

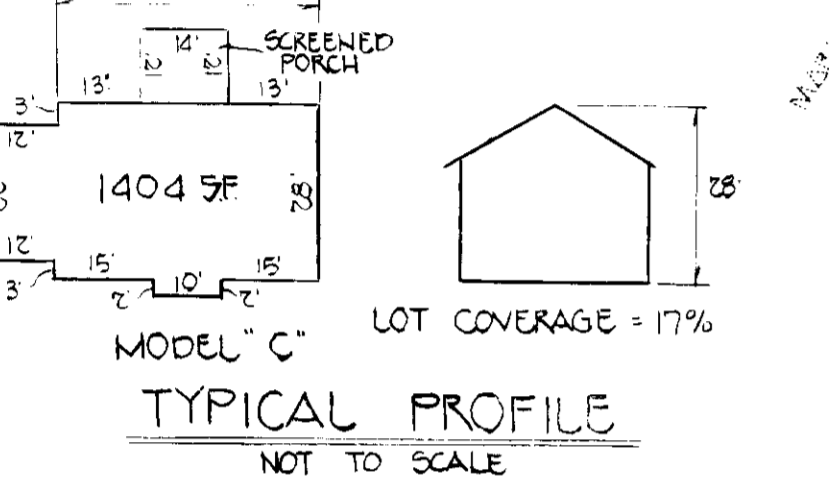
INVERT ELEVATION OF 7HC AT PROPERTY LINE

LOT NUMBER	ELEVATION
1	229.17
2	228.03
3	224.05
4	224.49
5	224.79
6	223.49
7	223.36
8	223.10
9	224.82
12	224.14
13	222.72
14	222.77
15	222.10
16	221.93

NOTE: HIGH GROUND WATER AREAS MAY REQUIRE A SLAB IN LIEU OF BASEMENT CONSTRUCTION. CONTRACTOR MUST EVALUATE THE GROUND WATER SITUATION PRIOR TO CONSTRUCTION

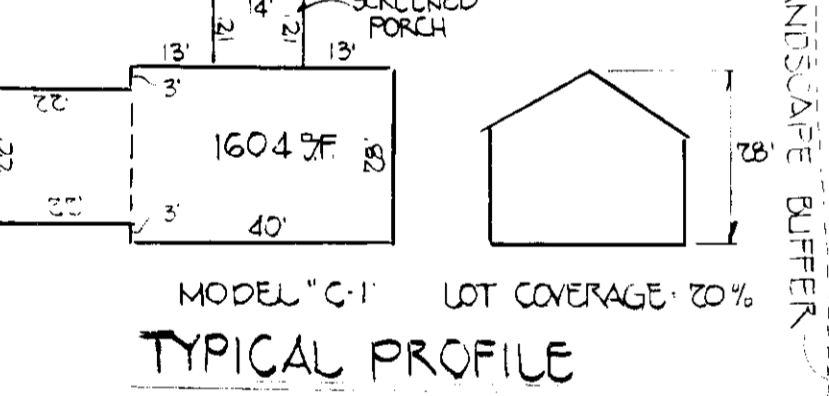
LANDSCAPING

SYMBOL	TYPE	SIZE	COUNT
(Symbol)	PINU'S SYROBUS (WHITE PINC)	4HT	G4
(Symbol)	EXISTING HARDWOODS	SEE F 91-54	
(Symbol)	SUGAR MAPLE AND ALGER RUBRUM		



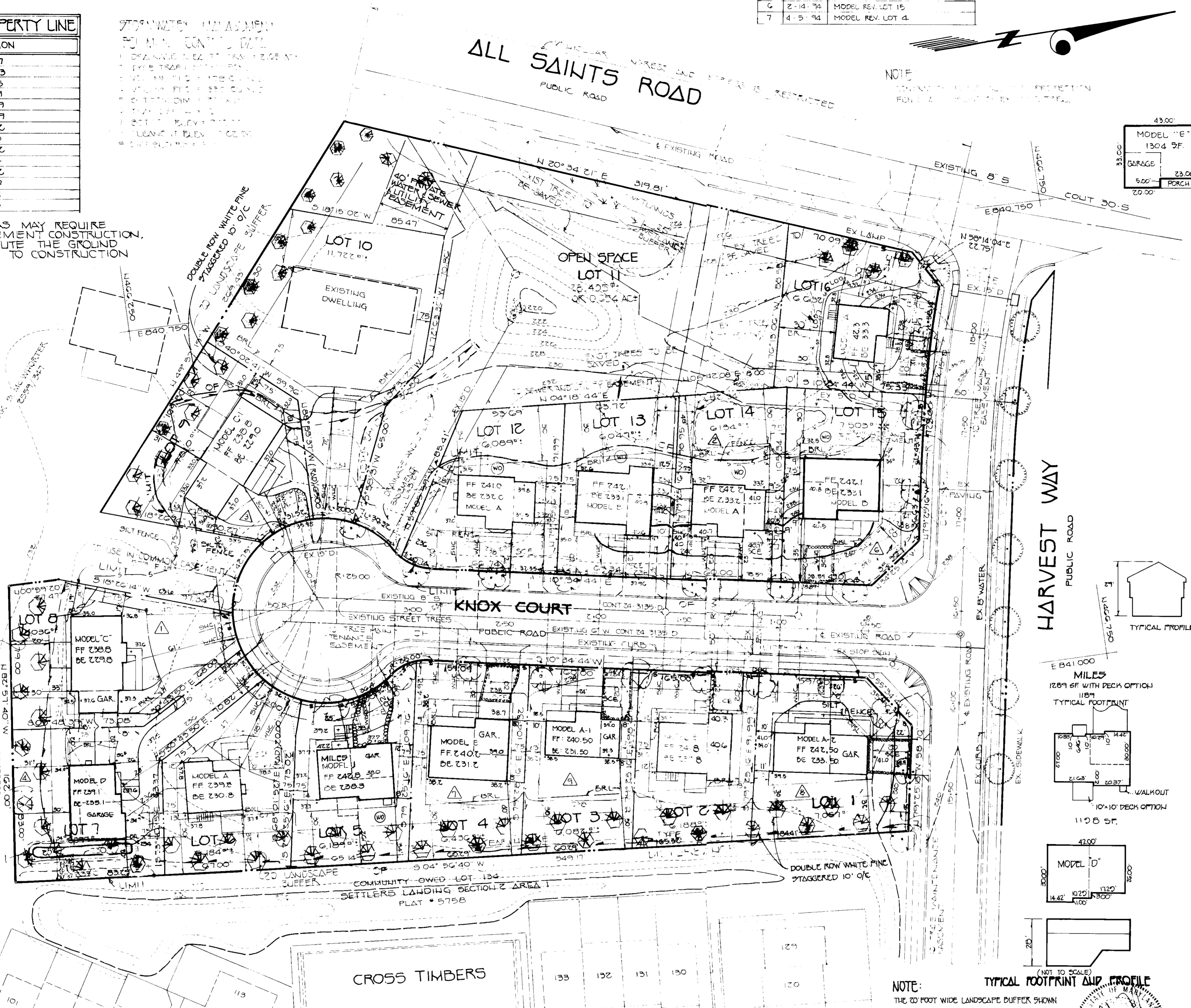
TRAP DATA NO. 1

- TYPE = STONE OUTLET
- DRAINAGE AREA = 0.75 AC. ±
- VOLUME REQUIRED = 50 CU. YD.
- VOLUME PROVIDED = 58 CU. YD.
- TOP DIM. = 12" X 60"
- BOTTOM DIM. = 6" X 54"
- WEIR CREST ELEVATION = 233.0
- BOTTOM ELEVATION = 30.0
- CLEANOUT ELEVATION = 231.50
- DEPTH = 3.0'
- "L" DIM = 5'



No.	DATE	DESCRIPTION
4	02-17-92	MODEL REVISION LOT 7 TO D
3	10-19-92	MODEL REVISION LOT 9 TO C-1
2	10-19-92	MODEL REVISION LOT 14 TO A
1	10-19-92	MODEL REVISION LOT 8 TO C

No.	DATE	DESCRIPTION
6	2-14-94	MODEL REV. LOT 15
7	4-9-94	MODEL REV. LOT 4



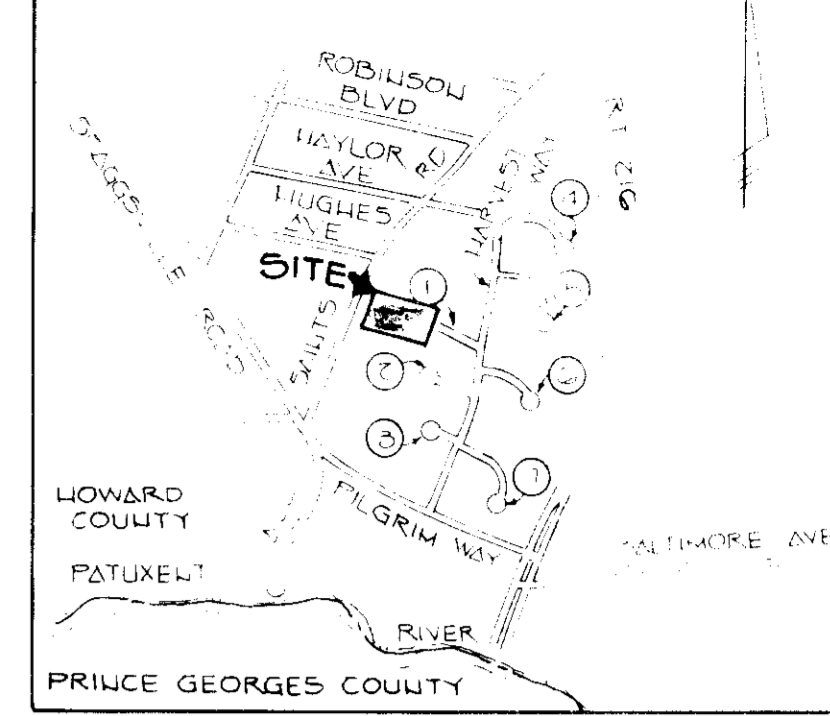
PLAN VIEW SCALE 1" = 30'

No.	DATE	DESCRIPTION
10	4-19-92	REV GRADING & DRIVEWAYS ON LOT 16
9	2-22-92	REV USE MODEL ON LOT 3
8	9-22-92	REV USE MODEL ON LOT 1

NOTE: THE 20 FOOT WIDE LANDSCAPE BUFFER SHOWN ON THIS PLAN IS REQUIRED BY SECTION 16.116.C.6 (P)(1) OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS. NO CLEARING OF EXISTING VEGETATION IS PERMITTED, HOWEVER LANDSCAPE MAINTENANCE IS AUTHORIZED.



- ROAD NAMED
- 1 HARVEST WAY
 - 2 CROSS TIMBERS
 - 3 ROVERBANK COURT
 - 4 REDBRIDGE COURT
 - 5 PINELUT COURT
 - 6 CARROT COURT
 - 7 MAYFLOWER COURT



LOT NO.	STREET ADDRESS	MIN. CELLAR ELEVATION	LOT AREA	PIPE STEM AREA	MIN. LOT AREA	HOUSE SIZE	PERCENTAGE OF HOUSE TO LOT SIZE
1	9101 KNOX COURT	233.4	7067 S.F.			1304	18.4
2	9105 KNOX COURT	232.6	6188 S.F.			1261	20.4
3	9109 KNOX COURT	228.7	6082 S.F.			1251	20.6
4	9113 KNOX COURT	229.2	6436 S.F.			1251	19.4
5	9117 KNOX COURT	229.6	6189 S.F.			1200	19.4
6	9121 KNOX COURT	230.1	6184 S.F.			744	12.0
7	9125 KNOX COURT	230.8	8099 S.F.	1336 S.F.	6793 S.F.	1304	18.5
8	9129 KNOX COURT	230.2	8076 S.F.			1251	15.5
9	9120 KNOX COURT	228.4	7810 S.F.			1008	13.0
10	9116 KNOX COURT		11722 S.F.	2075 S.F.	9647 S.F.		
12	9112 KNOX COURT	228.4	6089 S.F.			1008	16.6
13	9108 KNOX COURT	226.9	6047 S.F.			1251	20.7
14	9104 KNOX COURT	226.9	6134 S.F.			1251	20.4
15	9100 KNOX COURT	232.6	7503 S.F.			1304	17.4
16	9096 HARVEST WAY	222.4	6632 S.F.			744	11.2

- GENERAL NOTES
- SUBJECT PROPERTY IS LOCATED ON TAX MAP NO. 50, PARCEL 47.
 - PLAT REFERENCE: 10464
 - PRESENT ZONING IS R-SC (RESIDENTIAL-SINGLE)
 - MINIMUM SETBACKS:
FRONT: 20'
SIDE: 20' (FROM PUBLIC R/W)
REAR: 7.5'
 - STREET TREES WILL BE PROVIDED UNDER F 91-54 BY THE DEVELOPER.
 - THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION DIVISION 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK 410-313-1880
 - ALL FIREPLACE CHIMNEYS AND BY WINDOWS NOT MORE THAN TEN FEET IN WIDTH MAY PROJECT NOT MORE THAN FOUR FEET INTO ANY REQUIRED YARD. (SECTION 128 OF THE HOWARD COUNTY ZONING REGULATIONS).
 - STORMWATER MANAGEMENT IS PROVIDED UNDER F 91-54.
 - ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE "HOWARD COUNTY DESIGN MANUAL, VOLUME IV STD. SPECS AND DETAILS FOR CONSTRUCTION, 1989 AMENDMENTS".
 - THIS PLAN IS SUBJECT TO WP 91-46 TO WAIVE SECTION 16.116.C.6 TO ALLOW GRADING WITH IN WETLAND BUFFER APPROVED ON DECEMBER 12, 1990.
 - THIS PLAN IS SUBJECT TO WP 92-130 DIRECTOR OF D.P.Z. GRANTED AN EXTENSION OF APPROVAL FOR THIS PLAN.

- CONSTRUCTION SEQUENCE
- OBTAIN GRADING PERMITS.
 - INSTALL SIX FOOT FENCE, STABILIZED CONSTRUCTION ENTRANCES AND TREE PROTECTION AS SHOWN ON PLAN.
 - BEGIN BUILDING CONSTRUCTION.
 - INSTALL WATER AND SEWER HOUSE CONNECTIONS.
 - ROUGH GRADE SITE.
 - COMPLETE BUILDING CONSTRUCTION.
 - FINE GRADE SITE AND PAVE DRIVEWAYS. STABILIZE SITE WITH PERMANENT SEEDING.
 - REMOVAL OF SEDIMENT CONTROL DEVICES SHALL BE DONE WITH THE SUPERVISION AND PERMISSION OF SEDIMENT CONTROL INSPECTOR.

SITE ANALYSIS

TOTAL AREA OF SITE	= 24.0 AC ±
TOTAL NUMBER OF LOTS	= 16
TOTAL NUMBER OF BUILDABLE LOTS	= 14
AREA DISTURBED	= 10.0 AC ±
AREA TO BE ROOFED OR PAVED	= 0.5 AC ±
AREA REVEGETATIVELY STABILIZED	= 11.0 AC ±
TOTAL CUT	= 2000 CU YDS
TOTAL FILL	= 2000 CU YDS
OFF-SITE WASTE BORROW AREA LOCATION	=

NOTE: A TREE MAINTENANCE EASEMENT, 10 FEET IN WIDTH, RUNNING ALONG THE EDGE OF THE PUBLIC ROAD RIGHT-OF-WAY AS SHOWN ON THIS DRAWING IS RESERVED UPON ALL LOTS FRONTING ON THE SAID PUBLIC ROAD RIGHT-OF-WAY. THIS EASEMENT ALLOWS HOWARD COUNTY THE RIGHT TO ACCESS THE PROPERTY, WHEN NECESSARY, FOR THE SPECIFIC PURPOSE OF INSTALLATION, REPAIR, AND MAINTENANCE OF COUNTY OWNED TREES LOCATED WITHIN THE BOUNDARIES OF PRIVATE LOTS. NO BUILDING OR STRUCTURE OF ANY KIND SHALL BE LOCATED ON OR OVER THE SAID EASEMENT AREA.

DEVELOPER: MARK S. MCWHORTER, 6811 REDBERRY ROAD, CLARKSVILLE, MD 20723
OWNER: JAMES A. KNOX AND CAROLYN A. KNOX, 9411 ALL SAINTS ROAD, LAUREL, MARYLAND 20723

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERS & LAND SURVEYORS
SUITE 100, 9171 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21042
(401) 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: Mark S. McWhorter
Date: 9-15-92

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 THE ENVIRONMENT 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: Mark S. McWhorter
Date: 9-15-92

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
James M. Helms 7/22/92
DATE

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
APPROVED: John R. Reuter 7/22/92
DATE

APPROVED: DEPT OF PLANNING AND ZONING
10/8/92
DATE
James M. Helms 7/22/92
DATE

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS
9-30-92
DATE

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.
7-25-92
DATE
James M. Helms 7/22/92
DATE

9-24-92
DATE
9-24-92
DATE

PROPERTY/SUBDIVISION: KNOX LAUNDING
SECTION/AREA: 1-10, 12-16
PARCEL/LOT NO: 10464
PLAT NO: 10464
BLOCK NO: 2
ZONE: R-9C
TAX/ZONE: 50
ELEC. DIST: 6
CENSUS TR: 6069.03
WATER CODE: 710700
SEWER CODE: C05

SITE DEVELOPMENT PLAN
KNOX LAUNDING
LOTS 1-10 AND 12-16
TAX MAP 50 PARCEL 74
SIXTH ELECTION DIST. HOWARD CO. MD.
SCALE AS SHOWN SEPTEMBER 1, 1992
S-89-93 P-90-32 F-91-34
SHEET 1 OF 2

PERMANENT SEEDING NOTES:
 APPLY TO GRADED OR CLEARED AREA NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED 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: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULE:
 1) PREFERRED - APPLY 2 TONS PER ACRE SOLID LIME (2.0 LBS/1000 SQ. FT.) AND 600 LBS PER ACRE 10-10-10 FERTILIZER (1.4 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 SOLID LIME (2.0 LBS/1000 SQ. FT.) AND 1000 LBS. PER ACRE 10-10-10 FERTILIZER (2.3 LBS/1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE-INCHES OF SOIL.

SEEDING: FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 40 LBS. PER ACRE (1.4 LBS/1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE FOR THE PERIOD MAY 1 THRU JULY 31. SEED WITH 80 LBS. KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS. PER ACRE (.65 LBS/1000 SQ. FT.) OF SHEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 29, 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 SOG. OPTION (3) SEED WITH 80 LBS/ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WILL ANCHORED STRAW.
MULCHING: APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OF UNROTATED 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 HIGHTER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ. FT.) FOR ANCHORING. MAINTENANCE: INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

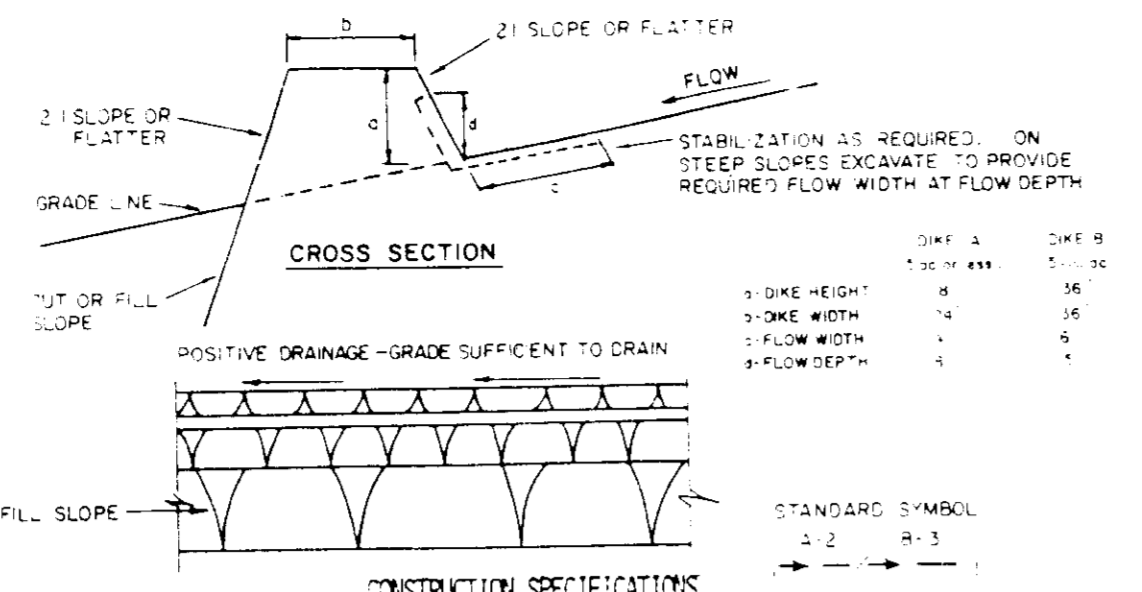
TEMPORARY SEEDING NOTES:
 APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.
SEEDING PREPARATION: LOOSEN UPPER THREE-INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING. IF NOT PREVIOUSLY LOOSENED, SOIL AMENDMENTS: APPLY 800 LBS PER ACRE 10-10-10 FERTILIZER (1.4 LBS/1000 SQ. FT.)

SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 1 THRU NOVEMBER 15, SEED WITH 2 1/2 BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS/1000 SQ. FT.); FOR THE PERIOD MAY 1 THRU AUGUST 15, SEED WITH 3 LBS PER ACRE OF SHEEPING LOVEGRASS (1.07 LBS/1000 SQ. FT.); FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 29, PROTECT SITE BY: OPTION (1) 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. USE SOG.
MULCHING: APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OF UNROTATED 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 HIGHTER, 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 (899-2437).
 - 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 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) SOG (SEC. 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
 - ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
 - SITE ANALYSIS:

TOTAL AREA OF SITE	1.2 ACRES
AREA DISTURBED	1.2 ACRES
AREA TO BE GRADED OR PAVED	0 ACRES
AREA TO BE VEGETATIVELY STABILIZED	0 ACRES
TOTAL CUT	0 CU. YDS.
TOTAL FILL	0 CU. YDS.
 - OFFSITE WASTE/BORROW AREA LOCATION: 0 CU. YDS.
 - 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 DPM SEDIMENT CONTROL INSPECTOR.
 - ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.

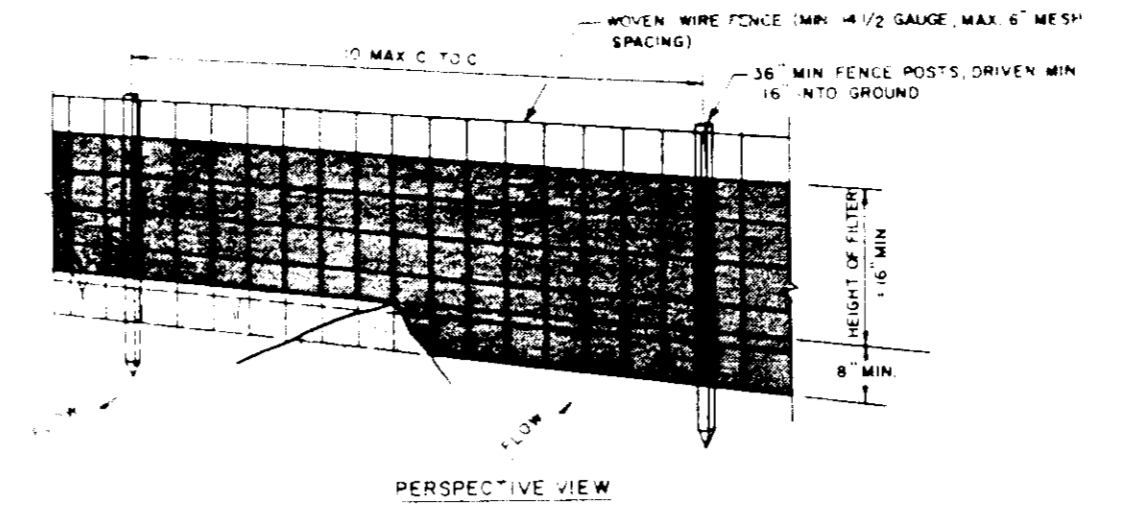


- CONSTRUCTION SPECIFICATIONS**
- ALL DIKES SHALL BE COMPLETED BY EARTH-MOVING EQUIPMENT.
 - SILT DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
 - TOP WIDTH MAY BE WIDER AND SIDE SLOPES MAY BE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
 - FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SAFE OUTLET.
 - EARTH DIKES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION. PLANETS SHALL BE CONVERGED 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.

TREATMENT	CHANNEL	DIKE A	DIKE B
1	1.5-3.0%	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1-5.0%	SEED AND STRAW MULCH	SEED USING LIME, OR EXCELSTON, SOG, OR STONE
3	5.1-8.0%	SEED WITH LIME, OR SOG, OR STONE	LINED RIP-RAP 4-8"
4	8.1-20%	LINED RIP-RAP 4-8"	ENGINEERING DESIGN

EARTH DIKE

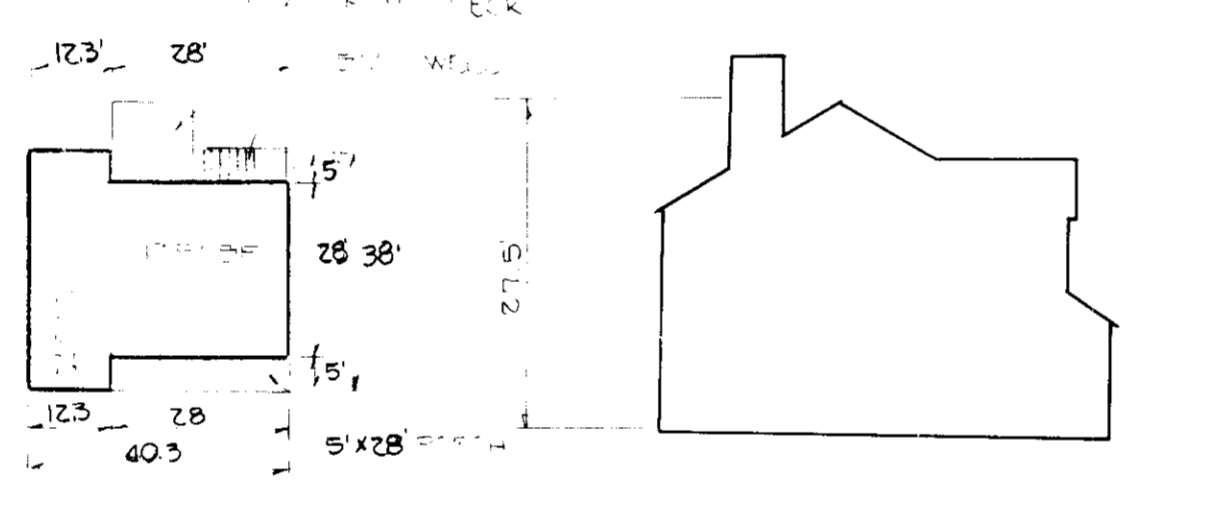
NOT TO SCALE



- CONSTRUCTION NOTES FOR PRECAST CONCRETE SILT FENCE**
- WHEN WIRE FENCE IS TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
 - FILTER CLOTH TO BE FASTENED SECURELY TO WIRE FENCE WITH TIES SPACED EVERY 12" AT TOP AND MID SECTION.
 - WHERE TWO SECTIONS OF FILTER CLOTH MEET, EACH SECTION SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED OVER EQUAL.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN NECESSARY TO DEVELOP IN THE SILT FENCE.

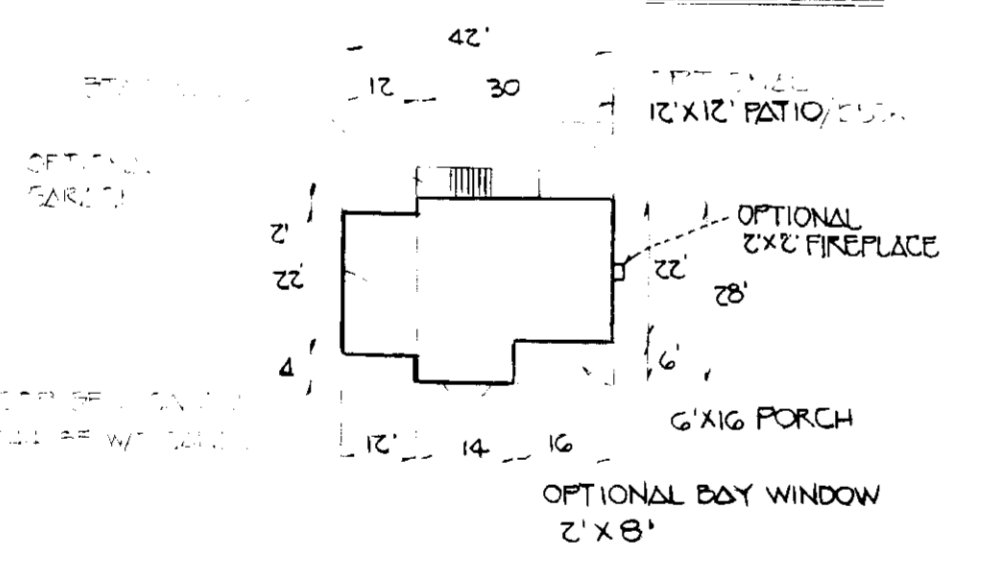
SILT FENCE

NOT TO SCALE



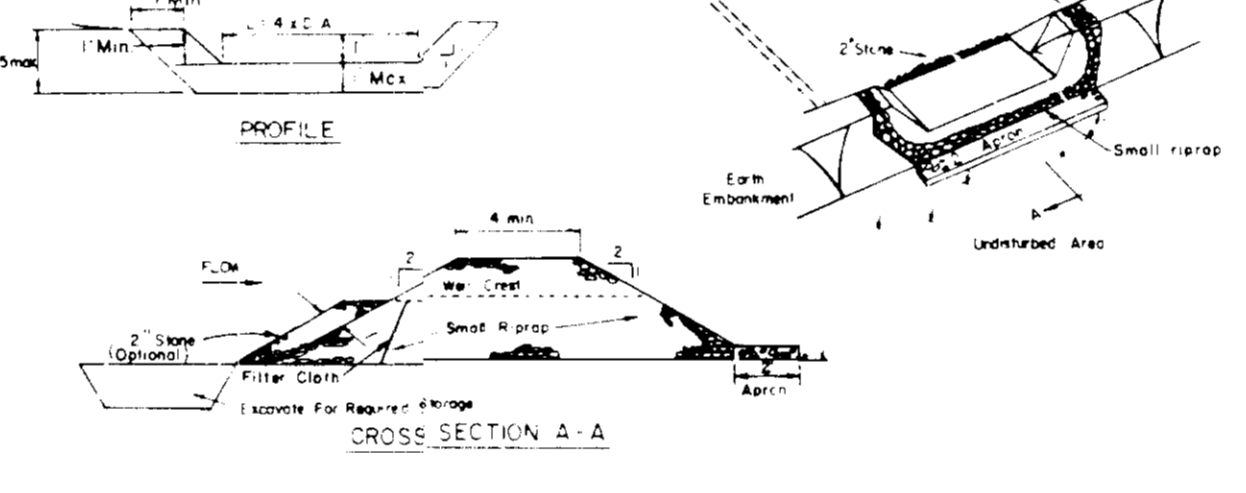
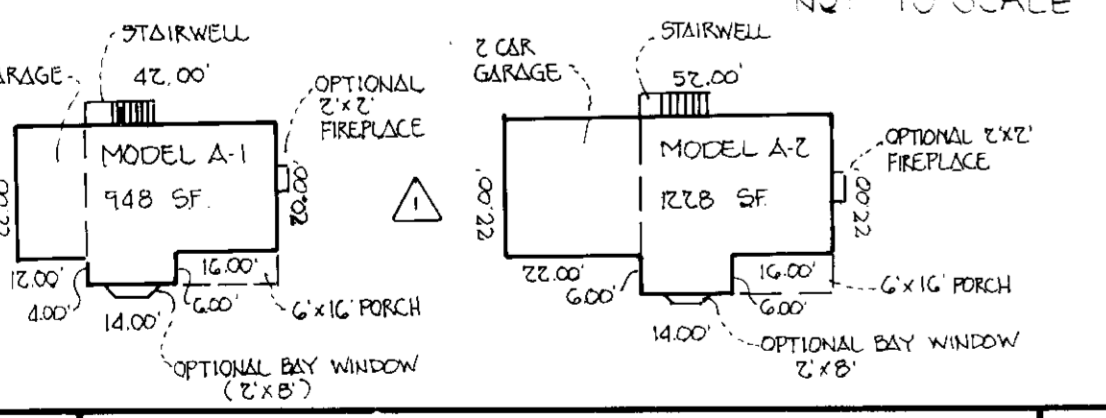
PLAN VIEW NOT TO SCALE

SIDE VIEW NOT TO SCALE



PLAN VIEW NOT TO SCALE

SIDE VIEW NOT TO SCALE

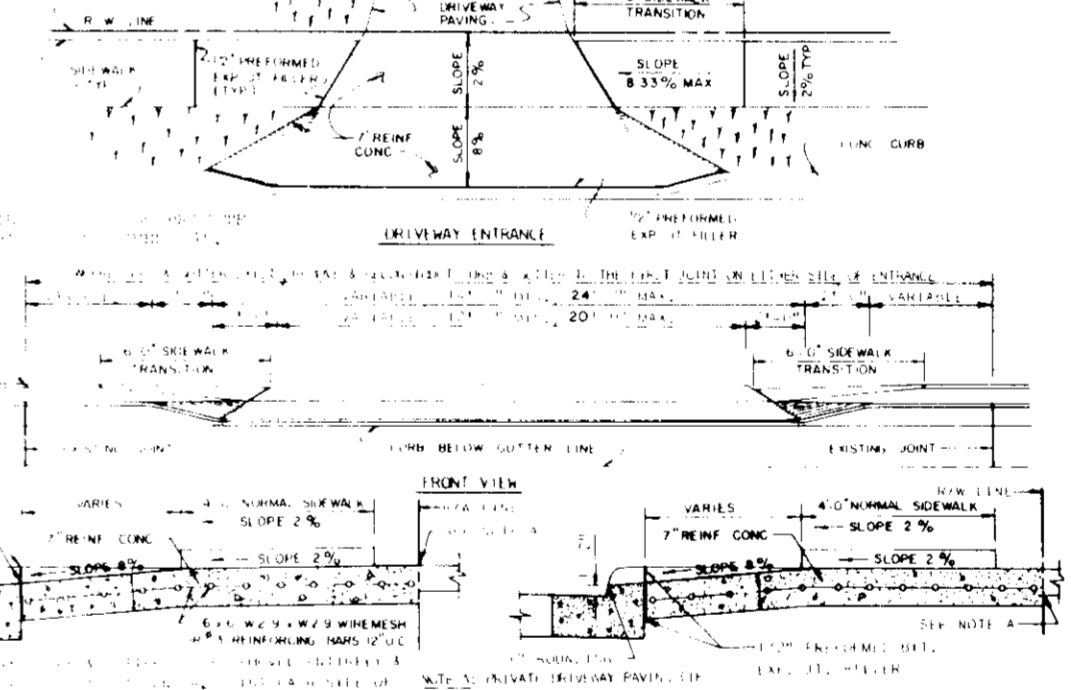


CROSS SECTION A-A

- CONSTRUCTION SPECIFICATIONS FOR ST-Y**
- 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 roots and other woody vegetation as well as oversized stones, rocks, organic material or other objectionable materials. 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 upstream side on the small riprap 2" embedded filter cloth on the riprap.
 - Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/4 the height depth of the trap.
 - The structure shall be inspected after each rain and repaired 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.

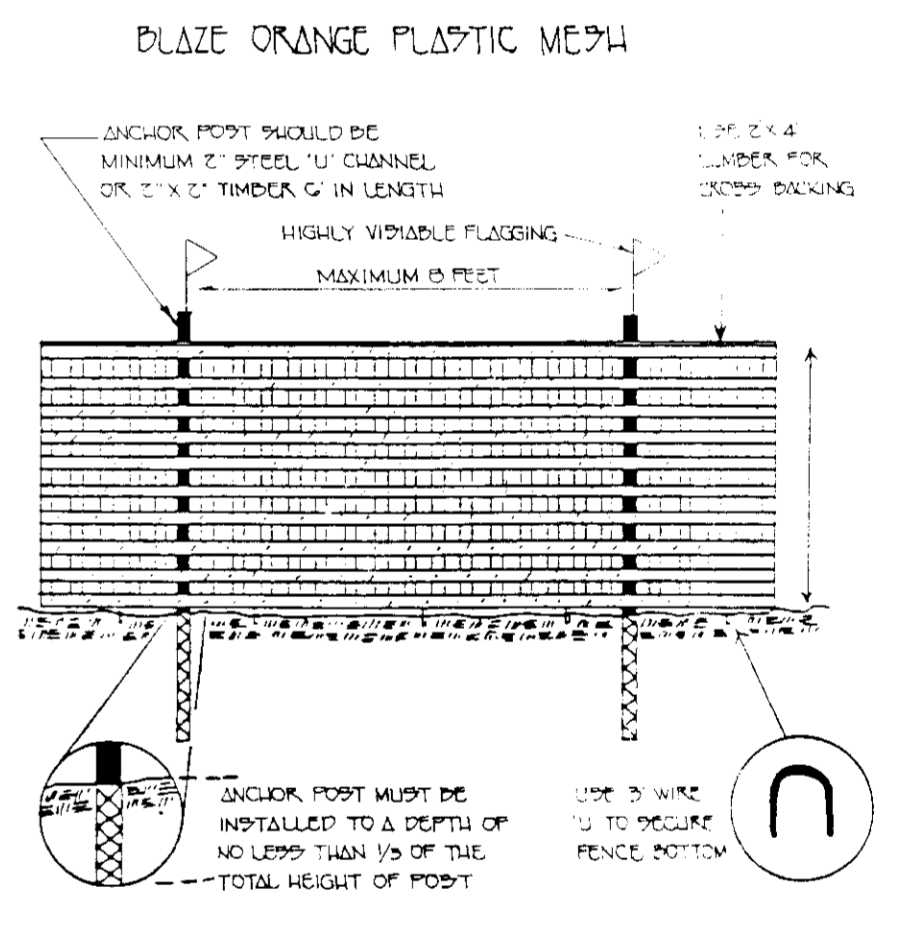
STONE OUTLET SEDIMENT TRAP

NOT TO SCALE



TYPICAL RESIDENTIAL DRIVEWAY ENTRANCE

NOT TO SCALE



TREE PROTECTION DETAIL

NOT TO SCALE



DEVELOPER
 MARK S. McWHORTER
 3851 RED BERRY ROAD
 CLARKSVILLE MD 20723

OWNER
 JAMES A. KNOX AND CAROLYN A. KNOX
 9411 ALL SAINTS ROAD
 LAUREL, MARYLAND 20723

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERS & LAND SURVEYORS
 SUITE 100, 9171 BALTIMORE NATIONAL PIKE
 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.
 DATE: 9-15-92
 SIGNATURE OF ENGINEER: [Signature]

DEVELOPER'S CERTIFICATE
 I, [Signature], DO HEREBY 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 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 OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.
 DATE: 9-15-92
 SIGNATURE OF DEVELOPER: [Signature]

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
 DATE: 9/22/92
 APPROVED: [Signature]
 DATE: 9/22/92
 APPROVED: [Signature]
 DATE: 9/22/92

APPROVED DEPT. OF PLANNING AND ZONING
 DATE: 10/8/92
 APPROVED: [Signature]
 DATE: 10/8/92

APPROVED DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.
 DATE: 9-25-92
 APPROVED: [Signature]
 DATE: 9-24-92

SITE DEVELOPMENT PLAN
KNOX LAUNDING
 LOTS 1-10 AND 12-16
 TAX MAP 50 PARCEL 74
 SIXTH ELECTION DIST. HOWARD CO. MD
 SCALE AS SHOWN SEPTEMBER 1, 1992
 SHEET 2 OF 2