

SHEET INDEX	
NO.	DESCRIPTION
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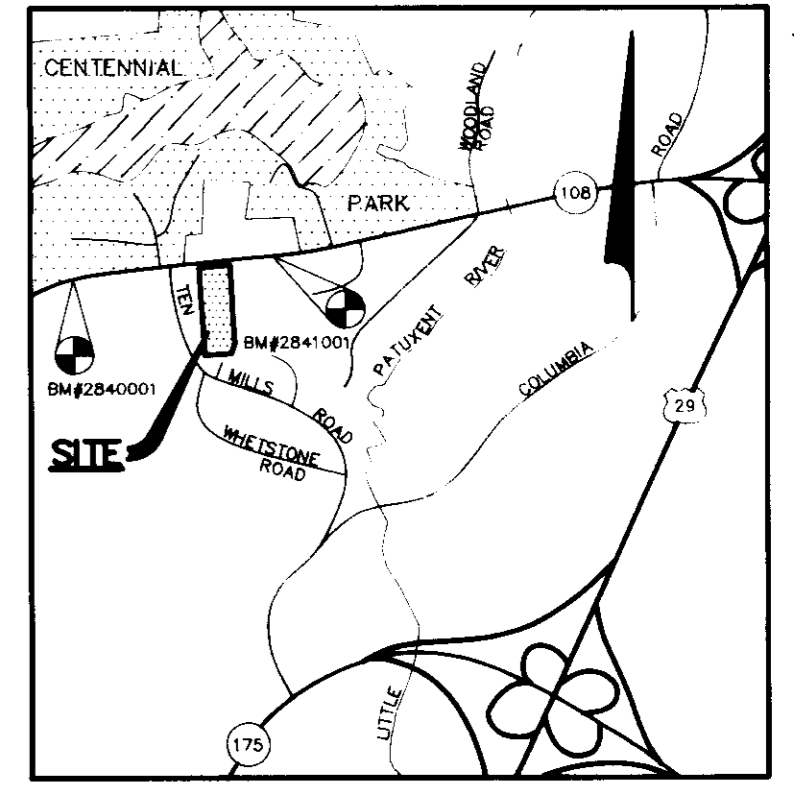
SITE DEVELOPMENT PLAN

COLUMBIA

PRESBYTERIAN CHURCH

5th ELECTION DISTRICT

HOWARD COUNTY, MARYLAND



VICINITY MAP
SCALE: 1"=2000'

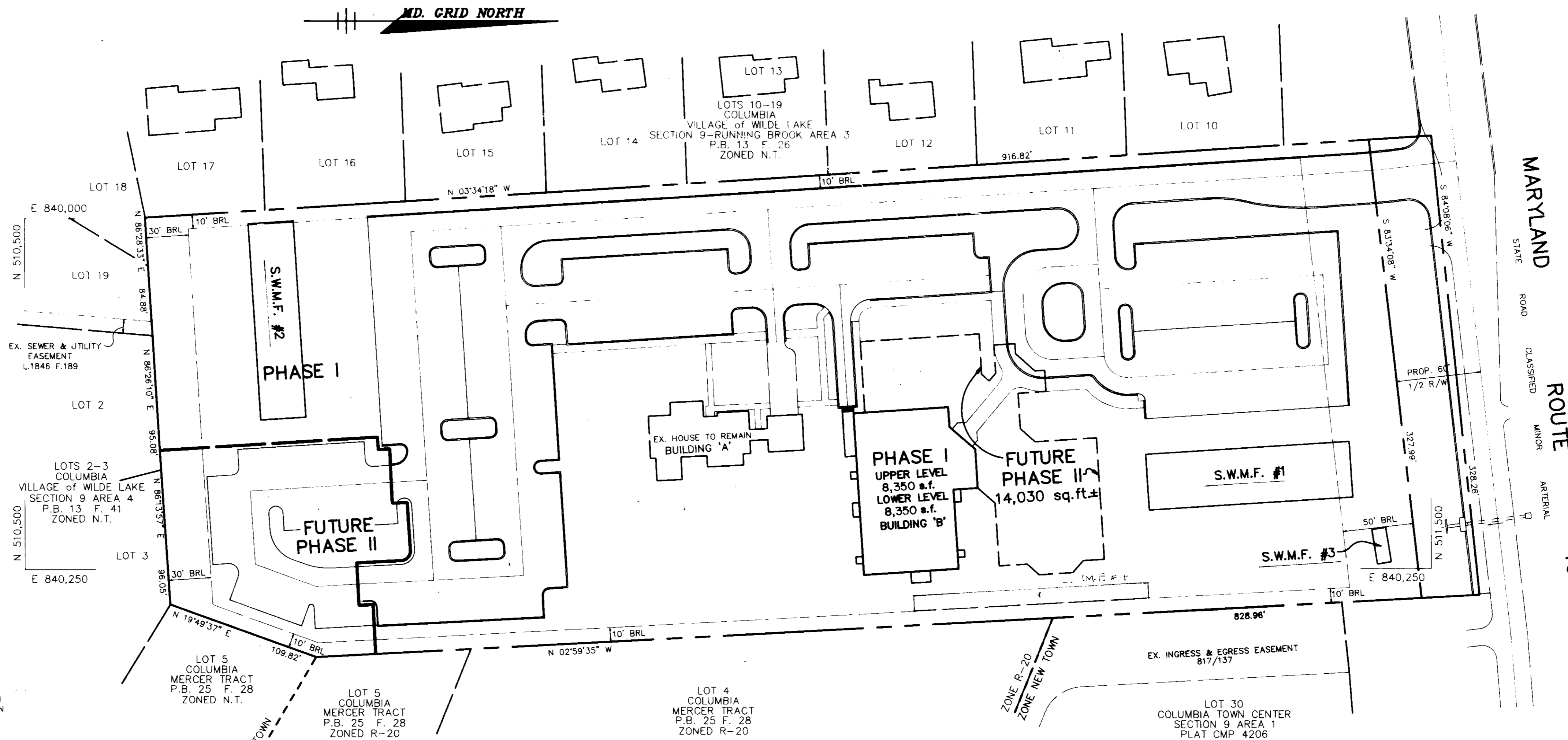
BENCH MARKS

BM# 2840001 ELEV. 433.64
CONCRETE MONUMENT 0.1' ABOVE SURFACE, NEAR FENCE LINE AND APPROXIMATELY 50' SOUTHEAST OF C&P POLE #162. N 511,254.336; E 838,654.056

BM# 2841001 ELEV. 409.9
CONCRETE MONUMENT 0.3' ABOVE SURFACE, 6'± NORTH OF FENCE LINE APPROXIMATELY OPPOSITE PEAK OF ROOF OF HOUSE #9928. N 511,061.801; E 840,720.436

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, 1990 AMENDMENTS.
- 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 CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES AT LEAST (5) DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS TO VERIFY THEIR LOCATION AND ELEVATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF LOCATION OF UTILITIES IS OTHER THAN SHOWN.
- CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS:
 MISS UTILITY 1-800-257-7777
 C&P TELEPHONE COMPANY 725-9912
 HOWARD COUNTY BUREAU OF UTILITIES 313-4900
 AT&T CABLE LOCATION DIVISION 393-3553
 BALTIMORE GAS & ELECTRIC COMPANY 688-0123
 STATE HIGHWAY ADMINISTRATION 531-5533
 HOWARD COUNTY CONSTRUCTION/INSPECT ON SURVEY 792-7272
 DIVISION (24 HOURS NOTICE PRIOR TO COMMENCEMENT OF WORK)
- ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT 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.
- NO PIPE SHALL BE LAD UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT TO SURFACE.
- TOPG TAKEN FROM FIELD RUN SURVEY DATED FEB. 1991 BY RIEMER MUEGGE AND ASSOCIATES, INC.
- ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- ALL STORM DRAIN PIPE BEDDING SHALL BE AS SHOWN IN DETAIL 02.01 (TRENCH IN ROCK OR TRENCH IN EARTH AS DETERMINED BY FIELD CONDITIONS) IN VOL. IV OF HOWARD COUNTY DESIGN MANUAL, UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR AS SHOWN ON THE DRAWINGS.
- THE DEVELOPER IS RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR RIGHTS-OF-WAY THAT MAY BE REQUIRED FOR THE SEDIMENT AND EROSION CONTROL PRACTICES, STORM WATER MANAGEMENT PRACTICES AND THE DISCHARGE OF STORM WATER ONTO OR ACROSS ADJACENT OR DOWNSTREAM PROPERTIES INCLUDED IN THIS PLAN. HE IS ALSO RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR WORK ON ADJACENT PROPERTIES INCLUDED IN THIS PLAN.
- THE OWNER SHALL PROVIDE A SEPARATE AND INDEPENDENT SEWER CONNECTION FOR EACH TENANT OR OCCUPANT OF ANY BUILDING SHOWN ON THIS SITE DEVELOPMENT PLAN, WHO WILL DISCHARGE NON-DOMESTIC WASTE TO THE PUBLIC SEWERAGE SYSTEM IF THIS WASTE IS REGULATED UNDER SECTION 18.122A OF THE HOWARD COUNTY CODE. EACH SEPARATE AND INDEPENDENT SEWER CONNECTION SHALL INCLUDE A STANDARD MANHOLE AND OTHER WATER PRE-TREATMENT DEVICES AS REQUIRED AND APPROVED BY HOWARD COUNTY. WASTE LINES ON THE INTERIOR OF THE BUILDING SHALL BE DESIGN, CONSTRUCTED OR MODIFIED SUCH THAT NON-DOMESTIC WASTE WILL BE DISCHARGED TO THE SEPARATE AND INDEPENDENT SEWER CONNECTION. NO PLAN SHALL DISCHARGE REGULATED NON-DOMESTIC WASTE TO THE PUBLIC SEWERAGE SYSTEM PRIOR TO INSTALLATION OF THE SEPARATE AND INDEPENDENT SEWER CONNECTION AND RELATED INTERIOR WASTE LINES. THE ABOVE REQUIREMENTS SHALL APPLY TO ALL PAST AND FUTURE OCCUPANTS OR TENANTS.
- STORMWATER MANAGEMENT FOR THIS DEVELOPMENT IS PROVIDED BY UNDERGROUND INFILTRATION FACILITIES.
- THE PAVEMENT DETAILS SHOWN ON THESE PLANS REFLECT THE HOWARD COUNTY MINIMUM STANDARD PAVEMENT SECTIONS AND ARE NOT BASED ON SITE SPECIFIC CONDITIONS. PRIOR TO PAVING, THE FINAL PAVEMENT SECTIONS SHALL BE DETERMINED BY A QUALIFIED GEOTECHNICAL ENGINEER BASED ON IN-SITU TESTING OF THE FINISHED SUBGRADE. THE TESTING AND GEOTECHNICAL ENGINEER SHALL BE FURNISHED BY THE OWNER.
- BOARD OF APPEALS CASE NO. BA-92-14E WAS A PETITION FOR A SPECIAL EXCEPTION FOR A RELIGIOUS FACILITY AND WAS GRANTED ON FEBRUARY 25, 1990.
BOARD OF APPEALS CASE NO. BA-86-48E WAS A PETITION FOR A SPECIAL EXCEPTION FOR A RELIGIOUS FACILITY AND WAS GRANTED ON MARCH 10, 1987, AND EXTENDED ON NOVEMBER 13, 1988.
- A SPRINKLER SYSTEM IS TO BE PROVIDED FOR THE PROPOSED BUILDING.



SITE TABULATION

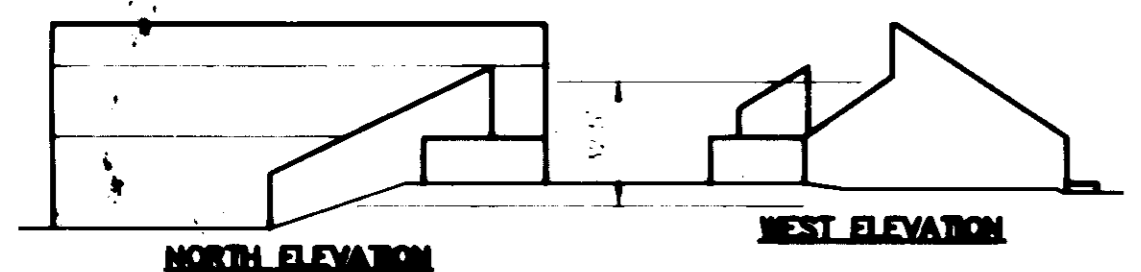
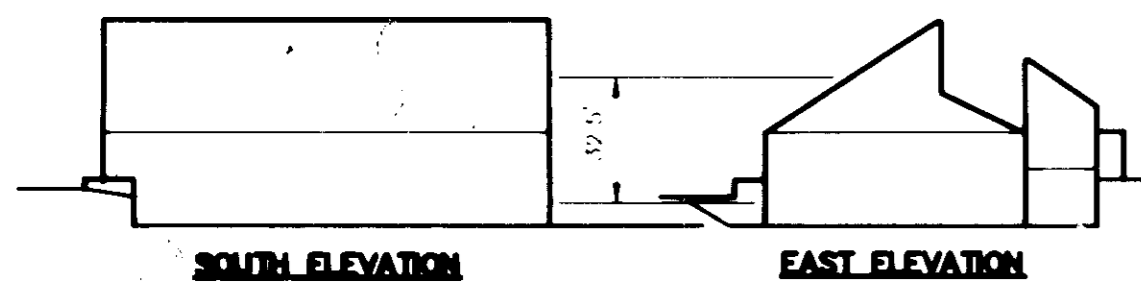
TOTAL AREA	6.803 AC.
EXISTING ZONING	R-20
PROPOSED USE	RELIGIOUS FACILITY INCLUDING: 1. PHASE I BUILDING 'A' EXISTING HOUSE TO REMAIN RESIDENCE-2,000 SF EXISTING HOUSE TO REMAIN OFFICES-650 SF 2. PHASE I BUILDING 'B' ONE STORY WITH PARTIAL BASEMENT GYMNASIUM UPPER LEVEL 8,350 SF FELLOWSHIP FACILITY LOWER LEVEL (CLASSROOMS) 8,350 SF NOTE: GYMNASIUM TO BE USED FOR FELLOWSHIP SERVICES UNTIL FUTURE SANCTUARY IS CONSTRUCTED. GYM WILL ACCOMMODATE 522 SEATS.
PARKING REQUIRED	184 SPACES
● 1 SPACE/3 FIXED SEATS OF MAXIMUM ASSEMBLY AREA (550 SEATS PROPOSED)	
PARKING PROVIDED	PHASE I 184 (INCLUDES 6 HANDICAP) PHASE II 37 TOTAL 221 (INCLUDES 6 HANDICAP)
AREA OF PARKING LOTS	60,243 SF
AREA OF LANDSCAPE ISLANDS	3690 SF (6.1% OF PARKING AREA)
OPEN SPACE	187,308 SF (63.2% OF TOTAL AREA)
PARKING PROVIDED	184 SPACES

PLAN
SCALE: 1"=50'

ADDRESS CHART

BUILDING	STREET ADDRESS
A	10001 CLARKSVILLE PIKE
B	10001 CLARKSVILLE PIKE

COLUMBIA NAME	COLUMBIA PRESBYTERIAN CHURCH	SECT./AREA	N/A	PARCEL	223
PLAT #	N/A	BLOCK #	8	ZONING - TAX MAP NO.	R-20 30
ELECT. DIST.	5th	GENUS TRACT	G084		
WATER CODE	E01	SEWER CODE	5680200		



BUILDING ELEVATIONS
NO SCALE

AS BUILT CERTIFICATE

ARTHUR E. MUEGGE #8707 DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
James A. Boyd per *Spn* 9/4/92
 COUNTY HEALTH OFFICE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.
Joseph R. Keith 9/4/92
 DIRECTOR

Anna Holmatt 7/6/92
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.
James J. Lane 8/21/92
 DIRECTOR

Michael J. Ryan 8/21/92
 CHIEF, BUREAU OF ENGINEERING

DATE	NO.	REVISION
OWNER / DEVELOPER		
COLUMBIA PRESBYTERIAN CHURCH 10001 CLARKSVILLE PIKE COLUMBIA, MARYLAND 21044		
PROJECT		
COLUMBIA PRESBYTERIAN CHURCH		
AREA		
T.M. No. 30 PARCEL 223 ZONED R-20 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND		
TITLE		
TITLE SHEET		

RIEMER MUEGGE & ASSOCIATES, INC.
 A Land Planning, Engineering and Consulting Firm
 8818 Centre Park Drive Suite 200 Columbia, Md. 21045
 410-997-8900 FAX: 410-997-9282

3-13-92 DATE

DESIGNED BY: CB

DRAWN BY: CB

PROJECT NO.: 69702

DATE: MARCH 13, 1992

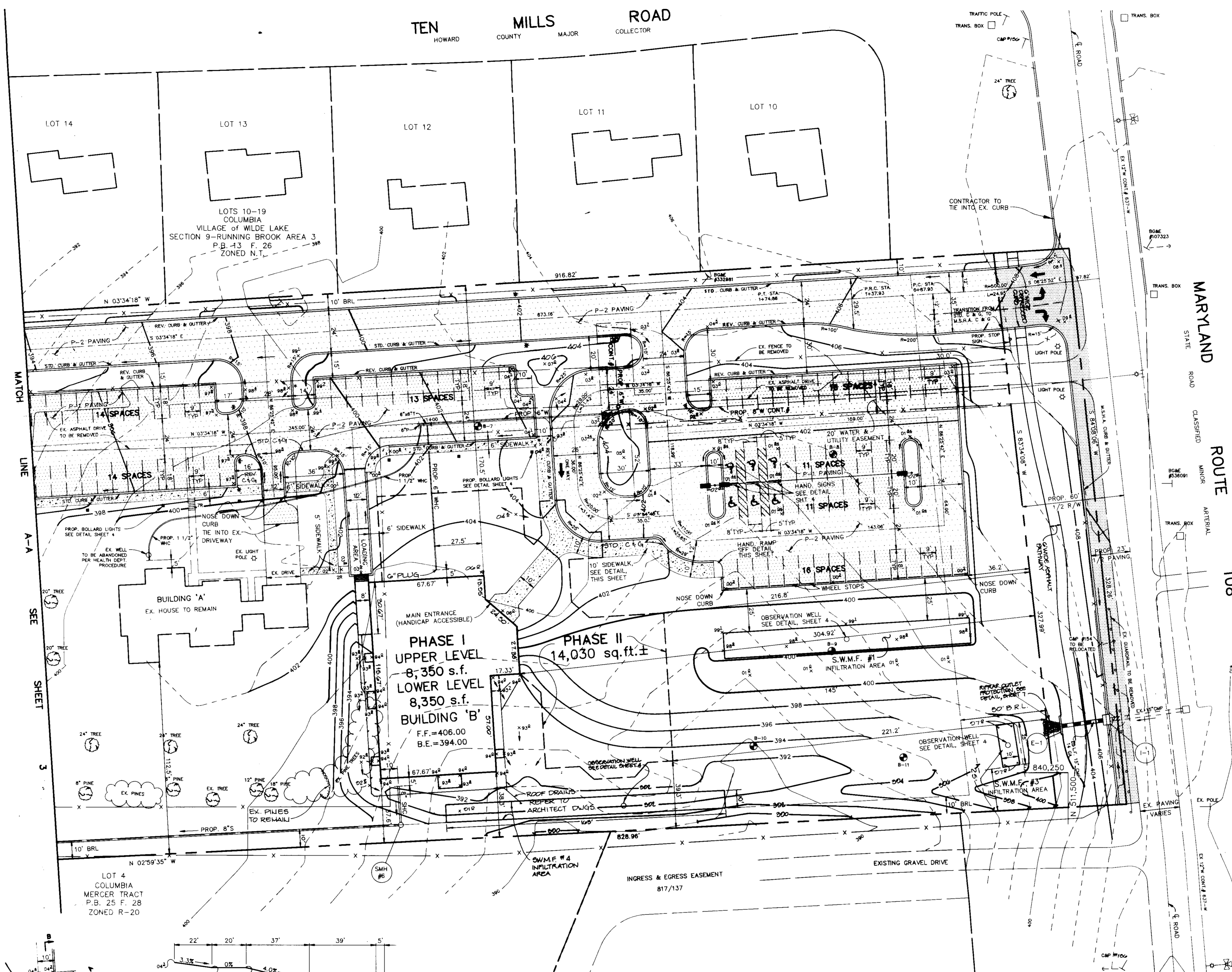
SCALE: AS SHOWN

DRAWING NO. 1 OF 9

STATE OF MARYLAND PROFESSIONAL ENGINEER ARTHUR E. MUEGGE #8707

TEN MILLS ROAD
HOWARD COUNTY MAJOR COLLECTOR

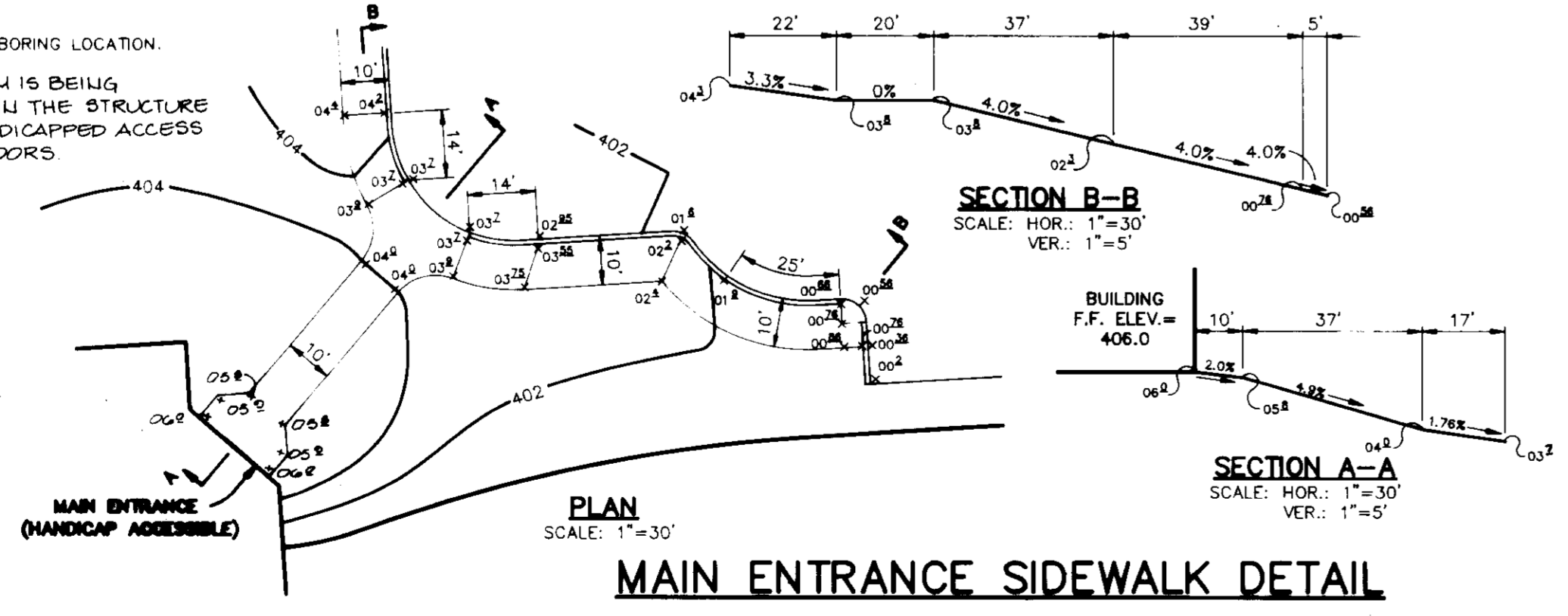
MD. GRID NORTH



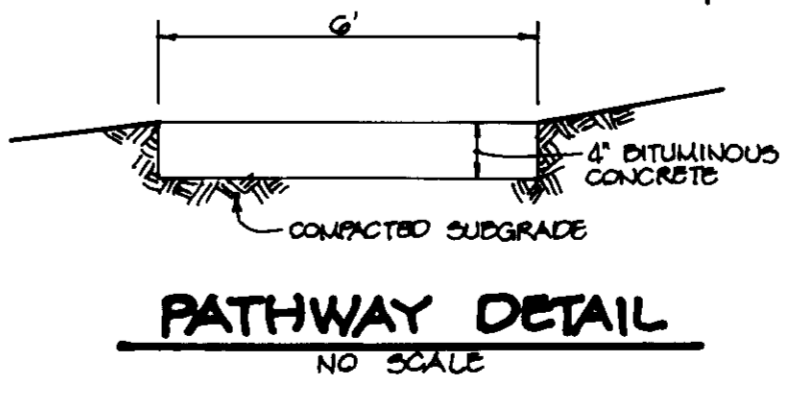
LEGEND

- P-1 PAVING
- P-2 PAVING
- M.S.H.A. PAVING
- PROP. SIDEWALK
- PROPOSED LIGHT POLE
SEE DETAIL SHEET 4
- PROPOSED BOLLARD LIGHT
SEE DETAIL SHEET 4

- NOTES:**
- ALL CURB RADII ARE 5' UNLESS OTHERWISE NOTED.
 - * DENOTES TRANSITION FROM STANDARD TO REVERSE CURB AND GUTTER.
 - ⊙ DENOTES SOIL BORING LOCATION.
 - A LIFT SYSTEM IS BEING PROVIDED WITHIN THE STRUCTURE TO ALLOW HANDICAPPED ACCESS BETWEEN FLOORS.



PLAN
SCALE: 1"=30'



AS BUILT CERTIFICATE	
ARTHUR E. MUEGGE #8707	DATE
APPROVED : FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.	
<i>Joseph M. ...</i> COUNTY HEALTH OFFICER	9/4/92 DATE
APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>James R. ...</i> DIRECTOR	9/2/92 DATE
<i>Anna S. ...</i> CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT	9/8/92 DATE
APPROVED : FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.	
<i>James G. ...</i> DIRECTOR	8/13/92 DATE
<i>Arthur E. Muegge</i> CHIEF, BUREAU OF ENGINEERING	8-21-92 DATE
1	ADDED 2" ASPHALT PATH & DETAIL REV. STORM DRAIN E-1 - I-1
DATE NO.	REVISION
OWNER / DEVELOPER	
COLUMBIA PRESBYTERIAN CHURCH 1001 CLARKSVILLE PIKE COLUMBIA, MARYLAND 21044	
PROJECT	
COLUMBIA PRESBYTERIAN CHURCH	
AREA	
T.M. No. 30 PARCEL 223 ZONED R-20 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND	
TITLE	
SITE DEVELOPMENT PLAN	

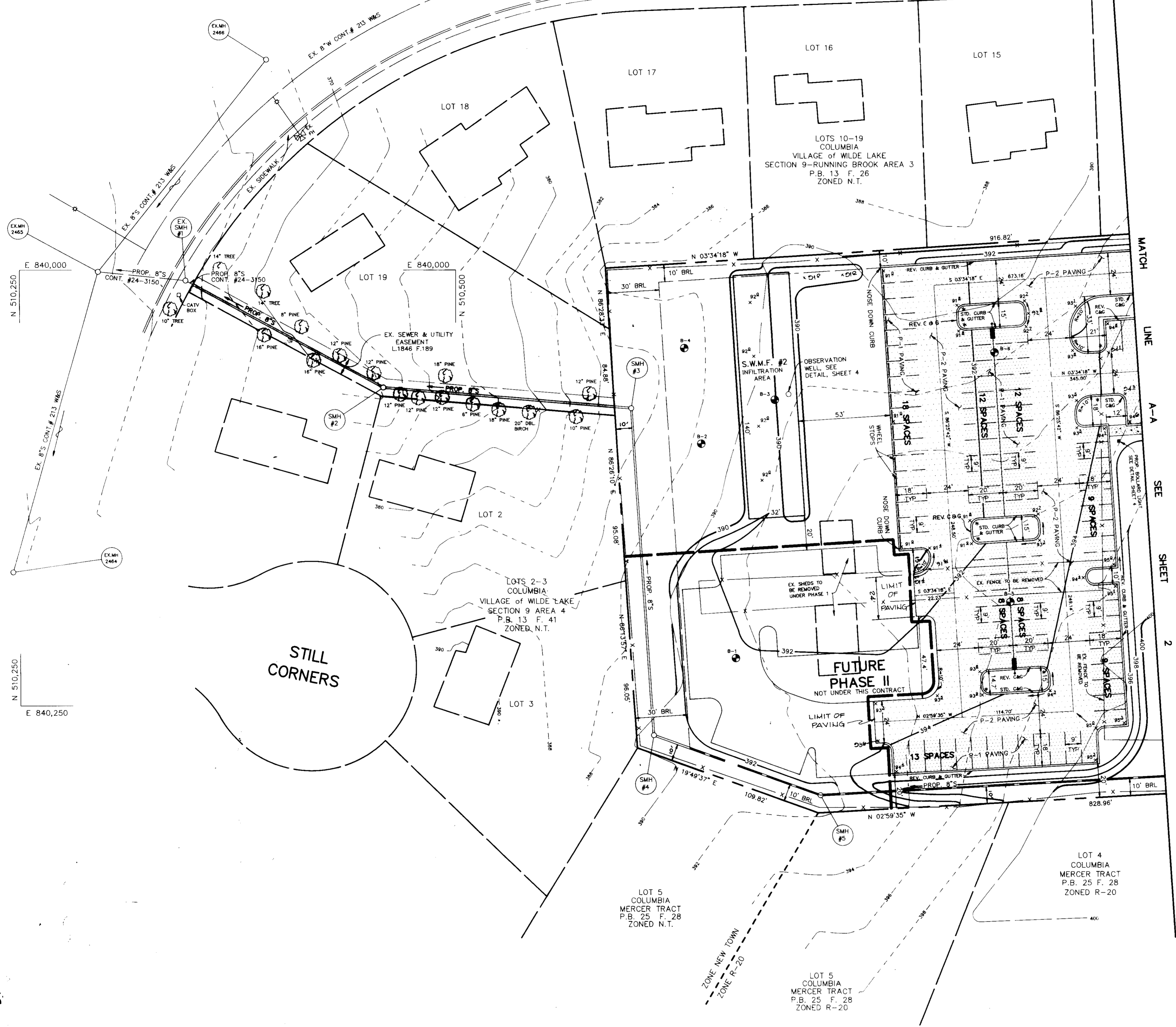
RIEMER MUEGGE & ASSOCIATES, INC.
A Land Planning, Engineering and Consulting Firm
8818 Centre Park Drive Suite 200 Columbia, Md. 21045
410-997-8900 FAX: 410-997-9282

3/13/92
DATE

DESIGNED BY: CB
DRAWN BY: CB
PROJECT NO.: 69702
DATE: MARCH 13, 1992
SCALE: AS SHOWN
DRAWING NO. 2 OF 9

MD. GRID NORTH

TEN MILLS ROAD
HOWARD COUNTY MAJOR COLLECTOR



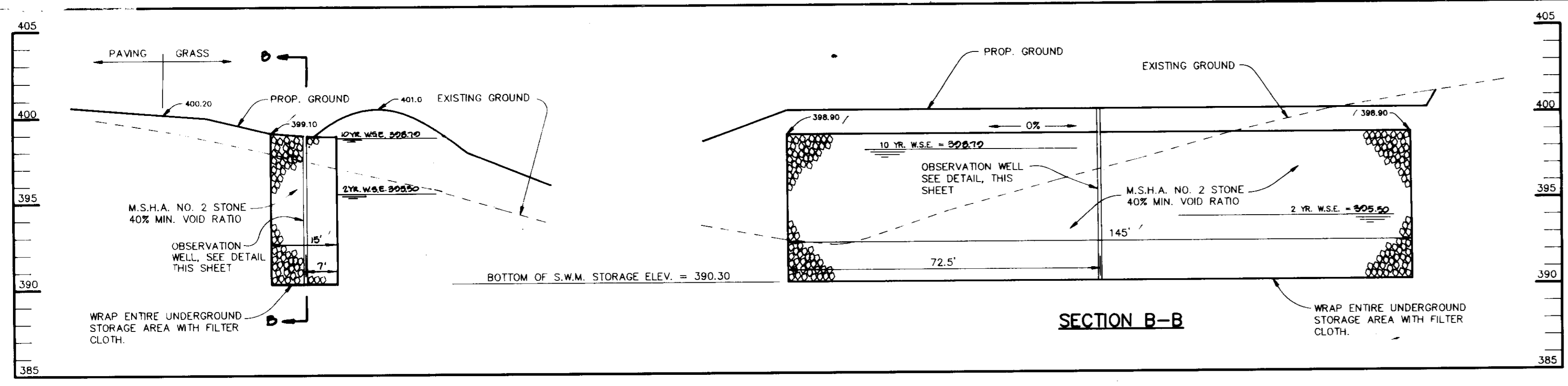
PLAN
SCALE: 1"=30'

LEGEND

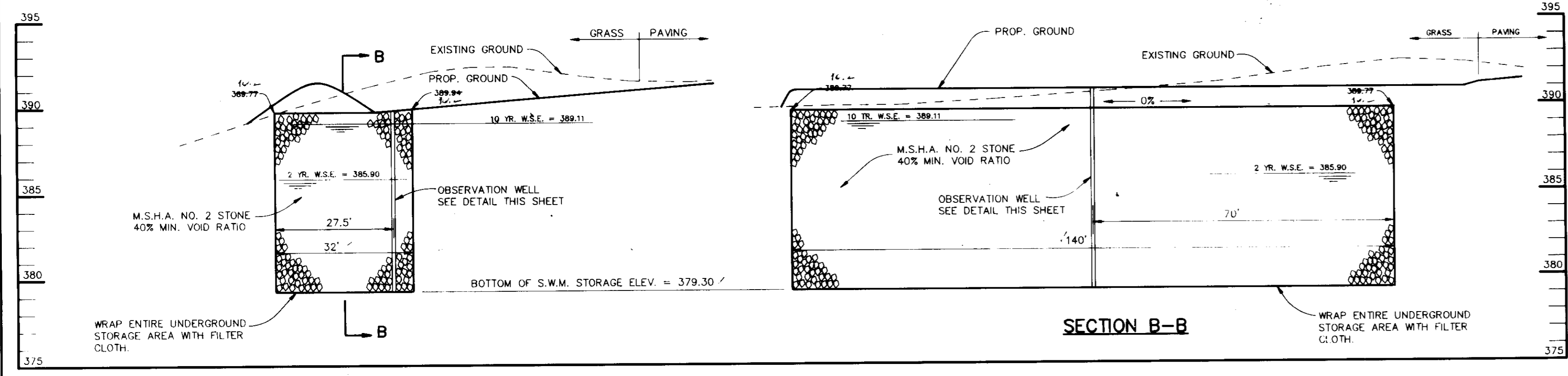
- P-1 PAVING
- P-2 PAVING
- PROP. SIDEWALK
- PROPOSED LIGHT POLE
SEE DETAIL SHEET 4
- PROPOSED BOLLARD LIGHT
SEE DETAIL SHEET 4

- NOTES:
1. ALL CURB RADII ARE 5' UNLESS OTHERWISE NOTED.
 2. * DENOTES TRANSITION FROM STANDARD TO REVERSE CURB AND GUTTER.
 3. ⊕ DENOTES SOIL BORING LOCATION

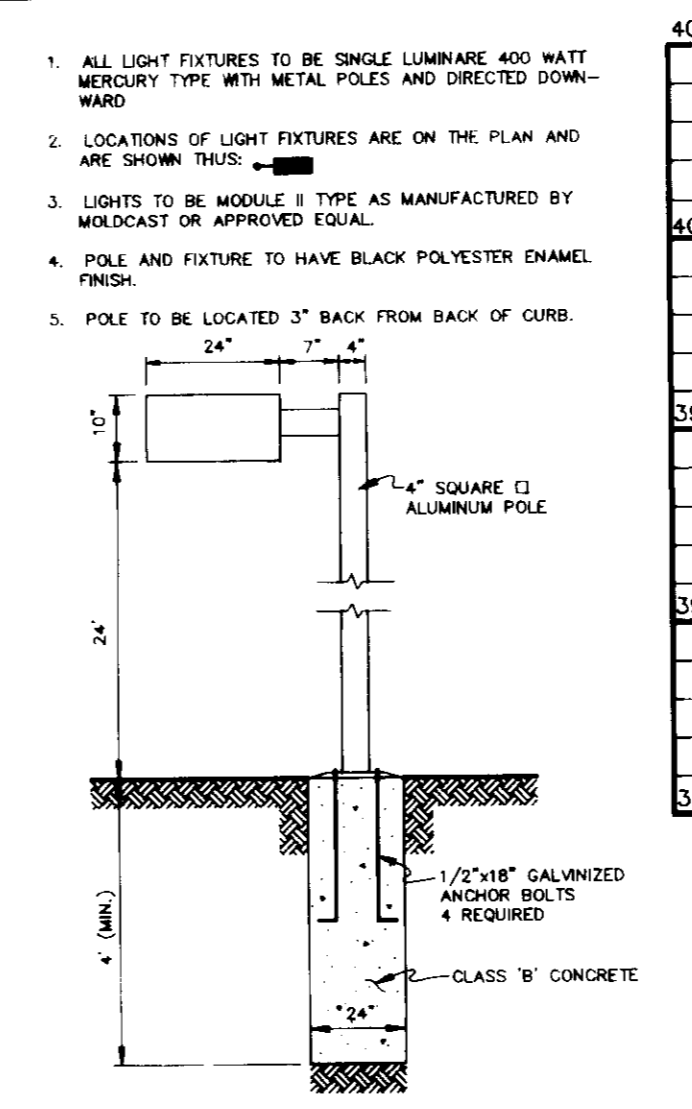
AS BUILT CERTIFICATE	
ARTHUR E. MUEGGE #8707	DATE
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.	
<i>Joyce M. Boyd</i> COUNTY HEALTH OFFICER	9/4/92 DATE
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>James M. Smith</i> DIRECTOR	9/9/92 DATE
<i>Thomas H. Adams</i> CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT	9/6/92 DATE
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.	
<i>James M. Smith</i> DIRECTOR	8/31/92 DATE
<i>Arthur E. Muegge</i> CHIEF, BUREAU OF ENGINEERING	8/30/92 DATE
DATE NO.	REVISION
OWNER / DEVELOPER COLUMBIA PRESBYTERIAN CHURCH 10001 CLARKSVILLE PIKE COLUMBIA, MARYLAND 21044	
PROJECT COLUMBIA PRESBYTERIAN CHURCH	
AREA T.M. No. 30 PARCEL 223 ZONED R-20 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND	
TITLE SITE DEVELOPMENT PLAN	
RIEMER MUEGGE & ASSOCIATES, INC. A Land Planning, Engineering and Consulting Firm 8818 Centre Park Drive Suite 200 Columbia, Md. 21045 410-997-8900 FAX: 410-997-9282	
3-15-92 DATE	BA 90-141 BA 86 4th
	DESIGNED BY: CB
	DRAWN BY: CB
	PROJECT NO.: 69702
	DATE: MARCH 13, 1992
	SCALE: AS SHOWN
	DRAWING NO. 3 OF 9



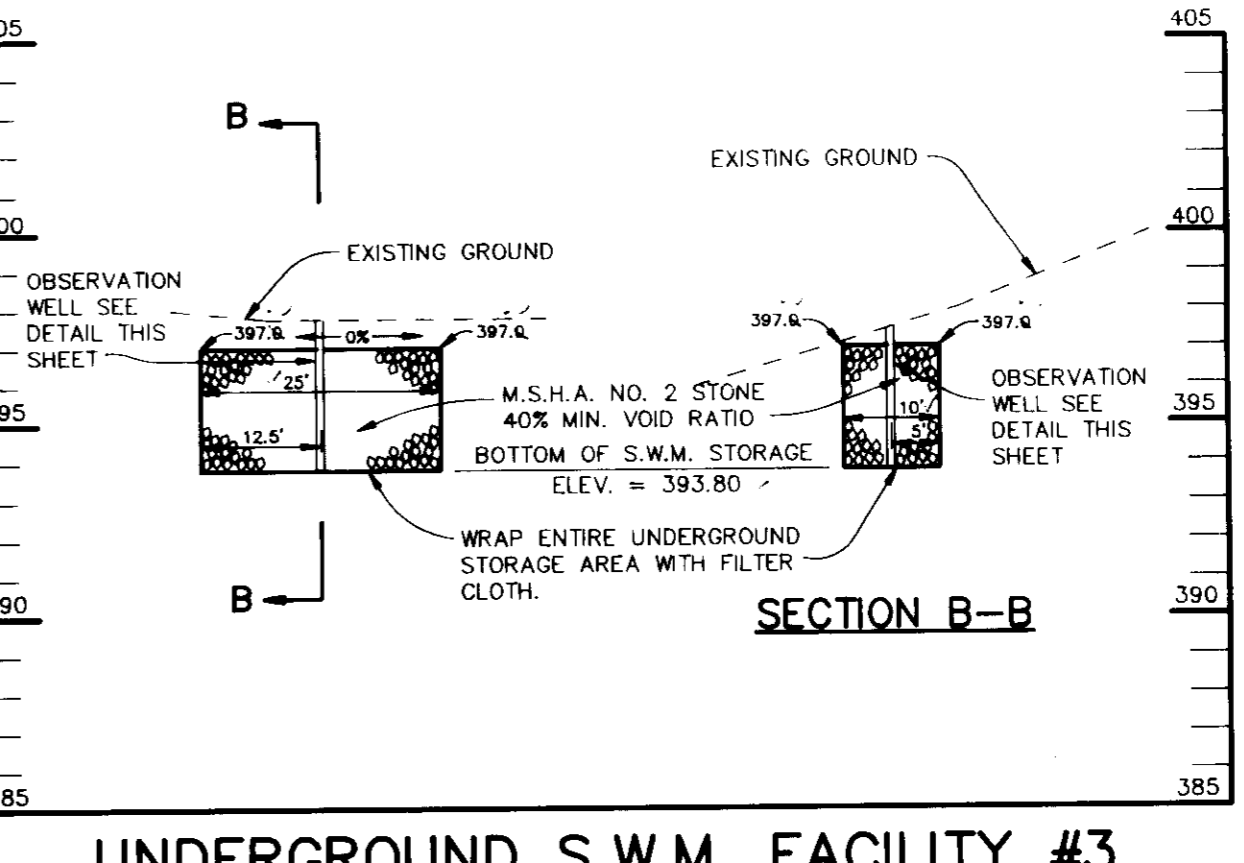
UNDERGROUND S.W.M. FACILITY #1
SCALE: HOR: 1"=20'
VER: 1"=5'



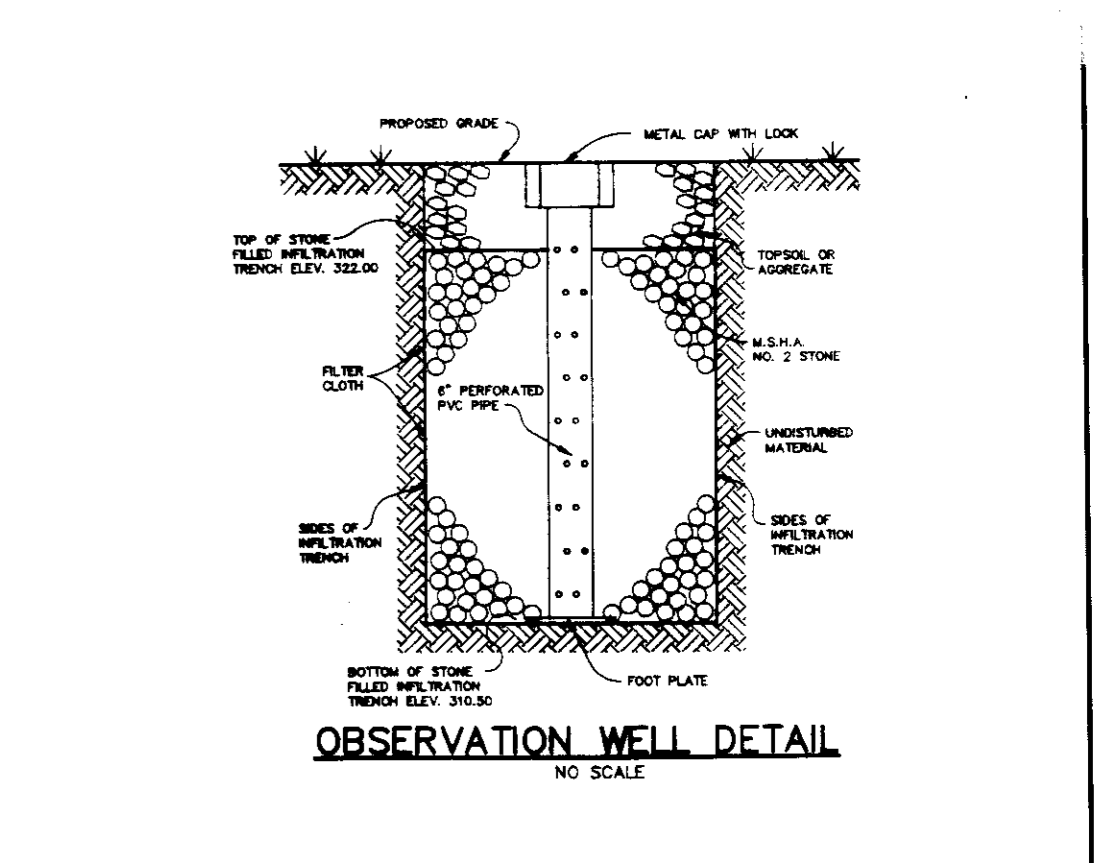
UNDERGROUND S.W.M. FACILITY #2
SCALE: HOR: 1"=20'
VER: 1"=5'



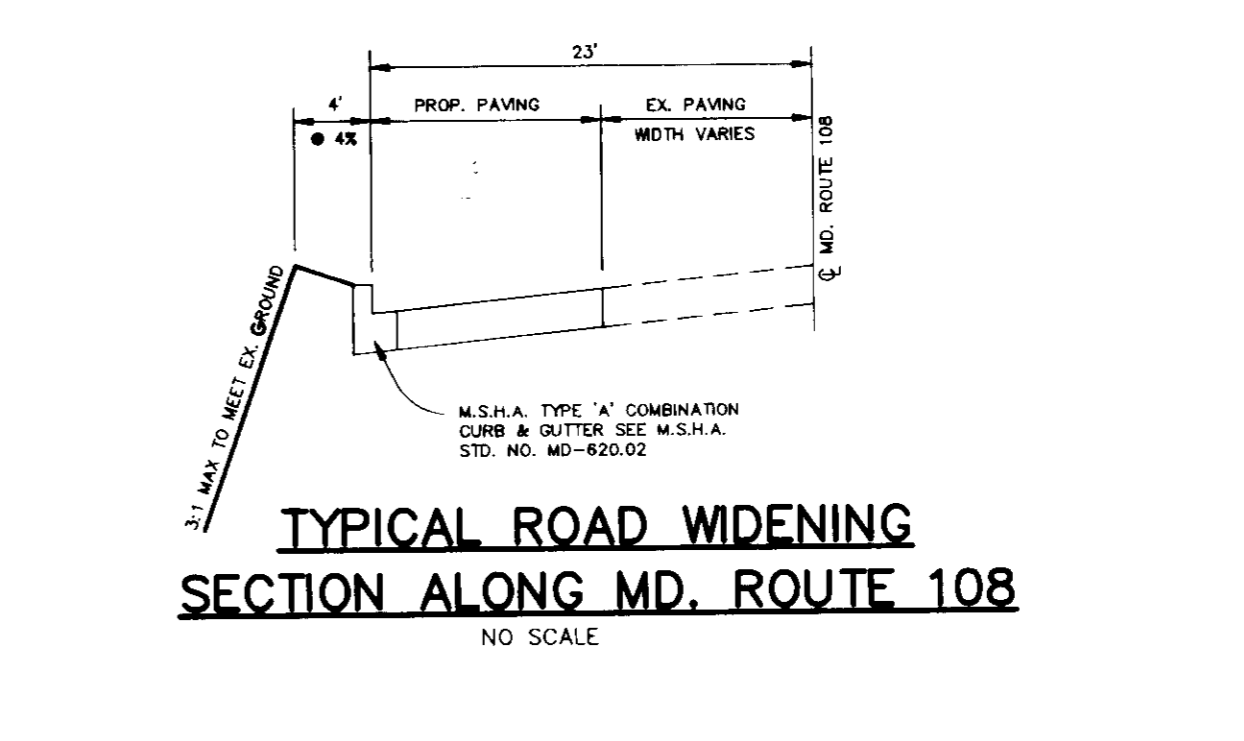
LIGHT POLE DETAIL
NO SCALE



UNDERGROUND S.W.M. FACILITY #3
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VER: 1"=5'



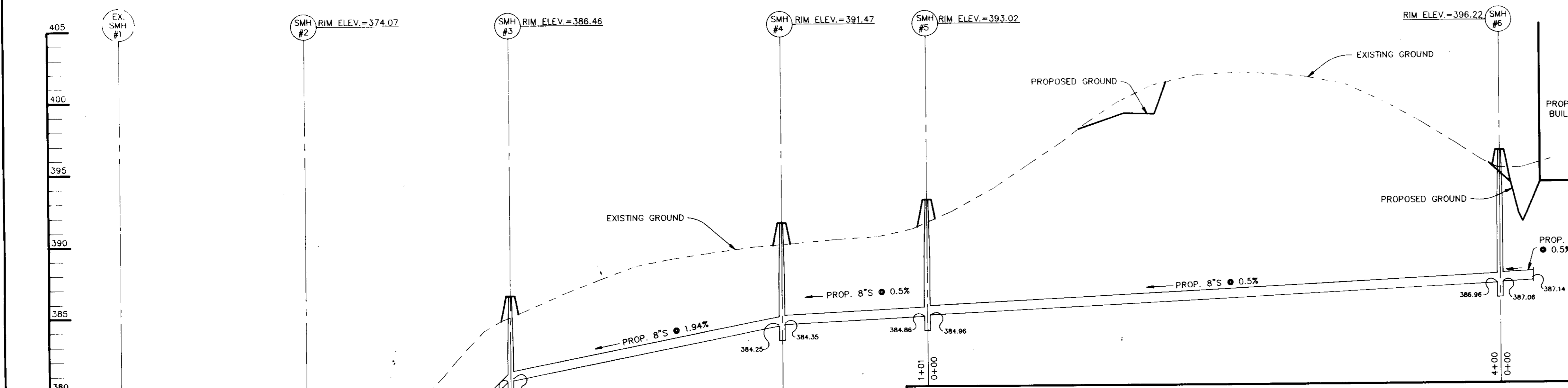
OBSERVATION WELL DETAIL
NO SCALE



TYPICAL ROAD WIDENING SECTION ALONG MD. ROUTE 108
NO SCALE

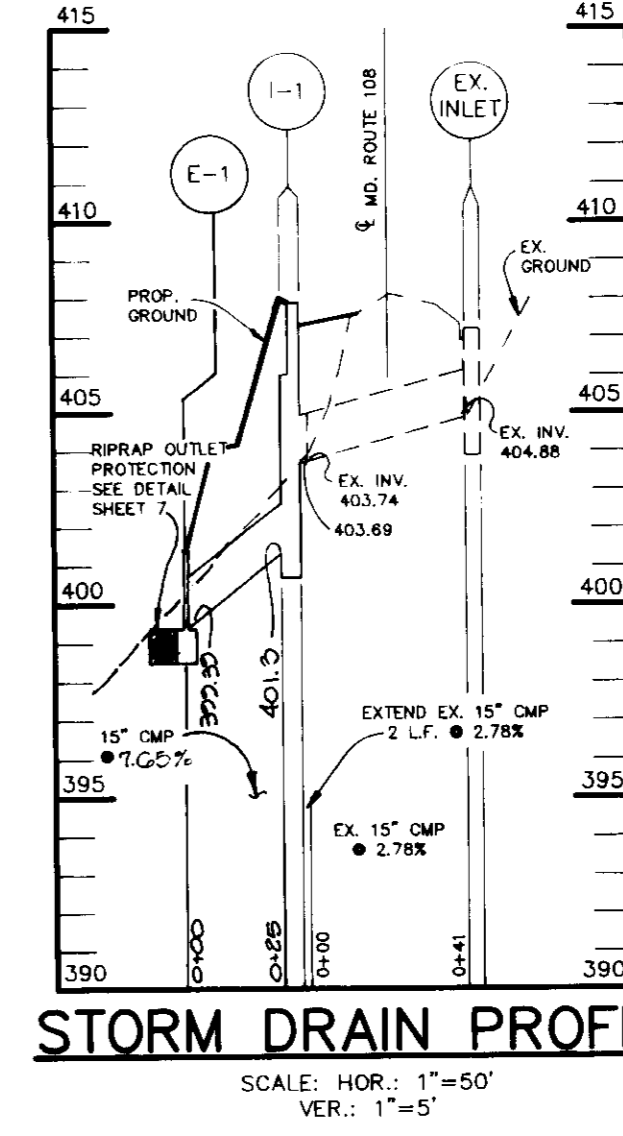


BOLLARD LIGHT DETAIL
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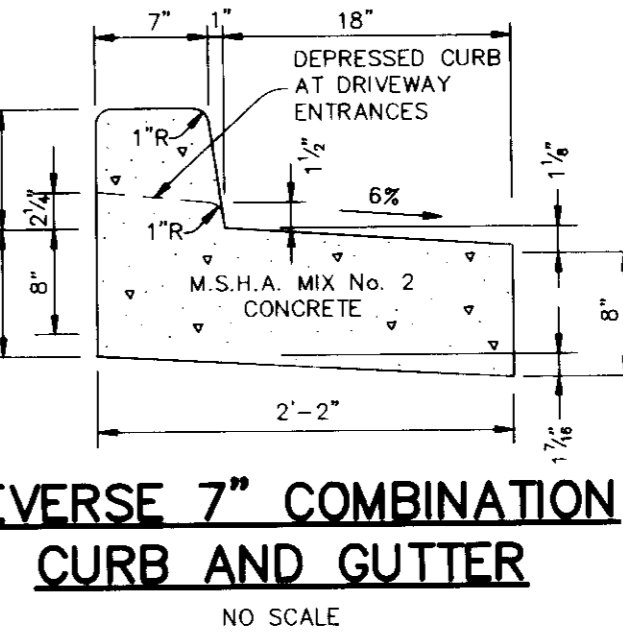


SEWER PROFILE
SCALE: HOR: 1"=50'
VER: 1"=5'

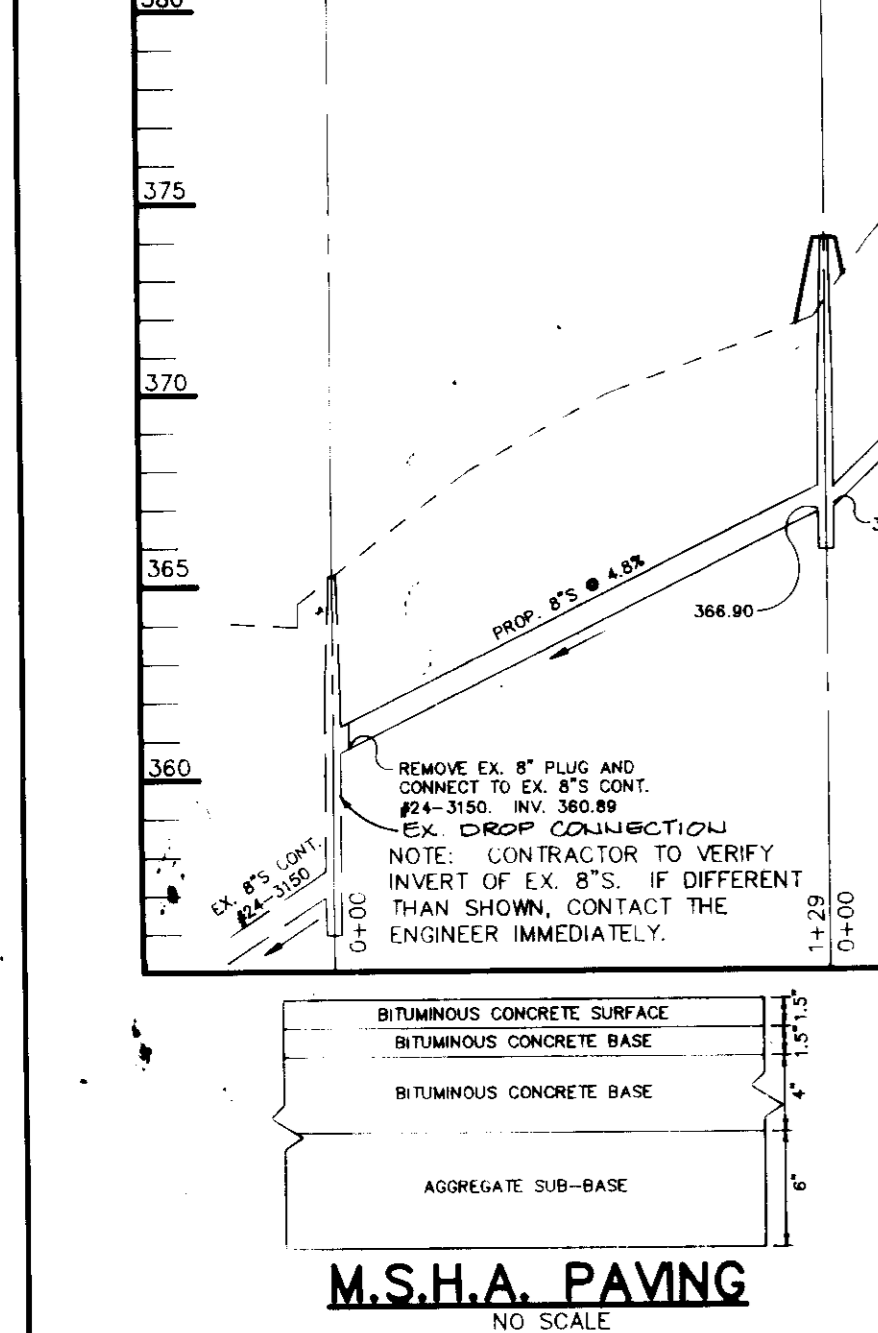
STRUCTURE SCHEDULE						
NO.	TYPE	LOCATION	INV. IN	INV. OUT	TOP ELEV.	REMARKS
E-1	COS 5	SEE PLAN	403.69	401.50	407.90	SEE M.S.H.A. STD. NO. MD-374.51
E-1	TYPE 'C'	SEE PLAN	-	399.50	-	SEE M.S.H.A. STD. NO. MD-354.01



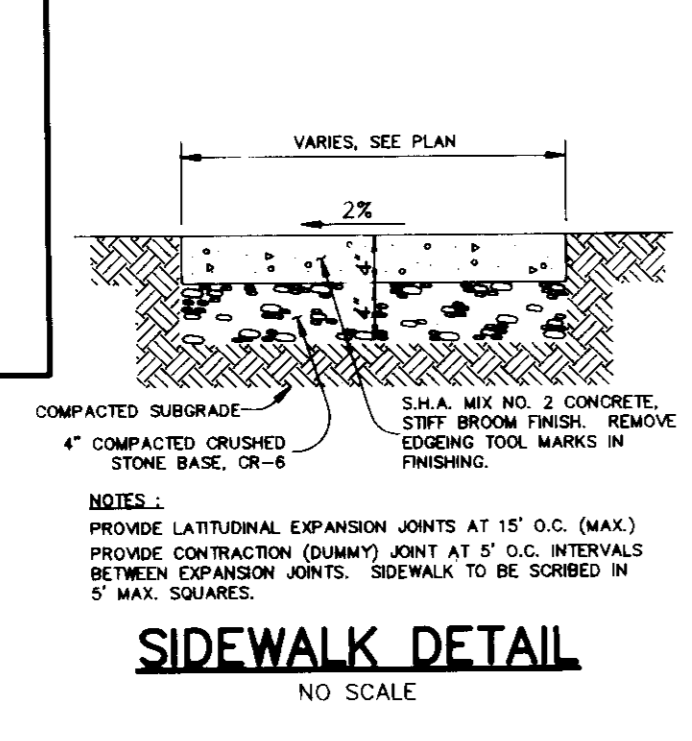
STORM DRAIN PROFILE
SCALE: HOR: 1"=50'
VER: 1"=5'



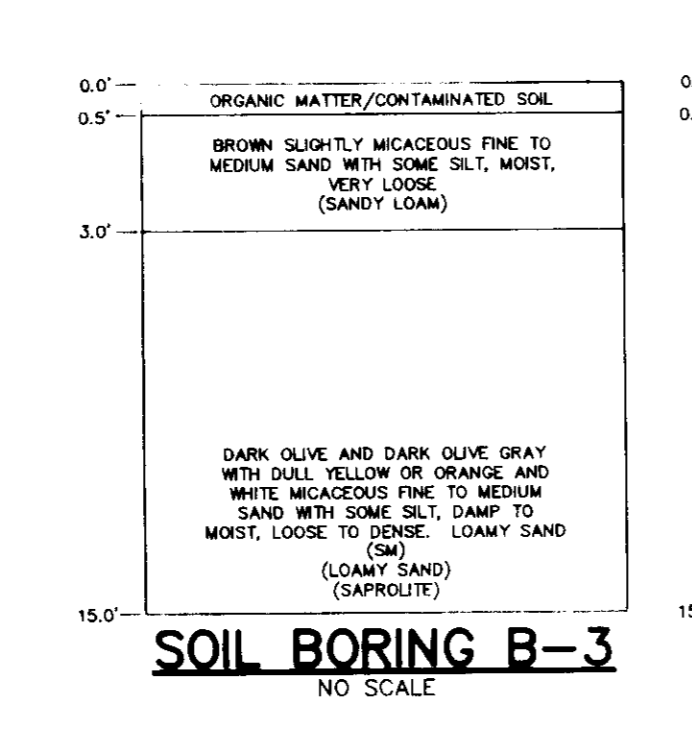
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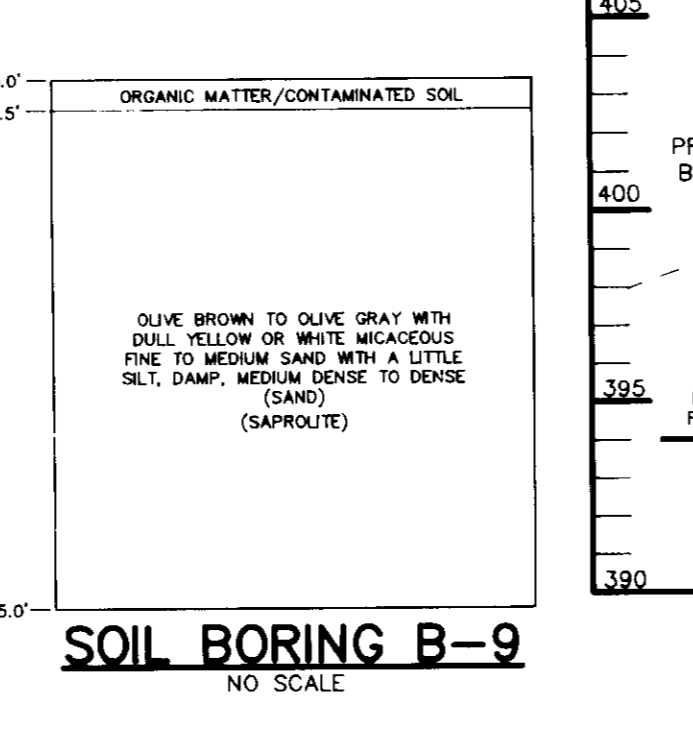
M.S.H.A. PAVING
NO SCALE



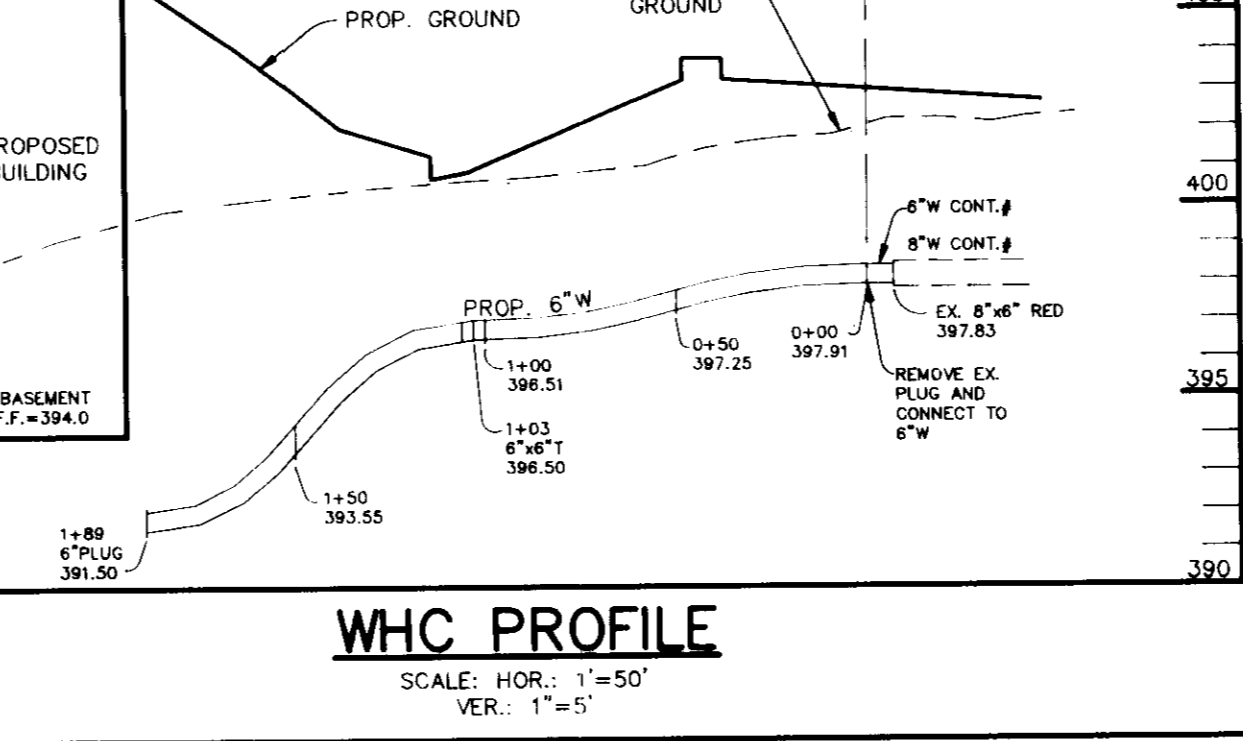
SIDEWALK DETAIL
NO SCALE



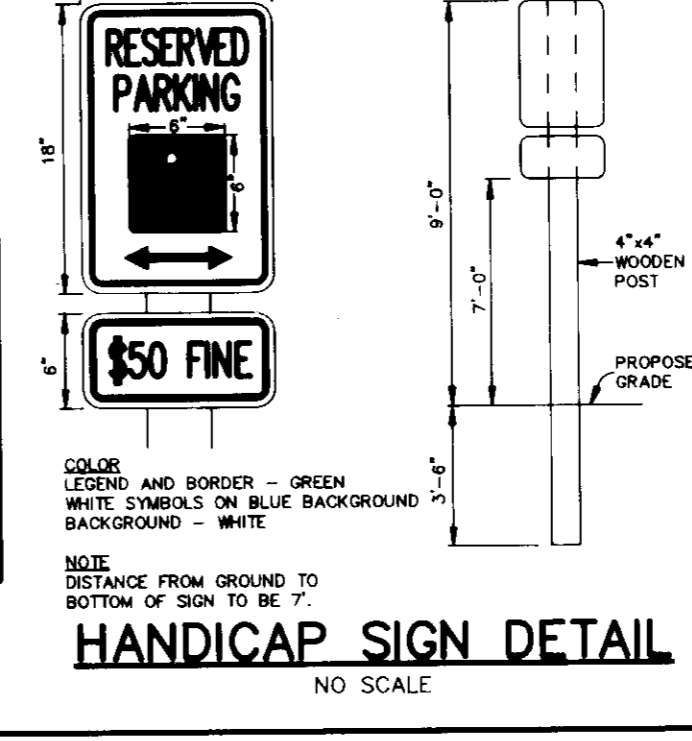
SOIL BORING B-3
NO SCALE



SOIL BORING B-9
NO SCALE



WHC PROFILE
SCALE: HOR: 1"=50'
VER: 1"=5'



HANDICAP SIGN DETAIL
NO SCALE

AS BUILT CERTIFICATE

ARTHUR E. MUEGGE #8707 DATE

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

James M. Boyd 9/4/92 DATE
COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

James M. Boyd 9/9/92 DATE
DIRECTOR

James M. Boyd 9/10/92 DATE
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

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

James M. Boyd 9/13/92 DATE
DIRECTOR

James M. Boyd 9/23/92 DATE
CHIEF, BUREAU OF ENGINEERING

1 REV. STORM DRAIN PROFILE & STRUCTURE SCHEDULE

DATE NO. REVISION

OWNER / DEVELOPER

COLUMBIA PRESBYTERIAN CHURCH
10001 CLARKSVILLE PIKE
COLUMBIA, MARYLAND 21044

PROJECT
COLUMBIA PRESBYTERIAN CHURCH

AREA
T.M. No. 30 PARCEL 223 ZONED R-20
5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

TITLE
PROFILES & DETAILS

RIEMER MUEGGE & ASSOCIATES, INC.
A Land Planning, Engineering and Consulting Firm
8818 Centre Park Drive Suite 200 Columbia, MD 21045
410-997-8900 FAX: 410-997-9287

3-13-92 DATE

BA 90-34E RA 61 45E

DESIGNED BY: CB

DRAWN BY: CB

PROJECT NO: 69702

DATE: FEBRUARY 18, 1992

SCALE: AS SHOWN

DRAWING NO. 4 OF 9

ARTHUR E. MUEGGE #8707 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 PROGRAM 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.

Stephen A. Newhouse 3/12/92
DEVELOPER/OWNER - COLUMBIA PRESBYTERIAN CHURCH

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.

William C. Muegge 3/13/92
ENGINEER DATE

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

Donna M. Helman 7/5/92
U.S. SOIL CONSERVATION SERVICE DATE

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

John R. Robinson 7/8/92
HOWARD SOIL CONSERVATION DISTRICT DATE

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

Joyce M. Boyd per *SSM* 9/4/92
COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

James R. Smith 9/9/92
DIRECTOR DATE

Anna M. Blomach 9/8/92
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

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

Thomas J. ... 8/31/92
DIRECTOR DATE

William C. Muegge 8/31/92
CHIEF, BUREAU OF ENGINEERING DATE

DATE NO. REVISION

OWNER / DEVELOPER
COLUMBIA PRESBYTERIAN CHURCH
10001 CLARKSVILLE PIKE
COLUMBIA, MARYLAND 21044

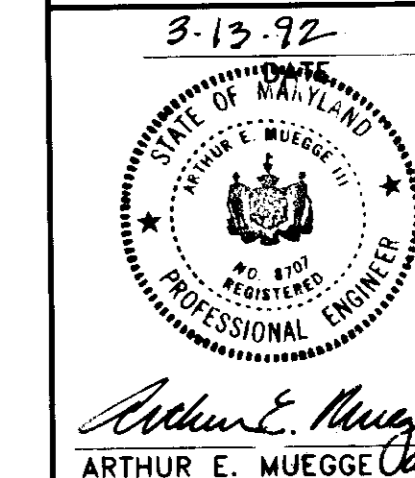
PROJECT
COLUMBIA PRESBYTERIAN CHURCH

AREA
T.M. No. 30 PARCEL 223 ZONED R-20
5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

TITLE
SEDIMENT CONTROL PLAN & DRAINAGE AREA MAP

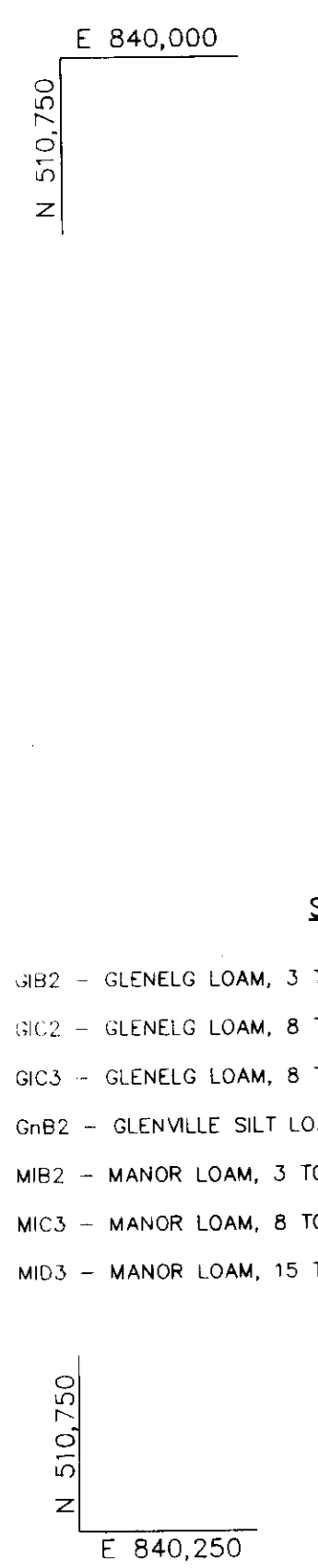
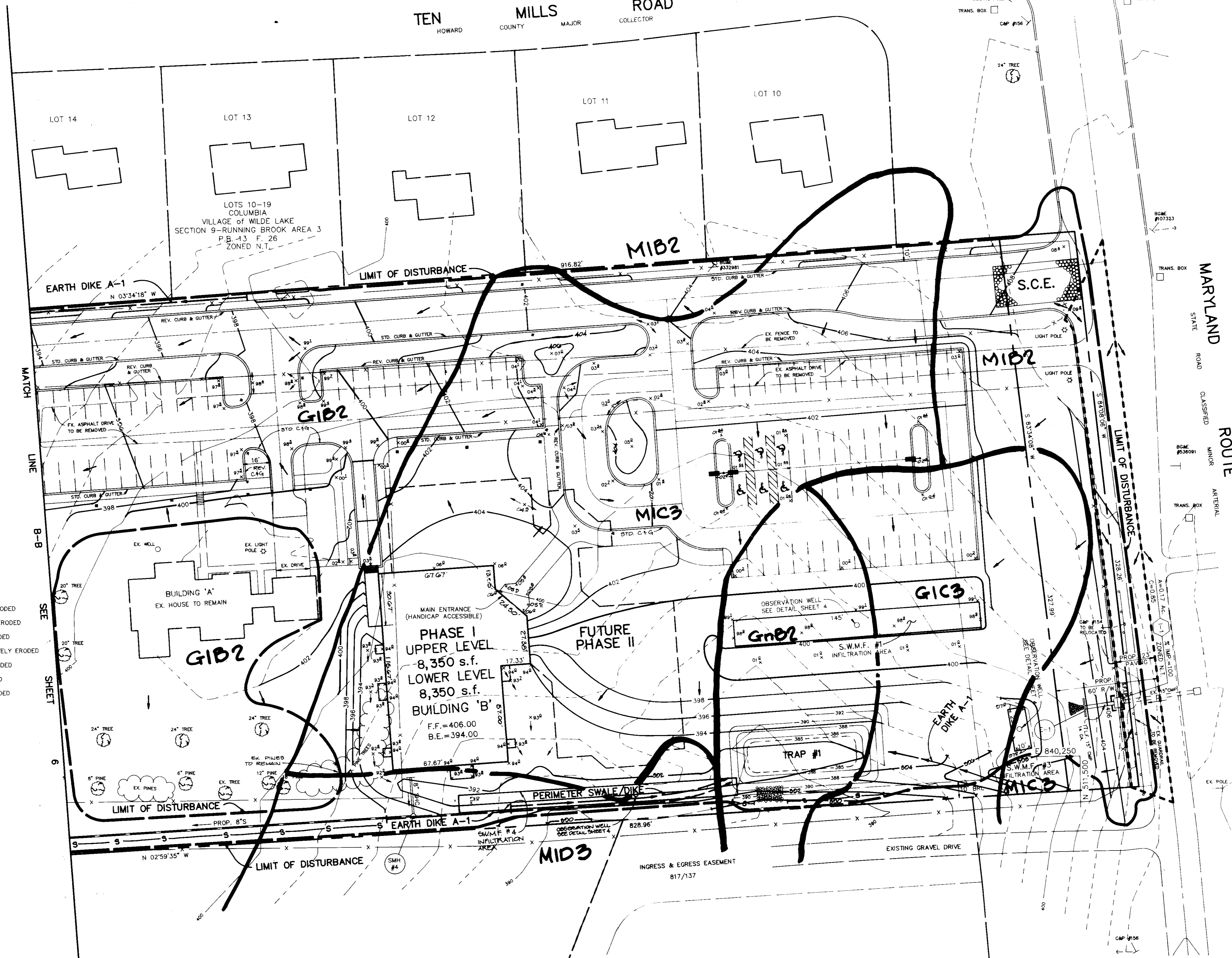
RIEMER MUEGGE & ASSOCIATES, INC.
A Land Planning, Engineering and Consulting Firm
8818 Centre Park Drive Suite 200 Columbia, Md. 21045
410-997-8900 FAX: 410-997-9282

3-13-92
DESIGNED BY: CB
DRAWN BY: CB
PROJECT NO: 69702
DATE: MARCH 13, 1992
SCALE: AS SHOWN
DRAWING NO. 5 OF 9



MD. GRID NORTH

TEN MILLS ROAD
HOWARD COUNTY MAJOR COLLECTOR



SOILS LEGEND

- GH2 - GLENELG LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
- GC2 - GLENELG LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED
- GIC3 - GLENELG LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED
- GIB2 - GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
- MIB2 - MANOR LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
- MIC3 - MANOR LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED
- MID3 - MANOR LOAM, 15 TO 25 PERCENT SLOPES, SEVERELY ERODED

LEGEND

- EARTH DIKE
- LIMIT OF DISTURBANCE
- - - - - LIMIT OF DRAINAGE AREA
- - - - - SILT FENCE
- INDICATES DIRECTION OF DRAINAGE FLOW

PLAN
SCALE: 1"=30'

TRAP #1
STONE OUTLET SEDIMENT TRAP
DRAINAGE AREA = 2.80 AC.
STORAGE REQUIRED FOR SEDIMENT = 5040 cu. ft.
STORAGE PROVIDED FOR SEDIMENT = 5165 cu. ft. @ EL. 388.0
TOP OF DAM = 389.0
CLEANOUT ELEVATION = 386.5
BOTTOM ELEVATION = 385.0
BOTTOM DIMENSIONS: 6'4" x 18'
CREST ELEVATION = 389.0
CREST WIDTH = 12'
DEPTH OF TRAP = 4' (BELOW SPILLWAY)

LOT 4
COLUMBIA MERCER TRACT
P.B. 25 F. 28
ZONED R-20

LOT 30
COLUMBIA TOWN CENTER
SECTION 9 AREA 1
PLAT CMP 4206
ZONED N.T.

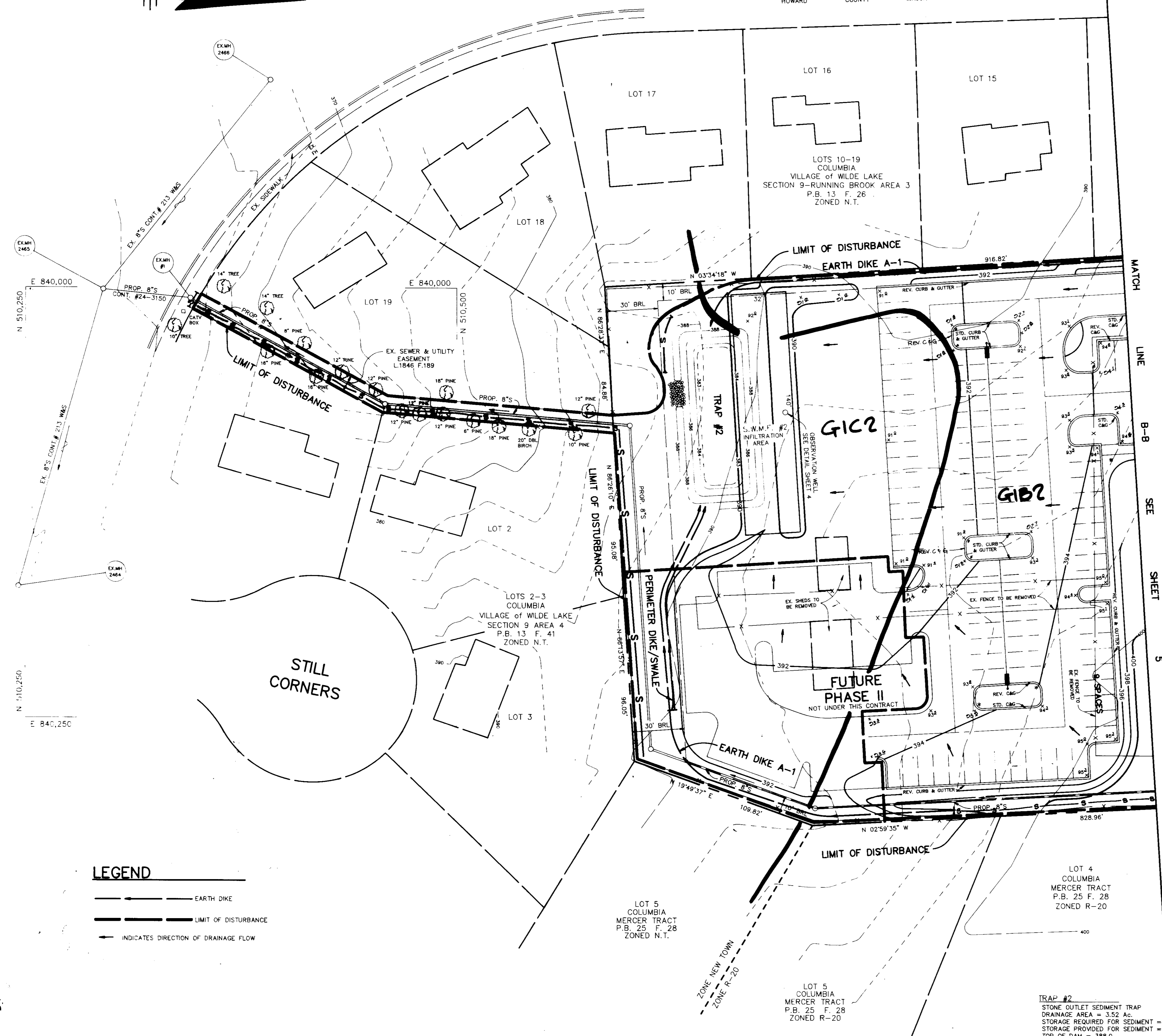
MD. GRID NORTH

TEN MILLS ROAD
HOWARD COUNTY MAJOR COLLECTOR

SOILS LEGEND

GIB2 - GLENELG LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
 GIC2 - GLENELG LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED
 GIC3 - GLENELG LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED
 GIB2 - GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
 MIB2 - MANOR LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
 MIC3 - MANOR LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED
 MID3 - MANOR LOAM, 15 TO 25 PERCENT SLOPES, SEVERELY ERODED

AS BUILT CERTIFICATE	
ARTHUR E. MUEGGE #8707	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 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.	
<i>Stephen A. ...</i>	3/12/92
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.	
<i>Arthur E. Muegge</i>	3/13/92
THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.	
<i>James M. ...</i>	7/10/92
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.	
<i>John R. ...</i>	7/8/92
APPROVED : FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.	
<i>James M. ...</i>	9/14/92
APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>James ...</i>	7/2/92
<i>Anna ...</i>	7/2/92
APPROVED : FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.	
<i>James ...</i>	8/31/92
<i>James ...</i>	8/21/92
DATE NO.	REVISION
OWNER / DEVELOPER	
COLUMBIA PRESBYTERIAN CHURCH 1001 CLARKSVILLE PIKE COLUMBIA, MARYLAND 21044	
PROJECT	
COLUMBIA PRESBYTERIAN CHURCH	
AREA	
T.M. No. 30 PARCEL 223 ZONED R-20 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND	
TITLE	
SEDIMENT CONTROL PLAN & DRAINAGE AREA MAP	
RIEMER MUEGGE & ASSOCIATES, INC.	
A Land Planning, Engineering and Consulting Firm 8818 Centre Park Drive Suite 200 Columbia, Md. 21045 410-997-8900 FAX : 410-997-9282	
3-13-92 DATE	BA 90-34E BA 86-45E
	DESIGNED BY : CB
<i>Arthur E. Muegge</i>	DRAWN BY : CB
ARTHUR E. MUEGGE #8707	PROJECT NO : 69702
	DATE : MARCH 13, 1992
	SCALE : AS SHOWN
	DRAWING NO. 6 OF 9



LEGEND

— EARTH DIKE
 --- LIMIT OF DISTURBANCE
 ← INDICATES DIRECTION OF DRAINAGE FLOW

PLAN
SCALE: 1"=30'

TRAP #2
STONE OUTLET SEDIMENT TRAP
DRAINAGE AREA = 3.52 Ac.
STORAGE REQUIRED FOR SEDIMENT = 6336 cu. ft.
STORAGE PROVIDED FOR SEDIMENT = 6702 cu. ft. @ EL. 386.0
TOP OF DAM = 388.0
CLEANOUT ELEVATION = 384.5
BOTTOM ELEVATION = 383.0
BOTTOM DIMENSIONS: 80' x 20'
CREST ELEVATION = 387.0
CREST WIDTH = 15'
DEPTH OF TRAP = 4' (BELOW SPILLWAY)

ARTHUR E. MUEGGE #8707 DATE

BY THE DEVELOPER: I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN...

Stephen A. Newhouse 3/12/92 DEVELOPER

BY THE ENGINEER: I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN...

Arthur E. Muegge 3/13/92 ENGINEER

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

James M. Helms 7/8/92 U.S. SOIL CONSERVATION SERVICE

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

John R. Robertson 7/8/92 HOWARD SOIL CONSERVATION DISTRICT

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

James A. Boyd per SSA 9/4/92 COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

James M. Helms 9/16/92 DIRECTOR

James M. Helms 9/16/92 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

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

James M. Helms 8/18/92 DIRECTOR

James M. Helms 8/18/92 CHIEF, BUREAU OF ENGINEERING

Table with 2 columns: DATE NO., REVISION

OWNER / DEVELOPER COLUMBIA PRESBYTERIAN CHURCH 1001 CLARKSVILLE PIKE COLUMBIA, MARYLAND 21044

PROJECT COLUMBIA PRESBYTERIAN CHURCH

AREA T.M. No. 30 PARCEL 223 ZONED R-20 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

TITLE SEDIMENT CONTROL NOTES & DETAILS

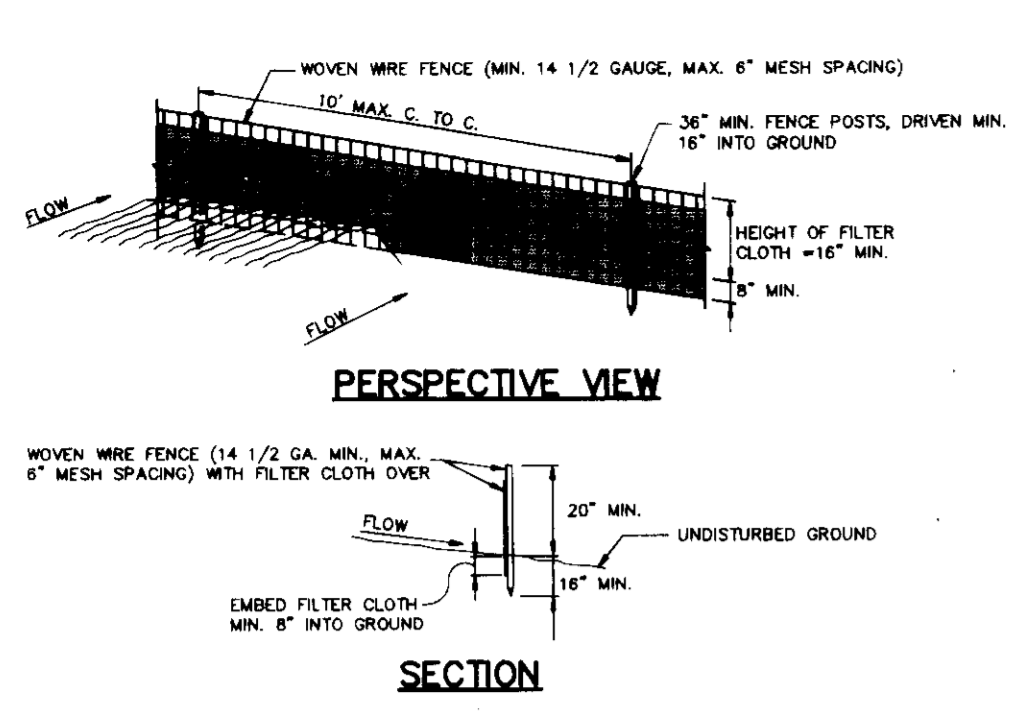
RIEMER MUEGGE & ASSOCIATES, INC. A Land Planning, Engineering and Consulting Firm 8818 Centre Park Drive Suite 200 Columbia, MD 21045 410-997-8900 FAX: 410-997-9282

DATE 3-13-92 BA 90-34E BA 86-45E

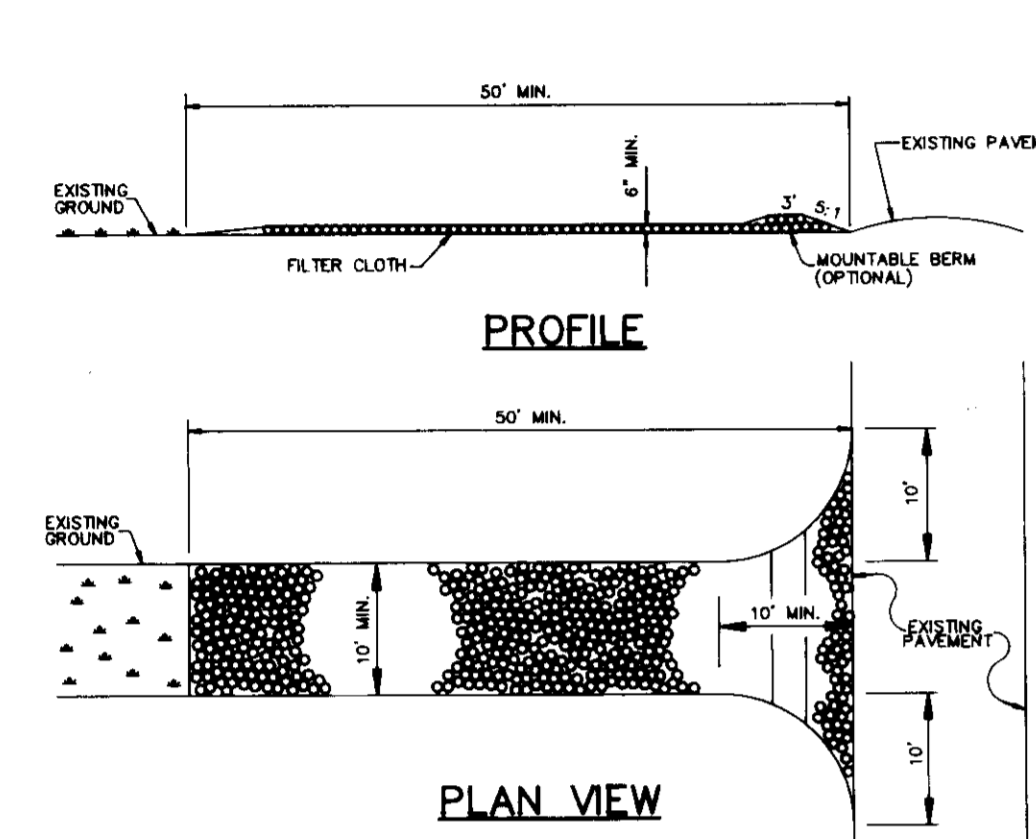
DESIGNED BY: CB DRAWN BY: CB

PROJECT NO: 69702 DATE: MARCH 13, 1992

SCALE: AS SHOWN DRAWING NO. 7 OF 9

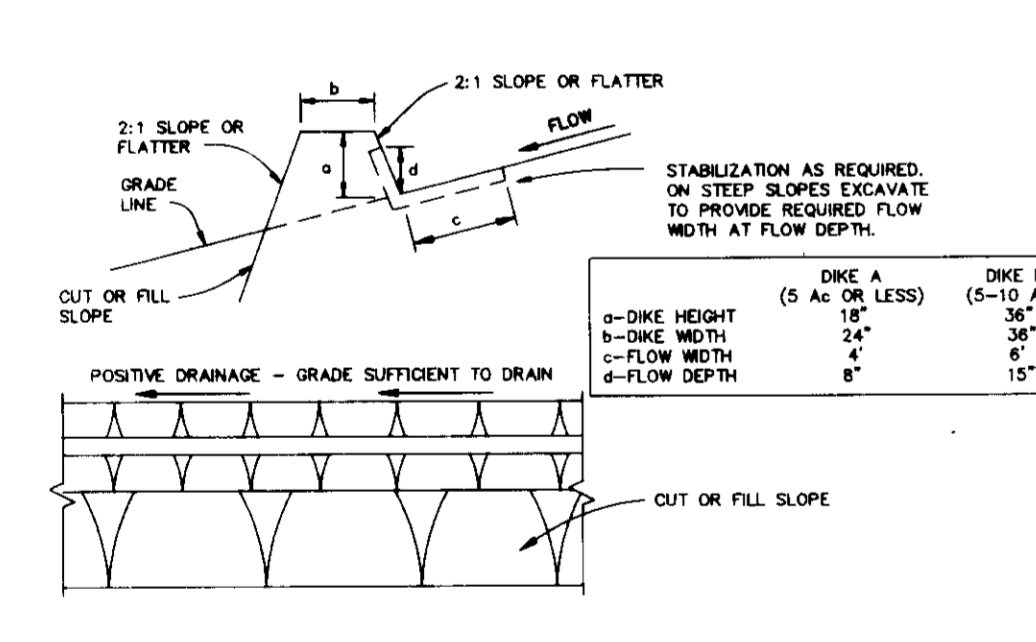


CONSTRUCTION NOTES FOR FABRICATED SILT FENCE: 1. Woven wire fence to be fastened securely to fence posts with wire ties or staples...



CONSTRUCTION SPECIFICATIONS: 1. Stone Size - Use 2" stones or reclaimed or recycled concrete equivalent. 2. Length - As required, but not less than 30 feet...

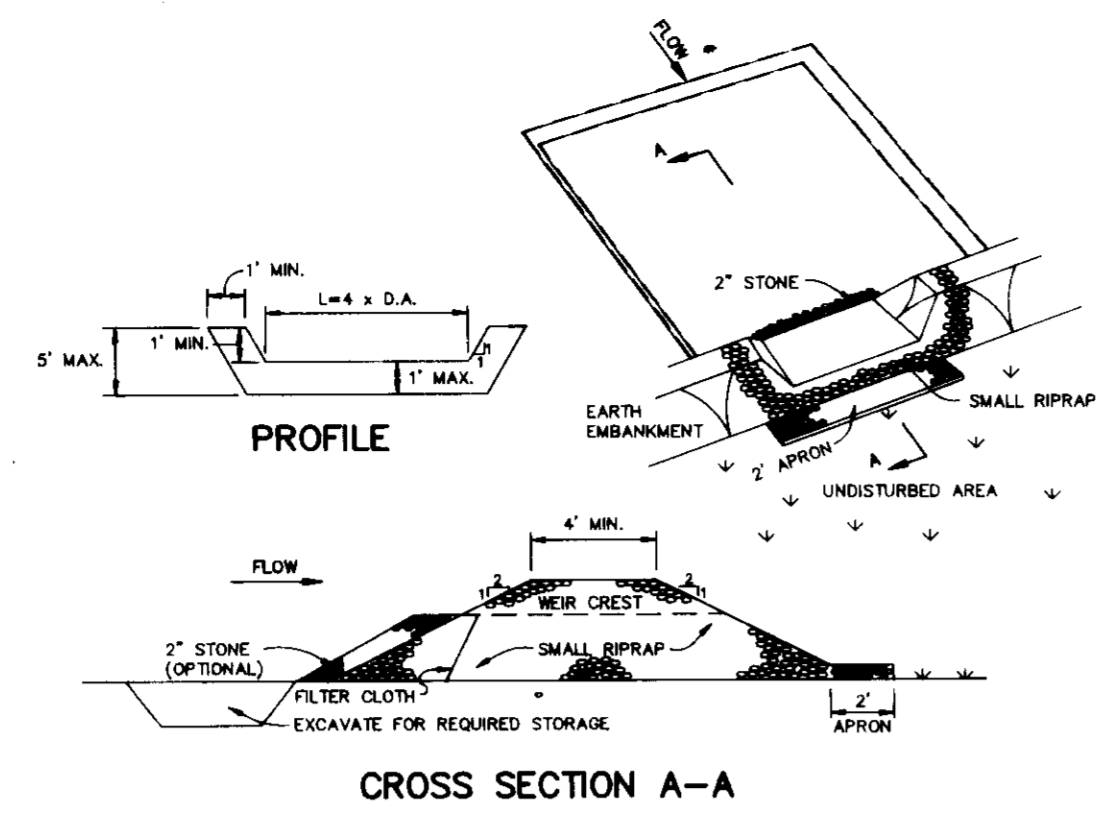
STABILIZED CONSTRUCTION ENTRANCE NO SCALE: 2:1 SLOPE OR FLATTER...



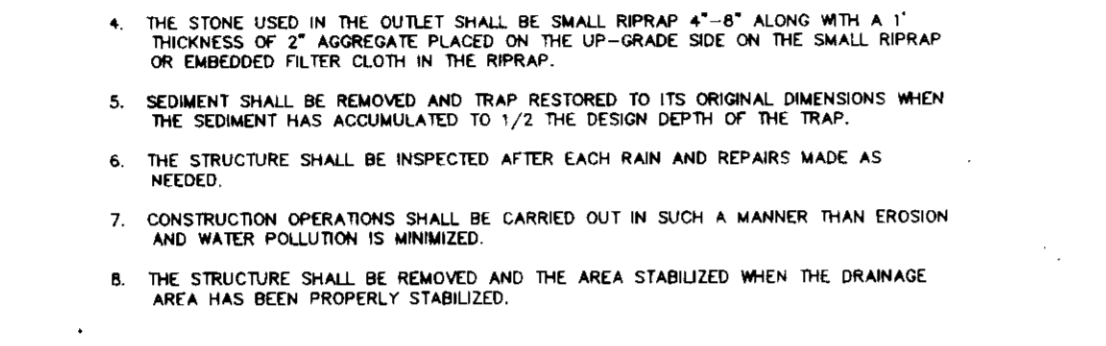
CONSTRUCTION SPECIFICATIONS: 1. ALL DIKES SHALL BE COMPACTED BY EARTH-MOVING EQUIPMENT. 2. ALL DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET...

SEQUENCE OF CONSTRUCTION: 1. OBTAIN A GRADING PERMIT AND ALL NECESSARY PERMITS BEFORE BEGINNING ANY CONSTRUCTION. 2. INSTALL STABILIZED CONSTRUCTION ENTRANCE, SILT FENCE, TRAPS AND EARTH DIKES...

EARTH DIKE NO SCALE: A. STONE TO BE 2 INCH STONE, OR RECYCLED CONCRETE EQUIVALENT, IN A LAYER AT LEAST 3 INCHES IN THICKNESS...



CONSTRUCTION SPECIFICATIONS: 1. AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED AND STRIPPED OF ANY VEGETATION AND ROOT MAT...



CONSTRUCTION SPECIFICATIONS: 1. ATTACH A CONTINUOUS RIGID RIB OF WIRE MESH (30" MIN. WIDTH BY THROAT LENGTH PLUS 4") TO THE 2" WIRE MEASURING LENGTH PLUS 2")...

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

SEEDING NOTES: Seeded Preparation - Loosen upper three inches of soil by raking, disking or other acceptable means before seeding...

SEEDING NOTES: 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.

SEEDING NOTES: Maintenance - Inspect all seeded areas and make needed repairs, reseedings and reseedings.

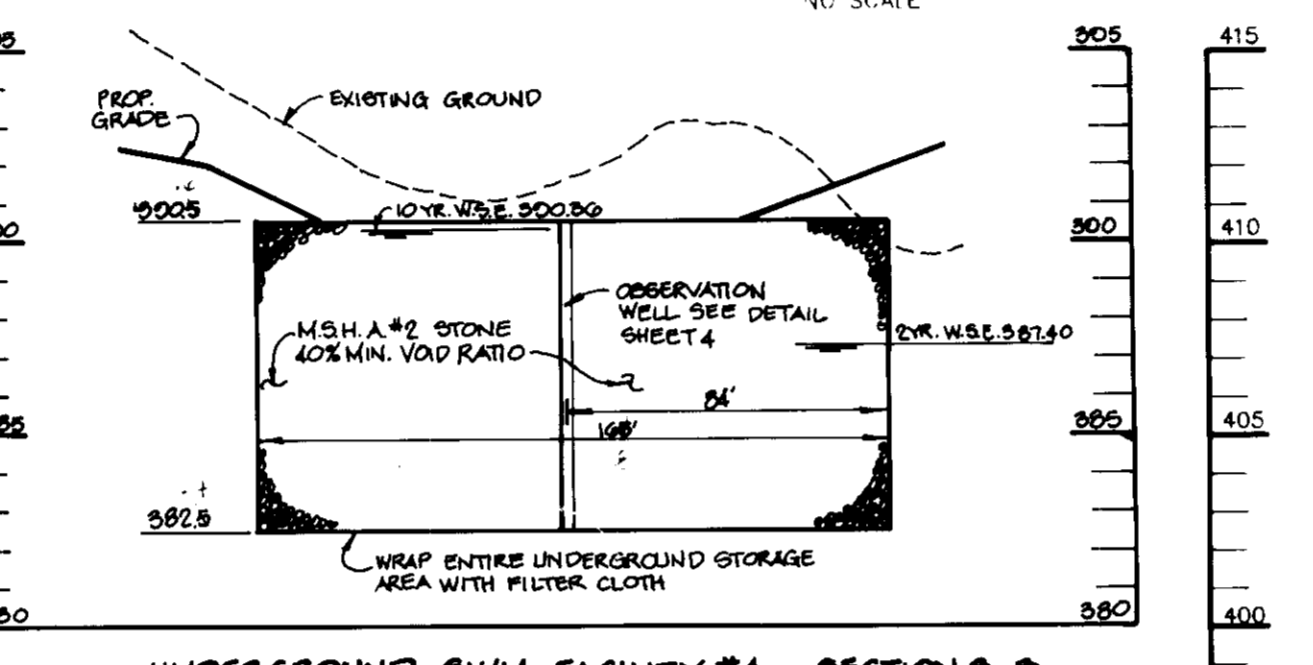
PERMANENT SEEDING NOTES: 1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs. per 1000 sq.ft.) and 600 lbs. per acre 10-10-10 fertilizer (14 lbs. per 1000 sq.ft.) before seeding...

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.

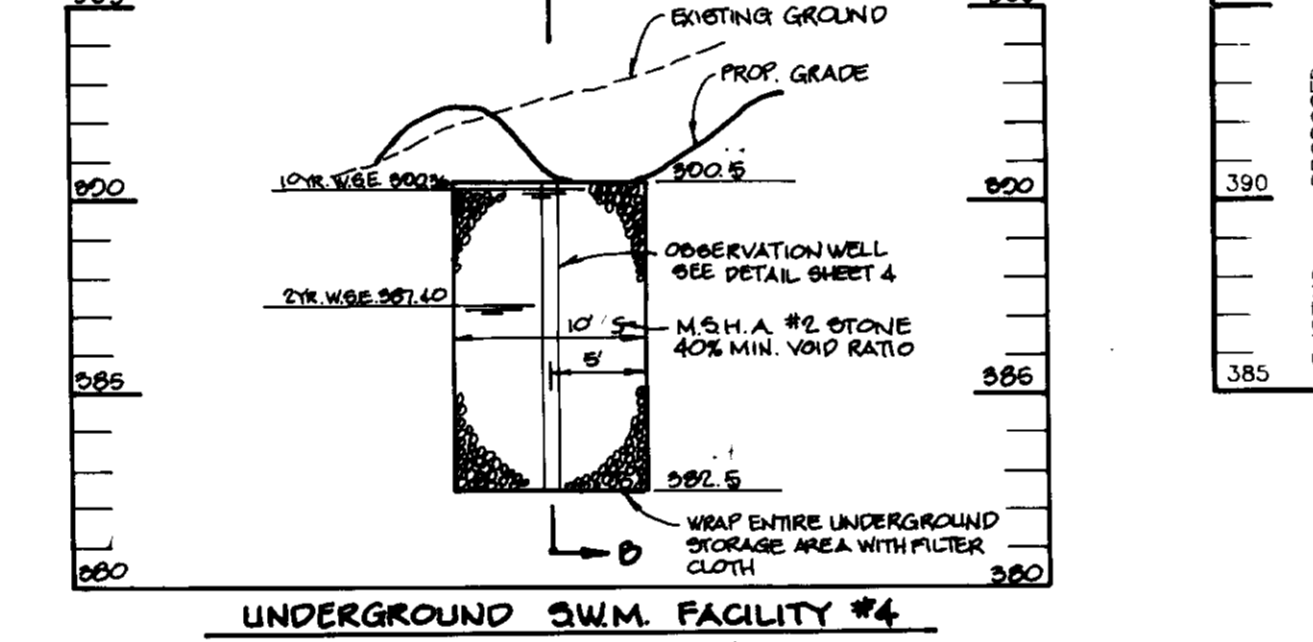
CONSTRUCTION SPECIFICATIONS

MATERIALS: A. WOODEN FRAME IS TO BE CONSTRUCTED OF 2"x4" CONSTRUCTION GRADE LUMBER. B. WIRE MESH MUST BE OF SUFFICIENT STRENGTH TO SUPPORT FILTER FABRIC...

STONE FILTER INLET PROTECTION



UNDERGROUND S.W.M. FACILITY #4 - SECTION B-D: SCALE: HOR: 1"=50' VERT: 1"=5'



UNDERGROUND S.W.M. FACILITY #4: SCALE: HOR: 1"=10' VERT: 1"=5'

MARYLAND ROUTE 108 STATE ROAD CLASSIFIED MINOR ARTERIAL

Profile table for Maryland Route 108 showing elevations and stationing.

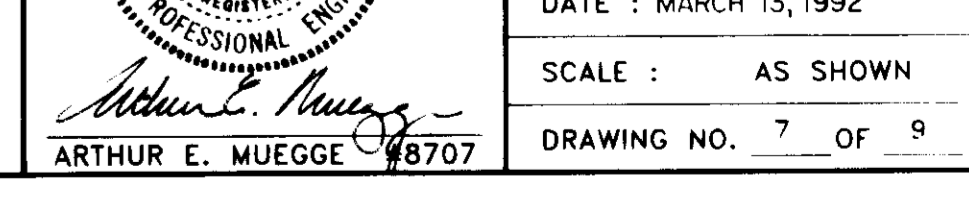
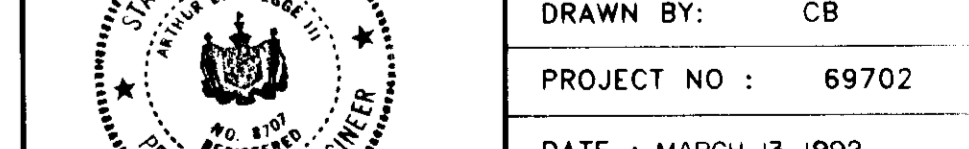
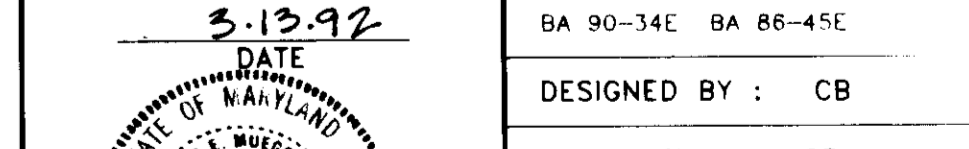
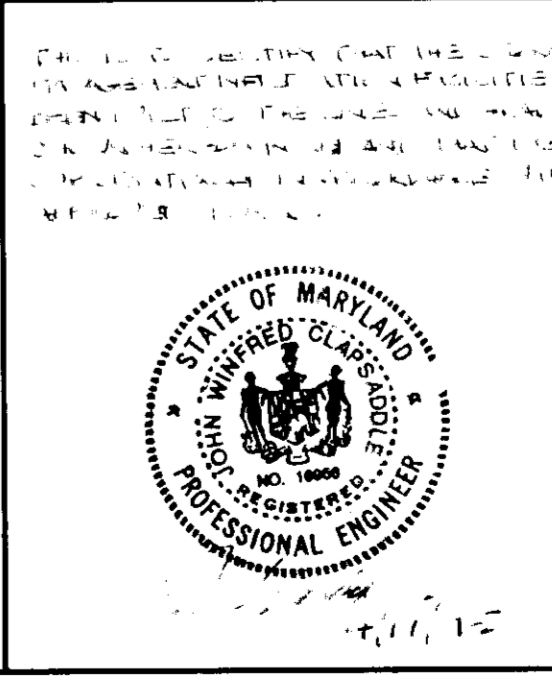
PROFILE SCALE: HOR: 1"=50' VERT: 1"=5'

TEMPORARY SEEDING NOTES: Apply to graded or cleared areas likely to be redistributed where a short-term vegetative cover is needed.

SEEDING NOTES: Seeded Preparation - Loosen upper three inches of soil by raking, disking or other acceptable means before seeding...

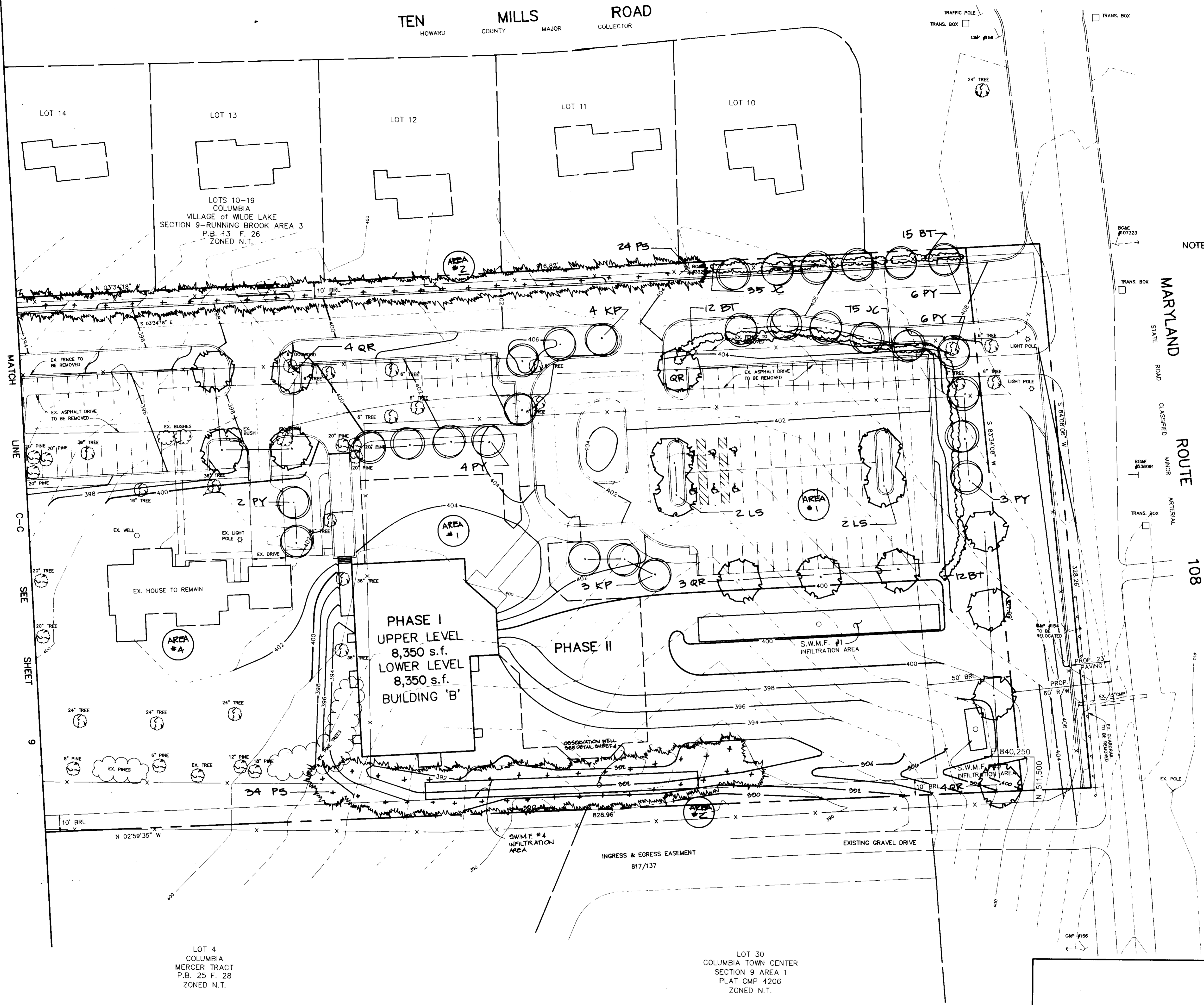
MULCHING: Apply 1-1/2 to 2 tons per acre (70 to 90 lbs. per 1000 sq.ft.) of unrotted small grain straw immediately after seeding.

MAINTENANCE: Inspect all seeded areas and make needed repairs, reseedings and reseedings.



TEN MILLS ROAD
HOWARD COUNTY MAJOR COLLECTOR

MD. GRID NORTH



NOTE: SEE SHEET 9 FOR PLANT LIST AND DETAILS

AS BUILT CERTIFICATE	
ARTHUR E. MUEGGE #8707	DATE
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.	
<i>James M. Boyd</i> COUNTY HEALTH OFFICER	9/4/92 DATE
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>James R. Ruck</i> DIRECTOR	9/9/92 DATE
<i>Emma Hornath</i> CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT	9/8/92 DATE
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.	
<i>James P. Slavin</i> DIRECTOR	9/3/92 DATE
<i>James P. Slavin</i> CHIEF, BUREAU OF ENGINEERING	9/2/92 DATE

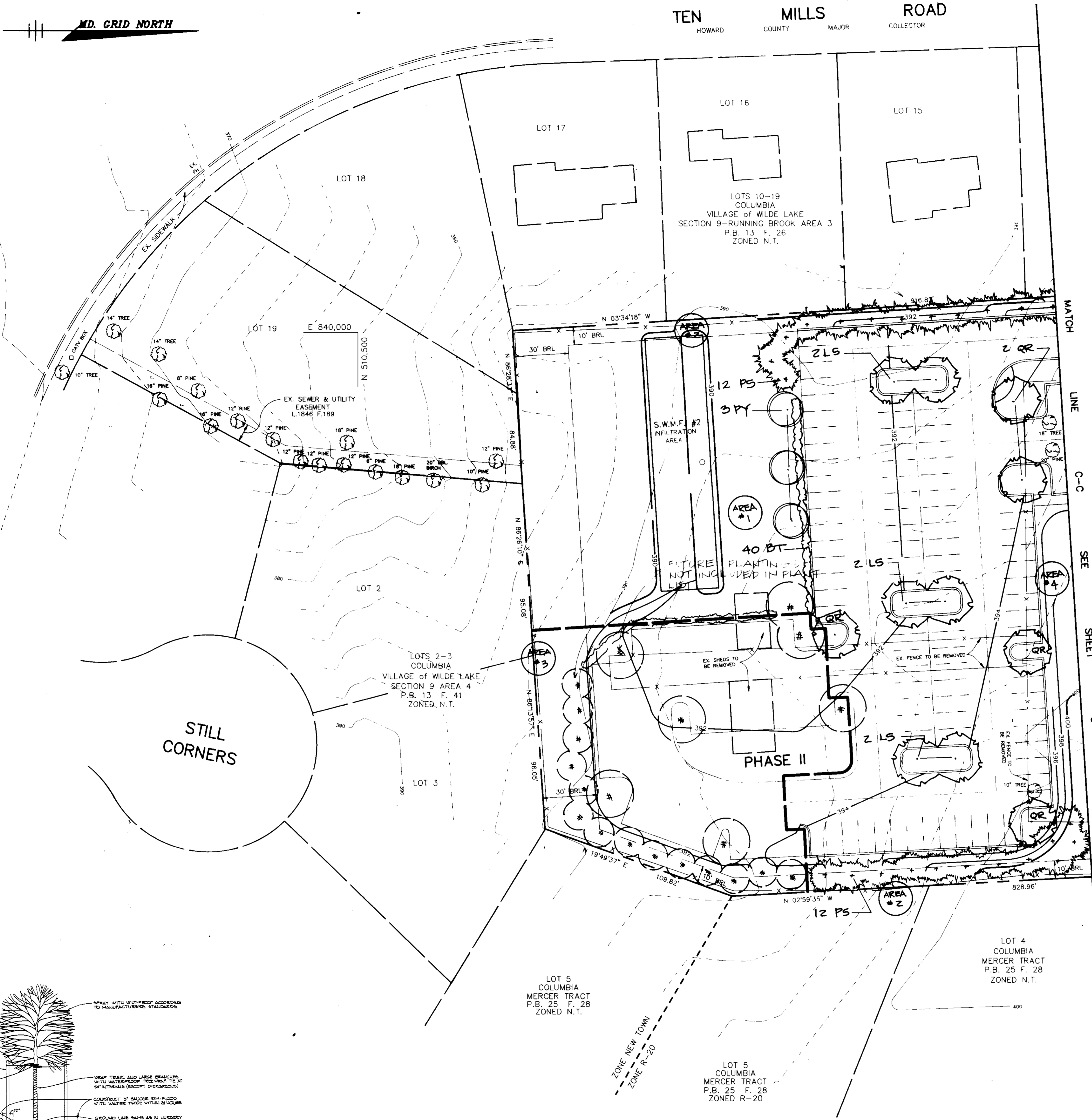
DATE	NO.	REVISION
OWNER / DEVELOPER		
COLUMBIA PRESBYTERIAN CHURCH 1001 CLARKSVILLE PIKE COLUMBIA, MARYLAND 21044		
PROJECT		
COLUMBIA PRESBYTERIAN CHURCH		
AREA		
T.M. No. 30 PARCEL 223 ZONED R-20 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND		
TITLE		
LANDSCAPE PLAN & ENVIRONMENTAL ANALYSIS		

RIEMER MUEGGE & ASSOCIATES, INC.
A Land Planning, Engineering and Consulting Firm
9818 Centre Park Drive Suite 200 Columbia, Md. 21045
410-997-8900 FAX: 410-997-9282

	DESIGNED BY:	
	DRAWN BY:	CB
	PROJECT NO.:	69702
	DATE:	MARCH 13, '92
	SCALE:	AS SHOWN
DRAWING NO. 8 OF 9		

PLAN
SCALE: 1"=30'

SPR-92-05

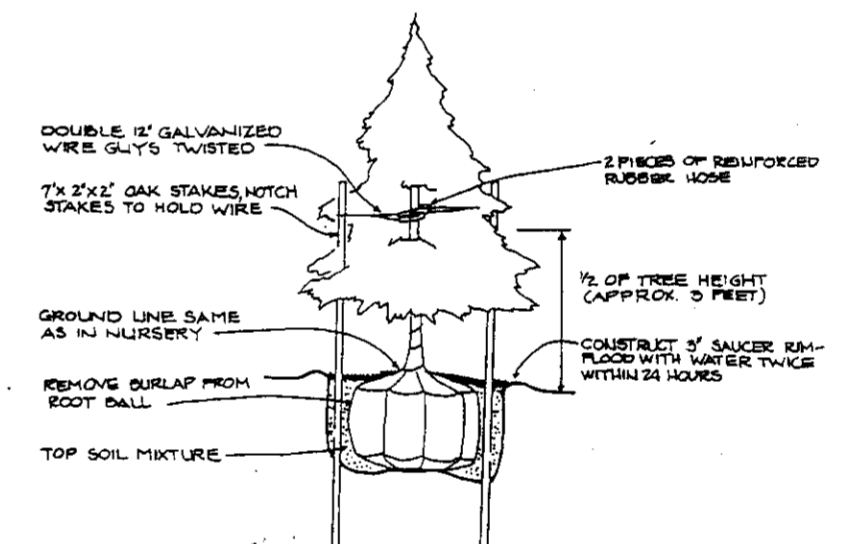


PLANT LIST

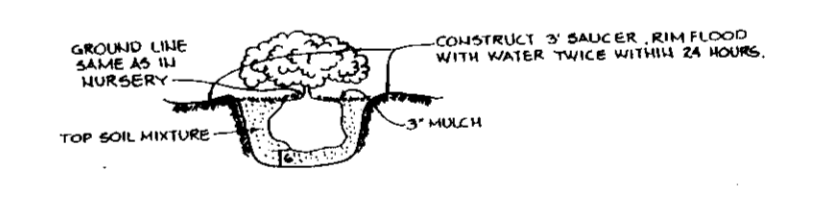
QTY.	KEY	BOTANICAL NAME COMMON NAME	SIZE	REMARKS
79	BT	BERBERIS THUNBERGIANA "CRIMSON FLOW" Crimson Pygmy Red Barberry	24-30" Ht.	B & B or cont. 3' O.C.
110	JC	JUNIPERUS CHINENSIS "SPYERIAN" Pfitzer Juniper	24-30" Ht.	B & B or cont. 3' O.C.
7	KP	KOELARUPERTIA PANICULATA Golden Raintree	6-8' Ht.	B & B
10	LS	LIGUSTRUM STRACIPIFLA Sweetgum	10-12' Ht. 1 1/2-2"	B & B
82	PS	PRUNUS YEDOENSIS White Pine	6-8' Ht.	B & B Natural
24	PY	PRUNUS YEDOENSIS Yoshino Cherry	6-8' Ht.	B & B
17	QR	QUERCUS RUBRA Red Oak	10-12' Ht. 1 1/2-2" Cal.	B & B

VEGETATIVE ANALYSIS

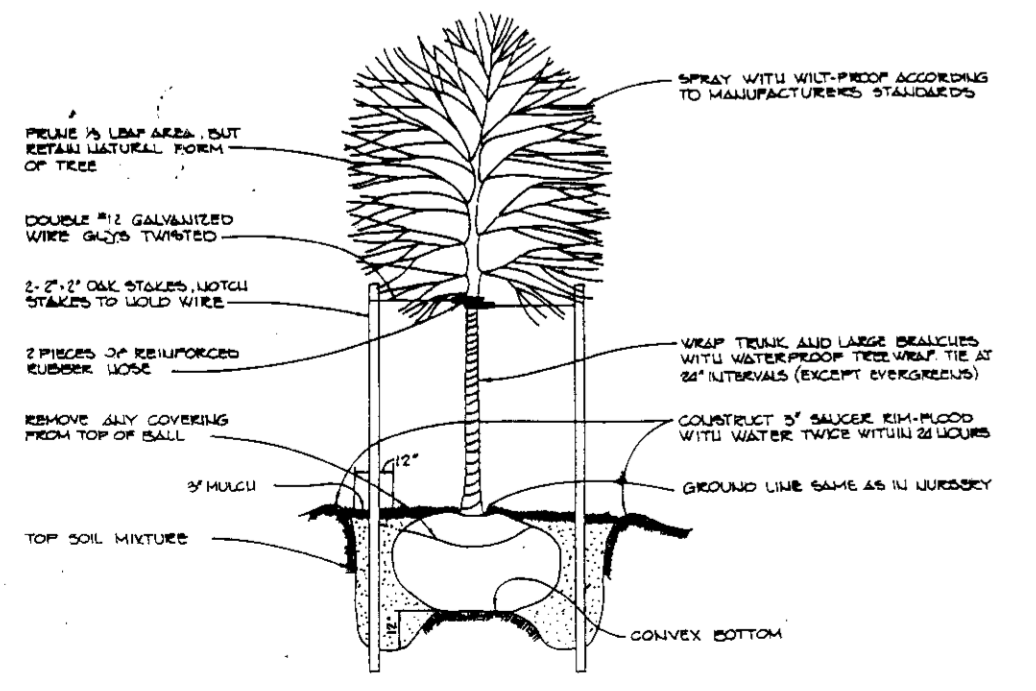
AREA	SPECIES	AVERAGE D.B.H.	CLASSIFICATION	NOTES
1	Grasses (sp.) Herb Sweet Clover Common Plantain Dandelion		Pasture	Majority of Site
2	Multiflora Rose Japanese Honeyuckle Red Mulberry Wild Black Cherry Red Maple Black Raspberry	4" 4" 4"	Fence Line	Along East & West Boundary
3	White Pine Spruce Japanese Honeyuckle Multiflora Rose		Fence Line	Along South Boundary
4	Silver Maple Pine Cherry Apple Canadian Yew Forseythia	30" 6" 7"	Ornamentals	Around Existing House



EVERGREEN PLANTING DETAIL N.T.S.



SHRUB PLANTING DETAIL



TREE PLANTING DETAIL N.T.S.

AS BUILT CERTIFICATE

ARTHUR E. MUEGGE #8707 _____ DATE _____

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

James M. Bond 9/4/92
COUNTY HEALTH OFFICER DATE

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

James R. Smith 9/4/92
DIRECTOR DATE

Melanie Moser 9/4/92
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

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

James J. Brown 8/31/92
DIRECTOR DATE

Richard E. Brown 8/31/92
CHIEF, BUREAU OF ENGINEERING DATE

DATE	NO.	REVISION

OWNER / DEVELOPER
COLUMBIA PRESBYTERIAN CHURCH
1001 CLARKSVILLE PIKE
COLUMBIA, MARYLAND 21044

PROJECT
COLUMBIA PRESBYTERIAN CHURCH

AREA
T.M. No. 30 PARCEL 223 ZONED R-20
5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

TITLE
LANDSCAPE PLAN & ENVIRONMENTAL ANALYSIS

RIEMER MUEGGE & ASSOCIATES, INC.
A Land Planning, Engineering and Consulting Firm
8818 Centre Park Drive Suite 200 Columbia, Md. 21045
410-997-8900 FAX: 410-997-9282

6-25-92

DESIGNED BY : _____
DRAWN BY : CB
PROJECT NO : 69702
DATE : MARCH 13, 1992
SCALE : AS SHOWN
DRAWING NO. 9 OF 9

PLAN
SCALE: 1"=30'

SP-92-03

SHEET INDEX	
NO.	DESCRIPTION
1	TITLE SHEET
2	SITE DEVELOPMENT PLAN
3	SITE DEVELOPMENT PLAN
4	PROFILES & DETAILS
5	SEDIMENT CONTROL PLAN & DRAINAGE AREA MAP
6	SEDIMENT CONTROL PLAN & DRAINAGE AREA MAP
7	SEDIMENT CONTROL NOTES & DETAILS
8	LANDSCAPE PLAN
9	LANDSCAPE PLAN

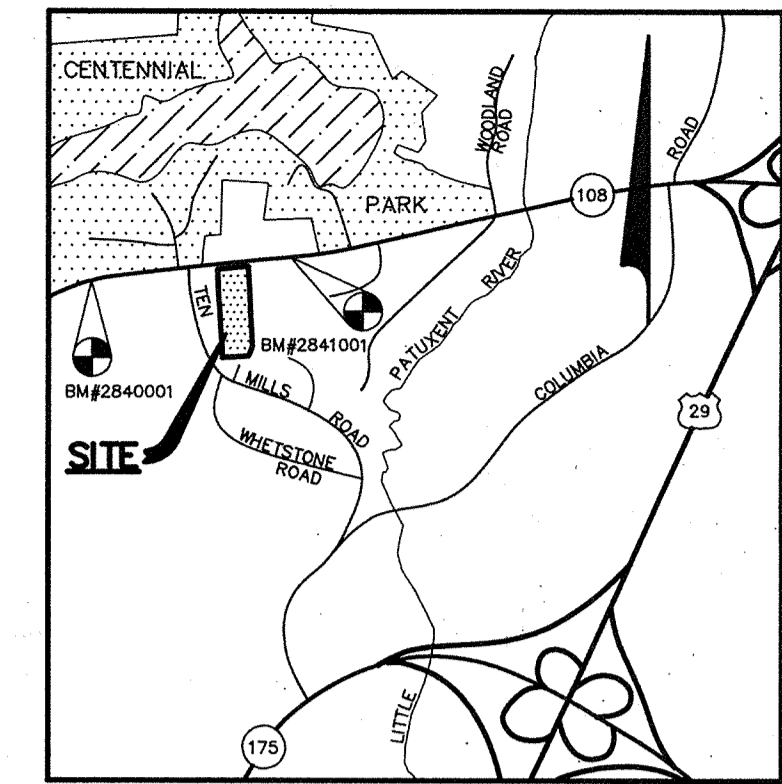
SITE DEVELOPMENT PLAN

COLUMBIA

PRESBYTERIAN CHURCH

5th ELECTION DISTRICT

HOWARD COUNTY, MARYLAND



VICINITY MAP
SCALE: 1"=2000'

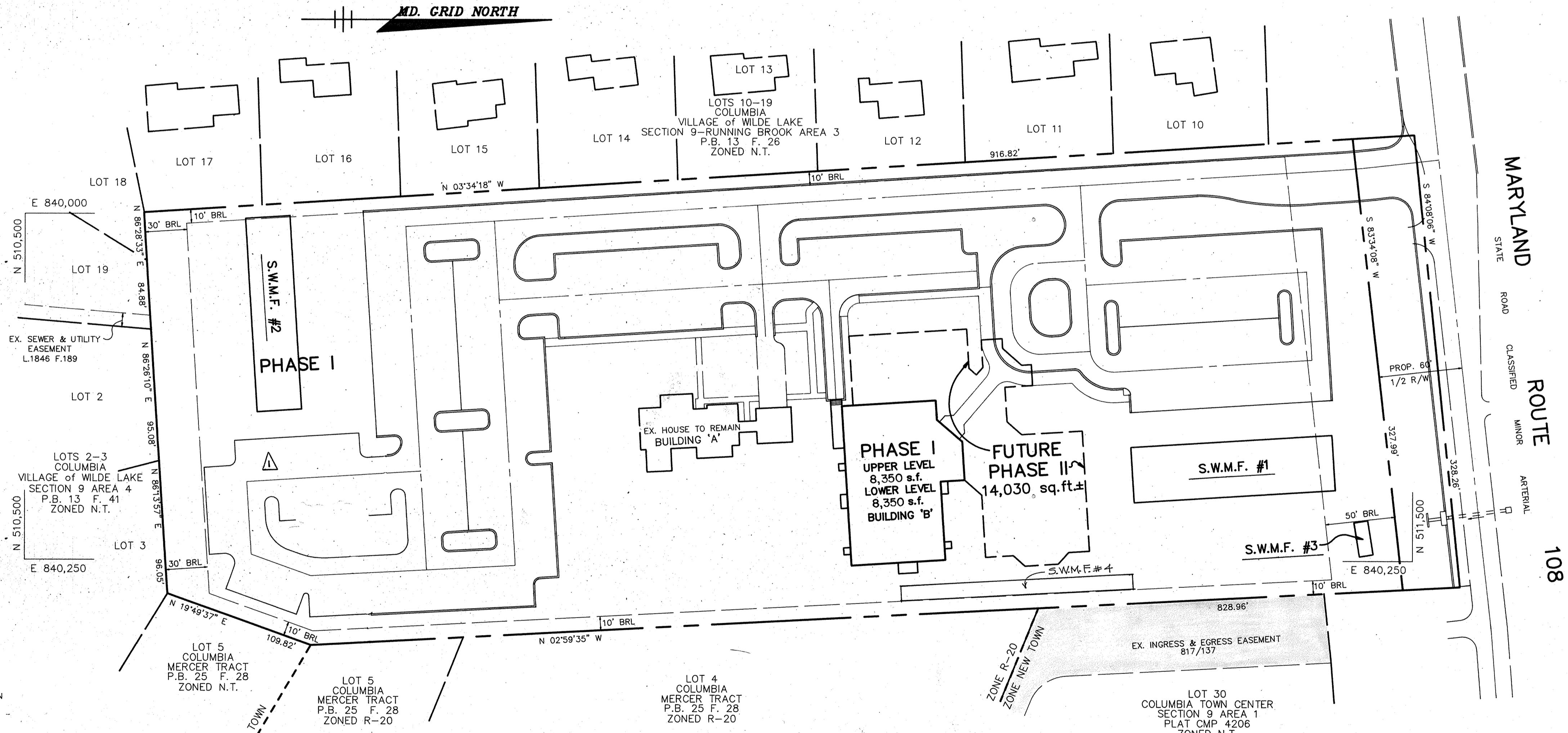
BENCH MARKS

BM# 2840001 ELEV. 433.64
CONCRETE MONUMENT 0.1' ABOVE SURFACE, NEAR FENCE LINE AND APPROXIMATELY 50'± SOUTHEAST OF C&P POLE #162. N 511,254.336; E 838,653.056.

BM# 2841001 ELEV. 409.97
CONCRETE MONUMENT 0.3' ABOVE SURFACE, 6'± NORTH OF FENCE LINE APPROXIMATELY OPPOSITE PEAK OF ROOF OF HOUSE #9928. N 511,562.807; E 840,720.436.

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, 1990 AMENDMENTS.
- 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 CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES AT LEAST (5) DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS TO VERIFY THEIR LOCATION AND ELEVATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF LOCATION OF UTILITIES IS OTHER THAN SHOWN.
- CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS:
 - MISS UTILITY 1-800-257-7777
 - C&P TELEPHONE COMPANY 725-9976
 - HOWARD COUNTY BUREAU OF UTILITIES 313-4900
 - AT&T CABLE LOCATION DIVISION 393-3553
 - BALTIMORE GAS & ELECTRIC COMPANY 685-0123
 - STATE HIGHWAY ADMINISTRATION 531-5533
 - HOWARD COUNTY CONSTRUCTION/INSPECTION SURVEY DIVISION (24 HOURS NOTICE PRIOR TO COMMENCEMENT OF WORK) 792-7272
- ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT 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.
- NO PIPE SHALL BE LAID UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT TO SUBGRADE.
- TOPO TAKEN FROM FIELD RUN SURVEY DATED FEB. 1991 BY RIEMER MUEGGE AND ASSOCIATES, INC.
- ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- 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 HOWARD COUNTY DESIGN MANUAL UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR AS SHOWN ON THE DRAWINGS.
- THE DEVELOPER IS RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR RIGHTS-OF-WAY THAT MAY BE REQUIRED FOR THE SEDIMENT AND EROSION CONTROL PRACTICES, STORM WATER MANAGEMENT PRACTICES AND THE DISCHARGE OF STORM WATER ONTO OR ACROSS ADJACENT OR DOWNSTREAM PROPERTIES INCLUDED IN THIS PLAN. HE IS ALSO RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR WORK ON ADJACENT PROPERTIES INCLUDED IN THIS PLAN.
- THE OWNER SHALL PROVIDE A SEPARATE AND INDEPENDENT SEWER CONNECTION FOR EACH TENANT OR OCCUPANT OF ANY BUILDING, SHOWN ON THIS SITE DEVELOPMENT PLAN, WHO WILL DISCHARGE NON-DOMESTIC WASTE TO THE PUBLIC SEWERAGE SYSTEM IF THIS WASTE IS REGULATED UNDER SECTION 18.122A OF THE HOWARD COUNTY CODE. EACH SEPARATE AND INDEPENDENT SEWER CONNECTION SHALL INCLUDE A STANDARD MANHOLE AND OTHER WATER PRETREATMENT DEVICES AS REQUIRED AND APPROVED BY HOWARD COUNTY. WASTE LINES ON THE INTERIOR OF THE BUILDING SHALL BE DESIGNED, CONSTRUCTED OR MODIFIED SUCH THAT NON-DOMESTIC WASTE WILL BE DISCHARGED TO THE SEPARATE AND INDEPENDENT SEWER CONNECTION. NO PLAN SHALL DISCHARGE REGULATED NON-DOMESTIC WASTE TO THE PUBLIC SEWERAGE SYSTEM PRIOR TO INSTALLATION OF THE SEPARATE AND INDEPENDENT SEWER CONNECTION AND RELATED INTERIOR WASTE LINES. THE ABOVE REQUIREMENTS SHALL APPLY TO ALL INITIAL AND FUTURE OCCUPANTS OR TENANTS.
- STORMWATER MANAGEMENT FOR THIS DEVELOPMENT IS PROVIDED BY UNDERGROUND INFILTRATION FACILITIES.
- THE PAVEMENT DETAILS SHOWN ON THESE PLANS REFLECT THE HOWARD COUNTY MINIMUM STANDARD PAVEMENT SECTIONS AND ARE NOT BASED ON SITE SPECIFIC CONDITIONS. PRIOR TO PAVING, THE FINAL PAVEMENT SECTIONS SHALL BE DETERMINED BY A QUALIFIED GEOTECHNICAL ENGINEER BASED ON IN-SITU TESTING OF THE FINISHED SUBGRADE. THE TESTING AND GEOTECHNICAL ENGINEER SHALL BE FURNISHED BY THE OWNER.
- BOARD OF APPEALS CASE No. BA-90-34E WAS A PETITION FOR A SPECIAL EXCEPTION FOR A RELIGIOUS FACILITY, AND WAS GRANTED ON OCTOBER 25, 1990. BOARD OF APPEALS CASE No. BA-88-45E WAS A PETITION FOR A SPECIAL EXCEPTION FOR A RELIGIOUS FACILITY, AND WAS GRANTED ON MARCH 10, 1987, AND EXTENDED ON NOVEMBER 10, 1988.
- A SPRINKLER SYSTEM IS TO BE PROVIDED FOR THE PROPOSED BUILDING.



AS BUILT CERTIFICATE	
ARTHUR E. MUEGGE #8707	DATE
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.	
<i>James M. Boyd</i> per <i>SGM</i>	9/4/92 DATE
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>James R. Smith</i>	9/9/92 DATE
<i>Anna Holmatt</i>	7/6/92 DATE
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.	
<i>James Z. Sloan</i>	8/31/92 DATE
<i>James Z. Sloan</i>	8/31/92 DATE
07-14-04 ADDED PARKING LOT FOR PHASE II	
DATE NO.	REVISION
OWNER / DEVELOPER	
COLUMBIA PRESBYTERIAN CHURCH 1000 CLARKSVILLE PIKE COLUMBIA, MARYLAND 21044	
PROJECT	
COLUMBIA PRESBYTERIAN CHURCH	
AREA	
T.M. No. 30 PARCEL 223 ZONED R-20 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND	
TITLE	
TITLE SHEET	
RIEMER MUEGGE & ASSOCIATES, INC.	
A Land Planning, Engineering and Consulting Firm 8818 Centre Park Drive Suite 200 Columbia, Md. 21045 410-997-8900 FAX: 410-997-9282	
3-13-92 DATE	BA 90-34E BA 86-45E
DESIGNED BY: CB	
DRAWN BY: CB	
PROJECT NO: 69702	
DATE: MARCH 13, 1992	
SCALE: AS SHOWN	
DRAWING NO. 1 OF 9	

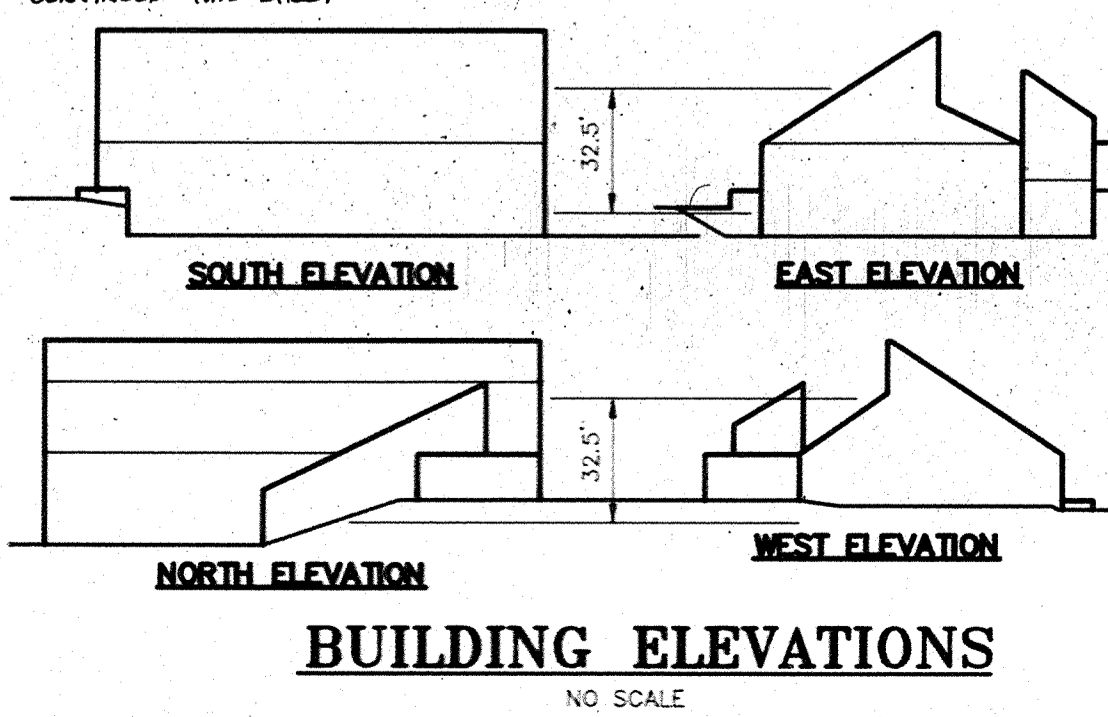
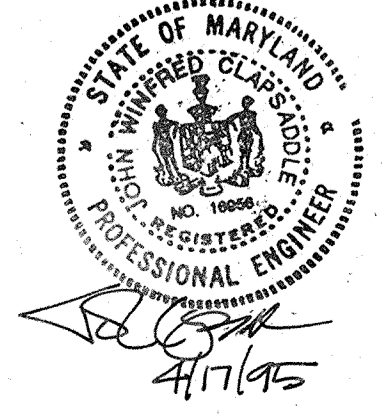
SITE TABULATION

TOTAL AREA	6.803 Ac.
EXISTING ZONING	R-20
PROPOSED USE	RELIGIOUS FACILITY INCLUDING:
	1. PHASE I BUILDING 'A'
	EXISTING HOUSE TO REMAIN RESIDENCE-2,000 SF
	EXISTING HOUSE TO REMAIN OFFICES-650 SF
	2. PHASE I BUILDING 'B': ONE STORY WITH PARTIAL BASEMENT
	GYMNASIUM UPPER LEVEL 8,350 SF
	FELLOWSHIP FACILITY LOWER LEVEL (CLASSROOMS) 8,350 SF
	NOTE: GYMNASIUM TO BE USED FOR FELLOWSHIP SERVICES UNTIL FUTURE SANCTUARY IS CONSTRUCTED. GYM WILL ACCOMMODATE 922 SEATS.
PARKING REQUIRED	184 SPACES
① 1 SPACE/3 FIXED SEATS OF MAXIMUM ASSEMBLY AREA (550 SEATS PROPOSED)	
PARKING PROVIDED	PHASE I 184 (INCLUDES 6 HANDICAP) PHASE II 37 TOTAL 221 (INCLUDES 6 HANDICAP)
AREA OF PARKING LOTS	3890 SF (6.1% OF PARKING AREA)
ISLANDS	187,308 SF (83.2% OF TOTAL AREA)
OPEN SPACE	220 184 SPACES (INCL 7 HC SPACES)

PLAN
SCALE: 1"=50'

ADDRESS CHART					
BUILDING	STREET ADDRESS				
A	10001 CLARKSVILLE PIKE				
B	10001 CLARKSVILLE PIKE				
SUBDIVISION NAME	SECT./AREA	PARCEL			
COLUMBIA PRESBYTERIAN CHURCH	N/A	223			
PLAT #	BLOCK #	ZONING	TAX MAP NO.	ELECT. DIST.	OWNER TRACT
N/A	8	R-20	30	5th	6084
WATER CODE	SEWER CODE				
E01	5680200				

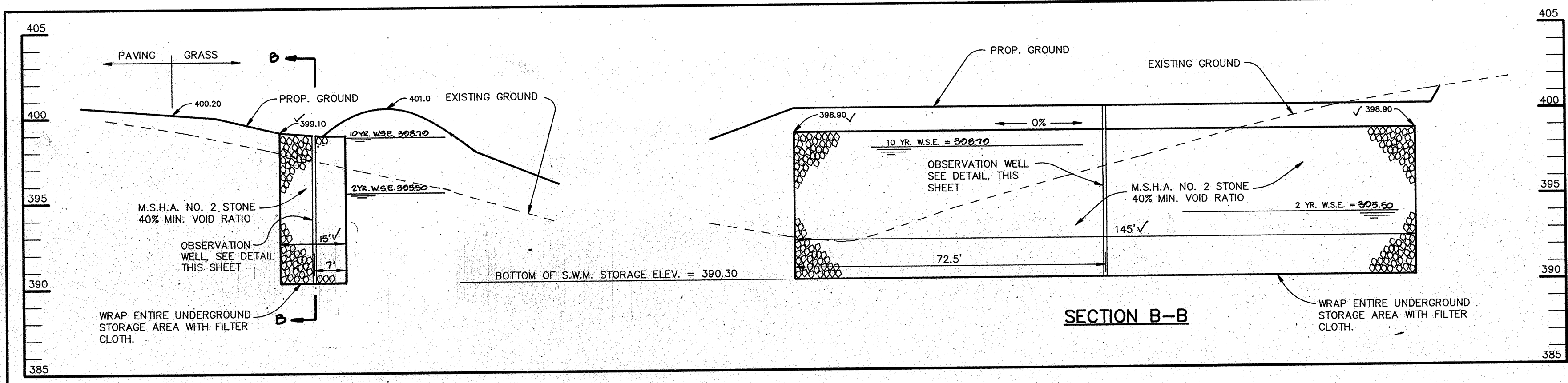
THIS IS TO CERTIFY THAT THE STORMWATER MANAGEMENT INFILTRATION FACILITIES HAVE BEEN BUILT TO THE LINES AND GRADES SHOWN HEREIN IN RED AND THAT THEY ARE SUBSTANTIALLY IN ACCORDANCE WITH THE APPROVED PLANS.



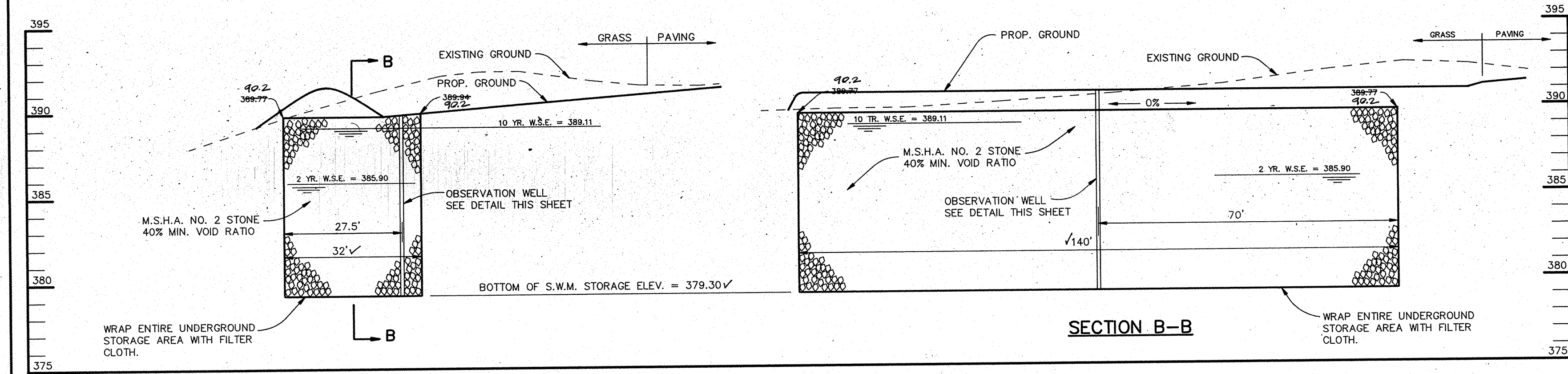
20. THE PHASE II PARKING LOT PORTION OF THIS DEVELOPMENT IS EXEMPT FROM THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE FOR FOREST CONSERVATION BECAUSE THE SITE DEVELOPMENT PLAN APPROVED DECEMBER 31, 1992 AND THE AREA TO BE DISTURBED FOR THE PHASE II PARKING LOT IS COMPLETELY WITHIN AREA DISTURBED BY THE ORIGINAL SITE PLAN.

21. BOARD OF APPEALS CASE No. BA-09-12C WAS A PETITION FOR A MODIFICATION OF A SPECIAL EXCEPTION USE FOR A STRUCTURE USED PRIMARILY FOR RELIGIOUS ACTIVITIES IN AN R-20 ZONING DISTRICT, AND WAS GRANTED ON JUNE 7, 2004, SUBJECT TO THE SUBSTANTIAL COMPLETION OF THE PHASE TWO PARKING WITHIN TWO YEARS OF THE DATE OF ISSUANCE OF THE D+O.

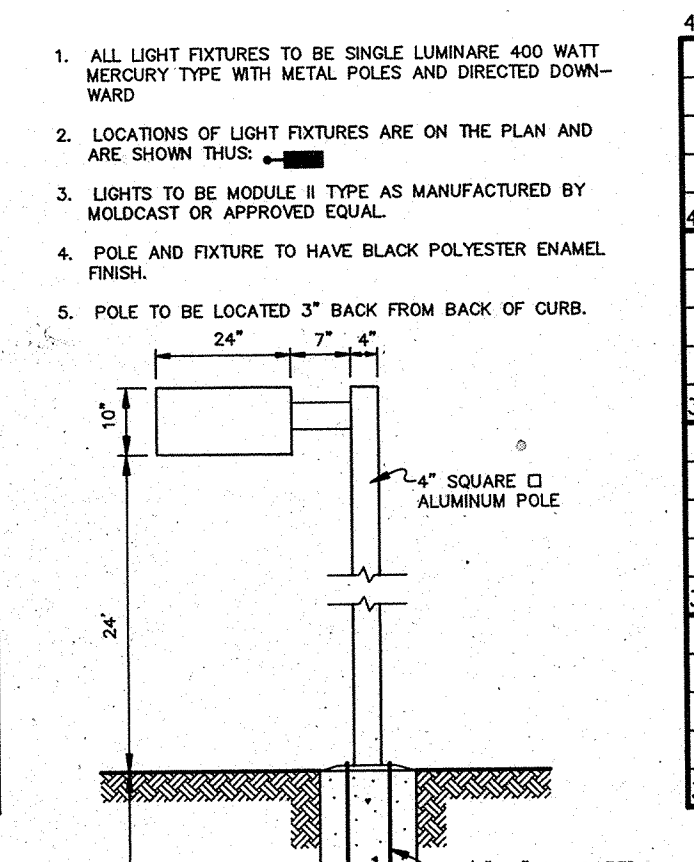
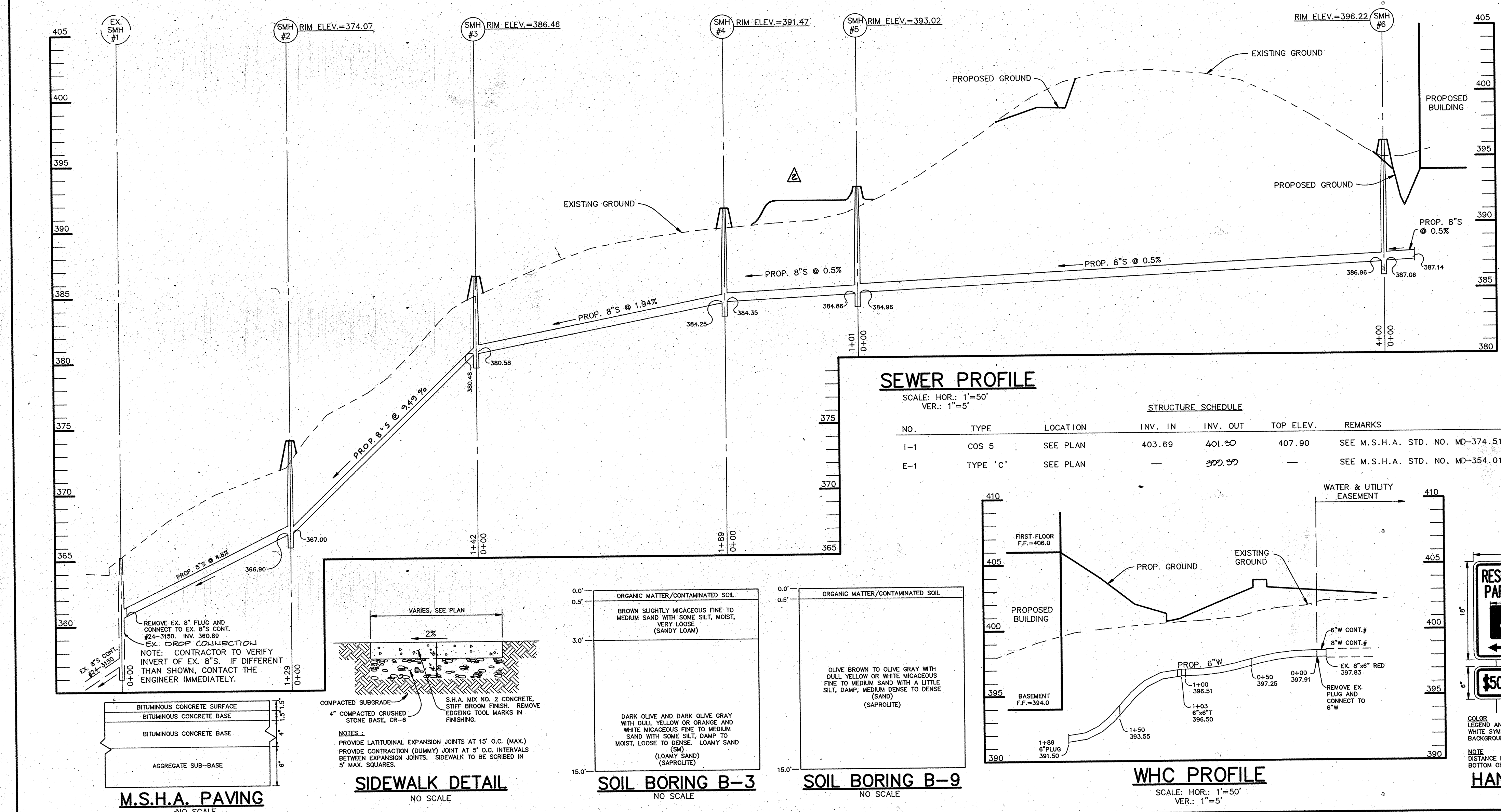
22. PHASE TWO FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING MUST BE POSTED AS SET OF THE GRADING PERMIT IN THE AMOUNT OF \$250,000.



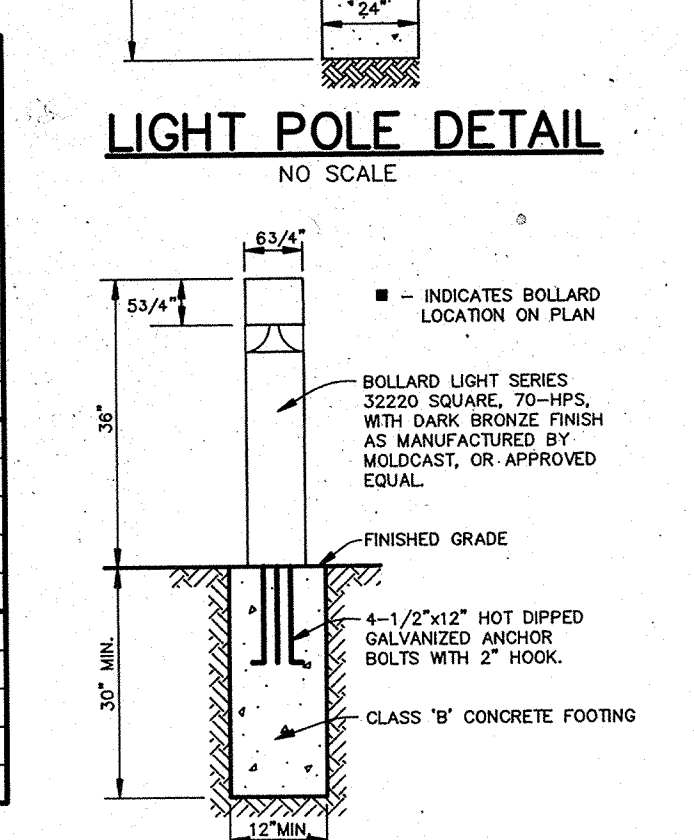
UNDERGROUND S.W.M. FACILITY #1
SCALE: HOR.: 1"=20'
VER.: 1"=5'



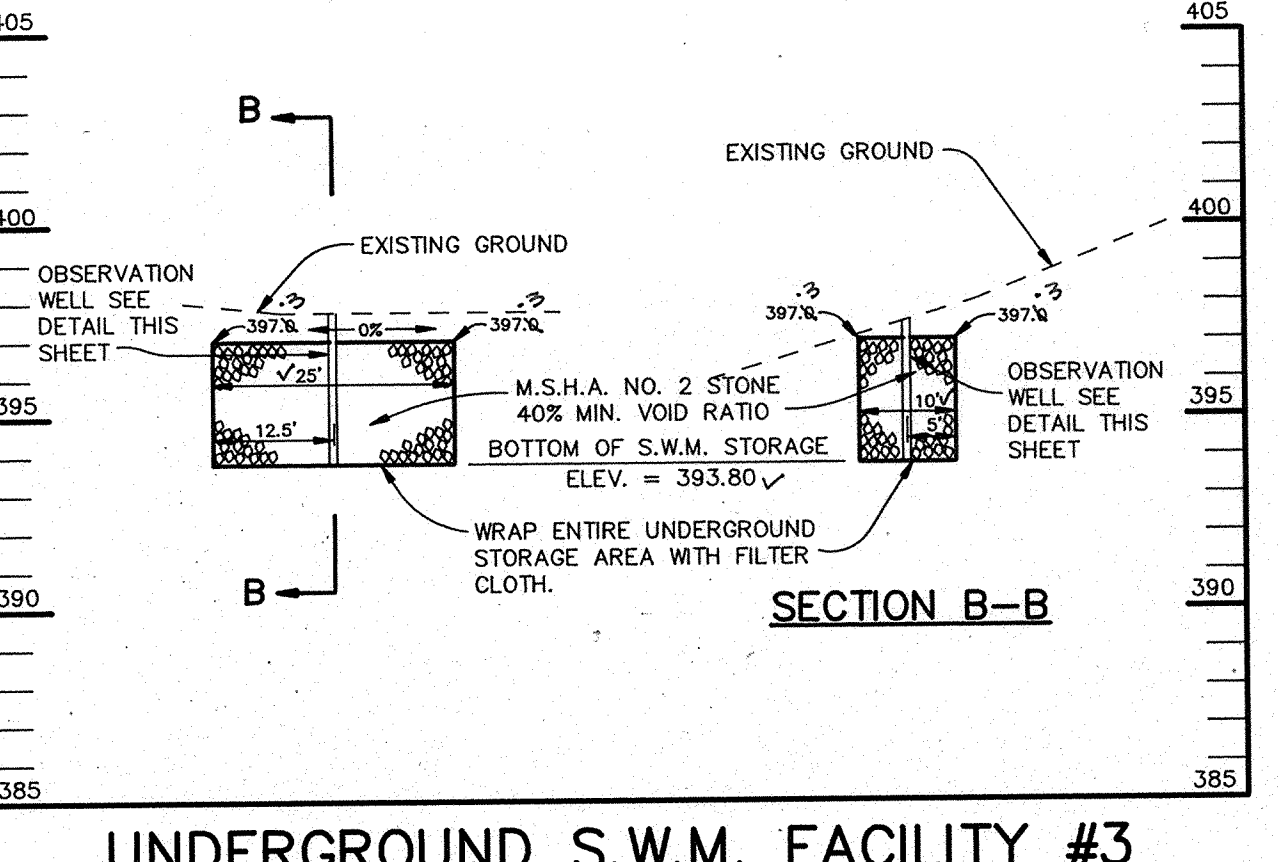
UNDERGROUND S.W.M. FACILITY #2
SCALE: HOR.: 1"=20'
VER.: 1"=5'



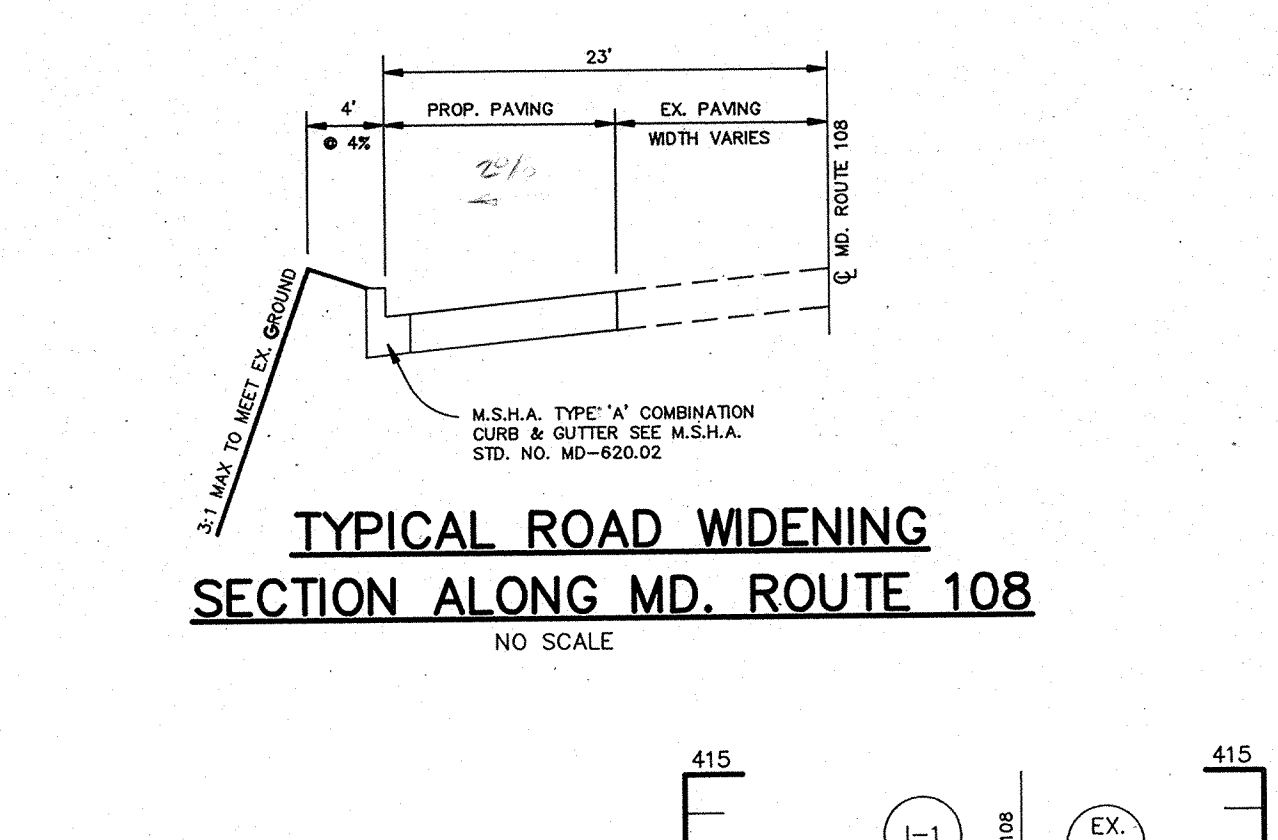
LIGHT POLE DETAIL
NO SCALE



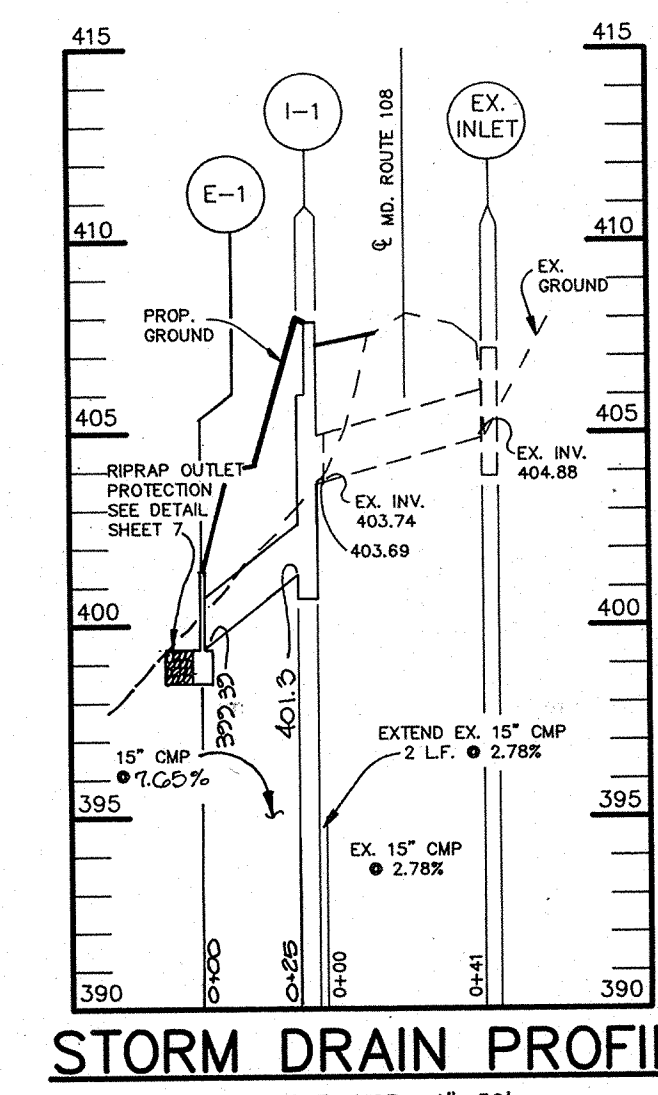
BOLLARD LIGHT DETAIL
NO SCALE



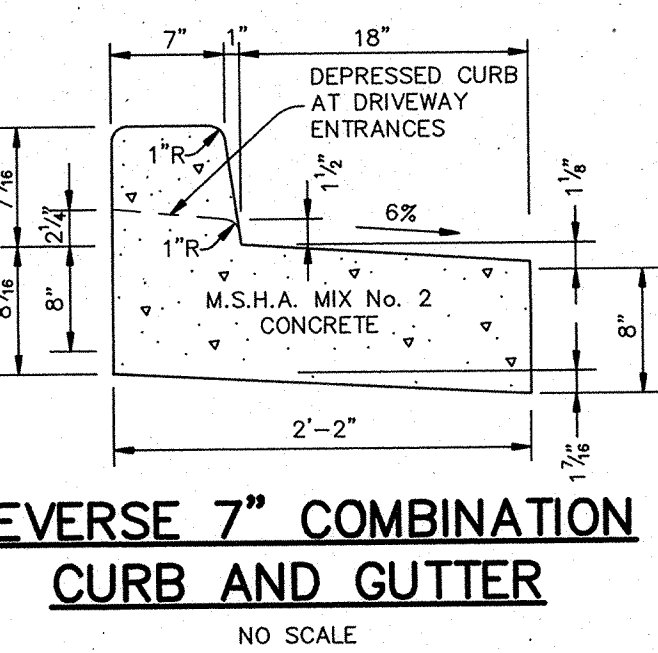
UNDERGROUND S.W.M. FACILITY #3
SCALE: HOR.: 1"=20'
VER.: 1"=5'



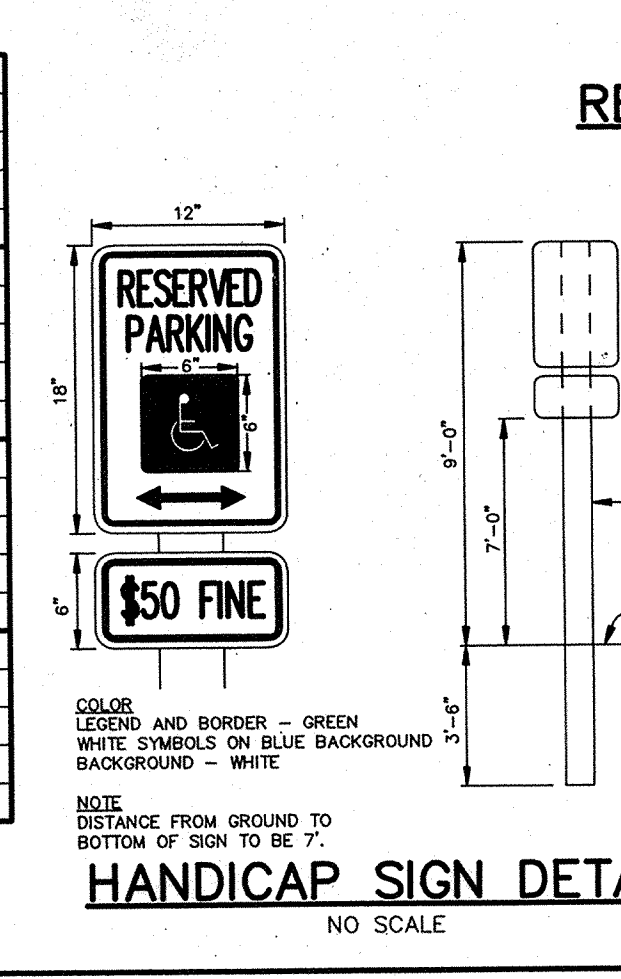
TYPICAL ROAD WIDENING SECTION ALONG MD. ROUTE 108
NO SCALE



STORM DRAIN PROFILE
SCALE: HOR.: 1"=50'
VER.: 1"=5'



REVERSE 7" COMBINATION CURB AND GUTTER
NO SCALE



HANDICAP SIGN DETAIL
NO SCALE

AS BUILT CERTIFICATE

ARTHUR E. MUEGGE #8707 DATE

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

James M. Boyd 9/4/92
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

James M. Boyd 9/9/92
DIRECTOR DATE

Anna Holmuth 9/9/92
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

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

James M. Boyd 8/31/92
DIRECTOR DATE

James M. Boyd 8/31/92
CHIEF, BUREAU OF ENGINEERING DATE

01-19-01 ADJUSTED PROP GRADE OVER SEWER MAIN
0-15-93 REV. STORM DRAIN PROFILE & STRUCTURE SCHEDULE

DATE NO. REVISION

OWNER / DEVELOPER
COLUMBIA PRESBYTERIAN CHURCH
10001 CLARKSVILLE PIKE
COLUMBIA, MARYLAND 21044

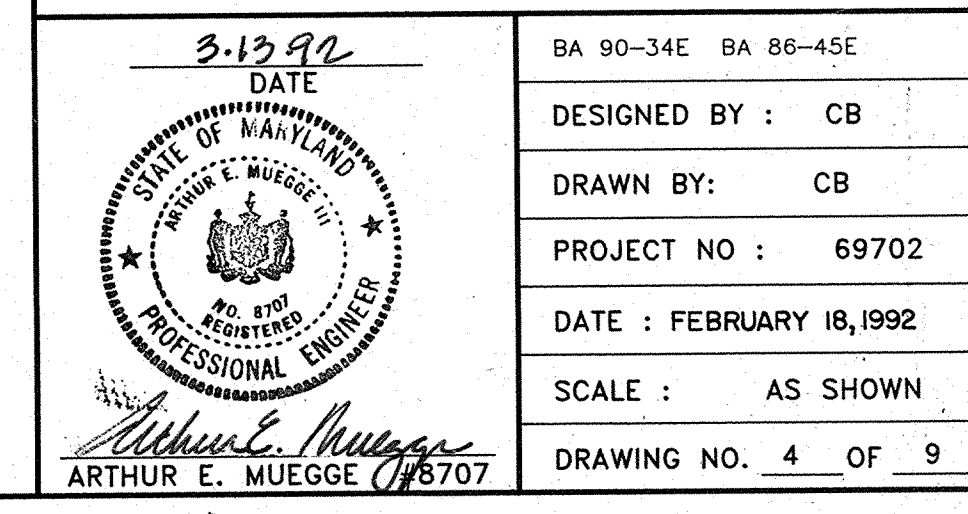
PROJECT
COLUMBIA PRESBYTERIAN CHURCH

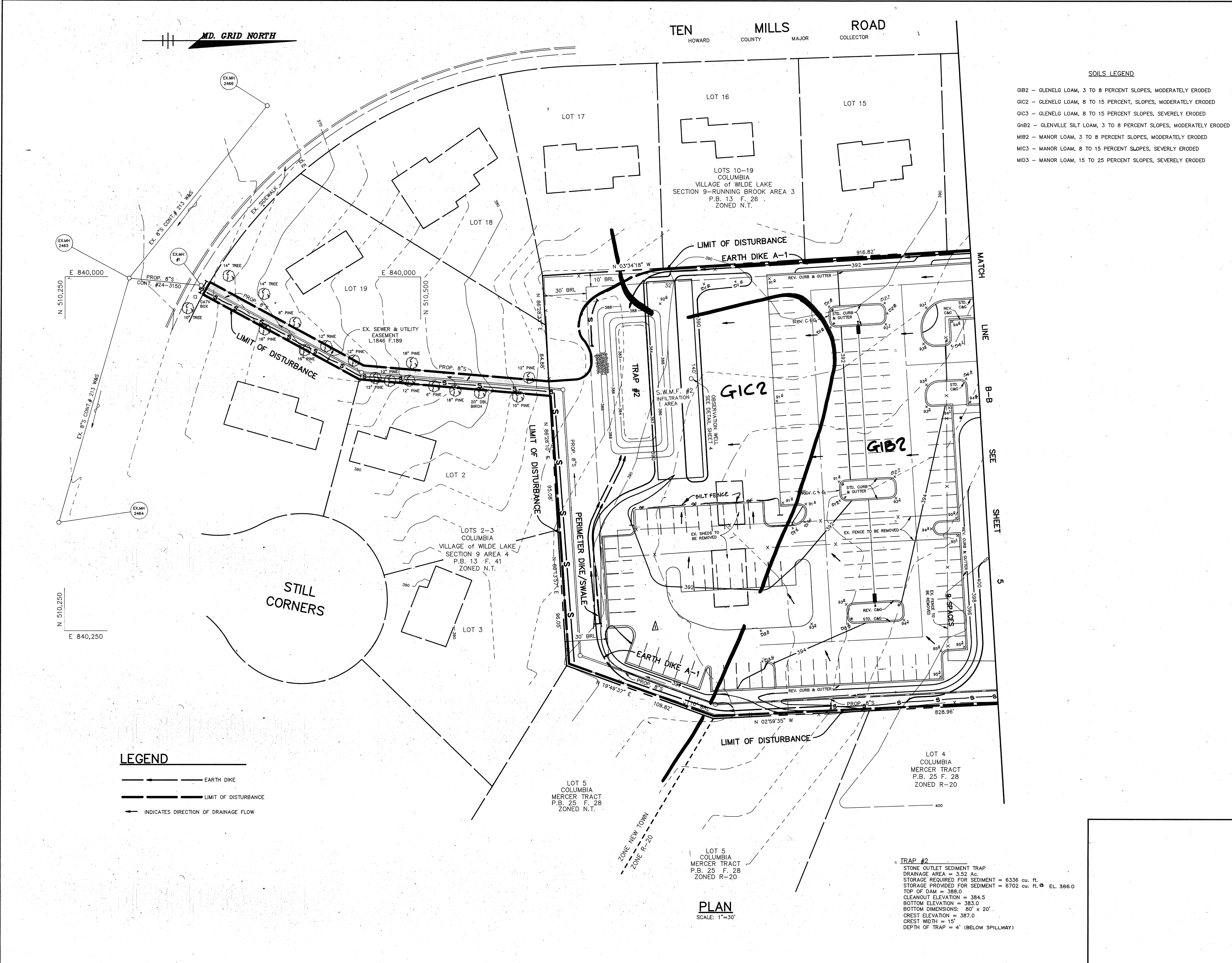
AREA
T.M. No. 30 PARCEL 223 ZONED R-20
5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

TITLE
PROFILES & DETAILS

RIEMER MUEGGE & ASSOCIATES, INC.
A Land Planning, Engineering and Consulting Firm
8818 Centre Park Drive Suite 200 Columbia, MD 21045
410-997-8900 FAX: 410-997-9282

3-13-92 DATE
BA 90-34E BA 86-45E
DESIGNED BY: CB
DRAWN BY: CB
PROJECT NO.: 69702
DATE: FEBRUARY 18, 1992
SCALE: AS SHOWN
DRAWING NO. 4 OF 9





SOILS LEGEND

GIB2 - GLENELG LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
 GIC2 - GLENELG LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED
 GIC3 - GLENELG LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED
 GIB2 - GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
 MIB2 - MANOR LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
 MIC3 - MANOR LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED
 MID3 - MANOR LOAM, 15 TO 25 PERCENT SLOPES, SEVERELY ERODED

LEGEND

— EARTH DIKE
 - - - - - LIMIT OF DISTURBANCE
 - - - - - INDICATES DIRECTION OF DRAINAGE FLOW

TRAP #2
 STONE OUTLET SEDIMENT TRAP
 DRAINAGE AREA = 3.52 Ac.
 STORAGE REQUIRED FOR SEDIMENT = 6336 cu. ft.
 STORAGE PROVIDED FOR SEDIMENT = 6702 cu. ft. @ EL. 386.0
 TOP OF DAM = 388.0
 CLEANOUT ELEVATION = 384.5
 BOTTOM ELEVATION = 383.0
 BOTTOM DIMENSIONS: 80' x 20'
 CREST ELEVATION = 387.0
 CREST WIDTH = 15'
 DEPTH OF TRAP = 4' (BELOW SPILLWAY)

PLAN
 SCALE: 1"=30'

AS BUILT CERTIFICATE	
ARTHUR E. MUEGGE #8707	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 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.	
<i>Stephen A. Newkome</i> 3/12/92 DEVELOPER	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.	
<i>Arthur E. Muegge</i> 3/13/92 ENGINEER	DATE
THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.	
<i>James M. Helm</i> 7/8/92 U.S. SOIL CONSERVATION SERVICE	DATE
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.	
<i>John R. Robertson</i> 7/8/92 HOWARD SOIL CONSERVATION DISTRICT	DATE
APPROVED : FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.	
<i>James M. Boyd</i> 9/4/92 COUNTY HEALTH OFFICER	DATE
APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>James M. Boyd</i> 9/9/92 DIRECTOR	DATE
<i>Alma Helmuth</i> 9/9/92 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT	DATE
APPROVED : FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.	
<i>James M. Boyd</i> 8/31/92 DIRECTOR	DATE
<i>Arthur E. Muegge</i> 8/31/92 CHIEF, BUREAU OF ENGINEERING	DATE
01-14-04	ADDED PARKING LOT FOR PHASE II & SILT FENCE
DATE NO.	REVISION
OWNER / DEVELOPER	
COLUMBIA PRESBYTERIAN CHURCH 10001 CLARKSVILLE PIKE COLUMBIA, MARYLAND 21044	
PROJECT COLUMBIA PRESBYTERIAN CHURCH	
AREA T.M. No. 30 PARCEL 223 ZONED R-20 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND	
TITLE SEDIMENT CONTROL PLAN & DRAINAGE AREA MAP	
RIEMER MUEGGE & ASSOCIATES, INC. A Land Planning, Engineering and Consulting Firm 8818 Centre Park Drive Suite 200 Columbia, Md. 21045 410-997-8900 FAX : 410-997-9282	
3/13/92 DATE	BA 90-34E BA 86-45E
<i>Arthur E. Muegge</i> PROFESSIONAL ENGINEER	DESIGNED BY : CB
	DRAWN BY : CB
	PROJECT NO : 69702
	DATE : MARCH 13, 1992
	SCALE : AS SHOWN
	DRAWING NO. 6 OF 9

MD. GRID NORTH

TEN MILLS ROAD
HOWARD COUNTY MAJOR COLLECTOR

PLANT LIST

GENERAL NOTES:

PLANT #	PHASE I	PHASE II	SYL. KEY	BOTANICAL NAME COMMON NAME	SIZE	REMARKS
35	79	BT		BERBERIS THUNBERGIANA "CRIMSON FLOW" Crimson Toyon Red Barberry	24-30" Ht.	B & B or cont. 3" O.C.
	110	JC		JUNIPERUS CHINENSIS "PFIZERIANA" Fritzler Juniper	24-30" Ht.	B & B or cont. 3" O.C.
	7	XP		KOELERUTHERIA PANICULATA Golden Rain Tree	6-8' Ht.	B & B
	10	LS		LIQUIDAMBAR STRYACIFLUA Sweetgum	10-12' Ht. 1 1/2-2"	B & B
14	82	PS		PRUNUS STROBUS White Pine	6-8' Ht.	B & B Natural
	24	PT		PRUNUS YEDOENSIS Yoshino Cherry	6-8' Ht.	B & B
7	17	QR		QUERCUS RUBRA Red Oak	10-12' Ht. 1 1/2-2" Cal.	B & B

1. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING MUST BE POSTED AS PART OF THE GRADING PERMIT IN THE AMOUNT OF \$5250
 7 SHADE TREES @ \$750 = \$5250
 0 ORNAMENTAL TREES @ \$150 = \$0
 14 EVERGREEN TREES @ \$150 = \$2100
 35 SHRUBS @ \$30 = \$1050

VEGETATIVE ANALYSIS

AREA	SPECIES	AVERAGE D.S.H.	CLASSIFICATION	NOTES
1	Grasses (sp.) Bent Sweet Clover Common Plantain Sanderson		Pasture	Majority of Site
2	Multiflora Rose Japanese Boneyusukle Red Mulberry Wild Black Cherry Red Maple Black Raspberry	4" 4" 4" 4"	Fence Line	Along East & West Boundary
3	White Pine Spice Japanese Boneyusukle Multiflora Rose		Fence Line	Along South Boundary
4	Silver Maple Fire Cherry Apple Canadian Yew Porsychia	30" 8" 7"	Ornamentals	Around Existing House

DEVELOPER'S/BUILDER'S CERTIFICATE
 I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE HOWARD COUNTY LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION, A LETTER OF LANDSCAPE INSTALLATION, ACCOMPANIED BY AN EXECUTED ONE YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.
 Don S. Hill
 SIGNATURE DATE 7-11-92

AS BUILT CERTIFICATE
 ARTHUR E. MUEGGE #8707 DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
 Joyce M. Bond... 9/4/92
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

James R... 9/4/92
 DIRECTOR DATE

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

James J. ... 8/31/92
 DIRECTOR DATE

Michael S. ... 8/31/92
 CHIEF, BUREAU OF ENGINEERING DATE

7-14-92
 DATE NO. ADDED PARKING LOT FOR PHASE II REVISION

OWNER / DEVELOPER
 COLUMBIA PRESBYTERIAN CHURCH
 1001 CLARKSVILLE PIKE
 COLUMBIA, MARYLAND 21044

PROJECT
 COLUMBIA PRESBYTERIAN CHURCH

AREA
 T.M. No. 30 PARCEL 223 ZONED R-20
 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

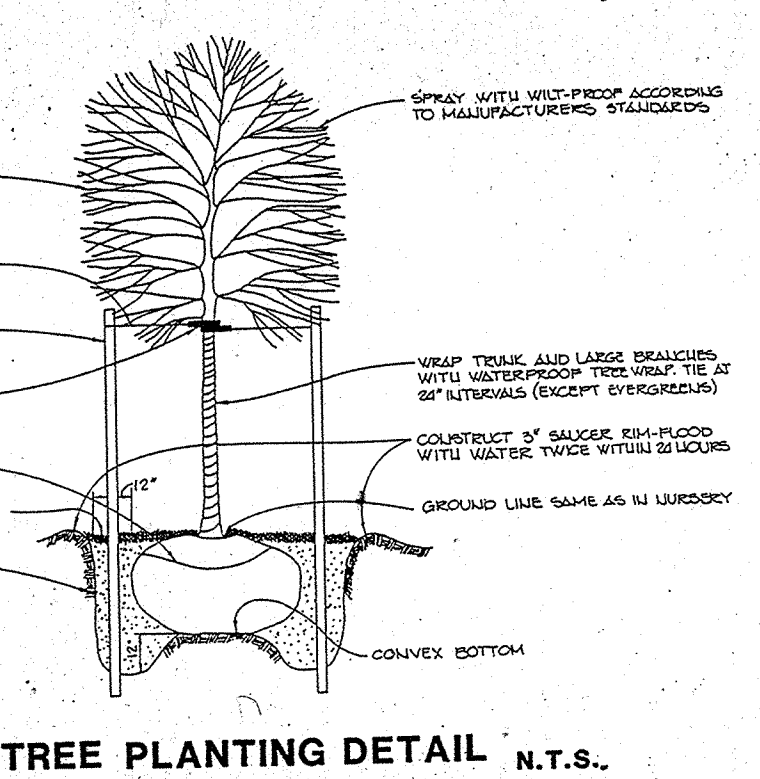
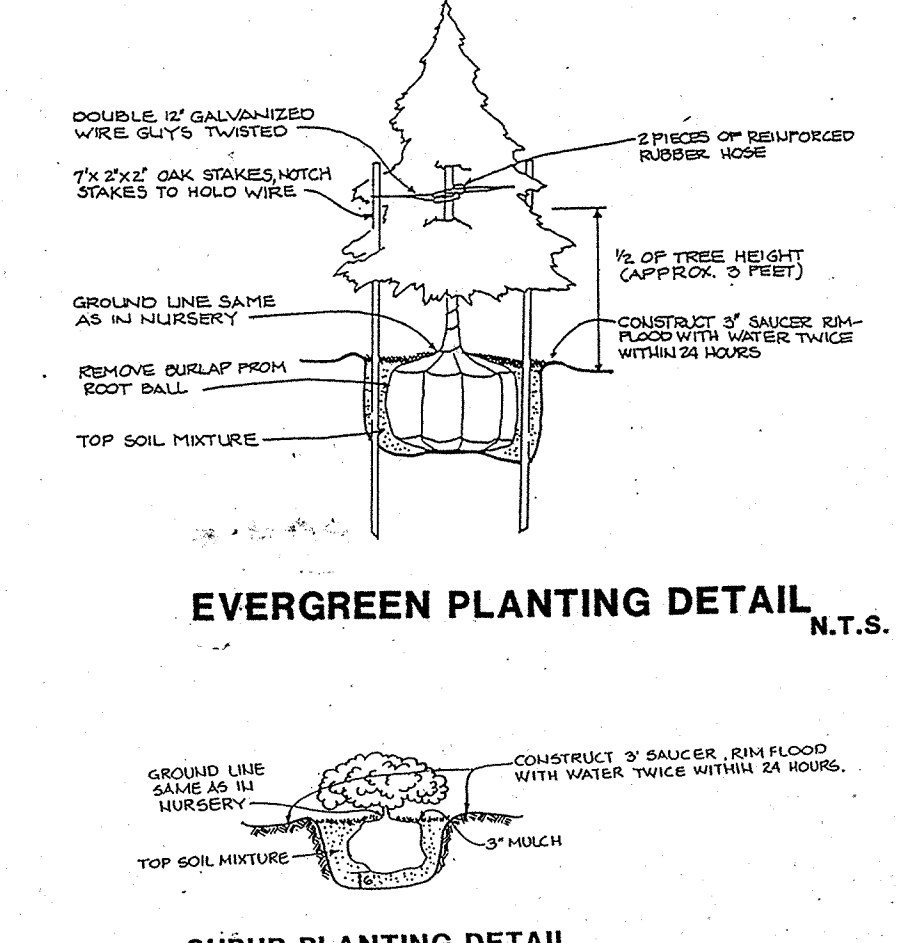
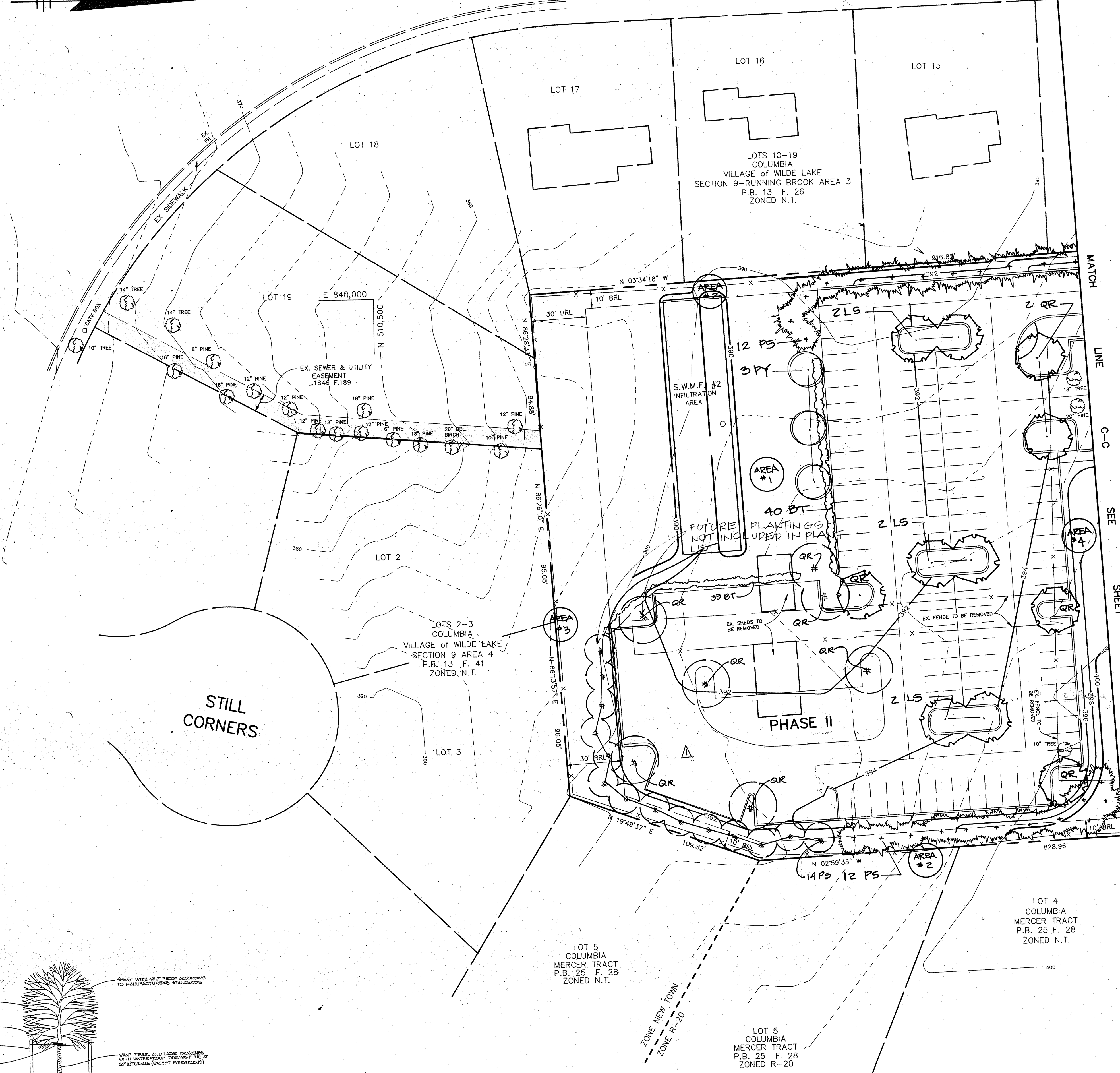
TITLE
 LANDSCAPE PLAN & ENVIRONMENTAL ANALYSIS

RIEMER MUEGGE & ASSOCIATES, INC.
 A Land Planning, Engineering and Consulting Firm
 8818 Centre Park Drive Suite 200 Columbia, Md. 21045
 410-997-8900 FAX: 410-997-9282

6-25-92
 DESIGNED BY:
 DRAWN BY: CB
 PROJECT NO: 69702
 DATE: MARCH 13, 1992
 SCALE: AS SHOWN
 DRAWING NO. 9 OF 9

Melanie Moser
 MELANIE MOSER #551

N 510,250
 E 840,000
 N 510,250
 E 840,250

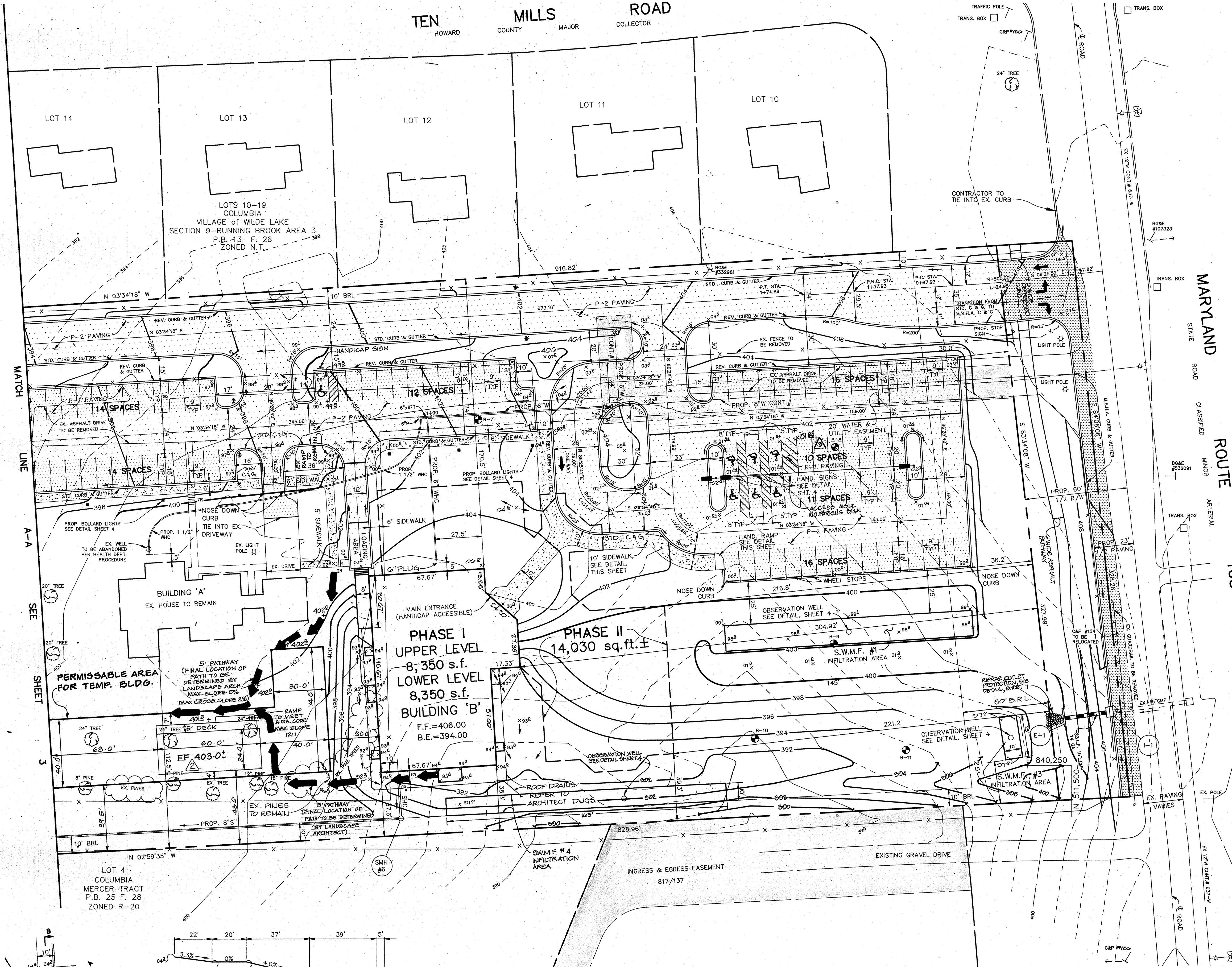


PLAN
 SCALE: 1"=30'

SP-92-09

TEN MILLS ROAD
HOWARD COUNTY MAJOR COLLECTOR

MD. GRID NORTH



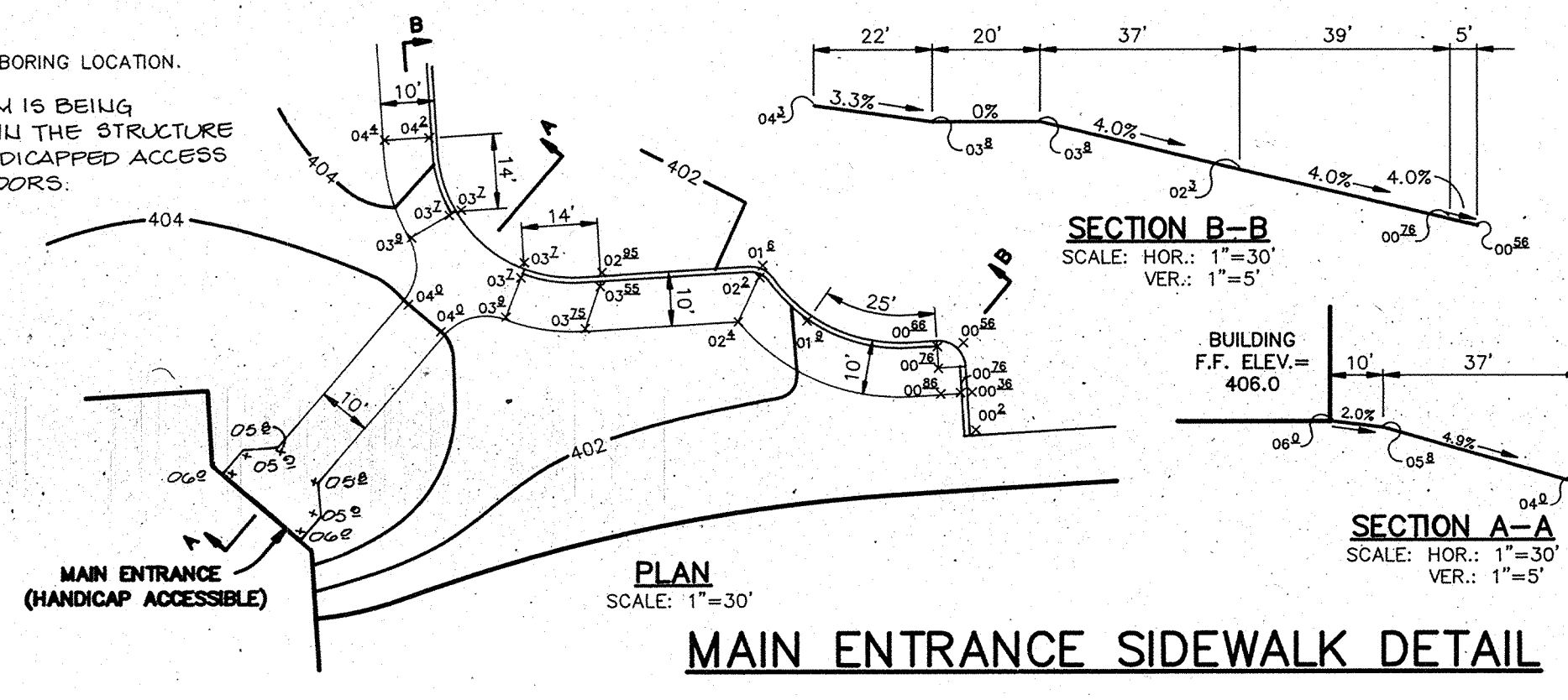
N 510,750
E 840,000
N 510,750
E 840,250

MARYLAND ROUTE 108
CLASSIFIED MINOR ARTERIAL

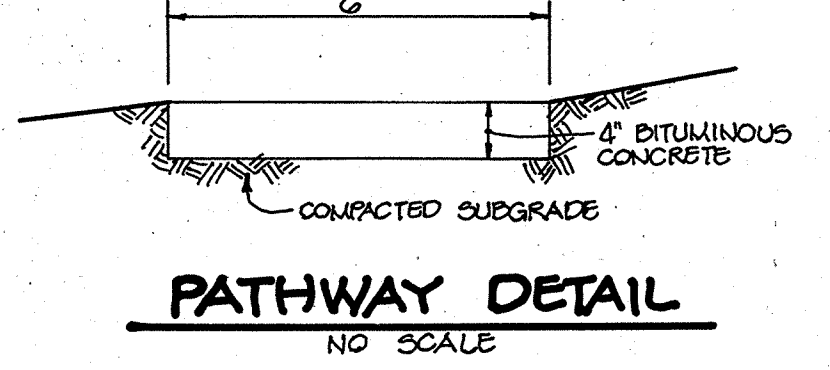
LEGEND

- P-1 PAVING
- P-2 PAVING
- M.S.H.A. PAVING
- PROP. SIDEWALK
- PROPOSED LIGHT POLE SEE DETAIL SHEET 4
- PROPOSED BOLLARD LIGHT SEE DETAIL SHEET 4

- NOTES:
1. ALL CURB RADI ARE 5' UNLESS OTHERWISE NOTED.
 2. * DENOTES TRANSITION FROM STANDARD TO REVERSE CURB AND GUTTER.
 3. DENOTES SOIL BORING LOCATION.
 4. A LIFT SYSTEM IS BEING PROVIDED WITHIN THE STRUCTURE TO ALLOW HANDICAPPED ACCESS BETWEEN FLOORS.



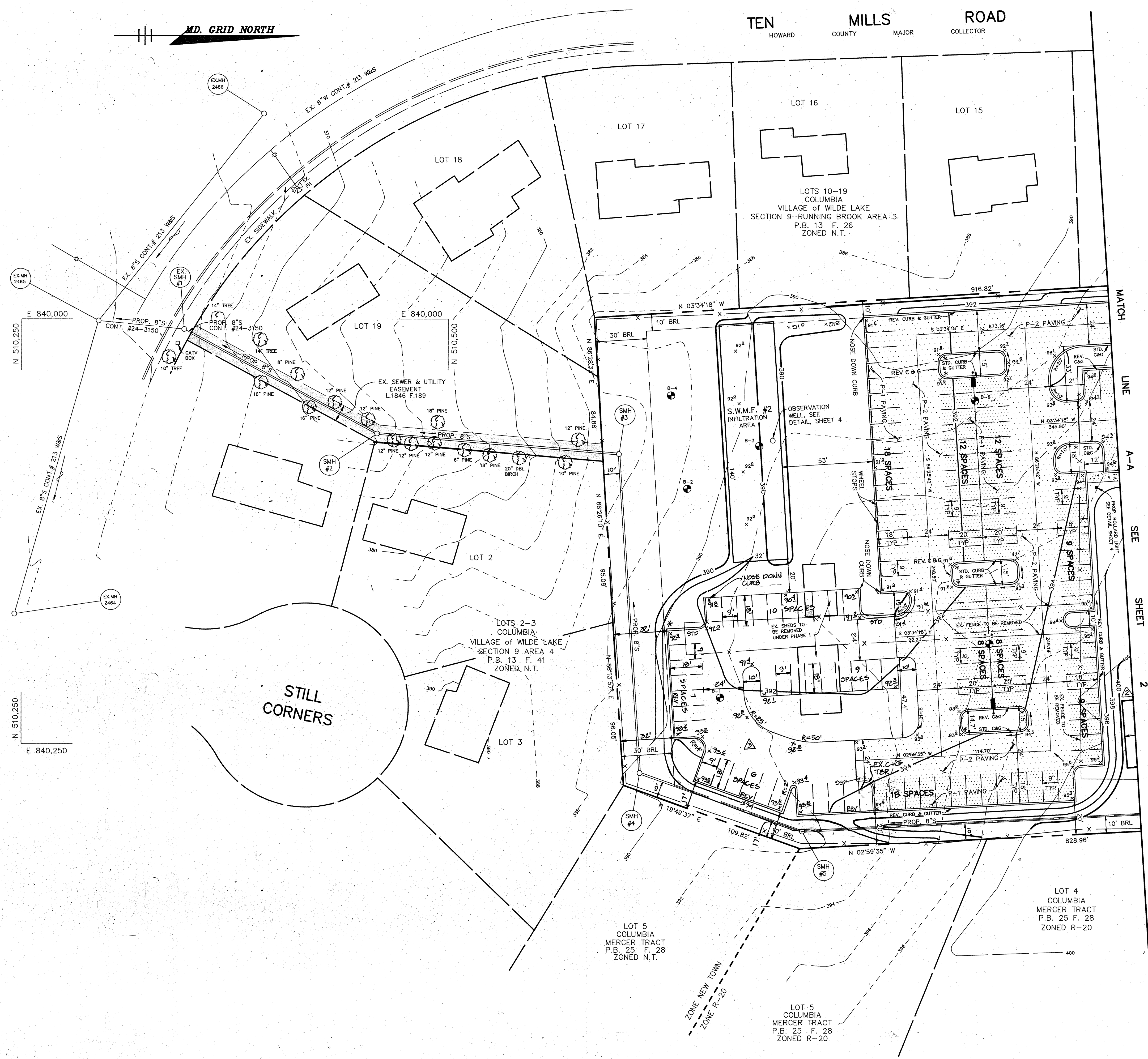
PLAN
SCALE: 1"=30'



07-14-04 CHANGE WC SPACE TO BE VAN ACCESSIBLE	
AS BUILT CERTIFICATE	
ARTHUR E. MUEGGE #8707	DATE
APPROVED : FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.	
<i>James M. Boyd</i> COUNTY HEALTH OFFICER	9/4/92 DATE
APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>James R. Smith</i> DIRECTOR	9/9/92 DATE
<i>Anna J. Hornath</i> CHIEF, DIVISION OF COMMUNITY & PLANNING AND LAND DEVELOPMENT	9/6/92 DATE
APPROVED : FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.	
<i>James J. ...</i> DIRECTOR	8/13/92 DATE
<i>...</i> CHIEF, BUREAU OF ENGINEERING	8-31-92 DATE
01-09-01/2 PROVIDED TRAILER CLASSROOM	
0-19-00 1 ADDED ASPHALT PATH & DETAIL	
0-19-00 1 REV. STORM DRAIN 6.1 - 1-1	
DATE NO.	REVISION
OWNER / DEVELOPER	
COLUMBIA PRESBYTERIAN CHURCH 10001 CLARKSVILLE PIKE COLUMBIA, MARYLAND 21044	
PROJECT COLUMBIA PRESBYTERIAN CHURCH	
AREA T.M. No. 30 PARCEL 223 ZONED R-20 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND	
TITLE SITE DEVELOPMENT PLAN	
RIEMER MUEGGE & ASSOCIATES, INC. A Land Planning, Engineering and Consulting Firm 8818 Centre Park Drive Suite 200 Columbia, Md. 21045 410-997-8900 FAX : 410-997-9282	
3-13-92 DATE	BA 90-34E BA 86-45E
	DESIGNED BY : CB
	DRAWN BY : CB
	PROJECT NO : 69702
	DATE : MARCH 13, 1992
	SCALE : AS SHOWN
	DRAWING NO. 2 OF 9

TEN MILLS ROAD
HOWARD COUNTY MAJOR COLLECTOR

MD. GRID NORTH



LEGEND

- P-1 PAVING
- P-2 PAVING
- PROP. SIDEWALK
- PROPOSED LIGHT POLE
SEE DETAIL SHEET 4
- PROPOSED BOLLARD LIGHT
SEE DETAIL SHEET 4

- NOTES:
1. ALL CURB RADI ARE 5' UNLESS OTHERWISE NOTED.
 2. * DENOTES TRANSITION FROM STANDARD TO REVERSE CURB AND GUTTER.
 3. ● DENOTES SOIL BORING LOCATION

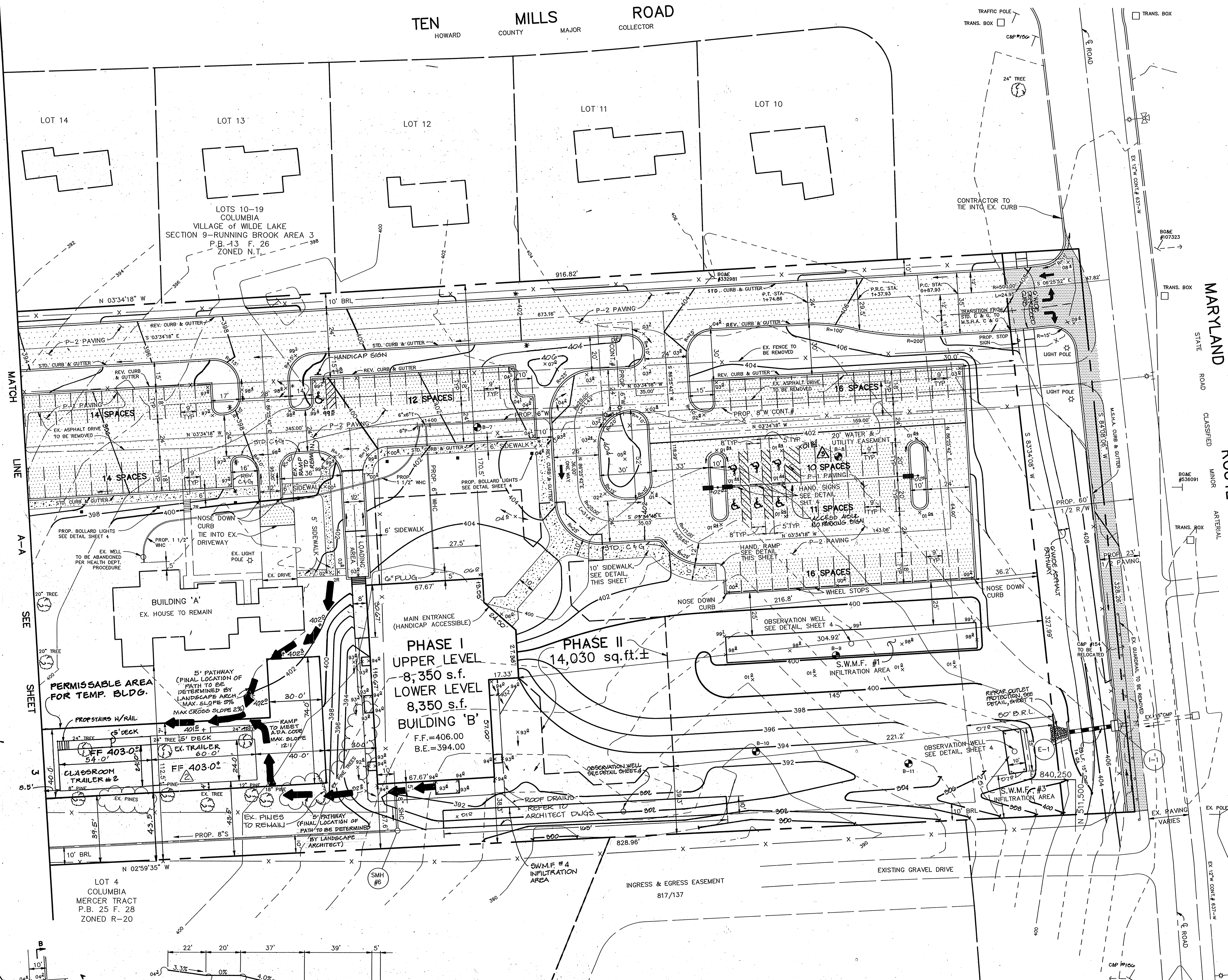
PLAN
SCALE: 1"=30'

AS BUILT CERTIFICATE	
ARTHUR E. MUEGGE #8707	DATE
APPROVED : FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.	
<i>Joyce M. Boyd</i> COUNTY HEALTH OFFICER	9/4/92 DATE
APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>James M. Smith</i> DIRECTOR	9/9/92 DATE
<i>Anna M. Thomas</i> CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT	9/8/92 DATE
APPROVED : FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.	
<i>James M. Smith</i> DIRECTOR	8/31/92 DATE
<i>James M. Smith</i> CHIEF, BUREAU OF ENGINEERING	9/3/92 DATE
07-14-01 ADDED PARKING LOT FOR PHASE II	
01-09-01 PROVIDED TRAILER CLASSROOM	
DATE NO.	REVISION
OWNER / DEVELOPER	
COLUMBIA PRESBYTERIAN CHURCH 10001 CLARKSVILLE PIKE COLUMBIA, MARYLAND 21044	
PROJECT	
COLUMBIA PRESBYTERIAN CHURCH	
AREA	
T.M. No. 30 PARCEL 223 ZONED R-20 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND	
TITLE	
SITE DEVELOPMENT PLAN	
RIEMER MUEGGE & ASSOCIATES, INC. A Land Planning, Engineering and Consulting Firm 8818 Centre Park Drive Suite 200 Columbia, Md. 21045 410-997-8900 FAX: 410-997-9282	
3-13-92 DATE	BA 90-34E BA 86-45E
DESIGNED BY: CB	
DRAWN BY: CB	
PROJECT NO.: 69702	
DATE: MARCH 13, 1992	
SCALE: AS SHOWN	
DRAWING NO. 3 OF 9	



TEN MILLS ROAD
HOWARD COUNTY MAJOR COLLECTOR

MD. GRID NORTH



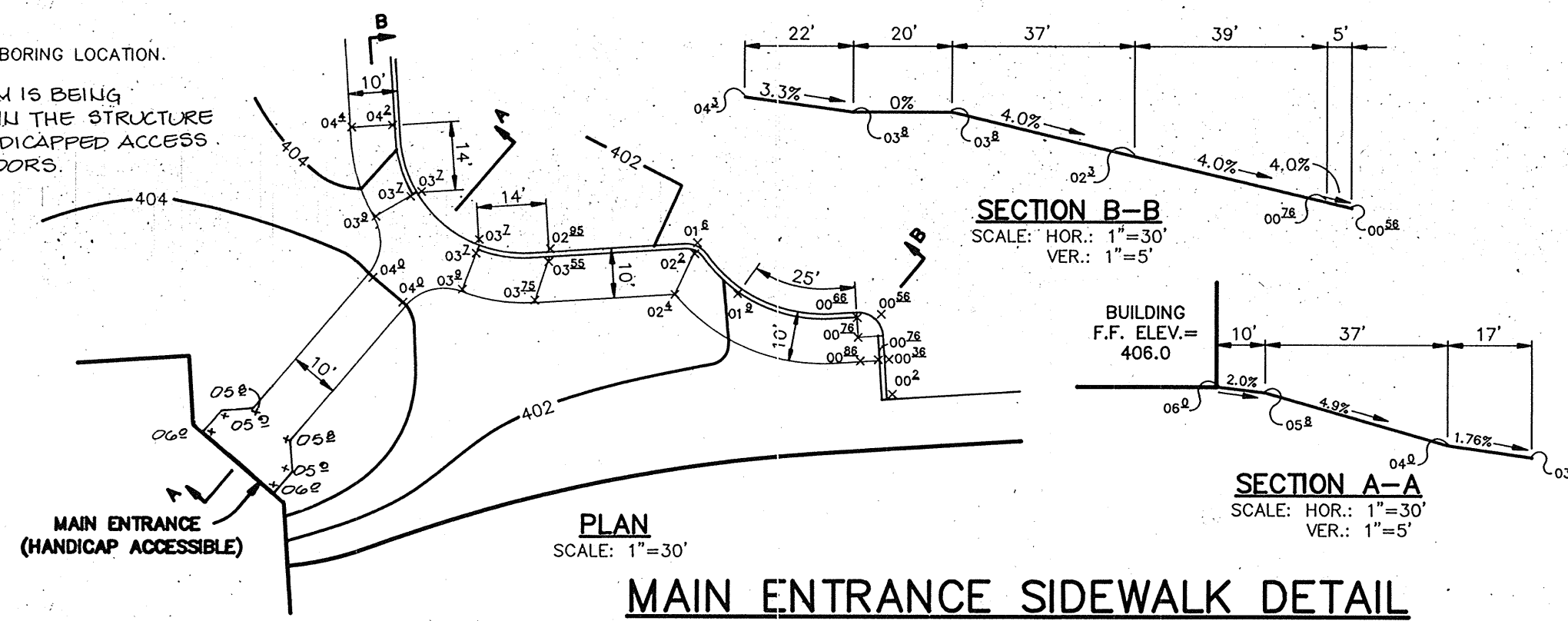
N 510,750
E 840,000
N 510,750
E 840,250

MARYLAND STATE ROUTE 108
CLASSIFIED MINOR ARTERIAL

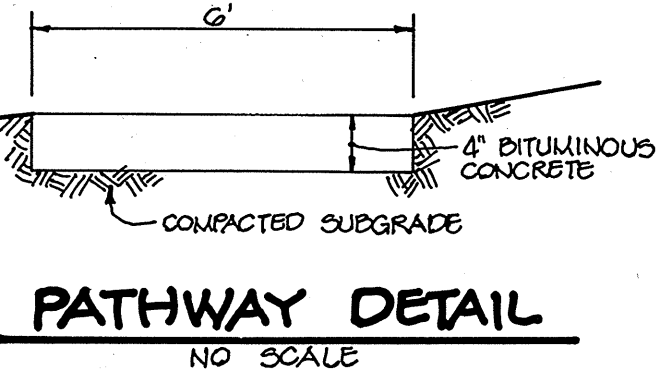
LEGEND

- P-1 PAVING
- P-2 PAVING
- M.S.H.A. PAVING
- PROP. SIDEWALK
- PROPOSED LIGHT POLE SEE DETAIL SHEET 4
- PROPOSED BOLLARD LIGHT SEE DETAIL SHEET 4

- NOTES:
1. ALL CURB RADI ARE 5' UNLESS OTHERWISE NOTED.
 2. * DENOTES TRANSITION FROM STANDARD TO REVERSE CURB AND GUTTER.
 3. DENOTES SOIL BORING LOCATION.
 4. 'A' LIFT SYSTEM IS BEING PROVIDED WITHIN THE STRUCTURE TO ALLOW HANDICAPPED ACCESS BETWEEN FLOORS.



PLAN SCALE: 1"=30'



PATHWAY DETAIL NO SCALE

10-2004 A	PROVIDE TRAILER CLASSROOM W/DECK
07-14-04 A	CHANGE NO SPACE TO BE VAN ACCESSIBLE
AS BUILT CERTIFICATE	
ARTHUR E. MUEGGE #8707	DATE
APPROVED : FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.	
<i>Joyce M. Henderson</i>	9/4/92
JOYCE M. HENDERSON	DATE
APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>James R. Smith</i>	9/9/92
JAMES R. SMITH	DATE
<i>Anna S. Hornum</i>	9/9/92
ANNA S. HORNUM	DATE
APPROVED : FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.	
<i>James G. Brown</i>	8/31/92
JAMES G. BROWN	DATE
<i>James G. Brown</i>	8-31-92
JAMES G. BROWN	DATE
01-09-01 A	PROVIDED TRAILER CLASSROOM
0-15-00 1	ADDED 6 ASPHALT PATH DETAIL REV. STORM DRAIN E-1 - I-1
DATE NO.	REVISION
OWNER / DEVELOPER	
COLUMBIA PRESBYTERIAN CHURCH 10001 CLARKSVILLE PIKE COLUMBIA, MARYLAND 21044	

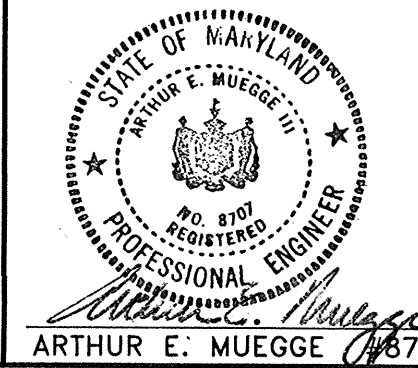
PROJECT
COLUMBIA PRESBYTERIAN CHURCH

AREA
T.M. No. 30 PARCEL 223 ZONED R-20
5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

TITLE
SITE DEVELOPMENT PLAN

RIEMER MUEGGE & ASSOCIATES, INC.
A Land Planning, Engineering and Consulting Firm
8818 Centre Park Drive Suite 200 Columbia, Md. 21045
410-997-8900 FAX : 410-997-9282

3-12-92	DATE	BA 90-34E BA 86-45E
DESIGNED BY :	CB	
DRAWN BY :	CB	
PROJECT NO :	69702	
DATE :	MARCH 13, 1992	
SCALE :	AS SHOWN	
DRAWING NO. 2	OF 9	



SHEET INDEX	
NO.	DESCRIPTION
1	TITLE SHEET
2	SITE DEVELOPMENT PLAN
3	SITE DEVELOPMENT PLAN
4	PROFILES & DETAILS
5	SEDIMENT CONTROL PLAN & DRAINAGE AREA MAP
6	SEDIMENT CONTROL PLAN & DRAINAGE AREA MAP
7	SEDIMENT CONTROL NOTES & DETAILS
8	LANDSCAPE PLAN
9	LANDSCAPE PLAN

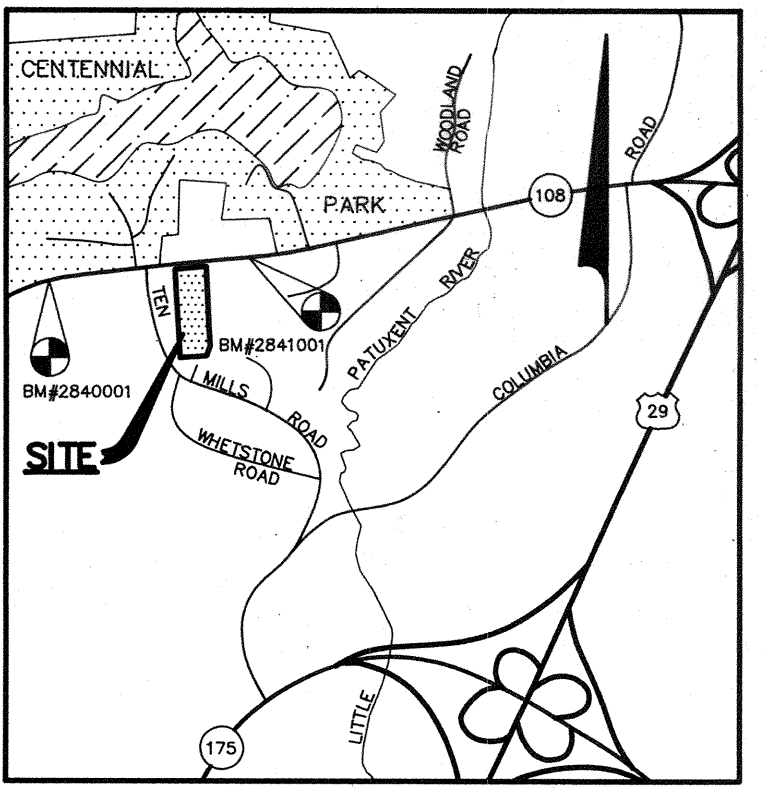
SITE DEVELOPMENT PLAN

COLUMBIA

PRESBYTERIAN CHURCH

5th ELECTION DISTRICT

HOWARD COUNTY, MARYLAND



VICINITY MAP
SCALE: 1"=2000'

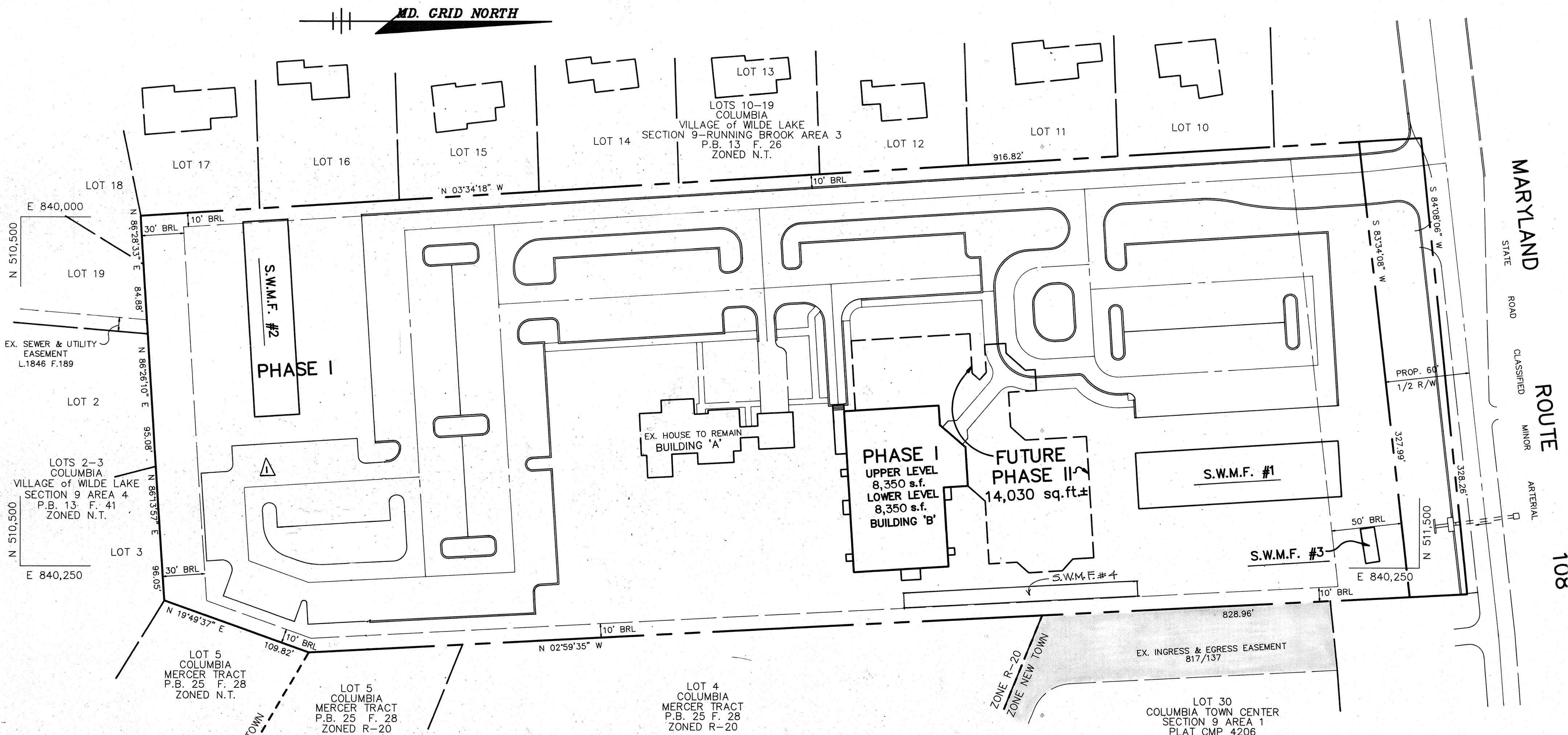
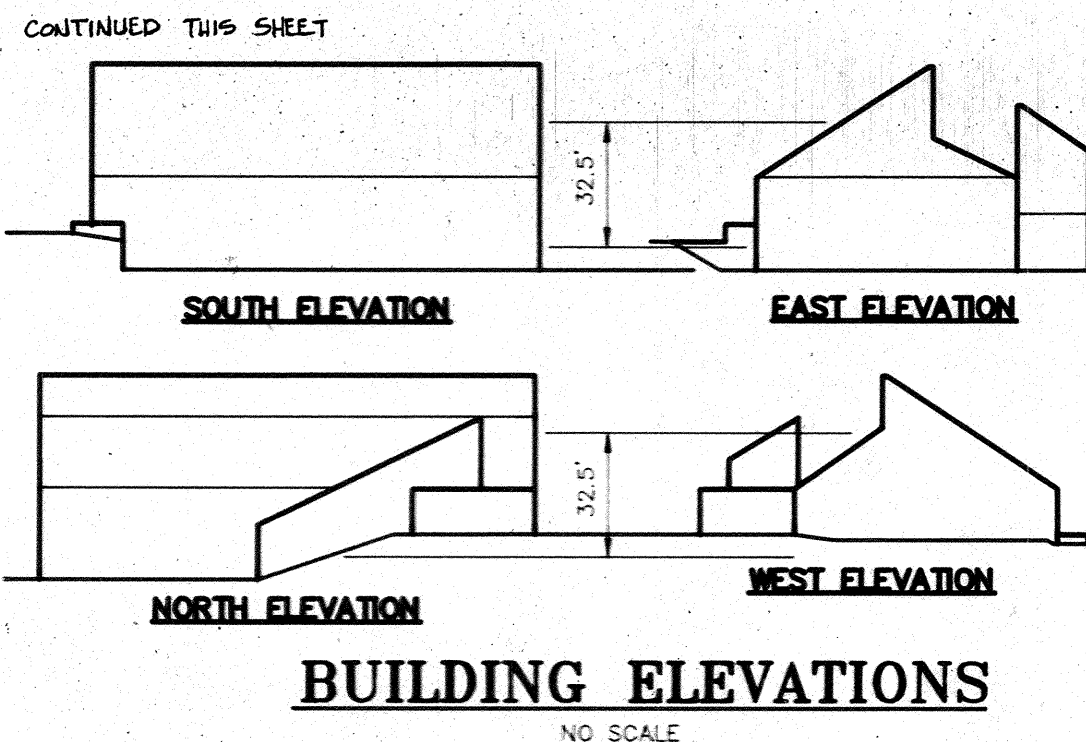
BENCH MARKS

BM# 2840001 ELEV. 433.64
CONCRETE MONUMENT 0.1' ABOVE SURFACE, NEAR FENCE LINE AND APPROXIMATELY 50'± SOUTHEAST OF C&P POLE #162. N 511,254.336; E 838,653.056.

BM# 2841001 ELEV. 409.97
CONCRETE MONUMENT 0.3' ABOVE SURFACE, 6'± NORTH OF FENCE LINE APPROXIMATELY OPPOSITE PEAK OF ROOF OF HOUSE #9928. N 511,562.807; E 840,720.436.

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, 1990 EDITIONS.
- 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 CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES AT LEAST (5) DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS TO VERIFY THEIR LOCATION AND ELEVATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF LOCATION OF UTILITIES IS OTHER THAN SHOWN.
- CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS:
 MISS UTILITY 1-800-257-7777
 C&P TELEPHONE COMPANY 725-9976
 HOWARD COUNTY BUREAU OF UTILITIES 313-4900
 AT&T CABLE LOCATION DIVISION 393-3553
 BALTIMORE GAS & ELECTRIC COMPANY 885-0123
 STATE HIGHWAY ADMINISTRATION 531-5533
 HOWARD COUNTY CONSTRUCTION/INSPECTION SURVEY DIVISION (24 HOURS NOTICE PRIOR TO COMMENCEMENT OF WORK) 792-7272
- ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT 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.
- NO PIPE SHALL BE LAID UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT TO SUBGRADE.
- TOPO TAKEN FROM FIELD RUN SURVEY DATED FEB. 1991 BY RIEMER MUEGGE AND ASSOCIATES, INC.
- ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- 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 HOWARD COUNTY DESIGN MANUAL UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR AS SHOWN ON THE DRAWINGS.
- THE DEVELOPER IS RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR RIGHTS-OF-WAY THAT MAY BE REQUIRED FOR THE SEDIMENT AND EROSION CONTROL PRACTICES, STORM WATER MANAGEMENT PRACTICES AND THE DISCHARGE OF STORM WATER ONTO OR ACROSS ADJACENT OR DOWNSTREAM PROPERTIES INCLUDED IN THIS PLAN. HE IS ALSO RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR WORK ON ADJACENT PROPERTIES INCLUDED IN THIS PLAN.
- THE OWNER SHALL PROVIDE A SEPARATE AND INDEPENDENT SEWER CONNECTION FOR EACH TENANT OR OCCUPANT OF ANY BUILDING, SHOWN ON THIS SITE DEVELOPMENT PLAN, WHO WILL DISCHARGE NON-DOMESTIC WASTE TO THE PUBLIC SEWERAGE SYSTEM IF THIS WASTE IS REGULATED UNDER SECTION 18.22A OF THE HOWARD COUNTY CODE. EACH SEPARATE AND INDEPENDENT SEWER CONNECTION SHALL INCLUDE A STANDARD MANHOLE AND OTHER WATER PRETREATMENT DEVICES AS REQUIRED AND APPROVED BY HOWARD COUNTY. WASTE LINES ON THE INTERIOR OF THE BUILDING SHALL BE DESIGNED, CONSTRUCTED OR MODIFIED SUCH THAT NON-DOMESTIC WASTE WILL BE DISCHARGED TO THE SEPARATE AND INDEPENDENT SEWER CONNECTION. NO PLAN SHALL DISCHARGE REGULATED NON-DOMESTIC WASTE TO THE PUBLIC SEWERAGE SYSTEM PRIOR TO INSTALLATION OF THE SEPARATE AND INDEPENDENT SEWER CONNECTION AND RELATED INTERIOR WASTE LINES. THE ABOVE REQUIREMENTS SHALL APPLY TO ALL INITIAL AND FUTURE OCCUPANTS OR TENANTS.
- STORMWATER MANAGEMENT FOR THIS DEVELOPMENT IS PROVIDED BY UNDERGROUND INFILTRATION FACILITIES.
- THE PAVEMENT DETAILS SHOWN ON THESE PLANS REFLECT THE HOWARD COUNTY MINIMUM STANDARD PAVEMENT SECTIONS AND ARE NOT BASED ON SITE SPECIFIC CONDITIONS. PRIOR TO PAVING, THE FINAL PAVEMENT SECTIONS SHALL BE DETERMINED BY A QUALIFIED GEOTECHNICAL ENGINEER BASED ON IN-SITU TESTING OF THE FINISHED SUBGRADE. THE TESTING AND GEOTECHNICAL ENGINEER SHALL BE FURNISHED BY THE OWNER.
- BOARD OF APPEALS CASE NO. BA-90-34E WAS A PETITION FOR A SPECIAL EXCEPTION FOR A RELIGIOUS FACILITY, AND WAS GRANTED ON OCTOBER 25, 1990. BOARD OF APPEALS CASE NO. BA-86-45E WAS A PETITION FOR A SPECIAL EXCEPTION FOR A RELIGIOUS FACILITY, AND WAS GRANTED ON MARCH 10, 1987, AND EXTENDED ON NOVEMBER 10, 1988.
- A SPRINKLER SYSTEM IS TO BE PROVIDED FOR THE PROPOSED BUILDING.



SITE TABULATION

TOTAL AREA	6.803 Ac.
EXISTING ZONING	R-20
PROPOSED USE	RELIGIOUS FACILITY INCLUDING:
	1. PHASE I BUILDING 'A':
	EXISTING HOUSE TO REMAIN RESIDENCE-2,000 SF
	EXISTING HOUSE TO REMAIN OFFICES-650 SF
	PHASE I BUILDING 'B': ONE STORY
	WITH PARTIAL BASEMENT
	GYMNASIUM UPPER LEVEL 8,350 SF
	FELLOWSHIP FACILITY LOWER LEVEL
	(CLASSROOMS) 8,350 SF
	NOTE: GYMNASIUM TO BE USED FOR FELLOWSHIP SERVICES UNTIL FUTURE SANCTUARY IS CONSTRUCTED. GYM WILL ACCOMMODATE 522 SEATS.
PARKING REQUIRED	184 SPACES
8' SPACE/3' FIXED SEATS OF MAXIMUM ASSEMBLY AREA (550 SEATS PROPOSED)	
PARKING REQUIRED	184 SPACES
AREA OF PARKING LOTS	PHASE I 184 (INCLUDES 6 HANDICAP) 60,243 SF
AREA OF LANDSCAPE ISLANDS	PHASE II 37 37
OPEN SPACE	TOTAL 221 (INCLUDES 6 HANDICAP)
PARKING PROVIDED	3690 SF (6.1% OF PARKING AREA)
	187,308 SF (63.2% OF TOTAL AREA)
	210 SPACES (INCL 7 HC SPACES)

PLAN

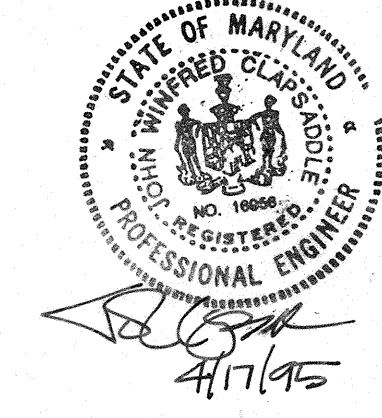
SCALE: 1"=50'

ADDRESS CHART

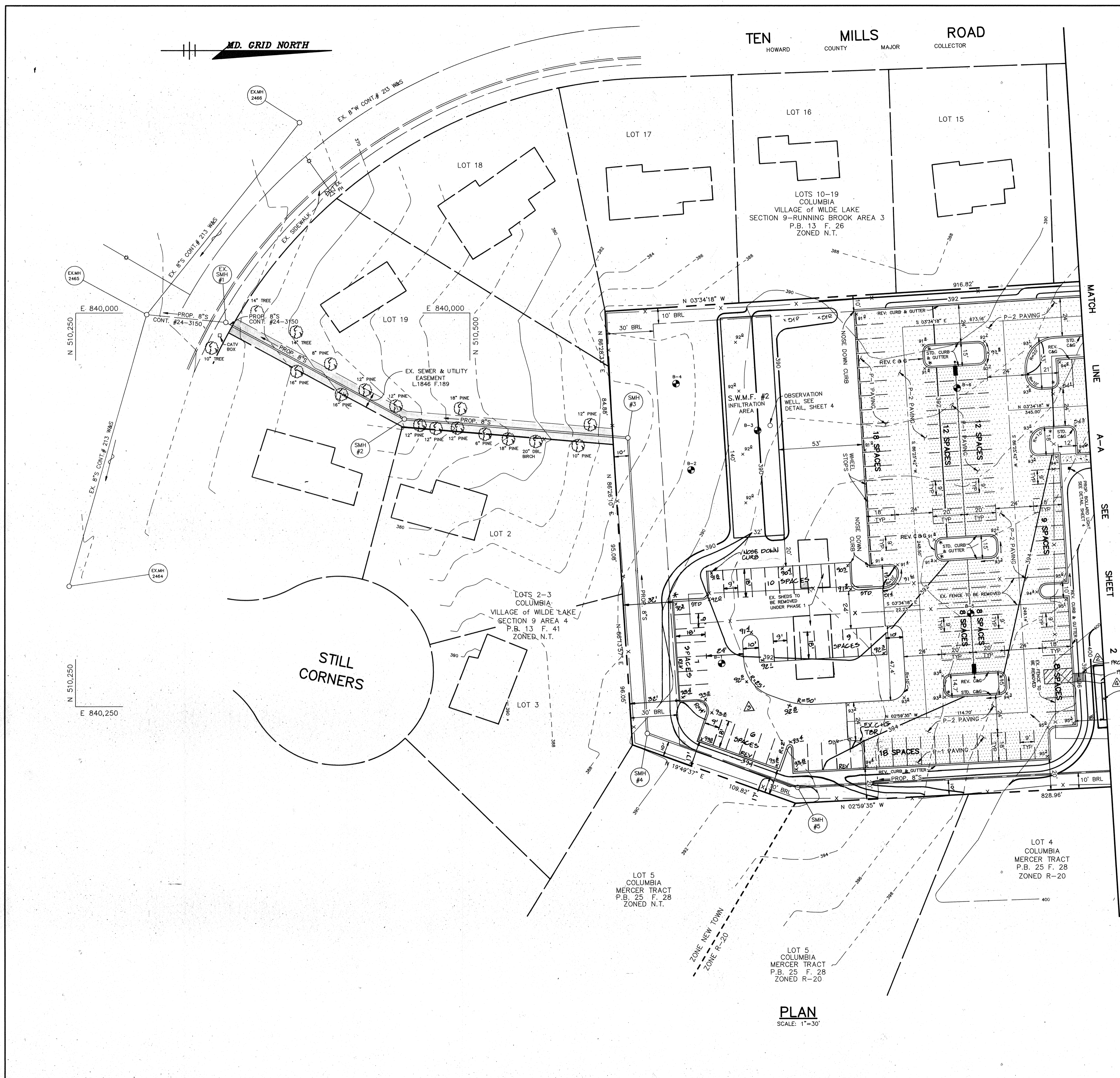
BUILDING	STREET ADDRESS
A	10001 CLARKSVILLE PIKE
B	10001 CLARKSVILLE PIKE

DIVISION NAME -	COLUMBIA PRESBYTERIAN CHURCH	SECT./AREA -	N/A	PARCEL -	223
PLAT # -	N/A	BLOCK # -	8	ZONING -	R-20
TAX MAP NO. -	30	ELECT. DIST. -	5th	GENUS TRACT -	0084
WATER CODE -	E01	SEWER CODE -	5680200		

THIS IS TO CERTIFY THAT THE STORMWATER MANAGEMENT INFILTRATION FACILITIES HAVE BEEN BUILT TO THE LINES AND GRADES SHOWN HEREIN IN RED AND THAT THEY ARE SUBSTANTIALLY IN ACCORDANCE WITH THE APPROVED PLANS.



AS BUILT CERTIFICATE	
ARTHUR E. MUEGGE #8707	DATE
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.	
<i>James M. Boyd</i> per <i>8/5m</i>	9/4/92
COUNTY HEALTH OFFICE	DATE
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>James M. Boyd</i>	9/9/92
DIRECTOR	DATE
<i>Anna H. Hornum</i>	9/8/92
CHIEF, DIVISION OF COMMUNITY, PLANNING AND LAND DEVELOPMENT	DATE
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.	
<i>James M. Boyd</i>	9/2/92
DIRECTOR	DATE
<i>James M. Boyd</i>	9/2/92
CHIEF, BUREAU OF ENGINEERING	DATE
1-5-05	REVISED PARKING PROVIDED
07-14-04	ADDED PARKING LOT FOR PHASE II
DATE NO.	REVISION
OWNER / DEVELOPER	
COLUMBIA PRESBYTERIAN CHURCH 10001 CLARKSVILLE PIKE COLUMBIA, MARYLAND 21044	
PROJECT	
COLUMBIA PRESBYTERIAN CHURCH	
AREA	
T.M. No. 30 PARCEL 223 ZONED R-20 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND	
TITLE	
TITLE SHEET	
RIEMER MUEGGE & ASSOCIATES, INC.	
A Land Planning, Engineering and Consulting Firm 8818 Centre Park Drive Suite 200 Columbia, Md. 21045 410-997-8900 FAX: 410-997-9282	
3-13-92	DATE
BA 90-34E BA 86-45E	DESIGNED BY: CB
	DRAWN BY: CB
	PROJECT NO: 69702
	DATE: MARCH 13, 1992
	SCALE: AS SHOWN
	DRAWING NO. 1 OF 9



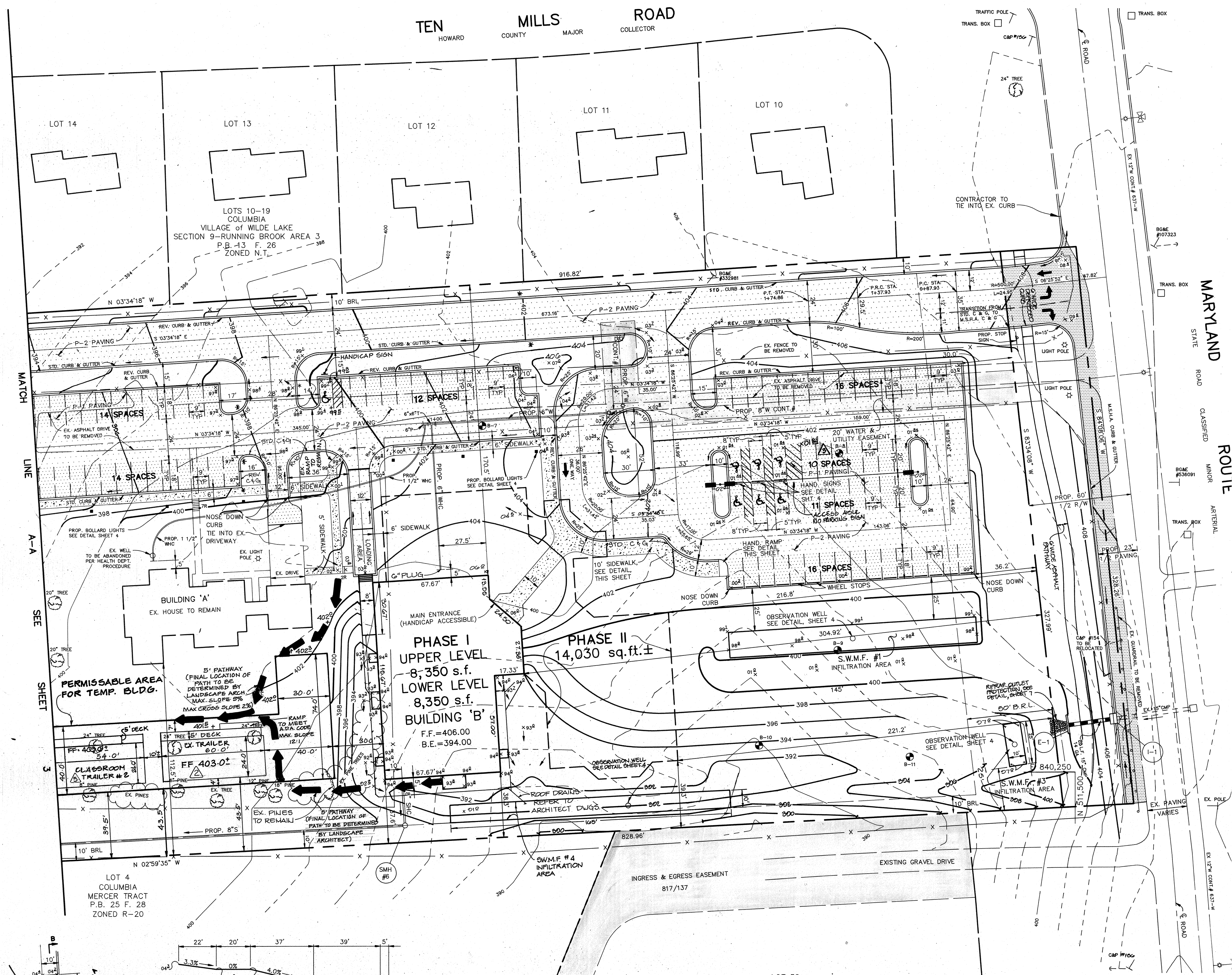
- LEGEND**
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SEE DETAIL SHEET 4
 - PROPOSED BOLLARD LIGHT
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- NOTES:**
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 2. * DENOTES TRANSITION FROM STANDARD TO REVERSE CURB AND GUTTER.
 3. DENOTES SOIL BORING LOCATION

PLAN
SCALE: 1"=30'

1-3-05	4	ADDED TRAILER #2 & DECK.
AS BUILT CERTIFICATE		
ARTHUR E. MUEGGE #8707		DATE
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.		
<i>Joseph M. Boyd</i> COUNTY HEALTH OFFICER		9/4/92 DATE
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.		
<i>James M. Lewis</i> DIRECTOR		9/9/92 DATE
<i>Emma H. Adams</i> CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT		9/8/92 DATE
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.		
<i>James M. Lewis</i> DIRECTOR		8/31/92 DATE
<i>William S. Reed</i> CHIEF, BUREAU OF ENGINEERING		8-31-92 DATE
07-14-01	ADDED PARKING LOT FOR PHASE II	
01-09-01	PROVIDED TRAILER CLASSROOM	
DATE NO.	REVISION	
OWNER / DEVELOPER		
COLUMBIA PRESBYTERIAN CHURCH 10001 CLARKSVILLE PIKE COLUMBIA, MARYLAND 21044		
PROJECT		
COLUMBIA PRESBYTERIAN CHURCH		
AREA		
T.M. No. 30 PARCEL 223 ZONED R-20 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND		
TITLE		
SITE DEVELOPMENT PLAN		
RIEMER MUEGGE & ASSOCIATES, INC. A Land Planning, Engineering and Consulting Firm 8818 Centre Park Drive Suite 200 Columbia, Md. 21045 410-997-8900 FAX: 410-997-9282		
3-13-92 DATE		BA 90-34E BA 86-45E
		DESIGNED BY: CB
		DRAWN BY: CB
		PROJECT NO: 69702
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		SCALE: AS SHOWN
		DRAWING NO. 3 OF 9

TEN MILLS ROAD
HOWARD COUNTY MAJOR COLLECTOR

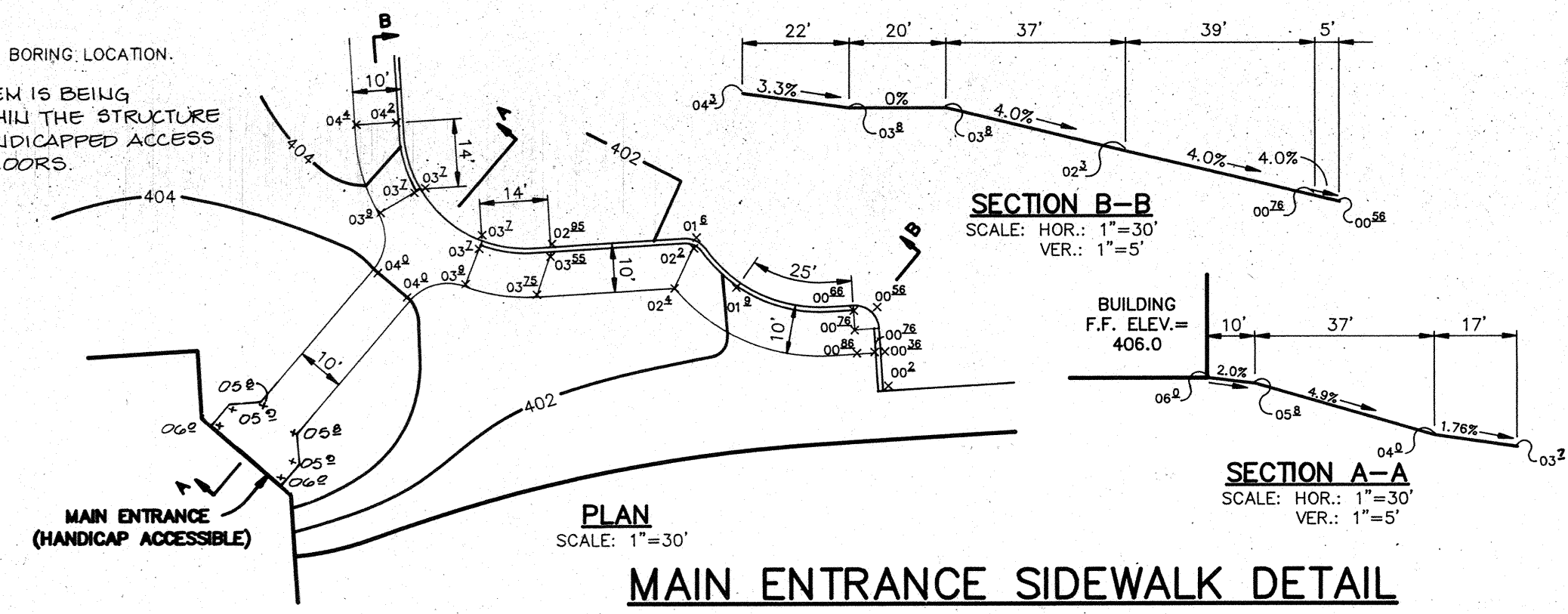
MD. GRID NORTH



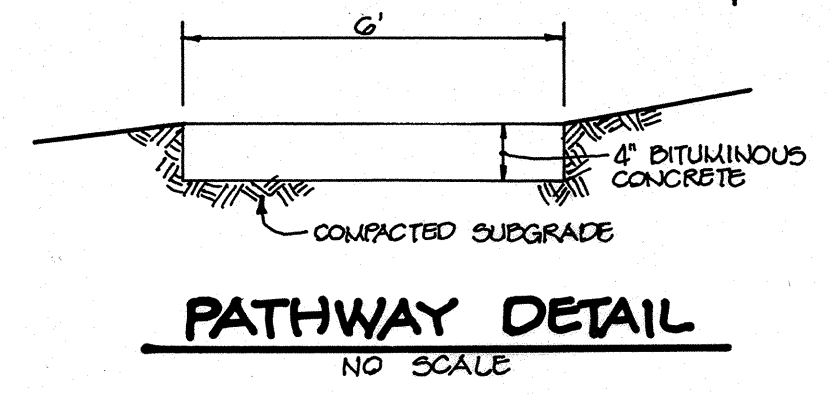
LEGEND

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- P-2 PAVING
- M.S.H.A. PAVING
- PROP. SIDEWALK
- PROPOSED LIGHT POLE SEE DETAIL SHEET 4
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 - * DENOTES TRANSITION FROM STANDARD TO REVERSE CURB AND GUTTER.
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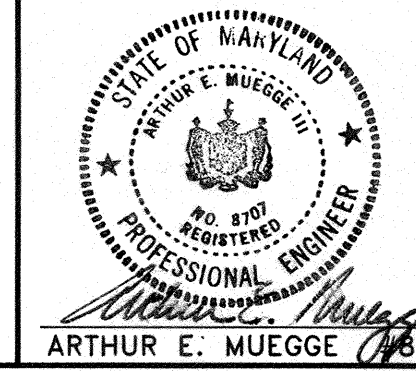


PLAN SCALE: 1"=30'



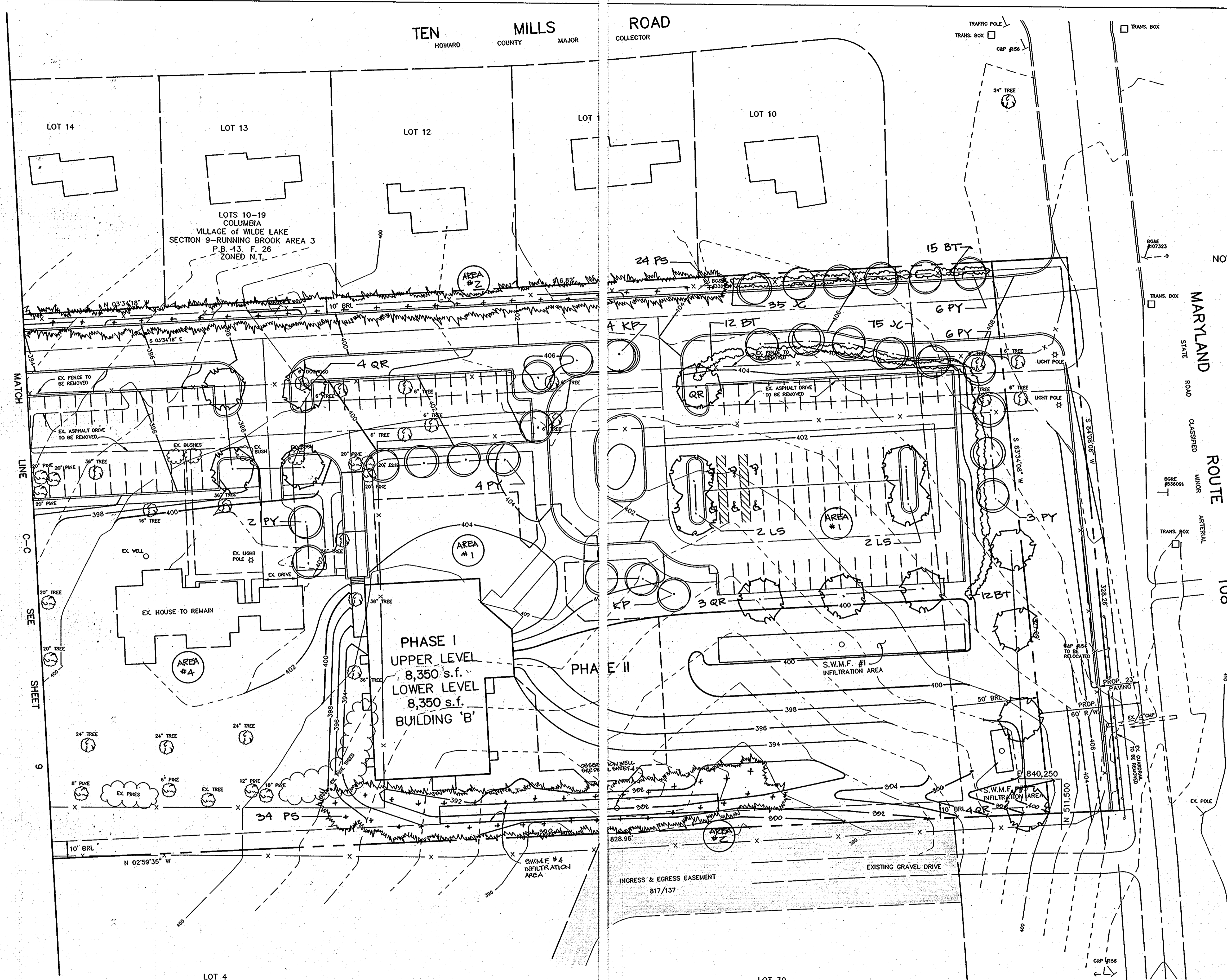
PATHWAY DETAIL NO SCALE

1-3-05	SHIFTED TRAILER #2
10-2004	PROVIDE TRAILER CLASSROOM W/DECK
07-14-04	CHANGE HC SPACE TO BE VAN ACCESSIBLE
AS BUILT CERTIFICATE	
ARTHUR E. MUEGGE #8707	DATE
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.	
<i>Joyce M. Boyd</i>	9/4/92 DATE
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>James R. Smith</i>	7/9/92 DATE
<i>Anna S. Howard</i>	7/6/92 DATE
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.	
<i>James G. Lane</i>	8/3/92 DATE
<i>James G. Lane</i>	8-3-92 DATE
01-09-01	PROVIDED TRAILER CLASSROOM
0-15-00	ADDED ASPHALT PATH & DETAIL REV. STORM DRAIN 8-1-1-1
DATE NO.	REVISION
OWNER / DEVELOPER	
COLUMBIA PRESBYTERIAN CHURCH 10001 CLARKSVILLE PIKE COLUMBIA, MARYLAND 21044	
PROJECT	
COLUMBIA PRESBYTERIAN CHURCH	
AREA	
T.M. No. 30 PARCEL 223 ZONED R-20 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND	
TITLE	
SITE DEVELOPMENT PLAN	
RIEMER MUEGGE & ASSOCIATES, INC. A Land Planning, Engineering and Consulting Firm 8818 Centre Park Drive Suite 200 Columbia, Md. 21045 410-997-8900 FAX: 410-997-9282	
3-13-92 DATE	BA 90-34E BA 86-45E
DESIGNED BY: CB	
DRAWN BY: CB	
PROJECT NO: 69702	
DATE: MARCH 13, 1992	
SCALE: AS SHOWN	
DRAWING NO. 2 OF 9	



TEN MILLS ROAD
HOWARD COUNTY MAJOR COLLECTOR

MD. GRID NORTH



NOTE: SEE SHEET 9 FOR PLANT LIST AND DETAILS

E 840,000
N 510,750

E 840,250
N 510,750

MATCH LINE C-C SEE SHEET 9

MARYLAND STATE ROAD CLASSIFIED MINOR ROUTE 108

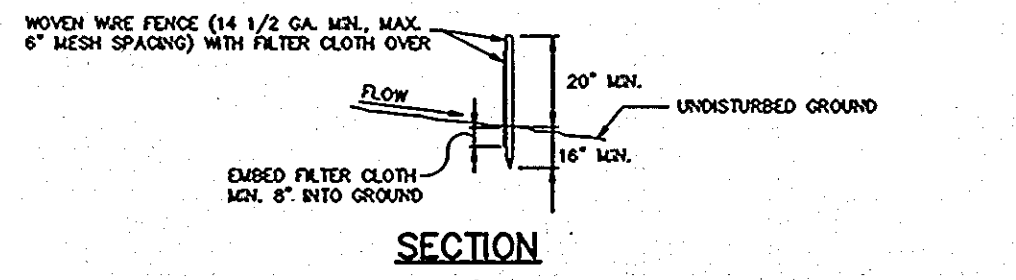
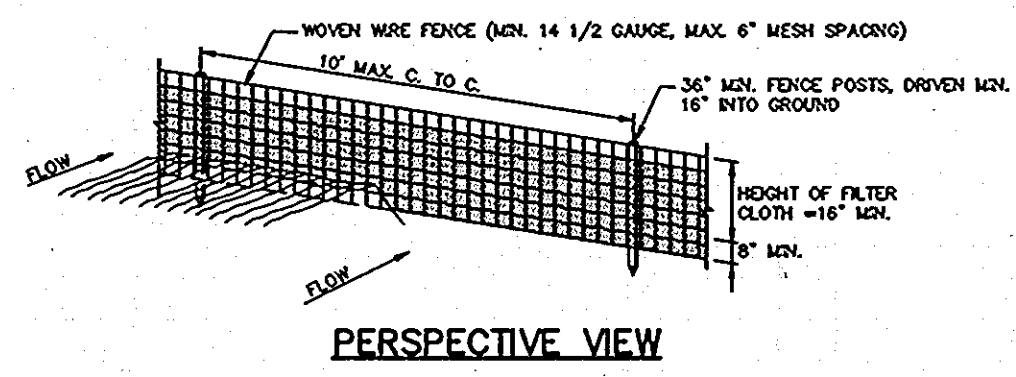
PLAN
SCALE: 1"=30'

LOT 4
COLUMBIA
MERCER TRACT
P.B. 25 F. 28
ZONED N.T.

LOT 30
COLUMBIA TOWN CENTER
SECTION 9 AREA 1
PLAT CMP 4206
ZONED N.T.

AS BUILT CERTIFICATE	
ARTHUR E. MUEGGE #8707	DATE
APPROVED : FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.	
<i>Joyce M. Borden</i>	9/4/92
COUNTY HEALTH OFFICER	DATE
APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>James R. Smith</i>	9/9/92
DIRECTOR	DATE
<i>Patricia Holomath</i>	9/8/92
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT	DATE
APPROVED : FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.	
<i>James J. ...</i>	9/31/92
DIRECTOR	DATE
<i>...</i>	...
CHIEF, BUREAU OF ENGINEERING	DATE
DATE NO.	REVISION
OWNER / DEVELOPER	
COLUMBIA PRESBYTERIAN CHURCH 1001 CLARKSVILLE PIKE COLUMBIA, MARYLAND 21044	
PROJECT	
COLUMBIA PRESBYTERIAN CHURCH	
AREA	
T.M. No. 30 PARCEL 223 ZONED R-20 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND	
TITLE	
LANDSCAPE PLAN & ENVIRONMENTAL ANALYSIS	
RIEMER MUEGGE & ASSOCIATES, INC. A Land Planning, Engineering and Consulting Firm 8818 Centre Park Drive Suite 200 Columbia, Md. 21045 410-997-8900 FAX : 410-997-9282	
<i>6-25-92</i>	DATE
	DESIGNED BY :
	DRAWN BY: CB
	PROJECT NO : 69702
	DATE : MARCH 13, 1992
	SCALE : AS SHOWN
	DRAWING NO. 8 OF 9

SPR-92-03

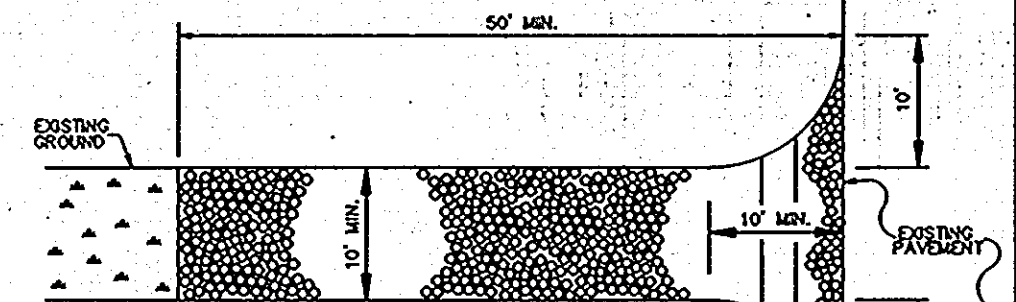
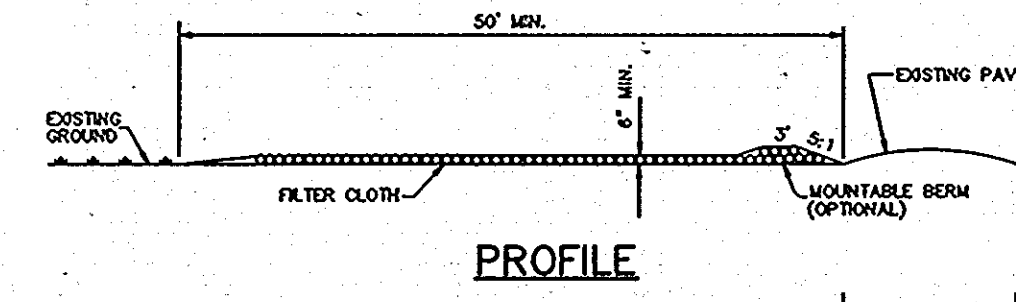


CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

- 1. Woven wire fence to be fastened securely to fence posts with wire ties or staples.
- 2. Filter cloth to be fastened securely to woven wire fence with ties spaced every 24\"/>
- 3. When two sections of filter cloth overlap each other they shall be overlapped by six inches and stapled.
- 4. Maintenance shall be performed as needed and material removed when "balding" develops in the silt fence.

SILT FENCE DETAIL

NO SCALE

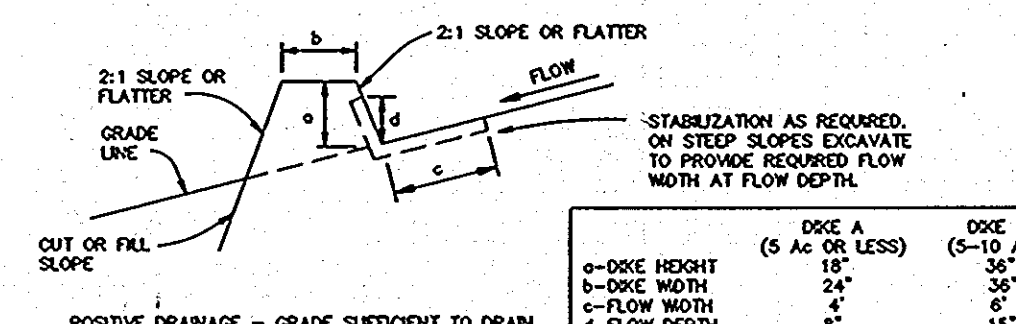


CONSTRUCTION SPECIFICATIONS

- 1. Stone Size - Use 2\"/>
- 2. Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum width apply).
- 3. Thickness - Not less than six (6) inches.
- 4. Width - Ten (10) feet minimum, but not less than the full width of points where ingress and egress occurs.
- 5. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter cloth will not be required on a single family residence lot.
- 6. Surface Water - All surface water flowing or diverted toward construction entrance shall be placed across the entrance. If piping is introduced, a mountable berm with 5:1 slopes will be permitted.
- 7. 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 on conditions demand and repair and/or placement of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
- 8. Working - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When working is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
- 9. Periodic inspection and needed maintenance shall be provided after each rain.

STABILIZED CONSTRUCTION ENTRANCE

NO SCALE



CONSTRUCTION SPECIFICATIONS

- 1. ALL DOKES SHALL BE COMPLETED BY EARTH-MOVING EQUIPMENT.
- 2. ALL DOKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
- 3. TOP WIDTH MAY BE WIDER AND SIDE SLOPES MAY BE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
- 4. FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SLOPE OUTLET.
- 5. EARTH DOKES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION. RUNOFF SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE SUCH AS A SEDIMENT TRAP OR SEDIMENT BASIN WHERE EITHER THE DOK CHANNEL OR THE DRAINAGE AREA ABOVE THE DOK ARE NOT ADEQUATELY STABILIZED.
- 6. STABILIZATION SHALL BE: (A) IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND STRAW MULCH OR STRAW MULCH IF NOT IN SPECIFIED SEASONS; (B) FLOW CHANNEL STABILIZATION AS PER THE CHART BELOW.

FLOW CHANNEL STABILIZATION

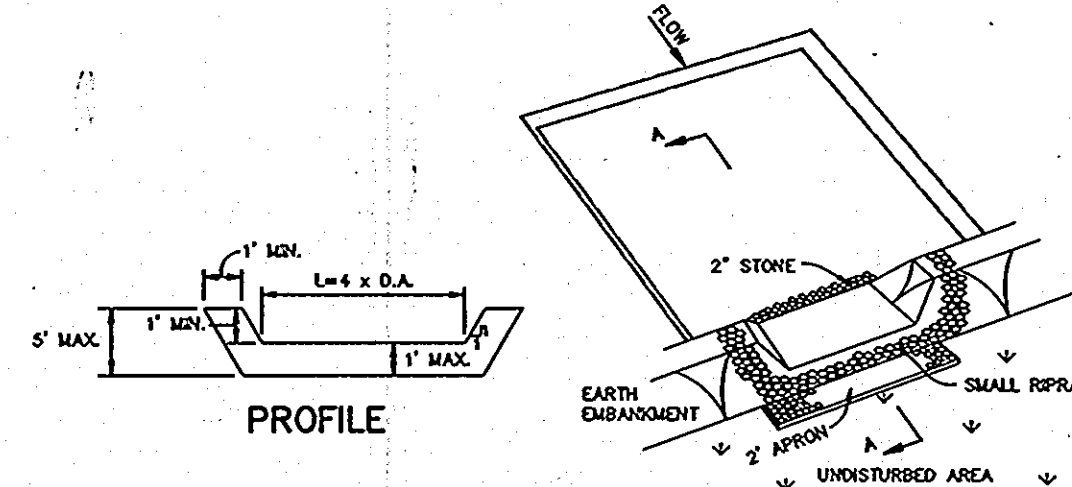
TYPE OF TREATMENT	CHANNEL GRADE	DOK A	DOK B
1	0.5-3.0%	SEED & STRAW MULCH	SEED & STRAW MULCH
2	3.1-5.0%	SEED & STRAW MULCH	SEED USING JUTE OR EXCELLENCE 2\"/>
3	5.1-8.0%	SEED WITH JUTE OR SOO 2\"/>	LINED RIPRAP 4-8\"/>
4	8.1-20%	LINED RIPRAP 4-8\"/>	ENGINEERED DESIGN

- A. STONE TO BE 2 INCH STONE, OR RECYCLED CONCRETE EQUIVALENT, IN A LAYER AT LEAST 3 INCHES IN THICKNESS AND BE PRESSED INTO THE SOIL WITH CONSTRUCTION EQUIPMENT.
- B. RIPRAP TO BE 4-8 INCHES IN A LAYER AT LEAST 8 INCHES THICKNESS AND PRESSED INTO THE SOIL.
- C. APPROVED EQUIVALENTS CAN BE SUBSTITUTED FOR ANY OF THE ABOVE MATERIALS.

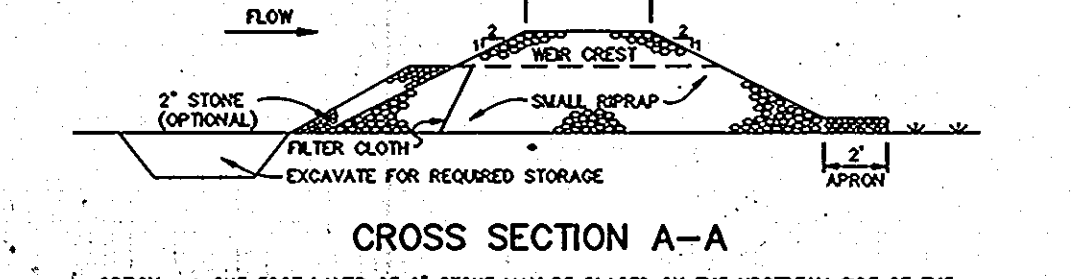
EARTH DIKE

NO SCALE

- 2. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.



CROSS SECTION A-A



CONSTRUCTION SPECIFICATIONS

- 1. AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED AND STRIPPED OF ANY VEGETATION AND MAT. THE POOL AREA SHALL BE CLEARED.
- 2. THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS AND OTHER WOODY VEGETATION AS WELL AS OVER-SIZED STONES, ROCKS, ORGANIC MATERIAL OR OTHER OBSTRUCTIVE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVELING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED.
- 3. ALL CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER.
- 4. THE STONE USED IN THE OUTLET SHALL BE SMALL RIPRAP 4\"/>
- 5. SEDIMENT SHALL BE REMOVED AND TRAP RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2 THE DESIGN DEPTH OF THE TRAP.
- 6. THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
- 7. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION IS MINIMIZED.
- 8. THE STRUCTURE SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

STONE OUTLET SEDIMENT TRAP

NO SCALE

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 (892-2437).
- 2. All vegetative and structural practices are to be installed in accordance with the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL AND EROSION CONTROL.
- 3. Following initial soil disturbance or redistribution, 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 as to other disturbed or graded areas on the project site.
- 4. All sediment traps/basins shown 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 the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL AND EROSION CONTROL for permanent seedings (Sec. 51), sod (Sec. 54), temporary seedings (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seedings does 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.

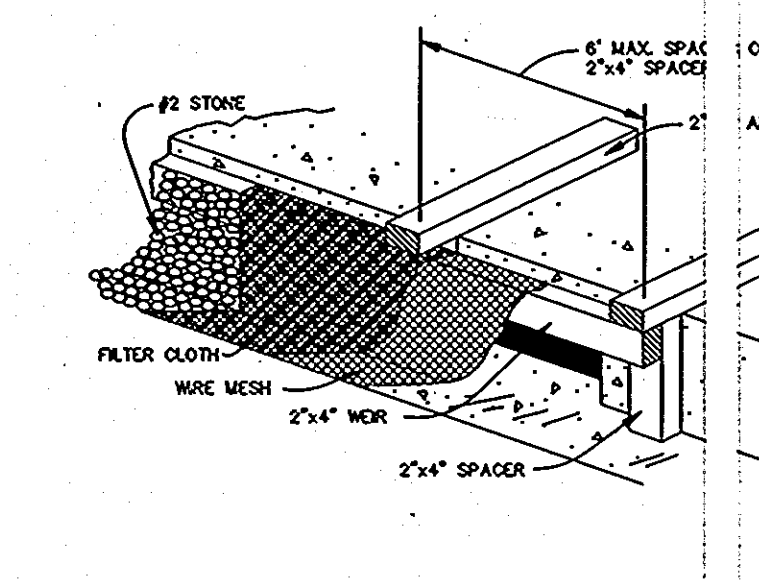
7. Site Analysis :

Total Area of Submission	6.80 acres
Area Disturbed	6.10 acres
Area to be roofed or paved	2.29 acres
Area to be vegetatively stabilized	4.51 acres
Total Cut	8998 cu.yds.
Total Fill	2554 cu.yds.

- 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 are in a functioning condition.
- 11. Sediment will be removed from traps when its depth reaches clean out elevation shown on the plans.
- 12. Cut and fill quantities provided under site analysis do not represent bid quantities. These quantities do not distinguish between topsoil, structural fill or embankment material, nor do they reflect consideration of undercutting or removal of unsuitable material. The contractor shall familiarize himself with site conditions which may affect the work.

SEQUENCE OF CONSTRUCTION

- 1. OBTAIN A GRADING PERMIT AND ALL NECESSARY PERMITS BEFORE BEGINNING ANY CONSTRUCTION.
- 2. INSTALL STABILIZED CONSTRUCTION ENTRANCE, SILT FENCE, TRAPS AND EARTH DIKES.
- 3. ROUGH GRADE SITE.
- 4. BRING SITE TO SUBGRADE AND BEGIN BUILDING CONSTRUCTION.
- 5. INSTALL WATER AND SEWER LINES.
- 6. INSTALL STORM DRAIN SYSTEM FROM E-1 TO 1-1.
- 7. INSTALL CURB & GUTTER AND PAVING, INCLUDING ROUTE 108 ROAD WIDENING, AND STABILIZE ALL AREAS IN ACCORDANCE WITH PERMANENT SEEDING NOTES.
- 8. UPON APPROVAL OF THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR, REMOVE TRAPS #1 AND #2, AND CONSTRUCT STORMWATER MANAGEMENT FACILITIES #1, #2, #3 AND #4.
- 9. 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.

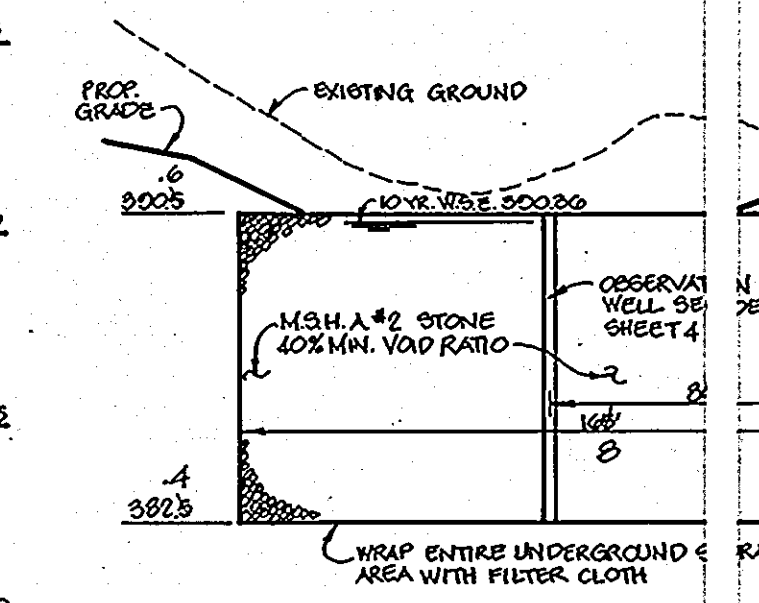


CONSTRUCTION SPECIFICATIONS

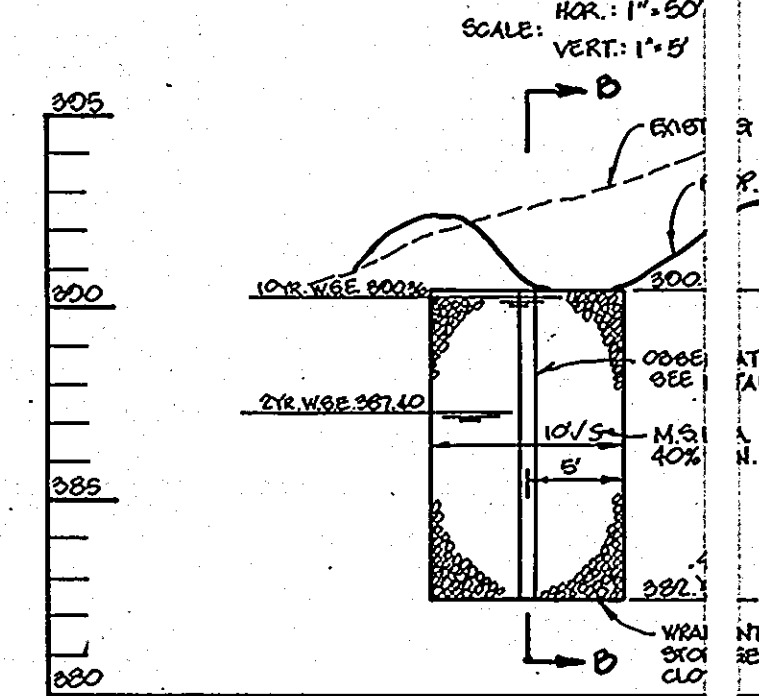
- A. WOODEN FRAME IS TO BE CONSTRUCTED OF 2\"/>
- B. WIRE MESH MUST BE OF SUFFICIENT STRENGTH TO SUPPORT FILTER CLOTH WITH WATER FULLY IMPROVED AGAINST IT.
- C. FILTER CLOTH MUST BE OF A TYPE APPROVED FOR THIS PURPOSE TO STANDSTILL WITH A SEVE SIZE, EOS 40-85, TO ALLOW SUFFICIENT PASSAGE OF WATER AND REMOVAL OF SEDIMENT.
- D. STONE IS TO BE 2\"/>
- E. PROTECTIVE COVER SHALL BE INSTALLED.
- F. ATTACH A CONTINUOUS PIECE OF WIRE MESH (30\"/>
- G. PLACE A PIECE OF APPROVED FILTER CLOTH (40-85 SEIVE) OF THE DIMENSIONS AS THE WIRE MESH OVER THE WIRE MESH AND SECURE TO THE 2\"/>

STONE FILTER INLET PROTECTION

NO SCALE

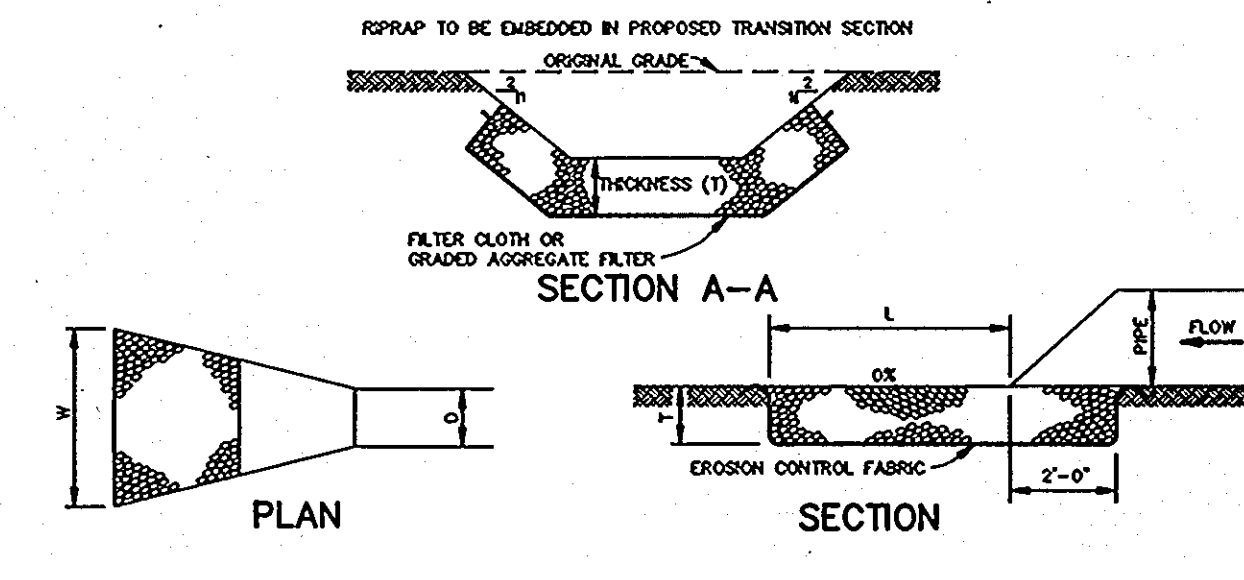
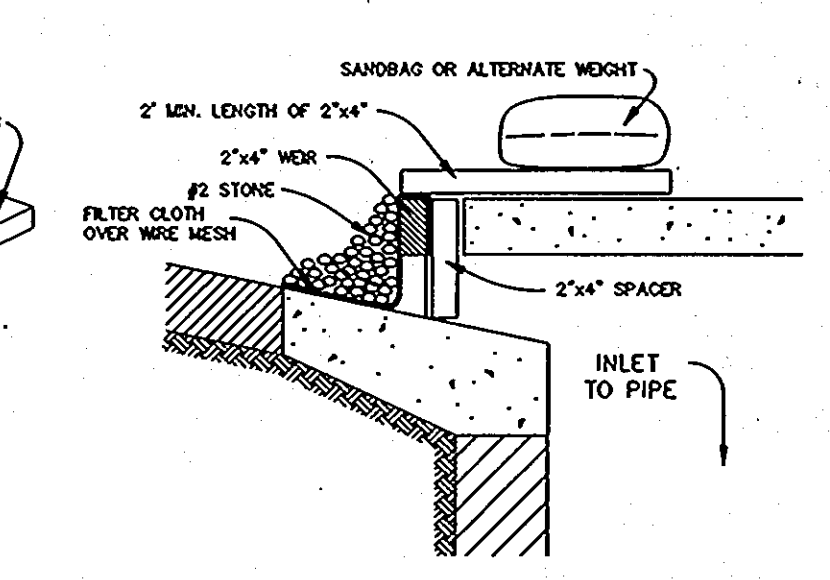


UNDERGROUND SWM FACILITY #4



UNDERGROUND SWM FACILITY #4

SCALE: HOR: 1\"/>



STRUCTURE	MINIMUM STONE SIZE	LENGTH (L)	WIDTH (W)	THICKNESS (T)
E-1	6"	13'	11.5'	9"

RIPRAP OUTLET PROTECTION DETAIL

NO SCALE

CONSTRUCTION SPECIFICATIONS

- A. WOODEN FRAME IS TO BE CONSTRUCTED OF 2\"/>
- B. WIRE MESH MUST BE OF SUFFICIENT STRENGTH TO SUPPORT FILTER CLOTH WITH WATER FULLY IMPROVED AGAINST IT.
- C. FILTER CLOTH MUST BE OF A TYPE APPROVED FOR THIS PURPOSE TO STANDSTILL WITH A SEVE SIZE, EOS 40-85, TO ALLOW SUFFICIENT PASSAGE OF WATER AND REMOVAL OF SEDIMENT.
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- G. PLACE A PIECE OF APPROVED FILTER CLOTH (40-85 SEIVE) OF THE DIMENSIONS AS THE WIRE MESH OVER THE WIRE MESH AND SECURE TO THE 2\"/>

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.

MULCHING

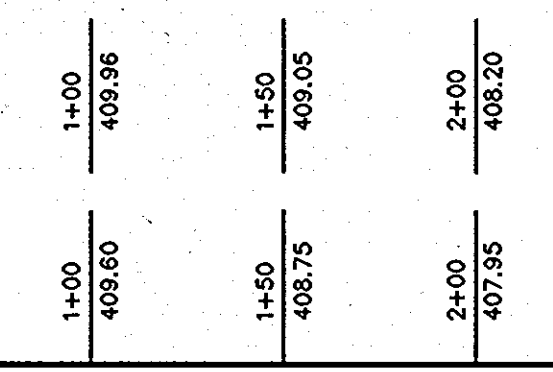
- Apply 1-1/2 to 2 tons per acre (70 to 90 lbs. per 1000 sq.ft.) of untreated small grain straw immediately after seeding.
- Anchor mulch immediately after application using mulch anchoring tool or 218 gal. per acre (5 gal. per 1000 sq.ft.) of emulsified asphalt on flat areas. On slopes, 8 ft. or higher,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

MAINTENANCE

- Inspect all seeded areas and make needed repairs, replacements and reseedings.

MARYLAND ROUTE 108

STATE ROAD CLASSIFIED MINOR ARTERIAL



PROFILE

SCALE: HOR: 1\"/>

VERT: 1\"/>

THIS IS TO CERTIFY THAT THE STORMWATER MANAGEMENT INFILTRATION FACILITIES HAVE BEEN BUILT TO THE LINES AND GRADES SHOWN HEREIN IN REP AND THAT THEY ARE SUBSTANTIALLY IN ACCORDANCE WITH THE APPROVED PLANS.



AS BUILT CERTIFICATE

ARTHUR E. MUEGGE #8707 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 ATTENDED 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.

Stephen A. Newhouse 3/12/92
DEVELOPER
PRESBYTERIAN CHURCH

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 3/13/92
ENGINEER

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

James M. Helm 7/8/92
U.S. SOIL CONSERVATION SERVICE

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

John R. Robertson 7/8/92
HOWARD SOIL CONSERVATION DISTRICT

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

James M. Boyd 9/4/92
COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

James M. Boyd 9/4/92
DIRECTOR

James M. Boyd 9/4/92
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

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

James M. Boyd 9/4/92
DIRECTOR

James M. Boyd 9/4/92
CHIEF, BUREAU OF ENGINEERING

OWNER / DEVELOPER

COLUMBIA PRESBYTERIAN CHURCH
1001 CLARKSVILLE PIKE
COLUMBIA, MARYLAND 21044

PROJECT

COLUMBIA PRESBYTERIAN CHURCH

AREA

T.M. No. 30 PARCEL 223 ZONED R-20
5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

TITLE

SEDIMENT CONTROL NOTES & DETAILS

RIEMER MUEGGE & ASSOCIATES, INC.
A Land Planning, Engineering and Consulting Firm
8818 Centre Park Drive Suite 200 Columbia, MD 21045
410-997-8900 FAX: 410-997-9282

DATE 3-13-92

BA 90-34E BA 86-45E

DESIGNED BY: CB

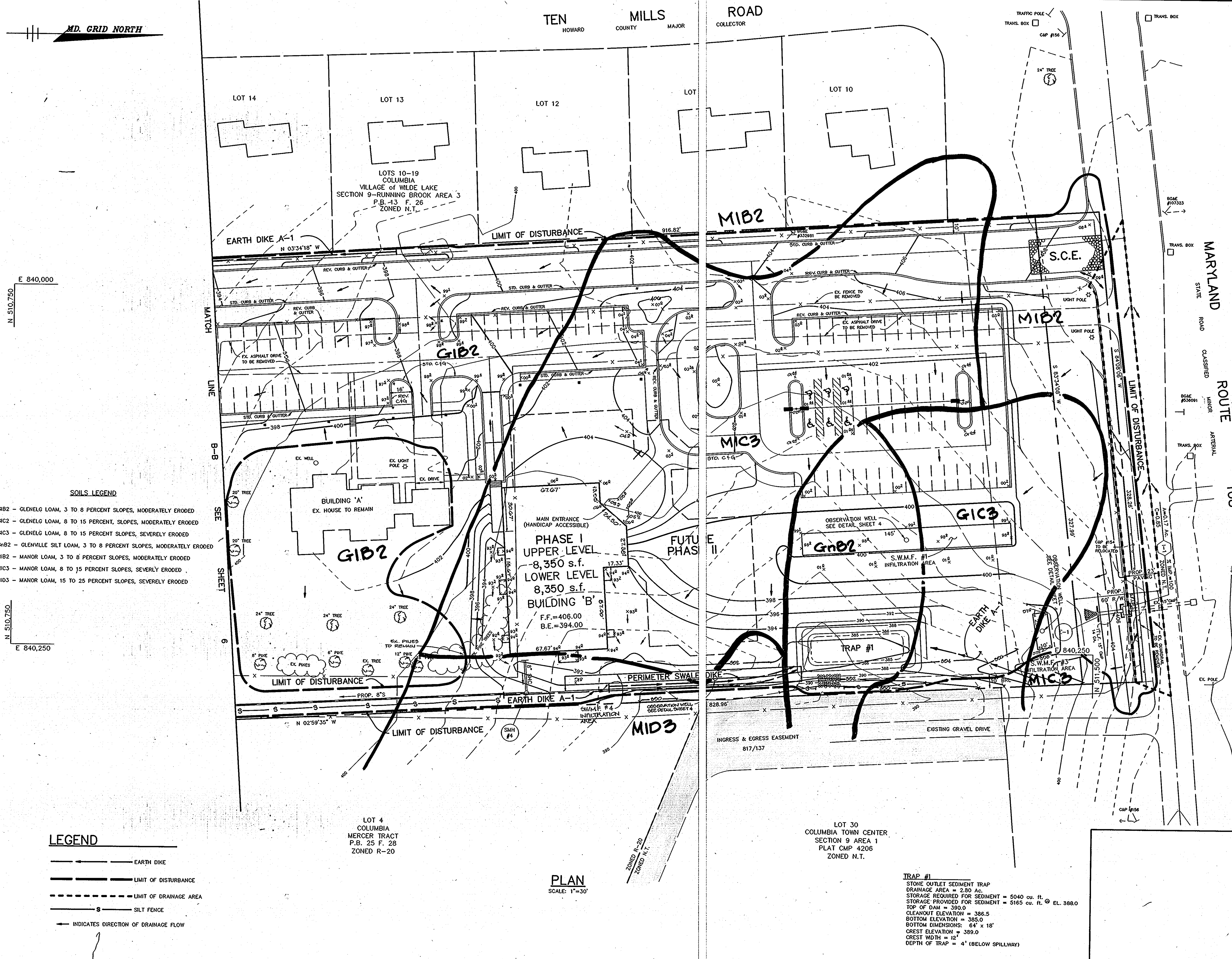
DRAWN BY: CB

PROJECT NO: 69702

DATE: MARCH 13, 1992

SCALE: AS SHOWN

DRAWING NO. 7 OF 9



AS BUILT CERTIFICATE

ARTHUR E. MUEGGE #8707 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 OF THIS 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.

Stephen A. Newkirk 3/13/92
 DEVELOPER

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 3-13-92
 ENGINEER

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

Thomas H. Hahn 7/8/92
 S. SOIL CONSERVATION SERVICE

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

John R. Robinson 7/8/92
 HOWARD SOIL CONSERVATION DISTRICT

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

James M. Boyd per *SGM* 9/4/92
 COUNTY HEALTH OFFICER

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

James M. Boyd 9/4/92
 DIRECTOR

Anna J. Holmash 9/8/92
 CHIEF, DIVISION OF COMMUNITY & PLANNING AND LAND DEVELOPMENT

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

James M. Boyd 8/21/92
 DIRECTOR

James M. Boyd 8/21/92
 CHIEF, BUREAU OF ENGINEERING

DATE	NO.	REVISION

OWNER / DEVELOPER
 COLUMBIA PRESBYTERIAN CHURCH
 10001 CLARKSVILLE PIKE
 COLUMBIA, MARYLAND 21044

PROJECT
COLUMBIA PRESBYTERIAN CHURCH

AREA
 T.M. No. 30 PARCEL 223 ZONED R-20
 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

TITLE
SEDIMENT CONTROL PLAN & DRAINAGE AREA MAP

RIEMER MUEGGE & ASSOCIATES, INC.
 A Land Planning, Engineering and Consulting Firm
 8818 Centre Park Drive Suite 200 Columbia, Md. 21045
 410-997-8900 FAX : 410-997-9282

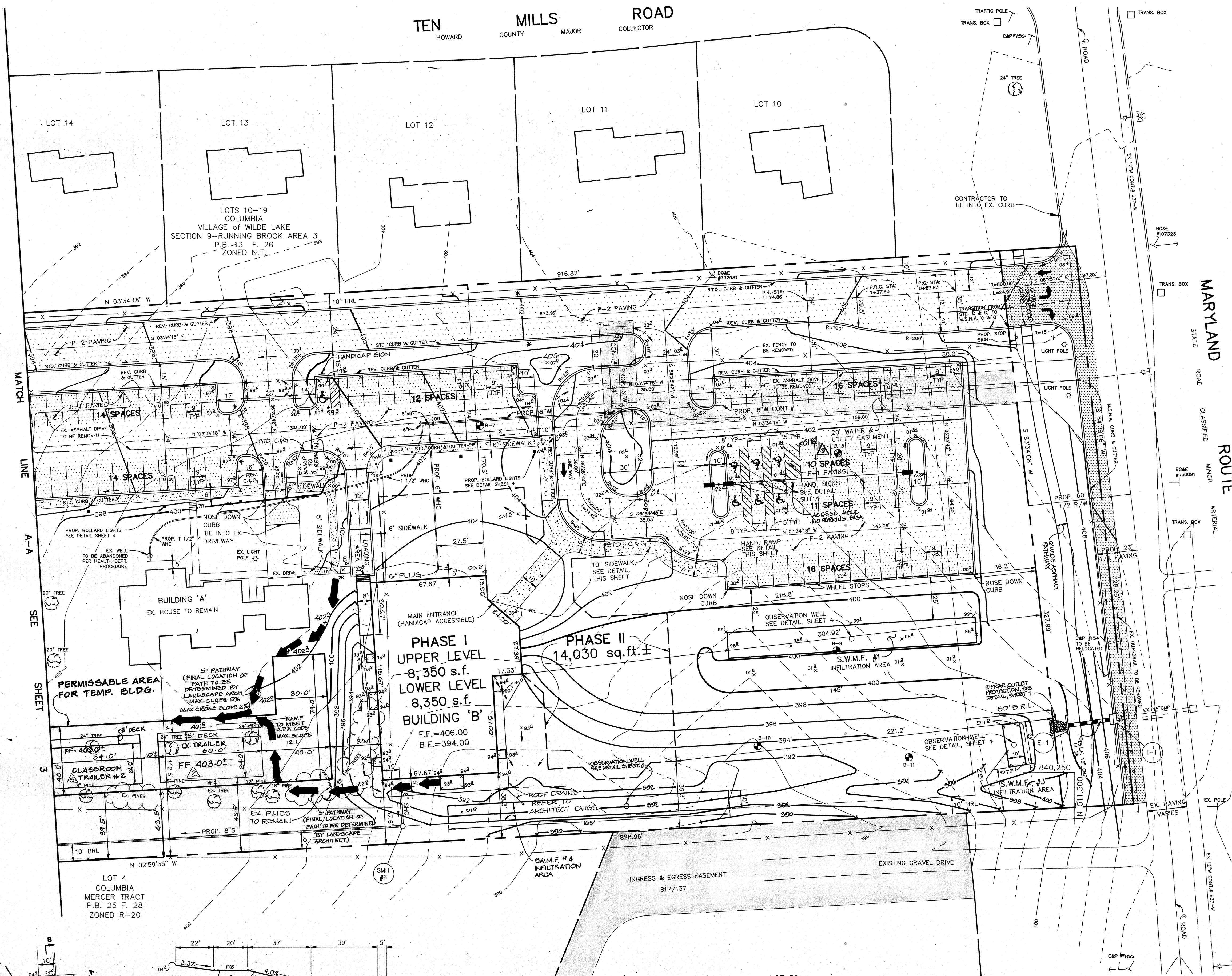
3-13-92

BA 90-34E BA 86-45E
 DESIGNED BY : CB
 DRAWN BY : CB
 PROJECT NO : 69702
 DATE : MARCH 13, 1992
 SCALE : AS SHOWN
 DRAWING NO. 5 OF 9

SDP-92-03

TEN MILLS ROAD
HOWARD COUNTY MAJOR COLLECTOR

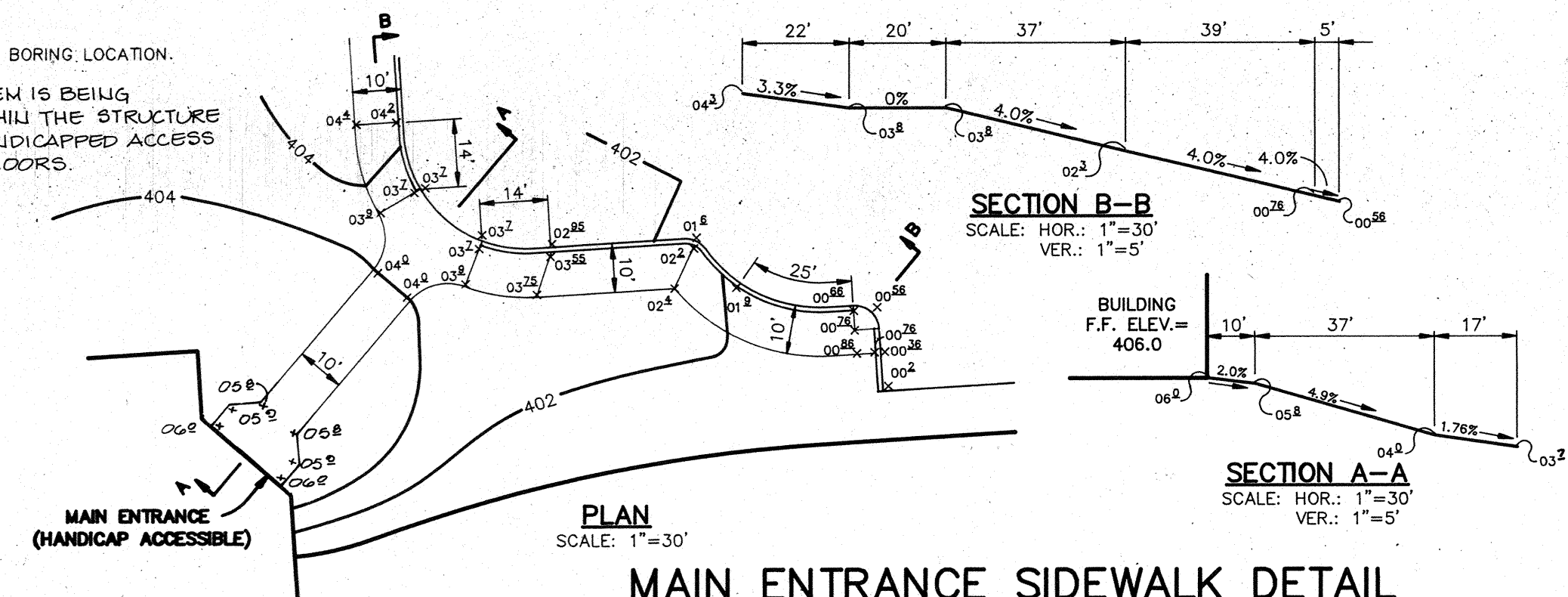
MD. GRID NORTH



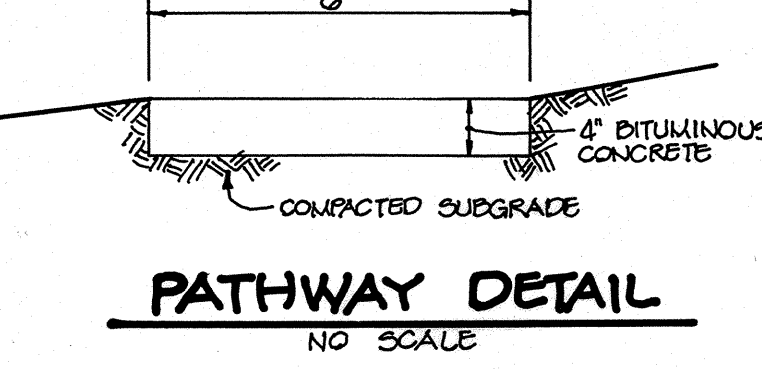
LEGEND

- P-1 PAVING
- P-2 PAVING
- M.S.H.A. PAVING
- PROP. SIDEWALK
- PROPOSED LIGHT POLE SEE DETAIL SHEET 4
- PROPOSED BOLLARD LIGHT SEE DETAIL SHEET 4

- NOTES:
1. ALL CURB RADII ARE 5' UNLESS OTHERWISE NOTED.
 2. * DENOTES TRANSITION FROM STANDARD TO REVERSE CURB AND GUTTER.
 3. ⊙ DENOTES SOIL BORING LOCATION.
 4. A LIFT SYSTEM IS BEING PROVIDED WITHIN THE STRUCTURE TO ALLOW HANDICAPPED ACCESS BETWEEN FLOORS.



PLAN
SCALE: 1"=30'



1-3-05	SHIFTED TRAILER #2
10-2004	PROVIDE TRAILER CLASSROOM W/DECK
07-14-04	CHANGE HC SPACE TO BE VAN ACCESSIBLE
AS BUILT CERTIFICATE	
ARTHUR E. MUEGGE #8707	DATE
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.	
<i>Joyce M. Boyd</i>	9/4/92
COUNTY HEALTH OFFICER	DATE
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>James R. Smith</i>	7/9/92
DIRECTOR	DATE
<i>Anna S. Howard</i>	7/6/92
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT	DATE
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.	
<i>James G. Law</i>	8/3/92
DIRECTOR	DATE
<i>James G. Law</i>	8-3-92
CHIEF, BUREAU OF ENGINEERING	DATE
01-09-01	PROVIDED TRAILER CLASSROOM
0-15-00	ADDED ASPHALT PATH & DETAIL REV. STORM DRAIN 8-1-1-1
DATE NO.	REVISION
OWNER / DEVELOPER	
COLUMBIA PRESBYTERIAN CHURCH 10001 CLARKSVILLE PIKE COLUMBIA, MARYLAND 21044	

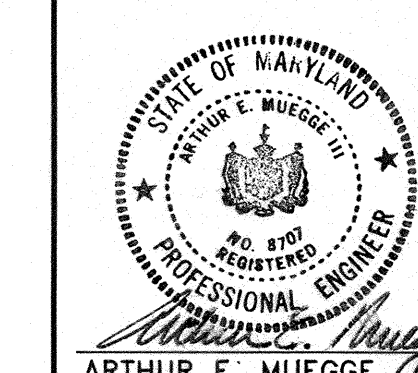
PROJECT
COLUMBIA PRESBYTERIAN CHURCH

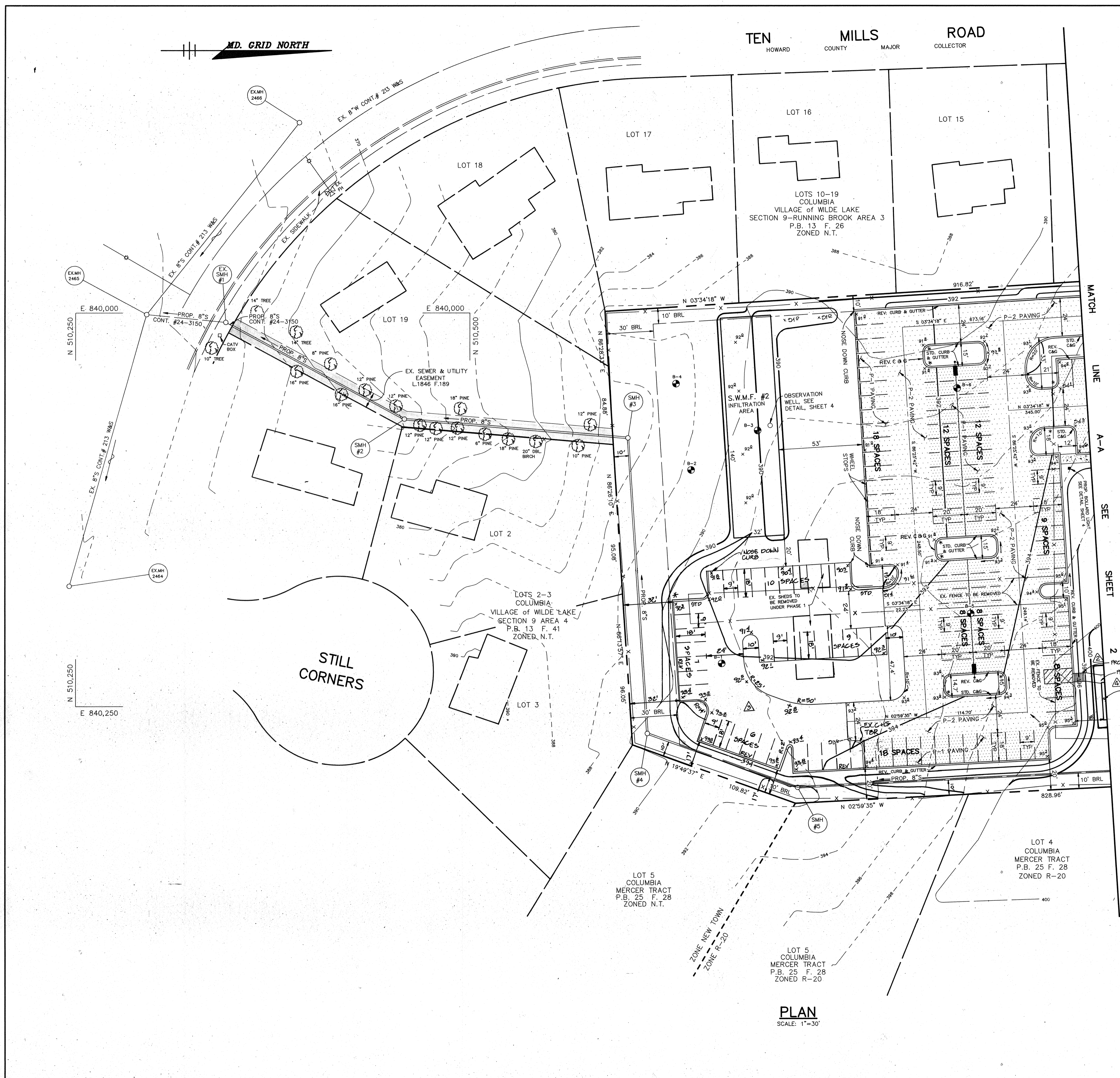
AREA
T.M. No. 30 PARCEL 223 ZONED R-20
5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

TITLE
SITE DEVELOPMENT PLAN

RIEMER MUEGGE & ASSOCIATES, INC.
A Land Planning, Engineering and Consulting Firm
8818 Centre Park Drive Suite 200 Columbia, Md. 21045
410-997-8900 FAX: 410-997-9282

3-13-92	DATE	BA 90-34E BA 86-45E
DESIGNED BY:	CB	
DRAWN BY:	CB	
PROJECT NO.:	69702	
DATE:	MARCH 13, 1992	
SCALE:	AS SHOWN	
DRAWING NO.:	2 OF 9	





- LEGEND**
- P-1 PAVING
 - P-2 PAVING
 - PROP. SIDEWALK
 - PROPOSED LIGHT POLE
SEE DETAIL SHEET 4
 - PROPOSED BOLLARD LIGHT
SEE DETAIL SHEET 4
- NOTES:**
1. ALL CURB RADII ARE 5' UNLESS OTHERWISE NOTED.
 2. * DENOTES TRANSITION FROM STANDARD TO REVERSE CURB AND GUTTER.
 3. DENOTES SOIL BORING LOCATION

PLAN
SCALE: 1"=30'

1-3-05	4	ADDED TRAILER #2 & DECK.
AS BUILT CERTIFICATE		
ARTHUR E. MUEGGE #8707		DATE
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.		
<i>Joseph M. Boyd</i> COUNTY HEALTH OFFICER		9/4/92 DATE
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.		
<i>James M. Lewis</i> DIRECTOR		9/4/92 DATE
<i>Emma H. Adams</i> CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT		9/6/92 DATE
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.		
<i>James M. Lewis</i> DIRECTOR		8/31/92 DATE
<i>William S. Reed</i> CHIEF, BUREAU OF ENGINEERING		8-31-92 DATE
07-14-01	ADDED PARKING LOT FOR PHASE II	
01-09-01	PROVIDED TRAILER CLASSROOM	
DATE NO.	REVISION	
OWNER / DEVELOPER		
COLUMBIA PRESBYTERIAN CHURCH 10001 CLARKSVILLE PIKE COLUMBIA, MARYLAND 21044		
PROJECT		
COLUMBIA PRESBYTERIAN CHURCH		
AREA		
T.M. No. 30 PARCEL 223 ZONED R-20 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND		
TITLE		
SITE DEVELOPMENT PLAN		
RIEMER MUEGGE & ASSOCIATES, INC. A Land Planning, Engineering and Consulting Firm 8818 Centre Park Drive Suite 200 Columbia, Md. 21045 410-997-8900 FAX: 410-997-9282		
3-13-92 DATE		BA 90-34E BA 86-45E
		DESIGNED BY: CB
		DRAWN BY: CB
		PROJECT NO: 69702
		DATE: MARCH 13, 1992
		SCALE: AS SHOWN
		DRAWING NO. 3 OF 9

SHEET INDEX	
NO.	DESCRIPTION
1	TITLE SHEET
2	SITE DEVELOPMENT PLAN
3	SITE DEVELOPMENT PLAN
4	PROFILES & DETAILS
5	SEDIMENT CONTROL PLAN & DRAINAGE AREA MAP
6	SEDIMENT CONTROL PLAN & DRAINAGE AREA MAP
7	SEDIMENT CONTROL NOTES & DETAILS
8	LANDSCAPE PLAN
9	LANDSCAPE PLAN

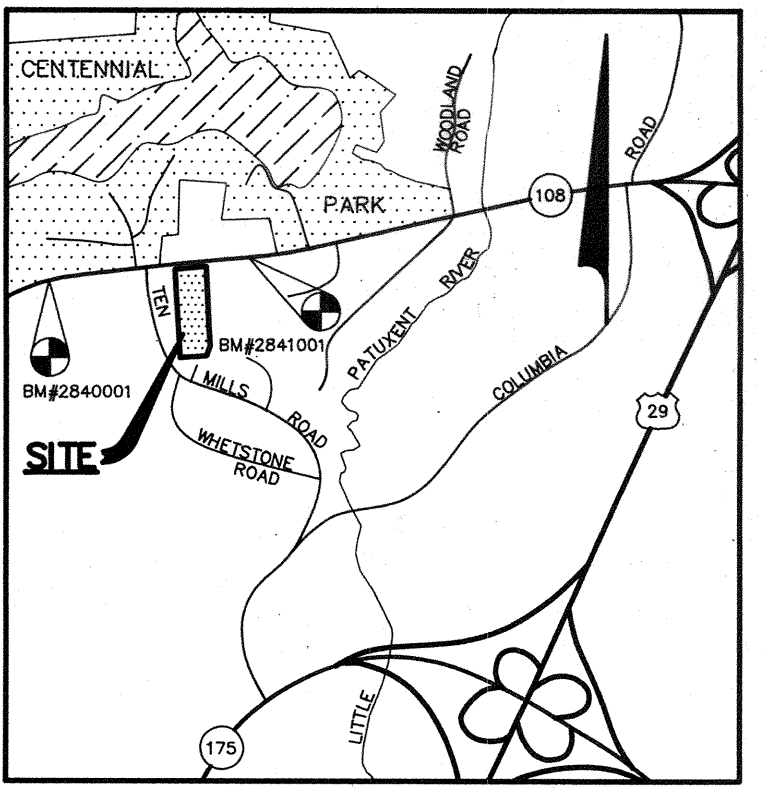
SITE DEVELOPMENT PLAN

COLUMBIA

PRESBYTERIAN CHURCH

5th ELECTION DISTRICT

HOWARD COUNTY, MARYLAND



VICINITY MAP
SCALE: 1"=2000'

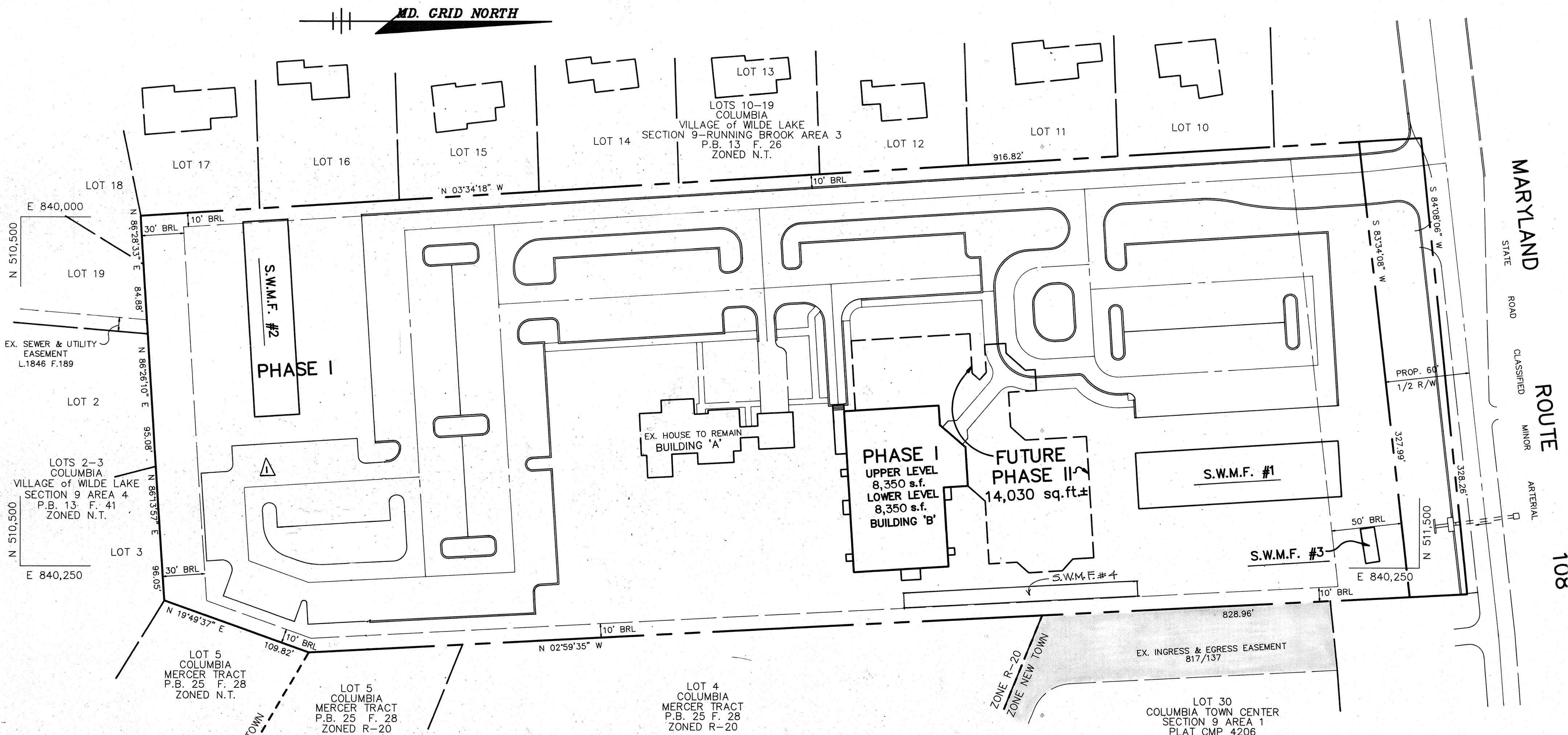
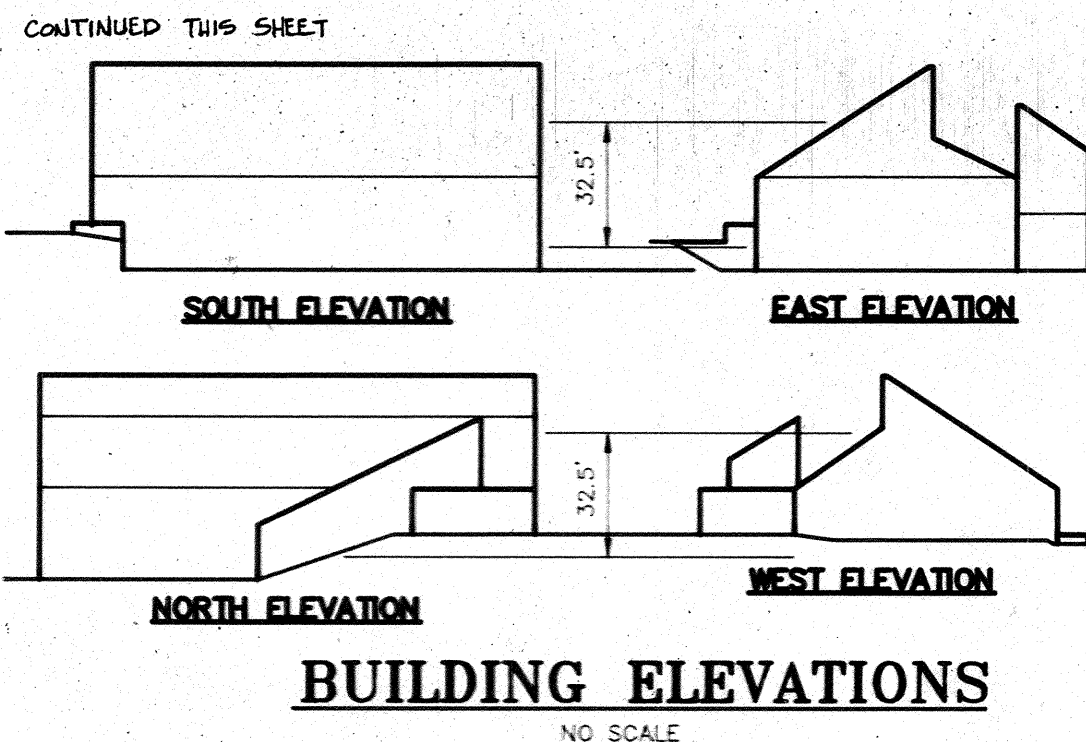
BENCH MARKS

BM# 2840001 ELEV. 433.64
CONCRETE MONUMENT 0.1' ABOVE SURFACE, NEAR FENCE LINE AND APPROXIMATELY 50'± SOUTHEAST OF C&P POLE #162. N 511,254.336; E 838,653.056.

BM# 2841001 ELEV. 409.97
CONCRETE MONUMENT 0.3' ABOVE SURFACE, 6'± NORTH OF FENCE LINE APPROXIMATELY OPPOSITE PEAK OF ROOF OF HOUSE #9928. N 511,562.807; E 840,720.436.

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, 1990 EDITIONS.
- 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 CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES AT LEAST (5) DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS TO VERIFY THEIR LOCATION AND ELEVATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF LOCATION OF UTILITIES IS OTHER THAN SHOWN.
- CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS:
 MISS UTILITY 1-800-257-7777
 C&P TELEPHONE COMPANY 725-9976
 HOWARD COUNTY BUREAU OF UTILITIES 313-4900
 AT&T CABLE LOCATION DIVISION 393-3553
 BALTIMORE GAS & ELECTRIC COMPANY 885-0123
 STATE HIGHWAY ADMINISTRATION 531-5533
 HOWARD COUNTY CONSTRUCTION/INSPECTION SURVEY DIVISION (24 HOURS NOTICE PRIOR TO COMMENCEMENT OF WORK) 792-7272
- ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT 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.
- NO PIPE SHALL BE LAID UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT TO SUBGRADE.
- TOPO TAKEN FROM FIELD RUN SURVEY DATED FEB. 1991 BY RIEMER MUEGGE AND ASSOCIATES, INC.
- ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- 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 HOWARD COUNTY DESIGN MANUAL UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR AS SHOWN ON THE DRAWINGS.
- THE DEVELOPER IS RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR RIGHTS-OF-WAY THAT MAY BE REQUIRED FOR THE SEDIMENT AND EROSION CONTROL PRACTICES, STORM WATER MANAGEMENT PRACTICES AND THE DISCHARGE OF STORM WATER ONTO OR ACROSS ADJACENT OR DOWNSTREAM PROPERTIES INCLUDED IN THIS PLAN. HE IS ALSO RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR WORK ON ADJACENT PROPERTIES INCLUDED IN THIS PLAN.
- THE OWNER SHALL PROVIDE A SEPARATE AND INDEPENDENT SEWER CONNECTION FOR EACH TENANT OR OCCUPANT OF ANY BUILDING, SHOWN ON THIS SITE DEVELOPMENT PLAN, WHO WILL DISCHARGE NON-DOMESTIC WASTE TO THE PUBLIC SEWERAGE SYSTEM IF THIS WASTE IS REGULATED UNDER SECTION 18.22A OF THE HOWARD COUNTY CODE. EACH SEPARATE AND INDEPENDENT SEWER CONNECTION SHALL INCLUDE A STANDARD MANHOLE AND OTHER WATER PRETREATMENT DEVICES AS REQUIRED AND APPROVED BY HOWARD COUNTY. WASTE LINES ON THE INTERIOR OF THE BUILDING SHALL BE DESIGNED, CONSTRUCTED OR MODIFIED SUCH THAT NON-DOMESTIC WASTE WILL BE DISCHARGED TO THE SEPARATE AND INDEPENDENT SEWER CONNECTION. NO PLAN SHALL DISCHARGE REGULATED NON-DOMESTIC WASTE TO THE PUBLIC SEWERAGE SYSTEM PRIOR TO INSTALLATION OF THE SEPARATE AND INDEPENDENT SEWER CONNECTION AND RELATED INTERIOR WASTE LINES. THE ABOVE REQUIREMENTS SHALL APPLY TO ALL INITIAL AND FUTURE OCCUPANTS OR TENANTS.
- STORMWATER MANAGEMENT FOR THIS DEVELOPMENT IS PROVIDED BY UNDERGROUND INFILTRATION FACILITIES.
- THE PAVEMENT DETAILS SHOWN ON THESE PLANS REFLECT THE HOWARD COUNTY MINIMUM STANDARD PAVEMENT SECTIONS AND ARE NOT BASED ON SITE SPECIFIC CONDITIONS. PRIOR TO PAVING, THE FINAL PAVEMENT SECTIONS SHALL BE DETERMINED BY A QUALIFIED GEOTECHNICAL ENGINEER BASED ON IN-SITU TESTING OF THE FINISHED SUBGRADE. THE TESTING AND GEOTECHNICAL ENGINEER SHALL BE FURNISHED BY THE OWNER.
- BOARD OF APPEALS CASE NO. BA-90-34E WAS A PETITION FOR A SPECIAL EXCEPTION FOR A RELIGIOUS FACILITY, AND WAS GRANTED ON OCTOBER 25, 1990. BOARD OF APPEALS CASE NO. BA-86-45E WAS A PETITION FOR A SPECIAL EXCEPTION FOR A RELIGIOUS FACILITY, AND WAS GRANTED ON MARCH 10, 1987, AND EXTENDED ON NOVEMBER 10, 1988.
- A SPRINKLER SYSTEM IS TO BE PROVIDED FOR THE PROPOSED BUILDING.



SITE TABULATION

TOTAL AREA	6.803 Ac.
EXISTING ZONING	R-20
PROPOSED USE	RELIGIOUS FACILITY INCLUDING:
	1. PHASE I BUILDING 'A':
	EXISTING HOUSE TO REMAIN RESIDENCE-2,000 SF
	EXISTING HOUSE TO REMAIN OFFICES-650 SF
	PHASE I BUILDING 'B': ONE STORY
	WITH PARTIAL BASEMENT
	GYMNASIUM UPPER LEVEL 8,350 SF
	FELLOWSHIP FACILITY LOWER LEVEL
	(CLASSROOMS) 8,350 SF
	NOTE: GYMNASIUM TO BE USED FOR FELLOWSHIP SERVICES UNTIL FUTURE SANCTUARY IS CONSTRUCTED. GYM WILL ACCOMMODATE 522 SEATS.
PARKING REQUIRED	184 SPACES
8' SPACE/3' FIXED SEATS OF MAXIMUM ASSEMBLY AREA (550 SEATS PROPOSED) PARKING REQUIRED	
AREA OF PARKING LOTS	PHASE I 184 (INCLUDES 6 HANDICAP) 60,243 SF
AREA OF LANDSCAPE ISLANDS	PHASE II 37 3690 SF (6.1% OF PARKING AREA) 187,308 SF (63.2% OF TOTAL AREA) 210 SPACES (INCL 7 HC SPACES)
OPEN SPACE PARKING PROVIDED	TOTAL 221 (INCLUDES 6 HANDICAP)

PLAN

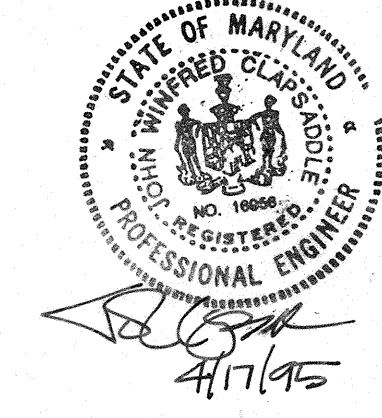
SCALE: 1"=50'

ADDRESS CHART

BUILDING	STREET ADDRESS
A	10001 CLARKSVILLE PIKE
B	10001 CLARKSVILLE PIKE

DIVISION NAME -	COLUMBIA PRESBYTERIAN CHURCH	SECT./AREA -	N/A	PARCEL -	223
PLAT # -	N/A	BLOCK # -	8	ZONING -	R-20
TAX MAP NO. -	30	ELECT. DIST. -	5th	GENUS TRACT -	0084
WATER CODE -	E01	SEWER CODE -	5680200		

THIS IS TO CERTIFY THAT THE STORMWATER MANAGEMENT INFILTRATION FACILITIES HAVE BEEN BUILT TO THE LINES AND GRADES SHOWN HEREIN IN RED AND THAT THEY ARE SUBSTANTIALLY IN ACCORDANCE WITH THE APPROVED PLANS.



AS BUILT CERTIFICATE	
ARTHUR E. MUEGGE #8707	DATE
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.	
<i>James M. Boyd</i> per <i>8/5m</i>	9/4/92
COUNTY HEALTH OFFICE	DATE
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>James M. Boyd</i>	9/9/92
DIRECTOR	DATE
<i>Anna H. Hornum</i>	9/8/92
CHIEF, DIVISION OF COMMUNITY, PLANNING AND LAND DEVELOPMENT	DATE
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.	
<i>James M. Boyd</i>	9/2/92
DIRECTOR	DATE
<i>James M. Boyd</i>	9/2/92
CHIEF, BUREAU OF ENGINEERING	DATE
1-5-05	REVISED PARKING PROVIDED
07-14-04	ADDED PARKING LOT FOR PHASE II
DATE NO.	REVISION
OWNER / DEVELOPER	
COLUMBIA PRESBYTERIAN CHURCH 10001 CLARKSVILLE PIKE COLUMBIA, MARYLAND 21044	
PROJECT	
COLUMBIA PRESBYTERIAN CHURCH	
AREA	
T.M. No. 30 PARCEL 223 ZONED R-20 5th ELECTION DISTRICT, HOWARD COUNTY, MARYLAND	
TITLE	
TITLE SHEET	
RIEMER MUEGGE & ASSOCIATES, INC.	
A Land Planning, Engineering and Consulting Firm 8818 Centre Park Drive Suite 200 Columbia, Md. 21045 410-997-8900 FAX: 410-997-9282	
3-13-92	DATE
BA 90-34E BA 86-45E	DESIGNED BY: CB
	DRAWN BY: CB
	PROJECT NO: 69702
	DATE: MARCH 13, 1992
	SCALE: AS SHOWN
	DRAWING NO. 1 OF 9