

KING'S WOODS

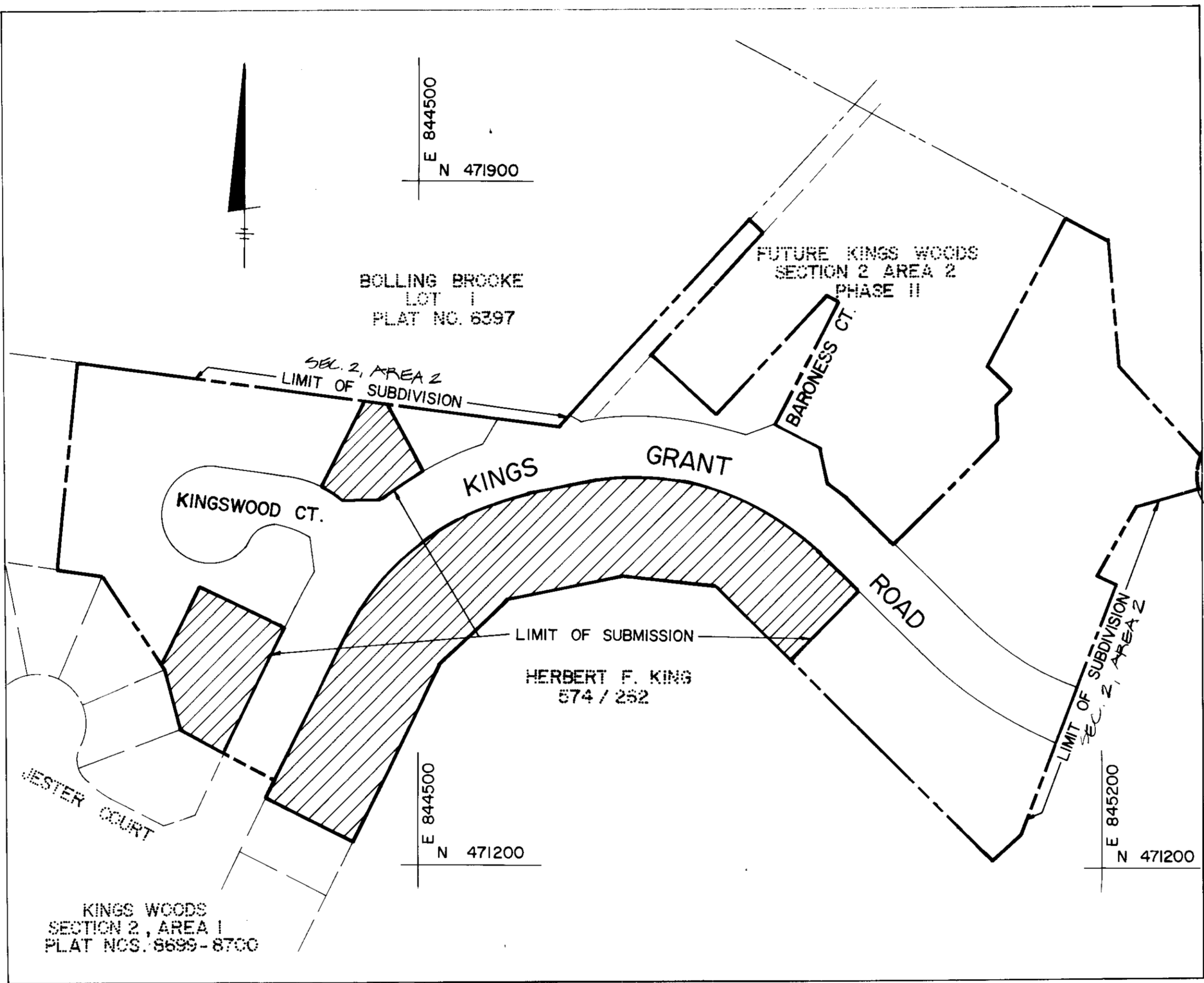
SECTION 2 AREA 2 PHASE I

6th ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

GENERAL NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, AS AMENDED IN OCTOBER 1990, E.G. "STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION" UNLESS SHOWN OTHERWISE. THE CONTRACTOR SHALL HAVE A COPY IN HIS POSSESSION AT ALL TIMES.
2. THE LOCATION OF EXISTING UTILITIES SHOWN IS APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY THE EXISTENCE, LOCATION, AND DEPTH OF ANY UTILITIES AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK.
3. NECESSARY PRECAUTIONS SHALL BE TAKEN BY THE DEVELOPER TO PROTECT EXISTING SERVICES AND MAINS. ANY DAMAGE TO THEM DUE TO HIS NEGLIGENCE SHALL BE REPAIRED IMMEDIATELY AT HIS OWN EXPENSE.
4. ALL PIPE ELEVATIONS ARE INVERT ELEVATIONS.
5. ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE PLANE GRID COORDINATE SYSTEM. ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. MEAN SEA LEVEL DATUM 1929.
6. CONTRACTOR TO NOTIFY THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS AND PERMITS AT LEAST 3 DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS. TELEPHONE NO. 313-2455.
7. CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
 - BALTIMORE GAS & ELECTRIC COMPANY - UNDERGROUND ELECTRIC DISTRIBUTION ENGINEERING - "DAMAGE CONTROL" - 234-5691
 - BALTIMORE GAS & ELECTRIC COMPANY - UNDERGROUND GAS DISTRIBUTION ENGINEERING - 559-0100
 - CHESAPEAKE AND POTOMAC TELEPHONE COMPANY - 725-9976
 - AMERICAN TELEPHONE AND TELEGRAPH - CABLE LOCATION DIVISION - 301-393-3553
 - COLONIAL PIPELINE COMPANY - 781-4641
 - BUREAU OF UTILITIES - 313-4900
8. THE DEVELOPER SHALL RESTORE ALL EXISTING PAVING, SIDEWALKS, OR LAWNS AFFECTED BY CONSTRUCTION SHOWN HEREON TO A CONDITION COMPARABLE TO THAT EXISTING PRIOR TO CONSTRUCTION.
9. THE DEVELOPER SHALL REMOVE ALL TREES, STUMPS, AND ROOTS ALONG THE LIMIT OF EXCAVATION. ALL OTHER TREES AND SHRUBS SHALL BE PROTECTED TO THE MAXIMUM EXTENT POSSIBLE.
10. ALL DISTURBED SLOPE AREAS TO BE STABILIZED AS SOON AS GRADING IS COMPLETED.
11. ALL SWALES AND SLOPES SHALL BE PERMANENTLY SEEDDED UNLESS OTHERWISE NOTED. SEED SPECIFICATIONS ARE ON THE PLANS.
12. ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING, UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS, STANDARD DETAIL W.3.2.
13. WATER MAINS AND WATER HOUSE CONNECTION LINES MUST BE PLACED SO AS TO HAVE AT LEAST ONE (1) FOOT VERTICAL SEPARATION FROM THE SEWER MAIN OR SEWER HOUSE CONNECTION AS THEY CROSS ABOUT.
14. ALL SEWER MAINS SHALL BE C.S.P.P., V.C.P.X. OR P.V.C. UNLESS OTHERWISE NOTED.
15. ALL UTILITIES SHALL HAVE A MINIMUM CLEARANCE OF TWELVE INCHES (12") UNLESS OTHERWISE NOTED. ALL POLES SHALL HAVE A MINIMUM HORIZONTAL CLEARANCE OF TWO FEET (2').
16. ALL TOPOGRAPHIC DETAILS ARE BASED ON FIELD SURVEYS PERFORMED BY TRACY, SHULTE & ASSOC. DATED JAN. 23, 1989.
17. MINIMUM BUILDING SETBACK RESTRICTIONS FROM PROPERTY LINES AND RIGHTS-OF-WAY OF ANY PUBLIC ROADS WILL BE IN ACCORDANCE WITH KING'S WOODS 2ND PHASE I (91-67).
18. STORMWATER MANAGEMENT FOR QUANTITY CONTROL IS PROVIDED BY THE REGIONAL FACILITY IN THE TOWNSHIP BRANCH WEST OF BROKEN BRANCH AND
19. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING SYSTEM.
20. FOR WATER AND SEWER INFORMATION SEE CONTRACT NO. 24-3129-D 824-1855-D.
21. DRAINAGE AREA, STORMWATER MANAGEMENT AND STORM DRAIN COMPUTATIONS PROVIDED UNDER KING'S WOODS 2ND PHASE I (91-67).
22. SECTION 12B OF THE ZONING REGULATIONS ALLOWS FIREPLACE CHIMNEYS, OPEN OR ENCLOSED, NOT TO PROJECT MORE THAN 10 FEET INTO THE REQUIRED FRONT OR REAR YARD BRL'S.
23. SECTION 12B OF THE ZONING REGULATIONS ALLOWS FIREPLACE CHIMNEYS AND BAY WINDOWS, NOT MORE THAN 10 FEET IN WIDTH, TO PROJECT NOT MORE THAN 4 FEET INTO ANY REQUIRED YARD BRL.

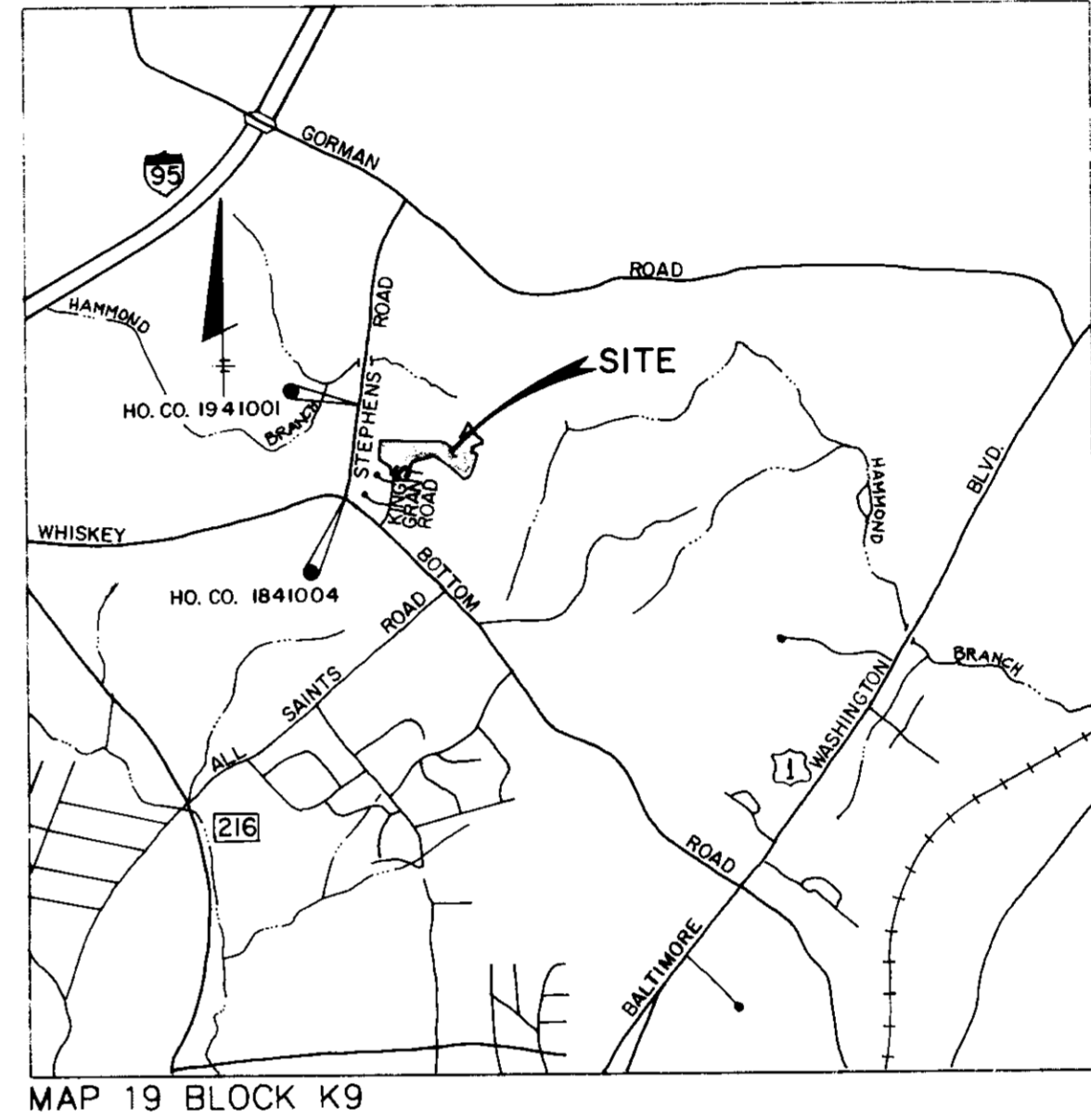


LOCATION MAP
SCALE: 1" = 100'

TYPE OF BUILDING: SINGLE FAMILY DETACHED	
NUMBER OF LOTS:	14
NO. OF WATER HOUSE CONNS:	14
NO. OF SEWER HOUSE CONNS:	14
DRAINAGE AREA:	LITTLE PATENT

WATER AND SEWER CODE	
SEWER CODE:	7520000
WATER CODE:	003

SHEET INDEX	
SHEET NO.	DESCRIPTION
1.	TITLE SHEET
2.	SITE DEVELOPMENT PLAN
3.	SITE PLAN DETAILS

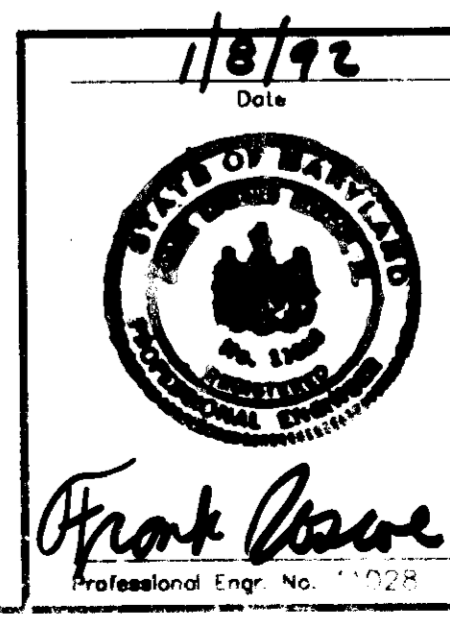


VICINITY MAP
SCALE: 1" = 2000'

HOWARD COUNTY BENCH MARK NO. 1841004	ELEV. 295.324
REBAR 6"± SOUTH OF SOUTH EDGE OF WHISKEY BOTTOM ROAD NEAR THE INTERSECTION OF STEPHENS ROAD.	
N 471079.018	E 843657.878
HOWARD COUNTY BENCH MARK NO. 1941001	ELEV. 277.873
REBAR 4"± WEST EDGE OF STEPHENS ROAD IN FRONT OF HOUSE NO. 8820 0.3' BELOW SURFACE.	
N 472223.119	E 843797.549

SITE ANALYSIS

1. AREA OF LOTS (177,178,187,189-200): 41,260 SF, 2.10 AC.
2. SUBJECT PROPERTY ZONED R-SC PER 8-2-85 COMPREHENSIVE ZONING PLAN
3. ALL STRUCTURES ARE TO BE SINGLE FAMILY DETACHED HOMES
4. MAXIMUM BUILDING COVERAGE ALLOWED: 40%
5. TOTAL # OF UNITS PROVIDED: 14
6. OPEN SPACE IS PROVIDED BY LOT 194. THERE IS 0.05 ACRES (1985 SF) OF OPEN SPACE ON THIS SUBMISSION, WHICH IS 2% OF THE TOTAL AREA OF PHASE I.
7. NUMBER OF PARKING SPACES PROVIDED: 28



John Sord 3/6/92

WE CERTIFY THAT ALL DEVELOPMENT SHOWN ON THESE PLANS WILL BE DONE ACCORDING TO THE PLAN AND THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE DEPARTMENT OF THE ENVIRONMENT AND PLANNING AND ZONING DEPARTMENT OF THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS BEFORE COMMENCING CONSTRUCTION.

SIGNATURE OF THE OWNER:
ROB MACKKERCHER

BY THE ENGINEER:
I CERTIFY THAT THIS PLAN AND CONSTRUCTION CONTRACT REPRESENTS A TRUE AND ACCURATE STATEMENT OF THE DESIGN AND CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY DEPARTMENT OF THE ENVIRONMENT AND PLANNING AND ZONING DEPARTMENT.

Frank A. Rose 1/8/92
SIGNATURE OF THE ENGINEER
FRANK A. ROSE

DEPARTMENT OF PUBLIC WORKS
APPROVED FOR PUBLIC WATER, SEWER & STORM DRAINS, AND PUBLIC ROADS

James J. ... 2/6/92
DIRECTOR

William S. ... 2-25-92
CHIEF, BUREAU OF ENGINEERING

DEPARTMENT OF PLANNING AND ZONING

Joseph S. ... 3/17/92
DIRECTOR

Anna Kilomath 3/18/92
CHIEF, DIV. OF COMM. PLAN. & LAND DEV.

THESE PLANS HAVE BEEN REVIEWED AND APPROVED BY THE U.S. SOIL CONSERVATION DISTRICT FOR COMPLIANCE WITH THE REQUIREMENTS FOR SOIL EROSION AND SEDIMENTATION CONTROL BY THE HOWARD COUNTY DISTRICT.

James M. ... 2/10/92
U.S. SOIL CONSERVATION DISTRICT

THIS DEVELOPMENT PLAN IS APPROVED FOR SEDIMENT CONTROL BY THE HOWARD COUNTY DISTRICT.

John J. ... 2/24/92
HOWARD COUNTY

Date	No.	Revision Description

OWNER/DEVELOPER:
FRANK A. ROSE
9975 GOLFVIEW ROAD
COLUMBIA, MARYLAND 21046

CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS, PLANNERS
32 WEST ROAD
TOWSON, MARYLAND 21284 832-2070

AREA: KING'S WOODS PHASE I

REFERENCES: S. 89-29, 1984, 24, 1984, S. F-91-67

TITLE: SITE DEVELOPMENT PLAN
6TH ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND

Drawn By: [Blank] Scale: AS SHOWN
Date: 1/8/92
Checked By: [Blank]
Professional Eng. No. 11028

SYMBOL	QUANTITY	NAME	REMARKS
	12	PINUS STROBUS WHITE PINE	5'-6' UNSHARED
	5	QUERCUS BOREALIS RED OAK	2 1/2 MIN CAL. B#B
TOTAL	17		

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ENVIRONMENT APPROVED TRAINING

ROB MACKKERCHER

Frank E. Coscarf 1/8/92

APPROVED FOR PUBLIC WATER, SEWER & STORM DRAINS,
AND PUBLIC ROADS

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DIRECTOR

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CHIEF, BUREAU OF ENGINEERING CD 2/25/92

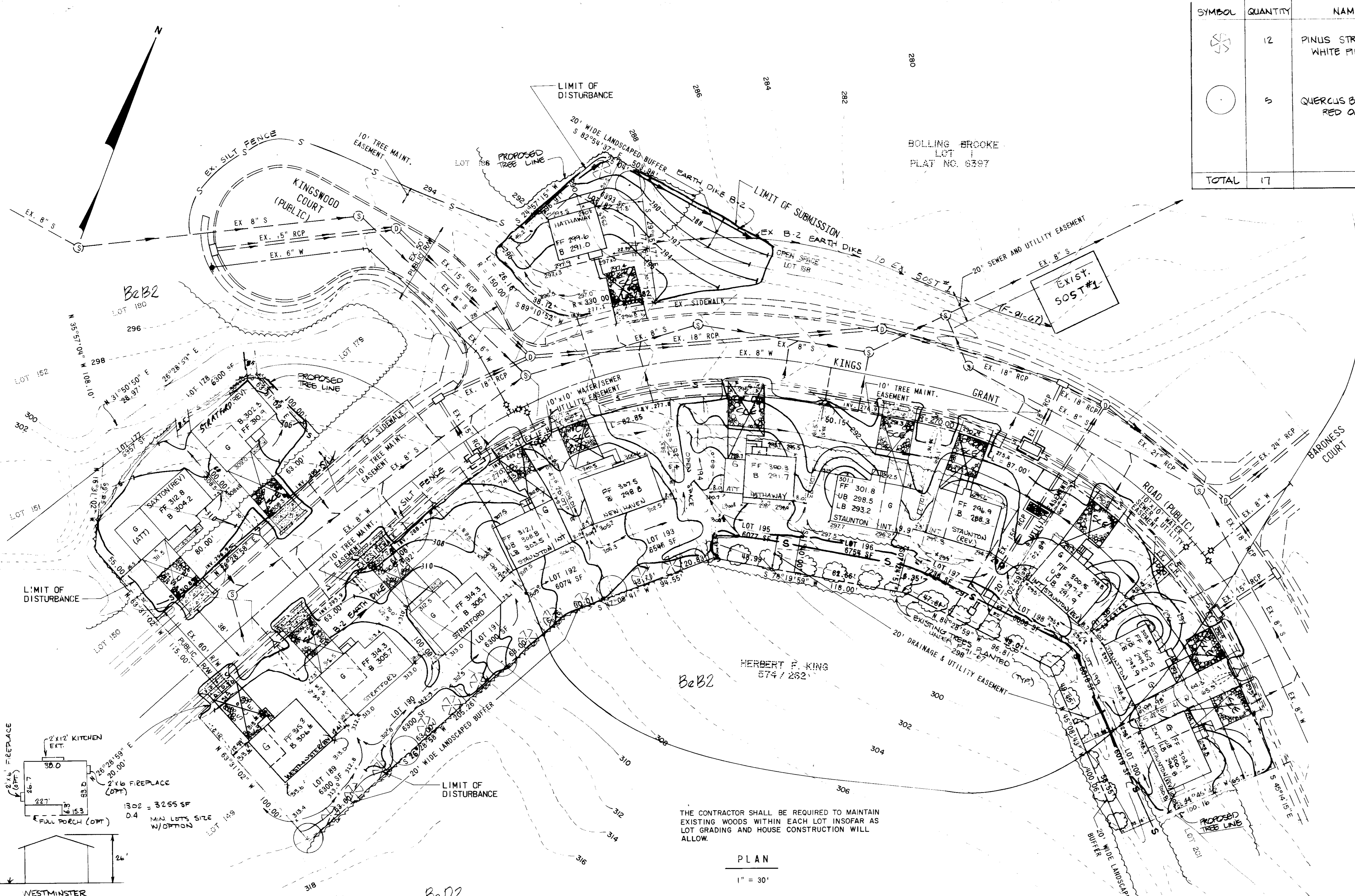
DEPARTMENT OF PLANNING AND ZONING
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DIRECTOR

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CHIEF, DIV. OF COMM. PLAN. & LAND DEV.

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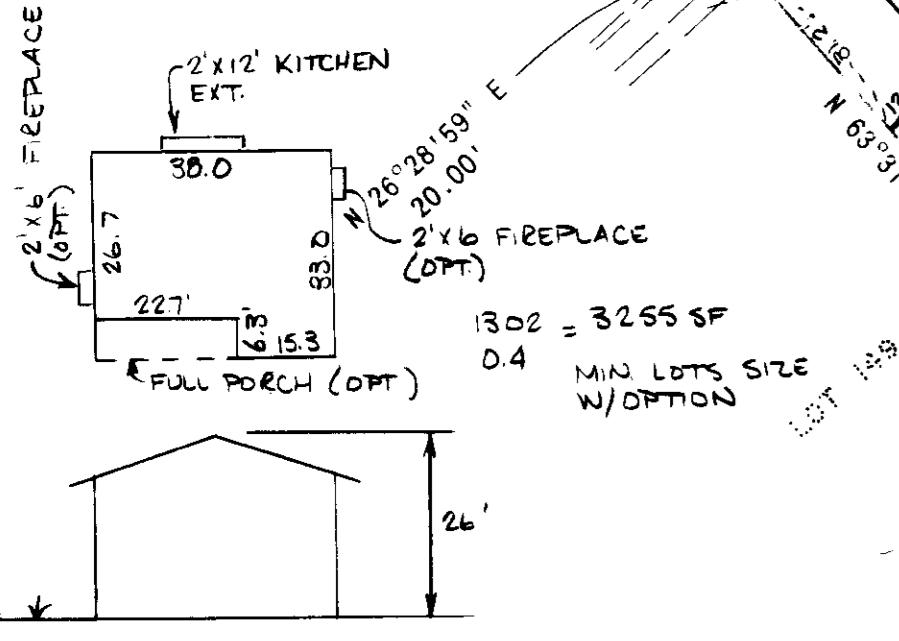
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- 6-4-92 LOT 189 REVISED SETBACKS TO WESTMINSTER
- 5-4-92 ADDED TYPICAL WORKS
- 5-4-92 REPAIR HOUSE ON LOTS 187, 190, 192, 195, 196



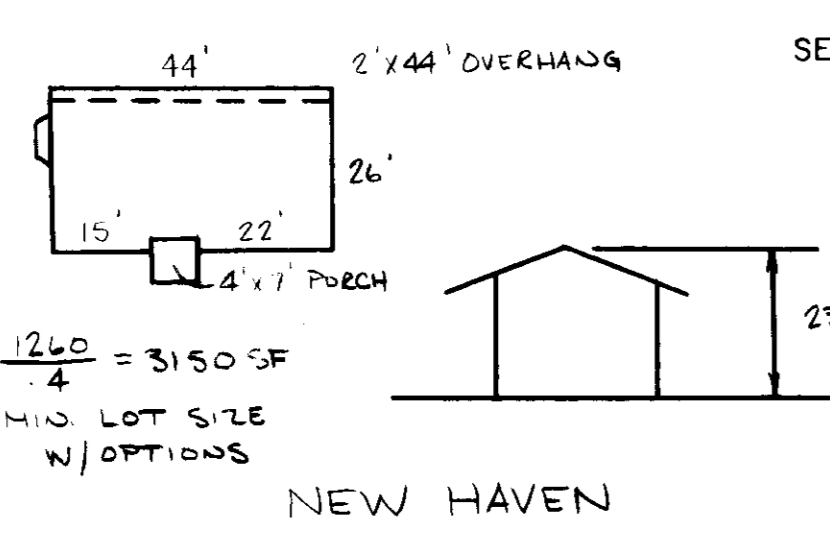
THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN EXISTING WOODS WITHIN EACH LOT INSOFAR AS LOT GRADING AND HOUSE CONSTRUCTION WILL ALLOW.

PLAN
1" = 30'

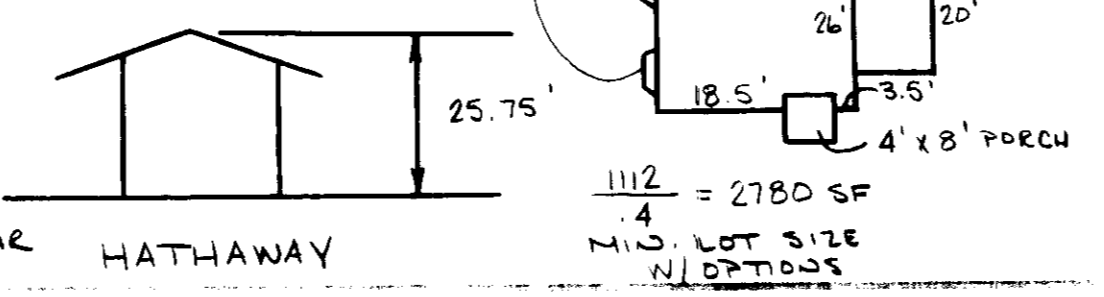


LOT NO.	STREET ADDRESS
177	9584 King Grant Road
178	9580
187	9570
189	9587
190	9589
191	9579
192	9575
193	9571
195	9567
196	9563
197	9559
198	9555
199	9551
200	9547

SOILS TYPE	DESCRIPTION
BeB2	Beltsville Silt Loam 1 to 5% slopes moderately eroded
BeC2	" " " " 5 to 10% slopes
BeD2	" " " " 10 to 15% slopes



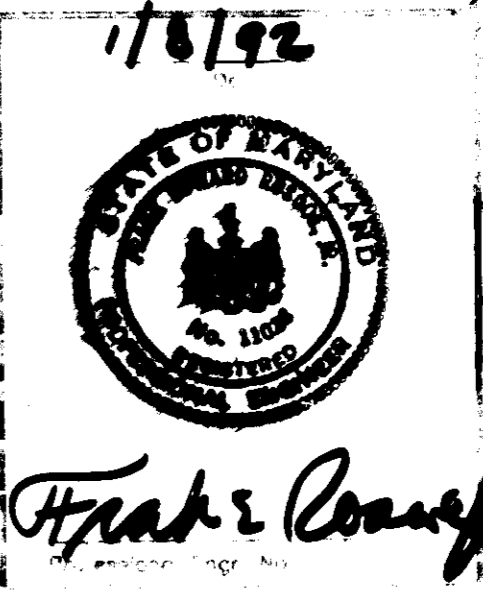
- SEDIMENT CONTROL NOTES:
- BUILDER TO MAINTAIN AND/OR REFURBISH EX. EARTH DIKES AND OFFSITE BASINS AND TRAPS DESIGNED UNDER PLAN F-91-67 FOR USE THROUGHOUT THIS PROJECT AND SHALL INSURE POSITIVE DRAINAGE AT ALL TIMES.
 - INSTALL SOD IN ALL SWALE AREAS AS DIRECTED IN PLAN F-91-67.

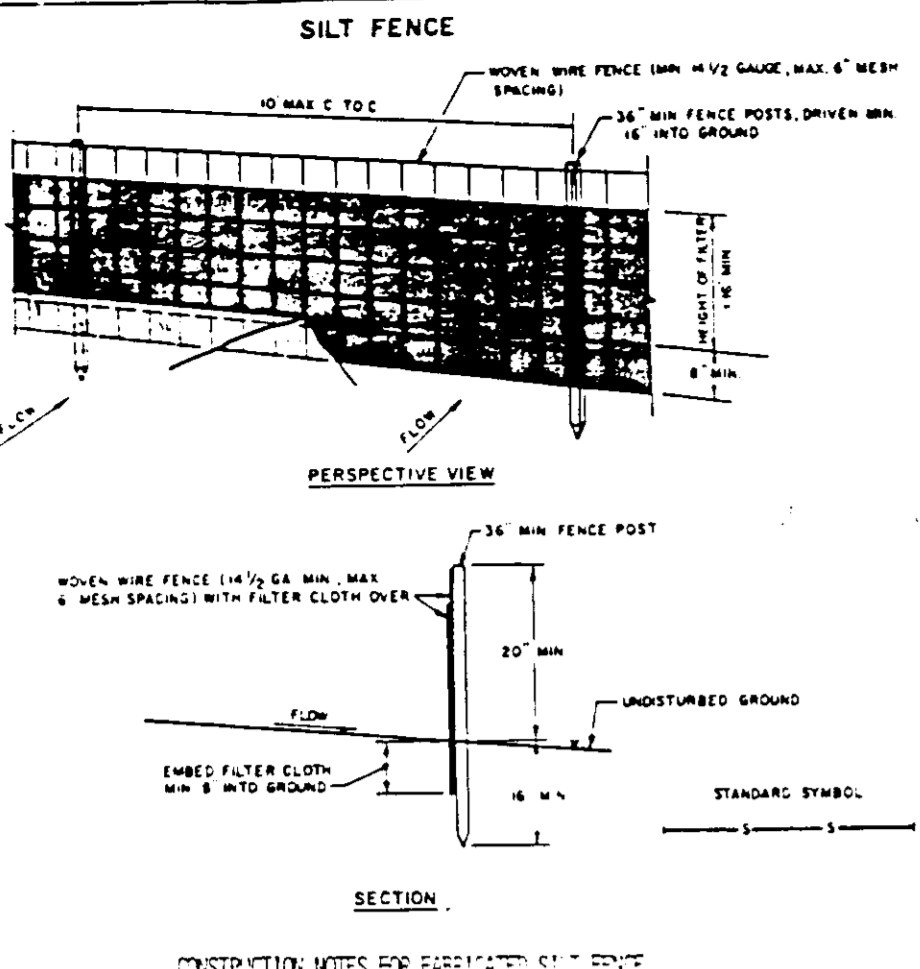


- NOTES:
- OPEN SPACE LOTS 188 AND 194 ARE TO BE DEEDDED TO HOWARD COUNTY DEPARTMENT OF RECREATION & PARKS.
 - NO WETLANDS ARE LOCATED WITHIN THIS SECTION OF THE SITE PLAN SUBMISSION.
 - VEGETATIVE ANALYSIS: THE VEGETATION ON THIS SITE CONSIST OF MATURE DECIDUOUS HARDWOODS WITH SOME WOODY UNDERBRUSH.

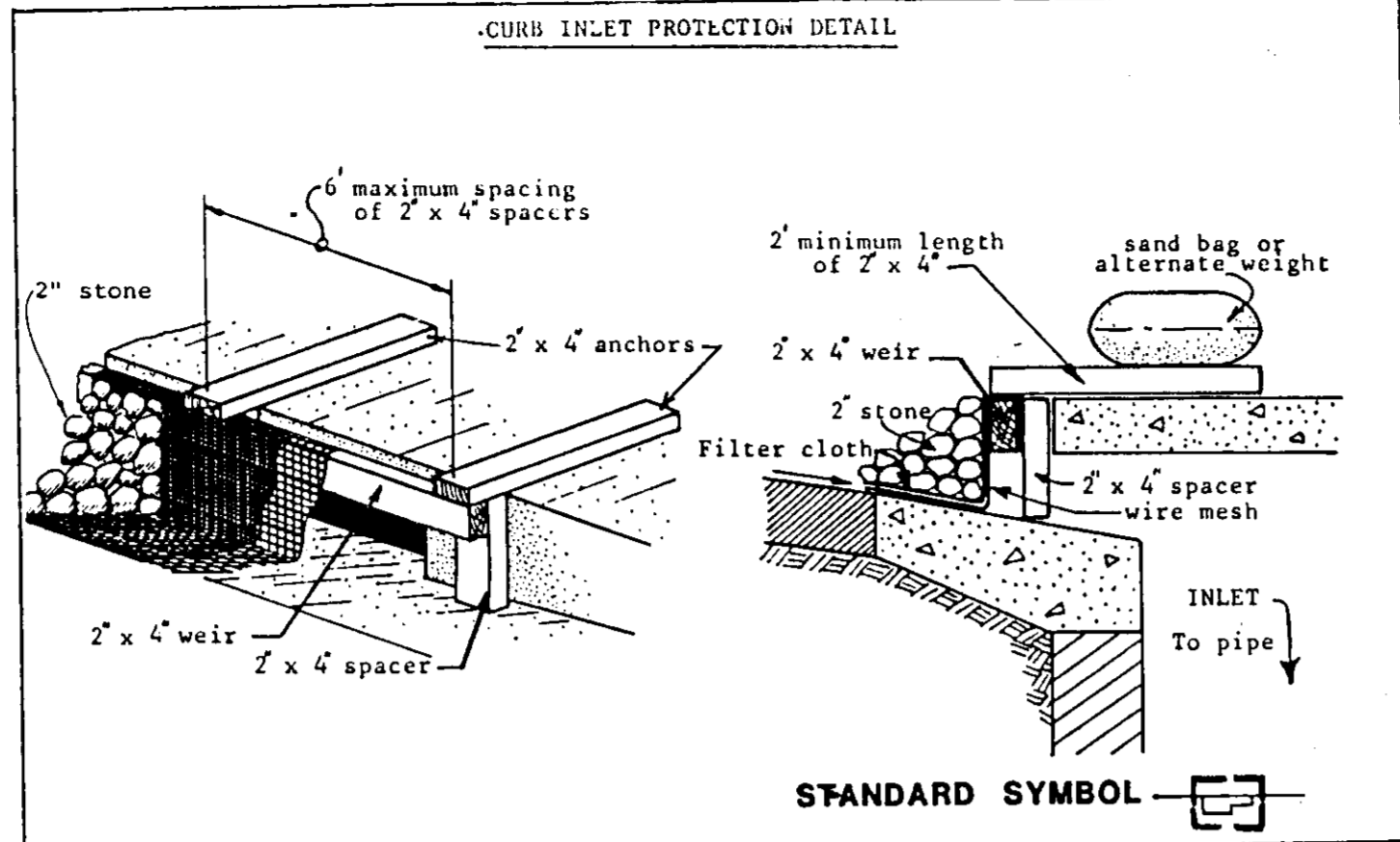
- SETBACK NOTES:
- FRONT YARD SETBACKS ARE 30' (TYP.) UNLESS NOTED OTHERWISE.
 - REAR YARD SETBACKS ARE 30' (TYP.) UNLESS NOTED OTHERWISE.
 - SIDE YARD SETBACKS ARE 7.5' (TYP.) UNLESS NOTED OTHERWISE.

SUBDIVISION NAME KING'S WOODS	SECTION/AREA 2/2	LOTS/PARCELS 177, 178, 187-193, 200
PLAT NO. 1043-1045	BLK. NO. 15	ZONE R-SC
TAX MAP NO. 47	ELECTION DIST. 6th	CENSUS TRACT 6069.02
WATER CODE C03	SEWER CODE 7320000	

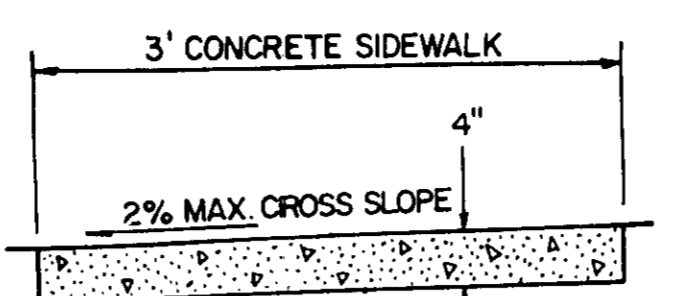




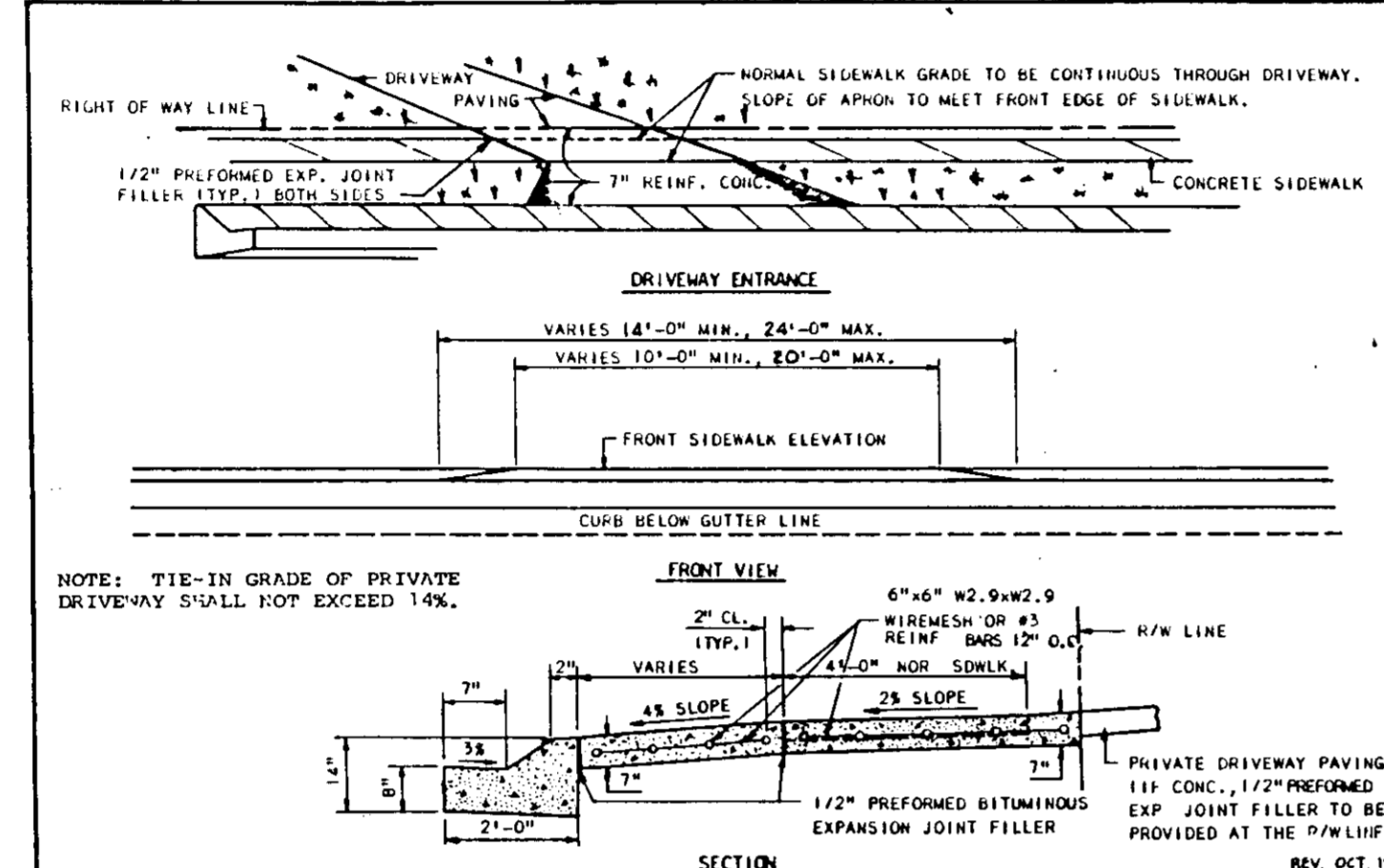
1. MOVIE WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO MOVIE WIRE FENCE WITH WIRE TIES OR STAPLES EVERY 24" AT TOP AND MID SECTION.
3. WHEN THE SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND TACKLED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "MUSHES" DEVELOP IN THE SILT FENCE.



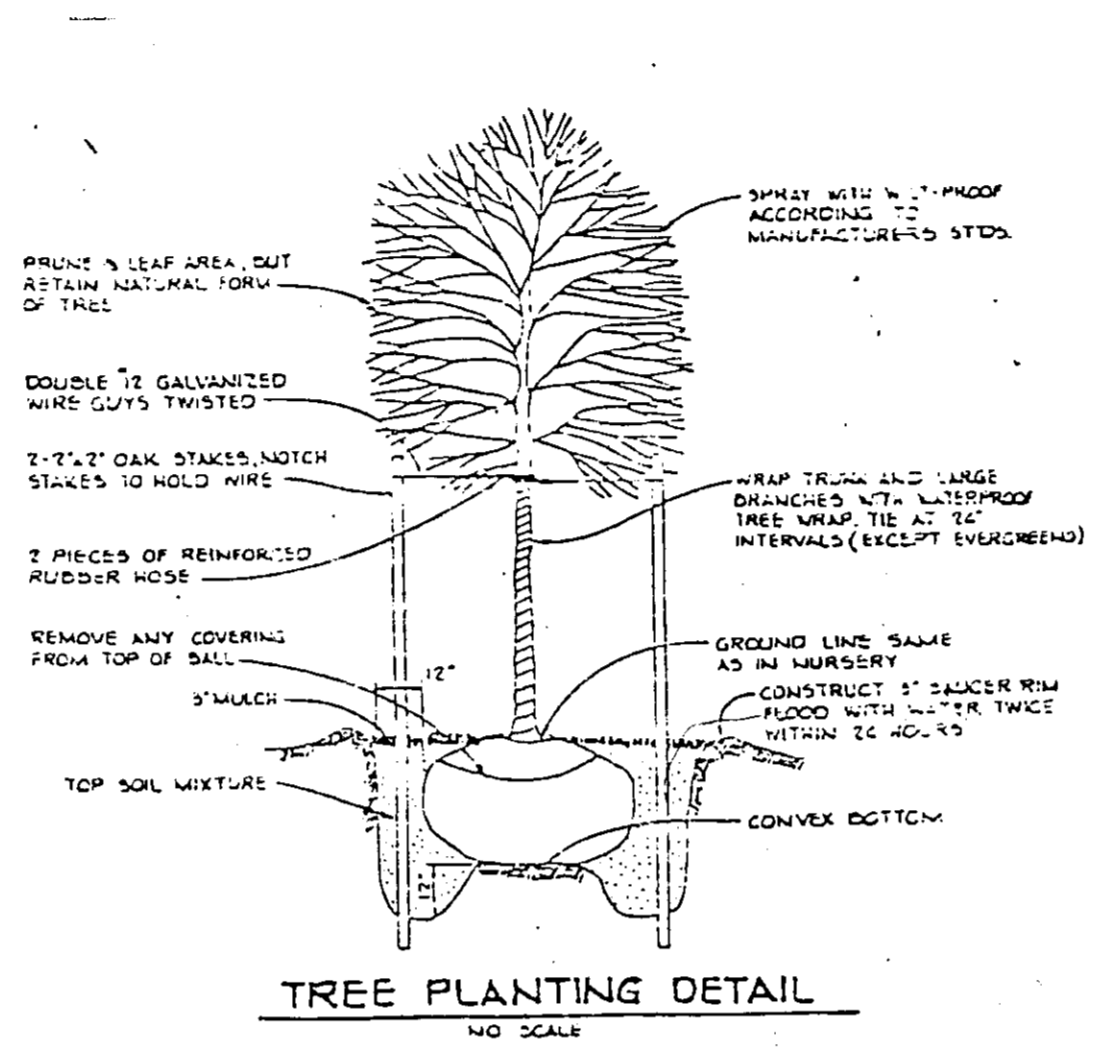
U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE COLLEGE PARK, MARYLAND INLET PROTECTION DETAIL STANDARD DRAWING IPD-1



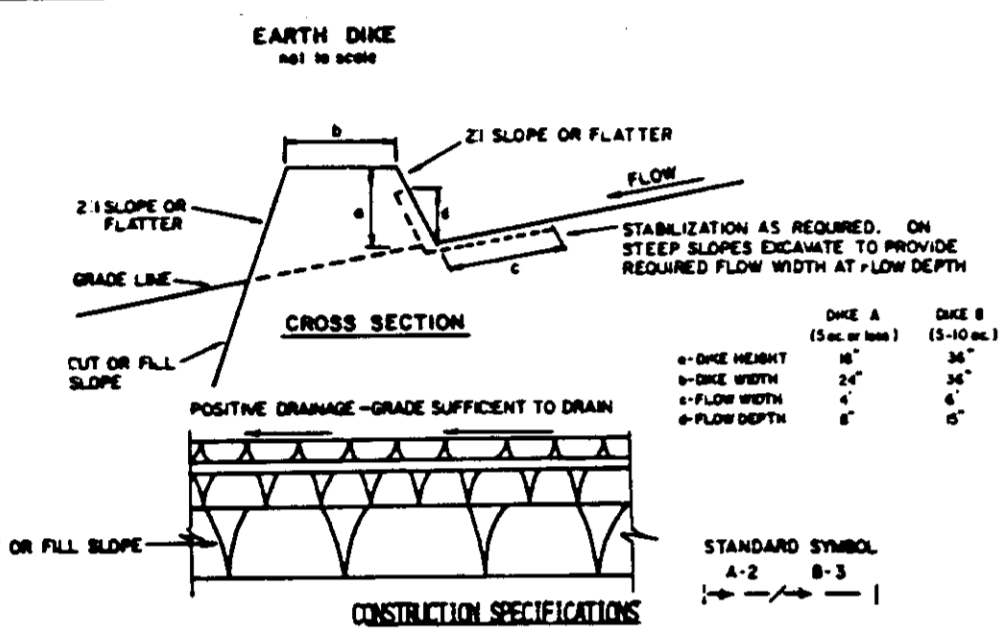
- NOTES:
1. SIDEWALK TO BE SCRIBED IN 5' MAX. SQUARES.
 2. EXPANSION JOINTS ACROSS THE SIDEWALK NOT TO BE THAN 15' APART.
 3. 1/2" PREFORMED BITUMINOUS EXPANSION MATERIAL IN EXPANSION JOINTS TO BE KEPT 1/4" BELOW SURFACE OF SIDEWALK.
 4. CONCRETE TO BE MIX NO. 2.



HOWARD COUNTY, MARYLAND DEPARTMENT OF PUBLIC WORKS RESIDENTIAL DRIVEWAY ENTRANCE CLOSED SECTION WITH MODIFIED COMBINATION CURB AND GUTTER AND SIDEWALK REV. JAN 1989

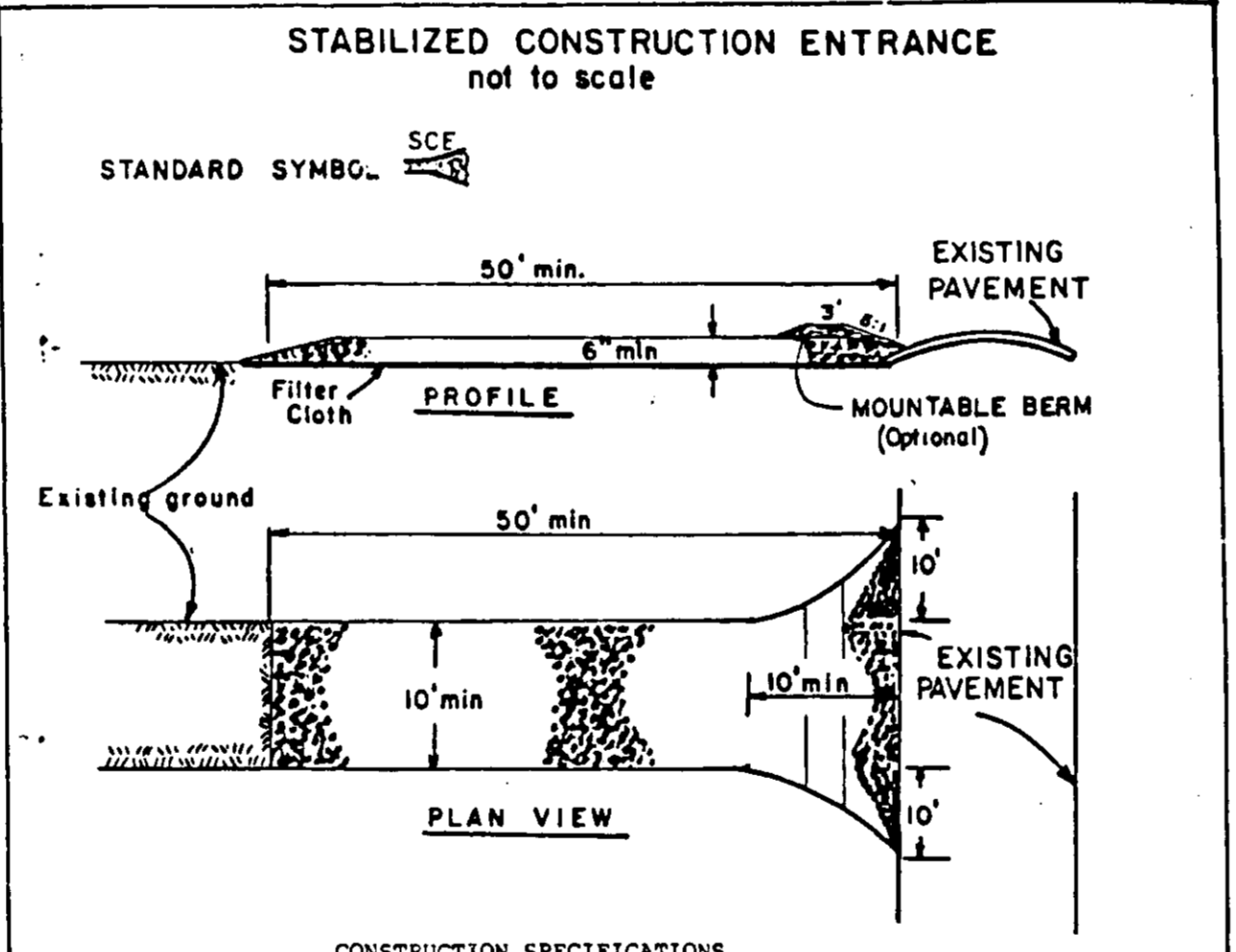
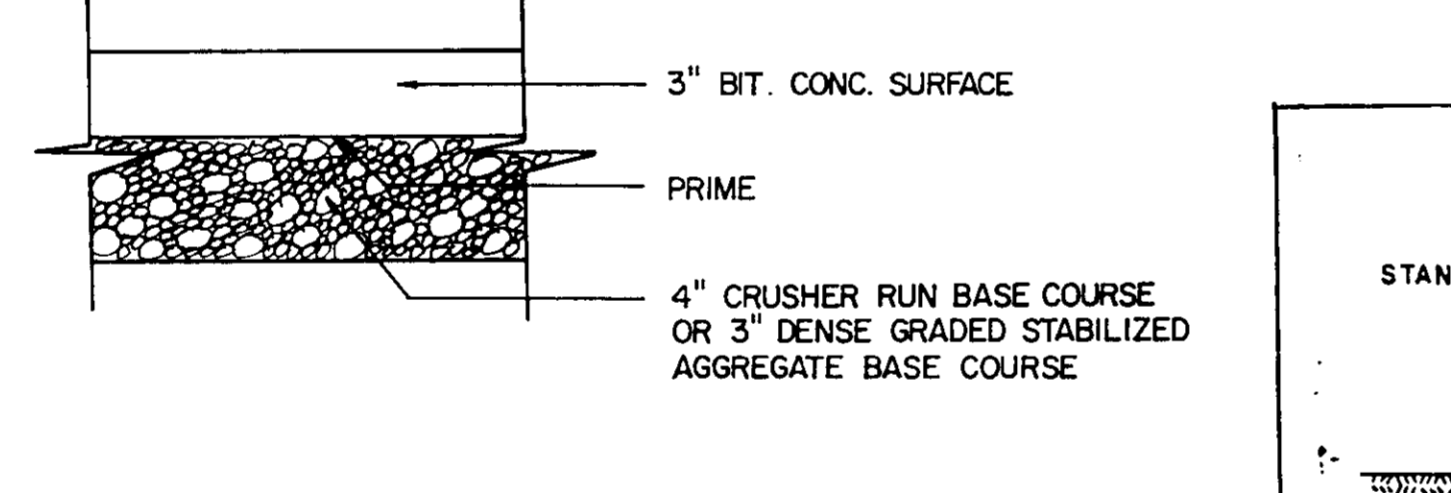


TREE PLANTING DETAIL NO SCALE



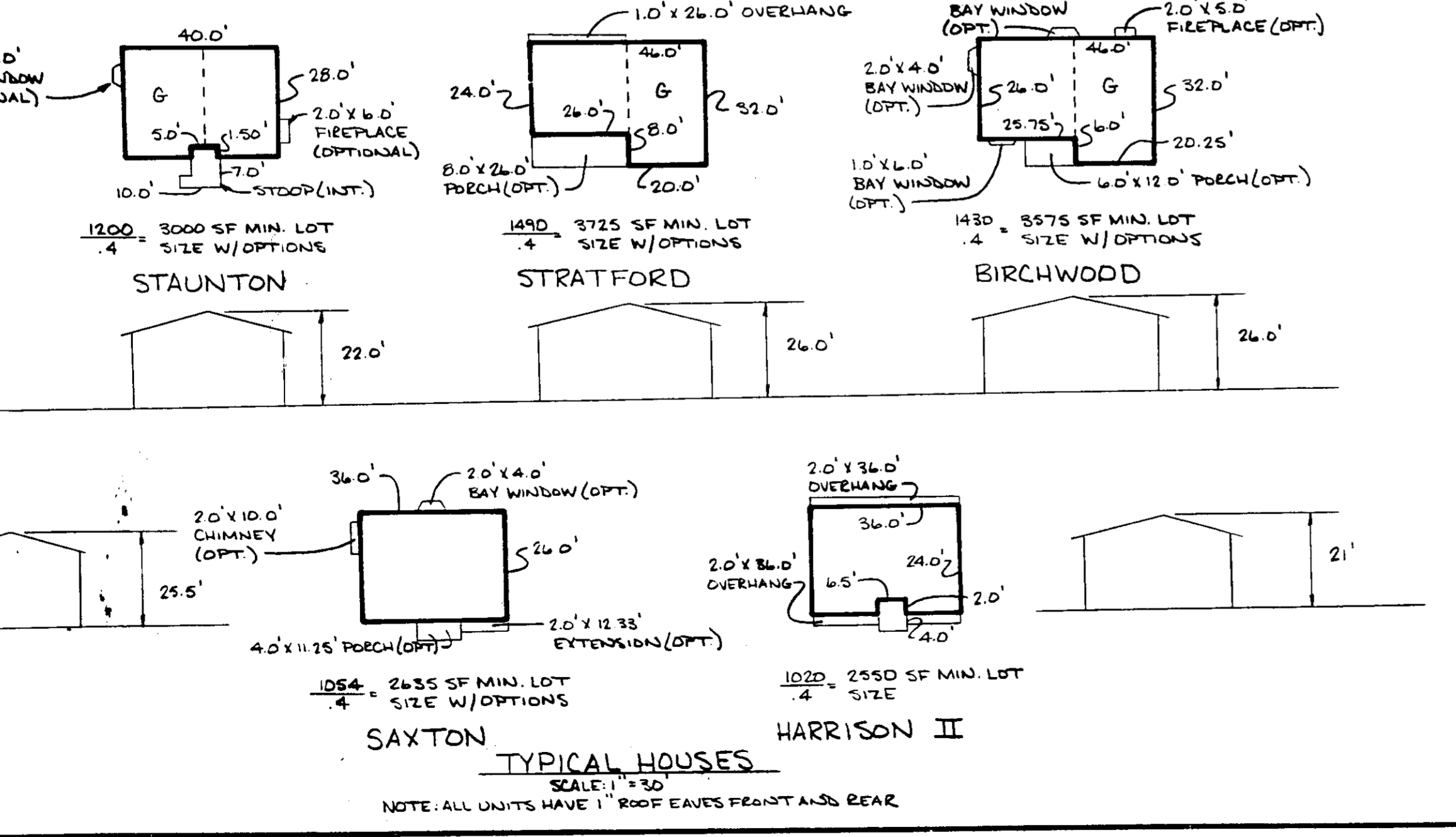
1. ALL DIKES SHALL BE CONSTRUCTED BY EARTHMOVING EQUIPMENT.
2. ALL DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
3. TOP WIDTH MAY BE VARIOUS AND SLOPES MAY BE FLATTER IF DESIRED TO FACILITATE PASSING BY CONSTRUCTION TRAFFIC.
4. FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SAFE OUTLET.
5. EARTH DIKES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION. PLAN OF FIELD 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 SEPARATELY STABILIZED.
6. 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	CHANNEL SIZE	DIKE A	DIKE B
1	5-3.0E	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1-5.0E	SEED AND STRAW MULCH	SEED USING LIME, OR EXPOSURE; SOIL: 2" STONE
3	5.1-8.0E	SEED WITH LIME, OR SOIL: 2" STONE	LINED RIP-RAP 4-8"
4	8.1-20E	LINED RIP-RAP 4-8"	ENGINEERING DESIGN



- CONSTRUCTION SPECIFICATIONS
1. Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent.
 2. Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
 3. Thickness - Not less than six (6) inches.
 4. Width - Ten (10) foot 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 required on a single family residence lot.
 6. Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable beam with 5:1 slopes will be permitted.
 7. 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 cleanout of any measures used to trap sediment. All sediment spilled, 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.

U. S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE College Park, Md. STABILIZED CONSTRUCTION ENTRANCE Standard Drawing SCE-1



TYPICAL HOUSES SCALE: 1" = 30' NOTE: ALL UNITS HAVE 1" ROOF EAVES FRONT AND REAR

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 LBS./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 (3.2 LBS./1000 SQ. FT.). FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS. PER ACRE OF WEEPING LOVEGRASS (.07 LBS./1000 SQ. FT.). FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOD.

MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ. FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL./1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL./1000 SQ. FT.) FOR ANCHORING.

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

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 LBS./1000 SQ. FT.) AND 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS./1000 SQ. FT.)
- 2) ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1000 SQ. FT.) AND 1000 LBS. PER ACRE 10-10-10 FERTILIZER (23 LBS./1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL.

SEEDING: FOR THE PERIODS MARCH 1 THRU APRIL 30 AND AUGUST 1 THRU OCTOBER 15, SEED WITH 60 LBS. PER ACRE (1.4 LBS./1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS. OF KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS. PER ACRE (.05 LBS./1000 SQ. FT.) OF WEEPING 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 SOD. OPTION (3) SEED WITH 60 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 LBS./1000 SQ. FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL./1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL./1000 SQ. FT.) FOR ANCHORING.

MAINTENANCE: INSPECT ALL SEEDBED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

SEDIMENT CONTROL NOTES

- 1) A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS TO THE START OF ANY CONSTRUCTION (313-2437).
- 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 (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.
- 6) 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.
- 7) SITE ANALYSIS:

TOTAL AREA OF SITE	2.2 ACRES
AREA DISTURBED	1.9 ACRES
AREA TO BE ROOFED OR PAVED	0.6 ACRES
AREA TO BE VEGETATIVELY STABILIZED	1.3 ACRES
TOTAL CUT	4000 CU. YDS.
TOTAL FILL	500 CU. YDS.

 OFFSITE WASTE/BORROW AREA LOCATION - WASTE LOCATION TO BE DETERMINED AND VERIFIED BY SEDIMENT AND EROSION CONTROL INSPECTOR.
- 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.

SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT.
2. PRE-CONSTRUCTION MEETING WITH SEDIMENT CONTROL INSPECTOR.
3. INSTALL EARTH DIKE, SILT FENCE AND INLET PROTECTION AS INDICATED ON THE DRAWINGS AND MAINTAIN EXIST. SEDIMENT CONTROLS.
4. BEGIN LOT GRADING AND HOUSE CONSTRUCTION. MAINTAIN EXISTING EARTH DIKE ON SOUTH SIDE OF KING'S GRANT ROAD TO THE FULLEST EXTENT POSSIBLE TO DIVERT CLEAN WATER FROM OFF-SITE AREAS THROUGH DISTURBED AREAS.
5. STABILIZE ALL DISTURBED AREAS WITH APPROPRIATE SEEDING.
6. UPON THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE THE REMAINING SEDIMENT CONTROL DEVICES AND STABILIZE ALL DISTURBED AREAS WITH PERMANENT SEEDING.

1/8/92 Date

 Frank E. Roscoe
 Professional Engr. No. 11078

APPROVED: FOR PUBLIC WATER AND SEWERAGE SYSTEMS IN CONFORMANCE WITH THE MASTER PLAN OF WATER AND SEWERAGE FOR HOWARD COUNTY.

John G. ...
 COUNTY HEALTH OFFICER DATE 3/6/92

BY THE DEVELOPER:
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONAL 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.

SIGNATURE OF THE DEVELOPER DATE
 ROB MACKKERCHER

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 COUNTY CONSERVATION DISTRICT.
Frank E. Roscoe
 SIGNATURE OF THE ENGINEER DATE 1/8/92
 FRANK E. ROSCOE

DEPARTMENT OF PUBLIC WORKS APPROVED FOR PUBLIC WATER, SEWER & STORM DRAINS, AND PUBLIC ROADS

James J. ...
 DIRECTOR DATE 2/26/92

James J. ...
 CHIEF, BUREAU OF ENGINEERING DATE 2/25/92

DEPARTMENT OF PLANNING AND ZONING
James J. ...
 DIRECTOR DATE 3/19/92

Anna M. ...
 CHIEF, DIV. OF COMM. PLAN AND LAND DEV. DATE 3/18/92

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD COUNTY CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

James M. ...
 U.S. SOIL CONSERVATION DISTRICT DATE 2/6/92

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

Stacy W. ...
 HOWARD S.C.D. DATE 2/1/92

Date	No	Revision Description

OWNER/DEVELOPER

RYAN HOMES
 BALTIMORE - SOUTH DIVISION
 9175 GULFORD ROAD
 COLUMBIA, MARYLAND 21046

CENTURY ENGINEERING, INC.
 CONSULTING ENGINEERS, PLANNERS
 82 WEST ROAD
 TOWSON, MARYLAND 21284 803-8070

AREA KING'S WOODS
 SECTION 2 AREA 2 PHASE I
 LOTS 177-178, 187, 189-200

REFERENCES: S-89-29, PB-247, P-90-13 F-9-67

TITLE SITE DETAILS
 6th ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND
 TAX MAP 47 PARCELS 138, 139, 140, & 857
 Date By M.E.P. Scale AS SHOWN Proj No 91-045
 Drawn By J.L.B. Date AUGUST 1991 DRAWING NO
 Check By R.F.M. Approved F.E.R. 3 OF 3