GENERAL NOTES:

1. TOPOGRAPHIC & BOUNDARY SURVEYS BY WILKERSON & ASSOCIATES, INC., DATED JULY 2004.
2. SEE DRAWING 1 OF 7 FOR LEGEND.
3. TOTAL LOT AREA = ±10,617.
4. THE CONTRACTOR SHALL HAND DIG TEST PITS AT ALL UTILITY CROSSINGS AND CONNECTING POINTS TO DETERMINE THE EXACT LOCATION AND DEPTH WELL IN ADVANCE OF CONSTRUCTION.
5. D.C. STANDARD DETAILS, WHERE SHOWN, ARE FOR GENERAL INFORMATION ONLY. THE CONTRACTOR SHALL OBTAIN THE MOST CURRENT APPLICABLE D.C. DETAILS AND STANDARDS AND PERFORM CONSTRUCTION ACCORDINGLY.
6. FOR FIELD LOCATION OF GAS MAINS AND SERVICE CONNECTIONS, CONTRACTOR SHALL NOTIFY WASHINGTON GAS LIGHT COMPANY, (703) 750-1000, 72 HOURS PRIOR TO THE START OF ANY EXCAVATION OR CONSTRUCTION.
7. CONTRACTOR SHALL CONTACT MISS UTILITY, 1-800-257-7777, 48 HOURS PRIOR TO START OF CONSTRUCTION.
8. CONTRACTOR SHALL CONTACT DEPARTMENT OF PUBLIC WORKS-PUBLIC SPACE MAINTENANCE ADMINISTRATION, 48 HOURS PRIOR TO START OF CONSTRUCTION, AT (202) 645-7050.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING, REPLACING AND/OR RESTRORING ANY AND ALL UTILITY SERVICE CONNECTIONS DISTRUBED DURING CONSTRUCTION.
10. CONTRACTOR IS TO VERIFY FIELD CONDITIONS PRIOR TO AND DURING CONSTRUCTION AND NOTIFY STEVENSON & HESTAND, INC. AT (703) 961-1960 IMMEDIATELY OF ANY DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND THE APPROVED PLANS.
11. THE CONTRACTOR SHALL PERFORM ALL CONSTRUCTION IN PUBLIC SPACE IN ACCORDANCE WITH D.C. DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAYS AND STRUCTURES, LATEST EDITION. THE CONTRACTOR SHALL OBTAIN SAID SPECIFICATIONS.
12. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO PROCEEDING WITH DEMOLITION OF EXISTING IMPROVEMENTS OR STARTING ANY NEW CONSTRUCTION.
13. THE CONTRACTOR SHALL VERIFY THE ACTIVE/INACTIVE STATUS OF ANY EXISTING UTILITIES ENCOUNTERED ON SITE AND ABANDON OR RELOCATE AS APPROPRIATE.

RECEIVED
D.C. OFFICE OF ZONING
2007 OCT 2 AM 11:16

Government of the District of Columbia
Department of Consumer and Regulatory Affairs
Building and Land Regulation Administration
Zoning Review Division
Zoning Administrator
Date Entered
Entered By
*** PAID ***
Signature
Date 9/28/07

LEGEND
- SOIL BORING
- TEST HOLE
- UTILITY POLE
- WATER METER
- SEWER MANHOLE
- TELEPHONE MANHOLE
- EXISTING O/H TELEPHONE LINE
- EXIST. CHAIN LINK FENCE
- EXIST. CONTOURS
- EXISTING PAVING

BZA
Case No. 17261
Exhibit No. 9

JACKSON STREET

EXISTING ASPHALT

EXISTING SIDEWALK

80.04'

15' ALLEY

135.00'

120.00'

EXISTING SIDEWALK

B.M. = NAIL
ELEV. = 100.00'

14.16'

59.90'

16.12'

15' ALLEY

Zoan Han
Zoning Review Branch
Zoning Division

GRAPHIC SCALE

NO.	DATE	REVISION BLOCK
1	04-04-05	REVISED PER PERMITTING REVISION DISCUSSION

G. E. & J. CONSULTANTS, INC.

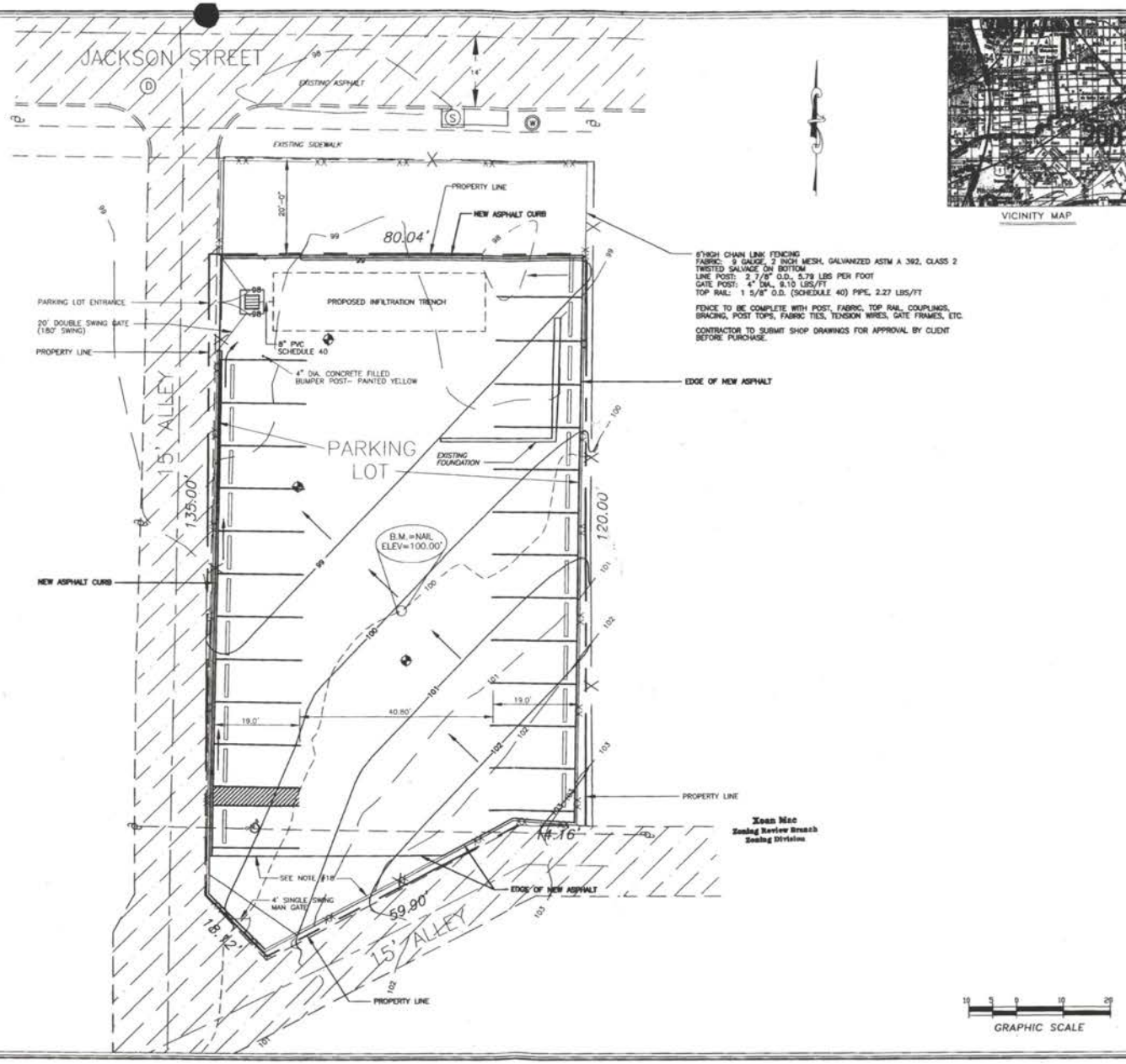
EXISTING CONDITIONS PLAN
BROOKLAND UNION BAPTIST CHURCH
3101 14th ST. NE
WASHINGTON, D.C. 20017

DATE: JUNE 2004
SCALE: 1"=20'
DRAWN BY: CMB
CHECKED BY: GEJ
PROJECT NO.: 04-01
SHEET NO.: 2 OF 7

Board of Zoning Adjustment
District of Columbia
CASE NO. 17261
EXHIBIT NO. 9

GENERAL NOTES:

1. TOPOGRAPHIC SURVEY BY C.A.S. ENGINEERING, 10-97.
2. SEE DRAWING 1 OF 7 FOR LEGEND.
3. BOUNDARY INFORMATION BASED ON AVAILABLE RECORDS.
4. TOTAL LOT AREA = 10,617 S.F..
5. FINAL GAS AND ELECTRIC ALIGNMENT SUBJECT TO UTILITY COMPANY APPROVAL.
6. EX. WATER AND SEWER LINES TO BE "TEST-PITTED" PRIOR TO CONSTRUCTION. PROPOSED WATER AND SEWER TO BE ADJUSTED IN LINE AND GRADED ACCORDINGLY.
7. TREE SAVE MEASURES TO BE ADDRESSED BY OTHERS.
8. THE CONTRACTOR SHALL HAND DIG TEST PITS AT ALL UTILITY CROSSINGS AND CONNECTING POINTS TO DETERMINE THE EXACT LOCATION AND DEPTH WELL IN ADVANCE OF CONSTRUCTION.
9. D.C. STANDARD DETAILS, WHERE SHOWN, ARE FOR GENERAL INFORMATION ONLY. THE CONTRACTOR SHALL OBTAIN THE MOST CURRENT APPLICABLE D.C. DETAILS AND STANDARDS AND PERFORM CONSTRUCTION ACCORDINGLY.
10. FOR FIELD LOCATION OF GAS MAINS AND SERVICE CONNECTIONS, CONTRACTOR SHALL NOTIFY WASHINGTON GAS LIGHT COMPANY, (703) 750-1000, 72 HOURS PRIOR TO THE START OF ANY EXCAVATION OR CONSTRUCTION.
11. CONTRACTOR SHALL CONTACT MISS UTILITY, 1-800-257-7777, 48 HOURS PRIOR TO START OF CONSTRUCTION.
12. CONTRACTOR SHALL CONTACT DEPARTMENT OF PUBLIC WORKS-PUBLIC SPACE MAINTENANCE ADMINISTRATION, 48 HOURS PRIOR TO START OF CONSTRUCTION, AT (202) 645-7050.
13. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING, REPLACING AND/OR RESTRIKING ANY AND ALL UTILITY SERVICE CONNECTIONS DISTRUBED DURING CONSTRUCTION.
14. CONTRACTOR IS TO VERIFY FIELD CONDITIONS PRIOR TO AND DURING CONSTRUCTION AND NOTIFY C.A.S. ENGINEERING AT (301) 607-8031 IMMEDIATELY OF ANY DISCREPANCIES BETWEEN ACTUAL FIELD CONDITIONS AND THE APPROVED PLANS.
15. THE CONTRACTOR SHALL PERFORM ALL CONSTRUCTION IN PUBLIC SPACE IN ACCORDANCE WITH D.C. DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAYS AND STRUCTURES, LATEST EDITION. THE CONTRACTOR SHALL OBTAIN SAID SPECIFICATIONS.
16. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO PROCEEDING WITH DEMOLITION OF EXISTING IMPROVEMENTS.
17. THE CONTRACTOR SHALL VERIFY THE ACTIVE/INACTIVE STATUS OF ANY EXISTING UTILITIES ENCOUNTERED ON SITE AND ABANDON OR RELOCATE AS APPROPRIATE.
18. 5% PERVIOUS AREA TO BE TOP SOIL AND SEEDED.



VICINITY MAP

NO.	DATE:	REVISION DESCRIPTION	BY:
0	7-28-04	ISSUED FOR PERMITTING	CRR

REVISION BLOCK

G E & T CONSULTANTS, INC.
P.O. Box 2073
Laurel, Maryland 21045-0071
Phone/FAX: (410) 381-2330
FAX: (410) 381-1064
e-mail: cwood1@gmail.com

DISTRICT OF COLUMBIA REGISTERED PROFESSIONAL ENGINEER

BUILDING PERMIT SITE PLAN
BROOKLAND UNION BAPTIST CHURCH
3101 14th ST, NE
WASHINGTON D.C. 20017

SCALE:	1"=10'
DATE:	JULY 2004
DESIGN:	WRH
DRAWN:	CRR
CHECK:	
REFERENCE:	

SHEET 2 OF 7

STATEMENT BY PERSON RESPONSIBLE FOR MAINTENANCE

THE UNDERSIGNED AGREES TO MAINTAIN AND OPERATE THE DISCHARGE FACILITIES IN SUCH A MANNER AS TO COMPLY WITH THE PROVISIONS OF SECTIONS 526 THROUGH 535 OF DCMR-21, CHAPTER 5. RESPONSIBILITY FOR MAINTENANCE AND OPERATION MAY BE TRANSFERRED TO ANOTHER ENTITY UPON WRITTEN NOTICE TO THE WATERSHED PROTECTION DIVISION OF THE DEPARTMENT OF HEALTH FROM THE UNDERSIGNED AND THE ENTITY ASSUMING RESPONSIBILITY, CERTIFYING THAT THE TRANSFER OF RESPONSIBILITY FOR MAINTENANCE AND OPERATION IN COMPLIANCE WITH SECTION 526 THROUGH 535 OF DCMR-21, CHAPTER 5 HAS BEEN ACCEPTED.

Signature of the person responsible for maintenance (it may be the applicant)

Name and Title (please type)

3101 14TH NW 12th

Address

20017

Date July 30 04 Phone 202 832 4450

STATEMENT BY THE PROFESSIONAL ENGINEER IN THE DISTRICT OF COLUMBIA

THIS IS TO CERTIFY THAT THE ENGINEERING FEATURES OF THIS STORMWATER DISCHARGE FACILITY HAVE BEEN DESIGNED/EXAMINED BY ME AND FOUND TO BE IN CONFORMITY WITH MODERN ENGINEERING PRINCIPLES APPLICABLE TO THE TREATMENT AND DISPOSAL OF STORMWATER POLLUTANTS. I FURTHER CERTIFY THAT THE FACILITY HAS BEEN DESIGNED IN ACCORDANCE WITH THE SPECIFICATIONS REQUIRED UNDER SECTIONS 526 THROUGH 535 OF DCMR-21, CHAPTER 5. IT IS ALSO STATED THAT THE UNDERSIGNED HAS FURNISHED THE APPLICANT WITH A SET OF INSTRUCTIONS FOR THE MAINTENANCE AND OPERATION OF THE STORMWATER DISCHARGE FACILITY.

NOWID BEAUBRUN

Name and Title (please type)

P.O. Box 2021

Address

COLUMBIA MD 21045

Date 7-29-04 Phone No: 410 381-5320

AS-BUILT CERTIFICATION BY PROFESSIONAL ENGINEER

WITHIN 21 (TWENTY-ONE) DAYS AFTER COMPLETION OF CONSTRUCTION OF THE STORMWATER DISCHARGE FACILITY, PLEASE SEND THIS PAGE TO THE WATERSHED PROTECTION DIVISION — DEPARTMENT OF HEALTH

1. STORMWATER DISCHARGE FACILITY INFORMATION:
   - SOURCE NAME:
   - SOURCE LOCATION (Street)
   - CITY:
   - DCRA PERMIT NO.:
   - DATE ISSUED:
2. AS-BUILT CERTIFICATION:

I HEREBY CERTIFY THAT THIS STORMWATER DISCHARGE FACILITY HAS BEEN BUILT SUBSEQUENTLY IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATION, AND THAT ANY SUBSTANTIAL DEVIATIONS (NOTED BELOW) WILL NOT PREVENT THE SYSTEM FROM FUNCTIONING IN COMPLIANCE WITH THE REQUIREMENTS OF SECTIONS 526 THROUGH 535 OF DCMR-21, CHAPTER 5. WHEN PROPERLY MAINTAINED AND OPERATED. THESE DETERMINATIONS HAVE BEEN BASED UPON ON-SITE OBSERVATION OF CONSTRUCTION, SCHEDULED AND CONDUCTED BY ME OR BY A PROJECT REPRESENTATIVE UNDER MY DIRECT SUPERVISION. I HAVE ENCLOSED ONE SET OF AS-BUILT ENGINEERING DRAWINGS.

Name (Please Type) D. C. Reg. No.

Company Name

Company Address

Date Phone No:

INFILTRATION TRENCH COMPUTATIONS

IMPERVIOUS AREA (LOT 29 = 10,617 SF = (0.244 AC)
TOTAL LOT AREA = 10,617 SF

C = 0.9

I_{10} = 7.56 IN/HR
$Q_{10} = C * I_{10} = 0.9 * 7.56 * 0.244$ Ac.
$Q_{10} = 0.44 * 7.56$ IN/HR * 0.244 AC. = 1.66 CFS

INFILTRATION TRENCH COMPUTATIONS:
- INFILTRATION RATE = 0.016 IN/HR
- V(REQ) = IMP. AREA * 0.5 IN * FT/12 IN
- V(REQ) = N. 10,617 SF. * 0.5 IN * FT/12 IN = 442.4 CF
- V(PROV) = L * W * D * Vr
- Vr = VOID RATIO = 0.35 (FOR GRAVEL)
- V(PROV) = 70 * 40 * 3.2 * 0.35 = 448 CF = 442.4 CF ---> O.K.

CHECK INFILTRATION TIME
- SURFACE AREA = 10 FT * 40 FT = 400 SF
- RATE = 400 SF * 2.0 IN/HR * FT/12 IN = 66.7 CF/HR
- INFILTRATION TIME = V(PROV) = 448 = 6.7 HRS < 72 HRS ---> O.K.
  RATE 66.7

CALCULAR CHANNEL ANALYSIS & DESIGN

SOLVED WITH MANNING'S EQUATION

8" PVC

CALCULATED WITH 250% SITE RUN-OFF
OPEN CHANNEL - UNIFORM FLOW

SOLVE FOR ACTUAL DEPTH

GIVEN INPUT DATA

DIAMETER	0.67 FT
SLOPE	0.005 FT/FT
MANNING'S n	0.011
DISCHARGE	1.66 CFS

COMPUTED RESULTS

DEPTH	5.2 IN
VELOCITY	7.1 FPS
FLOW AREA	0.24 SF
CRITICAL DEPTH	0.80 FT
CRITICAL SLOPE	0.013 FT/FT
PERCENT FULL	94.78 %
FULL CAPACITY	2.26 CFS
QMAX @ .94D	2.43 CFS
FROUDE NUMBER	2.04
*SLOPE MIN	= 0.014 %

NO.	DATE:	REVISION DESCRIPTION	REV. BY:
0	7-29-04	ISSUED FOR PERMITTING	CBR

INFILTRATION TRENCH NOTES CONSTRUCTION SPECIFICATIONS

TIMING

INFILTRATION TRENCH SHALL NOT BE CONSTRUCTED OR PLACED IN SERVICE UNTIL ALL UPSTREAM CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED AND APPROVED BY THE RESPONSIBLE INSPECTOR.

TRENCH PREPARATION

EXCAVATE THE TRENCH TO THE DESIGN DIMENSIONS. EXCAVATED MATERIALS SHALL BE PLACED AWAY FROM THE TRENCH SIDES TO AVOIDANCE TRENCH WALL STABILITY. ENSURE TREE ROOTS MUST BE TRIMMED FLUSH WITH THE TRENCH SIDES IN ORDER TO PREVENT FABRIC PUNCTURING OR TEARING DURING THE INSTALLATION PROCEDURE. THE SIDE WALL OF THE TRENCH SHALL BE STRAIGHT (NOT SHAPED OR REALED BY HEAVY EQUIPMENT.

FABRIC LAYDOWN

THE FILTER FABRIC ROLL MUST BE CUT TO THE PROPER WIDTH PRIOR TO INSTALLATION. THE TEST WIDTH MAY INCLUDE SUFFICIENT MATERIAL TO CONFORM TO TRENCH PERIMETER THIS WILL AVOID ANY FOR A TRENCH DIMENSION CHANGE AT ACROSS THE TRENCH. ROLLOUT OF THE TRENCH AND CAREFULLY SCRATCHED (CREASE) TO ALLOW PROPER FIT OF THE FABRIC BOTTOM AND SIDES. ANY SLACK OR OTHER UNDERLYING OBJECTS SHOULD BE PLACED ON THE TRENCH BOTTOM. ENSURE THAT THE TRENCH TO KEEP THE LINED TRENCH OPEN DURING BACKFILLING. ENSURE THAT THE FABRIC EXTENDS BETWEEN AND OVER THE APPROPRIATE ROLL WIDTHS AS A MINIMUM AT LEAST UNDER THE OVERFLOW INLET IN ORDER TO PROVIDE A SUFFICIENT EFFECTIVE OVERLAP OF ADJACENT FABRIC. CUT EXCESS SAND THAT THE FABRIC CONFORMS TO THE EXCAVATION TO ENSURE PROPER ADJACENT PLACEMENT AND CONTACT.

STONE AGGREGATE PLACEMENT AND COMPACTION

THE STONE AGGREGATE SHOULD BE PLACED IN LIFTS AND COMPACTED USING PLATE VIBRATORY OR A ROLL OF TRUCK. A MINIMUM OF TWO LIFTS ARE THE MINIMUM OF STRETCHES IS RECOMMENDED. THE CONSTRUCTION PROCEDURE FOLLOWED DURING CONSTRUCTION TO THE EXCAVATION SIDES THEREBY REDUCING THE POTENTIAL FOR SOIL PIPING, FABRIC CLOGGING AND BOTTOM COMPACTION.

OVERLAPPING AND COVERING

FOLLOWING THE STONE AGGREGATE PLACEMENT, THE FILTER FABRIC SHALL BE FOLLOWED OVER THE STONE AGGREGATE TO FORM A 6 IN MINIMUM OVERLAP. LAP, SEW OR GLUE AS FILL. SOIL OR STONE ADJACENT SHALL BE PLACED SO THAT THE LAP AT SEAM OR JOINT IS NOT IN THE LAP DURING SUBSEQUENT BACKFILLING.

CONTAMINATION

CARE SHOULD BE EXERCISED TO PREVENT MATERIAL OF FILL SOILS FROM INTERMIXING WITH THE STONE AGGREGATE. ALL CONTAMINATED STONE AGGREGATE SHALL BE REMOVED AND REPLACED WITH UNCONTAMINATED MATERIAL.

VOIDS BEHIND FABRIC

VOIDS SHALL BE CHECKED BETWEEN THE FABRIC AND EXCAVATION SIDES AND WALLS OR VOIDS. FOLLOWING INSTALLATION OF STONE AGGREGATE TO A FULL IN STONE SOURCES OF ALL VOIDS. NATURAL SOILS SHOULD BE PLACED IN VOIDS LARGER THAN STONE. CONSTRUCTION SHALL BE CHANGED TO ELIMINATE FABRIC CONFORMITY TO THE EXCAVATION SIDES. SOIL PIPING, FABRIC CLOGGING, AND POSSIBLE SURFACE SUBSIDENCE AS ARTIFACTS BY THESE CONDITIONS, PROVIDED.

UNDISTURBED SOILS MAY BE CARVED TO MAINTAIN TO ENSURE THAT THE SOIL MOISTURE IS NOT OBTAINED BY CONSTRUCTION EQUIPMENT. WHEN CONSTRUCTION IS NOT POSSIBLE, THE FABRIC SHALL BE LAID ALONG THE SIDE OF THE EXCAVATION TO MAINTAIN STABILITY. TEMPORARY, THE FABRIC SHALL BE REMOVED AND REPLACED AFTER BACKFILL.

VEGETATIVE BUFFER

A VEGETATIVE BUFFER OF AT LEAST 20 FEET (WIDE, IF POSSIBLE) SHALL BE USED TO IMPROVE THE OVERALL PERFORMANCE OF ALL INFILTRATION AREAS.

OBSERVATION WELL

AN OBSERVATION WELL AS SHOWN ON THE DETAIL SHALL BE INSTALLED IN EACH INFILTRATION TRENCH. THE WELL SHALL BE MONITORED ON A WEEKLY BASIS AND AFTER EVERY LARGE STORM. IF IT IS DETERMINED THAT A CLOGGED SITUATION EXISTS, THE FABRIC AT WHICH THE FACILITY DRAINS WITHIN 72HRS AND THE DEPTH OF WATER IN THE OBSERVATION WELL CHECK THE PERFORMANCE CHARACTERISTICS OF THE STRUCTURE AND RECOMMENDED THE APPROPRIATE CORRECTIVE ACTION TO BE TAKEN. UNLESS THE PERFORMANCE CHARACTERISTICS ARE MET, THE FACILITY SHOULD BE REPLACED.

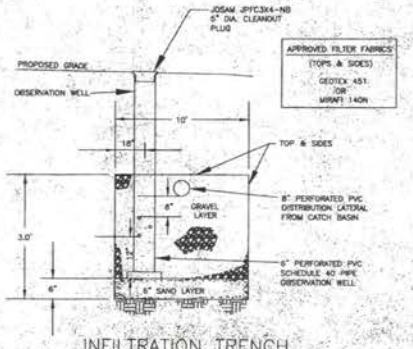
MAINTENANCE

INSPECTIONS SHOULD BE PERFORMED ON A REGULAR SCHEDULE OR AT LEAST TWICE A YEAR AND AFTER EVERY STORM EXCEEDING 1/2 INCH. ALTHOUGH IT IS RECOMMENDED THAT ALL INFILTRATION FACILITIES ARE SUBJECT TO REMOVE CLOGGING BY REMOVING OIL, GREASE, SOAP AND OTHER FLOATING MATERIALS AND CONDITION OF THESE STRUCTURES SHALL BE INSPECTED. OTHER CLEANING AND MAINTENANCE CONSTRUCTION SHALL BE PERFORMED AS ALL INFILTRATION STRUCTURES.

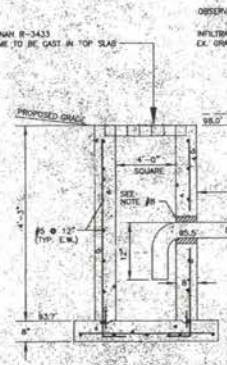
THE CONSTRUCTION WELL SHALL BE MONITORED PERIODICALLY FOR THE FIRST YEAR AFTER THE CONSTRUCTION TO DETERMINE THE WELL SHOULD BE MONITORED ON A MONTHLY BASIS AND AFTER EVERY LARGE STORM. IF IN THE OBSERVATION IT IS DETERMINED THAT A CLOGGED SITUATION EXISTS AT WHICH THE FACILITY DRAINS WITHIN 72HRS AND THE DEPTH OF WATER IN THE OBSERVATION WELL CHECK THE PERFORMANCE CHARACTERISTICS OF THE STRUCTURE AND RECOMMENDED THE APPROPRIATE CORRECTIVE ACTION TO BE TAKEN. UNLESS THE PERFORMANCE CHARACTERISTICS ARE MET, THE FACILITY SHOULD BE REPLACED.

INSPECTION SHOULD BE FOR THE PRESENCE OF OIL, GREASE, SOAP AND OTHER FLOATING MATERIALS AND CONDITION OF THE VEGETATIVE BUFFER. A MONITORING WELL SHOULD BE INSTALLED WITHIN THE TRENCH TO ENSURE PROPER DRAWDOWN OF THE STORED WATER. IF SEDIMENT DEPOSITION SHALL NOT BE ALLOWED TO BUILD UP TO THE POINT WHERE IT WILL PREVENT THE PETE OF WATER WITHIN INTO THE TRENCH.

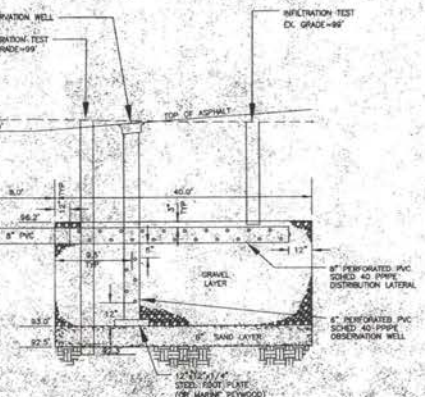




INFILTRATION TRENCH SECTION A
N.T.S.



CATCH BASIN
N.T.S.



INFILTRATION TRENCH SECTION A
N.T.S.

THE GENERAL LAYOUT OF THE SWM PIPING AND/OR PLUMBING SYSTEMS SHOWN ON THIS PLAN HAS BEEN REVIEWED FOR COMPLIANCE WITH THE APPLICABLE PROVISIONS OF THE D.C. CODE/INSTRUCTIONS AND IS HEREBY APPROVED FOR PERMIT.
SEP 13 2004

Xoom Mac
Zoning Review Branch
Zoning Division

NOTES

1. ALL PIPES TO BE SCHEDULE 40 OR SDR 35 PVC, UNLESS NOTED OTHERWISE.
2. PERFORATIONS TO BE 5/16" DIAMETER, 8" O/C, STAGGERED, THREE (3) ROWS.
3. FILTER CLOTH TO BE INSTALLED ON TOP AND SIDE OF TRENCH.
4. A 6" LAYER OF CLEAN, WASHED SAND SHOULD BE USED IN PLACE OF FABRIC ON THE BOTTOM OF THE TRENCH.
5. GRAVEL LAYER TO CONTAIN ASSHTO #3 DOUBLE WASHED STONE, CONCRETE AGGREGATE MOISTURE AS PER ASTM-C33.
6. GRAVEL STONE TO BE PLACED FROM A MAXIMUM HEIGHT OF 5 FEET OR LESS SO AS NOT TO DAMAGE FILTER FABRIC.
7. CONTRACTOR SHALL SUBMIT FOR APPROVAL "SUMP INLET"
8. AFTER INSERTION OF 8" PVC, CONTRACTOR SHALL PACK VOID BETWEEN PIPE & CATCH BASIN WALL WITH NON-SHRINK GROUT

GRAPHIC SCALE

G E & T CONSULTANTS, INC.
P.O. Box 2071
Columbia, Maryland 21045-1071
(Street) FAX: (410) 381-1064
FAX: (410) 381-5320
e-mail: gandtinc@yahoo.com

DISTRICT OF COLUMBIA
NOWID A. BEAUBRUN
No. 12398
REGISTERED PROFESSIONAL ENGINEER
7-29-04

STORMWATER MANAGEMENT NOTES & DETAILS
BROOKLAND UNION BAPTIST CHURCH
WASHINGTON, D. C.

SCALE:	1"=10'
DATE:	JULY 2004
DESIGN:	WBH
DRAWN:	CBR
CHECK:	WBH
REFERENCE:	

SHEET 3 OF 7

NOTES:

1. CONDUCT A PRE-CONSTRUCTION MEETING WITH THE SEDIMENT CONTROL INSPECTOR 48-HOURS PRIOR TO THE START OF CONSTRUCTION OR ANY LAND DISTURBING ACTIVITY. CALL 202-535-2977 FOR AN APPOINTMENT.
2. INSTALL SEDIMENT CONTROL MEASURES AS SHOWN ON THIS PLAN.
3. BEGIN ROUGH GRADING OPERATIONS TO BRING LOT TO GRADE.
4. BEGIN CONSTRUCTION INSTALLATION OF UNDERGROUND UTILITIES AND PROPOSED INFILTRATION TRENCH.
5. BEGIN FINAL GRADING OPERATIONS IN PREPARATION FOR PAVING.
6. COMPLETE CONSTRUCTION OF UNDERGROUND UTILITIES AND INFILTRATION TRENCH.
7. PAVE AND STRIPE PARKING LOT.

LEGEND

CONC - CONCRETE
PP - POWER POLE
WV - WATER VALVE
SS - SANITARY SEWER
SD - STORM DRAIN
LOD - LIMITS OF DISTURBANCE
SF - SILT FENCE
EXIST. OVERHEAD ELECTRIC LINE
EXIST. CHAIN LINK FENCE
CONTOURS
STABILIZED CONSTRUCTION ENTRANCE

JACKSON STREET

15' ALLEY

80.04'

135.00'

120.00'

59.90'

18.12'

14.16'

EXISTING FOUNDATION

"B.M." = NAIL ELEV.=100.00'

DEPARTMENT OF HEALTH
ENVIRONMENTAL HEALTH ADMINISTRATION
WATERSHED PROTECTION DIVISION

Sediment Control Approval

WPD File No. 04-1500

Notice: This Approval is for Grading and Stormwater Control Permit only. The applicant is required to construct sediment control devices as shown on these approved plans. The applicant must notify this office by phone (see bottom) at least 24 hours prior to the start of grading activity and within (2) weeks after completion of project to request final inspection. If changes are required, a revised plan must be submitted to this office for approval immediately.

This Project Drawing No. 2001-500-SSM

Approved By: [signature] Date: 09-03-04

GOVERNMENT OF THE DISTRICT OF COLUMBIA
Department of Health
ESA/WPD

Xeon Mac
Zoning Review Branch
Zoning Division

GRAPHIC SCALE

G E & T CONSULTANTS, INC.
P.O. Box 4971
Silver Spring, Maryland 20914-4971
Phone/FAX: (301) 593-1911
FAX: (410) 381-5564
Email: mail@gandtinc.com

DISTRICT OF COLUMBIA
ROBERT A. ABOUSSIE
No. 15474
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REVISION DESCRIPTION	BY
0	7-29-04	ISSUED FOR PERMITTING	CRR

REVISION BLOCK

SEDIMENT CONTROL PLAN
BROOKLAND UNION BAPTIST CHURCH
3191 14th ST. NE
WASHINGTON, D.C. 20017

SCALE: 1"=10'
DATE: JULY 2004
DESIGN: WRH
DRAWN: CRR
CHECKED: WRH
REFERENCE:

SHEET 4 OF 7

STANDARDS AND SPECIFICATIONS FOR VEGETATIVE STABILIZATION

TEMPORARY SEEDING

DEFINITION
PLANTING, SHORT-TERM VEGETATION ON CRITICAL AREAS.

PURPOSE
TO (TEMPORARILY STABILIZE THE SOIL TO REDUCE DAMAGES FROM SEDIMENT AND RUNOFF TO DOWNSTREAM AREAS; IMPROVE WILDLIFE HABITAT; ENHANCE NATURAL BEAUTY.

CONDITIONS WHERE PRACTICE APPLIES
GRADED OR CLEARED AREAS WHICH ARE SUBJECT TO EROSION FOR A PERIOD OF 14 DAYS OR MORE.

SPECIFICATIONS:
I. SITE PREPARATION:
A. PRIOR TO SEEDING, INSTALL NEEDED EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, BERMS, DIKES, GRASSED WATERWAYS, AND SEDIMENT BASINS.
B. FINAL GRADING AND SHAPING WAS USUALLY NOT BEEN COMPLETED FOR TEMPORARY

II. SOIL AMENDMENTS:
FOR TEMPORARY SEEDINGS, FERTILIZER SHALL BE APPLIED AT THE RATE OF 600 LBS/AC OR 15 LBS/1,000 S.F. USING-10-10-10 OR EQUIVALENT. SOILS WHICH ARE HIGHLY ACID SHOULD BE LIMED.

III. SEEDBED PREPARATION:
WHEN THE AREA TO BE SEEDED HAS BEEN RECENTLY LOOSENED TO THE EXTENT THAT AN ADEQUATE SEEDBED EXISTS, NO ADDITIONAL TREATMENT IS REQUIRED.

HOWEVER, WHEN THE AREA TO BE SEEDED IS PACKED, CRUSTED, AND HARD, THE TOP LAYER OF SOIL SHALL BE LOOSENED BY DISKING, RAKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

IV. SEEDING:
A. SELECT A MIXTURE FROM TABLE 50-1.
B. APPLY SEED UNIFORMLY WITH A CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER OR HYDROSEEDER (SLURRY INCLUDES SEED AND FERTILIZER).

V. MULCHING:
WHERE SEEDINGS ARE MADE ON CRITICAL SITES OR ADVERSE SOIL CONDITIONS, MULCH MATERIAL WILL BE APPLIED IMMEDIATELY AFTER SEEDING. SEEDINGS MADE DURING OPTIMUM SEEDING DATES AND WITH FAVORABLE SOILS ON VERY FLAT AREAS MAY NOT NEED TO BE MULCHED. MULCH MATERIALS ARE LISTED IN ORDER OF THEIR EFFECTIVENESS.

A. MATERIALS AND AMOUNTS:
1. MULCH MATTINGS – SUCH AS JUTE OR EXCELSIOR BLANKET SHALL BE STAPLED TO THE SURFACE IN WATERWAYS AND ON STEEP SLOPES. LIGHTER MATERIALS OF PAPER, PLASTIC AND COTTON MULCH MATTINGS MAY BE USED WHERE EROSION HAZARD IS NOT SEVERE. IF THE AREA IS TO BE MOWED, DO NOT USE METAL STAPLES.
2. STRAW – MATERIAL SHALL BE UNROTTED, SMALL GRAIN STRAW APPLIED AT THE RATE OF 1 1/2 TO 2 TONS PER ACRE (TWO BALES) PER 1,000 SF. MULCH MATERIALS SHALL BE RELATIVELY FREE OF ALL KINDS OF WEEDS AND SHALL BE FREE OF PROHIBITED NOXIOUS WEEDS SUCH AS: THISTLES, JOHNSONGRASS AND QUACKGRASS.

SPREAD UNIFORMLY BY HAND OR MECHANICALLY. FOR UNIFORM DISTRIBUTION OF HAND SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SF SECTION AND PLACE 70 +/- 90 LBS. OF MULCH IN EACH SECTION.

3. WOOD CHIPS – AT A RATE OF APPROXIMATELY 6 TONS PER ACRE OR 275 LBS PER 1,000 SF MAY BE USED WHEN AVAILABLE AND WHEN FEASIBLE TO USE.
4. WOOD CELLULOSE FIBER – MULCH AT THE RATE OF 1,500 POUNDS PER ACRE OR 35 POUNDS PER 1,000 SF MAY BE APPLIED BY HYDROSEEDING.

B. MULCH ANCHORING – SHALL BE ACCOMPLISHED IMMEDIATELY AFTER MULCH PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING METHODS (LISTED BY PREFERENCE), DEPENDING UPON SIZE OF AREA, EROSION HAZARD, AND COST, ON SLOPES MULCHED NOT MORE THAN 1 FOOT BELOW A LEVEL CONTOUR WHEREVER POSSIBLE, EXCEPT TRACKING SHOULD BE DONE UP AND DOWN THE SLOPE WITH 1 1/2 INCH CLEAT MARKS RUNNING ACROSS THE SLOPE.

1. MULCH ANCHORING TOOL AND TRACKING – A MULCH ANCHORING TOOL IS A TRACTOR DRAWN IMPLEMENT DESIGNED TO PUNCH AND ANCHOR MULCH INTO THE SURFACE 3 INCHES OR MORE. IT APPROACHES MAXIMUM EROSION CONTROL BUT IS LIMITED TO FLATTER SLOPES WHERE EQUIPMENT CAN OPERATE SAFELY. TRACKING IS PRIMARILY USED ON STEEP 3:1 OR STEEPER CUT AND FILL SLOPES TO CUT THE MULCH INTO THE SOIL WITH CLEATS OF BULLDOZER TRACKS.
2. MULCH NETTINGS – STAPLE LIGHTWEIGHT BIODEGRADABLE PAPER, PLASTIC OR COTTON NETTINGS OVER THE MULCH ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. NETTING IS USUALLY AVAILABLE IN ROLLS 4-FEET WIDE AND UP TO 300 FEET LONG.
3. LIQUID MULCH BINDERS – APPLICATION OF LIQUID BINDERS SHOULD BE HEAVIER AT EDGES WHERE WIND CATCHES MULCH, IN VALLEYS, AND AT CRESTS OF BANKS. REMAINDER OF AREA SHOULD BE UNIFORM IN APPEARANCE. CAUTION SHOULD BE USED WITH ASPHALT IN RESIDENTIAL AND SIMILAR AREAS.
   a. CUTBACK ASPHALT – RAPID CURING (RC-70, RC-250 AND RC-800) OR MEDIUM CURING (MC-70, MC-250 AND MC-800). APPLY 2 GALLONS PER 1,000 SF OR 218 GALLONS PER ACRE ON FLAT AREAS, AND ON SLOPES LESS THAN 8 FEET HIGH. ON SLOPES 8 FEET HIGHER, USE 3 GALLONS PER 1,000 SQUARE FEET OR 348 GALLONS PER ACRE.
   b. EMULSIFIED ASPHALT – (SS-1; CSS-1; CMS-2, MS-2, RS-1, RS-2, CRS-1 AND CRS-2). APPLY 3 GALLONS PER 1,000 SF OR 218 GALLONS PER ACRE ON FLAT AREAS AND ON SLOPES LESS THAN 8 FEET HIGH. ON SLOPES 8 FEET OR MORE HIGH, USE 5 GALLONS PER 1,000 SF OR 348 GALLONS PER ACRE.
   ALL ASPHALT DESIGNATIONS ARE FROM THE ASPHALT INSTITUTE SPECIFICATIONS.
   c. SYNTHETIC BINDERS – SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (NON-TAC), DCA-70, PETROSET OR TERRA TACK MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER. ANCHOR MULCH MATERIAL.
4. WOOD CELLULOSE FIBER – WOOD CELLULOSE FIBER MAY BE USED FOR ANCHORING STRAW. THE FIBER BINDER SHALL BE APPLIED AT A NET DRY WEIGHT OF 750 POUNDS/ACRE. THE WOOD CELLULOSE FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 POUNDS OF WOOD FIBER PER 100 GALLONS.
5. PEG AND TWINE – DRIVE 8 TO 10 INCH WOODEN PEGS TO WITHIN 2 TO 3 INCHES OF THE SOIL SURFACE EVERY 4-FEET IN ALL DIRECTIONS. STAKES MAY BE DRIVEN BEFORE OR AFTER APPLYING MULCH. SECURE MULCH TO STAKES BY STRETCHING TWINE BETWEEN PEGS IN A CRISSCROSS WITHIN A SQUARE PATTERN. SECURE TWINE AROUND EACH PEG WITH TWO OR MORE TURNS.

NOTE: ALL NAMES GIVEN ABOVE ARE REGISTERED TRADE NAMES. THIS DOES NOT CONSTITUTE A RECOMMENDATION OF THESE PRODUCTS TO THE EXCLUSION OF OTHER PRODUCTS.

TABLE 50-1

SPECIES 1/ CHOOSE ONE	SEEDING RATE:	PLANTING DEPTH 2/:	SEEDING DATES 3/																	
			LOCATION																	
			1/1-4/30	5/1-5/15	5/16-7/31	8/1-8/15	8/16-9/30	10/1-10/31	11/1-11/30	12/1-12/31	1/1-2/28	3/1-3/15	3/16-4/30	5/1-5/15	5/16-7/31	8/1-8/15	8/16-9/30	10/1-10/31	11/1-11/30	12/1-12/31
	PER AC.	LBS/1,000	PLATEAUS					SLOPES												
BARLEY	2-1/2 BU	2.5	1 TO 2			BY 9/15														
OATS	3 BU	2.7	1 TO 2																	
RYE	2-1/2 BU	3.2	1 TO 2																	
ITALIAN OR PERENNIAL RYEGRASS	40 LBS	1.0	1/4 TO 1/2			BY 9/15														
MILLET, FOXTAIL	40 LBS	1.0	1/4 TO 1/2																	
SUDANGRASS 4/	40 LBS	1.0	1/4 TO 1/2																	

1/ USE ONLY ON MIDSUMMER SEED STALLS AND VOLUNTEER GROWTH ARE ACCEPTABLE
2/ APPLICABLE ON SLOPES 3:1 OR LESS.
3/ SEE TABLE 50-2 FOR SPECIFIC TOLERANCES FOR PLANTING. USE COATED SEED WHEN AVAILABLE.
4/ USE COMMON BERMUDAGRASS (HULLED ONLY). DO NOT USE HYBRIDS.
5/ WHEN SEEDING DATES ARE BEYOND RECOMMENDED DATES, INCREASE RATE BY 50% TO OFFSET REDUCED GERMINATION AND INCREASED SEEDLING MORTALITY.
6/ SEEDINGS MADE BETWEEN 11/1 AND 3/15 SHOULD BE MULCHED TO LIFE THE SEEDING RATE OF ANY SPECIES USED FOR SEEDINGS MADE DURING THIS PERIOD.
7/ APPLICABLE DURING ENTIRE PERIOD
8/ NOT APPLICABLE ON THIS PROJECT

PERMANENT SEEDING

DEFINITION
PLANTING VEGETATION SUCH AS GRASSES AND LEGUMES ON CRITICAL AREAS.

PURPOSE
TO STABILIZE THE SOIL, TO REDUCE DAMAGES FROM SEDIMENT AND RUNOFF TO DOWNSTREAM AREAS; IMPROVE WILDLIFE HABITAT; ENHANCE NATURAL BEAUTY.

CONDITIONS WHERE PRACTICE APPLIES
GRADED OR CLEARED AREAS SUBJECT TO EROSION AND WHERE A PERMANENT, LONG-LIVED VEGETATIVE COVER IS NEEDED.

SPECIFICATIONS:
VEGETATION CANNOT BE EXPECTED TO PROVIDE AN EROSION CONTROL COVER AND PREVENT SOIL SURPASE ON A SOIL THAT IS NOT STABLE DUE TO ITS TEXTURE, STRUCTURE, WATER MOVEMENT OR EXCESSIVELY STEEP SLOPE.

MINIMUM SOIL CONDITIONS NEEDED FOR THE ESTABLISHMENT AND MAINTENANCE OF A LONG-LIVED VEGETATIVE COVER:

A. ENOUGH FINE-GRAINED MATERIALS (OVER 30 PERCENT SILT PLUS CLAY) TO PROVIDE THE CAPACITY TO HOLD AT LEAST A MODERATE AMOUNT OF AVAILABLE MOISTURE. A NOTICEABLE EXCEPTION WOULD BE PLANTING LOVEGRASS AND SERICEA LESPEDEZA WHICH CAN BE PLANTED ON A SANDY SOIL.
B. SUFFICIENT PORE SPACE TO PERMIT ADEQUATE ROOT PENETRATION.
C. THE SOIL SHALL BE FREE FROM ANY MATERIAL HARMFUL TO PLANT GROWTH.
D. IF THESE CONDITIONS CANNOT BE MET, SEE SPECIFICATION, TOPSOILING (57.01)

I. SITE PREPARATION:
A. INSTALL NEEDED EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIKES, CONTOUR RIPPING, EROSION STOPS, CHANNEL LINERS, SEDIMENT BASINS, OR OTHER PRACTICES.
B. CARRY OUT NEEDED AND FEASIBLE TO PERMIT INCLUSE OF CONVENTIONAL EQUIPMENT FOR SEEDBED PREPARATION, SEEDING, MULCH APPLICATION ANCHORING AND MAINTENANCE.

II. SOIL PREPARATION:
FLAT AREAS AND SLOPES UP TO 3:1 GRADE SHALL BE LOOSE AND FRIABLE TO A DEPTH OF AT LEAST 3 INCHES. THE TOP LAYER OF SOIL SHALL BE LOOSENED BY RAKING DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

SLOPES STEEPER THAN 3:1 SHALL HAVE THE TOP 1-3 INCHES OF SOIL LOOSE AND FRIABLE BEFORE SEEDING.

III. SOILS AMENDMENTS:
LIME AND FERTILIZE ACCORDING TO SOIL TESTS. LIME AND FERTILIZER NEEDS CAN BE DETERMINED BY A SOIL TESTING LABORATORY, SUCH AS THE UNIVERSITY OF MARYLAND SOIL TESTING LABORATORY.

IN LIEU OF SOIL TESTS RESULTS, APPLY TWO TONS DOLOMITIC LIMESTONE PER ACRE AND ONE OF THE FOLLOWING RATES OF FERTILIZER: 1,000 LBS 10-10-10 OR EQUIVALENT PER ACRE AND 600 LBS IN AT LEAST 30-0-0 PER ACRE. APPLY LIMESTONE AND FERTILIZER BEFORE SEEDING AND HARROW OR DISK UNIFORMLY INTO THE SOIL TO A MINIMUM DEPTH OF 3 INCHES ON SLOPES FLATTER THAN 3:1 OR SLOPES STEEPER THAN 3:1 SHALL BE TRACKED. THE LIME AND FERTILIZER SHALL BE WORKED AS NEARLY PARALLEL TO SLOPING LAND, THE FINAL HARROWING OR DISKING OPERATION SHOULD BE ON THE CONTOUR WHENEVER FEASIBLE. ATTEMPT SHOULD BE MADE TO DRAG ANY DISKED AREA TO MAKE THE SOIL SURFACE SMOOTH AFTER DISKING.

NOTE: THE SLOW RELEASE UREAFORM FERTILIZER WILL SUPPLY NITROGEN OVER A LONGER PERIOD OF TIME.

IV. SEEDING:
A. SELECT A MIXTURE FROM TABLE 51-1.
B. APPLY SEED UNIFORMLY WITH A CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER OR HYDROSEEDER (SLURRY INCLUDES SEED AND FERTILIZER) ON A FIRM, MOIST SEEDBED. MAXIMUM SEEDING DEPTH SHOULD BE ____ INCHES ON CLAYEY SOILS AND ____ INCHES ON SANDY SOILS, WHEN USING OTHER THAN HYDROSEEDER METHOD OF APPLICATION.

NOTE: IF HYDROSEEDING IS USED AND THE SEED AND FERTILIZER IS MIXED, THEY WILL BE MIXED ON SITE AND THE SEEDING SHALL BE IMMEDIATE WITHOUT INTERRUPTION.

V. MULCHING:
MULCH MATERIALS ARE LISTED IN ORDER OF THEIR EFFECTIVENESS. MULCH MATTINGS ARE NORMALLY ONLY USED ON DITCHES, AREAS SUCH AS WATERWAYS OR STEEP SLOPES.

A. MATERIALS AND AMOUNTS
1. MULCH MATTINGS – SUCH AS JUTE OR EXCELSIOR BLANKET SHALL SHALL BE STAPLED TO THE SURFACE IN WATERWAYS AND ON STEEP SLOPES. LIGHTER MATERIALS OF PAPER, PLASTIC AND COTTON MULCH MATTINGS MAY BE USED WHERE EROSION HAZARD IS NOT SEVERE. IF THE AREA IS TO BE MOWED, DO NOT USE METAL STAPLES.
2. STRAW – STRAW SHALL BE UNROTTED SMALL GRAIN APPLIED AT THE RATE OF 1-1/2 TO 2 TONS PER ACRE OR 70 TO 90 LBS (TWO BALES) PER 1,000 SQUARE FOOT. MULCH MATERIALS SHALL BE RELATIVELY FREE OF ALL KINDS OF WEEDS AND SHALL BE FREE OF PROHIBITED NOXIOUS WEEDS SUCH AS: THISTLES, JOHNSONGRASS AND QUACKGRASS.

SPREAD UNIFORMLY BY HAND OR MECHANICALLY. FOR UNIFORM DISTRIBUTION OF HAND SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SF SECTION AND PLACE 70 TO 90 LBS. OF MULCH IN EACH SECTION.

3. WOOD CHIPS – AT A RATE OF APPROXIMATELY 6 TONS PER ACRE OR 275 LBS PER 1,000 SF MAY BE USED WHEN AVAILABLE AND WHEN FEASIBLE TO USE. WOOD CHIPS ARE PARTICULARLY WELL SUITED FOR UTILITY AND ROAD RIGHT-OF-WAYS. IF WOOD CHIPS ARE USED, INCREASE THE APPLICATION RATE OF NITROGEN FERTILIZER BY 20 LBS (200 LBS-10-10-10 OR 68 LBS 30-0-0).
4. WOOD CELLULOSE FIBER – MULCH AT THE RATE OF 1,500 LBS PER ACRE OR 35 LBS PER 1,000 PER 1,000 SF MAY BE APPLIED BY HYDROSEEDING.

B. MULCH ANCHORING – SHALL BE ACCOMPLISHED IMMEDIATELY AFTER MULCH PLACEMENT TO MINIMIZE LOSS BY WIND OR WATER. THIS MAY BE DONE BY ONE OF THE FOLLOWING METHODS (LISTED BY PREFERENCE), DEPENDING UPON SIZE OF AREA, EROSION HAZARD, AND COST, ON SLOPES LAND MULCHED NOT MORE THAN 1 FOOT BELOW A LEVEL CONTOUR WHEREVER POSSIBLE, EXCEPT TRACKING SHOULD BE DONE UP AND DOWN THE SLOPE WITH 1 1/2 INCH CLEAT MARKS RUNNING ACROSS THE SLOPE.

1. MULCH ANCHORING TOOL AND TRACKING – A MULCH-ANCHORING TOOL IS A TRACTOR DRAWN IMPLEMENT DESIGNED TO PUNCH-AND ANCHOR MULCH INTO THE SURFACE 3 INCHES OR MORE. IT APPROACHES MAXIMUM EROSION CONTROL BUT IS LIMITED TO FLATTER SLOPES WHERE EQUIPMENT CAN OPERATE SAFELY. "TRACKING" IS PRIMARILY USED ON 3:1 OR STEEPER CUT AND FILL SLOPES TO CUT THE MULCH INTO THE SOIL BY USING 1 1/2 TRACK CLEATS OF A BULLDOZER MAKING GROVES ACROSS THE SLOPE.
2. MULCH NETTINGS – STAPLE LIGHTWEIGHT BIODEGRADABLE PAPER, PLASTIC OR COTTON NETTINGS OVER THE MULCH ACCORDING TO MANUFACTURER'S RECOMMENDATIONS. NETTING IS USUALLY AVAILABLE IN ROLLS 4-FEET WIDE AND UP TO 300 FEET LONG.
3. LIQUID MULCH BINDERS – APPLICATIONS OF LIQUID BINDERS SHOULD BE HEAVIER AT EDGES WHERE WIND CATCHES MULCH, IN VALLEYS, AND AT CRESTS OF BANKS. REMAINDER OF AREA SHOULD BE UNIFORM IN APPEARANCE. CAUTION SHOULD BE USED WITH ASPHALT IN RESIDENTIAL AND SIMILAR AREAS.
   a. CUTBACK ASPHALT – RAPID CURING (RC-70, RC-250 AND RC-800) OR MEDIUM CURING (MC-70, MC-250 AND MC-800). APPLY 2 GALLONS PER 1,000 SF OR 218 GALLONS PER ACRE ON FLAT AREAS, AND ON SLOPES LESS THAN 8 FEET HIGH. ON SLOPES 8 FEET HIGHER, USE 3 GALLONS PER 1,000 SQUARE FEET OR 348 GALLONS PER ACRE.
   b. EMULSIFIED ASPHALT – (SS-1; CSS-1; CMS-2, MS-2, RS-1, RS-2, CRS-1 AND CRS-2). APPLY 3 GALLONS PER 1,000 SF OR 218 GALLONS PER ACRE ON FLAT AREAS AND ON SLOPES LESS THAN 8 FEET HIGH. ON SLOPES 8 FEET OR MORE HIGH, USE 5 GALLONS PER 1,000 SF OR 348 GALLONS PER ACRE.
   ALL ASPHALT DESIGNATIONS ARE FROM THE ASPHALT INSTITUTE SPECIFICATIONS.
   c. SYNTHETIC BINDERS – SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (NON-TAC), DCA-70, PETROSET OR TERRA TACK MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER. ANCHOR MULCH MATERIAL.
4. WOOD CELLULOSE FIBER – WOOD CELLULOSE FIBER MAY BE USED FOR ANCHORING STRAW. THE FIBER BINDER SHALL BE APPLIED AT A NET DRY WEIGHT OF 750 POUNDS/ACRE. THE WOOD CELLULOSE FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 LBS OF WOOD CELLULOSE FIBER PER 100 GALLONS.
5. PEG AND TWINE – DRIVE 8 TO 10 INCH WOODEN PEGS TO WITHIN 2 TO 3 INCHES OF THE SOIL SURFACE EVERY 4-FEET IN ALL DIRECTIONS. STAKES MAY BE DRIVEN BEFORE OR AFTER APPLYING MULCH. SECURE MULCH TO STAKES BY STRETCHING TWINE BETWEEN PEGS IN A CRISSCROSS WITHIN A SQUARE PATTERN. SECURE TWINE AROUND EACH PEG WITH TWO OR MORE TURNS.

NOTE: ALL NAMES GIVEN ABOVE ARE REGISTERED TRADE NAMES. THIS DOES NOT CONSTITUTE A RECOMMENDATION OF THESE PRODUCTS TO THE EXCLUSION OF OTHER PRODUCTS.

VI. IRRIGATION
IF SOIL MOISTURE IS DEFICIENT, SUPPLY NEW SEEDINGS WITH ADEQUATE WATER FOR PLANT GROWTH UNTIL GROWTH IS WELL ESTABLISHED. IF FEASIBLE, SCHEDULE SEEDINGS SO THAT MAJOR ESTABLISHMENT ARE MADE LATE IN THE PLANTING SEASON, IN ABNORMALLY DRY OR DRY SEASONS, OR ON DROUGHTY SITES.

VII. MAINTENANCE:
MAINTENANCE IS A VITAL FACTOR IN MAINTAINING AN ADEQUATE VEGETATIVE EROSION CONTROL COVER.
A. INSPECTION OF SOIL MOISTURE SEEDINGS DEFICIENT; IRRIGATE TO PREVENT LOSS OF STAND OF PROTECTIVE VEGETATION, IF FEASIBLE.
B. REPAIRS – INSPECT ALL SEEDED AREAS FOR FAILURES AND MAKE NECESSARY REPAIRS, REPLACEMENTS, AND RESEEDINGS WITHIN THE PLANTING SEASON, IF POSSIBLE.
   1. IF STAND IS INADEQUATE FOR EROSION CONTROL, OVERSEED AND FERTILIZE USING HALF OF THE RATES ORIGINALLY APPLIED.
   2. IF STAND IS OVER 60% DAMAGED, RESTABLISH FOLLOWING ORIGINAL LIME, FERTILIZER, SEEDBED PREPARATION AND SEEDING RECOMMENDATIONS.

REFERENCES
1. LAWN CARE IN MARYLAND, BULLETIN 171, COOPERATIVE EXTENSION SERVICE, UNIVERSITY OF MARYLAND, COLLEGE PARK, MARYLAND.
2. MARYLAND AGRONOMY MEMO #72.
3. MARYLAND HIGHWAY ADMINISTRATION SPECIFICATIONS FOR MATERIALS.
4. USDA – SOIL CONSERVATION SERVICE FIELD OFFICE TECHNICAL GUIDES.

NOTE: MARYLAND DEPARTMENT OF WATER RESOURCES HAS DEVELOPED AN AUDIOVISUAL TRAINING PROGRAM, "PLANT MATERIALS AND VEGETATIVE SOIL STABILIZATION" WHICH RELATES TO THIS PRACTICE.

TABLE 51-1

SPECIES	SEEDING RATE PER ACRE	SEEDING DATES																		
		LOCATION																		
		1/1-4/30	5/1-5/15	5/16-7/31	8/1-8/15	8/16-9/30	10/1-10/31	11/1-11/30	12/1-12/31	1/1-2/28	3/1-3/15	3/16-4/30	5/1-5/15	5/16-7/31	8/1-8/15	8/16-9/30	10/1-10/31	11/1-11/30	12/1-12/31
		PLATEAUS					SLOPES													
KENTUCKY BLUEGRASS	50 LBS																			
CREEPING RED FESCUE	40 LBS																			
TALL FESCUE	40 LBS																			
PERENNIAL RYEGRASS	40 LBS																			
ANNUAL RYEGRASS	40 LBS																			
WEEPING LOVEGRASS	5 LBS																			
SERICEA LESPEDEZA	50 LBS																			
ANNUAL LESPEDEZA	40 LBS																			
BIRDSFOOT TREFOIL	20 LBS																			
CROWNVETCH	15 LBS																			
SMOOTH BROMEGRASS	35 LBS																			
ORCHARDGRASS	25 LBS																			
ALFALFA	25 LBS																			
RED TOP	6 LBS																			
SUDANGRASS	40 LBS																			

SEE APPENDIX FOR MIXTURES

FOOTNOTES: TABLE 51-1
PERMANENT SEEDINGS AND SEEDING DATES
(a) USE WEEPING LOVEGRASS TO PROVIDE A STAND OF GRASS FOR EROSION CONTROL DURING THE SUMMER.
(b) USE HULLED SEED.
(c) PREFERABLE TO SEED IN FALL WITH SEED FROM CURRENT YEAR'S CROP.
(d) MIXTURES 1, 3, 4, 5, 6, 7, 9, 10, 12, 13 AND 14 MAY BE SEEDED DURING WINTER MONTHS IN AN EMERGENCY IF 2 TONS PER ACRE OF WELL-ANCHORED MULCH IS USED.
(e) APPROVED STATE HIGHWAY ADMINISTRATION MIXTURES.
(f) CAN BE SEEDED DURING THIS PERIOD IF IRRIGATION WATER IS USED. USE 2 TONS PER ACRE OF WELL-ANCHORED STRAW MULCH.
(g) CAN BE 10% KENTUCKY BLUEGRASS. (MD AGRON MEMO #72)
(i) LEGUMINOUS SEEDS: ALL LEGUMINOUS SEEDS SHALL BE INOCULATED OR TREATED WITH UNEXPIRED APPROVED CULTURE FOR THE PRECEDING LEGUME IN THE PROPER PROPORTIONS AS SPECIFIED ON THE PACKAGE LABEL. THE INOCULANT SHALL BE STORED AS ROOM TEMPERATURES, OUT OF DIRECT SUNLIGHT AND AWAY FROM HEATING UNITS. WHEN SEEDING DRY WITH MECHANICAL SEEDERS, THE FOLLOWING METHOD OF MIXING THE INOCULANT WITH THE SEED SHALL BE FOLLOWED. THE CULTURE IN POWDER FORM IS PREFERRED AND SHALL BE THOROUGHLY MIXED WITH THE SEED BY USING A VERY SMALL QUANTITY OF WATER, JUST ENOUGH TO DAMPEN THE SEEDS BEFORE THE CULTURE IS POWDERED ON THE CULTURE IS POWDERED ON THE LEGUMINOUS SEED IS THEN MIXED WITH THE OTHER SEEDS OF THE FORMULA. SEEDS INOCULATED WITH THE POWDER SHALL BE SOWN WITHIN 48 HOURS AFTER TREATMENT. SEEDS INOCULATED WITH THE LIQUID CULTURE SHALL BE SOWN WITHIN 24 HOURS AFTER TREATMENT. SEEDS INOCULATED SEED NOT USED WITHIN THESE TIME PERIODS SHALL BE REINOCULATED. INOCULANT AND SEED TREATED WITH INOCULANT SHALL NOT BE EXPOSED TO SUNLIGHT FOR MORE THAN ONE HOUR PRIOR TO SEEDING. WHEN SEED IS APPLIED BY HYDRAULIC SEEDERS, 10 TIMES THE QUANTITY OF INOCULANT RECOMMENDED FOR DRAY LEGUMINOUS SEED APPLICATION SHALL BE USED. INOCULATED SEED SHALL NOT BE HELD IN A SLURRY WITH FERTILIZER FOR MORE THAN ONE HOUR, OTHERWISE REINOCULATION WILL BE REQUIRED BEFORE APPLYING THE SEED.

NOTES: (1) SCIENTIFIC NAMES OF THESE PLANTS ARE IN APPENDIX B-1.02.

Zoan Hsu
Zoning Review Branch
Zoning Division

GRAPHIC SCALE

NO.	DATE:	REVISION DESCRIPTION	BY
	7-29-94	ISSUED FOR PERMITTING	
		REVISION BLOCK	

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SEDIMENT CONTROL NOTES
BROOKLAND UNION BAPTIST CHURCH
3102 14th ST, NE
WASHINGTON, D.C. 20017

SCALE: 1" = 40'
DATE: JULY 2004
DRAWN: MRS
CHECKED: MRS
APPROVED:

SHEET 8 OF 22

SOD

DEFINITION
STABILIZING SEDIMENT PRODUCING AREAS BYESTABLISHING LONG-TERM STANDS OF GRASS WITH SOD.

PURPOSE
TO STABILIZE THE SOIL; REDUCE DAMAGE FROM SEDIMENT AND RUNOF TO DOWNSTREAM AREAS; ENHANCE NATURAL BEAUTY.

CONDITIONS WHERE PRACTICE APPLIES
ON EXPOSED SOILS WHERE A QUICK VEGETATIVE COVER IS DESIRED; ON SITES WHICH CAN BE MAINTAINED WITH GROUND EQUIPMENT (2:1 OR FLATTER SLOPES).

SPECIFICATIONS
1. CLASS OF TURFGRASS SOD SHALL BE MARYLAND OR VIRGINIA STATE CERTIFIED, OR MARYLAND OR VIRGINIA STATE APPROVED SOD.
2. SOD SHALL BE MACHINE CUT AT A UNIFORM SOIL THICKNESS OF 2 INCHES, PLUS OR MINUS 1 INCH, AT THE TIME OF CUTTING. MEASUREMENT FOR THICKNESS SHALL EXCLUDE TOP GROWTH AND THATCH.
3. STANDARD SIZE SECTIONS OF SOD SHALL BE STRONG ENOUGH TO SUPPORT THEIR OWN WEIGHT AND RETAIN THEIR SIZE AND SHAPE WHEN SUSPENDED VERICALLY WITH A FIRM GRASP ON THE UPPER 10% OF THE SECTION.
4. INDIVIDUAL PIECES OF SOD SHAL BE CUT TO THE SUPLIERS WIDTH AND LENTH. MAXIMUM ALLOWABLE DEVIATION FROM STANDARD WIDTHS AND LENGTHS SHALL BE 5%. BROKEN PADS AND TORN OR UNEVEN ENDS WILL NOT BE ACCEPTABLE.
5. SOD SHALL NOT BE HARVESTED OR TRANSPLANTED WHEN MOISTURE CONTENT (EXCESSIVELY DRY OR WET) MAY ADVERSELY AFFECT ITS SURVIVAL.
6. SOD SHALL BE HARVESTED, DELIVERED AND INSTALLED WITHIN A PERIOD OF 36 HOURS. SOD NOT TRANSPLANTED WITHIN THIS PERIOD SHALL BE INSPECTED AND APPROVED PRIOR TO ITS INSTALLATION.

I. SITE PREPARATION

FERTILIZER AND LIME APPLICATION RATES SHALL BE DETERMINED BY SOIL TESTS. UNDER UNUSUAL CIRCUMSTANCES WHERE THERE IS INSUFFICIENT TIME FOR A COMPLETE SOIL TEST, FERTILIZER AND LIME MATERIAL MAY BE APPLIED IN AMOUNTS SHOWN UNDER B, BELOW.

A. PRIOR TO SODDING, THE SURFACE SHALL BE CLEARED OF ALL TRASH DEBRIS, AND OF ALL ROOTS, BRUSH, WIRE, GADE, STAKES AND OTHER OBJECTS THAT WOULD INTERFERE WITH PLANTING, FERTILIZING OR MAINTENANCE OPERATIONS.
B. WHERE THE SOIL IS ADIS OR COMPOSED OF HEAVY CLAYS, GROUND LIMESTONE SHALL BE SPREAD AT THE RATE OF 2 TONS/ACRE OR 100 LBS/1,000 SF OF 10-10-10 FERTILIZER OR EQUIVALENT SHALL BE UNIFORMLY APPLIED AND MIXED INTO THE TOP 3 INCHES OF SOIL WITH THE REQUIRED LIME.
C. ALL AREAS RECEIVING SOD SHALL BE UNIFORMLY FINE GRADED. HARD-PACKED EARTH SHALL BE SCARIFIED PRIOR TO PLACEMENT OF SOD.

II. SOD INSTALLATION

A. DURING PERIODS OF EXCESSIVELY HIGH TEMPERATURE THE SOIL SHALL BE LIGHTLY IRRIGATED IMMEDIATELY PRIOR TO LAYING THE SOD.
B. THE FIRST ROW OF SOD SHALL BE LAID IN A STRAIGHT LINE WITH SUBSEQUENT ROWS PLACED PARRALEL TO THE TIGHTLY WEDGED AGAINST EACH OTHER. LATERAL JOINTS SHALL BE STAGGERED TO PROMOTE MORE UNIFORM GROWTH AND STRENGTH. INSURE THAT SOD IS NOT STRETCHED OR OVERLAPPED AND THAT ALL JOINTS ARE BUTTED TIGHT IN ORDER TO PREVENT VOIDS WHICH WOULD CAUSE AIR DRYING OF THE ROOTS.
C. ON SLOPING AREAS WHERE EROSION MAY BE A PROBLEM, SOD SHALL BE LAID WITH THE LONG EDGES PARALLEL TO THE CONTOUR AND WITH STAGGERED JOINTS. SECURE THE SOD BY TAMPING AND PEGGING OR OTHER APPROVED METHODS.
D. AS SODDING IS COMPLETED IN ANY ONE ECTION, THE ENTIRE AREA SHALL BE ROLLED OR TAMPED TO INSURE SOLID CONTACT OF ROOTS WITH THE SOIL SURFACE. SOD SHALL BE WATERED IMMEDIATELY AFTER ROLLING OR TAMPING UNTIL THE UNDERSIDE OF THE NEW SOD PAD AND SOIL SURFACE BELOW THE SOD ARE THOROUGHLY WET. THE OPERATIONS OF LAYING, TAMPING AND IRRIGATING FOR ANY PIECE OF SOD SHALL BE COMPLETED WITHIN EIGHT HOURS.

III. SOD MAINTENANCE

A. IN THE ABSENCE OF ADEQUATE RAINFALL, WATERING SHALL BE PERFORMED DAILY OR AS OFTEN AS NECESSAY DURING THE FIRST WEK AND IN SUFFICIENT QUANTITIES TO MAINTAIN MOIST SOIL TO A DEPTH OF 4 INCHES. WATERING SHOULD BE DONE DURING THE HEAT OF THE DAY TO PREVENT WILTING.
B. AFTER THE FIRST WEEK, SOD SHALL BE WATERED AS NECESSARY TO MAINTAIN ADEQUATE MOISTURE AND INSURE ESTABLISHMENT.
C. FIRST MOWING SHOULD NOT BE ATTEMPTED UNTIL SOD IS FIRMLY ROOTED. NO MORE THAN 1/3 OF THE GRASS LEAF SHALL BE REMOVED BY THE INITIAL CUTTING OR SUBSEQUENT CUTTINGS. GRASS HEIGHT SHALL BE MAINTAINED BETWEEN 2 AND 3 INCHES UNLESS OTHERWISE SPECIFIED.
D. MAINTENANCE OF ESTABLISHED SOD SHOULD FOLLOW SPECIFICATIONS OUTLINE IN TABLE 54-1.

REFERENCES
1. GUIDELINE SPECIFICATIONS, SOIL PREPARATION AND SODDING, MD-VA PUB. #1 COOPERATIVE EXTENSION SERVICE, UNIVERSITY OF MARYLAND-VIRGINIA POLYTECHNIC INSTITUTE. REVISED 1973.
2. GUIDELINE SPECIFICATIONS FOR SODDING. AMERICAN SOD PRODUCERS ASSOCIATION, INC., NEW BRUNSWICK, N.J.
3. USDA, SOIL CONSERVATION SERVICE FILED OFFICE TECHNICAL GUIDES.

NOTE: MARYLAND WATER RESOURCES ADMINISTRATION HAS DEVELOPED AND AUDIOVISUAL TRAINING PROGRAM, "VEGETATIVE SOIL STABILIZATION", WHICH RELATES TO THIS SUBJECT.

TABLE 54-1

SEEDING MIXTURE	FERTILIZER	LIMING RATE	APPLICATION DATES	SEED	MULCHING
60 LB. TALL FESCUE KENTUCKY BLUEGRASS RED FESCUE	600 LBS.	2 TONS	MARCH 1 TO MAY 15 AUGUST 15 TO OCTOBER 15		
60 LB. TALL FESCUE KENTUCKY BLUEGRASS RED FESCUE	600 LBS.	2 TONS	MARCH 1 TO MAY 15 AUGUST 15 TO OCTOBER 15		

SOD MIXTURE	FERTILIZER	LIMING RATE	APPLICATION DATES	SOD	MULCHING
KENTUCKY BLUEGRASS RED FESCUE	600 LBS.	2 TONS	ANYTIME	1 TON	

* OBSERVATION AND/OR SOIL TESTS MAY BE APPLIED WITH OTHER FORMULATIONS.

Xuan Mac
Zoning Review Branch
Zoning Division

GRAPHIC SCALE

NO.	DATE	REVISION DESCRIPTION
1	7-29-99	ISSUED FOR PERMITTING

REVISION BLOCK

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Columbia, Maryland 21045-1111
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DISTRICT OF COLUMBIA REGISTERED PROFESSIONAL ENGINEER

SEDIMENT CONTROL NOTES II

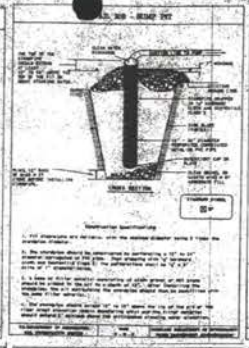
BROOKLAND UNION BAPTIST CHURCH

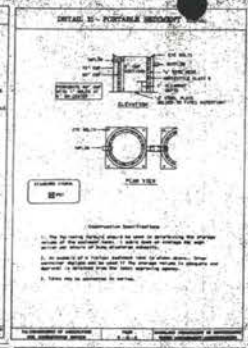
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WASHINGTON, D.C. 20017

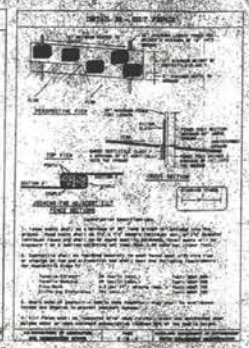
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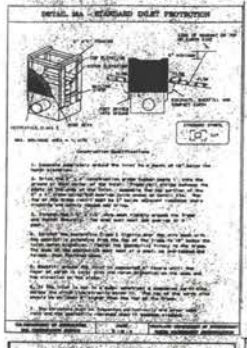
SHEET 6 of 7

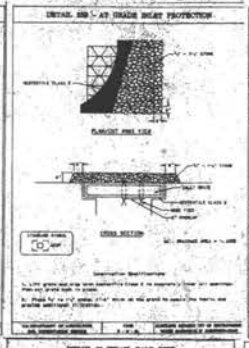


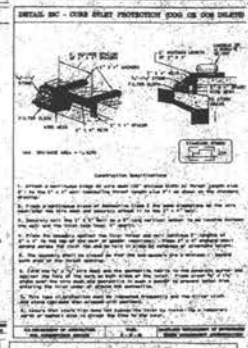


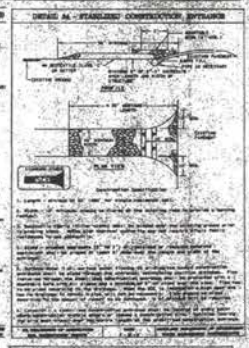


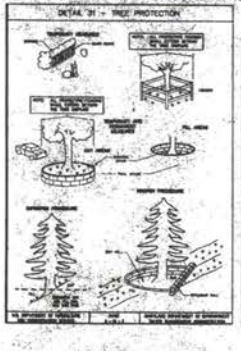


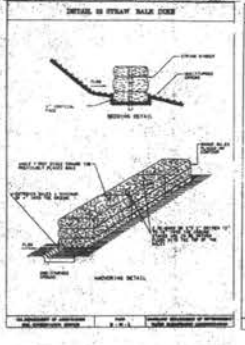


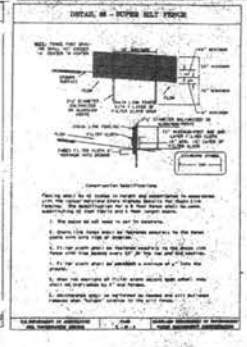


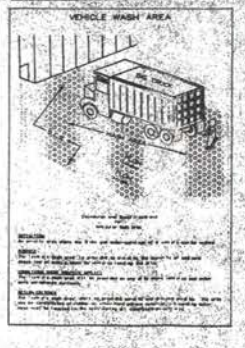














"EROSION AND SEDIMENT CONTROL NOTES"

1. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSTALLED BEFORE THE START OF ANY EXCAVATION AND/OR CONSTRUCTION AS PER STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR THE DISTRICT OF COLUMBIA. IF, AN ON - SITE INSPECTION REVEALS FURTHER EROSION CONTROL MEASURES ARE NECESSARY, THE SAME SHALL BE PROVIDED.

2. ALL SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN CONFORMANCE WITH THE MOST RECENT EDITION OF THE D.C. EROSION AND SEDIMENT CONTROL HANDBOOK.

3. PERIODIC INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL STRUCTURES MUST BE PROVIDED TO INSURE INTENDED PURPOSE IS ACCOMPLISHED. THE SEDIMENT CONTROL INSPECTOR REPRESENTING THE DISTRICT OF COLUMBIA SHALL MAINTAIN THE AUTHORITY TO REQUIRE ADDITIONAL SEDIMENT CONTROL MEASURES AS NECESSARY TO PREVENT THE INTRUSION OF SEDIMENT INTO STORM DRAIN SYSTEMS OR PUBLIC SPACE.

4. ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS WILL BE PROTECTED TO PREVENT TRACKING OF MUD ONTO PUBLIC WAYS. A VEHICLE WASH AREA SHALL BE PROVIDED ON-SITE. THE AREA MAY BE CONSTRUCTED OF RUBBLE OR OTHER HARD POROUS MATERIALS. A WORKING WATER HOSE MUST BE LOCATED IN THE AREA DURING ALL CONSTRUCTION ACTIVITY.

5. SILT REMOVED FROM TRAPS SHALL BE PLACED AND STABILIZED ON DESIGNATED AREAS ON-SITE, IN SUCH A MANNER THAT IT DOES NOT FOUL EXISTING OR PROPOSED STORM DRAINAGE SYSTEMS OR AREAS ALREADY STABILIZED.

6. ALL WATER PUMPED FROM EXCAVATION DURING CONSTRUCTION SHALL BE PUMPED EITHER TO A SEDIMENT TANK AND/OR A SEDIMENT TRAP. WHEN A SEDIMENT TRAP/SEDIMENT TANK HAS REACHED 50% CAPACITY, THE CLEAN OUT OF SAME IS REQUIRED. NO WATER WILL BE PUMPED TO THE STORM DRAIN SYSTEM WITHOUT THE CONSENT OF THE SEDIMENT CONTROL INSPECTOR.

7. ALL WATER DISCHARED FROM THE SEDIMENT TANKS OR PUMPED FROM THE SITE MUST BE CLEAN AND FREE OF SEDIMENT.

8. ALL DEBRIS IS TO BE REMOVED FROM SITE.

9. ALLEY AND/OR STREETS/SIDEWALKS SHAL BE SWEPT CLEAN AT ALL TIMES DURING EXCAVATION AND CONSTRUCTION.

10. ALL CATCH BASINS AND DRAIN AREAS SHALL BE PROTECTED DURING EXCAVATIONS AND CONSTRUCTION.

11. IF ANY CATCH BASIN OR DRAIN BECOMES CLOGGED AS A RESULT OF EXCAVATION OR CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ITS CLEANING.

12. ANY STOCKPILING, REGARDLESS OF LOCATION, SHALL BE STABILIZED AND COVERED WITH PLASTIC OR CANVAS AFTER ITS ESTABLISHMENT AND FOR THE DURATION OF THE PROJECT.

13. AFTER A RAZE OR DEMOLITION, THERE IS THE NEED FOR GROUND COVER SUCH AS SEED, SOD, PAVEMENT, BRICKBAT, OR MULCH TO PREVENT EROSION AND SEDIMENT RUNOFF FROM OCCURING.

"CONSTRUCTION NARRATIVE"

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF THE CONSTRUCTION OF A TEMPORARY PARKING LOT ON AN EXISTING VACANT LOT LOCATED AT 3101 14th STREET, N.E., WASHINGTON, D.C.
DISTURBED AREA FOR THIS SITE=10,618.79 SF
PROPOSED EARTHWORK QUANTITIES ARE: CUT=55 CUBIC YARDS, FILL=10 CUBIC YARDS. EXCESS CUT TO BE DISPOSED OF NORTH OF PAVED PARKING AREA & SEEDED.

EXISTING SITE CONDITIONS

THIS PROPERTY IS A VACANT LOT MOSTLY USED AS LAWN AREA.

ADJACENT AREAS

THIS NEIGHBORHOOD CAN BE CHARACTERIZED AS BEING A RESIDENTIAL AREA. THIS PARTICULAR LOT IS BOUNDED ON THE NORTH BY JACKSON STREET, ON THE WEST AND SOUTH BY A 15' PUBLIC ALLEY AND ON THE EAST BY RESIDENCES.

OFF - SITE AREAS

THERE IS NO ANTICIPATED NEED FOR A SPOIL SITE.

SOILS

ON - SITE SOILS ARE CLASSIFIED AS MAN-PLACED FILL WITH LOW PERMEABILITY.

CRITICAL AREAS

NONE EXIST ON THIS SITE.

SEDIMENT CONTROL MEASURES

SEE SHEETS 5, 4, 5, & & 7 OF 7 FOR ALL SEDIMENT CONTROL INFORMATION, DETAILS, SPECIFICATIONS, ETC. SILT FENCE, INLET PROTECTION, AND STABILIZED CONSTRUCTION ENTRANCE PRACTICES WILL SERVE TO PROVIDE MOST OF THE NECESSARY SEDIMENT CONTROL FOR THIS SITE.

PERMANENT STABILIZATION

THE SITE SHALL BE PERMANENTLY STABILIZED IN ACCORDANCE WITH D.C. STANDARDS AS PROVIDED FOR ON SHEET 5.

STORMWATER MANAGEMENT CONSIDERATIONS

STORMWATER QUALITY CONTROL WILL BE PROVIDED FOR THIS SITE BY AN INFILTRATION TRENCH. ALL IMPERVIOUS AREAS WILL BE DIRECTED TOWARDS THE CATCH BASIN. DETAILS, COMPUTATIONS & SPECIFICATIONS ARE PROVIDED ON SHEETS 3 THRU 7.

Zoning Review Branch
Zoning Division

GRAPHIC SCALE

NO.	DATE	REVISION DESCRIPTION	BY
0	7-25-04	ISSUED FOR PERMITTING	CBP

REVISION - BLOCK

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SEDIMENT CONTROL DETAILS

BROOKLAND UNION BAPTIST CHURCH
3101 14th ST, NE
WASHINGTON, D.C. 20017

SCALE:	AS NOTED
DATE:	JULY 2004
DESIGNED:	CBP
DRAWN:	CBP
CHECKED:	CBP

SHEET 7 OF 7