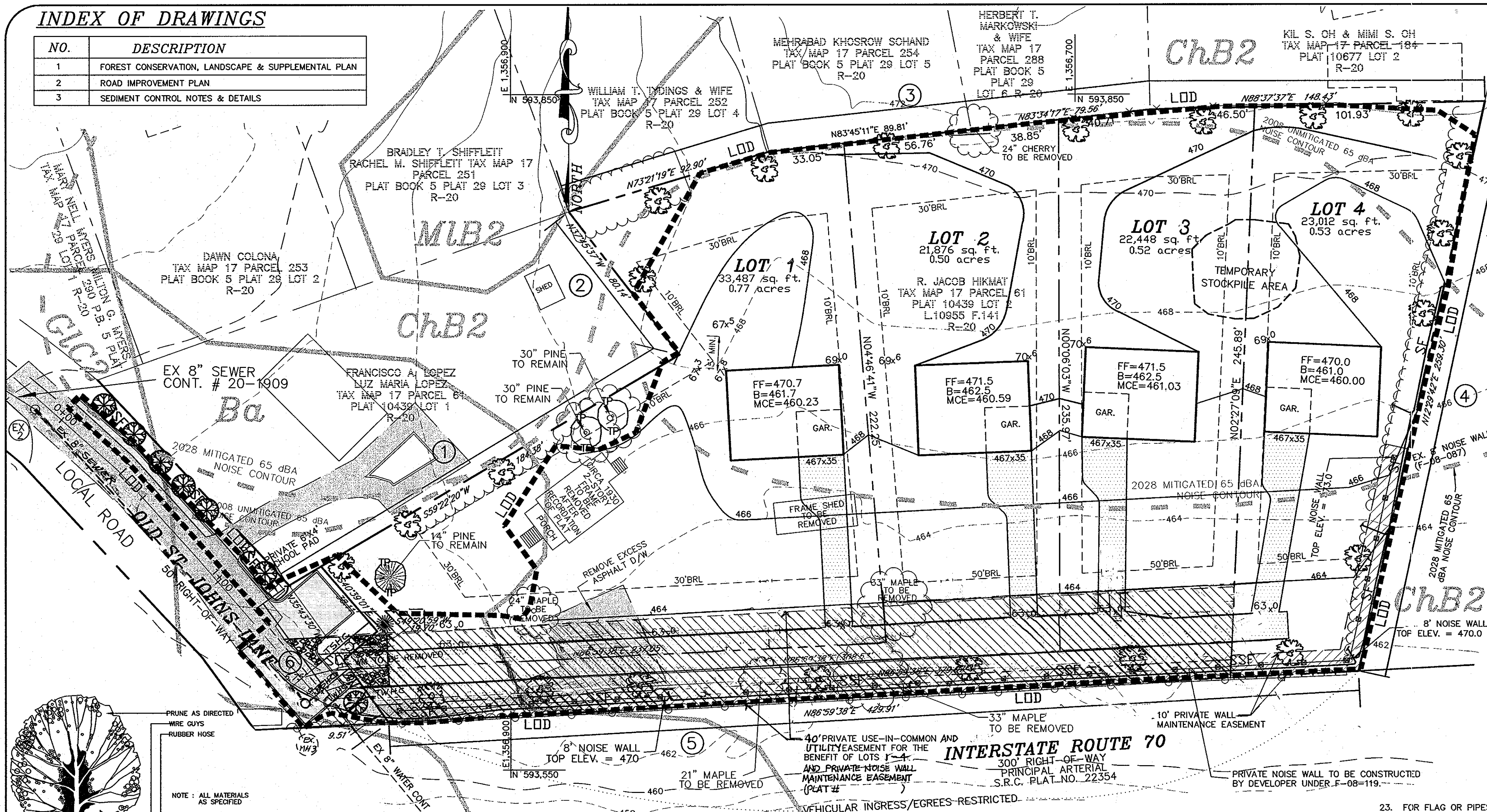


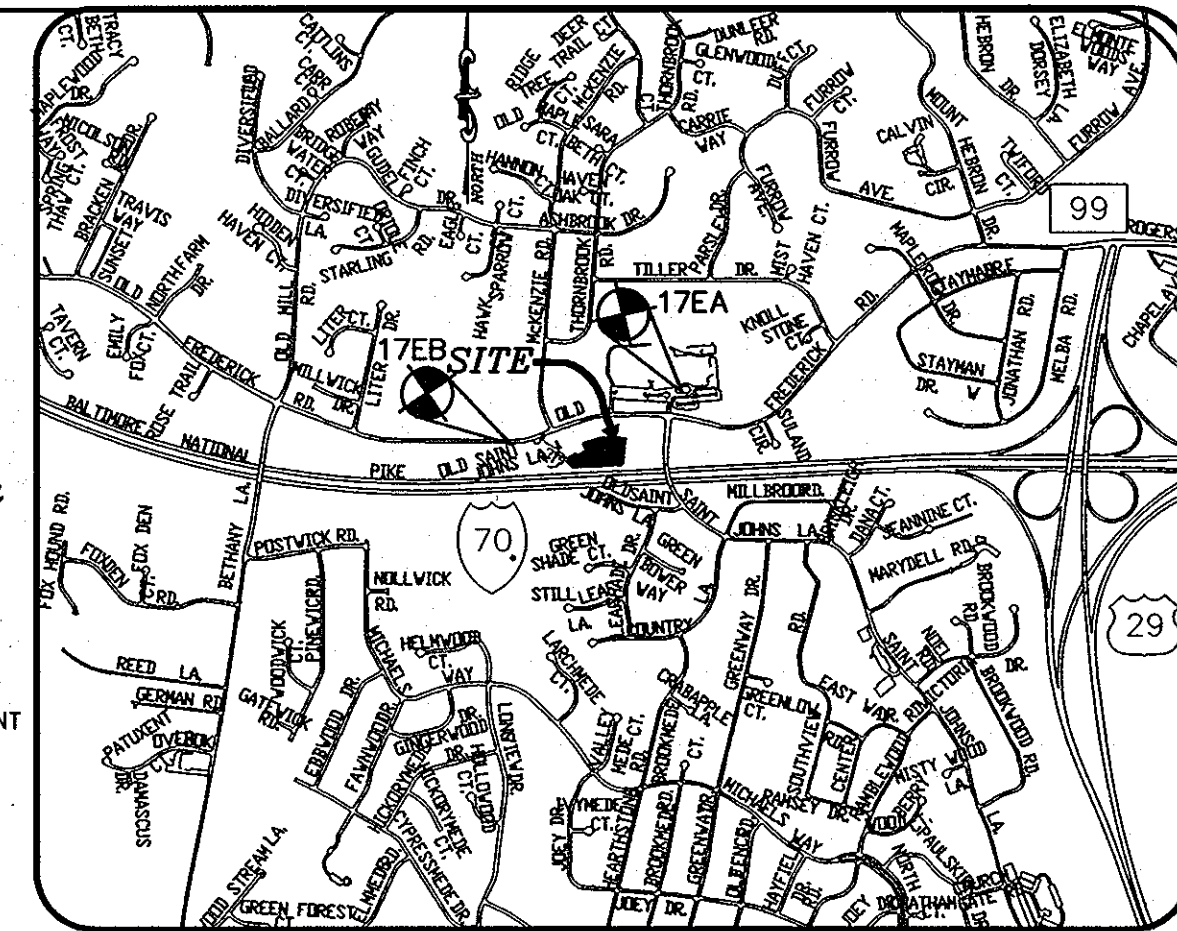
INDEX OF DRAWINGS

NO.	DESCRIPTION
1	FOREST CONSERVATION, LANDSCAPE & SUPPLEMENTAL PLAN
2	ROAD IMPROVEMENT PLAN
3	SEDIMENT CONTROL NOTES & DETAILS



LEGEND:

- ③ PERIMETER LANDSCAPING
- PROPOSED SHADE TREE
- PROPOSED EVERGREEN TREE
- EX. TREE/BRUSH LINE
- SHC INVERT AT PROPERTY LINE
- ④ DENOTES 40' IN-COMMON UTILITY EASEMENT AND PRIVATE NOISE WALL FOR LOTS 1-4
- ⑤ DENOTES 10' PRIVATE WALL MAINTENANCE EASEMENT
- ⑥ DENOTES PROPOSED DRIVEWAY PAVEMENT
- ⑦ DENOTES PROPOSED ROAD WIDENING
- ⑧ DENOTES EXISTING PAVEMENT
- ⑨ STABILIZED CONSTRUCTION ENTRANCE
- SF SILT FENCE
- TP TREE PROTECTION FENCE
- ⑩ LIMITS OF DISTURBANCE
- ⑪ STREET LIGHT

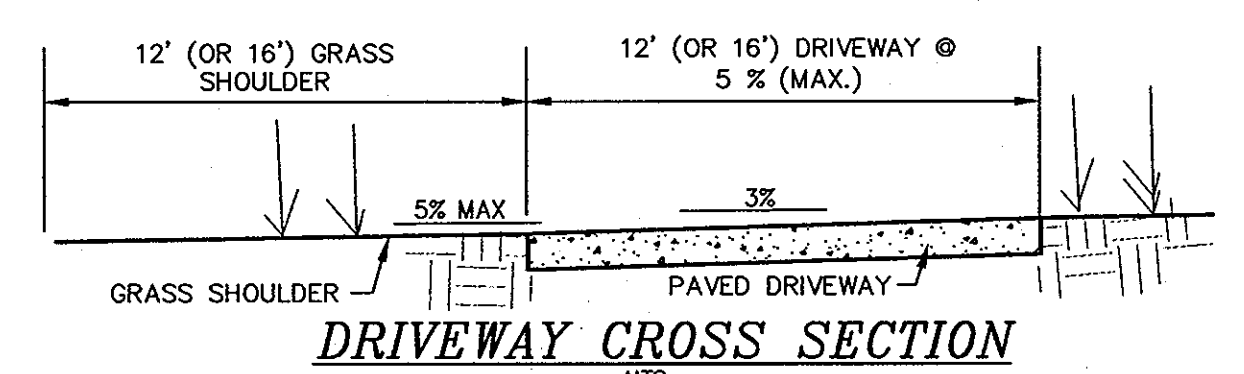
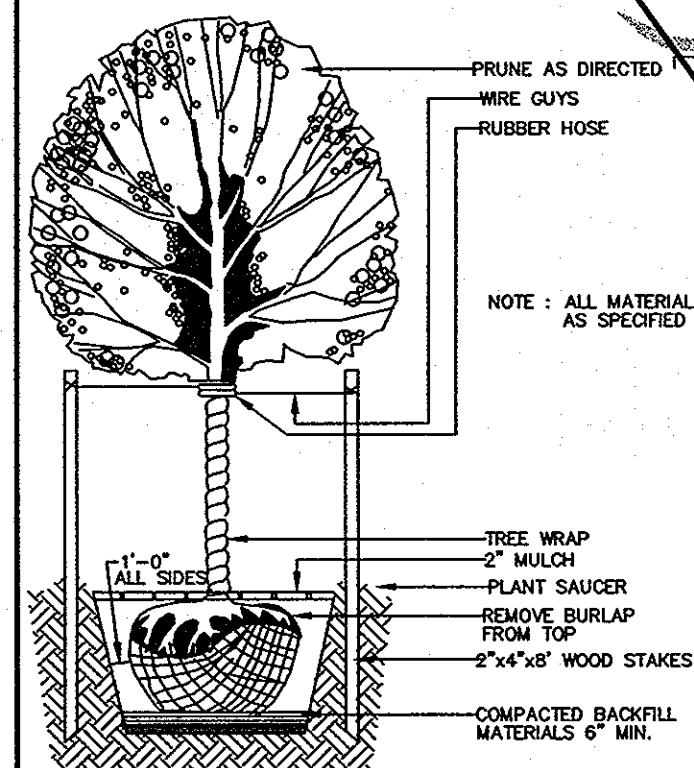


GENERAL NOTES:

- THE SUBJECT PROPERTY IS ZONED R-20 PER THE 02/02/04 COMPREHENSIVE ZONING PLAN AND THE COMP LITE ZONING AMENDMENTS DATED 07/28/06.
- BOUNDARY SURVEY SHOWN HEREON IS BASED ON DEED INFORMATION AND FIELD SURVEY PERFORMED BY MILDENBERG, BOENDER AND ASSOCIATES, INC. IN JUNE 2007.
- PROJECT BACKGROUND:
LOCATION: TAX MAP 17, PARCEL 61, GRID 15
ZONING: R-20
TOTAL AREA: 2.331 AC ±
LIMIT OF DISTURBED AREA: 2.252 AC ±
AREA OF PLAN SUBMISSION: 2.32 AC ±
MINIMUM LOT SIZE: 20,000 SQ.FT.
PROPOSED USE FOR SITE: RESIDENTIAL.
TOTAL NUMBER OF UNITS: 4
TYPE OF PROPOSED UNIT: SFD
DPZ FILES: F-08-119, F-92-032
DEED REFERENCE: 10955/141
- SOILS DATA BASED ON HOWARD COUNTY SOIL SURVEY DATED 1968.
- THIS SUBDIVISION IS IN THE METROPOLITAN DISTRICT.
- ALL AREAS ARE MORE OR LESS.
- COORDINATES BASED ON NAD '83 (HORIZONTAL) AND NGVD '88 (VERTICAL) MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 17EA & 17EB.
17EA - N 594,357.82 E 1,357,519.37 ELEV 478.780
17EB - N 593,813.873 E 1,355,731.85 ELEV 453.488
- NO BURIAL GROUNDS, HISTORIC STRUCTURES OR CEMETERIES EXIST ON SITE.
- NO HISTORIC DISTRICTS ARE ADJACENT TO THIS SITE. THE SITE IS NOT ADJACENT TO A DESIGNATED SCENIC ROAD.
- NO STEEP SLOPES OR STREAMS EXIST ON SITE.
- NO FOREST OR WETLANDS EXIST ON SITE.
- FOREST CONSERVATION OBLIGATIONS IN ACCORDANCE WITH SECTION 16.1200 OF THE HOWARD COUNTY CODE AND FOREST CONSERVATION ACT FOR THIS SUBDIVISION WILL BE FULFILLED BY PAYMENT OF A FEE-IN-LIEU OF AFFORESTATION OF 0.35 ACRES (15,246 SQ.FT.) IN THE AMOUNT OF \$11,434.50.
- THE OPEN SPACE REQUIREMENT WILL BE SATISFIED VIA PAYMENT OF A FEE-IN-LIEU IN THE AMOUNT OF \$4,500.00 FOR LOTS 4, 5 & 6.
- DRIVEWAYS SHALL BE PROVIDED PRIOR TO ISSUANCE OF A USE AND OCCUPANCY PERMIT FOR ANY NEW DWELLING TO ENSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
A) WIDTH - 12 FEET (16 FEET SERVING MORE THAN ONE RESIDENT).
B) SURFACE - 6 INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING (1.5" MINIMUM).
C) GEOMETRY - MAXIMUM 14% GRADE, MAXIMUM 10% GRADE CHANGE AND MINIMUM RADIUS OF 45 FEET TURNING RADIUS.
D) STRUCTURES (CULVERTS/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING).
E) DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100 YR. FLOOD WITH NO MORE THAN 1' OF DEPTH OVER DRIVEWAY SURFACE.
F) STRUCTURE CLEARANCES - MINIMUM 12 INCHES.
G) MAINTENANCE - SUFFICIENT TO ENSURE ALL WEATHER USE.
- THERE IS AN EXISTING HOUSE LOCATED ON LOT 3 WHICH WILL BE DEMOLISHED AFTER RECORDATION OF THIS PLAN. NO NEW BUILDINGS, EXTENSIONS OR ADDITIONS TO THE EXISTING DWELLINGS ARE TO BE CONSTRUCTED AT A DISTANCE LESS THAN THE ZONING REGULATIONS REQUIRE.
- LANDSCAPING FOR LOTS 3-6 IS PROVIDED IN ACCORDANCE WITH SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING OF 21 SHADE TREES & 1 EVERGREEN TREE IN THE AMOUNT OF \$6,450.00 IS DEFERRED UNTIL THE SITE DEVELOPMENT PLAN.
- STORMWATER MANAGEMENT IS PROVIDED VIA THE USE OF ROOFTOP AND NON ROOFTOP DISCONNECTION CREDITS.
- AT THE TIME OF INSTALLMENT, ALL SHRUBS AND OTHER PLANTINGS HEREWITH LISTED AND APPROVED FOR THIS SITE, SHALL BE OF THE PROPER HEIGHT IN ACCORDANCE WITH THE HOWARD COUNTY LANDSCAPE MANUAL. IN ADDITION, NO SUBSTITUTIONS OR RELOCATION OF REQUIRED PLANTINGS MAY BE MADE WITHOUT PRIOR REVIEW AND APPROVAL FROM THE DEPARTMENT OF PLANNING AND ZONING. ANY DEVIATION FROM THIS APPROVED LANDSCAPE PLAN WILL RESULT IN DENIAL OR DELAY IN THE RELEASE OF LANDSCAPE SURETY UNTIL SUCH TIME AS ALL REQUIRED MATERIALS ARE PLANTED AND/OR REVISIONS ARE MADE TO APPLICABLE PLANS AND CERTIFICATES.
- THE PROPOSED NOISE WALL IS THE RESPONSIBILITY OF THE DEVELOPER. NOISE WALL SHOWN IN HOWARD COUNTY PRIVATE NOISE WALL DETAIL R-9.05 OR EQUIVALENT SHALL BE USED.
- PUBLIC WATER AND SEWER ALLOCATION FOR THIS DEVELOPMENT IS SUBJECT TO SECTION 18.122B OF THE HOWARD COUNTY CODE. ALLOCATION WILL BE GRANTED AT THE TIME OF ISSUANCE OF THE BUILDING PERMIT, IF CAPACITY IS AVAILABLE AT THAT TIME.
- THIS PLAN IS SUBJECT TO THE AMENDED FIFTH EDITION OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND THE ZONING REGULATIONS AS AMENDED BY HOWARD COUNTY. CONSTRUCTION ON ADJACENT LOTS OR CONSTRUCTION OF SETBACKS AND BUFFER REGULATIONS IN EFFECT AT THE TIME OF SUBMISSION OF THE SITE DEVELOPMENT PLAN, WAIVER PETITION APPLICATION OR BUILDING/GRADING PERMIT.
- NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, OR PLACEMENT OF NEW STRUCTURES IS PERMITTED WITHIN THE LIMITS OF WETLANDS, STREAM(S) OR THEIR BUFFERS AND FOREST CONSERVATION EASEMENT AREAS.

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY CONSERVATION DISTRICT.

Approved: *[Signature]* 3/15/10
Date: 3/15/10



TYPICAL DECIDUOUS TREE PLANTING DETAIL
NOT TO SCALE

STREET TREE CALCULATIONS
OLD ST. JOHNS LANE - 200 LF/30' = 7 TREES
TOTAL TREES REQUIRED = 7 STREET TREES
TOTAL TREES PROVIDED = 7 STREET TREES

STREET TREE PLANTING SCHEDULE

QUANTITY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE
7	⑦	CORNUS FLORIDA / WHITE	FLOWERING DOGWOOD	2 1/2" - 3" CAL.
TOTAL				7 STREET TREES

NOTE: THE STREET TREES ARE LOCATED WITHIN THE BG&E GREEN ZONE, WHICH ALLOWS MATURE TREES UNDER 25' MATURE FLOWERING DOGWOOD TREES REACH A HEIGHT OF 20' WITH FLAT TOP CROWN.

OWNER/DEVELOPER
R. JACOB HIKMAT
6800 DEERPATH ROAD, STE. 150
ELKBRIDGE, MD 21075
(410)997-0295

LANDSCAPE REQUIREMENT PLANTING SCHEDULE

QUANTITY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE
21	①	ACER RUBRUM 'RED SUNSET'	RED SUNSET RED MAPLE	2 1/2" - 3" CAL.
1	②	PICEA ABIES	NORWAY SPRUCE	6' - 8' HT.
TOTAL				22 TREES (21 SHADE TREES & 1 PINE TREES)

DEVELOPERS CERTIFICATE
I CERTIFY THAT ALL DEVELOPMENT AND 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 BEGAINING THE PROJECT. I SO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

Signature: *[Signature]* 3/17/10
Date: 3/17/10

Signature: *[Signature]* 3/17/10
Date: 3/17/10

SOILS DESCRIPTION

SYMBOL	DESCRIPTION
ChB2	Chester silt loam, 3% to 8% slopes, moderately eroded --- Type B
GlC2	Glenns loam, 8% to 15% slopes, moderately eroded --- Type B
MIB2	Manor loam, 3% to 8% slopes, moderately eroded --- Type B

PROFESSIONAL CERTIFICATION
I/WE CERTIFY THAT THE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A duly licensed PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND LICENSE NO. 17942, EXPIRATION DATE: 09/03/10.

Signature: *[Signature]* 3/17/10
Date: 3/17/10

QUALIFIED PROFESSIONAL
[Signature] 3/17/10
MASHID TRINGA

DEVELOPER'S/OWNER'S CERTIFICATE
I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE IN ACCORDANCE TO THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE HOWARD COUNTY LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION A CERTIFICATION OF LANDSCAPE INSTALLATION, ACCOMPANIED BY AN EXECUTED ONE-TWO QUANTITIES OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

Signature: *[Signature]* 3/17/10
Date: 3/17/10

NET TRACT AREA:

A. Total tract area.....	=2.33
B. Area within 100 year floodplain.....	=0.00
C. Area to remain in agricultural production or utility ROW.....	=0.00
D. Net tract area.....	=2.33

LAND USE CATEGORY:
(from table 3.2.1, page 40, Manual) Input the number "1" under the appropriate land use zoning, and limit to only one entry.

ARA	MDR	IDA	HDR	MPD	CIA
0	0	0	1	0	0

E. Afforestation Threshold..... 15% x D = 0.35
F. Conservation Threshold..... 20% x D = 0.47

EXISTING FOREST COVER:

G. Existing forest cover (excluding floodplain).....	=0.00
H. Area of forest above afforestation threshold.....	=0.00
I. Area of forest above conservation threshold.....	=0.00

BREAK EVEN POINT:
J. Forest retention above threshold with no mitigation.....=0.00
K. Clearing permitted without mitigation.....=0.00

PROPOSED FOREST CLEARING:

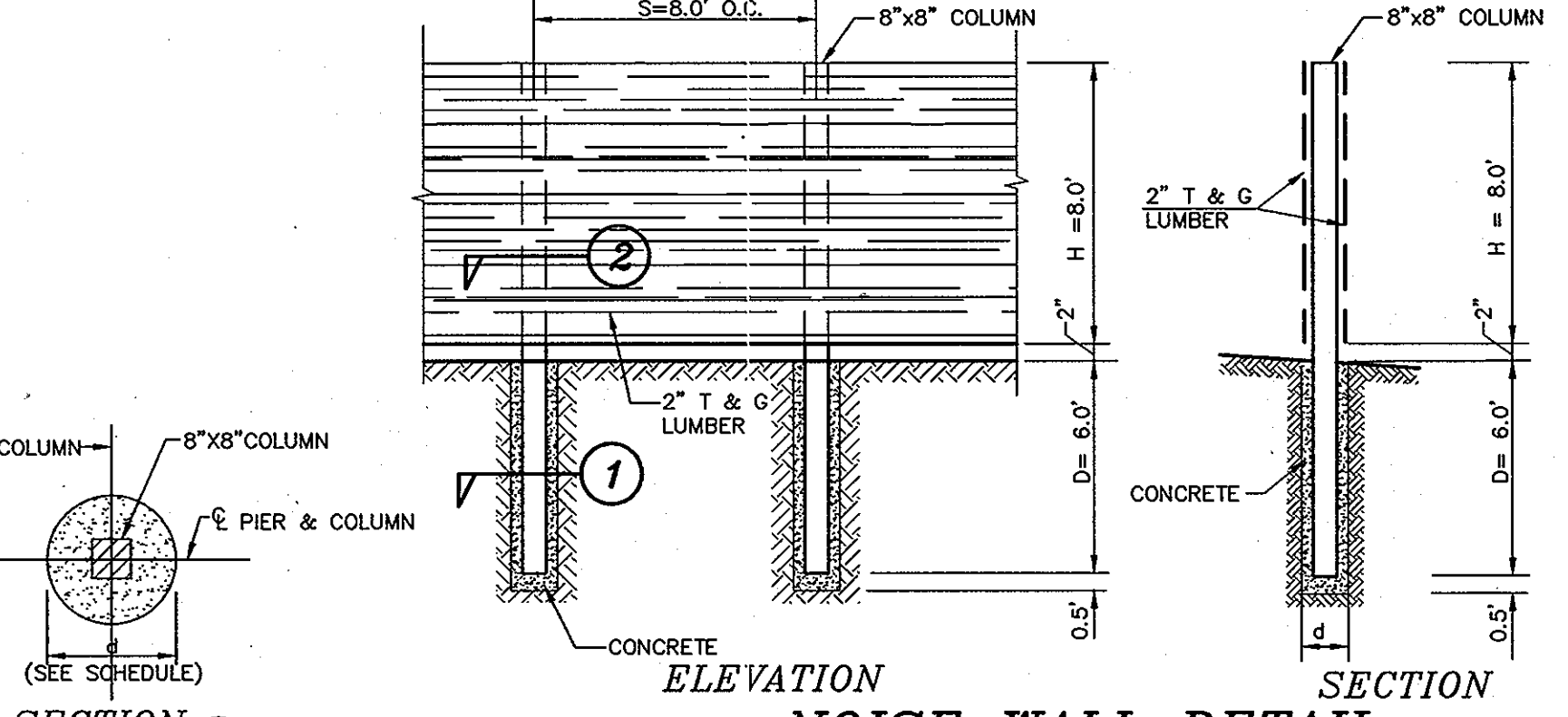
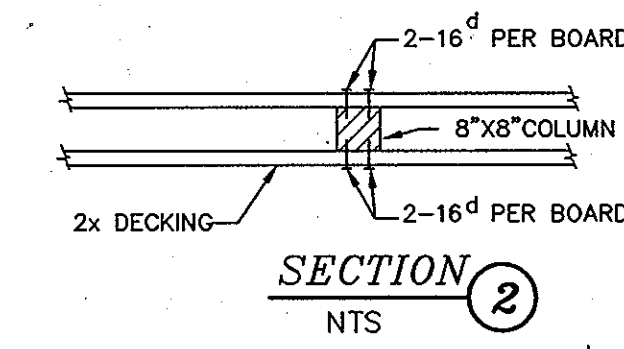
L. Total area of forest to be cleared.....	=0.00
M. Total area of forest to be retained.....	=0.00

PLANTING REQUIREMENTS:
N. Reforestation for clearing above conservation threshold.....=0.00
O. Reforestation for clearing below conservation threshold.....=0.00
P. Credit for retention above conservation threshold.....=0.00
R. Total reforestation required.....=0.00
S. Total afforestation required.....=0.35
T. Total reforestation and afforestation required.....=0.35

SCHEDULE

H	S	D	d	POST SIZE
8'	8'	6'	16"	8"x8"

- NOISE WALL NOTES:**
- CONCRETE SHALL BE MSHA MIX. NO. 2 f'c=3,500 PSI
 - ALL WOODEN MEMBERS SHALL BE PRESSURE TREATED NO. 2 SELECT STRUCTURAL SOUTHERN PINE.
 - PRESSURE TREATMENT SHALL CONSIST OF CCA IN ACCORDANCE WITH AWQB LP-22.
 - PROVIDE 2" OPENING AT BOTTOM OF NOISE WALL.



SCHEDULE A - PERIMETER LANDSCAPED EDGE

CATEGORY	ADJACENT TO PERIMETER PROPERTIES						TOTAL
	A (PERIMETER 1)	A (PERIMETER 2)	A (PERIMETER 3)	A (PERIMETER 4)	A (PERIMETER 5)	B (PERIMETER 6)	
LANDSCAPE TYPE							
LINEAR FEET OF PERIMETER	200 LF	80 LF	411 LF	259 LF	430 LF	75 LF	
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET)	YES * 2-30' PINE TREES	NO	NO	NO	NO	YES** 1-14" PINE TREE	3 EVERGREEN TREES
NUMBER OF PLANTS REQUIRED							
SHADE TREES	3 SHADE TREES	1 SHADE TREES	7 SHADE TREES	4 SHADE TREES	7 SHADE TREES	1 SHADE TREES	23 SHADE TREES
EVERGREEN TREES	0 EVERGREEN TREES	0 EVERGREEN TREES	0 EVERGREEN TREES	0 EVERGREEN TREES	0 EVERGREEN TREES	2 EVERGREEN TREES	2 EVERGREEN TREES
NUMBER OF PLANTS PROVIDED							
SHADE TREES	2 SHADE TREES	1 SHADE TREES	7 SHADE TREES	4 SHADE TREES	7 SHADE TREES	1 EVERGREEN TREES	21 SHADE TREES
EVERGREEN TREES	0 EVERGREEN TREES	0 EVERGREEN TREES	0 EVERGREEN TREES	0 EVERGREEN TREES	0 EVERGREEN TREES		1 EVERGREEN TREES

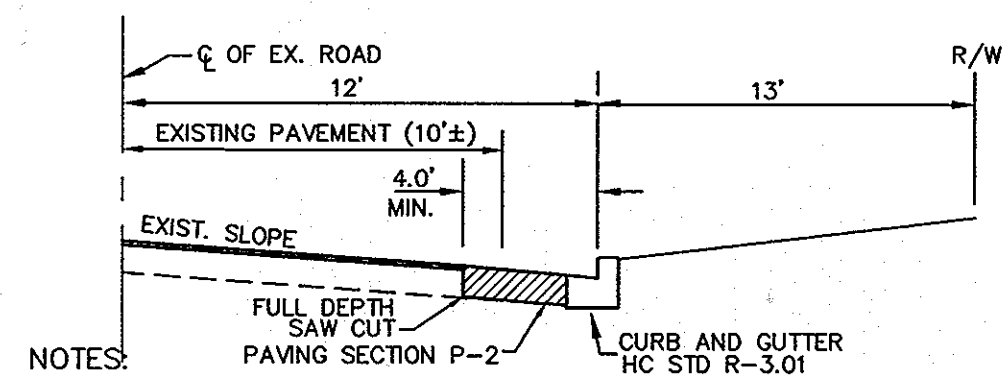
* - 2 - 30' PINE TREES
** - 14" PINE TREE

project	date	description	revision
07-021	MAR 2010	illustration	MM
		MES	MM
		scale	1"=30'
		date	2-22-11

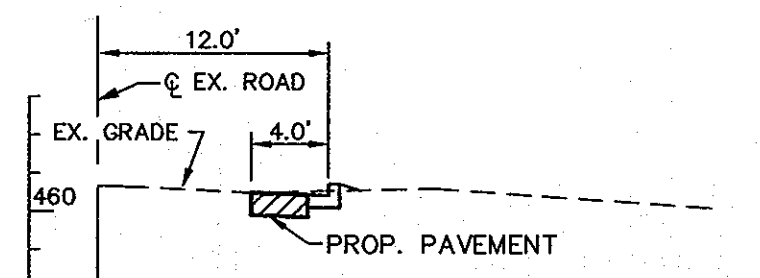
1. REV. M-L-G-ES/AT AND TITLE BLOCK

TAX MAP 17, BLOCK 15, PARCEL 61
MT. HEBRON MEADOW, LOTS 1 THRU 4
SECOND ELECTION DISTRICT, HOWARD COUNTY, MARYLAND, FILE NO. SP-09-001
FOREST CONSERVATION, LANDSCAPE, SUPPLEMENTAL & ROAD CONSTRUCTION PLAN

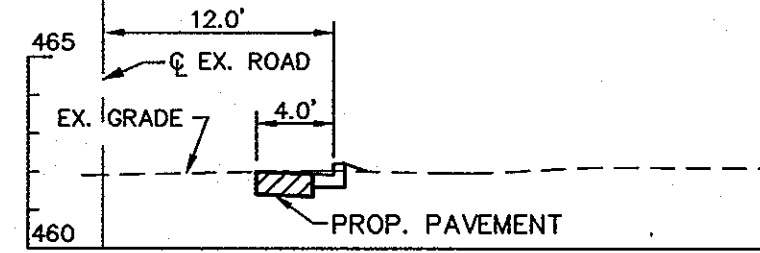
MILDENBERG, BOENDER & ASSOC., INC.
Engineers Planners Surveyors
6800 Deerpath Road, Suite 150, Elkridge, MD 21075
(410) 997-0296 Fax



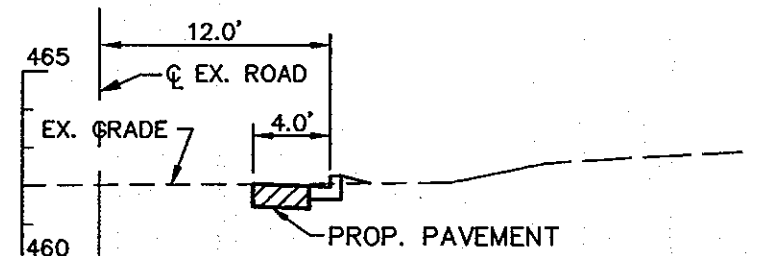
NOTES:
 A. WHEN EXISTING TRAVEL LANE IS LESS THAN THE REQUIRED 12' LANE CONTRACTOR SHALL PROVIDE A MINIMUM OF 4' OF WIDENING FROM FACE OF GUTTER PANEL.
 B. THE SURFACE OVERLAY SHALL BE CARRIED TO THE CENTERLINE OF THE ROAD AND NOTCHED AND SEALED.
 C. SURFACE OVERLAY COURSE TO BE EQUAL TO SURFACE COURSE OF TYPICAL PAVING SECTION.
 D. EXISTING PAVEMENT TO BE RESURFACED SHALL BE MILLED AT DEPTH OF 1.5" (MINIMUM).



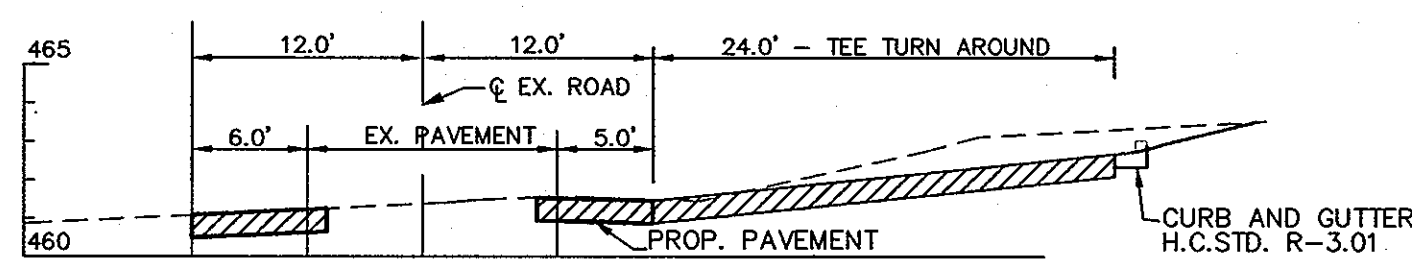
STA. 0+00
 OLD ST. JOHN'S LANE
 SCALE: H:1"=10' V:1"=5'



STA. 0+50
 OLD ST. JOHN'S LANE
 SCALE: H:1"=10' V:1"=5'



STA. 1+00
 OLD ST. JOHN'S LANE
 SCALE: H:1"=10' V:1"=5'



STA. 1+50
 OLD ST. JOHN'S LANE
 SCALE: H:1"=10' V:1"=5'

ROAD IMPROVEMENT CROSS-SECTIONS

OWNER/DEVELOPER

R. JACOB HIKMAT
 6800 DEERPATH ROAD, SUITE 150
 ELKBRIDGE, MD 21075
 410-997-0296

DEVELOPER'S CERTIFICATE

I CERTIFY THAT ALL DEVELOPMENT AND 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 PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

SIGNATURE OF DEVELOPER: *[Signature]* DATE: 3/11/10
 PRINTED NAME OF DEVELOPER: R. JACOB HIKMAT

ENGINEER'S CERTIFICATE

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 AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

SIGNATURE OF ENGINEER: *[Signature]* DATE: 3/11/10
 PRINTED NAME OF ENGINEER: R. JACOB HIKMAT

REVIEWED BY

HOWARD COUNTY SOIL CONSERVATION DISTRICT AND TECHNICAL REQUIREMENTS
 USA-NATURAL RESOURCES CONSERVATION SERVICE

APPROVED: DEPARTMENT OF PUBLIC WORKS
 CHIEF BUREAU OF HIGHWAYS DATE: 4-7-10

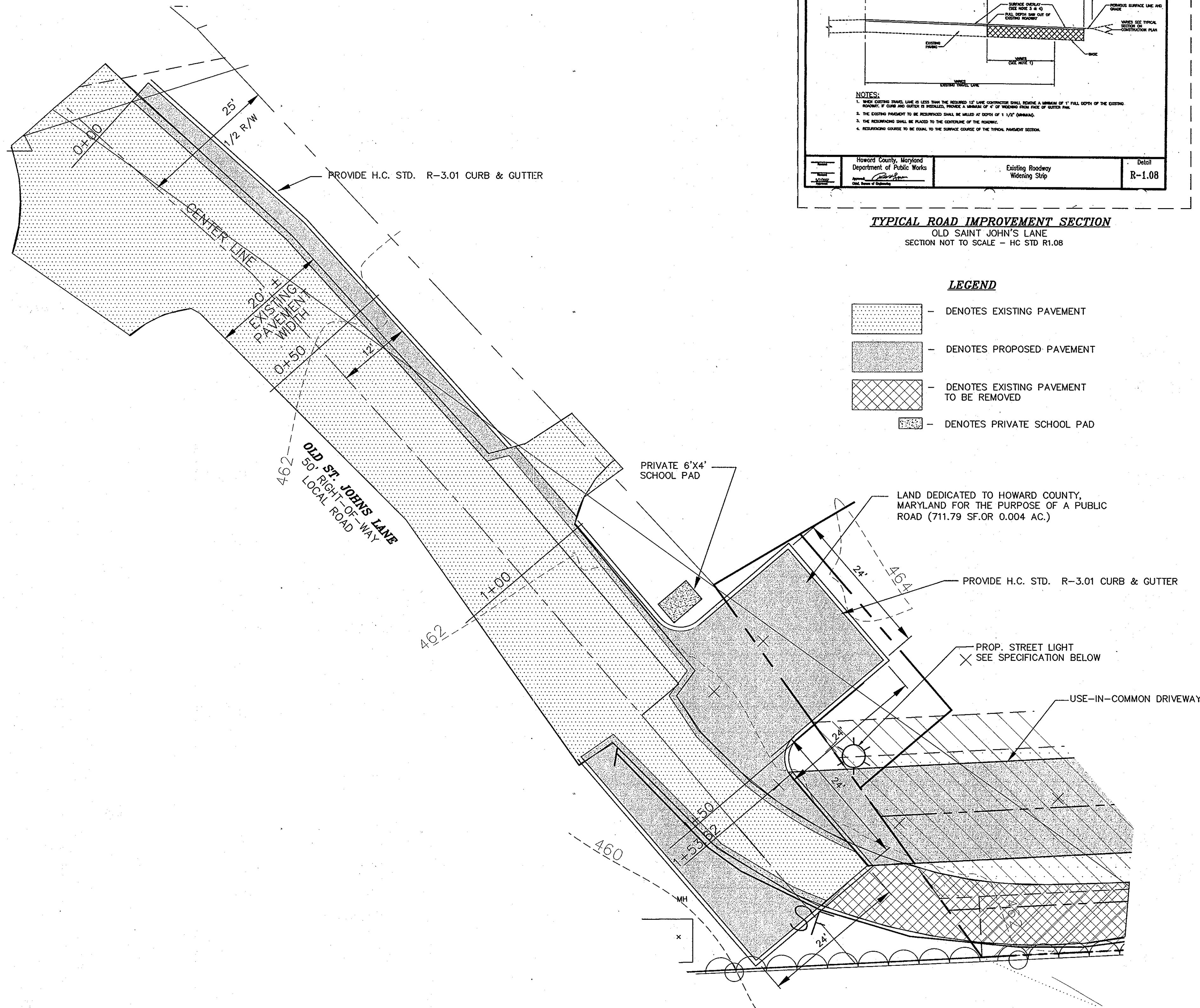
APPROVED: DEPARTMENT OF PLANNING AND ZONING
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE: 4-16-10

CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE: 4/12/10

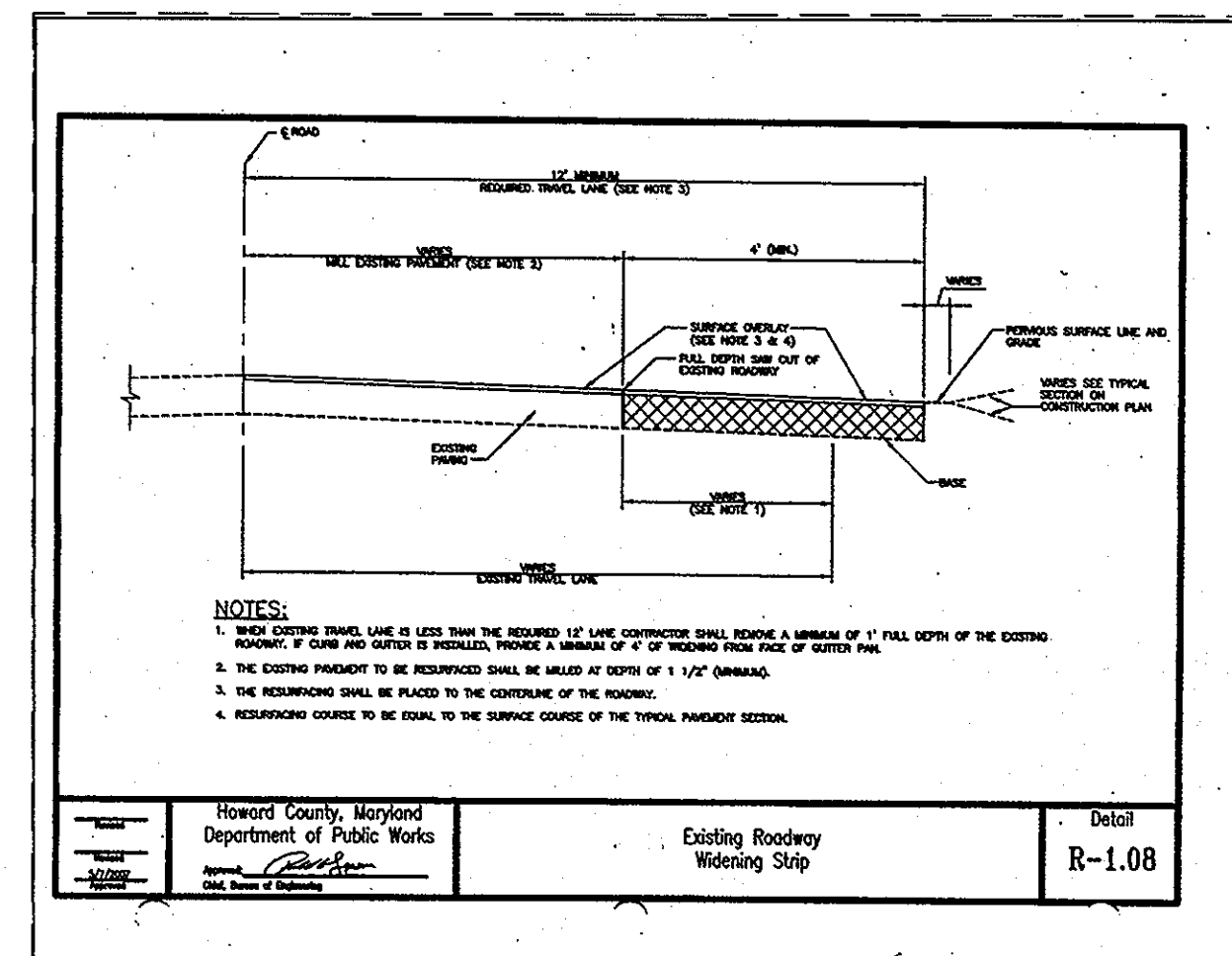


PROFESSIONAL CERTIFICATION

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO.: 17942 EXPIRATION DATE: 09/03/2010



OLD ST. JOHN'S LANE
 ROAD IMPROVEMENTS
 SCALE: 1" = 10'



TYPICAL ROAD IMPROVEMENT SECTION
 OLD SAINT JOHN'S LANE
 SECTION NOT TO SCALE - HC STD R1.08

LEGEND

- DENOTES EXISTING PAVEMENT
- DENOTES PROPOSED PAVEMENT
- DENOTES EXISTING PAVEMENT TO BE REMOVED
- DENOTES PRIVATE SCHOOL PAD

THE STREET LIGHT LOCATION AND TYPE OF LIGHT IS AS FOLLOWS :

STREET NAME	STATION	OFFSET	FIXTURE/POLE TYPE
OLD ST. JOHN'S LANE	1+58	22' LT	150 watt HPS VAPOR COLONIAL POST-TOP MOUNTED ON A 14" FIBERGLASS POLE

Project	07-021
Date	MAR 2010
Illustration	JJO/MMM
Scale	1"=50'
Approval	JJO/MMM
Revision	RIH

REV	TITLE	DATE
1	REV TITLE BLOCK	3-2-11

TAX MAP 17, BLOCK 15, PARCEL 61
MT. HEBRON MEADOW, LOTS 1 THRU 4
 HOWARD COUNTY, MARYLAND
 SECOND ELECTION DISTRICT
ROAD IMPROVEMENT PLAN

MILDENBERG, BOENDER & ASSOC., INC.
 Engineers Planners Surveyors
 6800 Deerpath Road, Suite 150, Elkridge, MD 21075
 (410) 997-0296 Fax: (410) 997-0298 Fax

HOWARD SOIL CONSERVATION DISTRICT
PERMANENT SEEDING NOTES

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

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

- SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:
- 1) PREFERRED - APPLY 2 TONS PER ACRES DOLOMITIC LIMESTONE (92 LBS./1000 SQ.FT.) AND 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1000 SQ.FT.) BEFORE SEEDING. HARROW OR DISK INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 UREA-FORM FERTILIZER (9 LBS./1000 SQ.FT.).
 - 2) ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1000 SQ.FT.) AND 1000 LBS. PER ACRE 10-10-10 FERTILIZER (23 LBS./1000 SQ.FT.) BEFORE SEEDING. HARROW OR DISK 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 1.4 LBS./1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS. PER ACRE OF KENTUCKY 31 TALL FESCUE AND 2 LBS. PER ACRE (0.5 LBS./1000 SQ.FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU 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 SOD. OPTION (3) - SEED WITH 60 LBS./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 SQ.FT.) OF UNROLLED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GAL PER ACRE (5 GAL/1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ.FT.) FOR ANCHORING.

MAINTENANCE - INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

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 THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, FOR NOT PREVIOUSLY LOOSENED.

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

SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU OCTOBER 15, SEED WITH 2-1/2 BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS./1000 SQ.FT.) FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS. PER ACRE OF WEEPING LOVEGRASS (0.7 LBS./1000 SQ.FT.). FOR THE PERIOD NOVEMBER 16 THRU NOVEMBER 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 SOD.

MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNROLLED WEEED FREE SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GAL PER ACRE (5 GAL/1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GAL PER ACRE (8 GAL/1000 SQ.FT.) FOR ANCHORING.

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

STANDARD SEDIMENT CONTROL NOTES

- 1) A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION, (313-1855).
- 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 MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, AND REVISIONS THERETO.
- 3) FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1, B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- 4) 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.
- 5) ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1991 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SEC.51), SOD (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.
- 6) 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.
- 7) SITE ANALYSIS:

TOTAL AREA OF SITE:	2.331 ACRES
AREA DISTURBED:	2.25 ACRES
AREA TO BE ROOFED OR PAVED:	0.47 ACRES
AREA TO BE VEGETATIVELY STABILIZED:	1.78 ACRES
TOTAL CUT:	2,600 CU. YDS.
TOTAL FILL:	2,600 CU. YDS.
TOTAL WASTE/BORROW AREA LOCATION:	N/A

THESE QUANTITIES ARE FOR PERMIT PURPOSES ONLY. CONTRACTOR IS REQUIRED TO PROVIDE HIS OWN QUANTITIES MEASUREMENTS.

OWNER/DEVELOPER
R. JACOB HIKMAT
6800 DEERPATH ROAD, STE. 150
ELKRIE, MD 21075
(410)997-0296

DEVELOPER'S CERTIFICATE

I CERTIFY THAT ALL DEVELOPMENT AND 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 PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE NATIONAL RESOURCE CONSERVATION SERVICE.

SIGNATURE OF DEVELOPER: *[Signature]* DATE: 3/12/10
R. JACOB HIKMAT
PRINTED NAME OF DEVELOPER

ENGINEER'S CERTIFICATE

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND FEASIBLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL RESOURCE CONSERVATION SERVICE.

SIGNATURE OF ENGINEER: *[Signature]* DATE: 3/12/10
R. JACOB HIKMAT
PRINTED NAME OF ENGINEER

REVIEWED FOR HOWARD COUNTY DISTRICT AND MEETS TECHNICAL REQUIREMENTS: *[Signature]* DATE: 4-7-10
CHIEF BUREAU OF HIGHWAYS

APPROVED: DEPARTMENT OF PUBLIC WORKS: *[Signature]* DATE: 4-7-10
CHIEF BUREAU OF HIGHWAYS

APPROVED: DEPARTMENT OF PLANNING AND ZONING: *[Signature]* DATE: 4-15-10
CHIEF, DIVISION OF LAND DEVELOPMENT

APPROVED: DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES CONSERVATION SERVICE: *[Signature]* DATE: 4/13/10
CHIEF, DEVELOPMENT ENGINEERING DIVISION

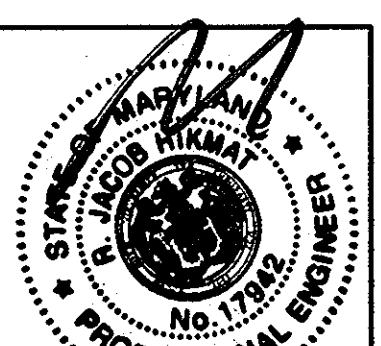
APPROVED: DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES CONSERVATION SERVICE: *[Signature]* DATE: 4/13/10
CHIEF, DEVELOPMENT ENGINEERING DIVISION

APPROVED: DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES CONSERVATION SERVICE: *[Signature]* DATE: 4/13/10
CHIEF, DEVELOPMENT ENGINEERING DIVISION

APPROVED: DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES CONSERVATION SERVICE: *[Signature]* DATE: 4/13/10
CHIEF, DEVELOPMENT ENGINEERING DIVISION

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY CONSERVATION DISTRICT.
Approved: *[Signature]* Howard S.C.D. Date: 3/12/10

UTD'S DIVISION
100% COMPLIANCE
CONSERVATION DISTRICT
HOWARD COUNTY
100% COMPLIANCE
CONSERVATION DISTRICT
HOWARD COUNTY



- 8) ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- 9) ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- 10) 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.
- 11) TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH CAN BE BACKFILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

STANDARD AND SPECIFICATIONS FOR TOPSOIL

DEFINITION

PLACEMENT OF TOPSOIL OVER A PREPARED SUBSOIL PRIOR TO ESTABLISHMENT OF PERMANENT VEGETATION.

PURPOSE

TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETATIVE GROWTH. SOILS OF CONCERN HAVE LOW MOISTURE CONTENT, LOW NUTRIENT LEVELS, LOW pH, MATERIALS TOXIC TO PLANTS, AND/OR UNACCEPTABLE SOIL GRADATION.

CONDITIONS WHERE PRACTICE APPLIES

- I. THIS PRACTICE IS LIMITED TO AREAS HAVING 2:1 OR FLATTER SLOPES WHERE:
 - a. THE TEXTURE OF THE EXPOSED SUBSOIL/PARENT MATERIAL IS NOT ADEQUATE TO PRODUCE VEGETATIVE GROWTH.
 - b. THE SOIL MATERIAL IS SO SHALLOW THAT THE ROOTING ZONE IS NOT DEEP ENOUGH TO SUPPORT PLANTS OR FURNISH CONTINUING SUPPLIES OF MOISTURE AND PLANT NUTRIENTS.
 - c. THE ORIGINAL SOIL TO BE VEGETATED CONTAINS MATERIAL TOXIC TO PLANT GROWTH.
 - d. THE SOIL IS SO ACIDIC THAT TREATMENT WITH LIMESTONE IS NOT FEASIBLE.
- II. FOR THE PURPOSE OF THESE STANDARDS AND SPECIFICATIONS, AREAS HAVING SLOPES STEEPER THAN 2:1 REQUIRE SPECIAL CONSIDERATION AND DESIGN FOR ADEQUATE STABILIZATION. AREAS HAVING SLOPES STEEPER THAN 2:1 SHALL HAVE THE APPROPRIATE STABILIZATION SHOWN ON THE PLANS.

CONSTRUCTION AND MATERIAL SPECIFICATIONS

- I. 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-SCS IN COOPERATION WITH MARYLAND AGRICULTURAL EXPERIMENTAL STATION.
- II. TOPSOIL SPECIFICATIONS - SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING:
 - i. 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 TEXTURED SUBSOILS AND SHALL CONTAIN LESS THAN 5% BY VOLUME OF CINDERS, STONES, SLAG, COARSE FRAGMENTS, GRAVEL, STICKS, ROOTS, TRASH, OR OTHER MATERIALS LARGER THAN 1 1/2" IN DIAMETER.
 - ii. TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERMUDA GRASS, QUACKGRASS, JOHNSON-SON GRASS, NUTSEDGE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED.
 - iii. 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.
- III. FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES:
 - i. PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 20.0 VEGETATIVE STABILIZATION - SECTION I - VEGETATIVE STABILIZATION METHODS AND MATERIALS.
- IV. FOR SITES HAVING DISTURBED AREAS OVER 5 ACRES:
 - i. ON SOIL MEETING TOPSOIL SPECIFICATIONS, OBTAIN TEST RESULTS DICTATING FERTILIZER AND LIME AMENDMENTS REQUIRED TO BRING THE SOIL INTO COMPLIANCE WITH THE FOLLOWING:
 - a. pH FOR TOPSOILS SHALL BE BETWEEN 6.0 AND 7.5. IF THE TESTED SOIL DEMONSTRATES A pH OF LESS THAN 6.0, SUFFICIENT LIME SHALL BE PRESCRIBED TO RAISE THE pH TO 6.5 OR HIGHER.
 - b. ORGANIC CONTENT OF TOPSOIL SHALL BE NOT LESS THAN 1.5 PERCENT BY WEIGHT.
 - c. TOPSOIL HAVING SOLUBLE SALT CONTENT GREATER THAN 500 PARTS PER MILLION SHALL NOT BE USED.
 - d. NO SOD OR SEED SHALL BE PLACED ON SOIL WHICH HAS BEEN TREATED WITH SOIL STERILANTS OR CHEMICALS USED FOR WEED CONTROL UNTIL SUFFICIENT TIME HAS ELAPSED (14 DAYS MIN.) TO PERMIT DISSIPATION OF PHYTO-TOXIC MATERIALS.
 - ii. PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 20.0 VEGETATIVE STABILIZATION - SECTION I - VEGETATIVE STABILIZATION METHODS AND MATERIALS.
- V. TOPSOIL APPLICATION
 - i. WHEN TOPSOILING, MAINTAIN NEEDED EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, EARTH DIKES, SLOPE SILT FENCE AND SEDIMENT TRAPS AND BASINS.
 - ii. GRADES ON THE AREAS TO BE TOPSOILED, WHICH HAVE BEEN PREVIOUSLY ESTABLISHED, SHALL BE MAINTAINED, ALBERT 4" - 8" HIGHER IN ELEVATION.
 - iii. TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED IN A 4" TO 8" LAYER AND LIGHTLY COMPACTED TO A MINIMUM THICKNESS OF 4". SPREADING SHALL BE PERFORMED IN SUCH A MANNER THAT SODDING OR SEEDING CAN PROCEED WITH A MINIMUM OF ADDITIONAL SOIL PREPARATION AND TILLAGE. ANY IRREGULARITIES IN THE SURFACE RESULTING FROM TOPSOILING OR OTHER OPERATIONS SHALL BE CORRECTED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS OR WATER POCKETS.
 - iv. TOPSOIL SHALL NOT BE PLACED WHILE THE TOPSOIL OR SUBSOIL IS IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBSOIL IS EXCESSIVELY WET OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING AND SEEDBED PREPARATION.

ALTERNATIVE FOR PERMANENT SEEDING - INSTEAD OF APPLYING THE FULL AMOUNTS OF LIME AND COMMERCIAL FERTILIZER, COMPOSTED SLUDGE AND AMENDMENTS MAY BE APPLIED AS SPECIFIED BELOW:

- I. COMPOSTED SLUDGE MATERIAL FOR USE AS A SOIL CONDITIONER FOR SITES HAVING DISTURBED AREAS OVER 5 ACRES SHALL BE TESTED TO PRESCRIBED AMENDMENTS AND FOR SITES HAVING AREAS UNDER 5 ACRES SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:
 - a. COMPOSTED SLUDGE SHALL BE SUPPLIED BY, OR ORIGINATE FROM, A PERSON OR PERSONS WHO ARE PERMITTED AT THE TIME OF ACQUISITION OF THE COMPOST) BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT UNDER COMAR 26.04.06.
 - b. COMPOSTED SLUDGE SHALL CONTAIN AT LEAST 1 PERCENT NITROGEN, 1.5 PERCENT PHOSPHORUS, AND 0.2 PERCENT POTASSIUM AND HAVE A Ph OF 7.0 TO 8.0. IF COMPOST DOES NOT MEET THESE REQUIREMENTS, THE APPROPRIATE CONSTITUENTS MUST BE ADDED TO MEET THE REQUIREMENTS PRIOR TO USE.
 - c. COMPOSTED SLUDGE SHALL BE APPLIED AT A RATE OF 1 TON/1,000 SQUARE FEET.
- II. COMPOSTED SLUDGE SHALL BE AMENDED WITH A POTASSIUM FERTILIZER APPLIED AT THE RATE OF 4 LB/1,000 SQUARE FEET, AND 1/3 THE NORMAL LIME APPLICATION RATE.

REFERENCES: GUIDELINE SPECIFICATIONS, SOIL PREPARATION AND SODDING, MD-VI, PUB. #1, COOPERATIVE EXTENSION SERVICE, UNIVERSITY OF MARYLAND AND VIRGINIA POLYTECHNIC INSTITUTES. REVISED 1973.

EROSION AND SEDIMENT CONTROL NOTES

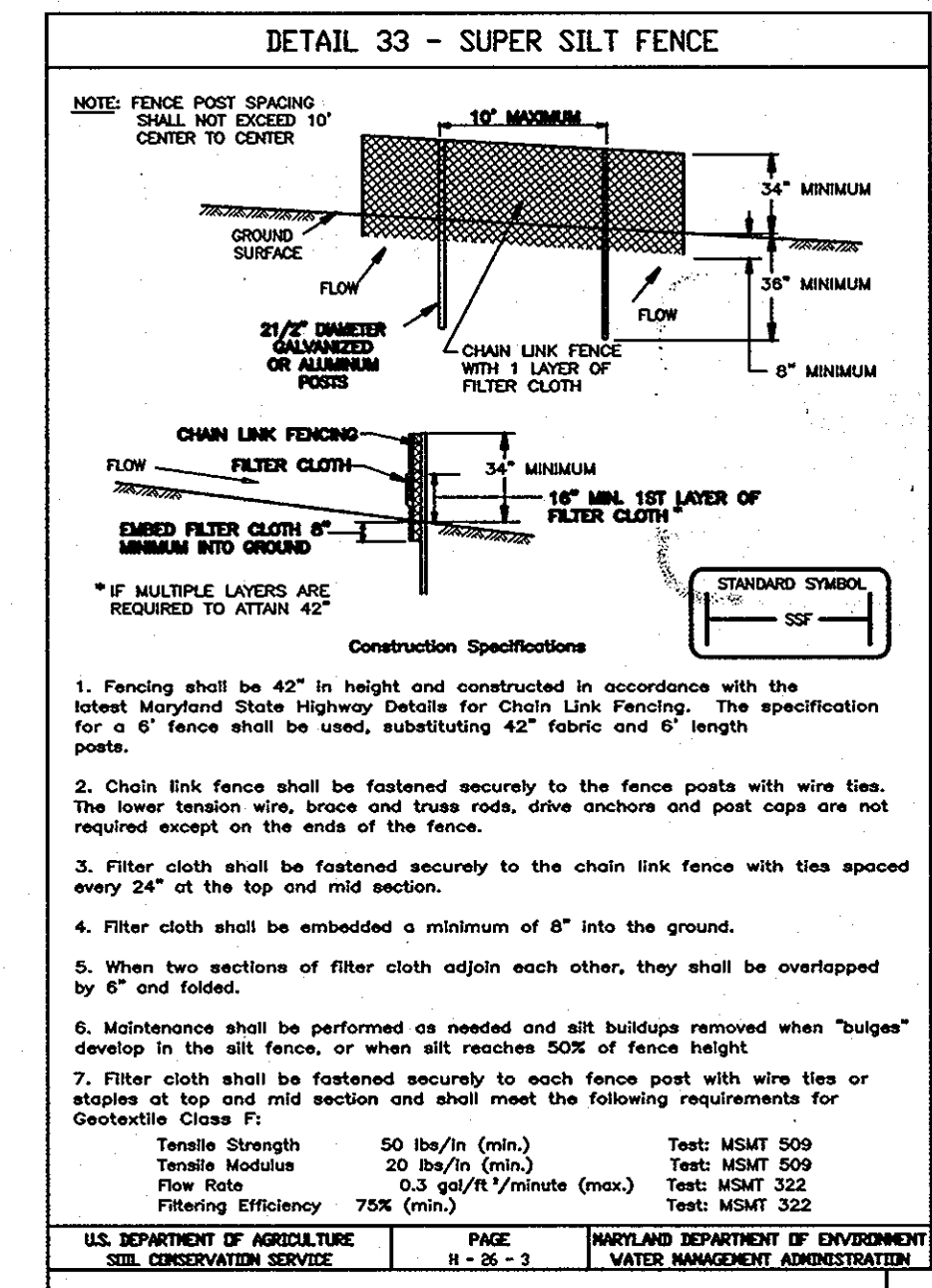
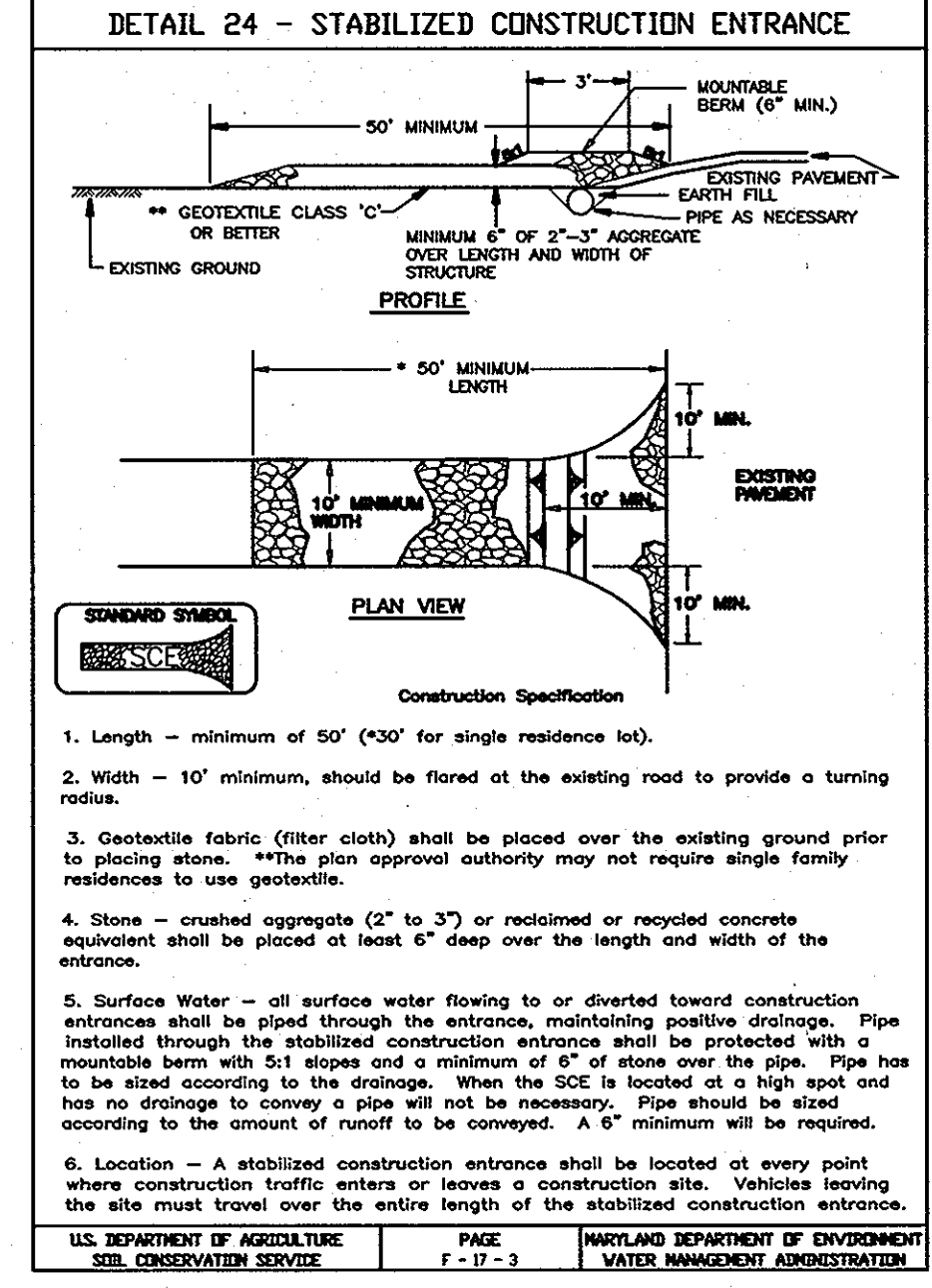
1. ALL SEDIMENT CONTROL OPERATIONS ARE TO BE DONE IN ACCORDANCE WITH SECTION 219 OF THE HOWARD COUNTY VOLUME IV DESIGN MANUAL AND THE STANDARDS AND SPECIFICATIONS FOR SEDIMENT CONTROL IN DEVELOPING AREAS.
2. ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED AS THE FIRST ORDER OF BUSINESS.
3. ALL EXCAVATED MATERIALS SHALL BE STOCKPILED ON THE UPGRADE SIDE OF THE MAIN TRENCH.
4. EXCAVATION AND BACKFILL SHALL BE LIMITED TO THAT WHICH CAN BE STABILIZED WITHIN ONE WORKING DAY.
5. IMMEDIATELY FOLLOWING BACKFILL OF THE SEWER TRENCH, ALL DISTURBED AREAS ARE TO BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION AND SEEDING NOTES SHOWN ON THIS SHEET.
6. THROUGHOUT THE PROJECT, THE CONTRACTOR SHALL REGULARLY INSPECT ALL SEDIMENT CONTROL DEVICES AND PROVIDE ALL NECESSARY MAINTENANCE TO ENSURE THAT ALL DEVICES ARE IN OPERATIVE CONDITION.
7. ALL SEDIMENT CONTROL FACILITIES SHALL REMAIN IN PLACE UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.

TEMPORARY DUST CONTROL MEASURES

1. MULCHES - SEE STANDARDS FOR VEGETATIVE STABILIZATION WITH MULCHES ONLY. MULCH SHOULD BE CRIMPED OR TACKED TO PREVENT BLOWING.
2. VEGETATIVE COVER - SEE STANDARDS FOR TEMPORARY VEGETATIVE COVER.
3. TILLAGE - TO ROUGHEN SURFACE AND BRING CLODS TO THE SURFACE. THIS IS AN EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE SOIL BLOWING STARTS. BEGIN PLOWING ON WINDWARD SIDE OF SITE. CHISEL-TYPE PLOWS SPACED ABOUT 12' APART, SPRING-TOOTHED HARROWS, AND SIMILAR PLOWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.
4. IRRIGATION - THIS IS GENERALLY DONE AS AN EMERGENCY TREATMENT. SITE IS SPRINKLED WITH WATER UNTIL THE SURFACE IS MOIST. REPEAT AS NEEDED. AT NO TIME SHOULD THE SITE BE IRRIGATED TO THE POINT THAT RUNOFF BEGINS TO FLOW.
5. BARRIERS - SOLID BOARD FENCES, SILT FENCES, SNOW FENCES, BURLAP FENCES, STRAW BALES, AND SIMILAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING. BARRIERS PLACED AT RIGHT ANGLES TO PREVAILING CURRENTS AT INTERVALS OF ABOUT 10 TIMES THEIR HEIGHT ARE EFFECTIVE IN CONTROLLING SOIL BLOWING.
6. CALCIUM CHLORIDE - APPLY AT RATES THAT WILL KEEP SURFACE MOIST. MAY NEED RETREATMENT.

SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT (1 DAY)
2. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE AT LOCATION SHOWN (1 DAY)
3. CONSTRUCT SILT FENCES AND SUPER SILT FENCES (2 DAYS)
4. CONSTRUCT SITE TO GRADES INDICATED WITH PERMISSION FROM INSPECTOR BEFORE PROCEEDING (10 DAYS)
5. CONSTRUCT HOUSES (90 - 180 DAYS)
6. COMPLETE FINE GRADING OF SITE TO GRADES INDICATED (2 DAYS)
7. SEED AND MULCH ALL REMAINING DISTURBED AREAS (1 DAY)
8. WITH THE PERMISSION OF THE SEDIMENT CONTROL INSPECTOR, LEAVE ALL SEDIMENT CONTROL DEVICES INTACT, FOR USE DURING THE SITE DEVELOPMENT PLAN STAGE OF THE PROJECT.



project	07-021	date	MAR 2010
illustration	MES	approval	MMM
scale	AS SHOWN	revision	RH

revision	1	description	REV TITLE BLOCK
date	3-24-10	revision	

TAX MAP 17, BLOCK 15, PARCEL 61
MT. HEBRON MEADOW, LOTS 1 THRU 4
HOWARD COUNTY, MARYLAND
SECOND ELECTION DISTRICT
SEDIMENT CONTROL NOTES & DETAILS

MILDENBERG, BOENDER & ASSOC., INC.
Engineers - Planners - Surveyors
6800 Deerpath Road, Suite 150, Elkridge, MD 21075
(410) 997-0296 Fax