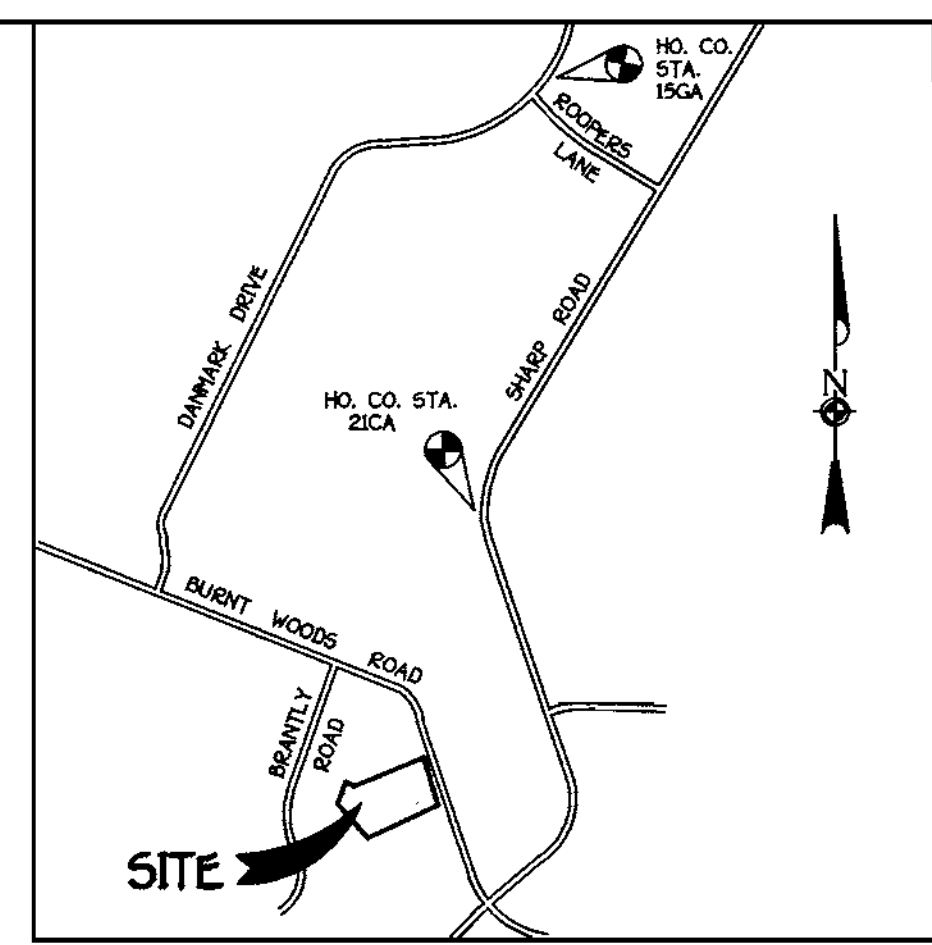


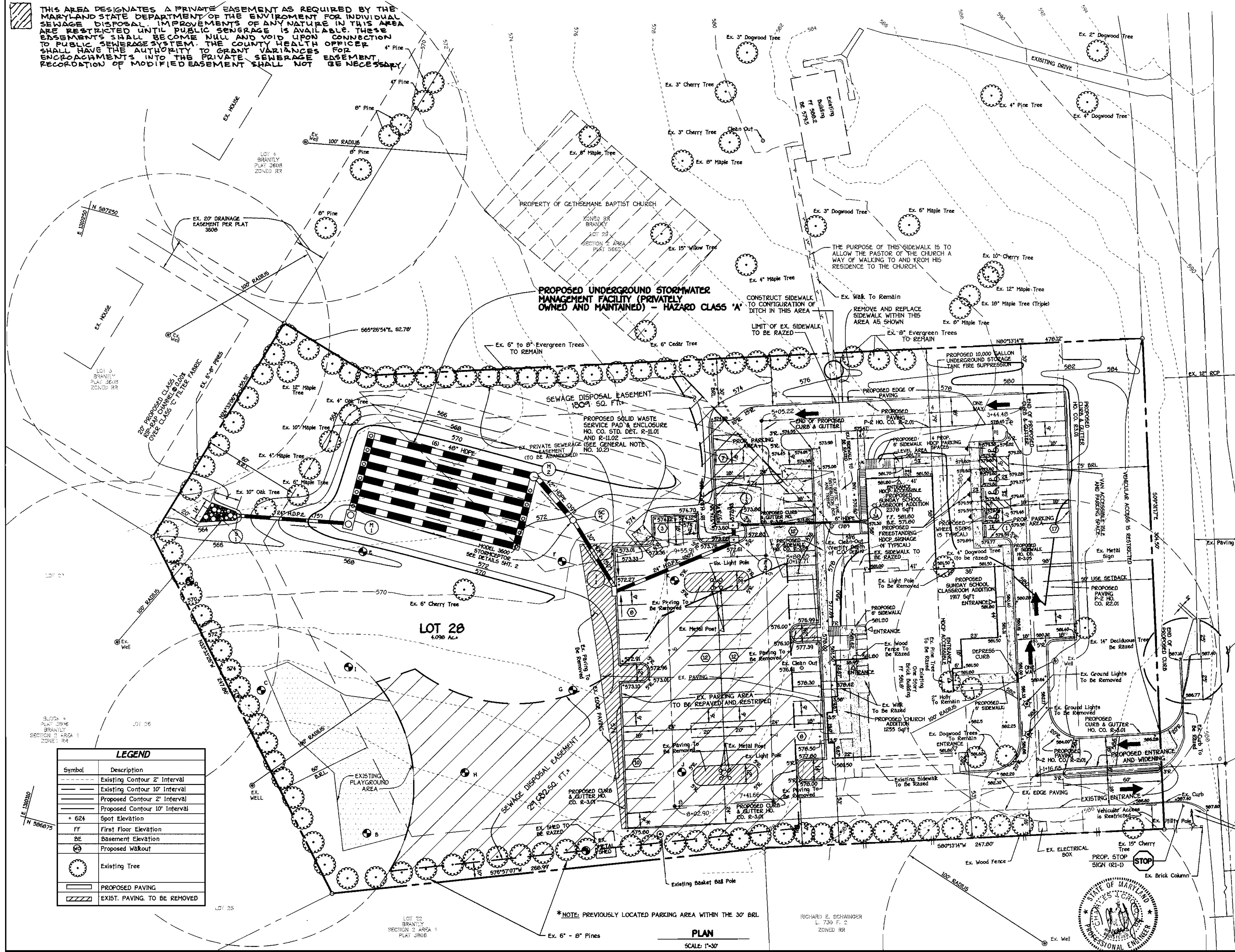
THIS AREA DESIGNATES A PRIVATE EASEMENT AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES ENCROACHMENTS INTO THE PRIVATE SEWERAGE EASEMENT RECORDATION OF MODIFIED EASEMENT SHALL NOT BE NECESSARY.



GENERAL NOTES

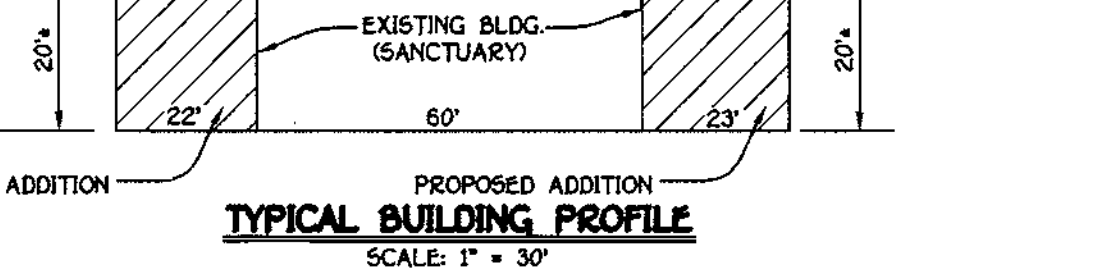
- THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION INSPECTION DIVISION AT (410) 313-1800 AT LEAST (5) FIVE WORKING DAYS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY "M&E UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
- THIS PROJECT IS SUBJECT TO HOWARD COUNTY FILES: SDP 04-281, BA 03-33 E, F 77-104, BA 99-49 E, VP 03-75, F 04-24 & F 00-185.
- BOUNDARY AND TOPOGRAPHIC SURVEY PERFORMED BY: FISHER COLLINS AND CARTER, INC. ON OR ABOUT JANUARY, 1999.
- HORIZONTAL AND VERTICAL CONTROL DATUM IS BASED ON HOWARD COUNTY GEODETIC CONTROL STATIONS:
HOWARD COUNTY MONUMENT 15CA N 591743.47 ELEV. = 586.36
HOWARD COUNTY MONUMENT 21CA E 132790.70 ELEV. = 613.27
HOWARD COUNTY MONUMENT 22CA E 131267.70 ELEV. = 613.27
- ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
- SITE ANALYSIS DATA:
A. TOTAL PROJECT AREA: 4.090 AC.
B. AREA OF PLAN SUBMISSION: 4.090 AC.
C. LIMIT OF DISTURBED AREA: 2.492 AC.
D. PRESENT USE: RELIGIOUS FACILITY, OFFICES AND SUNDAY SCHOOL CLASSROOMS
E. PROPOSED USE: RELIGIOUS FACILITY AND SUNDAY SCHOOL CLASSROOM EXPANSIONS
F. NUMBER OF PARKING SPACES REQUIRED:
1. RELIGIOUS FACILITY (EXISTING) 204 EXISTING SEATS = 60 SPACES
2. SUNDAY SCHOOL CLASSROOMS (EXISTING) N/A (CLASSES OPERATE DURING RELIGIOUS SERVICES AND SHARE EXISTING PARKING)
TOTAL NO. OF SPACES (EXISTING) = 60 SPACES
3. RELIGIOUS FACILITY (PROPOSED) & EXISTING
TOTAL = 2,322 SQ. FT. / 1/3 SEATS = 280 PROPOSED SEATS = 94 SPACES
4. SUNDAY SCHOOL CLASSROOMS (PROPOSED) N/A (CLASSES OPERATE DURING RELIGIOUS SERVICES AND SHARE EXISTING PARKING)
5. TOTAL NO. OF SPACES REQUIRED = 94 SPACES
6. TOTAL NO. OF SPACES PROVIDED = 94 SPACES (INCLUDES 4 HDCP ACCESSIBLE)
G. NUMBER OF PARKING SPACES PROVIDED: 94
90 STANDARD SPACES / 4 HDCP ACCESSIBLE
8. 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 LANDSCAPING WILL BE POSTED AS PART OF THE DEVELOPER'S AGREEMENT IN THE AMOUNT OF \$7,560.00.
9. ALL EXISTING AND PROPOSED LIGHTING WILL BE WALL MOUNTED OR POLE MOUNTED IN THE PARKING AREAS AND DIRECTED DOWNWARD AND INWARD FROM ALL ADJACENT PROPERTIES (SECTION 15M OF THE ZONING REGULATIONS).
10. THIS PLAN IS SUBJECT TO THE FIVE CONDITIONS AS APPROVED BY BA 99-49 E. THESE FIVE (5) CONDITIONS OF APPROVAL ARE AS FOLLOWS:
1. THE SPECIAL EXCEPTION SHALL APPLY TO THE CONSTRUCTION OF ADDITIONS TO THE REAR AND NORTH SIDE OF THE EXISTING BUILDING AND THE IMPROVEMENT AND ENLARGEMENT OF PARKING ON THE SITE TO PROVIDE 94 PARKING SPACES AS PHASE 1 OF CONSTRUCTION AND THE ADDITION TO THE FRONT OF THE BUILDING AS PHASE 2 OF CONSTRUCTION, AS DEPICTED ON THE SPECIAL EXCEPTION PLAN DATED APRIL, 1999, OR AS MAY BE SUBSTITUTED BY THE BOARD OF APPEALS. PHASE 1 MAY BE INITIATED UPON THE COMPLETION OF SITE PLAN AND BUILDING PERMIT REQUIREMENTS AND A BUILDING PERMIT MUST BE ISSUED WITHIN TWO YEARS AND SUBSTANTIAL CONSTRUCTION MUST BE COMPLETED WITHIN THREE YEARS. A BUILDING PERMIT FOR PHASE 2 MUST BE OBTAINED BY JANUARY 1, 2005, AND SUBSTANTIAL CONSTRUCTION COMPLETED BY JANUARY 1, 2006.
2. A WOOD AND/OR MASONRY ENCLOSURE SHALL BE CONSTRUCTED TO SHIELD THE TRASH DUMPSTER FROM VIEW. THE PERMITTEE SHALL AMEND THE SPECIAL EXCEPTION PLAN TO ILLUSTRATE THE PROPOSED LOCATION OF THE DUMPSTER ENCLOSURE. THE ENCLOSURE SHALL COMPLY WITH ALL APPLICABLE SETBACKS.
3. THE METAL STORAGE SHED SHALL BE RELOCATED TO COMPLY WITH THE REQUIRED 30 FOOT SIDE YARD SETBACK.
4. ALL EXTERIOR LIGHTING SHALL COMPLY WITH SECTION 15M OF THE ZONING REGULATIONS.
5. EXISTING PLANTINGS SHALL BE MAINTAINED, IF AND WHERE NECESSARY, TO COMPLY WITH THE REQUIREMENTS OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS.
11. THERE IS NO FLOODPLAIN ON-SITE.
12. THIS SITE WILL UTILIZE PRIVATE WATER AND SEWER.
13. THERE ARE NO WETLANDS LOCATED ON-SITE AS PER THE ACCOMPANYING REPORT PREPARED BY ECO-SCIENCE INC., DATED FEBRUARY 29, 2000.
14. THE STORMWATER MANAGEMENT FACILITY SHALL BE PRIVATELY OWNED AND MAINTAINED. THIS FACILITY WILL PROVIDE WATER QUANTITY MANAGEMENT. A STORMCEPTOR WILL BE USED TO PROVIDE WATER QUALITY MANAGEMENT.
15. FORESIGHT CONSERVATION OBLIGATIONS WILL BE MET BY FILING OF A DECLARATION OF INTENT FOR CLEARING LESS THAN 40,000 SQ. FT. OF FOREST ON A SINGLE LOT.
16. THERE ARE NO CEMETERIES ON SITE OR ON ANY ADJOINING PROPERTIES.
17. REFER TO THE HOWARD COUNTY WORK ZONE TRAFFIC CONTROL MANUAL FOR SHOULDER CONSTRUCTION.
18. [Symbol] - DENOTES NEW SEWAGE DISPOSAL AREA.
19. THE MAXIMUM DESIGN DAILY SEWAGE FLOWS FOR THIS PROJECT WILL BE 2100 G.P.D.
20. SEPTIC SYSTEM PLANS TO BE SUBMITTED TO HEALTH DEPT. AREA TO OBTAIN PERMIT APPROVAL.

BURNT WOODS ROAD
(90' R/W)
(MAJOR COLLECTOR)



LEGEND

Symbol	Description
---	Existing Contour 2' Interval
---	Existing Contour 10' Interval
---	Proposed Contour 2' Interval
---	Proposed Contour 10' Interval
• 624	Spot Elevation
FF	First Floor Elevation
BE	Basement Elevation
⊙	Proposed Walkout
⊙	Existing Tree
▭	PROPOSED PAVING
▨	EXIST. PAVING TO BE REMOVED



SHEET INDEX

SHEET NO.	DESCRIPTION
1 OF 5	SITE DEVELOPMENT PLAN
2 OF 5	DETAIL SHEET
3 OF 5	S.W.M. NOTES AND DETAILS
4 OF 5	DETAIL SHEET
5 OF 5	DRAINAGE AREA MAP, LANDSCAPE AND SEDIMENT CONTROL PLAN

STREET ADDRESS CHART

LOT NO.	STREET ADDRESS
28	14135 BURNT WOODS ROAD

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTRAL OFFICE: PARK PLACE - 10772 BALTIMORE NATIONAL PIKE
ELLSWORTH CITY, MARYLAND 21042
410-481-2055

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PRIVATE WATER AND SEWERAGE SYSTEMS.

Dina M. Miller 8/25/00
HEALTH OFFICER DATE

DATE DESCRIPTION REVISION

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 Howard Soil Conservation District.

Cheryl 8/21/00
Signature of Engineer (Print name below signature) DATE

DEVELOPER'S CERTIFICATE

I/we 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 Howard Soil Conservation District.

J. Bruce Anole 6-30-00
Signature of Developer (Print name below signature) DATE

Reviewed for HOWARD SCD and meets Technical Requirements.

Cheryl Simmons 8/30/00
U.S.D.A.-Natural Resources Conservation Service Date

This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.

John R. Koltracht 8/30/00
HOWARD SCD Date

OWNER/DEVELOPER

GETHSEMANE BAPTIST CHURCH
14135 BURNT WOODS ROAD
GLENWOOD, MARYLAND 21730

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Richard Blund 9/1/00
Chief, Division of Land Development Date

John R. Koltracht 8/21/00
Chief, Development Engineering Division CE Date

John R. Koltracht 8/11/00
Director, Department of Planning and Zoning Date

PROJECT	SECTION/AREA	LOT NO.
BRANTLY - GETHSEMANE BAPTIST CHURCH	2/1	28

PLAT #s	BLOCK NO.	ZONE	TAX/ZONE	ELEC. DIST.	CENSUS TR.
14392 and 5662	5	RR	21	4TH	6040

WATER CODE	SEWER CODE
PRIVATE	PRIVATE

SITE DEVELOPMENT PLAN

GETHSEMANE BAPTIST CHURCH
BRANTLY
(LOT 28)

SECTION 2 AREA 1
TAX MAP NO: 21 PARCEL: 105
4TH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: JUNE, 2000
SHEET 1 OF 5

STANDARDS AND SPECIFICATIONS FOR VEGETATIVE STABILIZATION

Using vegetation as cover for barren soil to protect it from erosion. Vegetative stabilization techniques are used to promote the establishment and growth of vegetation on exposed soil. When soil is stabilized with vegetation, the soil is less likely to erode and more likely to allow infiltration of rainfall, thereby reducing sediment loads and runoff to downstream areas, and improving wildlife habitat and visual resources.

VEGETATION ESTABLISHMENT PRACTICES

This practice shall be used on denuded areas as specified on the plan and may be used on highly erodible or critically eroding areas. This practice is divided into Temporary Seeding, to quickly stabilize vegetative cover for short duration (up to one year), and Permanent Seeding, for long term vegetative cover. Examples of applicable areas for Temporary Seeding are: temporary soil stockpiles, cleared areas left after construction phases, eroded ditches, etc. and for Permanent Seeding are: bars, ditches, cut and filled areas and other final grade areas and eroding areas, etc.

- #### EFFECTS ON WATER QUALITY AND QUANTITY
- Planting vegetation in disturbed areas will have an effect on the water budget, especially on volumes and rates of runoff. Infiltration, evapotranspiration, retention and groundwater recharge. Vegetation over time will increase organic matter content and improve the water holding capacity of the soil and subsequent plant growth.
- #### SEED SPECIFICATIONS
- Seeds must be uniform in size, color, and shape. Seeds must be clean, free of mold, and free of insect damage. Seeds must be of the correct species and variety. Seeds must be of the correct size and shape for the species.

- #### SEEDING METHODS AND MATERIALS
1. Broadcast Seeding: Seed shall be broadcast uniformly over the area to be seeded. 2. Strip Seeding: Seed shall be applied in narrow strips along the contour of the slope. 3. Contour Seeding: Seed shall be applied in narrow strips along the contour of the slope.

- #### SEEDING RATE
- Seeding rate shall be determined by soil type, slope, and species. 1. Seed Mixture: Shall be determined by soil type and slope. 2. Seeding Rate: Shall be determined by soil type and slope.

- #### FERTILIZER AND SOIL AMENDMENTS
1. Fertilizer: Shall be applied in accordance with manufacturer's instructions. 2. Soil Amendments: Shall be applied in accordance with manufacturer's instructions.

- #### MULCHING
- Mulch shall be applied to stabilize soil and retain moisture. 1. Type: Shall be determined by soil type and slope. 2. Application: Shall be applied in accordance with manufacturer's instructions.

- #### EROSION CONTROL
1. Sediment Control: Shall be installed in accordance with manufacturer's instructions. 2. Erosion Control: Shall be installed in accordance with manufacturer's instructions.

SEEDING 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 (312-9955).
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.
3. FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE OF TEMPORARY OR PERMANENT STABILIZATION SHALL BE COMPLETED WITHIN 30 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES.
4. ALL SEDIMENT TRAPS/BASINS SHALL BE FENCED AND MARKED. SIGNS POSITIVE ABOUT THESE PRACTICES IN ACCORDANCE WITH VOL. I, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE. DISTURBED AREAS MUST BE STABILIZED AS SOON AS POSSIBLE IN THE SPRING OR EARLY FALL.
5. SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SEC. 20), SOIL SEC. 24, TEMPORARY SEEDING (SEC. 50), AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECEIVING 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 EROSION CONTROL INSPECTOR.
7. SITE ANALYSIS: TOTAL AREA OF SITE: 4,000 ACRES; AREA DESTABILIZED: 1,500 ACRES; AREA TO BE RECOVERED OR PAVED: 1,200 ACRES; AREA TO BE VEGETATIVELY STABILIZED: 3,000 ACRES; TOTAL CUT: 3,000 CUBIC YARDS; TOTAL FILL: 3,000 CUBIC YARDS.

- #### TEMPORARY SEEDING
1. Select one or more of the species or mixtures listed in Table 26 for the appropriate Plant Hardness Zone (from Figure 5) and enter them in the Temporary Seeding Summary below, along with application rates, seeding dates and seeding depths. If this summary is not put on the plan, the rates shown on this table shall be deleted and the rates recommended by the testing agency shall be written in. Soil tests are not required for Temporary Seeding.
- | Seed Mixture (Hardness Zone) | From Table 26 | Fertilizer Rate | Line Rate |
|------------------------------|---------------|---------------------------|---------------|
| No. | Species | Application Rate (lb/a/c) | Seeding Dates |
| | | | Seeding Depth |
2. For areas receiving low maintenance, apply ureiform fertilizer (46-00-00) at 1 1/2 lb/1000 sq. ft. (50 lb/bac) in addition to the above soil amendments shown in the table below. To be performed at the time of seeding.

- #### PERMANENT SEEDING
1. Select one or more of the species or mixtures listed in Table 25 for the appropriate Plant Hardness Zone (from Figure 5) and enter them in the Permanent Seeding Summary below, along with application rates and seeding depths. If this summary is not put on the plan, the rates shown on this table shall be deleted and the rates recommended by the testing agency shall be written in. Soil tests are not required for Permanent Seeding.
- | Seed Mixture (Hardness Zone) | From Table 25 | Fertilizer Rate | Line Rate |
|------------------------------|---------------|---------------------------|---------------|
| No. | Species | Application Rate (lb/a/c) | Seeding Dates |
| | | | Seeding Depth |

- #### SEED MIXTURES AND APPLICATION RATES
- Table 25: Permanent Seeding. Table 26: Temporary Seeding. Includes species like Fescue, Ryegrass, and Sorghum with application rates.

- #### SEEDING DEPTH AND DATE
1. Seeding depth shall be 1/2 inch for annual grasses and 1 inch for legumes. 2. Seeding dates shall be determined by soil type and slope.

- #### SEEDING MATERIALS
1. Seed: Shall be of the correct species and variety. 2. Fertilizer: Shall be applied in accordance with manufacturer's instructions.

- #### SEEDING METHODS
1. Broadcast: Shall be used on flat areas. 2. Strip: Shall be used on slopes. 3. Contour: Shall be used on steep slopes.

- #### SEEDING RATES
1. Seed rate shall be determined by soil type and slope. 2. Fertilizer rate shall be determined by soil type and slope.

VEGETATION - Annual grass or grain used to provide cover on disturbed areas for up to 12 months. For longer duration of vegetative cover, Permanent Seeding is required.

SEEDING SUMMARY

Species	Application Rate (lb/a/c)	Seeding Dates	Seeding Depth
BAGLYE OR RYE PLUS FOXTAIL MILLET	150 lb/a/c	3/15 - 10/31	1"
FESCUE	150 lb/a/c	3/15 - 6/1	1"
PERENNIAL RYEGRASS (300)	150 lb/a/c	3/15 - 6/1	1"
KENTUCKY BLUEGRASS (50)	150 lb/a/c	3/15 - 6/1	1"
HARD FESCUE (200)	150 lb/a/c	3/15 - 6/1	1"

TEMPORARY SEEDING NOTES

1. APPLY TO GRADES OR CLEARED AREAS LIKELY TO BE REDISTURBED UNDER A SHORT-TERM VEGETATIVE COVER IS NEEDED.
2. SEEDING PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAISING, DISING OR COVERED ACCEPTABLE MEANS BEFORE SEEDING. IT NOT PREVIOUSLY LOOSENED.
3. SOIL AMENDMENTS: APPLY 500 LBS. PER ACRE 10-10-10 FERTILIZER (4 LBS./1,000 SQ.FT.)
4. SEEDING: APPLY 1.2 TONS PER ACRE (1200 LBS./1,000 SQ.FT.) OF UNFILLED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHORING TOE OR ZIP GALLONS PER ACRE (200 GAL/1,000 SQ.FT.) OF ENHANCED ASPHALT ON FLAT AREAS OF FLAT AREAS OF FLAT AREAS OF FLAT AREAS.
5. MULCHING: APPLY 2 TONS PER ACRE (2000 LBS./1,000 SQ.FT.) OF UNFILLED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING.
6. REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHOD NOT COVERED.

- #### SEEDING DEPTH
- Seeding depth shall be 1/2 inch for annual grasses and 1 inch for legumes.
- #### SEEDING DATE
- Seeding dates shall be determined by soil type and slope.
- #### SEEDING RATE
- Seeding rate shall be determined by soil type and slope.

- #### SEEDING METHODS
1. Broadcast: Shall be used on flat areas. 2. Strip: Shall be used on slopes. 3. Contour: Shall be used on steep slopes.
- #### SEEDING RATES
1. Seed rate shall be determined by soil type and slope. 2. Fertilizer rate shall be determined by soil type and slope.

- #### SEEDING MATERIALS
1. Seed: Shall be of the correct species and variety. 2. Fertilizer: Shall be applied in accordance with manufacturer's instructions.
- #### SEEDING METHODS
1. Broadcast: Shall be used on flat areas. 2. Strip: Shall be used on slopes. 3. Contour: Shall be used on steep slopes.

- #### SEEDING RATES
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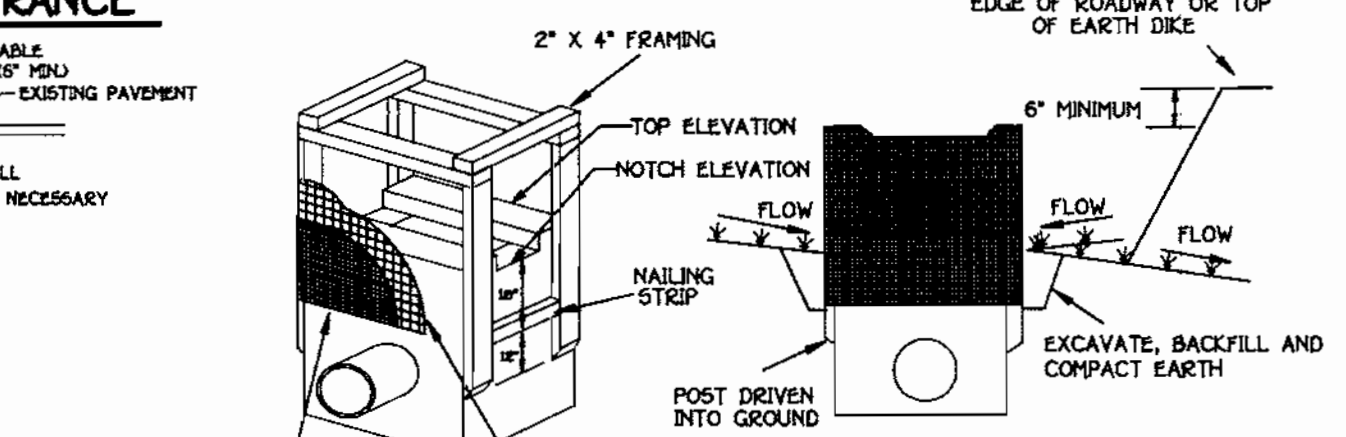
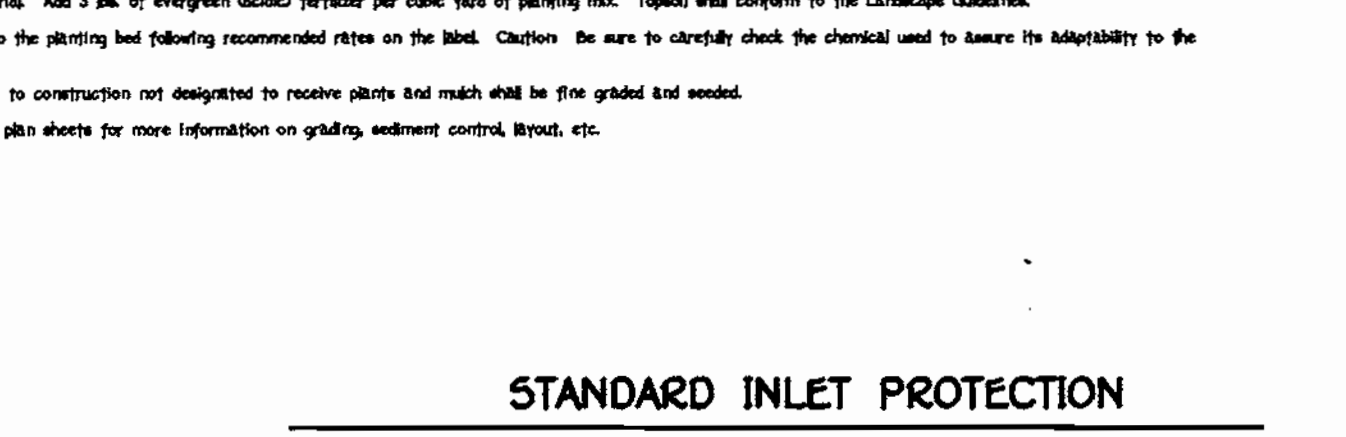
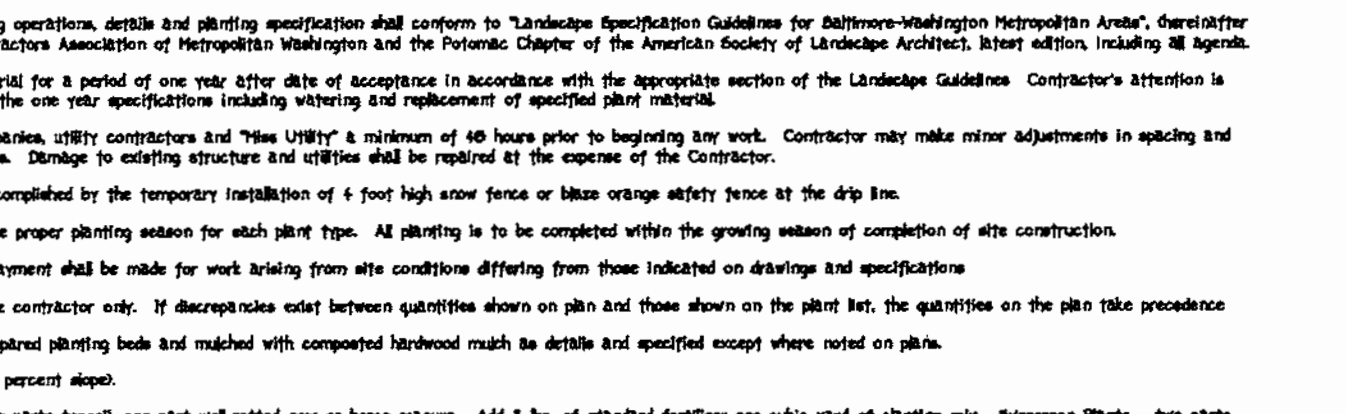
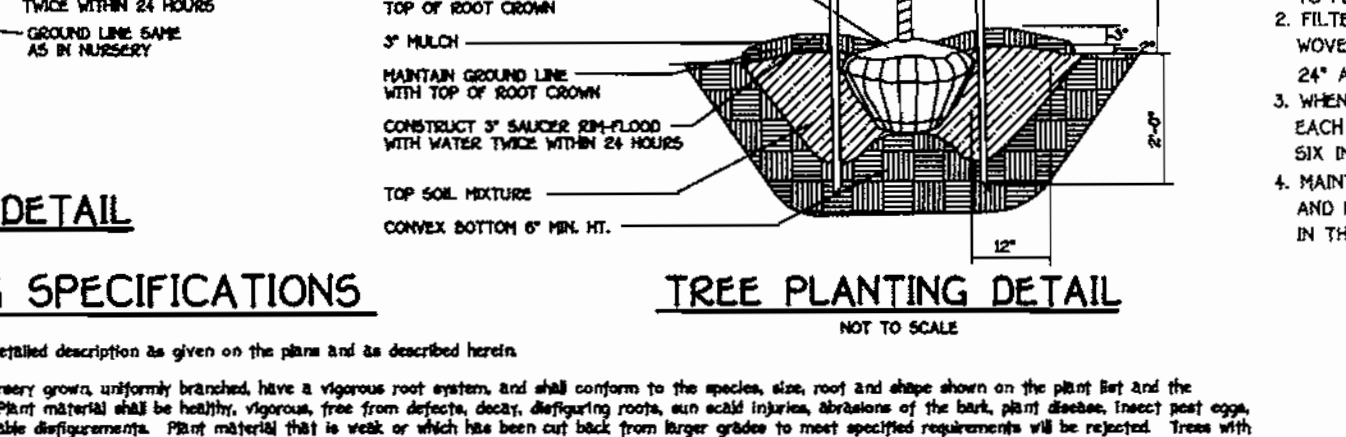
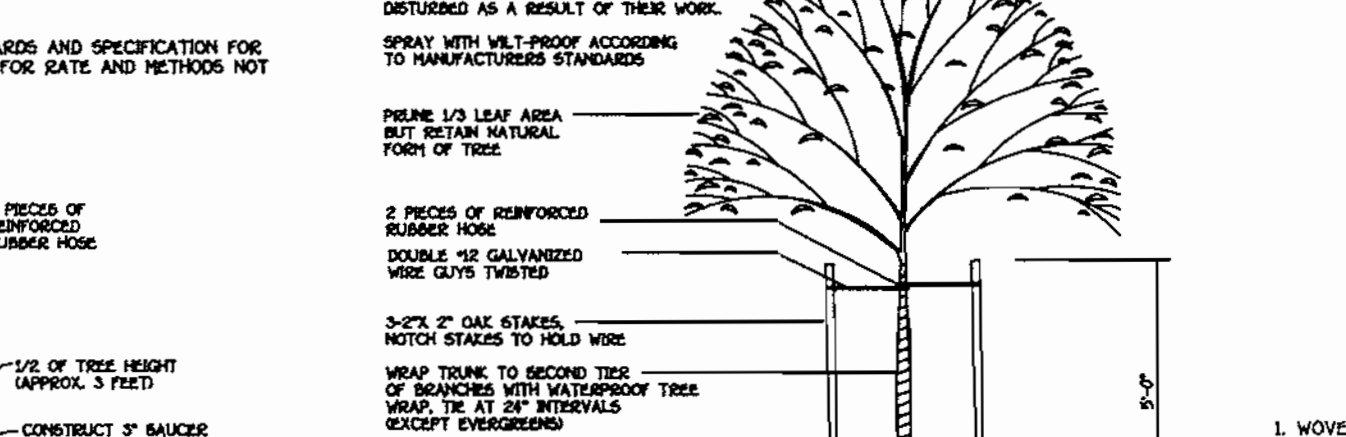
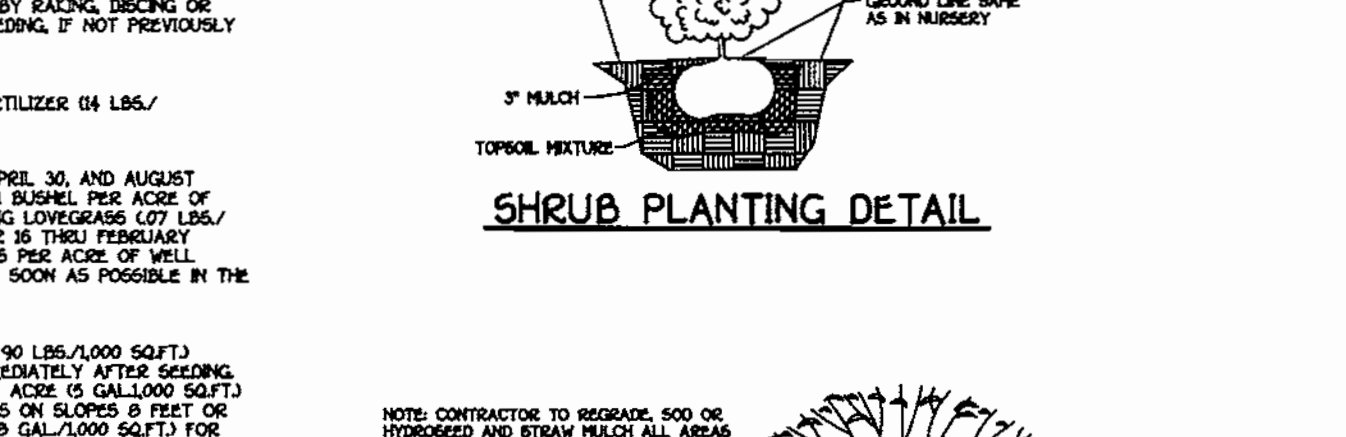
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- #### SEEDING METHODS
1. Broadcast: Shall be used on flat areas. 2. Strip: Shall be used on slopes. 3. Contour: Shall be used on steep slopes.

SEEDING SUMMARY

Species	Application Rate (lb/a/c)	Seeding Dates	Seeding Depth
BAGLYE OR RYE PLUS FOXTAIL MILLET	150 lb/a/c	3/15 - 10/31	1"
FESCUE	150 lb/a/c	3/15 - 6/1	1"
PERENNIAL RYEGRASS (300)	150 lb/a/c	3/15 - 6/1	1"
KENTUCKY BLUEGRASS (50)	150 lb/a/c	3/15 - 6/1	1"
HARD FESCUE (200)	150 lb/a/c	3/15 - 6/1	1"

SHRUB PLANTING DETAIL



PERMANENT SEEDING NOTES

ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:

SEEDING PREPARATION

1. Excavate completely around the inlet to a depth of 18" below the notch elevation.

SEEDING

1. Length - minimum of 30' for single residence lots. 2. Width - 10' minimum, should be placed at the existing road to provide a turning ditches.

SEEDING SUMMARY

Species	Application Rate (lb/a/c)	Seeding Dates	Seeding Depth
BAGLYE OR RYE PLUS FOXTAIL MILLET	150 lb/a/c	3/15 - 10/31	1"
FESCUE	150 lb/a/c	3/15 - 6/1	1"
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FISHER, COLLINS & CARTER, INC.

CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS

CENTRAL OFFICE: P.O. BOX 1072 BALTIMORE, MARYLAND 21207
ELLSWORTH OFFICE: 1072 BALTIMORE, MARYLAND 21207
TEL: 410-531-1855

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 Howard Soil Conservation District.

[Signature]
Signature of Engineer (Print name below signature) _____
Date _____

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 Howard Soil Conservation District.

[Signature]
Signature of Developer (Print name below signature) _____
Date _____

REVIEWER'S CERTIFICATE

Reviewed and approved by: _____
Date _____
Signature of Reviewer

Reviewed and approved by: _____
Date _____
Signature of Reviewer

APPROVED DEPARTMENT OF PLANNING AND ZONING

[Signature]
Date _____
[Signature]
Date _____
[Signature]
Date _____

PROJECT	SECTION/AREA	LOT NO.			
BRANTLY - GETHSEMANE BAPTIST CHURCH	Z/1	28			
PLAT #	BLOCK NO.	ZONE	TAX/ZONE	ELEC. DIST.	CENSUS TR.
14392 and 5682	6	RR	21	4TH	6040
WATER CODE	SEWER CODE	PRIVATE	PRIVATE		

SILT FENCE

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OF STRAPLES.
2. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
3. FILTER CLOTH FILTER X, Y, HASTAT 100X, STABILINA TX, OR OOK APPROVED EQUAL.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

EARTH DIKE

CONSTRUCTION SPECIFICATIONS

1. ALL DICES SHALL BE CONSTRUCTED BY EARTHMOVING EQUIPMENT.
2. ALL DICES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
3. TOP WIDTH MAY BE WIDER AND SIDE SLOPES MAY BE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
4. FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SAFETY OUTLET.
5. EARTH DICES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF SEASON.
6. STABILIZATION SHALL BE MADE IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND STRAW MULCH OR STRAW MULCH IF NOT IN SEEDING SEASON. (SEE FLOW CHANNELS AND DRAIN CHART BELOW).

FLOW CHANNEL STABILIZATION

TYP. OF TREATMENT	CHANNEL	DICE A	DICE B
1	5-30'	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	31-50'	SEED AND STRAW MULCH	SEED USING JUTE, OR EXCELLSIOR 500' 4" STONE
3	51-80'	SEED WITH JUTE, OR 500' LINED RIP-RAP 4" 8"	
4	81-200'	LINED RIP-RAP 4" 8"	ENGINEERING DESIGN

PERMANENT SEEDING NOTES

ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:

SEEDING PREPARATION

1. Excavate completely around the inlet to a depth of 18" below the notch elevation.

SEEDING

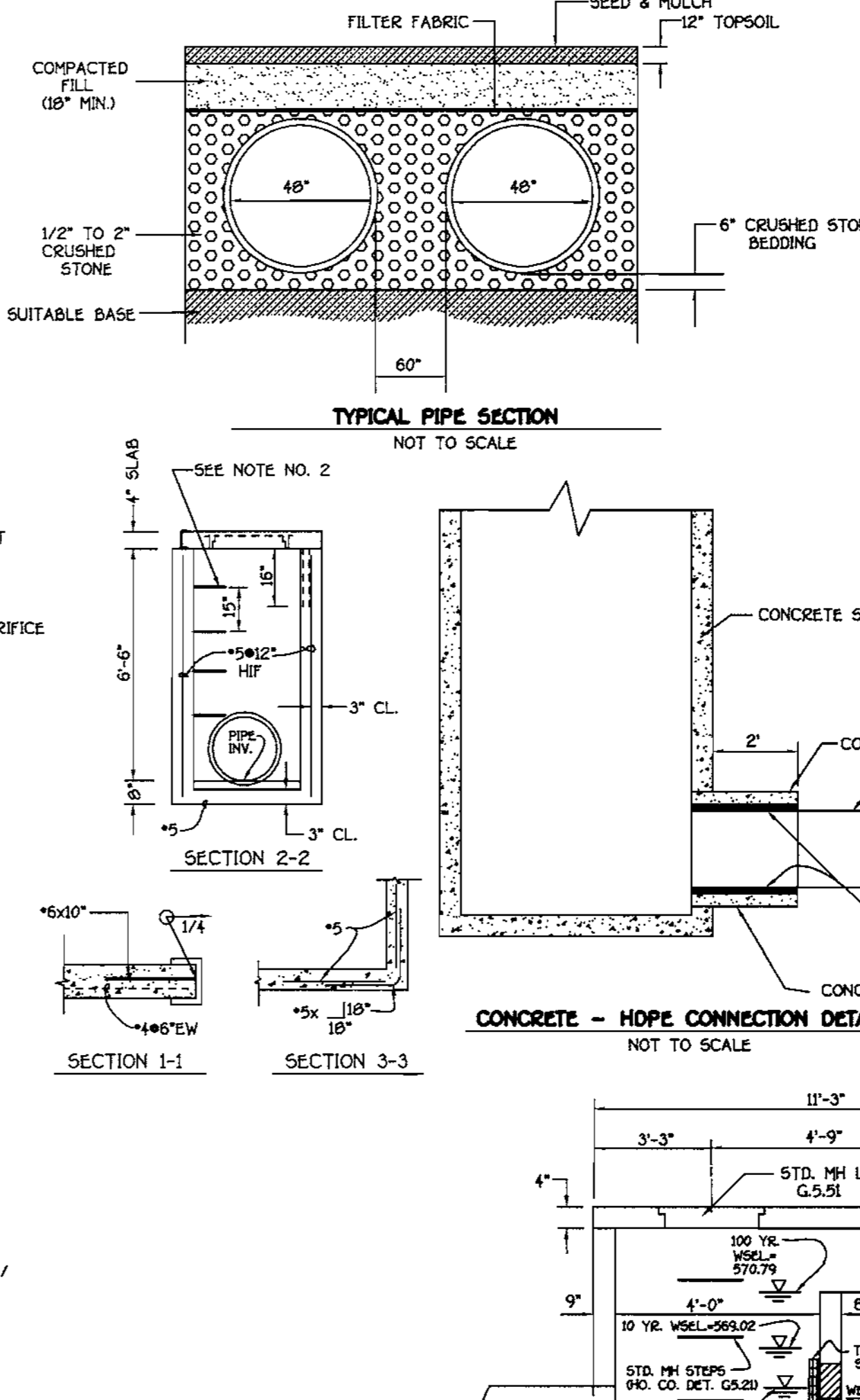
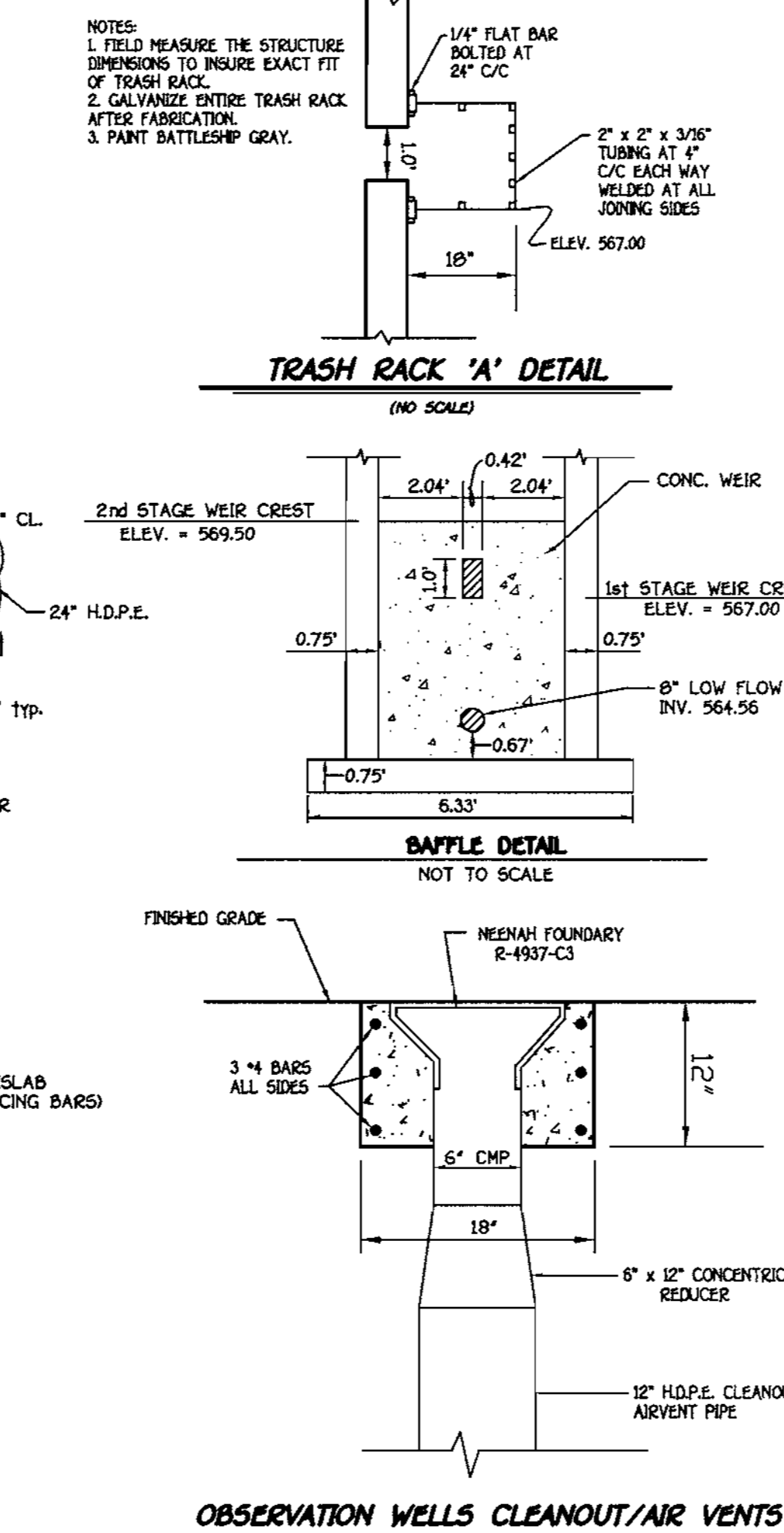
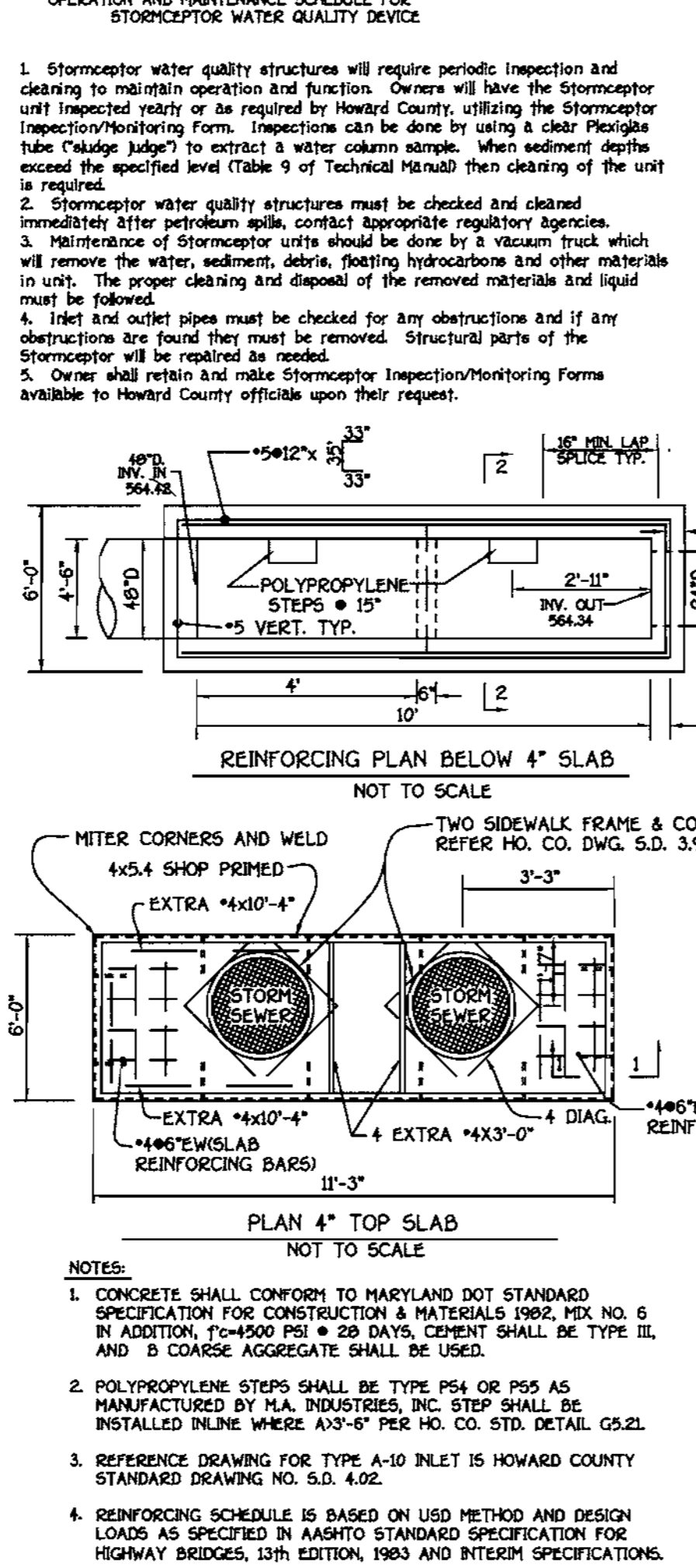
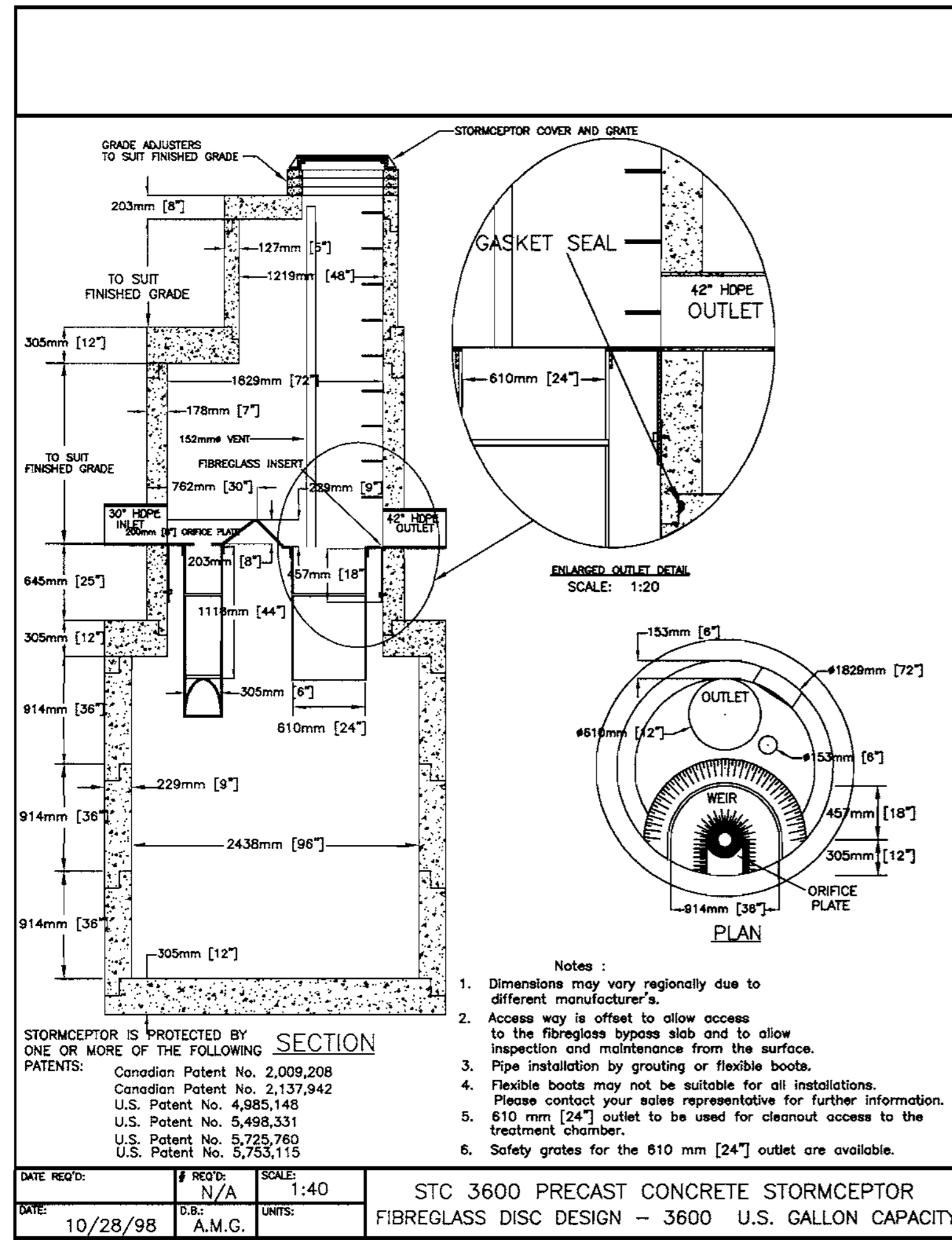
1. Length - minimum of 30' for single residence lots. 2. Width - 10' minimum, should be placed at the existing road to provide a turning ditches.

DETAIL SHEET

GETHSEMANE BAPTIST CHURCH

BRANTLY
(LOT 28)

SECTION 2 AREA 1
TAX MAP No. 21 PARCEL: 185
4TH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: JUNE, 2000
SHEET 2 OF 5



STRUCTURE SCHEDULE				
STRUCTURE NO.	INV. IN	INV. OUT	TOP ELEV.	REMARKS
I-1	568.90	568.65	572.94	S.D. 4.01
I-2	569.80	569.50	573.28	S.D. 4.01 & S.D. 4.83
I-3	569.93	569.67	573.60	S.D. 4.01
* M-1	564.84	563.61	572.79	S.D. 4.02 MODIFIED
M-2	566.39	565.89	569.89	G. 5.03 - 0 MIN. DIA. = 10.5"
** S-1	563.52	563.50	565.52	H.D.P.E. FLARED END SECTION
S.C. #1	566.75	566.67	572.35	CONTACT STORMCEPTOR AT: 1-724-327-3400 MR. ANDREW VIKOSTEK, CAMTEX CONSTRUCTION PRODUCTS
*** I-3A	---	570.60	571.30	B & C "Q" - 10' - SQUARE REVERSIBLE FRAME & GRATE

* - MODIFIED A-10 INLET FOR RISER & RELEASE STRUCTURE
** - CONTACT: ADVANCED DRAINAGE SYSTEMS AT 1-800-733-9554
*** - CONTACT: B & C UTILITY SUPPLY, INC.
P.O. BOX 245
2932 INDUSTRIAL PARK DRIVE
FINCHBURG, MARYLAND 21049
TEL: (301) 833-6100
FAX: (301) 833-9521

DRAINAGE AREA = 0.0055 SQUARE MILES OR 3.55 ACRES

POND SUMMARY TABLE					
STORM NO.	ALLOWABLE RELEASE	COMPUTED INFLOW	DISCHARGE FROM FACILITY	DISCHARGE ELEVATION	STORAGE ELEVATION
2	4.1 CFS	CFS	2.5 CFS	565.03	567.06
10	10.3 CFS	CFS	7.1 CFS	565.62	569.02
100	18.2 CFS	CFS	20.8 CFS	566.95	570.26

NOTE: CONTRACTOR SHALL MAKE SURE THAT JOINT IS WATER-TIGHT.

PIPE SCHEDULE (TOTAL)		
SIZE	TYPE	LENGTH
6"	H.D.P.E.	78'
18"	H.D.P.E.	8'
24"	H.D.P.E.	155'
30"	H.D.P.E.	50'
42"	H.D.P.E.	39'
48"	H.D.P.E.	705'

OPERATION AND MAINTENANCE SCHEDULE FOR UNDERGROUND SWM FACILITY

- The underground stormwater management facility is privately owned and it shall be the responsibility of the owner to periodically inspect and clean the facility to maintain its operation and function.
- The underground stormwater management facility shall be inspected yearly at a minimum and after especially severe storms. When sediment accumulation of more than 2" is observed or any debris that might obstruct the outfall. The facility must be cleaned.
- Clean immediately after petroleum spills. The owner shall contact the appropriate regulatory agencies.
- The sediment debris shall be removed from the underground stormwater management facility by vacuum truck or other manual means. The owner must follow proper cleaning and disposal of the removed materials and liquid. The inlet and outlet pipes shall be checked for any obstructions at least once every six months. If obstructions are found the owner shall have them removed.

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTRAL SQUARE OFFICE PARK - 10772 BALTIMORE NATIONAL PIKE
ELKLOTT CITY, MARYLAND 2042
(410) 461-2855

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 Howard Soil Conservation District.
Signature of Engineer (Print name below signature): *John K. Robertson* Date: 6/30/00

DEVELOPER'S CERTIFICATE
I/We 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 Howard Soil Conservation District.
Signature of Developer (Print name below signature): *John K. Robertson* Date: 6-30-00

OWNER
GETHSEMAN BAPTIST CHURCH
14135 BURNT WOODS ROAD
GLENWOOD, MARYLAND 21738

CONCRETE STORMCEPTOR ORDER REQUEST FORM

CONTRACTOR INFORMATION:

NAME _____
ADDRESS _____
CITY _____
STATE _____
ZIP CODE _____
CONTACT _____
PHONE _____
FAX _____

OFFICE USE ONLY:

ORDER # _____
DATE _____
INTERNAL SCALE _____

OWNER INFORMATION:

NAME: GETHSEMAN BAPTIST CHURCH
PHONE: (410) 795-2677
FAX: (410) 795-2690

STORMCEPTOR MODEL:

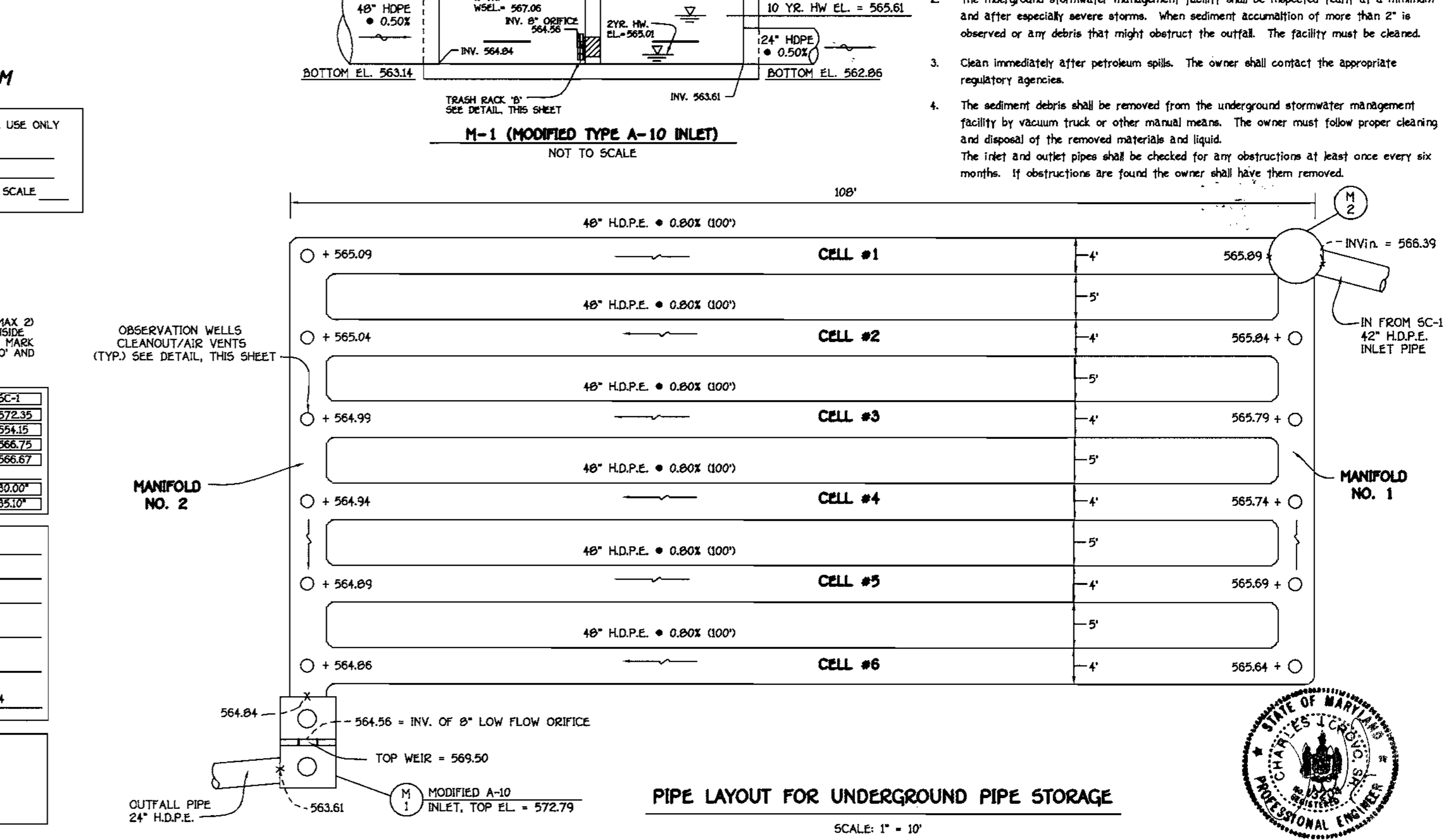
900	3600
1200	4800
1800	6000
2400	7200

IMPERV. D. AREA = 2.89 AC.

PLEASE DRAW ORIENTATION (ANGLE) OF INLET PIPES (MAX 20°) AND OUTLET PIPES (MIN 10°) ON DIAGRAM ALONG WITH PIPE INSIDE DIAMETER (IN) AND INVERT ELEVATION (FT). CLEARLY MARK INLET PIPES WITH AN 'I' AND OUTLET PIPES WITH AN 'O' AND PROVIDE THE INLET/OUTLET PIPE ANGLE IN DEGREES.

PROJECT NAME: BRANTLY - GETHSEMAN BAPTIST CHURCH
APPROXIMATE TIME FRAME UNTIL REQUIRED DELIVERY (WEEKS): 72
DELIVERY ADDRESS: STREET 14135 BURNT WOODS ROAD
CITY: GLENWOOD STATE: MARYLAND ZIP CODE: 21738
DESIGNER COMPANY: FISHER, COLLINS & CARTER, INC.
DESIGNER CONTACT: RICKY ISAACS PHONE: (410) 461-2855 FAX: (410) 750-3784

PLEASE FAX THIS ORDER TO HYDRO CONDUIT C/O CAMTEX (410) 327-9556
ATTENTION: ANDREW VIKOSTEK, PHONE: (410) 327-3400
FOR TECHNICAL ASSISTANCE PLEASE CALL STORMCEPTOR CORPORATION AT (301) 782-8361 OR TOLL FREE AT (800) 782-4703
ALL LIFTING APPARATUS TO BE PROVIDED BY THE INSTALLATION CONTRACTOR



S.W.M. NOTES AND DETAILS

GETHSEMAN BAPTIST CHURCH
BRANTLY (LOT 28)

SECTION 2 AREA 1
TAX MAP No: 21 PARCEL: 185
4TH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: JUNE, 2000
SHEET 3 OF 5

APPROVED: DEPARTMENT OF PLANNING AND ZONING
Chief, Division of Land Development: *Richard Blood* Date: 9/1/00
Chief, Department of Planning and Zoning: *John K. Robertson* Date: 9/1/00

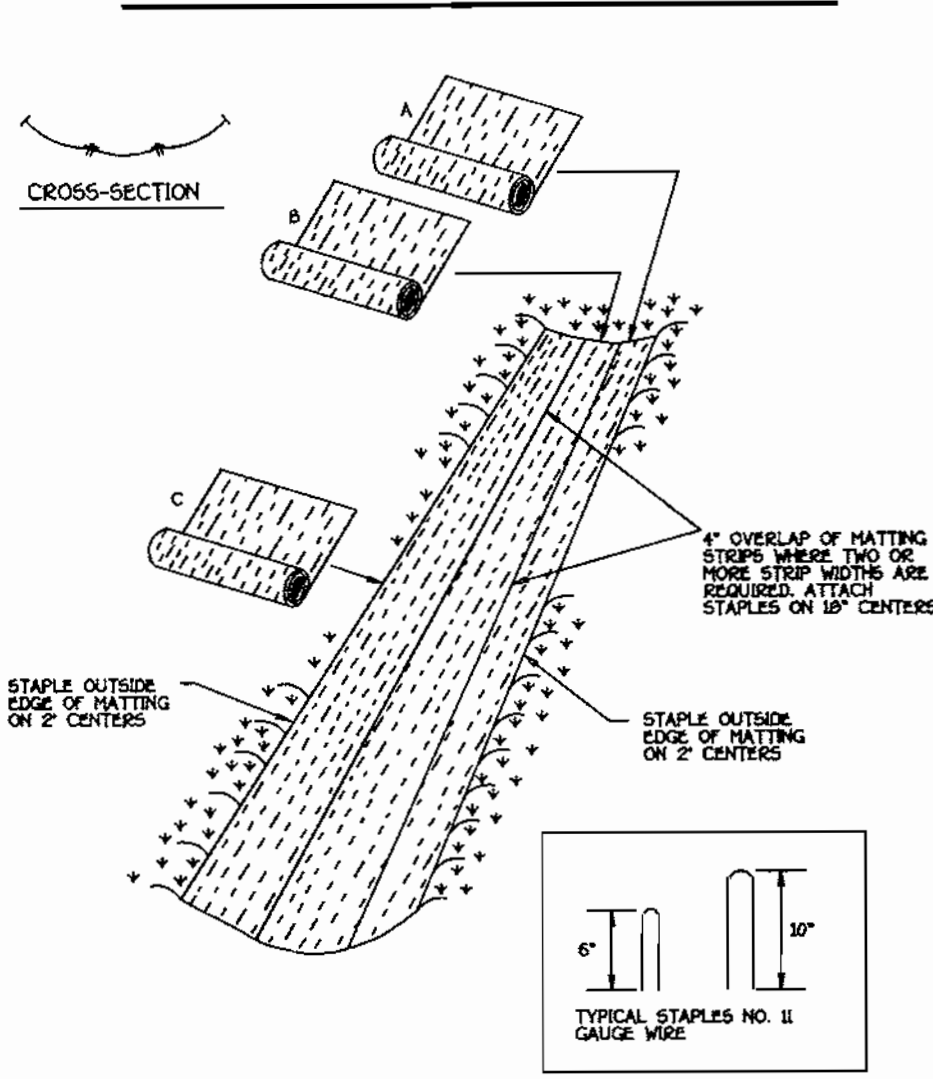
PLAT #s	BLOCK NO.	ZONE	TAX/ZONE	ELEC. DIST.	CENSUS TR.
14392 and 562	6	RR	21	4TH	6040

PROJECT: BRANTLY - GETHSEMAN BAPTIST CHURCH SECTION/AREA: 21 LOT NO: 28

WATER CODE: PRIVATE SEWER CODE: PRIVATE

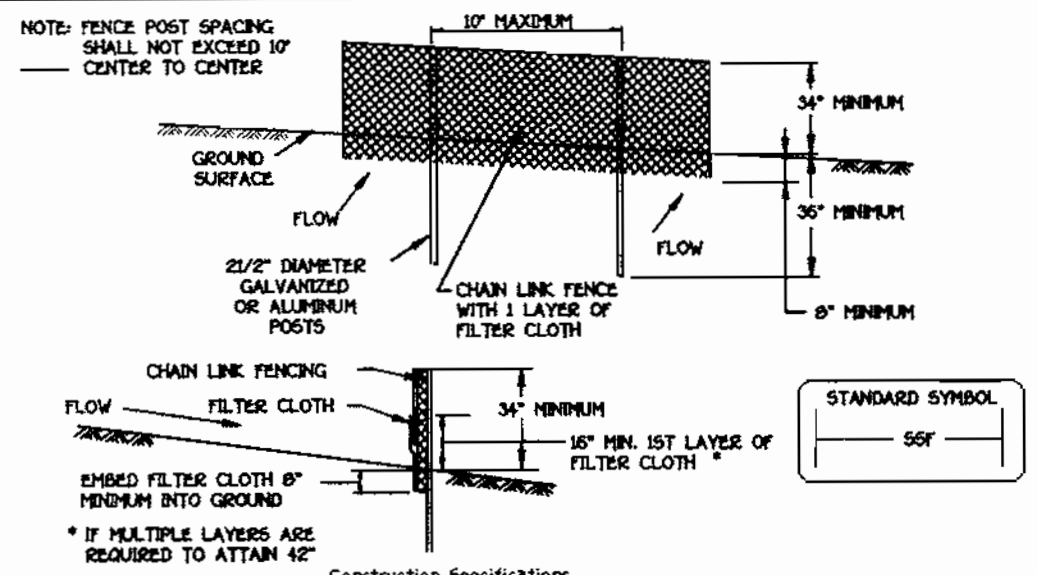


EROSION CONTROL MATTING



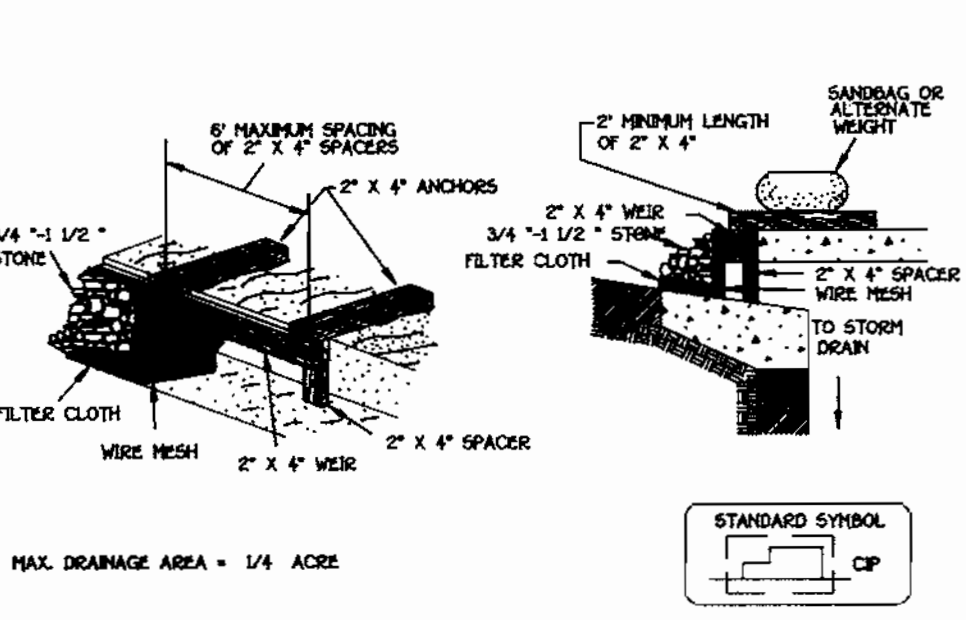
- Construction Specifications:**
- Key-in the matting by placing the top ends of the matting in a narrow trench, 6" in depth. Backfill the trench and stamp firmly to conform to the channel cross-section. Secure with a row of staples about 4" down slope from the trench. Spacing between staples is 6".
 - Staple the 4" overlap in the channel center using an 18" spacing between staples.
 - Before stapling the outer edges of the matting, make sure the matting is smooth and in firm contact with the soil.
 - Staples shall be placed 2" apart with 4 rows for each strip, 2 outer rows, and 2 alternating rows down the center.
 - Where one roll of matting ends and another begins, the end of the top strip shall overlap the upper end of the lower strip by 4", slightly offset. Reinforce the overlap with a double row of staples spaced 6" apart in a staggered pattern on either side.
 - The discharge end of the matting line should be similarly secured with 2 double rows of staples.
- Note: If flow will enter from the edge of the matting then the area affected by the flow must be keyed-in.

SUPER SILT FENCE

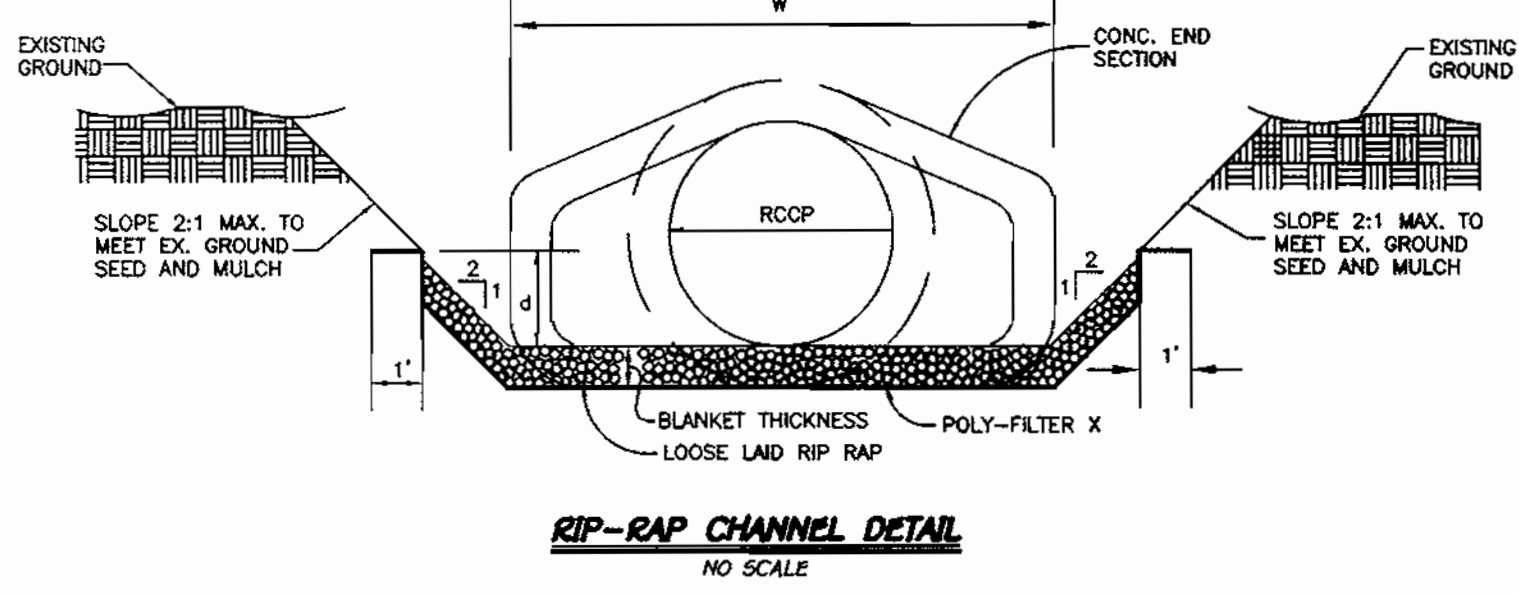


- Construction Specifications:**
- Fencing shall be 42" in height and constructed in accordance with the latest Maryland State Highway Details for Chain Link Fencing. The specification for a 6" fence shall be used, substituting 42" fabric and 6" length posts.
 - Chain link fence shall be fastened securely to the fence posts with wire ties. The lower tension wire, brace and truss rods, drive anchors and post caps are not required except on the ends of the fence.
 - Filter cloth shall be fastened securely to the chain link fence with ties spaced every 24" at the top and mid section.
 - Filter cloth shall be embedded a minimum of 8" into the ground.
 - When two sections of filter cloth adjoin each other, they shall be overlapped by 6" and folded.
 - Maintenance shall be performed as needed and silt buildup removed when "bulges" develop in the silt fence, or when silt reaches 50% of fence height.
 - Filter cloth shall be fastened securely to each fence post with wire ties or staples at top and mid section and shall meet the following requirements for Geotextile Class F:
- | | | |
|----------------------|------------------------------------|---------------|
| Tensile Strength | 50 lbs/in (min) | Test: MHT 509 |
| Tensile Modulus | 20 lbs/in (min) | Test: MHT 509 |
| Flow Rate | 0.3 gal/ft ² /min (max) | Test: MHT 322 |
| Filtering Efficiency | 75% (min) | Test: MHT 322 |
- Design Criteria:**
- | Slope | Slope Steepness | Slope Length (maximum) | Silt Fence Length (minimum) |
|----------|-----------------|------------------------|-----------------------------|
| 0 - 10% | 0 - 10% | Unlimited | Unlimited |
| 10 - 20% | 10% - 21% | 200 feet | 1500 feet |
| 20 - 33% | 21% - 31% | 100 feet | 1000 feet |
| 33 - 50% | 31% - 41% | 50 feet | 500 feet |
| 50% + | 41% + | 50 feet | 250 feet |

CURB INLET PROTECTION (COG OR COS INLETS)

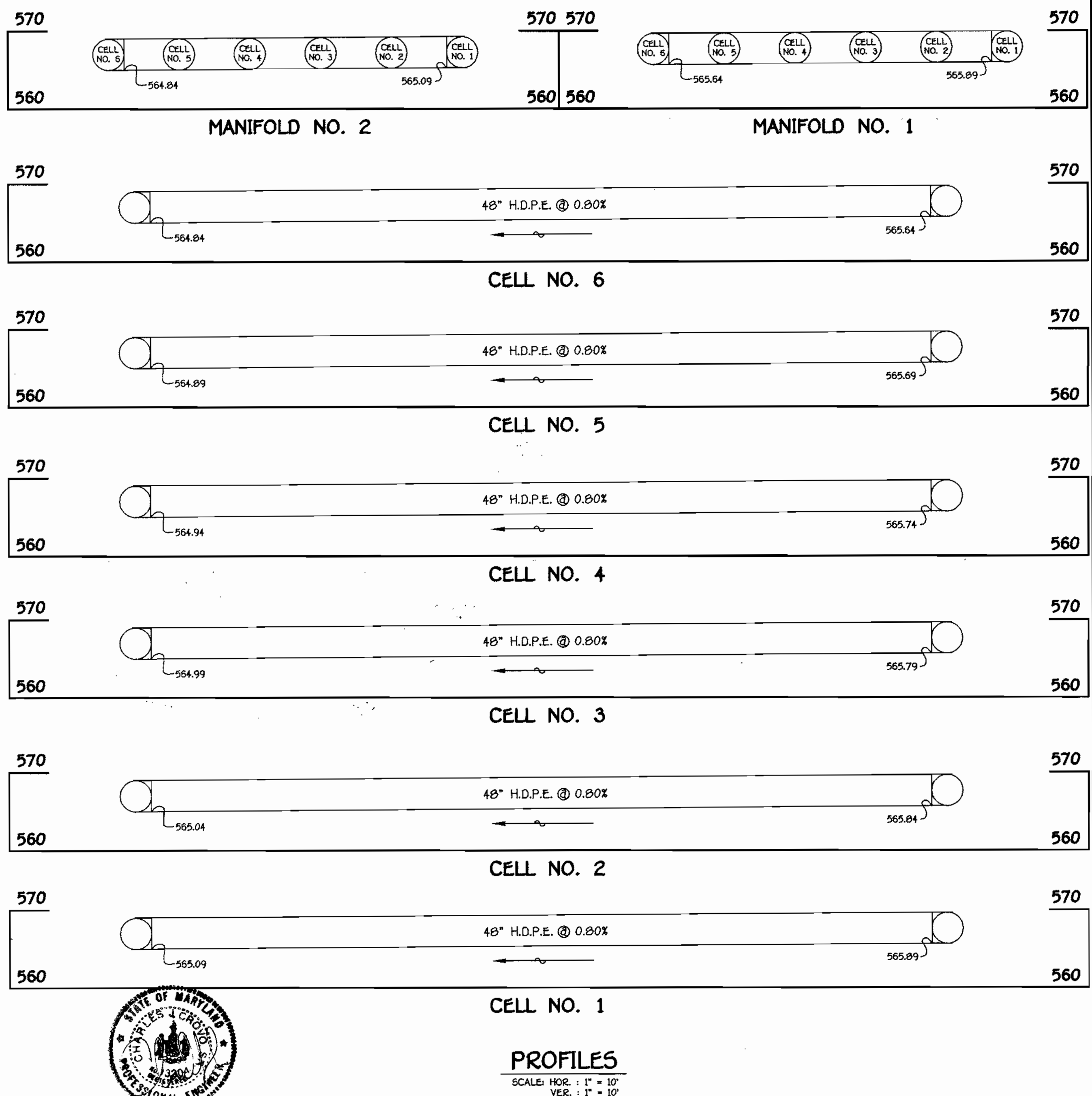


- Construction Specifications:**
- Attach a continuous piece of wire mesh (30" minimum width by throat length plus 4") to the 2" x 4" weir (measuring throat length plus 2") as shown on the standard drawing.
 - Place a continuous piece of Geotextile Class E of the same dimensions as the wire mesh over the wire mesh and securely attach it to the 2" x 4" weir.
 - Securely join the 2" x 4" weir to a 1" long vertical spacer to be located between the weir and the inlet face (max. 4" apart).
 - Place the assembly against the inlet throat and nail (minimum 2" lengths of 2" x 4" to the top of the weir at spacer locations). These 2" x 4" anchors shall extend across the inlet top and be held in place by sandbags or alternate weight.
 - The assembly shall be placed so that the end spacers are a minimum 1" beyond both ends of the throat opening.
 - Form the 1/2" x 1/2" wire mesh and the geotextile fabric to the concrete gutter and against the face of the curb on both sides of the inlet. Place about 3/4" x 1/2" stone over the wire mesh and geotextile in such a manner to prevent water from entering the inlet under or around the geotextile.
 - This type of protection must be inspected frequently and the filter cloth and stone replaced when clogged with sediment.
 - Assure that storm flow does not bypass the inlet by installing a temporary earth or asphalt dike to direct the flow to the inlet.

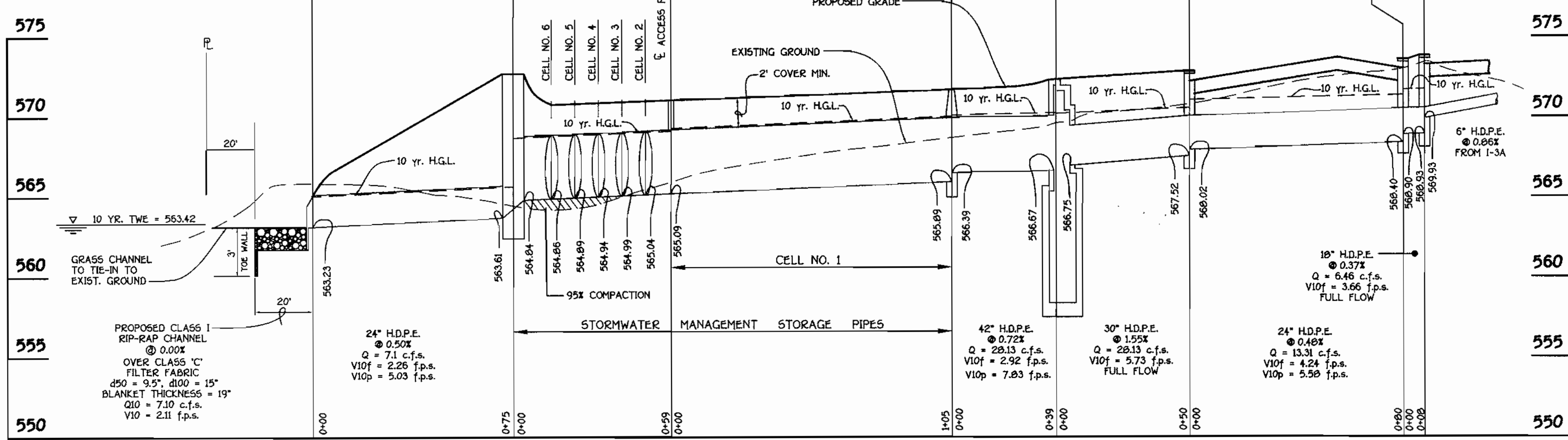


RIP-RAP CHANNEL DESIGN DATA

STRUCTURE	AREA (S.F.)	WETTED PERIMETER	R	R 2/3	S	S 1/2	W	d	N	V (F.P.S.)	Q (C.F.S.)	RIP-RAP SIZE (max)	BLANKET THICKNESS	DIA.
S-1	4.547	7.7012	0.5904	0.7025	0.005	0.0707	7.0'	0.56'	0.035	2.11	7.10	9.5"	19"	24"



- NOTES:**
- V10f DENOTES 10 YEAR FULL FLOW VELOCITY
 - V10p DENOTES 10 YEAR PARTIAL FLOW VELOCITY
 - H.G.L. DENOTES HYDRAULIC GRADIENT LINE



PROFILE
SCALE: HOR. : 1" = 30'
VER. : 1" = 5'

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 Howard Soil Conservation District.

Chell
Signature of Engineer (Print name below signature) 8/30/00
Date

DEVELOPER'S CERTIFICATE
I/we 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 Howard Soil Conservation District.

J. Bruce Meale
Signature of Developer (Print name below signature) 6-30-00
Date

Reviewed for HOWARD SCD and meets Technical Requirements.
John K. Reuter
Howard SCD
Date: 8/30/00

Approved: DEPARTMENT OF PLANNING AND ZONING
Richard Blood
Chief, Division of Land Development
Date: 9/1/00

John K. Reuter
Chief, Development Engineering Division
Date: 8/31/00

James R. Smith
Director, Department of Planning and Zoning
Date: 9/1/00

OWNER/DEVELOPER
GETHESEMANE BAPTIST CHURCH
1435 BURN WOODS ROAD
GLENWOOD, MARYLAND 21738

PROJECT	BRANTLY - GETHESEMANE BAPTIST CHURCH	
SECTION/AREA	2/1	29
PLAT #s	1439a and 562	
BLOCK NO.	6	RR
TAX/ZONE	21	4TH
ELEC. DIST.	6040	
CENSUS TR.	PRIVATE	
WATER CODE	PRIVATE	
SEWER CODE	PRIVATE	

DETAIL SHEET
GETHESEMANE BAPTIST CHURCH
BRANTLY (LOT 28)
SECTION 2 AREA 1
TAX MAP No: 21 PARCEL: 185
4TH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
SCALE: AS SHOWN DATE: JUNE, 2000
SHEET 4 OF 5



SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT.
2. NOTIFY "MISS UTILITY" AT LEAST 48 HOURS BEFORE BEGINNING ANY WORK. AT 1-800-257-7777. NOTIFY THE HOWARD COUNTY OFFICE OF CONSTRUCTION/INSPECTION AT (410) 313-1080, 24 HOURS BEFORE STARTING WORK.
3. CLEAR AND GRUB FOR SEDIMENT CONTROL MEASURES WHERE NEEDED. INSTALL STABILIZED CONSTRUCTION ENTRANCE, TEMPORARY STABILIZED CONSTRUCTION ENTRANCE AND PROPOSED EARTH DIKE. (0.5 WEEK)
4. INSTALL STONE OUTLET SEDIMENT TRAP AND GRADE SWALE AT THE NORTH SIDE OF THE PROPERTY TO COLLECT BYPASS RUNOFF. (0.5 WEEK)
5. STABILIZE THE SEDIMENT TRAP AND SWALE WITH TEMPORARY SEEDING. (0.5 WEEK)
6. REMOVE ALL WALKWAYS TO BE GRAZED. GRADE THE PARKING AREA OF SITE TO SUBGRADE AND GRADE OUT PROPOSED BUILDING CONSTRUCTION SITES. EXCAVATE FOR LOWER LEVEL PORTION FOR STORAGE/MECH. AND PUMP ROOM ADDITION. (1.5 WEEKS)
7. CONSTRUCT BUILDING ADDITIONS. (0 WEEKS)
8. UPON COMPLETION OF PROPOSED BUILDING ADDITIONS, CONSTRUCT ALL PROPOSED WALKWAYS, REMOVE TEMPORARY STABILIZED CONSTRUCTION ENTRANCE AND STABILIZE ALL GRASSED AREAS AROUND THE PROPOSED WALKWAYS AND BUILDINGS WITH PERMANENT SEEDING. INSTALL STONE DABE COURSE FOR PROPOSED NEW PAVED PARKING AREAS. (0 WEEKS)
9. UPON APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, ONCE ALL AREAS HAVE BEEN STABILIZED UPHILL FROM THE SEDIMENT TRAP, REMOVE SEDIMENT TRAP AND STABILIZE THIS AREA WITH PERMANENT SEEDING. (0.5 WEEK)
10. INSTALL STORM DRAIN SYSTEM FROM I-3A TO I-3 TO I-1 AND APPLY CURB INLET PROTECTION ON INLETS I-3, I-2 & I-1 AS A PRECAUTION. (0.5 WEEK)
11. INSTALL ALL PROPOSED CURB AND GUTTER. (1.0 WEEK)
12. INSTALL REMAINING STORM DRAIN SYSTEM, UNDERGROUND S.W.M. FACILITY AND RIP-RAP OUTFALL AT S-1. (2.0 WEEKS)
13. UPON COMPLETION OF STORM DRAIN INSTALLATION AND UNDERGROUND S.W.M. FACILITY, STABILIZE ALL DISTURBED AREAS WITH PERMANENT SEEDING. (0.5 WEEK)
14. UPON APPROVAL OF SEDIMENT CONTROL INSPECTOR, REMOVE REMAINING SEDIMENT CONTROL DEVICES. (0.5 WEEK)
15. PAVE ALL PROPOSED NEW PARKING AREAS AND APPLY AN OVERLAY TO THE EXISTING PARKING LOT AREA. (1.5 WEEKS)

SCHEDULE B PARKING LOT INTERNAL LANDSCAPING	
NUMBER OF PARKING SPACES	39
NUMBER OF TREES REQUIRED:	2
NUMBER OF TREES PROVIDED:	2
SHADE TREES	2
OTHER TREES (2:1 SUBSTITUTION)	—

SCHEDULE A PERIMETER LANDSCAPE EDGE					
PERIMETER	P-1	P-2	P-3	P-4	P-5
CATEGORY	Adjacent to Right-of-Way	Adjacent to Perimeter Property	Adjacent to Perimeter Property	Adjacent to Perimeter Property	Adjacent to Perimeter Property
LANDSCAPE TYPE	E	C	C	C	D
LINEAR FEET OF PERIMETER	245'	317'	400'	541'	87'
CURRENT TREE EXISTING VEGETATION (YES, NO, LEAVING FEET)	NO	YES	YES	YES	NO
DESIGNER'S SOIL TYPE (SLOPE OR BEEM)	NO	NO	NO	NO	NO
DESIGNER'S SOIL TYPE (SLOPE OR BEEM)	NO	NO	NO	NO	NO
SHADE TREES	7	0	0	4	1
OTHER TREES (2:1 SUBSTITUTION)	0	0	0	0	0
TOTAL TREES	7	0	0	4	1
OTHER TREES (2:1 SUBSTITUTION)	0	0	0	0	0
DESIGNER'S SOIL TYPE (SLOPE OR BEEM)	NO	NO	NO	NO	NO

COMMENTS: EXISTING PINE TREES WHERE PLANTED AS PART OF S.O.P. 04-281. TODAY THOSE TREES ARE 8" DIA. AND APPROXIMATELY 20-25 HT.

LANDSCAPE LEGEND		
QUANTITY	SYMBOL	DESCRIPTION
14	(+)	ACER RUBRUM, OCTOBER GLORY / RED SUNSET, RED MAPLE 2-1/2"-3" CAL.
10	(*)	PINUS STROBUS/EASTERN WHITE PINE 6'-8' HEIGHT
62	(O)	EUONYMUS KIAUTSCHOWICUS SIEBODIANA SIE. BOLD EUONYMUS

THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPE TREES HAS BEEN POSTED AS PART OF THE DEVELOPER'S AGREEMENT IN THE AMOUNT OF \$7,560.00.

SYMBOL	QUANTITY	TOTAL
(+)	14 x \$300 = \$4,200	
(*)	10 x \$150 = \$1,500	
(O)	62 x \$30 = \$1,860	
		TOTAL 86 PLANTINGS @ \$7,560.00

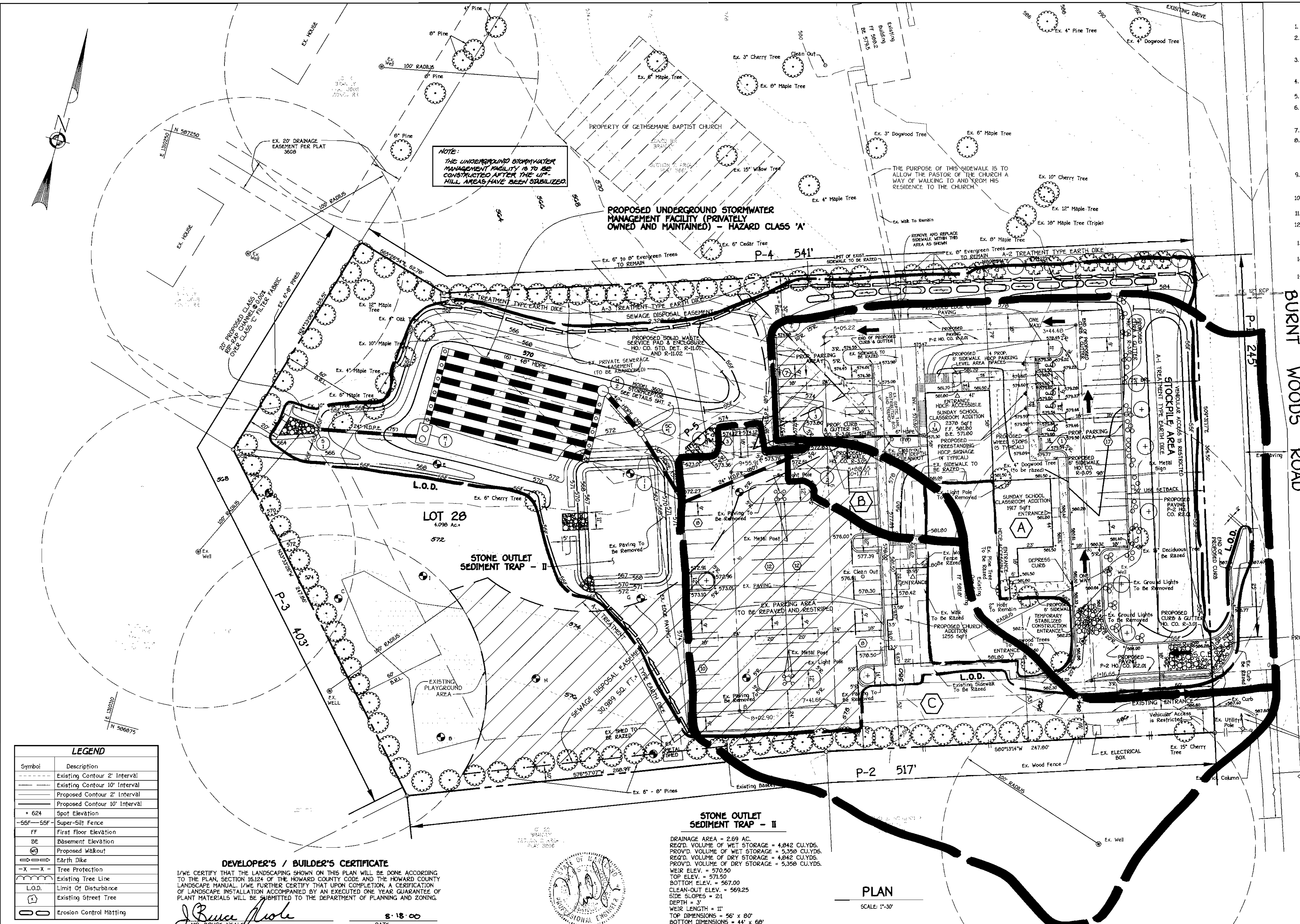
DRAINAGE AREA DATA

1.30 AC.±	A	ZONED RR-DEO	1 IMP. = 86%
C = 0.75			
0.10 AC.±	B	ZONED RR-DEO	1 IMP. = 86%
C = 0.78			
1.29 AC.±	C	ZONED RR-DEO	1 IMP. = 92%
C = 0.80			

DRAINAGE AREA MAP, LANDSCAPE AND SEDIMENT CONTROL PLAN

GETHSEMANE BAPTIST CHURCH
BRANTLY (LOT 28)

SECTION 2 AREA 1
TAX MAP No: 21 PARCEL: 105
4TH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
SCALE: A5 6HOWN DATE: JUNE, 2000
SHEET 5 OF 5



LEGEND

Symbol	Description
---	Existing Contour 2' Interval
---	Existing Contour 10' Interval
---	Proposed Contour 2' Interval
---	Proposed Contour 10' Interval
+ 624	Spot Elevation
-55F -55F	Super-Silt Fence
FF	First Floor Elevation
BE	Basement Elevation
⊙	Proposed Walkout
⊙	Earth Dike
X X	Tree Protection
---	Existing Tree Line
L.O.D.	Limit Of Disturbance
⊙	Existing Street Tree
⊙	Erosion Control Matting

DEVELOPER'S / BUILDER'S CERTIFICATE

I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING 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 YEAR GUARANTEE OF PLANT MATERIALS WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

J. Bruce Neale
MR. BRUCE NEALE
DATE: 8-18-00



STONE OUTLET SEDIMENT TRAP - II

DRAINAGE AREA = 2.69 AC.
REQ'D. VOLUME OF WET STORAGE = 4,842 CU.YDS.
PROVD. VOLUME OF WET STORAGE = 5,358 CU.YDS.
REQ'D. VOLUME OF DRY STORAGE = 4,842 CU.YDS.
PROVD. VOLUME OF DRY STORAGE = 5,358 CU.YDS.
WEIR ELEV. = 570.50
TOP ELEV. = 571.50
BOTTOM ELEV. = 567.00
CLEAN-OUT ELEV. = 569.25
SIDE SLOPES = 2:1
DEPTH = 3'
WEIR LENGTH = 11'
TOP DIMENSIONS = 56' x 80'
BOTTOM DIMENSIONS = 44' x 68'

PLAN
SCALE: 1"=30'

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 18272 BALDWIN NATIONAL PIKE
ELLSWORTH CITY, MARYLAND 21041
(410) 461-2995

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PRIVATE WATER AND SEWERAGE SYSTEMS.

Donna M. Miller
HEALTH OFFICER DATE: 8/20/00

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 Howard Soil Conservation District.

John R. Kowalski
Signature of Engineer (Print name below signature) DATE: 8/18/00

DEVELOPER'S CERTIFICATE

I/We 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 Howard Soil Conservation District.

J. Bruce Neale
Signature of Developer (Print name below signature) DATE: 8-18-00

DATE	REVISION	DESCRIPTION

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Richard Blouin
Chief, Division of Land Development DATE: 8/18/00

John R. Kowalski
Chief, Development Engineering Division DATE: 8/18/00

John R. Kowalski
Director - Department of Planning and Zoning DATE: 8/18/00

PROJECT	SECTION/AREA	LOT NO.
BRANTLY - GETHSEMANE BAPTIST CHURCH	2/1	28

PLAT #s	BLOCK NO.	ZONE	TAX/ZONE	ELEC. DIST.	CENSUS TR.
14, 59a, and 566c	6	RR	21	4TH	6040

WATER CODE	SEWER CODE
PRIVATE	PRIVATE

OWNER/DEVELOPER

GETHSEMANE BAPTIST CHURCH
1435 BURNT WOODS ROAD
GLENWOOD, MARYLAND 21736