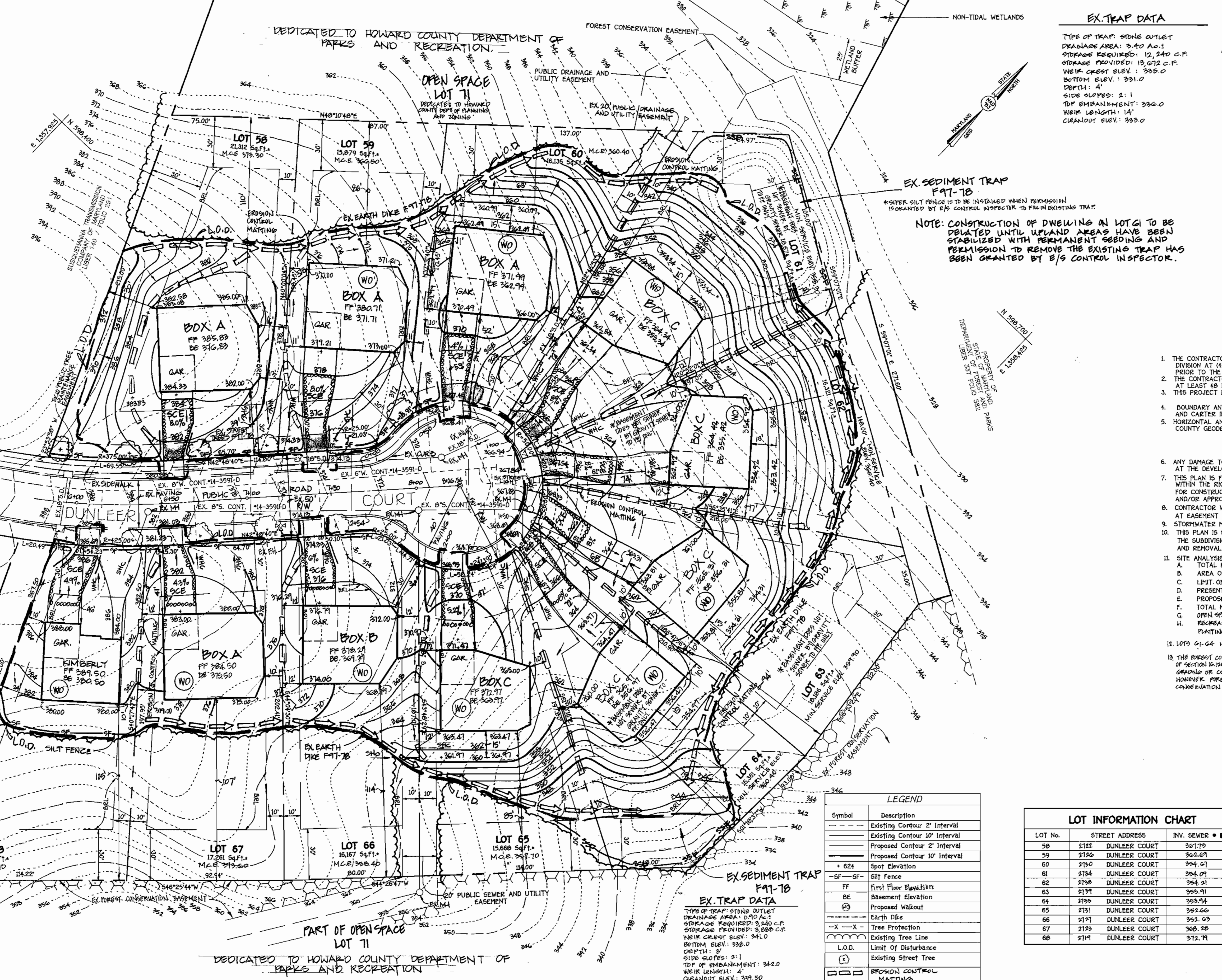


PERMANENT SEEDING NOTES

ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:
SEEDING PREPARATION:
 LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.
SOIL AMENDMENTS:
 APPLY TWO TONS PER ACRE SOLICITOUS LIMESTONE (85 LBS./1,000 SQ.FT.) AND 100 LBS. PER ACRE 0-20-20 FERTILIZER (85 LBS./1,000 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 (19 LBS./1,000 SQ.FT.) AND 500 LBS. PER ACRE 0-15-15/1,000 SQ.FT.) OF 10-20-20 FERTILIZER.
SEEDING:
 FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 100 LBS. PER ACRE 2:3 LBS./1,000 SQ.FT. OF KENTUCKY 3 TALL FESCUE. FOR THE PERIODS MAY 1 THROUGH JULY 31, SEED WITH 60 LBS./ACRE CLEAR LBS. SEED KENTUCKY 3 TALL FESCUE AND 2 LBS. PER ACRE 10-20-20 FERTILIZER. SEEDING SHOULD BE COMPLETED BY SEPTEMBER 15. SEEDING SHOULD BE COMPLETED BY SEPTEMBER 15. SEEDING SHOULD BE COMPLETED BY SEPTEMBER 15.
MULCHING:
 APPLY 1 TO 2 TONS PER ACRE (80 TO 90 LBS./1,000 SQ.FT.) OF UNROTATED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (5 GALLONS/SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES OF 5 FEET OR HIGHER, USE 340 GALLONS PER ACRE (3.4 GALLONS/SQ.FT.) FOR ANCHORING.
MAINTENANCE:
 INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDING.
 * FOR PUBLIC PONDS SUBSTITUTE CHEMICAL CROWWEED AT 15 LBS./ACRE AND 200 GALLONS PER ACRE OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES OF 5 FEET OR HIGHER, USE 340 GALLONS PER ACRE (3.4 GALLONS/SQ.FT.) FOR ANCHORING.
 * FOR PUBLIC PONDS SUBSTITUTE CHEMICAL CROWWEED AT 15 LBS./ACRE AND 200 GALLONS PER ACRE OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES OF 5 FEET OR HIGHER, USE 340 GALLONS PER ACRE (3.4 GALLONS/SQ.FT.) FOR ANCHORING.

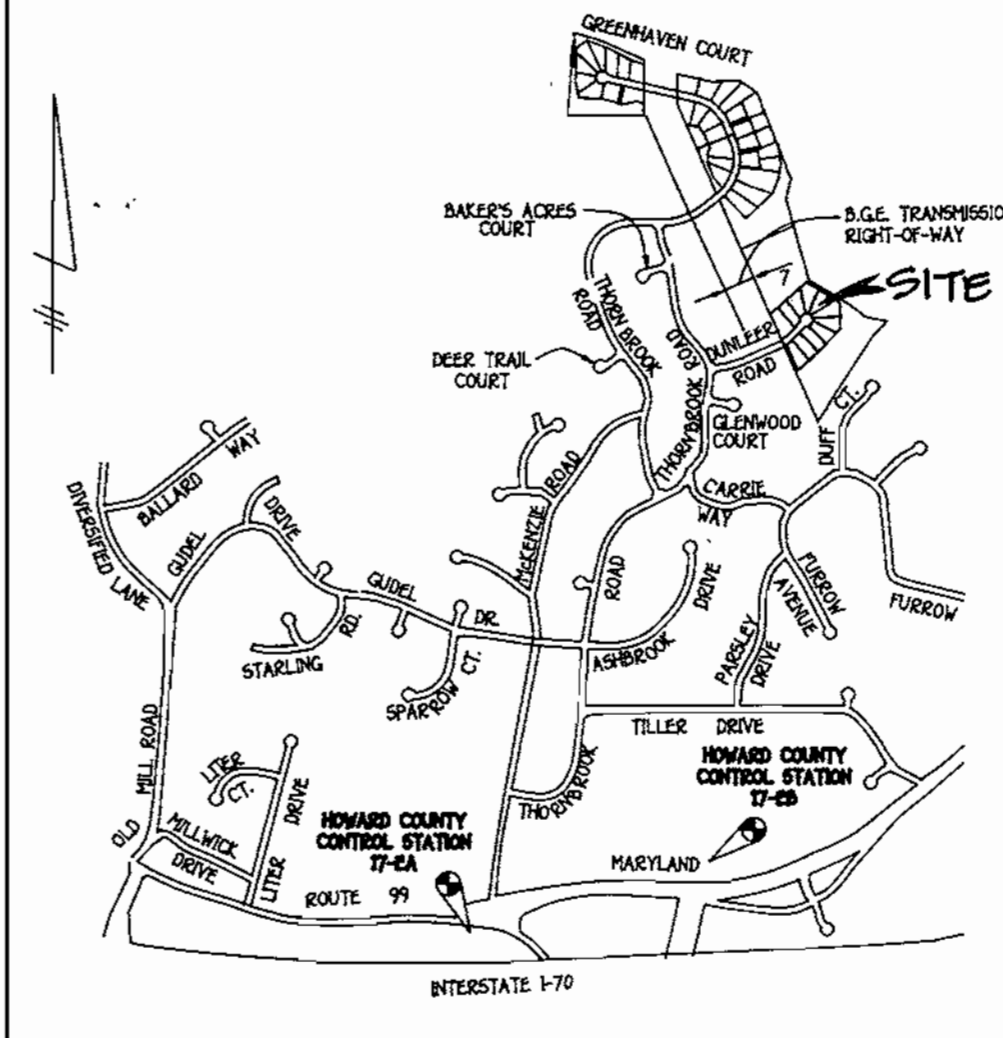
TEMPORARY SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE RESEEDING 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 IF NOT PREVIOUSLY LOOSENED.
SOIL AMENDMENTS:
 APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (6 LBS./1,000 SQ.FT.)
SEEDING:
 FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH NOVEMBER 15, SEED WITH 1 BUSHEL PER ACRE OF ANNUAL RYE (1.2 LBS./ACRE OF WHEAT) LONGLEAF 19 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 TO 2 TONS PER ACRE (70 TO 90 LBS./1,000 SQ.FT.) OF UNROTATED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHORING TOOL OR 200 GALLONS PER ACRE (2 GALLONS/SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES OF 5 FEET OR HIGHER, USE 340 GALLONS PER ACRE (3.4 GALLONS/SQ.FT.) FOR ANCHORING.
 REFER TO THE 1986 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL, SEEDING AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.



EX. TRAP DATA
 TYPE OF TRAP: STONE OUTLET
 DRAINAGE AREA: 3.40 AC.
 STORAGE REQUIRED: 12,240 C.F.
 STORAGE PROVIDED: 13,672 C.F.
 WEIR CREST ELEV.: 335.0
 BOTTOM ELEV.: 331.0
 DEPTH: 4'
 SIDE SLOPES: 2:1
 TOP OF EMBANKMENT: 336.0
 WEIR LENGTH: 14'
 CLEAROUT ELEV.: 333.0

EX. SEDIMENT TRAP F-97-10
 *SUPER SILT FENCE IS TO BE INSTALLED WHEN PERMISSION IS GRANTED BY E/S CONTROL INSPECTOR TO FILL IN EX. TRAP.
NOTE: CONSTRUCTION OF DWELLING ON LOT 61 TO BE DELAYED UNTIL UPLAND AREAS HAVE BEEN STABILIZED WITH PERMANENT SEEDING AND PERMISSION TO REMOVE THE EXISTING TRAP HAS BEEN GRANTED BY E/S CONTROL INSPECTOR.



GENERAL NOTES

- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION INSPECTION DIVISION AT (410) 313-1080 AT LEAST (5) FIVE WORKING DAYS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
- THIS PROJECT IS SUBJECT TO HOWARD COUNTY FILES: F-97-10, P-16-19.
- BOUNDARY AND TOPOGRAPHIC SURVEY PERFORMED BY FISHER COLLINS AND CARTER, INC. ON OR ABOUT OCTOBER, 1999.
- HORIZONTAL AND VERTICAL CONTROL DATUM IS BASED ON HOWARD COUNTY GEODETIC CONTROL STATIONS:
 HOWARD COUNTY MONUMENT 17 EA N 180994.8413 (METERS) ELEV. = 43227.8949 (METERS)
 HOWARD COUNTY MONUMENT 17 EB N 181660.5677 (METERS) ELEV. = 43372.7224 (METERS)
- ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
- THIS PLAN IS FOR HOUSE SITING AND LOT GRADING ONLY. IMPROVEMENTS SHOWN WITHIN THE RIGHT-OF-WAY OF THIS S.D.P. ARE NOT USED FOR CONSTRUCTION. FOR CONSTRUCTION SEE APPROVED ROAD CONSTRUCTION PLANS F-97-70, AND/OR APPROVED WATER AND SEWER PLANS CONTRACT NO. 14-3591-D & 24-3599-D.
- CONTRACTOR WILL CHECK SEWER HOUSE CONNECTION ELEVATION AT EASEMENT LINE PRIOR TO CONSTRUCTION.
- STORMWATER MANAGEMENT OBLIGATIONS ARE FULFILLED UNDER F-97-70.
- THIS PLAN IS SUBJECT TO WAIVER PETITION NO. WP 95-94 FROM SEC. 16.116A THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS WHICH RESTRICTS GRADING AND REMOVAL OF VEGETATIVE COVER FROM WETLANDS AND STREAM BUFFER.
- SITE ANALYSIS DATA:
 A. TOTAL PROJECT AREA: 4.39 AC.
 B. AREA OF PLAN SUBMISSION: 4.39 AC.
 C. LIMIT OF DISTURBED AREA: 2.84 AC.
 D. PRESENT ZONING: R-20
 E. PROPOSED USE FOR SITE AND STRUCTURES: SINGLE FAMILY DETACHED
 F. TOTAL NUMBER OF UNITS PROPOSED: 11
 G. OPEN SPACE REQUIREMENTS ARE PROVIDED; SEE F-97-70.
 H. RECREATIONAL OPEN SPACE REQUIREMENTS HAVE BEEN MET BY PLANTING OF OPEN SPACE LOT 26 UNDER F-97-103 AND RECORDED AS PLAT NO. 125971.
- LOTS 61-64 HAVE FIRST FLOOR SEWER SERVICE ONLY.
- THE FOREST CONSERVATION EASEMENT HAS BEEN ESTABLISHED TO FULFILL THE REQUIREMENTS OF SECTION 16.200 IF THE HOWARD COUNTY CODE FOREST CONSERVATION ACT. NO GRADING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE FOREST CONSERVATION EASEMENT, HOWEVER, FOREST MANAGEMENT PRACTICES AS DEFINED IN THE DEED OF FOREST CONSERVATION EASEMENT ARE ALLOWED. (PLAT NO. 12711 F-97-10)

SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT (1 WEBB)
- INSTALL SEDIMENT AND EROSION CONTROL DEVICES PER PLAN (4 DAYS)
- CLEAR AND GRADU SITE TO LIMITS OF DISTURBANCE (1 DAY PER DWELLING)
- BECAUSE PRE-PRODUCTION AND ROUGH GRADE LOT (1 DAY PER DWELLING)
- FINISH GRADE LOT AND INSTALL DRIVEWAYS AND SIDEWALKS (2 DAYS PER DWELLING)
- INSTALL PERMANENT SEEDING AND LANDSCAPING (3 DAYS PER DWELLING)
- REMOVE SEDIMENT CONTROL DEVICES AS PERMISSION IS GRANTED BY SEDIMENT CONTROL INSPECTOR AND UPLAND AREAS HAVE BEEN STABILIZED

LOT INFORMATION CHART

LOT No.	STREET ADDRESS	INV. SEWER * E.
58	2122 DUNLEER COURT	367.79
59	2126 DUNLEER COURT	362.69
60	2130 DUNLEER COURT	364.27
61	2134 DUNLEER COURT	364.21
62	2138 DUNLEER COURT	364.21
63	2139 DUNLEER COURT	363.91
64	2139 DUNLEER COURT	363.94
65	2131 DUNLEER COURT	363.66
66	2127 DUNLEER COURT	363.63
67	2123 DUNLEER COURT	366.28
68	2119 DUNLEER COURT	372.71

LEGEND

Symbol	Description
---	Existing Contour 2' Interval
---	Existing Contour 10' Interval
---	Proposed Contour 2' Interval
---	Proposed Contour 10' Interval
• 624	Spot Elevation
-SF-SF-	Silt Fence
FF	First Floor Elevation
BE	Basement Elevation
⊙	Proposed Walkout
---	Earth Dike
-X-X-	Tree Protection
---	Existing Tree Line
L.O.D.	Limit of Disturbance
(A)	Existing Street Tree
⊠	EROSION CONTROL MATTING

SHEET INDEX

1 OF 2	SITE DEVELOPMENT PLAN
2 OF 2	DETAIL SHEET

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21114
 (410) 411-3995



ENGINEER'S CERTIFICATE
 I 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 of Engineer (Print name below signature) *Earl D. Collins* Date *7-15-99*
DEVELOPER'S CERTIFICATE
 I/We certify that all development and construction will be done according to this plan, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment 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.
 Signature of Developer (Print name below signature) *Mark H. Collins* Date *7-15-99*

APPROVED FOR HOWARD COUNTY AND MEETS TECHNICAL REQUIREMENTS.
Chief Sumner Date *9/3/99*
 U.S.D.A. - Natural Resources Conservation Service
 This development plan is approved for forest erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.
Mark H. Collins Date *9/3/99*
 Howard SCD
OWNER
 FIFTY WEST BULLHEADS
 1007 LESLIE AVENUE B
 CATONSVILLE, MARYLAND 21228

APPROVED: DEPARTMENT OF PLANNING AND ZONING
Chief Sumner Date *9/14/99*
 Chief, Division of Land Development
Chief Sumner Date *9/15/99*
 Chief, Development Engineering Division MK
Chief Sumner Date *9/20/99*
 Director - Department of Planning and Zoning GB
PROJECT MT. HEBRON **SECTION/AREA** 23 **LOT NO.** 58-68
PLAT 12983 **BLOCK NO.** 3 **ZONE** R-20 **TAX/ZONE** 17 **ELEC. DIST.** 2ND **CENSUS TR.** 6021
WATER CODE H 03 **SEWER CODE** 5158-000

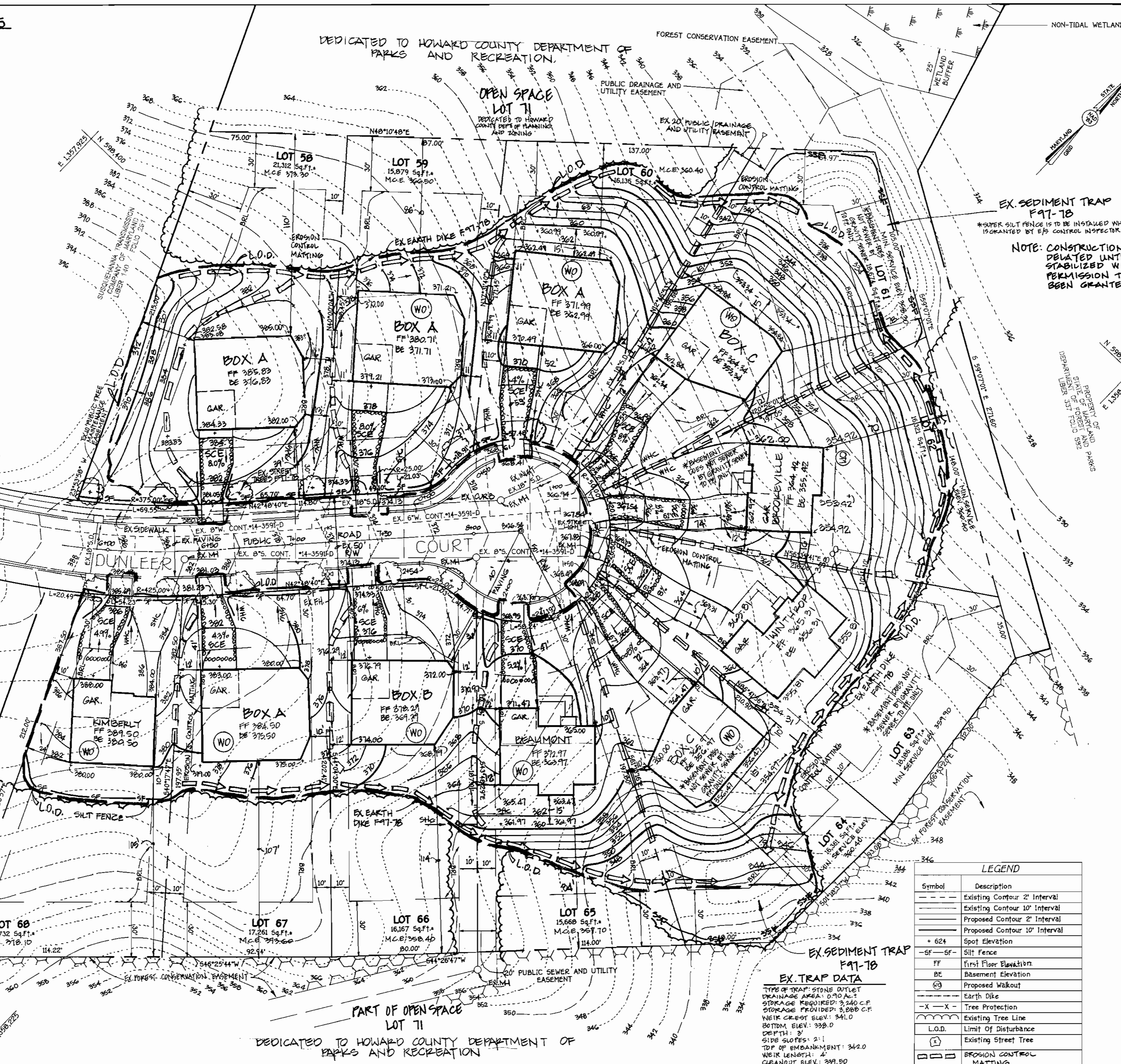
SITE DEVELOPMENT PLAN
MT. HEBRON
SECTION 23-PHASES 2 AND 3
LOTS 58-68
 TAX MAP No: 17 PART OF PARCEL:37 GRID: 3
 SECOND ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
 SCALE: 1"=30' DATE: JUNE, 1999
 SHEET 1 OF 2

PERMANENT SEEDING NOTES

ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:
SEEDING PREPARATION:
 LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.
SOIL AMENDMENTS:
 APPLY TWO TONS PER ACRE SOLICITIC LIMESTONE (52% LIME) (1000 SQT) AND 400 LBS. PER ACRE 20-20-20 FERTILIZER (14 LBS./1000 SQT) 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 (14 LBS./1000 SQT) AND 200 LBS. PER ACRE U.S. 15N/100 SQT) OF 10-20-20 FERTILIZER.
SEEDING:
 FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 100 LBS. PER ACRE (2.3 LBS./1000 SQT) OF KENTUCKY 31 TALL FESCUE FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 60 LBS./ACRE (1.4 LBS./1000 SQT) KENTUCKY 31 TALL FESCUE AND 2 LBS. PER ACRE (0.05 LBS./1000 SQT) OF WHEATGRASS DURING THE PERIOD OF OCTOBER 15 THROUGH FEBRUARY 29. PROJECT SITE BY OPTION (1) - TWO TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) - USE SOIL OPTION (3) SEED WITH 100 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH TWO TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD BE HYDROSEEDING.
MULCHING:
 APPLY 1 TO 2 TONS PER ACRE (10 TO 90 LBS./1000 SQT) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING AND/OR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (5 GALLONS/1000 SQT) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 8 FEET OR MORE USE 340 GALLONS PER ACRE (3.4 GALLONS/1000 SQT) FOR ANCHORING.
MAINTENANCE:
 INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDING.
 * FOR PUBLIC PONDS SUBSTITUTE CHROMIUM CROWNWEED AT 15 LBS./ACRE AND KENTUCKY 31 TALL FESCUE AT 40 LBS./ACRE AS THE SEEDING REQUIREMENT. OPTIMUM SEEDING DATE FOR THIS MIXTURE IS MARCH 1 TO APRIL 30.

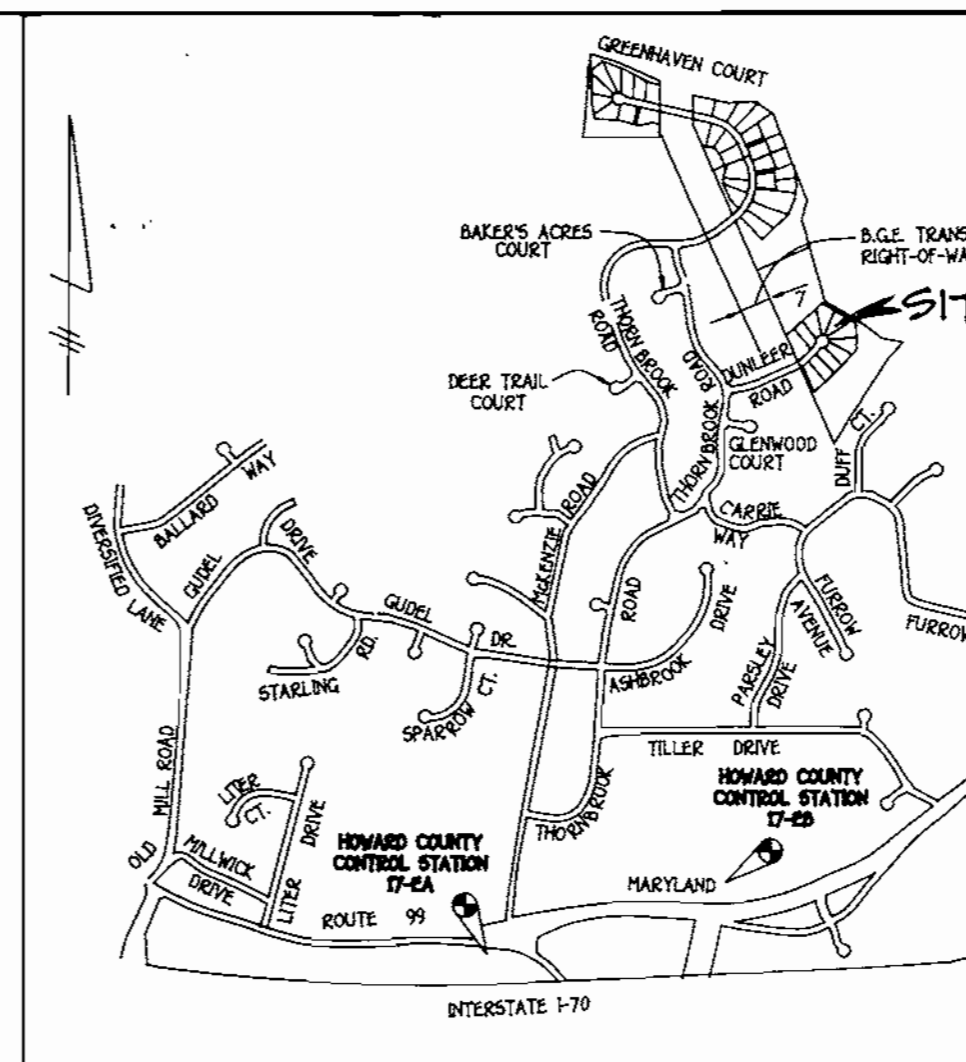
TEMPORARY SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE RESEEDING 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, IF NOT PREVIOUSLY LOGGED.
SOIL AMENDMENTS:
 APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (4 LBS./1000 SQT).
SEEDING:
 FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH NOVEMBER 15, SEED WITH 1 BUSHEL PER ACRE OF ANNUAL RYE (132 LBS./ACRE) OF WHEATGRASS (107 LBS./1000 SQT) FOR THE PERIOD NOVEMBER 15 THRU FEBRUARY 29. PROJECT SITE BY OPTION (1) - TWO TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOIL.
MULCHING:
 APPLY 1 TO 2 TONS PER ACRE (10 TO 90 LBS./1000 SQT) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING AND/OR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (5 GALLONS/1000 SQT) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 8 FEET OR MORE USE 340 GALLONS PER ACRE (3.4 GALLONS/1000 SQT) FOR ANCHORING.
 REFER TO THE 1986 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.



EX-TRAP DATA

TYPE OF TRAP: STONE OUTLET
 DRAINAGE AREA: 3.40 AC.
 STORAGE REQUIRED: 12,240 C.F.
 STORAGE PROVIDED: 13,612 C.F.
 WEIR CREST ELEV.: 335.0
 BOTTOM ELEV.: 331.0
 DEPTH: 4'
 SIDE SLOPES: 2:1
 TOP EMBANKMENT: 336.0
 WEIR LENGTH: 14'
 CLEANOUT ELEV.: 333.0

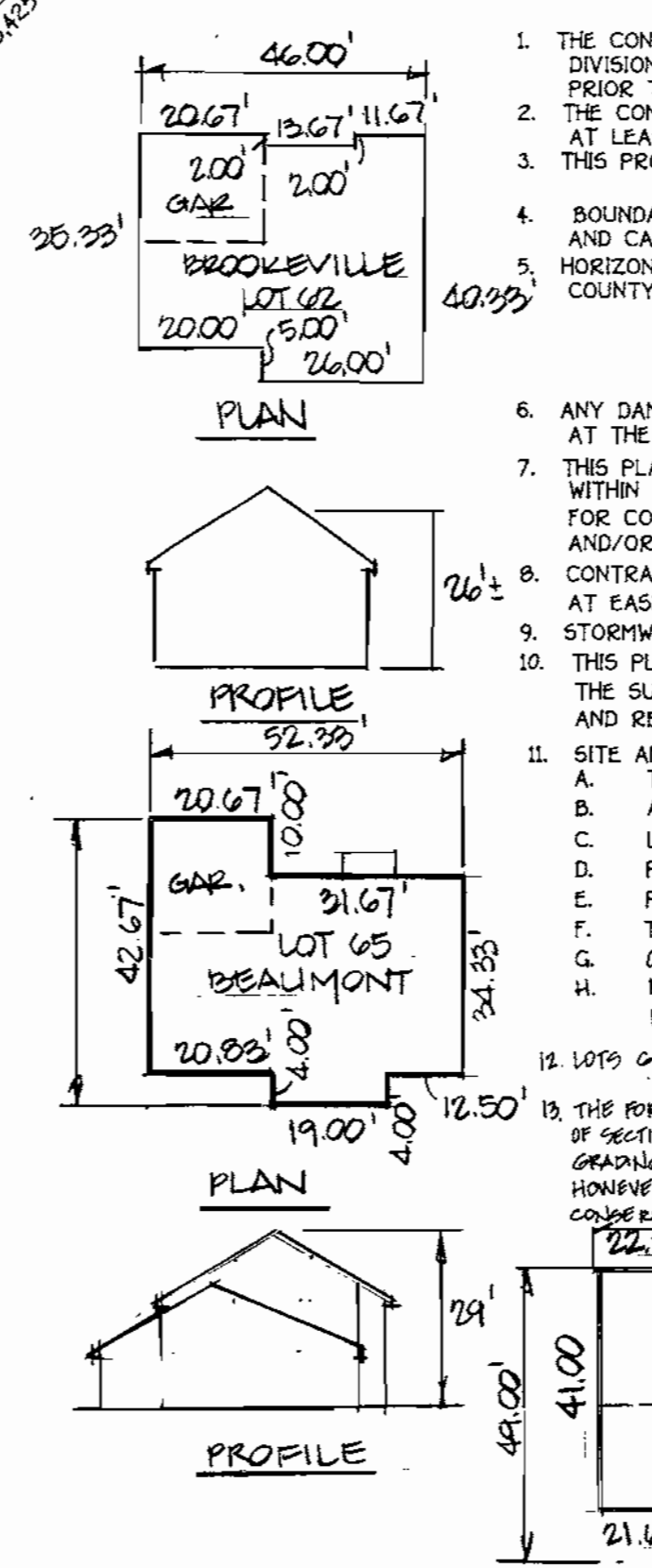


EX SEDIMENT TRAP F91-18
 *SUPER SILT FENCE IS TO BE INSTALLED WHEN PERMISSION IS GRANTED BY E/S CONTROL INSPECTOR TO FILL EXISTING TRAP.
NOTE: CONSTRUCTION OF DWELLING ON LOT 61 TO BE DELAYED UNTIL UPLAND AREAS HAVE BEEN STABILIZED WITH PERMANENT SEEDING AND PERMISSION TO REMOVE THE EXISTING TRAP HAS BEEN GRANTED BY E/S CONTROL INSPECTOR.

VICINITY MAP
 SCALE: 1"=1200'

GENERAL NOTES

- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION INSPECTION DIVISION AT (410) 313-1800 AT LEAST (5) FIVE WORKING DAYS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY "MSS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
- THIS PROJECT IS SUBJECT TO HOWARD COUNTY FILES: F-91-10, F-16-15.
- BOUNDARY AND TOPOGRAPHIC SURVEY PERFORMED BY FISHER COLLINS AND CARTER, INC. ON OR ABOUT OCTOBER, 1999.
- HORIZONTAL AND VERTICAL CONTROL DATUM IS BASED ON HOWARD COUNTY GEODETIC CONTROL STATIONS:
 HOWARD COUNTY MONUMENT 17 EA N 180994.8413 (METERS) ELEV. = E 413227.8949 (METERS)
 HOWARD COUNTY MONUMENT 17 EB N 181850.5677 (METERS) ELEV. = E 413772.7224 (METERS)
- ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
- THIS PLAN IS FOR HOUSE SITING AND LOT GRADING ONLY. IMPROVEMENTS SHOWN WITHIN THE RIGHT-OF-WAY OF THIS S.D.P. ARE NOT USED FOR CONSTRUCTION. FOR CONSTRUCTION USE APPROVED ROAD CONSTRUCTION PLANS F-97-78 AND/OR APPROVED WATER AND SEWER PLANS CONTRACT NO. 14-3591-D & 24-3599-D. CONTRACTOR WILL CHECK SEWER HOUSE CONNECTION ELEVATION AT EASEMENT LINE PRIOR TO CONSTRUCTION.
- STORMWATER MANAGEMENT OBLIGATIONS ARE FULFILLED UNDER F-97-78.
- THIS PLAN IS SUBJECT TO WAIVER PETITION NO. WP 95-94 FROM SEC. 16.116A THE SUBDIVISION CONTROL ACT AND LAND DEVELOPMENT REGULATIONS WHICH RESTRICTS GRADING AND REMOVAL OF VEGETATIVE COVER FROM WETLANDS AND STREAM BUFFER.
- SITE ANALYSIS DATA:
 A. TOTAL PROJECT AREA: 4.39 AC.
 B. AREA OF PLAN SUBMISSION: 4.39 AC.
 C. LIMIT OF DISTURBED AREA: 2.84 AC.
 D. PRESENT ZONING: R-20
 E. PROPOSED USE FOR SITE AND STRUCTURES: SINGLE FAMILY DETACHED
 F. TOTAL NUMBER OF UNITS PROPOSED: 11
 G. OPEN SPACE REQUIREMENTS ARE PROVIDED; SEE F91-10.
 H. RECREATIONAL OPEN SPACE REQUIREMENTS HAVE BEEN MET BY PLANTING OF OPEN SPACE LOT 26 UNDER F91-103 AND RECORDED AS PLAT NO. 12591.
 I. 1079 G1-G4 HAVE FIRST FLOOR SEWER SERVICE ONLY.
 J. THE FOREST CONSERVATION EASEMENT HAD BEEN ESTABLISHED TO FULFILL THE REQUIREMENTS OF SECTION 16.102 OF THE MARYLAND COUNTY CODE FOREST CONSERVATION ACT. NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE FOREST CONSERVATION EASEMENT; HOWEVER, FOREST MANAGEMENT PRACTICES AS DEFINED IN THE DEED OF FOREST CONSERVATION EASEMENT ARE ALLOWED (PLAT NO. 12471 F91-10).



LEGEND

Symbol	Description
---	Existing Contour 2' Interval
---	Existing Contour 10' Interval
---	Proposed Contour 2' Interval
---	Proposed Contour 10' Interval
+ 624	Spot Elevation
-SF -SF-	Silt Fence
FF	First Floor Elevation
BE	Basement Elevation
---	Proposed Walkout
---	Earth Dike
-X -X-	Tree Protection
---	Existing Tree Line
L.O.D.	Limit of Disturbance
(T)	Existing Street Tree
---	EROSION CONTROL MATTING

LOT INFORMATION CHART

LOT No.	STREET ADDRESS	INV. SEWER • E.
58	2122 DUNLEER COURT	367.75
59	2126 DUNLEER COURT	362.67
60	2130 DUNLEER COURT	364.67
61	2134 DUNLEER COURT	364.91
62	2138 DUNLEER COURT	364.21
63	2139 DUNLEER COURT	363.91
64	2139 DUNLEER COURT	363.94
65	2131 DUNLEER COURT	362.60
66	2121 DUNLEER COURT	362.03
67	2123 DUNLEER COURT	360.28
68	2119 DUNLEER COURT	312.74

SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT (1 WEEK)
- INSTALL SEDIMENT AND EROSION CONTROL DEVICES PER PLAN (4 DAYS)
- CLEAR AND GRUB SITE TO LIMITS OF DISTURBANCE (1 DAY PER DWELLING)
- EXCAVATE THE FOUNDATION AND ROUGH GRADE LOT (1 DAY PER DWELLING)
- FINE GRADE LOT AND INSTALL DRIVEWAYS AND SIDEWALKS (2 DAYS PER DWELLING)
- INSTALL PERMANENT SEEDING AND LANDSCAPING (2 DAYS PER DWELLING)
- REMOVE SEDIMENT CONTROL DEVICES AS PERMISSIBLE IS GRANTED BY SEDIMENT CONTROL INSPECTOR AND UPLAND AREAS HAVE BEEN STABILIZED

SHEET INDEX

1 OF 2	SITE DEVELOPMENT PLAN
2 OF 2	DETAIL SHEET

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL SQUARE OFFICE PARK - 10772 BALTIMORE NATIONAL PIKE
 ELKLOFT CITY, MARYLAND 21842
 410-481-2955

REVISION

12-13-99	LOT 65 REV. MODEL & GRD.
12-18-99	LOT 63 REV. MODEL & GRD.
12-13-99	LOT 62 REV. MODEL & GRD.

ENGINEER'S CERTIFICATE
 I 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.
 Earl D. Collins
 Signature of Engineer (Print name below signature) Date 7-15-99

DEVELOPER'S CERTIFICATE
 I/We certify that all development and construction will be done according to this plan, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment 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.
 Steve H. Costello
 Signature of Developer (Print name below signature) Date 7-15-99

Reviewed for HOWARD COUNTY and meets Technical Requirements.
 U.S.D.A. - Natural Resources Conservation Service
 This development plan is approved for erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.
 Date 9/13/99
 Date 9/13/99

OWNER
 PEITY WEST BUILDERS
 1007 LESLIE AVENUE
 CATONSVILLE, MARYLAND 21228

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Cindy Hamilton
 Chief, Division of Land Development
 Date 9/14/99
 MK
 Chief, Development Engineering Division
 Date 9/15/99
 Director - Department of Planning and Zoning
 Date 9/20/99

PROJECT
 MT. HEBRON SECTION/AREA 23 LOT NO. 58-68
 PLAT 12983 BLOCK NO. 3 ZONE R-20 TAX/ZONE 17 ELEC. DIST. 2ND CENSUS TR. 6021
 WATER CODE H 03 SEWER CODE 5758-000

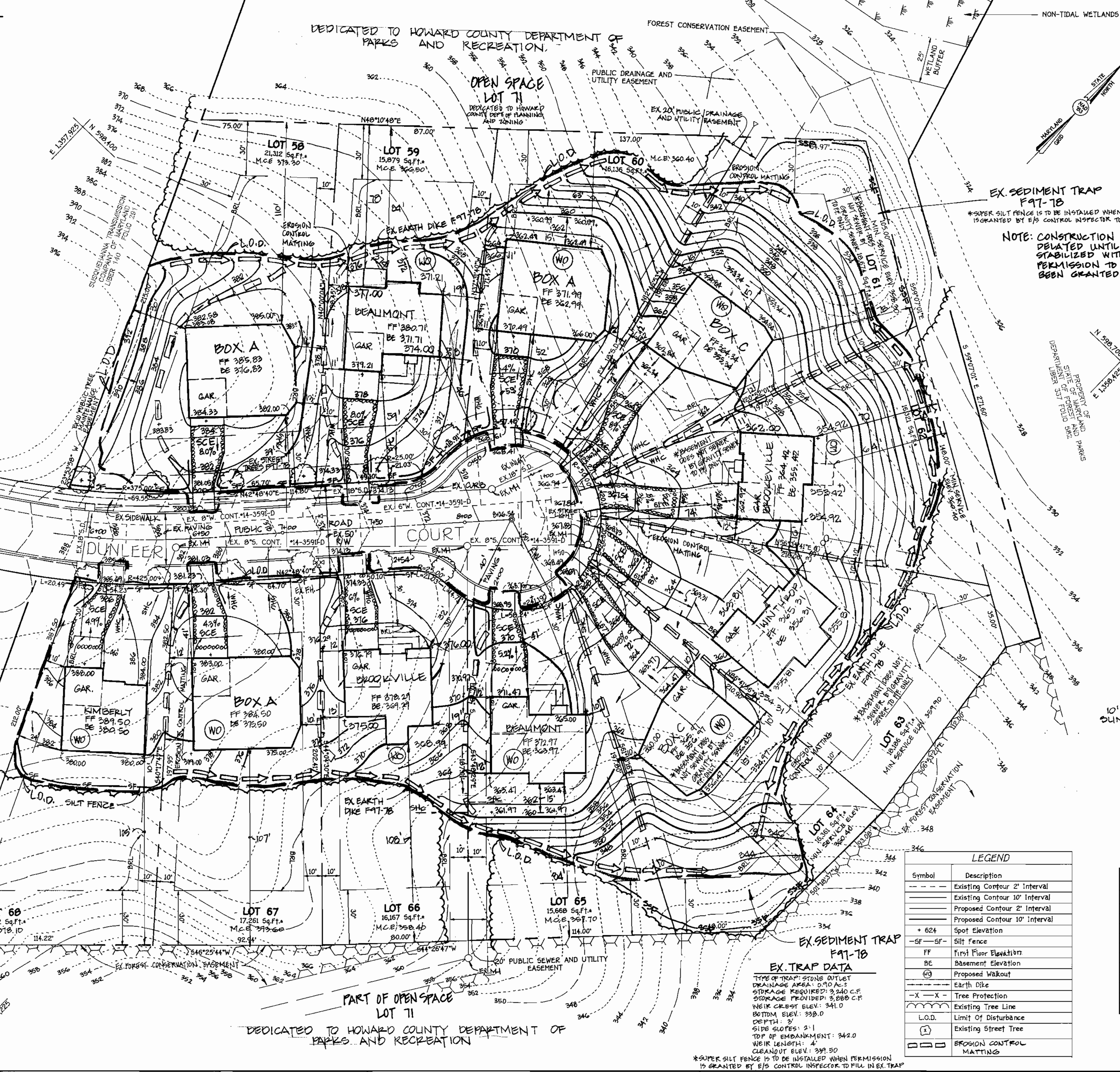
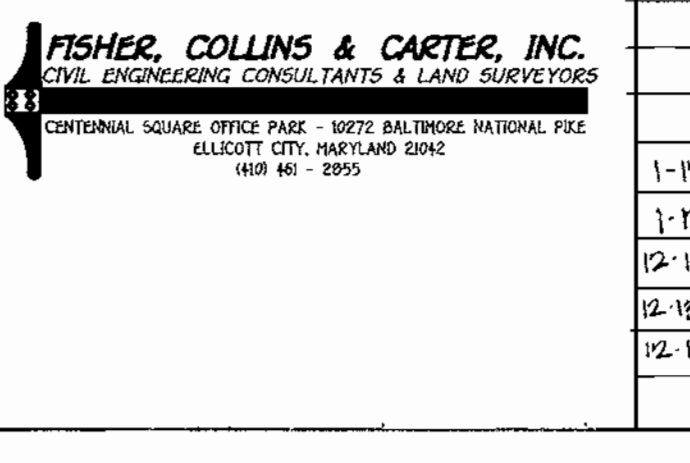
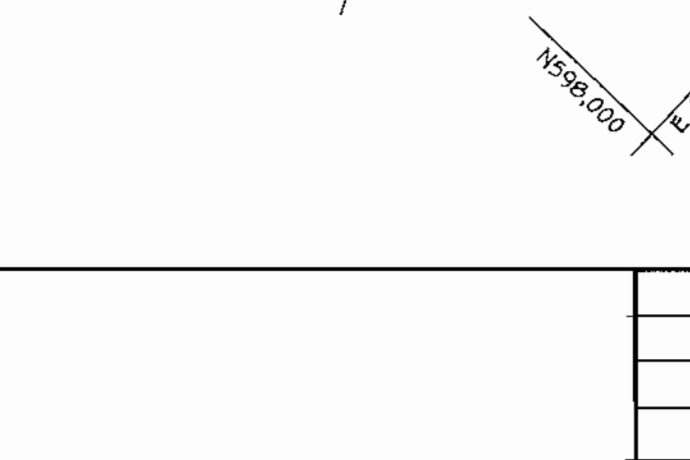
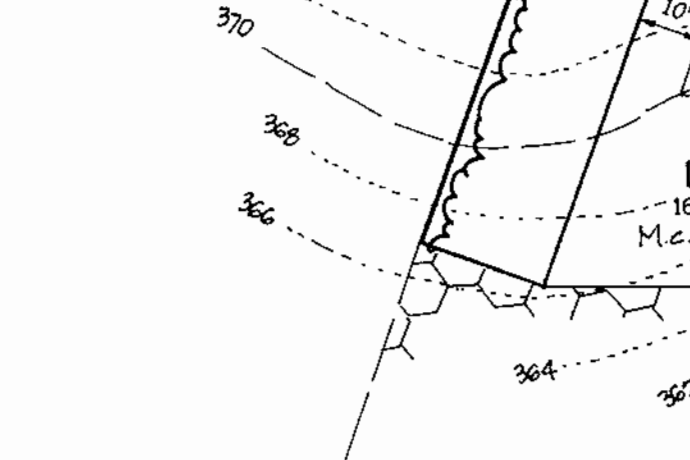
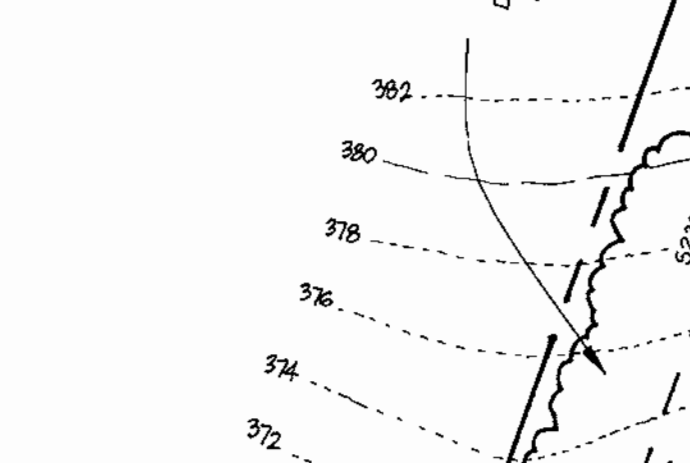
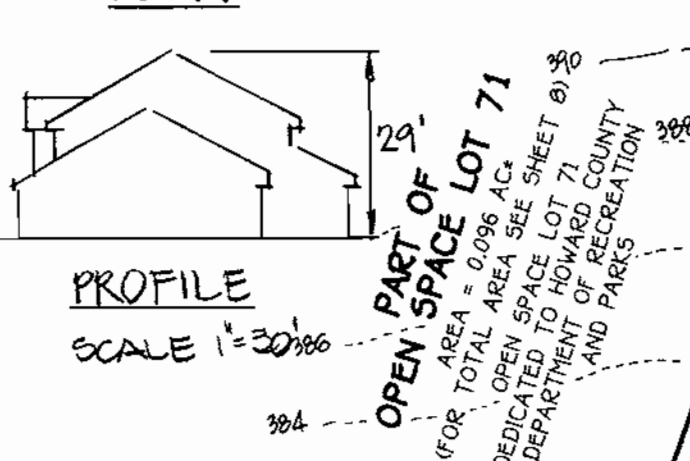
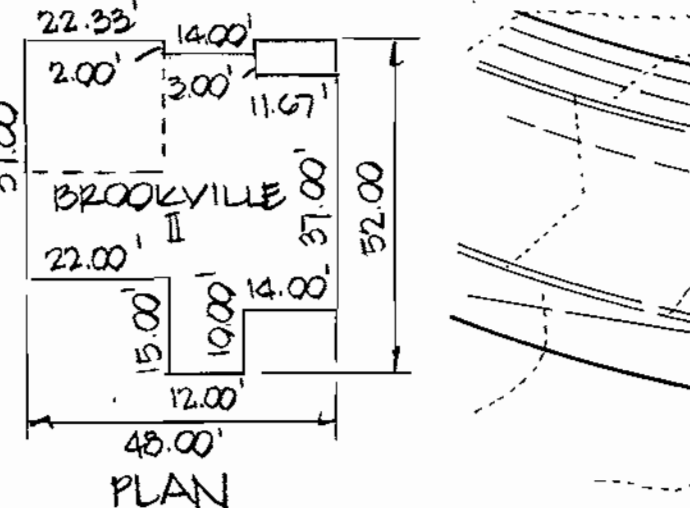
SITE DEVELOPMENT PLAN
MT. HEBRON
 SECTION 23-PHASES 2 AND 3
 LOTS 58-68
 TAX MAP No: 17 PART OF PARCEL:37 GRID: 3
 SECOND ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
 SCALE: 1"=30' DATE: JUNE, 1999
 SHEET 1 OF 2
 SDP 00-15

PERMANENT SEEDING NOTES

ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:
SEEDING PREPARATION
 LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.
SOIL AMENDMENTS
 APPLY TWO TONS PER ACRE SOLONCHIC LIMESTONE (90 LBS./1,000 SQ.FT.) AND 500 LBS. PER ACRE 0-20-20 FERTILIZER (90 LBS./1,000 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 (90 LBS./1,000 SQ.FT.) AND 500 LBS. PER ACRE 0-20-20 FERTILIZER (90 LBS./1,000 SQ.FT.) OF 10-20-20 FERTILIZER.
SEEDING
 FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 100 LBS. PER ACRE 2:3 LBS./1,000 SQ.FT. OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 60 LBS./ACRE OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD AUGUST 15 THROUGH OCTOBER 15, SEED WITH 2 LBS. PER ACRE (20 LBS./1,000 SQ.FT.) OF WEEPING LOVEGRASS DURING THE PERIOD OF MOISTURE THROUGH FEBRUARY 28. PROJECT SITE BY OPTION (1) - TWO TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) - USE 500 GALLONS OF APPLIED APNAT ON FLAT AREAS ON SLOPES 8 FEET OR STEEPER USE 340 GALLONS PER ACRE (3.4 GALLONS/SQ.FT.) FOR ANCHORING.
MULCHING
 APPLY 1 TO 2 TONS PER ACRE (10 TO 20 LBS./1,000 SQ.FT.) OF UNROTATED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING AND/OR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (2.0 GALLONS/SQ.FT.) OF EXPANDED APNAT ON FLAT AREAS ON SLOPES 8 FEET OR STEEPER USE 340 GALLONS PER ACRE (3.4 GALLONS/SQ.FT.) FOR ANCHORING.
MAINTENANCE
 INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDING.
 *FOR PUBLIC PONDS SUBSTITUTE CHEMICAL CROWNWEED AT 15 LBS./ACRE AND EXISTING TALL FESCUE AT 40 LBS./ACRE AS THE SEEDING REQUIREMENT. OPTIMUM SEEDING DATE FOR THIS MIXTURE IS MARCH 1 TO APRIL 30.

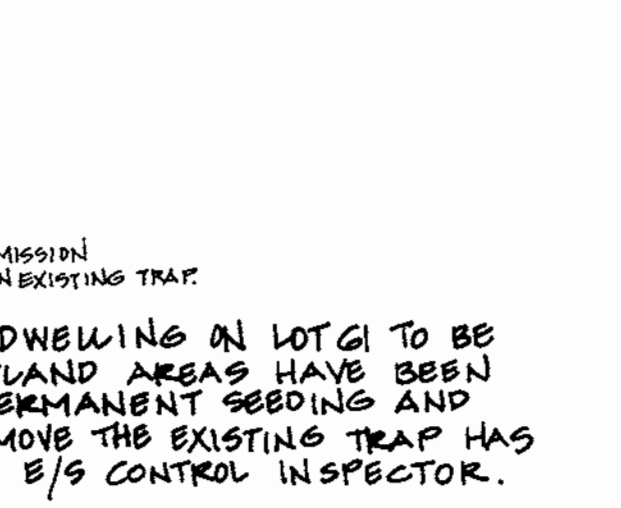
TEMPORARY SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE RESTORED 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. DO NOT PREVIOUSLY LOOSEMED.
SOIL AMENDMENTS
 APPLY 500 LBS. PER ACRE 10-10-10 FERTILIZER (4 LBS./1,000 SQ.FT.)
SEEDING
 FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH NOVEMBER 15, SEED WITH 1 BUSHEL PER ACRE OF ANNUAL RYE (12 LBS./ACRE) OF WEEPING LOVEGRASS (2 LBS./1,000 SQ.FT.) FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 28. PROJECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OR USE SOIL.
MULCHING
 APPLY 1 TO 2 TONS PER ACRE (10 TO 20 LBS./1,000 SQ.FT.) OF UNROTATED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING AND/OR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (2.0 GALLONS/SQ.FT.) OF EXPANDED APNAT ON FLAT AREAS ON SLOPES 8 FEET OR STEEPER USE 340 GALLONS PER ACRE (3.4 GALLONS/SQ.FT.) FOR ANCHORING.
 REFER TO THE 1988 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL. FOR RATE AND METHODS NOT COVERED.



EX-TRAP DATA

TYPE OF TRAP: STONE OUTLET
 DRAINAGE AREA: 3.40 AC.
 STORAGE REQUIRED: 12,240 C.F.
 STORAGE PROVIDED: 13,612 C.F.
 WEIR CREST ELEV.: 335.0
 BOTTOM ELEV.: 331.0
 DEPTH: 4'
 SIDE SLOPES: 2:1
 TOP OF EMBANKMENT: 336.0
 WEIR LENGTH: 14'
 CLEANOUT ELEV.: 333.0



GENERAL NOTES

- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION INSPECTION DIVISION AT (410) 313-1800 AT LEAST (5) FIVE WORKING DAYS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
- THIS PROJECT IS SUBJECT TO HOWARD COUNTY FILES: F 91-10, F 91-15.
- BOUNDARY AND TOPOGRAPHIC SURVEY PERFORMED BY: FISHER COLLINS AND CARTER INC. ON OR ABOUT OCTOBER, 1999.
- HORIZONTAL AND VERTICAL CONTROL DATUM IS BASED ON HOWARD COUNTY GEODETIC CONTROL STATIONS:
 HOWARD COUNTY MONUMENT 17 EA N 100994.8413 (METERS) ELEV. = 413227.8949 (METERS)
 HOWARD COUNTY MONUMENT 17 EB N 10160.5677 (METERS) ELEV. = 413772.7224 (METERS)
 HOWARD COUNTY MONUMENT 17 EC N 10160.5677 (METERS) ELEV. = 413772.7224 (METERS)
- ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
- THIS PLAN IS FOR HOUSE SITING AND LOT GRADING ONLY. IMPROVEMENTS SHOWN WITHIN THE RIGHT-OF-WAY OF THIS S.D.P. ARE NOT USED FOR CONSTRUCTION. FOR CONSTRUCTION SEE APPROVED ROAD CONSTRUCTION PLANS F-07-78, AND/OR APPROVED WATER AND SEWER PLANS CONTRACT NO. 14-3591-D & 24-3599-D.
- CONTRACTOR WILL CHECK SEWER HOUSE CONNECTION ELEVATION AT EASEMENT LINE PRIOR TO CONSTRUCTION.
- STORMWATER MANAGEMENT OBLIGATIONS ARE FULFILLED UNDER F-97-78.
- THIS PLAN IS SUBJECT TO WAIVER PETITION NO. WP 95-94 FROM SEC. 16.136A THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS, WHICH RESTRICTS GRADING AND REMOVAL OF VEGETATIVE COVER FROM WETLANDS AND STREAM BUFFER.
- SITE ANALYSIS DATA:
 A. TOTAL PROJECT AREA: 4.39 AC.
 B. AREA OF PLAN SUBMISSION: 4.39 AC.
 C. LIMIT OF DISTURBED AREA: 2.84 AC.
 D. PRESENT ZONING: R-20
 E. PROPOSED USE FOR SITE AND STRUCTURES: SINGLE FAMILY DETACHED
 F. TOTAL NUMBER OF UNITS PROPOSED: 11
 G. OPEN SPACE REQUIREMENTS ARE PROVIDED; SEE F-97-78.
 H. RECREATIONAL OPEN SPACE REQUIREMENTS HAVE BEEN MET BY PLANTING OF OPEN SPACE LOT 26 UNDER F-97-153 AND RECORDED AS PLAT NO. 12591.
 I. LOTS 61-64 HAVE FIRST FLOOR SEWER SERVICE ONLY.
- THE FOREST CONSERVATION EASEMENT HAS BEEN ESTABLISHED TO FULFILL THE REQUIREMENTS OF SECTION 16.200 OF THE HOWARD COUNTY CODE PRIOR TO CONSTRUCTION ACT. NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE FOREST CONSERVATION EASEMENT, HOWEVER, FOREST MANAGEMENT PRACTICES AS DEFINED IN THE DEED OF FOREST CONSERVATION EASEMENT ARE ALLOWED (PLAT NO. 12171 F-97-10).

LEGEND

Symbol	Description
---	Existing Contour 2' Interval
---	Existing Contour 10' Interval
---	Proposed Contour 2' Interval
---	Proposed Contour 10' Interval
+ 62.4	Spot Elevation
SF - SF	Silt Fence
FF	First Floor Elevation
BE	Basement Elevation
---	Proposed Walkout
---	Earth Dike
-X-X-	Tree Protection
---	Existing Tree Line
L.O.D.	Limit of Disturbance
(T)	Existing Street Tree
---	Erosion Control Matting

LOT INFORMATION CHART

LOT No.	STREET ADDRESS	INV. SEWER • E
58	2122 DUNLEER COURT	307.73
59	2120 DUNLEER COURT	302.69
60	2120 DUNLEER COURT	304.01
61	2124 DUNLEER COURT	304.01
62	2126 DUNLEER COURT	304.21
63	2129 DUNLEER COURT	303.91
64	2133 DUNLEER COURT	303.74
65	2131 DUNLEER COURT	303.60
66	2121 DUNLEER COURT	302.09
67	2123 DUNLEER COURT	300.20
68	2119 DUNLEER COURT	312.71

SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT (1 WEEK)
- INSTALL SEDIMENT AND EROSION CONTROL DEVICES PER PLAN (4 DAYS)
- CLEAR AND GRUB SITE TO LIMITS OF DISTURBANCE (1 DAY PER ONELLING)
- BROUENATE THE FOUNDATION AND ROUGH GRADE LOT (1 DAY PER ONELLING)
- FINISH GRADE LOT AND INSTALL DRAINWAYS AND SIDEWALKS (3 DAYS PER DWELLING)
- INSTALL PERMANENT SEEDING AND LANDSCAPING (3 DAYS PER DWELLING)
- REMOVE SEDIMENT CONTROL DEVICES AS PERMISSION IS OBTAINED BY SEDIMENT CONTROL INSPECTOR AND UPLAND AREAS HAVE BEEN STABILIZED

SHEET INDEX

1 OF 2	SITE DEVELOPMENT PLAN
2 OF 2	DETAIL SHEET

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL SQUARE OFFICE PARK 10772 BALTIMORE NATIONAL PIKE
 ELLIOTT CITY, MARYLAND 20622
 410-801-2955

ENGINEER'S CERTIFICATE
 I 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 of Engineer (Print name below signature) **Earl D. Collins** Date **7-15-99**
DEVELOPER'S CERTIFICATE
 I/We certify that all development and construction will be done according to this plan, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment 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.
 Signature of Developer (Print name below signature) **Steve H. Costello** Date **7-15-99**

Approved by HOWARD SOIL CONSERVATION DISTRICT and meets Technical Requirements.
 Signature of District Engineer **Earl D. Collins** Date **9/13/99**
 U.S.D.A.-Natural Resources Conservation Service
 This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.
 Signature of District Engineer **Earl D. Collins** Date **9/13/99**

OWNER
 PERTY WEST BUILDERS
 1007 LESLIE AVENUE
 CATONSVILLE, MARYLAND 21228

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Chief, Division of Land Development **Cindy Stamba** Date **9/14/99**
 Chief, Department of Engineering **William Williams** Date **9/15/99**
 Director - Department of Planning and Zoning **Bob** Date **9/20/99**

PROJECT: MT. HEBRON SECTION/AREA: 23 LOT NO.: 58-68
 PLAT: 12903 BLOCK NO.: 3 ZONE: R-20 TAX/ZONE: 17 ELEC. DIST.: 2ND CENSUS TR.: 6021
 WATER CODE: H 05 SEWER CODE: 5758-000

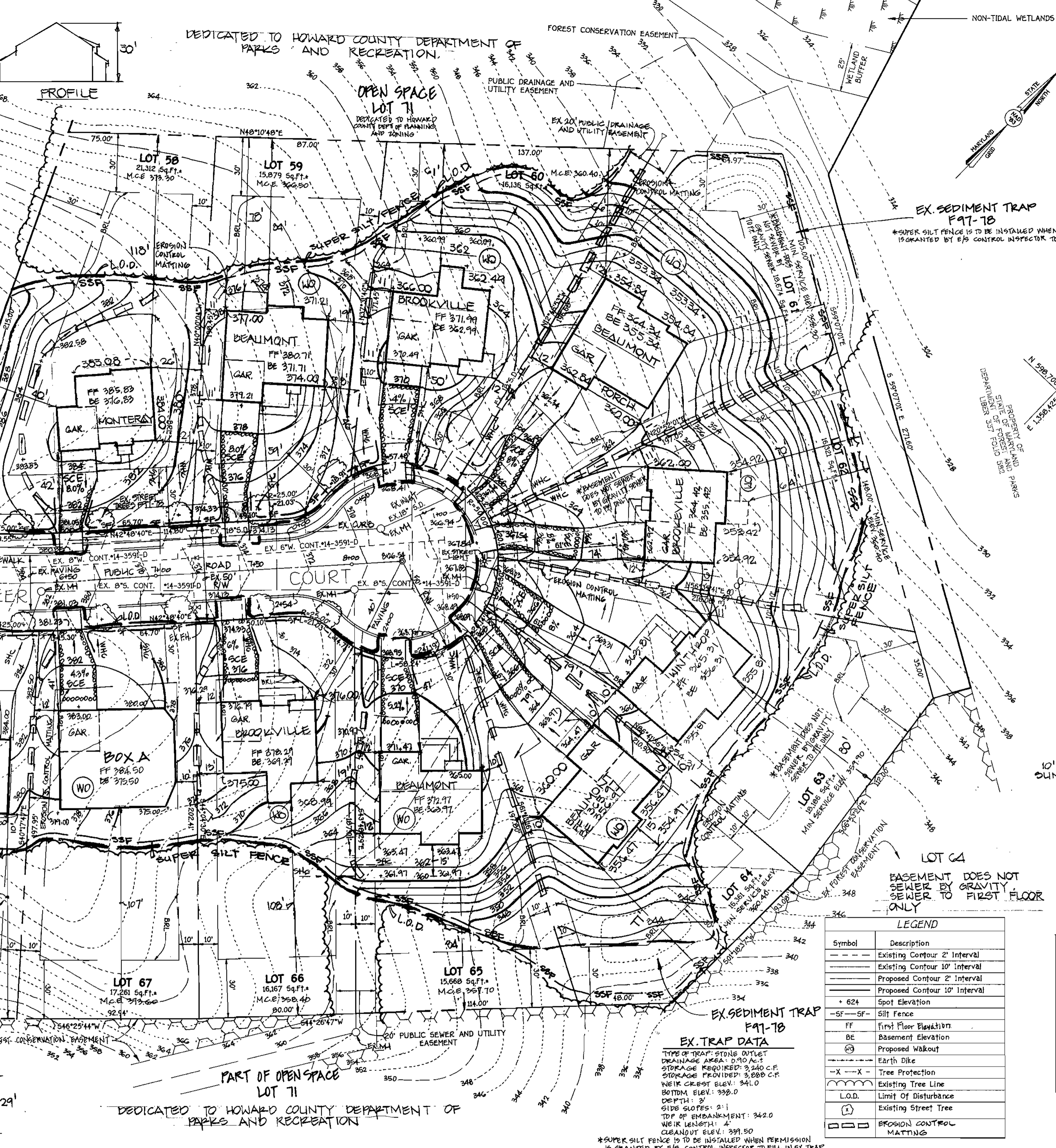
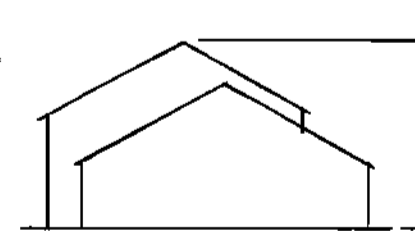
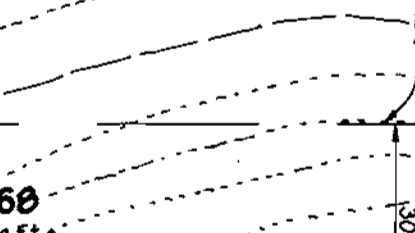
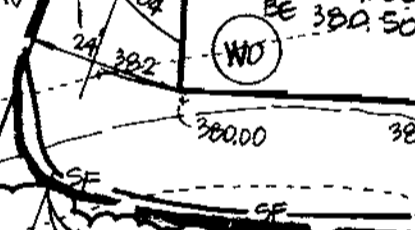
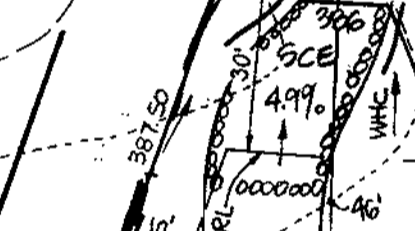
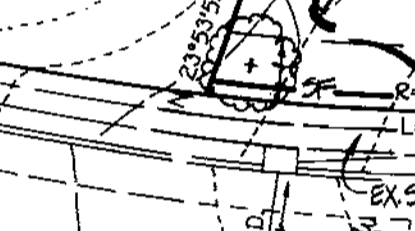
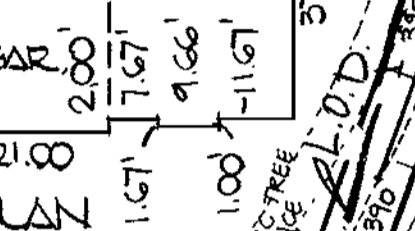
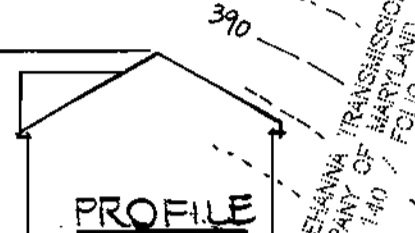
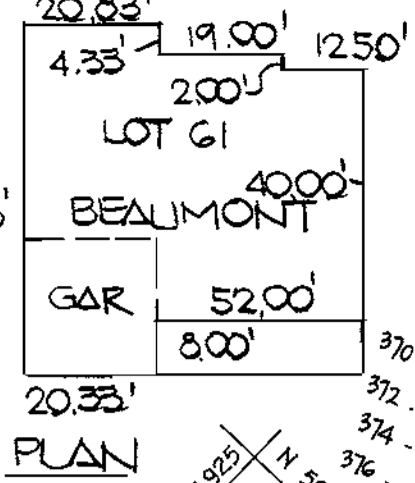
SITE DEVELOPMENT PLAN
MT. HEBRON
SECTION 23-PHASES 2 AND 3
LOTS 58-68
 TAX MAP No: 17 PART OF PARCEL:37 GRID: 3
 SECOND ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
 SCALE: 1"=30' DATE: JUNE, 1999
 SHEET 1 OF 2

PERMANENT SEEDING NOTES

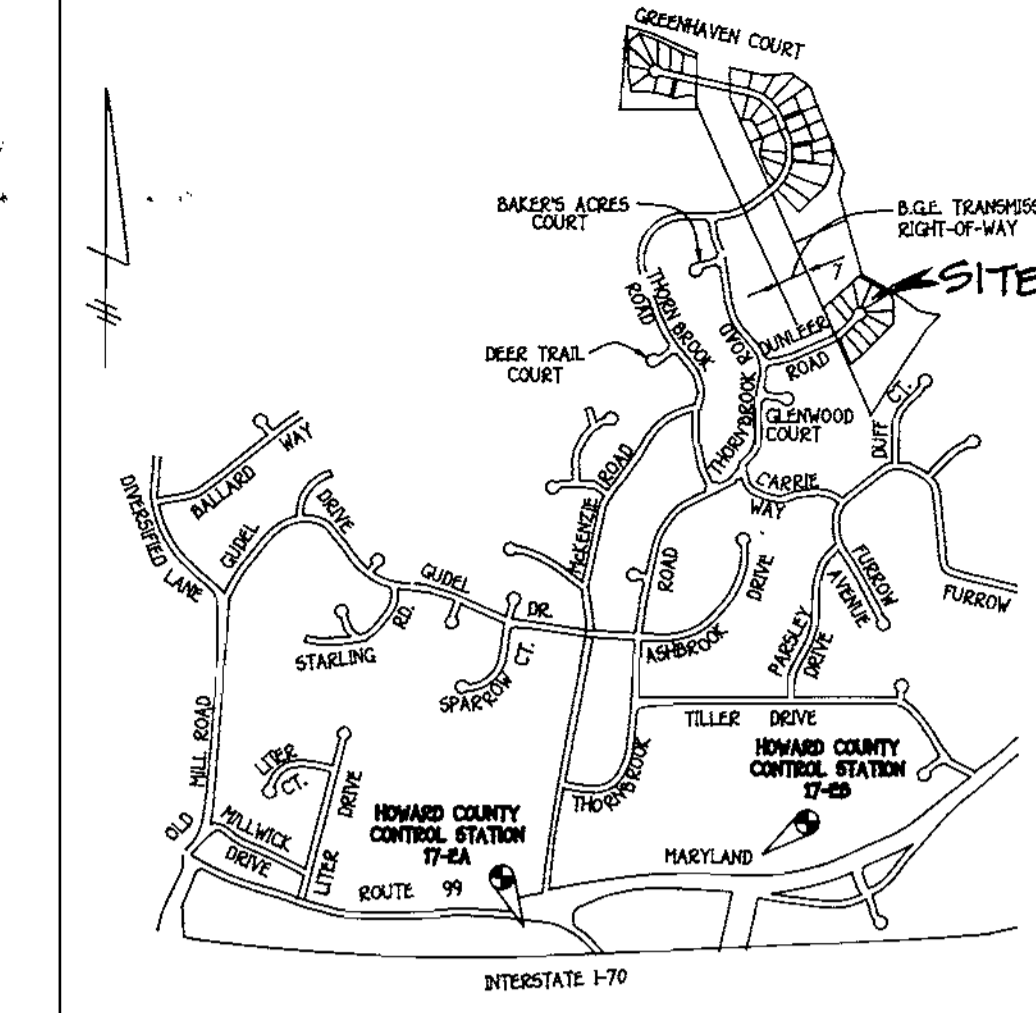
ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:
SEEDING PREPARATION:
 LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.
SOIL AMENDMENTS:
 APPLY TWO TONS PER ACRE SOLICITIC LIMESTONE (80 LBS./1,000 SQ.FT.) AND 600 LBS. PER ACRE 0-20-20 FERTILIZER (10 LBS./1,000 SQ.FT.) BEFORE SEEDING. THOROUGHLY DISC OR DISC UPON THREE INCHES OF SOIL. AT TOP OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 UREA-FOSPH FERTILIZER (10 LBS./1,000 SQ.FT.) AND 500 LBS. PER ACRE 5-15-15 (100 LBS./1,000 SQ.FT.) OF 0-20-20 FERTILIZER.
SEEDING:
 FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 100 LBS. PER ACRE 2-3 (LBS./1,000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 80 LBS./ACRE OF LAMAR FESCUE. KENTUCKY 31 TALL FESCUE SHALL BE SEEDING 2.1 LB. PER ACRE (100 LBS./1,000 SQ.FT.) OF SEEDING. LAYING DURING THE PERIOD OF OCTOBER 15 THROUGH FEBRUARY 28, PROJECT SITE BY OPTION (2) - TWO TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) - USE 500 LBS. OPTION (3) - SEED WITH 100 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH TWO TONS/ACRE WELL ANCHORED STRAW. ALL SLOPES SHOULD BE HYDROSEDED.
MULCHING:
 APPLY 1 TO 2 TONS PER ACRE (20 TO 40 LBS./1,000 SQ.FT.) OF UNROTTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AT THE APPLICATION USING 200 GALLONS PER ACRE (5 GALLONS/1,000 SQ.FT.) OF PHOSPHATED AMMONIUM FLAT ACRES ON SLOPES 8 FEET OR HIGHER. USE 140 GALLONS PER ACRE (14 GALLONS/1,000 SQ.FT.) FOR ANCHORING.
MAINTENANCE:
 INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.
 * FOR PUBLIC PONDS SUBSTITUTE CHESING CROWNTHATCH AT 15 LBS./ACRE AND KENTUCKY 31 TALL FESCUE AT 40 LBS./ACRE AS THE SEEDING REQUIREMENT. OPTIMUM SEEDING DATE FOR THIS MIXTURE IS MARCH 1 TO APRIL 30.

TEMPORARY SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE RESTORED 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. IF NOT PREVIOUSLY LOOSENED.
SOIL AMENDMENTS:
 APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (6 LBS./1,000 SQ.FT.)
SEEDING:
 FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 1 BUSHEL PER ACRE OF ANNUAL RYE (32 LBS./ACRE) OR TALL FESCUE (100 LBS./1,000 SQ.FT.) FOR THE PERIOD NOVEMBER 15 THROUGH FEBRUARY 28. PROJECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OR USE SOIL.
MULCHING:
 APPLY 1 TO 2 TONS PER ACRE (20 TO 40 LBS./1,000 SQ.FT.) OF UNROTTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHORING MULCH IMMEDIATELY AT THE APPLICATION USING 200 GALLONS PER ACRE (5 GALLONS/1,000 SQ.FT.) OF PHOSPHATED AMMONIUM FLAT ACRES ON SLOPES 8 FEET OR HIGHER. USE 140 GALLONS PER ACRE (14 GALLONS/1,000 SQ.FT.) FOR ANCHORING.
 REFER TO THE 1989 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. FOR RATE AND METHODS NOT COVERED.



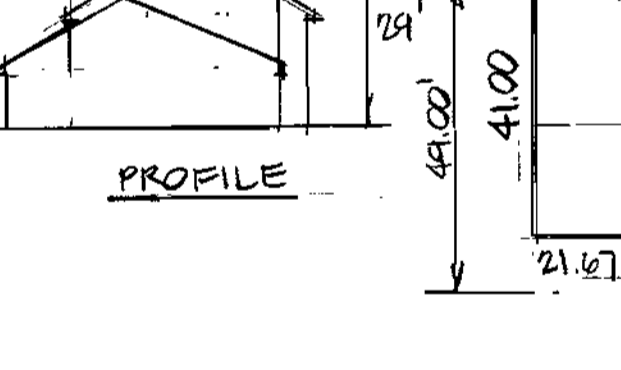
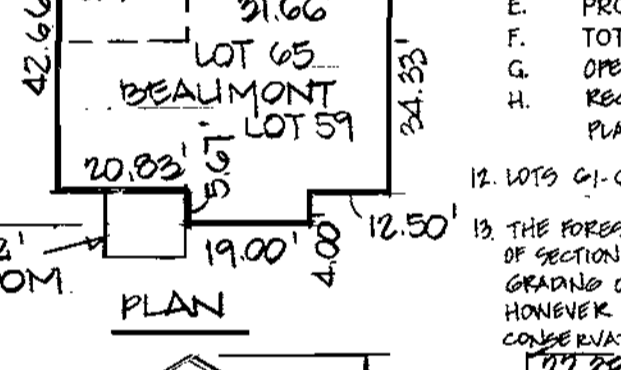
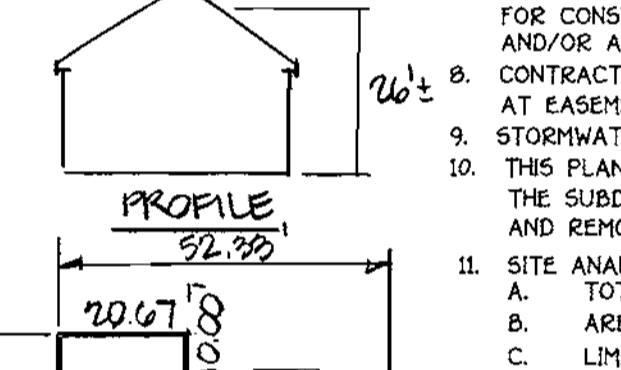
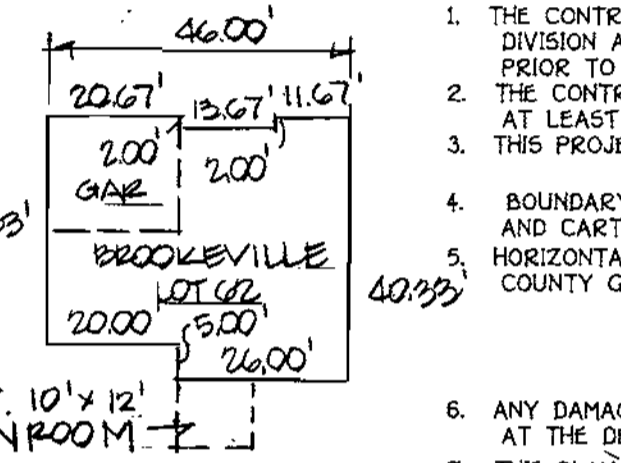
EX. TRAP DATA
 TYPE OF TRAP: STONE OUTLET
 DRAINAGE AREA: 3.240 AC.
 STORAGE REQUIRED: 12,240 C.F.
 STORAGE PROVIDED: 13,612 C.F.
 WEIR CREST ELEV.: 335.0
 BOTTOM ELEV.: 331.0
 DEPTH: 4'
 SLOPE: 2:1
 TOP OF EMBANKMENT: 336.0
 WEIR LENGTH: 14'
 CLEAROUT ELEV.: 333.0



VICINITY MAP
 SCALE: 1"=1200'

GENERAL NOTES

- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION INSPECTION DIVISION AT (410) 313-1800 AT LEAST (5) FIVE WORKING DAYS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
- THIS PROJECT IS SUBJECT TO HOWARD COUNTY FILES: F 97-10, F 96-15.
- BOUNDARY AND TOPOGRAPHIC SURVEY PERFORMED BY: FISHER COLLINS AND CARTER INC. ON OR ABOUT OCTOBER, 1999.
- HORIZONTAL AND VERTICAL CONTROL DATUM IS BASED ON HOWARD COUNTY GEODETIC CONTROL STATIONS:
 HOWARD COUNTY MONUMENT 17 EA N 180994.8413 (METERS) ELEV. = E 413227.8949 (METERS)
 HOWARD COUNTY MONUMENT 17 EB N 180150.5677 (METERS) ELEV. = E 413772.7224 (METERS)
- ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
- THIS PLAN IS FOR HOUSE SITING AND LOT GRADING ONLY. IMPROVEMENTS SHOWN WITHIN THE RIGHT-OF-WAY OF THIS S.D.P. ARE NOT USED FOR CONSTRUCTION. FOR CONSTRUCTION SEE APPROVED ROAD CONSTRUCTION PLANS F-97-78 AND/OR APPROVED WATER AND SEWER PLANS CONTRACT NO. 14-3591-D & 24-3599-D.
- CONTRACTOR WILL CHECK SEWER HOUSE CONNECTION ELEVATION AT EASEMENT LINE PRIOR TO CONSTRUCTION.
- STORMWATER MANAGEMENT OBLIGATIONS ARE FULFILLED UNDER F-97-78.
- THIS PLAN IS SUBJECT TO WAIVER PETITION NO. 14-3591-D FROM SEC. 15.116A THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS, WHICH RESTRICTS GRADING AND REMOVAL OF VEGETATIVE COVER FROM WETLANDS AND STREAM BUFFER.
- SITE ANALYSIS DATA:
 A. TOTAL PROJECT AREA: 4.39 AC.
 B. AREA OF PLAN SUBMISSION: 4.39 AC.
 C. LIMIT OF DISTURBED AREA: 2.84 AC.
 D. PRESENT ZONING: R-20
 E. PROPOSED USE FOR SITE AND STRUCTURES: SINGLE FAMILY DETACHED
 F. TOTAL NUMBER OF UNITS PROPOSED: 11
 G. OPEN SPACE REQUIREMENTS ARE PROVIDED/SEE F-97-78.
 H. RECREATIONAL OPEN SPACE REQUIREMENTS HAVE BEEN MET BY PLANTING OF OPEN SPACE LOT 26 UNDER F-97-153 AND RECORDED AS PLAN NO. 12597.
- LOTS 61-64 HAVE FIRST FLOOR SEWER SERVICE ONLY.
- THE FOREST CONSERVATION EASEMENT HAS BEEN ESTABLISHED TO FULFILL THE REQUIREMENTS OF SECTION 15.110 OF THE HOWARD COUNTY CODE. NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE FOREST CONSERVATION EASEMENT, HOWEVER, FOREST MANAGEMENT PRACTICES AS DEFINED IN THE DEED OF FOREST CONSERVATION EASEMENT ARE ALLOWED (PLAN NO. 12471 F-97-10).



SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT (1 WEEK)
- INSTALL SEDIMENT AND EROSION CONTROL DEVICES PER PLAN (4 DAYS)
- CLEAR AND GRUB SITE TO LIMITS OF DISTURBANCE (1 DAY PER DWELLING)
- EXCAVATE THE FOUNDATION AND ROUGH GRADE LOT (1 DAY PER DWELLING)
- FINE GRADE LOT AND INSTALL DRAINWAYS AND SIDEWALKS (3 DAYS PER DWELLING)
- INSTALL PERMANENT SEEDING AND LANDSCAPING (3 DAYS PER DWELLING)
- REMOVE SEDIMENT CONTROL DEVICES AS PERMISSION IS GRANTED BY SEDIMENT CONTROL INSPECTOR AND UPLAND AREAS HAVE BEEN STABILIZED

LOT INFORMATION CHART

LOT No.	STREET ADDRESS	INV. SEWER • E
58	2182 DUNLEER COURT	367.79
59	2180 DUNLEER COURT	362.67
60	2180 DUNLEER COURT	364.21
61	2184 DUNLEER COURT	364.07
62	2198 DUNLEER COURT	364.21
63	2197 DUNLEER COURT	363.91
64	2199 DUNLEER COURT	363.94
65	2191 DUNLEER COURT	362.66
66	2191 DUNLEER COURT	362.03
67	2193 DUNLEER COURT	368.78
68	2191 DUNLEER COURT	372.74

SHEET INDEX

1 OF 2	SITE DEVELOPMENT PLAN
2 OF 2	DETAIL SHEET

LEGEND

Symbol	Description
---	Existing Contour 2' Interval
---	Existing Contour 10' Interval
---	Proposed Contour 2' Interval
---	Proposed Contour 10' Interval
+ 624	Spot Elevation
—S—S—	Silt Fence
FF	First Floor Elevation
BE	Basement Elevation
---	Proposed Walkout
---	Earth Dike
-X-X-	Tree Protection
---	Existing Tree Line
L.O.D.	Limit of Disturbance
(T)	Existing Street Tree
---	EROSION CONTROL MATTING

EX. TRAP DATA
 TYPE OF TRAP: STONE OUTLET
 DRAINAGE AREA: 0.10 AC.
 STORAGE REQUIRED: 3,240 C.F.
 STORAGE PROVIDED: 3,800 C.F.
 WEIR CREST ELEV.: 341.0
 BOTTOM ELEV.: 339.0
 DEPTH: 2'
 SLOPE: 2:1
 TOP OF EMBANKMENT: 342.0
 WEIR LENGTH: 14'
 CLEAROUT ELEV.: 339.50
 *SUPER SILT FENCE IS TO BE INSTALLED WHEN PERMISSION IS GRANTED BY E/S CONTROL INSPECTOR TO FILL IN EX. TRAP

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTRAL SERVICE OFFICE: 10272 BALDWIN NATIONAL Pk
 ELLIOTT CITY, MARYLAND 21117
 410-491-2855

7-5-00	CHANGE EARTH DIKE TO SUPER SILT FENCE
7-5-00	LOT 64 REV. MODEL & GRD.
7-5-00	LOT 60 REV. MODEL & GRD.
5-10-00	LOT 61 REV. MODEL & GRD.
5-10-00	LOT 58 REV. MODEL & GRD.
1-12-00	LOT 59 REV. MODEL & GRD.
1-12-00	LOT 66 REV. MODEL & GRD.
12-13-99	LOT 65 REV. MODEL & GRD.
12-13-99	LOT 63 REV. MODEL & GRD.
12-13-99	LOT 62 REV. MODEL & GRD.
	REVISION

ENGINEER'S CERTIFICATE
 I 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 of Engineer (Print name below signature) **Earl D. Collins** Date **7.15.99**

DEVELOPER'S CERTIFICATE
 I/We certify that all development and construction will be done according to this plan, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment 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.
 Signature of Developer (Print name below signature) **Steve H. Corvello** Date **7.15.99**

Reviewed for HOWARD SCD and meets Technical Requirements.
 U.S.D.A.-Natural Resources Conservation Service
 This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.
 Signature of Reviewer **Richard Sumner** Date **9/13/99**
 Signature of Reviewer **John K. Johnson** Date **9/13/99**

OWNER
 FORTY WEST BUILDERS
 1007 LESLIE AVENUE
 CATONSVILLE, MARYLAND 21228

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Chief, Division of Land Development **Cindy Stamba** Date **9/14/99**
 Chief, Development Engineering Division **William J. Williams** Date **9/15/99**
 Director - Department of Planning and Zoning **Bob Smith** Date **9/20/99**

PROJECT	MT. HEBRON	SECTION/AREA	23	LOT NO.	58-68
PLAT	12983	BLOCK NO.	3	TAX/ZONE	R-20
WATER CODE	4 03	SEWER CODE	17	ELEC. DIST.	2ND
				CENSUS T. 3	6021
				5758000	

SITE DEVELOPMENT PLAN
MT. HEBRON
 SECTION 23-PHASES 2 AND 3
 LOTS 58-68
 TAX MAP No: 17 PART OF PARCEL:37 GRID: 3
 SECOND ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
 SCALE: 1"=30' DATE: JUNE, 1999
 SHEET 1 OF 2