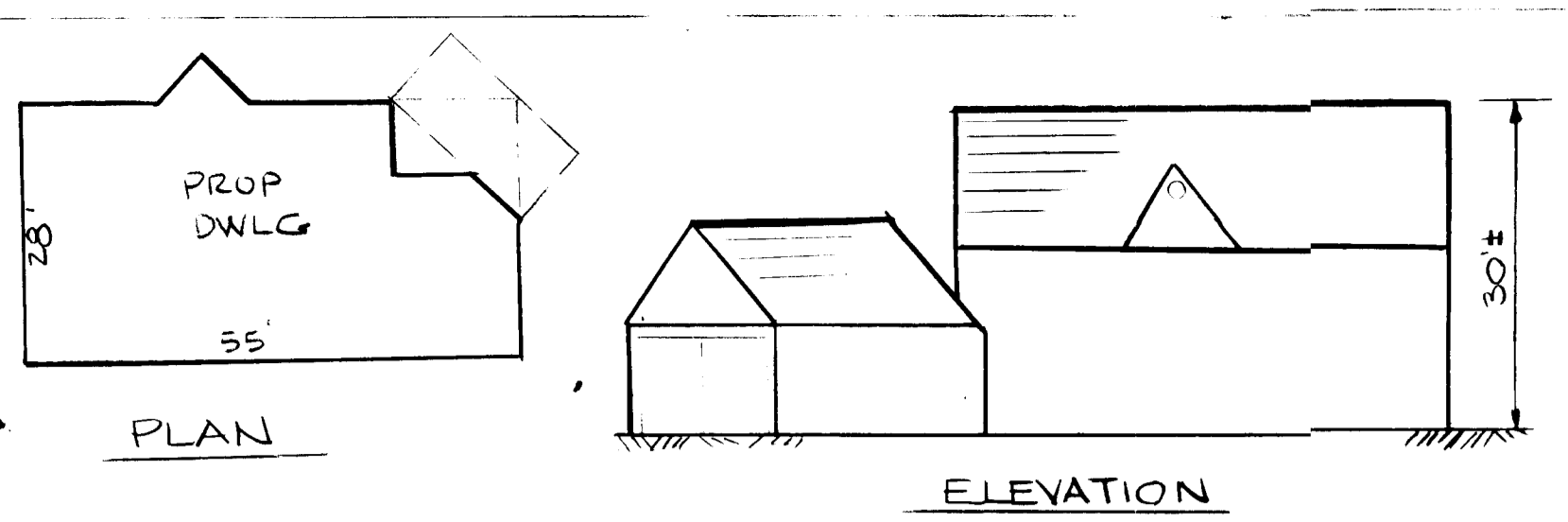
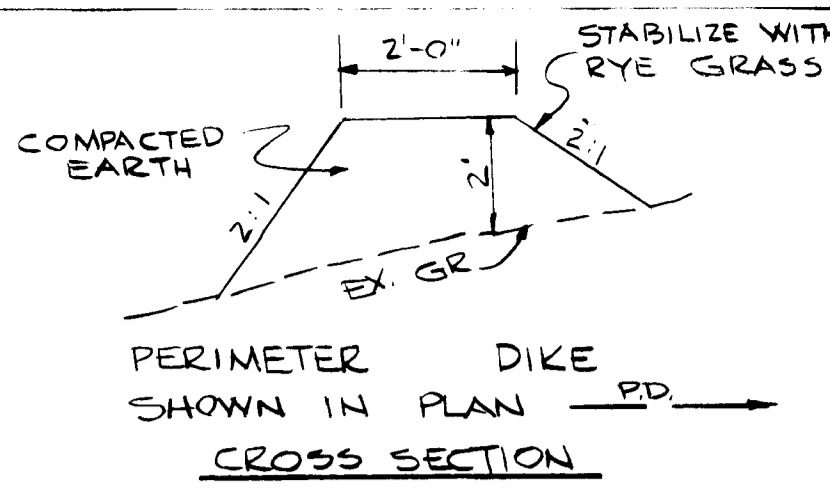


SECTION DRIVEWAY IN EXISTING CURB SECTION DRIVEWAY IN NEW CURB

NOTE: ALL CONSTRUCTION SHALL CONFORM TO THE HOWARD COUNTY ROAD CONSTRUCTION CODE & STANDARD SPECIFICATIONS. USE THIS DRIVEWAY SECTION WITH THE EXISTING CONC. APRON CONFORMING WITH THE HOWARD CO. STD. E-G-01

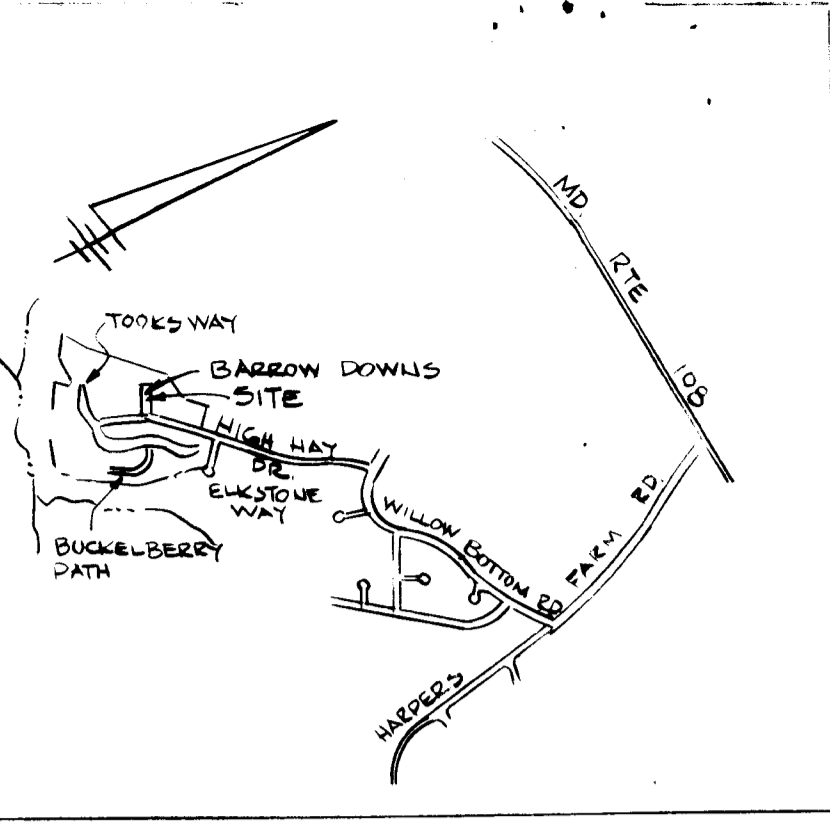


HOUSE TYPE NO SCALE

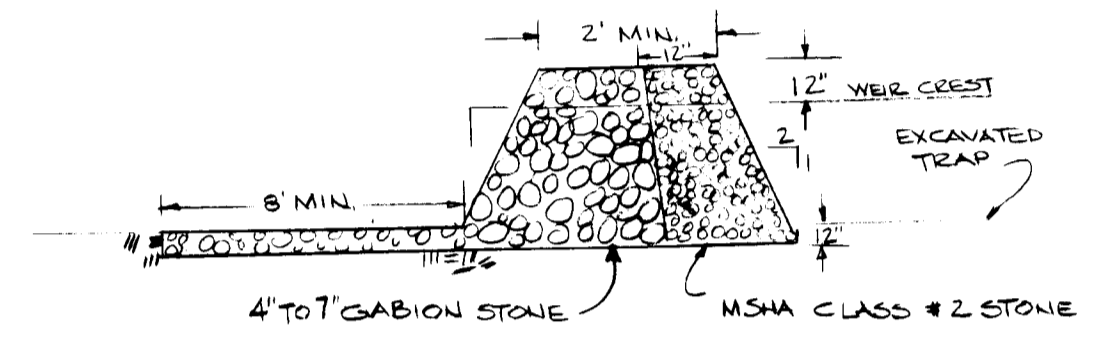


PERIMETER DIKE SHOWN IN PLAN PD CROSS SECTION

- CONSTRUCTION SPECIFICATIONS**
1. ALL DIKES SHALL BE MACHINE COMPACTED.
 2. ALL PERIMETER DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
 3. A. DIVERTED RUNOFF FROM A PROTECTED OR STABILIZED UPLAND AREA SHALL OUTLET DIRECTLY ONTO AN UNDISTURBED STABILIZED AREA OR INTO A LEVEL SPREADER OR GRADE STABILIZATION STRUCTURE.
B. DIVERTED RUNOFF FROM A DISTURBED OR EXPOSED UPLAND AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE SUCH AS SEDIMENT TRAP OR SEDIMENT BASIN OR TO AN AREA PROTECTED BY ANY OF THESE PRACTICES.
 4. STABILIZATION WHEN REQUIRED SHALL BE DONE IN ACCORDANCE WITH STANDARD AND SPECIFICATIONS FOR GRASSED WATERWAY. THE MINIMUM AREA TO BE STABILIZED SHALL BE THE CHANNEL FLOW AREA.
 5. PERIODIC INSPECTION AND REQUIRED MAINTENANCE SHALL BE PROVIDED.



VICINITY MAP SCALE 1" = 2000'



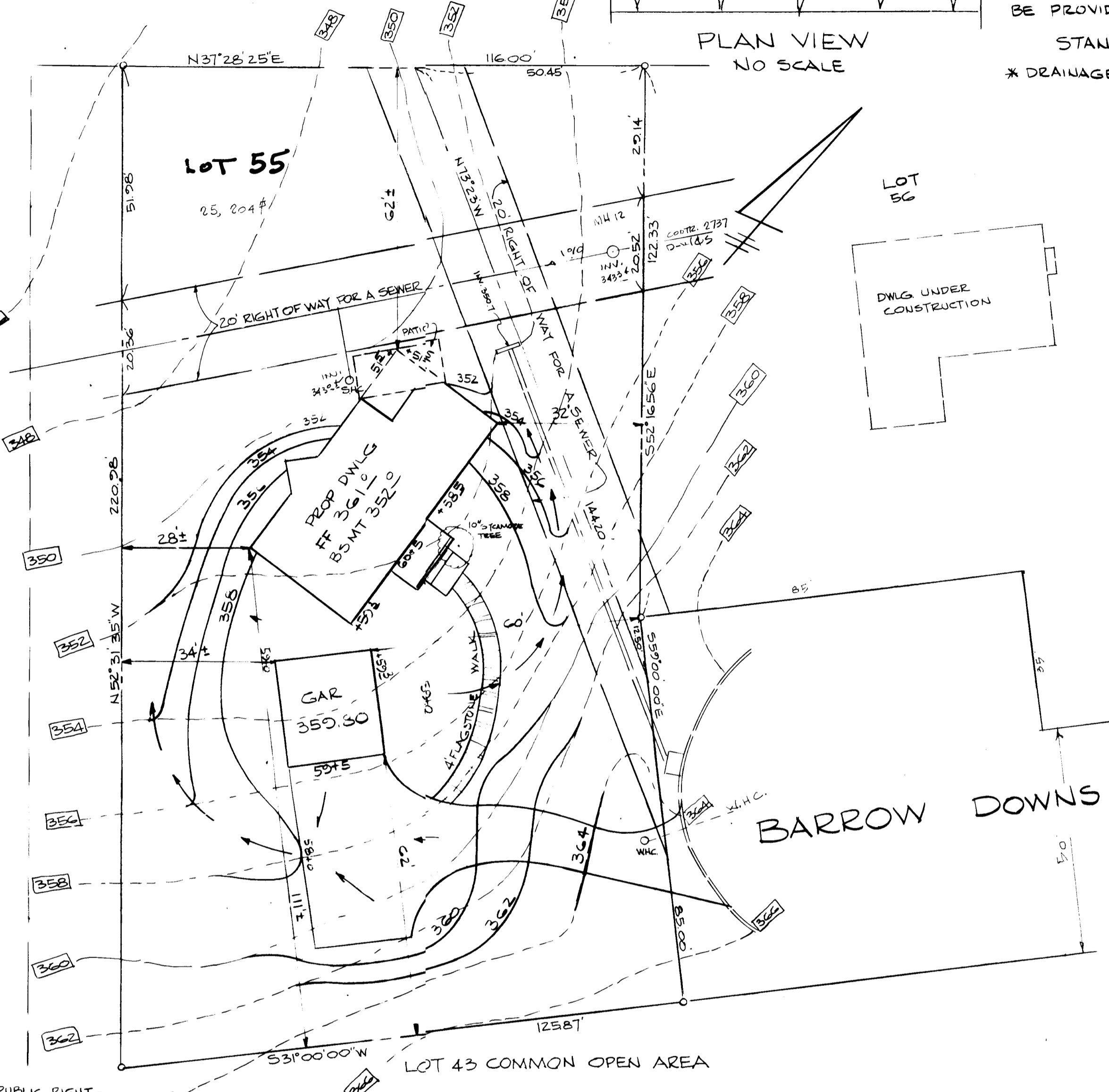
CROSS SECTION NO SCALE STONE OUTLET SEDIMENT TRAP

- THE STONE SHALL BE CRUSHED STONE. GRAVEL MAY BE USED IF CRUSHED STONE IS NOT AVAILABLE. THE STONE SHALL MEET MSHA SIZE NO. 2 OR AASHTO DESIGNATION M43 SIZE 4 1/2 OR 24 UNLESS GABION IS REQUIRED ON PLAN.
- THE CREST OF THE STONE DIKE SHALL BE AT LEAST SIX INCHES LOWER THAN THE LOWEST ELEVATION OF THE TOP OF THE EARTH DIKE AND SHALL BE LEVEL.
- THE STONE OUTLET STRUCTURE SHALL BE EMBEDDED INTO THE SOIL A MINIMUM OF 12".
- THE MINIMUM LENGTH IN FEET, OF THE CREST OF THE STONE OUTLET STRUCTURE SHALL BE EQUAL TO SIX TIMES THE NUMBER OF ACRES OF CONTRIBUTING DRAINAGE AREA.
- THE STONE OUTLET STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN, AND THE STONE SHALL BE REPLACED WHEN THE STRUCTURE CEASES TO FUNCTION AS INTENDED DUE TO SILT ACCUMULATION AMONG THE STONE WADHOUT, CONSTRUCTION TRAFFIC DAMAGE, ETC.
- THE STONE OUTLET STRUCTURE SHALL BE LOCATED SO AS TO DISCHARGE ONTO AN ALREADY STABILIZED AREA OR INTO A STABLE WATER COURSE. STABILIZATION SHALL CONSIST OF COMPLETE VEGETAL COVER, PAVING, ETC. SUFFICIENTLY ESTABLISHED TO BE EROSION RESISTANT.
- PERIODIC INSPECTION AND REQUIRED MAINTENANCE SHALL BE PROVIDED.
- THE FOLLOWING DIMENSIONS FOR THE GIVEN LOT SIZES ARE ACCEPTABLE FOR SINGLE LOT RESIDENTIAL PROTECTION WHEN UNIT COMPLETION RENDER THE APPROVED PLAN NO LONGER WORKABLE.

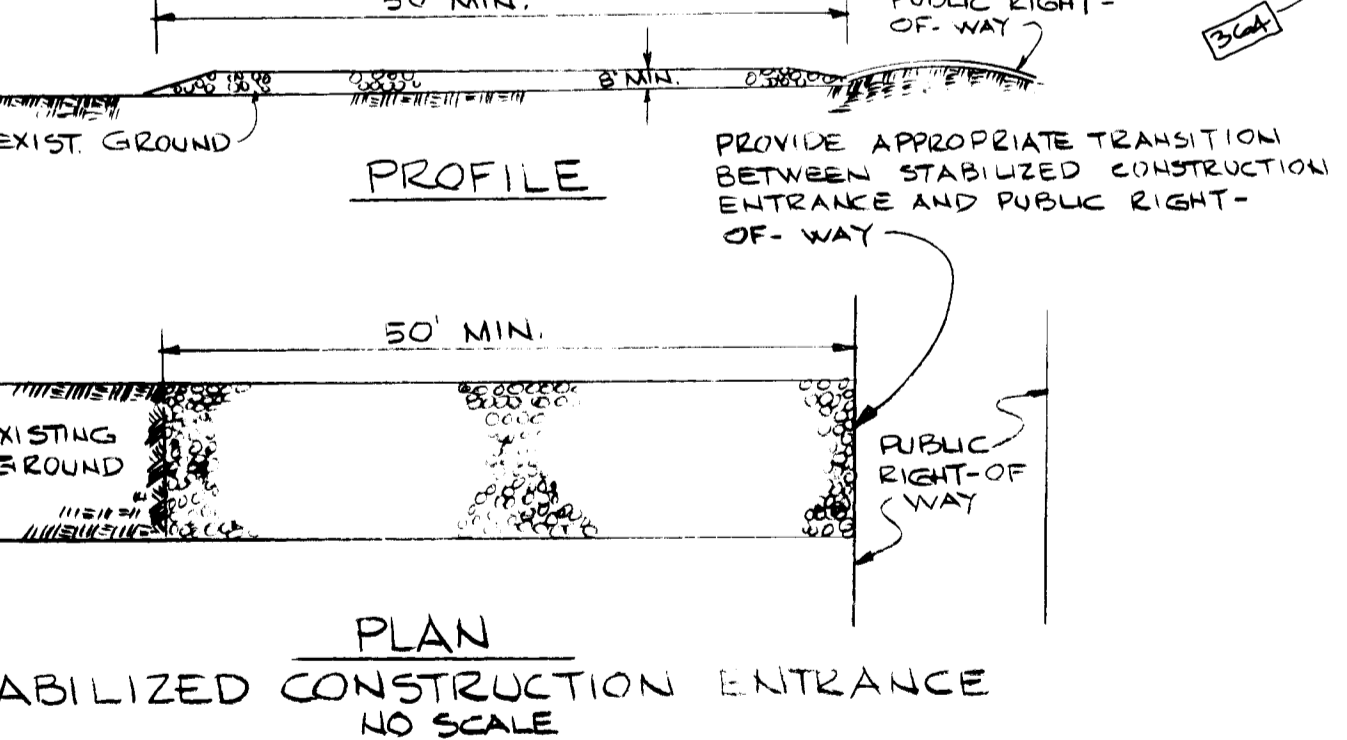
LOT SIZE	1/4 AC	1/2 AC	1 AC
L	2'	3'	6'
DEPTH	2'	2'	2'
BOT. WIDTH	11"	24"	24"
BOT. AREA	21"	286"	576"

* CAN BE ADJUSTED IN THE FIELD BUT BOTTOM AREA MUST BE AS GIVEN OR GREATER * DRAIN AREA LESS THAN 5 ACRES.

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 7-9-84



- CONSTRUCTION SPECIFICATIONS**
1. STONE SIZE - USE MSHA SIZE N.2 (2-1/2" TO 1") OR AASHTO DESIGNATION M43, SIZE N.2 (2 1/2" TO 1 1/2"). USE CRUSHED STONE.
 2. LENGTH - AS EFFECTIVE BUT NOT LESS THAN 50 FEET.
 3. THICKNESS - NOT LESS THAN EIGHT (8) INCHES.
 4. WIDTH - NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS & EGRESS.
 5. WASHING - WHEN NECESSARY, WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY. WHEN WASHING IS REQUIRED IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE THROUGH USE OF SAND BAGS, GRAVEL, BOARDS OR OTHER APPROVED METHODS.
 6. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED DROPPED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.



STABILIZED CONSTRUCTION ENTRANCE NO SCALE

- SEDIMENT CONTROL NOTES**
1. THE CONTRACTOR SHALL NOTIFY THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS & PERMITS AT LEAST 24 HRS PRIOR TO BEGINNING ANY CONSTRUCTION SHOWN HEREON (992-2430)
 2. ALL SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH THIS PLAN AND THE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS (C/15) PRIOR TO ANY GRADING OR DISTURBANCE TO ANY SURFACE MATERIALS.
 3. ALL SEDIMENT CONTROL STRUCTURES TO REMAIN IN PLACE UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE SEDIMENT CONTROL INSPECTOR.
 4. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED BY THE CONTRACTOR OR HIS REPRESENTATIVES ON A DAILY BASIS TO ENSURE PROPER FUNCTIONING OF ALL SEDIMENT CONTROL STRUCTURES.
 5. ALL GRADED AREAS, NOT TO BE PAVED SHALL BE STABILIZED IN ACCORDANCE WITH THE FOLLOWING:
 - a. PLACE 3" COMPACTED LAYER OF TOPSOIL TO FINISHED GRADE.
 - b. SPREAD DOLOMITIC LIMESTONE AT THE RATE OF 20 LBS/1000 S.F.
 - c. SPREAD 10-10-10 COMMERCIAL GRADE FERTILIZER AT THE RATE OF 25 LBS/1000 S.F. AND DISC INTO SOIL TO A 3" DEPTH.
 - d. SEED PREPARED AREAS AT THE RATE OF 3 LBS/1000 S.F. (1) 40% MERION KENTUCKY BLUEGRASS, 40% COMMON KENTUCKY BLUEGRASS, 20% PEAN LAWN, CREEPING RED FESCUE.
 - e. ALL SEEDING SHALL BE RAKED WITH A YORK RAKE (MIN. OF 2 PASSES COVERED AND COMPACTED WITH A MULTIPACKER OR OTHER APPROVED METHOD).
 - f. MULCH ALL AREAS IMMEDIATELY AFTER SEEDING WITH UNWEATHERED SMALL GRAIN STRAW AT THE RATE OF 70 LBS/1000 S.F. AND SPRAY WITH EMULSIFIED ASPHALT AT THE RATE OF 0.04 GAL. S.F.
 - g. ALL SEEDING AREAS WHICH DO NOT SHOW SIGNS OF GERMINATION WITHIN 4 WEEKS AFTER SEEDING SHALL BE RESEED.
 - h. TEMPORARY SEEDING: USE 4 LBS/1000 S.F. OF ANNUAL RYE.

- SEQUENCE OF CONSTRUCTION**
1. OBTAIN GRADING PERMIT
 2. NOTIFY HOWARD COUNTY DEPT. OF PERMITS & LICENSES.
 3. INSTALL STONE CONSTRUCTION ENTRANCES, PERIMETER DIKES ETC.
 4. ROUGH GRADE SITE
 5. PROCEED WITH BUILDING & UTILITY CONSTRUCTION
 6. FINE GRADE SITE
 7. STABILIZE AREAS TO BE SEEDING PER PERMANENT SEEDING NOTES
 8. REMOVE SEDIMENT CONTROL DEVICES & STABILIZE THESE AREAS.
 9. PAVE AREAS TO BE PAVED.
 10. OBTAIN FINAL APPROVAL FROM INSPECTOR TO INSURE OCCUPANCY.

- SITE ANALYSIS**
1. ZONING - NEWTOWN - FDP 130 F. 74-103 FDP 110-A-1, B, C, D
 2. TOTAL NUMBER OF LOTS OR PARCELS 1
 3. TOTAL AREA OF LOTS OR PARCELS 25,204 S.F. ± 0.58 AC
 4. TOTAL AREA TO BE DISTURBED 13,000 S.F. ± 0.30 AC
 5. TOTAL AREA TO BE REVEGETATED 8,000 S.F. ± 0.18 AC

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
 8-3-84 DATE
 8-3-84 DATE
 APPROVED: FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT.
 8-2-84 DATE
 APPROVED: FOR PUBLIC WATER, PUBLIC SEWER, STORM DRAINAGE SYSTEMS, & PUBLIC ROADS HOWARD COUNTY DEPT. OF PUBLIC WORKS
 7-30-84 DATE
 7-27-84 DATE

CERTIFICATION BY DEVELOPER
 I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION & SEDIMENT CONTROL THAT ALL RESPONSIBLE PERSONNEL INVOLVED WITH THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPT. OF NATURAL RESOURCES APPROVED TRAINING PROGRAM. FOR THE CONTROL OF EROSION & EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC INSPECTION ON-SITE BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY.

CERTIFICATION BY ENGINEER
 I CERTIFY THAT THIS CONSTRUCTION PLAN FOR EROSION & SEDIMENT CONTROL REPRESENTS A PRACTICAL & WORKABLE PLAN BASED ON MY KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT & MEETS TECHNICAL REQUIREMENTS
 7-25-84 DATE
 APPROVED: FOR SOIL EROSION & SEDIMENT CONTROL HOWARD COUNTY SOIL CONSERVATION DISTRICT.
 SIGNATURE DATE

SUBDIVISION NAME COLUMBIA VILLAGE OF HARPER'S CHOICE	SECT / AREA 2 / 1	LOT / PARCEL 55
PLAT # OR L/F 3840	BLOCK 21	ZONE NF 35.10
TAX / ZONE MAP 25 25	ELECT. DIST 5TH	GENOUS TRACT 6253 01
WATER CODE I 0 3	SEWER CODE 5585 600	

SITE DEVELOPMENT PLAN & SEDIMENT CONTROL PLAN
 LOT 55 COLUMBIA VILLAGE OF HARPER'S CHOICE
 SECTION 2 AREA 4
 5TH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
 SCALE: 1"=20'
 DEVELOPER: JOHN MC DONOUGH
 SUITE 103 - 5825 BANNEKER RD.
 COLUMBIA, MARYLAND 21044
 TEL. 992-4442

ENGINEER
 HUDKINS ASSOCIATES INC
 5485 HARPER'S FARM RD.
 COLUMBIA, MARYLAND 21044
 34.10F1