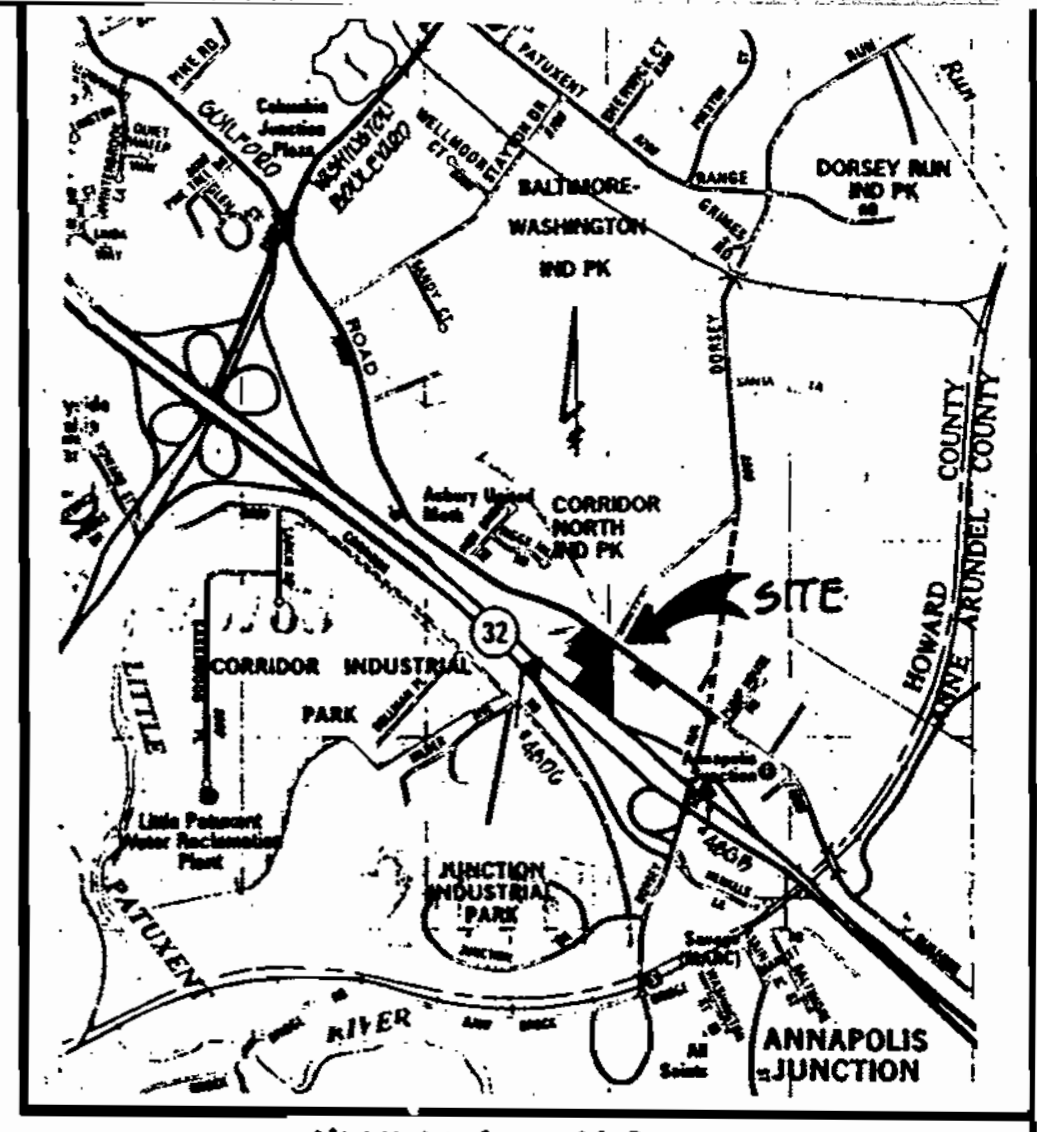
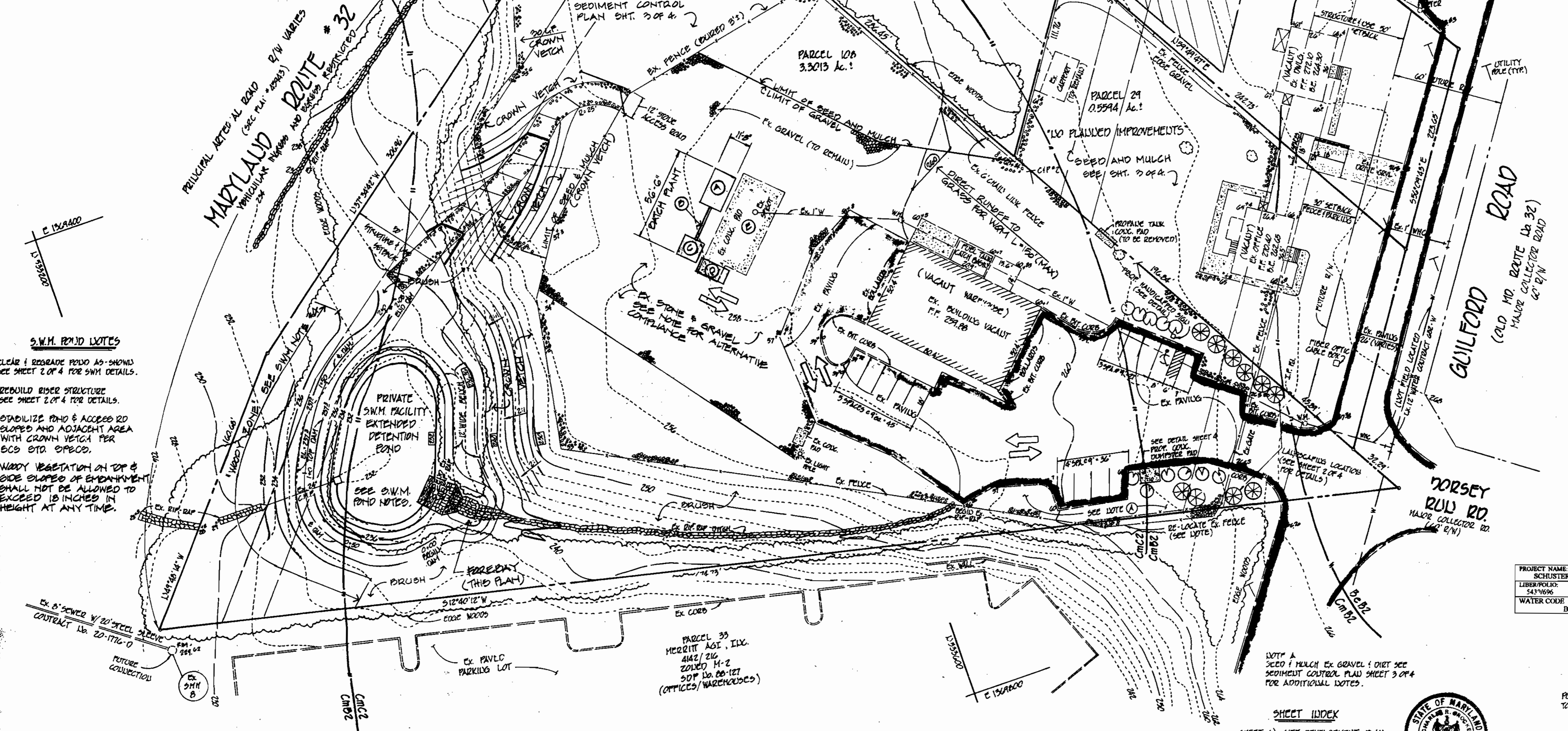


LEGEND:
 --- EXISTING CONTOURS
 --- PROPOSED CONTOURS
 --- PROPERTY LINE

NOTE: ALTERNATIVE COMPLIANCE. THIS PLAN SUBJECT TO ALTERNATIVE COMPLIANCE FOR EXISTING STONE & GRAVEL PERMIT APPROVED 10/18/01



HANDICAPPED SIGN AND POST
NOT TO SCALE



S.W.M. POND NOTES

1. CLEAR & REGRADE POND AS SHOWN. SEE SHEET 2 OF 4 FOR SWM DETAILS.
2. REBUILD RIVER STRUCTURE SEE SHEET 2 OF 4 FOR DETAILS.
3. STABILIZE POND & ACCESS ROAD SLOPES AND ADJACENT AREA WITH CROWN VETCH PER BCS STD. SPEC.
4. WADY VEGETATION ON TOP & SIDE SLOPES OF EMBANKMENT SHALL NOT BE ALLOWED TO EXCEED 18 INCHES IN HEIGHT AT ANY TIME.

- General Notes:** (current site conditions)
1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY AND MD. SBA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
 2. THE CONTRACTOR/DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION DIVISION 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK AT (410) 315-1180.
 3. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO THE START OF WORK.
 4. TRAFFIC CONTROL DEVICES, MARKINGS, AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
 5. ALL PLAN DIMENSIONS ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
 6. TOPOGRAPHY SHOWN IS BASED ON FIELD RUN TOPOGRAPHY BY CHARLES R. CROCKEN AND ASSOCIATES, INC. MARCH 9, 2001.
 7. HORIZONTAL AND VERTICAL DATUMS BASED ON THE ABOVE FIELD RUN SURVEY.
 8. BENCHMARKS:
 Geodetic Survey Control 48GB
 Howard Co. 4th Concrete monument
 N 53230.285 Elev. = 228.699
 E 1376856.797
 9. WATER IS PUBLIC SEWER IS PRIVATE AND IS LIMITED TO PARCELS 28 & 29.
 10. THERE IS NO FLOOD PLAIN ON SITE.
 11. THERE ARE NO WETLANDS ON SITE.
 12. ALL EXTERIOR LIGHTING WILL BE DIRECTED / REFLECTED AWAY FROM ALL ADJACENT PUBLIC ROADS AND RESIDENTIAL ZONED DISTRICTS, IN ACCORDANCE WITH SECTION 13.4 OF THE ZONING REGULATIONS.
 13. THE SUBJECT IS ZONED M-2 PER THE OCTOBER 18, 1993 COMPREHENSIVE ZONING PLAN.
 14. PREVIOUSLY APPROVED SDP NO. 86-104
 15. THIS PLAN IS EXEMPT FROM THE REQUIREMENTS OF ARTICLE 12, FOREST CONSERVATION, BECAUSE ALL IMPROVEMENTS WERE CONSTRUCTED IN ACCORDANCE WITH SDP 86-104 OR PRIOR TO THE EFFECTIVE DATE OF THE REGULATIONS.

SITE ANALYSIS DATA: (Proposed TEMPORARY Concrete Plant)

- A. TOTAL AREA OF PROJECT - 4.405 ACRES
- B. DISTURBED AREA - 1.48 ACRES
- C. ZONED M-2
- D. PROPOSED USE EX STEEL BLDG. - WAREHOUSE/MANUFACTURING
 EX OFFICE BLDG. - VACANT
 EX DWELLING - VACANT
- E. FLOOR SPACE EX STEEL BLDG. - 4000 SF
 EX OFFICE BLDG. - 916 SF
 EX DWELLING - 936 SF
- F. MAX. # EMPLOYEES ON SITE:
 EX OFFICE BLDG. - VACANT
 EX DWELLING - 1/2 ANT
 EX STEEL BLDG. - NO FULL TIME EMPLOYEES
- G. # OF PAR. LINES REQUIRED:
 EX OFFICE BLDG. - 3.3 SPACES / 1000SF X 936SF
 EX DWELLING - 2 SPACES DWELLING
 EX STEEL BLDG. - 2 SPACES / 1000SF X 4000SF
 TOTAL SPACES REQUIRED = 8 SPACES
- H. # OF PARKING SPACES PROVIDED = 14 SPACES
 1. BUILDING COVERAGE OF SITE: 13 ACRES AND 2.95% OF GROSS AREA.

PLAN OF CURRENT SITE CONDITIONS
 FORMERLY LEHNERT PROPERTY SDP 86-104
 PURPOSE OF PLAN:
 TO OBTAIN APPROVAL OF CURRENT SITE CONDITIONS.

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 DATE: 11/30/01
 CHIEF, DIVISION OF LAND DEVELOPMENT
 DATE: 11/30/01
 COUNTY HEALTH OFFICER
 HOWARD COUNTY HEALTH DEPARTMENT
 DATE: 11/29/01

ENGINEER'S CERTIFICATE
 I CERTIFY THAT THIS PLAN SEDIMENT AND EROSION 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.
 DATE: 11/29/01

DEVELOPER'S CERTIFICATE
 I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT AND EROSION CONTROL, AND THAT ALL RESPONSIBLE PERSONNEL 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. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.
 DATE: 11/29/01

GENERAL NOTES CONTINUED:

16. CURRENT LAND USE = PROPOSED LAND USE EXCEPT FOR AREAS TO BE STABILIZED WITH SEED & MULCH FOR WRM. THERE ARE NO PLANNED PERMANENT IMPROVEMENTS THIS SUBMISSION.
17. SWM FOR THIS SITE BASED ON ACTUAL IMPEY AREA. ANY ADDITIONAL DEVELOPMENT ON THIS SITE WILL REQUIRE COUNTY APPROVAL.
18. FOR SWM INFORMATION SEE SHEET 2 OF 4.

LEGEND
 TEMPORARY DITCH PLAN
 (1) AGGREGATE DITCH
 (2) CONVEYOR
 (3) MIXING TOWER (ENCLOSED)
 (4) WATER TANK
 (5) WATER RECLAMATION

APPLICANT:
 SCHUSTER CONCRETE
 C/O DAN SCHUSTER
 3717 S2 NEW PLANT COURT
 OWINGS MILLS, MD. 21117-3514
 PHONE #: 410-428-8538



OWNER/DEVELOPER:
 DLD GUILFORD ROAD LLC
 525 NEW PLANT COURT
 P.O. BOX 604
 OWINGS MILLS, MD 21117
 DEED REF: 8490/604
 (04-24-01)

ADDRESS CHART

LOT NO.	STREET ADDRESS
PARCEL 28	10760 GUILFORD RD.
PARCEL 29	10782 GUILFORD RD.
PARCEL 108	10798 GUILFORD RD.

CHARLES R. CROCKEN AND ASSOCIATES, INC.
 CIVIL ENGINEERING - LAND PLANNING
 P.O. BOX 307
 WESTMINSTER, MARYLAND 21157
 TEL. (410) 584-2100

SHEET INDEX

- SHEET 1) SITE DEVELOPMENT PLAN
- SHEET 2) S.W.M. DETAILS
- SHEET 3) SEDIMENT CONTROL PLAN
- SHEET 4) DRAINAGE AREA MAP



DATE	REVISION	BY	DESCRIPTION
10/5	REV. PER. HOW. CO. COM. ADDED PLANT	CBC	
9/01	REV. PER. HOW. CO. D.D. & DED COMMENTS	CRG	
6/01	PER HOWARD COUNTY COMMENTS		

TITLE: SITE DEVELOPMENT PLAN
PROJECT: SCHUSTER CONCRETE
 LOCATION: 6TH ELECTION DISTRICT HOWARD COUNTY, MD.
 TAX MAP 40 PARCELS 28, 29 & 108
 SCALE: 1" = 30'
 DESIGNED BY: C.H.C.
 DRAWN BY: C.R.C.
 CHECKED BY: C.R.C.
 DATE: APRIL, 2001
 SHEET 1 OF 4

PERMANENT SEEDING NOTES

APPLY PERMANENT SEEDING TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.

SEED BED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY BAKING OR DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING IF SOIL HAS NOT BEEN PREVIOUSLY LOOSENED.

SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING METHODS:

1. PREFERRED METHOD: APPLY 2 TONS/ACRE OF DOLOMITIC LIMESTONE (23 LBS/1000 S.F.) BEFORE SEEDING, BARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS/ACRE OF 30-0-0 UREAFORM FERTILIZER. (19 LBS/1000 S.F.).
2. ACCEPTABLE METHOD: APPLY 2 TONS/ACRE OF DOLOMITIC LIMESTONE (23 LBS/1000 S.F.) AND 1000 LBS/ACRE OF 10-10-10 FERTILIZER (23 LBS/1000 S.F.) BEFORE SEEDING, BARROW OR DISC INTO UPPER THREE INCHES OF SOIL.

SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 60 LBS PER ACRE (11.4 LBS/1000 S.F.) OF KENTUCKY 31 TALL FESCUE AND 2 LBS PER ACRE (0.05 LBS/1000 S.F.) OF HEIFER LOGGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, PROTECT THE 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 KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS PER ACRE WELL ANCHORED STRAW.

MULCHING: APPLY 15 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 S.F.) OF UNROOTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALS PER ACRE 15 GALS/1000 S.F. OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 6 FT. OR HIGHER, USE 248 GALS PER ACRE 15 GALS/1000 S.F. FOR ANCHORING.

MAINTENANCE: INSPECT ALL SEEDING AREAS AND MAKE NECESSARY REPAIRS, RESEEDING AND REPLACEMENTS.

TEMPORARY SEDIMENT CONTROL MEASURES

APPLY TEMPORARY SEEDING TO GRADED OR CLEARED AREAS LIKELY TO BE DISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

SEED BED PREPARATION: LOOSEN THE UPPER THREE INCHES OF SOIL BY BAKING OR DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF SOIL HAS NOT BEEN PREVIOUSLY LOOSENED.

SOIL AMENDMENTS: APPLY 600 LBS./ACRE 10-10-10 FERTILIZER EQUIVALENT TO 1 1/4 LBS/1000 SQ. FT.

SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU NOVEMBER 15, SEED WITH 24 MUMBLE/ACRE OF ANNUAL RYE, 3.2 LBS/1000 S.F. FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS/ACRE OF HEIFER LOGGRASS, 6.7 LBS/1000 S.F. FOR THE PERIOD NOVEMBER 15 THRU FEBRUARY 28 PROTECT SITE BY APPLYING 2 TONS OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOD.

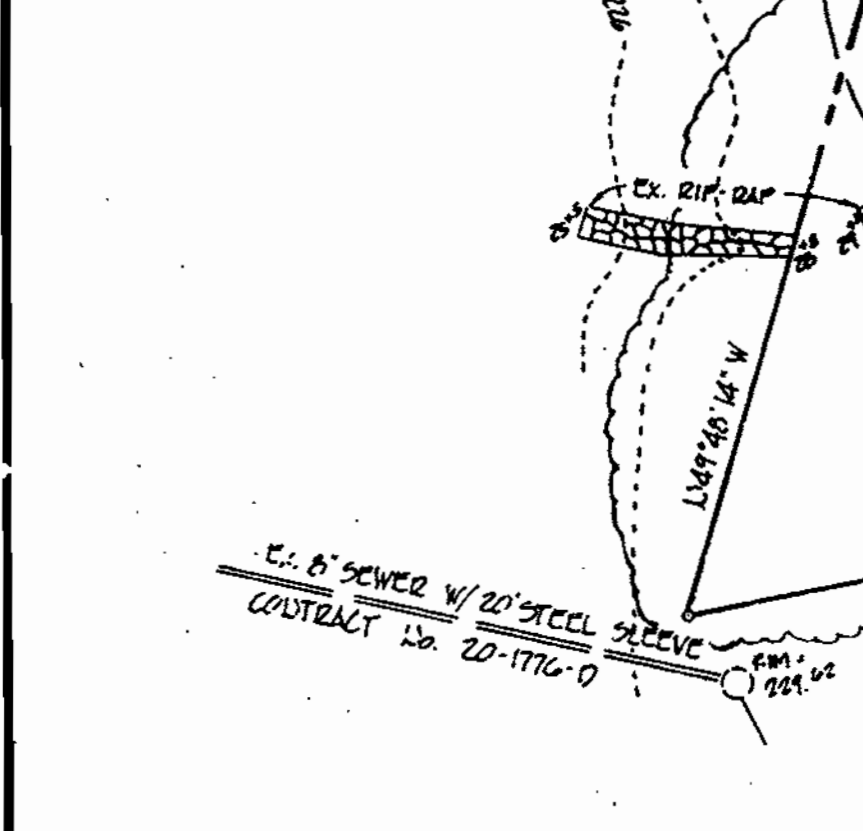
MULCHING: APPLY 15 TO 2 TONS/ACRE, 70 TO 90 LBS/1000 S.F. OF UNROOTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALS PER ACRE 15 GALS/1000 S.F. OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES, 6 FT. OR HIGHER, USE 248 GALS PER ACRE 15 GALS/1000 S.F. FOR ANCHORING.

REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATES AND METHODS NOT COVERED HEREIN.

GENERAL NOTES FOR SEDIMENT CONTROL

1. A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION TEL: (410) 992-2437.
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 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
3. FOLLOWING INITIAL SOIL DISTURBANCE OR RESTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 21 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES INCLUDING DIKES PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 3:1. 1) 14 DAYS AS TO ALL OTHER DISTURBED AREAS ON THE PROJECT SITE.
4. ALL SEDIMENT TRAP/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAP. 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 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. SECTION C - VEGETATIVE PRACTICES FOR PERIMETER SEDIMENT CONTROL; SECTION I - TEMPORARY SEEDINGS SECTION II; PERMANENT SEEDINGS SECTION III. SOIL SECTION I: TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN THE 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 PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
7. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY CONSTRUCTION OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
8. ADDITIONAL SEDIMENT CONTROL MEASURES MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
9. ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2.0 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF THE INSTALLATION OF PERIMETER SEDIMENT CONTROL STRUCTURES, AND BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
10. SITE ANALYSIS:
 - TOTAL AREA OF SITE = 4.40 ACRES
 - AREA DISTURBED = 1.03 ACRES
 - AREA TO BE ROOFED OR PAVED = 1.29 ACRES (IMP)
 - AREA TO BE VEGETATED/STABILIZED = 2.08 ACRES
 - TOTAL VOLUME OF CUT = N/A
 - TOTAL VOLUME OF FILL = N/A
 - OFFSITE WASTE/BORROW AREA LOCATION = N/A

NOTE: FOR SWM QUANTITY INFO SEE TABLE 301A, 301B



APPROVED: DEPARTMENT OF PLANNING AND ZONING
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 DATE: 11/9/01

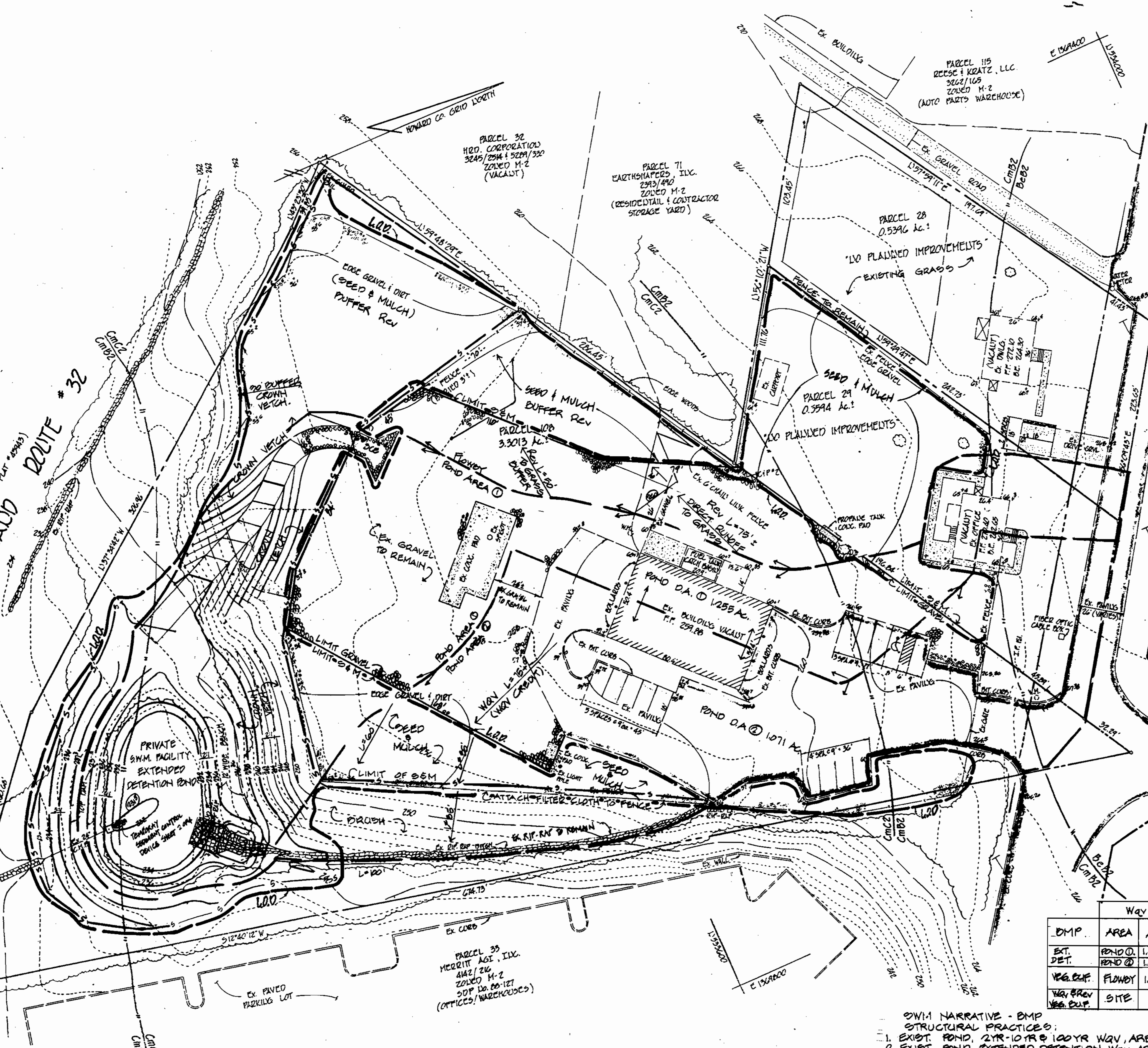
APPROVED: DEPARTMENT OF LAND DEVELOPMENT
 CHIEF, DIVISION OF LAND DEVELOPMENT
 DATE: 11/30/01

APPROVED: FOR PUBLIC WATER AND PRIVATE SEWERAGE SYSTEMS
 COUNTY HEALTH OFFICER
 DATE: 11/29/01

ENGINEER'S CERTIFICATE
 I CERTIFY THAT THIS PLAN AND SEDIMENT AND EROSION 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.
 CHARLES R. CROCKEN, P.E. 7803 42301

DEVELOPER'S CERTIFICATE
 I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT AND EROSION CONTROL, AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED BY THE CONTRACTOR FROM POINT OF ATTENTION AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE COMMENCING THE PROJECT. I WILL PROVIDE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY CONSERVATION DISTRICT.
 Jim Mayo 11/6/01
 John Klautman 11/6/01

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS
 Jim Mayo 11/6/01
 John Klautman 11/6/01



APPROVED: DEPARTMENT OF PLANNING AND ZONING
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 DATE: 11/9/01

APPROVED: DEPARTMENT OF LAND DEVELOPMENT
 CHIEF, DIVISION OF LAND DEVELOPMENT
 DATE: 11/30/01

APPROVED: FOR PUBLIC WATER AND PRIVATE SEWERAGE SYSTEMS
 COUNTY HEALTH OFFICER
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 Jim Mayo 11/6/01
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REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS
 Jim Mayo 11/6/01
 John Klautman 11/6/01

STATE OF MARYLAND
 CHARLES R. CROCKEN
 PROFESSIONAL ENGINEER
 No. 7803

STATE OF MARYLAND
 JIM MAYO
 PROFESSIONAL ENGINEER
 No. 10790

STATE OF MARYLAND
 JOHN KLAUTMAN
 PROFESSIONAL ENGINEER
 No. 10790

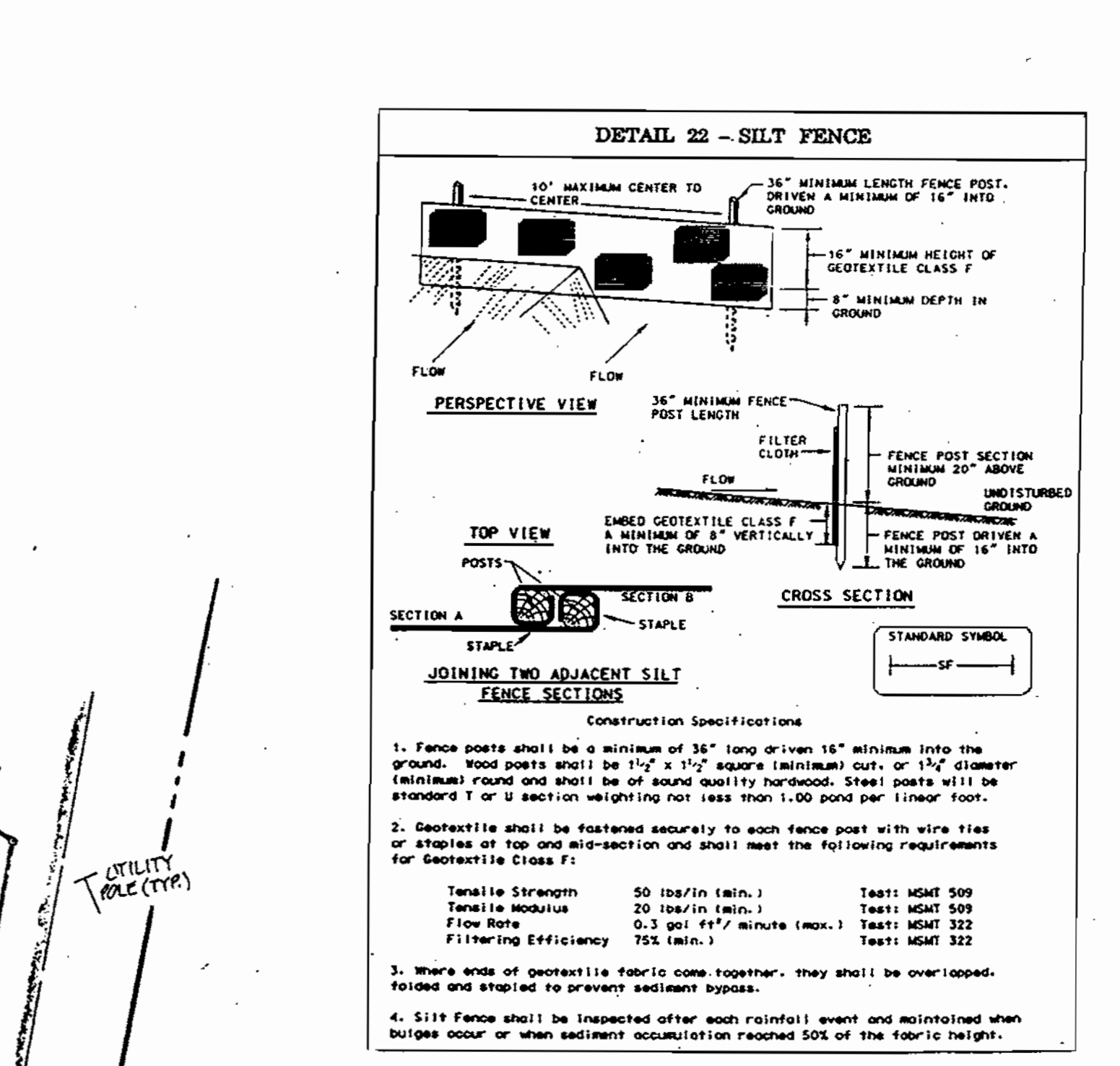
4-23-01
 TITLE: SEDIMENT CONTROL PLAN
 PROJECT: SCHUSTER CONCRETE
 LOCATION: 6TH ELECTION DISTRICT, HOWARD COUNTY, MD.
 TAX MAP: 48 PARCELS: 28, 29, 120
 SCALE: 1"=30'
 DRAWN BY: C.H.C.
 CHECKED BY: C.R.C.
 DATE: APRIL 2001
 SHEET # 3 of 4

10/5 REV. PER HOW. CO. ADDED TABLE & D.A. C.R.C.
 9/01 PER HOWARD CO. DEO COMMENTS C.R.C.
 6/01 PER HOWARD COUNTY COMMENTS C.R.C.

DATE: APRIL 2001

REVISION BY

CHARLES R. CROCKEN AND ASSOCIATES, INC.
 CIVIL ENGINEERING/LAND PLANNING
 P.O. BOX 207
 WESTMINSTER, MARYLAND 21157
 TEL (410) 544-2105
 FAX (410) 544-1005



- Construction Specifications
1. Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" square (minimum) cut, or 1 1/2" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard I or H section with top not less than 1-00 good steel.
 2. Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F:
 Tensile Strength 50 lbs/in (min); Test: MSMT 509
 Tear/Impact 20 lbs/in (min); Test: MSMT 509
 Flow Rate 0.3 gal/ft²/minute (max); Test: MSMT 322
 Filtering Efficiency 75% (min); Test: MSMT 322
 3. Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.
 4. Silt fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reaches 50% of the fabric height.

NOTE: FOR SWM QUANTITY INFO SEE TABLE 301A, 301B

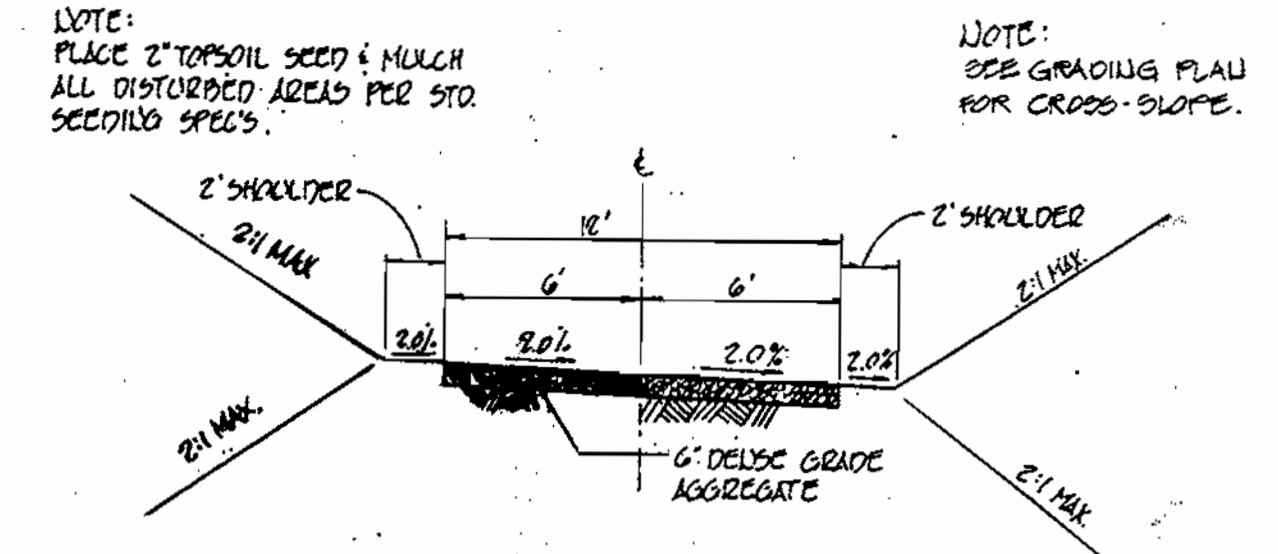
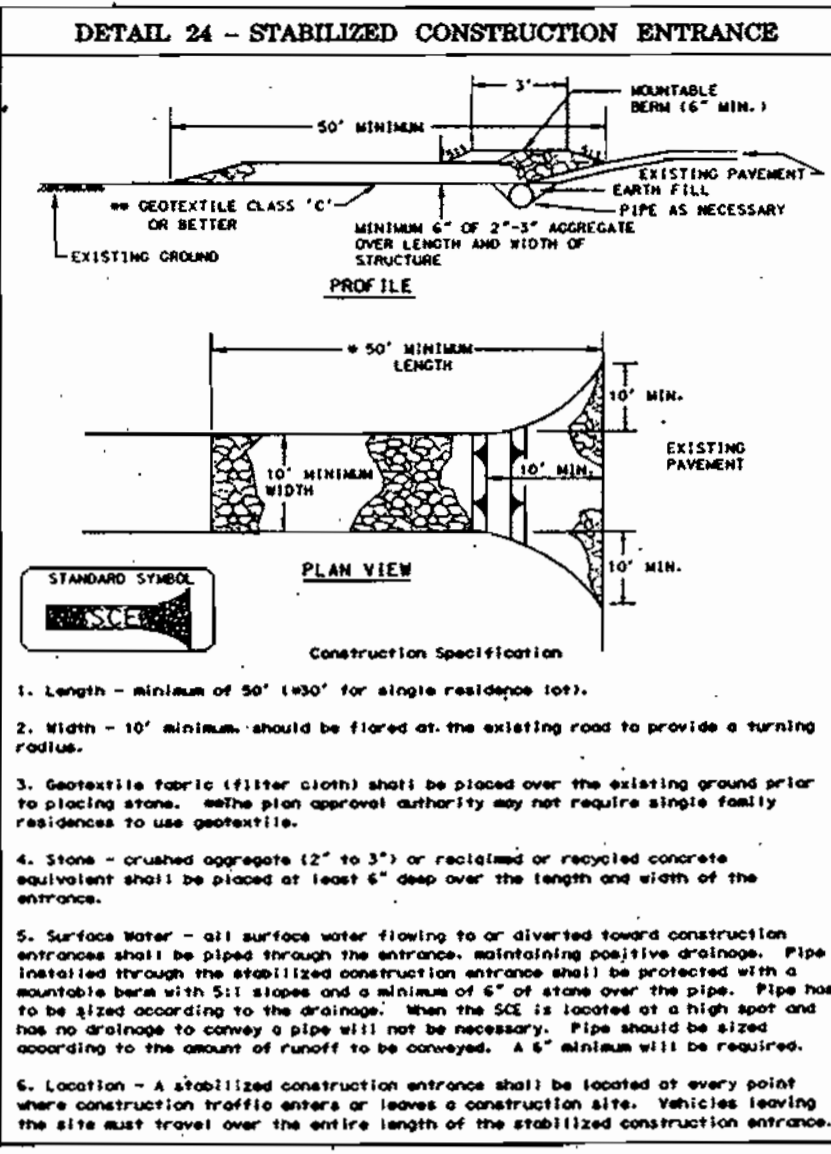
WQV	WATER QUALITY DATA - (STREAM CLASS I)				WATER QUALITY MANAGEMENT				WATER RETENTION			
	AREA AC	D.A. ACRES	IMPERV %	Ry	WQV STORAGE	WQV PROV.	Q.A. ACRES	IMP ACRES	REV PER' D	REV PER' D	PERCENT AREA METHOD	PERCENT AREA METHOD
DMP												
EXT. DET.	POND @ 1.255	2.926	0.714	0.01	1,200	1,025						
VEG. BUF.	FLOWBY 1.224	-	0.177	14%	VEG.	BUFFER						
WQV SERV. WQV BUF.	SITE -	3.55	-	-			0.55	0.891	13%	0.12 AC	20%	0.177 (FLOWBY)

* DENOTES % IMPERV. AREA TO BE TREATED BY NON-STRUCTURAL PRACTICE PER REV.

DRAINAGE AREA MAP AND PLAN PROPOSED CONDITIONS

4-23-01
 TITLE: SEDIMENT CONTROL PLAN
 PROJECT: SCHUSTER CONCRETE
 LOCATION: 6TH ELECTION DISTRICT, HOWARD COUNTY, MD.
 TAX MAP: 48 PARCELS: 28, 29, 120
 SCALE: 1"=30'
 DRAWN BY: C.H.C.
 CHECKED BY: C.R.C.
 DATE: APRIL 2001
 SHEET # 3 of 4

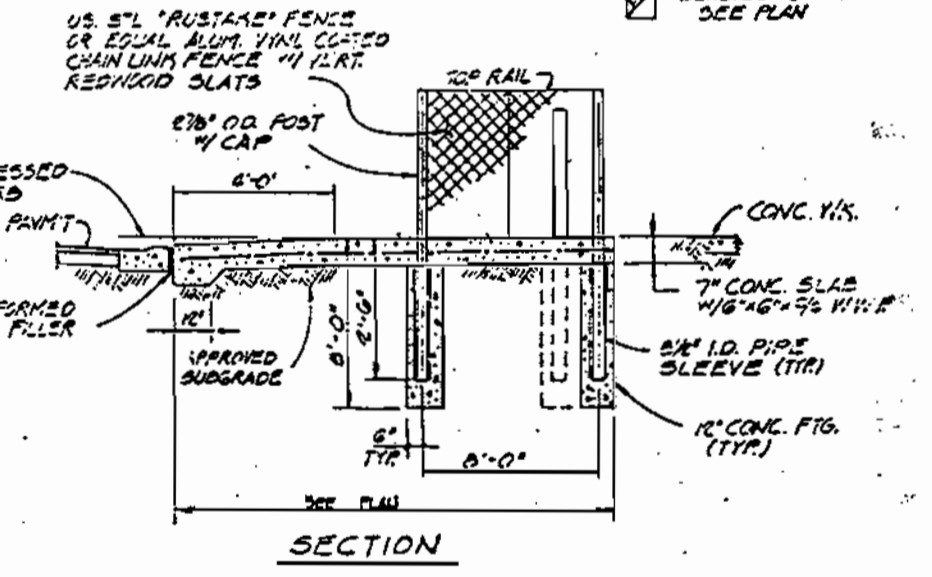
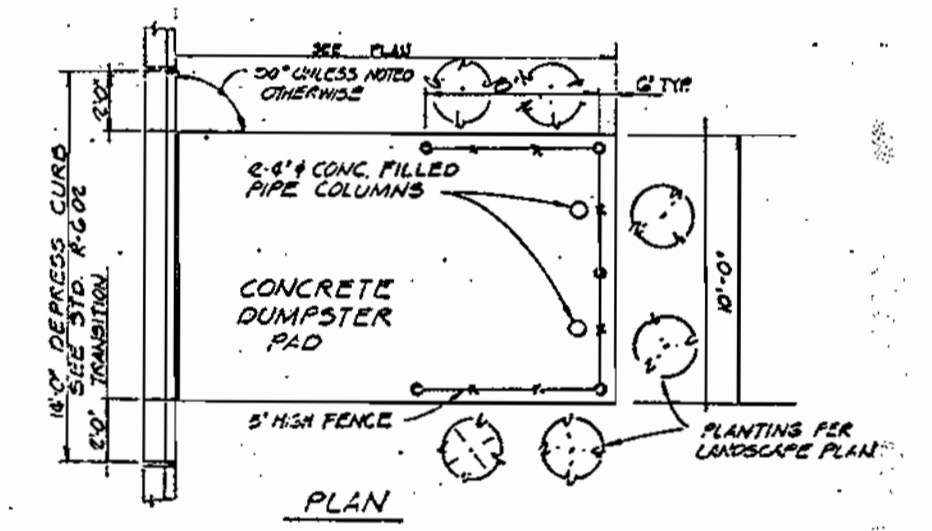
CHARLES R. CROCKEN AND ASSOCIATES, INC.
 CIVIL ENGINEERING/LAND PLANNING
 P.O. BOX 207
 WESTMINSTER, MARYLAND 21157
 TEL (410) 544-2105
 FAX (410) 544-1005



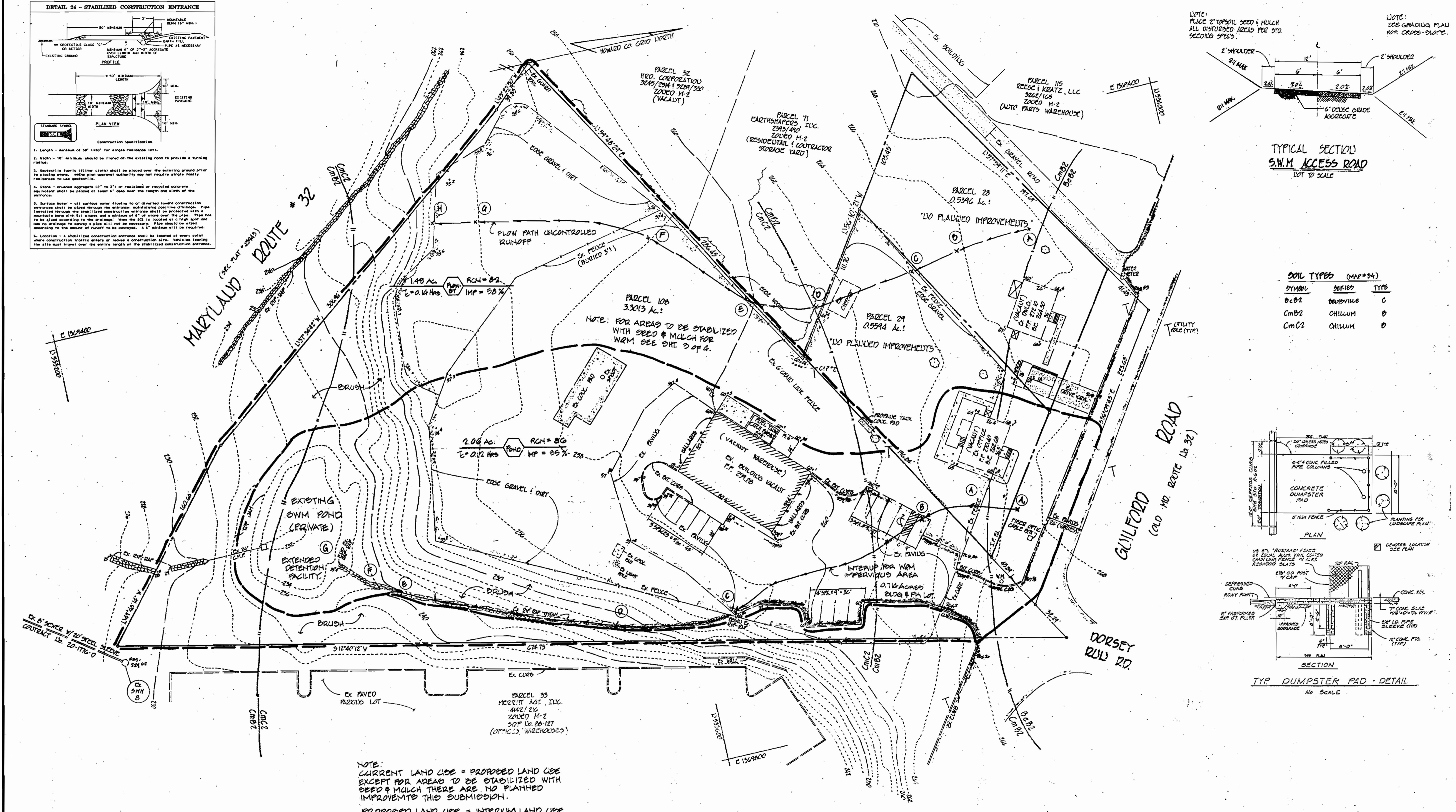
TYPICAL SECTION
S.W.M. ACCESS ROAD
NOT TO SCALE

SOIL TYPES (MAP #34)

SYMBOL	SERIES	TYPE
CcB2	DEWENHUB	C
CmB2	CHILLUM	B
CmC2	CHILLUM	D



TYP. DUMPSTER PAD - DETAIL
NO SCALE



NOTE:
CURRENT LAND USE = PROPOSED LAND USE
EXCEPT FOR AREAS TO BE STABILIZED WITH
SEED & MULCH THERE ARE NO PLANNED
IMPROVEMENTS THIS SUBMISSION.

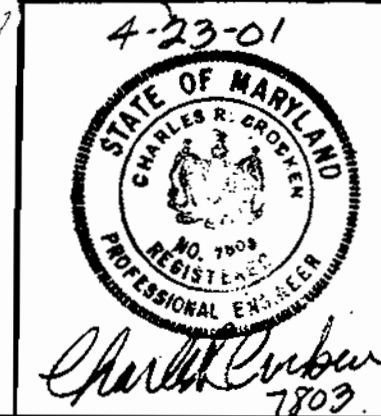
PROPOSED LAND USE = INTERIM LAND USE
PERMANENT IMPROVEMENTS TO BE CONSTRUCTED
UNDER FUTURE SDP.

* STORM WATER MANAGEMENT DATA *(SEE NOTE)

AREA	EXISTING CONDITIONS			DEVELOPED CONDITIONS		
	I. hrs	RCH	AREA	I. hrs	RCH	AREA
FLOWDY	0.14	82	149 ac.	0.15	74	1,224 ac.
POND	0.12	86	206 ac.	0.12	84	2,326 ac.

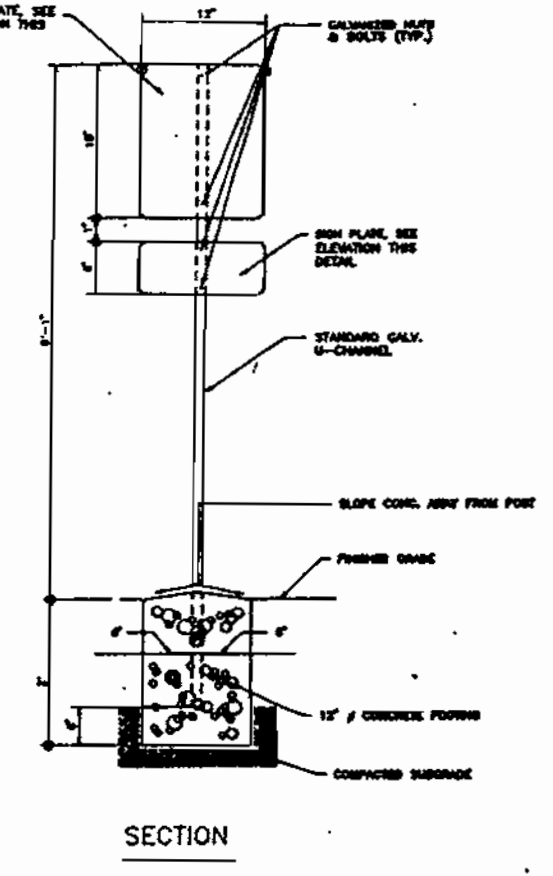
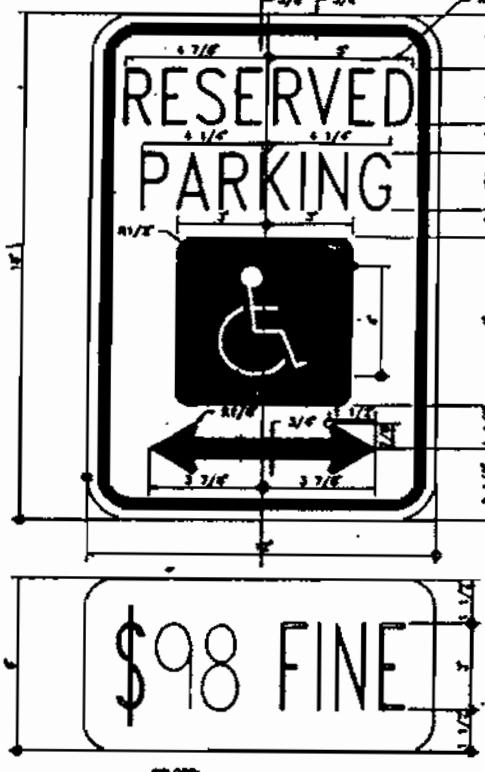
* NOTE: STORM WATER MANAGEMENT FOR THIS SITE IS BASED
ON ACTUAL IMPERVIOUS COVER. ANY ADDITIONAL DEVELOPMENT
WILL REQUIRE RE-EVALUATION OF THE STORMWATER MANAGEMENT DESIGN.

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 [Signature] 11/6/01
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 [Signature] 11/30/01
 CHIEF, DIVISION OF LAND DEVELOPMENT
 [Signature] 11/30/01
 DIRECTOR
 APPROVED FOR PUBLIC WATER AND PRIVATE SEWERAGE SYSTEMS
 [Signature] 11/29/01
 COUNTY HEALTH OFFICER
 HOWARD COUNTY HEALTH DEPARTMENT



TITLE: DRAINAGE AREA MAP	PROJECT: SCHUSTER CONCRETE	DATE: 4/23/01
LOCATION: 6TH ELECTION DISTRICT, HOWARD CO. MARYLAND	TAX MAP: 47	PARCELS: 2821 & 106
SCALE: AS SHOWN	DESIGNED BY: C.H.C.	DRAWN BY: C.H.C.
CHECKED BY: C.H.C.	DATE: 4/20/01	DRAWING NO.: SHEET 4 OF 4

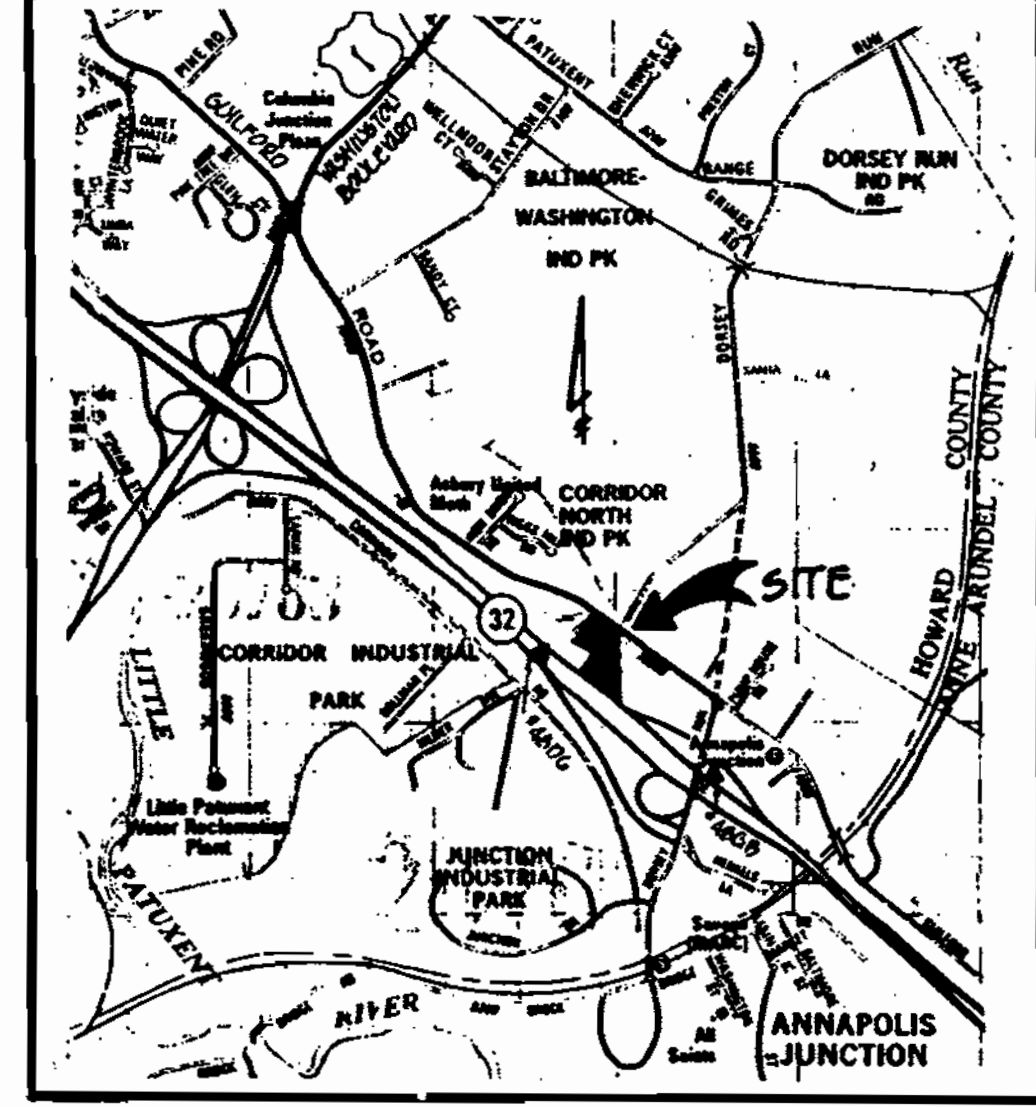
CHARLES R. CROCKER
AND ASSOCIATES, INC.
CIVIL ENGINEERS - LAND PLANNING
P.O. BOX 507
WESTMINSTER, MARYLAND 21157
TEL (410) 541-2700
FAX (410) 541-9063



LEGEND:
 EXISTING CONTOURS
 PROPOSED CONTOURS
 PROPERTY LINE

WATER MAIN LEGEND
 W-M = HIGH PRESSURE WATER
 W = POTABLE WATER
 W-V = VALVE
 W-M = WATER METER
 W-P = BACKFLOW PREVENTER
 W-R = PRESSURE REDUCING VALVE
 W-P = WATER PUMP

NOTE: ALTERNATIVE COMPLIANCE.
 THIS PLAN SUBJECT TO ALTERNATIVE COMPLIANCE FOR EXISTING SOILS & GRAVEL PERMIT APPROVED 10/18/01



VICINITY MAP
 SCALE: 1"=200'

- General Notes:** (current site conditions)
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY AND MD. SHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
 - THE CONTRACTOR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTOR IN DIVISION 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK AT (410) 313-1880 PRIOR TO THE START OF WORK.
 - THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO THE START OF WORK.
 - TRAFFIC CONTROL DEVICES, MARKINGS, AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
 - ALL PLAN DIMENSIONS ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
 - TOPOGRAPHY SHOWN IS BASED ON FIELD RUN TOPOGRAPHY BY: CHARLES R. CROCKEN AND ASSOCIATES, INC. MARCH 9, 2001
 - HORIZONTAL AND VERTICAL DATUMS BASED ON: HIS ABOVE FIELD RUN SURVEY.
 - BENCHMARKS:
 Geodetic Survey Control 480B
 Howard Co. Md. Concrete monument
 N 535541.285
 E 1370623.787
 Elevation = 228.999
 Geodetic Survey Control 481B
 Howard Co. Md. Concrete monument
 N 535541.902
 E 1368856.922
 Elevation = 228.773
 - WATER IS PUBLIC SEWER IS PRIVATE AND IS LIMITED TO PARCEL 28 ONLY
 - THERE IS NO FLOOD PLAIN ON SITE.
 - THERE ARE NO WETLANDS ON SITE.
 - ALL EXTERIOR LIGHTING WILL BE DIRECTED / REFLECTED AWAY FROM ALL ADJACENT PUBLIC ROADS AND RESIDENTIAL ZONED DISTRICTS, IN ACCORDANCE WITH SECTION 134 OF THE ZONING REGULATIONS.
 - THE SUBJECT IS ZONED M-2 PER THE OCTOBER 18, 1995 COMPREHENSIVE ZONING PLAN.
 - PREVIOUSLY APPROVED SDP NO. 86-104
 - THIS PLAN IS EXEMPT FROM THE REQUIREMENTS OF ARTICLE 12, FOREST CONSERVATION, BECAUSE ALL IMPROVEMENTS WERE CONSTRUCTED IN ACCORDANCE WITH SDP 86-104 OR PRIOR TO THE EFFECTIVE DATE OF THE REGULATIONS.

SITE ANALYSIS DATA: (P. proposed Temporary Concrete Plant)

A. TOTAL AREA OF PROJECT	4.4003 ACRES
B. DISTURBED AREA	1.43 ACRES
C. ZONED M-2	
D. PROPOSED USE	EX. STEEL BLDG. - WAREHOUSE/MANUFACTURING EX. OFFICE BLDG. - VACANT EX. DWELLING - VACANT
E. FLOOR SPACE	EX. STEEL BLDG. - 4000 SF EX. OFFICE BLDG. - 936 SF EX. DWELLING - 936 SF
F. MAX. # EMPLOYEES ON SITE	EX. OFFICE BLDG. - VACANT EX. DWELLING - VACANT EX. STEEL BLDG. - NO FULL TIME EMPLOYEES
G. # OF PAVING SPACES REQUIRED	EX. OFFICE BLDG. - 33 SPACES / 1000SF X 936SF EX. DWELLING - 2 SPACES DWELLING EX. STEEL BLDG. - 2 SPACES / 1000SF X 4000SF NONI REQUIRED NONE EX. USED TOTAL SPACES REQUIRED = 3 SPACES
H. # OF PARKING SPACES PROVIDED	14 SPACES
I. BUILDING COVERAGE OF SITE	13 ACRES AND 25% OF GROSS AREA

PROJECT NAME:	SCHUSTER CONCRETE	SECTION / AREA:	ANNAPOLIS JUNCTION	PARCEL NO.:	P-28, P-29, & P-108
LINER/POLY:	GRID	ZONING:	M-2	ELECT. DIST.:	CENSUS TR. CT.
WATER CODE:	1502	SEWER CODE:	4020000		6069 11

PLAN OF CURRENT SITE CONDITIONS
 FORMERLY LEHNERT PROPERTY SDP 06-104
 PURPOSE OF PLAN:
 TO OBTAIN APPROVAL OF CURRENT SITE CONDITIONS.

- S.W.M. POND NOTES**
- CLEAR & REGRADE POND AS SHOWN SEE SHEET 2 OF 4 FOR S.W.M. DETAILS.
 - REBUILD RISER STRUCTURE SEE SHEET 2 OF 4 FOR DETAILS.
 - STABILIZE POND & ACCESS RD SLOPED AND ADJACENT AREA WITH CROWN VETCH PER SCS STD. 09B00.
 - WADY VEGETATION ON TOP & SIDE SLOPE OF EMBANKMENT SHALL NOT BE ALLOWED TO EXCEED 18 INCHES IN HEIGHT AT ANY TIME.

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 11/30/01
 CHIEF, DIVISION OF LAND DEVELOPMENT
 11/30/01
 DIRECTOR
 11/29/01
 APPROVED: FOR PUBLIC WATER AND PRIVATE SEWERAGE SYSTEMS
 COUNTY HEALTH OFFICER
 HOWARD COUNTY HEALTH DEPARTMENT
 11/29/01

ENGINEER'S CERTIFICATE
 I CERTIFY THAT THIS PLAN SEWAGE AND EROSION 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.
 Charles R. Crocken, Inc.
 7003
 11/29/01

DEVELOPER'S CERTIFICATE
 I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEWAGE AND EROSION CONTROL, AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THIS CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEWAGE AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AGREE TO PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.
 Jim Meyer
 11/29/01

GENERAL NOTES CONTINUED:

- CURRENT LAND USE = PROPOSED LAND USE EXCEPT FOR AREAS TO BE STABILIZED WITH SEED & MULCH. FOR 10M THERE ARE NO PLANNED PERMANENT IMPROVEMENTS THIS SUBMISSION.
- S.W.M. FOR THIS SITE BASED ON ACTUAL IMPEY AREA. ANY ADDITIONAL DEVELOPMENT ON THIS SITE WILL REQUIRE COUNTY APPROVAL
- FOR S.W.M. INFORMATION SEE SHEET 2 OF 4.

LEGEND

- AGGREGATE BINS
- CONVEYOR
- MIXING TOWER (ENCLOSED)
- WATER TANK
- WATER RECLAMATION

1st REDLINE REVISION
 PURPOSE OF 1ST REDLINE REVISION TO ADDITION 1" W/M & METAL 1" W/M FOR PROCESS WATER TO BE USED IN THE MANUFACTURE OF CONCRETE ONLY. (NO SANITARY FACILITIES THIS PLAN)

TRENCH NOTE:
 TRENCHING OPERATION IS LIMITED TO THAT WHICH CAN BE BACKFILLED AT THE END OF EACH WORKING DAY.

APPLICANT:
 SCHUSTER CONCRETE
 C/O DAN SCHUSTER
 3717 52 NEW PLANT COURT
 OWINGS MILLS, MD. 21117-3514
 PHONE #: 410-428-8538

DATE: 11/29/01



DATE	REVISION	BY	DATE
11/29/01	1st REDLINE REVISION	CRC	
11/30	REV. PER. HOW. CO. COM. ADDED PLANT	CRC	
12/01	REV. PER. HOW. CO. DLD & DED COMMENTS	CRC	
12/01	PER HOWARD COUNTY COMMENTS	CRC	

TITLE: SITE DEVELOPMENT PLAN

PROJECT: SCHUSTER CONCRETE

LOCATION: 6th ELECTION DISTRICT HOWARD COUNTY, MD.

SCALE: 1" = 30'

DESIGNED BY: C.R.C.

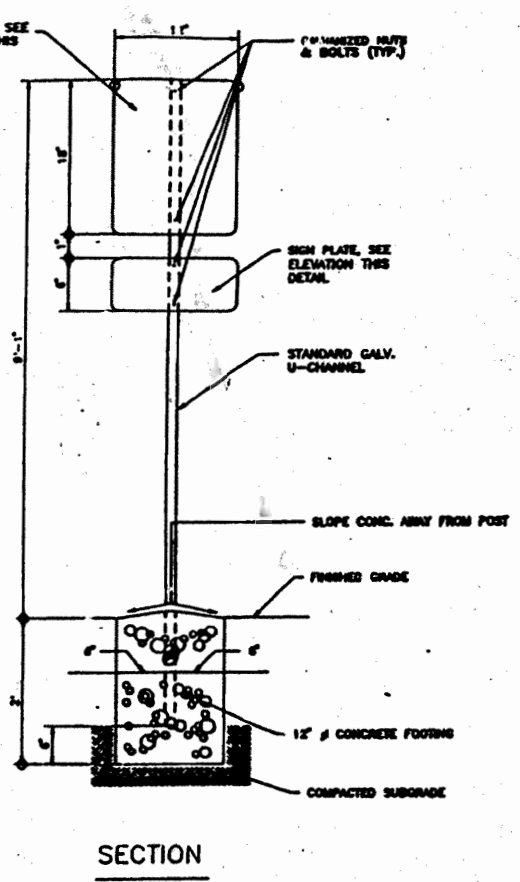
DRAWN BY: T.A.P.

CHECKED BY: C.R.C.

DATE: APRIL, 2001

SHEET 1 OF 4

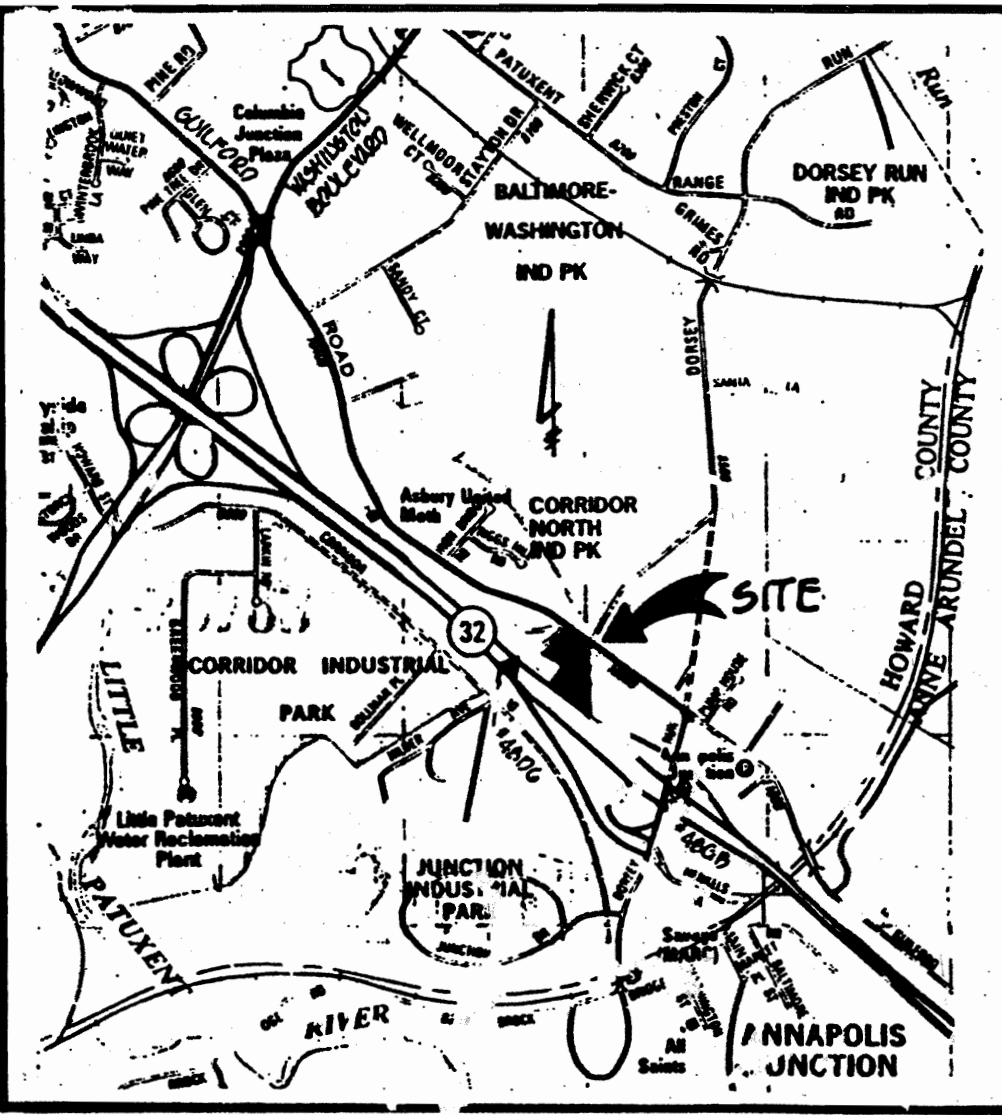
CHARLES P. CROCKEN AND ASSOCIATES, INC.
 CIVIL ENGINEERS - LAND PLANNING
 P.O. BOX 307
 WESTMINSTER, MARYLAND 21157
 TEL (410) 589-2708



LEGEND:
 --- EXISTING CONTOURS
 --- PROPOSED CONTOURS
 --- PROPERTY LINE

WATER MAIN LEGEND
 HWH = HOT WATER
 CW = COLD WATER
 V = VALVE
 M = WATER METER
 B = BACKFLOW PREVENTER
 PR = PRESSURE REDUCING VALVE
 WP = WATER PUMP

NOTE: ALTERNATIVE COMPLIANCE. THIS PLAN SUBJECT TO ALTERNATIVE COMPLIANCE FOR EXISTING STONE & GRAVEL PERMIT APPROVED 10/18/01

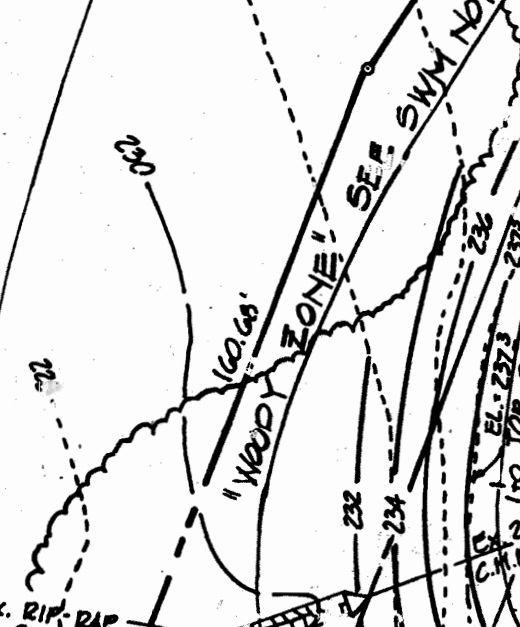
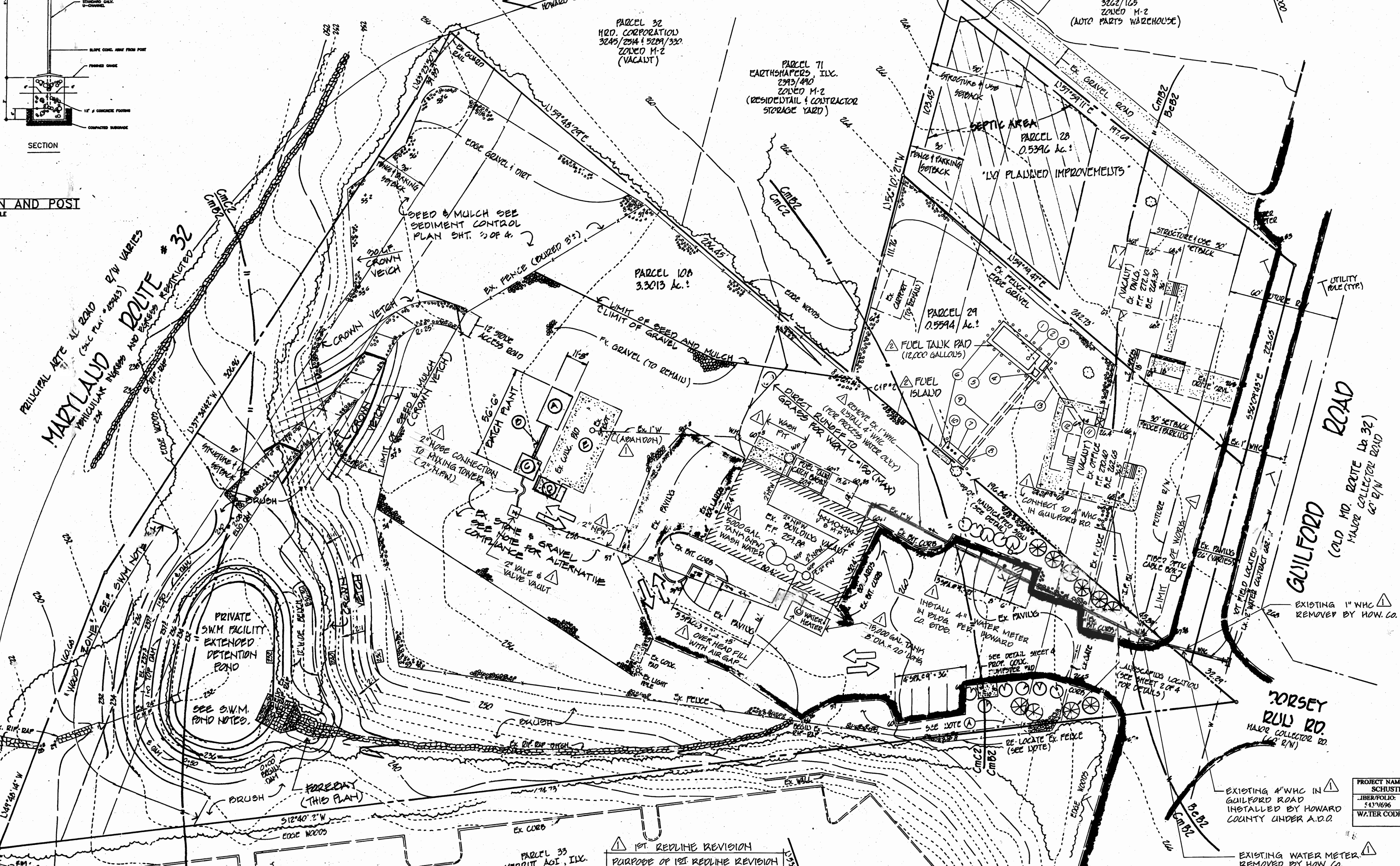


VICINITY MAP
SCALE: 1" = 200'

- General Notes:** (current site conditions)
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY AND MD. SHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
 - THE CONTRACTOR DEVELOPER SHALL CONTACT THE COUNTY ENGINEER, CIVIL DIVISION 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK AT 1:30 PM TO THE START OF WORK.
 - THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-237-7777 AT 1:30 PM 48 HOURS PRIOR TO THE START OF WORK.
 - TRAFFIC CONTROL DEVICES, MARKINGS, AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) ALL STREET AND REGULATORY SIGNING SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY MATERIAL.
 - ALL PLAN DIMENSIONS ARE TO THE FACE OF CURBS UNLESS OTHERWISE NOTED.
 - TOPOGRAPHY SHOWN IS BASED ON FIELD SURVEY BY: CHARLES R. CROCKEN AND ASSOCIATES, INC., MARCH 9, 2001
 - HORIZONTAL AND VERTICAL DATUMS BASED ON THE ABOVE FIELD SURVEY.
 - BENCHMARKS:
 Geodetic Survey Control 48GB
 Howard Co. 48, Corner of...
 E 1370623.787
 - WATER IS PUBLIC SEWER IS PRIVATE AND IS LIMITED TO PARCEL 28 ONLY
 - THERE IS NO FLOOD PLAIN ON SITE.
 - THERE ARE NO WETLANDS ON SITE.
 - ALL EXTERIOR LIGHTING WILL BE DIRECTED / REFLECTED AWAY FROM ALL ADJACENT PUBLIC ROADS AND RESIDENTIAL ZONED DISTRICTS, IN ACCORDANCE WITH SECTION 13.4 OF THE ZONING REGULATIONS.
 - THE SUBJECT IS ZONED M-2 PER THE OCTOBER 18, 1993 COMPREHENSIVE ZONING PLAN.
 - PREVIOUSLY APPROVED SDP NO. 86-104
 - THIS PLAN IS EXEMPT FROM THE REQUIREMENTS OF ARTICLE 12, FOREST PRESERVATION, BECAUSE ALL IMPROVEMENTS WILL BE CONSTRUCTED IN ACCORDANCE WITH SDP-86-10. PRIOR TO THE EFFECTIVE DATE OF THE REGULATIONS.

S.W.M. POND NOTES:

- CLEAR & REGRADE POND AS SHOWN SEE SHEET 2 OF 4 FOR S.W.M. DETAILS.
- INSTALL RISE STRUCTURE SEE SHEET 2 OF 4 FOR DETAILS.
- STABILIZE POND & ADJACENT SLOPES AND ADJACENT AREA WITH CROWN VEGETATION PER SCS STD. SPEC.
- WOODY VEGETATION ON TOP & SIDE SLOPES OF EMBANKMENT SHALL NOT BE ALLOWED TO EXCEED 18 INCHES IN HEIGHT AT ANY TIME.



PRIVATE SWM FACILITY EXTENDED DETENTION POND
 SEE SWM POND NOTES.

1ST. REDLINE REVISION
 PURPOSE OF 1ST REDLINE REVISION TO ADJUST 1" W.H.C. & INSTALL 4" W.H.C. FOR PROCESS WATER TO BE USED IN THE MANUFACTURE OF CONCRETE ONLY. (NO SANITARY FACILITIES THIS PLAN)

TRENCH NOTE:
 TRENCHING OPERATION IS LIMITED TO THAT WHICH CAN BE BACKFILLED AT THE END OF EACH WORKING DAY.

GENERAL NOTES CONTINUED:
 16. CURRENT LAND USE = PROPOSED LAND USE EXCEPT FOR AREAS TO BE STABILIZED WITH SEED & MULCH. ANY WRM THERE ARE NO PLANNED PERMANENT IMPROVEMENTS THIS SUBMISSION.

17. SWM FOR THIS SITE BASED ON ACTUAL MEASUREMENTS. ANY ADDITIONAL DEVELOPMENT ON THIS SITE WILL REQUIRE COUNTY APPROVAL.

18. FOR SWM INFORMATION SEE SHEET 2 OF 4.

LEGEND
 1. AGGREGATE BINS
 2. CONVEYOR
 3. MIXING TOWER (ENCLOSED)
 4. WATER TANK
 5. WATER RECLAMATION

SHEET INDEX

- SHEET 1) SITE DEVELOPMENT PLAN
- SHEET 2) S.W.M. DETAILS
- SHEET 3) SEDIMENT CONTROL PLAN
- SHEET 4) DRAINAGE MAP
- * NO REVISIONS TO SHEET 2, 3, & 4.

* SEE SWM NOTE

PLAN OF CURRENT SITE CONDITIONS
 FOR EARLY LEASHER PROPERTY SUB 86-104

PURPOSE OF PLAN: TO OBTAIN APPROVAL OF CURRENT SITE CONDITIONS.

OWNER/DEVELOPER:
 SCHUSTER CONCRETE
 3717 52 NEW PLANT COURT
 WESTMINSTER, MD 21157
 PHONE: 410-228-8538

ADDRESS CHART

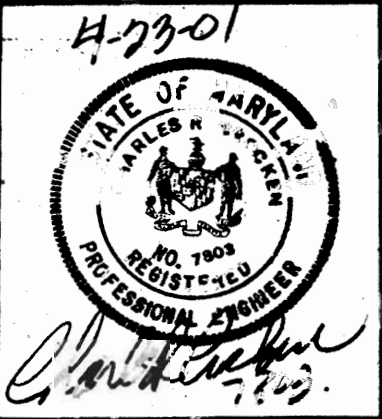
LOT NO.	STREET ADDRESS
28	10760 GUILFORD RD.
29	10782 GUILFORD RD.
108	10798 GUILFORD RD.

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 11/12/01
 11/30/01
 11/29/01

DEVELOPER'S CERTIFICATE
 I HEREBY CERTIFY THAT THIS PLAN 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.
 11/29/01

VIEWED FOR HOWARD SCD AND MPETS TECHNICAL REQUIREMENTS
 11/16/01
 11/16/01

APPLICANT:
 SCHUSTER CONCRETE
 C/O DAN SCHUSTER
 3717 52 NEW PLANT COURT
 WESTMINSTER, MD 21157-3514
 PHONE #: 410-228-8538



3-19-04	2ND REDLINE REVISION	TAP
9/16/02	1ST REDLINE REVISION	CRC
4/1/01	REV PER. HOW. CO. COM ADDED PLANT	CCG
9/1/01	REV. PER. HOW. CO. DLD & DED COMPLIANCE	CCG
6/12/01	REV. PER. HOWARD COUNTY COMM.	CCG



10-30-01

TITLE: SITE DEVELOPMENT PLAN

PROJECT: SCHUSTER CONCRETE

CREATION: 6TH ELECTION DISTRICT HOWARD COUNTY, MD.

TAX MAP: 10 PARCELS 20, 24, 108

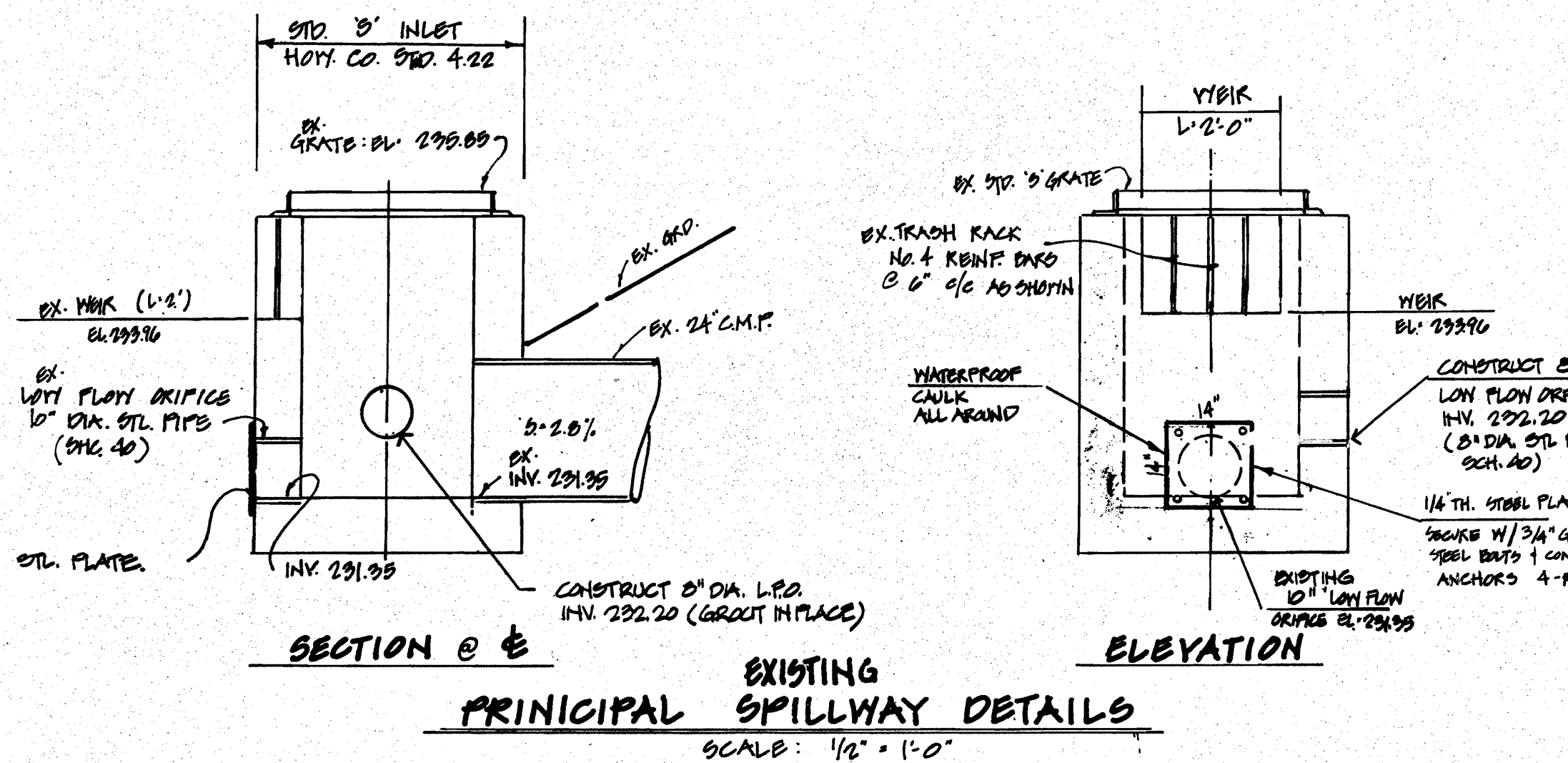
SCALE: DESIGNED BY: CHECKED BY: C.C.C. T.A.P. C.C.C.

DATE: APRIL, 2001 SHEET 1 OF 4

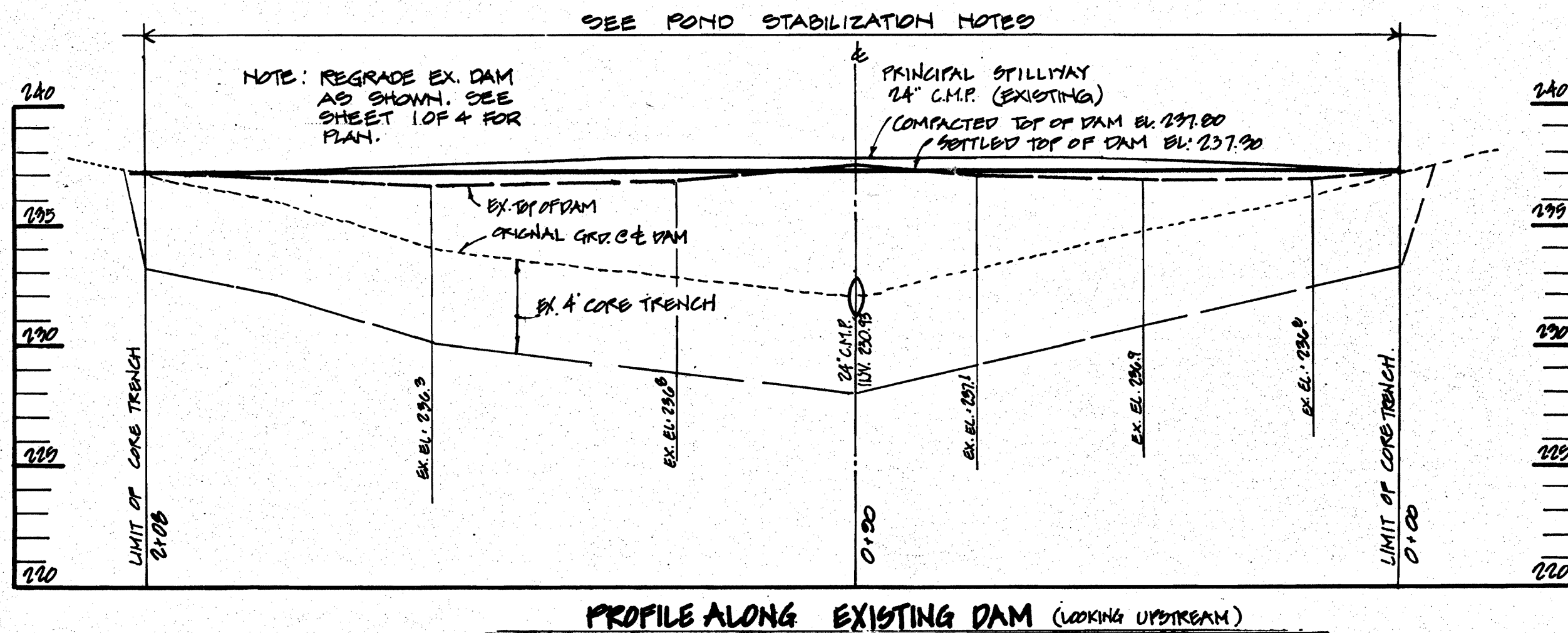
CHARLES R. CROCKEN AND ASSOCIATES, ILL.
 CIVIL ENGINEERING - LAND PLANNING
 P.O. BOX 307
 WESTMINSTER, MARYLAND 21157
 TEL (410) 594-2700

POND GRADING AND STABILIZATION NOTES:

- Contractor shall remove all existing invasive trees and undergrowth from within limits of the disturbed area for SWM facility as shown on sheet 3 of 4.
- Contractor shall restore and grade pond, embankment and forebay to the lines, grades and elevations shown on the grading plan sheet 1 of 4.
- Contractor shall stabilize all disturbed areas with 2 inches of topsoil, fertilizer, seed and mulch as per SCS standards except where noted otherwise on plans.

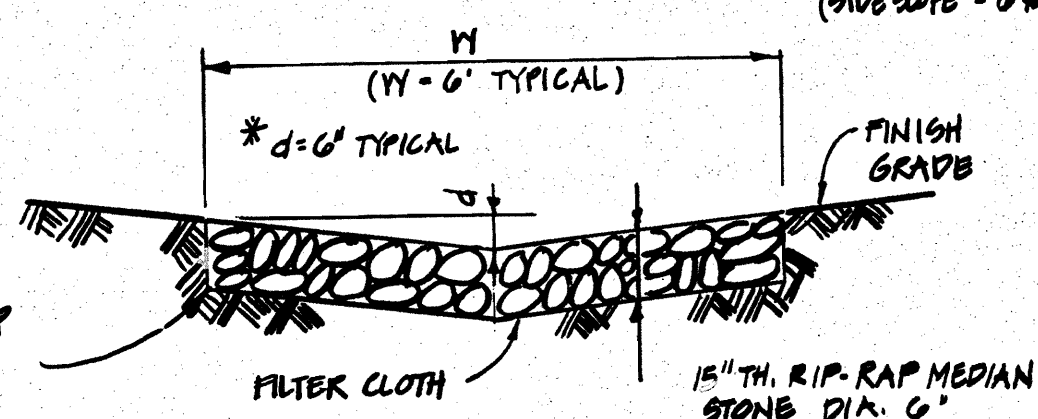


PRINCIPAL SPILLWAY DETAILS
SCALE: 1/2" = 1'-0"

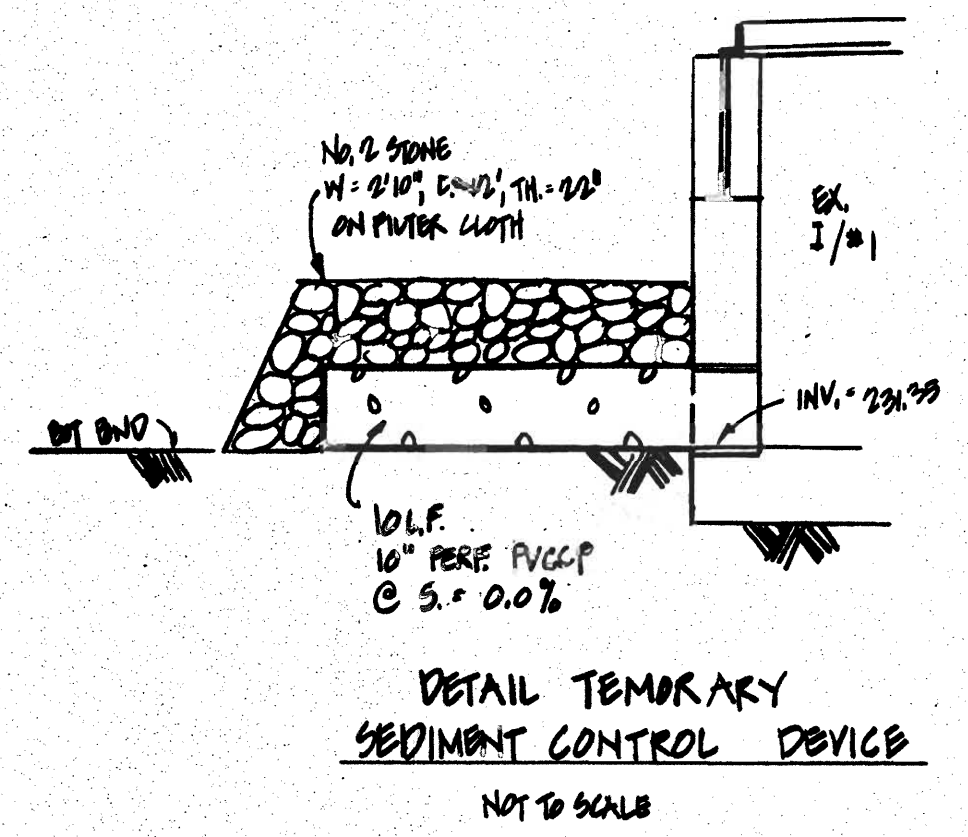


PROFILE ALONG EXISTING DAM (LOOKING UPSTREAM)

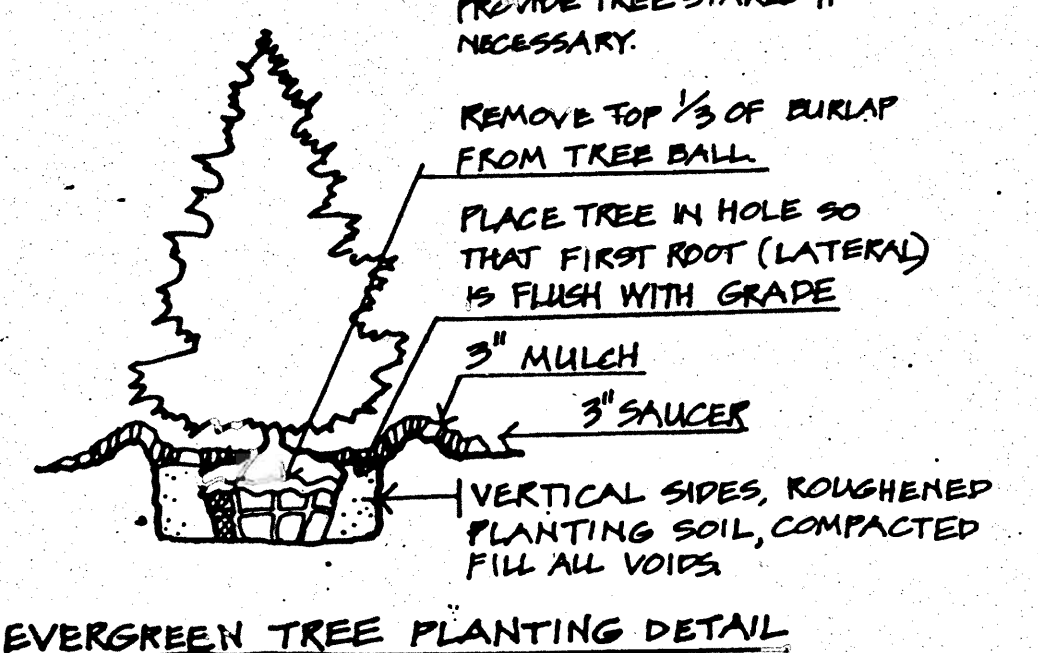
NOTE: CONTRACTOR SHALL STABILIZE SWALE DOWN STREAM OF PIPE LOT WITH SOIL STABILIZATION JUTE MATTING FOR DEPTH = 6' & WIDTH = 6' (SIDE SLOPE 5:1) SEE SHT. 3 OF 4.



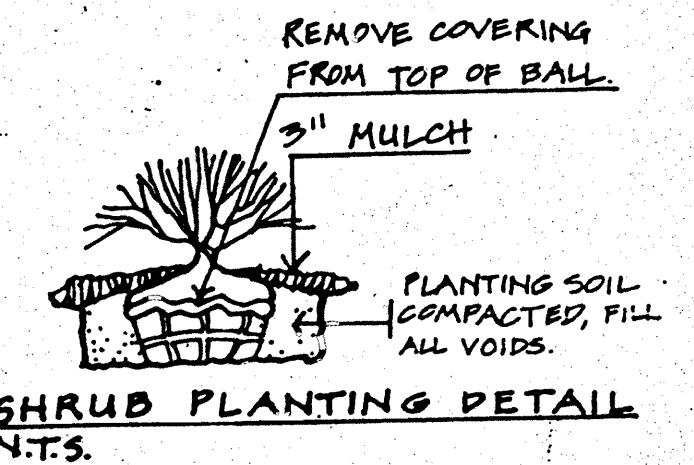
RIP-RAP DITCH DETAIL



DETAIL TEMPORARY SEDIMENT CONTROL DEVICE
NOT TO SCALE



EVERGREEN TREE PLANTING DETAIL
N.T.S.



SHRUB PLANTING DETAIL
N.T.S.

LANDSCAPING DETAILS
(SEE SHEET 1 OF 4 FOR LOCATION)

PLANTING NOTES

- GENERAL:**
- Notify "Miss Utility" 72 hours prior to installation of all plant material.
 - Plant installation must conform to the minimum standards cited in the latest edition of Landscape Specifications Guidelines, published by the Landscape Contractor's Association.
 - Plants to be located in the field by owner or the owner's representative. Notify owner 72 hrs. in advance of planting.
 - A "Certification of Landscape Installation" is required as per the Howard County Landscape Ordinance.
 - Contact engineer regarding the substitution of plant material.
 - The number, size, and location of plants shall not be changed. Substitutions must be included in the recommended plant list as per Howard County Landscape Ordinance.

- PLANTING:**
- Balled and Burlapped plant material shall not be accepted if ball is cracked or broken before or during planting. Protect all plants from drying by either sun or wind.
 - Tree pits shall be backfilled with 60% topsoil, 25% peat and 15% sand with one pound of 10-10-10 fertilizer per cu. ft.
 - Topsoil shall be sandy loam, free from noxious weeds or grasses, roots, clay lumps, stones, sticks, etc. Peat moss shall be commercial with pH 4.5 to 5.5, free of woody material or harmful minerals.
 - All plants shall be watered at planting with water thereafter for the first 90 days. Watering shall continue biweekly or as necessary to maintain plants in a healthy condition. Fertilizer shall be applied with watering to insure a healthy plant.
 - Maintain the site in an orderly manner. Streets and sidewalks shall be swept clean. All rejected or dead materials shall be immediately removed from the site.

- MAINTENANCE AND GUARANTEES:**
- Plant material to be alive and healthy at the time of the guarantee period specified as per the Howard County Landscape Ordinance.
 - Maintenance shall begin immediately after planting and continue to the end of the guarantee period.
 - Maintenance consists of pruning, watering, weeding, mulching, resetting plants to proper grades as needed and replacing grass and sod as needed.

PLANTING NOTES II

This Plan has been prepared in accordance with Section 16.124 of the Howard County Code, the Landscape Manual & Requirements.

* A financial surety for required landscape trees in the amount of \$ 1,500.00 (\$150/tree) as part of the DPW developer's agreement (ARTICLES 8 & 150.00/TREES)

The plantings shown hereon were not installed as indicated on this site plan. No additional perimeter or storm water management landscaping is required with this plan.

PLANT LIST

THIS LIST INCLUDES LANDSCAPE MATERIAL NOT INSTALLED AS PER SDP-86-104

NO.	KEY	QUAN.	PLANT NAME	SIZE	CON'D.	REMARKS
1.	(Symbol)	10	PINUS STROBUS EASTERN WHITE PINE	2"-2 1/2" cal.	B & B	10' - 15' O.C.
2.	(Symbol)	11	TAXUS MEDIA 'HICKSIL' HICKS YEW	2 1/2" - 3" hl.	B & B	3' - 5' O.C.

OPERATING AND MAINTENANCE SCHEDULE OF PRIVATELY OWNED AND MAINTAINED STORMWATER MANAGEMENT FACILITY

ROUTINE MAINTENANCE:

- FACILITY SHALL BE INSPECTED ANNUALLY AND AFTER MAJOR STORMS. INSPECTIONS SHOULD BE PERFORMING DURING WET WEATHER TO DETERMINE IF THE POND IS FUNCTIONING PROPERLY.
- TOP AND SIDE SLOPES OF THE EMBANKMENT SHALL BE MOWED A MINIMUM OF TWO (2) TIMES A YEAR ONCE IN JUNE, AND ONCE IN SEPTEMBER. OTHER SIDE SLOPES, THE BOTTOM OF THE POND, AND MAINTENANCE ACCESS SHOULD BE MOWED AS NEEDED.
- DEBRIS AND LITTER NEXT TO THE OUTLET STRUCTURE SHALL BE REMOVED DURING REGULAR MOWING OPERATIONS AND AS NEEDED.

NON-ROUTINE MAINTENANCE:

- STRUCTURAL COMPONENTS OF THE POND SUCH AS THE DAM, THE RISER AND THE PIPES SHALL BE REPAIRED UPON THE DETECTION OF ANY DAMAGE. THE COMPONENTS SHOULD BE INSPECTED DURING ROUTINE MAINTENANCE OPERATIONS.
- SEDIMENT SHOULD BE REMOVED WHEN IT'S ACCUMULATION SIGNIFICANTLY REDUCE THE DESIGN STORAGE. WHEN IT INTERFERES WITH THE FUNCTION OF THE RISER, WHEN DEEMED NECESSARY BY THE HOWARD COUNTY'S DEPARTMENT OF PUBLIC WORKS.

REQUIRED SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT
- CLEAR & GRUB FOR INSTALLATION OF SILT FENCE ONLY.
- INSTALL ALL SEDIMENT CONTROL MEASURES ONLY, I.E. SILT FENCES AND TEMPORARY SEDIMENT CONTROL DEVICE AT SWM POND.
- UPON APPROVAL OF SEDIMENT CONTROL INSPECTOR CLEAR AND GRUB STORMWATER MANAGEMENT POND AND GRADE POND PER PLANS
- SEED AND MULCH POND AND ALL AREAS TO BE RESTABILIZED PER THE PLANS
- UPON APPROVAL OF THE SEDIMENT CONTROL INSPECTOR REMOVE TEMPORARY SEDIMENT CONTROL DEVICE AT POND AND INSTALL NEW LOW FLOW ORIFICE PLATE PER PLANS.
- UPON APPROVAL OF THE SEDIMENT CONTROL INSPECTOR REMOVE ALL SEDIMENT CONTROL MEASURES AND STABILIZE ALL DISTURBED AREAS.

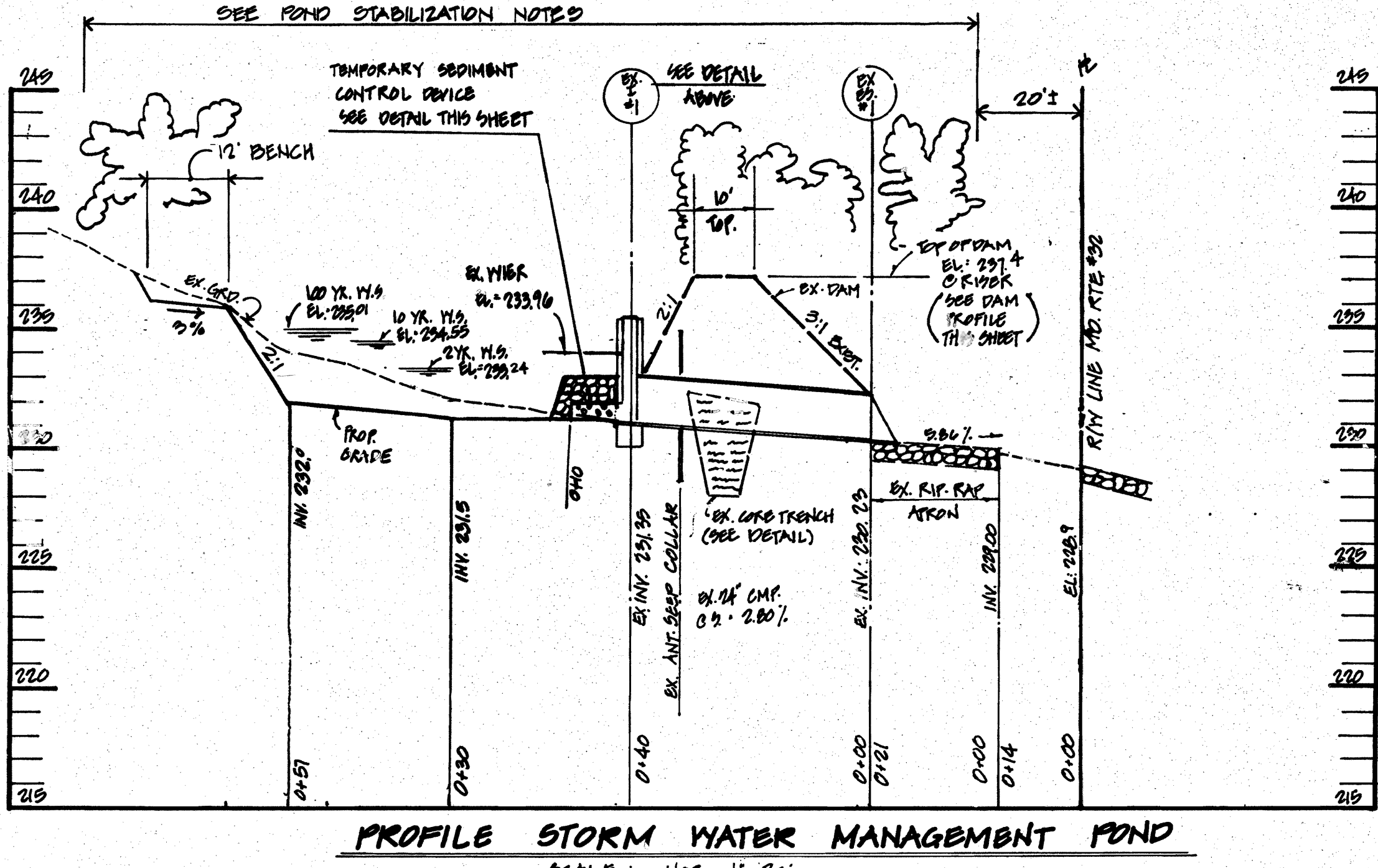
CLASS 'A' STRUCTURE (INTERIUM POND) WITH EXTENDED DETENTION

DESIGN STORM	STORM WATER MANAGEMENT DATA		PEAK W.S. ELEV
	RELEASE RATE	STORAGE	
2 year	1.72cfs	0.124	233.56
10 year	5.07cfs	0.202	234.55
100 year	9.39cfs	0.339	235.40

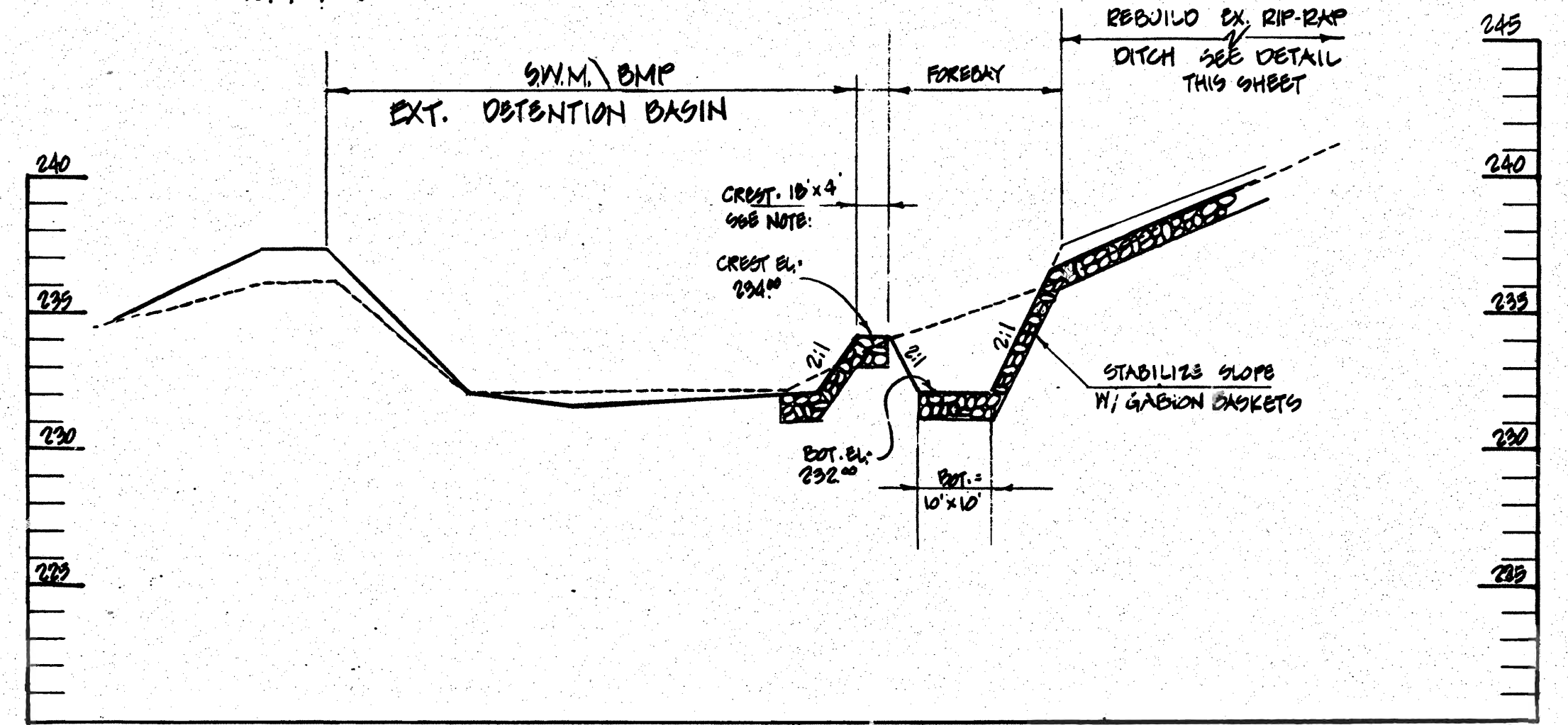
* AVAILABLE FREEBOARD 237.40 - 235.40 = + 2.3'

SWM INFORMATION:

- SWM FACILITY SHOWN HEREON IS A PRIVATELY OWNED FACILITY AND SHALL BE PRIVATELY MAINTAINED AS STIPULATED IN THE "OPERATING AND MAINTENANCE SCHEDULE" NOTED ABOVE.
- WATER QUANTITY MANAGEMENT PROVIDED FOR 2 YR, 10 YR, AND 100 YR FREQUENCY STORM PER HOWARD CO. DESIGN MANUAL VOLUME II. WATER QUALITY MANAGEMENT PROVIDED PER MDE 2000 DESIGN MANUAL VOLUME I & II.
- WATER QUANTITY MANAGEMENT PROVIDED BY EXISTING POND.
- WATER QUALITY MANAGEMENT BY EXTENDED DETENTION, STORAGE IN BOTTOM OF POND AND BY DISCONNECTED RUNOFF FROM PARKING LOT TO GRASS BUFFER AND EXISTING WATER WAY ON
- STORM WATER RECHARGE PROVIDED BY (NON-STRUCTURAL PRACTICE), GRASS BUFFER LOCATED ON WEST SIDE OF LOT.



PROFILE STORM WATER MANAGEMENT POND
SCALE: HOR. 1" = 20' VERT. 1" = 5'



PROFILE: CENTERLINE FOREBAY
SCALE: HOR. 1" = 20' VERT. 1" = 5'

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 DATE: 11/30/01

APPROVED: DEPARTMENT OF LAND DEVELOPMENT
 CHIEF, DIVISION OF LAND DEVELOPMENT
 DATE: 11/30/01

APPROVED: FOR PUBLIC WATER AND PRIVATE SEWERAGE SYSTEMS
 COUNTY HEALTH OFFICER
 HOWARD COUNTY HEALTH DEPARTMENT
 DATE: 11/29/01



FOREST CONSERVATION NOTE:
 This plan is exempt from the requirements of Article 12, Forest Conservation because all improvements were constructed in accordance with SDP 86-104, or prior to 12/31/82, the effective date of the regulations.

NO.	DATE	DESCRIPTION	BY
4-23-01			
10/5		PER. HOWARD CO. COM. SWM INFO	CRC
9/01		" " " " " "	CRC
6/01		PER HOW. CO. COMMENTS	CRC
2/02		REVISION	BY

TITLE: **SWM. DETAILS**
 PROJECT: SCHUSTER CONCRETE
 LOCATION: 611 ELECTION DIST. CT, HOWARD CO., MARYLAND
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 DATE: 4/2001

CHARLES R. CROCKER AND ASSOCIATES, INC.
 CIVIL ENGINEERING-LAND PLANNING
 P.O. BOX 307
 WESTMINSTER, MARYLAND 21157
 TEL. (410) 541-2700

PERMANENT SEEDING NOTES

APPLY PERMANENT SEEDING TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.

SEED BED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY BAKING OR DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING IF SOIL HAS NOT BEEN PREVIOUSLY LOOSENED.

SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING METHODS:

- PREFERRED METHOD: APPLY 2 TONS/ACRE OF DOLOMITIC LIMESTONE (92 LBS/1000 S.F.) BEFORE SEEDING. BARRON OR DISC INTO UPPER THREE INCHES OF SOIL AT TIME OF SEEDING. APPLY 400 LBS/ACRE OF 30-0-0 UREA-FORM FERTILIZER. (9 LBS/1000 S.F.).
- ACCEPTABLE METHOD: APPLY 2 TONS/ACRE OF DOLOMITIC LIMESTONE (92 LBS/1000 S.F.) AND 1000 LBS/ACRE OF 10-10-10 FERTILIZER (23 LBS/1000 S.F.) BEFORE SEEDING. BARRON OR DISC INTO UPPER THREE INCHES OF SOIL.

SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 60 LBS PER ACRE (1.4 LBS/1000 S.F.) OF KENTUCKY 31 TALL FESCUE AND 2 LBS PER ACRE (0.05 LBS/1000 S.F.) OF WHEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, PROTECT THE 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 SOO. OPTION (3) SEED WITH 60 LBS PER ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS PER ACRE WELL ANCHORED STRAW.

MULCHING: APPLY 2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 S.F.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR THE MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 216 GAL/PER ACRE AFTER APPLYING MULCH ANCHORING TOOL OR 216 GAL/PER ACRE OR 216 GAL/PER ACRE OF UNMULCHIFIED ASPHALT ON FLAT AREAS, ON SLOPES, 8 FT. OR HIGHER, USE 7 1/2 GAL PER ACRE (0.18 GAL PER 1000 S.F.) FOR ANCHORING.

MAINTENANCE: INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, RESEEDING AND REPLACEMENTS.

TEMPORARY SEDIMENT CONTROL MEASURES

APPLY TEMPORARY SEEDING TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED UNDER SHORT-TERM VEGETATIVE COVER IS NEEDED.

SEED BED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY BAKING OR DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF SOIL HAS NOT BEEN PREVIOUSLY LOOSENED.

SOIL AMENDMENTS: APPLY 600 LBS/ACRE 10-10-10 FERTILIZER EQUIVALENT TO (1.4 LBS/1000 S.F.).

SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU NOVEMBER 15, SEED WITH 11 TONS/ACRE OF ANNUAL RYE, 3.2 LBS/1000 S.F. FOR PERIODS FROM MAY 15 THRU AUGUST 14, SEED WITH 3 LBS/ACRE OF WHEEPING LOVEGRASS. (0.7 LBS/1000 S.F.) FOR THE PERIOD NOVEMBER 15 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOO.

UNROTTED STRAW 11 TO 2 TONS/ACRE, 70 TO 90 LBS/1000 S.F. OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR THE MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 216 GAL/PER ACRE AFTER APPLYING MULCH ANCHORING TOOL OR 216 GAL/PER ACRE OR 216 GAL/PER ACRE OF UNMULCHIFIED ASPHALT ON FLAT AREAS, ON SLOPES, 8 FT. OR HIGHER, USE 7 1/2 GAL PER ACRE (0.18 GAL PER 1000 S.F.) FOR ANCHORING.

REFER TO THE 1994 HANDBOOK STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATES AND METHODS NOT COVERED HEREIN.

ABOVE GROUND STORAGE TANK DIESEL DISPENSING SYSTEM

ITEM 1
0.1 M2 DOUBLE WALL STEEL ABOVEGROUND STORAGE TANK 10' DIA x 20' 6" LONG.

ITEM 2
1/2 HP PE PETRO SUBMERSIBLE PUMP, NORMALLY CLOSED SOLENOID VALVE ON DISCHARGE LINE, MANUAL BALL SHUT OFF VALVE ON DISCHARGE LINE.

ITEM 3
SIMPLEX ELECTRIC 300 GPM DIESEL PUMP FILLING STATION INCLUDING: 90% HIGH LEVEL ALARM, 95% HIGH SHUT OFF, INTERSTITIAL LEAK DETECTION EXCLUDED IN WEATHER CABINET.

ITEM 4
APT PIPING TRANSITION PUMP

ITEM 5
CAST IN PLACE CONCRETE SLAB

ITEM 6
4" CONCRETE FILLED BOLLARDS (4' CENTERS WHERE EXPOSED TO VEHICULAR TRAFFIC).

ITEM 7
4' x 8' STEEL ISLAND FORM (CONCRETE POURED INSIDE)

ITEM 8
GASBOY DUAL NOSE DIESEL DISPENSER, APT DISPENSER PUMP, BSW DOUBLE ROCKET SHEAR VALVE

ITEM 9
APT 1/2" DOUBLE WALL FLEXIBLE PIPING (INSTALLED INSIDE CORRUGATED DUCTING), APT SECONDARY TEST COUPLERS & FITTINGS

ITEM 10
ELECTRICAL CONDUIT STRIPPED UP FOR FUTURE CONNECTION OF ALL ISLAND FUEL MANAGEMENT SYSTEM.

ITEM 11
LOCATION WHERE ELECTRICAL SERVICE WILL BE TAKEN FROM @ INSIDE ELECTRICAL PANEL

ITEM 12
LOCATION WHERE THE SUBMERSIBLE RELAY BOX WILL BE LOCATED.

ITEM 13
ELECTRICAL PUMP CUT OFF SWITCH (BREAK NOT ALSO NEUTRAL FOR DISPENSER).

ITEM 13 UNDERGROUND CONDUITS FOR INSTALLATION

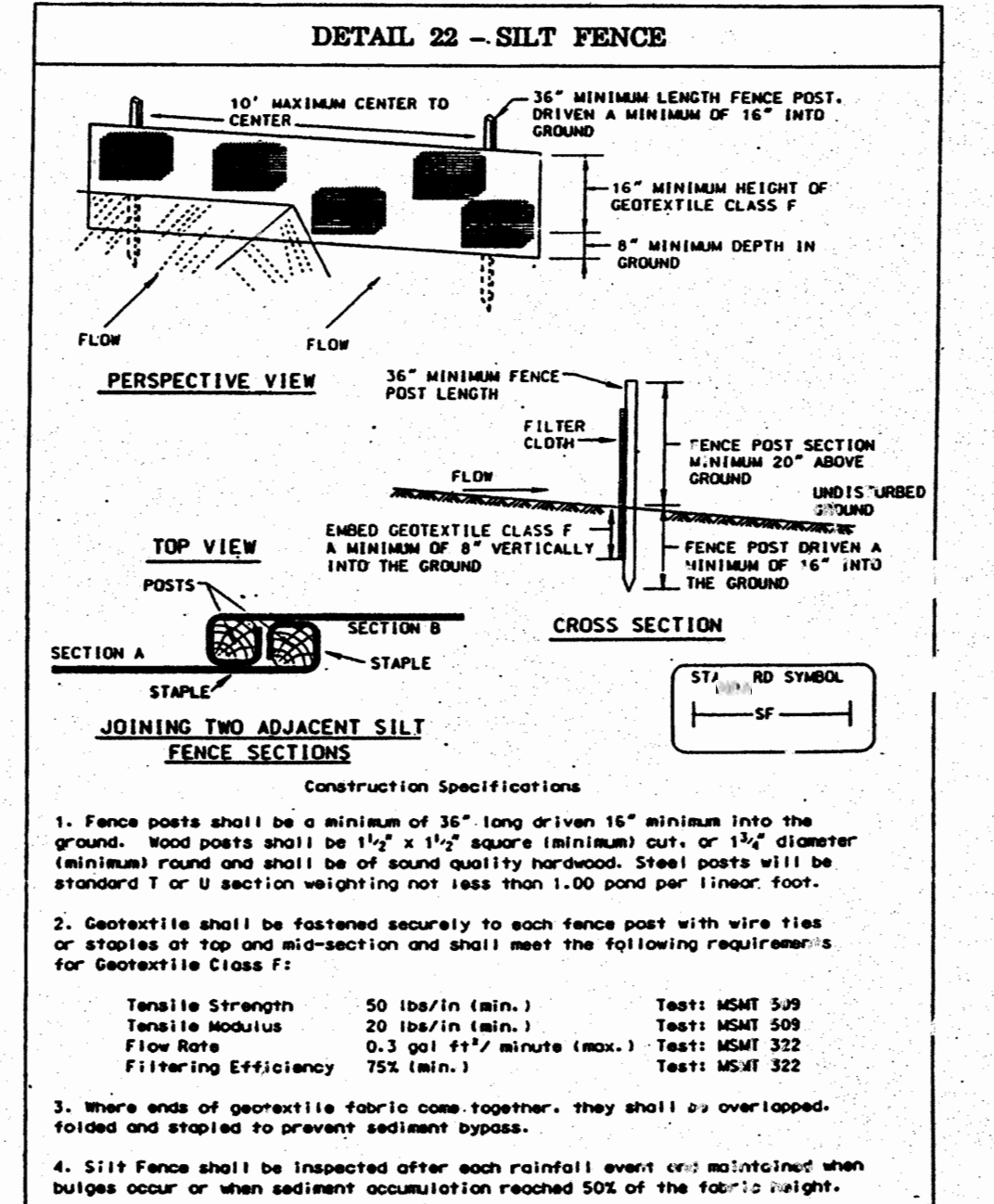
(1) 3/4" FOR SIMPLEX SMART PUMP FROM OFFICE BUILDING TO TALK PAD

(1) 3/4" FOR SUBMERSIBLE PUMP FROM OFFICE TO TALK PAD

(1) 3/4" FOR DATA FROM OFFICE BUILDING TO FUEL ISLAND

(1) 3/4" FROM FUEL MANAGEMENT SYSTEM (FUTURE LOCATION) TO DISPENSER LOCATION @ FUEL ISLAND.

(PVC UNDERGROUND AND LAST SECTION OF UNDERGROUND CONDUIT WILL TRANSITION TO RIGID STEEL. ALL SURFACE MOUNTED CONDUIT TO BE RIGID STEEL AND ANCHORED).

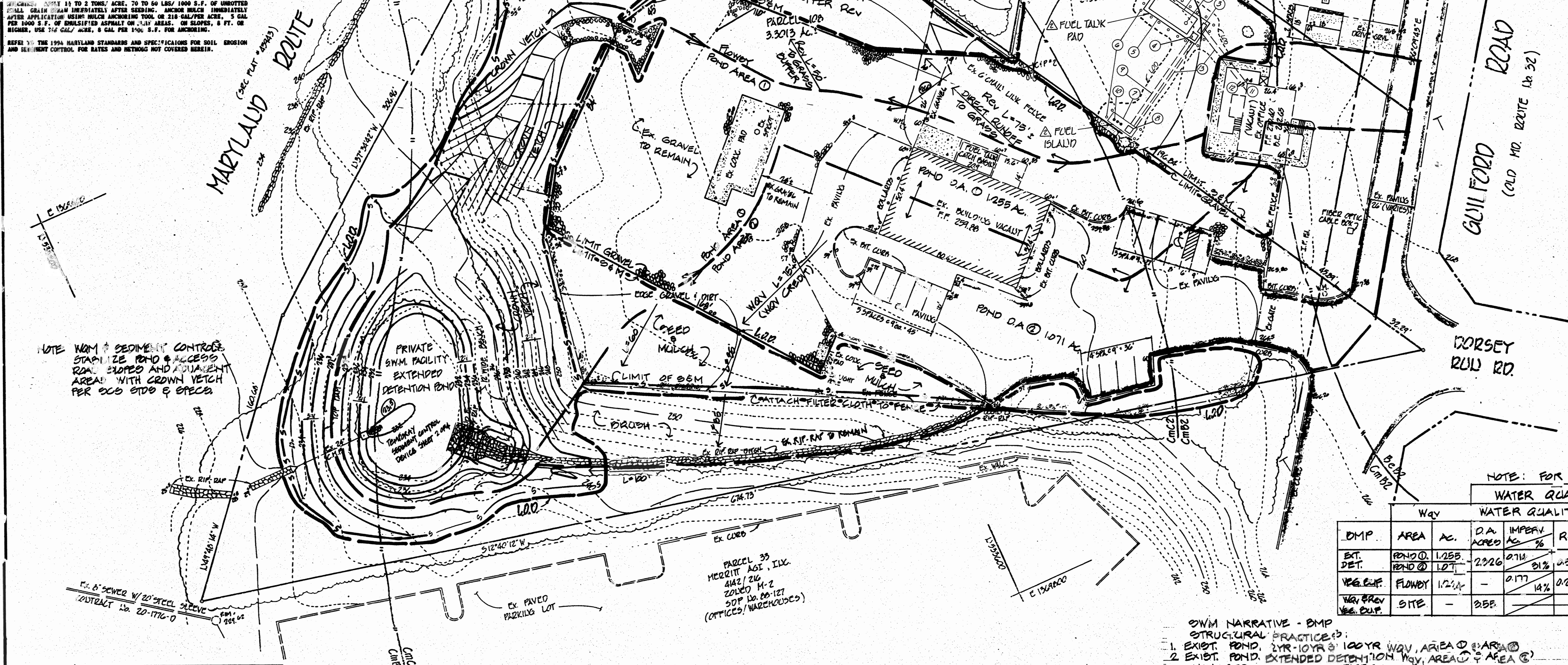


GENERAL NOTES FOR SEDIMENT CONTROL

- A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS PRIOR TO THE START OF CONSTRUCTION TEL: (410) 992-2117.
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1994 HANDBOOK STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 14 DAYS FOR ALL PERMITTED SEDIMENT CONTROL STRUCTURES. VEGETATIVE PRACTICES SHALL BE INSTALLED AND ALL SLOPES GREATER THAN 3:1 SHALL BE STABILIZED TO ALL OTHER DISTURBED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FITTED WITH 1/2" SIGC POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH SECTION 15. OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAIN.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 HANDBOOK STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. SECTION 6 - VEGETATIVE PRACTICES FOR NETWORKS AND MATERIALS SECTION 10 - VEGETATIVE PRACTICES FOR NETWORKS AND MATERIALS SECTION 11 - PERMANENT SEEDING SECTION 11.1 - PERMANENT SEEDING SECTION 11.2 - TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE USED WHEN THE RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER SEEDING AND ESTABLISHMENT OF GRASSES.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION. PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- ANY SEDIMENT CONTROL PRACTICE WHICH IS NOT SHOWN BY THIS PLAN OR UTILITIES MUST BE MAINTAINED ON THE SAME DATE AS THE SEDIMENT CONTROL INSPECTOR.
- ADDITIONAL SEDIMENT CONTROL MEASURES MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2.0 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE OBTAINED PRIOR TO THE START OF CONSTRUCTION. THE INSPECTION AGENCY SHALL BE NOTIFIED 14 DAYS BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE. ANY OTHER BUILDING OR GRADING INSPECTION APPROVALS SHALL BE OBTAINED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
- SITE ANALYSIS:

TOTAL AREA OF SITE	140.0000
AREA TO BE DISTURBED OR PAVED	10.0000 (7.14%)
AREA TO BE VEGETATIVELY STABILIZED	130.0000 (92.86%)
TOTAL VOLUME OF CUT	NA
TOTAL VOLUME OF FILL	NA
OFFSITE WASTEWATER AREA	NA

 * DENOTES % IMPERV. AREA TO BE TREATED BY NON-STRUCTURAL PRACTICE FOR RECHARGE.



NOTE: NOM. SEDIMENT CONTROL STABILIZE ROAD & ACCESS ROAD SLOPES AND ADJACENT AREAS WITH CROWN VETCH PER SOO STD & SPEC.

NOTE: FOR SWM QUANTITY INFO. SEE TABLE SHT. 306A.

WQV	WATER QUALITY MANAGEMENT				WATER RECHARGE			
	AREA AC.	D.A. ACRES	IMPERV. %	Ry	WQV STORAGE REQD.	WQV STORAGE PROV.	DA IMP. ACRES	PERCENT RECHARGE AREA
EXT. DET.	POND 0	1.255	0.714	31%	1,120	1,025	-	-
VEGET. FLOWBY	FLOWBY	1.214	0.177	14%	0.20	0.20	-	-
WQV PROV. VEGET. FLOWBY	SITE	-	0.558	-	-	-	3.55	2.891 (81%)

SWM NARRATIVE - BMP STRUCTURAL PRACTICES:

- EXIST. POND, 2YR-10YR & 100YR WQV, AREA 0 & AREA 1
- EXIST. POND, EXTENDED DETENTION WQV, AREA 0 & AREA 1

NON-STRUCTURAL PRACTICES:

- DISCONNECTED IMPERV. AREA, WQV CREDIT, AREA 0
- GRASS BUFFER, IN LIEU OF WQV, AREA 0
- GRASS EXIFIER, REV (PERCENT AREA METHOD), ENTIRE SITE (0 & FLOWBY).

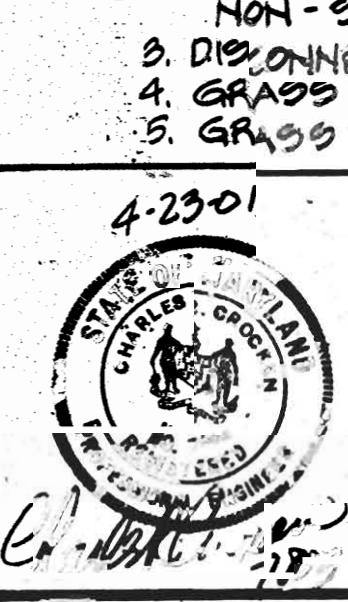
Drainage Area Map and Plan Proposed Conditions

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 11/9/01
 11/30/01
 11/30/01

ENGINEER'S CERTIFICATE
 I CERTIFY THAT THIS PLAN 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.
 11/30/01
 4/23/01

DEVELOPER'S CERTIFICATE
 I HAVE CERTIFIED THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN FOR SEDIMENT AND EROSION CONTROL, AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL BE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE COMMENCING THE PROJECT AND WILL BE UNDER CLOSE SUPERVISION BY THE HOWARD COUNTY CONSERVATION DISTRICT.
 11/6/01
 11/6/01

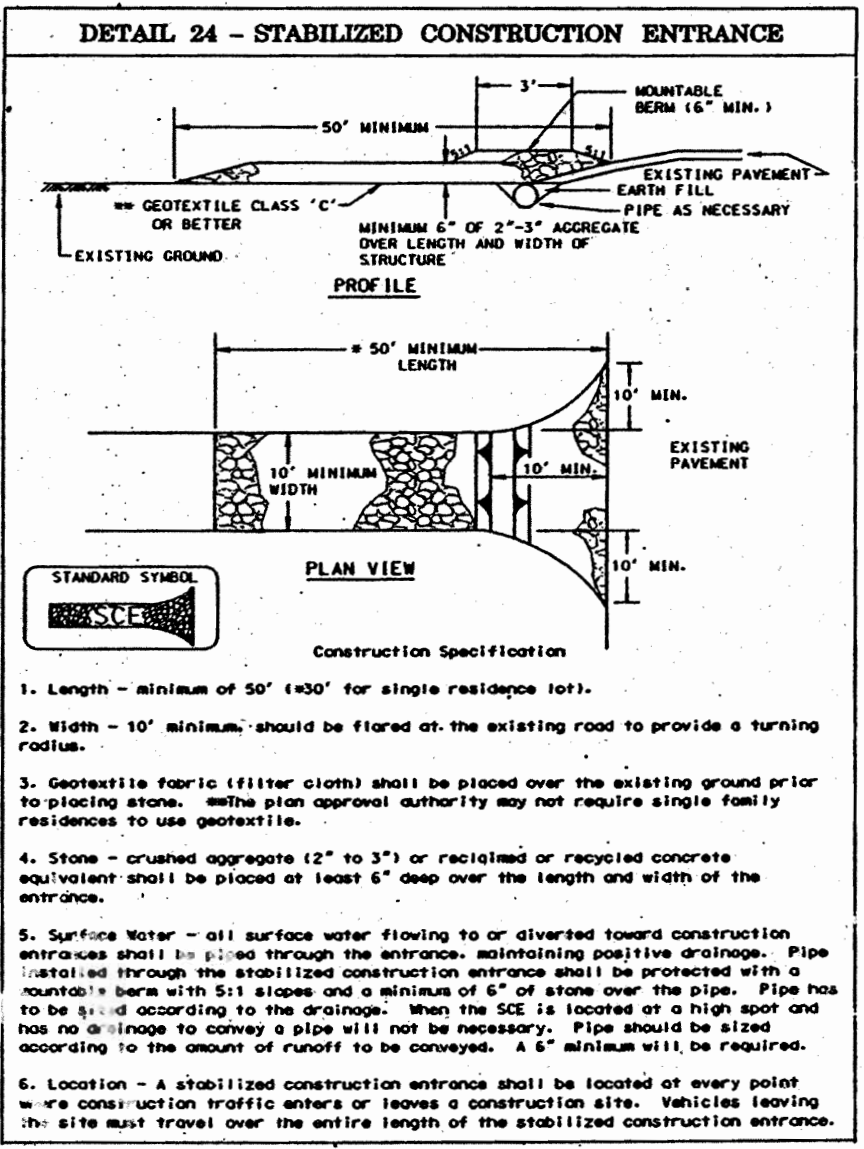
REVIEWED FOR HOWARD COUNTY MEETS TECHNICAL REQUIREMENTS
 11/6/01
 11/6/01



REVISION			
NO.	DATE	BY	DESCRIPTION
1	11/25/01	JRP	ADD ABOVEGROUND FUEL TANK
2	1/5	CBC	REV. PER HOW. CO. ADDED TABLE & D.A.
3	9/01	ERC	PER HOWARD CO. DED COMMENTS
4	6/01	ERC	PER HOWARD COUNTY COMMENTS

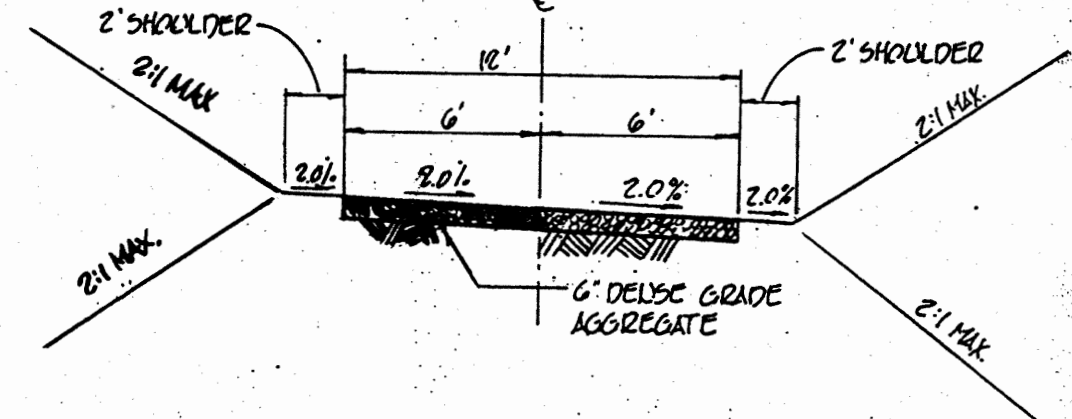
DOCUMENT CONTROL PLAN			
PROJECT	LOCATION	SCALE	DATE
SCHULTER CONCRETE	6TH BLK. TO N. DISTRICT, HOWARD COUNTY, MD.	1"=30'	APRIL 2001

CHARLES R. CROCKEN AND ASSOCIATES, INC.
 CIVIL ENGINEERING/LAND PLANNING
 P.O. BOX 207
 WESTMINSTER, MARYLAND 21151
 TEL (410) 544-2105
 FAX (410) 544-1005



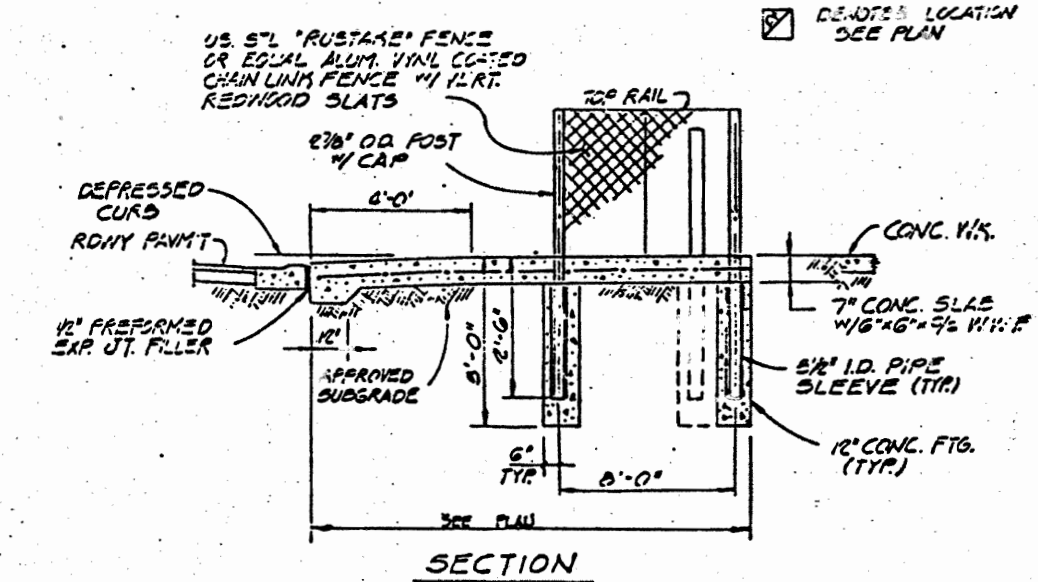
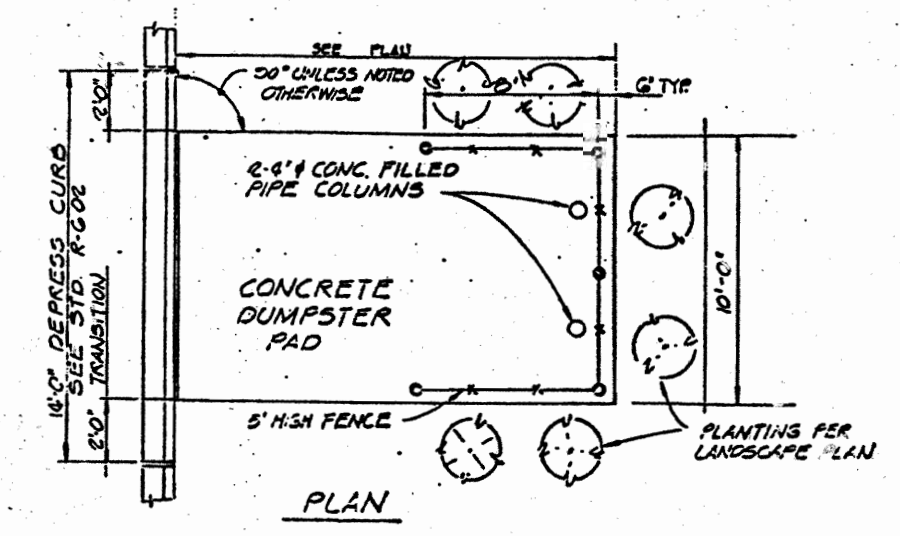
NOTE: PLACE 2" TOPSOIL SEED & MULCH ALL DISTURBED AREAS PER STD. SEEDING SPEC'S.

NOTE: SEE GRADING PLAN FOR CROSS-SLOPE.



SOIL TYPES (MAP #34)

SYMBOL	SERIES	TYPE
BcB2	BEAUVILLE	C
CmB2	CHILLUM	D
CmC2	CHILLUM	D



TYP. DUMPSTER PAD - DETAIL
NO SCALE

PLAN OF CURRENT CONDITIONS

NOTE: CURRENT LAND USE = PROPOSED LAND USE EXCEPT FOR AREAS TO BE STABILIZED WITH SEED & MULCH THERE ARE NO PLANNED IMPROVEMENTS THIS SUBMISSION.

PROPOSED LAND USE = INTERIM LAND USE PERMANENT IMPROVEMENTS TO BE CONSTRUCTED UNDER FUTURE DD'S.

*** STORM WATER MANAGEMENT DATA *(SEE NOTE)**

AREA	EXISTING CONDITIONS		DEVELOPED CONDITIONS		AREA
	T _E HR	RCH	T _E HR	RCH	
FLOWBY	0.14	B2	1.40 ac.	0.15	74
POND	0.12	B6	2.06 ac.	0.12	84
					1,224 ac.
					2,320 ac.

* NOTE: STORM WATER MANAGEMENT FOR THIS SITE IS BASED ON ACTUAL IMPERVIOUS COVER. ANY ADDITIONAL DEVELOPMENT WILL REQUIRE RE-EVALUATION OF THE STORMWATER MANAGEMENT DESIGN.

APPROVED: DEPARTMENT OF PLANNING AND ZONING

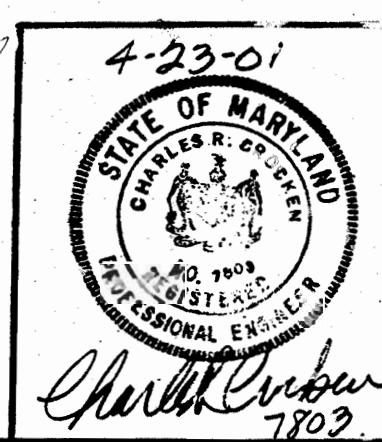
John DeWitt 11/9/01
CHIEF, DEVELOPMENT ENGINEERING DIVISION

Cindy Hester 11/30/01
CHIEF, DIVISION OF LAND DEVELOPMENT

Paul Burt 11/30/01
DIRECTOR

APPROVED: FOR PUBLIC WATER AND PRIVATE SEWERAGE SYSTEMS

Dino J. Matyniak 11/29/01
COUNTY HEALTH OFFICER
HOWARD COUNTY HEALTH DEPARTMENT



4-23-01

DATE	REVISION	BY
3/19/01	ADDED ABOVEGROUND FUEL TANK	TAP
10/5	PER HOWARD CO. COMMENTS	CRC
9/01	PER HOWARD CO. COMMENTS	CRC
6/01	PER HOWARD COUNTY COMMENTS	CRC
09/06		BY

DRAINAGE AREA MAP

PROJECT:	CLIENT:
SCHUBERT CONCRETE	6TH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
TAX MAP:	PARCELS:
47	2A, 2B & 2C
SCALE:	DESIGNED BY:
AS SHOWN	C.R.C.
DRAWN BY:	CHECKED BY:
C.R.C.	C.R.C.
DATE:	DRAWING NO.:
4/20/01	4054

CHARLES R. CROCKER AND ASSOCIATES, INC.
CIVIL ENGINEERING & LAND PLANNING
P.O. BOX 507
WESTMINSTER, MARYLAND 21157
TEL. (410) 549-2700
FAX. (410) 549-8063