

BENCH MARKS

B.M. 2337004 ELEV. 487.80
CONCRETE MONUMENT 0.35' BELOW SURFACE,
5' SE OF C&P POLE #15
N 489250.527; E 816865.917

B.M. 2337003 ELEV. 499.91
3/4" REINFORCING ROD 0.5' BELOW SURFACE,
34' SSW OF C&P POLE #17
N 489248.431; E 817275.756

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

- ON SITE MEAL PREPARATION HAS NOT BEEN PROPOSED FOR THIS FACILITY.

- ALL EXISTING WELL AND SEPTIC SYSTEMS KNOWN TO BE WITHIN 100 FEET OF THE PROPERTY LINES HAVE BEEN SHOWN.

AS BUILT CERTIFICATE

CHARLES T. GRIMSLEY # 11124	DATE
APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.	
<i>Jane M. Boyd</i> COUNTY HEALTH OFFICER	1-10-95 DATE
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>James R. Keith</i> DIRECTOR	1/20/95 DATE
APPROVED: DIVISION OF LAND DEVELOPMENT & RESEARCH	
<i>John J. Surmanik</i> CHIEF, DIVISION OF LAND DEVELOPMENT & RESEARCH	1/18/95 DATE
APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.	
<i>James J. Sullivan</i> DIRECTOR	1/5/95 DATE
<i>Robert J. Surmanik</i> CHIEF, BUREAU OF ENGINEERING	1/4/95 DATE
DATE	NO.
11/18/09	1
	2
REVISION	

- GENERAL NOTES**
- ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY.
 - THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK.
 - THE CONTRACTOR SHALL NOTIFY MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
 - APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN FROM BEST AVAILABLE INFORMATION. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
 - THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES, IF ANY, AT LEAST 5 DAYS IN ADVANCE OF ANY CONSTRUCTION SHOWN ON THESE DRAWINGS. LOCATIONS AND ELEVATION SHALL BE VERIFIED AND IF OTHER THAN SHOWN THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
 - TRAFFIC CONTROL DEVICES, MARKINGS, AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
 - ALL PLAN DIMENSIONS ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
 - ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
 - ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
 - PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
 - NO PIPE SHALL BE LAID UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT TO SUBGRADE.
 - TOPOGRAPHY TAKEN FROM AERIAL SURVEY BY MAPPING TECHNOLOGIES, INC. DATED 8/29/92. TWO (2) FOOT CONTOUR INTERVAL. BOUNDARY SHOWN IS THE RESULT OF A FIELD RUM SURVEY BY LANDMARK ENGINEERING IN JULY, 1992.
 - HORIZONTAL AND VERTICAL DATUM: MD. STATE PLANE, 1929 GENERAL ADJUSTMENT.
 - ALL STORM DRAIN PIPE BEDDING SHALL BE AS SHOWN IN DETAIL G2.01 (TRENCH IN ROCK OR TRENCH IN EARTH AS DETERMINED BY FIELD CONDITIONS) IN VOL. IV OF THE HOWARD COUNTY DESIGN MANUAL, UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR AS SHOWN ON THE DRAWINGS.
 - STORMWATER MANAGEMENT IS PROVIDED BY AN EXTENDED DETENTION WETLAND MARSH FACILITY TO BE CONSTRUCTED AS PART OF SDP 95-04.
 - STORMWATER MANAGEMENT FACILITY WILL BE PRIVATELY OWNED AND MAINTAINED.
 - NO WETLANDS ARE EFFECTED BY THIS PROPOSED PROJECT. A WETLAND AREA HAS BEEN IDENTIFIED ON THIS SITE AND A REPORT HAS BEEN PREPARED BY SOILS AND ENVIRONMENTAL SERVICES, INC. DATED NOVEMBER 21, 1992. THIS REPORT HAS BEEN SUBMITTED TO HOWARD COUNTY.
 - THE PAVEMENT SECTIONS AS SPECIFIED ON THESE PLANS ARE THE HOWARD COUNTY STANDARD SECTIONS AND ARE NOT BASED ON SITE SPECIFIC CONDITIONS. PRIOR TO PAVING, THE FINAL PAVEMENT SECTIONS SHALL BE DETERMINED BY A QUALIFIED ENGINEER BASED ON IN-SITU TESTING OF THE SUBGRADE BY A CERTIFIED GEOTECHNICAL ENGINEER. THE TESTING AND GEOTECHNICAL ENGINEER'S RECOMMENDATIONS SHALL BE FURNISHED BY THE OWNER.
 - ONSITE WATER AND SEWER IS TO BE PROVIDED BY WELL AND SEPTIC SYSTEM.
 - SOILS DATA FOR THE STORMWATER MANAGEMENT POND HAS BEEN PREPARED BY PROFESSIONAL SERVICE INDUSTRIES, INC. DATED MAY 20, 1993 AND IS AVAILABLE FROM THE OWNER.
 - THE CONTRACTOR IS TO NOTE THAT THE DEVELOPMENT OF THIS SITE IS TO COMPLY WITH THE CURRENT REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT OF JULY 26, 1990.
 - BOARD OF APPEALS CASE NO. BA 89-41E EXTENDED TO DEC 31, 1999.
 - PROVIDE CONSTRUCTION FOR THE APPROVAL. IMPROVEMENTS WAS APPROVED WITH A PERMITS OFFICE. THIS PLANING THE USE OF THE SITES TRACT AREA TO WORK WITH THE PERMITS OFFICE. APPROVED THE PROVISION OF THE TRACT AREA TO WORK WITH THE PERMITS OFFICE. APPROVED THE PROVISION OF THE TRACT AREA TO WORK WITH THE PERMITS OFFICE. APPROVED THE PROVISION OF THE TRACT AREA TO WORK WITH THE PERMITS OFFICE.

SITE TABULATION

TOTAL AREA	17.17 ACRES
EXISTING ZONE	RR-180
PROPOSED USE	RELIGIOUS FACILITY INCLUDING: TWO STORY BUILDING CONTAINING SANCTUARY WITH 600 SEATS, ASSOCIATED CLASSROOMS AND SUPPORTING FACILITIES AS APPROVED BY SPECIAL EXCEPTION CASE NO. BA 89-41E
PARKING REQUIRED @ 1 SPACE/3 FIXED SEATS	200 SPACES
OR 1 SPACE/100 SQ FT PUBLIC ASSEMBLY AREA	82 SPACES
8200 SQ FT/1 SP/100 SQ FT PARKING PROVIDED	236 SPACES INCLUDES 8 HANDICAPPED SPACES
OPEN SPACE	11.56 AC. (68% OF SITE)
AVERAGE BUILDING HEIGHT	30 FT.

SEE LANDSCAPE PLAN FOR PLANTING REQUIREMENTS SHEET C-4

LEGEND

---	PROPERTY LINE
---	BUILDING RESTRICTION LINE (BRL)
F-1	P-1 PAVING
P-2	P-2 PAVING - N/A
- - -	PROP. SIDEWALK
●	PROPOSED LIGHT POLE
STD. C&G	CURB & GUTTER (C&G)
STD. REV. TRANSITION STD. - C&G	TO REV. C&G

24. THIS PLAN IS SUBJECT TO BOARD OF APPEALS CASE BA-21-23C TO EXPAND AN EXISTING CONDITIONAL USE ORIGINALLY GRANTED IN BA-89-41E TO ENLARGE AN EXISTING RELIGIOUS FACILITY. THE CONDITIONAL USES SHALL BE CONDUCTED IN CONFORMANCE WITH AND SHALL APPLY ONLY TO THE USES DESCRIBED IN THE PETITION AND DEPICTED ON THE CONDITIONAL USE PLAN DATED JULY 13, 2021, AND NOT TO ANY OTHER ACTIVITIES OR USES.

BUILDING ELEVATIONS
NOT TO SCALE

NORTH & SOUTH ELEVATION

EAST & WEST ELEVATION

SHEET INDEX

C-1	SITE DEVELOPMENT PLAN
C-2	SEDIMENT CONTROL PLAN
C-3	SEDIMENT CONTROL AND SITE DEVELOPMENT DETAILS
C-4	LANDSCAPE AND PLANTING PLAN
C-5	SEPTIC INSTALL PLAN

ADDRESS CHART

BUILDING	STREET ADDRESS
A	10300 HALL SHOP ROAD

SUBDIVISION NAME - GEOT. AREA - PARCEL -
165

PLAT #	BLOCK #	ZONING	TAX MAP NO.	BLOC. DIST.	PERMITS TRACT
N/A	G	RR-180	40	5TH	0091.02

WATER CODE - N/A **SEWER CODE** - N/A

OWNER:
VALLEY BROOK COMMUNITY CHURCH
10705 CHARTER DRIVE, SUITE 340
COLUMBIA, MD 21044

VALLEY BROOK COMMUNITY CHURCH

SITE DEVELOPMENT PLAN SDP 95-04
SUPPLEMENT TO SDP 93-58

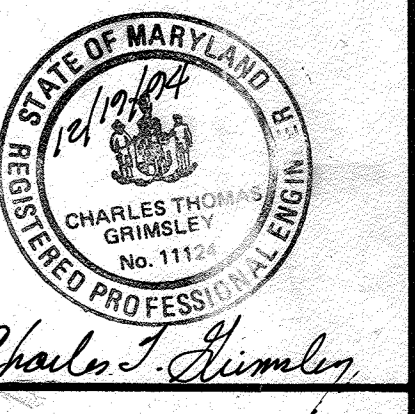
TAX MAP NO. 40, BLOCK 6, PARCEL 165, ZONED: RR-180
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

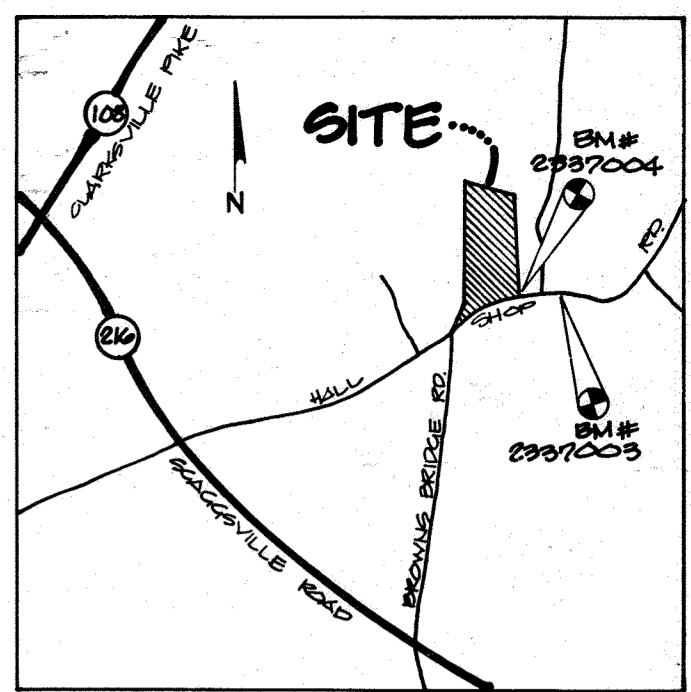
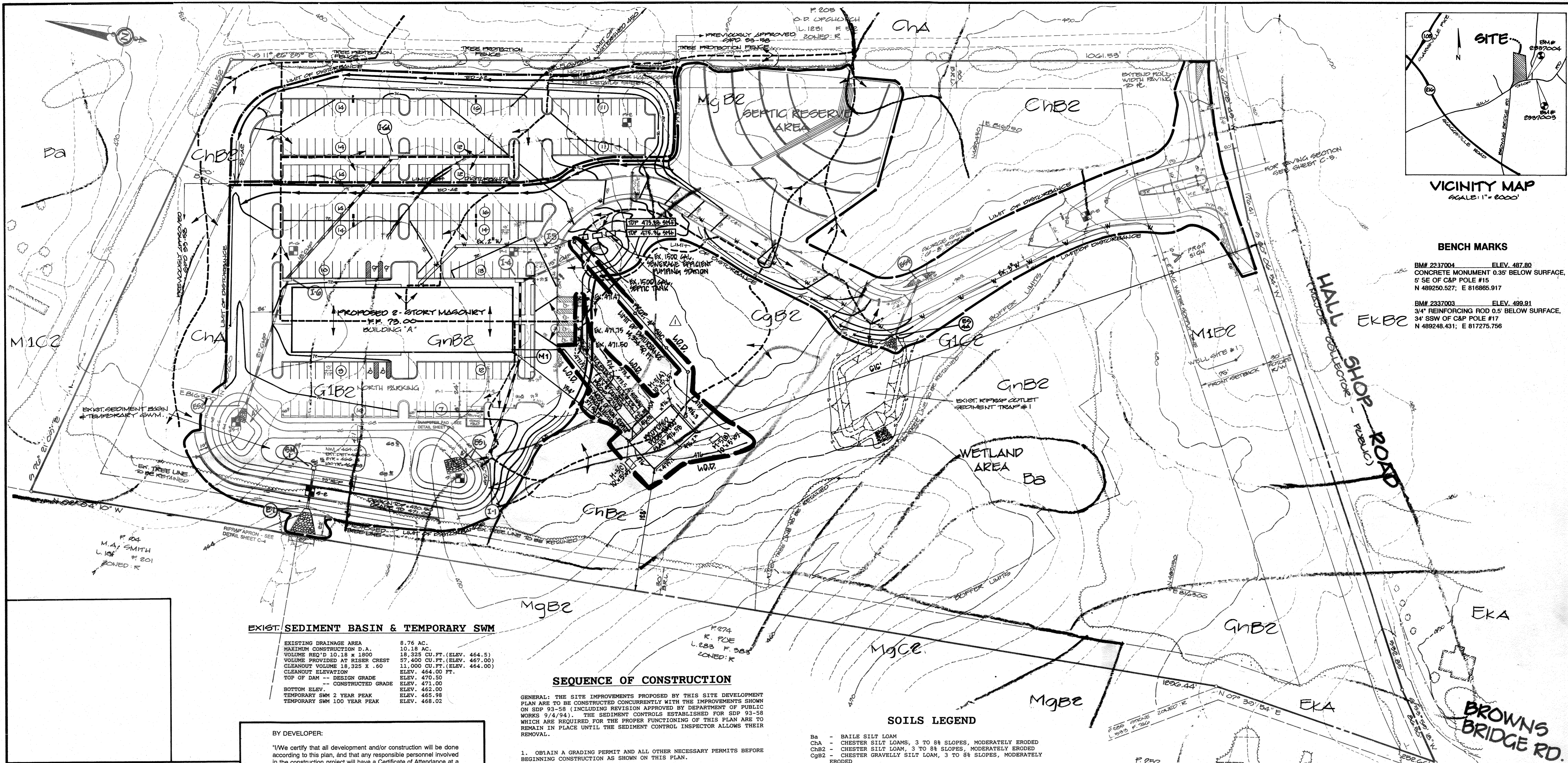
LANDMARK ENGINEERING, INC.
1751 ELTON ROAD, SUITE 202
SILVER SPRING, MARYLAND 20903
PHONE: (301) 434-3550
FAX: (301) 434-7427

CONSULTING ENGINEERS PLANNERS SURVEYORS

Drawn P.V.	Scale 1"=20'	Sheet C-1	of 5
Field Book	Date JULY 1994	Job No. 0210	

5/29/95-04





VICINITY MAP
SCALE: 1" = 2000'

BENCH MARKS

B.M. 2337004 ELEV. 487.80
CONCRETE MONUMENT 0.35' BELOW SURFACE,
5' SE OF C&P POLE #15
N 489250.527; E 816865.917

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3/4" REINFORCING ROD 0.5' BELOW SURFACE,
34' SSW OF C&P POLE #17
N 489248.431; E 817275.756

EXIST. SEDIMENT BASIN & TEMPORARY SWM

EXISTING DRAINAGE AREA 8.76 AC.
MAXIMUM CONSTRUCTION D.A. 10.18 AC.
VOLUME REQ'D TO 10.18 X 1000 18,325 CU.FT. (ELEV. 464.5)
VOLUME PROVIDED AT RISER CREST 57,400 CU.FT. (ELEV. 467.00)
CLEANOUT VOLUME 18,325 X .60 11,000 CU.FT. (ELEV. 464.00)
CLEANOUT ELEVATION ELEV. 464.00 FT.
TOP OF DAM -- DESIGN GRADE ELEV. 470.50
BOTTOM ELEV. -- CONSTRUCTED GRADE ELEV. 471.00
TEMPORARY SWM 2 YEAR PEAK ELEV. 462.00
TEMPORARY SWM 100 YEAR PEAK ELEV. 465.98
TEMPORARY SWM 100 YEAR PEAK ELEV. 468.02

SEQUENCE OF CONSTRUCTION

GENERAL: THE SITE IMPROVEMENTS PROPOSED BY THIS SITE DEVELOPMENT PLAN ARE TO BE CONSTRUCTED CONCURRENTLY WITH THE IMPROVEMENTS SHOWN ON SDP 93-58 (INCLUDING REVISION APPROVED BY DEPARTMENT OF PUBLIC WORKS 9/4/94). THE SEDIMENT CONTROLS ESTABLISHED FOR SDP 93-58 WHICH ARE REQUIRED FOR THE PROPER FUNCTIONING OF THIS PLAN ARE TO REMAIN IN PLACE UNTIL THE SEDIMENT CONTROL INSPECTOR ALLOWS THEIR REMOVAL.

- OBTAIN A GRADING PERMIT AND ALL OTHER NECESSARY PERMITS BEFORE BEGINNING CONSTRUCTION AS SHOWN ON THIS PLAN.
- A SITE MEETING WITH THE SEDIMENT CONTROL INSPECTOR IS REQUIRED PRIOR TO INITIATING WORK SHOWN ON THIS PLAN.
- INSTALL TREE PROTECTION FENCING AS REQUIRED PRIOR TO INSTALLING SEDIMENT CONTROLS.
- INSTALL EARTH BERM ALONG PERIMETER OF CONSTRUCTION. INSTALL ADDITIONAL SEDIMENT CONTROLS AND OBTAIN APPROVAL OF THE SEDIMENT CONTROL INSPECTOR.
- BEGIN GRADING OF SITE.
- INSTALL STORM DRAINAGE SYSTEM, UTILITIES, CURB AND GUTTER, BASE PAVING AND BEGIN STABILIZING ALL AREAS IN ACCORDANCE WITH PERMANENT SEEDING NOTES.
- UPON APPROVAL OF THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR, REMOVE REMAINING SEDIMENT CONTROL DEVICES AND STABILIZE ANY AREA DISTURBED BY THEIR REMOVAL IN ACCORDANCE WITH PERMANENT SEEDING NOTES.

SOILS LEGEND

- Ba - BAILE SILT LOAM
- ChA - CHESTER SILT LOAMS, 3 TO 8% SLOPES, MODERATELY ERODED
- ChB2 - CHESTER SILT LOAM, 3 TO 8% SLOPES, MODERATELY ERODED
- CgB2 - CHESTER GRAVELLY SILT LOAM, 3 TO 8% SLOPES, MODERATELY ERODED
- EKA - ELLOAK SILT LOAM, 0 TO 3% SLOPES
- EKB2 - ELLOAK SILT LOAM, 3 TO 8% SLOPES, MODERATELY ERODED
- GIB2 - GLENELG LOAM, 3 TO 8% SLOPES, MODERATELY ERODED
- GIC2 - GLENELG LOAM, 8 TO 15% SLOPES, MODERATELY ERODED
- GNB2 - GLENVILLE SILT LOAM, 3 TO 8% SLOPES, MODERATELY ERODED
- MgB2 - MANOR GRAVELLY LOAM, 3 TO 8% SLOPES, MODERATELY ERODED
- MgC2 - MANOR GRAVELLY LOAM, 8 TO 15% SLOPES, MODERATELY ERODED
- MIC2 - MANOR LOAM, 8 TO 15% SLOPES, MODERATELY ERODED

STORMWATER MANAGEMENT SUMMARY TABLE (PRIVATELY OWNED AND MAINTAINED)

FACILITY NAME AND NUMBER	DRAINAGE AREA	TYPE	% IMPERVIOUS	Pe=1.2" ESOV REQUIRED CU.FT.	Pe=1.2" ESOV PROVIDED CU.FT.	OWNERSHIP AND MAINTENANCE
M-5 (A)	1,000	DRY WELL	100%	95	100	PRIVATE
M-5 (B)	920	DRY WELL	100%	86	100	PRIVATE
M-5 (C)	800	DRY WELL	100%	76	80	PRIVATE

LEGEND

- LIMIT OF DISTURBANCE
- DRAINAGE DIVIDE
- EARTH DIKE
- SILT FENCE
- FLOW PATH
- SOILS DELINEATION
- STABILIZED CONSTRUCTION ENTRANCE
- TREE PROTECTION FENCING
- TEMPORARY (PERIMETER) SWALE

EXIST. RIPRAP OUTLET SEDIMENT TRAP #1
D.A. = 0.02 AC.
VOL. REQ'D = 12,800 CU.FT.
VOL. PROVIDED = 11,215 CU.FT.
BOTTOM ELEV. = 468.50
TOP ELEV. = 472.00
DEPTH = 3.5'
DEPTH OF FLOW = 1.5'
WEIR LENGTH = 14'
WEIR CREST ELEV. = 473.00
TOP OF EMBANKMENT = 472.00
CLEANOUT ELEV. = 470.25

AS BUILT CERTIFICATE

CHARLES T. GRIMSLEY # 11124	DATE
APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.	1-10-95
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	1/20/95
APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.	1/3/95
DATE	1/4/95

BY DEVELOPER:

"I/We certify that all development and/or construction will be done according to this plan, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspections by the Howard Soil Conservation District."

Signature of Developer: *Michael A. Carrock* Date: 12/27/94

Printed Name: *Michael A. Carrock*

BY ENGINEER:

"I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions. This plan was prepared in accordance with the requirements of the Howard Soil Conservation District."

Signature of Engineer: *Charles T. Grimsley* Date: 12/20/94

Printed Name: *Charles T. Grimsley*

These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements for soil erosion and sediment control.

Signature: *Patricia Englebas* Date: 12/27/94

U.S. Soil Conservation Service

This development plan is approved for soil erosion and sediment control by the Howard Soil Conservation District.

Signature: *John W. Hill* Date: 12/27/94

Howard Soil Conservation District

NOTE: THIS PLAN FOR EROSION AND SEDIMENT CONTROL ONLY!

OWNER:
VALLEY BROOK COMMUNITY CHURCH
10705 CHARTER DRIVE, SUITE 340
COLUMBIA, MD 21044

VALLEY BROOK COMMUNITY CHURCH

SEDIMENT CONTROL PLAN
SUPPLEMENT TO SDP 93-58

TAX MAP NO. 40, BLOCK 6, PARCEL 165, ZONED: RR-120
5 TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

LANDMARK ENGINEERING, INC.
1751 ELTON ROAD, SUITE 202 SILVER SPRING, MARYLAND 20903
PHONE: (301) 434-9550 FAX: (301) 434-7427

CONSULTING ENGINEERS PLANNERS SURVEYORS

Drawn: *D.V.* Scale: 1" = 50' Sheet: C-2 of 5
Field Book: Date: JULY 1994 Job No: 9210

SDP 95.04

PERMANENT SEEDING NOTES

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

Soil Amendments: In lieu of soil test recommendations use one of the following schedules:

- 1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs. per 1000 sq.ft.) and 600 lbs. per acre 10-10-10 fertilizer (14 lbs. per 1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs. per acre 30-0-0 ureaform fertilizer (9 lbs. per 1000 sq.ft.).
- 2) Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs. per 1000 sq.ft.) and 1000 lbs. per acre 10-10-10 fertilizer (23 lbs. per 1000 sq.ft.) before seeding. Harrow or disc into upper three inches of soil.

Seeding: For the period March 1 thru April 30 and from August 1 thru October 15, seed with 60 lbs. per acre (1.4 lbs. per 1000 sq.ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs. Kentucky 31 Tall Fescue per acre and 2 lbs. per acre (0.05 lbs. per 1000 sq.ft.) of weeping lovegrass. During the period October 16 thru February 28, protect site by one of the following options:

- 1) 2 tons per acre of well-anchored mulch straw and seed as soon as possible in the spring.
- 2) Use sod.
- 3) Seed with 60 lbs. per acre Kentucky 31 Tall Fescue and mulch with 2 tons per acre well anchored straw.

Mulching: Apply 1-1/2 to 2 tons per acre (70 to 90 lbs. per 1000 sq.ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal. per acre (5 gal. per 1000 sq.ft.) of emulsified asphalt on flat areas. On slopes, 8 ft. or higher, use 347 gal. per acre (8 gal. per 1000 sq.ft.) for anchoring.

Maintenance: Inspect all seeded areas and make needed repairs, replacements and reseeding.

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative cover is needed.

Seedbed Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

Soil Amendments: Apply 600 lbs. per acre 10-10-10 fertilizer (14 lbs. per 1000 sq.ft.).

Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2-1/2 bushels per acre of annual ryegrass (3.2 lbs. per 1000 sq.ft.). For the period May 1 thru August 14, seed with 3 lbs. per acre of weeping lovegrass (0.07 lbs. per 1000 sq.ft.). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

Mulching: Apply 1-1/2 to 2 tons per acre (70 to 90 lbs. per 1000 sq.ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal. per acre (5 gal. per 1000 sq.ft.) of emulsified asphalt on flat areas. On slopes, 8 ft. or higher, use 347 gal. per acre (8 gal. per 1000 sq.ft.) for anchoring.

Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

SEDIMENT CONTROL NOTES

1. A minimum of 24 hours notice must be given to the Howard County Office of Inspections and Permits prior to the start of any construction (410-99-099).

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 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL.

3. Following initial soil disturbance and redisturbance, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 days for any other disturbed or graded areas on the project site.

4. All sediment traps/basins must be fenced and warning signs posted around the perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.

5. All disturbed areas must be stabilized within the time period specified above in accordance with 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL AND EROSION CONTROL, for permanent seedings (Sec. 51), sod (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.

6. All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.

7. Site Analysis:

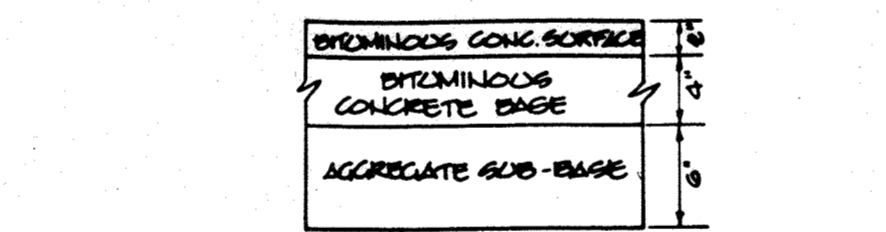
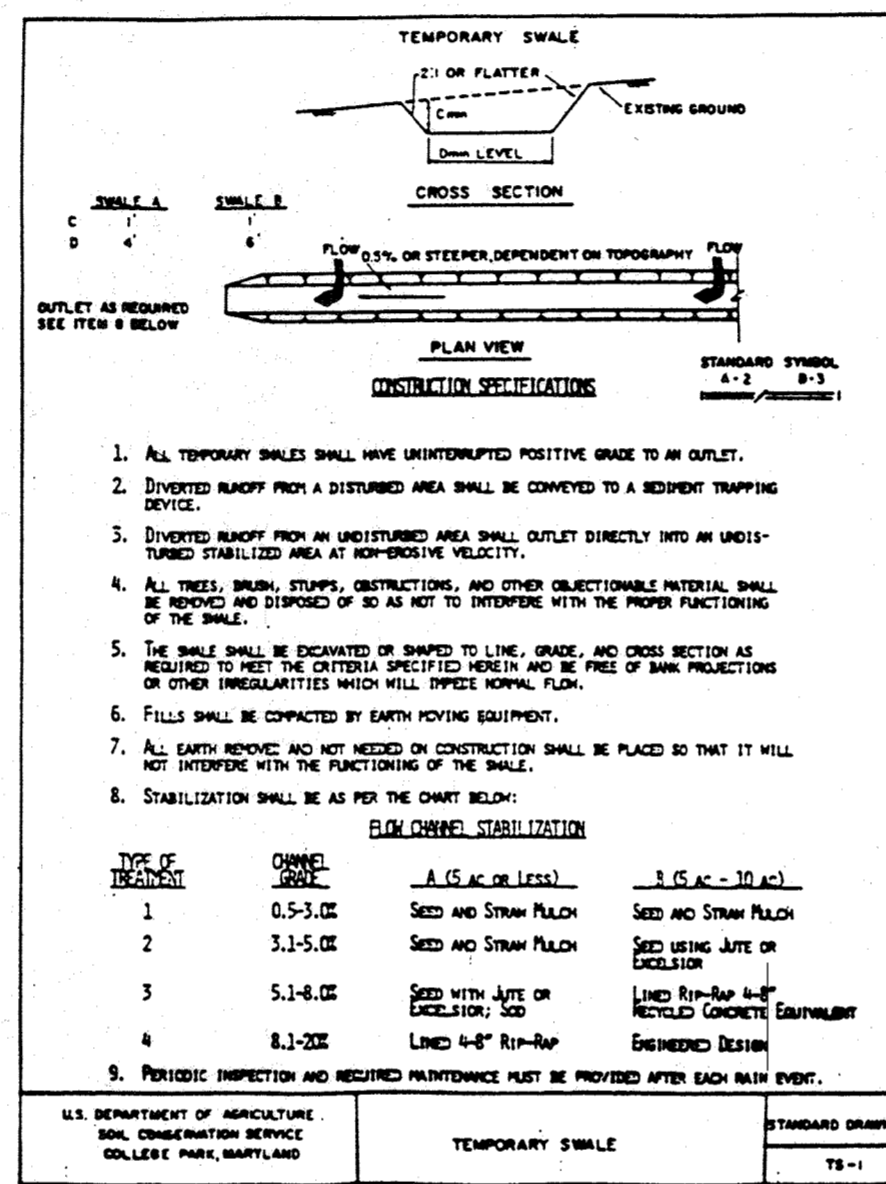
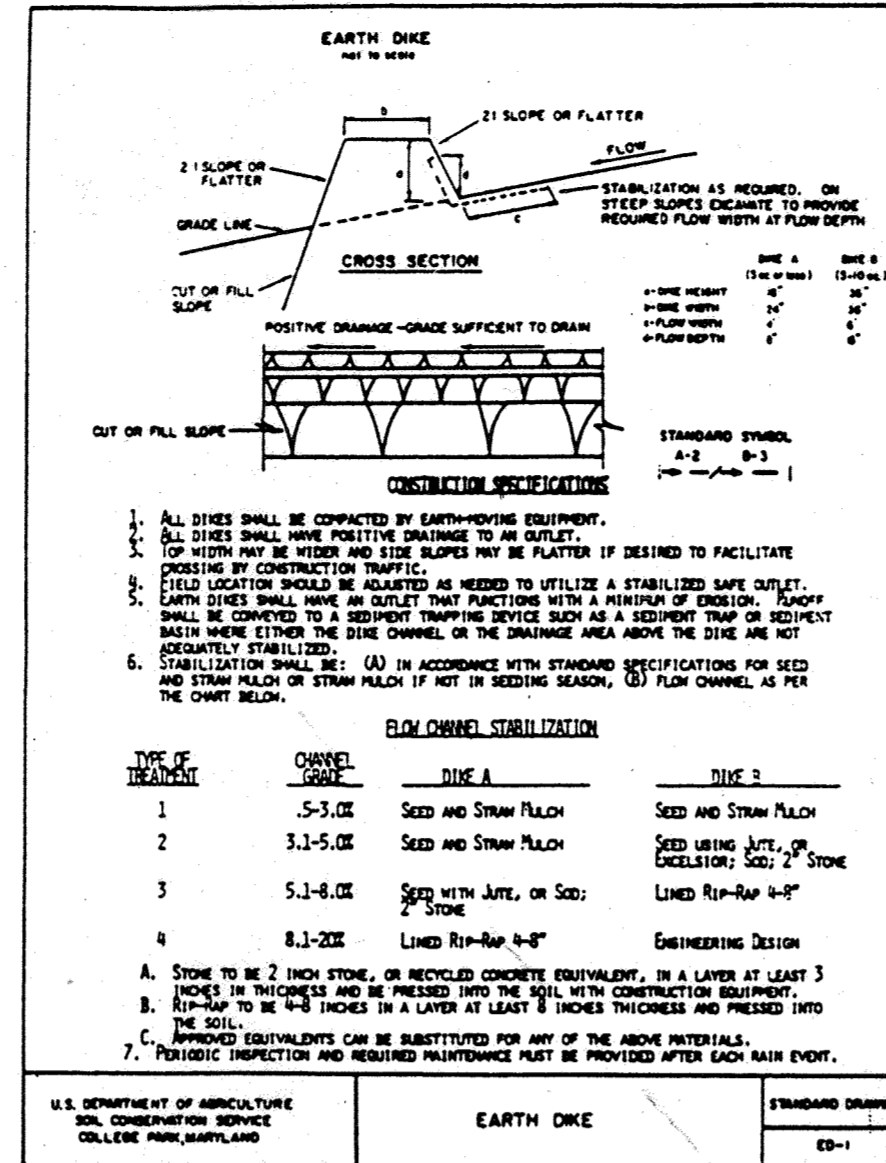
Total Area of Submission	17.17 Acres
Area Disturbed	1.40 Acres
Area to be roofed or paved	1.20 Acres
Area to be vegetatively stabilized	0.20 Acres
Total Cut	5575 CY
Total Fill	2500 CY

8. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.

9. Additional sediment controls must be provided, if deemed necessary by the Howard County Department of Public Works Sediment Control Inspector.

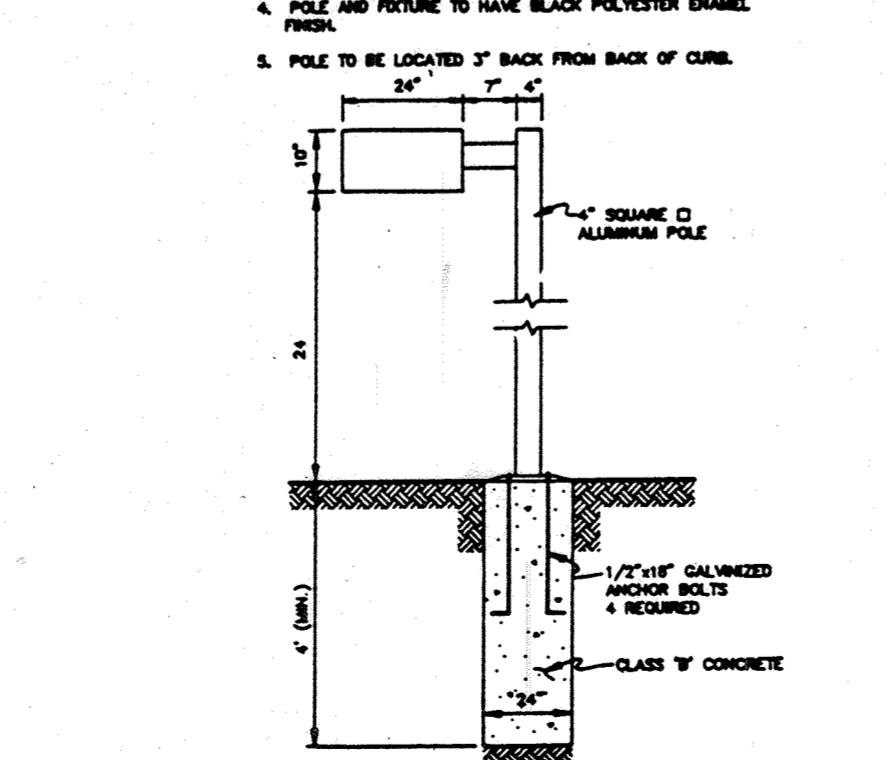
10. Site grading will begin only after all perimeter sediment control measures have been installed and in are a functioning condition.

11. Cut and fill quantities are to be verified by the contractor, as the quantities shown here are for bulk earth moving without consideration of soil suitability for embankment or structural fill.

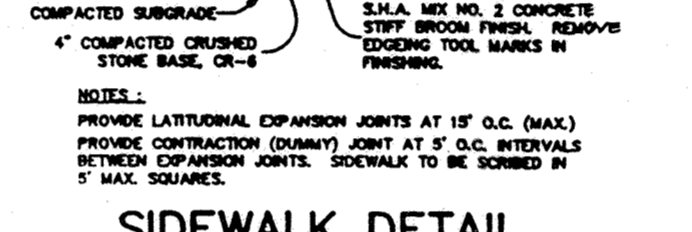
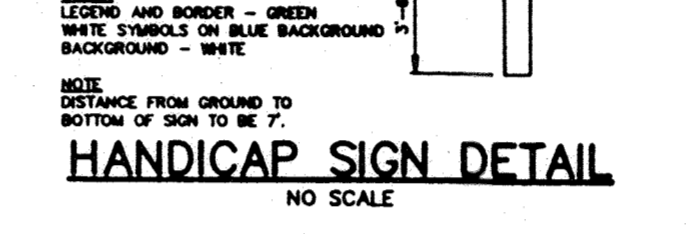
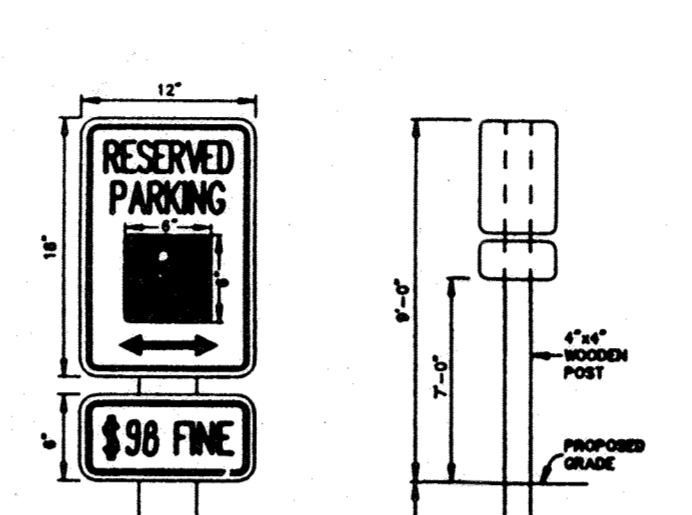
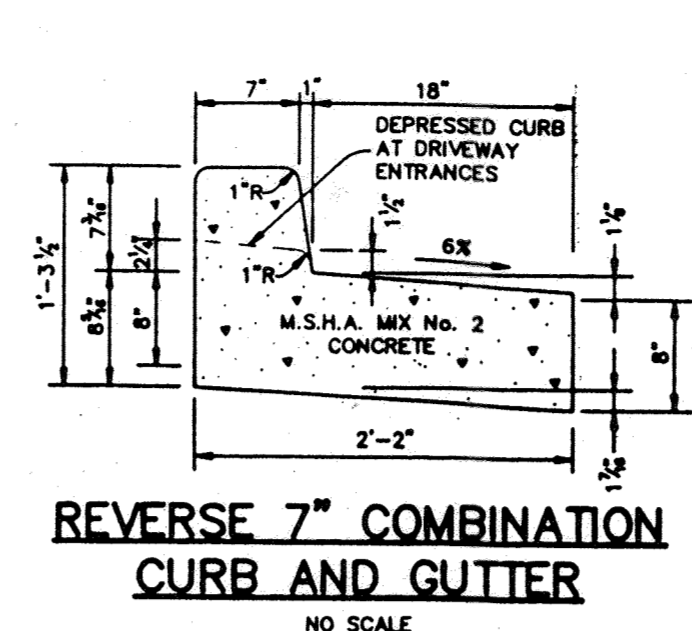


PAVING SECTION
NOT TO SCALE

1. ALL LIGHT FIXTURES TO BE SINGLE LUMINAIRE AND WITH MERCURY VAPOR WITH METAL POLES AND DIRECTED DOWNWARD (GLARE CUT OFF TYPE FIXTURES).
2. LOCATIONS OF LIGHT FIXTURES ARE ON THE PLAN AND ARE SHOWN HERE.
3. LIGHTS TO BE MODULE F TYPE AS MANUFACTURED BY MOLDCAST OR APPROVED EQUAL.
4. POLE AND FIXTURE TO HAVE BLACK POLYESTER ENAMEL FINISH.



LIGHT POLE DETAIL
NO SCALE



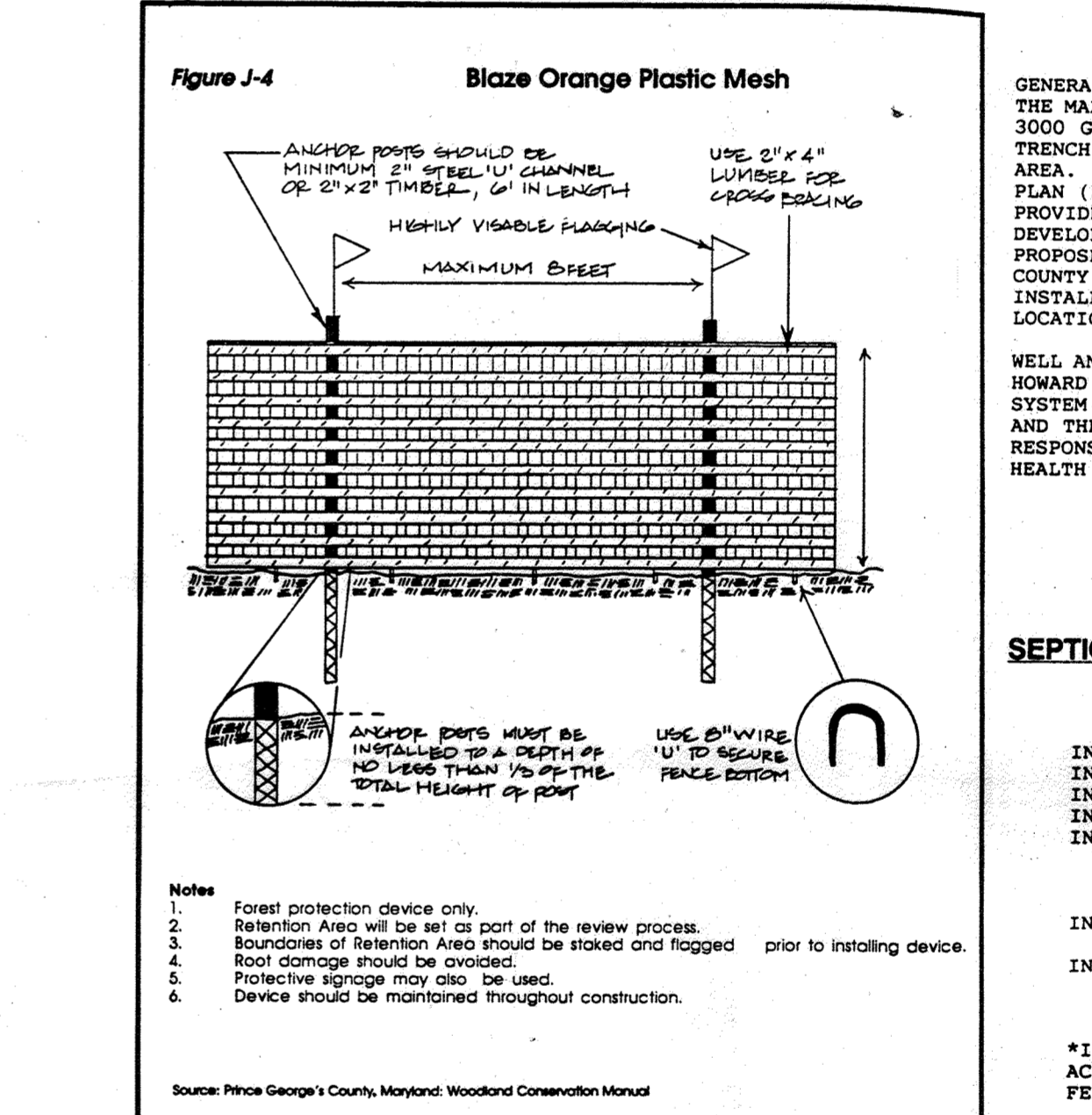
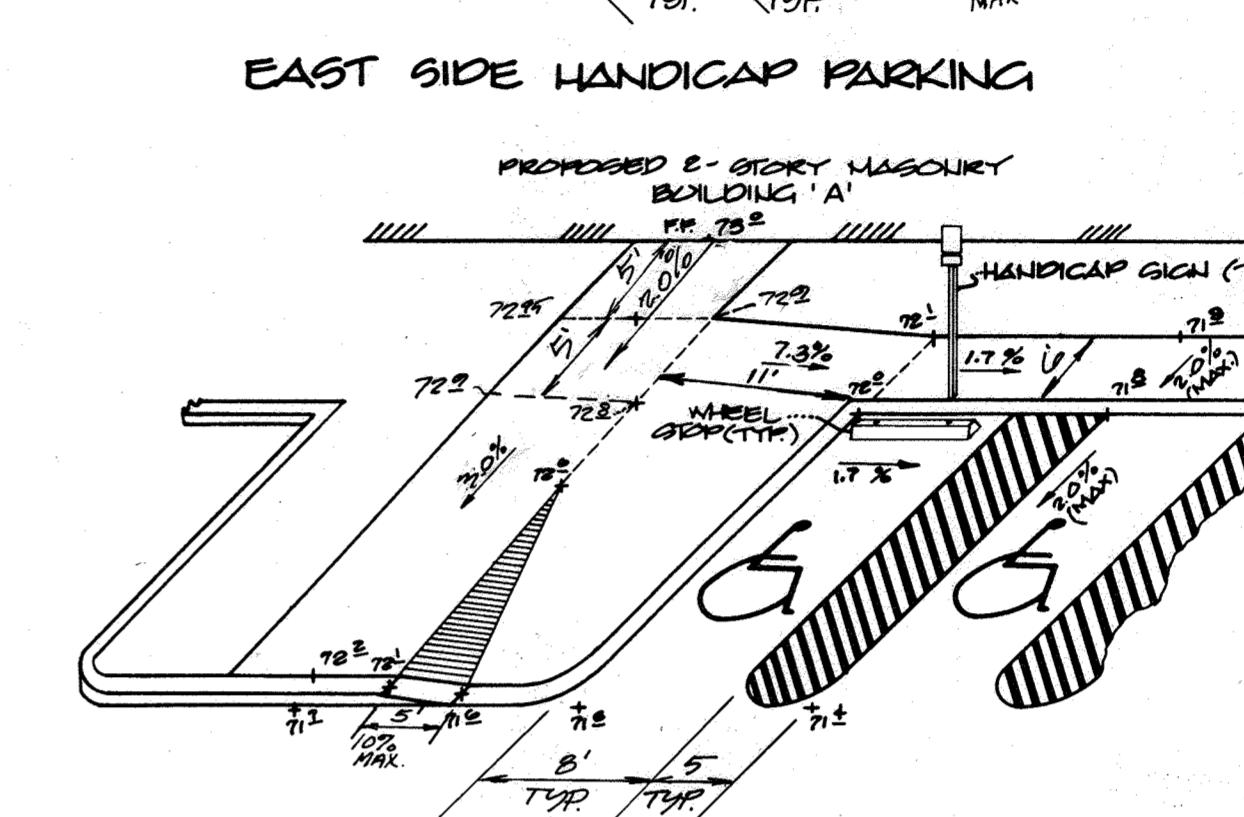
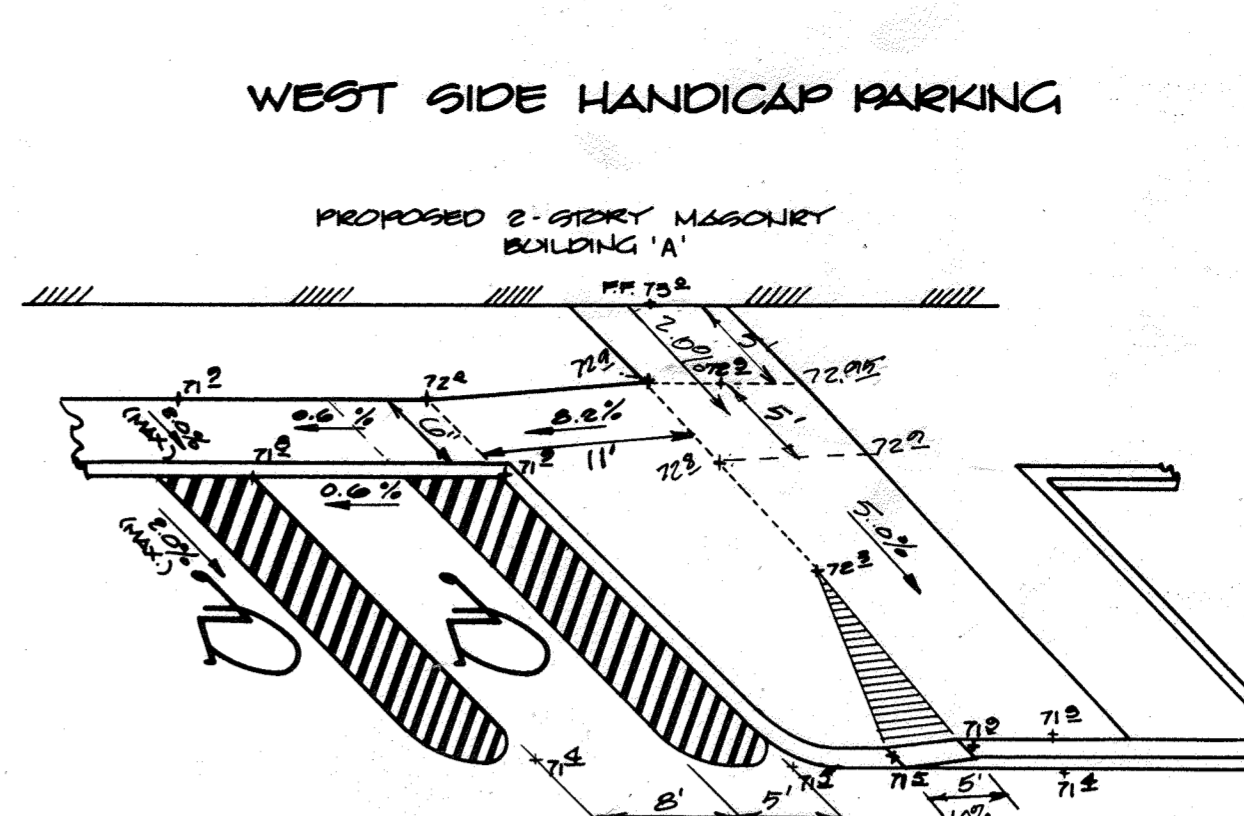
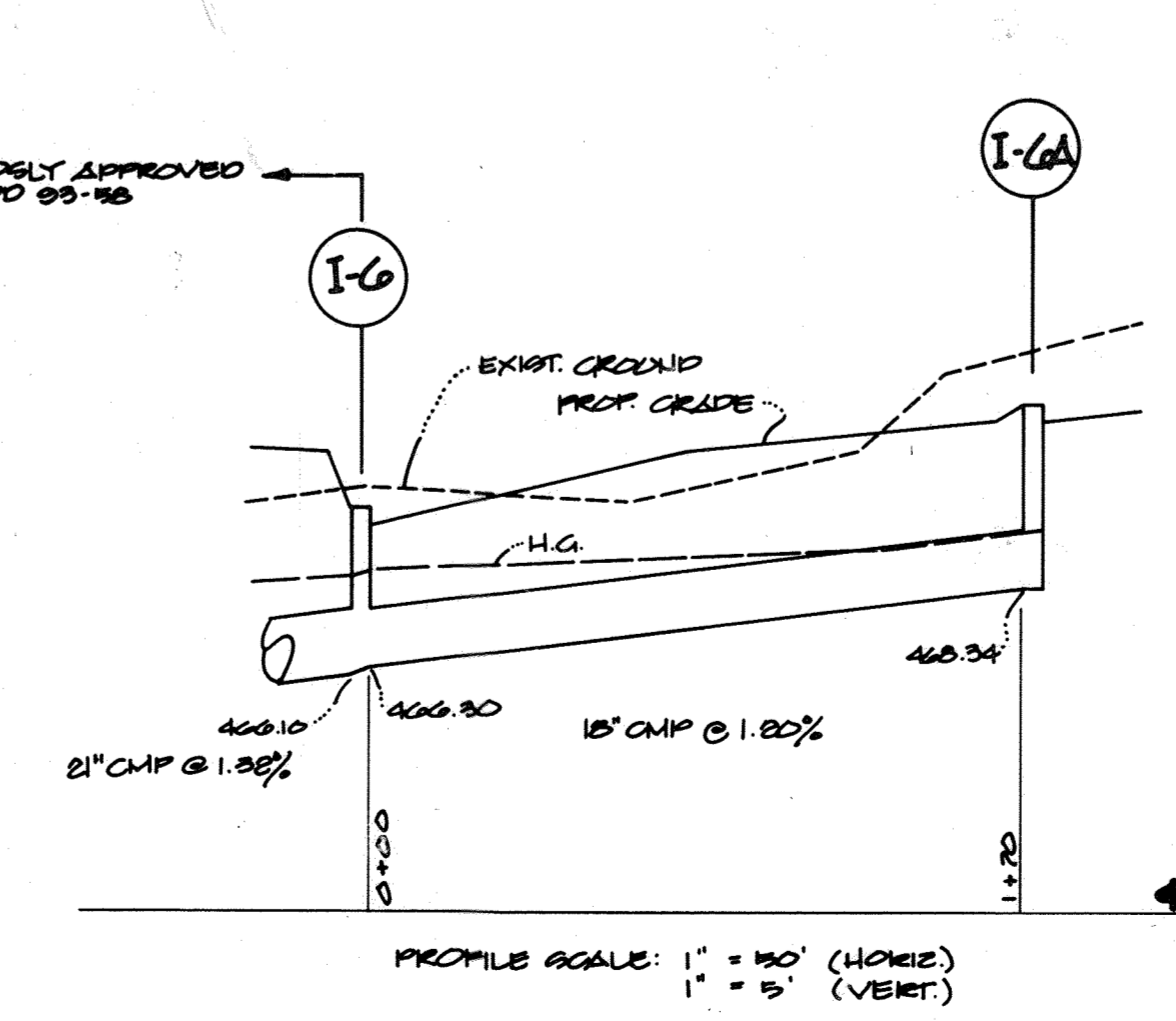
PIPE SCHEDULE

SIZE	TYPE	CLASS/CLASS	LENGTH (FT)
18"	CMP	18	170

STRUCTURE SCHEDULE

N.E.	TYPE	TOP ELEV.	REMARKS
I-6A	A-10 INLET	479.80	NO. CO. STD. AND 4.0E

STORM DRAIN PROFILE



WELL & SEPTIC DATA

GENERAL: THE MAXIMUM SEWAGE DESIGN FLOW ALLOCATION FOR THE SEPTIC SYSTEM IS 3000 GALLONS PER DAY (600 PERSONS @ 5 GPD/PERSON). THE MAXIMUM TRENCH LOADING RATE IS TO BE 1 GAL/SP FT/DAY OF TRENCH SIDEWALL AREA. THE SEPTIC RESERVE AREA AS SHOWN ON THE SITE DEVELOPMENT PLAN (SDP) IS APPROXIMATELY 32,750 SQ. FT. WATER SUPPLY IS TO BE PROVIDED FROM THE EXISTING WELL LOCATION AS SHOWN ON THE SITE DEVELOPMENT PLAN. THE WATER SUPPLY WELL PUMP AND PIPING TO THE PROPOSED BUILDING SHALL BE INSTALLED IN ACCORDANCE WITH HOWARD COUNTY HEALTH DEPARTMENT REQUIREMENTS. A METERING DEVICE IS TO BE INSTALLED ON THE INCOMING WATER SUPPLY LINE IN AN ACCESSIBLE LOCATION WITHIN THE BUILDING.

WELL AND SEPTIC SYSTEMS ARE TO MEET THE CURRENT REQUIREMENTS OF THE HOWARD COUNTY HEALTH DEPARTMENT. THE CONTRACTOR SHALL HAVE ALL SYSTEM COMPONENTS APPROVED BY THE HOWARD COUNTY HEALTH DEPARTMENT AND THE ENGINEER PRIOR TO INSTALLATION. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR COORDINATING THE NECESSARY INSPECTIONS BY THE HEALTH DEPARTMENT.

SEPTIC SYSTEM INVERT AND ELEVATION DATA:

LOCATION	ELEVATION
INVERT 6" PVC SEWER AT BUILDING A	471.00
INVERT IN SEPTIC TANK NO. 3	468.25
INVERT 6" PVC OUT SEPTIC TANK NO. 3	468.00
INVERT IN SEPTIC TANK NO. 2	467.25
INVERT 6" PVC OUT SEPTIC TANK NO. 2	467.00
INVERT 6" PVC SEWER INTO EFFLUENT PUMPING STATION	466.50
INVERT 2" FORCE MAIN OUT OF EFFLUENT PUMPING STATION	470.50*
INVERT 2" FORCE MAIN INTO 1000 GALLON DISTRIBUTION BOX	490.50*

*INVERT OF FORCE MAIN MAY BE ADJUSTED IN FIELD TO MEET ACTUAL CONDITIONS, HOWEVER IT MUST BE SET AT LEAST 2.5 FEET BELOW GROUND SURFACE TO PREVENT FREEZING.

AS BUILT CERTIFICATE

CHARLES T. GRIMSLEY # 11124	DATE
APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.	1-10-95
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	1/20/95
APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.	1/18/95
APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.	1/5/95
APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.	1/8/95

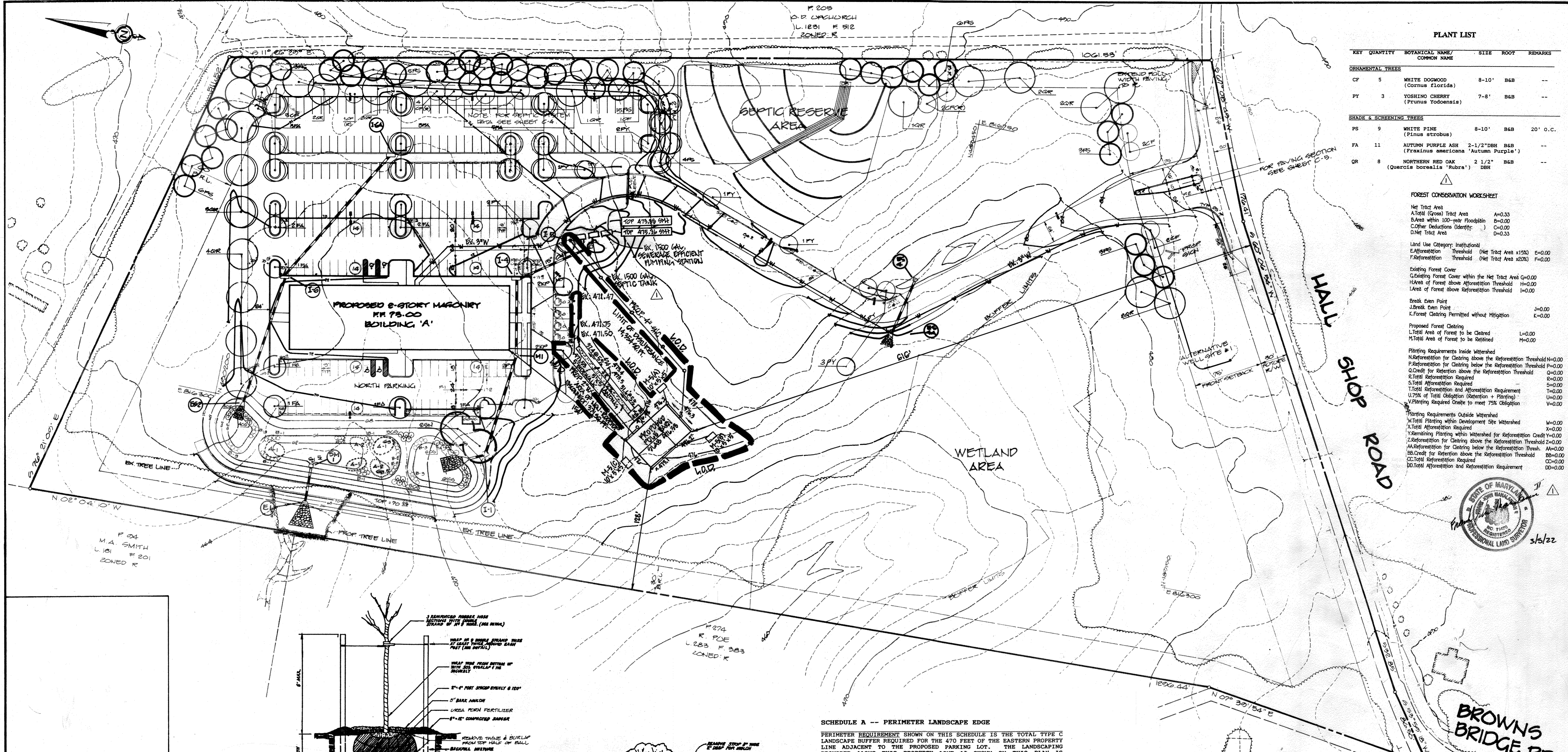
VALLEY BROOK COMMUNITY CHURCH
SEDIMENT CONTROL AND SITE DEVELOPMENT DETAILS
SUPPLEMENT TO SDP 93-58
TAX MAP NO. 40, BLOCK 6, PARCEL 165, ZONED: RR-180
5 TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

LANDMARK ENGINEERING, INC.
1751 ELTON ROAD, SUITE 202
SILVER SPRING, MARYLAND 20903
PHONE: (301) 434-9550
FAX: (301) 434-7427

CONSULTING ENGINEERS PLANNERS SURVEYORS

Drawn BY Scale AS SHOWN Sheet C-3 of 5
Field Book Date JULY 1994 Job No. 0810

SDP 95-04



PLANT LIST

KEY	QUANTITY	BOTANICAL NAME / COMMON NAME	SIZE	ROOT	REMARKS
ORNAMENTAL TREES					
CF	5	WHITE DOGWOOD (Cornus florida)	8-10'	B&B	--
PY	3	YOSHINO CHERRY (Prunus Yodensis)	7-8'	B&B	--
SHADE & SCREENING TREES					
PS	9	WHITE PINE (Pinus strobus)	8-10'	B&B	20' O.C.
FA	11	AUTUMN PURPLE ASH (Fraxinus americana 'Autumn Purple')	2-1/2" DBH	B&B	--
QR	8	NORTHERN RED OAK (Quercus borealis 'Rubra')	2 1/2" DBH	B&B	--

FOREST CONSERVATION WORKSHEET

Net Tract Area
 A.Total (Gross) Tract Area A=0.33
 B.Area within 100-year Floodplain B=0.00
 C.Other Deductions (Identify) C=0.00
 D.Net Tract Area D=0.33

Land Use Category: Institutional
 E.Afforestation Threshold (Net Tract Area x15%) E=0.00
 F.Reforestation Threshold (Net Tract Area x20%) F=0.00

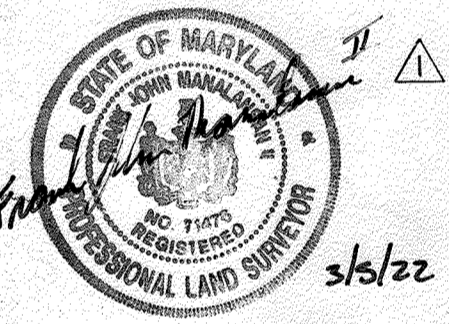
Existing Forest Cover
 G.Existing Forest Cover within the Net Tract Area G=0.00
 H.Area of Forest above Afforestation Threshold H=0.00
 I.Area of Forest above Reforestation Threshold I=0.00

Break Even Point
 J.Break Even Point J=0.00
 K.Forest Clearing Permitted without Mitigation K=0.00

Proposed Forest Clearing
 L.Total Area of Forest to be Cleared L=0.00
 M.Total Area of Forest to be Retained M=0.00

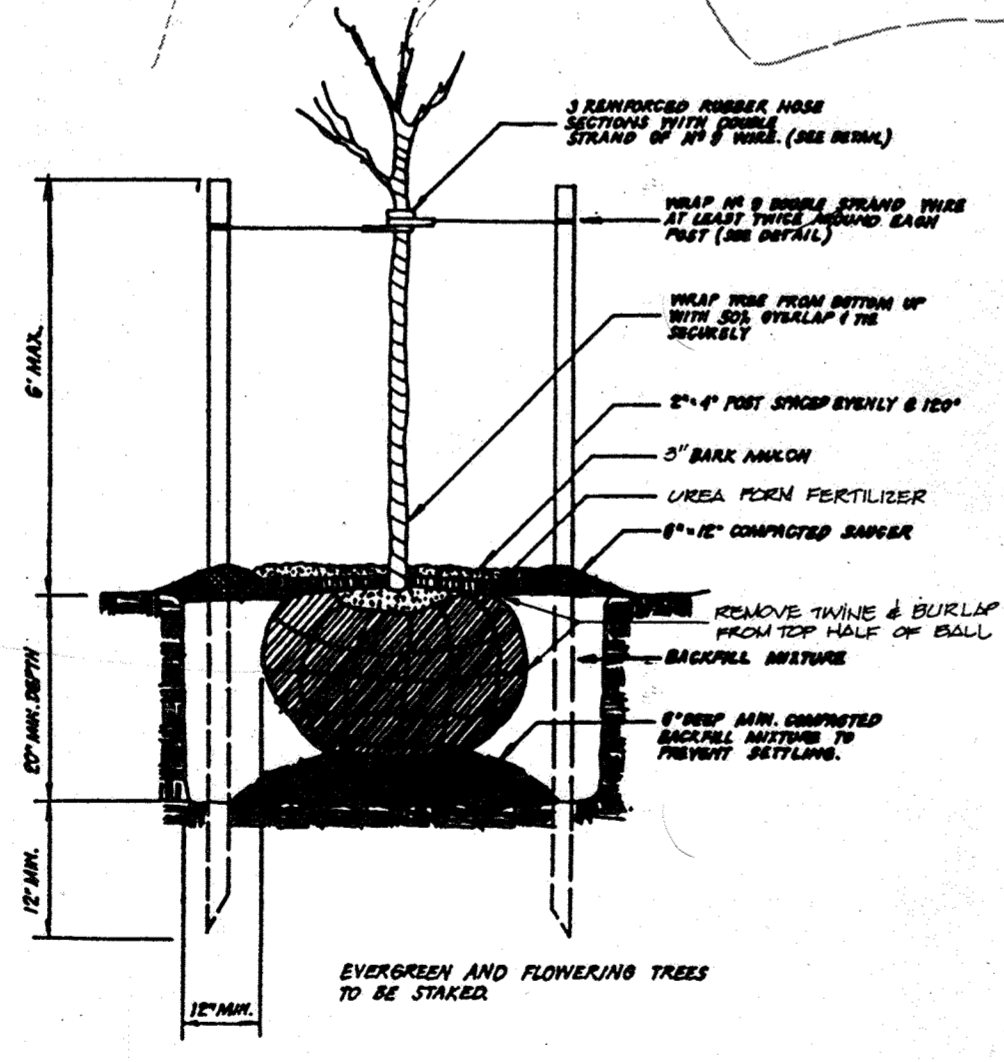
Planting Requirements Inside Watershed
 N.Reforestation for Clearing above the Reforestation Threshold N=0.00
 O.Reforestation for Clearing below the Reforestation Threshold O=0.00
 P.Credit for Retention above the Reforestation Threshold P=0.00
 Q.Total Reforestation Required Q=0.00
 R.Total Afforestation Required R=0.00
 T.Total Reforestation and Afforestation Requirement T=0.00
 U.75% of Total Obligation (Retention + Planting) U=0.00
 V.Planting Required (Credit to meet 75% Obligation) V=0.00

Planting Requirements Outside Watershed
 W.Total Planting within Development Site Watershed W=0.00
 X.Total Afforestation Required X=0.00
 Y.Remaining Planting within Watershed for Reforestation Credit Y=0.00
 Z.Reforestation for Clearing above the Reforestation Threshold Z=0.00
 AA.Reforestation for Clearing below the Reforestation Threshold AA=0.00
 BB.Credit for Retention above the Reforestation Threshold BB=0.00
 CC.Total Reforestation Required CC=0.00
 DD.Total Afforestation and Reforestation Requirement DD=0.00

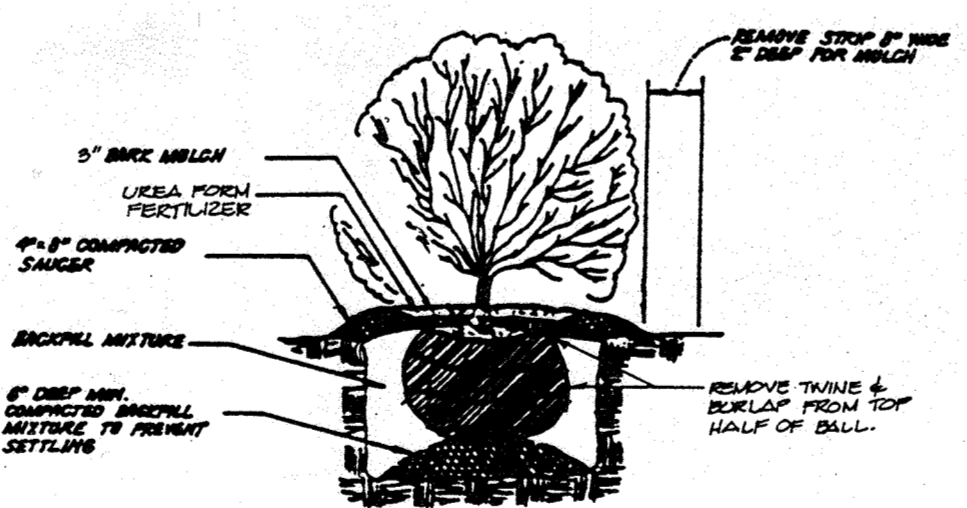


AS BUILT CERTIFICATE

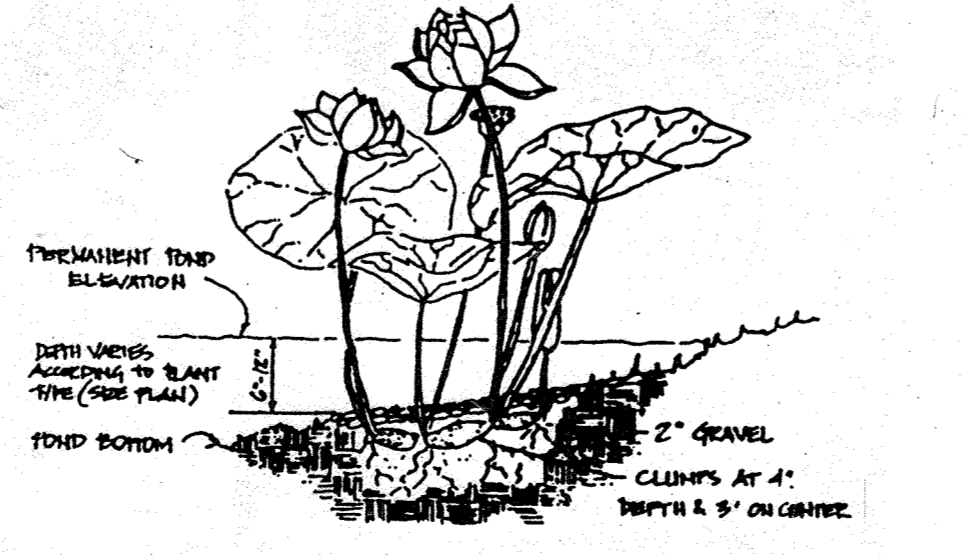
CHARLES T. GRIMSLEY # 11124	DATE	
APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT	DATE	
<i>James M. Smith</i> COUNTY HEALTH OFFICER	1-10-95	
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING	DATE	
<i>James M. Smith</i> DIRECTOR	1/30/95	
<i>Aimee J. Smith</i> CHIEF, DIVISION OF LAND DEVELOPMENT & RESEARCH	1/18/95	
APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS	DATE	
<i>James M. Smith</i> DIRECTOR	1/18/95	
<i>James M. Smith</i> CHIEF, BUREAU OF ENGINEERING	1/19/95	
DATE	NO.	REVISION



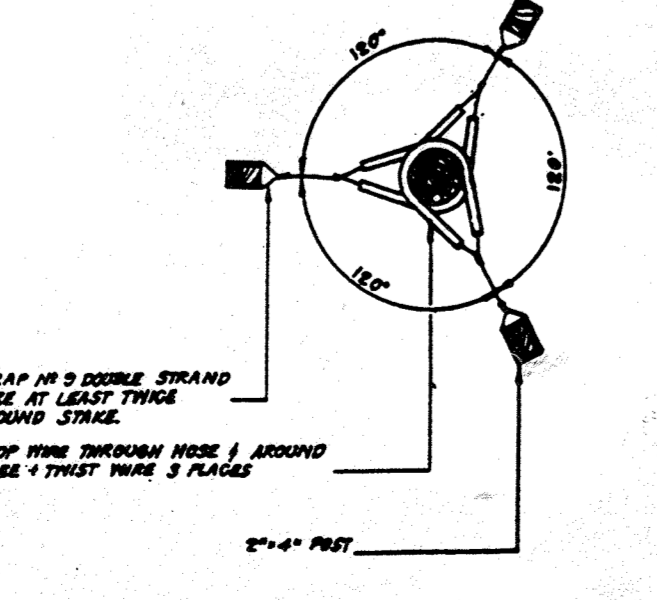
TREE STAKING SECTION
FOR TREE CALIPERS UP TO 1 INCLUDING 3" TREES. NO SCALE.



SHRUB PLANTING DETAIL
NO SCALE.



AQUATIC PLANTING
NO SCALE.



BRACE DETAIL
NO SCALE.

SCHEDULE A -- PERIMETER LANDSCAPE EDGE

PERIMETER REQUIREMENT SHOWN ON THIS SCHEDULE IS THE TOTAL TYPE C LANDSCAPE BUFFER REQUIRED FOR THE 470 FEET OF THE EASTERN PROPERTY LINE ADJACENT TO THE PROPOSED PARKING LOT. THE LANDSCAPING PROVIDED ALONG THIS PROPERTY LINE AS SHOWN ON THIS PLAN IS SUPPLEMENTAL TO THE LANDSCAPING ORIGINALLY APPROVED UNDER SDP 93-58.

CATEGORY	ADJACENT PROPERTY
LANDSCAPE TYPE	C
LINEAR FT. PERIMETER	470'
CREDIT FOR EXISTING VEGETATION	0
NUMBER OF PLANTS REQ'D	
SHADE TREES	11
EVERGREEN TREES OR ORNAMENTAL DECIDUOUS	23
NUMBER OF PLANTS PROVIDED	
SHADE TREES	5
EVERGREEN	5
SMALL DECIDUOUS	5

SCHEDULE B -- PARKING LOT INTERNAL LANDSCAPING

NUMBER OF PARKING SPACES	134
NUMBER OF TREES REQUIRED	
SHADE TREES	15
NUMBER OF TREES PROVIDED	
SHADE TREES	14
SMALL DECIDUOUS	3
EVERGREENS	4
NUMBER OF LANDSCAPE ISLANDS REQUIRED	15
NUMBER OF LANDSCAPE ISLANDS PROVIDED (EQUIVALENT)	25

NOTE:
 1. THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH SECTION 16-184 OF THE HOWARD COUNTY CODE AND THE HOWARD COUNTY LANDSCAPE MANUAL.
 2. FINANCIAL SURETY FOR THE 36 REQUIRED LANDSCAPE TREES IS PART OF THE DEPT. OF PUBLIC WORKS AGREEMENT IN THE AMOUNT OF \$3600.00.

NOTE: THIS PLAN IS TO BE USED FOR LANDSCAPING ONLY!

OWNER:
 VALLEY BROOK COMMUNITY CHURCH
 10705 CHARTER DRIVE, SUITE 340
 COLUMBIA, MD 21044

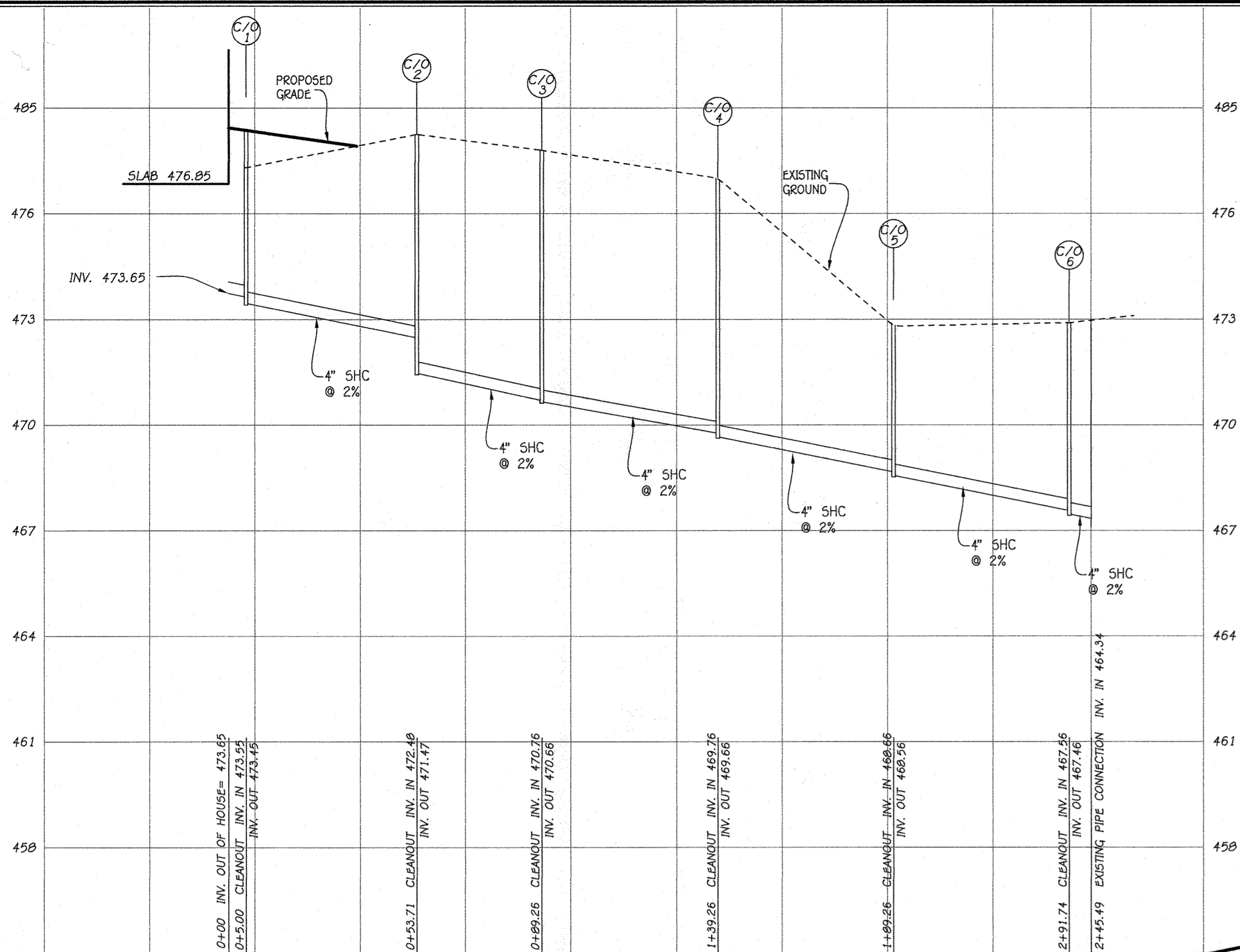
VALLEY BROOK COMMUNITY CHURCH
LANDSCAPE & PLANTING PLAN
 SUPPLEMENT TO SDP 93-58
 TAX MAP NO. 4C, BLOCK 6, PARCEL 165, ZONED: RR: P80
 5 TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

LANDMARK ENGINEERING, INC.
 1751 ELTON ROAD, SUITE 202 SILVER SPRING, MARYLAND 20903
 PHONE: (301) 434-9550 FAX: (301) 434-7427

CONSULTING ENGINEERS PLANNERS SURVEYORS

Drawn BY	Scale 1" = 50'	Sheet C-4	of 5
Field Book	Date JULY 1994	Job No. 9210	

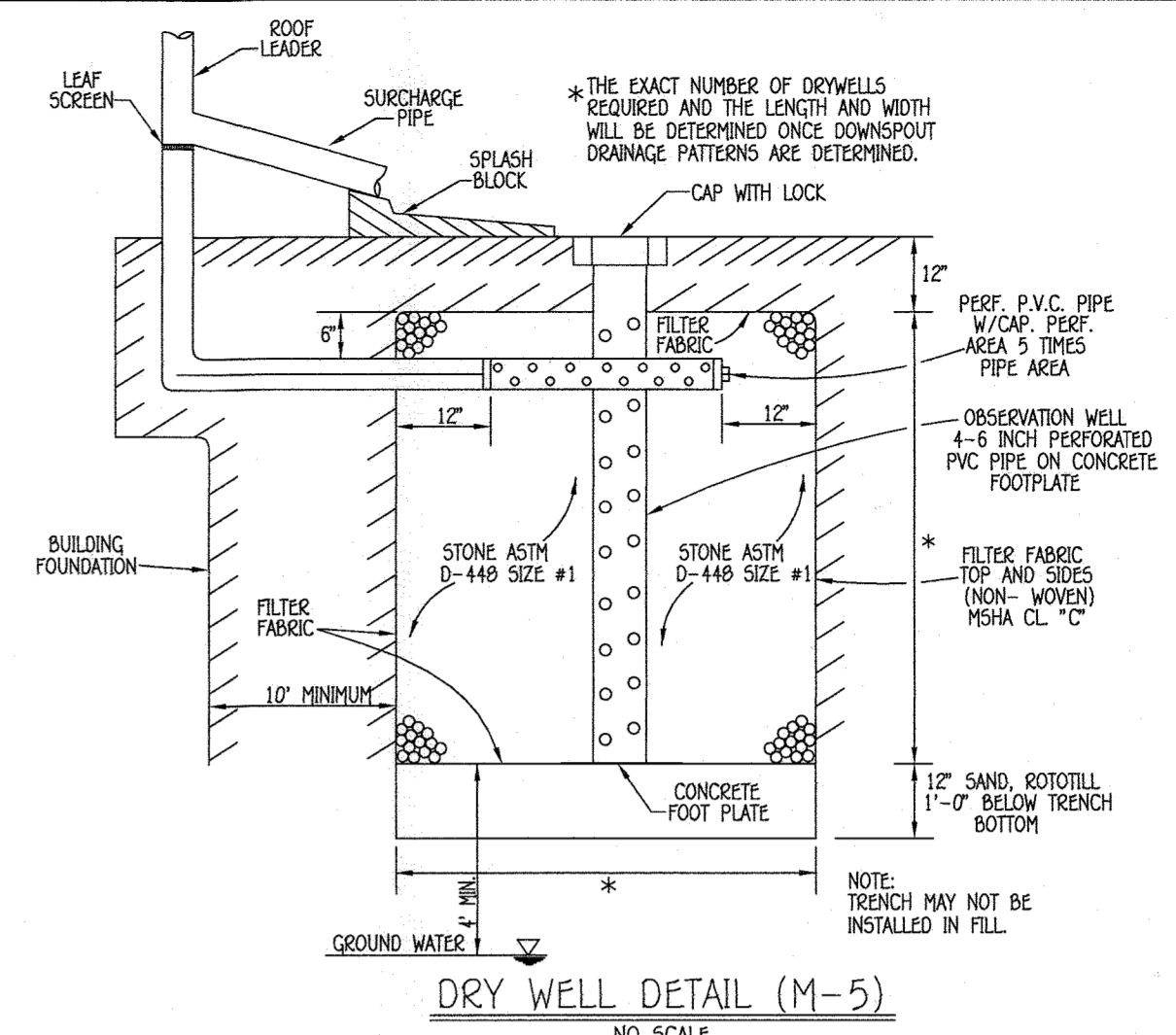
SDP 95-04



SEPTIC PROFILE

SCALE:
HORIZ 1" = 30'
VERT 1" = 3'

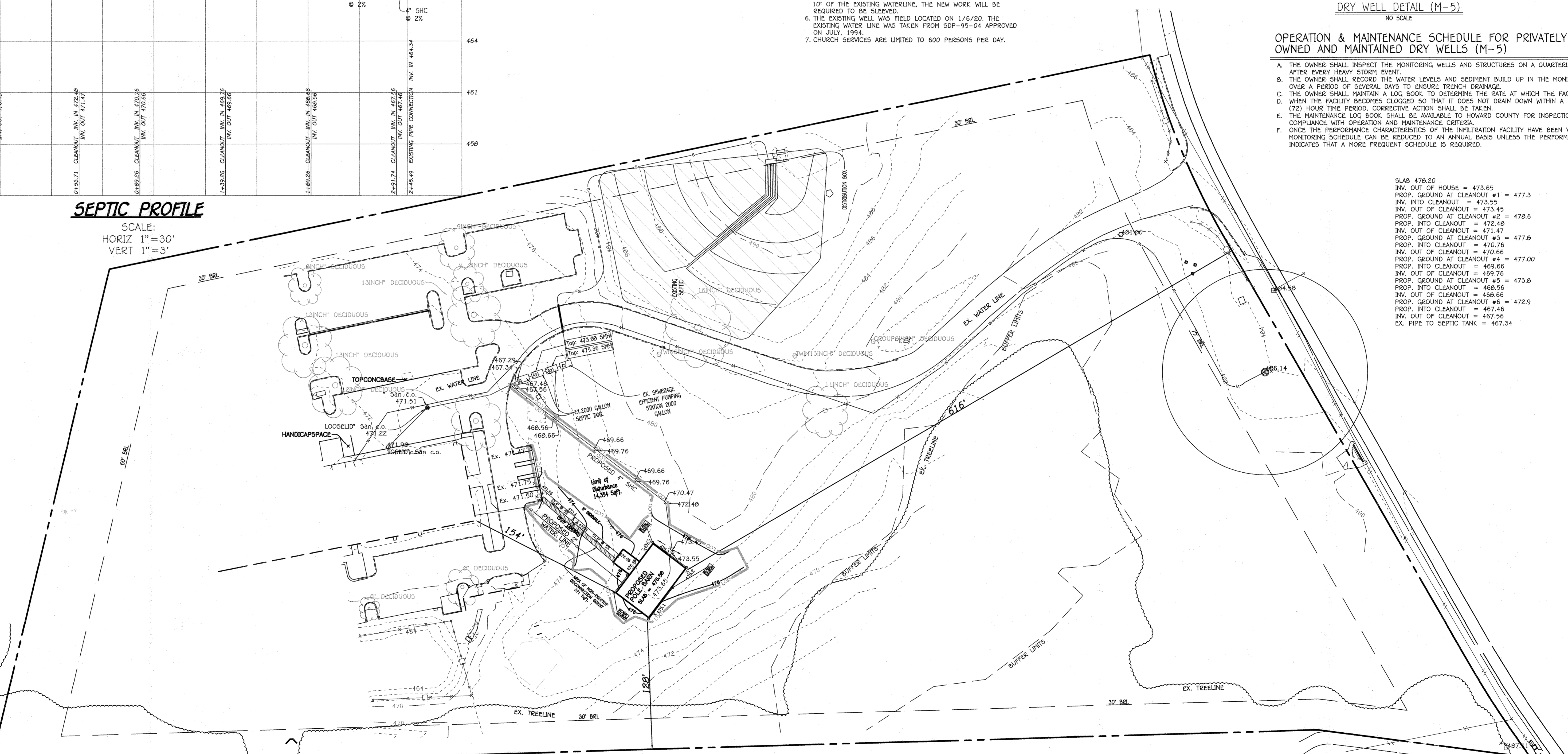
- NOTES:**
1. THE ELEVATIONS ARE BASED ON FIELD RUN TOPO FOR TOP OF TANK SHOTS.
 2. THE PETITIONER PROPOSES TO ENLARGE THE EXISTING RELIGIOUS FACILITY BY CONSTRUCTING A SEPARATE 2,720 SQUARE FOOT MULTIPURPOSE BUILDING FOR VARIOUS ACTIVITIES RELATING TO THE APPROVED USE. MEETINGS WITH 25 TO 40 ATTENDEES WILL OCCUR ON FRIDAY AND SATURDAY EVENINGS TWICE PER MONTH. THE NEW BUILDING WOULD REPLACE A MOBILE STRUCTURE CURRENTLY BEING USED FOR THESE PURPOSES. THE PROPOSED MULTIPURPOSE BUILDING WILL NOTE GENERATING ADDITIONAL SEWERAGE.
 3. THE MAXIMUM SEWERAGE DESIGN FLOW ALLOCATION FOR THE SEPTIC SYSTEM IS 3000 GALLONS PER DAY (600 PERSONS @ 5 GPD/PERSON).
 4. SEE SHEET 3 FOR WELL AND SEPTIC DATA.
 5. SHOULD THE PROPOSED SEWER LINE BE FOUND TO BE WITHIN 10' OF THE EXISTING WATERLINE, THE NEW WORK WILL BE REQUIRED TO BE SLEEVED.
 6. THE EXISTING WELL WAS FIELD LOCATED ON 1/5/20. THE EXISTING WATER LINE WAS TAKEN FROM SDP-95-04 APPROVED ON JULY, 1994.
 7. CHURCH SERVICES ARE LIMITED TO 600 PERSONS PER DAY.



OPERATION & MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED DRY WELLS (M-5)

- A. THE OWNER SHALL INSPECT THE MONITORING WELLS AND STRUCTURES ON A QUARTERLY BASIS AND AFTER EVERY HEAVY STORM EVENT.
- B. THE OWNER SHALL RECORD THE WATER LEVELS AND SEDIMENT BUILD UP IN THE MONITORING WELLS OVER A PERIOD OF SEVERAL DAYS TO ENSURE TRENCH DRAINAGE.
- C. THE OWNER SHALL MAINTAIN A LOG BOOK TO DETERMINE THE RATE AT WHICH THE FACILITY DRAINS.
- D. WHEN THE FACILITY BECOMES CLOGGED SO THAT IT DOES NOT DRAIN DOWN WITHIN A SEVENTY-TWO (72) HOUR TIME PERIOD, CORRECTIVE ACTION SHALL BE TAKEN.
- E. THE MAINTENANCE LOG BOOK SHALL BE AVAILABLE TO HOWARD COUNTY FOR INSPECTION TO INSURE COMPLIANCE WITH OPERATION AND MAINTENANCE CRITERIA.
- F. ONCE THE PERFORMANCE CHARACTERISTICS OF THE INFILTRATION FACILITY HAVE BEEN VERIFIED, THE MONITORING SCHEDULE CAN BE REDUCED TO AN ANNUAL BASIS UNLESS THE PERFORMANCE DATA INDICATES THAT A MORE FREQUENT SCHEDULE IS REQUIRED.

SLAB 476.85	INV. OUT OF HOUSE = 473.65
PROP. GROUND AT CLEANOUT #1	= 477.3
INV. INTO CLEANOUT	= 473.55
INV. OUT OF CLEANOUT	= 473.45
PROP. GROUND AT CLEANOUT #2	= 478.6
PROP. INTO CLEANOUT	= 472.48
INV. OUT OF CLEANOUT	= 471.47
PROP. GROUND AT CLEANOUT #3	= 477.8
PROP. INTO CLEANOUT	= 470.76
INV. OUT OF CLEANOUT	= 470.66
PROP. GROUND AT CLEANOUT #4	= 477.00
PROP. INTO CLEANOUT	= 469.66
INV. OUT OF CLEANOUT	= 469.76
PROP. GROUND AT CLEANOUT #5	= 473.8
PROP. INTO CLEANOUT	= 468.56
INV. OUT OF CLEANOUT	= 468.66
PROP. GROUND AT CLEANOUT #6	= 472.9
PROP. INTO CLEANOUT	= 467.46
INV. OUT OF CLEANOUT	= 467.56
EX. PIPE TO SEPTIC TANK	= 467.34



Approved: Howard County Department Of Planning And Zoning
 Chief, Development Engineering Division
 Chief, Division Of Land Development
 Director, Department of Planning and Zoning

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTONAL SQUARE OFFICE PARK - 10272 SALTPORE NATIONAL PIKE
 ELICOTT CITY, MARYLAND 21042
 (410) 461 - 2995

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER
 DATE: 2/6/22



PROFESSIONAL CERTIFICATION
 "I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21476, EXPIRATION DATE: 07/14/23."

Frank J. Manalansay II
 FRANK J. MANALANSAY
 DATE: 7/5/22

* ADDITIONAL SHEET FOR PROPOSED POLE BARN PER BA-21-023C
SEPTIC LINE CONNECTION
VALLEY BROOK COMMUNITY CHURCH
 SITE DEVELOPMENT PLAN SDP-95-04
 ACCESSORY BUILDING
 TAX MAP No. 40 GRID No. 6 PARCEL No. 165
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE 1" = 50' DATE: MARCH, 2022
 SHEET C-5 OF 5