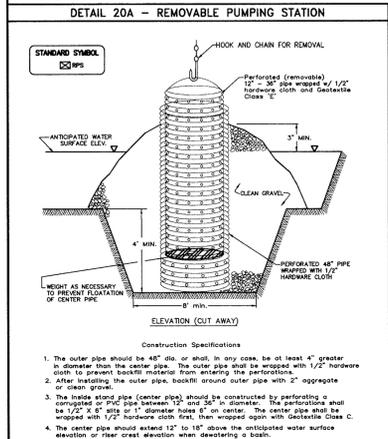
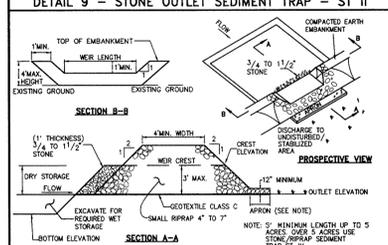


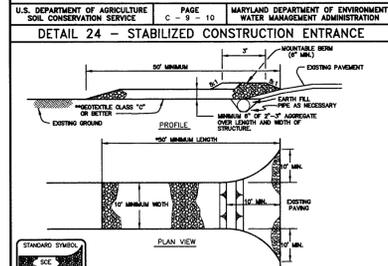
MAP SYMBOL	SOIL TYPE	MAPPING UNIT
M2	C	LUA LOAM, LOCAL ALLUVIUM, 1 TO 5 PERCENT SLOPES
SdC	C	SANDY AND CLAYEY LOAM - MODERATELY STEEP
SdD	B	SUNNYSIDE FINE SANDY LOAM - 5 TO 15 PERCENT SLOPES - MODERATELY ERODED



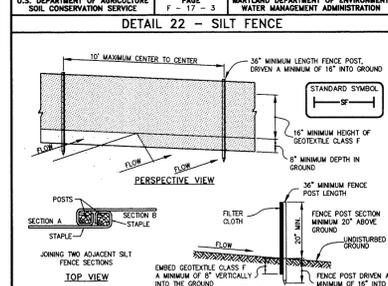
U.S. DEPARTMENT OF AGRICULTURE PAGE 1 MARYLAND DEPARTMENT OF ENVIRONMENT
SOIL CONSERVATION SERVICE WATER MANAGEMENT ADMINISTRATION



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SEDIMENT CONTROL NOTES

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING, LICENSEES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION. (13-1804)
- 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 SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL. REVISIONS THEORETIC.
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DRENCHES, PERIMETER 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.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (SEC. 91) SOD (SEC. 94), TEMPORARY SEEDINGS (SEC. 92) AND MULCHING (SEC. 93). 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 OR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:

TOTAL AREA OF SITE	1.04	ACRES
AREA DISTURBED	1.01	ACRES
AREA TO BE ROOFED OR PAVED	0.07	ACRES
AREA TO BE VEGETATIVELY STABILIZED	0.94	ACRES
TOTAL CUT	3348	CY
TOTAL FILL	199	CY

OFFSITE WASTE AREA LOCATION: SITE WITH AN APPROVED SEDIMENT CONTROL PLAN.
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 SEDIMENT CONTROL INSPECTOR.

ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER 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.

QUANTITIES AND ESTIMATES SHOWN ARE FOR SEDIMENT CONTROL PURPOSES ONLY. CONTRACTOR SHALL PREPARE HIS/HER OWN QUANTITY ESTIMATES TO HIS/HER SATISFACTION.

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

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

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

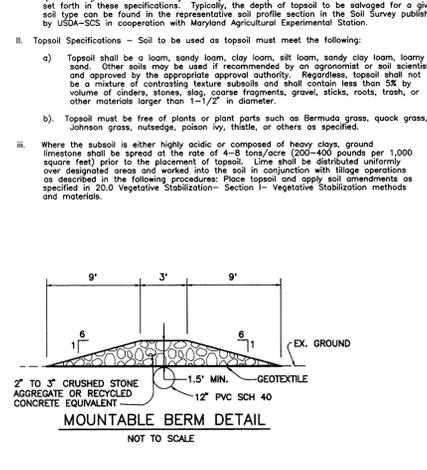
SEEDING: FOR PERIOD MARCH 1 THROUGH APRIL 30 AND FROM AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 2-1/2 BUSHELS PER ACRE OF ANNUAL RYE (3.2 LBS/1000 SQ FT). FOR PERIOD MAY 1 THROUGH AUGUST 14, SEED WITH 3 LBS PER ACRE OF WEEPING LOVEGRASS (07 LBS/1000 SQ FT) FOR PERIOD FROM FEBRUARY 28 THROUGH FEBRUARY 28, PROTECT SOIL BY APPLYING TONS PER ACRE OF WELL-ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOD.

MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ FT) OF UNROTTED STRAW MULCH IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (8 GAL/1000 SQ FT) OF EMULSIFIED ASPHALT ON FLAT AREAS ON SLOPES 3 FT. OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ FT) FOR ANCHORING.

REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

TOPSOIL SPECIFICATIONS

- Topsoil salvaged from the existing site may be used provided that it meets the standards as set forth in these specifications. Typically, the depth of topsoil to be salvaged for a given soil type can be found in the representative soil profile section in the Soil Survey published by USDA-SSC in cooperation with Maryland Agricultural Experimental Station.
- Topsoil Specifications - Soil to be used as topsoil must meet the following:
 - Topsoil shall be a loam, sandy loam, clay loam, silt loam, sandy clay loam, loamy sand. Other soils may be used if recommended by an agronomist or soil scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a mixture of contrasting texture subsoils and shall contain less than 5% by volume of sandier fragments, silt, coarse fragments, gravel, sticks, roots, trash, or other materials larger than 1-1/2" in diameter.
 - Topsoil must be free of plants or plant parts such as Bermuda grass, quack grass, Johnson grass, nutsedge, poison ivy, thistle, or others as specified.
- Where the subsoil is either highly acidic or composed of heavy clays, ground limestone shall be spread at the rate of 4-8 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil. Lime shall be distributed uniformly over designated areas and worked into the soil in conjunction with tillage operations as described in the following procedures: Place topsoil and apply soil amendments as specified in 20.0 Vegetative Stabilization-Section 1- Vegetative Stabilization methods and materials.



SILT FENCE

SILT FENCE DESIGN CRITERIA

Slope Steadiness	(Maximum) Slope Length	(Maximum) Sil Fence Length
Flatter than 50:1	unlimited	unlimited
50:1 to 10:1	125 feet	1,000 feet
10:1 to 5:1	100 feet	750 feet
5:1 to 3:1	60 feet	500 feet
3:1 to 2:1	40 feet	250 feet
2:1 and steeper	20 feet	125 feet

Note: In areas of less than 2% slope and sandy soils (USDA general classification system, soil Class A) maximum slope length and sil fence length will be unlimited. In these areas a sil fence may be the only perimeter control required.

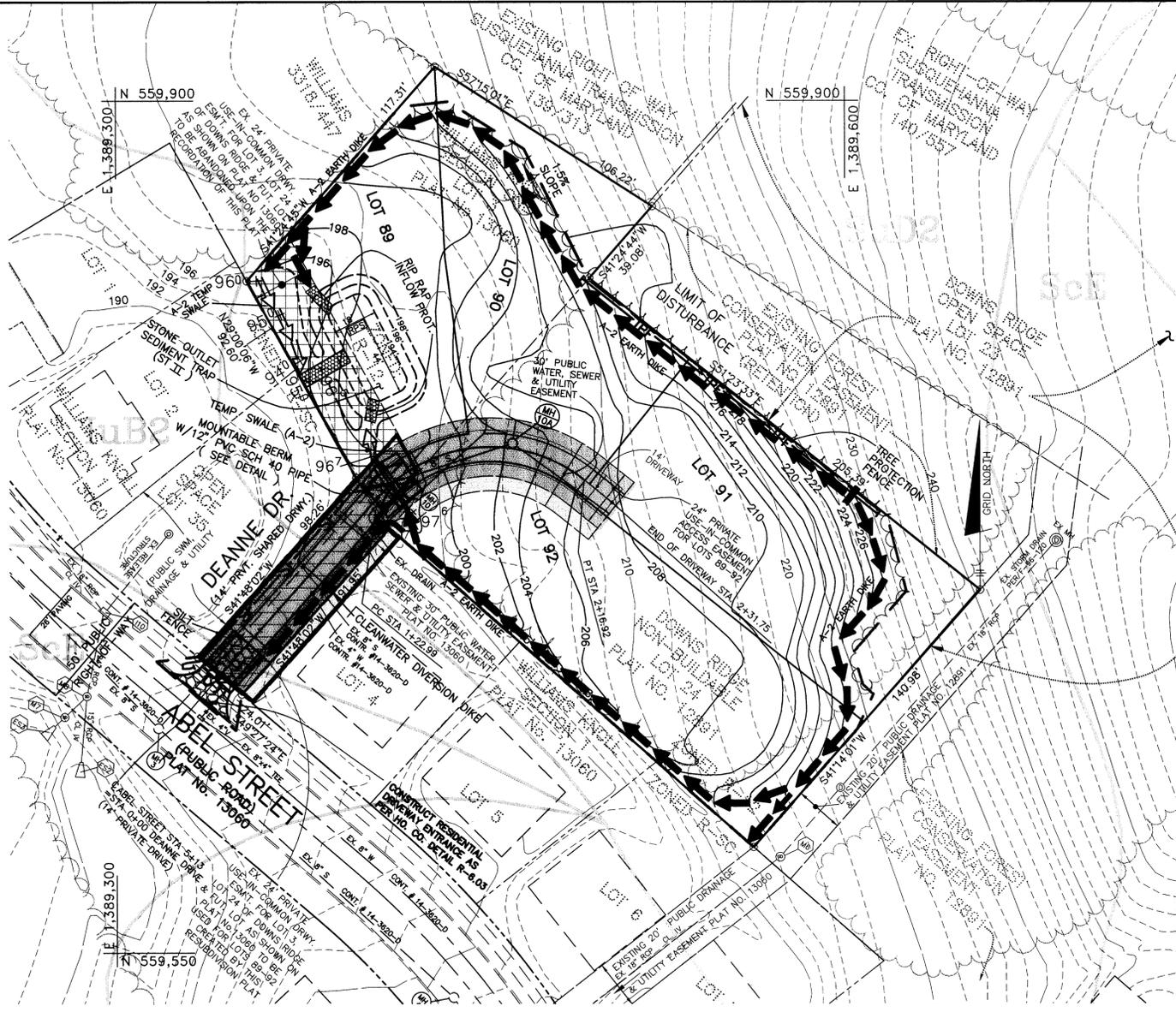
ANCHOR POSTS SHOULD BE MIN. 2" STEEL "U" CHANNEL OR 2"x2" TIMBER, 6" W LENGTH. HIGHLY VISIBLE FLAGGING. USE 2"x4" LUMBER FOR CROSS BRACING.

ANCHOR POSTS MUST BE INSTALLED TO A DEPTH OF NO LESS THAN 1/3 OF THE TOTAL HEIGHT OF THE POST.

BLAZE ORANGE PLASTIC MESH

NOTES:
1. FOREST PROTECTION DEVICE ONLY.
2. RETENTION AREA WILL BE SET AS PART OF THE REVIEW PROCESS.
3. BOUNDARIES OF RETENTION AREA SHOULD BE STAKED AND FLAGGED PRIOR TO INSTALLING DEVICES.
4. ANCHOR POSTS SHOULD BE PROPERLY MAINTAINED DURING CONSTRUCTION.
5. DEVICES SHOULD BE PROPERLY MAINTAINED DURING CONSTRUCTION.
6. PROTECTIVE SIGNAGE IS ALSO REQUIRED.

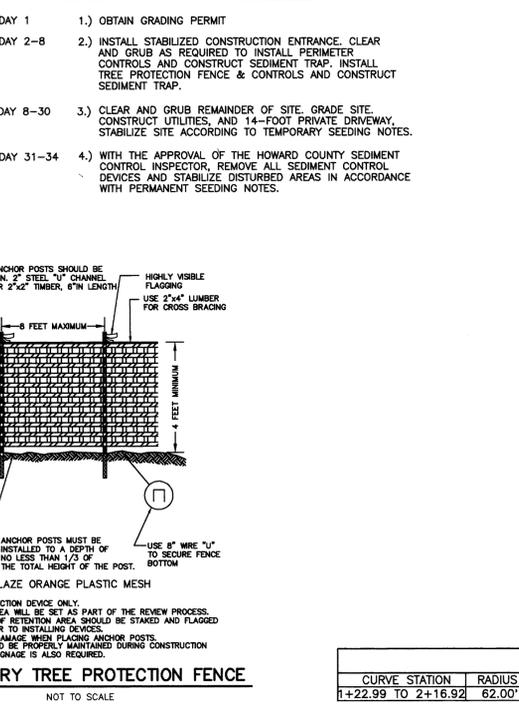
U.S. DEPARTMENT OF AGRICULTURE PAGE 1 MARYLAND DEPARTMENT OF ENVIRONMENT
SOIL CONSERVATION SERVICE WATER MANAGEMENT ADMINISTRATION



SEQUENCE OF CONSTRUCTION

SCALE: 1" = 30'

- DAY 1: OBTAIN GRADING PERMIT
- DAY 2-8: INSTALL STABILIZED CONSTRUCTION ENTRANCE, CLEAR AND GRUB AS REQUIRED TO INSTALL PERIMETER CONTROLS AND CONSTRUCT SEDIMENT TRAP. INSTALL TREE PROTECTION FENCE & CONTROLS AND CONSTRUCT SEDIMENT TRAP.
- DAY 8-30: CLEAR AND GRUB REMAINDER OF SITE, GRADE SITE, CONSTRUCT UTILITIES, AND 14-FOOT PRIVATE DRIVEWAY. STABILIZE SITE ACCORDING TO TEMPORARY SEEDING NOTES.
- DAY 31-34: WITH THE APPROVAL OF THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR, REMOVE ALL SEDIMENT CONTROL DEVICES AND STABILIZE DISTURBED AREAS IN ACCORDANCE WITH PERMANENT SEEDING NOTES.



U.S. DEPARTMENT OF AGRICULTURE PAGE 1 MARYLAND DEPARTMENT OF ENVIRONMENT
SOIL CONSERVATION SERVICE WATER MANAGEMENT ADMINISTRATION

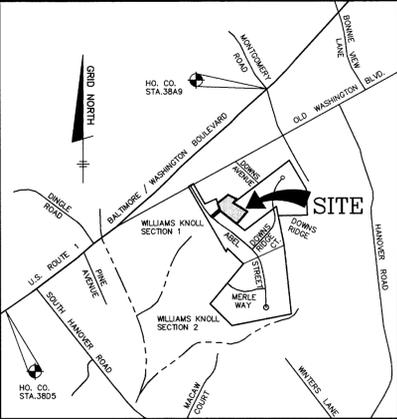
BENCHMARKS NAD'83

HO. CO. STA. 3805	EL. 193.75
558,378.5683	E 1,386,524.3031
HO. CO. STA. 3849	EL. 233.46
561,056.3802	E 1,389,634.1843

* SEE VICINITY MAP FOR LOCATIONS

STONE OUTLET (ST-II) SEDIMENT TRAP DATA

DRAINAGE AREA	0.82
STORAGE REQUIRED	2052'
BOTTOM DIMENSIONS	18'x44'
DEPTH (BELOW WEIR CREST)	2.5'
SIDE SLOPES	2:1
STORAGE PROVIDED (FROM CREST)	2292 C.F.
BOTTOM ELEVATION	194.0
EMBANKMENT ELEVATION	198.0
CREST ELEVATION	196.5
OUTLET ELEVATION	195.0
DEPTH BELOW OUTLET	1.0'
CLEANOUT ELEVATION	195.3
WEIR LENGTH	3.5'



SCALE: 1" = 1000'

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS & SPECIFICATIONS OF THE HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS CONSTRUCTION INSPECTION DIVISION (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: TAX MAP 39 - PARCEL 197,229,230 ZONING: R-50 & R-12 TOTAL TRACT AREA: 1.04 AC. NUMBER OF PROPOSED LOTS: 4 SFD GPZ REFERENCE NOS: WP-95-39, S-95-08, P-96-17, WP-96-69, F-97-110, AA-96-10, F-97-154, SDP-98-146, S-94-21, F-95-21, F-95-29, F-96-120, SP-99-07
- TRAFFIC CONTROL DEVICES, MARKING AND SIGNING SHALL BE IN ACCORDANCE WITH THE MOST CURRENT 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.
- COORDINATES, HORIZONTAL AND VERTICAL DATUMS FOR THIS PROJECT ARE BASED ON NAD 83: HOWARD COUNTY GEODETIC CONTROL STATIONS OF NO. 3805 & 3849.
- TOPOGRAPHY IS TAKEN FROM F-97-110 PREPARED BY MILDENBERG, BOENDER & ASSOC., INC. AND SDP-98-146 PREPARED BY BENCHMARK ENGINEERING, INC. CONTROL INTERVAL IS 2 FEET.
- PUBLIC WATER AND SEWER FOR THIS SUBDIVISION IS PROVIDED UNDER A REVISION TO CONTR. NO.14-3620-D. DRAINAGE AREA IS THE PATAPSCO WATERSHED.
- STORMWATER QUALITY CONTROL FOR THIS PROJECT HAS BEEN PROVIDED UNDER F-97-110 OPEN SPACE LOT 35 B/D-RETENTION AREA. QUALITY CONTROL FOR PROP. LOTS ON DOWNS RIDGE OPEN SPACE LOT 24 IS TO BE PROVIDED BY DRY WELLS LOCATED ON SPECIFIC LOTS.
- NO FLOODPLAIN EXIST ON THIS SITE.
- FOREST CONSERVATION IS NOT REQUIRED FOR THIS PROJECT AS IT WAS PROVIDED FOR WILLIAMS KNOLL LOT 3 UNDER F-97-110/97-154 AND FOR DOWNS RIDGE LOT 24 UNDER F-96-120.
- TRAFFIC STUDY PREPARED BY LEE CUNNINGHAM & ASSOC. DATED NOVEMBER, 1999.
- EXISTING UTILITIES SHOWN WERE TAKEN FROM ROAD CONSTRUCTION PLANS F-97-110 AND WATER & SEWER CONTR. NO.14-3620-D.
- THE EXISTING WATER AND SEWER LINES REFLECT INFORMATION OBTAINED FROM AS BUILT DRAWINGS IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY THE LOCATIONS AND ELEVATIONS OF THE EXISTING LINES.
- NO WETLANDS EXIST ON SITE.
- NOISE STUDY IS NOT REQUIRED FOR THIS PROJECT.
- ACCESS TO LOTS TO BE PROVIDED BY 14' PRIVATELY OWNED SHARED DRIVEWAY (DEANNE DRIVE).
- FOR USE-IN-COMMON DRIVEWAY APRON DETAILS REFER TO HO. CO. STD. R-6.03
- THE USE-IN-COMMON MAINTENANCE AGREEMENT FOR LOTS 89-92 SHALL BE RECORDED AT TIME OF PLAN SUBMISSION. ACCESS TO LOTS 89-92 PROVIDED BY DEANNE DRIVE (SHARED PRIVATE DRIVEWAY NAME) LOCATED WITHIN EX. 24' PRIVATE USE-IN-COMMON DRIVEWAY EASEMENT

LEGEND

SOILS CLASSIFICATION	999
EXISTING CONTOURS	999
PROPOSED CONTOURS	999
EXISTING WOODS LINE	999
PROPOSED WOODS LINE	999
PROPOSED EARTH DIKE	A-1
LIMIT OF DISTURBANCE	999
PROPOSED SILT FENCE	SF
PROP. TEMP. SWALE	A-1
STABILIZED CONSTRUCTION ENTRANCE	999

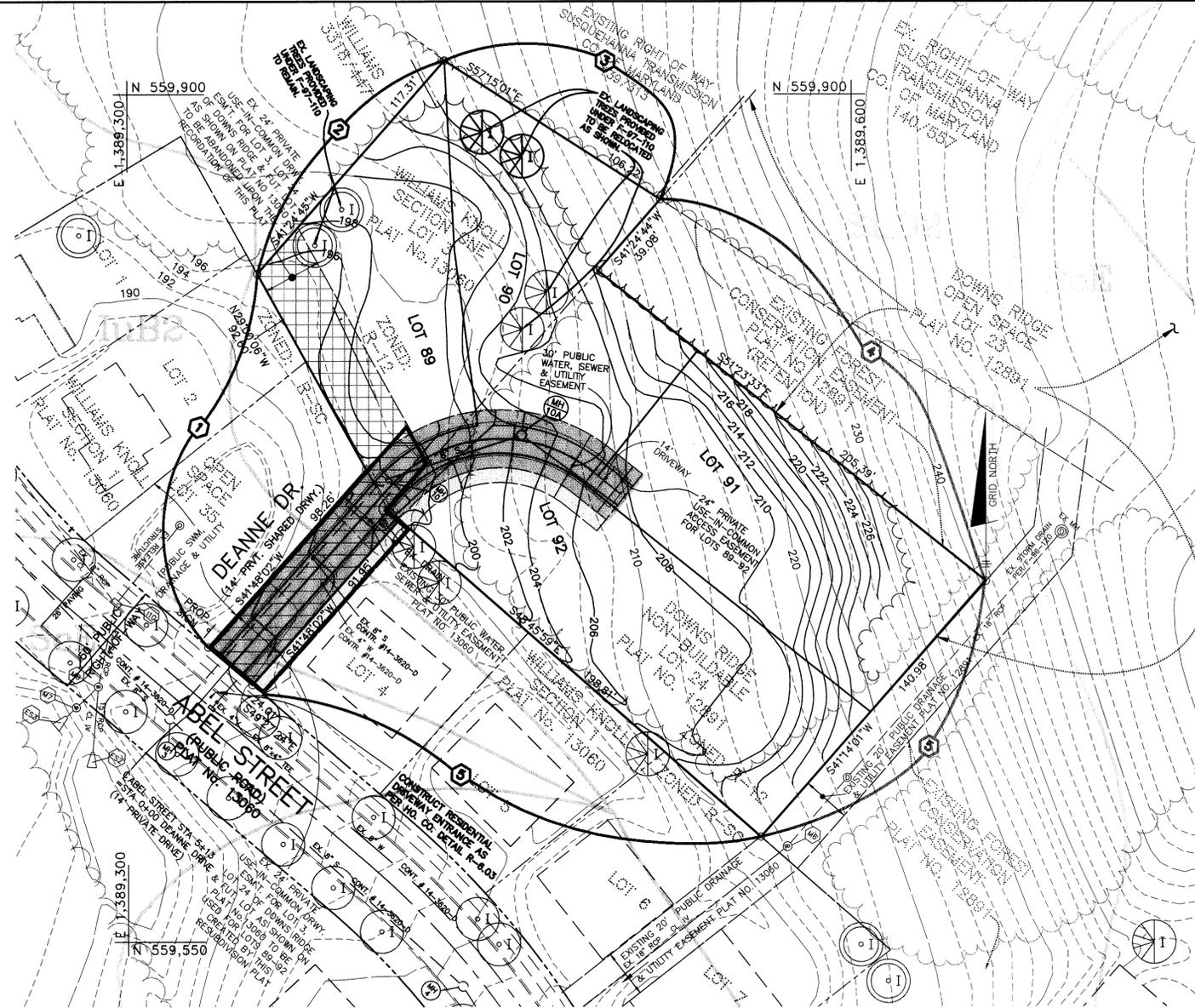
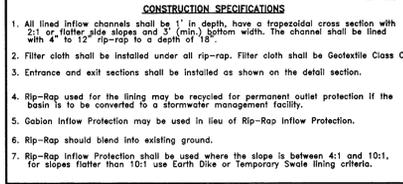
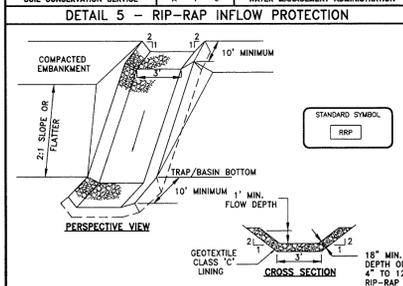
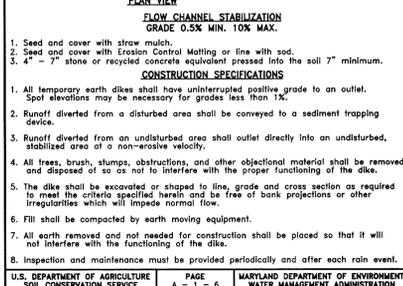
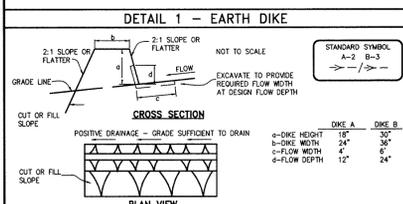
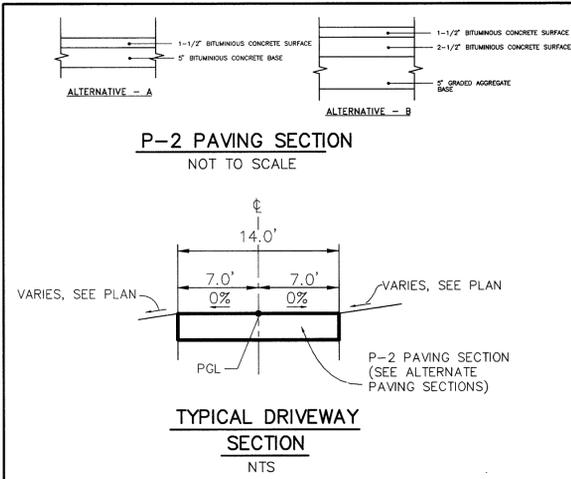
NO.	DATE	REVISION

BENCHMARK ENGINEERING INC.

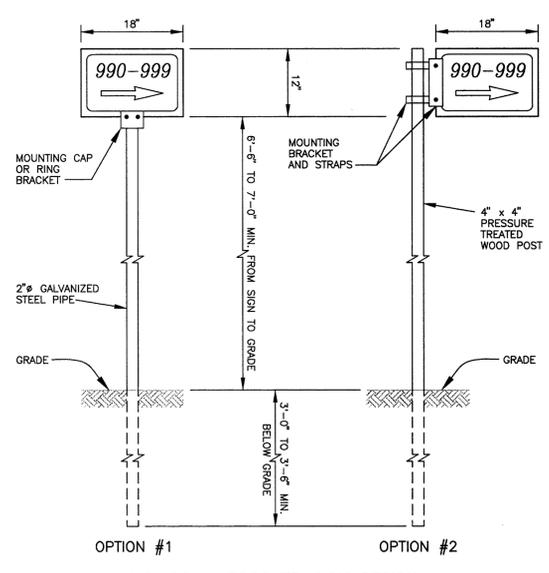
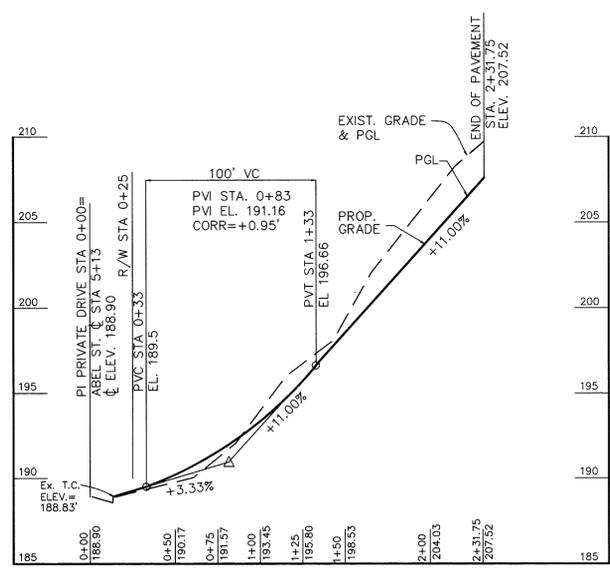
ENGINEERS • LAND SURVEYORS • PLANNERS

8480 BALTIMORE NATIONAL PIKE • SUITE 418 • ELLICOTT CITY, MARYLAND 21043
PHONE: 410-465-6105 FAX: 410-465-6644

OWNER/DEVELOPERS:	PROJECT:
JNSD L.C., INC. P.O. BOX 417 ELLICOTT CITY, MD 21041 PHONE: 410-465-4244	WILLIAMS KNOLL SECTION III, LOTS 89-92 A RESUBDIVISION OF LOT 3 WILLIAMS KNOLL SECTION ONE AND DOWNS RIDGE NON-BUILDABLE LOT 24
LOCATION:	TITLE: GRADING, SEDIMENT & EROSION CONTROL PLAN & DETAILS
DATE: JUNE, 1999	PROJECT NO. 1128
DATE: OCTOBER, 1999	DATE: AS SHOWN
DES: GWF	DRN: MCR
SCALE: AS SHOWN	DRAWING 1 OF 2



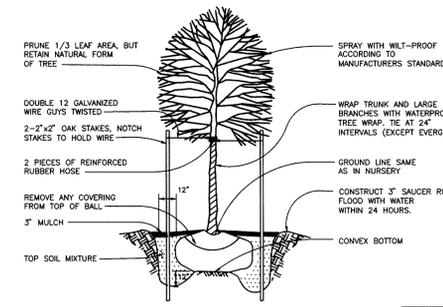
NOTE: THIS PLAN TO BE USED FOR LANDSCAPE PURPOSES ONLY. REFER TO SHEET 1 OF 2 FOR GRADING.



CATEGORY	PERIMETER LANDSCAPE EDGE					
	NO	NO	NO	NO	NO	NO
ADJACENT TO PERIMETER PROPERTIES	YES	YES	YES	YES	YES	YES
PERIMETER NO. / LANDSCAPE TYPE	1 A	2 A	3 A	4 A	5 A	6 A
LINEAR FEET OF ROADWAY (FRONTAGE/PERIMETER)	191	117	106	244	141	291
CREDIT FOR EXISTING VEGETATION: (NO OR YES W/LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO	NO	NO	YES ①	NO	NO
CREDIT FOR WALL, FENCE OR BERM: (NO OR YES W/LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO	NO	NO	NO	NO	NO
NUMBER OF PLANTS REQUIRED: SHADE TREES (2:1 SUBSTITUTION)	N/A	117 LF.	106 LF.	N/A	N/A	N/A
NUMBER OF PLANTS REQUIRED: EVERGREEN TREES (2:1 SUBSTITUTION)	-	-	-	-	-	-
NUMBER OF PLANTS REQUIRED: SHRUBS (10:1 SUBSTITUTION) (DESCRIBE PLANT SUBSTITUTION CREDITS BELOW IF NEEDED)	-	2 ②	2 ②	-	-	-

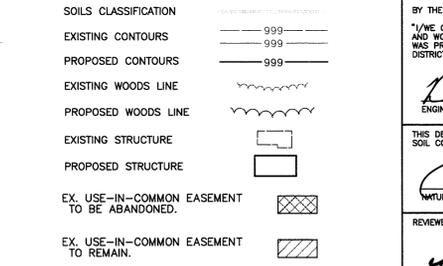
① - NO PERIMETER LANDSCAPING REQUIRED BETWEEN PARCELS OF SAME SUBDIVISION.
② - PERIMETER LANDSCAPING PROVIDED UNDER F-97-110 TO BE UTILIZED UNDER THIS PLAN.
③ - PERIMETER ADJUTS FOREST CONSERVATION FOREST RESTORATION AREA THAT IS ON AN ADJACENT OPEN SPACE LOT THAT IS PART OF THE SAME SUBDIVISION.

LANDSCAPING NOTES:
1.) PERIMETER LANDSCAPING SHALL BE PROVIDED BY THE EXISTING VEGETATION TO REMAIN AND BY THE PLANTINGS AS SHOWN ON THESE PLANS.
2.) THE DEVELOPER SHALL BE RESPONSIBLE FOR THE PRESERVATION OF THE PERIMETER VEGETATION AS SHOWN ON THESE PLANS AND FOR THE PERIMETER PLANTING ON PERIMETERS.
NOTE: THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPE TREES WAS PREVIOUSLY POSTED AS PART OF THE WILLIAMS KNOLL F-97-110 DEVELOPER'S AGREEMENT.



SYMBOL	QUANTITY	NAME	REMARKS
①	N/A	ACER REBURM (RED MAPLE) STREET TREE	INSTALLED BY DEVELOPER UNDER F-97-110
②	2	QUERCUS RUBRA (RED OAK)	PROVIDED BY DEVELOPER UNDER F-97-110 TO REMAIN
③	2	ACER REBURM (RED MAPLE) LANDSCAPE TREE	PROVIDED BY DEVELOPER UNDER F-97-110 TO BE RELOCATED AS SHOWN

PRUNE 1/3 LEAF AREA, BUT RETAIN NATURAL FORM OF TREE.
DOUBLE 12 GALVANIZED WIRE GUYS TWISTED 2-2" OAK STAKES, NOTCH STAKES TO HOLD WIRE.
2 PIECES OF REINFORCED RUBBER HOSE.
REMOVE ANY COVERING FROM TOP OF BALL.
3" MULCH.
TOP SOIL MIXTURE.
SPRAY WITH WILT-PROOF ACCORDING TO MANUFACTURERS STANDARDS.
WRAP TRUNK AND LARGE BRANCHES WITH WATERPROOF TREE WRAP. TIE AT 24" INTERVALS (EXCEPT EVERGREENS).
GROUND LINE SAME AS IN NURSERY.
CONSTRUCT 3" SAUCER RIM FLOOD WITH WATER WITHIN 24 HOURS.
CONVEX BOTTOM.



BY THE DEVELOPER:
"I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN AND THAT ANY 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 REQUIRED LANDSCAPE TREE PLANTING."
JNSD L.C. INC. MEMBER
By: *John K. Reintzer* 10/18/99
DEVELOPER - DATE

BY THE ENGINEER:
"I/WE CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL, REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."
Donald Maan 10/18/99
ENGINEER - DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
Cheryl Simmons 10/29/99
NATURAL RESOURCES CONSERVATION SERVICE - DATE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
John K. Reintzer 10/29/99
HOWARD SOIL CONSERVATION DISTRICT - DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Donald Maan 10/18/99
CHIEF, DEVELOPMENT ENGINEERING DIVISION - DATE

Wanda Hamilton 11/17/99
CHIEF, DIVISION OF LAND DEVELOPMENT - DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Andrew M. Schmale 11-18-99
CHIEF, BUREAU OF HIGHWAYS - DATE

NO	DATE	REVISION

BENCHMARK ENGINEERING INC.
ENGINEERS • LAND SURVEYORS • PLANNERS
8480 BALTIMORE NATIONAL PIKE • SUITE 418 • ELLICOTT CITY, MARYLAND 21043
PHONE: 410-465-6105 FAX: 410-465-6644

OWNER/DEVELOPERS:
JNSD L.C., INC.
P.O. BOX 417
ELLICOTT CITY, MD 21041
PHONE: 410-465-4244

PROJECT:
WILLIAMS KNOLL SECTION III, LOTS 89-92
A RESUBDIVISION OF LOT 3 WILLIAMS KNOLL SECTION ONE AND DOWNS RIDGE NON-BUILDABLE LOT 24

LOCATION:
BLOCK 8 TAX MAP 38
PARTS OF PARCELS 197 & 983
14TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE:
LANDSCAPE PLAN & DETAILS

DATE: JUNE, 1999
OCTOBER, 1999

PROJECT NO. 1128

SCALE: AS SHOWN

DRAWING 2 OF 2

DES: GWF DRN: MCR