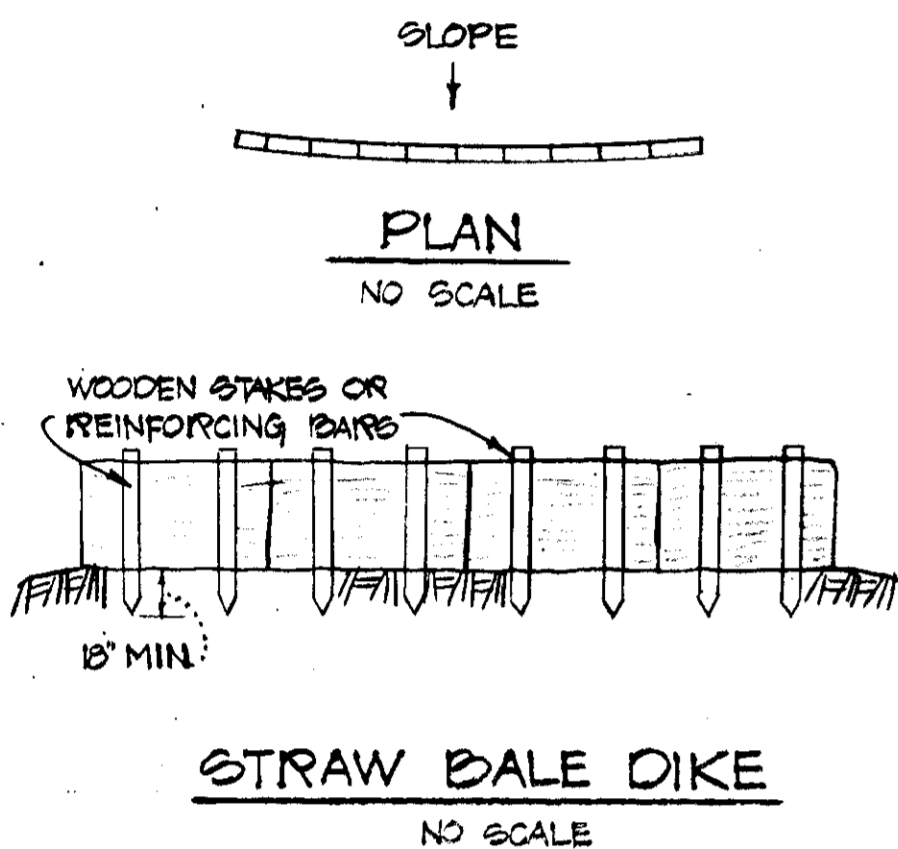
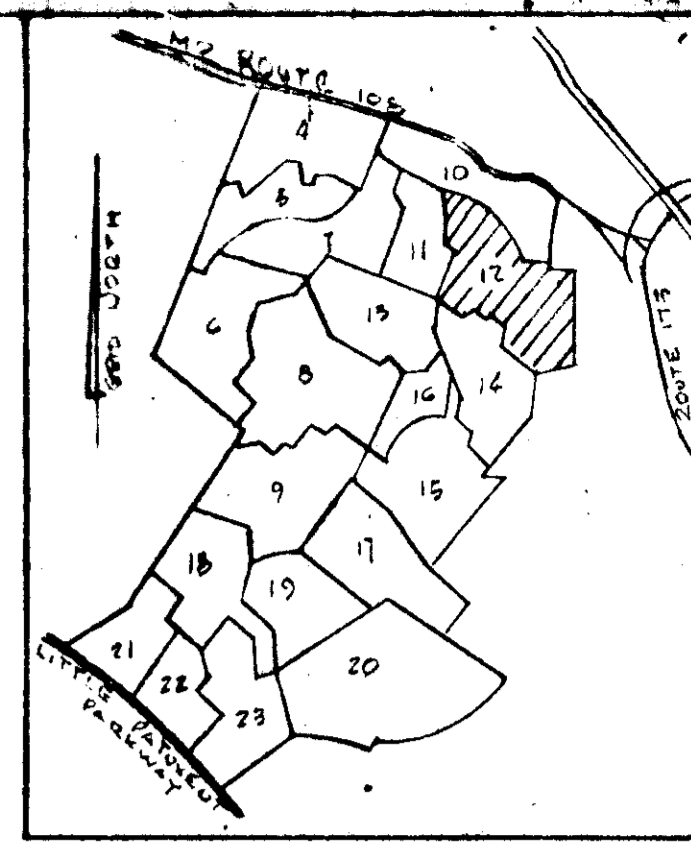


APPROVED
DIVISION OF LAND DEVELOPMENT
AND TRANSPORTATION PLANNING
HOWARD COUNTY, MARYLAND

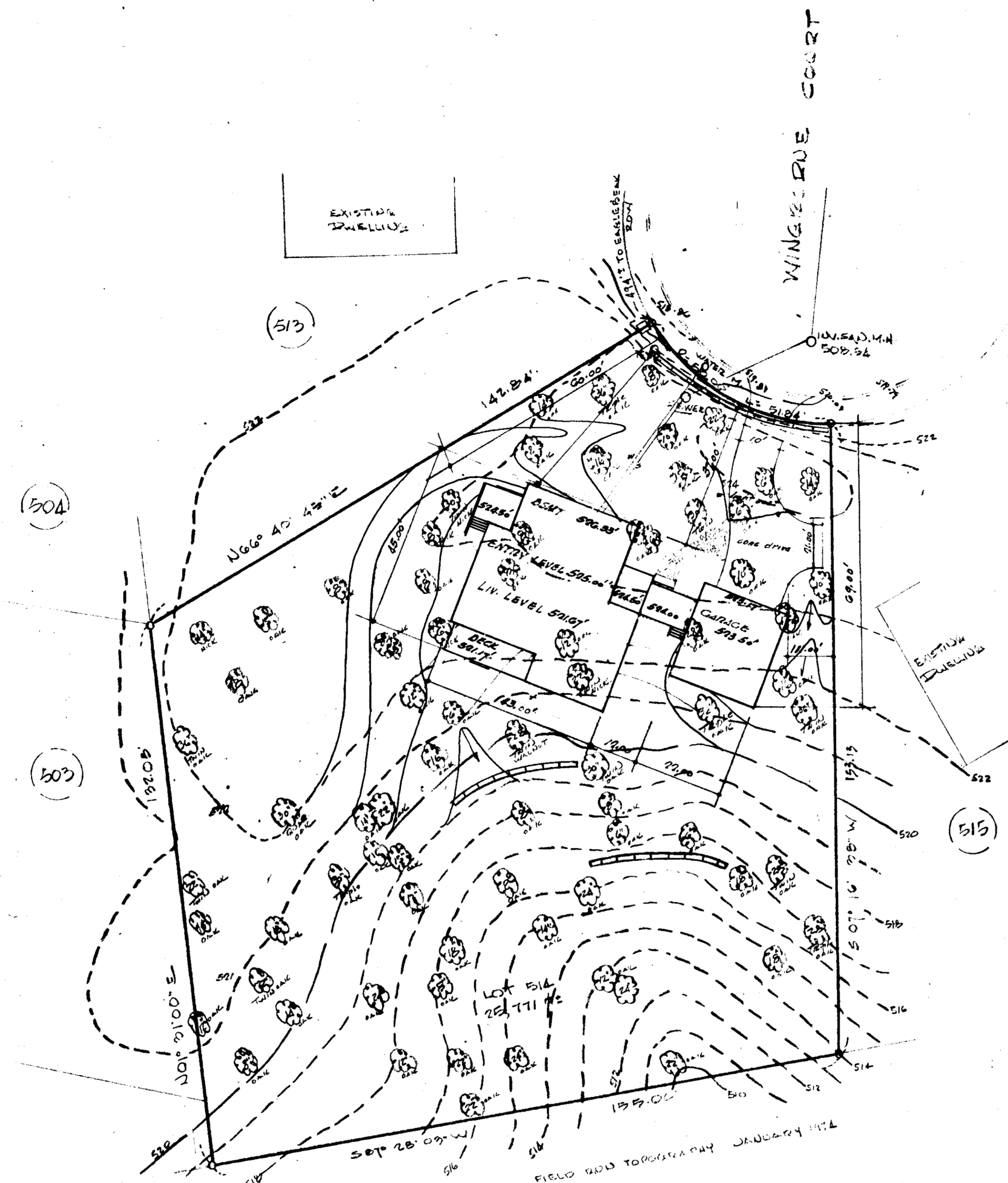
DATE 10/30/74



- PHASE OF CONSTRUCTION**
1. INSTALL SEDIMENT CONTROL MEASURES
 2. GRADING
 - A. CONSTRUCTION
 - B. STABILIZATION 1. STRIP TOPSOIL 2. STABILIZE BERM
 - C. MAINTENANCE
 3. IMMEDIATELY AFTER BRINGING ENTIRE SITE TO GRADE ALL AREAS NOT TO HAVE PERMANENT STRUCTURES, PAVING, ETC. SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT VEGETATION.
 4. FOR SEEDING OF BERM SEE PROCEDURE PERMANENT SEEDING NOTE.

VEGETATIVE COVER OPTIONS

FEB. 1 TO MAY 1	1. SOIL 2. SEED & MULCH 3. SOIL
MAY 1 TO AUG. 15	2. MULCH ANCHOR TOOL THEN SEED DURING NEXT SEEDING PERIOD
AUG. 15 TO NOV. 1	1. SEED 2. SEED & MULCH 3. SOIL-DELAY UNTIL NEXT PERIOD IF GROUND IS FROZEN
NOV. 1 TO FEB. 1	2. MULCH ANCHOR TOOL THEN SEED DURING NEXT SEEDING PERIOD



- SEDIMENT CONTROL NOTES**
1. IN THOSE CASES WHERE SEDIMENT CONTROL STRUCTURES ARE TO REMAIN ON-SITE AS PERMANENT MEASURES THE DEVELOPER SHALL SO INDICATE AND SHALL PROVIDE EVIDENCE THAT A LONG RANGE MAINTENANCE HAS BEEN PROVIDED FOR.
 2. NOTIFY THE HOWARD SOIL CONSERVATION DISTRICT AT LEAST 24 HOURS BEFORE STARTING ANY WORK PHONE 465-5000 EXT. 328 OR 465-3180
 3. ALL STRUCTURAL SEDIMENT MEASURES ARE TO REMAIN IN PLACE UNTIL PERMISSION FOR REMOVAL HAS BEEN GRANTED BY HOWARD SOIL CONSERVATION DISTRICT 465-5000 EXT. 328.
 4. STRUCTURAL MEASURES SUCH AS BERMS, ETC. WILL BE INSTALLED AND STABILIZED ACCORDING TO THIS PLAN PRIOR TO ANY OTHER GRADING CLEANING OR DISTURBANCE OF THE EXISTING SURFACE OF THE SITE.
 5. ON SITE INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL MEASURES INCLUDING CLEAN OUT OF BERMS AND PROPER ESTABLISHMENT OF ALL PLANNED VEGETATIVE MEASURES WILL BE THE RESPONSIBILITY OF THE DEVELOPER OR HIS REPRESENTATIVE ON THE SITE ON A CONTINUING DAY TO DAY BASIS.

- PROCEDURE-PERMANENT SOD**
- A. FERTILIZE AREA WITH 25LBS. 10x10x10 PER 1000 S.F. OR AMOUNTS AS DIRECTED BY S.C.S.
 - B. ADD 50LBS. LIMESTONE PER 1000 S.F.
 - C. MIX FERTILIZER & LIMESTONE WITH SOIL TO DEPTH OF 4 INCHES.
 - D. PLACE CERTIFIED KY 31 TALL FESCUE OR OTHER S.C.S. APPROVED SOD.
 - E. CLEAN DEBRIS FROM SOD.

- PROCEDURE-PERMANENT SEEDING**
- A. APPLY 50LBS/1000 S.F. OF LIMESTONE
 - B. APPLY FERTILIZER AT RATE OF 25LBS OF 10x10x10 PER 1000 S.F. DEPENDING ON THE SOIL TEST.
 - C. HARROW OR DISC. FERTILIZER & LIMESTONE INTO SOIL TO DEPTH OF 3 INCHES.
 - D. SEED WITH KY 31 TALL FESCUE AT RATE OF 5LBS/1000 S.F. OR S.C.S. APPROVED SEEDING PLAN.
 - E. MULCH WITH SMALL GRAIN STRAW 1.5 TO 2 TONS PER ACR.
 - F. ANCHOR MULCH
 1. ASPHALT-ALL AREAS NOT SWALED
 2. SWALES-ANCHOR WITH PLASTIC NETTING.

(X) - Denotes Trees To Be Removed.

REVIEWED FOR Howard S.C.D.
NAME
AND MEETS TECHNICAL REQUIREMENTS
James M. Welch 12-10-74
SIGNATURE DATE
S.C. SOIL CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
Robert W. Ziehm 12-10-74
APPROVED HOWARD S.C.D. DATE

EROSION & SEDIMENT CONTROL PLAN

"LONGREACH"

COLUMBIA, VILLAGE OF LONGREACH
LOT 514 SECTION I AREA I PLAT BOOK 10-52
6TH ELECTION DISTRICT - HOWARD COUNTY, MD
SCALE 1"=20' JANUARY 9, 1974

HUDKINS ASSOCIATES
ENGINEERS - SURVEYORS
281 JOSEPH SQUARE
COLUMBIA, MD 21044

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.
James M. Welch
SIGNATURE OF ENGINEER
12/10/74
DATE

DEVELOPER
I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL, AND I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AND I AGREE NECESSARY DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT.
Robert W. Ziehm
SIGNATURE OF DEVELOPER
12/10/74
DATE

HOWARD SOIL CONSERVATION DISTRICT
REVIEWED FOR / NAME SCD
AND MEETS TECHNICAL REQUIREMENTS
SIGNATURE DATE
US SOIL CONSERVATION SERVICE
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
APPROVED HOWARD SCD DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
William A. Altman 12/18/74
DIRECTOR DATE
APPROVED FOR HOWARD COUNTY OFFICE OF PLANNING & ZONING
Thomas S. Harris 12-20-74
DIRECTOR DATE
APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
William A. Altman 12/18/74
DIRECTOR DATE
CHIEF BUREAU OF HIGHWAYS

john n. bowers, inc.
builders
columbia, maryland 21043

work residence 516 wingbowe court date 12/18/74
drawn by