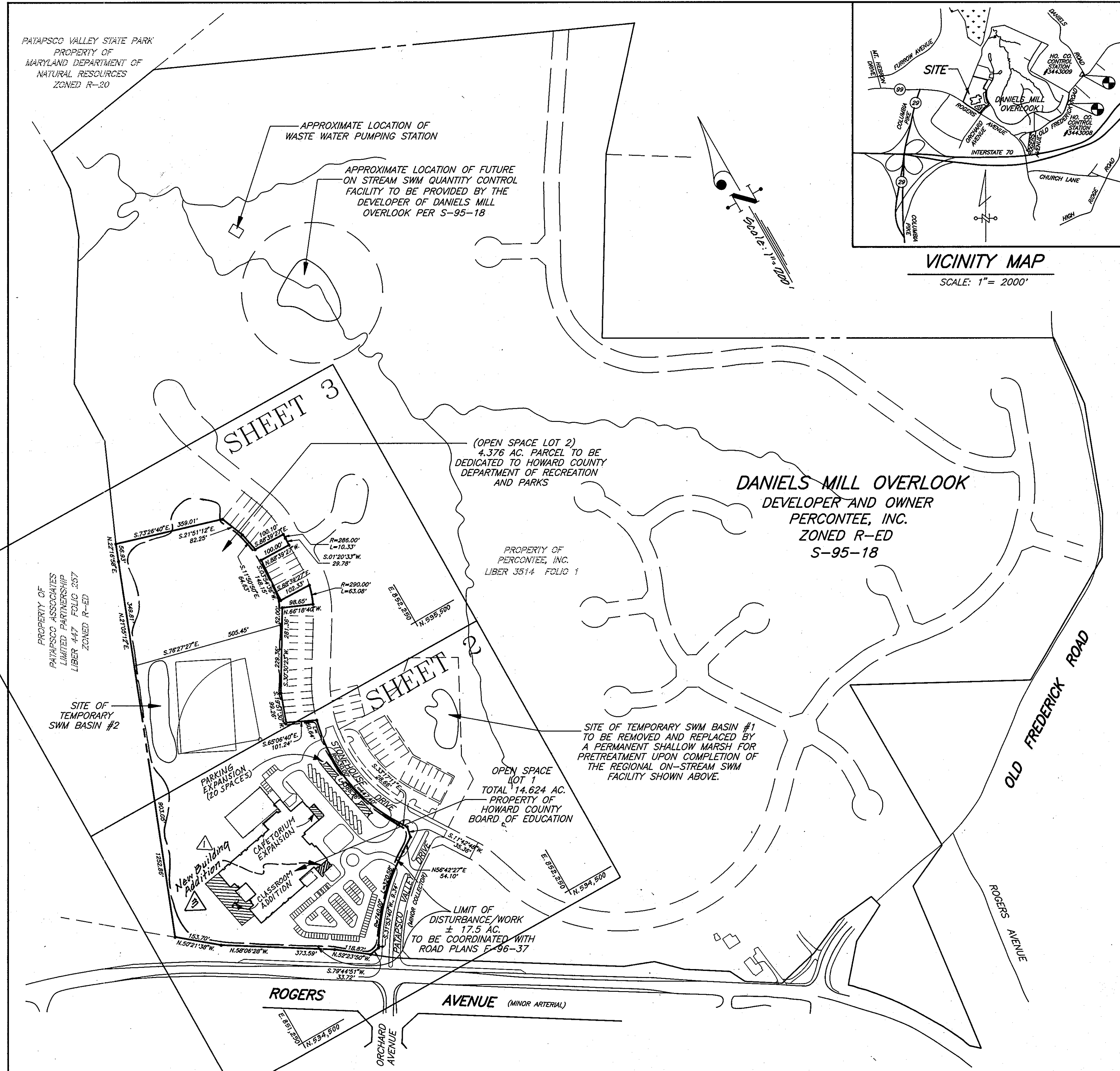


GENERAL NOTES

- Construction of this project is intended to be executed in close conjunction with the Road Construction Plans for Daniels Mill Overlook Lots 1 through 3 and Parcel "A" (F-96-37 Approved 12-7-95).
- All construction shall be in accordance with the latest standards and specifications of Howard County plus MSHA standards if applicable.
- The contractor shall notify the Bureau of Engineering/Construction Inspection Division at (410) 313-1880 at least five (5) working days prior to the start of work.
- The contractor shall notify "Miss Utility" at 1-800-257-7777 at least 48 hours prior to any excavation work.
- Project Background:
 - Location: Tax Map #17, Part of Parcel 41
 - Zoning: R-ED
 - ZB/BA REF: ZB-965M
 - Election District: 2nd Election District
 - Section/Area: N/A
 - Site Area - 19 ac. O.S. Lots 1 & 2
 - Final Plan Reference: F-96-37 Approved 3/23/96
 - Other DP&Z Reference Files: S-95-18 Approved, 5/15/95; WP-95-74, Approved 4/21/95; ZB-965M, County Council Resolution 83-1985 permitting parking lot in 75' use setback; WP 96-90, Approved 11-2-95 to waive Preliminary Plan & detest Forest Cons. Plan
- Traffic control devices, markings and signing shall be in accordance with the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD). All street and regulatory signs shall be in place prior to the placement of any asphalt.
- Topographic survey mapping at 2' contour intervals provided by Photo Science, Inc., dated April 13, 1989; c/o Fisher, Collins And Carter, Inc.
- Boundary coordinates are based on NAD 83' Maryland Coordinate System as projected by Howard County Geodetic Control Stations No. H.C.M. 17EA & No. H.C.M. 17EB.

STATION No. H.C.M. 17EA	N 181160.5724 (METERS)
	E 413772.7247 (METERS)
STATION No. H.C.M. 17EB	N 180994.8448 (METERS)
	E 413227.8979 (METERS)
- All plan dimensions are to the face of the curb unless otherwise noted.
- Public water and public sewer systems are to be utilized for this site and are extended from the limits of existing Contract Nos. 70-W and 10-1352-D (Potapasco Water Shed) by: Water Extension Contract No. 14-3499 Sewer Extension Contract No. 14-3499 Water Main Extension Contract No. 14-3487-D
- Only temporary stormwater management and permanent water quality is provided per Final Plans F-96-37. Water quality in the form of shallow marsh. Permanent quantity management shall be provided in a regional stormwater management facility located in the Daniels Mill Overlook subdivision.
- No floodplain exists within Open Space Lots 1, 2 & 3 or Parcel A which are part of this submission.
- Wetland determination provided by Environmental Systems Analysis, 48 Maryland Ave., Annapolis, MD 21401, in a report dated December 1990 per S-95-18, Approved 5/15/95.
- A traffic study is not required for Open Space Lots 1, 2 & 3 or Parcel A which are part of this submission.
- A noise study is not required for Open Space Lots 1, 2 & 3 or Parcel A which are part of this submission.
- The Geotechnical Report was prepared by Hillis-Carnes Engineering Associates, Inc. dated July 25, Approved 12-7-95.
- Forest Stand Delineation was provided by M.A. Dircks and Co., Inc. dated June 1993 per S-95-18, Approved 5/15/95.
- The existing utilities were located by aerial and field surveys. The contractor must dig test pits, by hand, at all utility crossings and connection points to verify exact location.
- Forest conservation obligations with respect to this site will be provided as part of the development of Daniels Mill Overlook under S-95-18. No forest resources exist or are being removed from this site.
- Handicap parking details shall be in accordance with the "Maryland Building Code for the Handicapped" Section 5.01-7.05.
- All driveways and parking to be owned and maintained by the Howard County Board of Education.
- Any damage to off-site improvements by the contractor to be corrected at the contractor's expense.
- All sidewalks to be cross sloped at 1/4"/ft. away from the building unless otherwise indicated.
- Trench bedding for storm drainage structures shall be in accordance with Howard County Standard G2.01.
- Gutter of curbs shall be pitched to conform to adjacent drainage patterns.
- Refer to architectural drawings for building dimensions.
- For permanent Seeding & Landscaping Specifications see General Contract Specifications.
- Refer to Electrical Site Plan for Exterior Lighting Locations and Specifications.

SITE DEVELOPMENT PLANS FOR NORTHERN ELEMENTARY SCHOOL #3 SECOND (2ND) ELECTION DISTRICT HOWARD COUNTY, MARYLAND



SITE ANALYSIS

- 2 * INCLUDES CLASSROOM AND CAFETERIA ADDITIONS (JUNE, 2001)
- GENERAL SITE DATA
 - Present Zoning: R-ED
 - Proposed Use of Site: Public Elementary School
 - Proposed Water & Sewer Systems: Public
 - Applicable DPZ File References:
 - S-95-18
 - F-96-37
 - AREA TABULATION
 - Total Property Area: 19.0 Ac.
 - Net Area of Site: 19.0 Ac.
 - Area of this Plan Submission: 19.0 Ac.
 - Limit of Disturbed Area: ± 19.0 Ac.
 - Building Coverage of Site: 1.88 Ac. or 13% of Site (O.S. Lot 1, 14.6 Ac.)
 - Paved Surfaces on Site: 2.6 Ac. or 17.8% of Site (O.S. Lot 1, 14.6 Ac.)
 - PARKING DATA
 - Parking Spaces Required by Zoning: N/A
 - Parking Spaces Provided per HCPSS Requirements: 104 (Includes 5 Handicap Spaces and 8 in Service Area)
- *C. ADDITIONAL PARKING SPACES PROVIDED IN BUS LOOP AREA (JUNE, 2001) = 20
*D. TOTAL PARKING SPACES PROVIDED = 124

General Note:
The building permit for the new building addition must be applied for with the Department of Inspections, Licenses and Permits within one (1) year from the approval date of the redline revisions.

SHEET INDEX	
NO.	DESCRIPTION
1	COVER SHEET
2	SITE DEVELOPMENT PLAN
3	SITE DEVELOPMENT PLAN
4	SITE DETAILS
5	SITE DETAILS
6	STORM DRAINAGE PROFILES
7	DRAINAGE AREA MAP
8	ON SITE WATER AND SEWER PROFILES
9	SEDIMENT AND EROSION CONTROL PLAN
10	SEDIMENT AND EROSION CONTROL PLAN
11	SEDIMENT AND EROSION CONTROL DETAILS
12	SOILS AND SLOPES ANALYSIS
13	LANDSCAPE PLAN
14	LANDSCAPE PLAN

FISHER, COLLINS & CARTER, INC.
PROFESSIONAL ENGINEER

STATE OF MARYLAND
PROFESSIONAL ENGINEER

ADDRESS CHART	
LOT No.	
O. S. LOT 1	8701 Stonehouse Drive
O. S. LOT 2	

FOR REVISIONS MADE TO THIS PLAN JUNE, 2001 (APPROX.)	
SUBMISSION NAME	NORTHERN ELEMENTARY SCHOOL #3
PLAT No. or L.P.	12-098
BLOCK No.	12
ZONE	R-ED
TAX/ZONE MAP	17
ELECT. DIST.	2ND
CENSUS TR.	6021
WATER CODE	HO2
SEWER CODE	1454850

APPROVED: DEPARTMENT OF PLANNING AND ZONING

[Signature] 3/25/96
DATE

[Signature] 3/25/96
DATE

DEVELOPER:
PERCONTEE, INC.
90 MICHAEL DIFFENDAL
11900 TECH ROAD
SILVER SPRING, MD. 20904

LOCATION PLAN

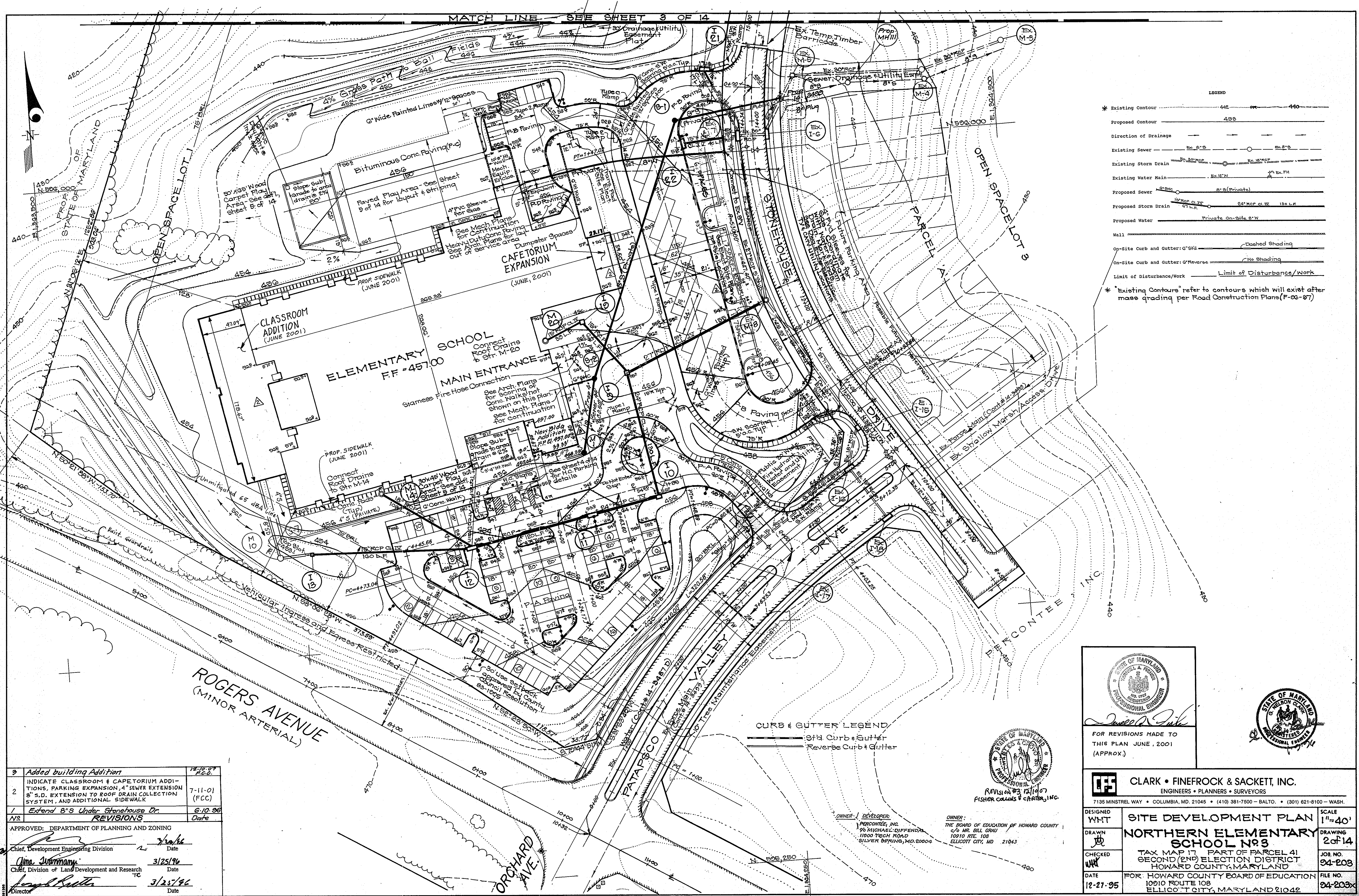
DATE	NUMBER	DESCRIPTION	BY
12-10-01	1	Added building addition	FCC
7-11-01	2	REVISE AREA TABULATION & PARKING DATA	FCC
7-11-01	3	INDICATE BUILDING ADDITIONS & PARKING ON LOCATION PLAN	FCC

OWNERS:
PERCONTEE, INC.
90 MICHAEL DIFFENDAL
11900 TECH ROAD
SILVER SPRING, MD. 20904

THE BOARD OF EDUCATION OF HOWARD COUNTY
c/o MR. BILL GRAU
10910 RTE. 108
ELLCOTT CITY, MD 21043

CLARK • FINEFROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS
7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (410) 381-7500 - BALTO. • (301) 621-8100 - WASH.

DESIGNED	COVER SHEET	SCALE
DRAWN	SITE DEVELOPMENT PLAN	1" = 200'
CHECKED	NORTHERN ELEMENTARY SCHOOL #3	DRAWING
WHT	OPEN SPACE LOTS 1 & 2, DANIELS MILL OVERLOOK	1 OF 14
DATE	TAX MAP 17 PART OF PARCEL 41	JOB NO.
12-27-95	SECOND (2ND) ELECTION DISTRICT	94-203
	HOWARD COUNTY, MARYLAND	FILE NO.
	FOR: HOWARD COUNTY BOARD OF EDUCATION (OWNER)	94-203 X
	10910 ROUTE 108	
	ELLCOTT, MARYLAND 21043	

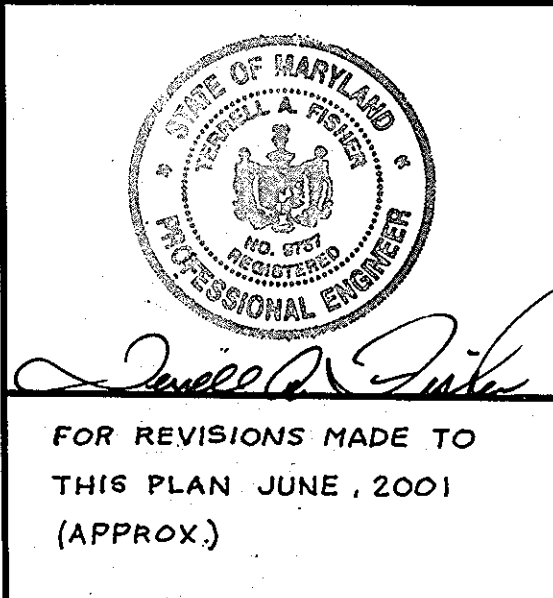
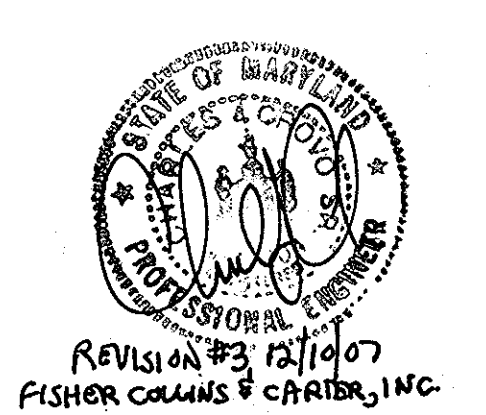


LEGEND

- * Existing Contour: 442, 440
- Proposed Contour: 438
- Direction of Drainage: Ex. 8" S, Ex. 8" S
- Existing Sewer: Ex. 8" S, Ex. 8" S
- Existing Storm Drain: Ex. 18" CP, Ex. 18" CP
- Existing Water Main: Ex. 12" W, Ex. 12" W
- Proposed Sewer: 8" S (Private)
- Proposed Storm Drain: 18" CP, 24" CP, 18" CP
- Proposed Water: Private On-Site 8" W
- Wall: Dashed Shading
- On-Site Curb and Gutter: 6" Std. / No Shading
- On-Site Curb and Gutter: 6" Reverse / No Shading
- Limit of Disturbance/Work: Limit of Disturbance/Work
- * Existing Contours refer to contours which will exist after mass grading per Road Construction Plans (F-00-87)

CURB & GUTTER LEGEND

- Std. Curb & Gutter
- Reverse Curb & Gutter



3	Added building Addition	12-10-01 P.C.B.
2	INDICATE CLASSROOM & CAFETERIUM ADDITIONS, PARKING EXPANSION, 4" SEWER EXTENSION 8" S.D. EXTENSION TO ROOF DRAIN COLLECTION SYSTEM, AND ADDITIONAL SIDEWALK	7-11-01 (FCC)
1	Extend 8" S Under Stanehouse Dr.	6-10-96
N/S	REVISIONS	Date

APPROVED: DEPARTMENT OF PLANNING AND ZONING

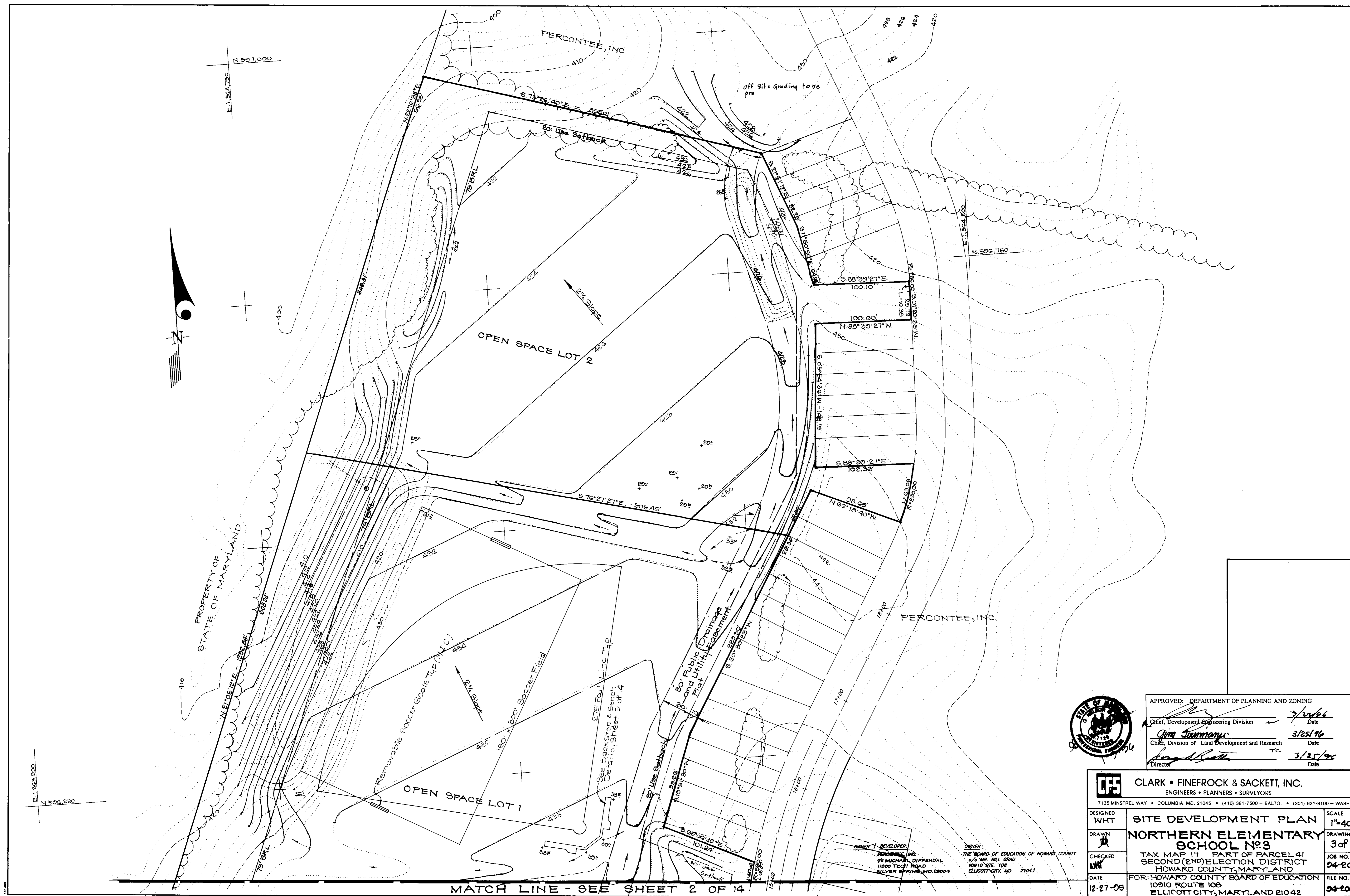
Chief, Development Engineering Division: *[Signature]* Date: 3/20/01

Chief, Division of Land Development and Research: *[Signature]* Date: 3/25/01

Director: *[Signature]* Date: 3/25/01

CLARK • FINEROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (410) 381-7500 - BALTO. • (301) 621-8100 - WASH.	
DESIGNED WHT	SCALE 1"=40'
DRAWN WHT	DRAWING 2 of 14
CHECKED WHT	JOB NO. 94-203
DATE 12-27-95	FILE NO. 94-203x
SITE DEVELOPMENT PLAN NORTHERN ELEMENTARY SCHOOL No. 3 TAX MAP 17 PART OF PARCEL 41 SECOND (2ND) ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: HOWARD COUNTY BOARD OF EDUCATION 10910 ROUTE 108 ELLICOTT CITY, MARYLAND 21042	

OWNER: THE BOARD OF EDUCATION OF HOWARD COUNTY
 DEVELOPER: PERCONTEE, INC.
 90 MICHAEL DIFFENDAL
 11000 TECH ROAD
 SILVER SPRING, MD. 20904
 ELICOTT CITY, MD. 21043



E. 1,393,900
N. 599,290

DATE

PROPERTY OF STATE OF MARYLAND

MATCH LINE - SEE SHEET 2 OF 14

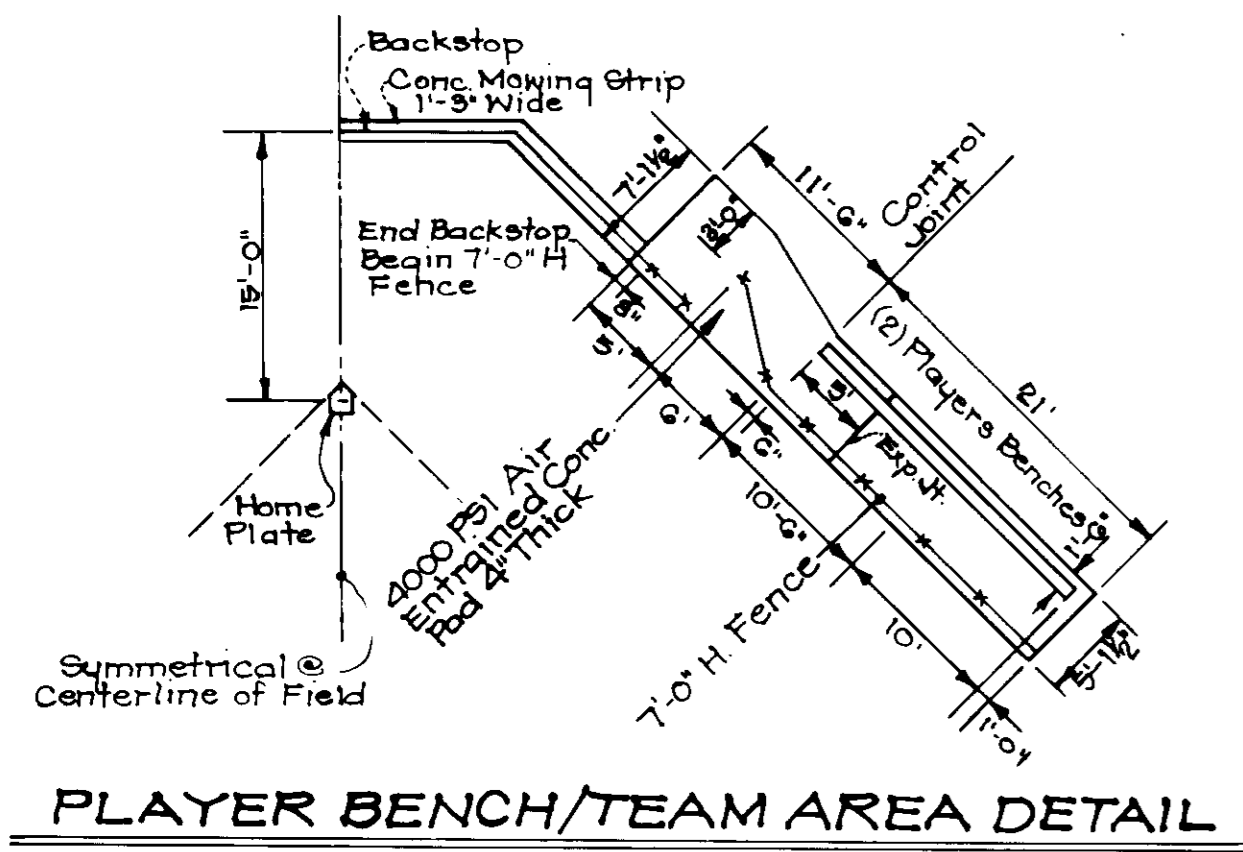
OWNER / DEVELOPER:
PERCONTEE, INC.
94 MICHAEL DIFFENDAL
11000 TECH ROAD
SILVER SPRING, MD. 20904

OWNER:
THE BOARD OF EDUCATION OF HOWARD COUNTY
c/o MR. BILL GRAU
10910 RTE. 108
ELLCOTT CITY, MD 21043

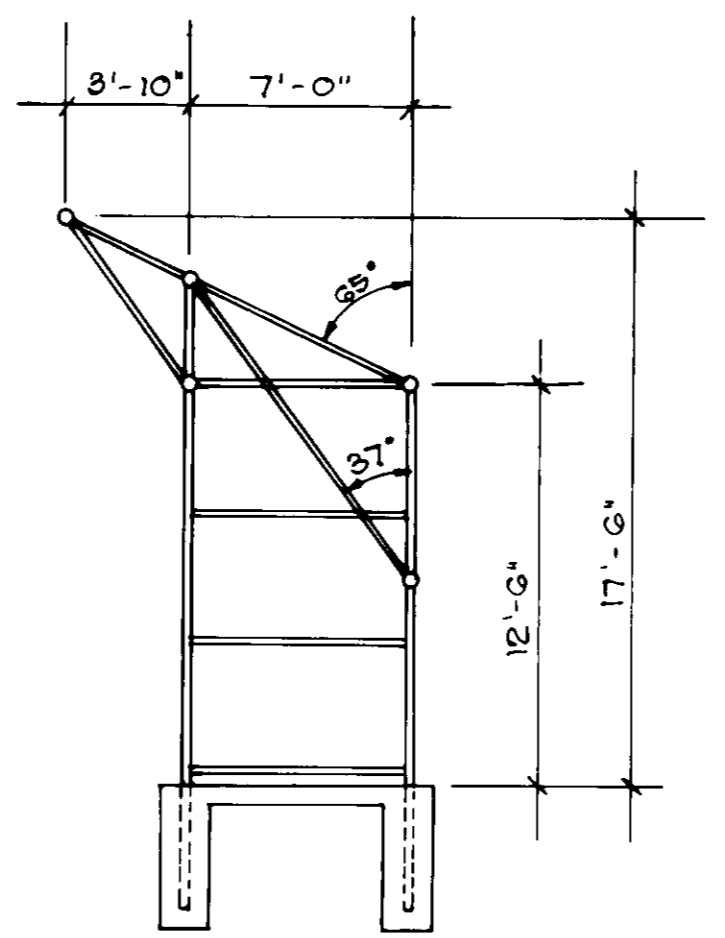


APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Chief, Development Engineering Division *[Signature]* 3/24/66 Date
 Chief, Division of Land Development and Research *[Signature]* 3/25/96 Date
 Director *[Signature]* TC 3/25/96 Date

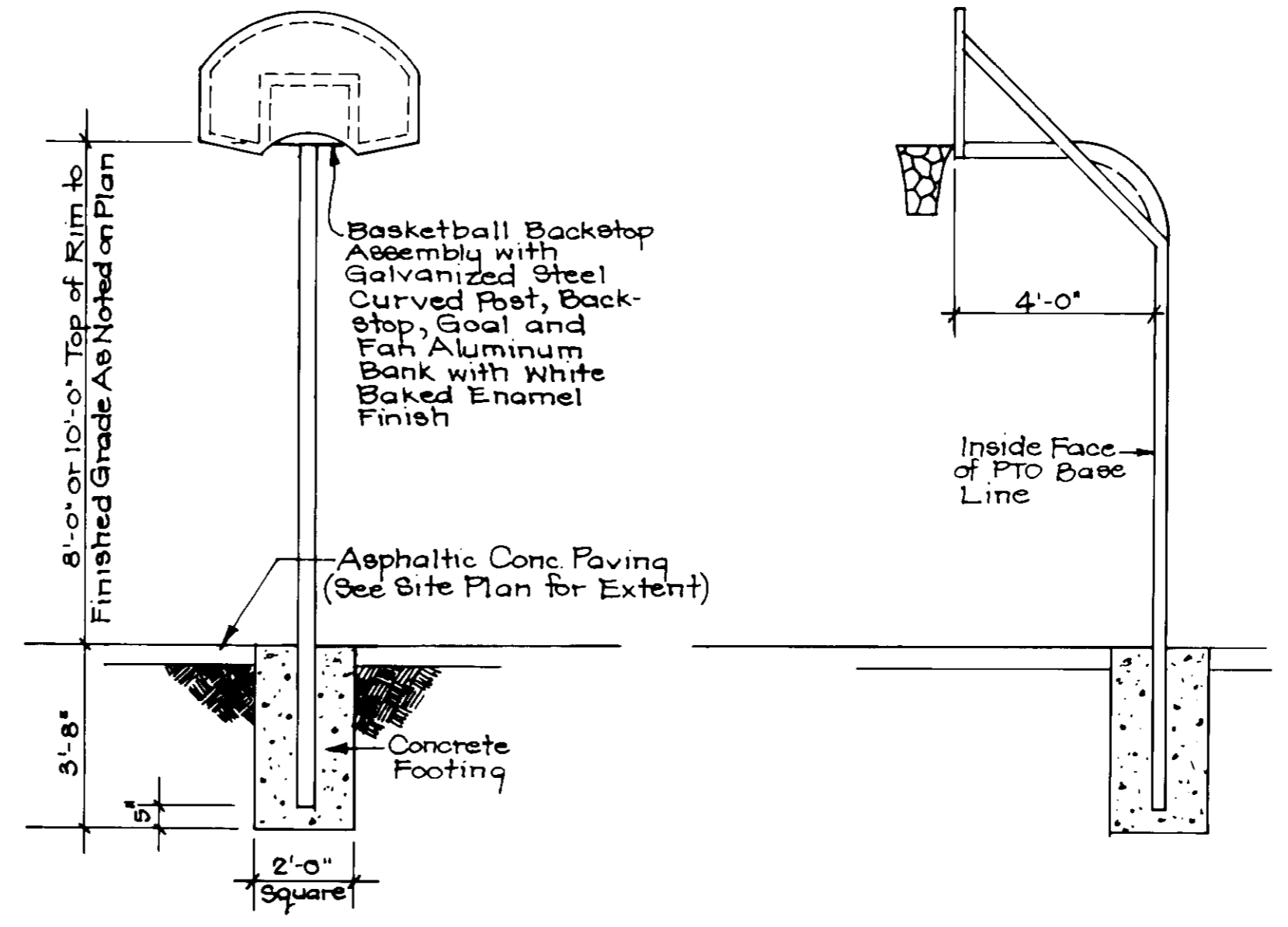
CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (410) 381-7500 - BALTO. • (301) 621-8100 - WASH.		
DESIGNED WHT	SITE DEVELOPMENT PLAN	SCALE 1"=40'
DRAWN JA	NORTHERN ELEMENTARY SCHOOL No. 3	DRAWING 3 of 14
CHECKED WHT	TAX MAP 17, PART OF PARCEL 41 SECOND (2ND) ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO. 04-203
DATE 12-27-05	FOR: HOWARD COUNTY BOARD OF EDUCATION 10910 ROUTE 108 ELLCOTT CITY, MARYLAND 21042	FILE NO. 04-203K



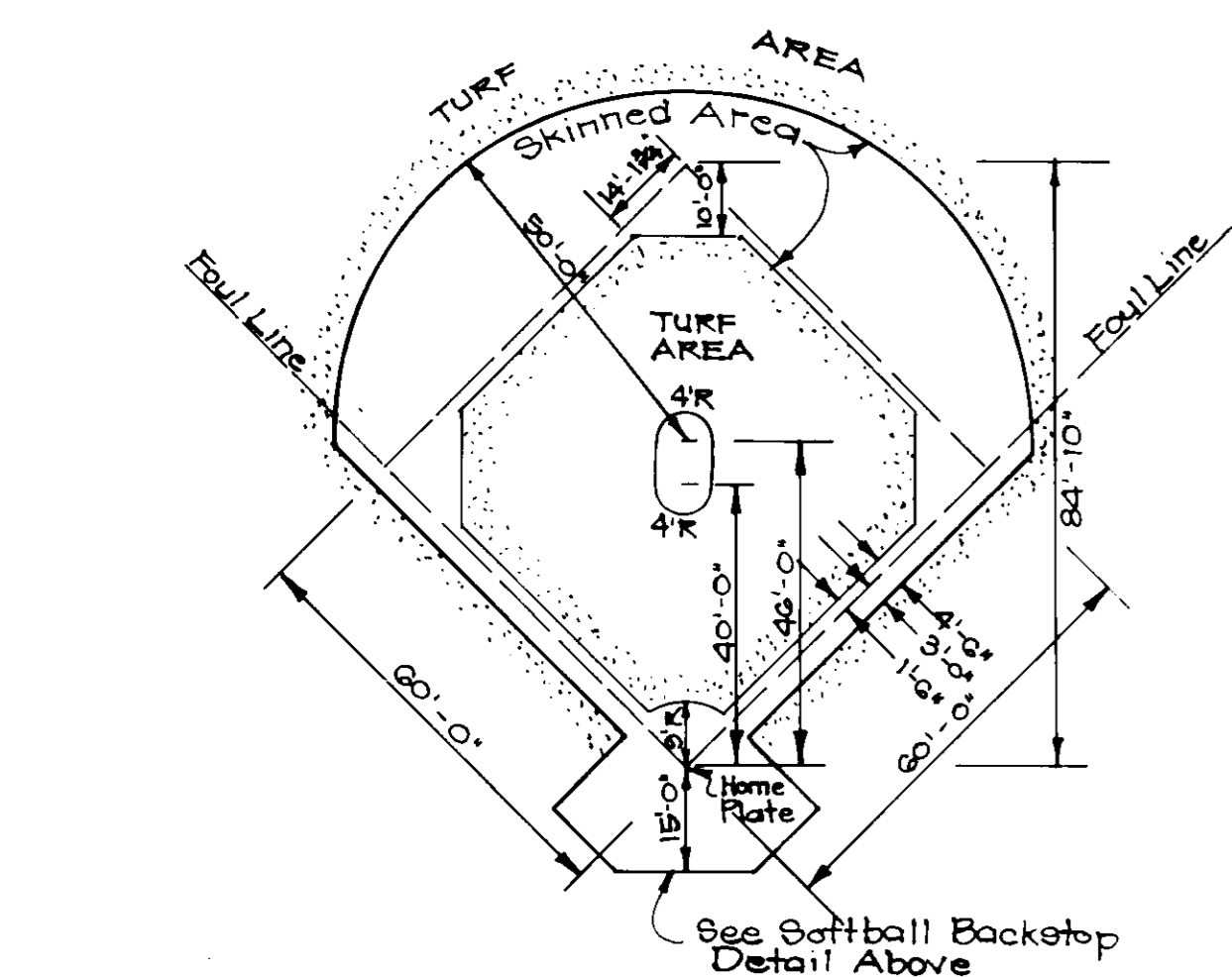
PLAYER BENCH/TEAM AREA DETAIL



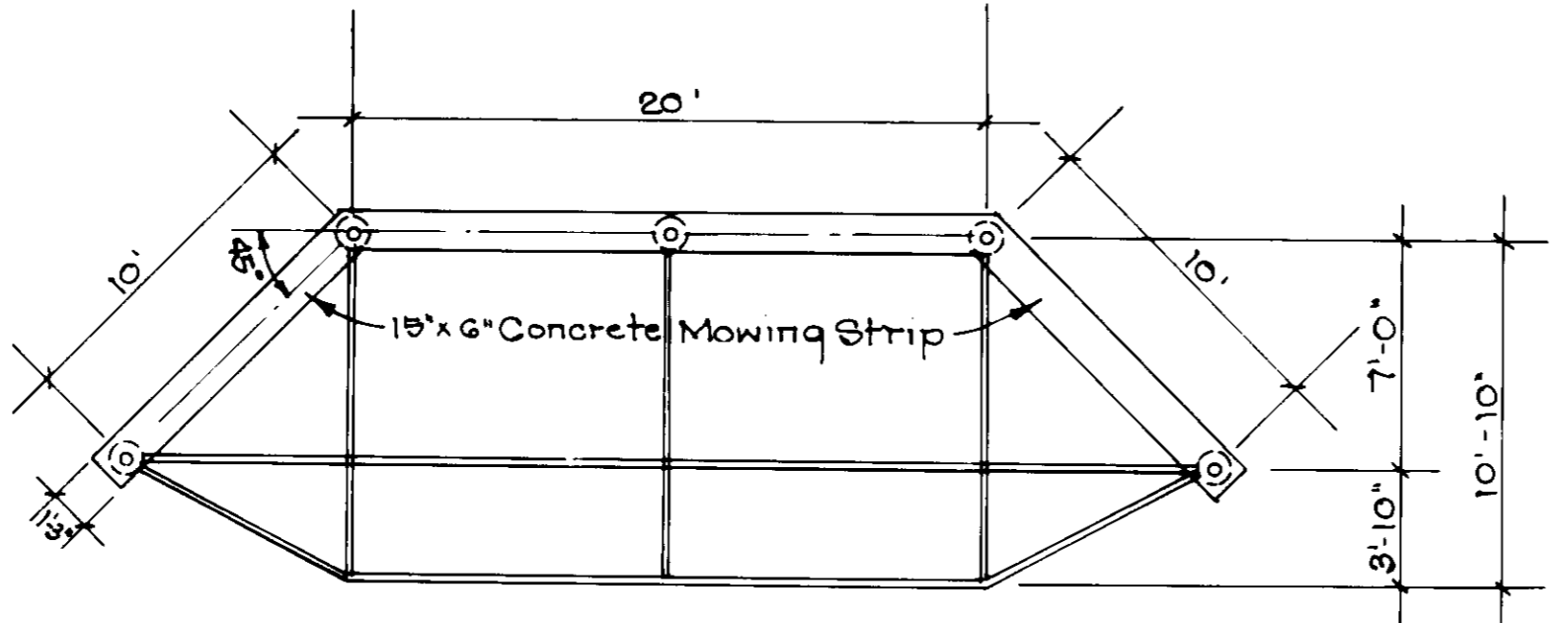
SECTION



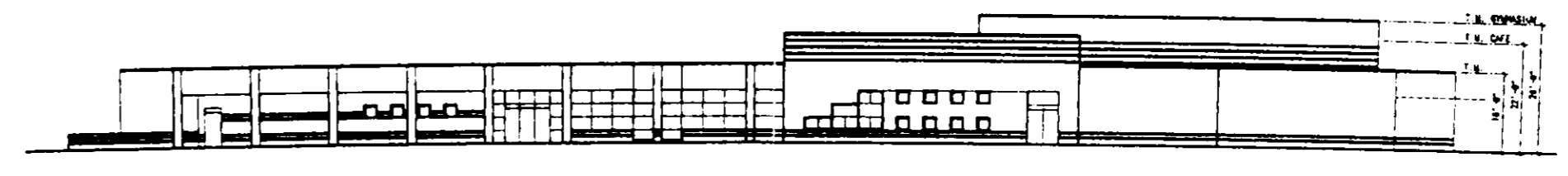
FAN SHAPED BASKETBALL BACKBOARD
NO SCALE



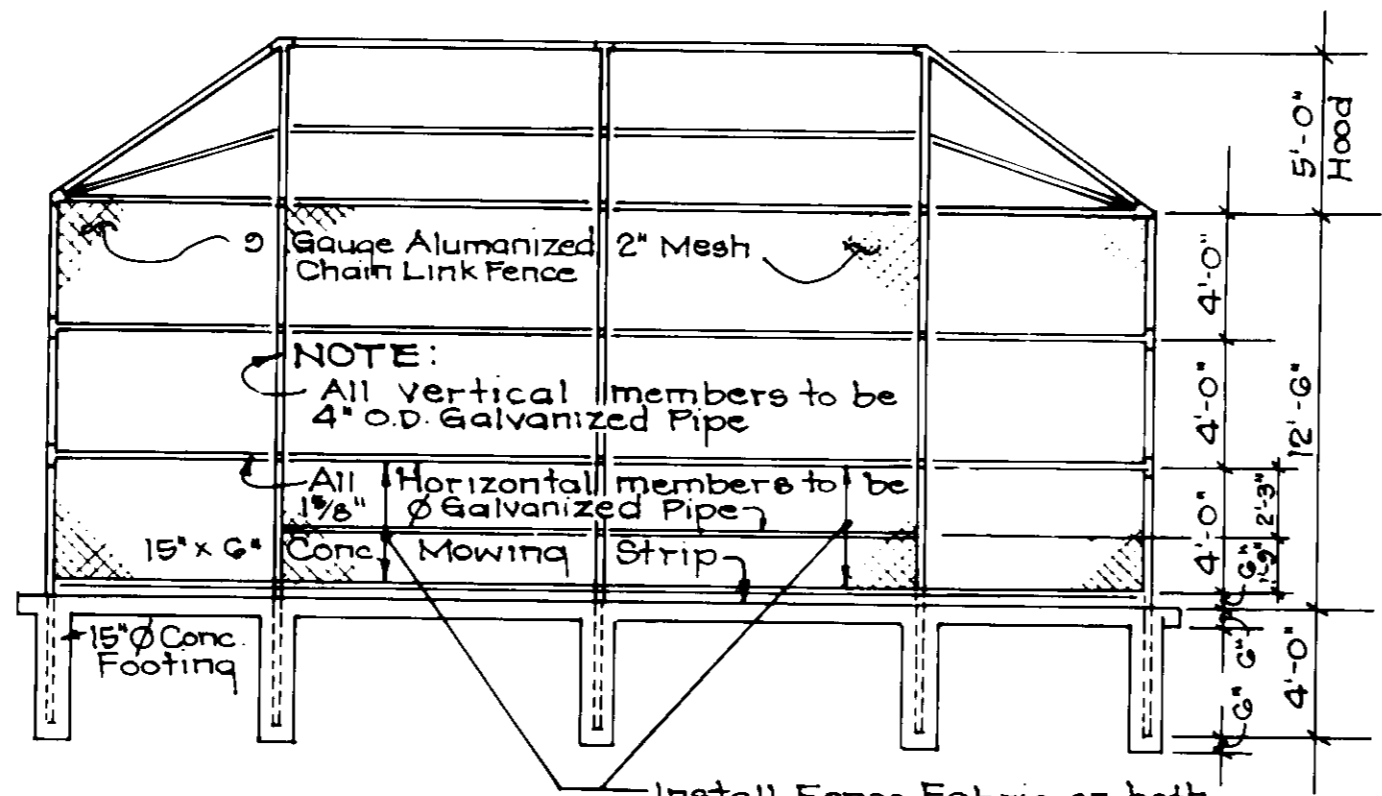
SOFTBALL DIAMOND LAYOUT
NO SCALE



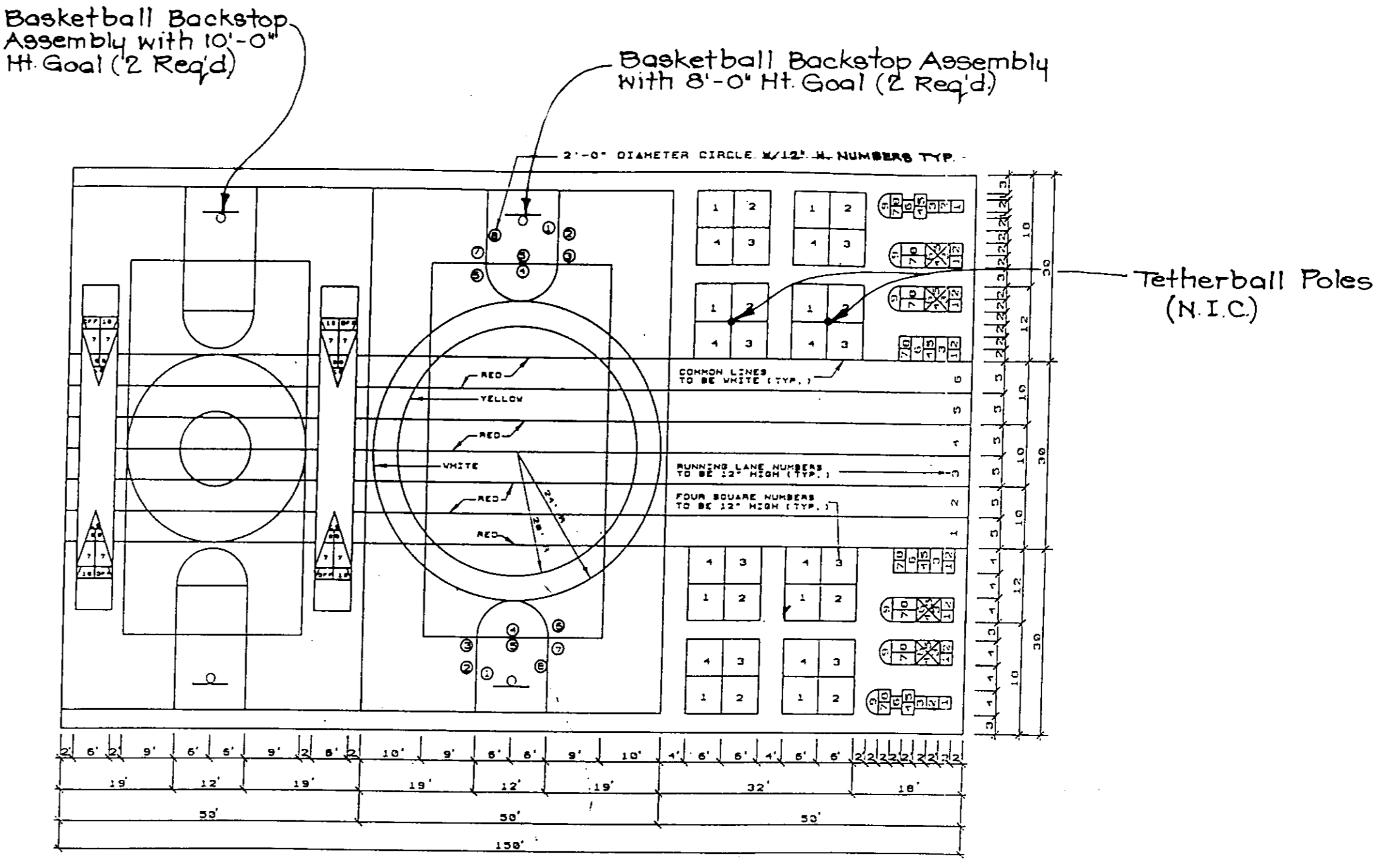
PLAN VIEW



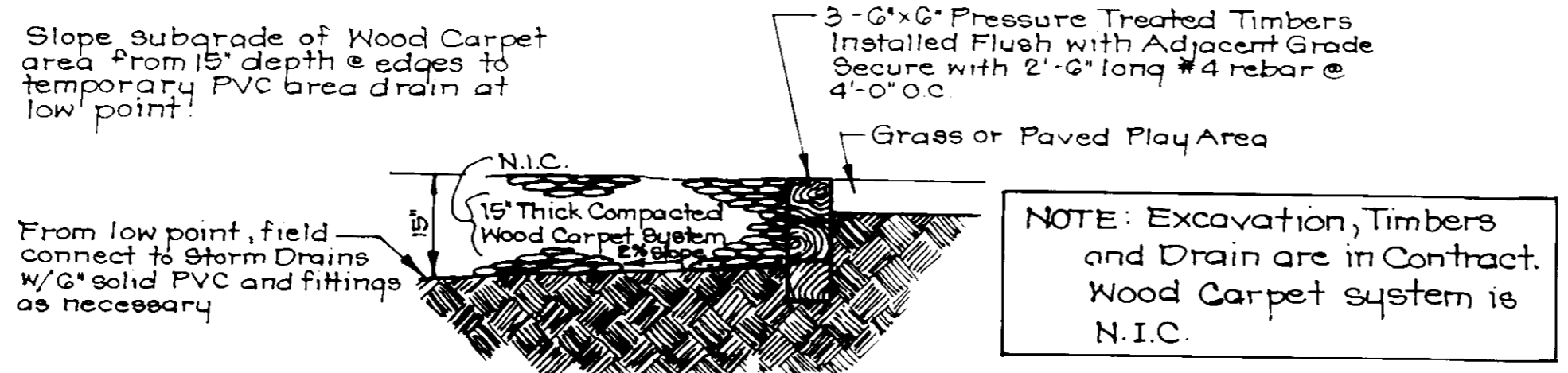
EAST ELEVATION (FACING BUS LOOP)
NO SCALE



ELEVATION SOFTBALL BACKSTOP DETAIL
NO SCALE



PAVED PLAY AREA - STRIPING DETAIL
No Scale



PLAY AREA SURFACE AND DRAINAGE DETAILS
NO SCALE

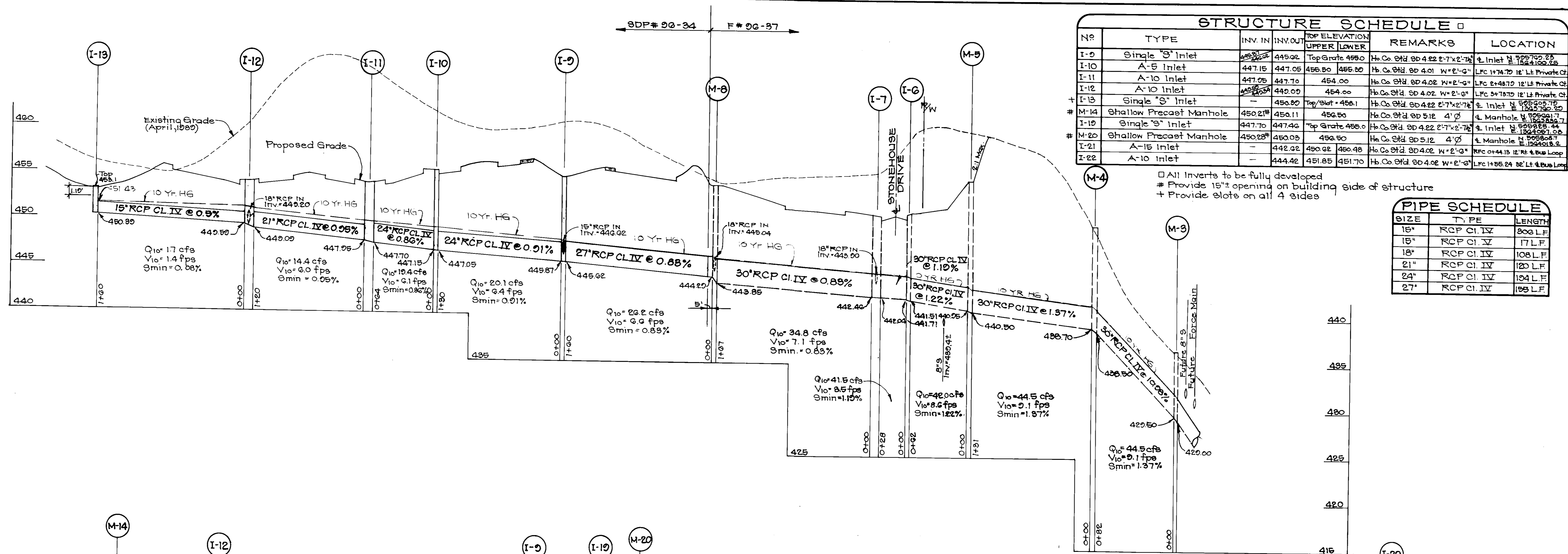
APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Chief, Development Engineering Division *[Signature]* 3/24/96 Date
 Chief, Division of Land Development and Research *[Signature]* 3/25/96 Date
 Director *[Signature]* 3/25/96 Date

Final arrangement of court games striping to be adjusted and verified by owner prior to execution.
 All lines shall be 2" wide and painted white unless otherwise noted.
 All numbers shall be 6" high and painted white unless otherwise noted.

OWNER / DEVELOPER:
 PERCONTEE, INC.
 96 MICHAEL DIFFENDAL
 1000 TECH ROAD
 SILVER SPRING, MD. 20904
 OWNER:
 THE BOARD OF EDUCATION OF HOWARD COUNTY
 c/o MR. BILL GRAU
 10910 RTE. 108
 ELLICOTT CITY, MD 21043

CLARK • FINEROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 - BALTO • (301) 621-8100 - WASH.		
DESIGNED WFT	SITE DETAILS NORTHERN ELEMENTARY SCHOOL NO. 3 TAX MAP 17 PART OF PARCEL 41 SECOND (2ND) ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: HOWARD COUNTY BOARD OF EDUCATION 10010 ROUTE 108 ELLICOTT CITY, MARYLAND 21042	SCALE ---
DRAWN <i>[Signature]</i>		DRAWING 5 of 14
CHECKED WFT		JOB NO. 04-203
DATE 12-27-95		FILE NO. 04-203X

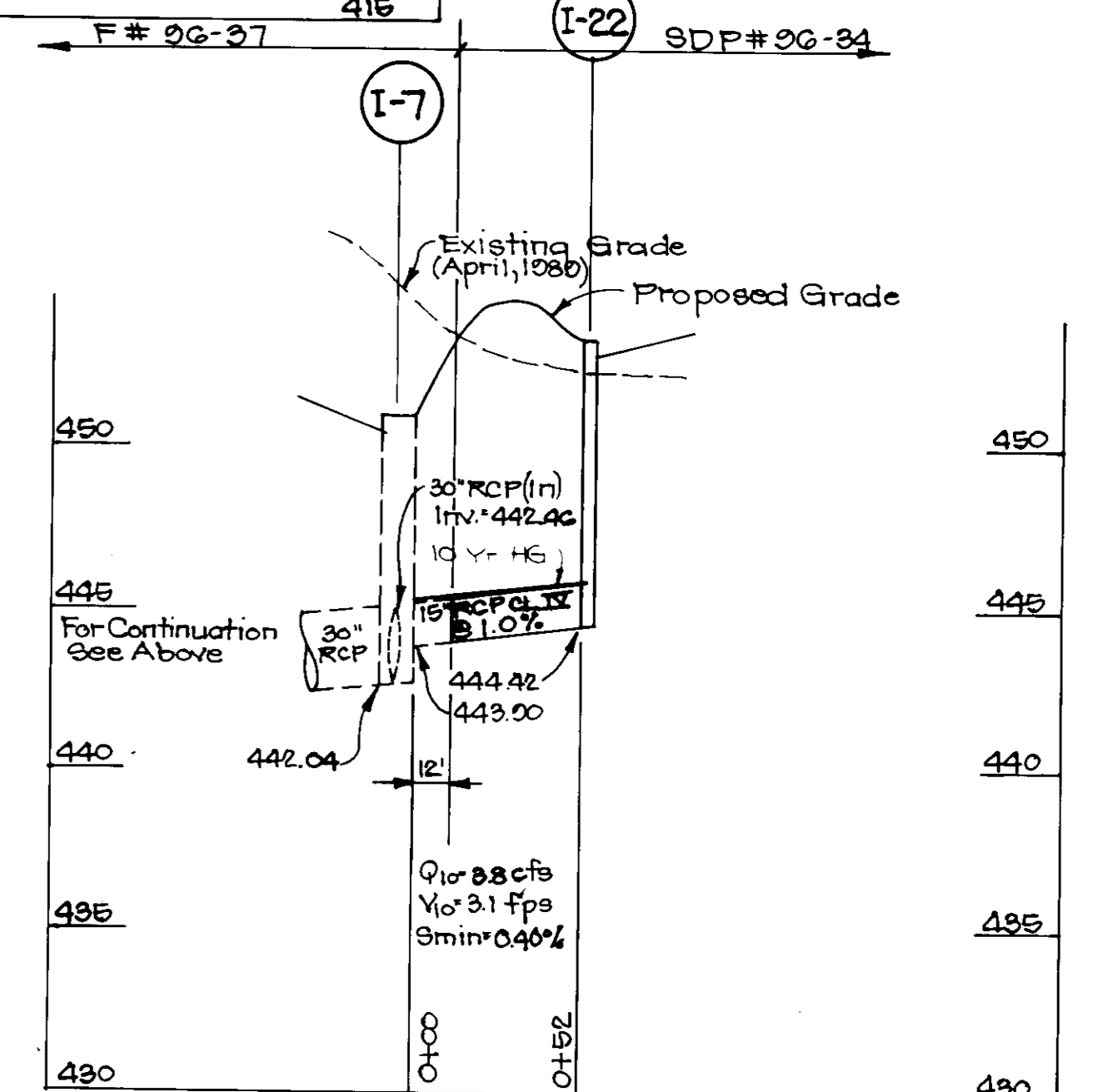
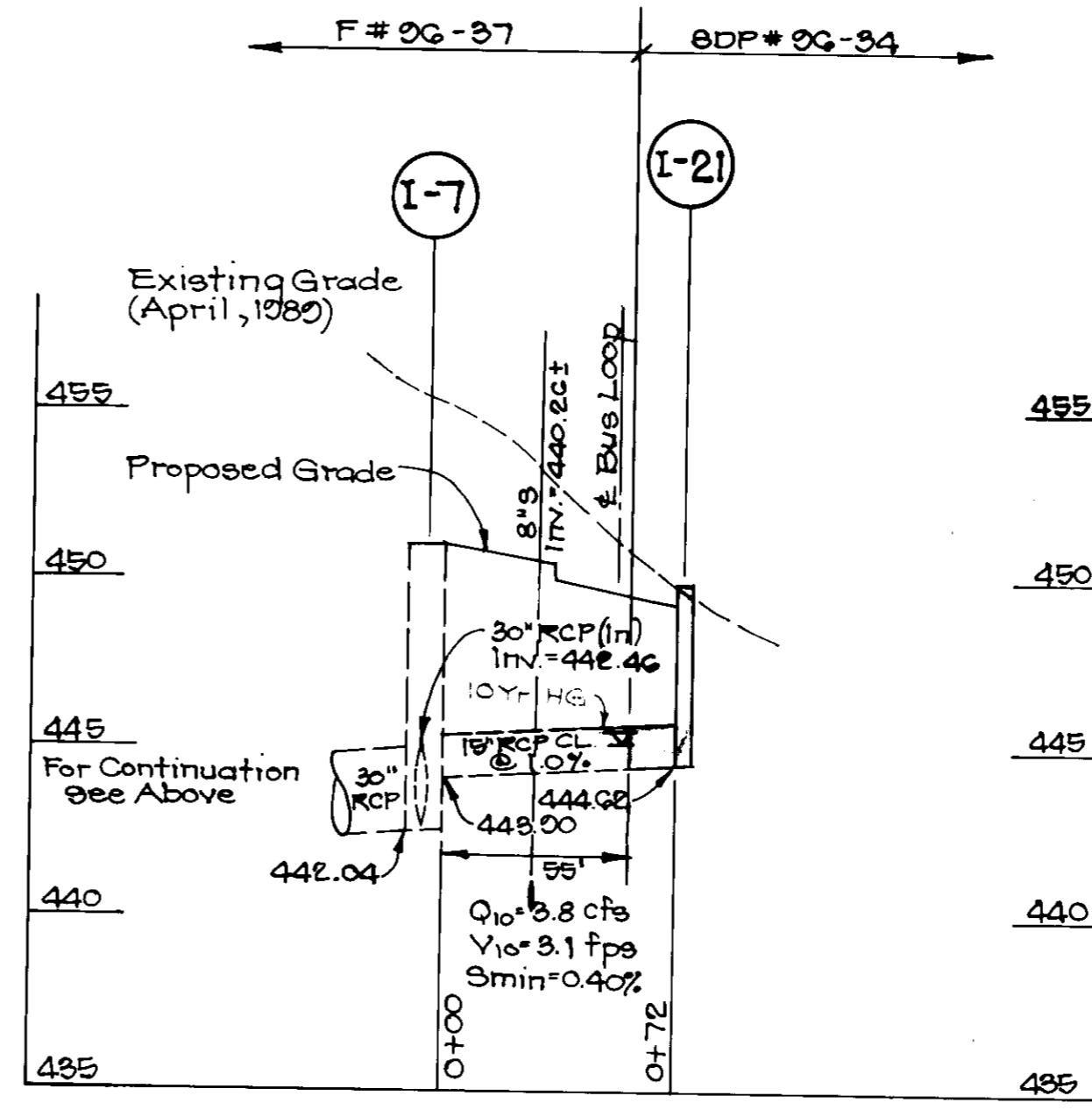
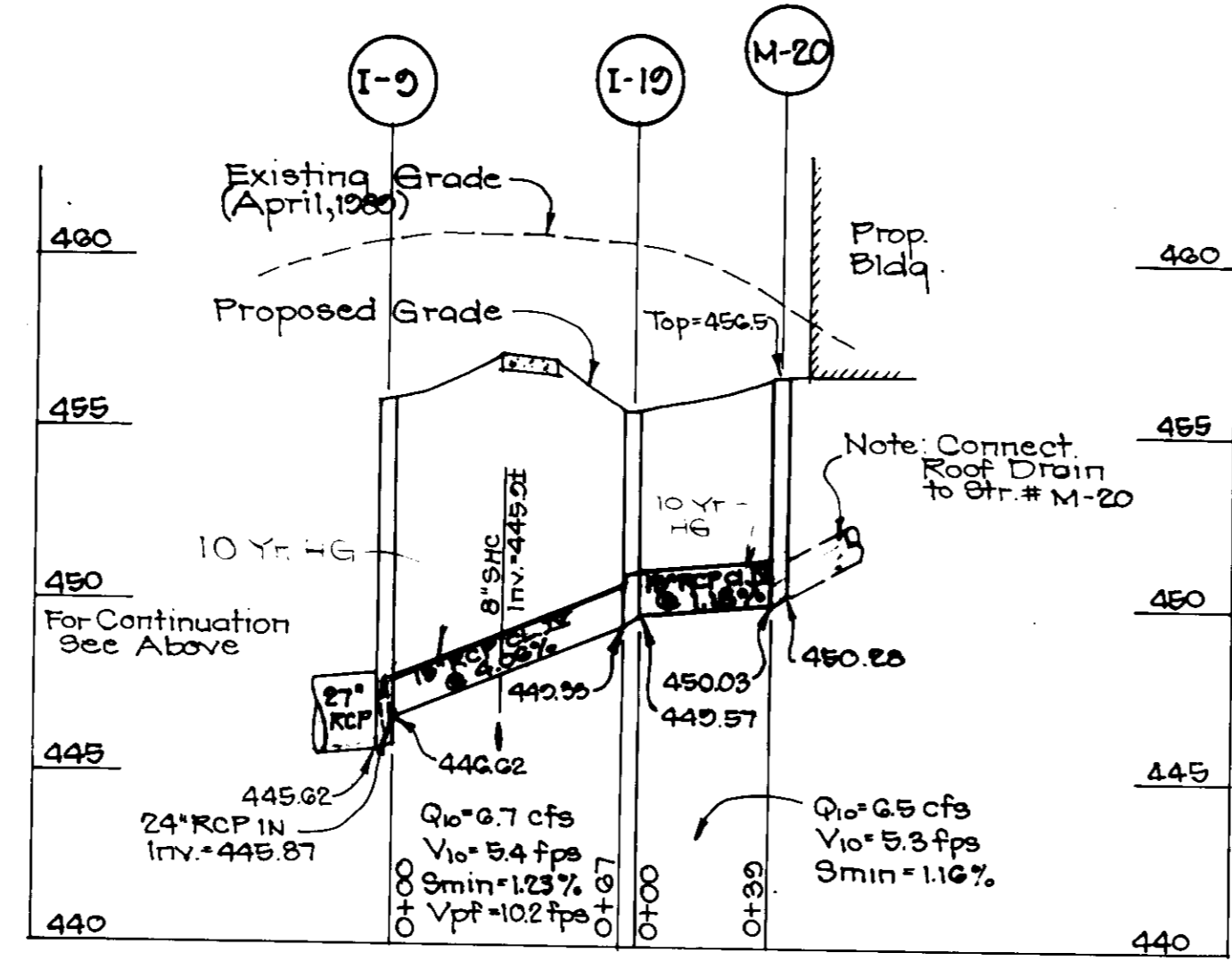
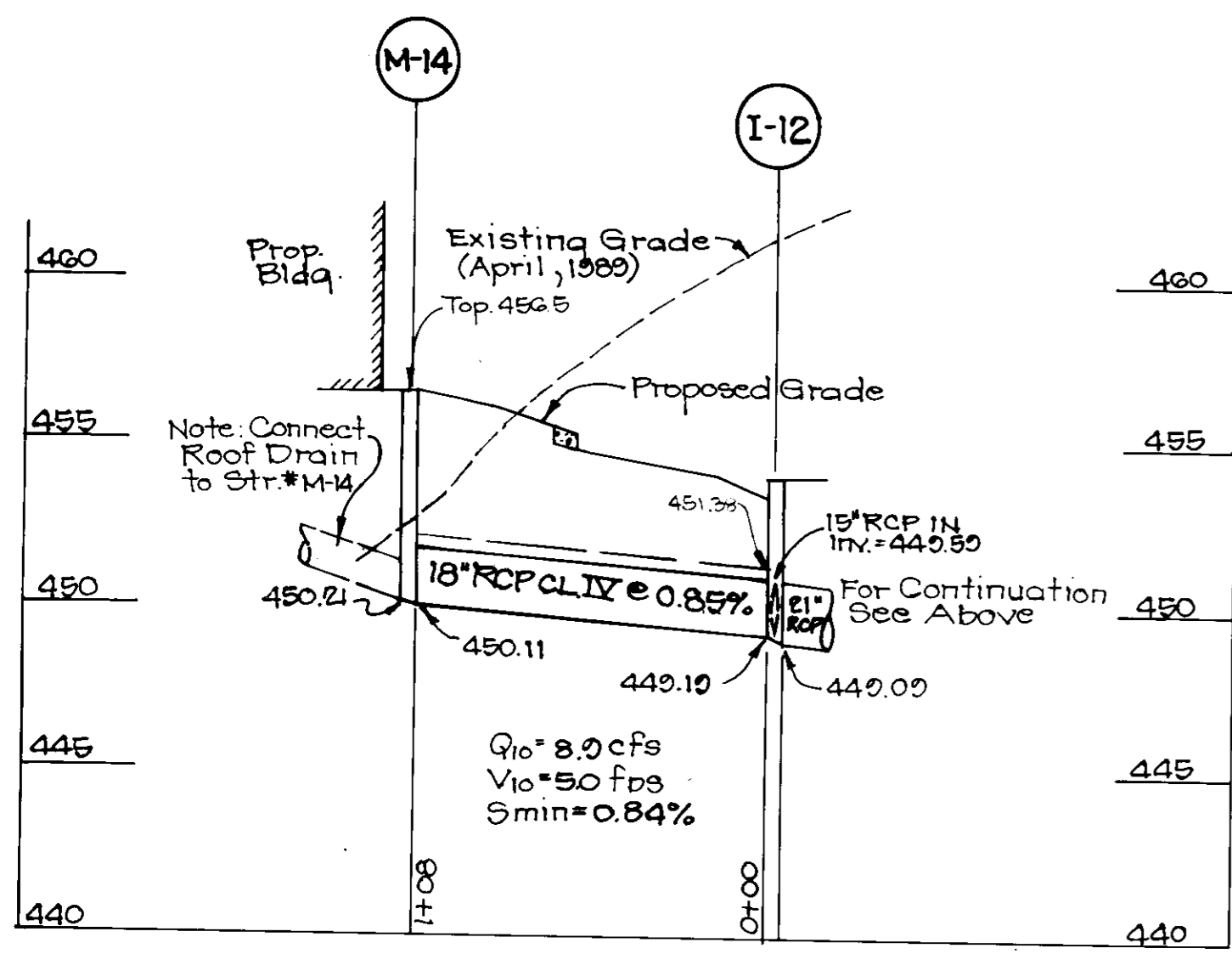




NO.	TYPE	INV. IN	INV. OUT	TOP ELEVATION		REMARKS	LOCATION
				UPPER	LOWER		
I-9	Single 'S' Inlet	445.02	445.02	455.50	455.50	Hb. Co. Std. SD 4.22 2'-7"x2'-7"	± Inlet N 525700 25 E. 1264100 25
I-10	A-5 Inlet	447.15	447.05	455.50	455.50	Hb. Co. Std. SD 4.01 W-2'-6"	LFC 1+74.70 12' Lt. Private Ct.
I-11	A-10 Inlet	447.05	447.70	454.00	454.00	Hb. Co. Std. SD 4.02 W-2'-6"	LFC 2+48.70 12' Lt. Private Ct.
I-12	A-10 Inlet	445.05	449.00	454.00	454.00	Hb. Co. Std. SD 4.02 W-2'-6"	LFC 3+78.70 12' Lt. Private Ct.
I-13	Single 'S' Inlet	-	450.50	455.50	455.50	Hb. Co. Std. SD 4.22 2'-7"x2'-7"	± Inlet N 525700 25 E. 1264100 25
M-14	Shallow Precast Manhole	450.21	450.11	455.50	455.50	Hb. Co. Std. SD 5.12 4' Ø	± Manhole N 525700 25 E. 1264100 25
I-19	Single 'S' Inlet	447.70	447.40	447.40	447.40	Hb. Co. Std. SD 4.22 2'-7"x2'-7"	± Inlet N 525700 25 E. 1264100 25
M-20	Shallow Precast Manhole	450.25	450.05	455.50	455.50	Hb. Co. Std. SD 5.12 4' Ø	± Manhole N 525700 25 E. 1264100 25
I-21	A-15 Inlet	-	442.02	450.02	450.98	Hb. Co. Std. SD 4.02 W-2'-6"	RFC 0+44.12 12' Lt. Bus Loop
I-22	A-10 Inlet	-	444.42	451.85	451.70	Hb. Co. Std. SD 4.02 W-2'-6"	LFC 1+55.24 22' Lt. Bus Loop

□ All Inverts to be fully developed
 # Provide 15" opening on building side of structure
 + Provide slots on all 4 sides

SIZE	TYPE	LENGTH
15"	RCP CL IV	300 L.F.
15"	RCP CL IV	17 L.F.
18"	RCP CL IV	108 L.F.
21"	RCP CL IV	120 L.F.
24"	RCP CL IV	134 L.F.
27"	RCP CL IV	155 L.F.



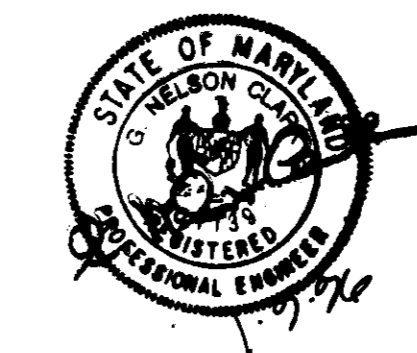
STORM DRAIN PROFILES

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

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Chief, Development Engineering Division
 Chief, Division of Land Development and Research

Date: 3/25/96
 Date: 3/25/96
 Date: 3/25/96

OWNER / DEVELOPER: THE BOARD OF EDUCATION OF HOWARD COUNTY
 10910 ROUTE 108
 ELLICOTT CITY, MD 21043

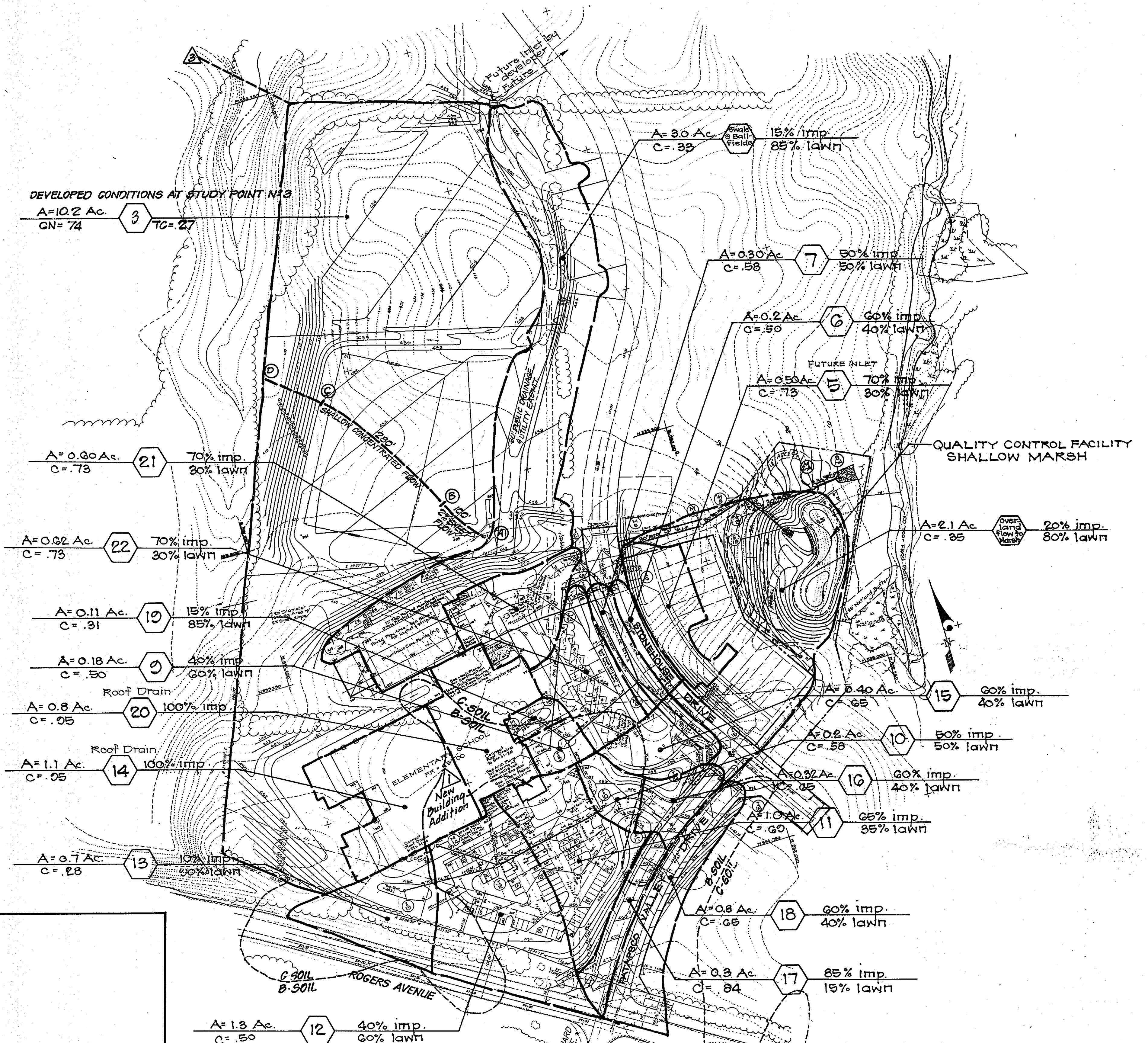


CLARK • FINEFROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (410) 381-7500 - BALTO. • (301) 621-8100 - WASH.

DESIGNED: **KIWM**
 DRAWN: **KIWM**
 CHECKED: **OKA**
 DATE: **12-27-05**

STORM DRAIN PROFILES
NORTHERN ELEMENTARY SCHOOL NO. 3
 TAX MAP 17 PART OF PARCEL 41
 SECOND (2ND) ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 FOR: HOWARD COUNTY BOARD OF EDUCATION
 10910 ROUTE 108
 ELLICOTT CITY, MARYLAND 21043

SCALE: **AS SHOWN**
 DRAWING: **G of 14**
 JOB NO.: **04-208**
 FILE NO.: **04-208**



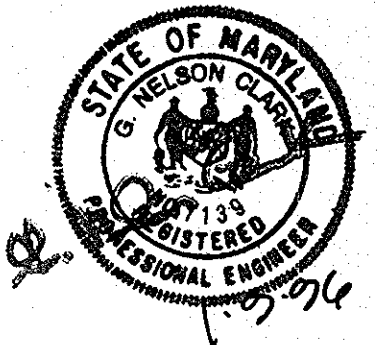
STORM DRAIN DRAINAGE AREA MAP
 SCALE: 1"=100'

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Chief, Development Engineering Division
 Date: 3/25/96
 Chief, Division of Land Development and Research
 Date: 3/25/96
 Director

No.	Revision	By	Date
1	Added building addition	F.B.O.	12-05-97

OWNER / DEVELOPER:
 PERDUE, INC.
 90 MICHAEL DIFFENDAL
 11000 TECH ROAD
 SILVER SPRING, MD. 20904

OWNER:
 THE BOARD OF EDUCATION OF HOWARD COUNTY
 c/o MR. BILL GRAU
 10910 RTE. 108
 ELLICOTT CITY, MD 21043



CLARK • FINEFROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (410) 381-7500 - BALTO. • (301) 621-8100 - WASH.

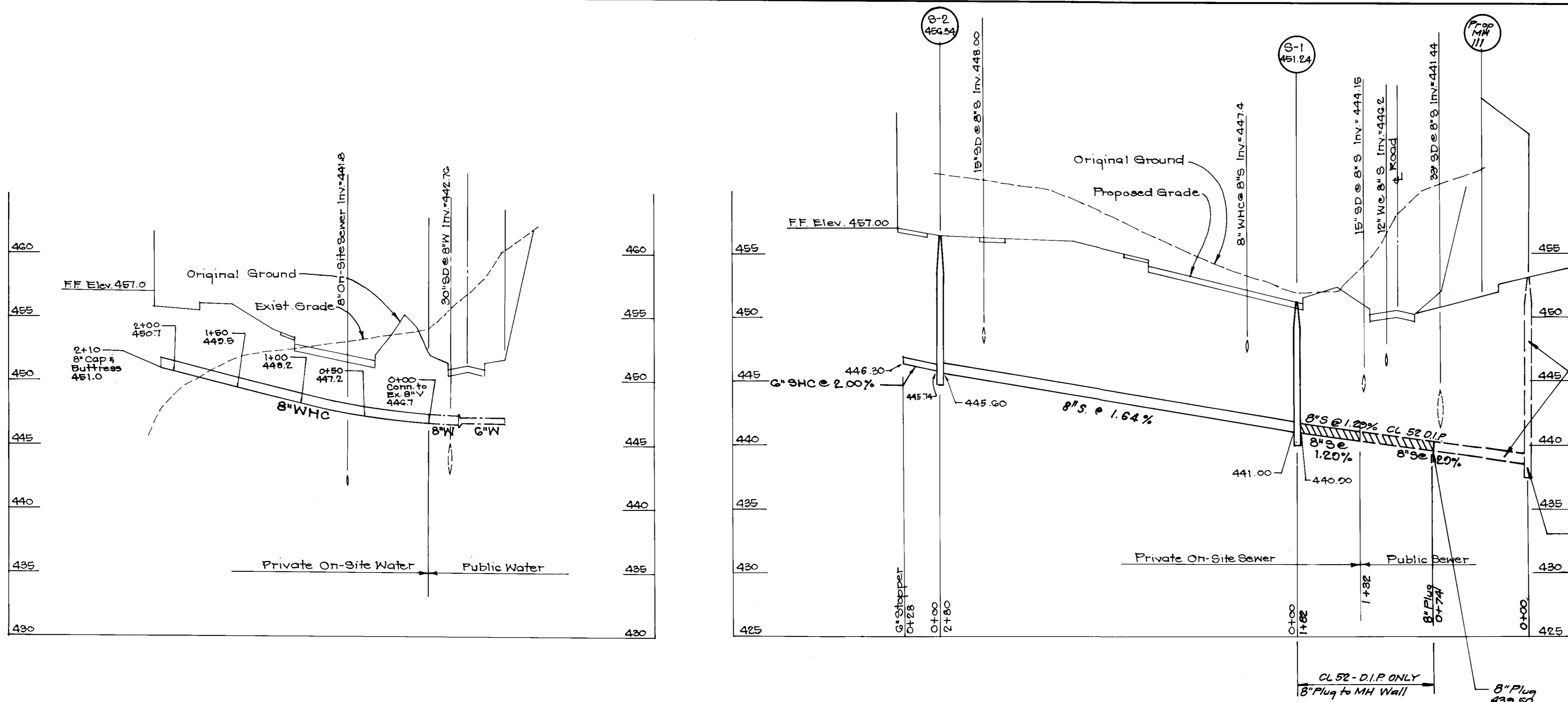
DESIGNED KIWM
DRAWN JH
CHECKED WJK
DATE 12-27-95

DRAINAGE AREA MAP
NORTHERN ELEMENTARY SCHOOL N°3
 TAX MAP 17 PART OF PARCEL 41
 SECOND (2ND) ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

SCALE 1"=100'
DRAWING 7 of 14
JOB NO. 94-203
FILE NO. 94-203X

FOR: HOWARD COUNTY BOARD OF EDUCATION
 10910 ROUTE 108
 ELLICOTT CITY, MARYLAND 21042

SDP-96-347



- WATER AND SEWER NOTES**
- All construction methods and materials for on-site water and sewer systems shall follow the current editions of the Howard County Plumbing Code, supplemented by the Howard County Standard Details and Specifications where necessary.
 - 6-inch sewer house connection shall be built to within 5 feet of the building at a slope of 2.00%.
 - 6 and 8 inch PVC Pipe shall meet the requirements of A.S.T.M. D.3034, wall thickness classification SDR - 35, unless otherwise noted on profile.
 - Where sewer connection is to be extended from public connection, the pipe material shall be the same as the public sewer.
 - Water meter shall be located inside the building.
 - Area where water house connection is to be built shall be at final grade and the water house connection shall be laid with a minimum of 3.5' of cover. Water house connection shall be 8" diameter, Ductile Iron, Class 52.
 - Water house connection shall be built to within 5 feet of the building.

WATER AND SEWER PROFILES
 SCALE: HOR. 1"=50'
 VERT. 1"=5'

1 / Extend 8" S under Stonehouse Drive 6/10/96
 REVISIONS Date

APPROVED - DEPARTMENT OF PLANNING AND ZONING

Chief, Development Engineering Division 3/25/96 Date
 Gina Summery 3/25/96 Date
 Chief, Division of Land Development and Research TC 3/25/96 Date
 Director

Reviewed for HOWARD S.C.D.
 and meets Technical Requirements
 Signature: Patricia Englehart 1/19/96
 Natural Resources Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE NATURAL RESOURCES CONSERVATION SERVICE.

John R. Polutano 1/19/96
 Approved

DEVELOPER'S/BUILDER'S CERTIFICATE

"I/We certify that all development and construction will be done according to this plan of development and plan for sediment and erosion control and that all 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 inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary."

NAME: [Signature] DATE: 1/11/96

ENGINEER'S CERTIFICATE

I hereby certify that this plan for Sediment and Erosion 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.

G. Nelson Clark 1.9.96
 DATE

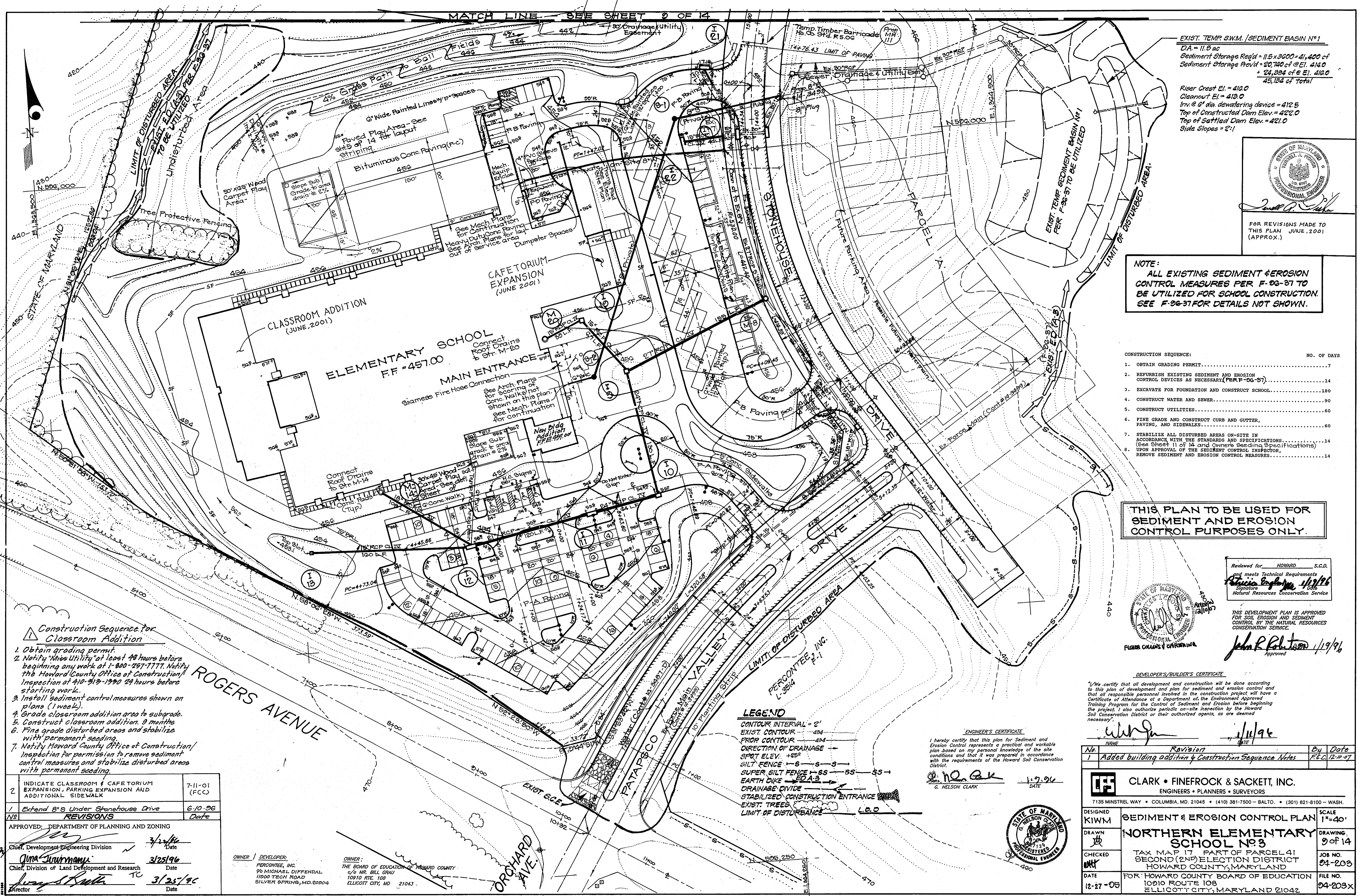


OWNER / DEVELOPER: PEROMTEE, INC. 96 MICHAEL DIFFENDAL 11000 TECH ROAD SILVER SPRING, MD. 20904

OWNER: THE BOARD OF EDUCATION OF HOWARD COUNTY 17014 BELLE BRAN 10910 RTE. 108 ELLICOTT CITY, MD 21043

CLARK • FINEFROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (410) 381-7500 - BALTO. • (301) 621-8100 - WASH.

DESIGNED WHT	ON-SITE WATER & SEWER PROFILES	SCALE AS SHOWN
DRAWN WHT		DRAWING 8 of 14
CHECKED WHT		JOB NO. 94-208
DATE 12-27-95		FILE NO. 94-208X
		NORTHERN ELEMENTARY SCHOOL NO. 3 TAX MAP 17 PART OF PARCEL 41 SECOND (2ND) ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: HOWARD COUNTY BOARD OF EDUCATION 10010 ROUTE 108 ELLICOTT CITY, MARYLAND 21042



EXIST. TEMP SWM / SEDIMENT BASIN #1
 OA = 11.5 ac
 Sediment Storage Reg'd = 11.5 x 3000 = 41,400 cf
 Sediment Storage Prov'd = 20,740 cf @ El. 414.0
 + 24,394 cf @ El. 412.0
 = 45,134 cf Total

Riser Crest El. = 412.0
 Cleanout El. = 413.0
 Inv. @ 6' dia. dewatering device = 412.5
 Top of Constructed Dam Elev. = 422.0
 Top of Settled Dam Elev. = 421.0
 Side Slopes = 2:1



FOR REVISIONS MADE TO THIS PLAN JUNE, 2001 (APPROX.)

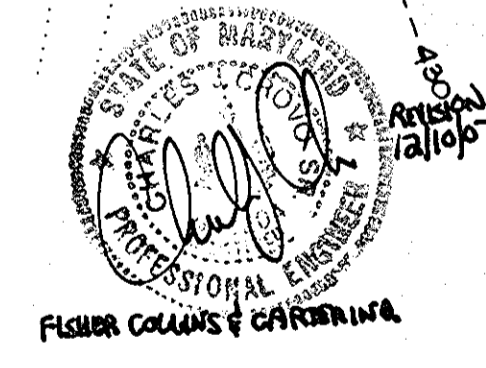
NOTE:
 ALL EXISTING SEDIMENT & EROSION CONTROL MEASURES PER F-96-37 TO BE UTILIZED FOR SCHOOL CONSTRUCTION. SEE F-96-37 FOR DETAILS NOT SHOWN.

CONSTRUCTION SEQUENCE:

CONSTRUCTION SEQUENCE	NO. OF DAYS
1. OBTAIN GRADING PERMIT.....	7
2. REFURBISH EXISTING SEDIMENT AND EROSION CONTROL DEVICES AS NECESSARY (PER F-96-37).....	14
3. EXCAVATE FOR FOUNDATION AND CONSTRUCT SCHOOL.....	180
4. CONSTRUCT WATER AND SEWER.....	90
5. CONSTRUCT UTILITIES.....	60
6. FINE GRADE AND CONSTRUCT CURB AND GUTTER, PAVING, AND SIDEWALKS.....	60
7. STABILIZE ALL DISTURBED AREAS ON-SITE IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS (SEE SHEET 11 OF 14 AND OWNERS SEDIMENT SPECIFICATIONS).....	14
8. UPON APPROVAL OF THE SEDIMENT CONTROL INSPECTOR REMOVE SEDIMENT AND EROSION CONTROL MEASURES.....	14

THIS PLAN TO BE USED FOR SEDIMENT AND EROSION CONTROL PURPOSES ONLY.

Reviewed for: HOWARD S.C.D.
 and meets Technical Requirements
 Signature: *[Signature]* Date: 4/19/06
 Natural Resources Conservation Service



THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE NATURAL RESOURCES CONSERVATION SERVICE.
 Signature: *[Signature]* Date: 1/19/96
 Approved

DEVELOPER'S/BUILDER'S CERTIFICATE
 I/We certify that all development and construction will be done according to this plan of development and plan for sediment and erosion control and that all 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 inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary.

ENGINEER'S CERTIFICATE
 I hereby certify that this plan for Sediment and Erosion 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.
 Signature: *[Signature]* Date: 1-9-06
 G. NELSON CLARK

LEGEND
 CONTOUR INTERVAL = 2'
 EXIST. CONTOUR - 494
 PROP. CONTOUR - 494
 DIRECTION OF DRAINAGE ->
 SPOT ELEV. - 455
 EARTH DIKE - EDA 3
 DRAINAGE DIVIDE ->
 STABILIZED CONSTRUCTION ENTRANCE ->
 EXIST. TREES ->
 LIMIT OF DISTURBANCE - 6.00

- Construction Sequence for Classroom Addition**
1. Obtain grading permit.
 2. Notify "Miss Utility" at least 48 hours before beginning any work at 1-800-257-7177. Notify the Howard County Office of Construction Inspection at 410-313-1390 24 hours before starting work.
 3. Install sediment control measures shown on plans (1 week).
 4. Grade classroom addition area to subgrade.
 5. Construct classroom addition. 9 months.
 6. Fine grade disturbed areas and stabilize with permanent seeding.
 7. Notify Howard County Office of Construction/Inspection for permission to remove sediment control measures and stabilize disturbed areas with permanent seeding.

NO	REVISIONS	Date
2	INDICATE CLASSROOM & CAFETERIUM EXPANSION, PARKING EXPANSION AND ADDITIONAL SIDEWALK	7-11-01 (FCC)
1	Extend 8" S Under Sporehouse Drive	6-10-96

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Chief, Development Engineering Division: *[Signature]* Date: 3/25/06
 Chief, Division of Land Development and Research: *[Signature]* Date: 3/25/06
 Director: *[Signature]* Date: 3/25/06

OWNER / DEVELOPER:
 PERCENTEE, INC.
 96 MICHAEL OFFENDAL
 10910 RTE 108
 SILVER SPRING, MD. 20904

OWNER:
 THE BOARD OF EDUCATION OF HOWARD COUNTY
 676 MR. BILL GRAU
 10910 RTE 108
 ELLICOTT CITY, MD 21043



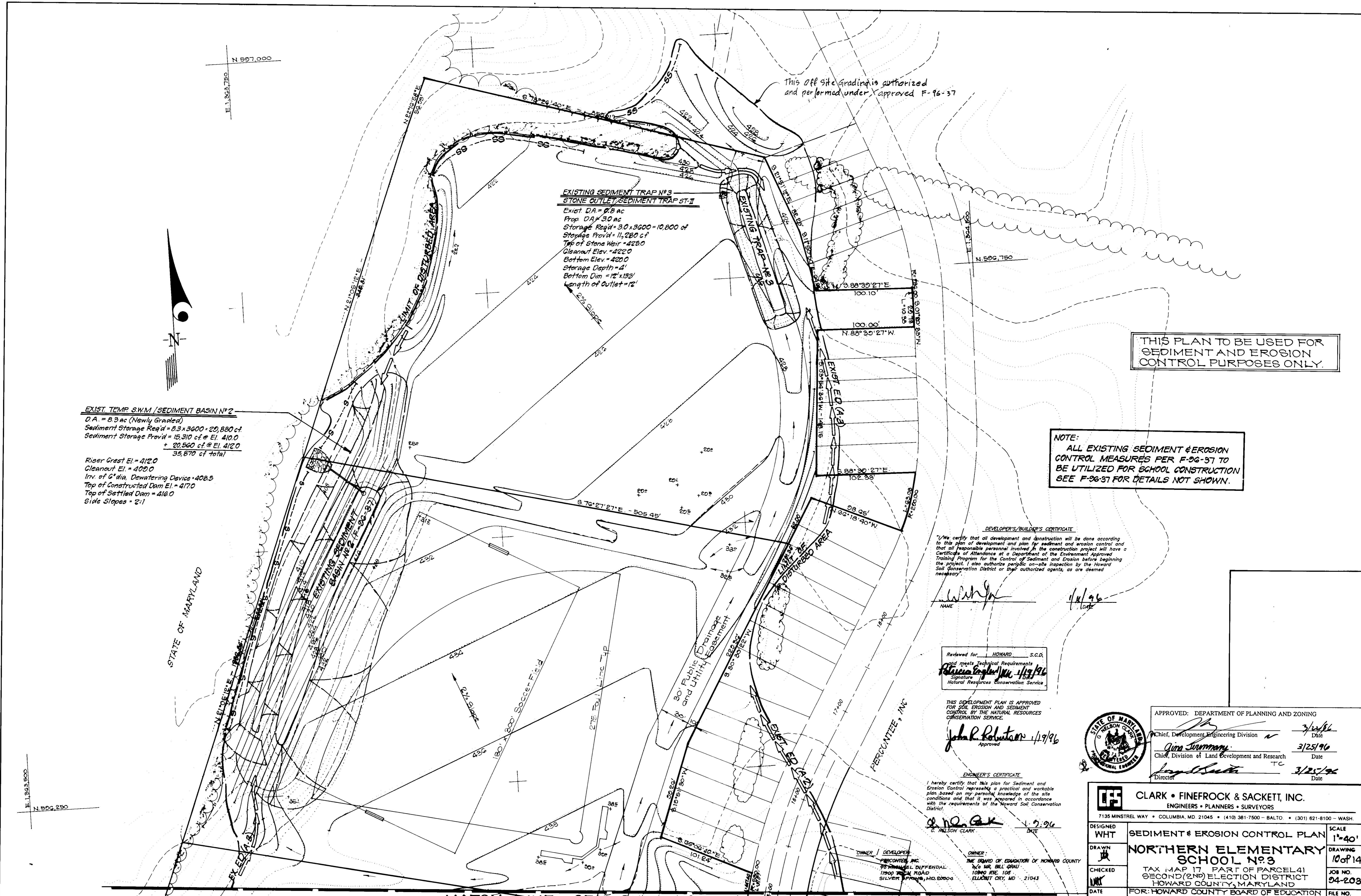
CLARK • FINEFROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (410) 381-7500 - BALTO. • (301) 821-8100 - WASH.

DESIGNED: KIWM
 DRAWN: *[Signature]*
 CHECKED: *[Signature]*
 DATE: 12-27-05

SEDIMENT & EROSION CONTROL PLAN
 SCALE: 1"=40'
 DRAWING: 9 of 14
 JOB NO.: 04-203
 FILE NO.: 04-203X

TAX MAP 17 PART OF PARCEL 41
 SECOND (2ND) ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 FOR: HOWARD COUNTY BOARD OF EDUCATION
 10910 ROUTE 108
 ELLICOTT CITY, MARYLAND 21042

SDP-96-34



This off site grading is authorized and performed under approved F-96-37

**EXISTING SEDIMENT TRAP NO. 3
STONE OUTLET, SEDIMENT TRAP ST-II**
 Exist. DA = 9.8 ac
 Prop. DA = 30 ac
 Storage Req'd = 3.0 x 3600 = 10,800 cf
 Storage Prov'd = 11,280 cf
 Top of Stone Weir = 422.0
 Cleanout Elev. = 422.0
 Bottom Elev. = 420.0
 Storage Depth = 4'
 Bottom Dim = 12' x 18'
 Length of Outlet = 12'

EXIST. TEMP SWM / SEDIMENT BASIN NO. 2
 D.A. = 8.3 ac (Newly Graded)
 Sediment Storage Req'd = 8.3 x 3600 = 29,880 cf
 Sediment Storage Prov'd = 15,310 cf @ El. 410.0
 + 20,560 cf @ El. 412.0
 35,870 cf total
 Riser Crest El. = 412.0
 Cleanout El. = 409.0
 Inv. of 6" dia. Dewatering Device = 408.5
 Top of Constructed Dam El. = 417.0
 Top of Settled Dam = 416.0
 Side Slopes = 2:1

THIS PLAN TO BE USED FOR
SEDIMENT AND EROSION
CONTROL PURPOSES ONLY.

NOTE:
ALL EXISTING SEDIMENT & EROSION
CONTROL MEASURES PER F-96-37 TO
BE UTILIZED FOR SCHOOL CONSTRUCTION
SEE F-96-37 FOR DETAILS NOT SHOWN.

DEVELOPER'S/BUILDER'S CERTIFICATE
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[Signature]
 NAME: _____ DATE: 1/11/96

Reviewed for: HOWARD S.C.D.
 and meets Technical Requirements
[Signature] 1/19/96
 Signature
 Natural Resources Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE NATURAL RESOURCES CONSERVATION SERVICE.
[Signature] 1/19/96
 Approved

ENGINEER'S CERTIFICATE
 I hereby certify that this plan for Sediment and Erosion 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.
[Signature] 1/27/96
 DATE

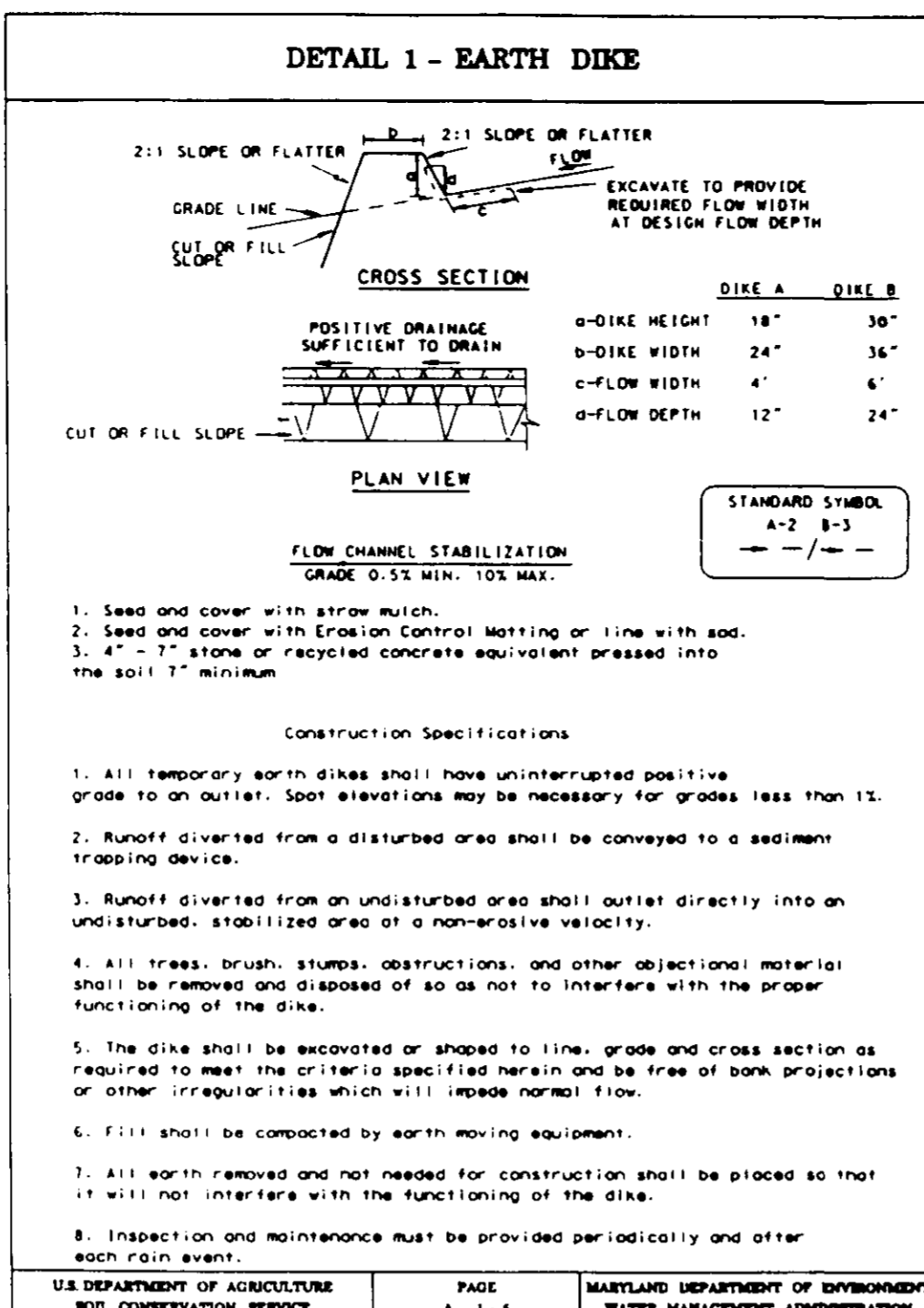
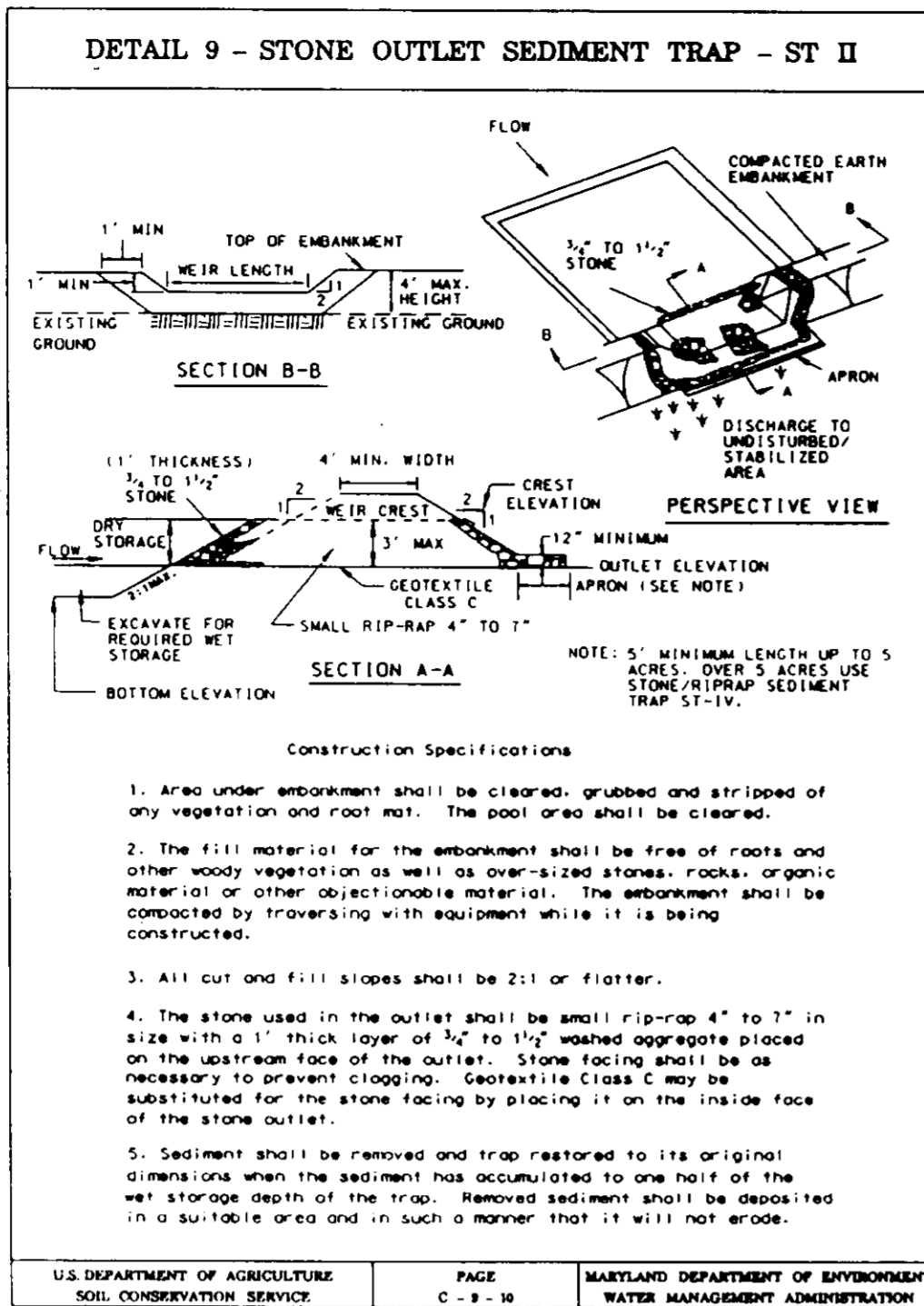
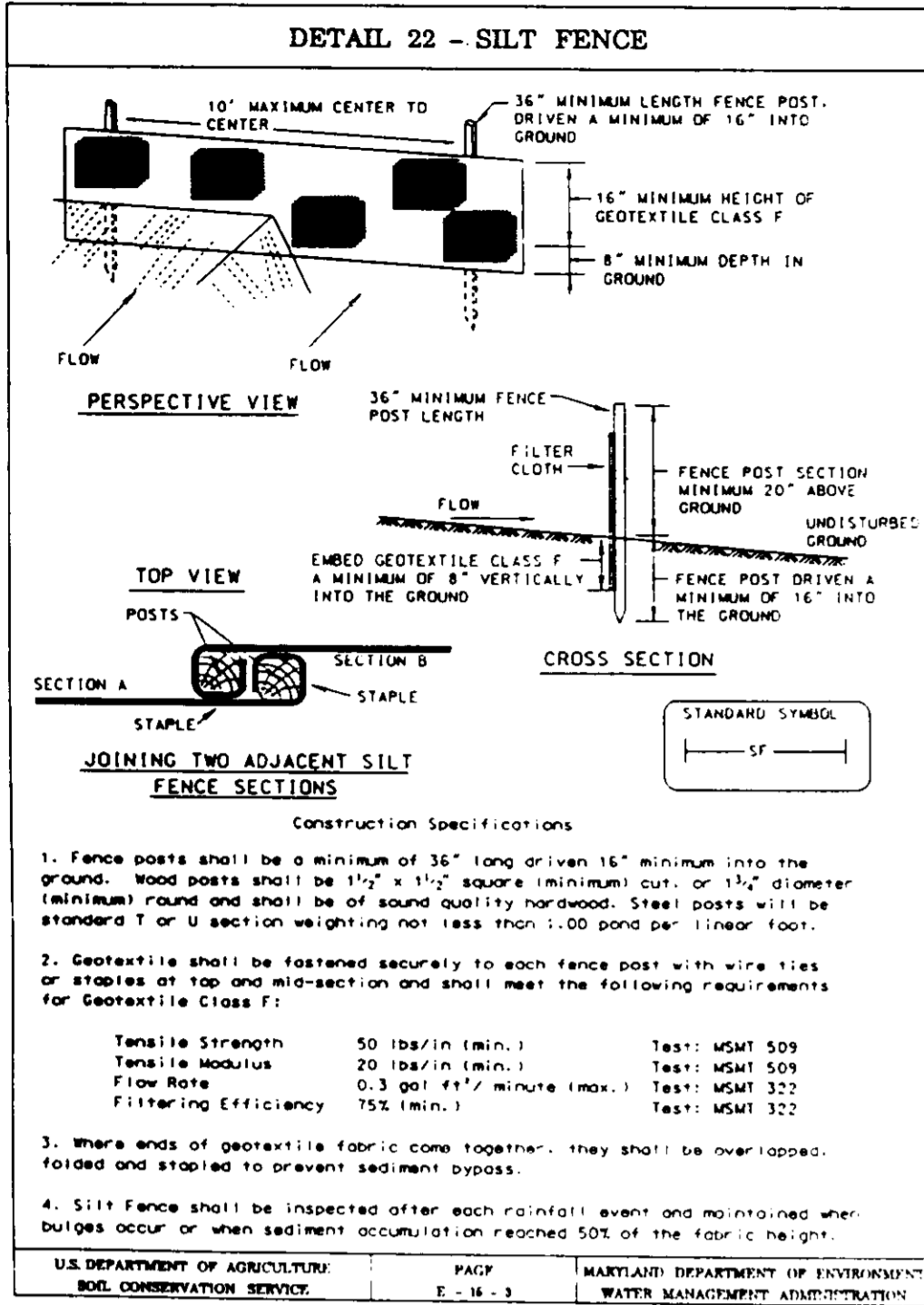


APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Chief, Development Engineering Division 3/24/96
 Date
 Chief, Division of Land Development and Research 3/25/96
 Date
 Director 3/25/96
 Date

CLARK • FINEROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 - BALTO • (301) 621-8100 - WASH.

DESIGNED WHT	SEDIMENT & EROSION CONTROL PLAN	SCALE 1"=40'
DRAWN WHT	NORTHERN ELEMENTARY SCHOOL NO. 3	DRAWING 10 of 14
CHECKED WHT	TAX MAP 17, PART OF PARCEL 41 SECOND (2ND) ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO. 04-203
DATE 12-27-95	FOR: HOWARD COUNTY BOARD OF EDUCATION 10910 ROUTE 108 ELLCOTT CITY, MARYLAND 21042	FILE NO. 04-203X

MATCH LINE - SEE SHEET 8 OF 4



SEDIMENT AND EROSION CONTROL NOTES

- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (313-1855).
- 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 SPECS. FOR SOIL EROSION AND SEDIMENT CONTROL.
- Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within:
 - 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1
 - 14 days as to all other disturbed or graded areas on the project site.
- All sediment traps/basins shown shall be fenced and warning signs posted around their perimeters in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- 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 seedings (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.
- 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.
- SITE ANALYSIS:

Total Area of Site:	19.0 Ac
Area Disturbed:	17.97 Ac
Area to be roofed or paved:	4.92 Ac
Area to be vegetatively stabilized:	13.05 Ac
Total Cut:	5735.56 cu yd
Total Fill:	6820.63 cu yd
Offsite Waste/Borrow Area Location:	
- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment control must be provided, if deemed necessary by the Howard County DPW Sediment Control Inspector.
- 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 total amount of silt fence = N/A - refurbish existing (F-96-97)

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:

- Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs./100 sq.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 the time of seeding, apply 400 lbs. per acre 30-0-0 ureaform fertilizer (9 lbs./1000 sq.ft.)
- Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq.ft.) and apply 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 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 1 1/2 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.

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

TEMPORARY SEEDING NOTES

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 2 1/2 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 1 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 1 1/2 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.

REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

* It is the responsibility of the contractor to identify the spoil/borrow site and notify and gain approval from the sediment control inspector of the site and it's grading permit number at the time of construction.

NOTE:
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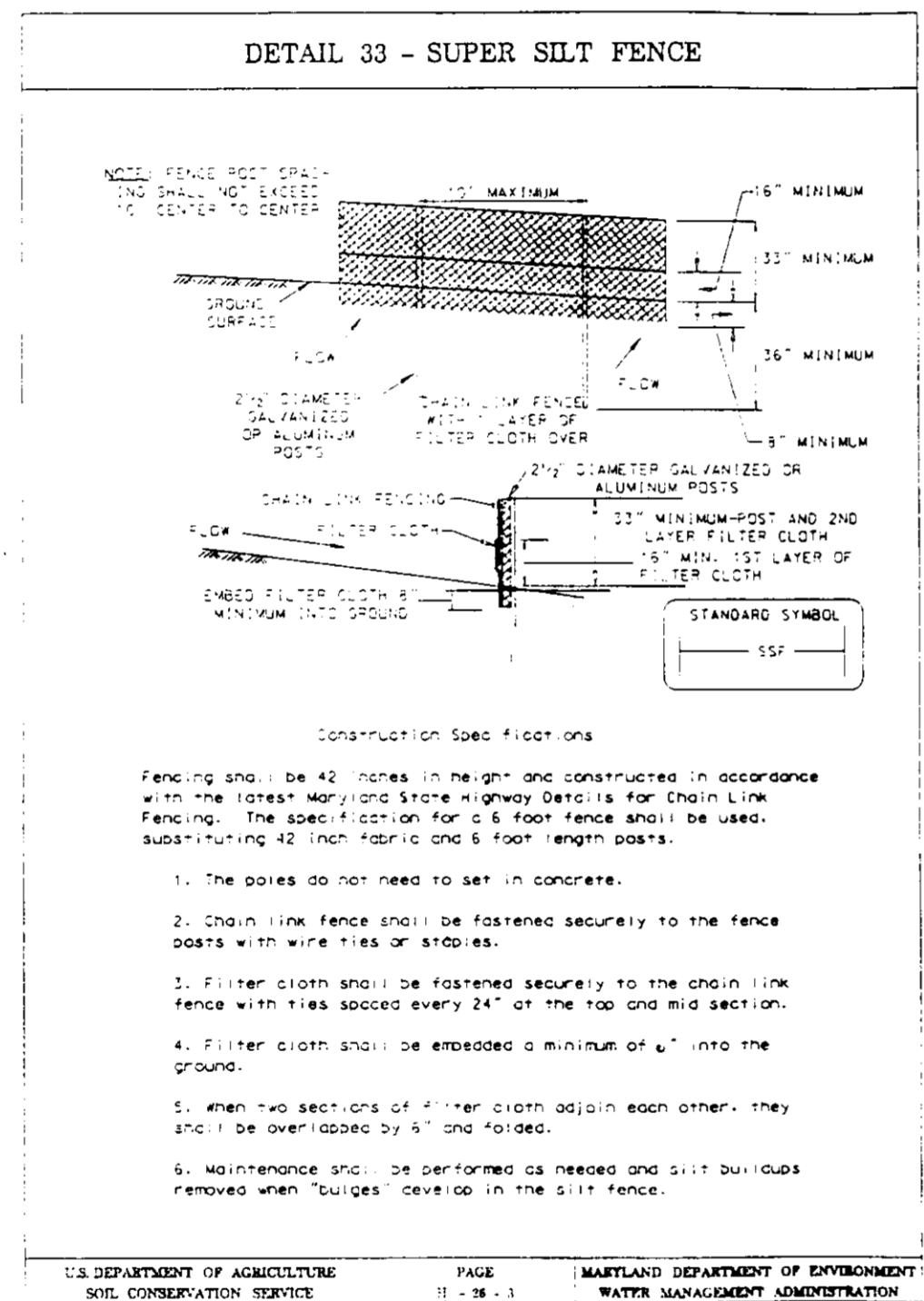
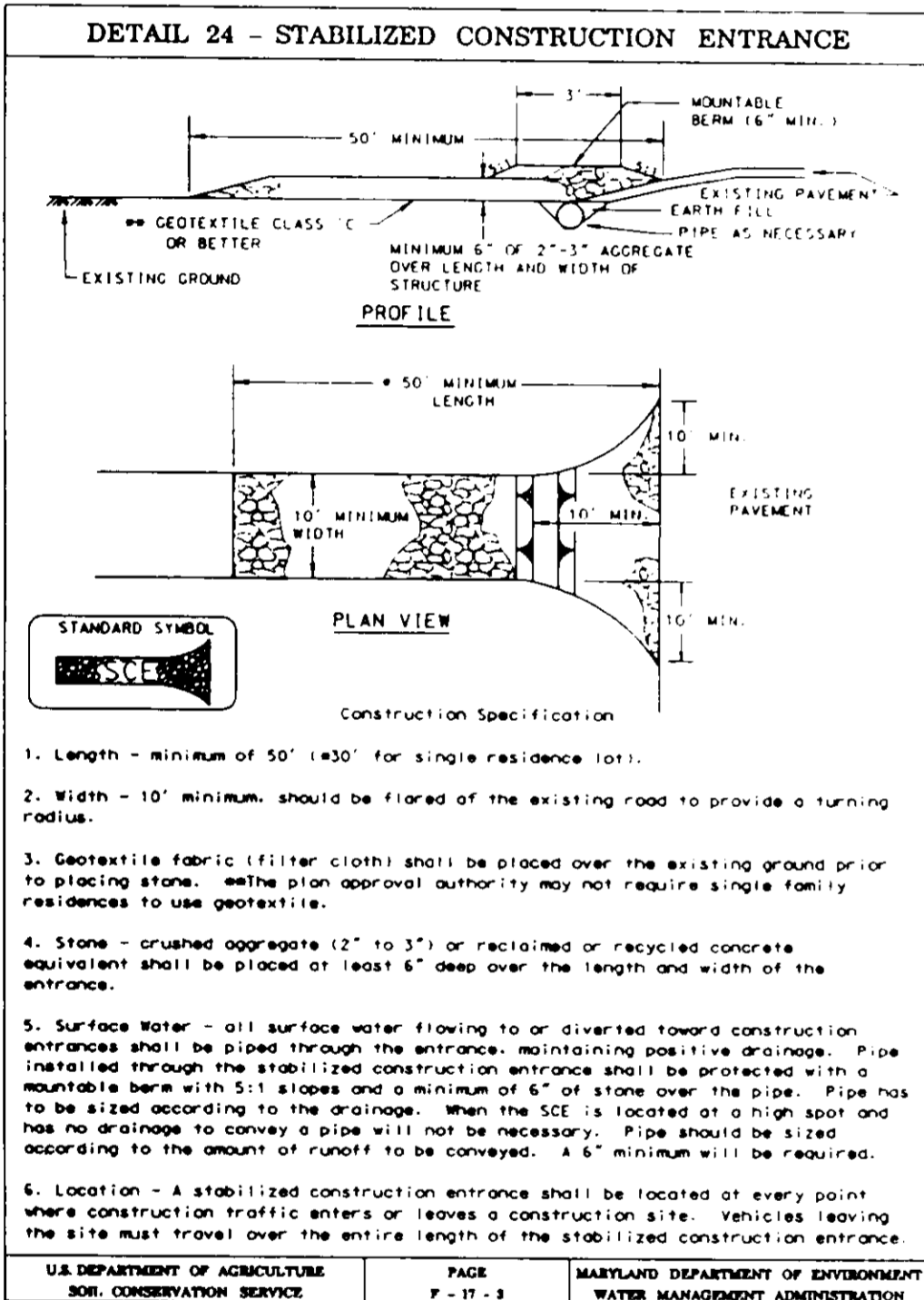
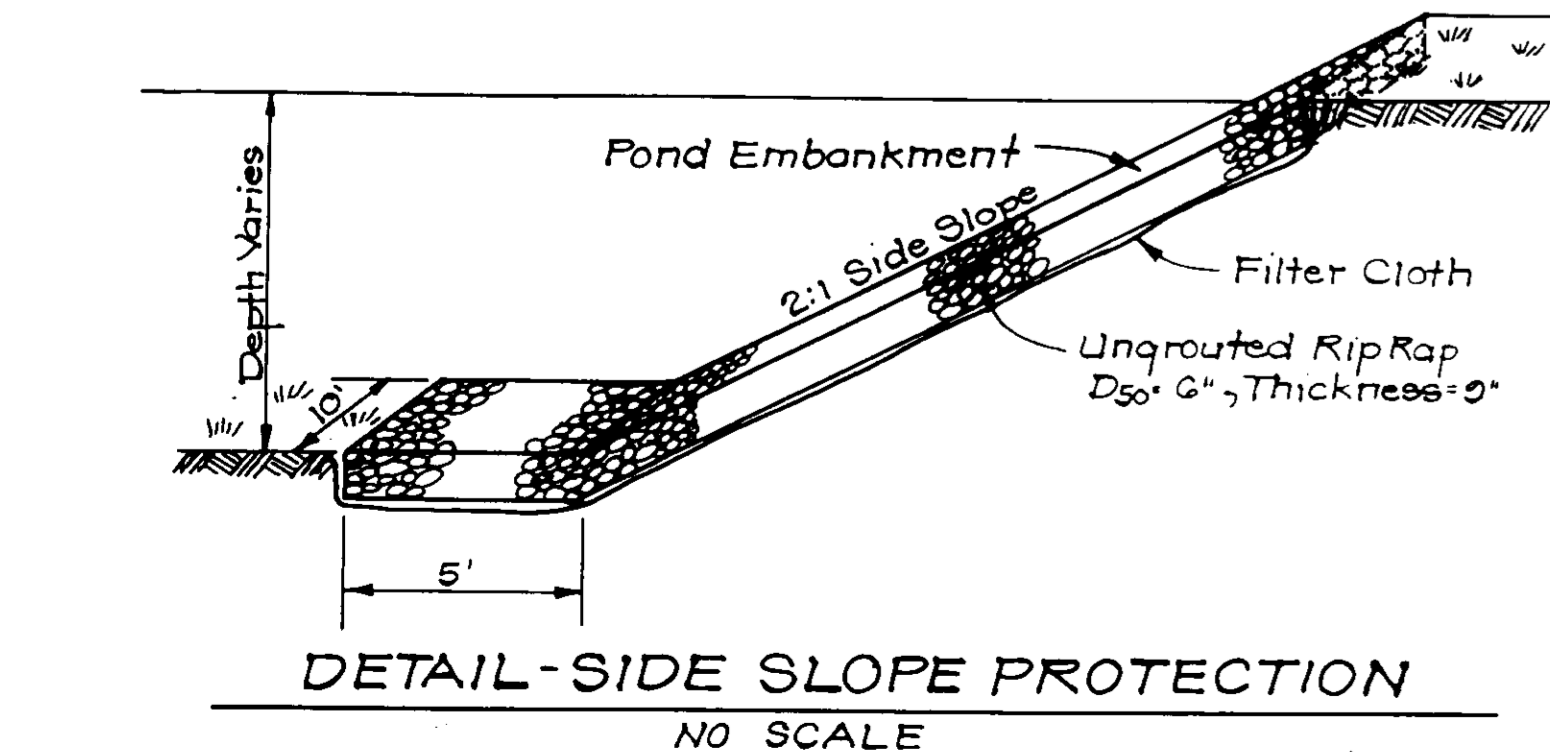
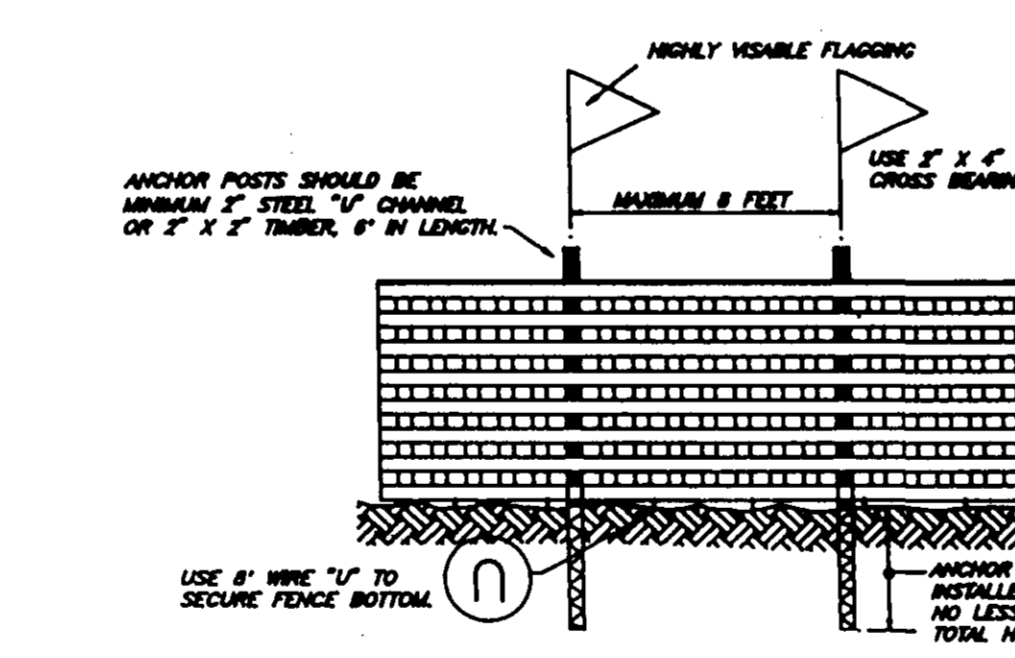


Table 2 - Earth Dike Selection

Slope % **	Drainage Area (acres)									
	1	2	3	4	5	6	7	8	9	10
1	SEED	AND	4							
2	MULCH	4	SEED	AND	SOIL STABILIZATION					
3					MATTING					
4	4"									
5					6"	6"				
6					4"	3"	STONE PRESSES			
7					3"	(min)	INTO GROUND			
8										
9										
10										

* Velocities of discharge in feet/second
** For slopes steeper than 10% refer to Section II - Gravel Stabilization Structures



OWNER / DEVELOPER: PERCENTEE, INC. 96 MICHAEL DIFFENDAL 10800 TECH ROAD SILVER SPRING, MD. 20904

OWNER: THE BOARD OF EDUCATION OF HOWARD COUNTY c/o MR. BILL GRAU 10810 RTE. 108 ELLICOTT CITY, MD 21043

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W. H. G. 1/11/96

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G. NELSON CLARK 1-9-96



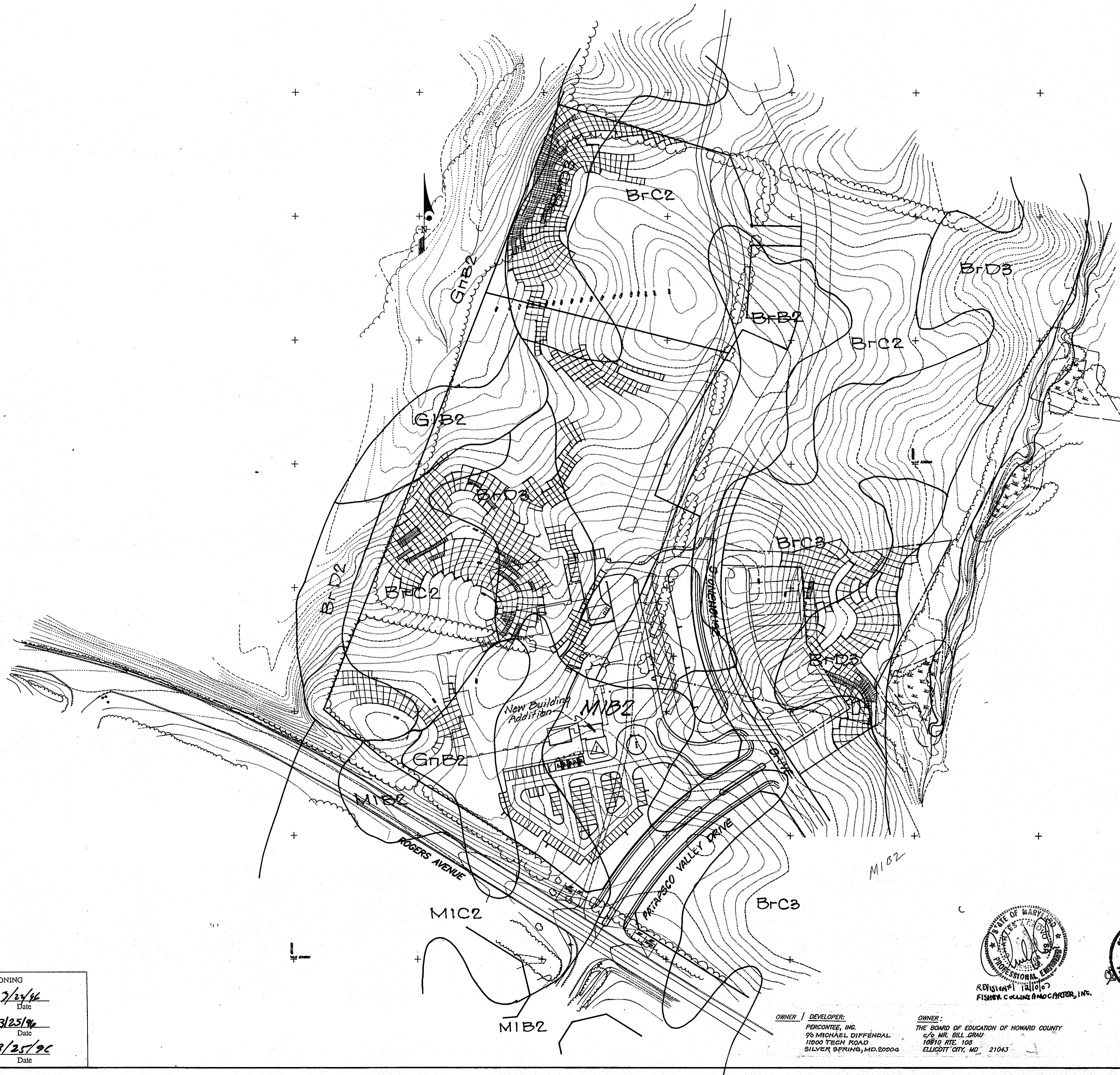
Reviewed for HOWARD S.C.D. and meets Technical Requirements
Signature: [Signature] Natural Resources Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE NATURAL RESOURCES CONSERVATION SERVICE.
John R. Roberts 1/19/96 Approved

APPROVED: DEPARTMENT OF PLANNING AND ZONING
Chief, Development Engineering Division [Signature] 3/25/96
Date
Jim Kimmery [Signature] 3/25/96
Date
Director [Signature] 3/25/96
Date

CLARK • FINEPROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS
7135 MINISTREL WAY • COLUMBIA MD 21045 • (410) 381-7500 BALTO • (301) 621-8100 WASH

DESIGNED KIWM	SEDIMENT & EROSION CONTROL DETAILS	SCALE
DRAWN [Signature]	NORTHERN ELEMENTARY SCHOOL No. 3	DRAWING 11 of 14
CHECKED [Signature]	TAX MAP 17 PART OF PARCEL 41 SECOND (2ND) ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO. 04-209
DATE 12-27-88	FOR: HOWARD COUNTY BOARD OF EDUCATION 10810 ROUTE 108 ELLICOTT CITY, MARYLAND 21042	FILE NO. 04-209-X



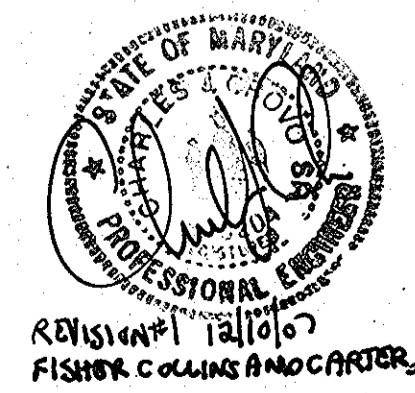
SOILS CHART			
SYMBOL	TYPE	DESCRIPTION	
C Br B2	Brandywine Loam	3-8% slopes, moderately eroded	
C Br C2	Brandywine Loam	8-15% slopes, moderately eroded	
C Br C3	Brandywine Loam	8-15% slopes, severely eroded	
C Br D2	Brandywine Loam	15-25% slopes, moderately eroded	
C Br D3	Brandywine Loam	15-25% slopes, severely eroded	
B GIB2	Glenelg Loam	3-8% slopes, moderately eroded	
C GIB2	Glenelg Loam	3-8% slopes, moderately eroded	
B MIB2	Manor Loam	3-8% slopes, moderately eroded	
B MIC2	Manor Loam	8-15% slopes, moderately eroded	

Note: See Howard County Soils Map No. 10

Denotes Slopes 15% - 25%
 Denotes Slopes 25% or Greater

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Chief, Development Engineering Division *[Signature]* 7/24/96 Date
 Chief, Division of Land Development and Research *[Signature]* 3/25/96 Date
 Director *[Signature]* TC 3/25/96 Date

OWNER: THE BOARD OF EDUCATION OF HOWARD COUNTY
 c/o MR. BILL GRAY
 10810 RTE. 108
 ELLICOTT CITY, MD 21043
 DEVELOPER: PERCOTTEE, INC.
 c/o MICHAEL DIFFENDAL
 11800 TECH ROAD
 SILVER SPRING, MD 20904



No.	Revision	By	Date
1	Added building addition	FCG	12-10-07

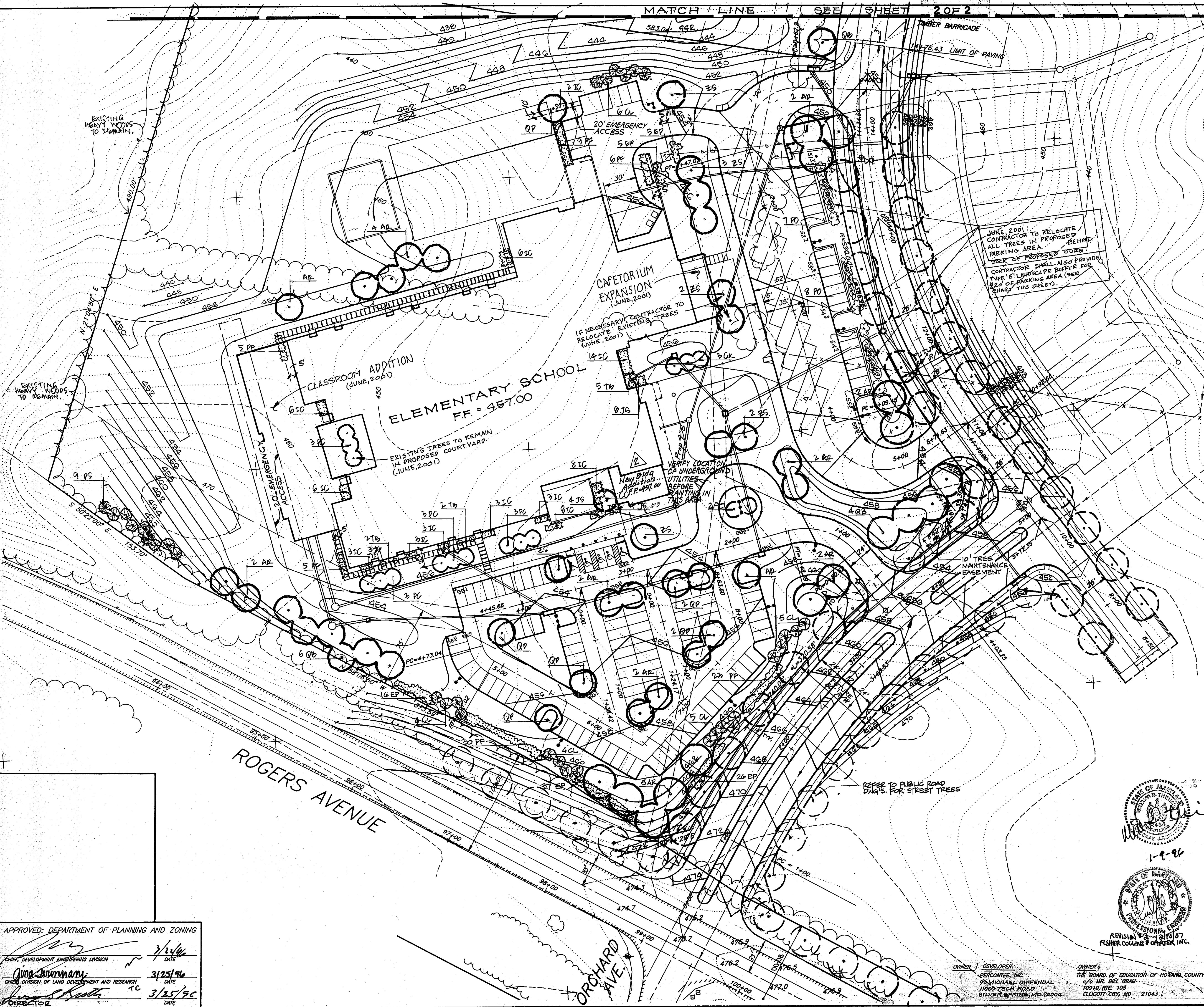
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 ENGINEERS • PLANNERS • SURVEYORS
 7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (410) 381-7500 - BALTO. • (301) 621-8100 - WASH.

DESIGNED KIWM	SOILS AND SLOPES ANALYSIS PLAN NORTHERN ELEMENTARY SCHOOL No. 3 TAX MAP 17 PART OF PARCEL 41 SECOND (2ND) ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: HOWARD COUNTY BOARD OF EDUCATION 10910 ROUTE 108 ELLICOTT CITY, MARYLAND 21042	SCALE 1"=100'
DRAWN JH		DRAWING 12 of 14
CHECKED MM		JOB NO. 04-209
DATE 12-27-06		FILE NO. 04-209X

SDP 96-34

PARKING EXPANSION LANDSCAPING PLANT LIST JUNE, 2001		
QTY	KEY	TYPE
6		* SHADE TREES
55		* SHRUBS

* PLANTING MATERIAL SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY LANDSCAPE MANUAL



JUNE, 2001. CONTRACTOR TO RELOCATE ALL TREES IN PROPOSED PARKING AREA BEHIND CURB OF PROPOSED CURB. CONTRACTOR SHALL ALSO PROVIDE TYPE 'E' LANDSCAPE BUFFER FOR 20' OF PARKING AREA (SEE SHEET 1 OF THIS SHEET).

ELEMENTARY SCHOOL
FF = 457.00

CLASSROOM ADDITION
(JUNE, 2001)

CAFETORIUM EXPANSION
(JUNE, 2001)

EXISTING TREES TO REMAIN IN PROPOSED COURTYARD (JUNE, 2001)

VERIFY LOCATION OF UTILITIES BEFORE PLANTING IN THIS AREA

REFER TO PUBLIC ROAD PLANS FOR STREET TREES



APPROVED: DEPARTMENT OF PLANNING AND ZONING

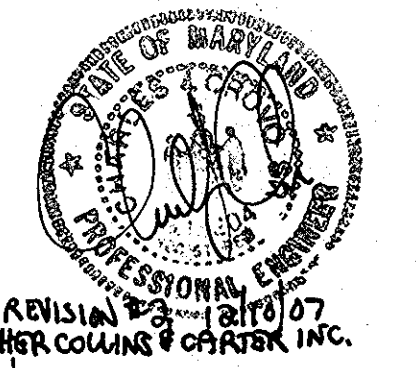
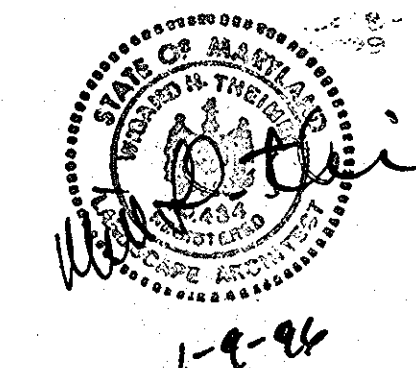
3/24/96
DATE

3/25/96
DATE

3/25/96
DATE

DATE	DESCRIPTION	BY
12/07	Added building addition	FCC
7/11/01	INDICATE BUILDING ADDITIONS * PARKING LOT EXPANSION	FCC

FOR REVISIONS MADE TO THIS PLAN JUNE 2001 (APPROX.)



KILDUFF NAGY - LANDSCAPE ARCHITECTS
4815 Prince George's Avenue • Suite 203
Beltsville, MD 20705
(301) 595-4955 FAX (301) 595-0964
Land Planning • Landscape Architecture • Park and Recreation Planning

CLARK • FINEFROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS
7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (410) 381-7500 - BALTO. • (301) 621-8100 - WASH.

DESIGNED	SCALE
MSH	1" = 40'
DRAWN	13 of 14
CHECKED	JOB NO. 04-203
DATE 11-27-95	FILE NO. 04-203X

NORTHERN ELEMENTARY SCHOOL No. 3
TAX MAP 17, PARCEL 41
SECOND (2ND) ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

FOR: HOWARD COUNTY BOARD OF EDUCATION
10010 ROUTE 108
ELlicott CITY, MARYLAND 21043

GDP-96-34

Howard County Landscape Manual Data

Landscape Type	SCHEDULE A PERIMETER LANDSCAPE EDGE			
	B	D	E	C
Linear Feet of Roadway Frontage/Perimeter	265'	580'	925'	835'
Credit for Existing Vegetation (Yes, No, Linear Feet) (Describe below if needed)	0	0	0	0
Credit for Wall, Fence or Berm (Yes, No, Linear Feet) (Describe below if needed)	0	0	0	0
Number of Plants Required				
Shade Trees	8	12	14	24
Evergreen Trees	9	15	13	42
Shrubs				
Number of Plants Provided				
Shade Trees	8	12	5 (2:1 substitution)	5 (2:1 substitution)
Evergreen Trees	9	15	13	74 (2:1 substitution)
Other Trees (2:1 substitution)				
Shrubs (10:1 substitution)				
(Describe plant substitution credits below if needed)				

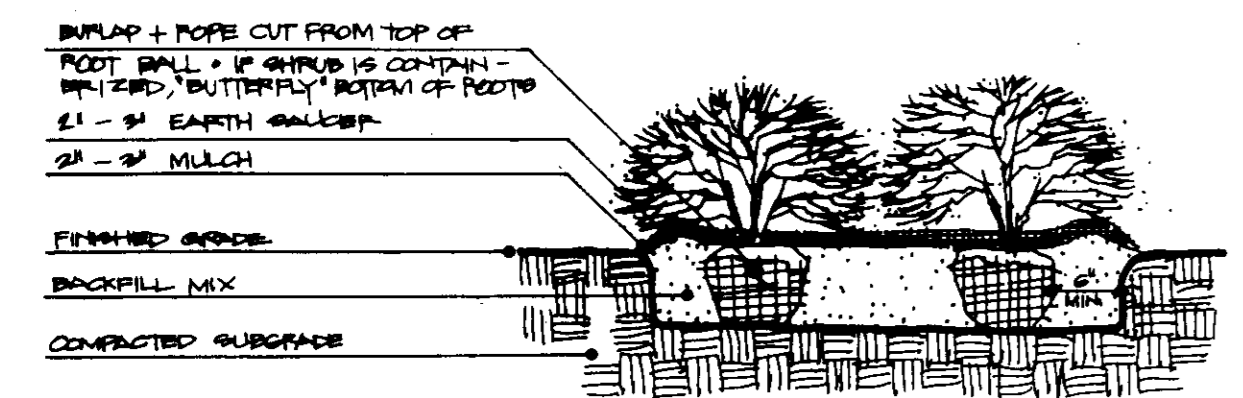
SCHEDULE B
PARKING LOT INTERNAL LANDSCAPING

Number of Parking Spaces	86
Number of Trees Required	10
Number of Trees Provided	
Shade Trees	
Other Trees (2:1 substitution)	10

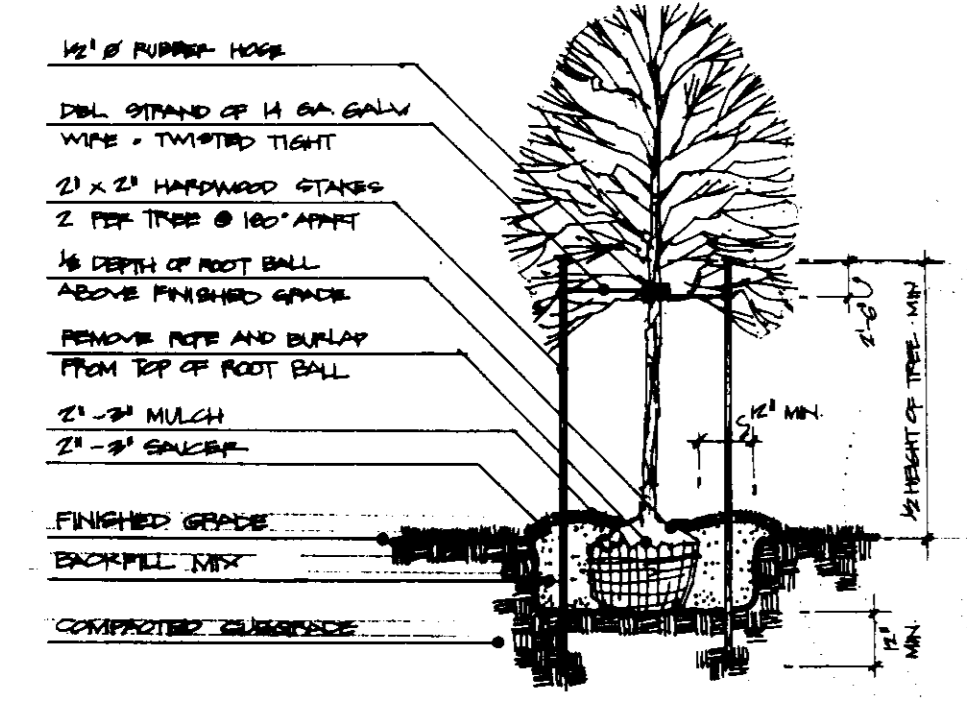
Plant List

KEY	QUAN.	NAME	SIZE - CONDITION
AR	35	ACER VITIFOLIUM 'OCTOBER GLORY'	12'-15'; 2 1/2"-3" cal. D+B
OC	1	OCTOBER GLORY DED MAPLE	8'-10'; D+B MULTI-STEM
CK	3	CORNUS KOUSSA 'CHINENSIS'	6'-7'; D+B MULTI-STEM
CL	58	CUPRESSOCYPRAS LEYLANDII	7'-8'; D+B FULL
EP	89	EVONYMUS ALATIS 'PAULI'	24"-30"; 8+B
IC	05	JEXX CHINATA 'GREEN WISTAR'	18"-24"; D+B
JS	14	JUNIPERUS CHINENSIS 'SARGENTII'	18"-24"; CONTAINED
PC	14	PINUS CESTRIFIDA 'THUNDERCLOUD'	8'-10'; 1 1/2"-2" cal. D+B
PP	78	PINUS FLORENSIS 'FLORIBUNDA'	2'-3'; D+B (S/O.C)
PS	49	PINUS STROBUS	6'-8'; D+B FULL
PO	15	PIGEA ONOMICA	6'-7'; D+B FULL
QR	12	QUERCUS BOREALIS	12'-15'; 2 1/2"-3" cal. D+B
QP	8	QUERCUS PAUCIFLORA	12'-15'; 2 1/2"-3" cal. D+B
TD	23	TAXUS BACATA 'VIRGINIANA'	18"-24"; D+B
ZS	10	ZELKOVA SERATA 'GREEN VASE'	12'-15'; 2 1/2"-3" cal. D+B

- PLANTING NOTES:
- Field verify underground utility locations before starting planting work. Contact Architect if any relocations are required.
 - All areas disturbed by construction activities but not otherwise planted, graded or mulched shall be seeded in accordance with project specifications.
 - All plant materials shall be full and heavy; be well formed and symmetrical; conform to A.A.S. Specifications and be installed in accordance with project specifications.
 - All exposed earth within the limits of the planting bed shall be mulched with shredded hardwood mulch as per planting details.
 - Plant quantities shown on plant list are provided for the convenience of the contractor only. If discrepancies exist between quantities shown on the Plan and those shown on the Plant List, the quantities on the Plan shall take precedence.
 - This plan to be used for planting only.
 - The contractor shall notify the Architect in writing if he/she encounters soil or drainage conditions which may be detrimental to the growth of plants.



Shrub Planting Detail



Tree Planting Detail

APPROVED: DEPARTMENT OF PLANNING AND ZONING

DATE: 3/25/96

DATE: 3/25/96

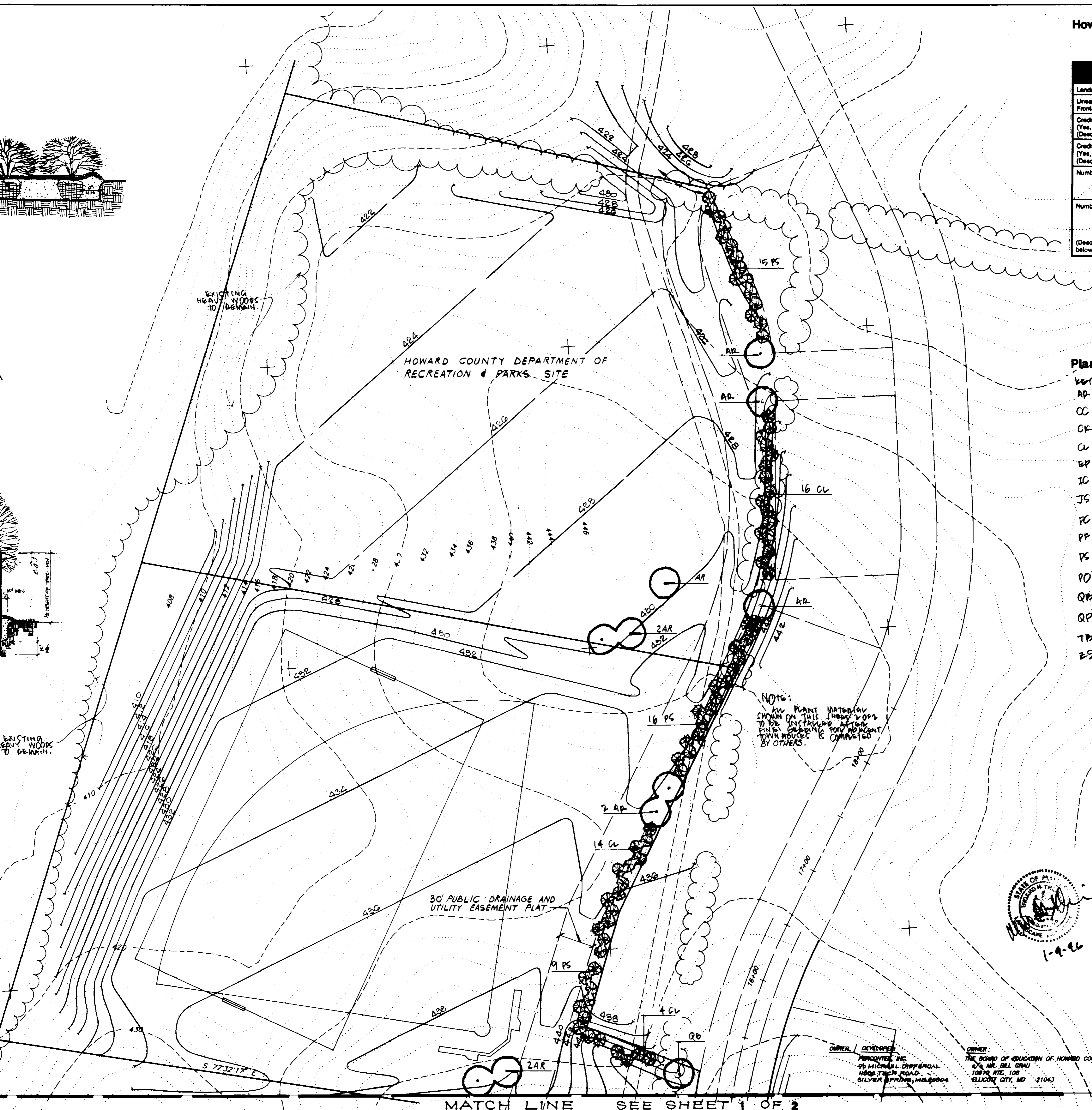
DATE: 3/25/96

DESIGNED: MSN

DRAWN: MSN

CHECKED: MSN

DATE: 12-27-95



KILDUFF NAGY - LANDSCAPE ARCHITECTS
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Land Planning - Landscape Architecture - Park and Recreation Planning

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LANDSCAPE PLAN

NORTHERN ELEMENTARY SCHOOL #3

TAX MAP 17, PARCEL 41

SECOND (2ND) ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

FOR: HOWARD COUNTY BOARD OF EDUCATION

10910 ROUTE 108

ELLCOTT CITY, MARYLAND 21043

MATCH LINE SEE SHEET 1 OF 2

SDP-96-34