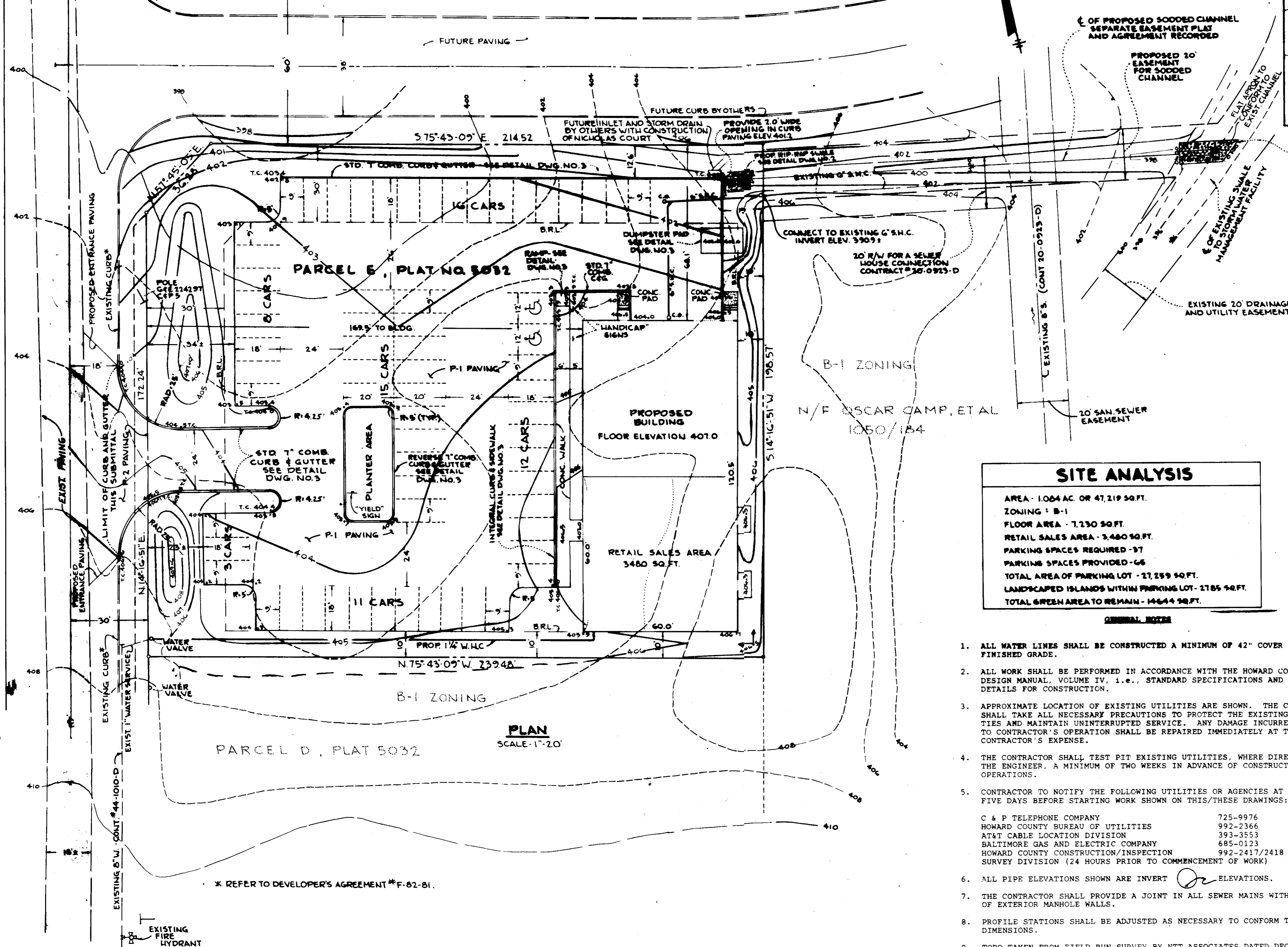


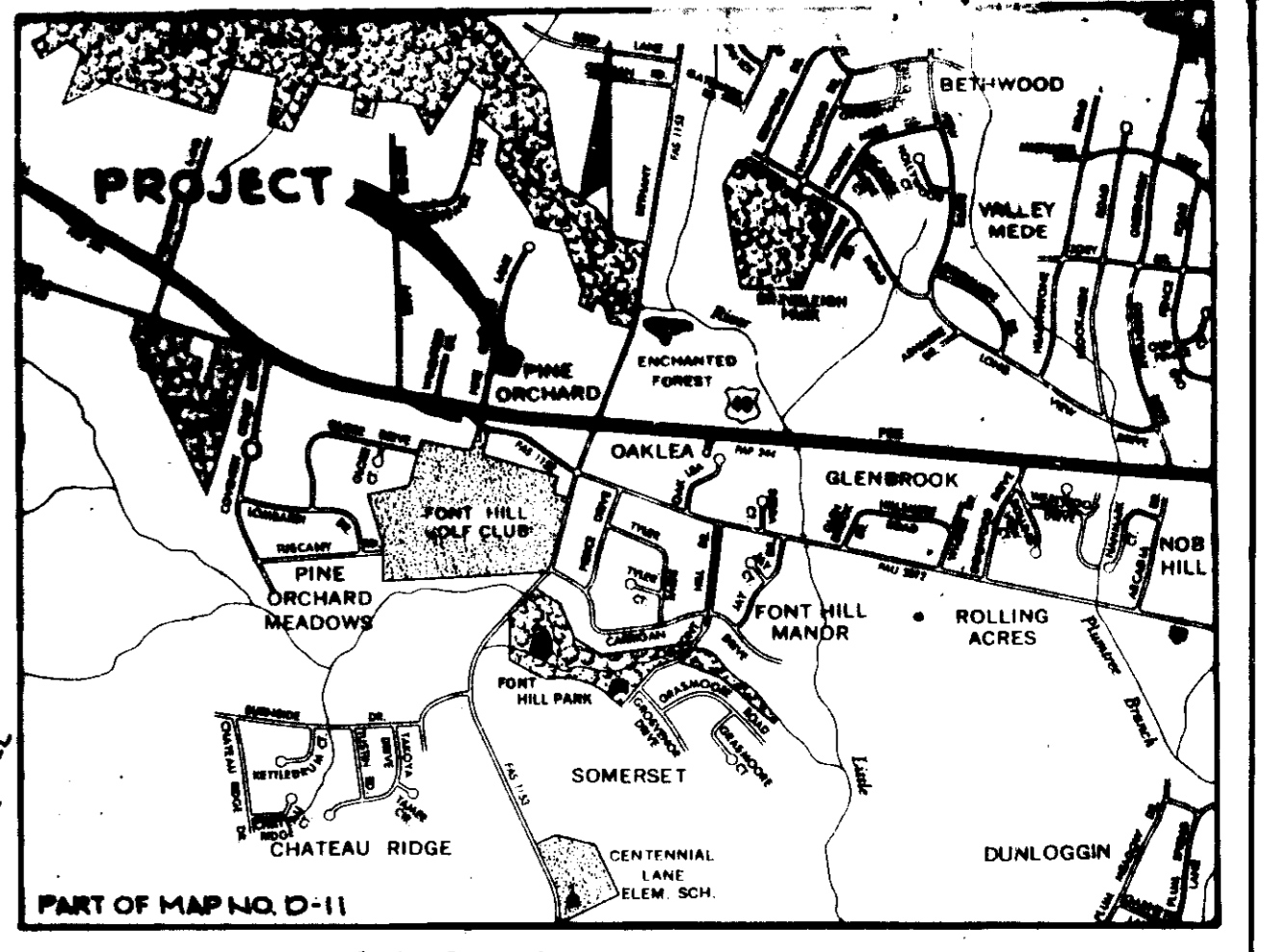
PINE ORCHARD LANE (EXISTING)

# NICHOLAS COURT



PLAN  
SCALE: 1"=20'

\* REFER TO DEVELOPER'S AGREEMENT # F-82-81.



VICINITY MAP  
SCALE: 1"=2000'

APPROVED  
DIVISION OF LAND DEVELOPMENT &  
ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE 3-15-83

SITE ANALYSIS	
AREA	1.084 AC. OR 47,219 SQ. FT.
ZONING	B-1
FLOOR AREA	7,730 SQ. FT.
RETAIL SALES AREA	3,480 SQ. FT.
PARKING SPACES REQUIRED	- 37
PARKING SPACES PROVIDED	- 66
TOTAL AREA OF PARKING LOT	- 27,259 SQ. FT.
LANDSCAPED ISLANDS WITHIN PARKING LOT	- 1785 SQ. FT.
TOTAL GREEN AREA TO REMAIN	- 14,644 SQ. FT.

GENERAL NOTES

- ALL WATER LINES SHALL BE CONSTRUCTED A MINIMUM OF 42" COVER BELOW FINISHED GRADE.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, I.E., STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. 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.
- THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES, WHERE DIRECTED BY THE ENGINEER, A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS.
- CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK SHOWN ON THIS/DRAWINGS:
 

C & P TELEPHONE COMPANY	725-9976
HOWARD COUNTY BUREAU OF UTILITIES	992-2366
AT&T CABLE LOCATION DIVISION	393-3553
BALTIMORE GAS AND ELECTRIC COMPANY	685-0123
HOWARD COUNTY CONSTRUCTION/INSPECTION SURVEY DIVISION (24 HOURS PRIOR TO COMMENCEMENT OF WORK)	992-2417/2418
- ALL PIPE ELEVATIONS SHOWN ARE INVERT OR ELEVATIONS.
- THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALLS.
- PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
- TOPO TAKEN FROM FIELD RUN SURVEY BY NTT ASSOCIATES DATED DECEMBER, 1982.
- PUBLIC WATER AND SEWER FACILITIES ARE TO BE PROVIDED.
- PRIVATE WATER AND SEWER SERVICE MAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE HOWARD COUNTY PLUMBING AND GASFITTING CODE.

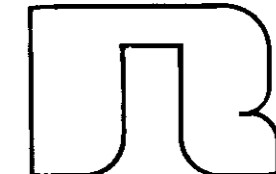
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.  
*James P. Jones* 3-25-83  
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.  
*J.P. Harris* 3-28-83  
PLANNING DIRECTOR DATE

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION  
*William E. Reed* 3-28-83  
DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*Harold F. Nemy* 3-22-83  
DIRECTOR DATE

CHIEF, BUREAU OF ENGINEERING  
*William E. Reed* 3-22-83  
DATE

DATE	NO.	REVISION
OWNER		
ROUTE 40 MANAGEMENT		
% RHEAT REALTY		
10194 BALTIMORE NATIONAL PIKE		
ELLCOTT CITY, MARYLAND 21043		
PROJECT:		
CHRISTIAN WOMEN'S THRIFT SHOP		
TAX MAP 24, PARCEL 11 AND PORTION OF PARCEL 10		
AREA:		
PARCEL E, PINE ORCHARD PARK		
SEE RECORDED PLAT C.M.P. NO. 5032		
2 <sup>ND</sup> ELECTION DIST., HOWARD COUNTY, MARYLAND		
TITLE:		
SITE DEVELOPMENT PLAN		
 <b>RIEMER AND ASSOCIATES</b> 8659 Baltimore National Pike Ellicott City, Maryland 21043 (301) 461-2690 Land Planning, Design & Civil Engineering		

3-17-83  
DATE

DESIGNED BY: A.E.M.  
DRAWN BY: G.R.B.  
PROJECT NO: 4582  
DATE: JAN 19, 1983  
SCALE: 1"=20'  
DRAWING NO. 1 OF 5

*William E. Reed*  
PROFESSIONAL ENGR. NO. 8107

PINE ORCHARD LANE

# NICHOLAS COURT

APPROVED  
 DIVISION OF LAND DEVELOPMENT &  
 ZONING ADMINISTRATION  
 HOWARD COUNTY, MARYLAND  
 DATE **3-15-83**

BY THE DEVELOPER:  
 "I/VE 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 NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT."  
*Thelma J. Lyman*  
 DEVELOPER: THELMA J. LYMAN DATE 3-18-83

BY THE 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 AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."  
*Arthur E. Muesge*  
 ENGINEER: ARTHUR E. MUESGE DATE 3-17-83

REVIEWED FOR *Howard* NAME S. C. B.  
 AND MEETS TECHNICAL REQUIREMENTS  
*James M. ...* DATE 3-21-83  
 U.S. SOIL CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
*Howard S. C. B.* DATE 3-21-83

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
*James ...* DATE 3-25-83  
 COUNTY HEALTH OFFICER

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
*Thomas ...* DATE 3-28-83  
 PLANNING DIRECTOR  
*William ...* DATE 3-28-83  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*Steve F. Nimery* DATE 3-23-83  
 DIRECTOR  
*William ...* DATE 3-22-83  
 CHIEF, BUREAU OF ENGINEERING

DATE	NO.	REVISION

OWNER  
 ROUTE 40 MANAGEMENT  
 % RHETT REALTY  
 10194 BALTIMORE NATIONAL PIKE  
 ELLICOTT CITY, MARYLAND 21043

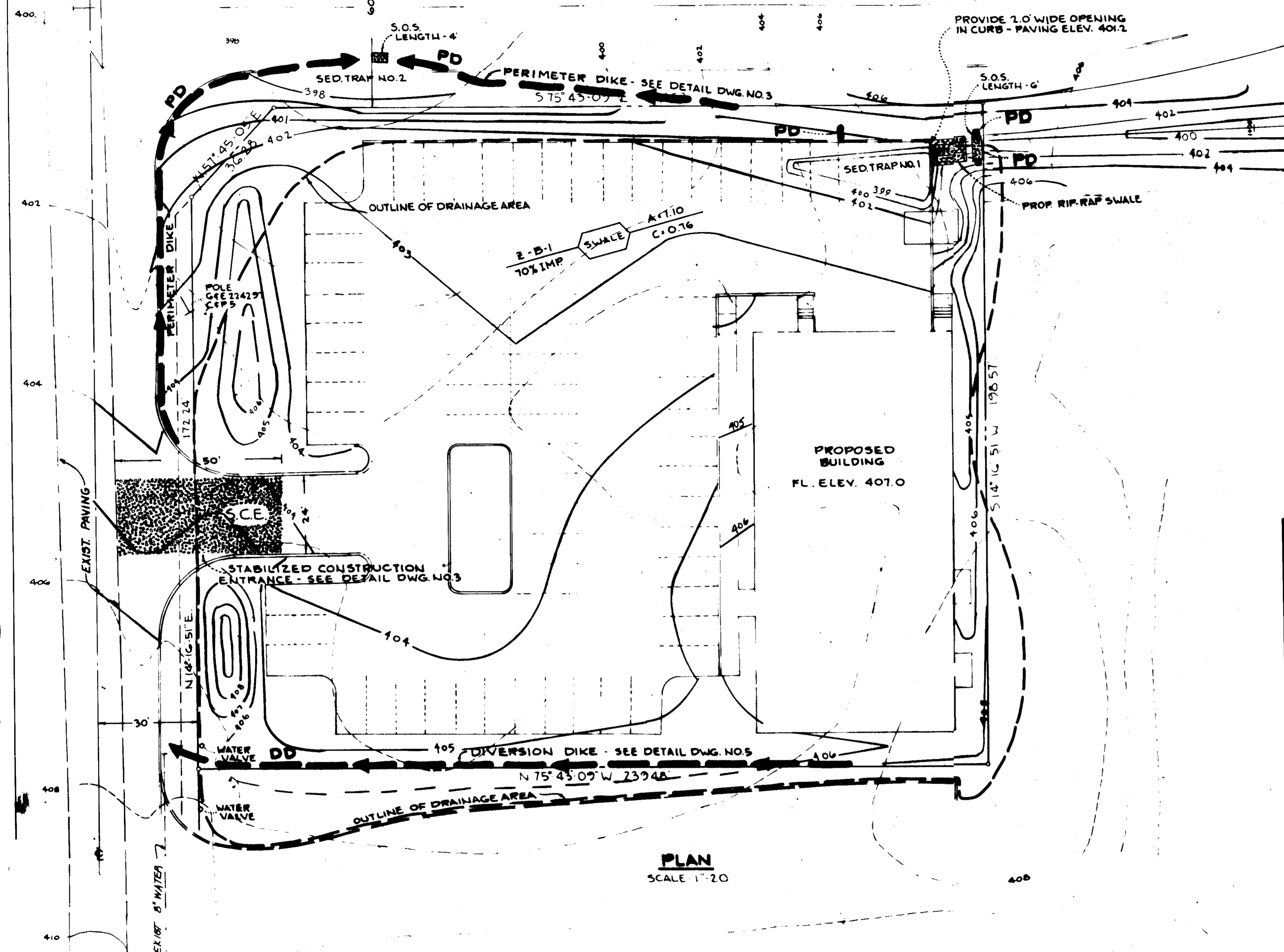
PROJECT  
 CHRISTIAN WOMEN'S THRIFT SHOP  
 TAX MAP 24, PARCEL 11 AND PT. OF PARCEL 10

AREA  
 PARCEL E, PINE ORCHARD PARK  
 SEE RECORDED PLAT C.M.R. NO. 5032  
 2<sup>ND</sup> ELECTION DIST., HOWARD COUNTY, MARYLAND

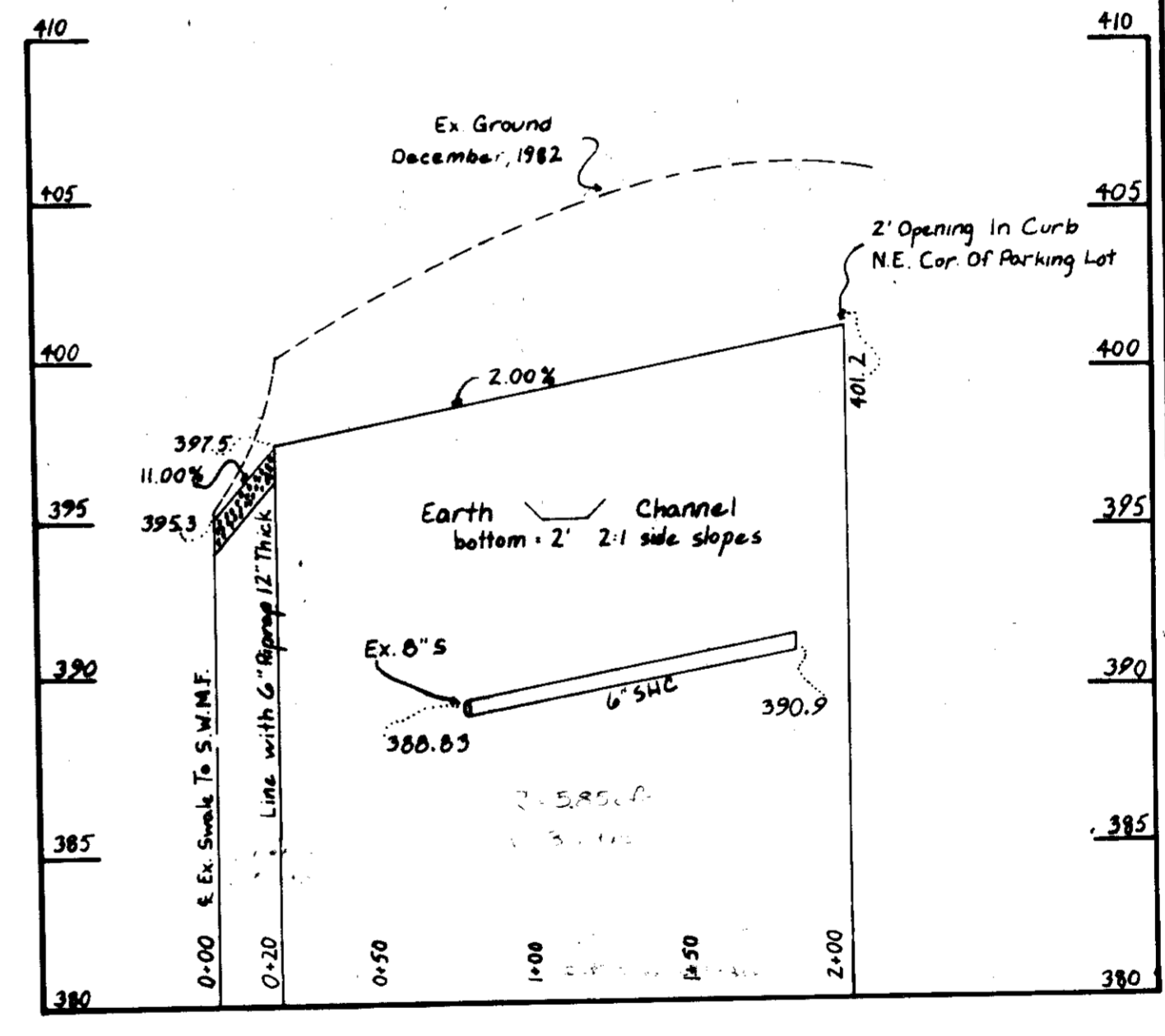
TITLE  
 DRAINAGE AREA MAP AND  
 SEDIMENT CONTROL PLAN

**RIEMER AND ASSOCIATES**  
 ENGINEERS  
 1000 ...  
 ...

DESIGNED BY V.L.S.  
 DRAWN BY G.R.B.  
 PROJECT NO. 4582  
 DATE JAN. 19, 1983  
 SCALE 1"=20'  
 DRAWING NO. 2 OF 5

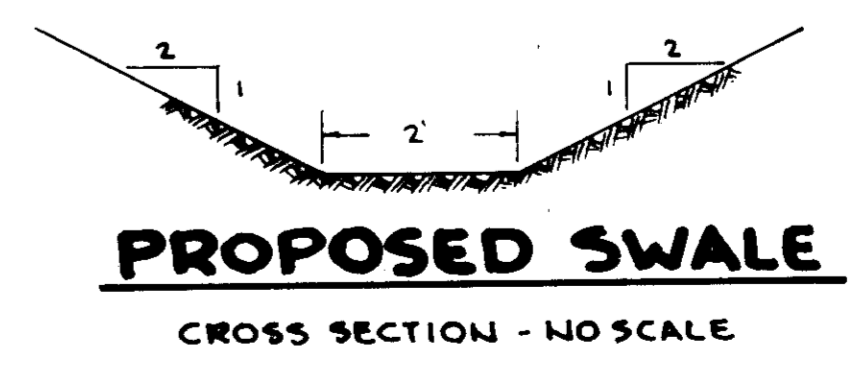
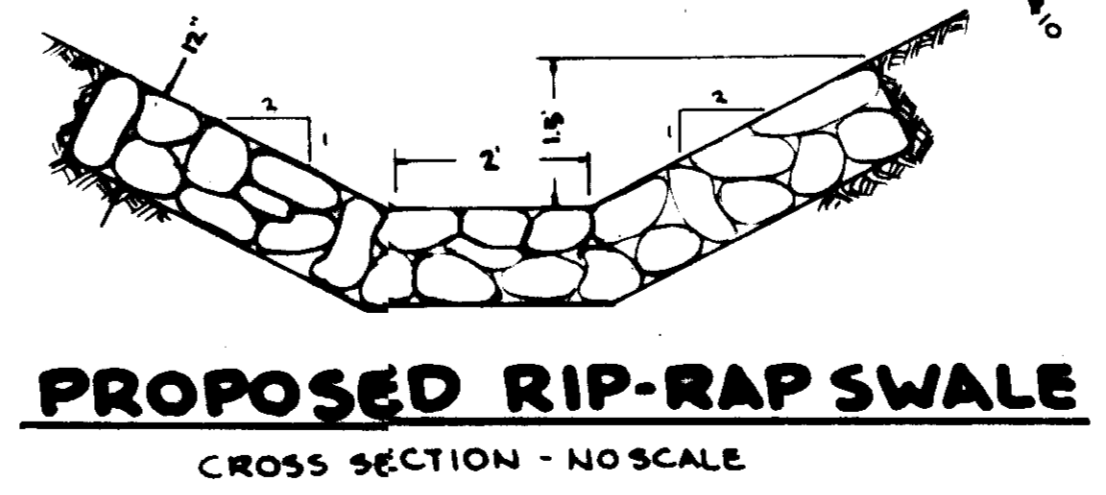


**SITE ANALYSIS**  
 IMPERVIOUS SURFACES - 0.74 AC.  
 AREA OF REVEGETATION - 0.34 AC.



**PROFILE OF PROPOSED SWALE**  
 SCALE - HOR. - 1"=50'  
 VERT. - 1"=5'

SEDIMENT TRAP DATA		
	TRAP NO. 1	TRAP NO. 2
DRAINAGE AREA	1.10 acres	0.13 acres
DISTURBED AREA	1.10 acres	0.13 acres
VOLUME		
REQUIRED	1980 ft <sup>3</sup>	234 ft <sup>3</sup>
AVAILABLE	2160	240 ft <sup>3</sup>
CREST ELEVATION	402	398.0
BOTTOM ELEVATION	399	397.0
CLEANOUT ELEVATION	400.5	397.5
BOTTOM DIMENSIONS	40 (15) Triangular	60 (10)

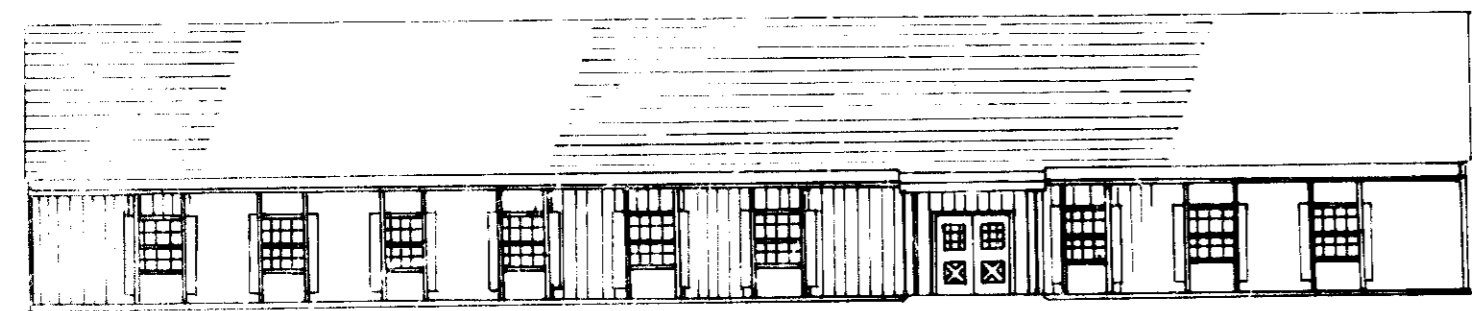


OUTLINE OF DRAINAGE AREA

**PLAN**  
 SCALE 1"=20'

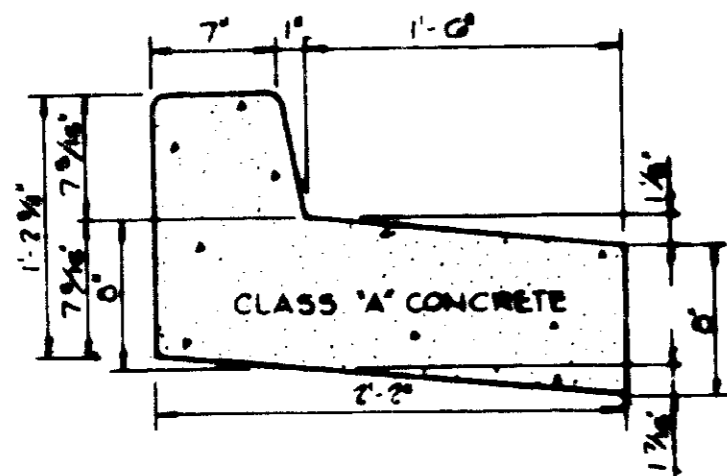
**PROPOSED RIP-RAP SWALE**  
 CROSS SECTION - NO SCALE

**PROPOSED SWALE**  
 CROSS SECTION - NO SCALE



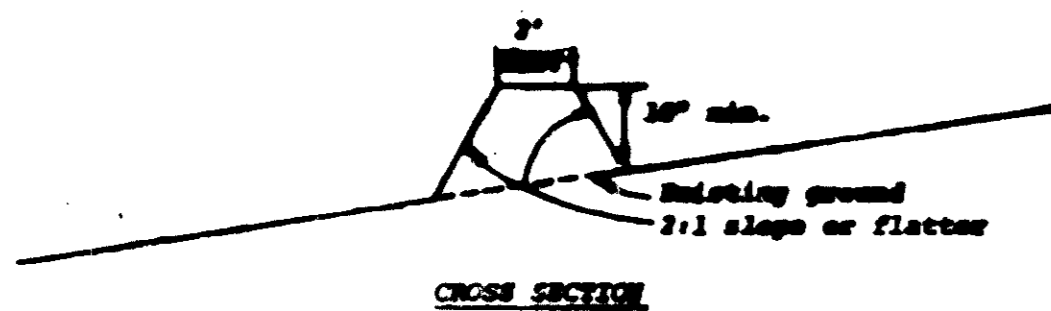
**PROPOSED BUILDING ELEVATION (WEST)**

SCALE - 1/16" = 1'



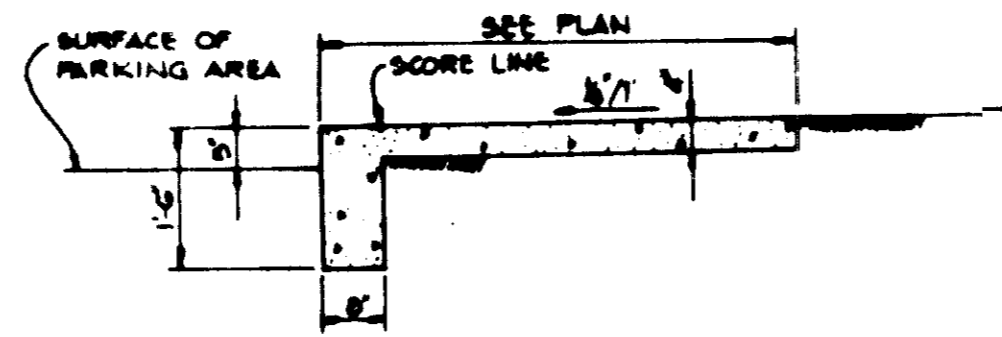
**REVERSE 7" COMBINATION CURB AND GUTTER**

NO SCALE



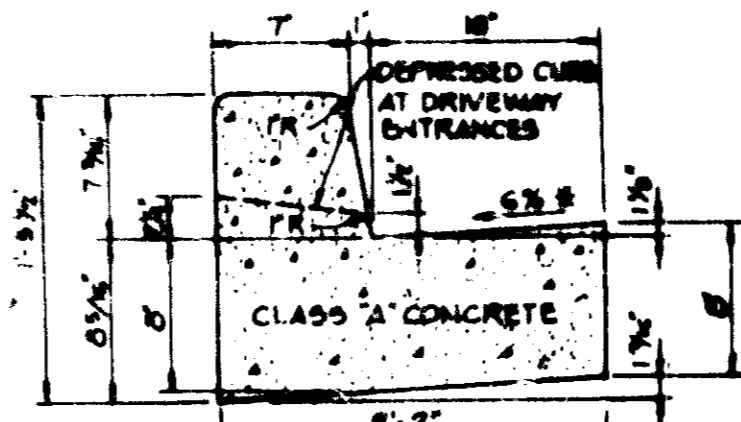
**STANDARD 7" COMBINATION CURB AND GUTTER**

NO SCALE



**SIDEWALK w/ INTEGRAL CURB**

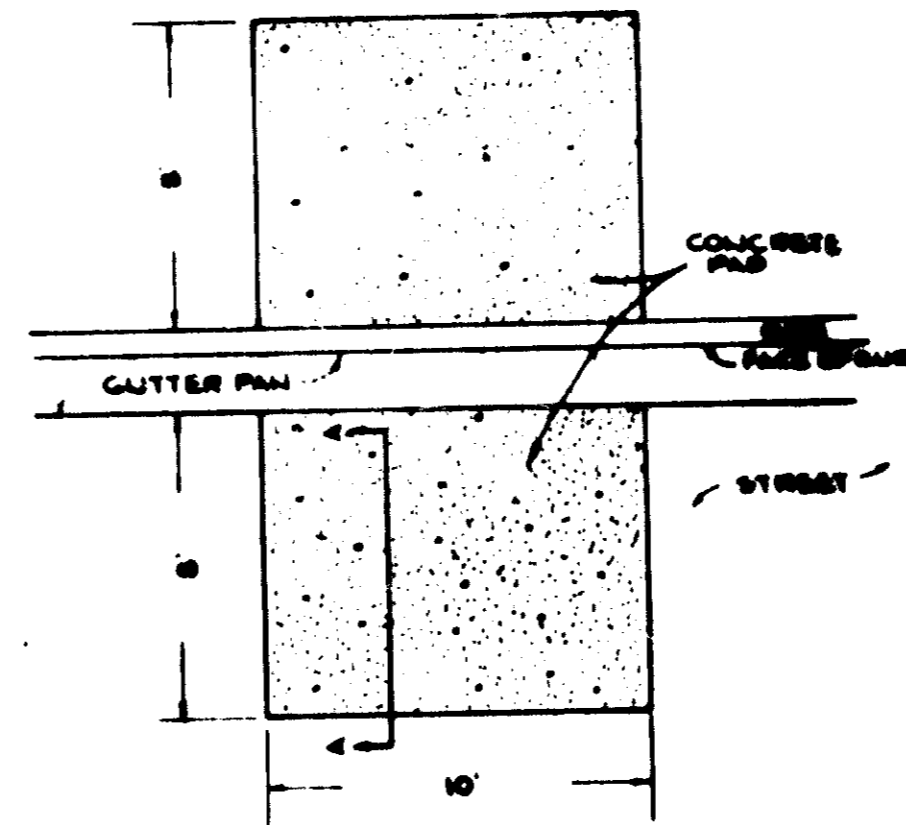
NO SCALE



**DEPRESSED CURB AT DRIVEWAY ENTRANCES**

**STANDARD 7" COMBINATION CURB AND GUTTER**

NO SCALE



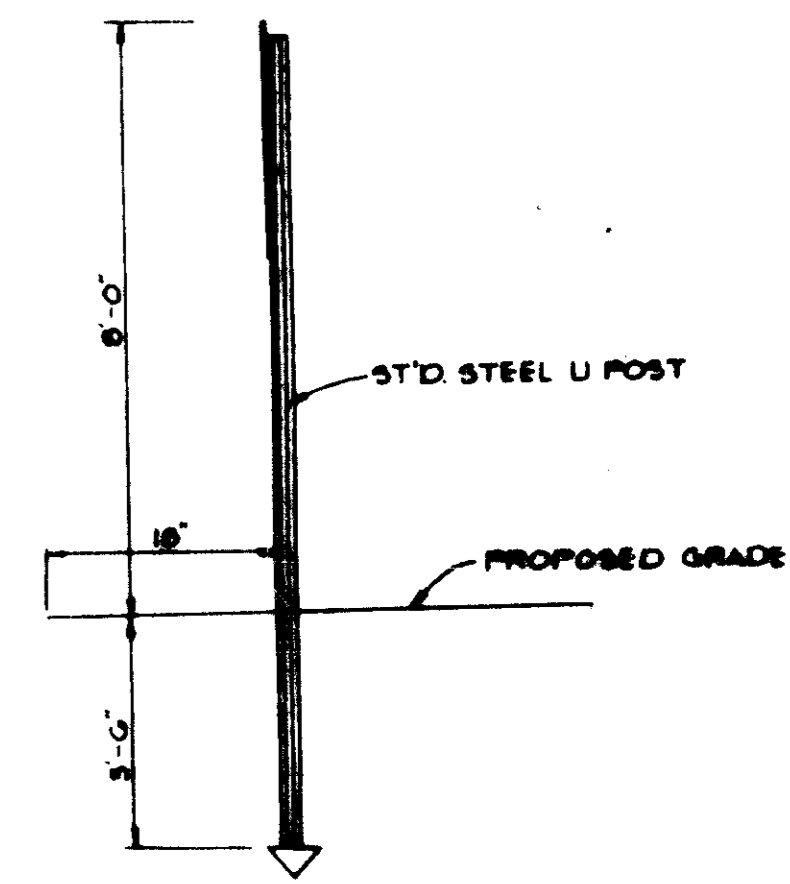
**DUMPSTER PAD DETAIL**

NO SCALE

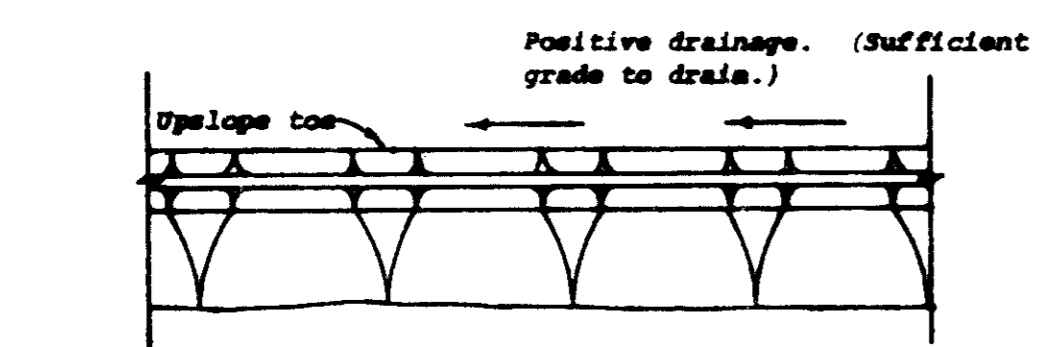


**HANDICAP SIGN DETAIL**

NO SCALE

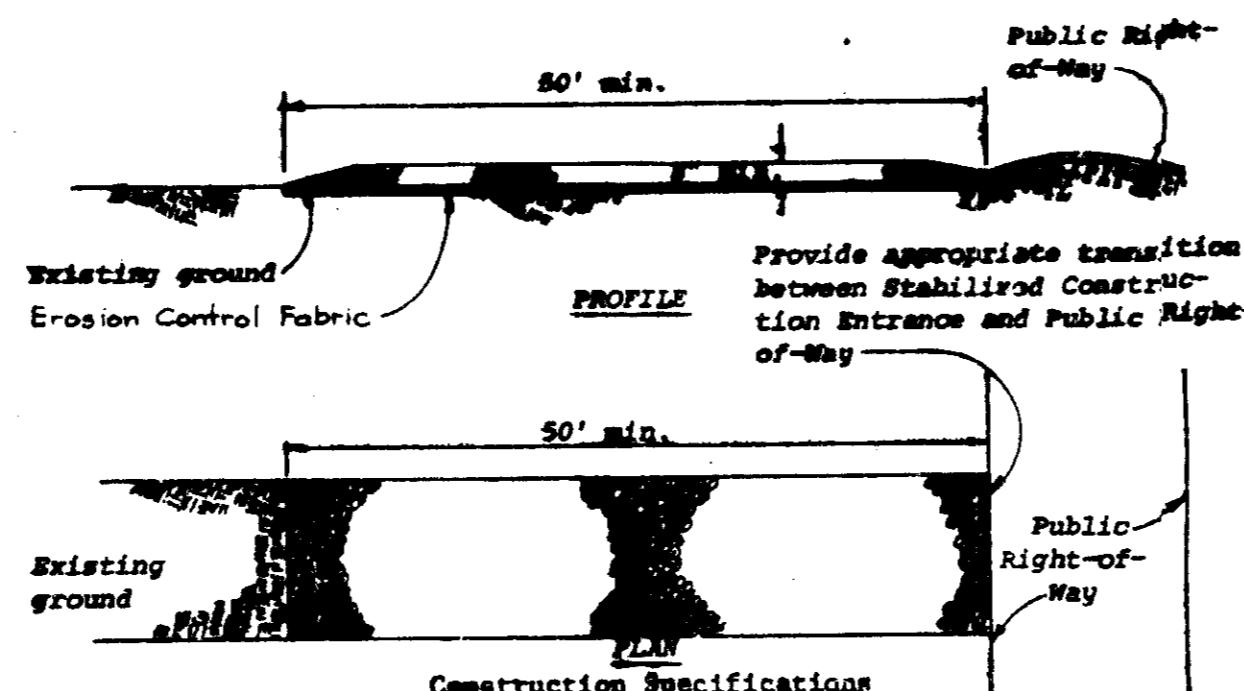


APPROVED  
DIVISION OF LAND DEVELOPMENT  
ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE **3-15-83**



**PERIMETER DIKE**

NO SCALE



**STABILIZED CONSTRUCTION ENTRANCE**

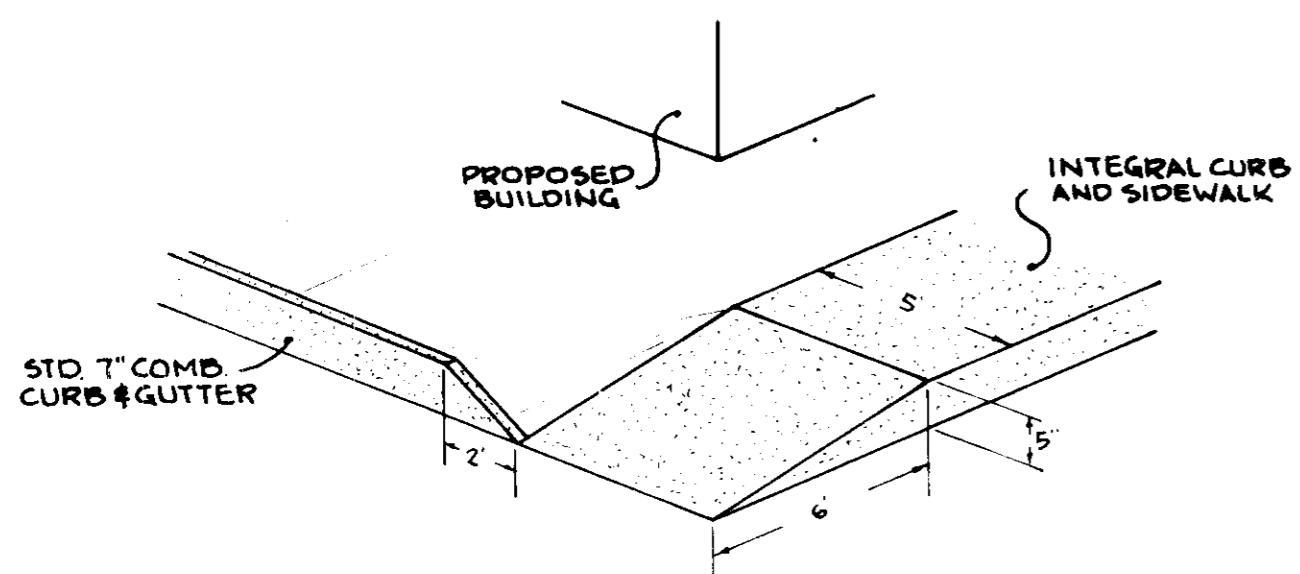
NO SCALE

- All dikes shall be machine compacted.
- All perimeter dikes shall have positive drainage to an outlet.
- A. Inverted 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. Inverted runoff from a disturbed or exposed upland area shall be conveyed to a sediment trapping device such as a sediment trap or a sediment basin or to an area protected by any of these practices.
- Stabilization, when required, shall be done in accordance with Standards and Specifications for Grassed Waterway. The minimum area to be stabilized shall be the channel flow area.
- Periodic inspection and required maintenance shall be provided.

Drainage area less than 5 acres

- 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.
- Length - As effective, but not less than 50 feet.
- Thickness - Not less than eight (8) inches.
- Width - Not less than full width of all points of ingress or egress.
- 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.
- 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



**HANDICAPPED RAMP**

NO SCALE

BITUMINOUS CONCRETE SURFACE	1/2"
BITUMINOUS CONCRETE BASE	1/2"
6" CRUSHER RUN BASE COURSE (2 COURSES) OR 6" DENSE GRADED STABILIZED AGGREGATE BASE COURSE	6"
(ALTERNATE)	
BITUMINOUS CONCRETE SURFACE	1/2"
BITUMINOUS CONCRETE BASE	1/2"

**(G" PAVING, P-2)**

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.	<i>James Brown</i>	3-21-83
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.	<i>Thomas J. Lyman</i>	3-21-83
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.	<i>Sheep F. Nemy</i>	3-21-83
CHIEF, BUREAU OF ENGINEERING	<i>Thomas J. Lyman</i>	3-22-83

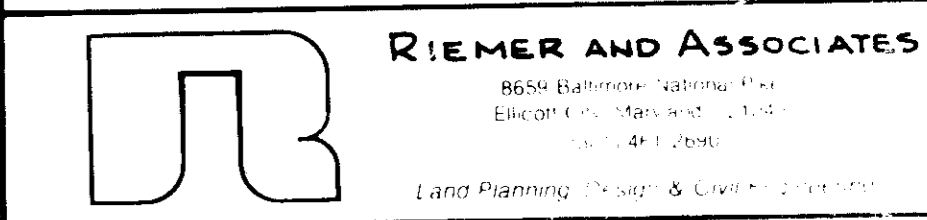
BY THE DEVELOPER:  
"I WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF EROSION AND EROSION BEFORE BEGINNING THE PROJECT."  
*Thelma J. Lyman* 3-18-83  
DEVELOPER: THELMA J. LYMAN DATE

BY THE ENGINEER:  
"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND Viable 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."  
*Arthur E. Muegge* 3-17-83  
ENGINEER: ARTHUR E. MUEGGE DATE

REVIEWED FOR HOWARD COUNTY S.C.D. AND MEETS TECHNICAL REQUIREMENTS  
*Thomas J. Lyman* 3-21-83  
U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*Arthur E. Muegge* 3-21-83  
HOWARD S.C.D. DATE

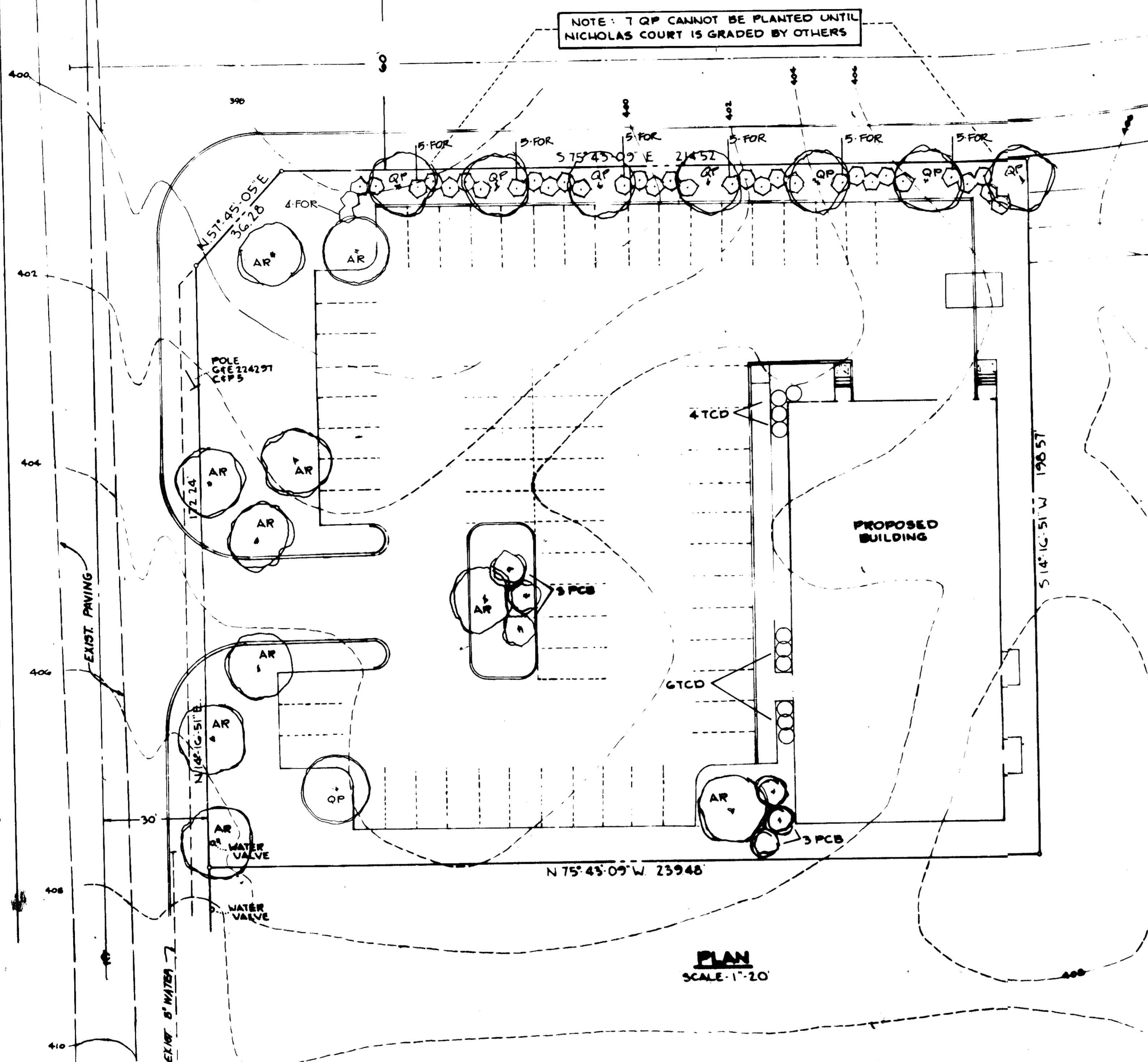
OWNER	ROUTE 40 MANAGEMENT % RHETT REALTY 10194 BALTIMORE NATIONAL PIKE ELLCOTT CITY, MARYLAND 21043
PROJECT:	CHRISTIAN WOMEN'S THRIFT SHOP TAX MAP 24, PARCEL 11 AND PLOT OF PARCEL 10
AREA:	PARCEL E PINE ORCHARD PARK SEE RECORDED PLAT C.M.P. NO 5052 2 <sup>ND</sup> ELECTION DIST, HOWARD COUNTY, MARYLAND
TITLE:	DETAILS



DESIGNED BY	A.E.M.
DRAWN BY	G.R.B.
PROJECT NO	4582
DATE	JAN 19, 1983
SCALE	AS SHOWN
DRAWING NO	3 OF 5

# PINE ORCHARD LANE

# NICHOLAS COURT



PLANT LIST					
QUANTITY	SYMBOL AND KEY	PLANT NAME	SPECIFICATIONS		
			CAL.	ROOT	HEIGHT
18	AR QP	SHADE TREES: Acer rubrum (Red maple) Quercus palustris (Pin oak)	2 1/2'-5'	B&B	12'-14'
6	PCB	FLOWERING TREES: Pyrus calleryana (Bradford pear)	-	B&B	6'-8'
10	TCD	SHRUBS: Taxus cuspidata densiformis (Dense Japanese yew)	-	B&B	24'-30'
34	FOR	Forcythia intermedia spectabilis (Shady Border Forcythia)	-	B&B	30'-36'

APPROVED  
DIVISION OF LAND DEVELOPMENT &  
ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE 3-15-83

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

*Joseph Brown* 3-25-83  
COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING

*Donald Hanif* 3-28-83  
PLANNING DIRECTOR DATE

*William M. ...* 3-28-83  
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*Henry F. ...* 3-23-83  
DIRECTOR DATE

*William S. ...* 3-22-83  
CHIEF, BUREAU OF ENGINEERING DATE

DATE NO REVISION

OWNER  
ROUTE 40 MANAGEMENT  
c/o RHETT REALTY  
10194 BALTIMORE NATIONAL PIKE  
BELLICOTT CITY, MARYLAND 21045

PROJECT  
CHRISTIAN WOMEN'S THRIFT SHOP  
TAX MAP 24, PARCEL 11 AND PLOT OF PARCEL 10

AREA  
PARCEL E PINE ORCHARD PARK  
SEE RECORDED PLAT C.M.P. NO 5092  
2<sup>ND</sup> ELECTION DIST, HOWARD COUNTY, MARYLAND

TITLE  
PLANTING PLAN

**RIEMER AND ASSOCIATES**  
1800 Baltimore National Pike  
Ellicott City, Maryland 21117  
Tel: (410) 286-1000  
Land Planning, Design & Civil Engineering

DATE 3-17-83

DESIGNED BY M.G.R.

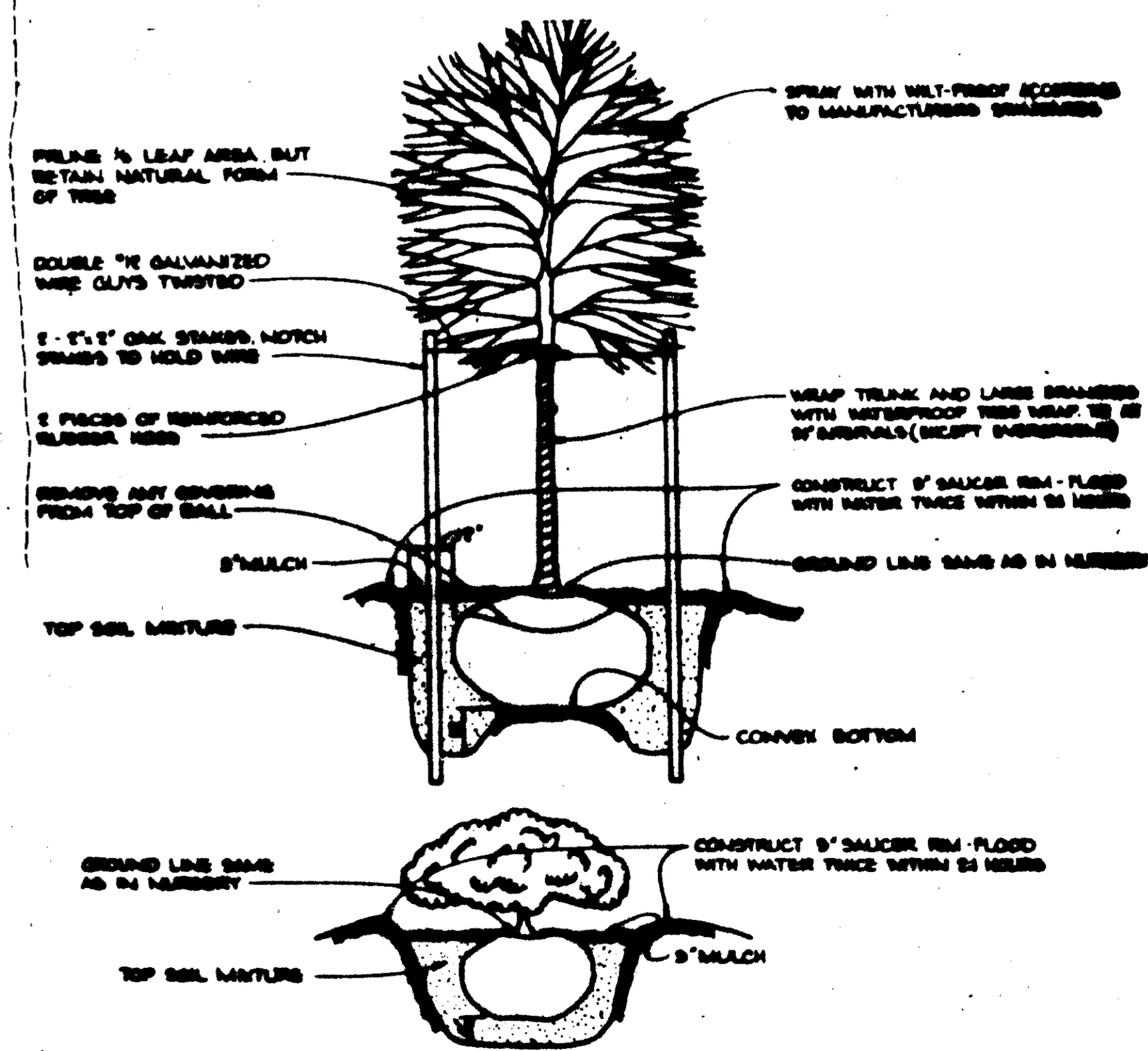
DRAWN BY G.R.B.

PROJECT NO 4582

DATE JAN. 19, 1983

SCALE: 1"=20'

DRAWING NO. 4 OF 5



## TREE AND SHRUB PLANTING DETAIL

SEDIMENT CONTROL CONSTRUCTION NOTES  
GENERAL NOTES

- A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (9-22-77).
- 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.
- SITE GRADING WILL BEGIN ONLY AFTER ALL PERIMETER SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED AND ARE IN A FUNCTIONING CONDITION.
- 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.
- SEDIMENT WILL BE REMOVED FROM TRAPS WHEN THE DEPTH REACHES THE CLEAN OUT ELEVATION SHOWN ON THE PLANS.
- 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.
- 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.
- 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.
- SEDIMENT CONTROL WILL BE INSTALLED BEFORE CLEARING AND GRUBBING REMAINDER OF SITE.
- NO STORM DRAINS SHALL BE INSTALLED UNDER THIS CONTRACT.

TEMPORARY SEEDING

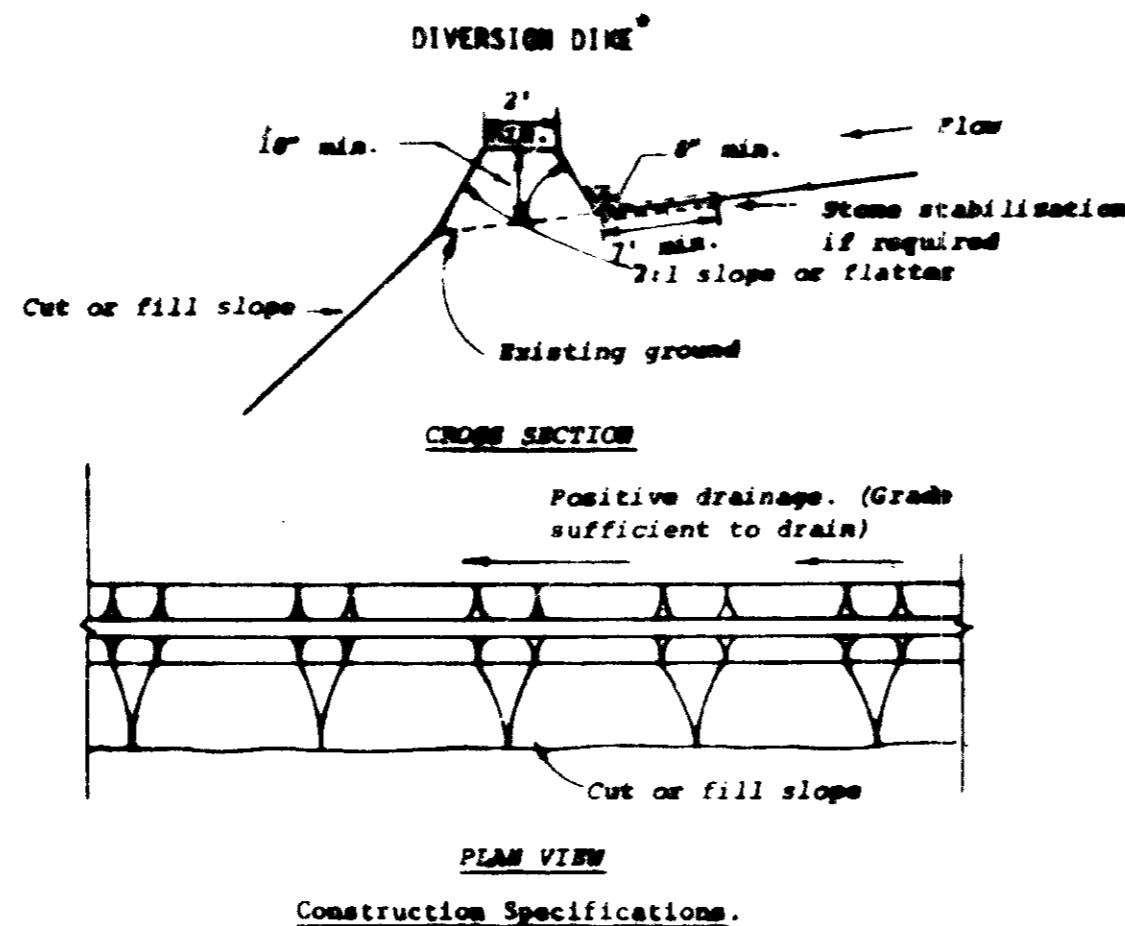
AREA TO BE SEEDING SHALL BE RECENTLY LOOSENEDED. IF THE GROUND IS PACKED, CRUSTED OR HARD, THE TOP LAYER OF SOIL SHALL BE LOOSENEDED BY DISCING, RAKING OR OTHER ACCEPTABLE MEANS.

- APPLY 10-20-10 FERTILIZER (OR EQUIVALENT) AT THE RATE OF 600 LBS. PER ACRE OR 15 LBS. PER 1000 SQ. FT.
- WHERE SOIL IS KNOWN TO BE HIGHLY ACID, APPLY DOLOMITIC LIMESTONE AT THE RATE OF 1 TON PER ACRE.
- 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.
- 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:

- 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).
- 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 300 LBS. OF 10-20-20 OR EQUIVALENT FERTILIZER PER ACRE.
- 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.
- 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.
- SEED ALL SLOPES WITH A MIXTURE OF CERTIFIED KENTUCKY 31 TALL FESCUE @ 50 LBS. PER ACRE AND INOCULATED KOREAN LESPEDEZA @ 15 LBS. PER ACRE.



- All dikes shall be machine compacted.
- All diversion dikes shall have positive drainage to an outlet.
- A. Diverted runoff from a protected or stabilized area shall outlet directly to 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 a sediment trap or a sediment basin or to an area protected by any of these practices.
- Stabilization, as specified by the plans, shall be: (1) in accordance with Standard and Specifications for Grassed Waterway, and the area to be stabilized shall be the channel (flow area); or (2) the flow area shall be lined with stone that meets MSMA size No. 2 or AASHTO M3 size No. 2 or 24 which is placed in a 3 inch thick layer and pressed into the soil. The area covered by the stone shall be as shown on the drawing above.
- Periodic inspection and required maintenance shall be provided.

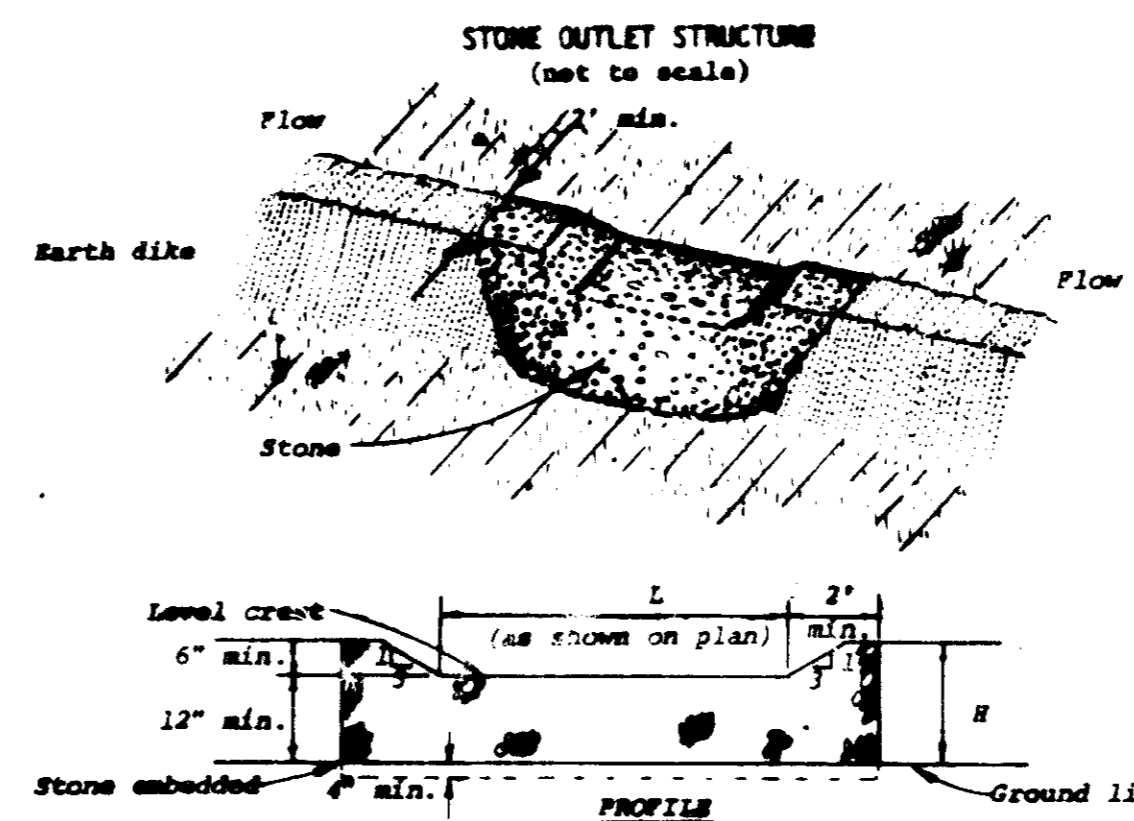
Standard Symbol  $\frac{1}{2}$   $\frac{1}{2}$   $\frac{1}{2}$   
\* Drainage area less than 5 acres

**DIVERSION DIKE**

NO SCALE

SEQUENCE OF CONSTRUCTION

- OBTAIN A GRADING PERMIT.
- INSTALL STABILIZED CONSTRUCTION ENTRANCE.
- INSTALL DIVERSION DIKE.
- INSTALL SEDIMENT TRAPS NO. 1 AND 2 WITH STONE OUTLET STRUCTURES AND PERIMETER DIKE. CONSTRUCT SWALE TO PROVIDE POSITIVE DRAINAGE FROM SEDIMENT TRAP NO. 2.
- SEED SEDIMENT TRAPS AND DIKES PER TEMPORARY SEEDING NOTES.
- COMPLETE ALL GRADING.
- CONSTRUCT ALL UTILITIES.
- CONSTRUCT ALL CURB AND GUTTER PAVING, ROADWAYS AND BUILDINGS.
- SEED ALL DISTURBED AREAS IN ACCORDANCE WITH PERMANENT SEEDING NOTES.
- UPON APPROVAL OF SOIL CONSERVATION DISTRICT, THE CONTRACTOR SHALL REMOVE ALL SEDIMENT CONTROL DEVICES AND PERMANENTLY RESEED DISTURBED AREAS.



Construction Specifications

- The stone shall be crushed stone. Gravel may be used if crushed stone is not available. The stone shall meet MSMA Size No. 2 or AASHTO designation M3 Size No. 2 or 24.
- The crest of the stone dike shall be at least six inches lower than the lowest elevation of the top of the earth dike and shall be level.
- The stone outlet structure shall be embedded into the soil a minimum of four inches.
- The minimum length, in feet, of the crest of the stone outlet structure shall be equal to six times the number of acres of contributing drainage area.
- The stone outlet structure shall be inspected after each rain, and the stone shall be replaced when the structure ceases to function as intended due to silt accumulation among the stone, washout, construction traffic damage, etc.

**STONE OUTLET STRUCTURE**

NO SCALE

3-15-83

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

*Thelma J. Lyman* 3-25-83  
COUNTY HEALTH OFFICER DATE

BY THE DEVELOPER:

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 NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF EROSION AND EROSION BEFORE BEGINNING THE PROJECT.

*Thelma J. Lyman* 3-18-83  
DEVELOPER: THELMA J. LYMAN DATE

BY THE 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 AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

*Arthur E. Muegge* 3-17-83  
ENGINEER: ARTHUR E. MUEGGE DATE

REVIEWED FOR HOWARD S.C.D.

NAME AND MEETS TECHNICAL REQUIREMENTS

*James M. Nolan* 3-21-83  
J.S. SOIL CONSERVATION SERVICE DATE

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

*Wm. J. Ramo* 3-24-83  
HOWARD S.C.D. DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING

*Harold J. Davis* DATE  
PLANNING DIRECTOR  
*John M. ...* DATE  
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

*Mark F. Neuman* 3-23-83  
DIRECTOR DATE

*William R. ...* 3-23-83  
CHIEF, BUREAU OF ENGINEERING DATE

DATE NO REVISION

OWNER  
ROUTE 40 MANAGEMENT  
5% RHETT REALTY  
10194 BALTIMORE NATIONAL PIKE  
ELLCOTT CITY, MARYLAND 21043

PROJECT: CHRISTIAN WOMEN'S THRIFT SHOP  
TAX MAP 24, PARCEL 11 AND PT. OF PARCEL 10

AREA PARCELS - PINE ORCHARD PARK  
2<sup>ND</sup> ELECTION DIST., HOWARD COUNTY, MARYLAND

TITLE: PROFILE AND DETAILS

**RIEMER AND ASSOCIATES**  
Professional Engineers, National Fire Protection Association, Maryland State Board of Professional Engineers  
Land Planning, Design & Construction

3-17-83  
DATE

DESIGNED BY A.E.M.  
DRAWN BY G.R.B.  
PROJECT NO. 4582  
DATE JAN 19, 1983  
SCALE AS SHOWN  
DRAWING NO. 5 OF 5

*Arthur E. Muegge*  
PROFESSIONAL ENGR. NO. 8101

SDP-83-87