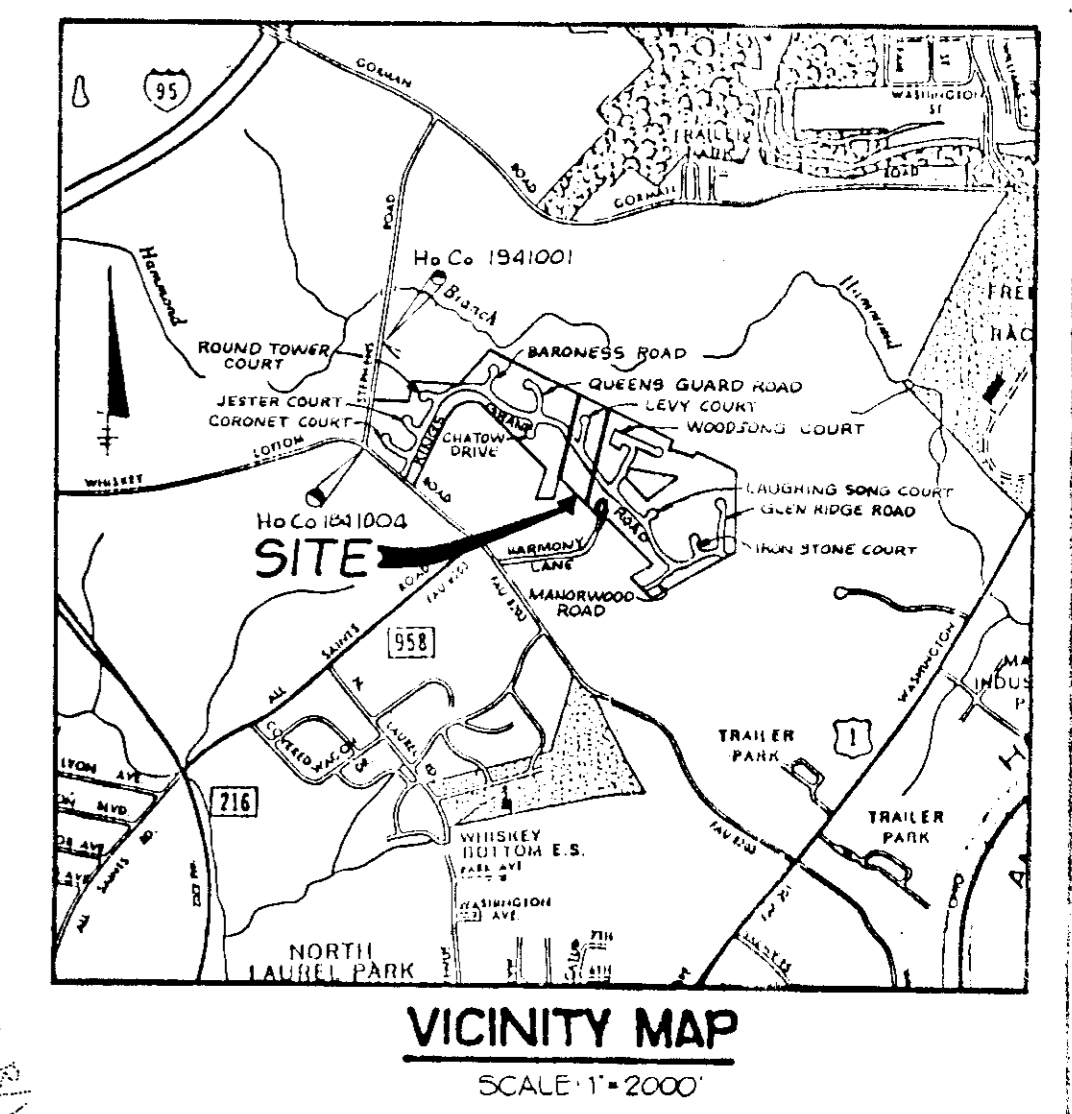


SHC INV. ELEVATION @ PROPERTY LINE

LOT NO.	ELEV.	LOT NO.	ELEV.
1	269.20	15	250.04
2	269.06	16	250.17
3	268.59	17	250.32
4	267.48	18	250.38
5	266.19	19	250.81
6	264.38	20	250.68
7	263.22	21	250.76
8	262.84	22	250.80
9	262.95	23	251.11
10	249.20	24	250.05
11	249.24	25	249.81
12	249.24	26	249.76
13	249.48	27	249.63
14	249.60	28	249.59

BENCH MARKS
 HO CO 1841004 ELEV 295.324
 REBAR 6" SOUTH OF SOUTH EDGE OF WHISKEY
 BOTTOM ROAD NEAR THE INTERSECTION OF
 STEPHENS ROAD
 N 471079.018 E 843267.878
 HO CO 1941001 ELEV 277.873
 REBAR 4" WEST OF WEST EDGE OF STEPHENS
 ROAD IN FRONT OF HOUSE NO 8820 0.3' BELOW
 SURFACE.
 N 472233.199 E 843797.549



- GENERAL NOTES
- SUBJECT PROPERTY ZONED RSC PER 8/2/85 COMPREHENSIVE ZONING PLAN.
 - ALL COORDINATES SHOWN HEREON ARE BASED ON THE MARYLAND STATE GRID SYSTEM.
 - ORIGIN OF COORDINATES HOWARD COUNTY GEODETIC CONTROL POINT NUMBERS 1841004 AND 1941001.
 - THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION SURVEY DIVISION 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK AT 992-2417 OR 992-2418.
 - TOPD TAKEN FROM ROAD CONSTRUCTION PLANS F-89-223 PREPARED BY TRACY, SCHULTE AND ASSOCIATES, INC.
 - PUBLIC WATER AND SEWER SHOWN FOR REFERENCE ONLY. FOR MORE DETAILED INFORMATION, SEE WATER AND SEWER PLANS CONTRACT NUMBER 24-1944-0.
 - WOB INDICATES WALKOUT BASEMENT.
 - STORMWATER MANAGEMENT FOR THIS SITE IS PROVIDED UNDER HARMONY LAND HOUSING F-89-223 AS A DETENTION FACILITY.
 - AS NOTED ON PLAT NUMBER 9404 THE WETLAND AND STREAM BUFFER INDICATED ON THIS PLAN DOES NOT EFFECT THE INITIAL CONSTRUCTION OF RESIDENTIAL UNITS ON ANY LOT. IT DOES PROHIBIT SUBSEQUENT CLEARING, GRADING OR CONSTRUCTION IN THE BUFFER AREA. MAINTENANCE OF RESIDENCES, LANDSCAPING, AND UTILITIES IS PERMITTED.
 - ALL SIDEWALKS ALONG KINGS GRANT ROAD AND LEVY COURT WILL BE PROVIDED AS PER ROAD CONSTRUCTION PLANS F-89-223.
- SITE ANALYSIS
- | ZONING | UNIT TYPE | RSC |
|--------|-------------------------------------|------------------------|
| | NUMBER OF UNITS | SINGLE FAMILY ATTACHED |
| | MAXIMUM BUILDING COVERAGE PERMITTED | 28 |
| | TOTAL AREA OF LOTS | 845 PER ACR |
| | PARKING REQUIRED - 2 PER UNIT | 1,558 ACRES |
| | PARKING PROVIDED | 50 |
| | GROSS AREA OF SITE | 7,640 AC |
| | DENSITY PER ACRE | 2.37 UNITS |
| | OPEN SPACE REQUIRED | 1.40 AC |
| | OPEN SPACE PROVIDED | 4.50 AC (61%) |

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

[Signature] DIRECTOR 11.21.90 DATE

[Signature] CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT 11/25/90 DATE

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

[Signature] COUNTY HEALTH OFFICER 11-12-90 DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

[Signature] DIRECTOR DATE

[Signature] CHIEF, BUREAU OF ENGINEERING 11-1-90 DATE

ADDRESS CHART

LOT NO.	STREET ADDRESS	LOT NO.	STREET ADDRESS
1	9429 KINGS GRANT ROAD	15	9512 LEVY COURT
2	9431 " "	16	9514 " "
3	9433 " "	17	9516 " "
4	9435 " "	18	9518 " "
5	9437 " "	19	9520 " "
6	9439 " "	20	9522 " "
7	9441 " "	21	9524 " "
8	9443 " "	22	9526 " "
9	9445 " "	23	9528 " "
10	9500 LEVY COURT	24	9517 " "
11	9502 " "	25	9515 " "
12	9504 " "	26	9513 " "
13	9506 " "	27	9511 " "
14	9508 " "	28	9509 " "

SUBDIVISION NAME	SECTION	PARCEL / LOT NO.'S
HARMONY LANE HOUSING	ONE	PARCEL 821 / LOTS 1-28
PLAT # / LF	BLOCK #	ZONE
9404	22	RSC
TAX / ZONE MAP	ELEC. DIST.	CENSUS TR.
G 21	00G3	00G3
WATER CODE	SEWER CODE	
C05	7300000	

NO DATE REVISION

TRACY, SCHULTE & ASSOCIATES INC.
 planning • architecture • engineering
 8480 Baltimore National Pike • Ellicott City, Maryland 21043 • (301) 465-6105

STATE OF MARYLAND
 PROFESSIONAL ENGINEER
 REGISTERED
 10-2-90

OWNER/DEVELOPER
 COUNTY COMMISSIONERS OF HOWARD COUNTY
 THE COURT HOUSE
 ELLICOTT CITY, MARYLAND
 21043

PROJECT
HARMONY LANE HOUSING
 SECTION ONE LOTS 1-28
 LOCATION TAX MAP No. 47 PARCEL No. 821
 SIXTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE
SITE DEVELOPMENT PLAN
 (SINGLE FAMILY AT ATTACHED)

DATE
 JULY 10, 1990

DATE
 JULY 10, 1990

SCALE
 1" = 30'

DRAWING
 NO. 0273

DES. DAM
 DRN. EJS

U-7091

SDP-91-22

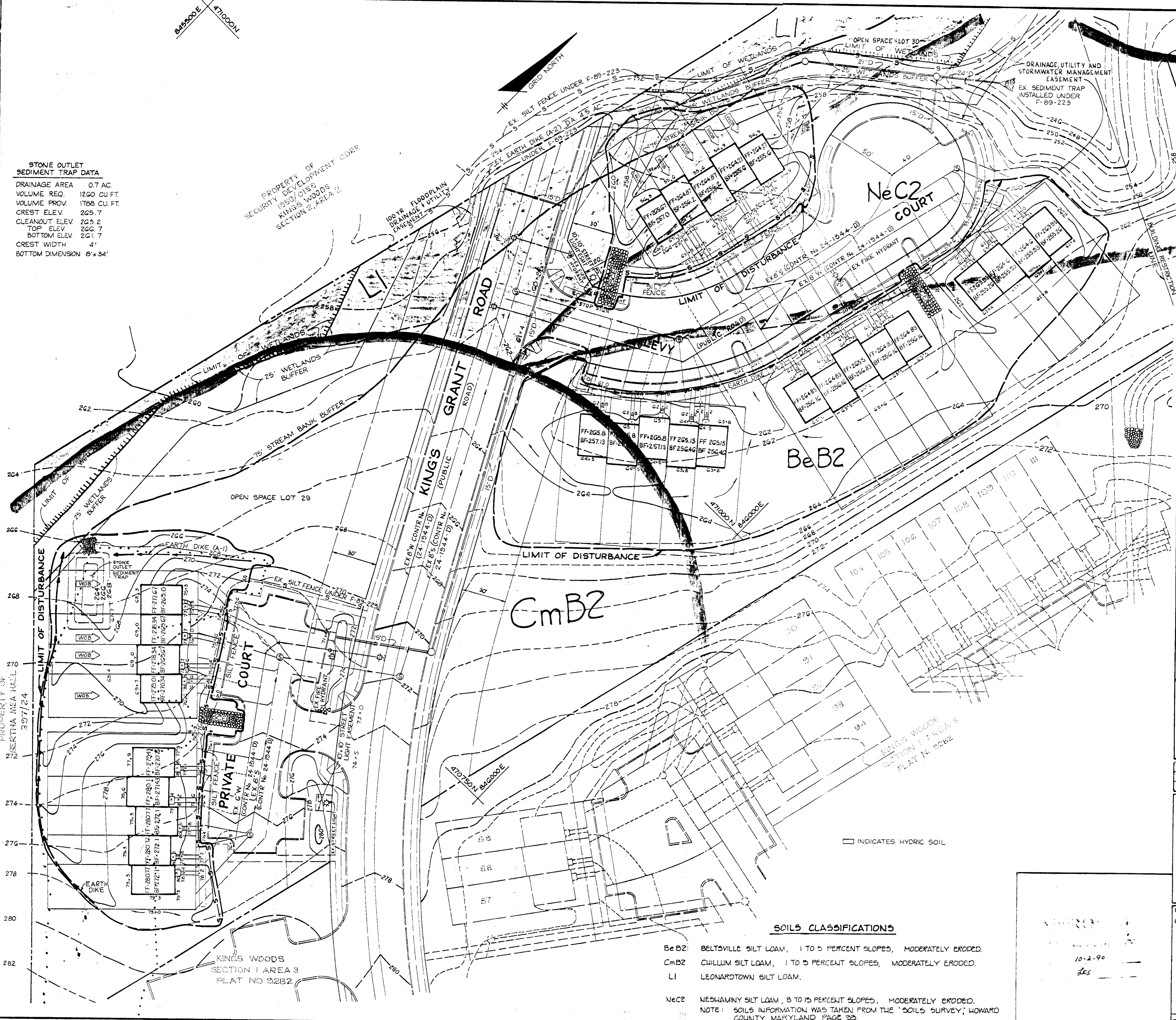
BALBOOE & 17100DN

STONE OUTLET SEDIMENT TRAP DATA
 DRAINAGE AREA 0.7 AC.
 VOLUME REQ. 1260 CU.FT.
 VOLUME PROV. 1788 CU.FT.
 CREST ELEV. 265.7
 CLEANOUT ELEV. 263.2
 TOP ELEV. 266.7
 BOTTOM ELEV. 261.7
 CREST WIDTH 4'
 BOTTOM DIMENSION 8'x34'

PROPERTY OF SECURITY DEVELOPMENT CORP.
 1220/3155
 KINGS WOODS SECTION 2, AREA 2

EX. RIP RAP OUTLET TRAP DATA
 INSTALLED UNDER F-89-223
 DRAINAGE AREA 6.0 AC.
 STORAGE REQ. 10,800 CF.
 STORAGE PROV. 20,909 CF.
 CREST ELEV. 250.5
 CLEANOUT ELEV. 246.75
 BOTTOM ELEV. 244.0
 CREST WIDTH 24.0

SEQUENCE OF CONSTRUCTION
 DAY 1 OBTAIN A GRADING PERMIT.
 DAY 2-6 INSTALL NEW SEDIMENT CONTROL DEVICES CHECK AND REPAIR EXISTING SEDIMENT CONTROL DEVICES INSTALLED UNDER F-89-223.
 DAY 7-9 CLEAR AND GRUB SITE.
 DAY 10-20 GRADE SITE AND STABILIZE IN ACCORDANCE WITH PERMANENT SEEDED NOTES.
 DAY 21-20 COMPLETE CONSTRUCTION ON ALL LOTS.
 DAY 121- UPON APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE ALL REMAINING SEDIMENT CONTROL DEVICES AND STABILIZE IN ACCORDANCE WITH PERMANENT SEEDED NOTES.
 NOTE: STORMWATER MANAGEMENT FOR THIS SITE IS PROVIDED UNDER F-89-223.



BY THE DEVELOPER:
 "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."
 DEVELOPER: *Jane M. Helm* DATE: *10-16-90*

BY THE ENGINEER:
 "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."
 ENGINEER: *James M. Helm* DATE: *10-16-90*

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
James M. Helm DATE: *10/16/90*
 U.S. SOIL CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
James M. Helm DATE: *10/16/90*
 HOWARD SOIL CONSERVATION DISTRICT

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 DIRECTOR: *Mark J. Taylor* DATE: *10/16/90*
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
Joan Boyd DATE: *11-12-90*
 COUNTY HEALTH OFFICER

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
James M. Helm DATE: *11/16/90*
 DIRECTOR

James M. Helm DATE: *11-1-90*
 CHIEF, BUREAU OF ENGINEERING

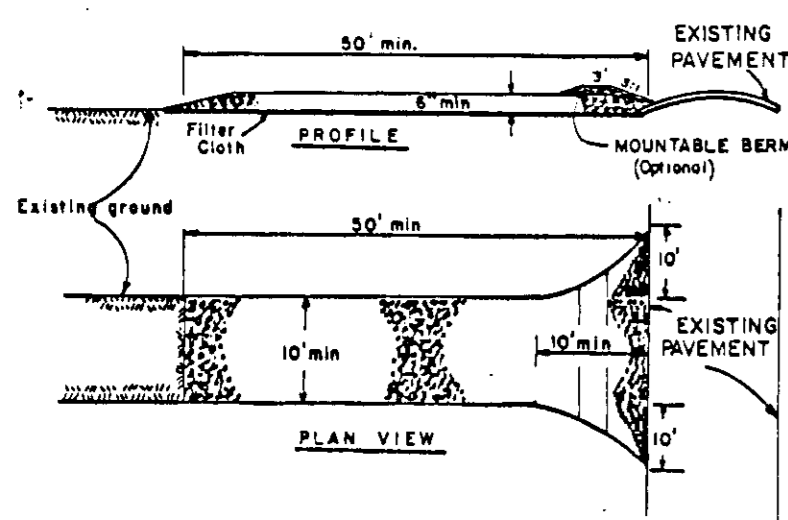
NO	DATE	REVISION

TRACY, SCHULTE & ASSOCIATES INC.
 planning • architecture • engineering
 8480 Baltimore National Pike • Ellicott City, Maryland 21043 • (301) 465-6105
 STATE OF MARYLAND PROFESSIONAL ENGINEER No. 16891

OWNER/DEVELOPER: COUNTY COMMISSIONERS OF HOWARD COUNTY, THE COURT HOUSE, ELICOTT CITY, MARYLAND 21043
 PROJECT: HARMONY LANE HOUSING, SECTION ONE LOTS 1-28, LOCATION TAX MAP No. 47, PARCEL No. 821, SIXTH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND, 5-89-53 WP-89-75, F-89-223, F-91-27 PB-2G1, PB-292
 TITLE: SOILS MAP, GRADING AND SEDIMENT CONTROL PLAN, SINGLE FAMILY ATTACHED, 5-89-53 WP-89-75 F-89-223
 DATE: JULY 10, 1990 PROJECT NO. 0273
 DES. DAM DRN. EJS SCALE: 1"=30' DRAWING 2 OF 4

SOILS CLASSIFICATIONS
 BeB2 BELTSVILLE SILT LOAM, 1 TO 5 PERCENT SLOPES, MODERATELY ERODED.
 CmB2 CHILLUM SILT LOAM, 1 TO 5 PERCENT SLOPES, MODERATELY ERODED.
 LI LEONAROTOWN SILT LOAM.
 NeC2 NESHAMINY SILT LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED.
 NOTE: SOILS INFORMATION WAS TAKEN FROM THE 'SOILS SURVEY', HOWARD COUNTY, MARYLAND PAGE 23.

STANDARD SYMBOL

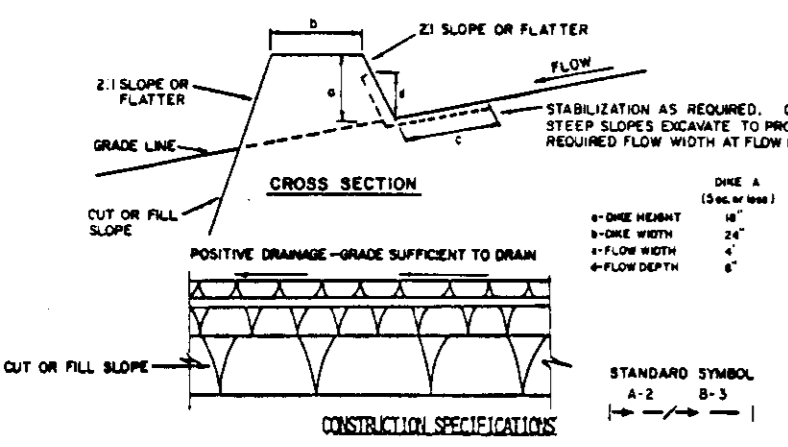


CONSTRUCTION SPECIFICATIONS

1. Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent.
2. Length - As required, but not less than 10 feet (except on a single real-estate lot where a 10 foot minimum length would apply).
3. Thickness - Not less than six (6) inches.
4. Width - Ten (10) feet minimum, but not less than the full width at points where ingress or egress occurs.
5. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be installed on a single family residence lot.
6. Surface Water - All surface water flowing or diverted toward construction entrance shall be passed across the entrance. If piping is installed, a mountable beam with 5:1 slope will be permitted.
7. Maintenance - The entrance shall be maintained in a condition which will prevent leaking 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 material used to repair and/or maintain. All sediment applied, dropped, washed or tracked onto public rights-of-way must be removed immediately.
8. 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.
9. Periodic inspection and needed maintenance shall be provided after each rain.

STABILIZED CONSTRUCTION ENTRANCE

NO SCALE

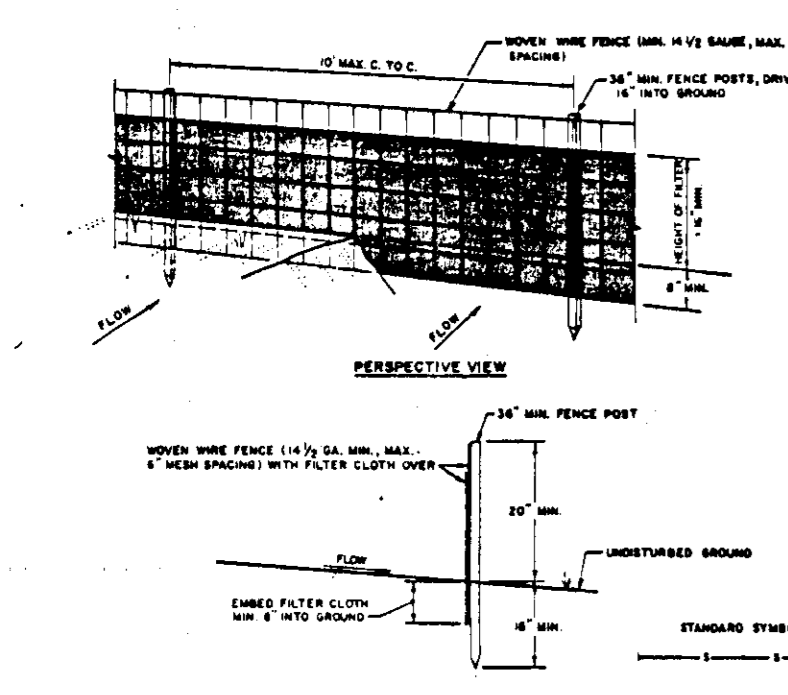


CONSTRUCTION SPECIFICATIONS

1. ALL DIKES SHALL BE CONSTRUCTED BY EARTH-MOVING EQUIPMENT.
2. TOP SURF SHALL BE PROTECTED BY PLACING A 2" MINIMUM THICKNESS OF 1/2" RADIUS CURVED PLATE OR OTHER EQUIVALENT MATERIAL TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
3. EARTH DIKES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION. STORM BASIN SHALL BE EITHER THE DRAINAGE AREA ABOVE THE DIKE OR NOT OCCUPYING STABILIZED AREA.
4. STABILIZATION SHALL BE (A) IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND STRAW MULCH OR STUMP MULCH IF NOT IN SEEDING SEASON, (B) FLOW CHANNEL AS PER THE DRAIN BELL.

EARTH DIKE

NO SCALE



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

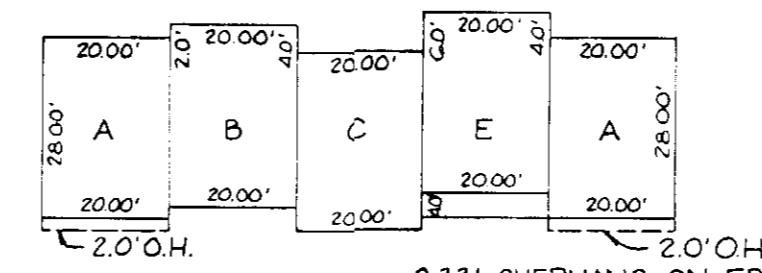
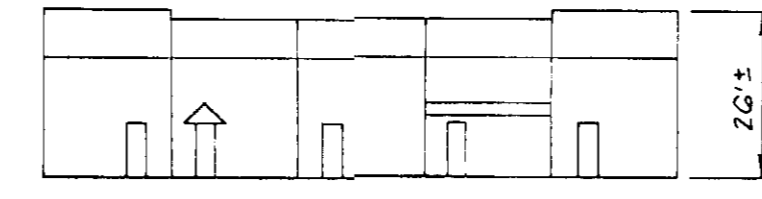
1. REMOVE THE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOODEN FENCE WITH TIES SPACED EVERY 2' AT TOP AND MID SECTION.
3. WHEN THE SECTIONS OF FILTER CLOTH MEET, EACH OTHER THE SEAM SHOULD BE OVERLAPPED BY SIX INCHES AND TIED.
4. MAINTENANCE SHALL BE PERFORMED AS NECESSARY AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

SILT FENCE

NO SCALE

SEDIMENT CONTROL NOTES

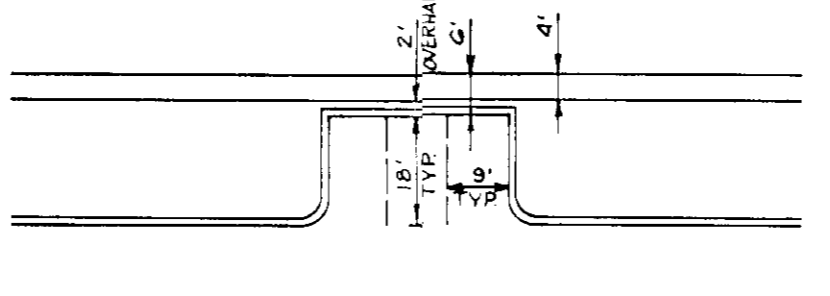
- 1) A minimum of 24 hours notice must be given to the HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (992-2437).
- 2) ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 3) 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.
- 4) 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.
- 5) 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. 31) 500 (Sec. 34), TEMPORARY SEEDING (Sec. 30) AND MULCHING (Sec. 32). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- 6) ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSOR FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- 7) SITE ANALYSIS:
 - TOTAL AREA OF SITE: 7.05 ACRES
 - AREA DISTURBED: 0.5 ACRES
 - AREA TO BE SHOVED OR PAVED: 0.5 ACRES
 - AREA TO BE VEGETATIVELY STABILIZED: 7.0 ACRES
 - TOTAL CUT: 1400 CU. YDS.
 - TOTAL FILL: 2522 CU. YDS.
- 8) ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- 9) ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY DPW SEDIMENT CONTROL INSPECTOR.
- 10) ALL SEDIMENT TRAPS 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.



- NOTE:
MAXIMUM BUILDING COVERAGE: 60%
FOUNDER'S SERIES TOWNHOUSE UNITS:
- A = 30.67' x 20' = 613.4 sq. ft. = 1022.3 sq. ft.
 - B = 28.67' x 20' = 573.4 sq. ft. = 955.6 sq. ft.
 - E = 32.33' x 20' = 646.6 sq. ft. = 1077.6 sq. ft.

TYPICAL HOUSES

NO SCALE



TYPICAL PARKING DETAIL

NO SCALE

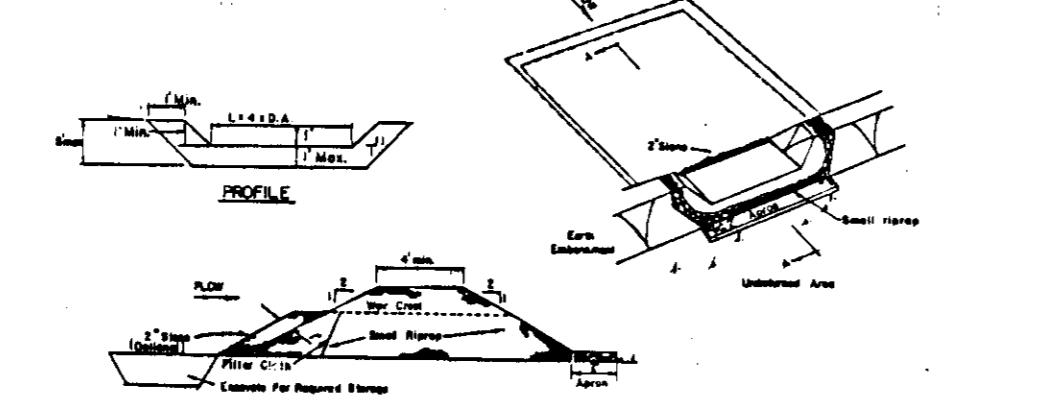
PERMANENT SEEDBED PREPARATION

- SEEDBED 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 SCHEDULES:
- 1) PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 10\$/1000 sq ft) AND 600 LBS PER ACRE 10-10-10 FERTILIZER (14 10\$/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 UREA-FORM FERTILIZER (9 10\$/1000 sq ft)
 - 2) ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 10\$/1000 sq ft) AND 1000 LBS PER ACRE 10-10-10 FERTILIZER (14 10\$/1000 sq ft) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL.

- SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30 AND AUGUST 1 THRU OCTOBER 15, SEED WITH 40 LBS PER ACRE (1.4 10\$/1000 sq ft) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS OF KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS PER ACRE 1.05 10\$/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 SOU. OPTION (3) SEED WITH 50 LBS PER ACRE OF KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS PER ACRE OF WELL ANCHORED STRAW.
- MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 10\$/1000 sq ft) OF UNWEEDY SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 94\$/1000 sq ft) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES, 8 FT. OR HIGHER, USE 248 GALLONS PER ACRE (8 94\$/1000 sq ft) FOR ANCHORING.
- MAINTENANCE: INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

TEMPORARY SEEDBED PREPARATION

- 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, IF NOT PREVIOUSLY LOOSENED.
- SOIL AMENDMENTS: APPLY 600 LBS PER ACRE 10-10-10 FERTILIZER (14 10\$/1000 sq ft).
- SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU NOVEMBER 15, SEED WITH 2-1/2 BUSHELS PER ACRE OF ANNUAL RYE (1.2 10\$/1000 sq ft). FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS PER ACRE OF KEEPING LOVEGRASS (1.0 10\$/1000 sq ft). FOR THE PERIOD NOVEMBER 1 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 SOU.
- MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 10\$/1000 sq ft) OF UNWEEDY SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 94\$/1000 sq ft) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES, 8 FT. OR HIGHER, USE 248 GALLONS PER ACRE (8 94\$/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.

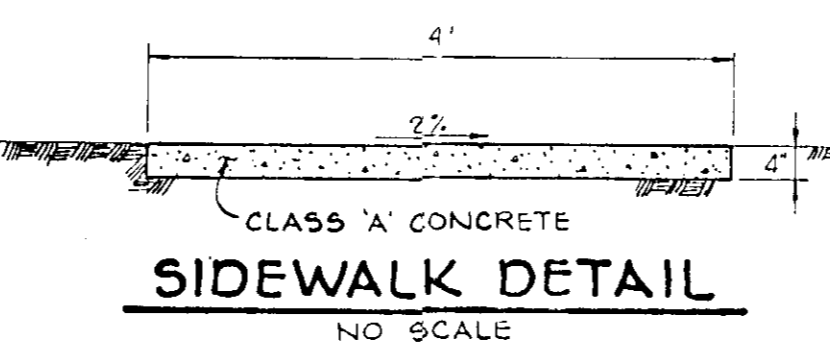


CONSTRUCTION SPECIFICATIONS FOR SILT FENCE

1. Stone used in the outlet shall be small riprap 4"-8" along with a 1" thickness of 2" aggregate placed on the up-grade side on the small riprap 4"-8" embedded filter cloth in the riprap.
2. The structure shall be inspected after each rain and repairs made as needed.
3. Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
4. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.

STONE OUTLET SEDIMENT TRAP

NO SCALE



CLASS 'A' CONCRETE SIDEWALK DETAIL

NO SCALE

BY THE DEVELOPER:
"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."
DEVELOPER: *Elizabeth E. Ebel* 10/16/90 DATE

BY THE ENGINEER:
"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."
ENGINEER: *Jim Schmitz* 10-2-90 DATE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
U.S. SOIL CONSERVATION SERVICE
James M. Hahn 10/16/90 DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
Cliff W. Schmitz 10/16/90 DATE
HOWARD S.C.D. DIRECTOR

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
Joan Zedem 11-12-90 DATE
COUNTY HEALTH OFFICER

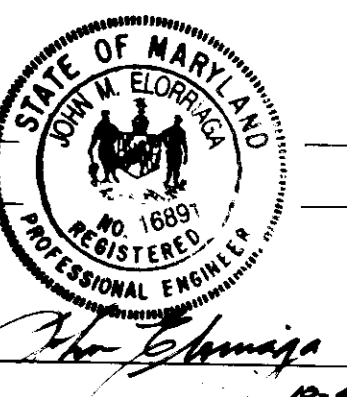
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
James J. Schmitz 11/1/90 DATE
DIRECTOR

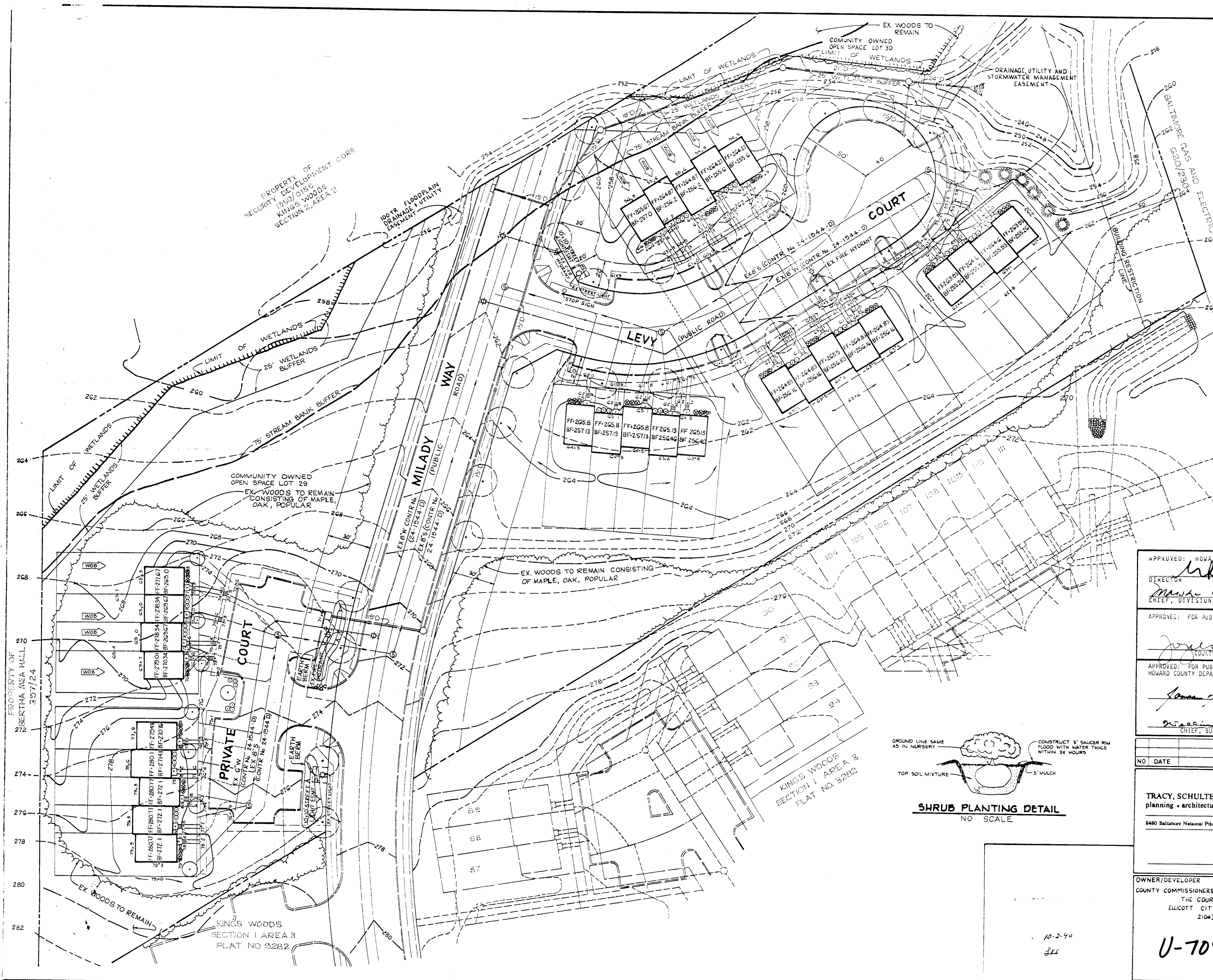
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Harsh J. Schmitz 11/16/90 DATE
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

NO	DATE	REVISION
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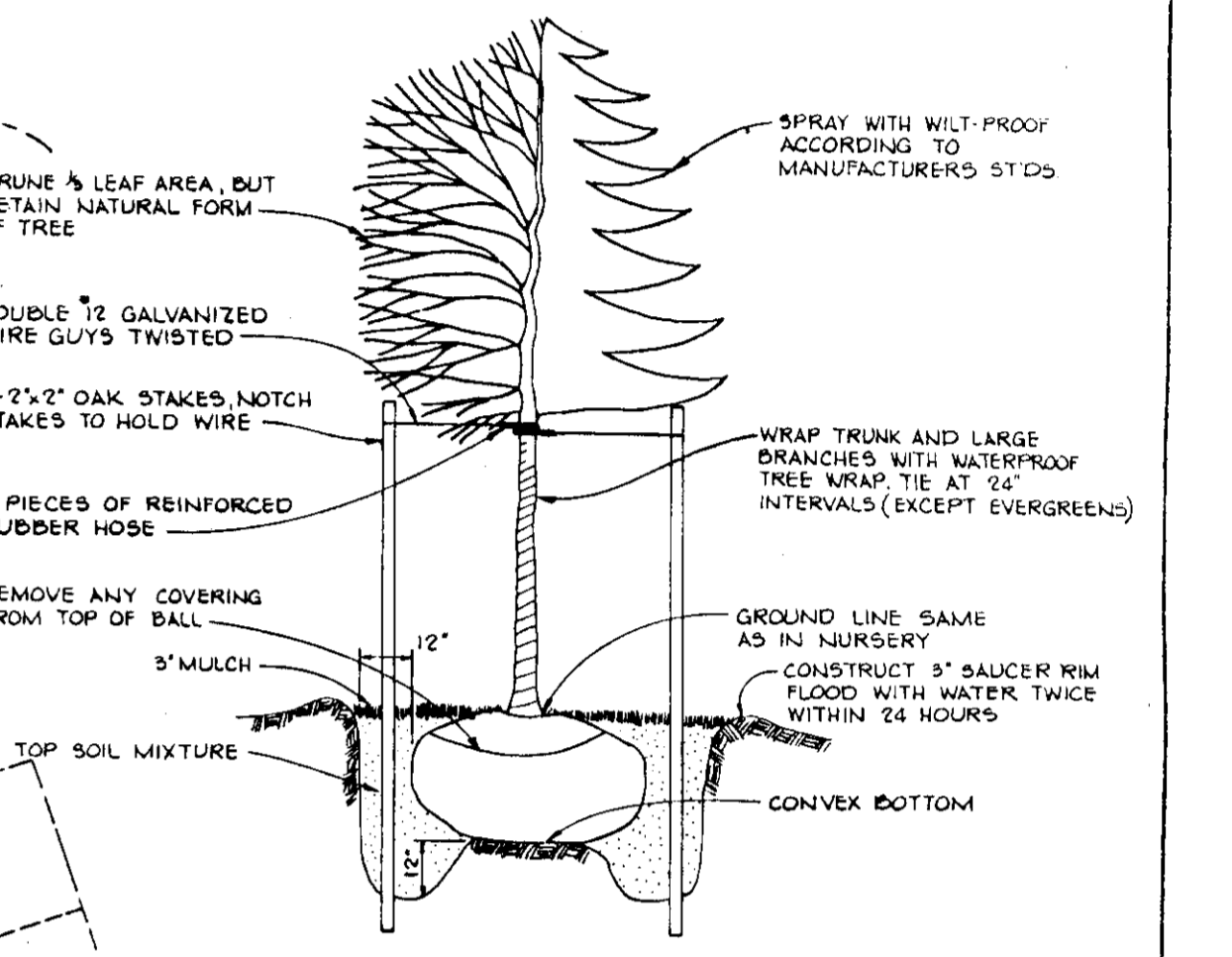
TRACY, SCHULTE & ASSOCIATES INC.
planning • architecture • engineering
8480 Baltimore National Pike • Ellicott City, Maryland 21043 • (301) 465-6105
Jim Schmitz 10-2-90

OWNER/DEVELOPER: COUNTY COMMISSIONERS OF HOWARD COUNTY THE COURT HOUSE ELLCOTT CITY, MARYLAND 21043	PROJECT HARMONY LANE HOUSING SECTION ONE LOTS 1-28
LOCATION TAX MAP NO. 47 PARCEL NO. 821 SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	TITLE DETAILS (SINGLE FAMILY ATTACHED)
DATE: JULY 10, 1990	PROJECT NO. 0273
SCALE: AS SHOWN	DRAWING 3 OF 4

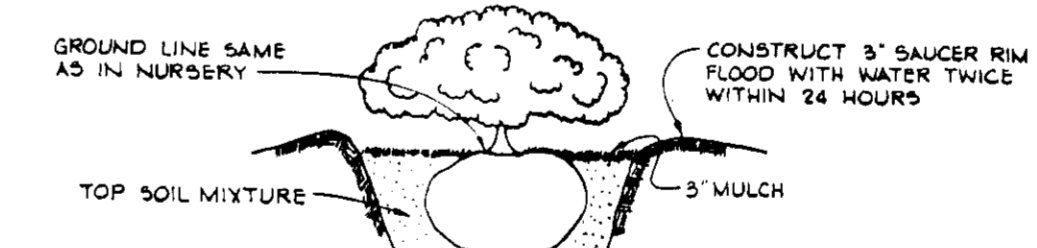




SYMBOL	QUANTITY	NAME	REMARKS
	28	PROPOSED STREET TREES APPROVED ON F89-223	
	6	PINUS STROBUS EASTERN WHITE PINE	6'-8" HT
	41	JUNIPERUS CHINENSIS SARGENT JUNIPER	18'-24" SP
	8	PYRUS CALLERYANA BRADFORD BRADFORD PEAR	8'-10" HT 8" B FULL HEAD
	40	TAXUS BACCATH REPADENS/ SPREADING ENGLISH YEW	18'-24" SP



TREE PLANTING DETAIL
NO SCALE



SHRUB PLANTING DETAIL
NO SCALE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 DIRECTOR *[Signature]* 11-21-90 DATE
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER *[Signature]* 11/19/90 DATE
 APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR *[Signature]* 11/17/90 DATE
 CHIEF, BUREAU OF ENGINEERING *[Signature]* 11-1-90 DATE

NO	DATE	REVISION

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OWNER/DEVELOPER
 COUNTY COMMISSIONERS OF HOWARD COUNTY
 THE COURT HOUSE
 ELLICOTT CITY, MARYLAND
 21043

PROJECT
HARMONY LANE HOUSING
 SECTION ONE
 LOCATION: TAX MAP No. 47 PARCEL No. 821
 SIXTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE
PLANTING PLAN
 (SINGLE FAMILY ATTACHED)
 S-89-53 WP-89-75 F-89-223 P-91-27, PB 201, PB 252
 DATE: 10-20-90 PROJECT NO. 0275

DES. DAM DRN. EJS SCALE: 1"=30' DRAWING 4 OF 4