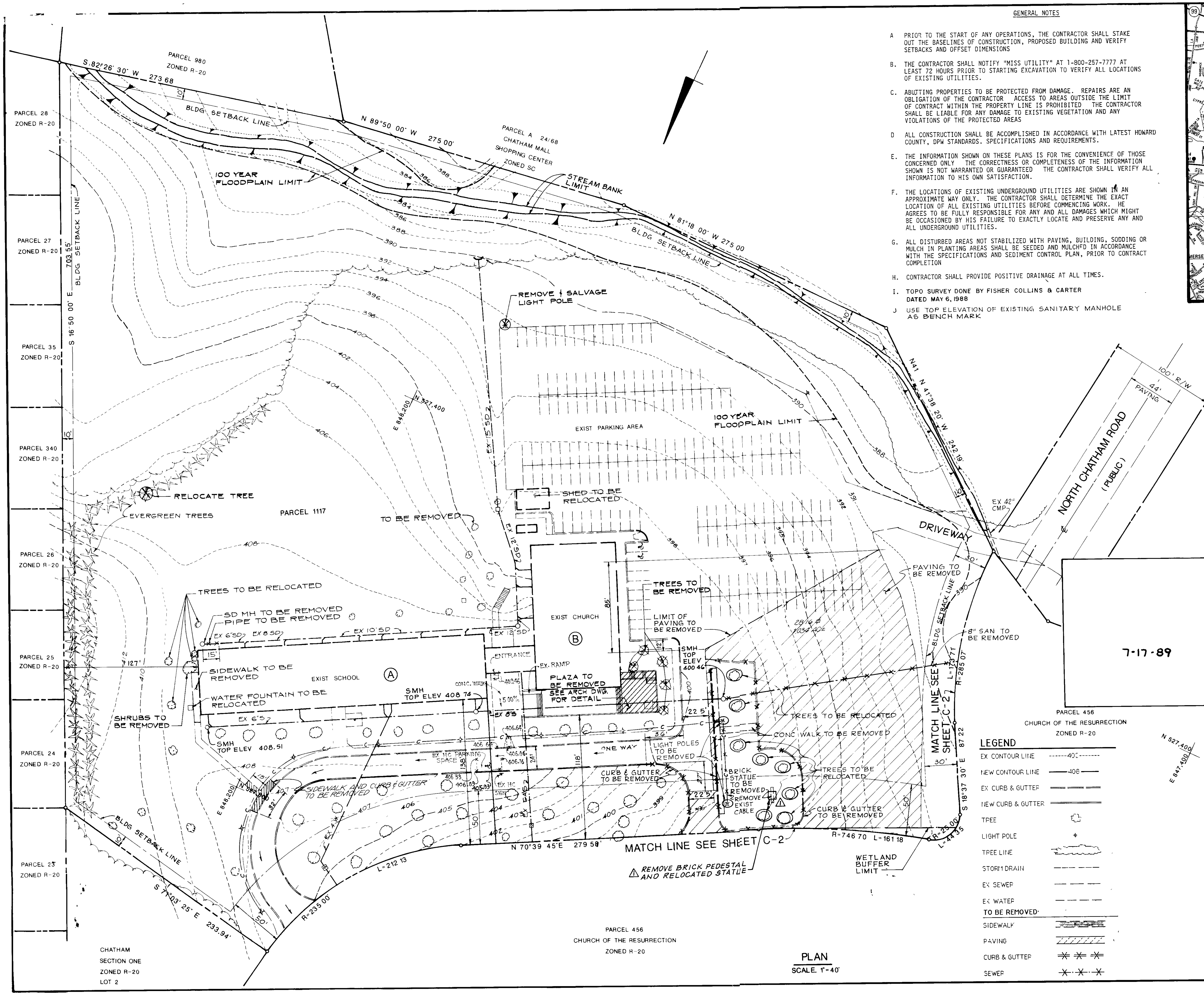


PARCEL 980
ZONED R-20
S 82°26' 30" W 273.68
BLDG SETBACK LINE
N 89°50' 00" W 275.00
PARCEL A 24/68
CHATHAM MALL
SHOPPING CENTER
ZONED SC
STREAM BANK LIMIT
100 YEAR FLOODPLAIN LIMIT
N 81°18' 00" W 275.00
BLDG SETBACK LINE
PARCEL 28
ZONED R-20
PARCEL 27
ZONED R-20
PARCEL 35
ZONED R-20
PARCEL 340
ZONED R-20
PARCEL 26
ZONED R-20
PARCEL 25
ZONED R-20
PARCEL 24
ZONED R-20
PARCEL 23
ZONED R-20
S 16°50' 00" E 703.55
BLDG SETBACK LINE
REMOVE & SALVAGE LIGHT POLE
N 527,400
E 848,200
EXIST PARKING AREA
100 YEAR FLOODPLAIN LIMIT
N 41°38' 20" W 242.19
100' R/W
44' PAVING
NORTH CHATHAM ROAD
(PUBLIC)
EX 42" CMP
DRIVEWAY
RELOCATE TREE
EVERGREEN TREES
PARCEL 1117
TO BE REMOVED
SHED TO BE RELOCATED
EX 15" SD
EX 12" SD
EXIST CHURCH
B
TREES TO BE REMOVED
LIMIT OF PAVING TO BE REMOVED
PAVING TO BE REMOVED
8" SAN TO BE REMOVED
TREES TO BE RELOCATED
SD MH TO BE REMOVED
PIPE TO BE REMOVED
EX 6" SD
EX 8" SD
EX 10" SD
SIDEWALK TO BE REMOVED
EXIST SCHOOL
A
ENTRANCE
EX. RAMP
PLAZA TO BE REMOVED
SEE ARCH DWG. FOR DETAIL
SMH TOP ELEV 400.46
WATER FOUNTAIN TO BE RELOCATED
SMH TOP ELEV 408.74
SHRUBS TO BE REMOVED
SMH TOP ELEV 408.51
EX 6" S
ONE WAY
LIGHT POLES TO BE REMOVED
CURB & GUTTER TO BE REMOVED
BRICK STATUE TO BE REMOVED
REMOVE EXIST CABLE
TREES TO BE RELOCATED
CONC WALK TO BE REMOVED
CURB & GUTTER TO BE REMOVED
SIDEWALK AND CURB & GUTTER TO BE REMOVED
MATCH LINE SEE SHEET C-2
N 70°39' 45" E 279.58
R=746.70 L=161.18
S 18°37' 30" E 87.22
L=285.07
WETLAND BUFFER LIMIT
REMOVE BRICK PEDESTAL AND RELOCATED STATUE
L=212.13
R=235.00
S 71°03' 25" E 233.94
PARCEL 456
CHURCH OF THE RESURRECTION
ZONED R-20
CHATHAM
SECTION ONE
ZONED R-20
LOT 2
N 527,400
E 847,400
7-17-89
LEGEND
EX CONTOUR LINE
NEW CONTOUR LINE
EX CURB & GUTTER
NEW CURB & GUTTER
TREE
LIGHT POLE
TREE LINE
STORM DRAIN
EX SEWER
EX WATER
TO BE REMOVED:
SIDEWALK
PAVING
CURB & GUTTER
SEWER

PLAN
SCALE: 1"=40'

GENERAL NOTES

A. PRIOR TO THE START OF ANY OPERATIONS, THE CONTRACTOR SHALL STAKE OUT THE BASELINES OF CONSTRUCTION, PROPOSED BUILDING AND VERIFY SETBACKS AND OFFSET DIMENSIONS

B. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 72 HOURS PRIOR TO STARTING EXCAVATION TO VERIFY ALL LOCATIONS OF EXISTING UTILITIES.

C. ABUTTING PROPERTIES TO BE PROTECTED FROM DAMAGE. REPAIRS ARE AN OBLIGATION OF THE CONTRACTOR. ACCESS TO AREAS OUTSIDE THE LIMIT OF CONTRACT WITHIN THE PROPERTY LINE IS PROHIBITED. THE CONTRACTOR SHALL BE LIABLE FOR ANY DAMAGE TO EXISTING VEGETATION AND ANY VIOLATIONS OF THE PROTECTED AREAS

D. ALL CONSTRUCTION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH LATEST HOWARD COUNTY, DPW STANDARDS, SPECIFICATIONS AND REQUIREMENTS.

E. THE INFORMATION SHOWN ON THESE PLANS IS FOR THE CONVENIENCE OF THOSE CONCERNED ONLY. THE CORRECTNESS OR COMPLETENESS OF THE INFORMATION SHOWN IS NOT WARRANTED OR GUARANTEED. THE CONTRACTOR SHALL VERIFY ALL INFORMATION TO HIS OWN SATISFACTION.

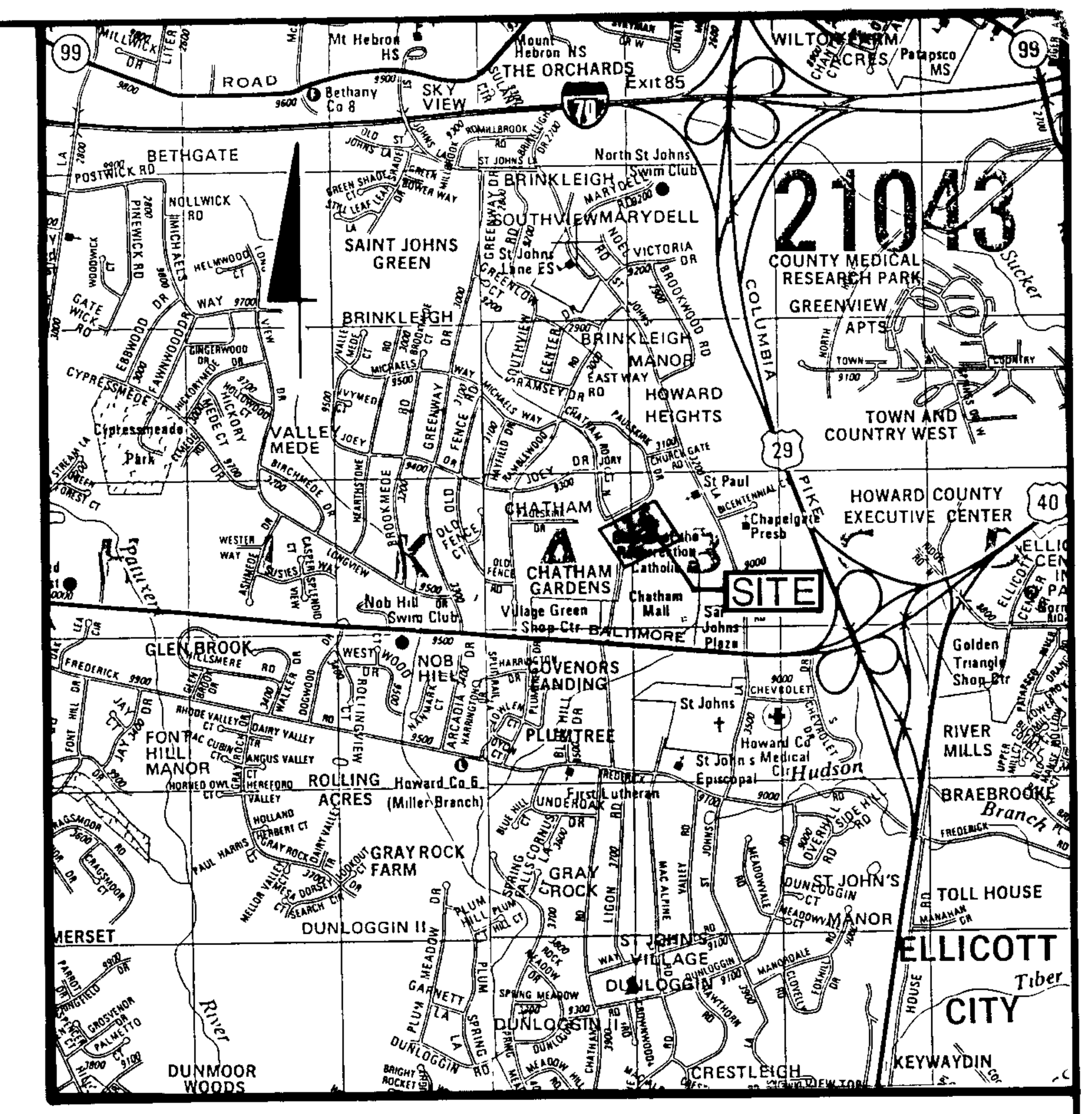
F. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

G. ALL DISTURBED AREAS NOT STABILIZED WITH PAVING, BUILDING, SODDING OR MULCH IN PLANTING AREAS SHALL BE SEEDED AND MULCHED IN ACCORDANCE WITH THE SPECIFICATIONS AND SEDIMENT CONTROL PLAN, PRIOR TO CONTRACT COMPLETION

H. CONTRACTOR SHALL PROVIDE POSITIVE DRAINAGE AT ALL TIMES.

I. TOPO SURVEY DONE BY FISHER COLLINS & CARTER DATED MAY 6, 1988

J. USE TOP ELEVATION OF EXISTING SANITARY MANHOLE AS BENCH MARK



VICINITY MAP
SCALE: 1"=2000'

NOTES
1. SCHOOL ADDITION - TO INCREASE KINDERGARTEN PUPIL TO 40 PUPILS
2. CHAPEL / OFFICE - TO ACCOMODATE THE INCREASE IN RELIGIOUS ACTIVITIES

DATE	NO	REVISION
6/7/91	1	GENERAL REVISIONS (WBCM)

ADDRESS CHART

LOT NUMBER	STREET ADDRESS
P 1117	3175 PAULSKIRK DR

SUBDIVISION NAME	SECT/AREA	LOT
CHURCH OF THE RESURRECTION	—	LOT 1 P 1117

PLAT #	BLOCK #	ZONE	TAX/ZONE MAP	ELEC DIST	CENSUS TR
3476	5	R-20	24	2ND	6022

WATER CODE	SEWER CODE
F06	1404800

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

DIRECTOR — DATE 11.22.89

CHIEF, BUREAU OF ENGINEERING — DATE 11.20

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWER SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER — DATE 11/29/89

APPROVED: HOWARD COUNTY DEPT OF PLANNING AND ZONING

DIRECTOR — DATE 12/6/89

CHIEF, DIVISION OF COMMUNITY PLANNING AND DEVELOPMENT — DATE 12/5/89

OWNER: CHURCH OF THE RESURRECTION
PAULSKIRK DRIVE & NORTH CHATHAM ROAD
ELLICOTT CITY, MARYLAND 21043
TEL. (301) 461-9111

PROJECT: SCHOOL AND CHAPEL / OFFICE BUILDING ADDITIONS

CHURCH OF THE RESURRECTION

DEMOLITION PLAN

2ND ELECTION DISTRICT — HOWARD COUNTY, MD.
TAX MAP NO 24 — PARCEL 456, 1117 & 980

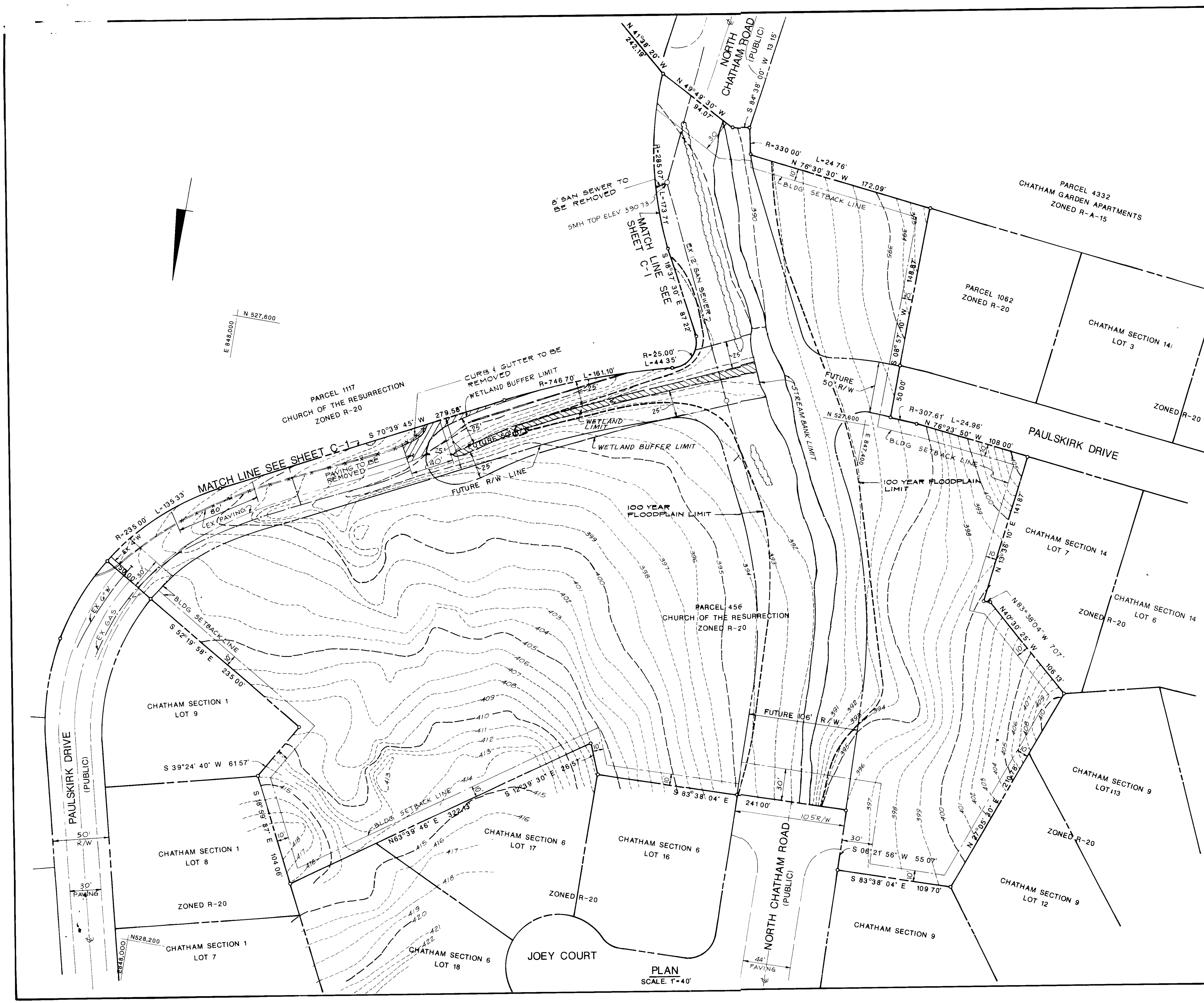
ENGINEERS: WHITNEY, BAILEY, COX & MAGNANI
CONSULTING ENGINEERS
1850 YORK ROAD
TIMONIUM, MD. 21093
(301) 252-6080

DESIGNED:	A R
DRAWN:	G.G
CHECKED:	P D
DATE:	10/13/88
SCALE:	1" = 40' JOB NO 085-097-71
DRAWING NO:	SHEET 1 OF 13
	C-1

10/21/89
DATE

AS-BUILT

SDP-89-76



NORTH CHATHAM ROAD (PUBLIC)
N 41°38' 20" W 242.19'
N 49°49' 30" W 94.07'
S 84°38' 00" W 13.15'
R-330.00' L-24.76'
N 76°30' 30" W 172.09'
BLDG SETBACK LINE
PARCEL 4332
CHATHAM GARDEN APARTMENTS
ZONED R-A-15
8" SAN SEWER TO BE REMOVED
SMH TOP ELEV 390.73
R-285.07' L-173.71'
MATCH LINE SEE SHEET C-1
EX 12" SAN SEWER
S 18°37' 30" E 87.22'
PARCEL 1062
ZONED R-20
CHATHAM SECTION 14 LOT 3
CHATHAM SECTION 14 LOT 4
N 527,600
E 848,000
R-25.00' L-44.35'
CURB & GUTTER TO BE REMOVED
WETLAND BUFFER LIMIT
R-746.70' L-161.10'
PARCEL 1117
CHURCH OF THE RESURRECTION
ZONED R-20
S 70°39' 45" W 279.58'
WETLAND LIMIT
FUTURE 50' R/W
STREAM BANK LIMIT
S 08°57' 10" W 148.87'
50.00'
R-307.61' L-24.96'
N 76°23' 50" W 108.00'
PAULSKIRK DRIVE
ZONED R-20
N 527,600
E 847,400
MATCH LINE SEE SHEET C-1
R-235.00' L-135.33'
PAVING TO BE REMOVED
EX PAVING
FUTURE R/W LINE
100 YEAR FLOODPLAIN LIMIT
CHATHAM SECTION 14 LOT 7
N 18°36' 10" E 141.87'
CHATHAM SECTION 14 LOT 6
N 83°38' 04" W 7.07'
N 40°30' 25" W 106.13'
EX 6" W
EX GAS
BLDG SETBACK LINE
S 52°19' 58" E 235.00'
PARCEL 456
CHURCH OF THE RESURRECTION
ZONED R-20
CHATHAM SECTION 1 LOT 9
PAULSKIRK DRIVE (PUBLIC)
FUTURE 106' R/W
S 39°24' 40" W 61.57'
S 12°39' 30" E 26.57'
S 83°38' 04" E 241.00'
105' R/W
CHATHAM SECTION 9 LOT 13
N 27°05' 30" E 214.78'
S 18°59' 87" E 104.06'
N 63°39' 46" E 322.13'
CHATHAM SECTION 6 LOT 17
CHATHAM SECTION 6 LOT 16
CHATHAM SECTION 1 LOT 8
50' R/W
30' PAVING
ZONED R-20
S 06°21' 56" W 55.07'
S 83°38' 04" E 109.70'
CHATHAM SECTION 9 LOT 12
N 528,200
E 848,000
CHATHAM SECTION 1 LOT 7
CHATHAM SECTION 6 LOT 18
JOEY COURT
NORTH CHATHAM ROAD (PUBLIC)
44' PAVING
CHATHAM SECTION 9
PLAN
SCALE: 1"=40'

7-17-89

DATE	NO	REVISION

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

DIRECTOR — DATE 11.22.89

CHIEF, BUREAU OF ENGINEERING — DATE 11.20.89

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

COUNTY HEALTH OFFICER — DATE 11/29/89

APPROVED HOWARD COUNTY DEPT OF PLANNING AND ZONING

DIRECTOR — DATE 12/6/89

CHIEF, DIVISION OF COMMUNITY PLANNING AND DEVELOPMENT — DATE 12/6/89

OWNER CHURCH OF THE RESURRECTION
PAULSKIRK DRIVE & NORTH CHATHAM ROAD
ELLICOTT CITY, MARYLAND 21043
TEL. (301) 461-9111

PROJECT: SCHOOL AND CHAPEL / OFFICE BUILDING ADDITIONS

CHURCH OF THE RESURRECTION
DEMOLITION PLAN

2ND ELECTION DISTRICT — HOWARD COUNTY, MD.
TAX MAP NO. 24 — PARCEL 456, 1117 & 980

ENGINEERS WHITNEY, BAILEY, COX & MAGNANI
CONSULTING ENGINEERS
1850 YORK ROAD
TIMONIUM, MD. 21093
(301) 252-6060

DESIGNED:	A R
DRAWN:	G G.
CHECKED:	P D.
DATE:	10/13/88
SCALE:	1"=40' JOB NO 085-097-71
DRAWING NO:	SHEET 2 OF 13 C-2

DATE 10/21/88

SDP-89-76

UTILITY CONSTRUCTION NOTES

U-1 FOR CONTINUATION SEE MECHANICAL DRAWING
U-2 INSTALL NEW 8" PVC PIPE
U-3 INSTALL NEW 6" CLEANOUT
U-4 INSTALL RIPRAP (d50=4", dmax=6") OVER FILTER CLOTH
U-5 INSTALL NEW 4" PVC (SANITARY SEWER). SEE MECHANICAL DRAWING FOR DETAIL
U-6 INSTALL NEW 6" CLEANOUT AND CONNECT EXISTING PIPES. TOP OF CLEANOUT TO BE FLUSHED WITH EXISTING GROUND SURFACE
U-7 INSTALL NEW SANITARY MANHOLE. RIM ELEV. 398.00 (2)
U-8 INSTALL NEW 10" PVC PIPE
U-9 INSTALL NEW 6" PVC PIPE
U-10 INSTALL NEW 2" COPPER WATER TUBING
U-11 CONNECT NEW 8" PVC PIPE TO EXISTING MANHOLE.
U-12 INSTALL NEW 6" PLUG & BUTTRESS
U-13 INSTALL NEW FIRE HYDRANT
U-14 INSTALL NEW 6" VALVE
U-15 INSTALL NEW 2" TAPPED TEE
U-16 INSTALL NEW 2" BALL VALVE
U-17 INSTALL NEW 6"x6" TEE
U-18 INSTALL NEW 6" WATER
U-19 INSTALL SALVAGED LIGHT POLE
U-20 ADJUST MANHOLE TO ELEV. 398.50 (2)

SITE NOTES

1. Area of property - 25.26 AC.
2. Public water and public sewer will be utilized.
3. Zoning - R-20.
4. Tax Map No. 24.
5. Paved Area (existing) - 3.17 AC. 12.55%
6. Green Area (existing) 20.81 AC. 82.40%
7. BA Case 87-51E
8. Floor Areas - Chapel - 4650 SF office - 4,800 - Classroom - 5,000 SF
9. Existing building coverage - 2.45% - 0.62 AC.
   Proposed building coverage - 1.31% - 0.33 AC.
   Total building coverage - 3.76% - 0.95 AC.
10. Parking Analysis:
    Parking requirement:
    Office - 1/200 SF - 4800 SF/200 SF = 24 spaces
    Church & Chapel - 900 seats - 1/3 seats = 300 spaces
    Total = 324 spaces
    Parking provided - 337 spaces (2)
11. Parking requirement for school

    For staff members:
    existing number of pupils = 240/20 = 12 spaces
    proposed additional kindergarten = 40/20 = 2 spaces
    one all purpose room = 50 seats/5 seats = 10 spaces
    Vistors parking = 5
    No loading facility = 0

    Total number of spaces = 29
12. See sheet C-11 for building profiles.
13. THE WIDENING OF THIS ENTRANCE IS CONSIDERED NECESSARY DISTURBANCE FOR PUBLIC SAFETY PER SECTION 16.116(A) OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS. (3) DUE TO THE MINOR AREA OF DISTURBANCE, A FOREST CONSERVATION OBLIGATION WILL NOT BE APPLIED TO THIS PROJECT.
14.

08/04/2021	(5)	REVISE ADDITION TO CHAPEL AND OFFICE BUILDING, ADD HANDICAP SPACE
03/09/2021	(4)	ADD ADDITION TO CHAPEL AND OFFICE BUILDING

LOD = 1,511 SF + 3,035 SF = 4,546 SF (4)
BECAUSE LOD IS LESS THAN 5,000 SF, STORMWATER MANAGEMENT IS NOT REQUIRED. IF CUMULATIVE LOD EXCEEDS 5,000 SF, STORM WATER MANAGEMENT WILL NEED TO BE ADDRESSED.

SITE LAYOUT CONSTRUCTION NOTES

C-1 INSTALL 4'x4' CONCRETE SIDEWALK. SEE DETAIL
C-2 INSTALL NEW BITUMINOUS PAVING.
C-3 INSTALL NEW CURB & GUTTER.
C-4 INSTALL NEW CONCRETE SIDEWALK.
C-5 INSTALL HANDICAPPED SIGN. SEE DETAIL.
C-6 INSTALL NEW HANDICAPPED STRIPING. SEE DETAIL.
C-7 INSTALL NEW HANDICAPPED RAMP.
C-8 INSTALL DEPRESSED CURB.
C-9 TYPICAL PARKING SPACE STRIPING. SEE HANDICAPPED STRIPING DETAIL.
C-10 INSTALL WHEEL STOPS

06/01/18	(3)	REVISED ENTRANCE AT WEST OF SITE
6/7/91	(2)	GENERAL REVISIONS (WBCM)
5/10/89		REVISED PER HOWARD CO. COMMENTS
DATE:	NO.	REVISION

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

DIRECTOR — DATE 11/22/89

CHIEF, BUREAU OF ENGINEERING — DATE 11.23.89

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWER SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER — DATE 11/29/89

APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING

DIRECTOR — DATE 12/6/89

CHIEF, DIVISION OF COMMUNITY PLANNING AND DEVELOPMENT — DATE 12/6/89

OWNER: CHURCH OF THE RESURRECTION
PAULSKIRK DRIVE & NORTH CHATHAM ROAD
ELLICOTT CITY, MARYLAND 21043
TEL. (301) 461-9111

PROJECT: SCHOOL & CHAPEL/OFFICE BUILDING ADDITIONS

CHURCH OF THE RESURRECTION
SITE PLAN & UTILITY PLAN

2ND ELECTION DISTRICT — HOWARD COUNTY, MD.
TAX MAP NO. 24 — PARCEL 456, 1117 & 999

ENGINEERS: WHITNEY, BAILEY, COX & MAGNANI
CONSULTING ENGINEERS
1850 YORK ROAD
TIMONIUM, MD. 21093
(301) 252-6060

APPROVED
DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
DATE 7-17-89

DESIGNED:	A.R.
DRAWN:	G.S.B.
CHECKED:	P.D.
DATE:	10/13/88
SCALE:	1" = 40'
DRAWING NO:	SHEET 3 OF 13 C-3

5/12/89 DATE

SDP-89-76

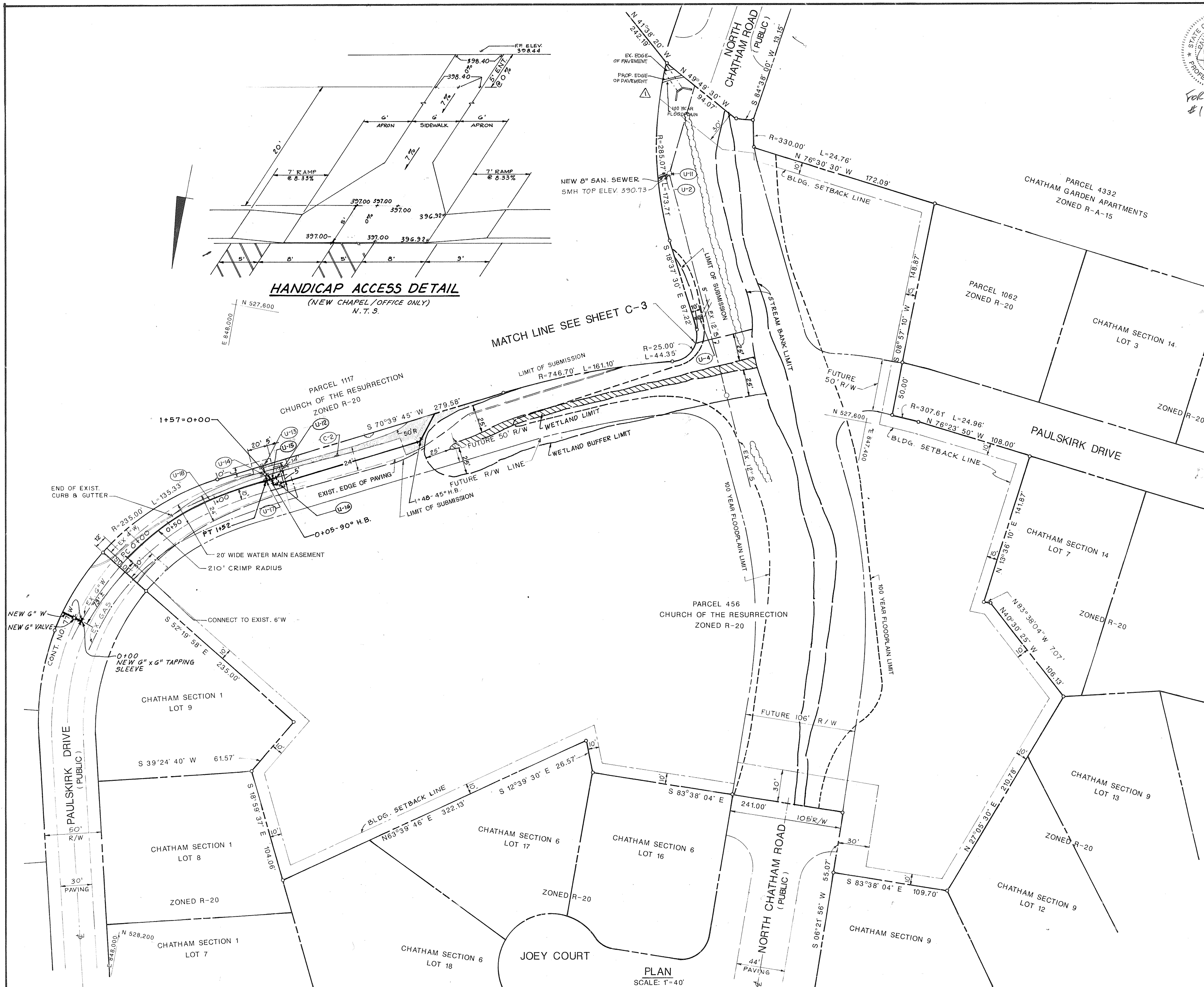
PLAN
SCALE: 1"=40'

NO.	DESCRIPTION	DATE
1	REVISE ENTRANCE AT WEST OF SITE	06/01/18

REVISIONS

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

FOR REVISION #1 ONLY



APPROVED
DIVISION of COMMUNITY PLANNING & LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
DATE 7-17-89

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

DIRECTOR	11/22/89 DATE
CHIEF, BUREAU OF ENGINEERING	11/20/89 DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWER SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER	11/29/89 DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING

DIRECTOR	12/6/89 DATE
CHIEF, DIVISION OF COMMUNITY PLANNING AND DEVELOPMENT	12/5/89 DATE

OWNER: CHURCH OF THE RESURRECTION
PAULSKIRK DRIVE & NORTH CHATHAM ROAD
ELLICOTT CITY, MARYLAND 21043
TEL. (301) 461-9111

PROJECT: SCHOOLAND CHAPEL/OFFICE BUILDING ADDITIONS

CHURCH OF THE RESURRECTION
SITE PLAN & UTILITY PLAN

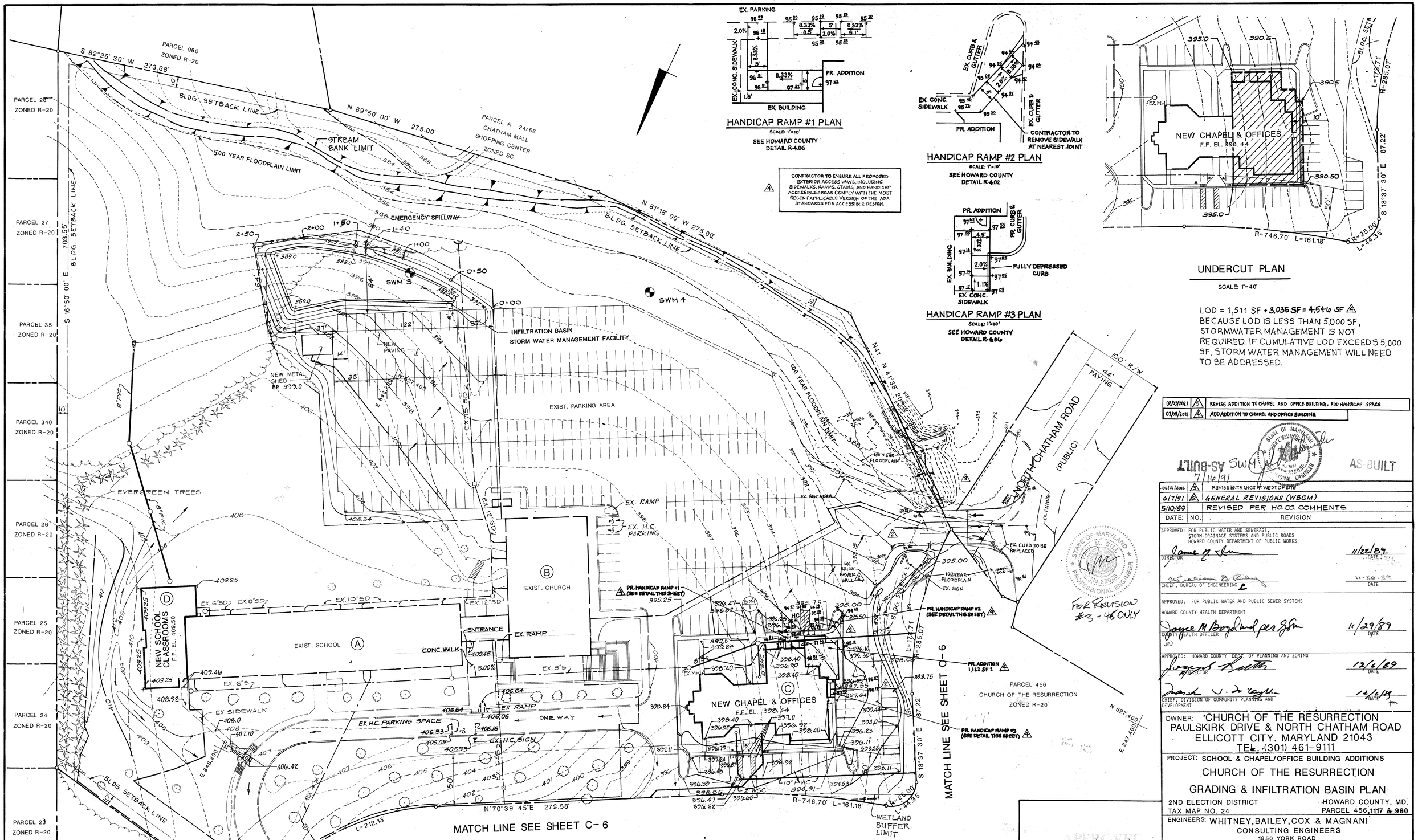
2ND ELECTION DISTRICT — HOWARD COUNTY, MD.
TAX MAP NO. 24 — PARCEL 456, 1117 & 980

ENGINEERS: WHITNEY, BAILEY, COX & MAGNANI
CONSULTING ENGINEERS
1850 YORK ROAD
TIMONIUM, MD. 21093
(301) 252-6060

STATE OF MARYLAND · PHILIP DER · REGISTERED PROFESSIONAL ENGINEER
5/12/89 DATE

DESIGNED:	A.R.
DRAWN:	GSB
CHECKED:	P.D.
DATE:	10/13/88
SCALE:	1"=40'
DRAWING NO:	SHEET 4 OF 13 C-4

SDP-89-76



HANDICAP RAMP #1 PLAN

SCALE: 1"=10'

SEE HOWARD COUNTY DETAIL R-4.06

⚠4 CONTRACTOR TO ENSURE ALL PROPOSED EXTERIOR ACCESS WAYS, INCLUDING SIDEWALKS, RAMPS, STAIRS, AND HANDICAP ACCESSIBLE AREAS COMPLY WITH THE MOST RECENT APPLICABLE VERSION OF THE ADA STANDARDS FOR ACCESSIBLE DESIGN.

HANDICAP RAMP #2 PLAN

SCALE: 1"=10'

SEE HOWARD COUNTY DETAIL R-4.02

HANDICAP RAMP #3 PLAN

SCALE: 1"=10'

SEE HOWARD COUNTY DETAIL R-4.06

UNDERCUT PLAN

SCALE: 1"=40'

LOD = 1,511 SF + 3,035 SF = 4,546 SF ⚠4
BECAUSE LOD IS LESS THAN 5,000 SF, STORMWATER MANAGEMENT IS NOT REQUIRED. IF CUMULATIVE LOD EXCEEDS 5,000 SF, STORM WATER MANAGEMENT WILL NEED TO BE ADDRESSED.

NOTE; For large scale detail of HC access to chapel/office, see C-4.
For Infiltration Basin Construction Spec. and Maintenance schedule, See C-12.

PLAN

SCALE: 1"=40'

AS-BUILT SWM 7/16/91

AS BUILT

DATE	NO.	REVISION
08/03/2021	⚠5	REVISE ADDITION TO CHAPEL AND OFFICE BUILDING, ADD HANDICAP SPACE
02/09/2021	⚠4	ADD ADDITION TO CHAPEL AND OFFICE BUILDING
06/01/2018	⚠3	REVISE ENTRANCE AT WEST OF SITE
6/7/91	⚠2	GENERAL REVISIONS (WBCM)
5/10/89		REVISED PER HO.CO. COMMENTS

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

DIRECTOR — DATE 11/22/89

CHIEF, BUREAU OF ENGINEERING — DATE 11.20.89

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWER SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER — DATE 11/29/89

APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING

DIRECTOR — DATE 12/6/89

CHIEF, DIVISION OF COMMUNITY PLANNING AND DEVELOPMENT — DATE 12/6/89

FOR REVISION #3 + 4 ONLY

APPROVED DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT HOWARD COUNTY, MARYLAND 7-17-89

OWNER: CHURCH OF THE RESURRECTION
PAULSKIRK DRIVE & NORTH CHATHAM ROAD
ELLICOTT CITY, MARYLAND 21043
TEL. (301) 461-9111

PROJECT: SCHOOL & CHAPEL/OFFICE BUILDING ADDITIONS

CHURCH OF THE RESURRECTION

GRADING & INFILTRATION BASIN PLAN

2ND ELECTION DISTRICT — HOWARD COUNTY, MD.
TAX MAP NO. 24 — PARCEL 456, 1117 & 980

ENGINEERS: WHITNEY, BAILEY, COX & MAGNANI
CONSULTING ENGINEERS
1850 YORK ROAD
TIMONIUM, MD. 21093
(301) 252-6060

DESIGNED:	A.R.
DRAWN:	GSB
CHECKED:	P.D.
DATE:	10/13/88
SCALE:	1" = 40'
DRAWING NO:	SHEET 5 OF 13 C-5

6/12/89 DATE

AS-BUILT

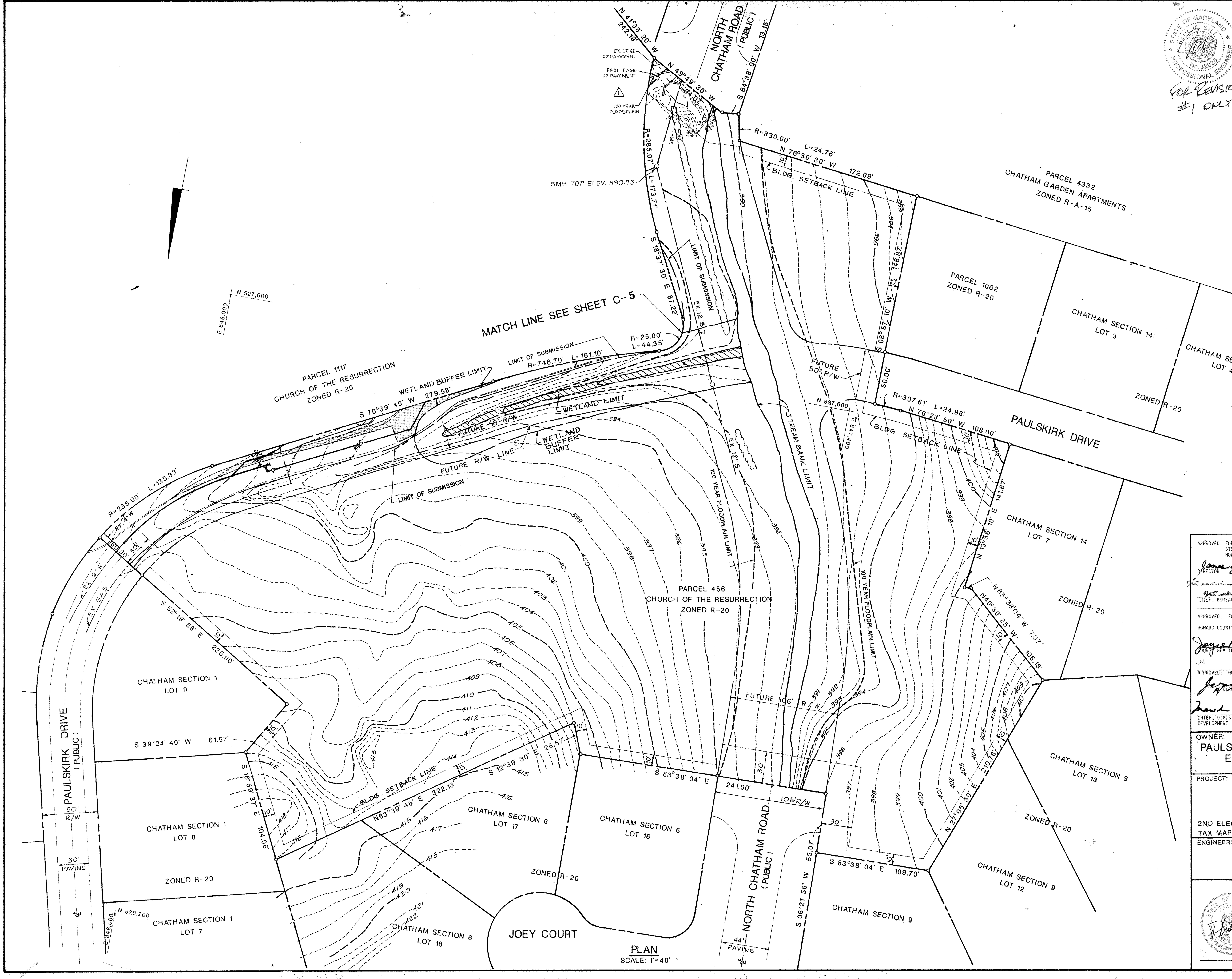
SDP-89-76

NO.	DESCRIPTION	DATE
1	REVISE ENTRANCE AT WEST OF SITE	06/01/18

REVISIONS

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

FOR REVISION #1 ONLY



APPROVED
DIVISION of COMMUNITY PLANNING & LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
DATE 7-17-89

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

DIRECTOR	11/22/89 DATE
CHIEF, BUREAU OF ENGINEERING	11-20-89 DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWER SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER	11/29/89 DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING

DIRECTOR	12/6/89 DATE
CHIEF, DIVISION OF COMMUNITY PLANNING AND DEVELOPMENT	12/6/89 DATE

OWNER: CHURCH OF THE RESURRECTION
PAULSKIRK DRIVE & NORTH CHATHAM ROAD
ELLICOTT CITY, MARYLAND 21043
TEL. (301) 461-9111

PROJECT: SCHOOLAND CHAPEL/OFFICE BUILDING ADDITIONS

CHURCH OF THE RESURRECTION
GRADING PLAN

2ND ELECTION DISTRICT — HOWARD COUNTY, MD.
TAX MAP NO. 24 — PARCEL 456, 1117 & 980

ENGINEERS: WHITNEY, BAILEY, COX & MAGNANI
CONSULTING ENGINEERS
1850 YORK ROAD
TIMONIUM, MD. 21093
(301) 252-6060

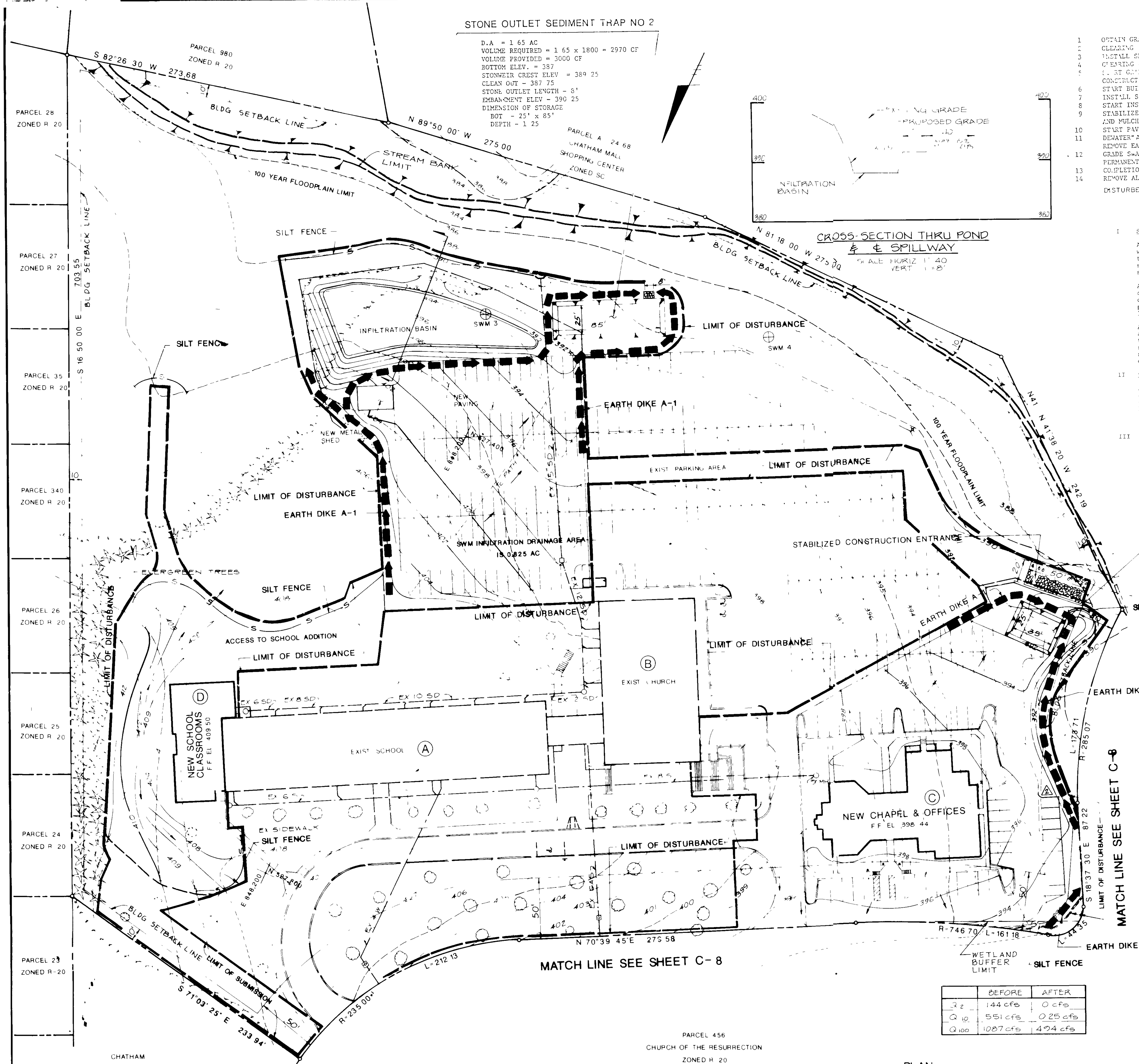
STATE OF MARYLAND · PHILIP ... · REGISTERED PROFESSIONAL ENGINEER
5/12/89 DATE

DESIGNED:	A.R.
DRAWN:	GSB
CHECKED:	P.D.
DATE:	10/13/88
SCALE:	1"=40'
DRAWING NO:	SHEET 6 OF 13 C-6

SDP-89-76

STONE OUTLET SEDIMENT TRAP NO 2

D.A = 1 65 AC
VOLUME REQUIRED = 1 65 x 1800 = 2970 CF
VOLUME PROVIDED = 3000 CF
BOTTOM ELEV. = 387
STONWEIR CREST ELEV = 389 25
CLEAN OUT - 387 75
STONE OUTLET LENGTH - 8'
EMBANKMENT ELEV - 390 25
DIMENSION OF STORAGE
BOT - 25' x 85'
DEPTH - 1 25



	BEFORE	AFTER
Q_2	144 cfs	0 cfs
Q_{10}	551 cfs	0 25 cfs
Q_{100}	1087 cfs	494 cfs

PLAN
SCALE 1"=40

AS-BUILT 7/14/91

7-17-89

SEQUENCE OF CONSTRUCTION

1 OBTAIN GRADING PERMITS
2 CLEARING AND CRUBBING FOR THE INSTALLATION OF SILT FENCE
3 INSTALL SEDIMENT CONTROL DEVICES
4 CLEARING AND GRUBBING OF SITE
5 START GRADING TO SUBGRADE AND EXCAVATION FOR BUILDING CONSTRUCTION
6 START BUILDING CONSTRUCTION
7 INSTALL SANITARY SEWER AND WATER MAIN
8 START INSTALLATION OF CURB AND GUTTER
9 STABILIZE DISTURBED AREAS NOT TO BE PAVED BY SEEDING AND MULCHING
10 START PAVING OF PARKING AREAS AND TRAVELWAY
11 DEWATER AND FILL UP TRAP #2 AND CONSTRUCT INFILTRATION BASIN AND STABILIZE
REMOVE EARTH BERM AND INSTALL SILT FENCE WHERE NEEDED
12 GRADE SWALE NORTH OF PROPOSED BUILDING AND STABILIZE BY PERMANENT SEEDING DEWATER & FILL UP TRAP #1 AND REMOVE EARTH DIKE
13 COMPLETION OF REMAINING ACTIVITIES
14 REMOVE ALL REMAINING SEDIMENT CONTROL DEVICES, AND STABILIZE DISTURBED AREAS

POND CONSTRUCTION NOTES

I SITE PREPARATION

Areas designated for borrow areas, embankment, and structural works shall be cleared, grubbed and stripped of topsoil All trees, vegetation, roots and other objectionable materials shall be removed Channel banks and sharp breaks shall be sloped to no steeper than 1 1

Areas to be covered by the pond or reservoir will be cleared of all trees, brush, logs, fences, rubbish and other objectionable materials unless otherwise designated on the plans Trees, brush and stumps shall be cut approximately level with the ground surface

All cleared and grubbed material shall be disposed of outside and below the limits of the dam and reservoir as directed by the owner or his representative When specified, a sufficient quantity of topsoil will be stockpiled in a suitable location for use on the embankment and other designated areas.

II STABILIZATION

All borrow areas shall be graded to provide proper drainage and left in a sightly condition All exposed surfaces of the embankment, spillway, spoil and borrow areas, and berms shall be stabilized by seeding, liming, fertilizing and mulching (if required) in accordance with the vegetative treatment specifications or as shown on the accompanying drawings

III EROSION AND SEDIMENT CONTROL

Construction operations will be carried out in such a manner that erosion will be controlled and water and air pollution minimized State and local laws concerning pollution abatement will be followed Construction plans shall detail erosion and sediment control measures to be employed during the construction process.

STONE OUTLET SEDIMENT TRAP NO.1

DRAINAGE AREA-100 AC
VOLUME REQUIRED-1800x1 00-1800C.F
VOLUME PROVIDED-1900C.F.
BOTTOM ELEV -388 50
STONE WEIR CREST ELEV -391 00
CLEANOUT ELEV -389 50
STONE OUTLET LENGTH-6
EMBANKMENT ELEV.-392 00
DIMENSIONS OF STORAGE
BOTTOM-25 x 35
DEPTH-2

By the Developer

"I/We certify that all development and/or construction will be done according to these plans, 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 will provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion I also authorize periodic on-site inspections by the Howard Soil Conservation District "

Signature of Developer — Date 8-22-89
Print name below signature
REV BRIAN M RAFFERTY

By the Engineer

"I certify that this plan for pond construction, erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions This plan was prepared in accordance with the requirements of the Howard Soil Conservation District I have notified the developer that he must provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion "

Signature of Engineer — Date 8/18/89
Print name below signature
PHILIP DER

These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements for small pond construction, soil erosion and sediment control

U S Soil Conservation Service — Date 9/27/89

These plans for small pond construction, soil erosion and sediment control meet the requirements of the Howard Soil Conservation District

Howard Soil Conservation District — Date 9/27/89

[illegible]

The construction of the infiltration basin shall comply with the criteria set forth in the Maryland [illegible] Specification [illegible]-Ponds dated July, 19[illegible] [illegible] subsequent revisions

[illegible] infiltration basin [illegible] begun after the [illegible] of the Earth Dike A-1 Storm drainage [illegible] directed to the infiltration basin until construction is completed and all disturbed [illegible] stabilized [illegible] shall be diverted to Stone Outlet Sediment Trap [illegible] by the Earth Dike A-1 during construction [illegible] completion of construction the Earth Dike A-1 shall be removed and [illegible] storm drainage into the infiltration basin

DATE	NO	REVISION
6/7/91	2	GENERAL REVISIONS (WBCM)
5/10 89		REVISED PER HO CO COMMENTS

APPROVED FOR PUBLIC WATER AND SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR — DATE 11 22 89
CHIEF BUREAU OF ENGINEERING — DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWER SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER — DATE 11/29/89

APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
DIRECTOR — DATE 12/6/89
CHIEF DIVISION OF COMMUNITY PLANNING AND DEVELOPMENT — DATE 12/6/89

OWNER CHURCH OF THE RESURRECTION
PAULSKIRK DRIVE & NORTH CHATHAM ROAD
ELLICOTT CITY, MARYLAND 21043
TEL. (301) 461-9111

PROJECT. SCHOOL & CHAPEL/OFFICE BUILDING ADDITIONS

CHURCH OF THE RESURRECTION
SEDIMENT CONTROL PLAN

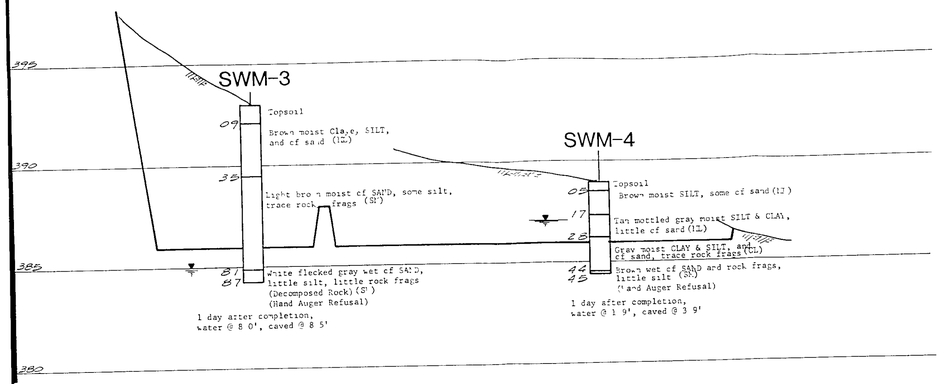
2ND ELECTION DISTRICT — HOWARD COUNTY, MD
TAX MAP NO 24 — PARCEL 456

ENGINEERS WHITNEY, BAILEY, COX & MAGNANI
CONSULTING ENGINEERS
1850 YORK ROAD
TIMONIUM, MD 21093
(301) 252-6060

DATE 8/18/89

DESIGNED:	A R
DRAWN.	GSB
CHECKED:	P D
DATE:	10/13/88
SCALE	1" = 40'
DRAWING NO:	SHEET 7 OF 13 C-7

SDP-89-76



BORING PROFILE

MATCH LINE SEE SHEET C-7

N 527,600

E 848,000

N 41 38 20 W 242 19

N 49 49 30 W 94 07

NORTH CHATHAM ROAD (PUBLIC)

S 84 38 00 W 13 15

R 330 00 L 24 76 N 76 30 30 W 172 09

BLDG SETBACK LINE

PARCEL 4332
CHATHAM GARDEN APARTMENTS
ZONED R-A 15

PARCEL 1062
ZONED R 20

CHATHAM SECTION 14
LOT 3

CHATHAM SECTION 14
LOT 4

ZONED R-20

FUTURE 50' R/W

N 08 37 10 W 148 87

R 307 61 L 24 96 N 76 23 50 W 108 00

PAULSKIRK DRIVE

BLDG SETBACK LINE

N 527,600

E 847,400

CHATHAM SECTION 14
LOT 7

ZONED R 20

N 13 36 10 E 141 87

N 83 30 24 W 210 78

N 40 30 25 W 106 13

CHATHAM SECTION 9
LOT 13

ZONED R-20

CHATHAM SECTION 9
LOT 12

CHATHAM SECTION 9

N 27 05 30 E 210 78

S 83 38 04 E 109 70

S 06 21 56 W 55 07

R 285 00 L 173 71

S 19 37 30 E 87 22

LIMIT OF DISTURBANCE

SILT FENCE

LIMIT OF SUBMISSION
EARTH DIKE A-1

STREAM BANK LIMIT

100 YEAR FLOODPLAIN LIMIT

R 25 00 L 44 35

LIMIT OF SUBMISSION R 746 70 L 161 10

PARCEL 1117
CHURCH OF THE RESURRECTION
ZONED R 20

LIMIT OF DISTURBANCE S 70 39 45 W 279 58'

SILT FENCE

WETLAND BUFFER LIMIT

WETLAND LIMIT

FUTURE R/W LINE

LIMIT OF SUBMISSION

R 235 00 L 135 33

S 52 19 58 E 235 00

PARCEL 456
CHURCH OF THE RESURRECTION
ZONED R-20

FUTURE 106 R / 391

S 83 38 04 E 241 00

JOEY N.

CHATHAM SECTION 1
LOT 9

S 39 24 40 W 61 57

S 18 59 37 E 104 06

BLDG SETBACK LINE N 63 39 46 E 322 13

S 12 39 30 E 26 57

CHATHAM SECTION 1
LOT 8

ZONED R 20

CHATHAM SECTION 1
LOT 7

N 528,200

E 848,000

CHATHAM SECTION 6
LOT 17

CHATHAM SECTION 6
LOT 16

ZONED R 20

CHATHAM SECTION 6
LOT 18

JOEY COURT

NORTH CHATHAM ROAD (PUBLIC)

PAULSKIRK DRIVE (PUBLIC)

R/W

PAVING

PLAN
SCALE 1 40

7-17-89

James M. Shaw 11.22.89

Joyce M Boyland per JMS 11/29/89

12/6/89

11/6/89

OWNER CHURCH OF THE RESURRECTION
PAULSKIRK DRIVE & NORTH CHATHAM ROAD
ELLICOTT CITY, MARYLAND 21043
TEL (301) 461-9111

PROJECT SCHOOLAND CHAPEL/OFFICE BUILDING ADDITIONS

CHURCH OF THE RESURRECTION

SEDIMENT CONTROL PLAN

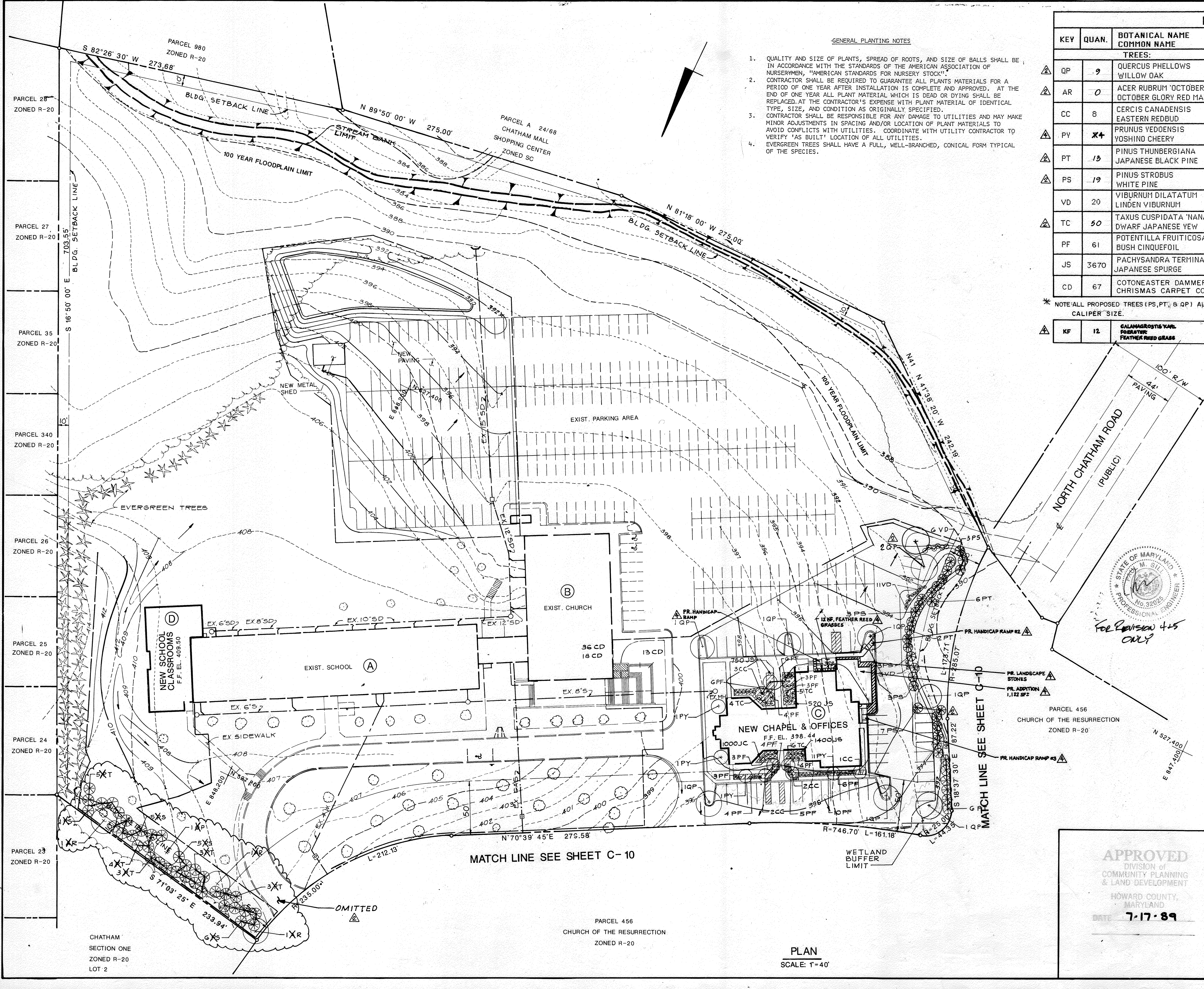
2ND ELECTION DISTRICT HOWARD COUNTY MD
TAX MAP NO 24 PARCEL 456, 1117 & 980

ENGINEERS WHITNEY, BAILEY, COX & MAGNANI
CONSULTING ENGINEERS
1850 YORK ROAD
TIMONIUM, MD 21093
(301) 252-6060

DESIGNED	A R
DRAWN	G S B
CHECKED	P D
DATE	10/13/88
SCALE	1 40
DRAWING NO	SHEET 8 OF 13 C-8

5/12/89
DATE

SDP-89-76



PLAN
SCALE: 1"=40'

GENERAL PLANTING NOTES

1. QUALITY AND SIZE OF PLANTS, SPREAD OF ROOTS, AND SIZE OF BALLS SHALL BE IN ACCORDANCE WITH THE STANDARDS OF THE AMERICAN ASSOCIATION OF NURSERYMEN, "AMERICAN STANDARDS FOR NURSERY STOCK".
2. CONTRACTOR SHALL BE REQUIRED TO GUARANTEE ALL PLANTS MATERIALS FOR A PERIOD OF ONE YEAR AFTER INSTALLATION IS COMPLETE AND APPROVED. AT THE END OF ONE YEAR ALL PLANT MATERIAL WHICH IS DEAD OR DYING SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE WITH PLANT MATERIAL OF IDENTICAL TYPE, SIZE, AND CONDITION AS ORIGINALLY SPECIFIED.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UTILITIES AND MAY MAKE MINOR ADJUSTMENTS IN SPACING AND/OR LOCATION OF PLANT MATERIALS TO AVOID CONFLICTS WITH UTILITIES. COORDINATE WITH UTILITY CONTRACTOR TO VERIFY 'AS BUILT' LOCATION OF ALL UTILITIES.
4. EVERGREEN TREES SHALL HAVE A FULL, WELL-BRANCHED, CONICAL FORM TYPICAL OF THE SPECIES.

PLANT SCHEDULE

	KEY	QUAN.	BOTANICAL NAME COMMON NAME	SIZE	COND.	REMARKS
			TREES:			
2	QP	9	QUERCUS PHELLOWS WILLOW OAK	2½-3" CAL	B+B	*
2	AR	0	ACER RUBRUM 'OCTOBER GLORY' OCTOBER GLORY RED MAPLE	2½-3" CAL	B+B	
	CC	8	CERCIS CANADENSIS EASTERN REDBUD	8-10'	B+B	HEAVY
4	PY	~~X~~ 4	PRUNUS YEDOENSIS YOSHINO CHEERY	1¾-2" CAL	B&B	HEAVY
2	PT	13	PINUS THUNBERGIANA JAPANESE BLACK PINE	8-10'	B+B	*
2	PS	19	PINUS STROBUS WHITE PINE	6-8'	B&B	*
	VD	20	VIBURNUM DILATATUM LINDEN VIBURNUM	3-4'	B&B	
2	TC	50	TAXUS CUSPIDATA 'NANA' DWARF JAPANESE YEW	2-2½'	B&B	
	PF	61	POTENTILLA FRUITICOSA 'KATHERINE DYKES' BUSH CINQUEFOIL	12-18"	CONT	
	JS	3670	PACHYSANDRA TERMINALIS JAPANESE SPURGE	4-6"	CONT	PLANT 8" O.C. STAGGERED
	CD	67	COTONEASTER DAMMERI SKOOGHOLM CHRISMAS CARPET COTONEASTER	15"-18"	CONT.	PLANT 18" O.C. STAGGERED

* NOTE: ALL PROPOSED TREES (PS, PT, & QP) ALONG NORTH CHATHAM ROAD (FUTURE) SHALL BE 2 1/2" MIN. CALIPER SIZE.

	KEY	QUAN.	BOTANICAL NAME COMMON NAME	SIZE	COND.	REMARKS
4	KF	12	CALAMAGROSTIS 'KARL FOERSTER' FEATHER REED GRASS	24"	CONT.	

DATE:	NO.	REVISION
08/04/2021	5	REVISE ADDITION TO CHAPEL AND OFFICE BUILDING, ADD HANDICAP SPACE
02/09/2021	4	ADD ADDITION TO CHAPEL AND OFFICE BUILDING AND LANDSCAPING
6/7/91	2	GENERAL REVISIONS (WBCM)
5/10/89		REVISED PER HO. CO. COMMENTS.

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

James M. [signature] — DIRECTOR — DATE 11/22/89

[signature] — CHIEF, BUREAU OF ENGINEERING — DATE 11.20.89

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWER SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

Joyce M Boyd per [signature] — COUNTY HEALTH OFFICER — DATE 11/29/89

APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING

[signature] — DIRECTOR — DATE 12/6/89

[signature] — CHIEF, DIVISION OF COMMUNITY PLANNING AND DEVELOPMENT — DATE 12/6/89

OWNER: CHURCH OF THE RESURRECTION
PAULSKIRK DRIVE & NORTH CHATHAM ROAD
ELLICOTT CITY, MARYLAND 21043
TEL. (301) 461-9111

PROJECT: SCHOOL & CHAPEL/OFFICE BUILDING ADDITIONS

CHURCH OF THE RESURRECTION

LANDSCAPING PLAN

2ND ELECTION DISTRICT — HOWARD COUNTY, MD.
TAX MAP NO. 24 — PARCEL 456, 1117 & 980

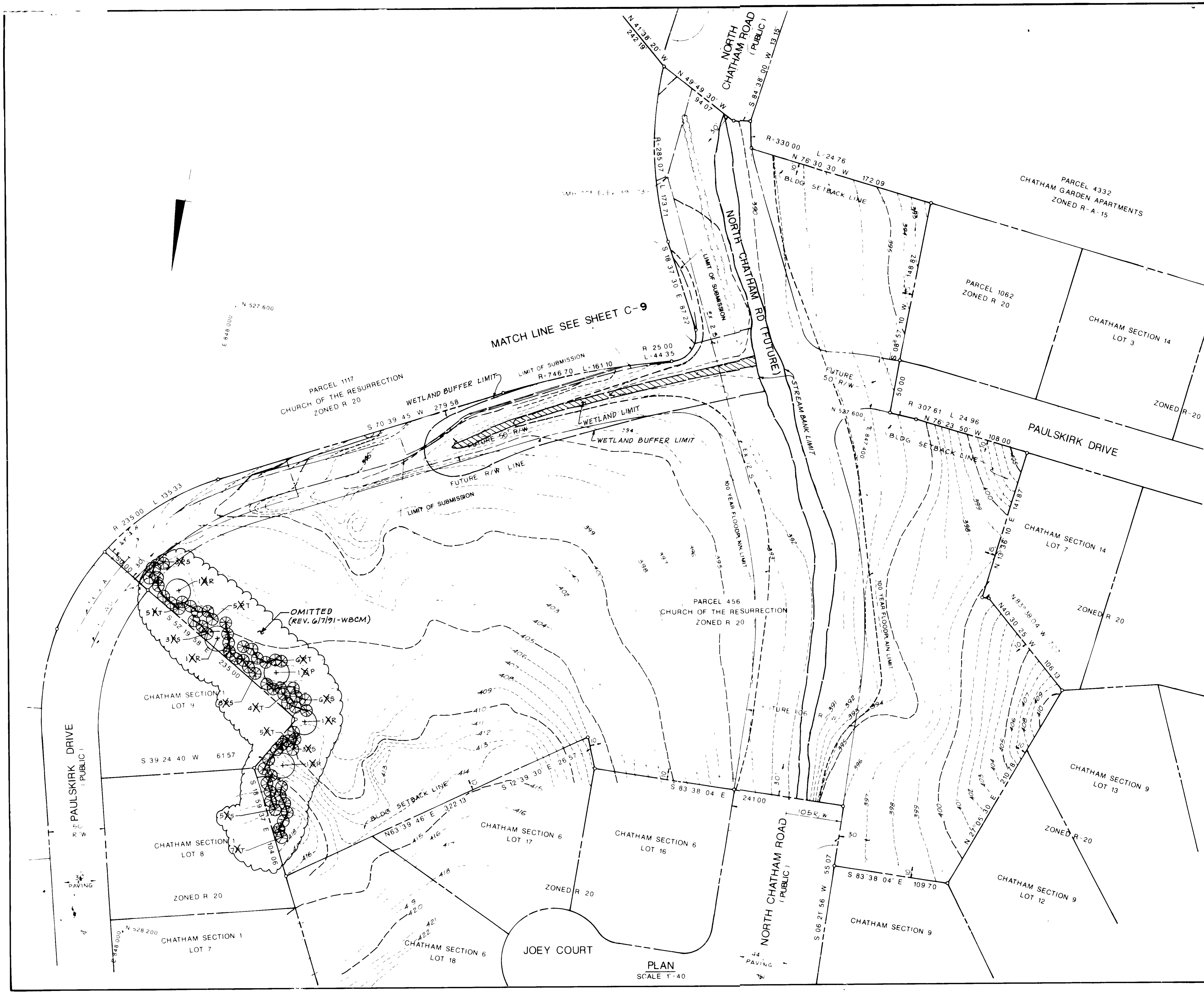
ENGINEERS: WHITNEY, BAILEY, COX & MAGNANI
CONSULTING ENGINEERS
1850 YORK ROAD
TIMONIUM, MD. 21093
(301) 252-6060

APPROVED
DIVISION of
COMMUNITY PLANNING
& LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
DATE 7-17-89

STATE OF MARYLAND — PHILIP DER — REGISTERED PROFESSIONAL ENGINEER
5/12/89 DATE

DESIGNED:	A.R.
DRAWN:	GSB
CHECKED:	P.D.
DATE:	10/13/88
SCALE:	1" = 40'
DRAWING NO:	SHEET ~~10~~ 9 OF 13 C-9

SDP-89-76



7-17-89

James [signature] 11/22/89

[signature] 11-20-89

Joyce M Boyd [signature] 11/29/89

DEPT

[signature] 12/6/89

[signature]

CHIEF, DIVISION OF COMMUNITY PLANNING AND DEVELOPMENT

OWNER CHURCH OF THE RESURRECTION
PAULSKIRK DRIVE & NORTH CHATHAM ROAD
ELLICOTT CITY, MARYLAND 21043
TEL. (301) 461-9111

PROJECT SCHOOLAND CHAPEL/OFFICE BUILDING ADDITIONS

CHURCH OF THE RESURRECTION

LANDSCAPING PLAN

2ND ELECTION DISTRICT — HOWARD COUNTY MD
TAX MAP NO 24 — PARCEL 456, 1117 & 980

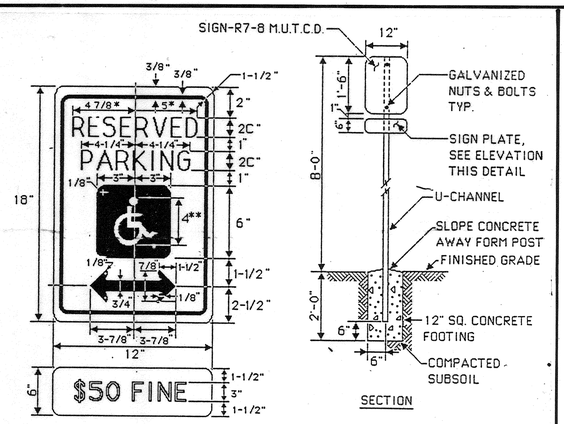
ENGINEERS WHITNEY, BAILEY, COX & MAGNANI
CONSULTING ENGINEERS
1850 YORK ROAD
TIMONIUM, MD 21093
(301) 252-6060

DESIGNED	A R
DRAWN	GSB
CHECKED	P D
DATE	10/13/88
SCALE	1"-40'
DRAWING NO	SHEET 10 OF 13 C-10

[signature]

DATE

SDP-89-76



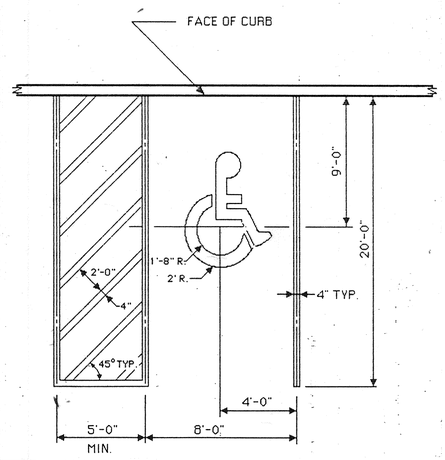
NOTE:
PROVIDE ONE SIGN AND POST PER HANDICAP PARKING SPACE, SEE PLAN.

COLORS:
LEGEND & BORDER- GREEN
WHITE SYMBOL ON BLUE BACKGROUND
BACKGROUND- WHITE

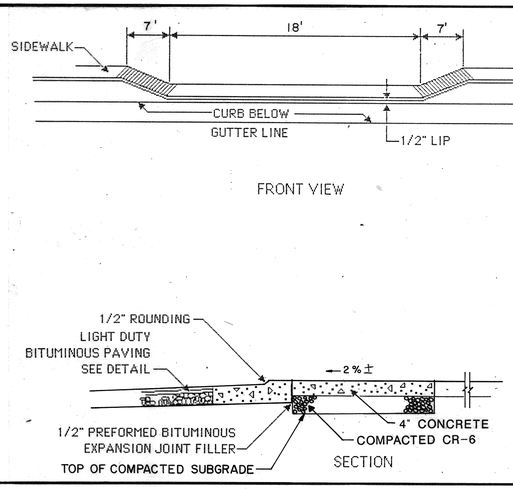
* REDUCE SPACING 50%
** SEE SYMBOL 186d FOR SYMBOL DESIGN

1 HANDICAPPED SIGN

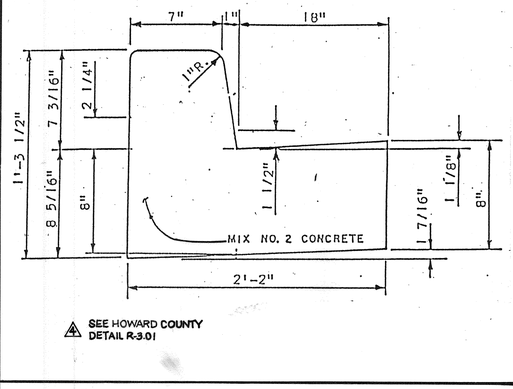
NOTE: PAINT IS TO BE WHITE TRAFFIC PAINT APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. (TWO (2) COATS REQUIRED)



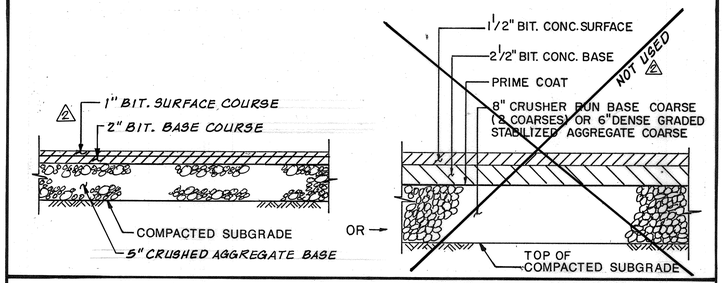
2 HANDICAPPED STRIPING



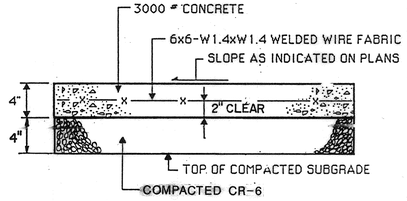
4 DEPRESSED CURB



5 7" COMBINATION CURB AND GUTTER

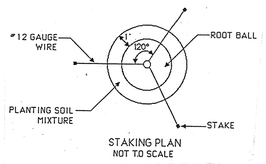


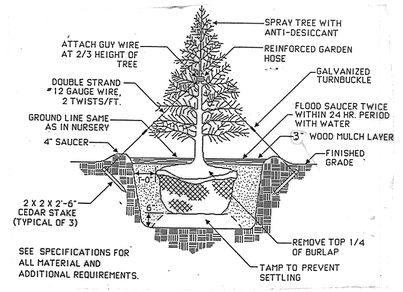
3 BITUMINOUS CONCRETE PAVING SECTIONS



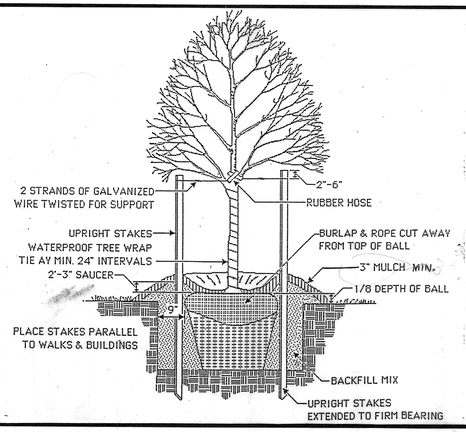
NOTE:
1. 1/2" PREMOLDED EXPANSION JOINT MATERIAL TO BE PLACED WHERE WALKS ABUT CURBS, STEPS, BUILDINGS, OTHER WALKS, ETC. AND AT A MAXIMUM OF 20' INTERVALS ALONG THE WALK.
2. SCORING SHALL BE AT PROVIDED AT 4' ON CENTER FOR 4' & 8' WALKS, 5' ON CENTER FOR 5' & 10' WALKS, AND 6' ON CENTER FOR 6' AND LARGER, NOT PREVIOUSLY MENTIONED.

6 CONCRETE SIDEWALK (REINFORCED)

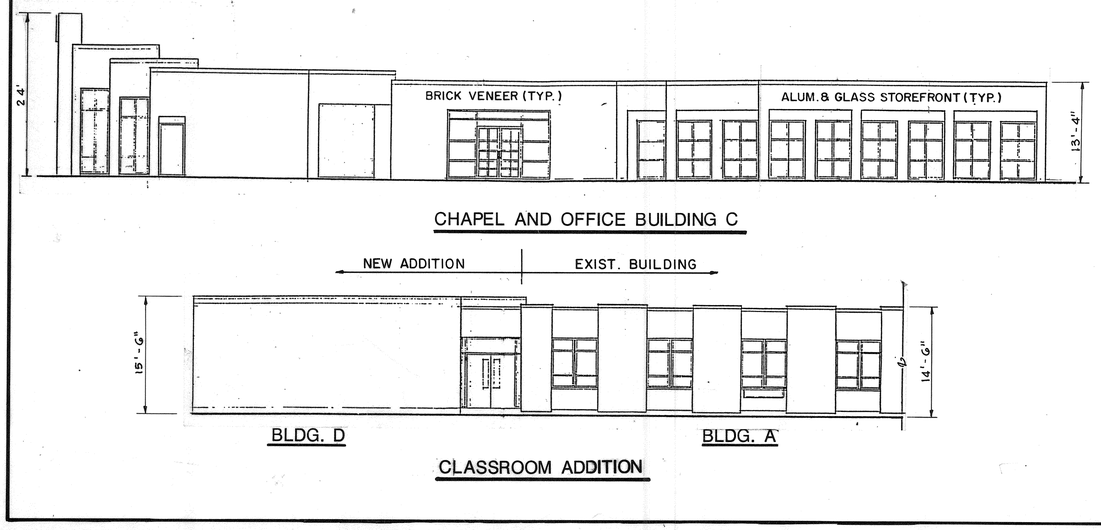


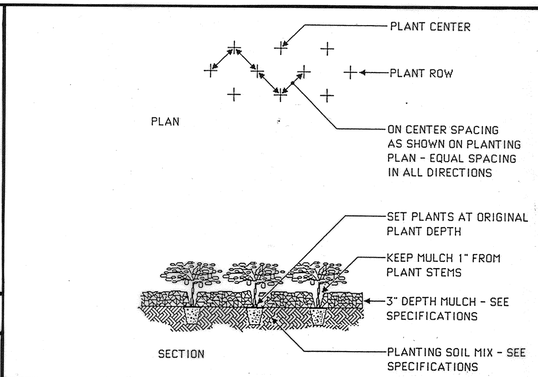


9 EVERGREEN TREE DETAIL

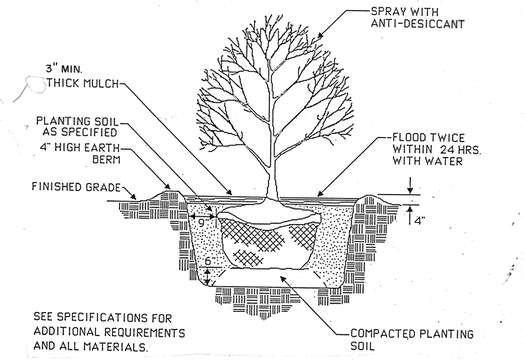


10 TYPICAL UPRIGHT STAKING DETAIL WITH WRAPPING





7 GROUND COVER PLANTING DETAIL



8 SHRUB PLANTING DETAIL

DATE:	NO.	REVISION
09/09/2021	4	UPDATE CURB DETAIL
6/17/91	3	GENERAL REVISIONS (WBCM)
5/10/89		REVISED PER HO. CO. COMMENTS

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

DIRECTOR — DATE 1/22/89

CHIEF, BUREAU OF ENGINEERING — DATE 1/26/89

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWER SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER — DATE 11/29/89

APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING

DIRECTOR — DATE 12/6/89

CHIEF, DIVISION OF COMMUNITY PLANNING AND DEVELOPMENT — DATE 12/6/89

APPROVED
DIVISION of COMMUNITY PLANNING & LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
DATE 7-17-89

OWNER: CHURCH OF THE RESURRECTION
PAUL SKIRK DRIVE & NORTH CHATHAM ROAD
ELLICOTT CITY, MARYLAND 21043
TEL. (301) 461-9111

PROJECT: SCHOOL AND CHAPEL / OFFICE BUILDING ADDITIONS

CHURCH OF THE RESURRECTION

SITE DETAILS

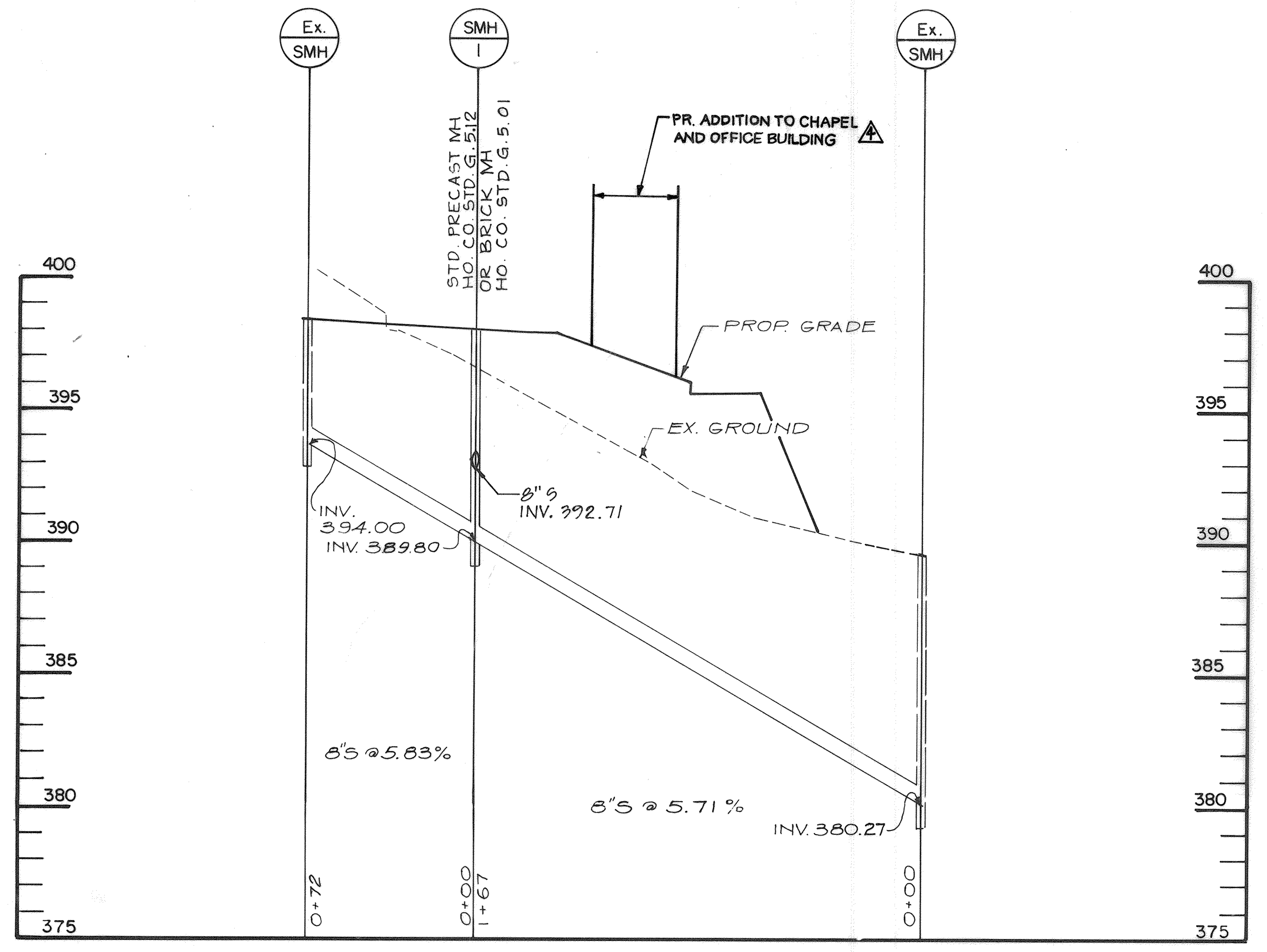
2ND ELECTION DISTRICT — HOWARD COUNTY, MD.
TAX MAP NO. 24 — PARCEL 456, 1117 & 980

ENGINEERS: WHITNEY, BAILEY, COX & MAGNANI
CONSULTING ENGINEERS
1850 YORK ROAD
TIMONIUM, MD. 21093
(301) 252-6060

STATE OF MARYLAND — PHILIP G. DUGHI — REGISTERED PROFESSIONAL ENGINEER
10/21/88
DATE

DESIGNED:	A.R.
DRAWN:	G.G.
CHECKED:	P.D.
DATE:	10/13/88
SCALE:	NOT TO SCALE
DRAWING NO:	SHEET 11 OF 13 C-11

SDP-89-76



SANITARY SEWER PROFILE

SCALE: HORZ. 1"=40'
VERT. 1"=4'

Construction Specifications

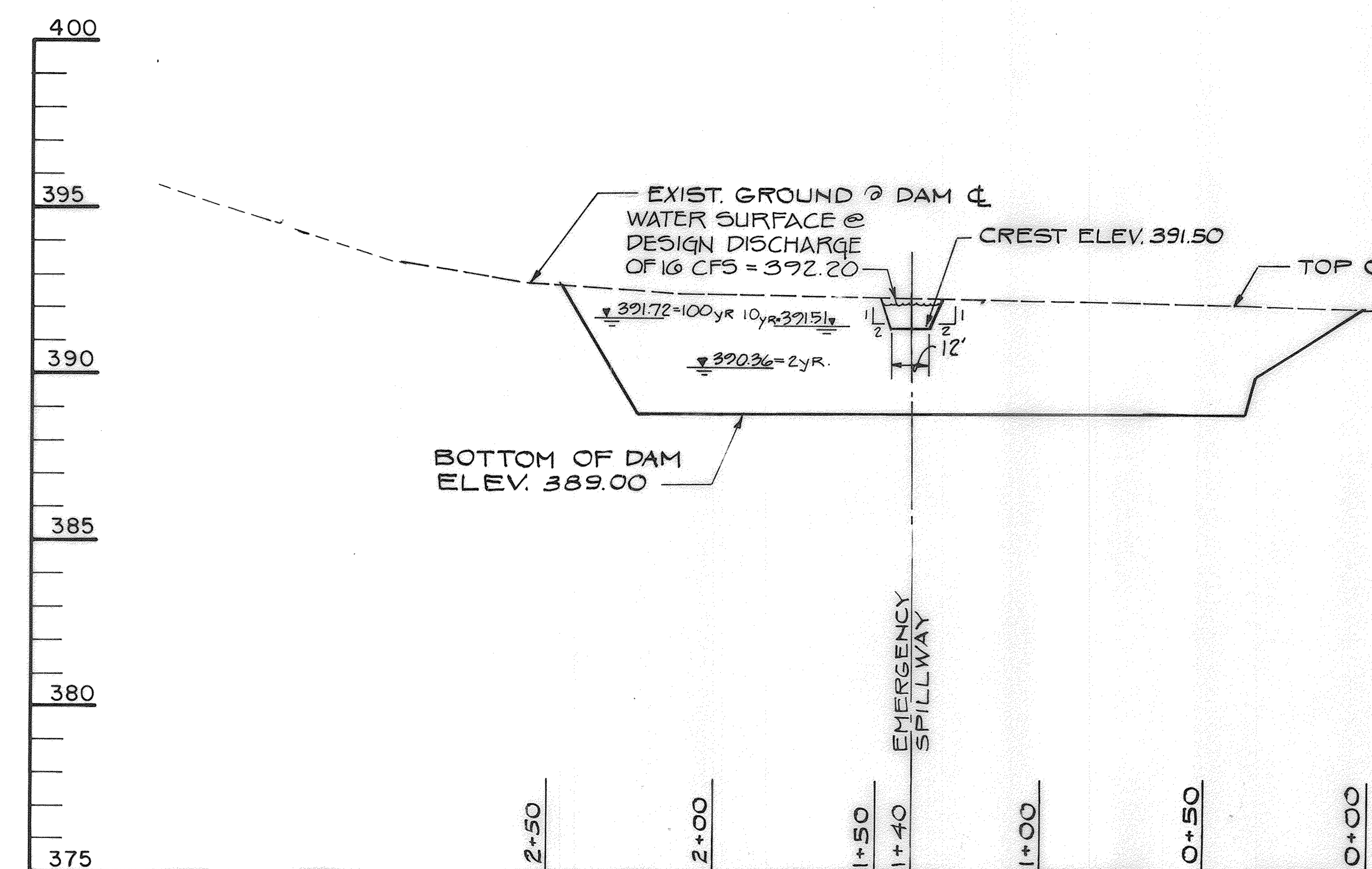
The construction of all infiltration basins should comply with the criteria set forth in the Maryand SCS Standards and Specifications 378-Ponds dated July, 1981 or subsequent revisions and the additional criteria provided below.

Schedule

The sequence of various phases of basin construction shall be coordinated with the overall project construction schedule. A program should schedule

Excavation

Initial basin excavation should be carried to within 1 foot of the final elevation of the basin floor. Final excavation to the finished grade should be deferred until all disturbed areas on the watershed have been stabilized or protected. The final phase excavation should remove all accumulated sediment. Relatively light tracked equipment is recommended for this operation to avoid compaction of the basin floor. After the final grading is completed, the basin floor should be deeply tilled by means of rotary tillers or disc harrows to provide a well-aerated, highly porous surface texture.



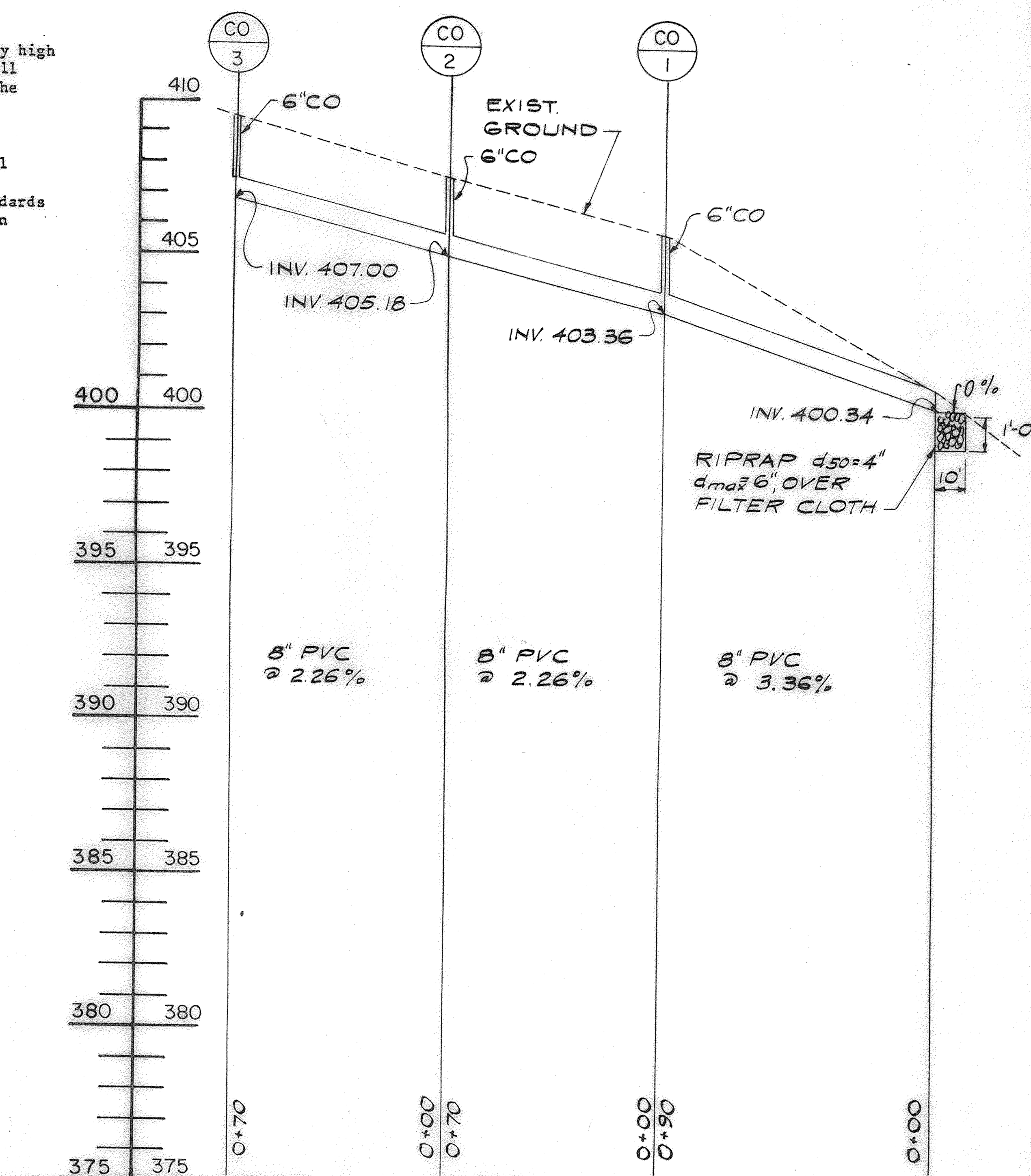
DAM ℄ PROFILE INFILTRATION BASIN

SCALE: HORZ. 1"=40'
VERT. 1"=4'

Lining Material

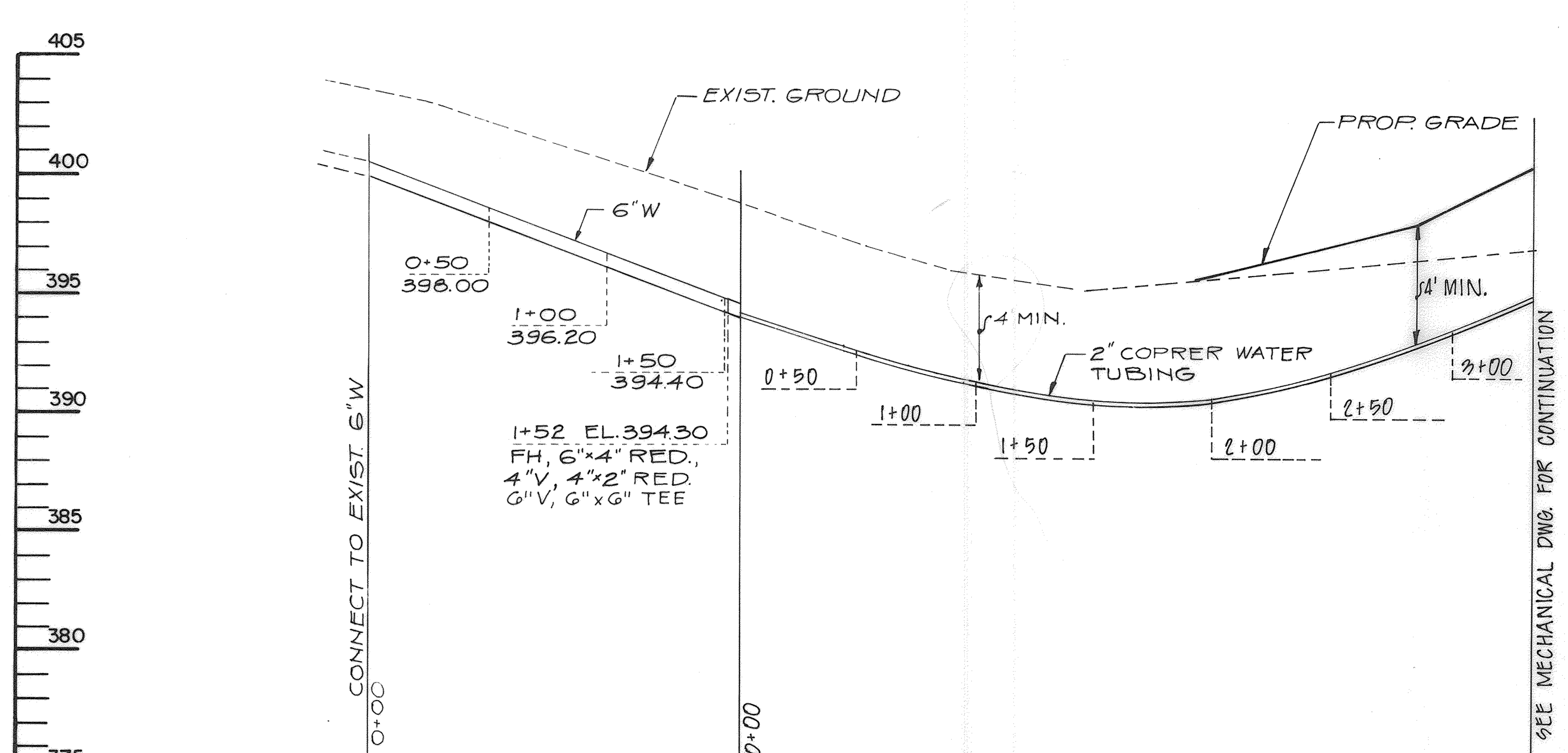
Establishing dense vegetation on the basin side slopes and floor is recommended. A dense vegetative stand will not only prevent erosion and sloughing, but will also provide a natural means of maintaining relatively high infiltration rates. Erosion protection of inflow points to the basin shall also be provided. Removal of accumulated sediment is a problem only at the basin floor. Little maintenance is normally required to maintain the infiltration capacity of slope areas.

Selection of suitable vegetative materials for the side slope and all other areas to be stabilized with vegetation and application of required fertilizer and mulches shall be done in accordance with the Maryland Standards and Specifications for Soil Erosion and Sediment Control. Local Extension Agencies should also be consulted.



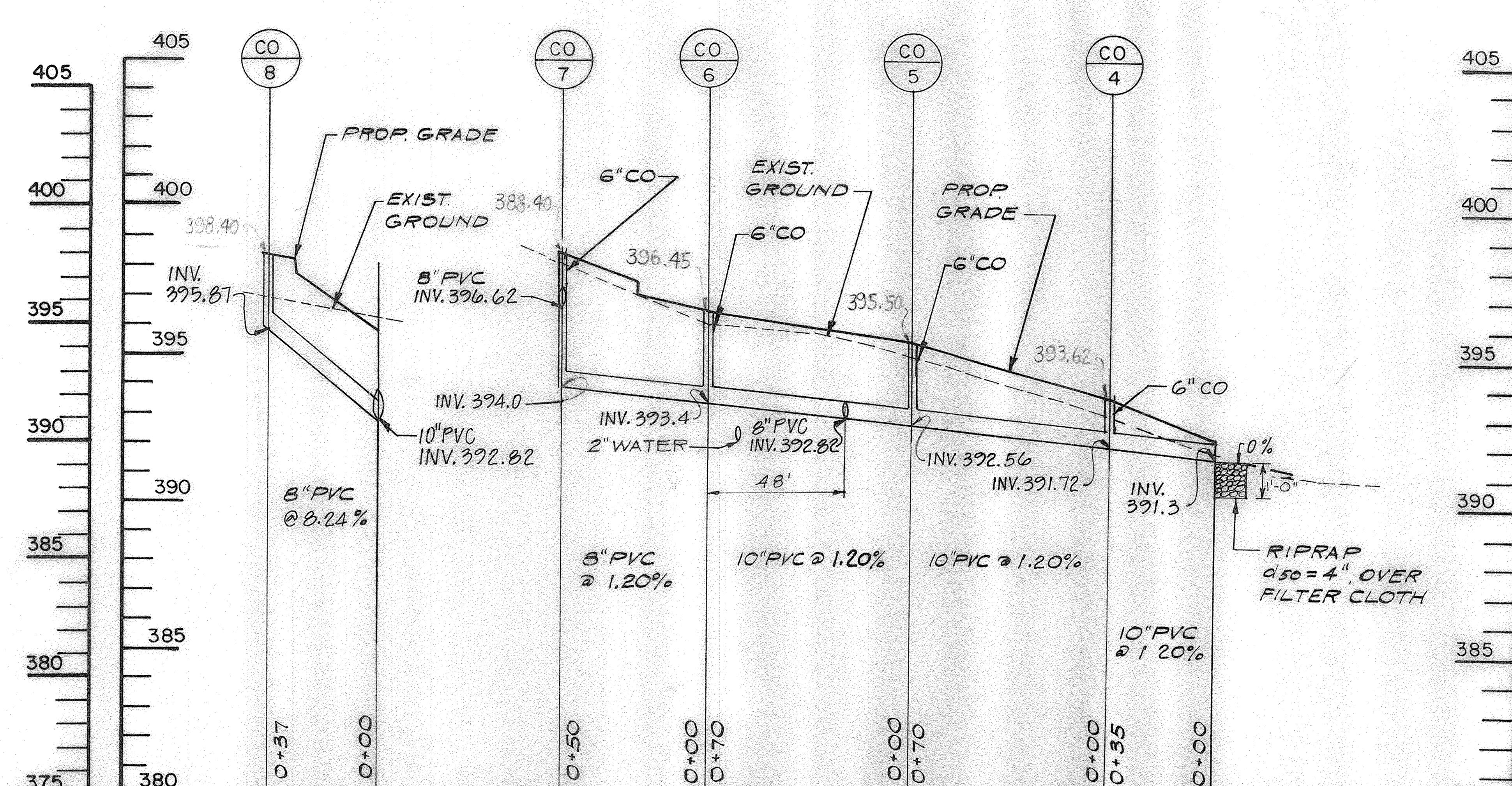
NEW SCHOOL ROOF LEADER PROFILE

SCALE: HORZ. 1"=40'
VERT. 1"=4'



WATER MAIN PROFILE

SCALE: HORZ. 1"=50'
VERT. 1"=5'



NEW CHAPEL/OFFICE ROOF LEADER PROFILE

SCALE: HORZ. 1"=40'
VERT. 1"=4'

AS-BUILT SWM 7/16/96

APPROVED
DIVISION of COMMUNITY PLANNING & LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
DATE 7-17-89

Maintenance

Inspection Schedule

Drainage systems must be inspected on a routine basis to ensure that they are functioning properly. Inspections can be on a semiannual basis but should always be conducted following major storms.

Sediment Control Effect on Vegetated Basins

Cleanout frequency of infiltration basins will depend on whether they are vegetated or nonvegetated and will be a function of their storage capacity, recharge characteristics, volume of inflow, and sediment load. Infiltration basins should be inspected at least once a year. Sedimentation basins and traps may require more frequent inspection and cleanout.

Grass bottoms on infiltration basins seldom need replacement since grass serves as a good filter material. This is particularly true of Kentucky 31 Tall Fescue, which is extremely hardy and can withstand several days of submergence. If silty water is allowed to trickle through the turf, most of the suspended material is strained out within a few yards of surface travel. Well established turf on a basin floor will grow up through sediment deposits, forming a porous turf and preventing the formation of an impermeable layer. Grass filtration would work well with long, narrow, shoulder-type (swales, ditches, etc.) depressions where highway runoff flows down a grassy slope between the roadway and the basin. Kentucky 31 Tall Fescue demands very little attention and looks attractive when trimmed. Grass planted on basin side slopes will also prevent erosion.

Side Slope Maintenance

(a) Purpose. To promote a dense turf with extensive root growth, thereby enhancing infiltration through the slope surface and prevent weeds from gradually taking over the slope areas.

(b) Frequency. Grasses of the fescue family are recommended for seeding primarily due to their adaptability to dry sandy soils, drought resistance, hardiness, and ability to withstand brief inundations. The use of fescues will also permit long intervals between mowings. This is important due to the relatively steep slopes which make mowing difficult. Mowing twice a year, once in June and again in September, is generally satisfactory. Refertilization with 10-6-4 ratio fertilizer at a rate of 500 lb per acre (11 lb per 1000 sq ft) may be required the second year after seeding.

DATE:	NO.	REVISION
02/09/2021	4	ADD ADDITION TO CHAPEL AND OFFICE BUILDING
5/10/89		REVISIONS PER HO. CO. COMMENTS

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

DIRECTOR — DATE 11/22/89

CHIEF, BUREAU OF ENGINEERING — DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWER SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER — DATE 11/29/89

APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING

DIRECTOR — DATE 12/6/89

CHIEF, DIVISION OF COMMUNITY PLANNING AND DEVELOPMENT — DATE 12/6/89

OWNER: CHURCH OF THE RESURRECTION
PAULSKIRK DRIVE & NORTH CHATHAM ROAD
ELLICOTT CITY, MARYLAND 21043
TEL. (301) 461-9111

PROJECT: SCHOOL AND CHAPEL/OFFICE BUILDING ADDITION

CHURCH OF THE RESURRECTION

PROFILES

2ND ELECTION DISTRICT — HOWARD COUNTY, MD.
TAX MAP NO. 24 — PARCEL 456, 1117 & 980

ENGINEERS: WHITNEY, BAILEY, COX & MAGNANI
CONSULTING ENGINEERS
1850 YORK ROAD
TIMONIUM, MD. 21093
(301) 252-6060

STATE OF MARYLAND PHILIP DER REGISTERED PROFESSIONAL ENGINEER

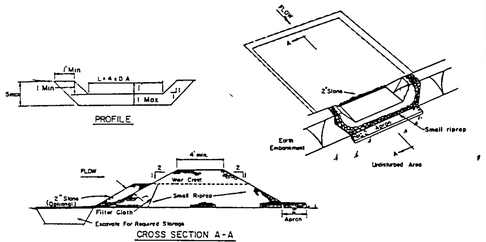
DATE 8/18/89

DESIGNED:	A.R.
DRAWN:	G.G.
CHECKED:	P.D.
DATE:	10/13/88
SCALE:	AS SHOWN
DRAWING NO:	SHEET 12 OF 13 C-12

SDP-89-76

1 STONE OUTLET SEDIMENT TRAP

STONE OUTLET SEDIMENT TRAP 'V'



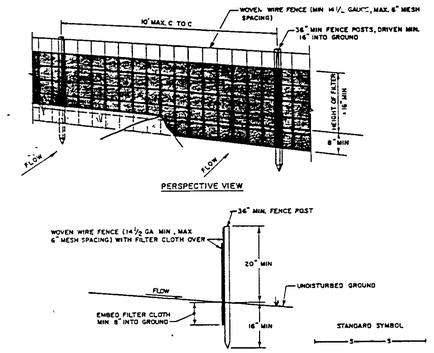
OPTION. A one foot layer of 2" stone may be placed on the upstream side of the riprap in place of the embedded filter cloth.

CONSTRUCTION SPECIFICATIONS FOR ST-V

1. Area under embankment shall be cleared, grubbed and stripped of any vegetation and root 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 objectionable material. The embankment shall be compacted by traversing 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"-8" along with a 1' thickness of 2" aggregate placed on the upgrade side on the small riprap or embedded filter cloth in the riprap.
5. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to ½ 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.

2 SILT FENCE

SILT FENCE



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" AT TOP AND MID SECTION.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

POSTS. STEEL EITHER T OR U TYPE OR 2" HARDWOOD

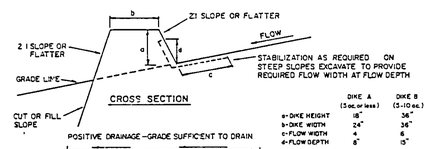
FENCE WOVEN WIRE, 14½ GA. 6" MAX. MESH OPENING

FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA T140N OR APPROVED EQUAL

PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL.

3 EARTH DIKE

EARTH DIKE
not to scale



	DIKE A (5 ac. or less)	DIKE B (5-10 ac.)
a-DIKE HEIGHT	18"	36"
b-DIKE WIDTH	24"	36"
c-FLOW WIDTH	4	6
d-FLOW DEPTH	8"	15"

1. ALL DIKES SHALL BE COMPACTED BY EARTH-MOVING EQUIPMENT.
2. ALL DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
3. TOP WIDTH MAY BE WIDER AND SIDE SLOPES MAY BE FLATTER IF DESIRED TO FACILITATE CROSSING B CONSTRUCTION TRAFFIC.
4. FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SAFE OUTLET.
5. EARTH DIKES 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 DIKE CHANNEL OR THE DRAINAGE AREA ABOVE THE DIKE 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 SEEDING SEASON, (B) FLOW CHANNEL AS PER THE CHART BELOW.

FLOW CHANNEL STABILIZATION

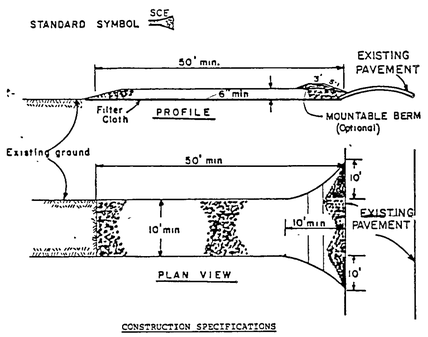
TYPE OF TREATMENT	CHANNEL GRADE	DIKE A	DIKE B
1	.5-3.0%	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1-5.0%	SEED AND STRAW MULCH	SEED USING JUTE, OR EXCELSIOR, SOD, 2" STONE
3	5.1-8.0%	SEED WITH JUTE, OR SOD, 2" STONE	LINED RIP-RAP 4-8"
4	8.1-20%	LINED RIP-RAP 4-8"	ENGINEERING DESIGN

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. RIP-RAP 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.

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

4 STABILIZED CONSTRACTION ENTRANCE

STABILIZED CONSTRUCTION ENTRANCE
not to scale



CONSTRUCTION SPECIFICATIONS

1. Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent.
2. Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
3. Thickness - Not less than six (6) inches.
4. Width - Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
5. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
6. Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractic l, 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 as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
8. Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing 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.

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 schedule:

1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 square ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/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/1000 sq ft).
2) Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sq ft) before seeding Harrow or disc into upper three inches of soil.

Seeding - For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs per acre (1.4 lbs/1000 sq ft) of Kentucky 31 Tall Fescue For the period May 1 thru July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (.05 lbs/1000 sq ft) of weeping lovegrass During the period of October 16 thru February 28, protect site by Option (1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use sod. Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

Mulching - Apply 1½ to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq ft) for anchoring.

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

TEMPORARY SEEDING NOTES

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

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

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

Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2½ bushel per acre of annual rye (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (.07 lbs/1000 sq ft). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

Mulching. Apply 1½ to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes, 8 ft or higher, use 348 gal per acre (8 gal/1000 sq ft) for anchoring

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

SEDIMENT CONTROL NOTES

1) A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction (992-2437)
2) All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
3) Following initial soil disturbance or redisturbance, permanent or temporary stabilization shall be completed within.
a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1,
b) 14 days as to all other disturbed or graded areas on the project site.
4) All sediment traps/basins shown must be fenced and warning signs posted around their 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 EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) sod (Sec. 54), temporary seeding (Sec 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
6) All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector

* 7) Site Analysis.

Total Area of Site	25.26 Acres
Area Disturbed	11.66 Acres
Area to be roofed or paved	1.10 Acres
Area to be vegetatively stabilized	10.56 Acres
Total Cut	500 Cu. Yds.
Total Fill	4700 Cu. Yds.
Office waste/borrow area location	NOT KNOWN

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 DPW sediment control inspector
10) On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
11) On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made

* The information shown for Howard County only and not to be used for bidding purposes by the contractor

BY THE DEVELOPER·

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT"

SIGNATURE OF DEVELOPER — DATE 8-22-89

Rev. Brian M. Rafferty

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 COUNTY SOIL CONSERVATION DISTRICT "

SIGNATURE OF ENGINEER — DATE 5/10/89

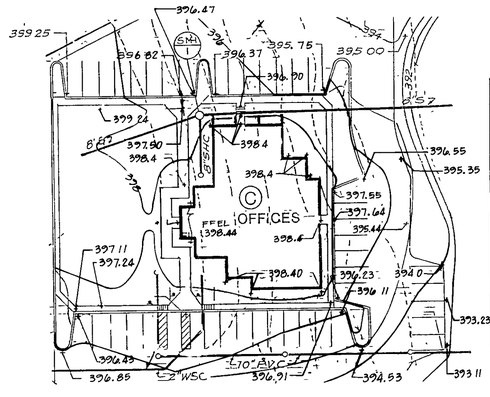
PHILIP DER

REVIEWED FOR _____ S.C.D. AND MEETS TECHNICAL REQUIREMENTS.

U.S. SOIL CONSERVATION SERVICE — DATE 9/27/89

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

HOWARD S.C.D — DATE 9/27/89



PLAN

BASE BID FOR BUILDING

7-17-89

DATE	NO	REVISION
5/10/89		REVISED PER HO CO COMMENTS

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

DIRECTOR — DATE 11/22/89

CHIEF, BUREAU OF ENGINEERING — DATE 11-20-89

APPROVED FOR PUBLIC WATER AND PUBLIC SEWER SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER — DATE 11/29/89

APPROVED HOWARD COUNTY DEPT OF PLANNING AND ZONING

DIRECTOR — DATE 12/6/89

CHIEF, DIVISION OF COMMUNITY PLANNING AND DEVELOPMENT — DATE 12/6/89

OWNER
CHURCH OF THE RESURRECTION
PAULSKIRK DRIVE & NORTH CHATHAM ROAD
ELLICOTT CITY, MARYLAND 21043
TEL. (301) 461-9111

PROJECT: SCHOOL AND CHAPEL / OFFICE BUILDING

CHURCH OF THE RESURRECTION
SEDIMENT CONTROL DETAILS

2ND ELECTION DISTRICT — HOWARD COUNTY, MD
TAX MAP NO 24 — PARCEL 456, 1117 & 930

ENGINEERS: WHITNEY, BAILEY, COX & MAGNANI
CONSULTING ENGINEERS
1850 YORK ROAD
TIMONIUM, MD. 21093
(301) 252-6060

DESIGNED:	A R
DRAWN:	G S B
CHECKED:	P D
DATE:	10/13/88
SCALE:	NOT TO SCALE
DRAWING NO:	SHEET 13 OF 13 C-13

7/16/89 DATE

SDP-89-76