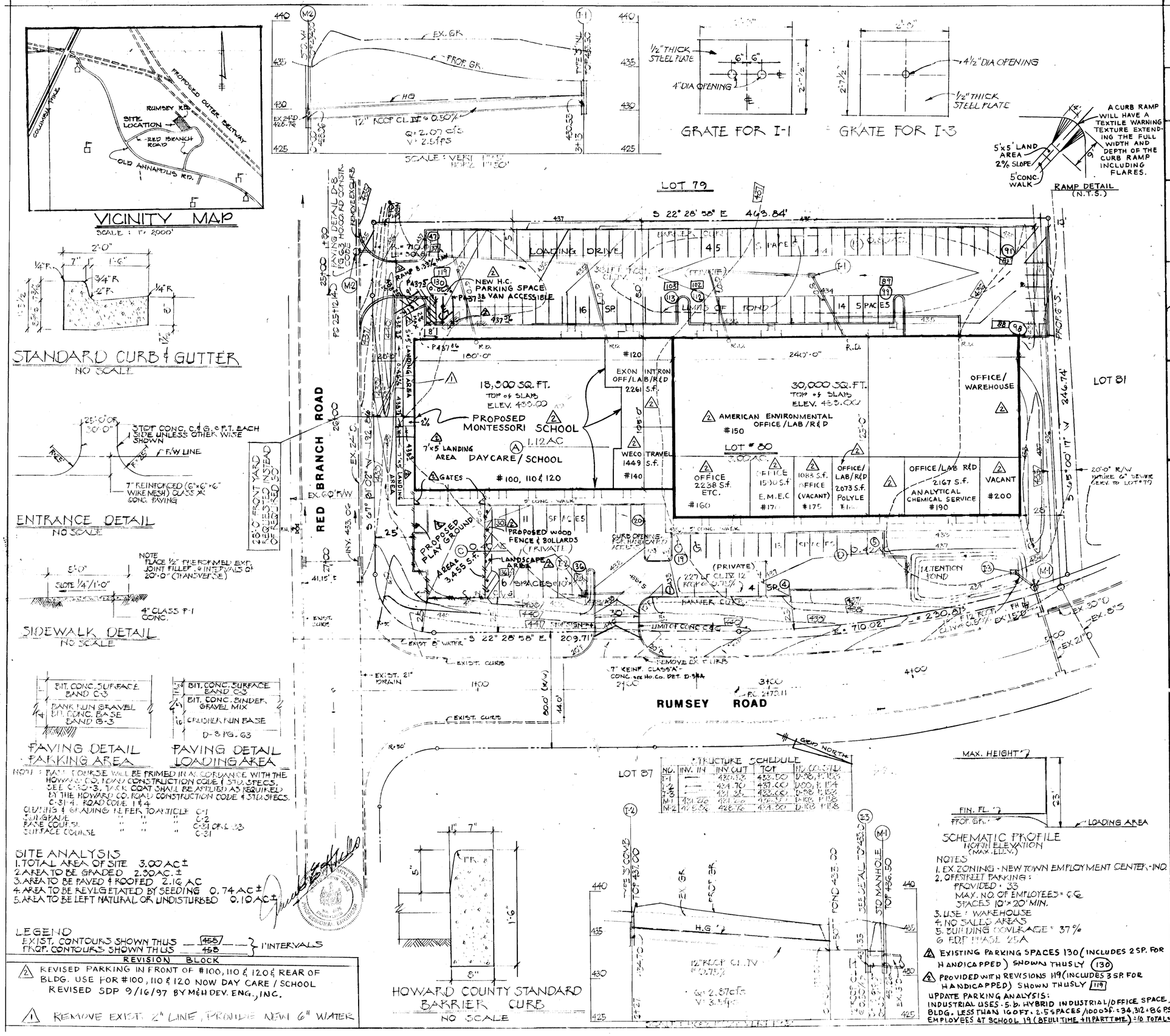


ENGINEER HUDKINS ASSOCIATES, INC.
203 SHELL BUILDING
200 E. JOPPA ROAD
TOWSON, MARYLAND 21204

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD CO. HEALTH DEPT.
11-30-76 DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
11/10/76 DATE

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS
11/10/76 DATE
U.S. SOIL CONSERVATION SERVICES

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
DIRECTOR 12-2-76 DATE
DIVISION OF LAND DEVELOP. 12-2-76 DATE

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE & STORM DRAINAGE SYSTEMS & PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
DIRECTOR 11-23-76 DATE
11/23/76 DATE

DEVELOPER
I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THE PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL. AND I AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DIST. OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
SIGNATURE DATE 26 1976

ENGINEER HUDKINS ASSOC., INC.
200 E. JOPPA ROAD
TOWSON, MD 21204
I CERTIFY THAT THE PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS 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 SOIL CONSERVATION DISTRICT.
SIGNATURE 7/3/76 DATE

OWNER

LOT 80 OAKLAND RIDGE INDUSTRIAL PK. SECTION 2
COLUMBIA, MARYLAND
2nd ELECTION DISTRICT HOWARD CO., MD.
TAX MAP 30 PARCEL 302
PLAT BOOK 30 FOLIO 16
DEED OFFICE PLANNING & ZONING

INDEX OF SHEETS

SITE PLAN
SCALE: 1" = 50'

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 10-27-76

TM NICHOLS AIA
Architect / Industrial Designer
700 Cathedral St
Baltimore Md 21201

Oakland Ridge Industrial Park
Lot 80 SECTION 2
Columbia Md

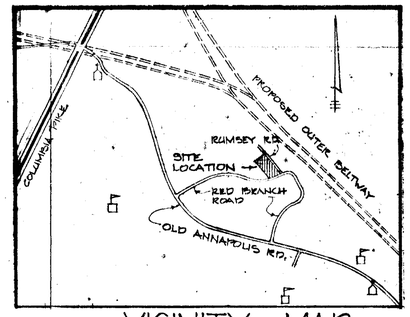
nicholas

scheme

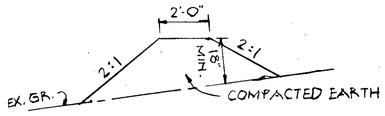
date 7/3/76
REV: 10/28/76
REV: 9/16/97

1 OF 2.

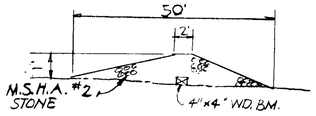
SDP-77-12c



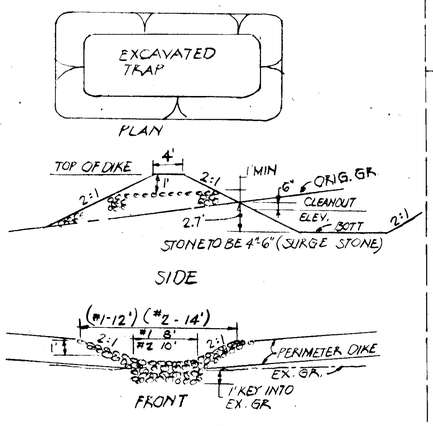
VICINITY MAP
SCALE: 1" = 2000'



PERIMETER DIKE
SHOWN THUS

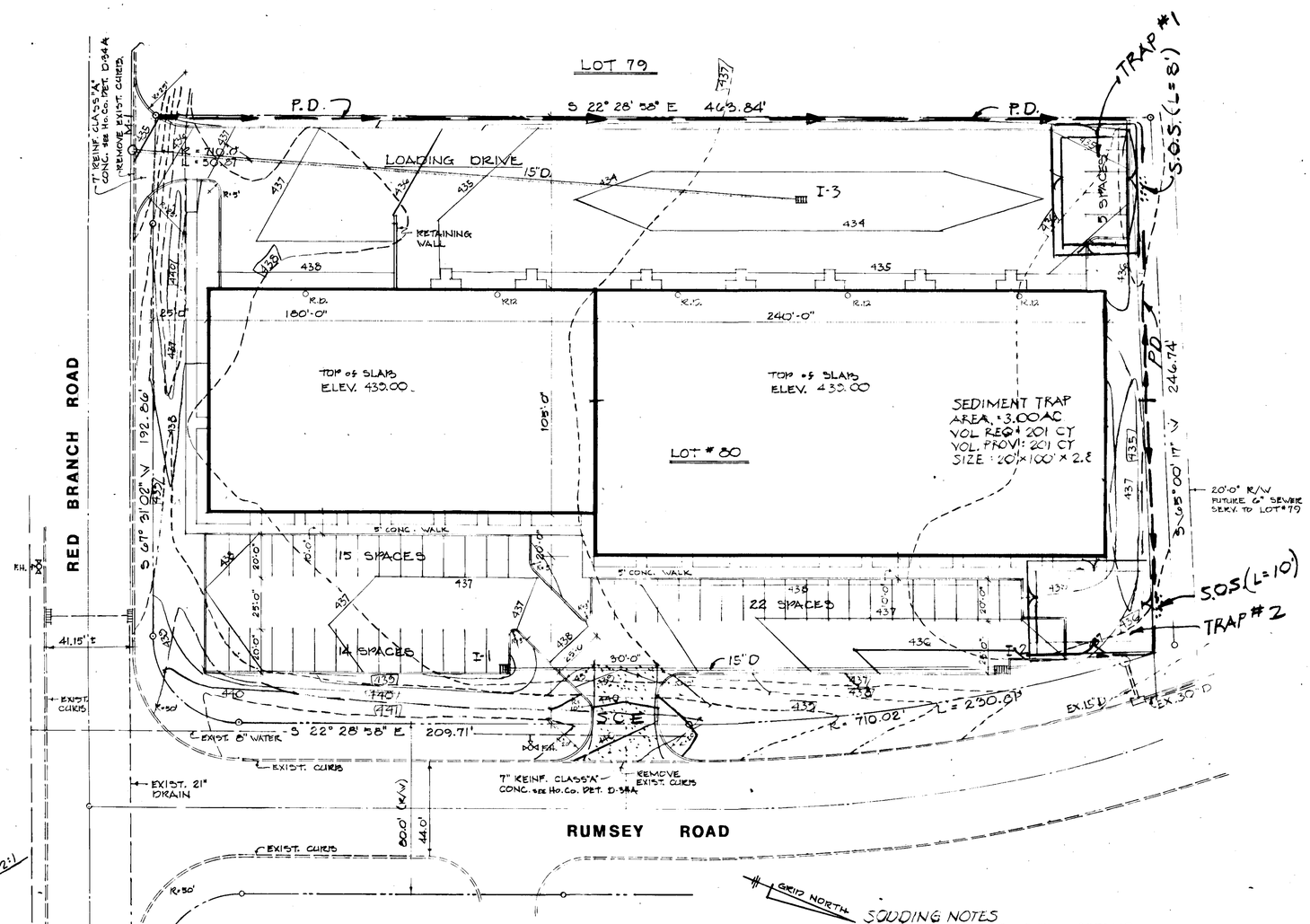


GRAVEL ACCESS BERM
SHOWN THUS



SEDIMENT TRAP & STONE OUTLET STRUCTURE

TRAP DESIGN DATA	#1	#2
DRAINAGE AREA=	1.4AC	1.6AC.
DISTURBED AREA	1.4AC	1.6AC.
VOL. REQ	94 CY	107 CY
VOL. PROV.	94 CY	107 CY
SIZE	30'x50'x1.7' CLEANOUT ELEV. 1.2'	35'x50'x1.7' CLEANOUT ELEV. 1.2'



SEDIMENT CONTROL NOTES:
1. NOTIFY THE HOWARD CO. SOIL CONSERVATION DISTRICT AT LEAST 24 HOURS BEFORE STARTING ANY WORK - PHONE 465-5000 EXT. 329 OR 465-3180.
2. ALL SEDIMENT CONTROL DEVICES ARE TO REMAIN IN PLACE UNTIL PERMISSION FOR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD SOIL CONSERVATION DISTRICT.
3. STRUCTURAL MEASURES SUCH AS BERMS, DIKES, TRAPS, BASINS, ETC. WILL BE INSTALLED AND STABILIZED ACCORDING TO THE PLAN PRIOR TO ANY GRADING, CLEARING OR DISTURBANCE OF THE EXISTING SURFACE OF THE SITE.
4. ON SITE INSPECTION & MAINTENANCE OF ALL SEDIMENT CONTROL MEASURES INCLUDING CLEANOUT OF SEDIMENT TRAPS & BERMS AND HYDRO ESTABLISHMENT OF ALL PLANNED VEGATIVE MEASURES WILL BE THE RESPONSIBILITY OF THE DEVELOPER OR HIS REPRESENTATIVE ON THE SITE ON A CONTINUING DAY TO DAY BASIS.

PROCEDURE - PERMANENT SEEDING
1. APPLY 50 LBS/1000 S.F. OF LIMESTONE
2. APPLY FERTILIZER @ RATE OF 25 LBS. OF 10-10-10 PER 1000 SF DEPENDING ON SOIL TEST.
3. HARROW OR DISC FERTILIZER & LIMESTONE INTO SOIL TO A DEPTH OF 3 IN.
4. SEED WITH KY 31 TALL FESCUE @ RATE OF 5 LBS/1000 S.F. OR OTHER S.C.S. APPROVED PLAN.
5. MULCH WITH SMALL GRAIN STRAW 1.5 TO 2.0 TONS PER ACRE (75#-90#/1000 S.F.)
6. ANCHOR MULCH W/ STRAYED ASPHALT @ 0.1 GAL/SQ YD)

TEMPORARY SEEDING & SEEDING FOR BERMS
1. SEED IMMEDIATELY UPON CONSTRUCTION WITH LBS. RYE GRASS/1000 SF)
2. APPLY 46 LBS/1000 S.F. OF PULVERIZED DOLOMITIC LIMESTONE & 11.5 LBS. TO 18.4 LBS./1000 S.F. OF 10-10-10 OR EQUIVILENT FERTILIZER.
3. HARROW OR DISC. LIME & FERTILIZER INTO THE SOIL TO A DEPTH OF AT LEAST 3 IN. CONTINUE TILLAGE UNTIL A REASONABLY UNIFORM FINE SEEDBED HAS BEEN PREPARED. ON SLOPING LAND THE FINAL HARROWING OR DISCING SHOULD BE ON THE CONTOUR.
4. MULCH WITH STRAW @ 75#/1000 SQ.FT.

SODDING NOTES
1. APPLY 50 LBS/1000 S.F. OF LIMESTONE
2. APPLY FERTILIZER @ RATE OF 25 LBS. OF 10-10-10/1000 SF DEPENDING ON SOIL TESTS
3. HARROW OR DISC FERTILIZER & LIMESTONE INTO SOIL TO A DEPTH OF 3 IN.
4. LAY SOD CAREFULLY, INSURING THAT ALL JOINTS ARE BUTTED TIGHT
5. SOD TO BE WATERED IMMEDIATELY AFTER INSTALLATION.
6. ROLL SOD IMMEDIATELY AS SECTIONS ARE COMPLETED

PHASE OF CONSTRUCTION
1. INSTALL SEDIMENT CONTROL DEVICES
2. ROUGH GRADE SITE
3. INSTALL STORM DRAINS - PLACE PLYWOOD OVER OPEN END OF ANY UNFINISHED STORM DRAIN @ END OF EACH WORKING DAY.
4. PROCEED WITH BUILDING & UTILITY CONSTRUCTION
5. REPAIR DEVICES AS REQUIRED
6. FINE GRADE SITE & PROCEED WITH PAVING.
7. STABILIZE ACCORDING TO SED. CONTROL MAN.
8. REMOVE DEVICES AFTER OBTAINING HOWARD CO. APPROVAL

VEGATIVE COVER OPTIONS

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

ENGINEER

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD CO. HEALTH DEPT.

COUNTY HEALTH OFFICER — DATE 11-30-76

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

HOWARD S.C.D. — Robert W. Ziehm — DATE 11/10/76

REVIEWED FOR HOWARD S.C.D.
NAME

AND MEETS TECHNICAL REQUIREMENTS

SIGNATURE — Eric V. Herman — DATE 11/10/76
U.S. SOIL CONSERVATION SERVICES

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING

DIRECTOR — Thomas G. Harris — DATE 12-2-76

CHIEF: DIVISION OF LAND DEVELOP. & TRANSPORTATION PLANNING — DATE 12-2-76

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE & STORM DRAINAGE SYSTEMS & PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

DIRECTOR — P.J. Regan Jr. — DATE 11-23-76

CHIEF: BUREAU OF HIGHWAYS — Lawrence M. Nuhrenberg — DATE 11/23/76

DEVELOPER

I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THE PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL. AND I AUTHORIZE PERIODIC ON SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DIST. OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY. DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

SIGNATURE — William H. Wintermute — DATE July 26 1976

ENGINEER

I CERTIFY THAT THE 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 SOIL CONSERVATION DISTRICT.

STATE OF MARYLAND — HOWARD A. KOLACHAN — REG. NO. 11431 — PROFESSIONAL ENGINEER

SIGNATURE — Howard A. Kolachan — DATE 7/3/76

DEVELOPER OWNER

LOT 80 OAKLAND RIDGE INDUSTRIAL PARK SECTION 2 AREA I
COLUMBIA, MARYLAND
2nd ELECTION DISTRICT HOWARD CO. MD.
TAX MAP No 30 PARCEL 302
PLAT BOOK 30 FOLIO 16
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INDEX OF SHEETS

SEDIMENT CONTROL

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 10-27-76
Thomas G. Harris

TM NICHOLS AIA
Architect/Industrial Designer
700 Cathedral St
Baltimore Md 21201

Oakland Ridge Industrial Park
Lot 80 SECTION 2
Columbia Md

SDP-77-12c

scheme

date 7/3/76
REV: 10/11/76

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