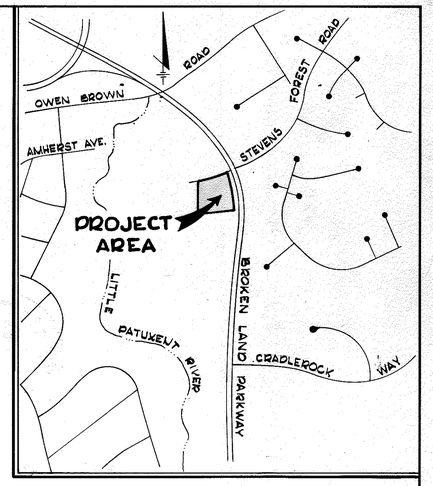
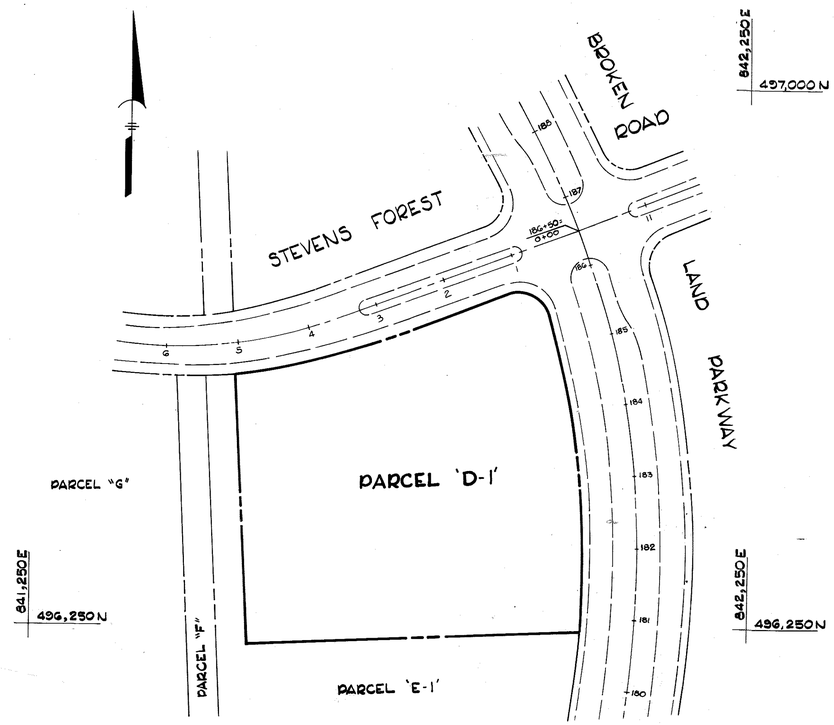
SHEET INDEX	
SHEET	DESCRIPTION
1	TITLE SHEET
2	SITE PLAN
3	DRAINAGE AREA MAP AND STORM WATER MANAGEMENT PLAN
4	SEDIMENT CONTROL PLAN AND DETAILS
5	DETAILS
6	PLANTING PLAN
7	REVISED SITE DEVELOPMENT PLAN



VICINITY MAP
Scale: 1" = 800'

NEW HOPE KOREAN CHURCH

VILLAGE OF OWEN BROWN
SECTION 5, AREA 1
HOWARD COUNTY, MARYLAND



PLAN
Scale: 1" = 100'

GENERAL NOTES

1. ALL WATER LINES SHALL BE CONSTRUCTED A MINIMUM OF 36" COVER BELOW FINISHED GRADE.
2. CORRUGATED STEEL PIPE SECTIONS WILL BE JOINED WITH A SINGLE OR 2 PIECE CORRUGATED BAND WITH A WATERTIGHT NEOPRENE GASKET. DIMPLED BAND CONNECTORS WILL NOT BE PERMITTED.
3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATIONS.
4. APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOW. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
5. THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES, WHERE DIRECTED BY THE ENGINEER, A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS.
6. CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES AT LEAST THREE DAYS BEFORE STARTING WORK SHOWN ON THIS/THESE DRAWINGS:

BELL TELEPHONE SYSTEM	393-3649
LONG DISTANCE CABLE DIVISION	393-3553 or 3554
BALTIMORE GAS AND ELECTRIC CO.	539-8000 Ext.691

7. ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
8. ALL ELEVATIONS SHOWN ARE BASED ON U.S.C. & G.S. MEAN SEA LEVEL DATUM 1929.
9. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
10. THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALLS.
11. PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

Richard E. Friedenberg — Director — 8/22/78 Date

W. O. Talbert — Chief, Bureau of Engineering — 8-22-78 Date

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

Thomas G. Harris for — Planning Director — 9-5-78 Date

Chief, Division of Land Development — 9-5-78 Date

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

Joseph Boyum — County Health Officer — 9-1-78 Date

Date	No	Revision Description
9-16-16	2	RENUMBER SET, NEW OWNER
8-1-1978	1	REVISED AS PER COMMENTS DATED JUNE 21, 1978 & JUNE 22, 1978

OWNER/DEVELOPER
NEW HOPE KOREAN CHURCH
6501 STEVENS FOREST DRIVE
COLUMBIA, MD 21045 (2)

NEW HOPE KOREAN CHURCH (2)
TAX MAP NO. 36, PLAT BOOK NO. 3975
6th Election District, Howard County, Maryland

CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS · PLANNERS
TOWSON, MARYLAND 21204

AREA: VILLAGE OF OWEN BROWN, Section 5 - Area 1, PARCEL 'D-2' (2)

TITLE: TITLE SHEET

Des By A.W.R.	Scale AS SHOWN	Proj No 0378
Drn By P.S.	Date 5-4-78	Drawing No. 1 OF 7
Chk By A.W.R.	Approved	

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 6-21-78

STATE OF MARYLAND — PAUL M. SILL — No. 32025 — PROFESSIONAL ENGINEER
FOR REVISION #2 ONLY

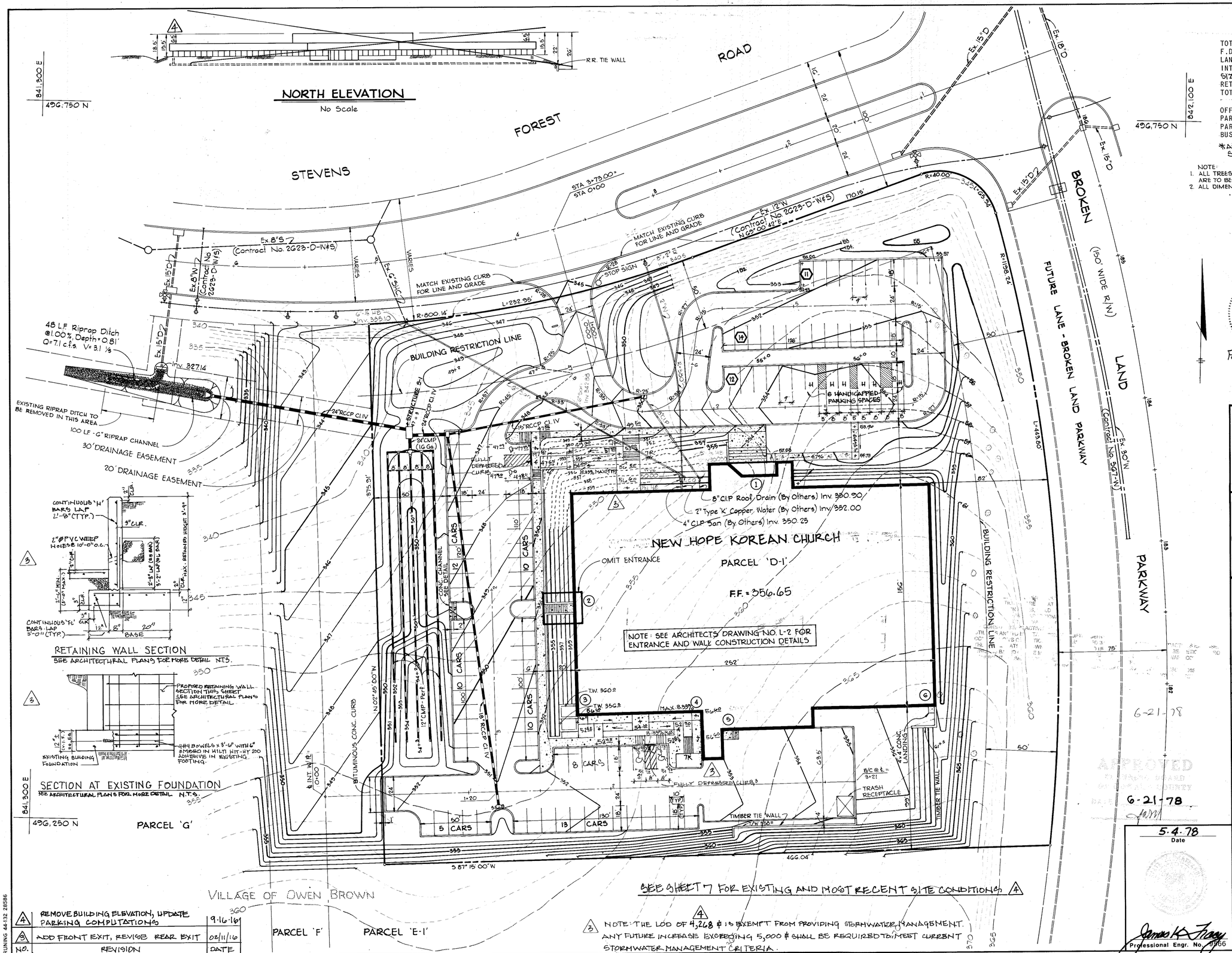
5-4-78 Date

Professional Engr. No. 8586

(2)

SDP-78-111c

BRUNING 44-132 28586



SITE ANALYSIS

TOTAL SITE AREA	4.5 Ac.
F.D.P. PHASE	149-A-2
LAND USE:	EMPLOYMENT CENTER-COMMERCIAL
INTENDED USE:	RELIGIOUS
SIZE OF ASSEMBLY AREA	10,469 S.F.
RETAIL SALES AREA:	NONE
TOTAL BUILDING COVERAGE:	41,512 S.F.
OFFICE USE	
PARKING SPACES REQUIRED	105
PARKING SPACES PROVIDED	125*
BUSINESS	OFFICE USE

*ADDITIONAL 106 SPACES PROVIDED UNDER SDP-89-045. TOTAL PARKING PROVIDED = 211.

NOTE:
1. ALL TREES SHOWN ALONG BROKEN LAND PARKWAY ARE TO BE SAVED WHERE REASONABLE
2. ALL DIMENSIONS ARE TO BACK OF CURB

STATE OF MARYLAND PAUL M. SILL No. 32025 PROFESSIONAL ENGINEER

FOR REVISION #3, #4 ONLY

FOR REVISION #2 ONLY

STATE OF MARYLAND COLLINS PAUL DEGENER No. 19878 REGISTERED PROFESSIONAL ENGINEER

11/9/98

DAFT - McCUNE - WALKER, INC.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

Richard E. Fronckenberger — Director — 8/22/78 Date

W. O. Gilbert — Chief, Bureau of Engineering — 8-22-78 Date

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

Thomas G. Harris Jr. — Planning Director — 9-5-78 Date

Chief, Division of Land Development — 9-5-78 Date

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

Joyce M. Boylan — County Health Officer — 9-1-78 Date

Date	No	Revision Description
8-1-1978	1	REVISED AS PER COMMENTS DATED JUNE 21, 1978 & JUNE 22, 1978
10-21-98	2	REVISED PKG & HANDICAPPED ACCESS.

OWNER/DEVELOPER
NEW HOPE KOREAN CHURCH
6301 STEVENS FOREST DRIVE
COLUMBIA, MD 21045

NEW HOPE KOREAN CHURCH
TAX MAP NO. 36, PLAT BOOK NO.
6th Election District, Howard County, Maryland

CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS · PLANNERS
TOWSON, MARYLAND 21204

5-4-78 Date

James K. Tracy — Professional Engr. No. 8566

AREA: VILLAGE OF OWEN BROWN, Section 5 - Area 1, PARCEL 'D-2'

TITLE: SITE PLAN

Des By A.W.R.	Scale 1" = 30'	Proj No 0378
Drn By R.J.W.	Date 5-4-78	Drawing No. 2 OF 7
Chk By J.K.T.	Approved	

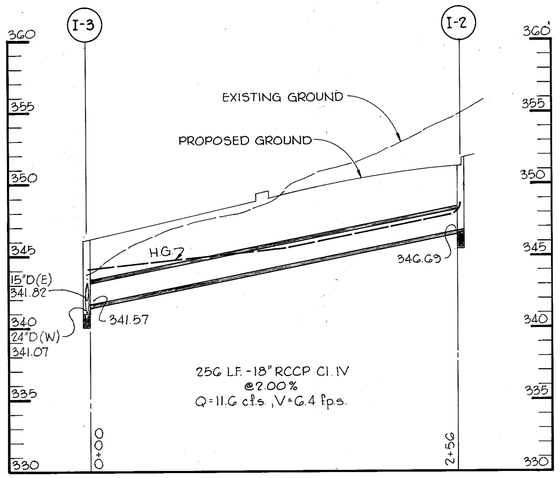
No.	REVISION	DATE
4	REMOVE BUILDING ELEVATION, UPDATE PARKING COMPUTATIONS	9-16-16
3	ADD FRONT EXIT, REVISE REAR EXIT	02/11/16

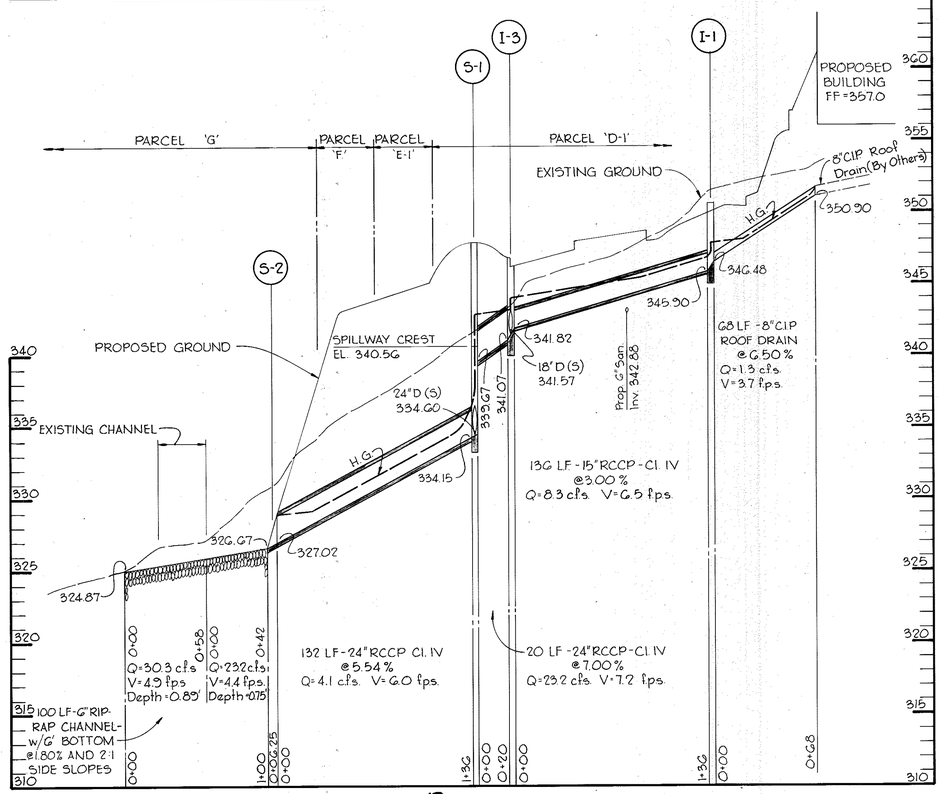
3 NOTE: THE LOD OF 4,268 # IS EXEMPT FROM PROVIDING STORMWATER MANAGEMENT. ANY FUTURE INCREASE EXCEEDING 5,000 # SHALL BE REQUIRED TO MEET CURRENT STORMWATER MANAGEMENT CRITERIA.

BRUNING 44-132 28586

SDP-78-111c

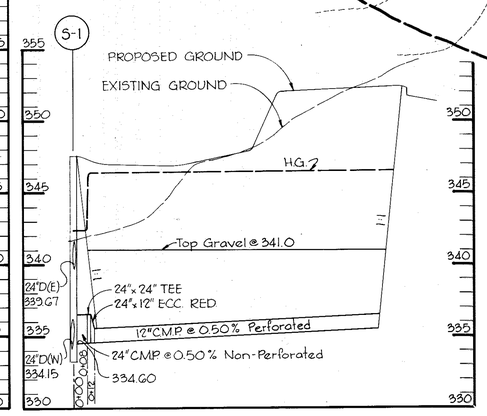
STRUCTURE SCHEDULE					
NO.	TYPE	REMARKS	INV. IN	INV. OUT	TOP ELEV.
I-1	DBL.'S' COMB.	HC STD.D-99, PG.154	346.48	345.90	350.60
I-2	DBL.'S' COMB.	HC STD.D-99, PG.154	-	346.69	351.90
I-3	DBL.'S' COMB.	HC STD.D-99, PG.154	341.82	341.07	346.60
S-1	SPECIAL VAULT	SEE DETAIL SHEET	339.67	334.15	347.50
S-2	CONC. END SECT.	SEE DETAIL SHEET	327.02	326.67	-

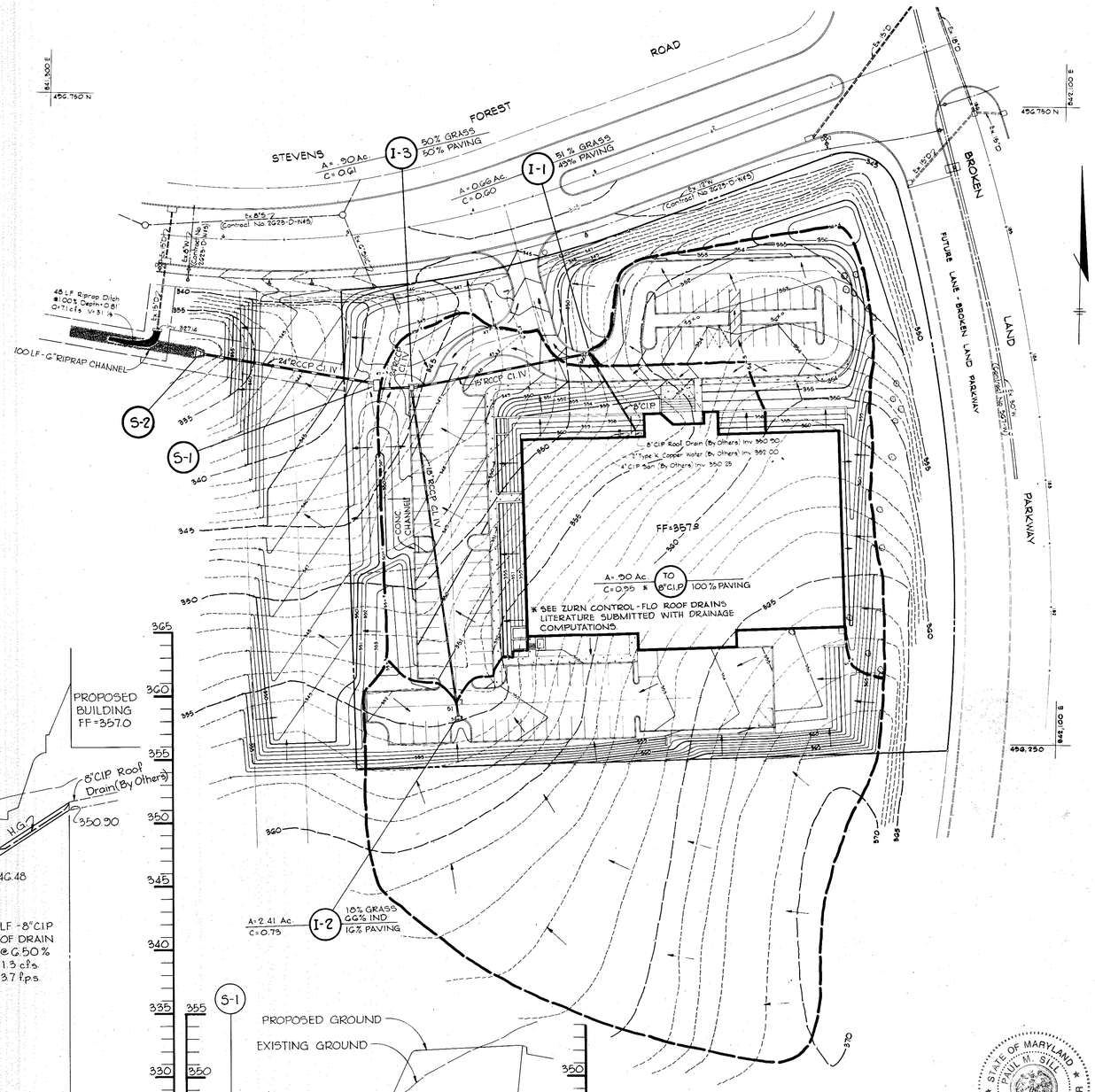




PROFILE

Scale: H: 1"=50' V: 1"=5'





CERTIFICATION BY THE DEVELOPER:

"I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS OF DEVELOPMENT AND PLANS FOR PONDS AND EROSION AND SEDIMENT CONTROL AND I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY". DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT.

Alfred Scaglen V.P. — Signature of Developer — 4/7/78 Date

CERTIFICATION BY THE ENGINEER:

"I CERTIFY THAT THIS PLAN FOR PONDS, 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".

James K. Tracy — Signature - James K. Tracy — 5-4-78 Date

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

C. Wayne Ray — Signature, U.S. Soil Conservation Service. — 8-9-78 Date

THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

APPROVED: Howard S.C.D. — 8-9-78 Date

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

Richard E. Brenderberger — Director — 8/22/78 Date
W. O. Gilbert — Chief, Bureau of Engineering — 8-22-78 Date

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

Thomas G. Harris — Planning Director — 9-5-78 Date
John W. Mudd — Chief, Division of Land Development — 9-5-78 Date

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

Joseph Boyd — County Health Officer — 9-1-78 Date

Date	No	Revision Description
9-16-16	2	RENUMBER SET, NEW OWNER
8-1-1978	1	REVISED AS PER COMMENTS DATED JUNE 21, 1978 & JUNE 22, 1978

OWNER/DEVELOPER
NEW HOPE KOREAN CHURCH
6301 STEVENS FOREST DRIVE
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NEW HOPE KOREAN CHURCH
TAX MAP NO. 36, PLAT BOOK NO. 3975
6th Election District, Howard County, Maryland

STATE OF MARYLAND — PAUL M. SILL — No. 32025 — PROFESSIONAL ENGINEER

FOR REVISIONS #2 ONLY

5-4-78 Date

APPROVED PLANNING BOARD OF HOWARD COUNTY DATE 6-21-78

James K. Tracy — Professional Engr. No. 8566

CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS · PLANNERS
TOWSON, MARYLAND 21204

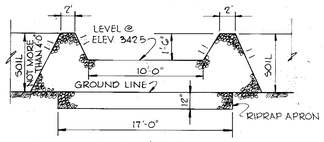
AREA: VILLAGE OF OWEN BROWN, Section 5 - Area 1, PARCEL 'D-2'

TITLE: DRAINAGE AREA MAP

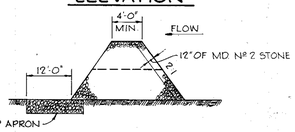
Des By A.W.R.	Scale 1"=50'	Proj No 0378	
Drn By R.J.W.	Date 5-4-78	Drawing No. 3 OF 7	
Chk By J.K.T.	Approved		

SDP-78-111c

BRUNING 44.132 28566



ELEVATION



SECTION

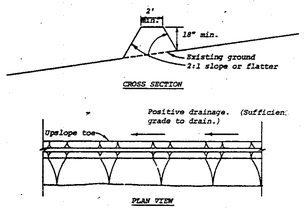
NOTE: THIS DETAIL TO BE USED IN CONJUNCTION WITH STANDARDS AND SPEC. Nº 17.01 FOR STONE OUTLET STRUCTURE

Q = 35 CFS , VELOCITY AT CRITICAL DEPTH = 4.6 FPS

STONE OUTLET STRUCTURE

No Scale

PHASE 1 & 2



Construction Specifications

1. All dikes shall be machine compacted.
2. All perimeter dikes shall have positive drainage to an outlet.
3. A. Diverted runoff from a protected or stabilized upland area shall outlet directly onto an undisturbed stabilized area or into a level spreader or grade stabilization structure.
   B. Diverted runoff from a disturbed or exposed upland area shall be conveyed to a sediment trapping device such as sediment trap or a sediment basin or to an area protected by any of these practices.
4. Stabilization, when required, shall be done in accordance with Standard and Specifications for Grassed Waterway. The minimum area to be stabilized shall be the channal flow area.
5. Periodic inspection and required maintenance shall be provided.

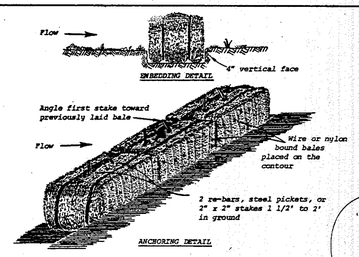
Standard Symbol PD

* Drainage area less than 5 acres

PERIMETER DIKE

No Scale

PHASE 1



Construction Specifications

1. Bales shall be placed in a row with ends tighly abutting the adjacent bales.
2. Each bale shall be embedded in the soil a minimum of 4".
3. Bales shall be securely anchored in place by stakes or re-bars driven through the bales. The first stake in each bale shall be angled toward previously laid bale to force bales together.
4. Inspection shall be frequent and repair or replacement shall be made promptly as needed.
5. Bales shall be removed when they have served their usefulness so as not to block or impede storm flow or drainage.

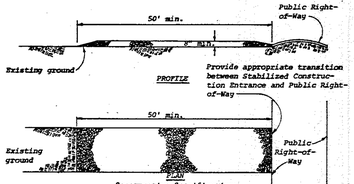
Standard Symbol SBD

* Drainage area less thm 1/2 acre.

STRAW BALE DIKE

No Scale

PHASE 1



Construction Specificaions

1. Stone size - Use MSHA size No. 2 (2-1/2" to 1") or AASHTO designation M43, size No. 2 (2-1/2" to 1-1/2"). Use crushed stone.
2. Length - As effective, but not less than 50 feet.
3. Thickness - Not less than eight (8) inches.
4. Width - Not less than full width of all points of ingress or egress.
5. Washing - When necessary, wheels shall be cleaned to remove sediment prior to entrance onto public right-of-way. When washing is required, it shall be done on an area stabilized with crushed stone which drains into an approved sediment trap or sediment basin. All sediment shall be prevented from entering any storm drain, ditch, or watercourse through use of sand bags, gravel, boards or other approved methods.
6. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.

Standard Symbol SCE

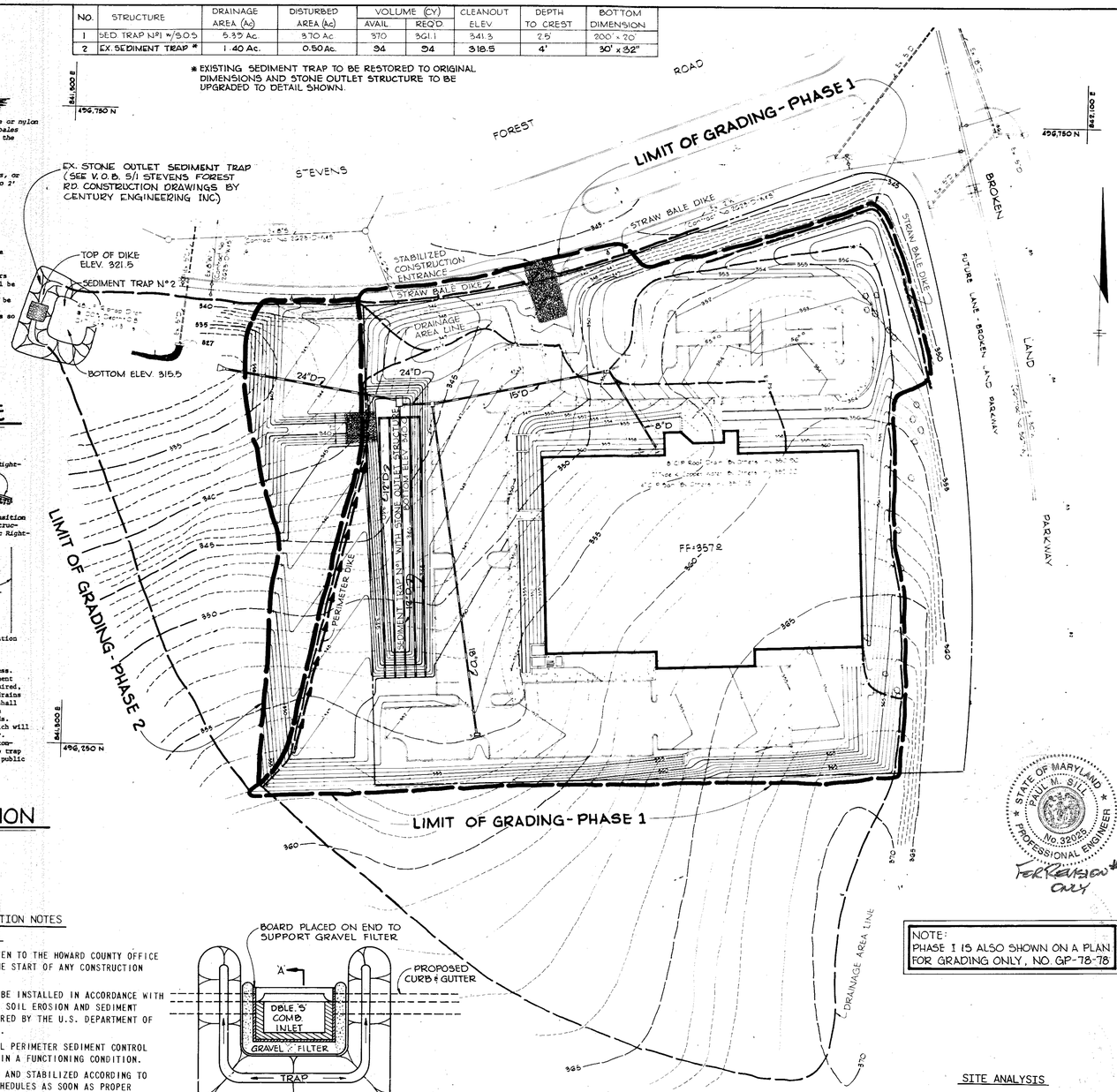
STABILIZED CONSTRUCTION ENTRANCE

No Scale

PHASE 1

NO.	STRUCTURE	DRAINAGE AREA (Ac)	DISTURBED AREA (Ac)	VOLUME (CY)		CLEANOUT ELEV	DEPTH TO CREST	BOTTOM DIMENSION
				AVAIL	REQ'D			
1	SED TRAP Nº1 w/SOS	5.35 Ac.	3.70 Ac	370	361.1	341.3	2.5'	200' x 20'
2	EX. SEDIMENT TRAP *	1.40 Ac.	0.50 Ac.	94	94	318.5	4'	30' x 32'

* EXISTING SEDIMENT TRAP TO BE RESTORED TO ORIGINAL DIMENSIONS AND STONE OUTLET STRUCTURE TO BE UPGRADED TO DETAIL SHOWN.



STATE OF MARYLAND PAUL M. SILL No. 32025 PROFESSIONAL ENGINEER

FOR REVIEW #2 ONLY

NOTE:
PHASE I IS ALSO SHOWN ON A PLAN FOR GRADING ONLY, NO GP-78-78

TEMPORARY SEEDING

AREA TO BE SEEDED SHALL BE RECENTLY LOOSENED. IF THE GROUND IS PACKED, CRUSTED OR HARD, THE TOP LAYER OF SOIL SHALL BE LOOSENED BY DISCING, RACKING OR OTHER ACCEPTABLE MEANS.

A. APPLY 10-20-10 FERTILIZER (OR EQUIVALENT) AT THE RATE OF 600 LBS. PER ACRE OR 15 LBS. PER 1000 SQ. FT.

B. WHERE SOIL IS KNOWN TO BE HIGHLY ACID, APPLY DOLOMITIC LIMESTONE AT THE RATE OF 1 TON. PER ACRE.

C. WORK BOTH INTO SOIL AND SEED WITH CYCLONE SEEDER, DRILL, CULTIPAKER SEEDER OR HYDROSEEDER (SLURRY WILL INCLUDE SEED AND FERTILIZER) AT THE RATE OF 40 LBS. PER ACRE OF ITALIAN OR PERENNIAL RYEGRASS.

D. MULCH WITH UNWEATHERED SMALL GRAIN STRAW AT THE RATE OF 1 1/2 TO 2 TONS. PER ACRE AND ANCHOR WITH A CUTBACK ASPHALT OR EMULSIFIED ASPHALT AT THE RATE OF 5 GAL. PER 1000 SQ. FT.

PERMANENT SEEDING

FINAL STABILIZATION WILL TAKE PLACE AS SOON AS POSSIBLE AS WEATHER CONDITIONS PERMIT, AS FOLLOWS:

A. APPLY DOLOMITIC LIMESTONE AT THE RATE OF 2 TONS. PER ACRE (ONE TON PER ACRE IF APPLICATION OF TON PER ACRE WAS MADE FOR TEMPORARY SEEDING).

B. APPLY 0-20-20 FERTILIZER AT THE RATE OF 600 LBS. PER ACRE. HARROW OR DISC LIME AND 0-20-20 FERTILIZER INTO THE SOIL TO A MINIMUM DEPTH OF 3" LAWNS OR HIGH MAINTENANCE AREAS WILL BE DRAGGED AND LEVELED WITH A YORK RAKE. AT THE TIME OF SEEDING APPLY 400 POUNDS OF 38-0-0 UREAFORM FERTILIZER AND 500 LBS. OF 10-20-20 OR EQUIVALENT FERTILIZER PER ACRE.

C. SEED WITH A MIXTURE OF CERTIFIED "MERION" KENTUCKY BLUEGRASS @ 40 LBS. PER ACRE; COMMON KENTUCKY BLUEGRASS @ 40 LBS. PER ACRE; RED FESCUE, PENNLAWN OR JAMESTOWN @ 20 LBS. PER ACRE.

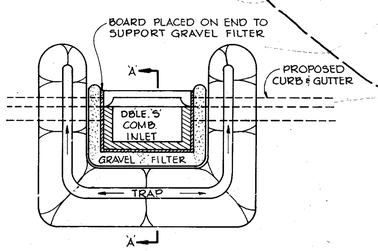
D. MULCH WITH UNWEATHERED SMALL GRAIN STRAW AT THE RATE OF 1 1/2 TO 2 TONS. PER ACRE AND ANCHOR WITH A CUTBACK ASPHALT OR EMULSIFIED ASPHALT AT THE RATE OF 5 GAL. PER 1000 SQ. FT.

E. SEED ALL SLOPES WITH A MIXTURE OF CERTIFIED KENTUCKY 31 TALL FESCUE @ 50 LBS. PER ACRE AND INOCULATED KOREAN LESPEDEZA @ 15 LBS. PER ACRE.

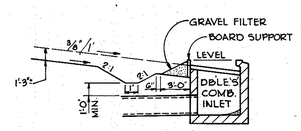
SEDIMENT CONTROL CONSTRUCTION NOTES

GENERAL NOTES

1. A MINIMUM 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (922-2070).
2. ALL SEDIMENT CONTROL STRUCTURES WILL BE INSTALLED IN ACCORDANCE WITH "THE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS" AS PREPARED BY THE U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE.
3. SITE GRADING WILL BEGIN ONLY AFTER ALL PERIMETER SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED AND ARE IN A FUNCTIONING CONDITION.
4. ALL DISTURBED AREAS ARE TO BE DRESSED AND STABILIZED ACCORDING TO THE TEMPORARY OR PERMANENT SEEDING SCHEDULES AS SOON AS PROPER WEATHER CONDITIONS EXIST FOR THE ESTABLISHMENT OF A PERMANENT VEGETATIVE COVER.
5. SEDIMENT WILL BE REMOVED FROM TRAPS WHEN THE DEPTH REACHES THE CLEAN OUT ELEVATION SHOWN ON THE PLANS.
6. FERTILIZER AND LIME RATES MAY BE CHANGED THROUGH AUTHORIZATION BY THE HOWARD SOIL CONSERVATION DISTRICT IF SOIL TESTS DETERMINE A REDUCTION IN THE SPECIFIED RATES IS JUSTIFIED.
7. 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.
8. REFERENCES CALLED FOR ON THE SEDIMENT CONTROL CONSTRUCTION PLAN AND DETAILS ARE MADE TO "THE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS".
9. NO STORM DRAINS SHALL BE INSTALLED UNDER PHASE I.
10. SEDIMENT CONTROL WILL BE INSTALLED BEFORE CLEARING AND GRUBBING REMAINDER OF SITE.
11. ALL STORM DRAINS CONSTRUCTING PHASE II SHALL BE BLOCKED WITH PLYWOOD AT THE END OF EACH DAYS WORK.



PLAN



SECTION "A-A"

TYPICAL INLET BLOCKING

No Scale

SITE ANALYSIS

SITE AREA	4.5 Acres
DISTURBED AREAS	4.4 Acres
IMPERVIOUS AREA	2.0 Acres
AREA TO BE PERMANENTLY REVEGETATED:	1.8 Acres

SEQUENCE OF CONSTRUCTION - PHASE I

1. OBTAIN A GRADING PERMIT.
2. INSTALL STABILIZED CONSTRUCTION ENTRANCE.
3. INSTALL STRAW BALE DIKES.
4. INSTALL SEDIMENT TRAP NO. 1 WITH STONE OUTLET STRUCTURE AND SEED PER TEMPORARY SEEDING NOTES.
5. INSTALL PERIMETER DIKE AND SEED PER TEMPORARY SEEDING NOTES.
6. ROUGH GRADE SITE WITHIN LIMIT OF GRADING PHASE I AND SEED PER TEMPORARY SEEDING NOTES.
7. ALL SEDIMENT CONTROL STRUCTURES BUILT UNDER PHASE I ARE TO BE UPGRADED TO ORIGINAL CONDITION AND ARE TO REMAIN IN PLACE UNTIL PHASE 2 GRADING BEGINS.

SEQUENCE OF CONTRUCTION - PHASE II

1. BEGIN PHASE II AFTER GETTING APPROVAL FROM THE SEDIMENT CONTROL INSPECTOR BY UPGRADING EXISTING STONE OUTLET SEDIMENT TRAP.
2. REMOVE SEDIMENT TRAP NO 1 CONSTRUCTED UNDER PHASE I
3. CONSTRUCT STORM WATER MANAGEMENT FACILITY.
4. INSTALL STORM DRAINS.
5. BLOCK INLETS PER DETAIL.
6. ROUGH GRADE WITHIN LIMIT OF GRADING PHASE II AND SEED PER TEMPORARY SEEDING NOTES.
7. INSTALL.

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 6-21-78

5.4.78
Date

STATE OF MARYLAND

James K. Tracy
Professional Engr. No. 8166

CERTIFICATION BY THE DEVELOPER:

"I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS OF DEVELOPMENT AND PLANS FOR PONDS AND EROSION AND SEDIMENT CONTROL AND I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY". DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT.

Alfred Schaplen V.P. — Signature of Developer — 4/27/78 Date

CERTIFICATION BY THE ENGINEER:

"I CERTIFY THAT THIS PLAN FOR PONDS, 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".

James K. Tracy — Signature - James K. Tracy — 5/4/78 Date

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

C. Wayne Ray — Signature, U.S. Soil Conservation Service — 8-8-78 Date

THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

APPROVED: Howard S.C.D. — 8-9-78 Date

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

Director — 8/22/78 Date

W O Talbert — Chief, Bureau of Engineering — 8-22-78 Date

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

Planning Director — 9-5-78 Date

Chief, Division of Land Development — 9-5-78 Date

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

County Health Officer — 9-1-78 Date

Date	No	Revision Description
9-16-16	2	RENUMBER SET, NEW OWNER
8-1-1978	1	REVISED AS PER COMMENTS DATED JUNE 21, 1978 & JUNE 22, 1978

OWNER/DEVELOPER

NEW HOPE KOREAN CHURCH
6301 STEVENS FOREST ROAD
COLUMBIA, MD. 21045

NEW HOPE KOREAN CHURCH
TAX MAP NO. 36. PLAT BOOK NO. 3975
6th Election District, Howard County, Maryland

CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS · PLANNERS
TOWSON, MARYLAND 21204

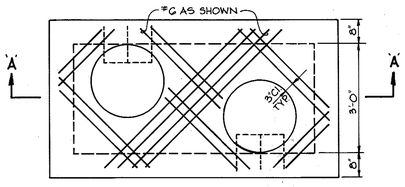
AREA: VILLAGE OF OWEN BROWN, Section 5 - Area 1, PARCEL 'D-2'

TITLE: SEDIMENT CONTROL PLAN, NOTES AND DETAILS

Des By A.W.R.	Scale 1"=50'	Proj No 0378	
Drn By R.J.W.	Date 5-4-78	Drawing No. 4 OF 7	
Chk By J.K.T.	Approved		

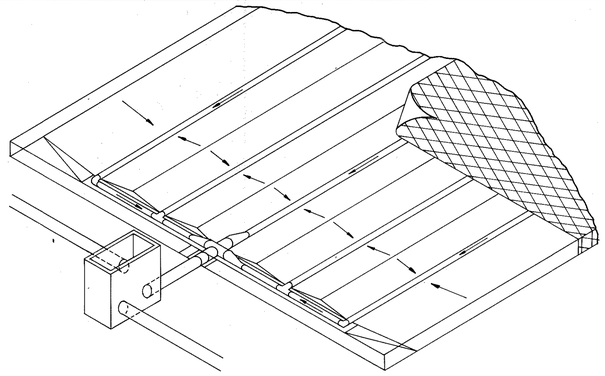
SDP-78-111c

BRUNING 44-132 28586

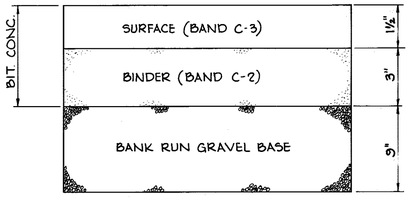


TOP SLAB

Scale: ½" = 1'-0"



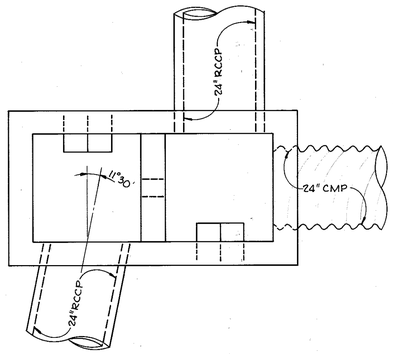
ISOMETRIC



ITEM	SEC.
CLEARING AND GRADING:	C-1
SUBGRADE:	C-2
BASE COURSE:	C-25
BINDER COURSE:	C-31 OR 33
SURFACE COURSE:	C-31

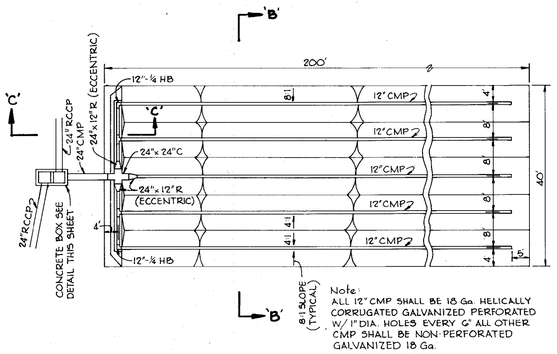
13½" PAVING

No Scale



STRUCTURE S-1

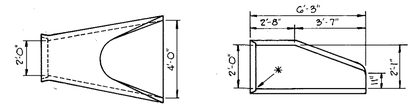
Scale: ½" = 1'-0"



Note:
ALL 12" CMP SHALL BE 18 Ga. HELICALLY CORRUGATED GALVANIZED PERFORATED W/ 1" DIA. HOLES EVERY 6" ALL OTHER CMP SHALL BE NON-PERFORATED GALVANIZED 18 Ga.

PLAN

No Scale

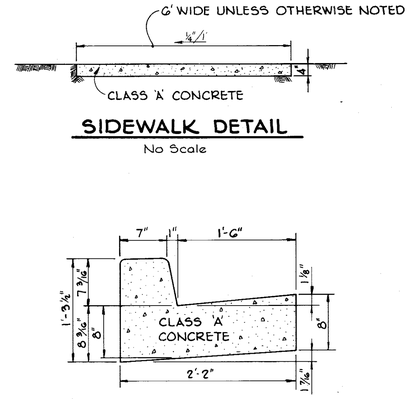


NOTE:
END SECTION MUST BE REINFORCED TO CONFORM WITH CLASS IV PIPE

PLAN SECTION

STANDARD END SECTION

No Scale



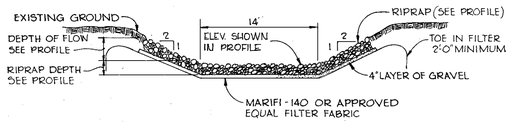
SIDEWALK DETAIL

No Scale

HOWARD COUNTY STANDARD (DRAWING D-40, PAGE 95)

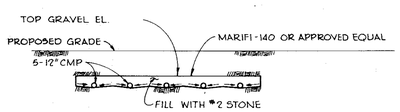
STANDARD 7" COMBINATION CURB AND GUTTER

No Scale



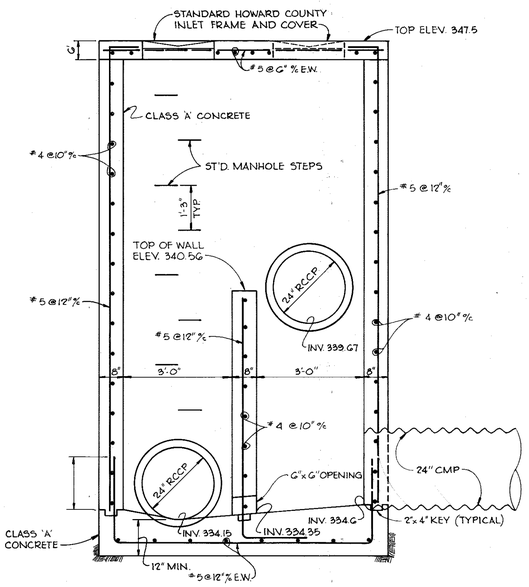
RIPRAP CHANNEL

No Scale



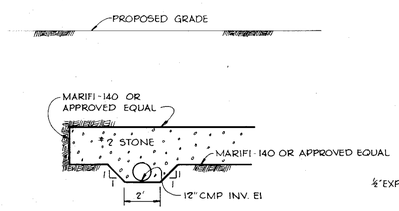
SECTION 'B-B'

No Scale



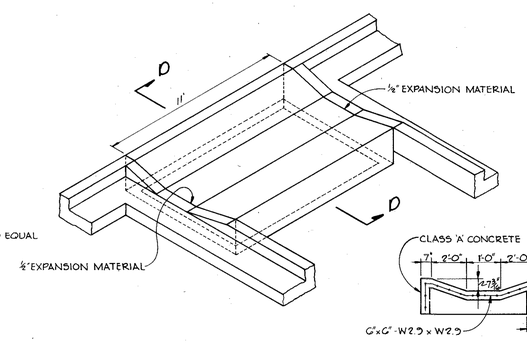
SECTION 'A-A'

Scale: ½" = 1'-0"



SECTION 'C-C'

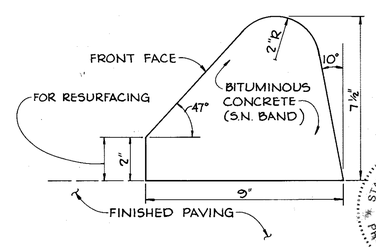
No Scale



ISOMETRIC SECTION D-D

CONCRETE CHANNEL

No Scale



BITUMINOUS CURB

No Scale

STATE OF MARYLAND PAUL M. SILL No. 32025 PROFESSIONAL ENGINEER

FOR REVISION #2 ONLY

STORM WATER MANAGEMENT DETAILS

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 6-21-78

5-4-78
Date

STATE OF MARYLAND JAMES K. TRACY No. 8566 PROFESSIONAL ENGINEER

James K. Tracy
Professional Engr. No. 8566

CERTIFICATION BY THE DEVELOPER:

"I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS OF DEVELOPMENT AND PLANS FOR PONDS AND EROSION AND SEDIMENT CONTROL AND I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY". DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT.

Alfred B. Kaplan V.P. — Signature of Developer — 11/27/78 Date

CERTIFICATION BY THE ENGINEER:

"I CERTIFY THAT THIS PLAN FOR PONDS, 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".

James K. Tracy — Signature - James K. Tracy — 5-4-78 Date

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

C. Wayne Ray — Signature, U.S. Soil Conservation Service — 8-9-78 Date

THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

APPROVED: Wes Karp, Howard S.C.D. — 8-9-78 Date

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF

Richard E. Feuerstein, Director — 8/22/78 Date

W. O. Talbert, Chief, Bureau of Engineering — 8-22-78 Date

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

Thomas G. Harris, Planning Director — 9-5-78 Date

Chief, Division of Land Development — 9-5-78 Date

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

Joseph Boylan, County Health Officer — 9-1-78 Date

Date	No	Revision Description
8-1-1978	2	RENUMBER SBT, NEW OWNER. REVISED AS PER COMMENTS DATED JUNE 21, 1978 & JUNE 22, 1978

OWNER/DEVELOPER

NEW HOPE KOREAN CHURCH
6301 STEVENS FOREST ROAD
COLUMBIA, MD 21044 2

NEW HOPE KOREAN CHURCH 2
TAX MAP NO. 36, PLAT BOOK NO. 3975
6th Election District, Howard County, Maryland

CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS · PLANNERS
TOWSON, MARYLAND 21204

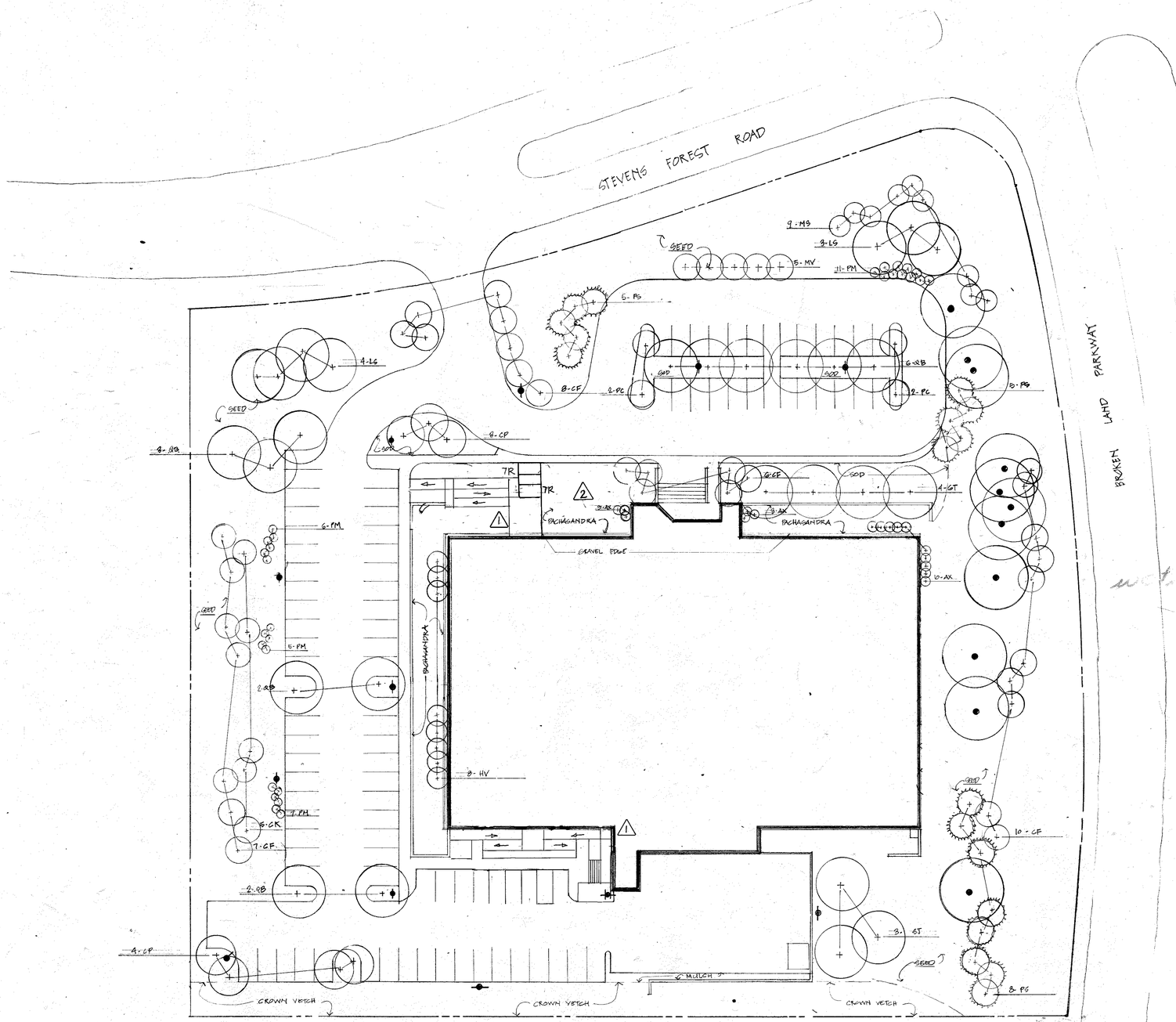
AREA: VILLAGE OF OWEN BROWN, Section 5 - Area 1, PARCEL 'D-2' 2

TITLE: DETAILS

Des By A.W.R.	Scale AS SHOWN	Proj No 0378	
Drn By R.J.W.	Date 5-4-78	Drawing No. 5 OF 7	2
Chk By J.K.T.	Approved		

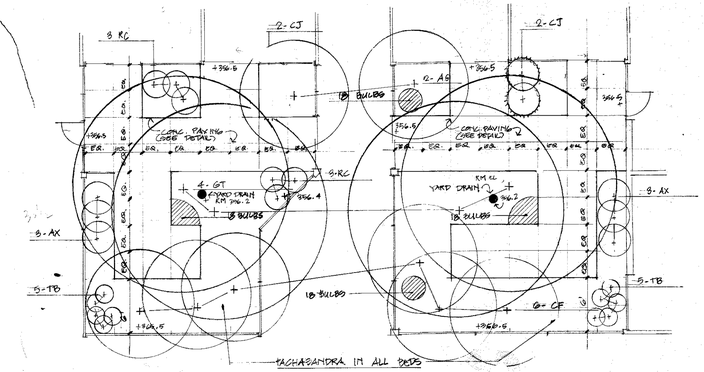
SDP-78-116

BRUNING 44-132 28586



KEY:

250 W. METAL HALIDE 10' POLE



ENTRY COURTYARDS 1/8"=1'-0"

INTERIOR PLANTING NOT INCLUDED IN PLANT LIST BELOW

PLANT LIST

KEY	BOTANICAL NAME	COMMON NAME	QUAN.	SIZE	REMARKS
QB	QUERCUS BOREALIS	RED OAK	18	2½-3" C.	MATCHED
GT	GLEDITSIA TRIACANTHOS INERMIS	HONEY LOCUST	4	"	VAR. 'MORAINE', MATCHED
LB	LIQUIDAMBAR STYRACIFLUA	SWEET GUM	7	"	
PC	PYRUS CALLERYANA BRADFORD	BRADFORD PEAR	4	"	WELL MATCHED, NO BRANCHES BELOW 10'
SJ	SOPHORA JAPONICA	JAP. PAGODA TREE	3	"	WELL MATCHED
KR	CORNUS KOUSA	KOUSA DOGWOOD	3	2-2½"	SPECIMEN, HEAVY
CF	CORNUS FLORIDA	FLOWERING DOGWOOD	31	2-2½" C.	8-10' HT. SPECIMEN
CP	CRATAEGUS PHAENOPYRUM	WASHINGTON HAWTHORN	7	"	"
HV	HAMAMELIS VERNALIS	VERNAL WITCH HAZEL	8	4-5'	OPEN BRANCHING
MS	MALUS SARGENTII	SARGENT CRAB APPLE	9	2-2½" C.	
MV	MAGNOLIA VIRGINIANA	SWEET BAY	5	2-2½" C.	MULTI STEM
PS	PINUS STROBUS	WHITE PINE	18	2-2½"	6-8' HT UNSHEARED
AX	EXBURY HYBRID AZALEA		11	2½-3'	WHITE, OPEN BRANCHING
PM	PINUS NIGRA HUGO	HUGO PINE	28	24"	DENSE
	PACHAMANDRA	JAP. SPURGE	1300	2 yr.	9" O.C.

EXISTING TREES PROPOSED TREES

TREE COUNT:
SHADE TREES REQUIRED = 75

EXISTING TREES ON SITE	= 11
NEW SHADE TREES	31
FLOWERING TREES	37
EVERGREENS	18
TOTAL NEW TREES	106

STATE OF MARYLAND PAUL M. SILL No. 32025 PROFESSIONAL ENGINEER

FOR REVISION #2, #1 ONLY

NORTH

NO	REVISION	DATE
2	REVISE TREE TOTALS	9-16-16
1	REVISE ENTRANCES	02/11/2016

OWNER AND DEVELOPER
NEW HOPE KOREAN CHURCH
6301 STEVENS FOREST ROAD
COLUMBIA, MD 21045

HORD, COPLAN AND MACHT
1500 Sulgrave Ave.
BALTIMORE, MARYLAND 21209
NEW HOPE KOREAN CHURCH

AREA: VILLAGE OF OWEN BROWN
Section 5, AREA 1, Parcel D-2
TAX MAP NO. 36, PLAT BOOK NO. 6756

TITLE: PLANTING PLAN

SCALE: 1" = 30' | DATE: 5-4-78 | DRAWING NO. 6 OF 7

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

Director — Date 8/22/78
Chief, Bureau of Highways — Date 8-22-78

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

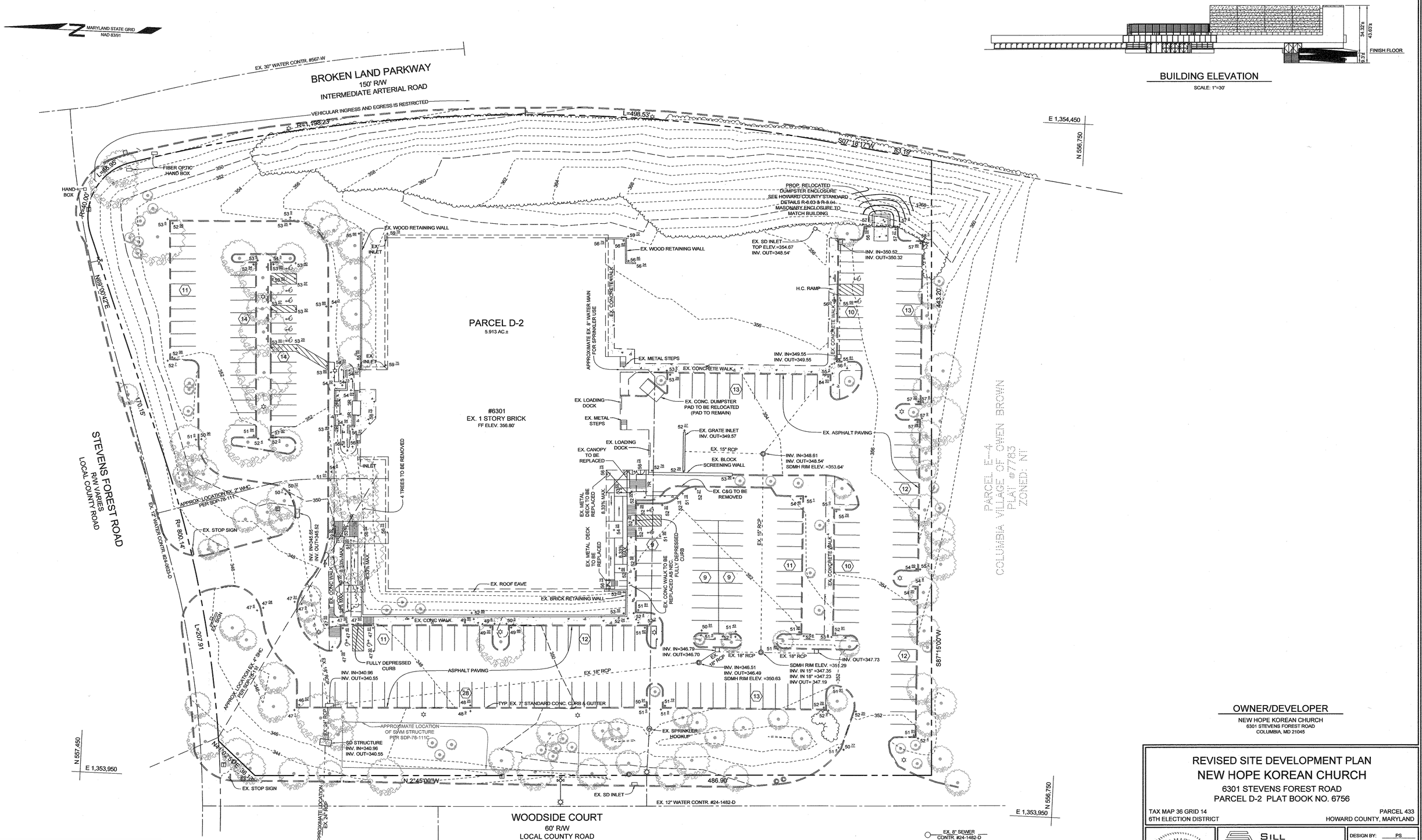
Planning Director — Date 9-5-78
Chief, Division of Land Development — Date 9-5-78

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

County Health Officer — Date 9-1-78

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 6-21-78

SDP-78-111c



PLAN VIEW

SCALE: 1"=30'

BUILDING ELEVATION

SCALE: 1"=30'

OWNER/DEVELOPER

NEW HOPE KOREAN CHURCH
6301 STEVENS FOREST ROAD
COLUMBIA, MD 21045

REVISED SITE DEVELOPMENT PLAN
NEW HOPE KOREAN CHURCH

6301 STEVENS FOREST ROAD
PARCEL D-2 PLAT BOOK NO. 6756

TAX MAP 36 GRID 14 — PARCEL 433
6TH ELECTION DISTRICT — HOWARD COUNTY, MARYLAND

STATE OF MARYLAND — PAUL M. SILL — No. 32025 — PROFESSIONAL ENGINEER

SILL ENGINEERING GROUP, LLC
11130 Dovedale Court, Suite 200
Marriottsville, Maryland 21104
Phone: 443.325.5076
Fax: 410.696.2022
Email: info@sillengineering.com
Civil Engineering for Land Development

DESIGN BY:	PS
DRAWN BY:	PS
CHECKED BY:	PS
SCALE:	AS SHOWN
DATE:	SEPTEMBER 16, 2016
PROJECT #:	15-030
SHEET #:	7 of 7

PROFESSIONAL CERTIFICATION. I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 32025, EXPIRATION DATE: JUNE 20, 2017

THE PURPOSE OF THIS REVISED SITE DEVELOPMENT PLAN IS TO SHOW AS-BUILT CONDITIONS PER THE DATE OF THIS PLAN AND REVISED PROPOSED CONDITIONS

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

CHIEF, DEVELOPMENT ENGINEERING DIVISION	DATE 9-26-16
CHIEF, DIVISION OF LAND DEVELOPMENT	DATE 10-6-16
DIRECTOR	DATE 10-7-16

No.	DESCRIPTION	DATE

REVISIONS

SDP-78-111