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2	SITE DEVELOPMENT PLAN
3	SEDIMENT CONTROL PLAN AND DRAINAGE AREA MAP
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5	PLANTING PLAN

SITE DEVELOPMENT PLAN

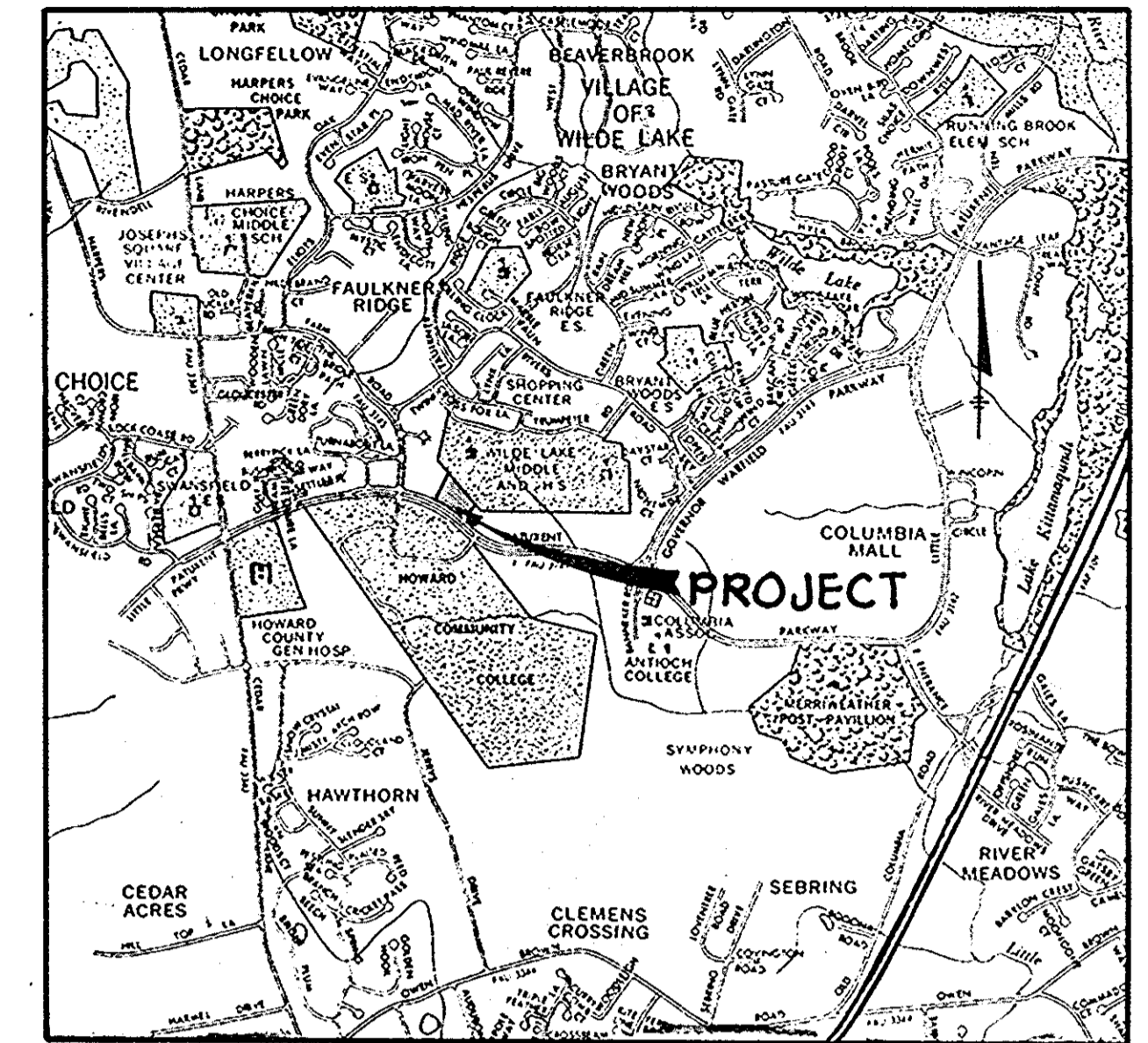
COLUMBIA PROFESSIONAL BLDG.

VILLAGE OF WILDE LAKE

SECTION 10 , AREA 5 PARCELS 19,20,21 & 22

5TH ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

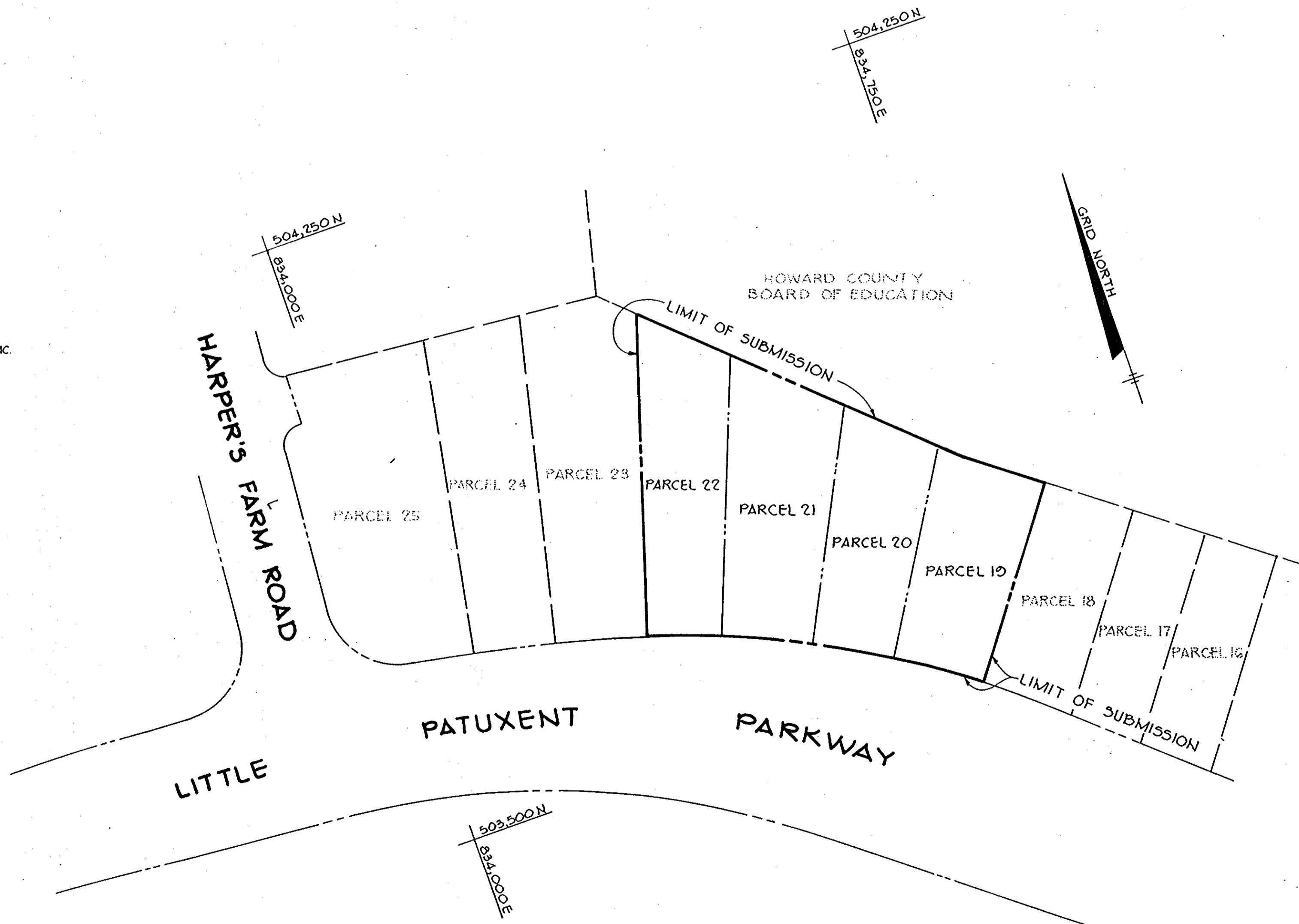


VICINITY MAP
Scale: 1" = 2,000'

GENERAL NOTES

- ALL WATER LINES SHALL BE CONSTRUCTED A MINIMUM OF 42" COVER BELOW FINISHED GRADE.
- CORRUGATED STEEL PIPE SECTIONS WILL BE JOINED WITH A SINGLE OR TWO PIECE CORRUGATED BAND WITH A WATERTIGHT NEOPRENE GASKET. DIPLE BAND CONNECTORS WILL NOT BE PERMITTED.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, I.E., STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES, WHERE DIRECTED BY THE ENGINEER, A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS.
- CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS:

MISS UTILITY	559-0100
C & P TELEPHONE COMPANY	725-9976
HOWARD COUNTY BUREAU OF UTILITIES	992-2366
AT&T CABLE LOCATION DIVISION	393-3553
BALTIMORE GAS AND ELECTRIC COMPANY	685-0123
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 MAY, 1989 BY THE RIEMER GROUP, INC.
- ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.



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

James Byrd 1-16-85
HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

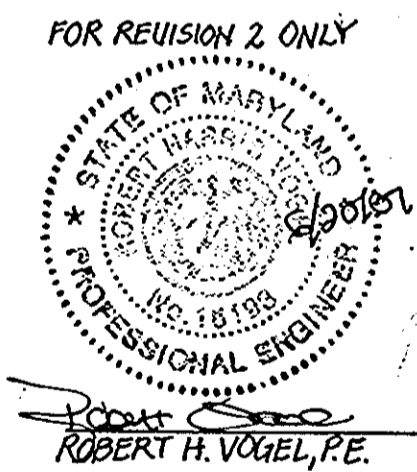
John Muschman 1-18-85
PLANNING DIRECTOR DATE

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

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

John A. ... 1-14-85
DIRECTOR DATE

Robert H. Vogel, P.E. 1-18-85
SUPERVISOR, BUREAU OF ENGINEERING DATE



DATE	NO.	REVISION
10-18-84	1	REVISED SITE TAB.
10-21-84	2	MODIFY EXISTING PARKING LOT TO ACCOMMODATE ADDITIONAL PARKING

OWNER/DEVELOPER
10840 LIMITED PARTNERSHIP SUITE 201, OVERLOOK CENTER COLUMBIA, MARYLAND 21045

PROJECT:
COLUMBIA PROFESSIONAL BUILDING

AREA COLUMBIA - VILLAGE OF WILDE LAKE SECTION 10, AREA 5 - PARCELS 19, 20, 21 & 22 5TH ELECTION DISTRICT HOWARD COUNTY, MD.

TITLE:
TITLE SHEET

THE RIEMER GROUP, INC.
A LAND PLANNING, DESIGN & CIVIL ENGINEERING FIRM
3105 HEALTH PARK DRIVE, ELLICOTT CITY, MD. 21043 301 461-2690

11/2/84	
TAX MAP 35	DESIGNED BY: R. J. W.
	DRAWN BY: T. E. S.
	PROJECT NO: 002600
	DATE: 01/2/84
	SCALE: AS SHOWN
	DRAWING NO. 1 OF 5

APPROVED
PLANNING BOARD OF HOWARD COUNTY
DATE: 10-31-84
Robert H. Vogel, P.E.

ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
19, 20, 21 & 22	10840 LITTLE PATUXENT PKWY.
SUBMISSION NAME: VILLAGE OF WILDE LAKE	
PLAT # OR U/P BLOCK #	SECT./AREA
10/5	10, 20, 21 & 22
WATER CODE: 101	
SEWER CODE: 5523400	

LOCATION MAP
Scale: 1" = 100'

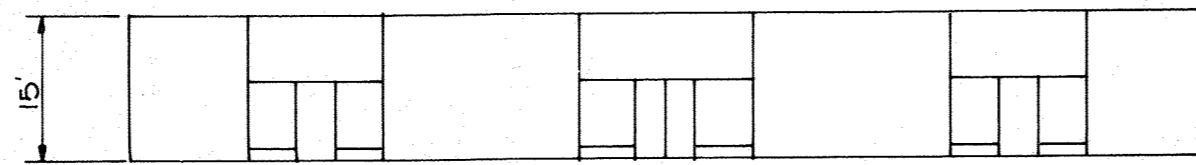
SITE TABULATION AS PER FDP 48

1) AREA OF PARCEL	3.186 Ac.
2) ZONING	P.O.F. AND New Town Employment Center Town Center Commercial
3) PROPOSED USE	Offices/Day Care
4) EXISTING NET LEASEABLE AREA	3,407 S.F.
PROPOSED-NET LEASEABLE AREA	21,364 S.F.
TOTAL LEASEABLE AREA	5,900 S.F.
30,728 S.F.	
5) EXISTING BUILDING COVERAGE	25,000 S.F. = 18%
PROPOSED BUILDING COVERAGE	6,000 S.F.
TOTAL BUILDING COVERAGE	31,000 S.F. = 22%
6) EXISTING PARKING	125 Spaces
TOTAL PROPOSED PARKING	156 Spaces
	HANDICAP SPACES REQUIRED: 6 SPACES
	HANDICAP SPACES PROVIDED: 6 SPACES
7) PARKING REQUIRED (2 Spaces for 1000 S.F. NLA) 21,204 S.F. NLA	59 Spaces, 3,610 SF OF DAY CARE @ 1SPACE/100 SF - 00SPACES
	64 Spaces total
NUMBER OF DESIGNATED PICK-UP/DELIVERY SPACES @ 1/60 CHILDRENS	4 SPACES
NUMBER OF CHILDREN EXPECTED	75 MAX.
OUTDOOR PLAY AREA REQUIRED @ 36 SF/1% NO. OF CHILDREN	2,700 SF
OUTDOOR PLAY AREA PROVIDED	1005 SF

LEGEND

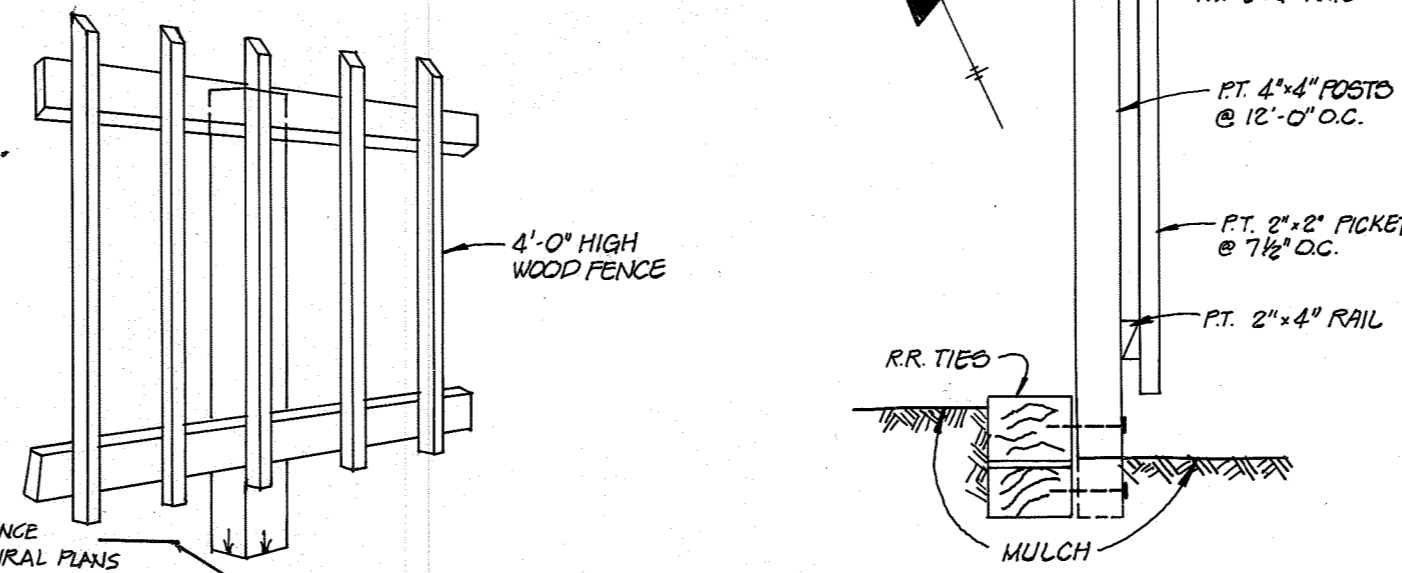
- PROPOSED PAVING
- PROP CURB & GUTTER
- EX CURB & GUTTER (TO BE REMOVED)
- PROP CONC WALK
- EX CONC WALK (TO BE REMOVED)

PROPOSED BUILDING EAST ELEVATION
SCALE: 1" = 20'



HOWARD COUNTY BOARD OF EDUCATION
506/213 & 506/216

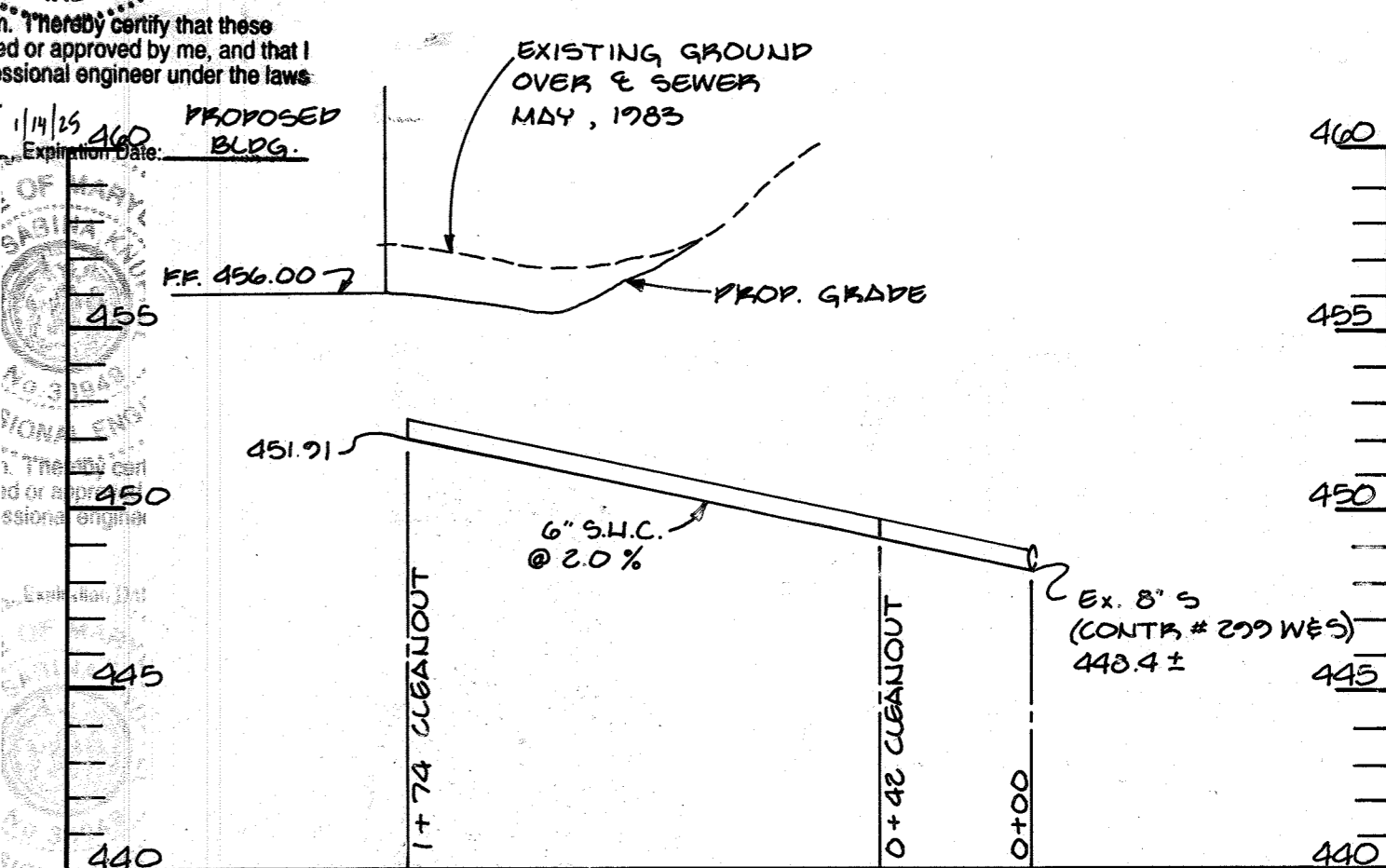
WOOD FENCE DETAIL
NO SCALE



TABULATION OF IMPERVIOUS AREA

IMPERVIOUS AREA TO BE REMOVED	0.26 ACRES
IMPERVIOUS AREA TO BE CONSTRUCTED	0.24 ACRES
NET DECREASE IN IMPERVIOUS AREA	0.02 ACRES

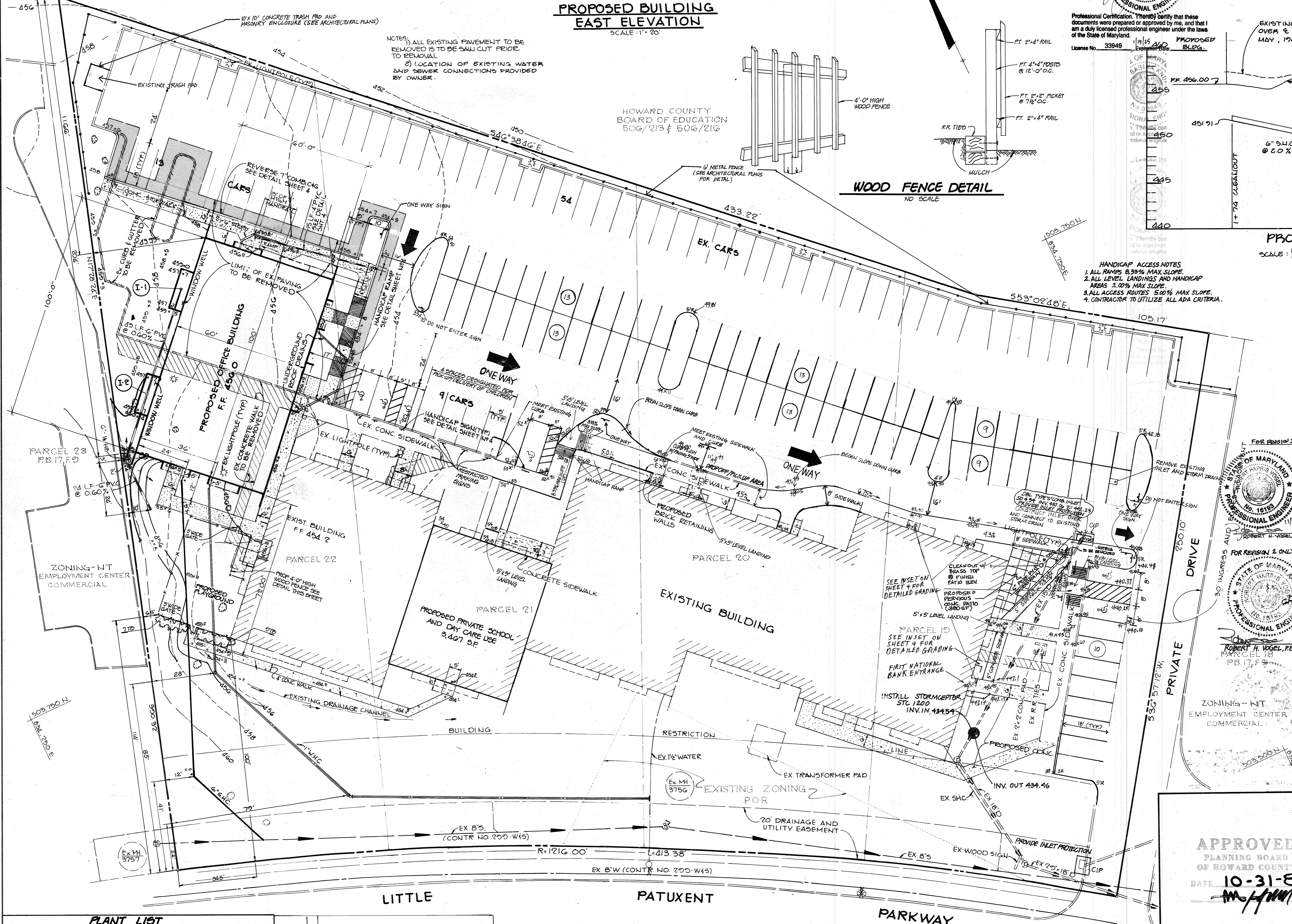
Professional Certification: I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
License No. 33949
11/15/84
PROPOSED BLDG.



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

- HANDICAP ACCESS NOTES**
1. ALL RAMPS 8.33% MAX. SLOPE.
 2. ALL LEVEL LANDINGS AND HANDICAP AREAS 2.00% MAX. SLOPE.
 3. ALL ACCESS ROUTES 5.00% MAX. SLOPE.
 4. CONTRACTOR TO UTILIZE ALL ADA CRITERIA.

- NOTES**
- 1) ALL EXISTING PAVEMENT TO BE REMOVED IS TO BE SAW CUT PRIOR TO REMOVAL.
 - 2) LOCATION OF EXISTING WATER AND SEWER CONNECTIONS PROVIDED BY OWNER.



12/8/82	1	ADD ADA DEVICE, REPLACE SECTIONS OF SIDEWALK AND REVISE ADA PARKING
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.		
<i>John E. Oyle</i>		1-16-85 DATE
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.		
<i>Thomas J. Davis</i>		1-18-85 DATE
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.		
<i>John M. Wessman</i>		1-18-85 DATE
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS		
<i>Walter J. Neumy</i>		1-18-85 DATE
OWNER/DEVELOPER: 10840 LIMITED PARTNERSHIP, SUITE 201, OVERLOOK CENTER, COLUMBIA, MARYLAND 21045		

FOR REVISION 2 ONLY

STATE OF MARYLAND PROFESSIONAL ENGINEER NO. 18155 ROBERT H. VOGEL, P.E.

FOR REVISION 1 ONLY

STATE OF MARYLAND PROFESSIONAL ENGINEER NO. 18155 ROBERT H. VOGEL, P.E.

ZONING - NET EMPLOYMENT CENTER COMMERCIAL

APPROVED PLANNING BOARD OF HOWARD COUNTY
DATE: 10-31-84

PROJECT: COLUMBIA PROFESSIONAL CENTER
AREA: COLUMBIA - VILLAGE OF WILDE LAKE SECTION 10, AREA 5 - PARCELS 10, 20, 21 & 22 5TH ELECTION DISTRICT HOWARD COUNTY, MD
TITLE: SITE DEVELOPMENT PLAN GRADING PLAN

THE RIEMER GROUP, INC.
A LAND PLANNING, DESIGN & CIVIL ENGINEERING FIRM
3105 HEALTH PARK DRIVE, ELLICOTT CITY, MD, 21043 301 461-2690

11/19/84 DATE	TAX MAP 35
	DESIGNED BY: A.E.M.
	DRAWN BY: D.A.M.
	PROJECT NO 002600
	DATE: 2/12/84
	SCALE: 1" = 20'
	DRAWING NO. 2 OF 5

PLANT LIST

KEY	NO.	PLANT NO.	NOTES	DATE	NO.	REVISION
TD	10	TAXUS BRACATA REPANDENS - ENG. YEW	2-2 1/2" CONT./D&D	11/19/83	3	REVISE TO ADD 380 SF PATIO

SEDIMENT TRAP DATA

CREST ELEV: 454.5
 BOTTOM ELEV: 451.5
 CLEANOUT ELEV: 452.5
 TOP DIMENSION: 40" x 15"
 BOTTOM DIMENSION: 20" x 3"
 VOLUME REQUIRED: 570 CF
 VOLUME PROVIDED: 918 CF
 DRAINAGE AREA: 0.21 AC.

SITE ANALYSIS

TOTAL AREA OF DISTURBANCE: 0.50 AC.
 PROPOSED PAVING AREA: 0.14 AC.
 PROPOSED ROOF AREA: 0.14 AC.
 AREA TO BE REVEGETATED: 0.31 AC.

8.4.8 SPECIFICATIONS FOR PERMEABLE PAVEMENTS & REINFORCED TURF
 THESE SPECIFICATIONS INCLUDE INFORMATION ON ACCEPTABLE MATERIALS FOR TYPICAL APPLICATIONS AND ARE NOT EXCLUSIVE OR LIMITING. THE DESIGNER IS RESPONSIBLE FOR DEVELOPING SPECIFICATIONS FOR INDIVIDUAL PROJECTS AND SPECIFIC CONDITIONS.

1. PERVIOUS CONCRETE SPECIFICATIONS
 DESIGN THICKNESS - PERVIOUS CONCRETE APPLICATIONS SHALL BE DESIGNED SO THAT THE THICKNESS OF THE CONCRETE SLAB SHALL SUPPORT THE TRAFFIC AND VEHICLE TYPES THAT WILL BE CARRIED. APPLICATIONS MAY BE DESIGNED USING EITHER STANDARD PAVEMENT PROCEDURES (E.G., ASHTO, AASHTO, AASHTO, AASHTO) OR USING STRUCTURAL VALUES DERIVED FROM FLEXIBLE PAVEMENT DESIGN PROCEDURES.

MIX & INSTALLATION - TRADITIONAL PORTLAND CEMENTS (ASTM C 150, C 1157) MAY BE USED IN PERVIOUS CONCRETE APPLICATIONS. PHOSPHOROUS ADMIXTURES MAY ALSO BE USED. MATERIALS SHOULD BE TESTED (E.G., TRIAL BATCHING) PRIOR TO CONSTRUCTION SO THAT CRITICAL PROPERTIES (E.G., SETTLING TIME, RATE OF STRENGTH DEVELOPMENT, POROSITY, PERMEABILITY) CAN BE DETERMINED.

AGGREGATE - PERVIOUS CONCRETE CONTAINS A LIMITED FINE AGGREGATE CONTENT. COMMONLY USED GRADATIONS INCLUDE ASTM C 33 NO. 67 (3/4" IN. TO NO. 4), NO. 8 (3/8" IN. TO NO. 16) AND NO. 89 (3/8" IN. TO NO. 50) SIEVES. SINGLE-SIZED AGGREGATE (UP TO 1" IN.) MAY ALSO BE USED.

WATER CONTENT - WATER-TO-CEMENT RATIOS BETWEEN 0.27 AND 0.30 ARE USED ROUTINELY WITH PROPER INCLUSION OF CHEMICAL ADMIXTURES. WATER QUALITY SHOULD MEET ACI 308 AS A GENERAL RULE. POTABLE WATER SHOULD BE USED ALTHOUGH RECYCLED CONCRETE PRODUCTION WATER MEETING ASTM C 89 OR ASHTO M 157 MAY ALSO BE USED.

ADMIXTURES - CHEMICAL ADMIXTURES (E.G., RETARDERS OR HYDRATION-STABILIZERS) ARE USED TO OBTAIN SPECIAL PROPERTIES IN PERVIOUS CONCRETE. USE OF ADMIXTURES SHOULD MEET ASTM C 494 (CHEMICAL ADMIXTURES) AND ASTM C 260 (AIR ENTRAINING ADMIXTURES) AND CLOSELY FOLLOW MANUFACTURER'S RECOMMENDATIONS. BASE COURSE - THE BASE COURSE SHALL BE ASHTO NO. 3 OR 4 COURSE AGGREGATE WITH AN ASSUMED OPEN PORE SPACE OF 30% (n=0.30).

2. PERVIOUS INTERLOCKING CONCRETE PAVEMENTS (PICP)
 CURB BLOCKS - BLOCKS SHOULD BE EITHER 3" OR 4" IN. THICK AND MEET ASTM C 936 OR CSA A231.2 REQUIREMENTS. APPLICATIONS SHOULD HAVE 20% OR MORE (40% PREFERRED) OF THE SURFACE AREA OPEN. INSTALLATION SHOULD FOLLOW MANUFACTURER'S INSTRUCTIONS, EXCEPT THAT INFILL AND BASE COURSE MATERIALS AND DIMENSIONS SPECIFIED IN THIS APPENDIX SHALL BE FOLLOWED.

INFILL MATERIALS AND LEVELING COURSE - OPENINGS SHALL BE FILLED WITH ASTM C-33 GRADED SAND OR SANDY LOAM. PICP BLOCKS SHALL BE PLACED ON A ONE-INCH THICK LEVELING COURSE OF ASTM C-33 SAND.

BASE COURSE - THE BASE COURSE SHALL BE ASHTO NO. 3 OR 4 COURSE AGGREGATE WITH AN ASSUMED OPEN PORE SPACE OF 30% (n=0.30).

3. REINFORCED TURF
 REINFORCED GRASS PAVEMENT (RGP) - WHETHER USED WITH GRASS OR GRAVEL, THE RGP THICKNESS SHALL BE AT LEAST 1-3/4" THICK WITH A LOAD CAPACITY CAPABLE OF SUPPORTING THE TRAFFIC AND VEHICLE TYPES THAT WILL BE CARRIED.

SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT.
- REMOVE MINIMUM AMOUNT OF EXIST PAVEMENT TO INSTALL PROPOSED CURB AND GUTTER AND INSTALL PROPOSED CURB AND GUTTER.
- INSTALL SEDIMENT TRAP AND SILT FENCE.
- ROUGH GRADE SITE.
- CONSTRUCT BUILDING, SIDEWALK, ETC.
- COMPLETE SITE WORK, STABILIZING ALL DISTURBED AREAS IN ACCORDANCE WITH PERMANENT SEEDING NOTES.
- UPON APPROVAL OF THE SEDIMENT CONTROL INSPECTOR REMOVE SEDIMENT TRAP AND STABILIZE IN ACCORDANCE WITH PERMANENT SEEDING NOTES.

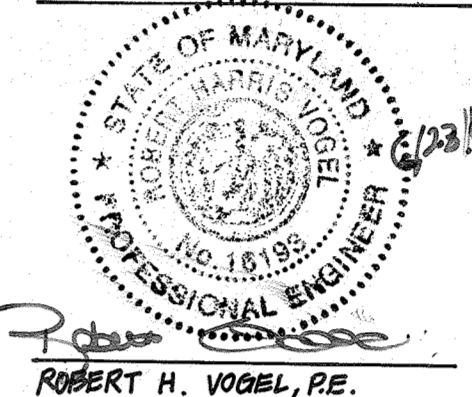
OPERATION AND MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED PERMEABLE PAVEMENT (A-2)

- THE OWNER SHALL PERIODICALLY SWEEP (OR VACUUM POROUS CONCRETE PAVEMENT) THE PAVEMENT SURFACES TO REDUCE SEDIMENT ACCUMULATION AND ENSURE CONTINUED SURFACE POROSITY. SWEEPING SHOULD BE PERFORMED AT LEAST TWICE ANNUALLY WITH A COMMERCIAL CLEANING UNIT, WASHING OR COMPRESSED AIR UNITS SHOULD NOT BE USED TO PERFORM SURFACE CLEANING.
- THE OWNER SHALL PERIODICALLY CLEAN DRAINAGE PIPES, INLETS, STONE EDGES, DRAINS AND OTHER STRUCTURES WITHIN OR DRAINING TO THE SUBBASE.
- THE OWNER SHALL USE DEICERS IN MODERATION. DEICERS SHOULD BE NON-TOXIC AND BE APPLIED EITHER AS CALCIUM MAGNESIUM ACETATE OR AS PRETREATED SALT.
- THE OWNER SHALL ENSURE SNOW PLOWING IS PERFORMED CAREFULLY WITH BLADES SET ONE INCH ABOVE THE SURFACE. PLOWED SNOW PILES AND SNOWHELS SHOULD NOT BE DIRECTED TO PERMEABLE PAVEMENT.

FOR REVISION 1 ONLY
 11/24/83



FOR REVISION 2 ONLY



12/2/84 1 ADD ADA DEVICE, REPLACE SECTIONS OF SIDEWALK AND REVISE ADA PARKING

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."

DEVELOPER: PETER ISSSEL DATE: 11-19-84

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."

ENGINEER: [Signature] DATE: 11/19/84

REVIEWED FOR: [Signature] S.C.D. NAME

AND MEETS TECHNICAL REQUIREMENTS
 U/S SOIL CONSERVATION SERVICE DATE: 11/29/84

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

[Signature] DATE: 11-26-84
 HOWARD S.C.D.

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

[Signature] DATE: 1-16-85
 HEALTH OFFICER

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

[Signature] DATE: 1-18-85
 PLANNING DIRECTOR

[Signature] DATE: 1-18-85
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

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

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

[Signature] DATE: 1-14-85
 DIRECTOR

[Signature] DATE: 1-14-85
 CHIEF, BUREAU OF ENGINEERING

11/19/83 3 REVISE TO ADD 380 SF PATIO
 4/19/81 2 MODIFY EXISTING PARKING LOT TO ACCOMMODATE ADDITIONAL PARKING

OWNER/DEVELOPER
 10840 LIMITED PARTNERSHIP
 SUITE 201, OVERLOOK CENTER
 COLUMBIA, MARYLAND 21045

PROJECT:
 COLUMBIA PROFESSIONAL CENTER

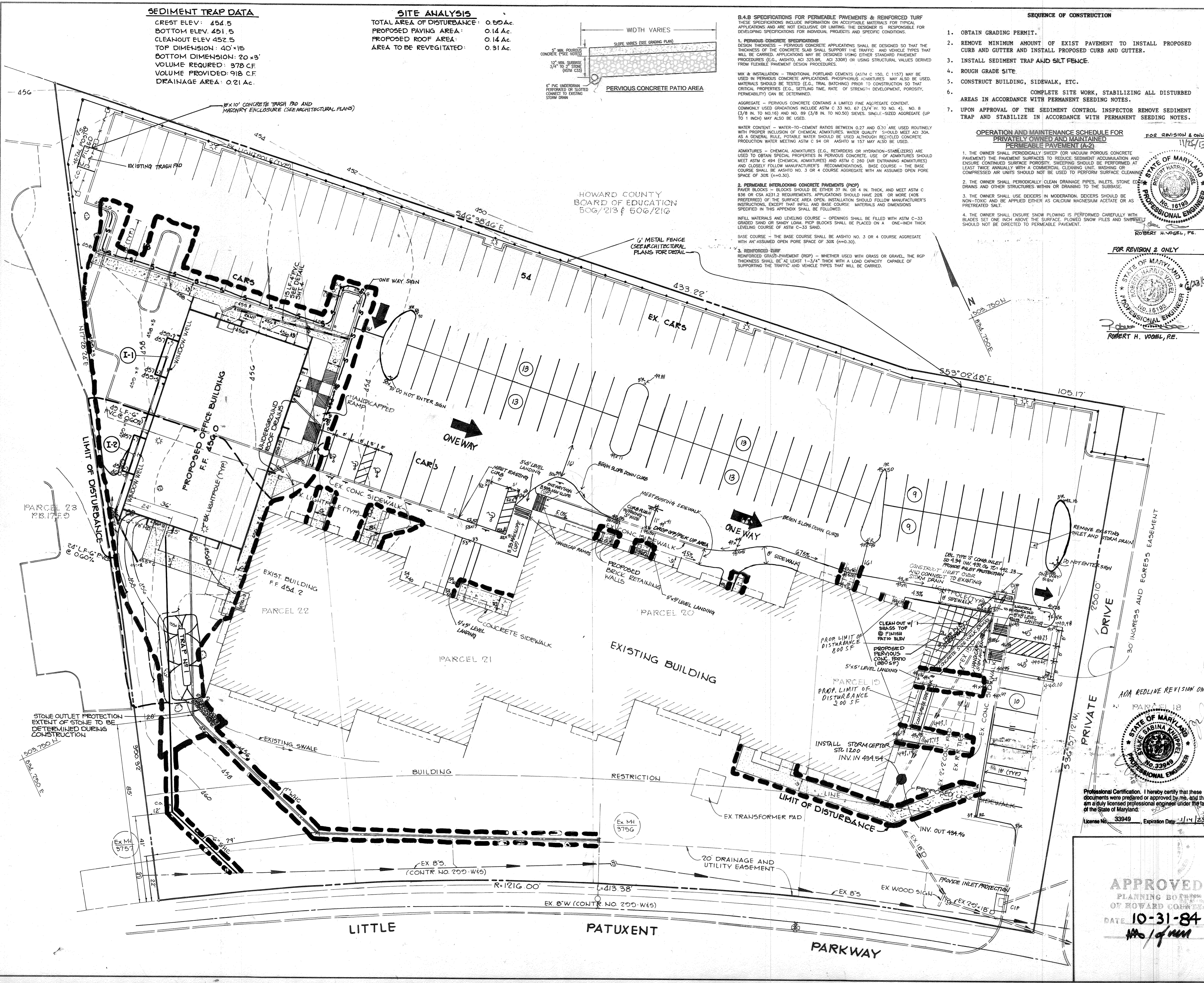
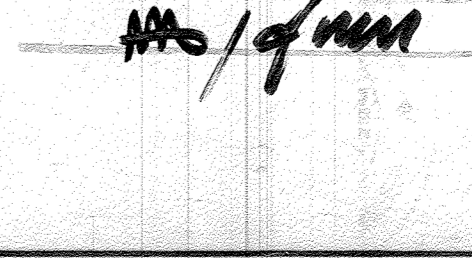
AREA COLUMBIA - VILLAGE OF WILDE LAKE
 SECTION 10, AREA 5 - PARCELS 10, 20, 21 & 22
 5TH ELECTION DISTRICT HOWARD COUNTY, MD

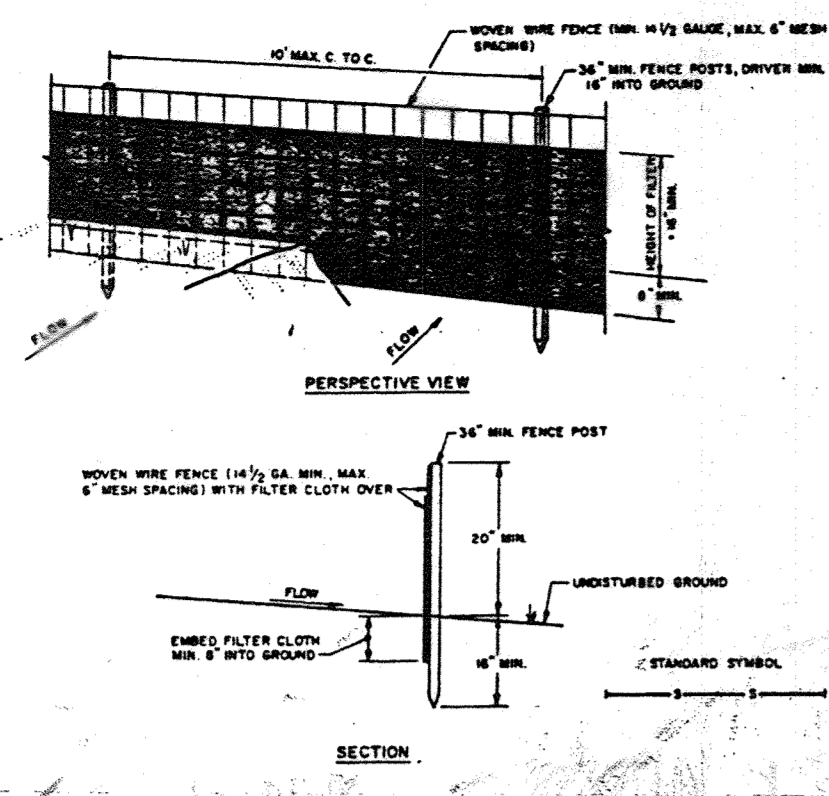
TITLE:
 SEDIMENT CONTROL PLAN
 AND DRAINAGE AREA MAP

THE RIEMER GROUP, INC.
 A LAND PLANNING, DESIGN & CIVIL ENGINEERING FIRM
 3105 HEALTH PARK DRIVE, ELLICOTT CITY, MD. 21043 301 461-2890

11/19/84 DATE
 TAX MAP 35
 DESIGNED BY: A.E.M.
 DRAWN BY: D.A.M.
 PROJECT NO 002600
 DATE: 2/12/84
 SCALE: 1"=20'
 DRAWING NO. 3 OF 5

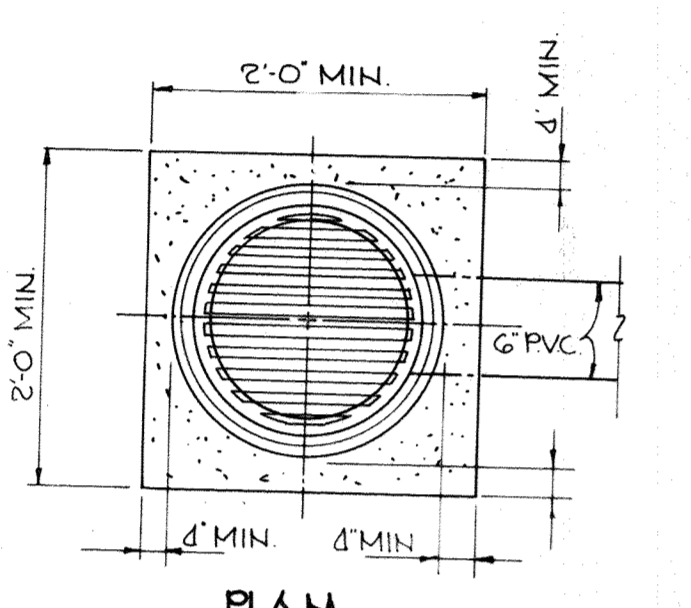
APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE: 10-31-84
 [Signature]



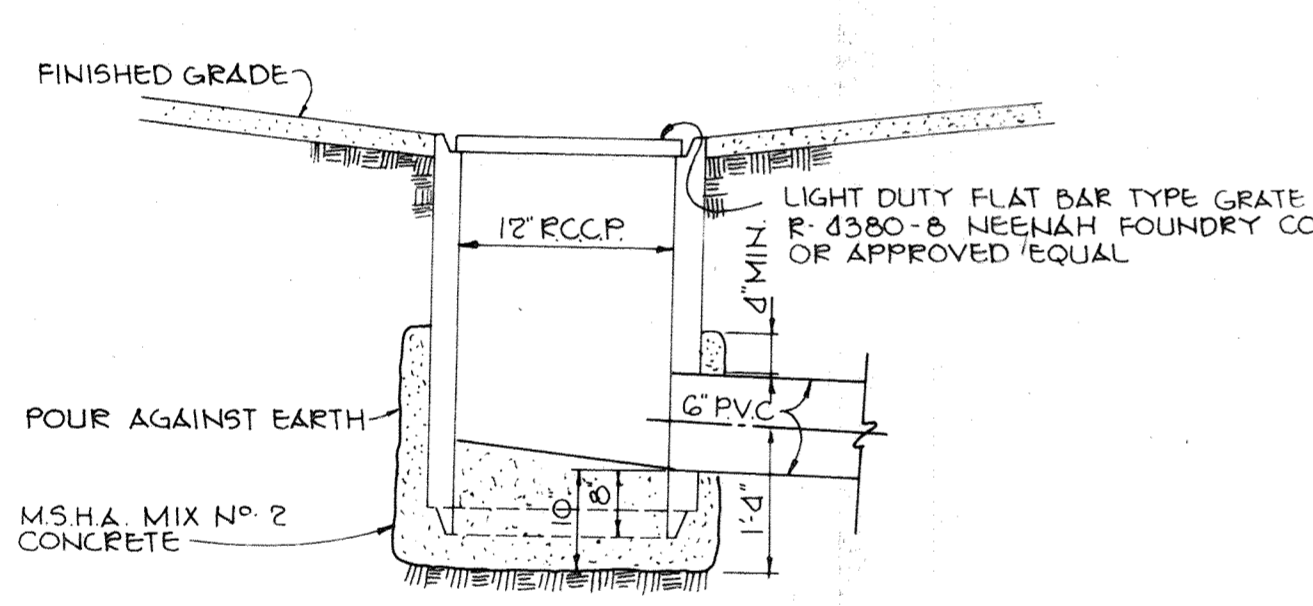


- CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
 2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
 3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
 4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BALGES" DEVELOP IN THE SILT FENCE.
- POSTS:** STEEL EITHER T OR U TYPE OR 2" WOODKOD
FENCE: WOVEN WIRE, 1/4" GA. @ 2" MAX. WIRE SPACING
FILTER CLOTH: FILTER #1, 3/4" X 1/4" MESH, 1.5" MIN. W/ 1/4" STITCH APPROVED EQUAL
FABRIC: 1.5" MIN. W/ 1/4" STITCH APPROVED EQUAL
PREPARATION: UNIT: GEOFF. SURFACE, OR APPROV. EQUAL

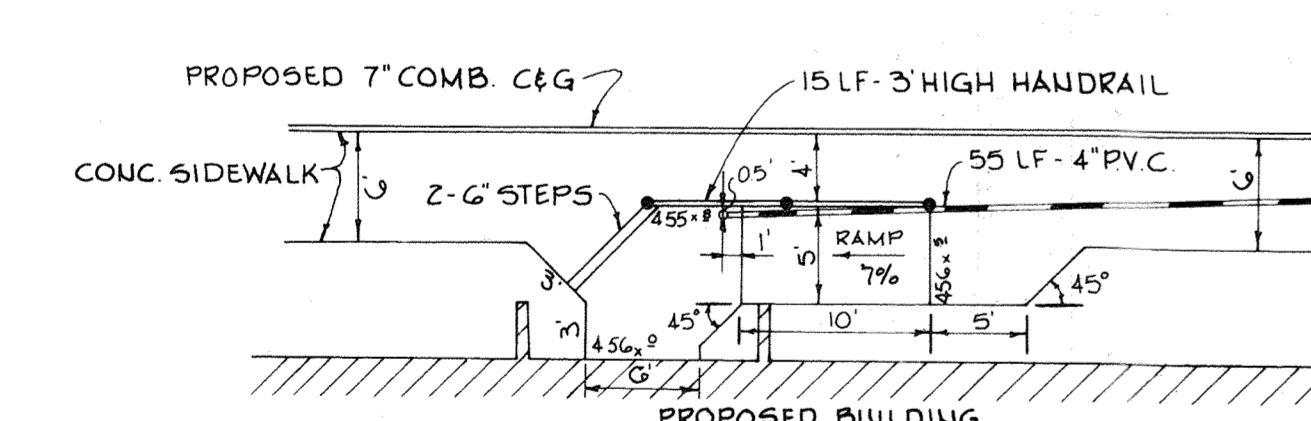
SILT FENCE
NO SCALE



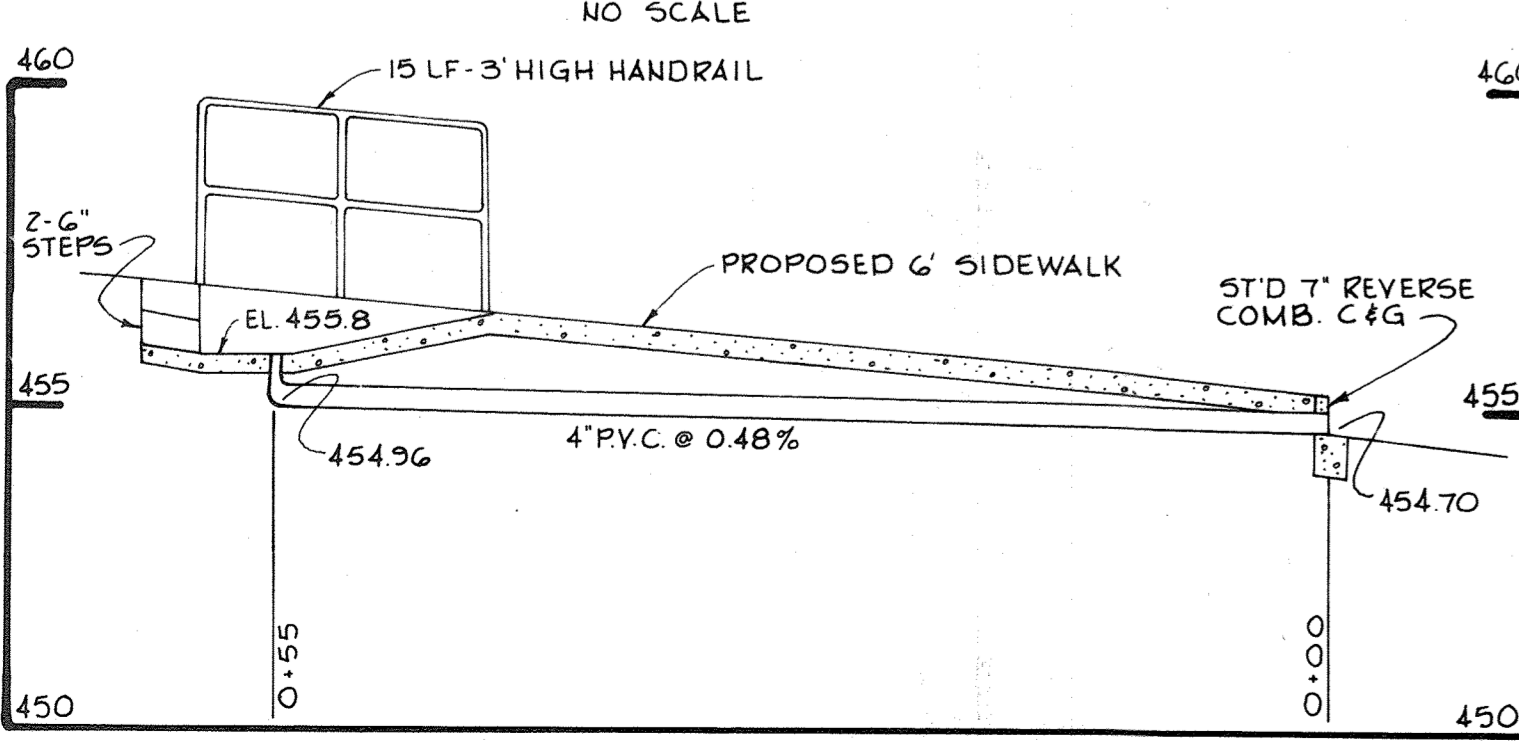
PLAN



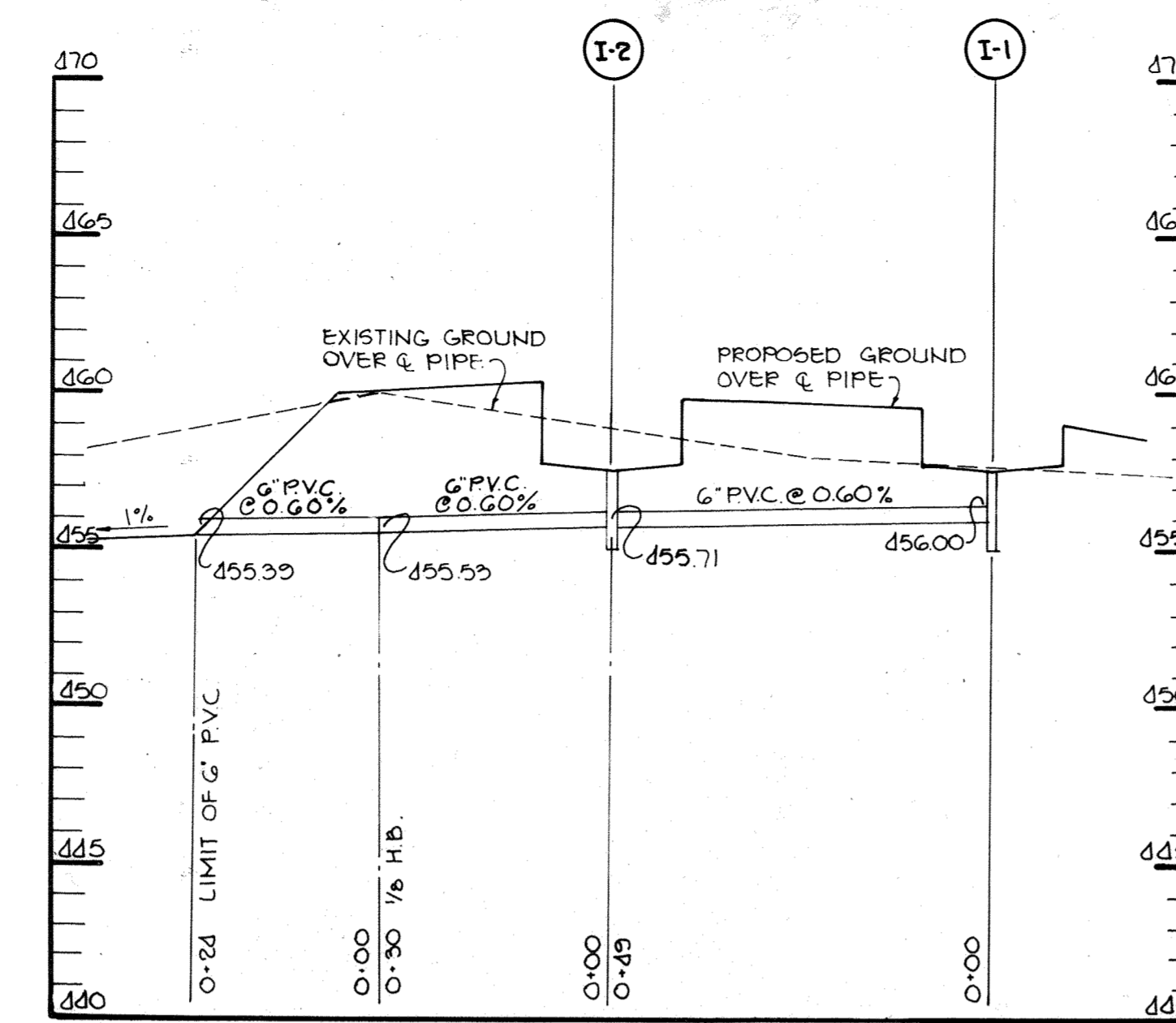
INLET DETAIL @ I-1 & I-2
NO SCALE



HANDICAP RAMP
NO SCALE



PROFILE
SCALE: HOR: 1"=10'
VERT: 1"=3'



PROFILE
SCALE: HOR: 1"=20'
VERT: 1"=5'

SEDIMENT CONTROL CONSTRUCTION NOTES

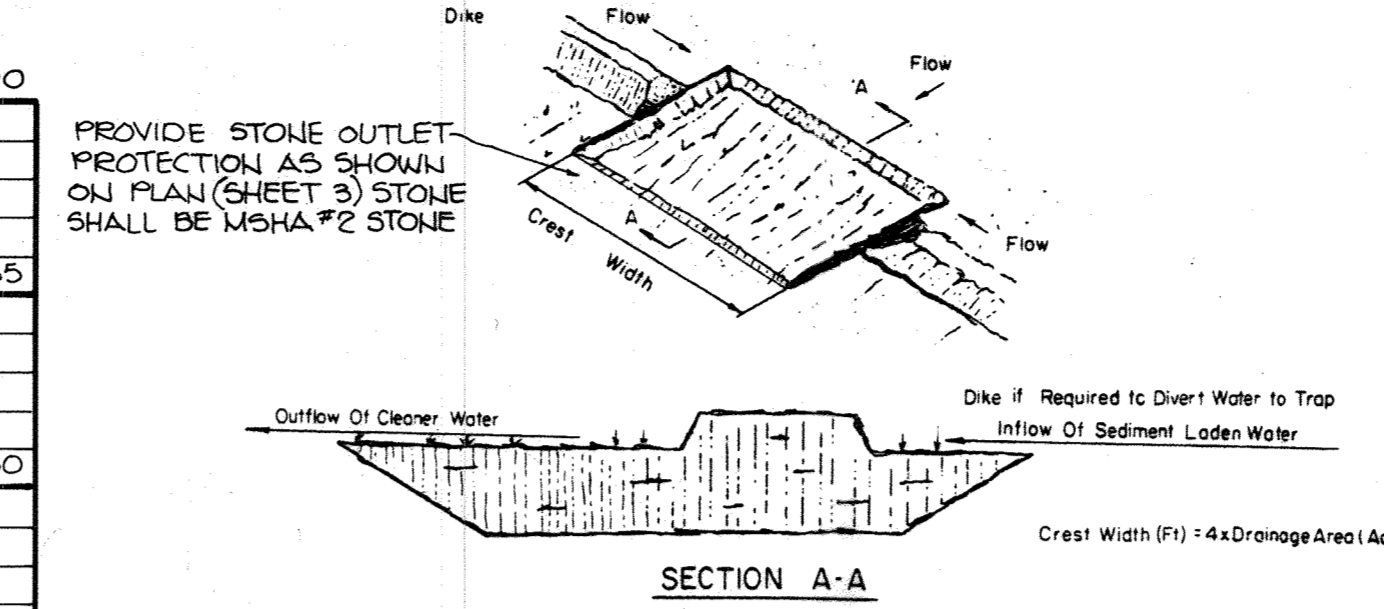
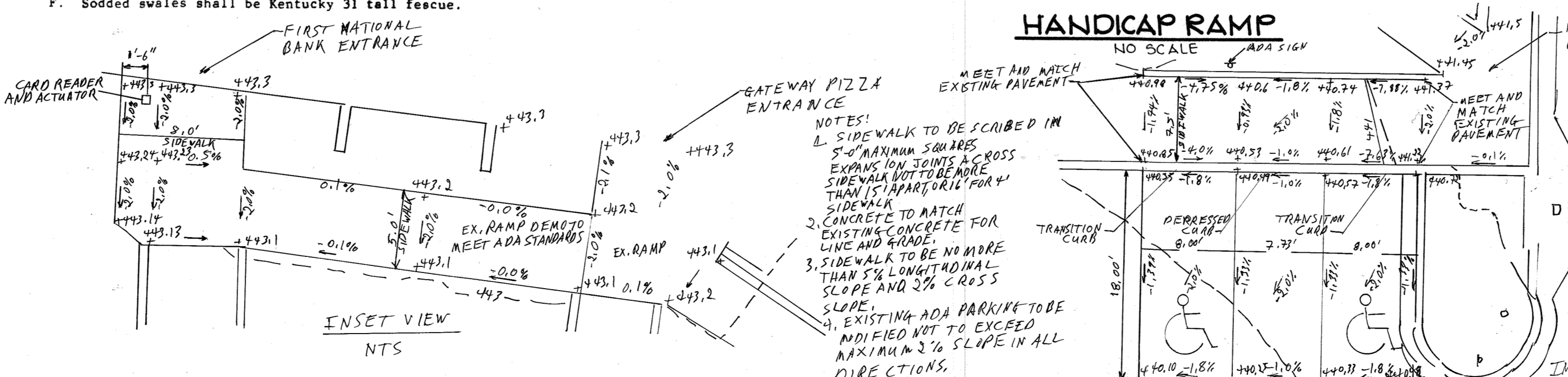
- GENERAL NOTES**
1. A minimum of 24 hours notice must be given to the Howard County Office of Inspections and Permits prior to the start of any construction. (992-2437)
 2. All sediment control structures will be installed in accordance with '1983 Maryland Standards and Specifications for Soil Erosion and Sediment Control' as published by Soil Conservation Service, Water Resources Administration and State Soil Conservation Committee.
 3. Site grading will begin only after all perimeter sediment control measures have been installed and are in a functioning condition.
 4. All perimeter sediment control structures, dikes, swales, ditches, perimeter slopes and all slopes greater than 3:1 will be stabilized with in (7) seven calendar days and all other disturbed or graded areas on the site with in (14) fourteen calendar days.
 5. Sediment will be removed from traps when its depth reaches the clean out elevation shown on the plans.
 6. Fertilizer and lime rates may be changed through authorization by the Howard Soil Conservation District if soil test determine a reduction in the specified rates is justified.
 7. All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
 8. References called for on the sediment control construction plan and details are made to '1983 Maryland Standards and Specifications for Soil Erosion and Sediment Control'.
 9. Sediment control will be installed before clearing and grubbing remainder of the site.
 10. All sediment traps and basins shall be fenced and warning signs posted around the perimeter in accordance with Volume 1, Chapter 12 of the Howard County Design Manual.

TEMPORARY SEEDING

- Area to be seeded shall be recently loosened. If the ground is packed, crusted or hard, the top layer of soil shall be loosened by disking, raking or other acceptable means.
- A. Apply 10-20-10 fertilizer (or equivalent) at the rate of 600 lbs. per acre or 15 lbs. per 1000 square feet.
 - B. Where soil is known to be highly acid, apply dolomitic limestone at the rate of 1 ton per acre.
 - C. Work both into soil and seed with cyclone seeder, drill, cultipacker seeder or hydroseeder (slurry will include seed and fertilizer) at the rate of 40 lbs. per acre of Italian or perennial ryegrass.
 - D. Mulch with unweathered small grain straw at the rate of 1 1/2 to 2 tons, per acre and anchor with a cutback asphalt or emulsified asphalt at the rate of 5 gal. per 1000 square feet.

PERMANENT SEEDING

- Final stabilization will take place as soon as possible as weather conditions permit, as follows:
- A. Apply dolomitic limestone at the rate of 2 tons per acre (one ton per acre if application of ton per acre was made for temporary seeding.)
 - B. Apply 0-20-20 fertilizer at the rate of 600 lbs. per acre harrow or disc line and 0-20-20 fertilizer into the soil to a minimum depth of 3" in lawns or high maintenance areas will be dragged and leveled with a York rake. At the time of seeding apply 400 pounds of 30-0-0 ureaform fertilizer and 500 lbs. of 10-20-20 or equivalent fertilizer per acre.
 - C. Seed with a mixture of certified 'Merion' Kentucky bluegrass - 40 lbs. per acre; common Kentucky bluegrass @ 40 lbs. per acre; Red Fescue, Pennlawn or Jamestown @ 20 lbs. per acre.
 - D. Mulch with unweathered small grain straw at the rate of 1 1/2 to 2 tons per acre and anchor with a cutback asphalt or emulsified asphalt at the rate of 5 gallons per 1000 square feet.
 - E. Seed all slopes with a mixture of certified Kentucky 31 tall fescue @ 50 lbs. per acre and inoculated Korean Lespedeza @ 15 lbs. per acre.
 - F. Sodded swales shall be Kentucky 31 tall fescue.

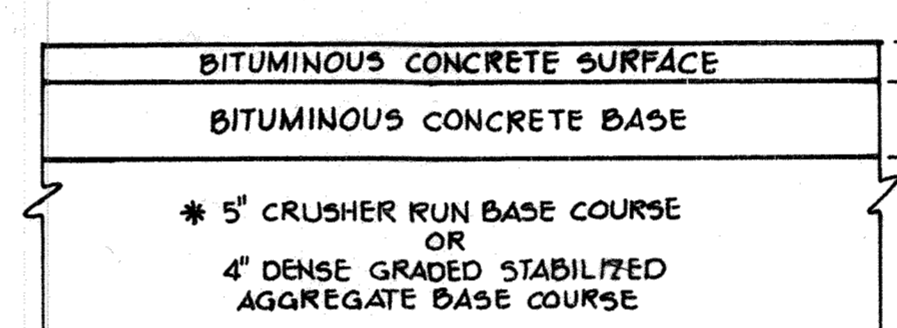


EXCAVATED GRASS OUTLET SEDIMENT TRAP

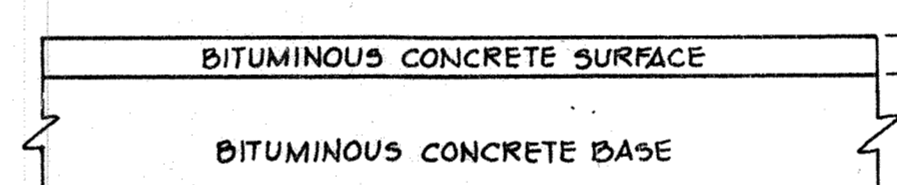
CONSTRUCTION SPECIFICATION FOR ST-II

1. Volume of sediment storage shall be 1800 cubic feet per acre of contributory drainage area.
2. Minimum crest width shall be 4 X Drainage Area.
3. 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. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
4. The structure shall be inspected after each rain and repairs made as needed.
5. Construction operations shall be carried out in such a manner that erosion and water pollution shall be minimized.
6. The sediment trap shall be removed and area stabilized when the remaining drainage area has been properly stabilized.
7. All cut slopes shall be 1:1 or flatter.

GRASS OUTLET SEDIMENT TRAP



(ALTERNATE)

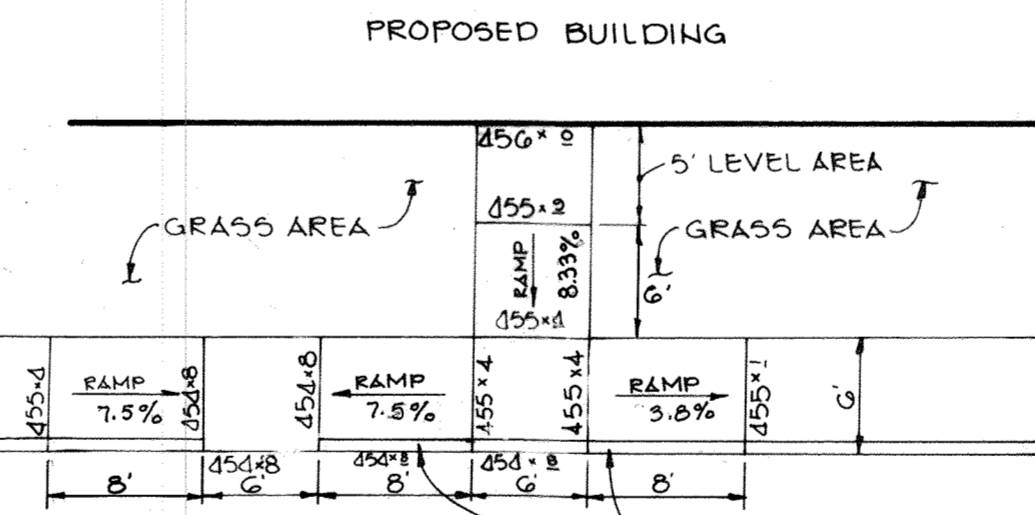


HOWARD COUNTY DESIGN MANUAL VOLUME II - STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (DRAWING R-2.01)

(5" PAVING, P-1)

TYPICAL PAVING SECTION

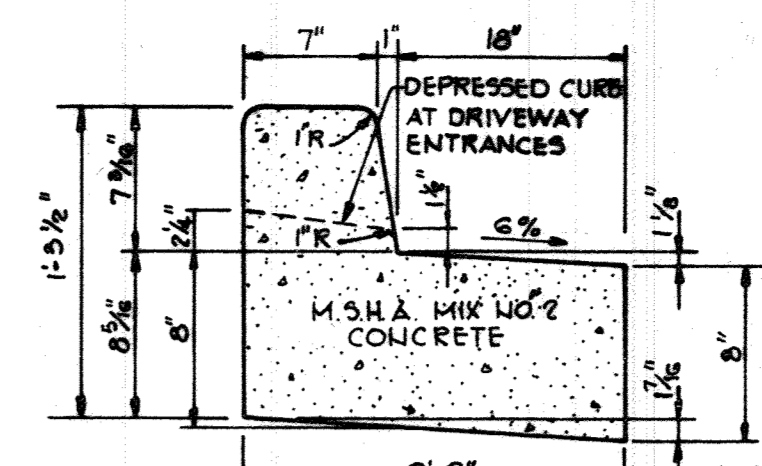
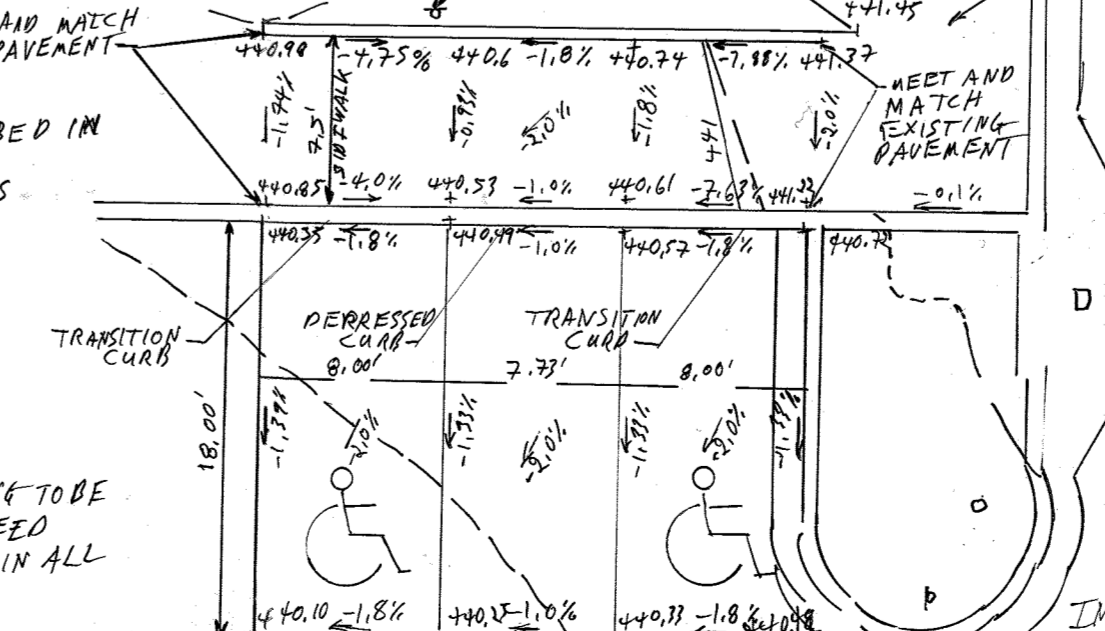
NO SCALE



SURFACE TEXTURE OF CONCRETE RAMP SHALL BE COARSE BROOMING OR OTHER NON-SKID TYPE FINISH.
 * STANDARD 7" COMBINATION CURB AND GUTTER IS SHOWN. DETAILS TO BE SIMILAR FOR MODIFIED CURB AND GUTTER AND BITUMINOUS CURB EXCEPT THAT FLOW LINE LIP IS TO BE OMITTED.

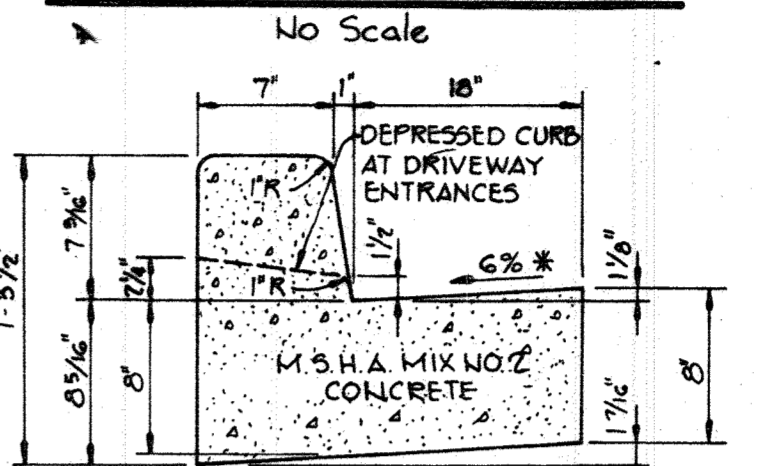
HANDICAP RAMP

NO SCALE



REVERSE 7" COMBINATION CURB AND GUTTER

NO SCALE

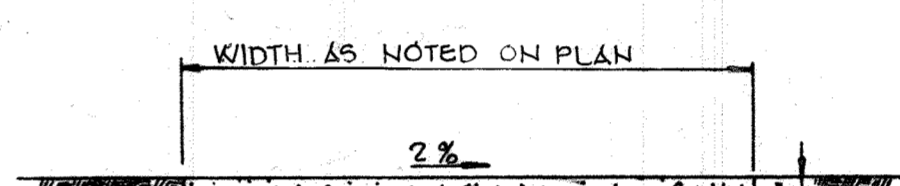


STANDARD 7" COMBINATION CURB AND GUTTER

NO SCALE

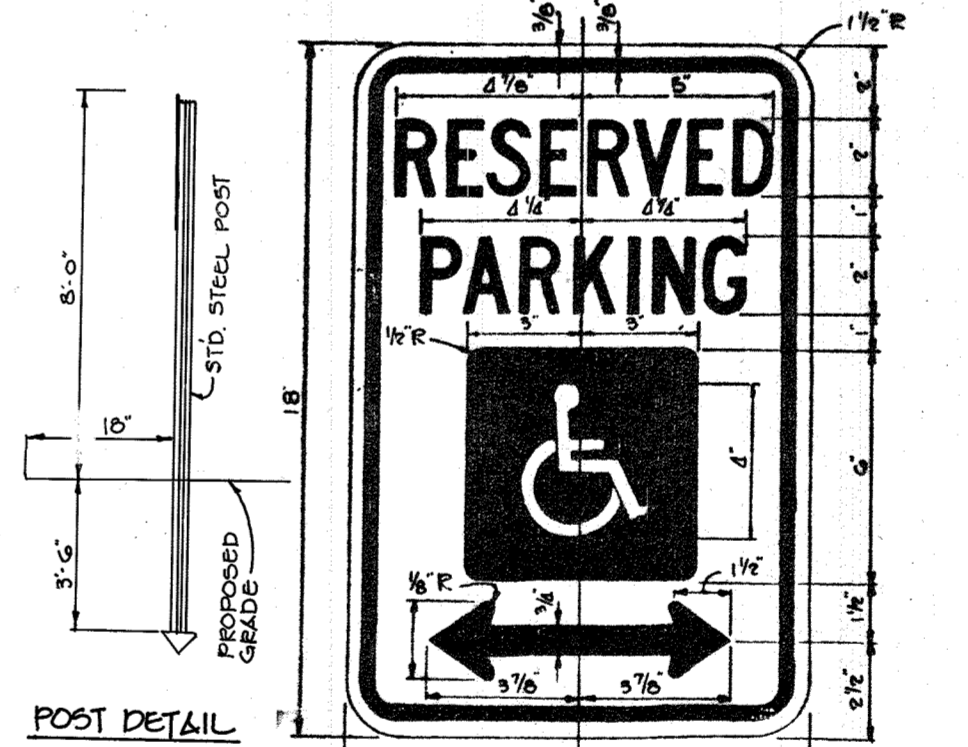
GRASS OUTLET SEDIMENT TRAP

NO SCALE



SIDEWALK DETAIL

NO SCALE



HANDICAP SIGN

NO SCALE

APPROVED PLANNING BOARD OF HOWARD COUNTY

DATE: 10-31-84

DATE: 10-31-84

DATE: 10-31-84

ADD ADA DEVICE REPLACE SECTIONS OF SIDEWALK AND REVISE ADA PARKING

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.
 DEVELOPER: PETER TISSEL
 DATE: 11-19-84

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.
 ENGINEER: [Signature]
 DATE: 11/19/84

REVIEWED FOR: Howard S. C. D.
 AND MEETS TECHNICAL REQUIREMENTS
 U.S. SOIL CONSERVATION SERVICE
 DATE: 11/26/84

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 HOWARD S. C. D.
 DATE: 11-26-84

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

DATE: 1-16-85
 HEALTH OFFICER

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

DATE: 1-18-85
 PLANNING DIRECTOR

DATE: 1-18-85
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

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

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DATE: 1-16-85
 DIRECTOR

DATE: 1-18-85
 CHIEF, BUREAU OF ENGINEERING

DATE: 1-18-85
 REVISION

OWNER/DEVELOPER
 10840 LIMITED PARTNERSHIP
 SUITE 201, OVERLOOK CENTER
 COLUMBIA, MARYLAND 21045

PROJECT
 COLUMBIA PROFESSIONAL BUILDING

AREA COLUMBIA - VILLAGE OF WILDE LAKE
 SECTION 10, AREA 5 - PARCELS 10, 20, 21 & 22
 5TH ELECTION DISTRICT HOWARD COUNTY, MD

TITLE
 DETAILS

THE RIEMER GROUP, INC.
 A LAND PLANNING, DESIGN & CIVIL ENGINEERING FIRM
 3105 HEALTH PARK DRIVE, ELLICOTT CITY, MD. 21043 301-461-2690

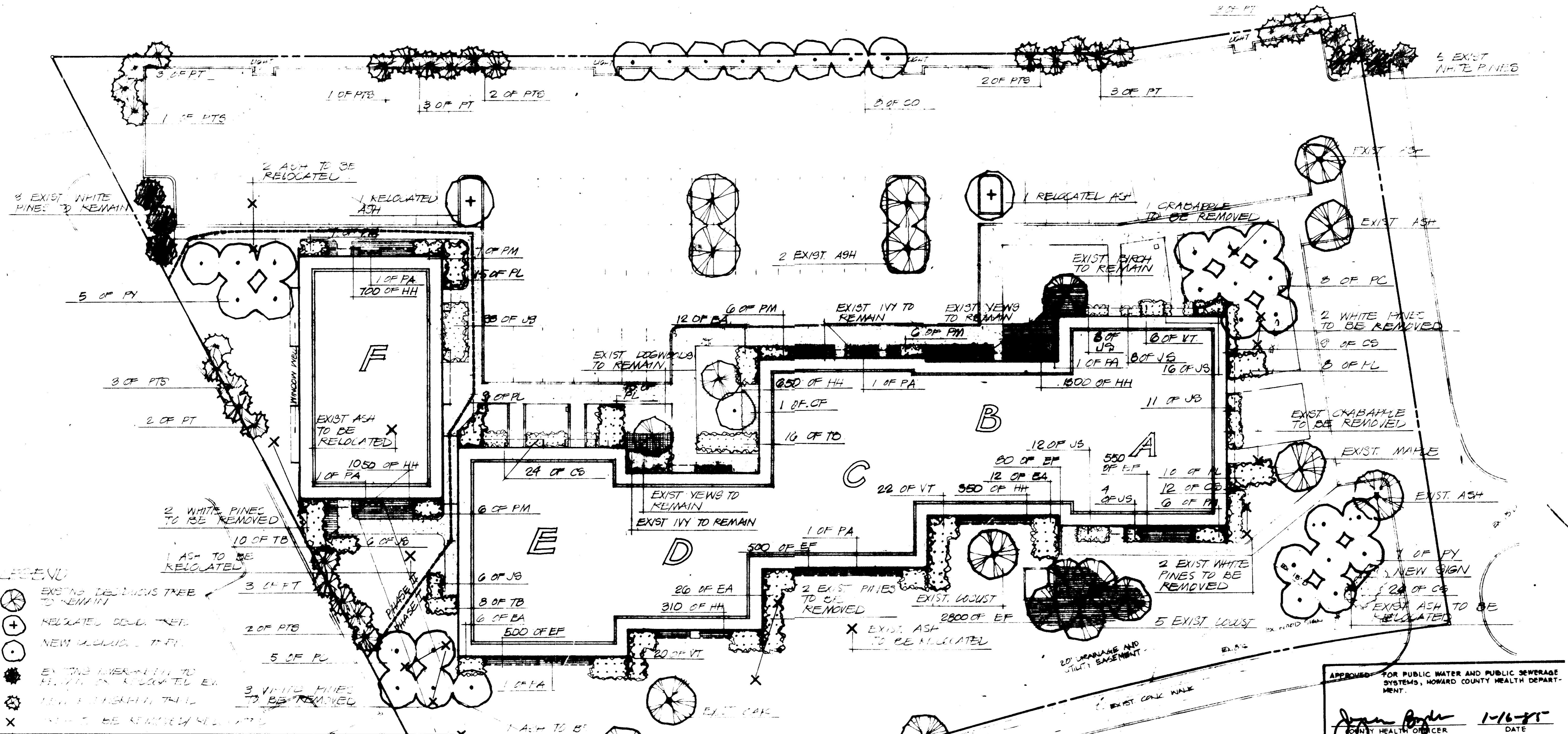
DATE: 11/10/84
 TAX MAP 35

DESIGNED BY: D.A.M.

DRAWN BY: D.A.M.

PROJECT NO: 002G00

DATE: 11/12/84
 SCALE: AS SHOWN
 DRAWING NO. 4 OF 5



- LEGEND**
- EXISTING DECIDUOUS TREE TO REMAIN
 - RELOCATED DECIDUOUS TREE
 - NEW DECIDUOUS TREE
 - EXISTING EVERGREEN TO REMAIN
 - NEW EVERGREEN
 - TREE TO BE REMOVED

SYM	NO.	PLANT NAME	NOTES
OP	1	COENOSTEMMA - FLOERENS DOBICKI	6-10" B+B
OP	8	CYRILLUS - ANA ANITA	8-10" B+B SINGLE ST.
OP	13	FRAXINUS - LERAEFFKA THUNBERGII - PLUM	8-10" B+B MATCHED
OP	12	FRAXINUS - LERAEFFKA THUNBERGII - PLUM	8-10" B+B MATCHED
OP	11	PRUNUS THUNBERGII - JAPANESE BLACK PINE	5-6" B+B
OP	17	PRUNUS THUNBERGII - JAPANESE BLACK PINE	7-9" B+B
EA	33	COENOSTEMMA - FLOERENS DOBICKI	15-18" CONT.
EA	56	EUCALYPTUS ALATA COMPACTA - BURNING BUSH	2-2 1/2' B+B
EA	152	JUNIPERUS SPINENSIS SARGENTI - JUNIPER	15-18" CONT.
EA	57	PRUNUS MICROCARPA - ST. LUKAS	2-2 1/2' B+B
EA	3	PYRAJANTHA SALICINA - MOHAVE - FIRETHORN	3-4" CONT. ESPAL.
EA	44	PRUNUS THUNBERGII - JAPANESE BLACK PINE	13-24" CONT. 13/18
EA	36	TAXUS DALATA - KAMAOKI - ENO, VEI	2-2 1/2' CONT. 13/18
EA	48	NEURITUM TOMENTOSUM MARIENI - DOUBLEDIE VIB.	2 1/2 - 3' B+B
EF	4300	EUONYMUS FORTUNEI COLORATUS - NORTHERN PER	2 1/2" POT 6" O.D.
EF	4000	HELENA HELIX BALTICA - BALTO IVY	2 1/2" POT 6" O.D.

REVISIONS:
 8/28/84
 9/27/84 PER H&O COMMENTS ORIGINAL PLAN 7/20/84

- NOTES:**
- All plants to be nursery grown and furnished in accordance with AAN "American Standards for Nursery Stock" ANSI Z60.1-1973.
 - All trees to branch symmetrically around central leader. No forked leader stock will be accepted.
 - Plants to be installed in accordance with accompanying specification.
 - Plant material types and sizes may vary due to market availability at time of construction. Any substitutions are to be of equivalent type and size, and must be approved in writing by the landscape architect. Containerized shrub stock may be substituted for B&B shrubs if approved in writing by the landscape architect.
 - Mulch to be 2-3" deep, shredded, pine bark. All shrubs to be mulched in beds.
 - Backfill to be premixed and composed of 2/3 existing soil, 1/3 polymer dewatered composted sewer sludge, or approved equal with a pH value of 5.5 - 6.5.
 - Spray trees and shrubs with anti-desiccant, if foliage is present.
 - Installation of pines and oaks shall be during spring planting season only. No fall planting.
 - The contractor shall notify all utility companies five (5) days prior to beginning work.
 - Any damage to the existing utilities, buildings, paving, curb, walls, and vegetation (not so designated for removal on these plans) shall be repaired to previous condition or replaced by the contractor at his expense.
- PHASE I FALL PLANTING 1984 - PLANTS FOR BUDS A-E; ALL PLANT REMOVAL
 PHASE II SPRING 1985 - PLANTS FOR BUDS F - PINE INSTALLATION

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
 [Signature] 1-16-85
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
 [Signature] 1-18-85
 PLANNING DIRECTOR DATE

[Signature] 1-18-85
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 [Signature] 1-14-85
 DIRECTOR DATE

[Signature] 1-14-85
 CHIEF, BUREAU OF ENGINEERING DATE

PROJECT: COLUMBIA PROFESSIONAL CENTER
 PLANTING PLAN

DATE: 10-31-84
 [Signature]

SCALE: 1"=20'
 SHEET 3 OF 5
 SDP-85-57c