

**CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**

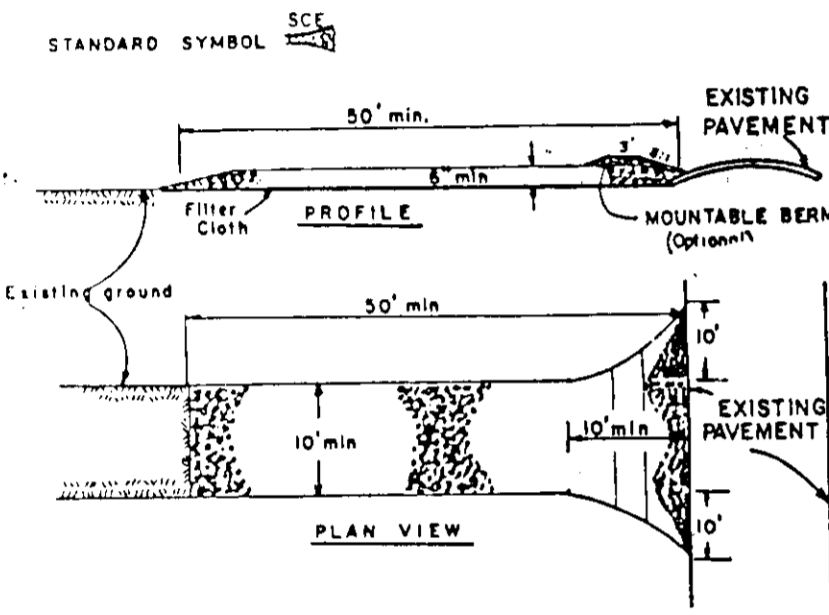
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES
  - FILTER CLOTH TO BE FASTENED SECURELY TO A WOVEN WIRE FENCE WITH TIES SPACED EVERY 24\"/>
- POSTS: STEEL EITHER 1\"/>

FENCE: WOVEN WIRE, 14 GA. 6\"/>

FILTER CLOTH: FILTER X, MIRAAT 100X, STABILIZING TAIN OR APPROVED EQUAL

PREFABRICATED UNIT, GEOFAB, ENVIRONMENT, OR APPROVED EQUAL

**STABILIZED CONSTRUCTION ENTRANCE**  
not to scale



**CONSTRUCTION SPECIFICATIONS**

- STONE SIZE - USE 2\"/>
- LENGTH - AS REQUIRED, BUT NOT LESS THAN 40 FEET (EXCEPT ON A SINGLE RESIDENTIAL LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
- THICKNESS - NOT LESS THAN SIX (6) INCHES
- WIDTH - TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INCREASE AND DECREASE OCCUR
- FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO THE PLACING OF STONE. FILTER WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENTIAL LOT.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BEAM WITH 3:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEAN UP ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTIONS AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

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

*Catherine Engle / C.S. 10/28/94*  
U.S. SOIL CONSERVATION SERVICE DATE

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

*Shanaberger & Lane 10/28/94*  
HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING OF HOWARD COUNTY

*James S. Smith 10/28/94*  
PLANNING DIRECTOR DATE

*Jim Swann 10/27/94*  
DEPARTMENT T.C. DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*James S. Smith 10/28/94*  
DIRECTOR DATE

*Shanaberger & Lane 10/28/94*  
CHIEF BUREAU OF ENGINEERING DATE

**SITE ANALYSIS:**

DEED REFERENCE: 2793/728, PLAT REF: F-94-23, PLAT #11283  
 EXISTING ZONING: R-SC  
 SITE AREA: 8711 S.F. OR 0.2 AC.  
 TOTAL AREA TRACT TO BE SUBDIVIDED: N/A  
 TOTAL AREA IN STREET R/W: N/A  
 TOTAL AREA IN OPEN SPACE: N/A  
 PROPOSED DEVELOPMENT: RESIDENTIAL PERMITTED & PROP. NO. DWELLING UNITS: 1  
 PROP. NO. PARKING SPACES: 2  
 ROAD SYSTEM: EXISTING  
 WATER & SEWER SYSTEM: PUBLIC  
 STORM DRAINAGE & STORMWATER MANAGEMENT FACILITY PROVIDED: INFILTRATION TRENCHES FOR WATER QUALITY  
 BUILDING COVERAGE: 15533% - 17.63%

**SEQUENCE OF CONSTRUCTION:**

- OBTAIN GRADING PERMIT
- INSTALLATION OF SEDIMENT CONTROL DEVICES & TPD'S
- REMOVAL OF DEBRIS, BRUSH AND OTHER MATERIAL INTERFERING WITH CONSTRUCTION
- CONSTRUCTION
- REMOVAL OF CONSTRUCTION DEBRIS
- COMPLETION OF STABILIZATION
- REMOVAL OF SEDIMENT CONTROL DEVICES & TPD'S
- MAINTENANCE OF PROPERTY BY OWNERS.

**PERMANENT SEEDING NOTES**

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

SEEDBED PREPARATION: LOOSEN UPPER 3 INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS: USE ONE OF THE FOLLOWING SCHEDULES:  
 1) PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1000 SQUARE FEET) AND 400 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS./1000 SQUARE FEET) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 10-0-0 UREA/FORM FERTILIZER (91 LBS./1000 SQUARE FEET)  
 2) ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1000 SQUARE FEET) AND 1000 LBS PER ACRE 10-10-10 FERTILIZER (21 LBS./1000 SQUARE FEET) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL.

SEEDING: FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 60 LBS PER ACRE (14 LBS./1000 SQUARE FEET) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS. KENTUCKY 31 TALL FESCUE PER ACRE (105 LBS./1000 SQUARE FEET) OF WEeping LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, PROJECT 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 (3) SEED WITH 60 LBS PER ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED STRAW.

MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQUARE FEET) OF UNROTATED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL. 218 GALLONS PER ACRE (5 GAL./1000 SQUARE FEET) OF EMULSIFIED ASPHALT FLAT AREAS ON SLOPES 8 FEET OR HIGHER, USE 148 GALLONS PER ACRE (8 GAL./1000 SQUARE FEET) FOR ANCHORING.

MAINTENANCE: INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS DISCING OR OTHER RESEEDINGS

**SEDIMENT CONTROL NOTES**

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSING AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION (11-1-85)
- 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 "MARKED" STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, AND REVISIONS THERETO.
- FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN A) 7 CALENDAR DAYS FOR ALL PERMITS (SEDIMENT CONTROL) STRUCTURES, DICES, PERMITS SLOPES AND ALL SLOPES GREATER THAN 3:1, B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/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 DESIGN
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1991 MARKED STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SEC. 11) SOIL (SEC. 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC. 52). 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 PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:  
 TOTAL AREA OF SITE: 2,000 AC  
 AREA DISTURBED: 0.530 AC  
 AREA TO BE ROOFED OR PAVED: 0.064 AC  
 AREA TO VEGETATIVELY STABILIZED: 0.396 AC  
 TOTAL CUT: 360 CY  
 TOTAL FILL: 110 CY  
 CRASHMENT CHANNEL
- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE
- ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY DPW SEDIMENT CONTROL INSPECTOR.
- ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON THE COMPLETION OF THE INSTALLATION OF PERMITS, EROSION AND SEDIMENT CONTROL, BUT 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.
- TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH CAN BE BACK FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

**TEMPORARY SEEDING NOTES**

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

SEEDBED PREPARATION: LOOSEN UPPER 3 INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS: APPLY 600 LBS./ACRE 10-10-10 FERTILIZER (14 LBS./1000 SQUARE FEET)

SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 2-1/2 BUSHEL PER ACRE OF ANNUAL RYE (3 LBS./1000 SQUARE FEET). FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS PER ACRE OF WEeping LOVE GRASS (7 LBS./1000 SQUARE FEET) FOR THE PERIOD NOVEMBER 16 THRU 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 SQUARE FEET) OF UNROTATED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL. 218 GAL. PER ACRE (5 GAL./1000 SQUARE FEET) OF EMULSIFIED ASPHALT ON FLAT AREAS ON SLOPES 8 FT. OR HIGHER, USE 148 GAL. PER ACRE (8 GAL./1000 SQUARE FEET) FOR ANCHORING.

"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

*Scott Shanaberger 10/28/94*  
SCOTT SHANABERGER  
PROFESSIONAL LAND SURVEYOR # 10849 DATE

**DEVELOPER'S CERTIFICATE**

"I 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 PRIOR TO BEGINNING THE PROJECT. I ALSO AUTHORIZE PERMITS AND INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

*Shanaberger & Lane 10/28/94*  
NAME AND TITLE DATE TITLE

DEVELOPER: NEW CONCEPT HOMES 19209 BATHOCE AVE. LAUREL, MD 20707 (301) 369-4000	OWNER: SAME AS DEVELOPER	SUBDIVISION NAME: THE CEDARS PLAT OR L/F BLOCK 14 ZONE RSC TAX MAP 43 SEWER CODE: FBUC 3290000	SECTION/AREA: 0711 SF 10 ELECT. DIST. 6TH CENSUS TRACT 6099.1
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**SITE DEVELOPMENT PLAN**  
**THE CEDARS**  
 LOT 10  
 6TH ELECTION DISTRICT HOWARD COUNTY, MD.  
 SEPT. 1994

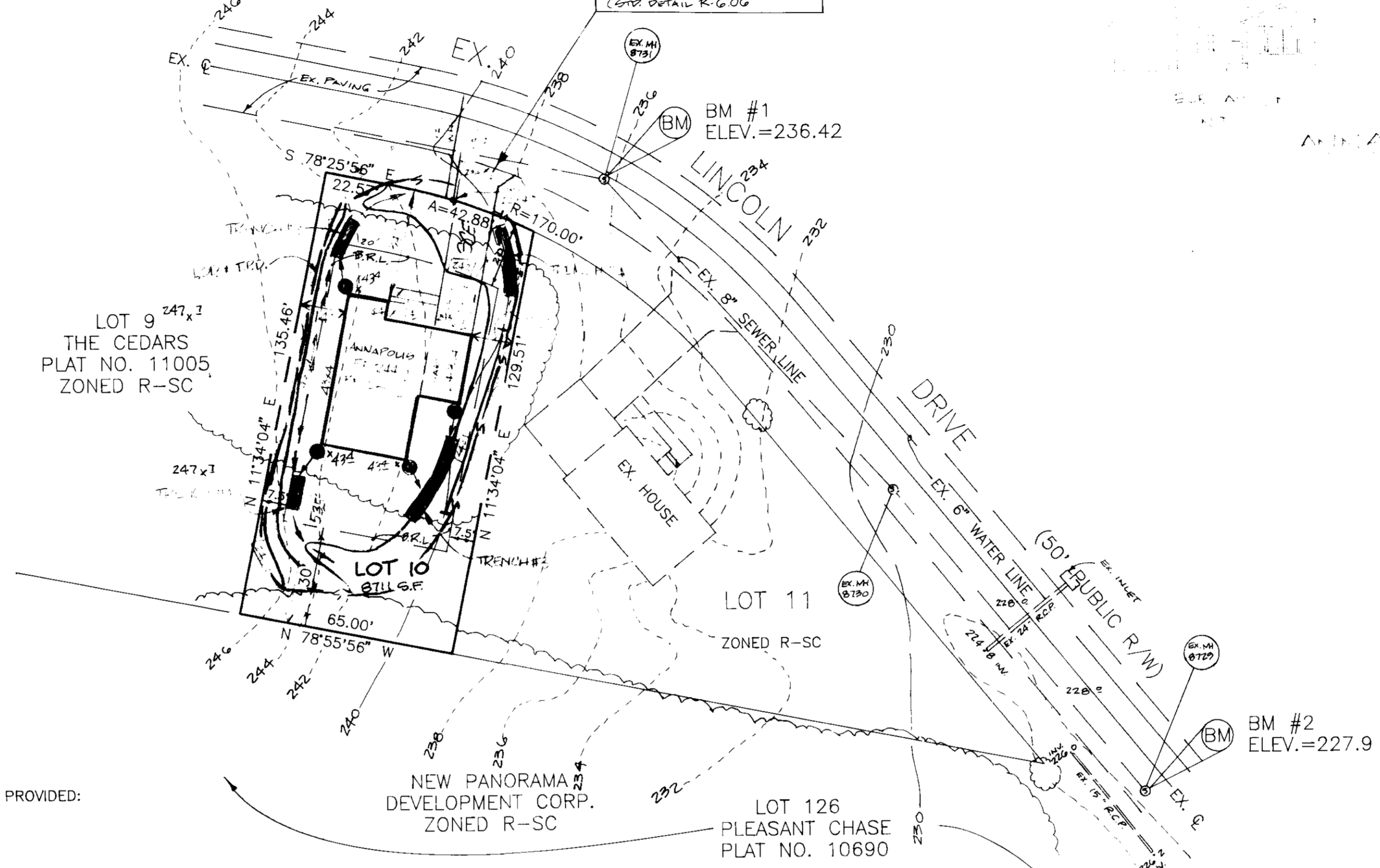
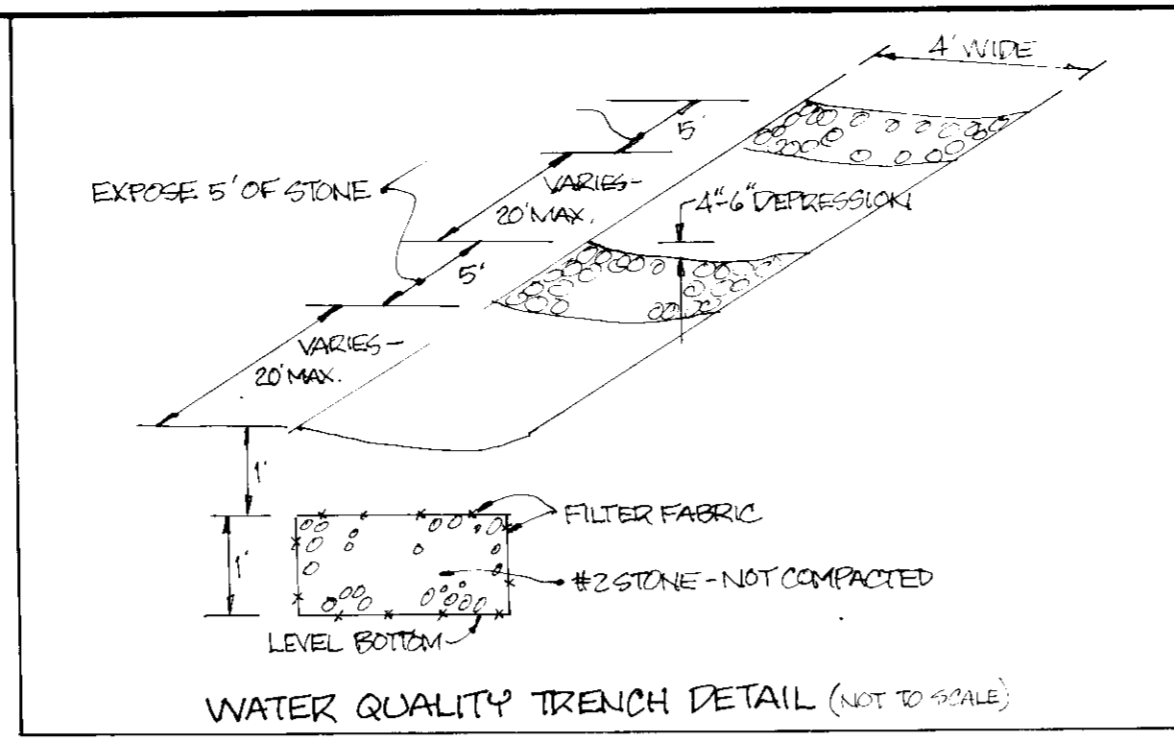
SCALE: 1"=30'  
 SHEET 1 OF 1  
 OF 1  
 SDP-94-133

**MINIMUM LOT SIZE TABULATION**

LOT#	GROSS AREA	AREA OF FLOOD PLAINS / STEEP SLOPES	AREA OF PIPE STEM	CREDIT FOR 10% CREATED STEEP SLOPES	MIN LOT AREA
10	8711 SF	0	0	0	8711 SF

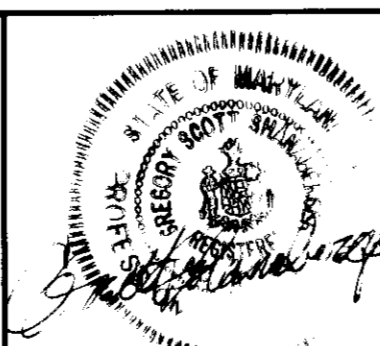
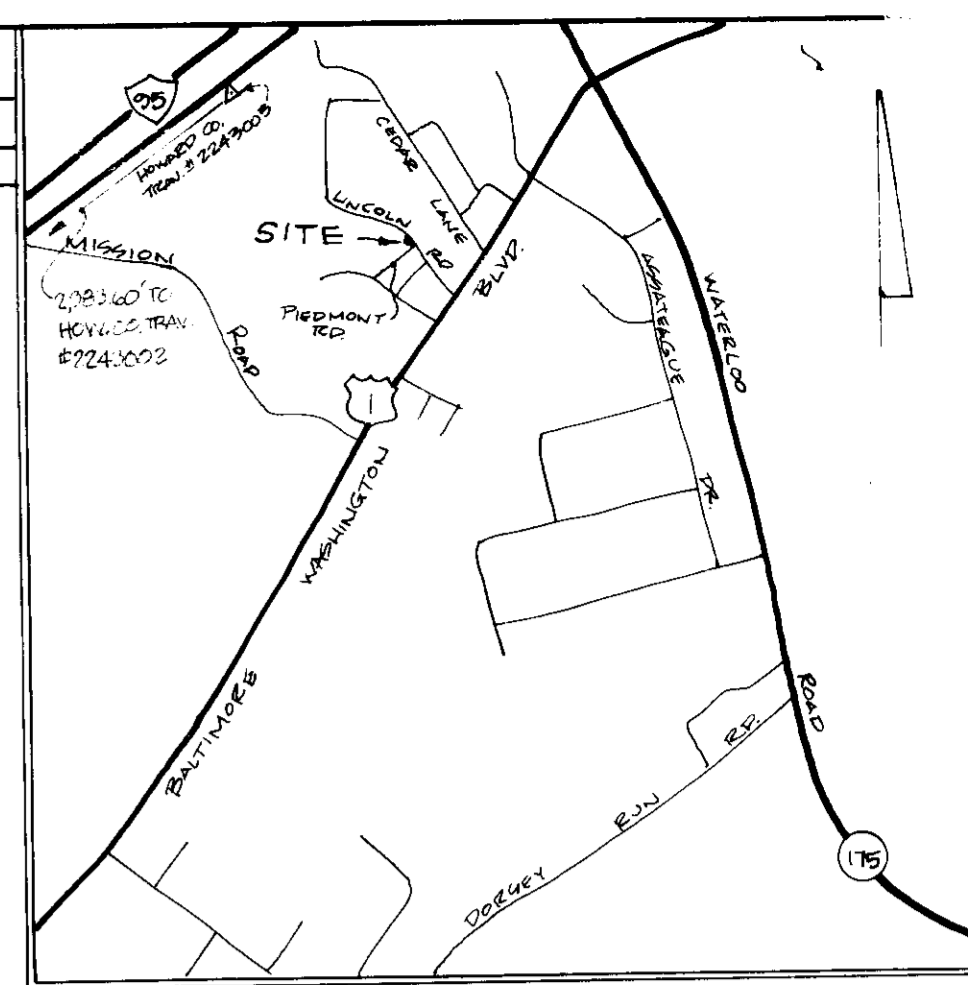
**WATER QUALITY TRENCH DIMENSIONS**

TRENCH NO.	WIDTH	LENGTH	GROUND EL.	TOP OF STONE EL.	BOTTOM OF STONE EL.	NO. OF 5/4" OPENINGS	LOCATION OF OPENINGS
1	4'	10'	243.4	241.4	240.4	1	NORTH END
2	4'	10'	242.4	241.4	240.4	1	SOUTH END
3	4'	20'	241.0	241.0	240.0	2	NORTH AND SOUTH END
4	4'	22'	240.0	240.0	238.0	1	NORTH END



**GENERAL NOTES:**

- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS CONSTRUCTION INSPECTION DIVISION AT 410-313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
- PROJECT BACKGROUND:  
 LOCATION: LINCOLN DRIVE, NORTH OF PIEDMONT DRIVE  
 TAX MAP 43 PARCEL 516 LOT NO.10  
 SUBMISSION AREA: 8711 S.F.  
 DATE OF FINAL PLAN APPROVAL: 8/11/94, F-94-23.
- 2' FOOT CONTOURS SHOWN HEREON ARE FROM A FIELD-RUN TOPOGRAPHIC SURVEY BY IPOS, LTD. IN JAN. 1998.
- PAYMENT OF A FEE-IN-LIEU OF PROVIDING STORMWATER MANAGEMENT FOR LOT 10 WAS APPROVED BY THE DIRECTOR OF THE DEPARTMENT OF PUBLIC WORKS ON MAY 27, 1994.
- ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
- EXISTING UTILITIES WERE FIELD LOCATED BY IPOS, LTD., AND LOCATED THROUGH APPROVED WATER AND SEWER AS-BUILTS.
- SILT FENCING TO DOUBLE AS TREE PROTECTIVE DEVICE.
- WATER CONTRACT NO. 76-W- SEWER CONTRACT NO. 671-S
- LOT 11 HAS ALREADY BEEN DEVELOPED.
- THERE ARE NO WETLANDS ON THE PROPERTY, PER F-91-37 AND F-94-23.
- PREVIOUS FILE NOS. F-94-23, F-91-37
- SEDIMENT CONTROL FOR THIS DEVELOPMENT SHALL BE CARRIED OUT ACCORDING TO THE PLANS APPROVED BY HOWARD COUNTY SCD.
- DESIGNATES DOWNSPOOT LOCATION.
- DESIGNATES INFILTRATION TRENCH.
- s-s- DESIGNATES SILT FENCE.



DESIGNED: GGS  
 DRAWN: EGF  
 CHECKED: GGS, ENG  
 DATE: 10/28/94

BY	No.	REVISION	DATE