

3. NOTE: STORM WATER MANAGEMENT BASIN TO BE INSTALLED IN PRIMARY SEDIMENT BASIN DURING CONSTRUCTION. STORAGE EQUIPMENT SHALL BE MAINTAINED AT ALL TIMES. STORAGE REQUIREMENTS: 2.0 MGAL. MINIMUM STORAGE REQUIRED: 2.0 MGAL. & EL. 191.5. (ELEVATION: 191.5)

SEDIMENT CONTROL NOTES

1. OBTAIN GRADING PERMIT FROM HOWARD COUNTY.
2. EROSION AND SEDIMENT CONTROL MEASURES TO BE INSTALLED.
3. ALL FILLS TO BE BERMED AT TOP AFTER EACH WORKING DAY, AND ALL SLOPES TO BE LEFT ROUGH TO PREVENT UNDESIRABLE EROSION UNTIL READY TO STABILIZE.
4. LOCATION OF TEMPORARY EARTH BERMS ARE APPROXIMATE AND SHALL MEET FIELD CONDITIONS.
5. ADDITIONAL SEDIMENT CONTROL MEASURES MAY BE REQUIRED BY FIELD CONDITIONS.
6. SITE ANALYSIS:

TOTAL AREA OF SITE	5.267 ACRES	100.0%
AREA DISTURBED	2.83 ACRES	46.0%
AREA OF BLDG. "A"	19,282 SQ. FT.	7.0%
AREA OF BLDG. "B"	12,000 SQ. FT.	4.0%
AREA OF PAVING "BITUMINOUS"	22,876 SQ. FT.	12.0%
AREA OF PAVING "STONE"	10,160 SQ. FT.	4.0%
AREA OUTSIDE OF DEVELOPMENT	3,437 ACRES	55.0%
AREA TO BE STABILIZED	48,957 SQ. FT.	18.0%
7. TEMPORARY AND PERMANENT SEEDING AND SOODING SHALL CONFORM WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. SEE PAGE 50.01 THRU 54.04 OF THE "STANDARD AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS" DATED JULY 1975.
8. PERMANENT SLOPES SHALL NOT EXCEED 2:1 SLOPE.
9. ALL DISTURBED AREAS BEYOND PROPOSED PAVING, WITH SLOPES LESS THAN 3:1, SHALL BE STABILIZED WITH 60 LBS. PER ACRE OF "KENTUCKY 31" TALL FESCUE. ALL SLOPES STEEPER THAN 3:1 SHALL BE STABILIZED WITH 20 LBS. PER ACRE OF "KENTUCKY 31" AND 40 LBS. PER ACRE OF "KENTUCKY 31" FESCUE.
10. ALL SLOPE AREAS SHALL BE FERTILIZED WITH 20/10/10 AT A RATE OF 50 LBS. PER ACRE, 5000, IF USED, SHALL BE MARYLAND STATE "CERTIFIED" OR "APPROVED".
11. TEMPORARY SEED SHALL BE "RYE" APPLIED AT THE RATE OF 3.2 LBS./1,000 SQ. FT.
12. GRADE SWALES ALONG SOUTHEAST AND SOUTHWEST PROPERTY LINES TO BE CONSTRUCTED AS SOON AS POSSIBLE AND STABILIZED AFTER BUILDING IS UNDER CONSTRUCTION.
13. SEE ABOVE "STORM WATER MANAGEMENT BASIN" NOTE THIS Dwg.

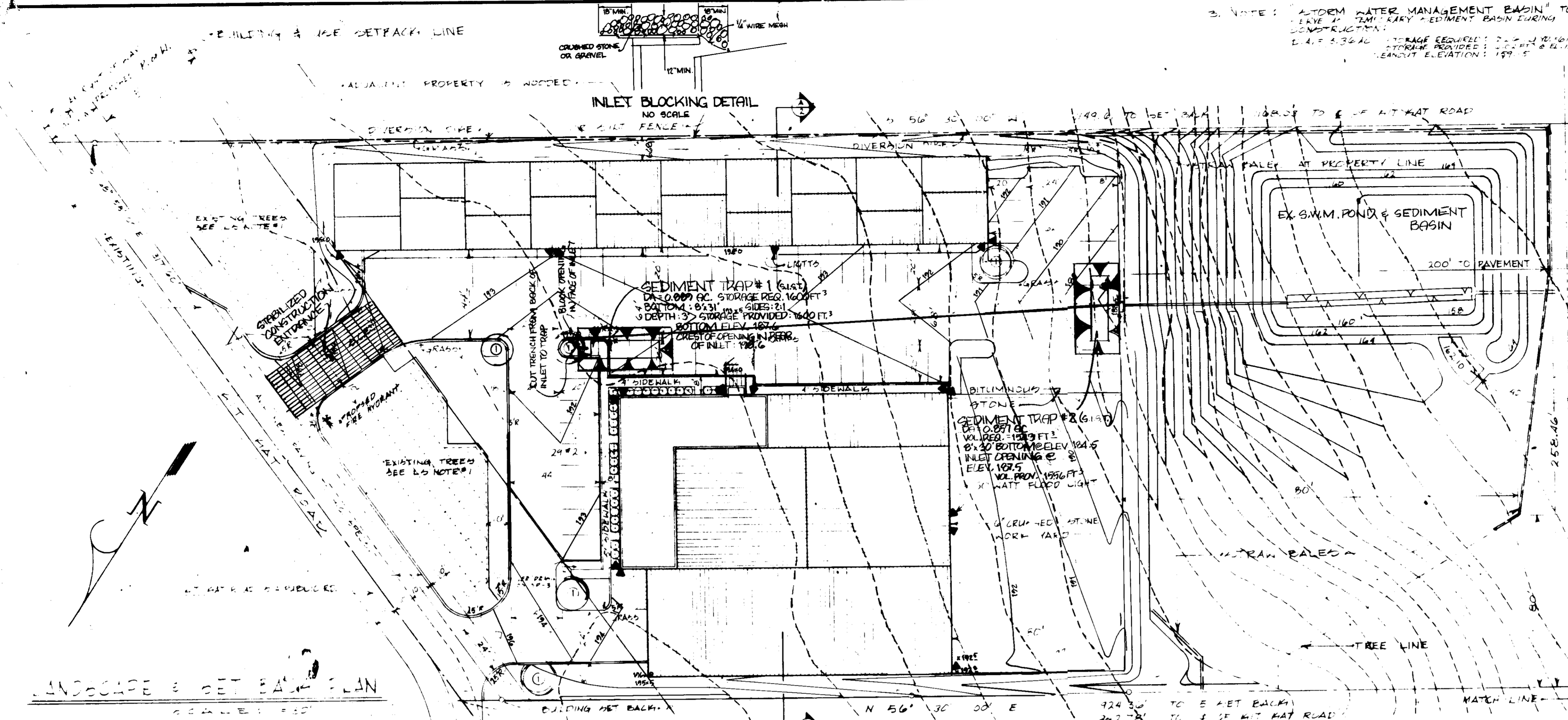
CONSTRUCTION SEQUENCE

1. CONTRACTOR SHALL CONTACT HOWARD COUNTY DEPARTMENT OF INSPECTIONS (TELEPHONE 465-6000 EXT. 361) AND HOWARD SOIL CONSERVATION DISTRICT (TELEPHONE 465-3180) A MINIMUM OF 48 HOURS BEFORE STARTING ALL GRADING OR CONSTRUCTION.
2. INSTALL SEDIMENT CONTROL MEASURES.
3. COMPLETE SITE GRADING, INSTALL STORM DRAIN PIPE AND STABILIZE WITH TEMPORARY SEEDING (SEE NOTE #11 ABOVE).
4. CONSTRUCT BUILDINGS, INSTALL UTILITIES AND PAVEMENT.
5. STABILIZE WITH PERMANENT SEEDING, REMOVE 2 SEDIMENT TRAPS & PAVE.
6. REMOVE OTHER SEDIMENT CONTROL MEASURES.
7. CONVERT SEDIMENT BASIN TO STORM WATER MGMT. POND, A PUMP STANDING WATER DOWN PAGER. b. REMOVE SEDIMENT & RESIDUE FROM ORIGINAL DIMENSIONS. c. REMOVE STONE COAGULANT PIPE @ PAVED & REMOVE TEMPORARY SECTION OF PIPE. d. INSTALL RIP-RAP DITCH. e. STABILIZE.

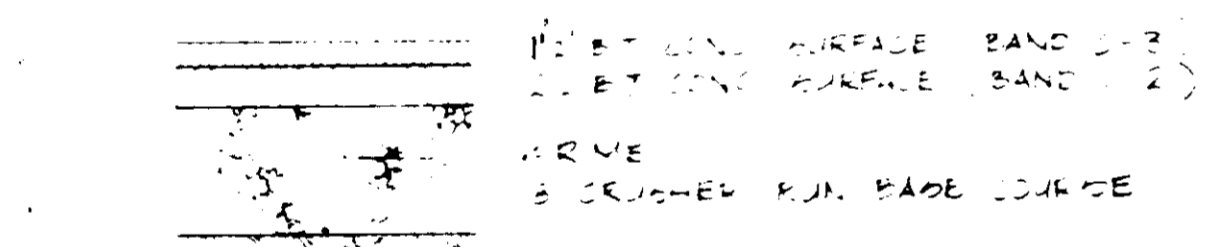
LANDSCAPE NOTES

1. ALL TREES OF 2" DIA. TO REMAIN SMALLER TREES AND BRUSH TO BE REMOVED AS OWNER DIRECTS.
2. PLANT SCHEDULE:

NO.	QUA.	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
1	5	CORNUS FLORIDA	WHITE DOGWOOD	2"	5/8 OR 7/8
2	29	AZALEA	AZALEA	18"	8/8
3. OWNER MAY USE A LARGER TREE TAKEN FROM SITE IN PLACE OF WHITE DOGWOOD.



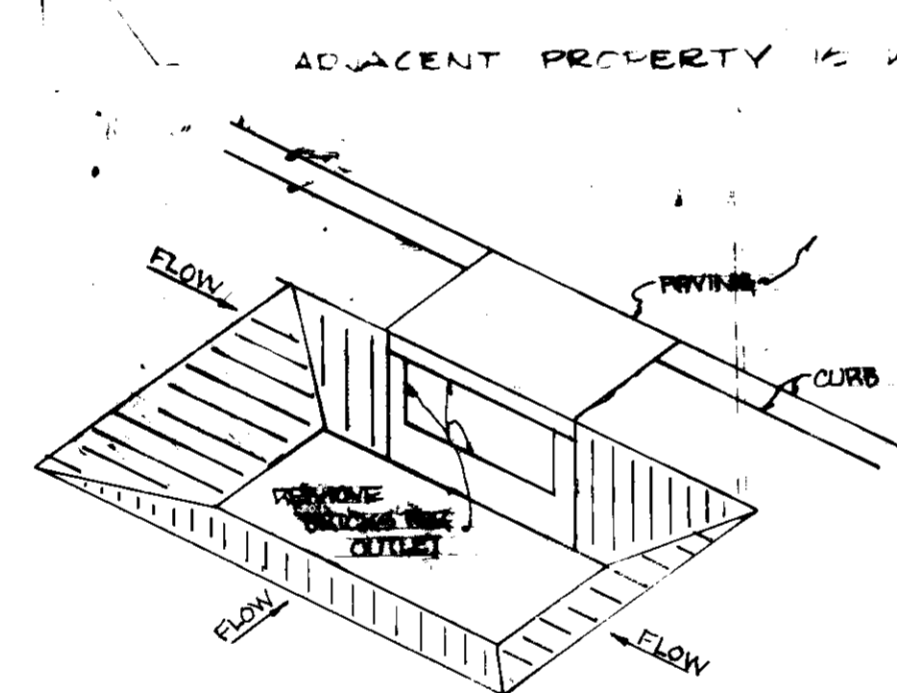
LANDSCAPE & SET BACK PLAN
SEDIMENT CONTROL PLAN



DETAIL 2 CURB & GUTTER SEC.

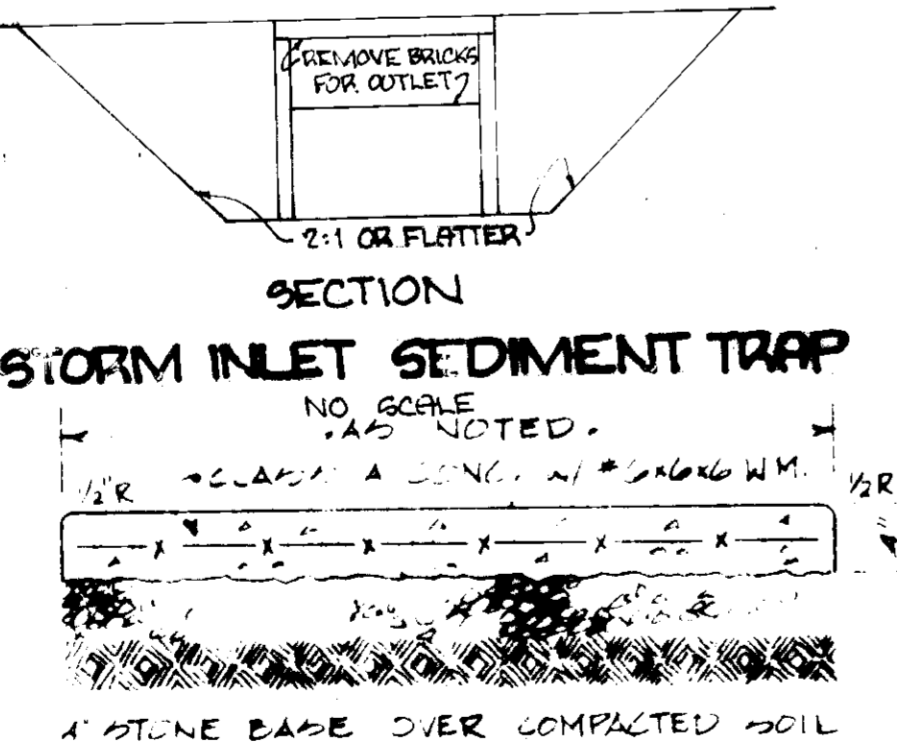
NO SCALE

- PAVING NOTES:
1. PAVEMENT SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 203.04 OF THE HOWARD COUNTY ROAD CONSTRUCTION SPECIFICATIONS.
 2. TACK COAT IS REQUIRED IN ACCORDANCE WITH SECTION 203.04 OF THE HOWARD COUNTY ROAD CONSTRUCTION SPECIFICATIONS.
 3. ALL MATERIALS TO BE USED SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION SPECIFICATIONS AND STANDARD SPECIFICATIONS.



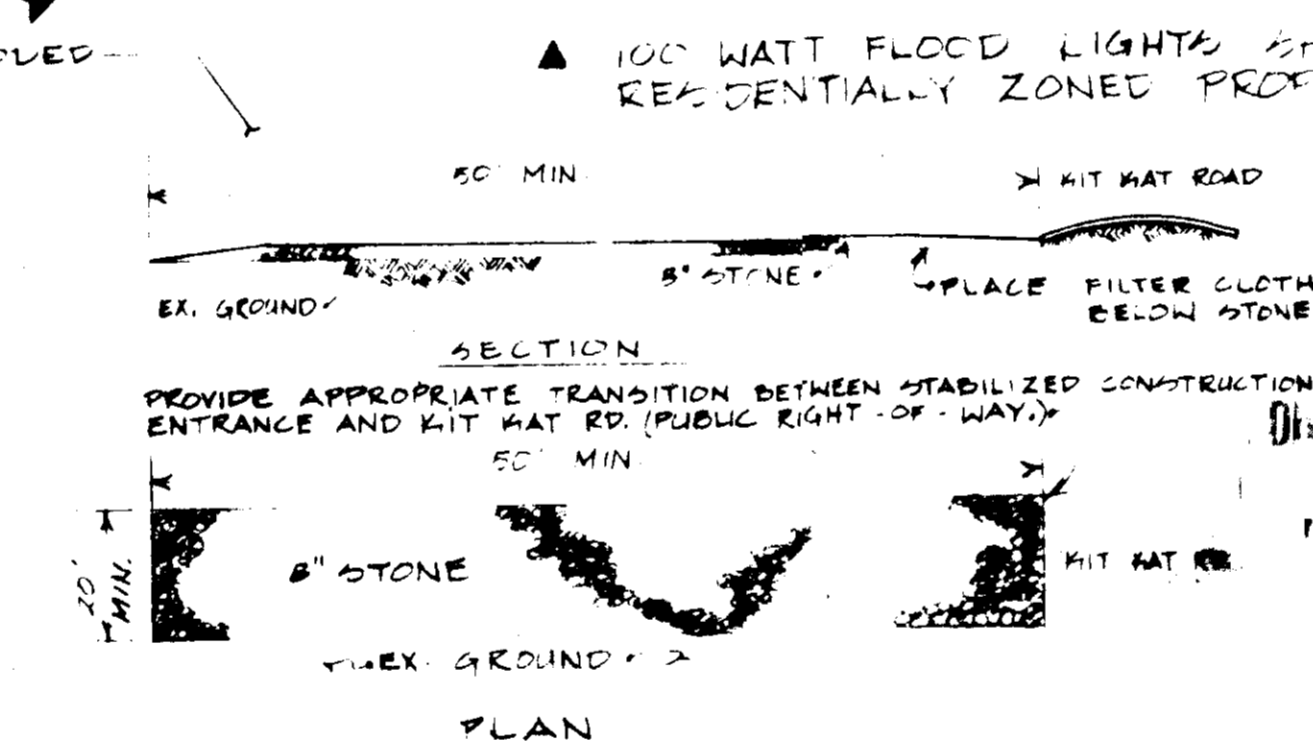
SECTION STORM INLET SEDIMENT TRAP

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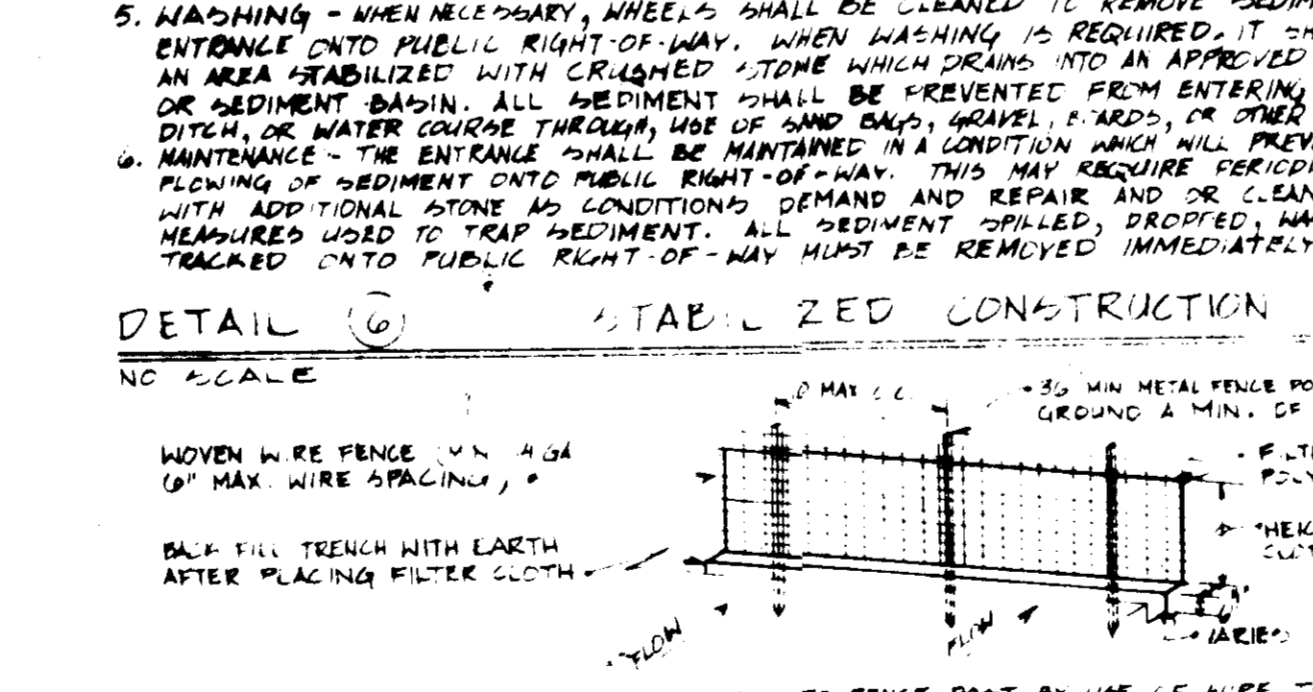
DETAIL 5 SIDEWALK SEC.

NO SCALE



DETAIL 4 STABILIZED CONSTRUCTION ENTRANCE

NO SCALE

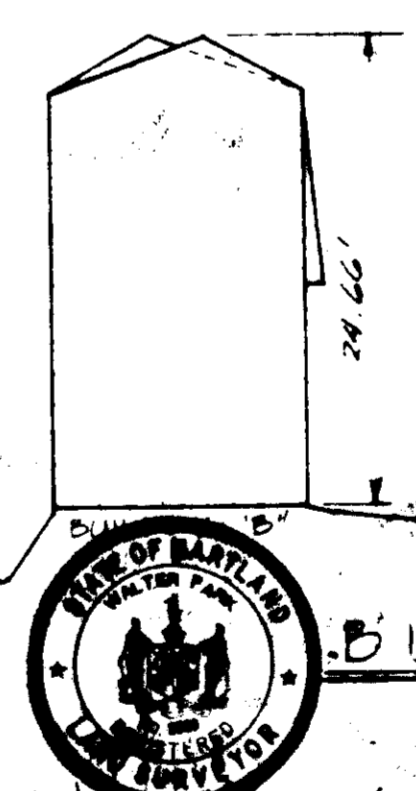


DETAIL 7 SILT FENCE OPTION

NO SCALE

OWNER: LUELLA M. ROBERTS
4622 NOTTINGHAM DR
CHEVY CHASE, MD. 20015

4-21-83



BUILDING PROFILE SEC. 'A'

SCALE: HOR. : 1" = 30.0'
VER. : 1" = 10.0'

I, **Ole Melhersem**, DEVELOPER, do hereby certify that all development and/or construction will be done according to these plans, and that any responsible personnel involved in the construction project will have a certificate of attendance at a department of natural resources approved training program for the control of sediment and erosion before beginning the project.

Ole Melhersem DEVELOPER
DATE: 3/21/83

I, **Howard County**, do hereby certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions. This plan was prepared in accordance with the requirements of the HOWARD SOIL CONSERVATION DISTRICT.

Howard County DATE: 3/21/83

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS

DIRECTOR: **William D. Collier** DATE: 5-31-83
CHIEF, BUREAU OF ENGINEERING

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS

HOWARD COUNTY HEALTH DEPARTMENT
Jorge M. Bond DATE: 6-3-83
COUNTY HEALTH OFFICER

APPROVED: FOR PLANNING AND ZONING

PLANNING DIRECTOR: **John J. ...** DATE: ...
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

THESE PLANS FOR EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Howard County DATE: 5-19-83
HOWARD SOIL CONSERVATION DISTRICT

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

Howard County DATE: 5-19-83
U.S. SOIL CONSERVATION SERVICE

DEVELOPER:
COLUMBIA WELDERS & IRON WORKS INC.
Mr. & Mrs. Ole Melhersem
2706 GARFIELD AVENUE
SILVER SPRING, MD. 20910
PHONE: 301 589-9070

ENGINEER: **HUDJANS ASSOCIATES INC.**
231 JOSEPH ST. JARRE
COLUMBIA, MD. 21044
301 / 730-2060

ARCHITECT: **A Homes & Associates**
10222 CHIEFS STREET
SILVER SPRING, MD. 20901
(301) 593-5121

PROJECT LOCATION DISTRICT: **COLUMBIA WELDERS**
HOME OFFICE BUILDING
7110 MIT WAT RD.
ELK RIDGE, MD. 21227
HOWARD COUNTY, MARYLAND

DRAWING TITLE: **SITE PLAN W/ DETAILS**
REVISION TO SDP-83-02
CHANGED STORM DRAINAGE SYSTEM & SITE GRADING

DRAWN BY: **G.S.S.** SCALE: **AS NOTED**
DRAWING NO.: **5P-2**
SHEET: **2 OF 4**
JOB NO.: **102-82** DATE: **3/21/83**

OWNER: LUELLA M. ROBERTS
 4622 NOTTINGHAM DR.
 CHEVY CHASE, MD. 20015

LUELLA M. ROBERTS
 PARCEL #46 LOT 23
 ZONING M-2

CYRIL G. HARDY
 PARCEL #49
 ZONING M-2-1

HOUSE TRAILER
 ON CONCRETE PAD

1 STORY WOOD FRAME

GEORGE WILLIAM
 PARCEL #45
 ZONING M-2

FREDRICK C. JOHNSON & WIFE
 PARCEL #41
 ZONING M-2

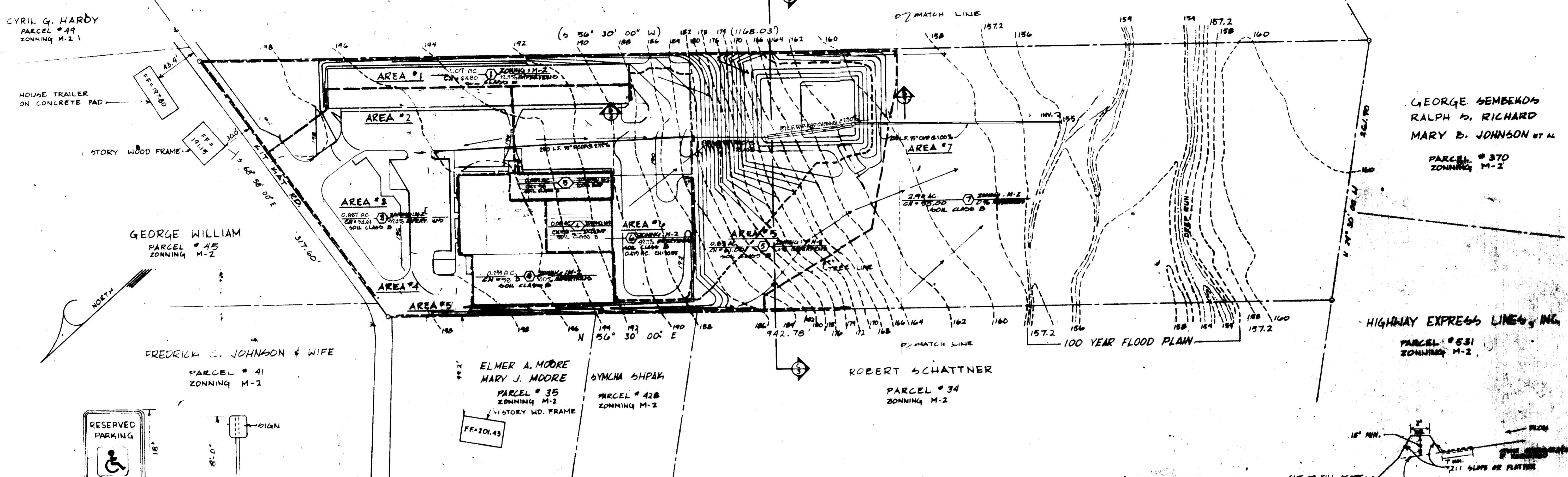
ELMER A. MOORE
 MARY J. MOORE
 PARCEL #35
 ZONING M-2

SYNCHA SHPAK
 PARCEL #42B
 ZONING M-2

ROBERT SCHATNER
 PARCEL #34
 ZONING M-2

GEORGE SEMBEKOS
 RALPH D. RICHARD
 MARY B. JOHNSON ET AL
 PARCEL #370
 ZONING M-2

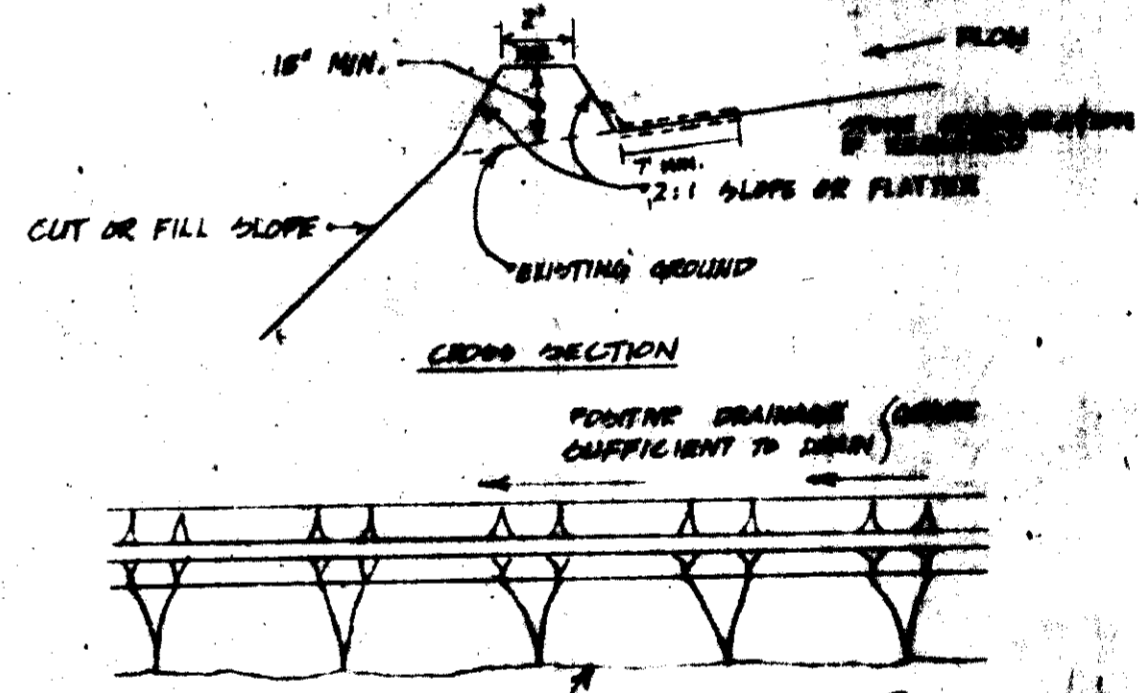
HIGHWAY EXPRESS LINES, INC.
 PARCEL #531
 ZONING M-2



DRAINAGE AREA PLAN

SCALE: 1" = 50'-0"

SIZE	TYPE	LENGTH	REMARKS
4"	P.V.C.	104'	
6"	P.V.C.	399'	
8"	P.V.C.	58'	
15"	R.C.P. C.I.III	325'	
15"	C.M.F.	200'	

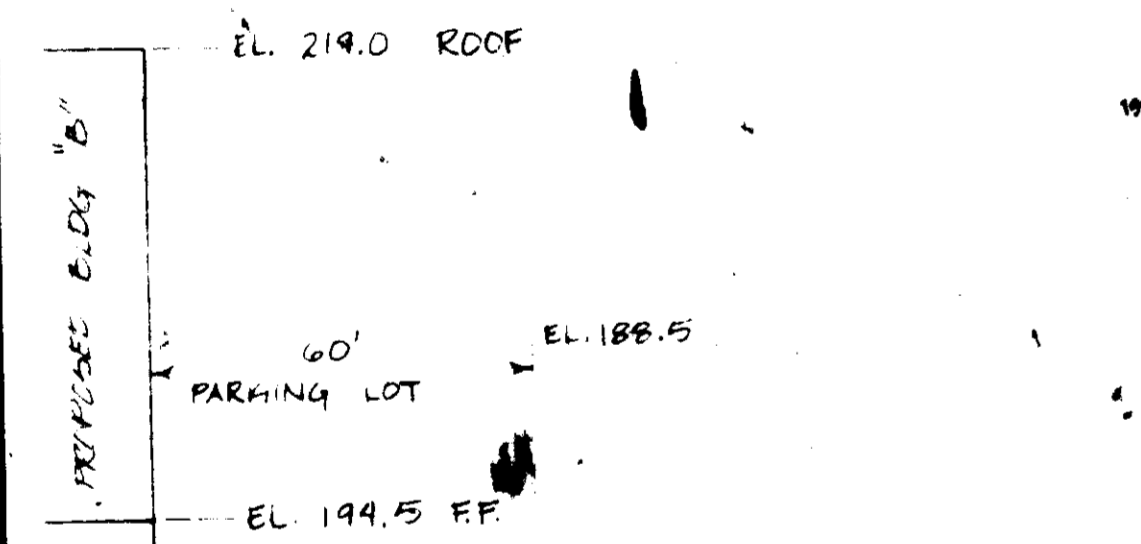


DIVERSION DIKE

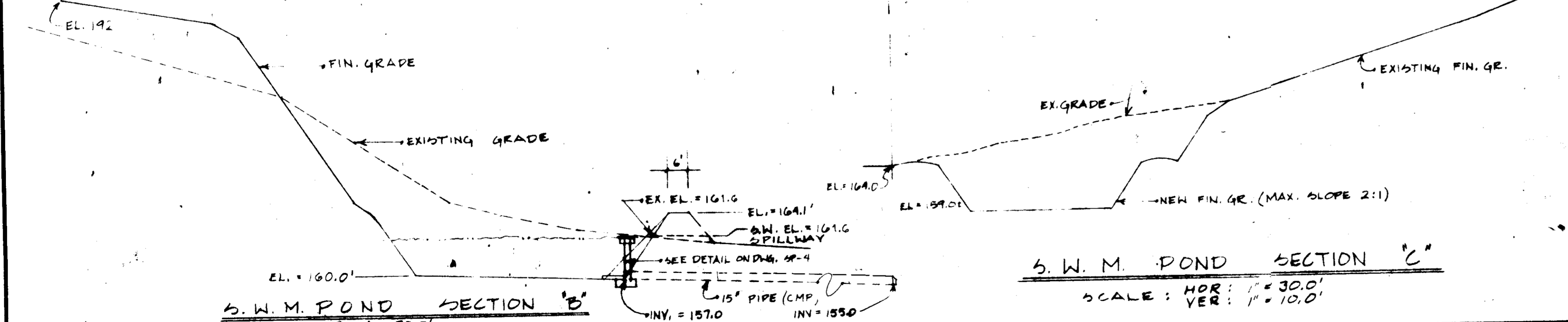
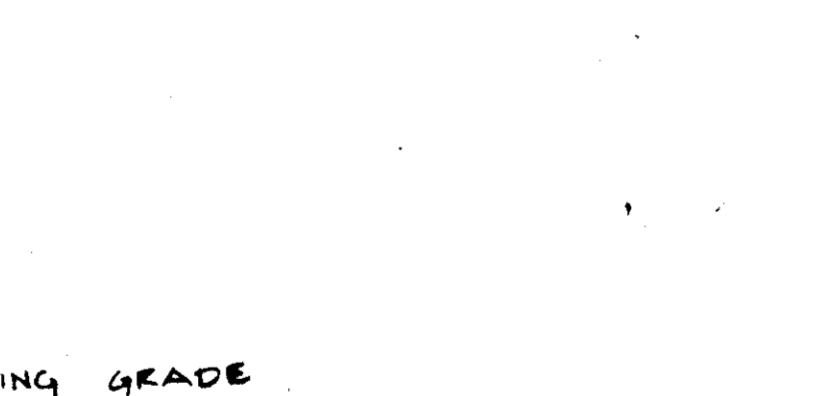
- PLAN VIEW
- SPECIFICATIONS:
- ALL DIVERSION DAMS SHALL BE MAINTAINED.
 - ALL DIVERSION DAMS SHALL HAVE PROPER DRAINAGE TO AN OUTLET.
 - A. DIVERTED RUNOFF FROM A PROTECTED OR STABILIZED AREA SHALL RUNOFF DIRECTLY TO AN UNIMPAIRED STABILIZED AREA OR INTO A LEVEL SPREADER OR GRADE STABILIZATION STRUCTURE.
 - B. DIVERTED RUNOFF FROM A PROTECTED OR STABILIZED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE WITH A SEDIMENT TRAP OF A SEDIMENT BARRIER TO AN AREA PROTECTED BY ONE OF THESE PRACTICES.
 - STABILIZATION AS SPECIFIED BY THE PLANS SHALL BE IN ACCORDANCE WITH STANDARD AND SPECIFICATIONS FOR GRASSY BARRIERS TO BE FURNISHED WITH THE CHANNEL (FLUME AREA). THE AREA SHALL BE LINED WITH STONE THAT MEETS AREA 1. MEET SPEC. NO. 2 OR 2A WHICH IS PLACED IN A 3' DEEP INTO THE SOIL. THE AREA COVERED BY THE STONE SHALL BE THE DESIGN ADVISE.
 - PERIODIC INSPECTION AND MAINTENANCE SHALL BE REQUIRED.



HANDICAPPED PARKING SIGN DETAIL



WHEELCHAIR RAMP DETAIL



S.W.M. POND SECTION 'C'

SCALE: HOR: 1" = 30.0'
 VER: 1" = 10.0'

"I CERTIFY THAT ALL DEVELOPMENT AND OR RESTORATION WILL BE DONE ACCORDING TO THESE PLANS, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT ARE HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT"

De Miller
 OLE HELMERSEN
 DEVELOPER
 3/21/03

"I CERTIFY THAT THIS PLAN HAS BEEN PREPARED BY A QUALIFIED AND EXPERIENCED ENGINEER OR ARCHITECT IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

George Sembechos
 DEVELOPER
 3/21/03

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: _____ DATE: 3-21-03
 CHIEF, BUREAU OF ENGINEERING

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: _____ DATE: 3-21-03

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 PLANNING DIRECTOR: _____ DATE: _____
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

THESE PLANS FOR EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
 HOWARD SOIL CONSERVATION DISTRICT
 DATE: 3-21-03

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR EROSION AND SEDIMENT CONTROL.
 U.S. SOIL CONSERVATION SERVICE
 DATE: 3-21-03

DEVELOPER'S
 COLUMBIA WELDERS & IRON WORKS INC.
 2706 GARFIELD AVENUE
 GLENVIEW SPRING, MD 20910
 PHONE: 301 684-6070

DRAWING TITLE: DRAINAGE AREA PLAN
 DRAWING NO.: 5P-3
 SHEET 3 OF 4
 DATE: 3/21/03

ENGINEERS
 HUDKINS ASSOCIATES, INC.
 231 JOSEPH SQUARE
 COLUMBIA, MD. 21044
 801 / 730-2060

ARCHITECT
 Thomas & Associates
 10888 CHIES BIRCH
 SILVER SPRING, MD. 20901
 301 983-9171

FIRST ELECTION DISTRICT
 COLUMBIA WELDERS
 HOME OFFICE BUILDING
 7110 MIT MAT RD.
 ELK RIDGE, MD. 21227
 HOWARD COUNTY, MD.

REVISIONS:
 REVISION TO 5P-3A OR
 CHANGED LOCAL DRAINAGE SYSTEM
 + SITE GRADING

SCALE: AS NOTED
 DATE: 3/21/03

