

SHEET INDEX	
NO.	DESCRIPTION
1	ENVIRONMENTAL CONCEPT PLAN
2	SEDIMENT AND EROSION CONTROL PLAN, NOTES AND DETAILS

**SITE ANALYSIS DATA/TABULATION**

A) TOTAL PROJECT AREA.....	0.32± AC.
B) AREA OF WETLANDS.....	0.00 AC.
C) AREA OF 100-YR. FLOODPLAIN.....	0.00 AC.
D) AREA OF FOREST.....	0.00± AC.
E) AREA OF STEEP SLOPES 25% OF GREATER.....	0.00± AC.
F) AREA OF DEDICATION.....	0.00 AC.
G) MODERATELY ERODIBLE SOILS.....	0.32± AC.
H) NUMBER OF UNITS ALLOWED.....	1
I) NUMBER OF RESIDENTIAL UNITS PROPOSED.....	1
J) AREA OF PLAN SUBMISSION.....	0.32± AC.
K) LIMIT OF DISTURBED AREA.....	0.30± AC.
L) OPEN SPACE REQUIRED.....	0.00 AC.
M) OPEN SPACE PROVIDED.....	0.00 AC.
N) PRESENT ZONING DESIGNATION.....	R-12
O) PROPOSED USES FOR THE SITE AND STRUCTURES: ONE SINGLE FAMILY DETACHED DWELLING	
P) IMPERVIOUS COVER.....	0.09± AC.

**DESIGN NARRATIVE:**

THE SITE WAS ANALYZED AS WOODS IN GOOD CONDITION AND A TARGET RCN WAS DETERMINED. A TARGET RAINFALL DEPTH TREATMENT (PE) WAS DETERMINED BASED ON THE MEASURED IMPERVIOUS AREAS AND HSG TYPES. THE TARGET PE FOR THIS SITE IS 1.6" INCHES. THE TARGET PE WAS TREATED USING ENVIRONMENTAL SITE DESIGN PRACTICES AS OUTLINED IN CHAPTER 5 OF THE 2000 MARYLAND STORMWATER DESIGN MANUAL, AS AMENDED BY MARYLAND'S STORMWATER MANAGEMENT ACT OF 2007. THE SELECTED METHODS INCLUDE RCN REDUCTION WITH ROOFTOP DISCONNECT, AND VOLUMETRIC TREATMENT IN INFILTRATION BERMS AND A GRASS SWALE.

THIS SITE IS SURROUNDED BY EXISTING DEVELOPMENT. LIMITED OUTFALL OPPORTUNITIES ARE AVAILABLE. TREATMENT METHODS WERE SELECTED WHICH DID NOT REQUIRE UNDERDRAINS, SINCE THERE WAS NO OUTFALL FOR SUCH FACILITIES. THE DEVELOPMENT PROPOSED UNDER THIS ECP MINIMIZES IMPERVIOUS SURFACES BY INCLUDING A MODERATELY SIZED HOUSE, WITH A MINIMUM WIDTH DRIVEWAY, WHICH IS BEST TREATED USING ROOFTOP DISCONNECT, INFILTRATION BERMS AND A SHALLOW GRASS SWALE. NATURAL RESOURCE PROTECTION INCLUDES CONSERVATION OF A PORTION OF A SMALL WOODED AREA ALONG THE SOUTH EAST PROPERTY CORNER, AND STORMWATER DESIGN INCLUDING INFILTRATION BERMS AND MAINTENANCE OF MODERATE SLOPES TO HELP PROTECT FROM EROSION STORMWATER RUNOFF. THERE ARE NO REGULATORY NATURAL RESOURCES ON THIS PROJECT.

THERE WILL BE A SLIGHT HIGH POINT NEAR THE CENTER OF THE DRIVEWAY. THE FRONT OF THE DRIVEWAY WILL BE WARPED TO DRAIN TOWARD THE NORTH, AND A GRASS SWALE WILL BE PROVIDED TO CONVEY THE RUNOFF TO THE EXISTING FLOWLINE ALONG THE STREET. DEVELOPED DRAINAGE PATTERNS WILL GENERALLY FOLLOW EXISTING DRAINAGE PATTERNS.

THE REAR PORTION OF THE DRIVEWAY WILL BE CONVEYED TO INFILTRATION BERM #1, ALONG WITH THE ROOFTOP RUNOFF FROM FRONT OF THE ROOF. PORTIONS OF THE ROOFTOP WILL BE PARTIALLY TREATED BY DISCONNECTION. FLOW DIRECTIONS AND GRADES HAVE BEEN PROVIDED TO FACILITATE CONSTRUCTION.

THE REAR ROOFTOP WILL FLOW TOWARD INFILTRATION BERM #2, AND WILL BE PARTIALLY TREATED BY DISCONNECT METHOD. FLOW ARROWS AND GRADES ARE PROVIDED, ALONG WITH PERTINENT SPOT ELEVATIONS NEEDED TO ENSURE THAT THE GRADING CONVEYS THE RUNOFF TO THE INFILTRATION BERM.

THE INFILTRATION BERMS WERE SELECTED BECAUSE THEY WILL RETAIN AND TREAT THE STORMWATER RUNOFF WITHOUT THE NEED FOR AN UNDERDRAIN. RETAINED WATER WILL INFILTRATE AND/OR DISCHARGE THROUGH THE STONE CORE OF THE BERM, DELAYING THE DISCHARGE.

SEDIMENT AND EROSION CONTROLS, BASED ON THE 1994 MARYLAND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. EROSION CONTROL MATTING AND SUPER SILT FENCE ARE USED TO PREVENT RUNOFF CONTAINING UNACCEPTABLE LEVELS OF TSS FROM LEAVING THE SITE AND ENTERING THE ADJACENT STREAM DURING THE CONSTRUCTION. IT WILL BE THE OBLIGATION OF THE CONTRACTOR TO INSTALL, INSPECT AND MAINTAIN THESE PRACTICES.

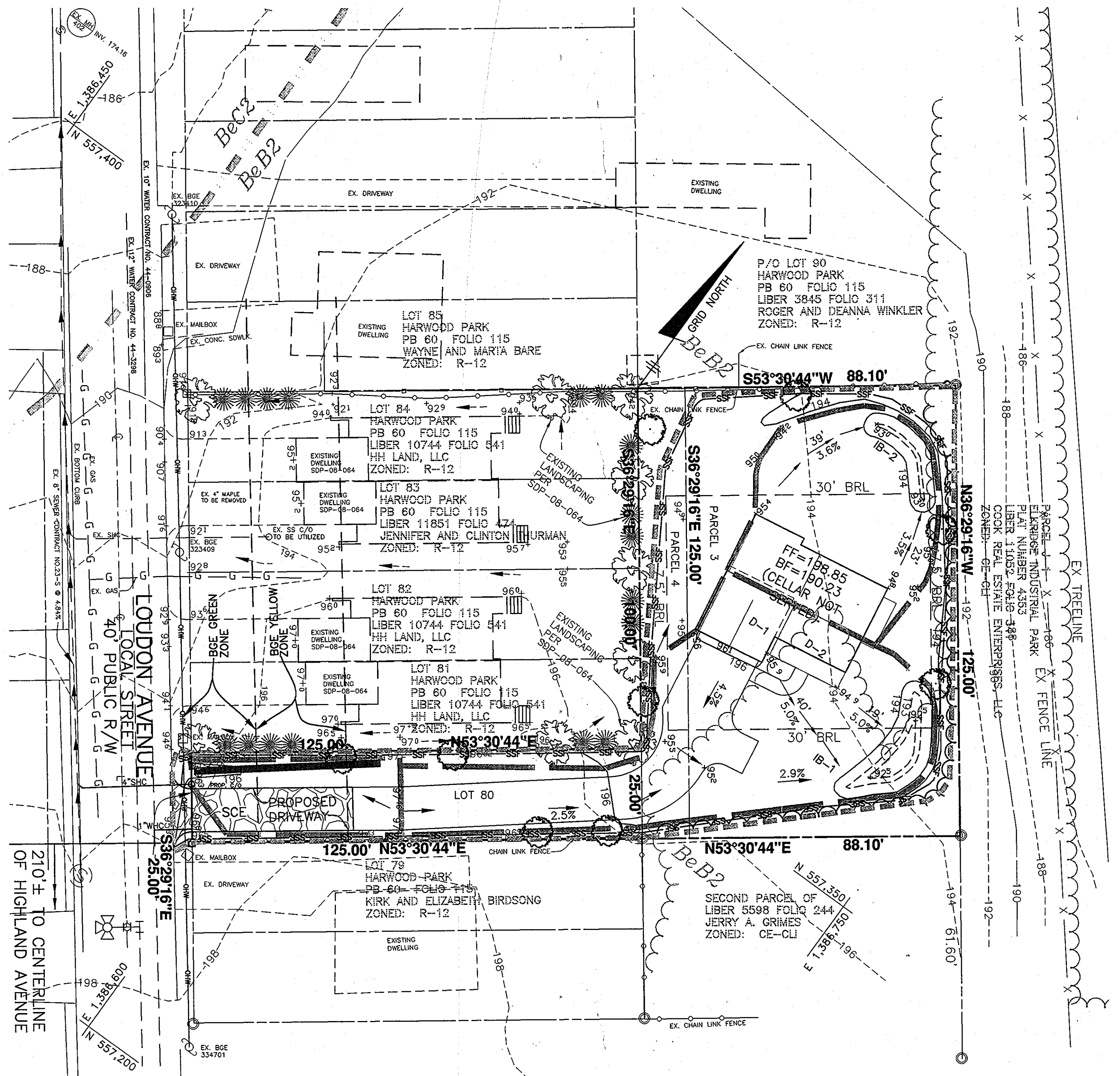
THE TARGET PE FOR THIS SITE IS 1.6" INCHES. BY USING ENVIRONMENTAL SITE DESIGN PRACTICES AS OUTLINE IN CHAPTER 5 OF THE 2000 MARYLAND STORMWATER DESIGN MANUAL AS AMENDED BY MARYLAND STORMWATER MANAGEMENT ACT OF 2007, FULL TREATMENT OF THE TARGET Pe OF 1.6" WAS ACHIEVED, FULLY ADDRESSING THE STORMWATER MANAGEMENT REQUIREMENTS.

A DESIGN MANUAL WAIVER FOR "CELLAR NO SERVICE" WILL BE REQUESTED FOR THIS PLAN.

**GENERAL NOTES**

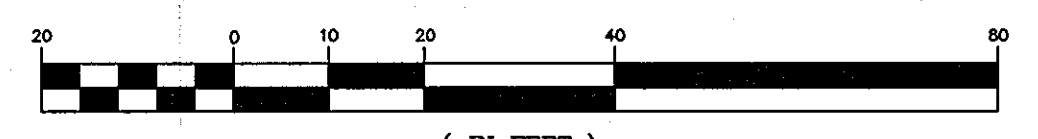
- THE SUBJECT PROPERTY IS ZONED R-12 PER THE 2-2-04 COMPREHENSIVE ZONING PLAN AND PER COMP. LITE ZONING AMENDMENTS EFFECTIVE 7-28-2006.
- THIS PROJECT IS SUBJECT TO THE AMENDED FIFTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE ZONING REGULATIONS EFFECTIVE APRIL 13, 2004.
- EXISTING BOUNDARY AND TOPOGRAPHY SHOWN WITHIN PROJECT BOUNDARY WAS FIELD SURVEYED BY BENCHMARK ENGINEERING, INC. IN JULY, 2007. CONTOUR INTERVAL IS 2 FEET.
- THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM. HOWARD COUNTY MONUMENTS 3805 AND 3806 WERE USED FOR THIS PROJECT.
- EXISTING UTILITIES SHOWN ARE SHOWN FROM APPROVED CONTRACT DRAWINGS AND FIELD RUN LOCATIONS. IF NECESSARY, CONTRACTOR SHALL ADJUST ANY OR ALL STRUCTURE TOP ELEVATIONS TO MATCH SPOT GRADES.
- THERE ARE NO STREAMS, STREAM BUFFERS, 100-YR FLOODPLAIN OR STEEP SLOPES LOCATED ON THIS SITE. THERE ARE NO WETLANDS OR WETLANDS BUFFERS ON THE SITE, BASED ON A WETLAND CERTIFICATION PERFORMED BY BENCHMARK ENGINEERING, INC. IN AUGUST, 2010.
- THERE ARE NO CEMETERIES LOCATED ON THIS SITE.
- A NOISE STUDY IS NOT REQUIRED FOR THIS DEVELOPMENT.
- THIS PROJECT IS EXEMPT FROM A TRAFFIC STUDY BECAUSE IT CREATES NO ADDITIONAL UNITS.
- THIS SITE IS LOCATED WITHIN THE METROPOLITAN DISTRICT.
- THIS PROPERTY IS WITHIN THE METROPOLITAN DISTRICT. WATER AND SEWER SERVICE SHALL BE PUBLIC, CONNECTING TO EXISTING CONTRACTS NO. 44-0906 AND 23-5, RESPECTIVELY, UNDER THIS SITE DEVELOPMENT PLAN.
- THIS SUBMISSION IS EXEMPT FROM THE REQUIREMENTS OF SECTION 16.1202(a)(1)(i) OF THE HOWARD COUNTY CODE FOR FOREST CONSERVATION BECAUSE THE LOT IS LESS THAN 40,000 S.F. IN SIZE.
- PREVIOUS HOWARD COUNTY FILE NUMBERS: N/A
- STORMWATER MANAGEMENT SHALL BE PROVIDED FOR THIS PROJECT BASED ON GUIDELINES ESTABLISHED BY THE 2000 MARYLAND STORMWATER DESIGN MANUAL VOLUMES 1 & 2, AS AMENDED BY THE STORMWATER MANAGEMENT ACT OF 2007. THE ENVIRONMENTAL SITE DESIGN PRACTICES TO BE USED ARE INFILTRATION BERMS AND ROOFTOP DISCONNECT, TO BE OWNED AND MAINTAINED BY THE PROPERTY OWNER. A SUPPLEMENTAL STORMWATER MANAGEMENT REPORT HAS BEEN PROVIDED WITH THIS SUBMISSION.

APPROVED: DEPARTMENT OF PLANNING AND ZONING  
 [Signature]  
 CHIEF, DIVISION OF LAND DEVELOPMENT  
 DATE: 1/11/11  
 [Signature]  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION  
 DATE: 1/21/11



**PROPOSED CONDITION**

SCALE: 1" = 20'  
 GRAPHIC SCALE



**A. Determine Pre-Developed Conditions**

Soil Conditions for "Woods in Good Condition"			
HSG	RCN	Area (ft <sup>2</sup> )	Percent
A	38		
B	55		
C	70	14138	50%
D	77		
Target RCN	70	14138	

**B. Determine Target Pe Using Table 5.3**

Soil Conditions Developed Condition				Target Pe
HSG	Area (ft <sup>2</sup> )	Impervious	Percent	
A				
B				
C	14138	3926	30%	1.6
D				
Weighted Pe	14138	3926	30%	1.6

\* Percent Impervious is rounded to the next higher increment of 5%

Treatment Requirement, Pe:		1.6 inches			
DA ID	Drainage Area (sf)	Impervious Area (sf)	ESDv (cf)		
IB-1	5196	2720	351		
IB-2	2715	733	108		
SW-1	1088	841	84		

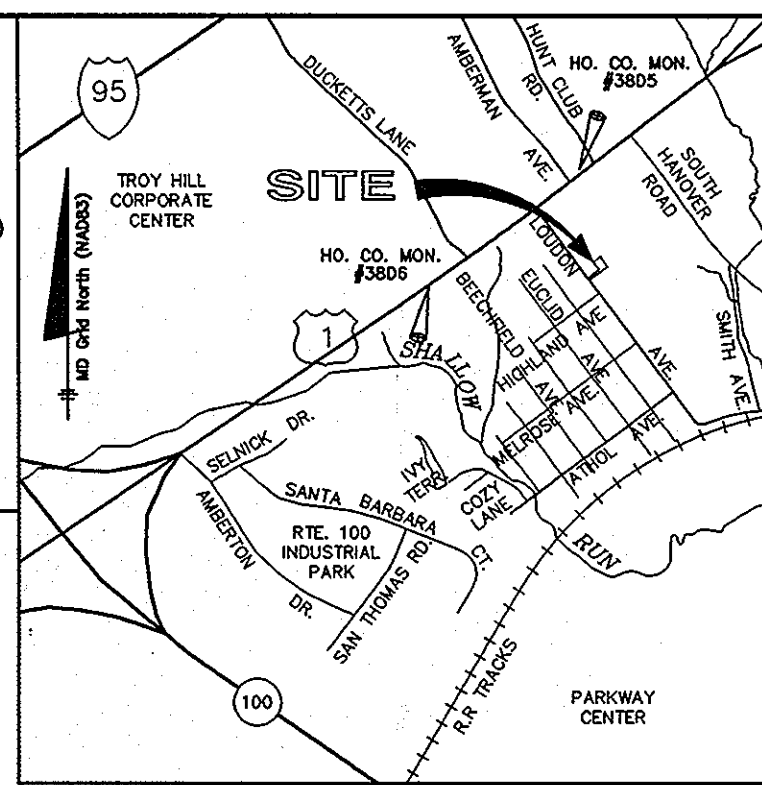
  

Treatment Provided		Area (sf)	Length (ft)	Pe (in)	Converted to ESDv (cf)
IB-1	D-1 Disconnect	201	40	0.5	8
	D-2 Disconnect	325	19	0.3	8
	IB-2 Berm				358
					Provided: 374
IB-2	D-3 Disconnect	356	39	0.5	15
	D-4 Disconnect	325	23	0.3	8
	IB-2 Berm				127
					Provided: 150
SW-1	Grass Swale				110
					Provided: 110

**BENCH MARKS NAD 83**

HO. CO. #3805 (NAD '83) ELEV. 193.71  
 STAMPED DISC ON CONCRETE MONUMENT  
 BEING 38.8' SOUTHWEST OF A FIRE HYDRANT,  
 5.6' NORTH OF THE EXISTING CONCRETE CURB  
 ALONG NORTH SIDE OF WASHINGTON BLVD (RT.11)  
 N 558,378.581 E 1,386,524.195

HO. CO. #3805 (NAD '83) ELEV. 175.23  
 STAMPED DISC ON CONCRETE MONUMENT  
 BEING 44' SOUTHWEST OF A LIGHT POLE &  
 148' NORTH OF THE GATE AT ATLANTIC  
 SUPPLY CO.  
 N 557,155.459 E 1,384,992.262



VICINITY MAP  
 SCALE: 1" = 2000'  
 ADC MAP 4937, GRID B9

**LEGEND**

- EXISTING CONTOURS
- PROPOSED CONTOURS
- EXISTING TREE LINE
- PROPOSED TREE LINE
- EXISTING STRUCTURE
- PROPOSED STRUCTURE
- FACILITY DRAINAGE AREA
- SOILS CLASSIFICATION
- SUPER SILT FENCE
- STABILIZED CONSTRUCTION ENTRANCE
- EROSION CONTROL MATTING

**SOILS LEGEND**

MAP SYMBOL	SOIL GROUP	SOIL TYPE
BeB2	C	BELTSVILLE SILT LOAM, 1 TO 5 PERCENT SLOPES, MODERATELY ERODED

\* INDICATES HYDRIC SOILS  
 TAKEN FROM SOILS SURVEY, ISSUED JULY 1968, MAP NO. 26

NO.	DATE	REVISION

**BENCHMARK ENGINEERING, INC.**  
 ENGINEERS & LAND SURVEYORS & PLANNERS

8460 BALTIMORE NATIONAL PIKE SUITE 418 & ELLIOTT CITY, MARYLAND 21043  
 (P) 410-425-0105 (F) 410-465-0844  
 60 THOMAS JOHNSON DRIVE & FREDERICK, MARYLAND 21702  
 (P) 301-371-3505 (F) 301-371-3506  
 WWW.BE-CVLENGINEERING.COM

OWNER: HH LAND, LLC 16272 COMPROMISE COURT MOUNT AIRY, MARYLAND 21771 410-781-7533	PROJECT: HARWOOD PARK LOT 80, PARCELS THREE AND FOUR OF LIBER 10744, FOLIO 54-1
BUILDER: WILLIAM DOUGLAS ASSOC., INC. 16272 COMPROMISE COURT MOUNT AIRY, MARYLAND 21771 410-781-7533	LOCATION: TAX MAP No. 38, GRID No. 13, PARCEL No. 873 1st ELECTION DISTRICT HOWARD COUNTY, ELKRIDGE, MARYLAND 21075
TITLE: ENVIRONMENTAL CONCEPT PLAN	
DATE: AUGUST, 2010	PROJECT NO. 2054
Design: AM	Draft: AM
Check: BFC	SCALE: AS SHOWN
DRAWING 1 OF 2	



SEDIMENT CONTROL NOTES

- A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTION, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION. (21-10-04)
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, REVISIONS THERETO.
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 7 CALENDAR DAYS FOR ALL PERMANENT SEDIMENT CONTROL STRUCTURES AND ALL SLOPES GREATER THAN 3:1 (B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAP/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, PERMANENT SEEDING (SEC. 31) 500 (SEC. 34) TEMPORARY SEEDING (SEC. 30) AND MULCHING (SEC. 50). TEMPORARY STABILIZATION WITH MULCH alone CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- 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.
- SITE ANALYSIS:

TOTAL AREA OF SITE (THIS SUBMISSION)	0.32	ACRES
AREA DISTURBED	0.30	ACRES
AREA TO BE ROOFED OR PAVED	0.09	ACRES
AREA TO BE VEGETATIVELY STABILIZED	0.21	ACRES
TOTAL CUT	2.49	CY
TOTAL FILL	26.4	CY
OFFSITE WASTE/BORROW AREA LOCATION	N/A	

PERMANENT SEEDBED PREPARATIONS

SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING. IF NOT PREVIOUSLY LOOSENED.

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

- PREFERRED - APPLY 2 TONS PER ACRE DOMOLIC LIMESTONE (92 LBS/1000 SO FT) AND 100 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SO FT) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL AT TIME OF SEEDING. APPLY 400 LBS PER ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS/1000 SO FT).
- ACCEPTABLE - APPLY 2 TONS PER ACRE DOMOLIC LIMESTONE (92 LBS/1000 SO FT) AND 1000 LBS PER ACRE 10-10-10 FERTILIZER (22 LBS/1000 SO FT) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL.

SEEDING: FOR THE PERIODS MARCH 1 THROUGH APRIL 30 AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 80 LBS PER ACRE (1.4 LBS/1000 SO FT) OF KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS PER ACRE (0.03 LBS/1000 SO FT) OF MIXED LEGUMES. DURING THE PERIODS OCTOBER 16 THROUGH FEBRUARY 28, PROTECT 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 SOIL OPTION (2) SEED WITH 60 LBS PER ACRE OF KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS PER ACRE OF WELL ANCHORED STRAW.

MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SO FT) OF UNROTTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 216 GALLONS PER ACRE (5 GAL/1000 SO FT) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES, 8 FT OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SO FT) FOR ANCHORING.

MAINTENANCE: INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

TEMPORARY SEEDBED PREPARATIONS

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

SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS: APPLY 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SO FT).

SEEDING: FOR PERIOD MARCH 1 THROUGH APRIL 30 AND FROM AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 2-1/2 BUSHELS PER ACRE OF ANNUAL RYE (3.2 LBS/1000 SO FT) FOR THE PERIOD MAY 1 THROUGH AUGUST 14, SEED WITH LBS PER ACRE OF MIXED LEGUMES (0.7 LBS/1000 SO FT). FOR THE PERIOD NOVEMBER 16 THROUGH FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOIL.

MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SO FT) OF UNROTTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 216 GALLONS PER ACRE (5 GAL/1000 SO FT) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES, 8 FT OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SO FT) FOR ANCHORING.

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

SEQUENCE OF CONSTRUCTION

NOTIFY SEDIMENT CONTROL DIVISION 48 HOURS PRIOR TO START OF CONSTRUCTION

DAY 1) OBTAIN GRADING PERMIT.

DAY 2-6) INSTALL SEDIMENT CONTROLS THAT ARE NOTED TO BE INSTALLED UNDER THIS SDP.

DAY 7-10\*) EXCAVATE FOR FOUNDATION, ROUGH GRADE AND STABILIZE IN ACCORDANCE WITH TEMPORARY SEEDBED NOTES.

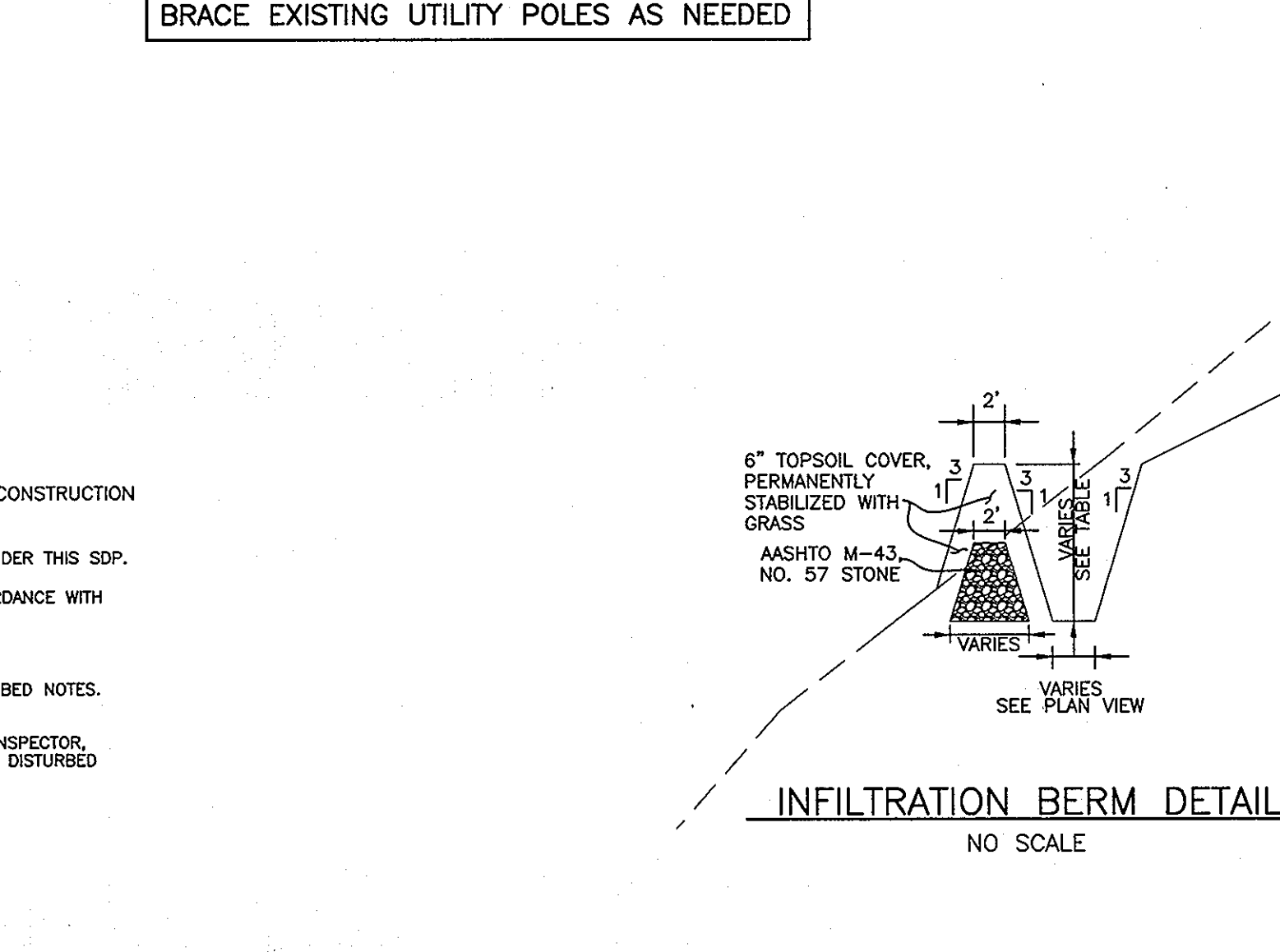
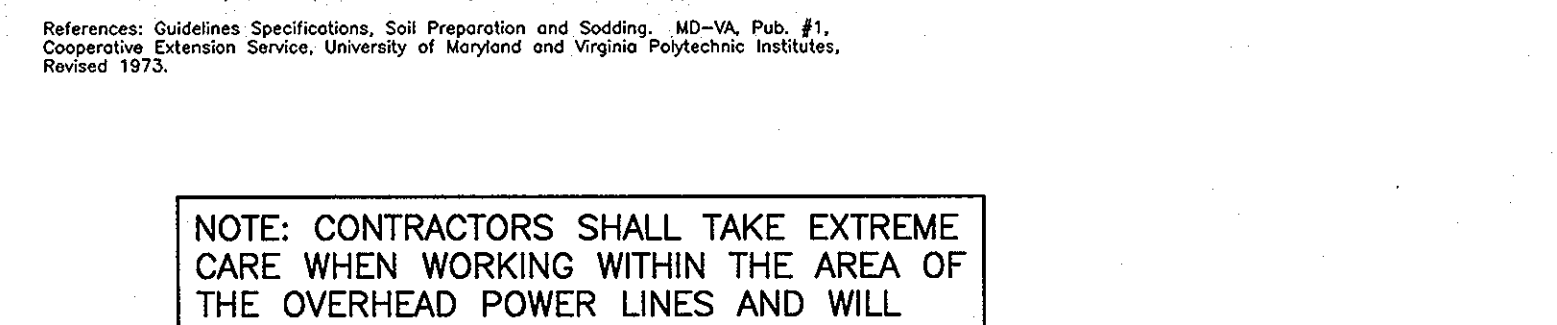
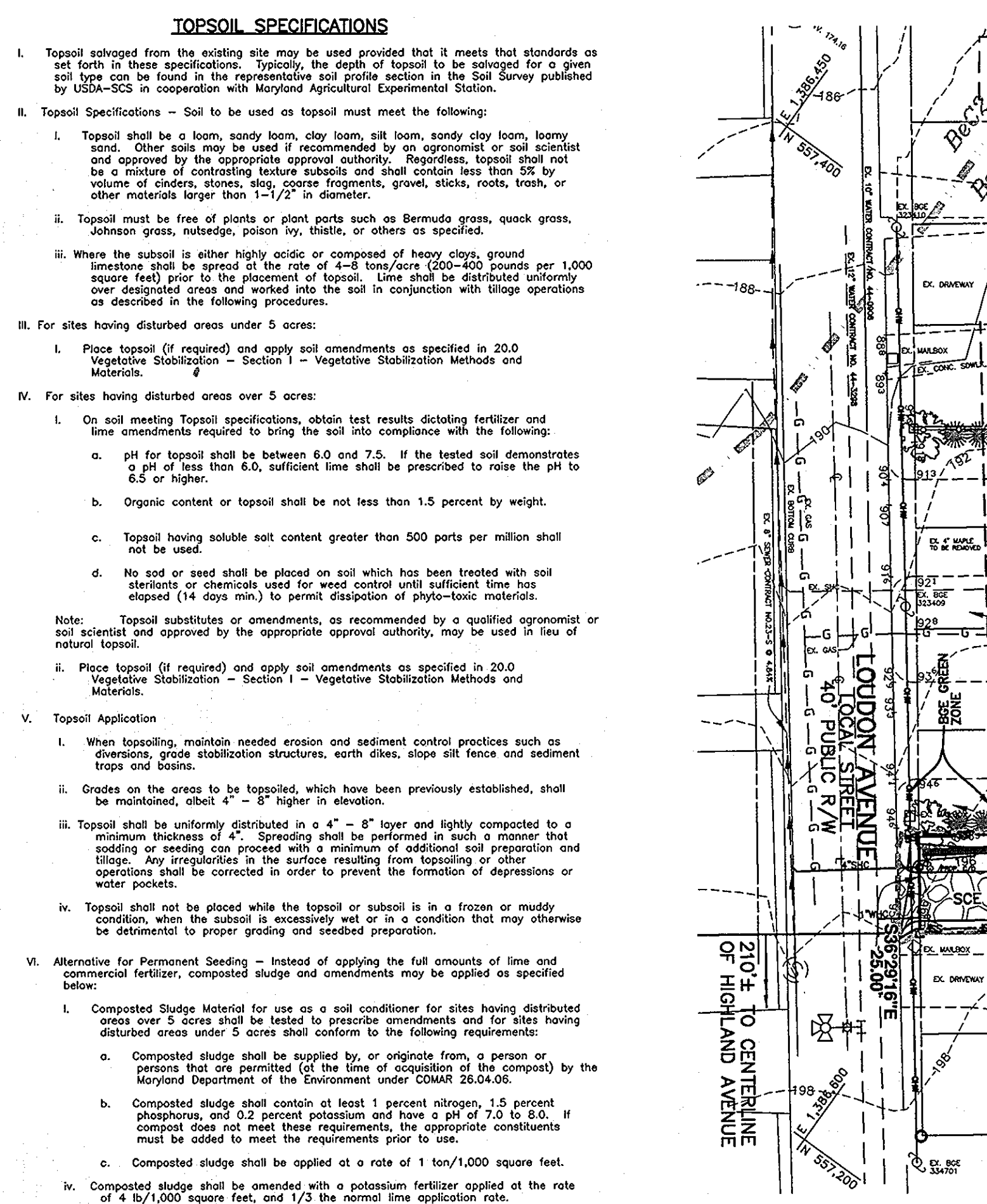
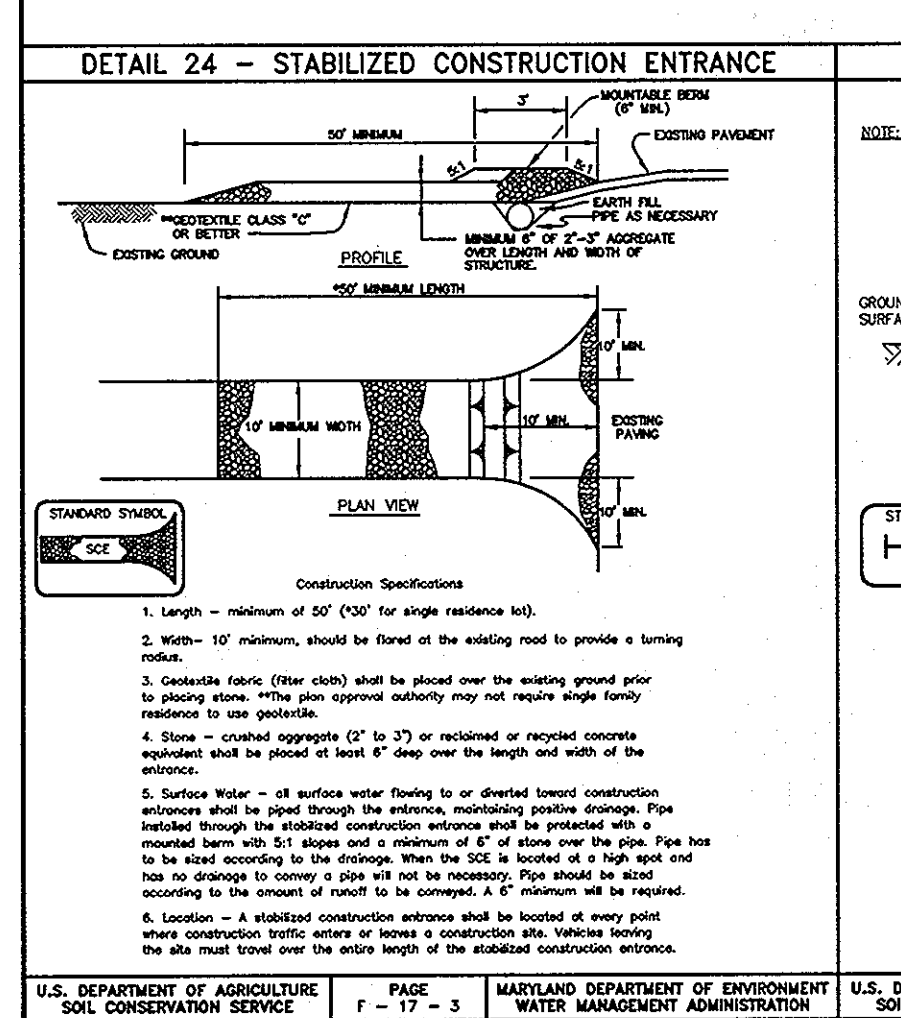
DAY 11-80) CONSTRUCT HOUSE, BACKFILL AND CONSTRUCT DRIVEWAY.

DAY 81-85) FINAL GRADE AND STABILIZE IN ACCORDANCE WITH PERMANENT SEEDBED NOTES.

DAY 86-89) WITH THE APPROVAL OF THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL DEVICES AND STABILIZE ANY REMAINING DISTURBED AREAS.

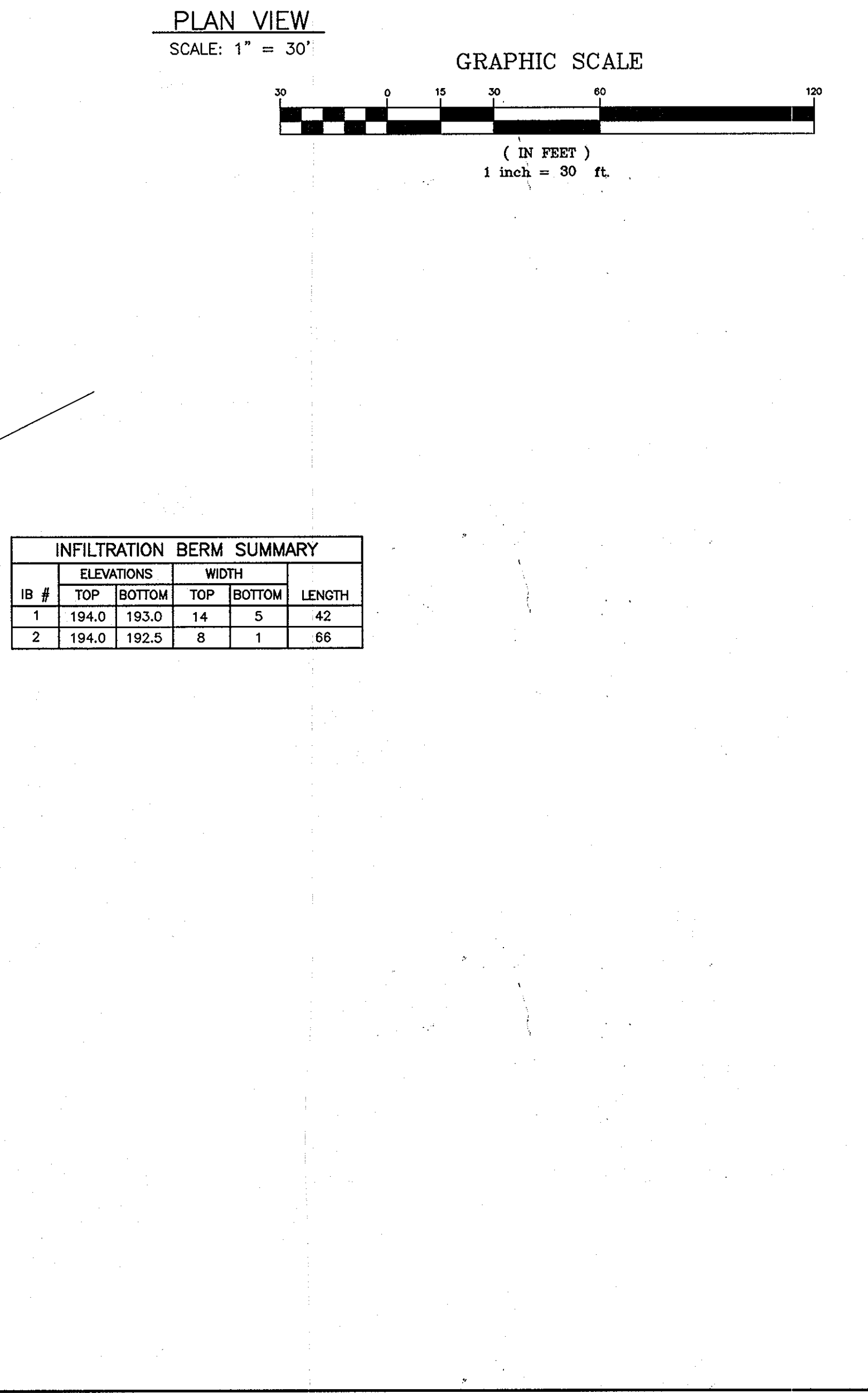
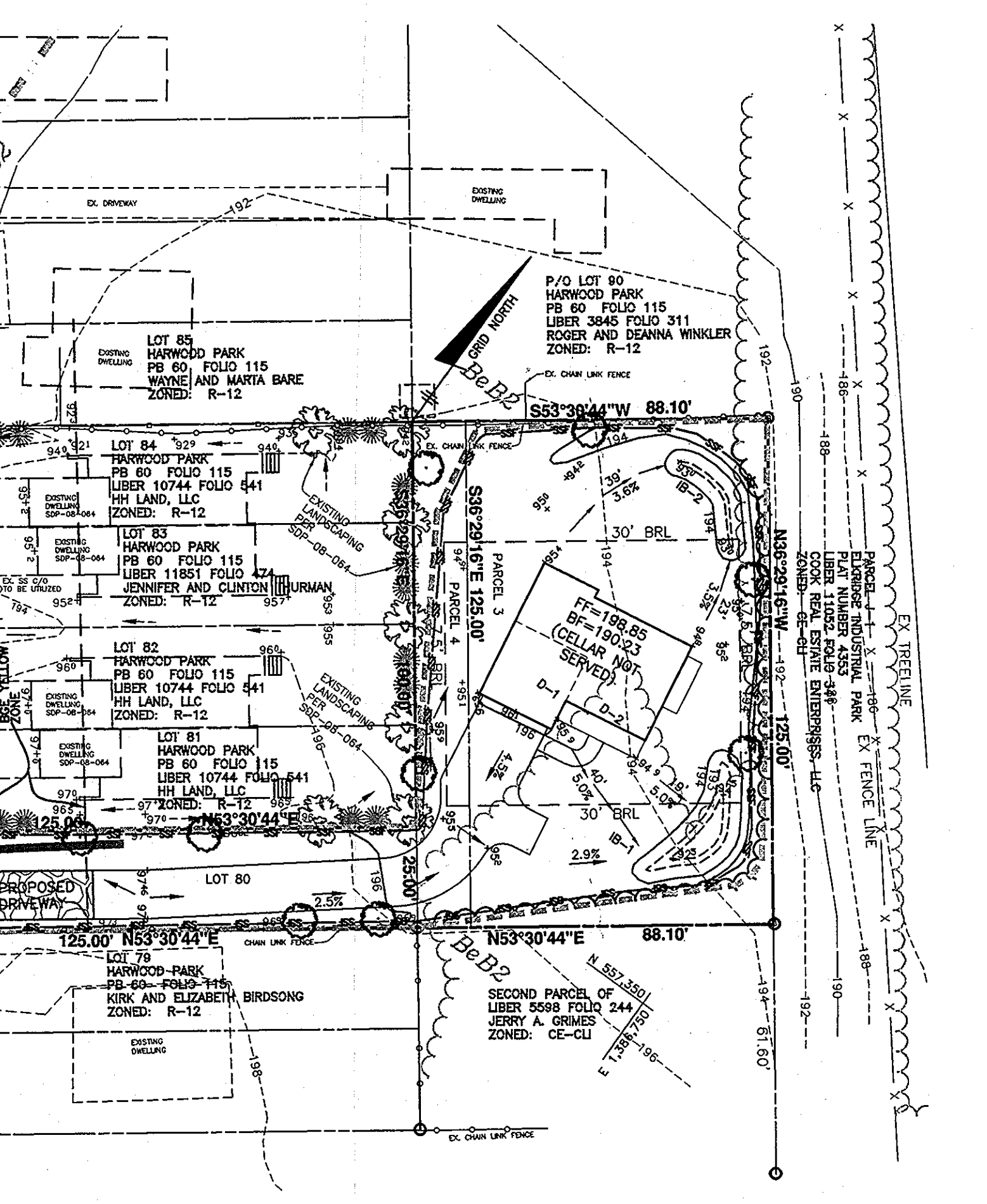
NOTE: EROSION CONTROL MATTING SHALL BE PLACED IN SWALES WHERE DEEMED NECESSARY UNTIL VEGETATION IS ESTABLISHED OR SOIL SUD SHOULD BE USED.

NOTE: THE UTILITY INVERT ELEVATIONS PROVIDED ON THIS PLAN SHALL BE FIELD VERIFIED PRIOR TO BEGINNING CONSTRUCTION.

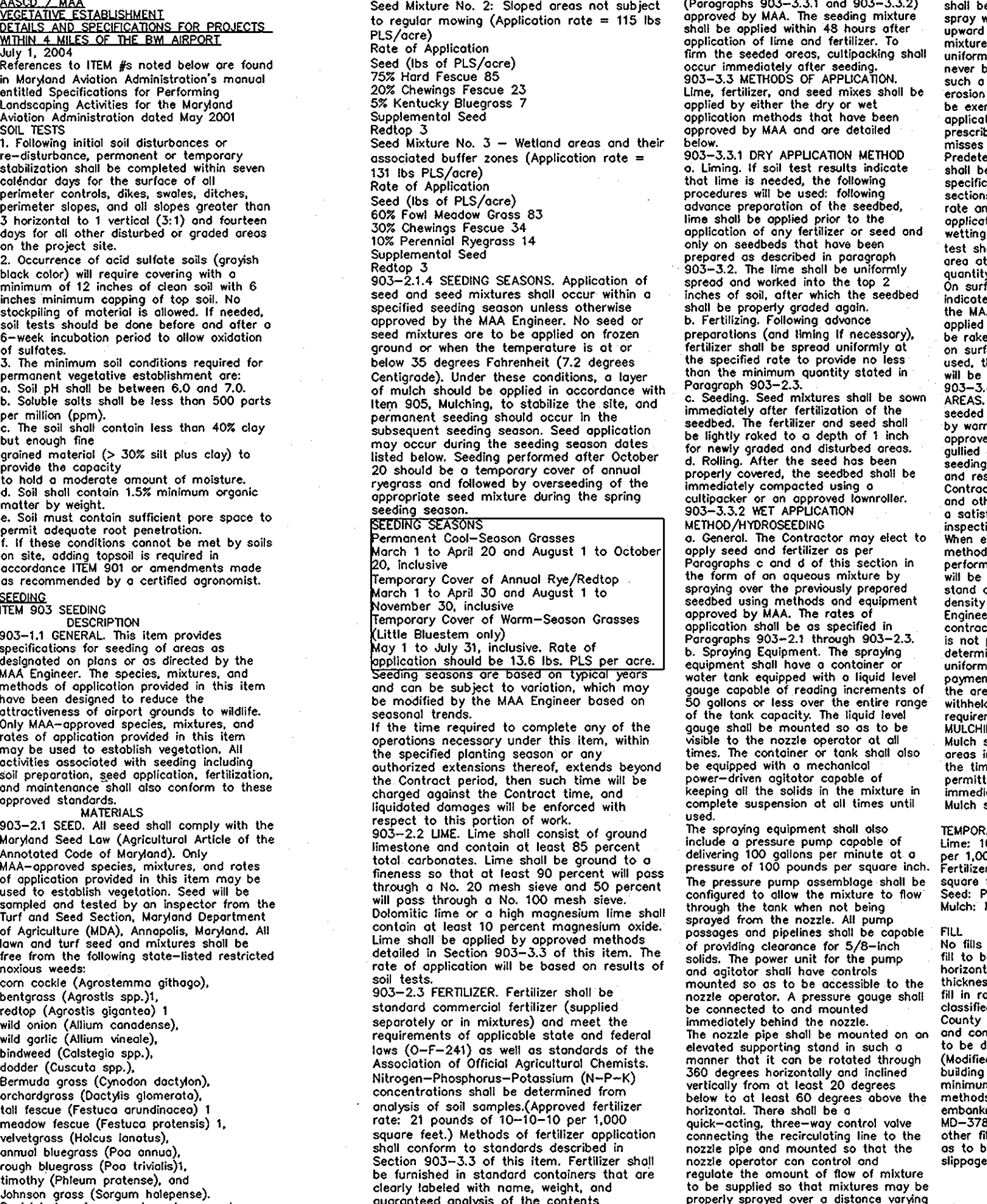


IB #	ELEVATIONS		WIDTH		LENGTH
	TOP	BOTTOM	TOP	BOTTOM	
1	194.0	193.0	14	5	42
2	194.0	192.5	8	1	66

U.S. DEPARTMENT OF AGRICULTURE... MARYLAND DEPARTMENT OF ENVIRONMENT... WATER MANAGEMENT ADMINISTRATION



U.S. DEPARTMENT OF AGRICULTURE... MARYLAND DEPARTMENT OF ENVIRONMENT... WATER MANAGEMENT ADMINISTRATION



OWNER: HH LAND, LLC  
16272 COMPROMISE COURT  
MOUNT AIRY, MARYLAND 21771  
410-781-7533

PROJECT: HARWOOD PARK  
LOT 80, PARCELS THREE AND FOUR  
OF LIBER 10744, FOLIO 541

LOCATION: TAX MAP No. 38, GRID No. 13,  
PARCEL No. 873  
1ST ELECTION DISTRICT  
HOWARD COUNTY,  
ELKRIE, MARYLAND 21075

BUILDER: WILLIAM DOUGLAS ASSOC., INC.  
16272 COMPROMISE COURT  
MOUNT AIRY, MARYLAND 21771  
410-781-7533

TITLE: SEDIMENT AND EROSION CONTROL  
PLAN AND DETAILS

DATE: AUGUST, 2010  
PROJECT NO. 2054

SCALE: AS SHOWN  
DRAWING 2 OF 2

DESIGN: AM Draft: AM Check: BFC

U.S. DEPARTMENT OF AGRICULTURE... MARYLAND DEPARTMENT OF ENVIRONMENT... WATER MANAGEMENT ADMINISTRATION