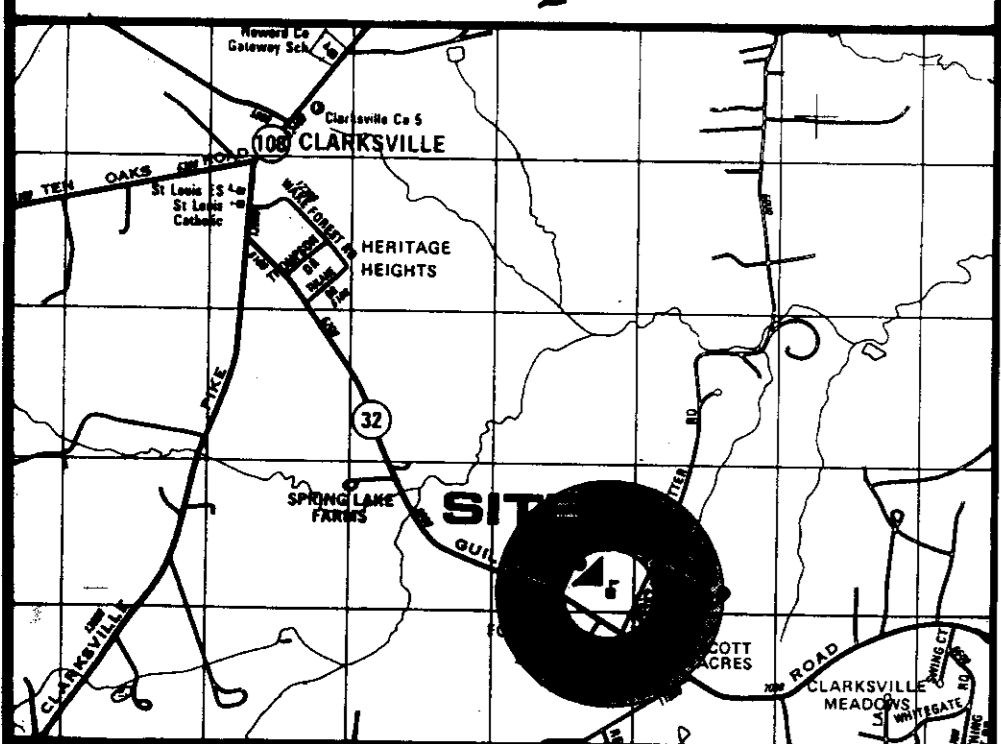
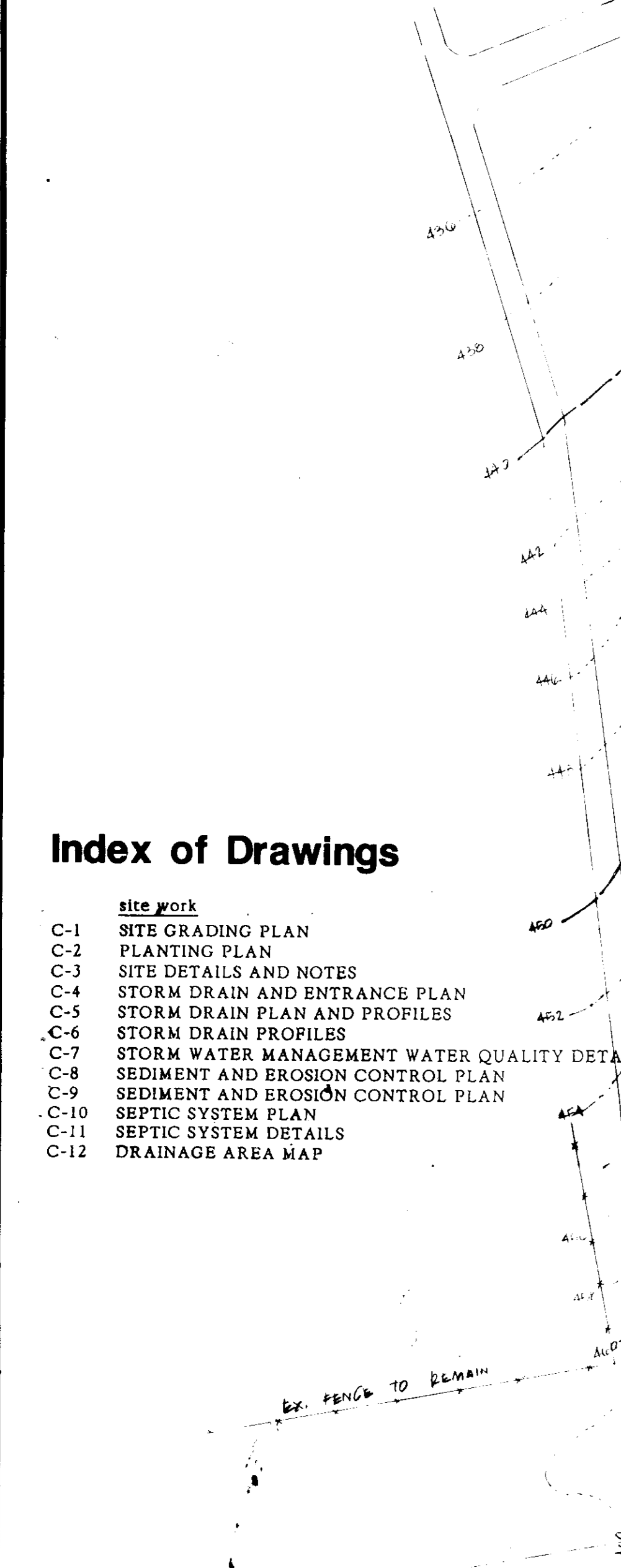


APPROVED FOR PRIVATE WATER AND SEPTIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER (C.O.) DATE 2-14-90
 APPROVED FOR PLANNING AND ZONING
 HOWARD COUNTY DEPT. OF PLANNING AND ZONING DATE 3-15-90
 DIRECTOR DATE 3/6/90
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE 45
 APPROVED FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS,
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR DATE 3/1/90
 CHIEF, BUREAU OF ENGINEERING DATE 3-1-90



Vicinity Map

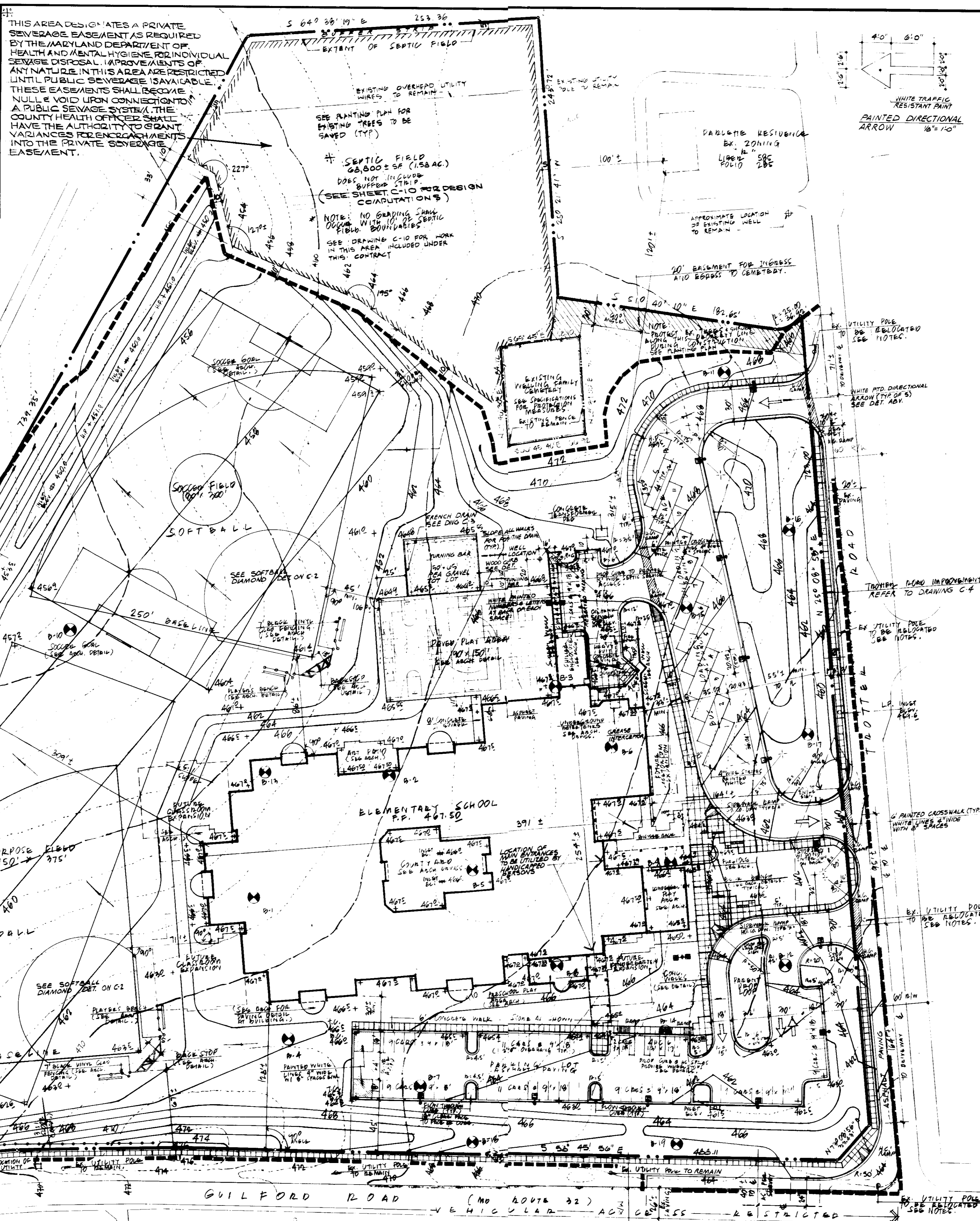


10-25-89
 45

THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT AS REQUIRED BY THE MARYLAND DEPARTMENT OF HEALTH AND MENTAL HYGIENE FOR INDIVIDUAL SEWAGE DISPOSAL. APPROVED VARIANCES FOR ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL & VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWERAGE EASEMENT.

SEPTIC FIELD 68,000 SF (128 AC.) DOES NOT INCLUDE BUFFER STRIP (SEE SHEET C-10 FOR DESIGN COMPUTATIONS)
 NOTE: NO GRADING SHALL OCCUR WITHIN 10' OF SEPTIC FIELD BOUNDARIES
 SEE DRAWING C-10 FOR WORK IN THIS AREA INCLUDED UNDER THIS CONTRACT

FOR PLANNING SUBDIVISION
 2 - RURAL
 3 ACRES MIN.
 LOT 10



APPLICABLE FILES:
 FDP-207, S-89-83,
 PB-253, F-90-10
 WP-89-108

SITE ANALYSIS:

1. AREA OF PARCEL	15.4 ACRES OR 670,814 SQ. FT.
2. ZONING	NEW TOWN, OPEN SPACE, HERITAGE HEIGHTS, PUBLIC UTILITIES, 2000
3. PROPOSED USE	69,750 SQ. FT.
4. FLOOR AREA	(STORY - 28' (PER CODE))
5. BUILDING HEIGHT	90' 2.45 (PER HOWARD COUNTY 2000 REGULATIONS)
6. PARKING SPACES REQUIRED	89 SPACES TOTAL
7. PARKING SPACES PROVIDED	89 SPACES TOTAL
8. BUS LOADING SPACES PROVIDED	78 REGULAR SPACES
9. OPEN SPACE	19 x 12' x 44'
10. BUILDING COVERAGE	81.9% OR 544,735 SQ. FT.
11. FINAL DEVELOPMENT PLAN	FU - 201
12. AREA OF PAVED PARKING	39,249 SQ. FT. OR .91 AC.

LEGEND

1. CONTOUR INTERVAL	2 FEET
2. EXISTING CONTOURS	400
3. PROPOSED CONTOURS	460
4. PROPOSED SPOT ELEVATIONS	+4602
5. EXISTING PAVING	
6. PROPOSED STANDARD 6" SUBMITTAL CURB AND GUTTER	
7. LIMIT OF WORK LINE*	
8. CONCRETE WALK	
9. 6" BLACK VINYL GLASS FENCE (LIMITS NOTED AS 8-1)	
10. POLE LOCATIONS	
11. LIGHT POLES (SEE ELECTRICAL PLAN FOR EXACT LOCATIONS)	
12. DIRECTION OF DRAINAGE	

GRADING QUANTITIES

CUT REQUIRED	41,500 CU YDS
FILL REQUIRED	33,000 CU YDS
TOTAL CUT REQUIRED TO BALANCE SITE	14,500 CU YDS

NOTE: GRADING QUANTITIES ARE APPROXIMATE AND SHOULD NOT BE USED FOR BIDDING PURPOSES. CONTRACTOR SHALL VERIFY WITH FIELD SURVEYOR. NO RESPONSIBILITY FOR THE ABOVE FIGURES. ALL ACTUAL DATA EXCEPTED. IMPORTED FILL ETC. SEE RED TO ACHIEVE FINISH GRADE. SHOULD BE INCLUDED - BASE FILL.

CLARKSVILLE TOWNSHIP
 HOWARD COUNTY BOARD OF EDUCATION
 PLAT 354
 EX. 201114

NOTES:

- CONTRACTOR SHALL COORDINATE NECESSARY UTILITY MOVERS AND LOCATIONS WITH APPROPRIATE UTILITY COMPANIES. THIS WORK SHALL BE PERFORMED IN CONJUNCTION WITH TROTTER ROAD IMPROVEMENTS. CONTRACTOR SHALL BEAR ALL COSTS AND CHARGES ASSOCIATED WITH THE UTILITY POLE RELOCATION.
- BUILDING DIMENSIONS SHOWN IN THIS SITE AND GRADING PLAN ARE APPROXIMATE. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS AND LAYOUT.
- TROTTER ROAD, SULLFORD ROAD IMPROVEMENTS AND DRIVEWAY ENTRANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS STANDARDS. SEE SHEET C-4.
- TOPOGRAPHIC AND BOUNDARY INFORMATION PROVIDED BY M&H DEVELOPMENT ENGINEERS, INC. SUITE 231 HERBERT COOPER VILLAGE CENTER, 5495 HARRIS FARM ROAD, CLARKSVILLE, MD 21034. SURVEY DATED 23 JANUARY 1989.
- BUILDING IS FULLY SPRINKLERED.

ADDRESS CHART

LOT NUMBER	STREET ADDRESS
Lot 1	6600 Trotter Road

Subdivision Name	Western Elementary School	Block / Area	1 / 2	Parcel #	P/O 59 / LOT 1
Plot # or L/F	8922	Block / Zone	19 NT-05	Sec. 5th	6059.01
Water Code	N/A	Sewer Code	N/A		

Site Development Plan
Western Elementary School
 Village of River Hill
 SECTION 1, AREA 1, LOT 1, PARCEL 89
 OWNER:
 Howard County Board of Education
 10910 Route 108
 Elliott City, Maryland 21043

Thomas Clark Associates Architects
 6635 Baltimore Boulevard, Suite 300
 College Park, Maryland 20740
 (301) 343-9400

KILDIFF M&H LANDSCAPE ARCHITECTS
 10726 Baltimore Avenue, Beltsville, MD 20705
 (301) 595-4955

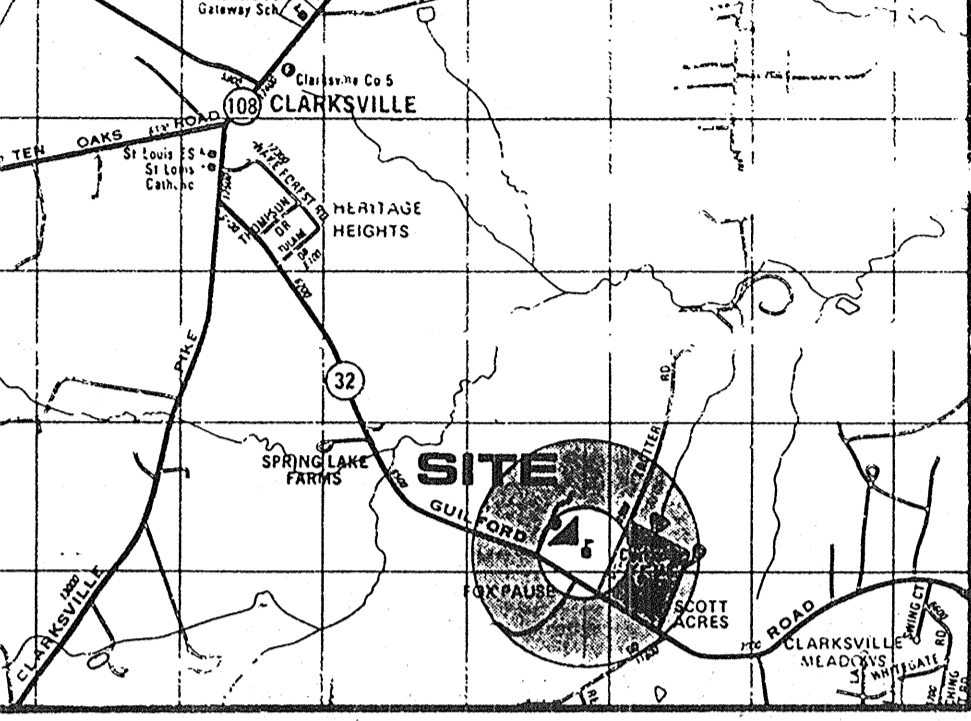
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 Date: 26 June 89
 2ND SUBMITTAL: 15 SEPT 89
 FINAL SUBMITTAL: 16 DEC 89

C-1

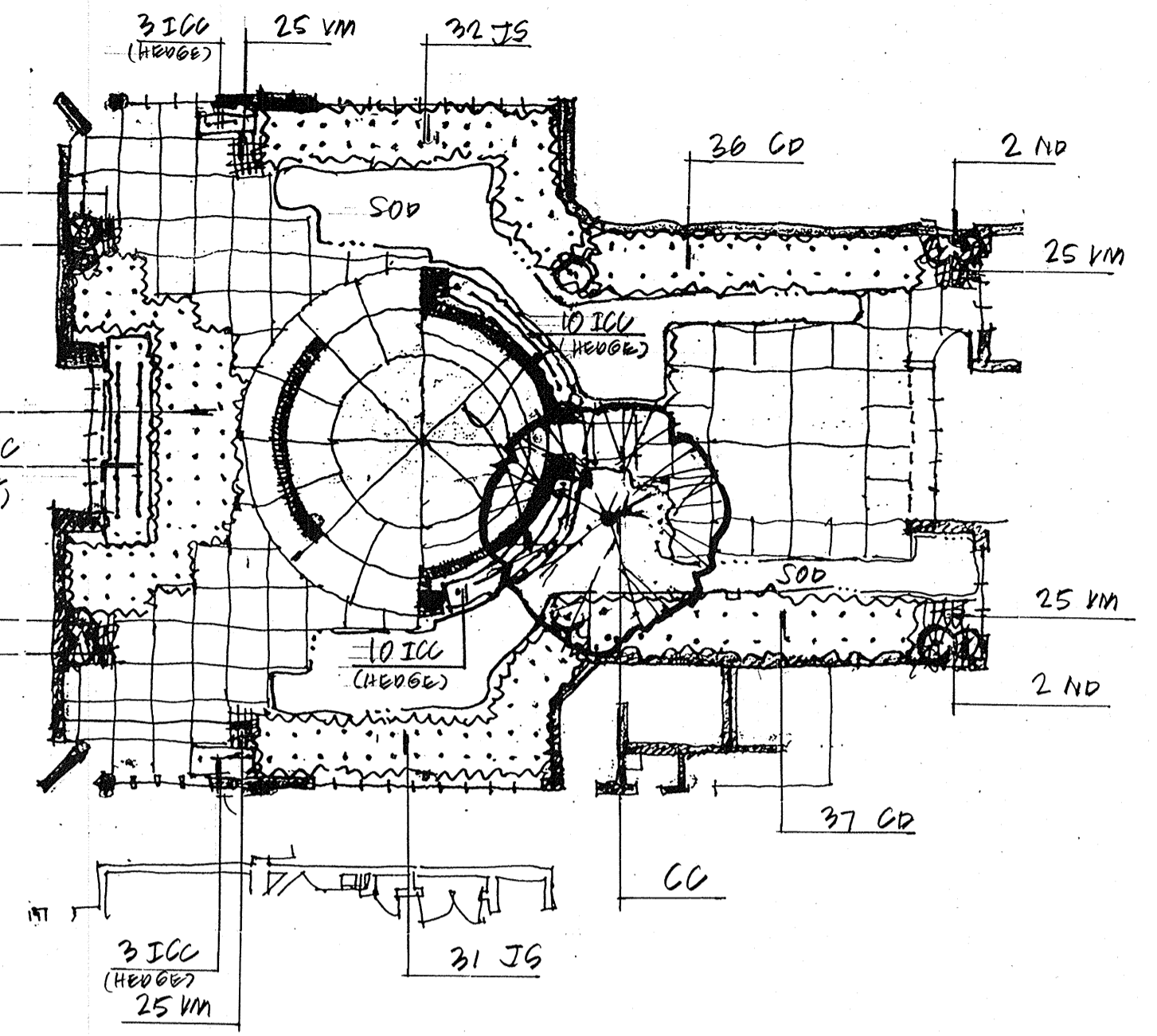
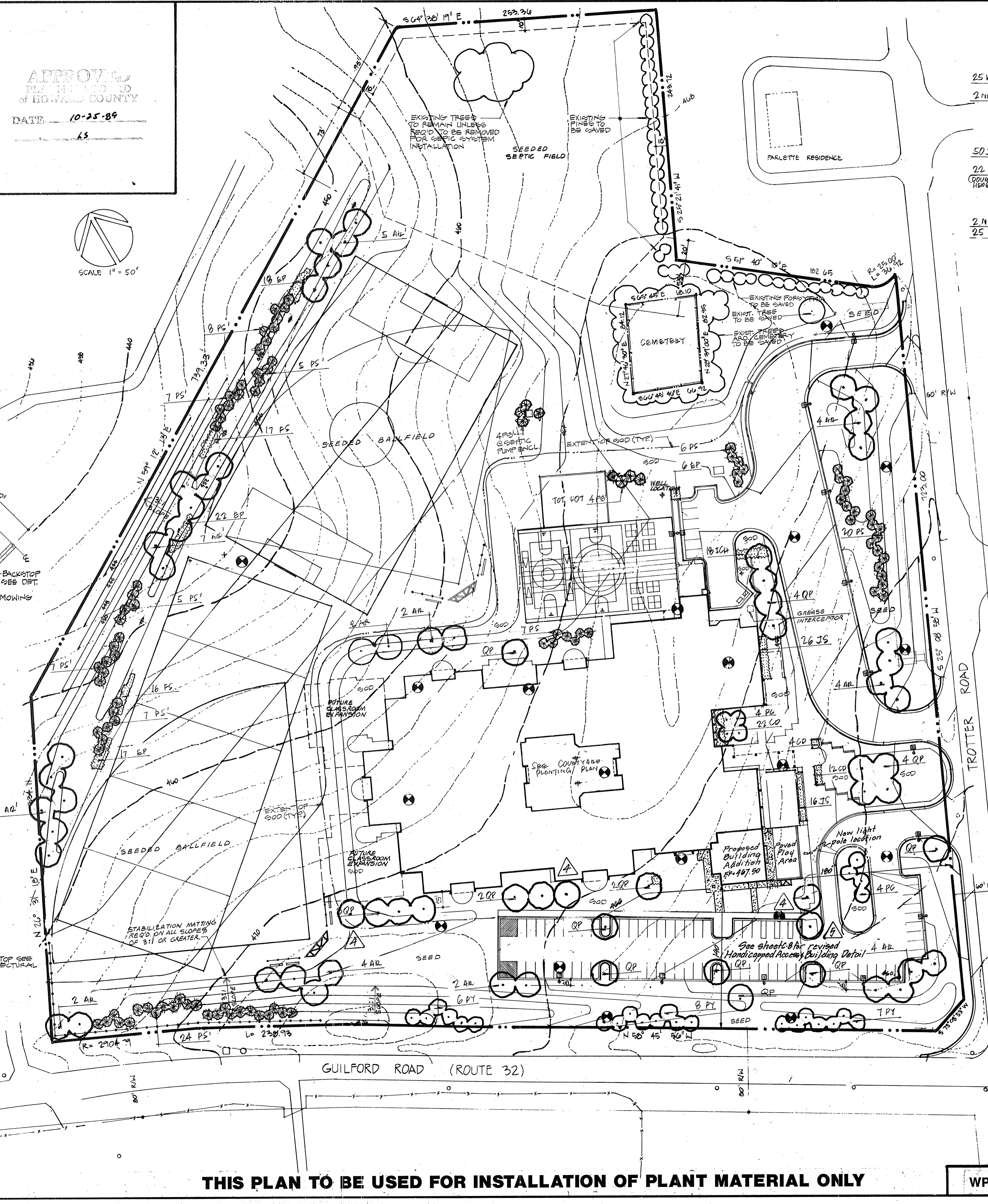
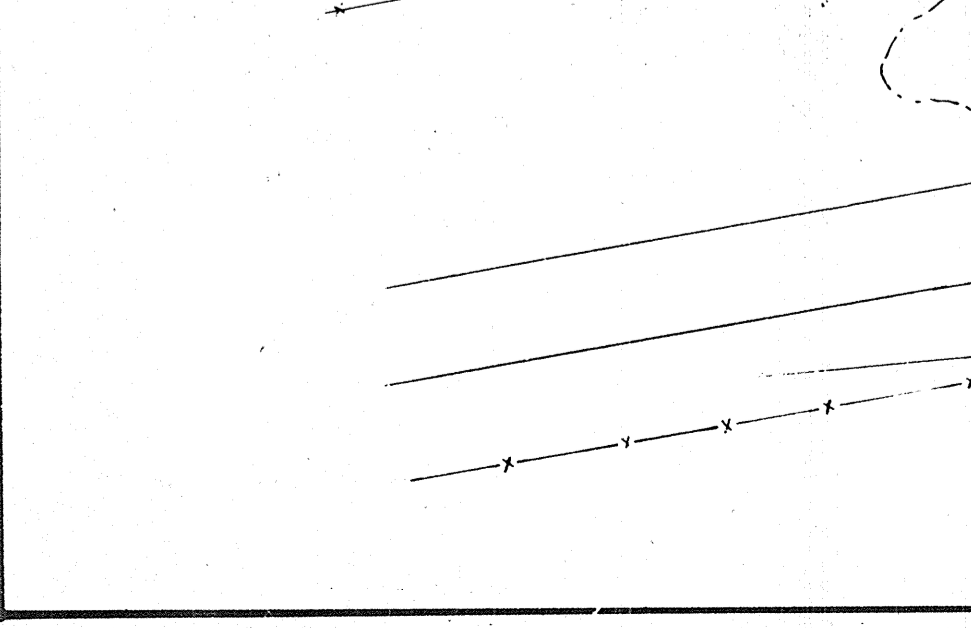
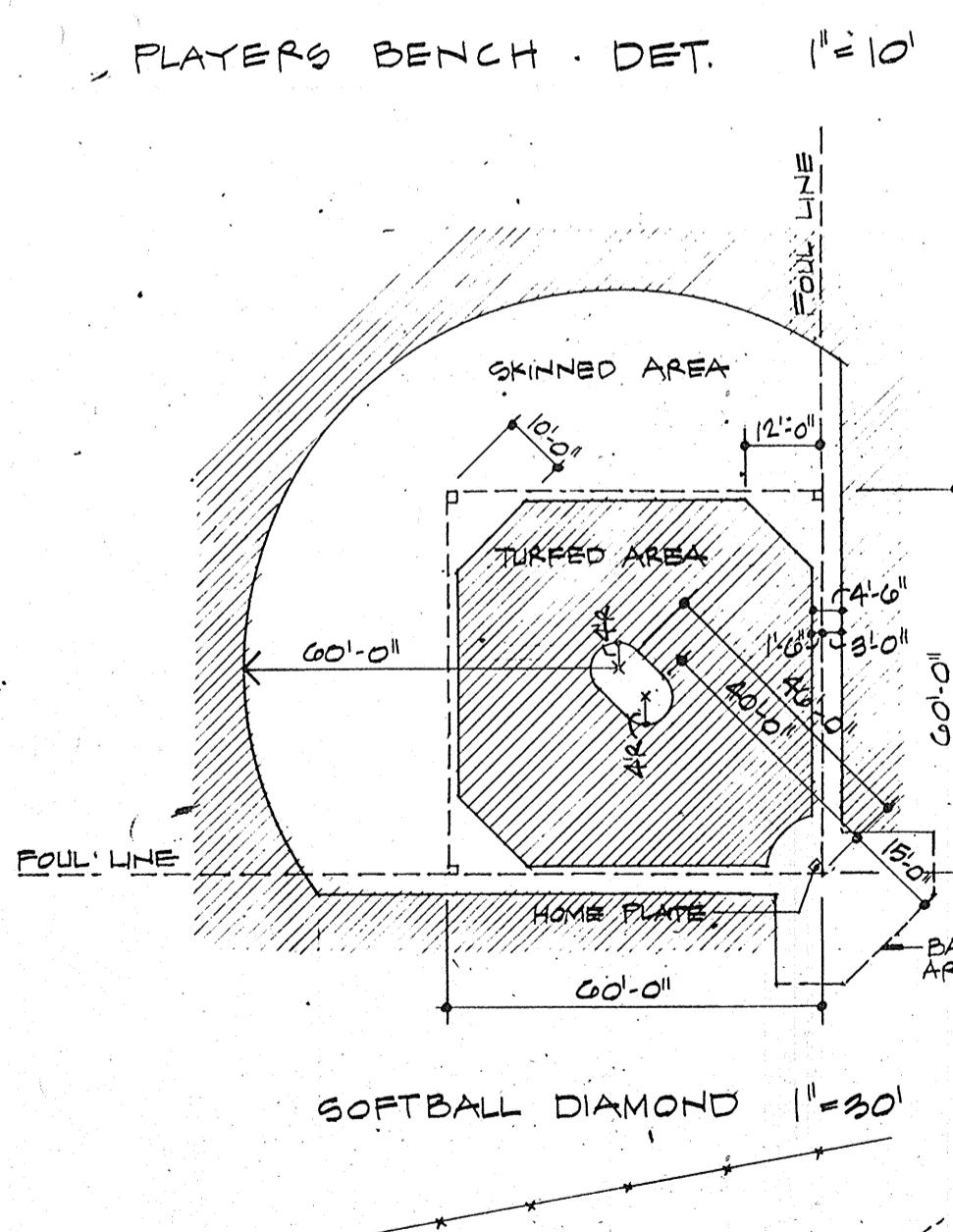
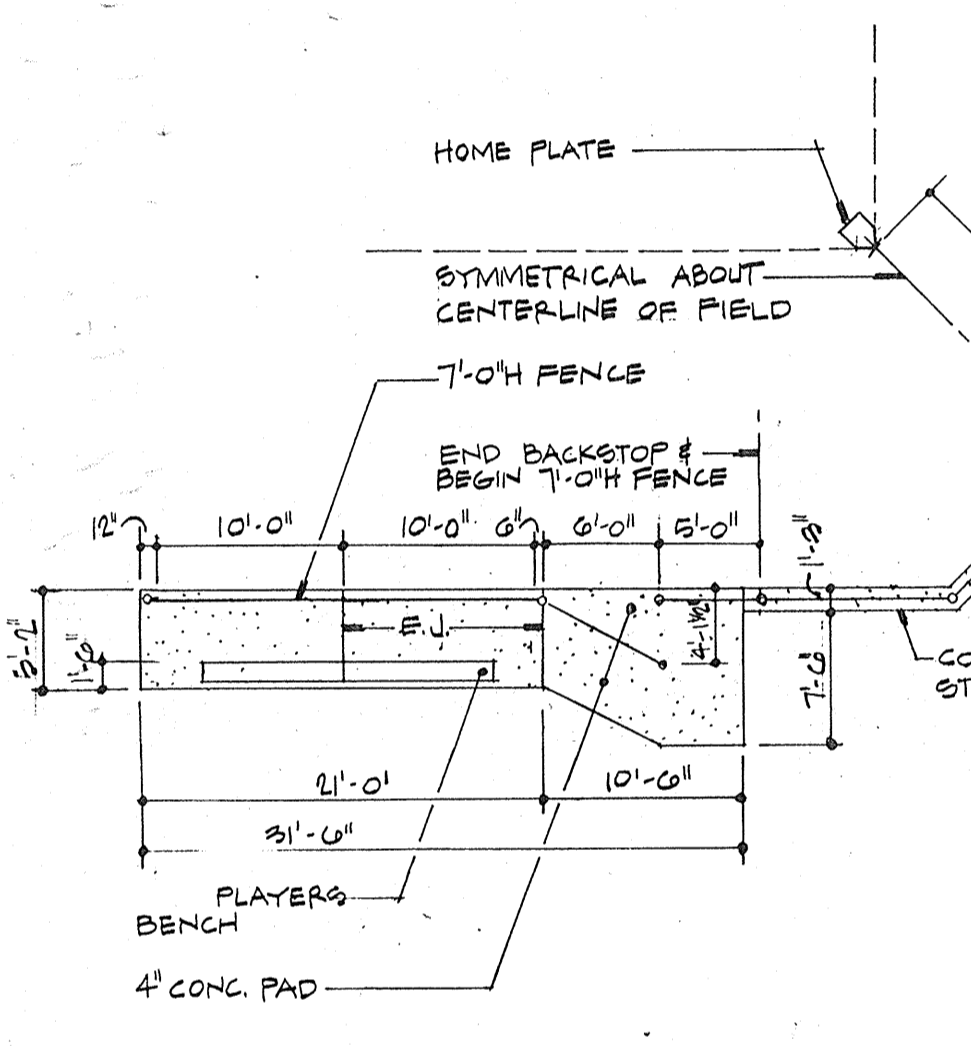
Sheet 1 of 12
 Project no.: 889

APPROVED: FOR PRIVATE WATER AND SEPTIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER *C.W.* DATE 2-14-90
 APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING
 DIRECTOR *J. L. S.* DATE 3-15-90
 CHIEF, DIVISION OF COMMUNITY
 PLANNING AND LAND DEVELOPMENT
 APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC WORKS,
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR *J. L. S.* DATE 3-1-90
 CHIEF, BUREAU OF ENGINEERING *P.S.* DATE

APPROVED:
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE 10-25-89
 LS



Vicinity Map



Courtyard Planting Plan Scale 1/8" = 1'-0"

NOTE: COURTYARD PLANTING IS NOT INCLUDED IN BASE BID. SEE ALTERNATES SECTION OF SPECIFICATIONS. ALL NON PAVED AREAS OF COURTYARD ARE TO BE SODDED IN BASE BID.

Plant List

LET	QUAN.	PLANT NAME	SIZE & CONDITION
AR	18	ACER RUBRUM 'OCTOBER GLORY'	12-14"; 2"-2 1/2" CAL.; B+B
AR	24	ACER RUBRUM 'OCTOBER GLORY'	14-16"; 3 1/2"-4" CAL.; B+B
CG	1	CAMPANULA CAROLINIANA 'AMERICAN HOBBY BEAM'	12"-14"; B+B SPECIMEN
PG	8	PRUNUS CERASIFERA 'THUNDERCLOUD'	6'-10"; B+B MATCH IN GROUPS
PY	21	PRUNUS YEDOENSIS 'YOSHINO CHERRY'	6'-10"; B+B
QP	25	QUERCUS PHellos WILLOW OAK	14-16"; 3 1/2"-4" CAL.; B+B
PS	33	PINUS STROBUS WHITE PINE	6'-8"; B+B
PS	71	PINUS STROBUS WHITE PINE	5'-6"; B+B
CD	125	COTONEASTER DAMMERI 'CORAL BEAUTY'	18"-24"; CONTAINER
EP	63	EUONYMUS PATENS 'MANHATTAN'	24"-30"; B+B
FS	33	FOXYTHIA SUSPENSIS WEeping FOXYTHIA	24"-30"; B+B
IGG	48	ILEX CORNATA 'CHEROKEE'	24"-30"; B+B
IGH	29	ILEX CORNATA 'HETZI'	24"-30"; B+B
JS	182	JUNIPERUS CHINENSIS 'SARGENTI'	10"-24"; APPROXIMATE
ND	8	NANDINA DOMESTICA 'HEAVENLY BAMBOO'	10"-24"; CONTAINER FULL AND HEAVY
VM	150	VINCA MINOR PEARL PINNACLE	2 1/4" PEAT POTS 6" O.C.

Planting Notes:
 1. All plant material shall be full and heavy and conform to A.A.H. specifications. Trees shall be marked in green.
 2. All areas disturbed in construction not receiving paving or plant material shall be seeded or sodded as shown with special seed mix.
 3. All existing trees shall be protected during construction. UNLESS NOT INDICATED TO BE SAVED
 4. Plant quantities are provided for contractor's convenience. If discrepancies exist between the Plan and the Plant List, the quantities shown on the Plan take precedence.
 5. Any proposed substitutions shall be made prior to bidding.
 6. Project will be inspected by landscape architect.
 7. This Plan to be used for planting only.
 8. Verify locations of underground utilities before planting.

No.	Revision	Date	By
A	Added full day kindergarten addition, paved play area, concrete sidewalks & resurfaced 2 landscaping trees	5/12/09	F.C.O.
B	Revised handicap access to proposed addition & play area	7/26/09	F.C.O.

Western Elementary School
 Village of River Hill
 SECTION 1, AREA 1, LOT 1, PARCEL B9
 OWNER:
 Howard County Board of Education
 10910 Route 108
 Ellicott City, Maryland 21043

Scale: 1" = 50'
 Date: 26 JUNE 89
 1ST SUBMITTAL: 11 SEPT 89
 FINAL SUBMITTAL: 15 DEC 89

Sheet 2 of 12
 project no.: 8810

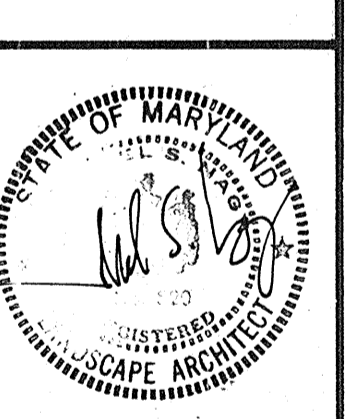
THIS PLAN TO BE USED FOR INSTALLATION OF PLANT MATERIAL ONLY

WP-89-108

SDP-89-278

Western Elementary School
Howard County, Maryland
 Howard County Public School System

KILDIFF MAGY - LANDSCAPE ARCHITECTS
 10726 Baltimore Avenue
 Beltsville, MD 20705
 (301) 595-4955



Thomas Clark Associates Architects
 9658 Baltimore Boulevard Suite 300
 College Park, Maryland 20740
 (301) 345-9400

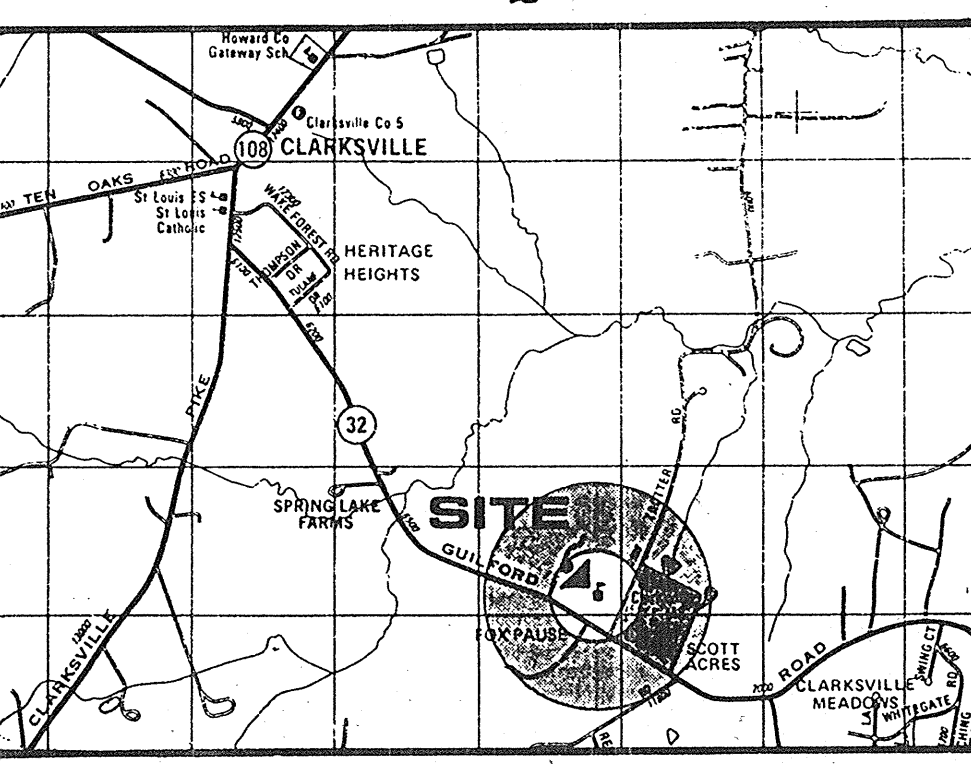
tca
 Thomas Clark Associates Architects
 9658 Baltimore Boulevard Suite 300
 College Park, Maryland 20740
 (301) 345-9400

APPROVED: FOR PRIVATE WATER AND SEPTIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER C.W. DATE 2-14-90

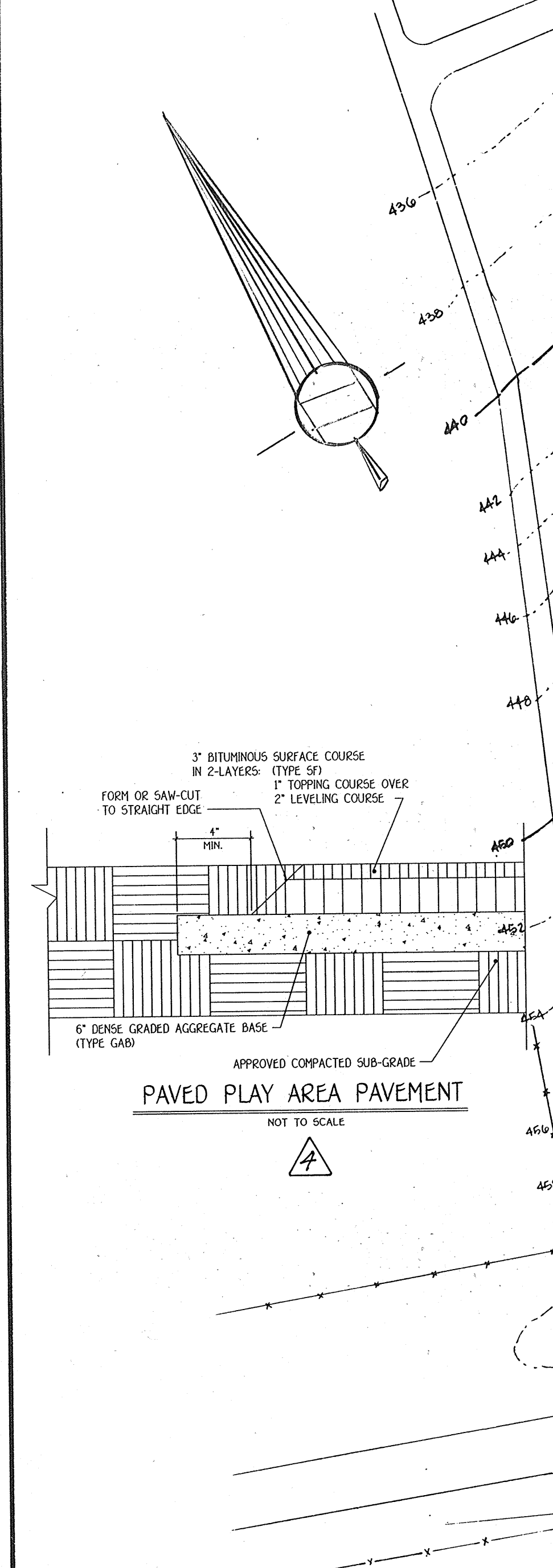
APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING
 DATE 3-15-90
 DIRECTOR
 CHIEF, DIVISION OF COMMUNITY
 PLANNING AND LAND DEVELOPMENT

APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS,
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DATE 10-25-89

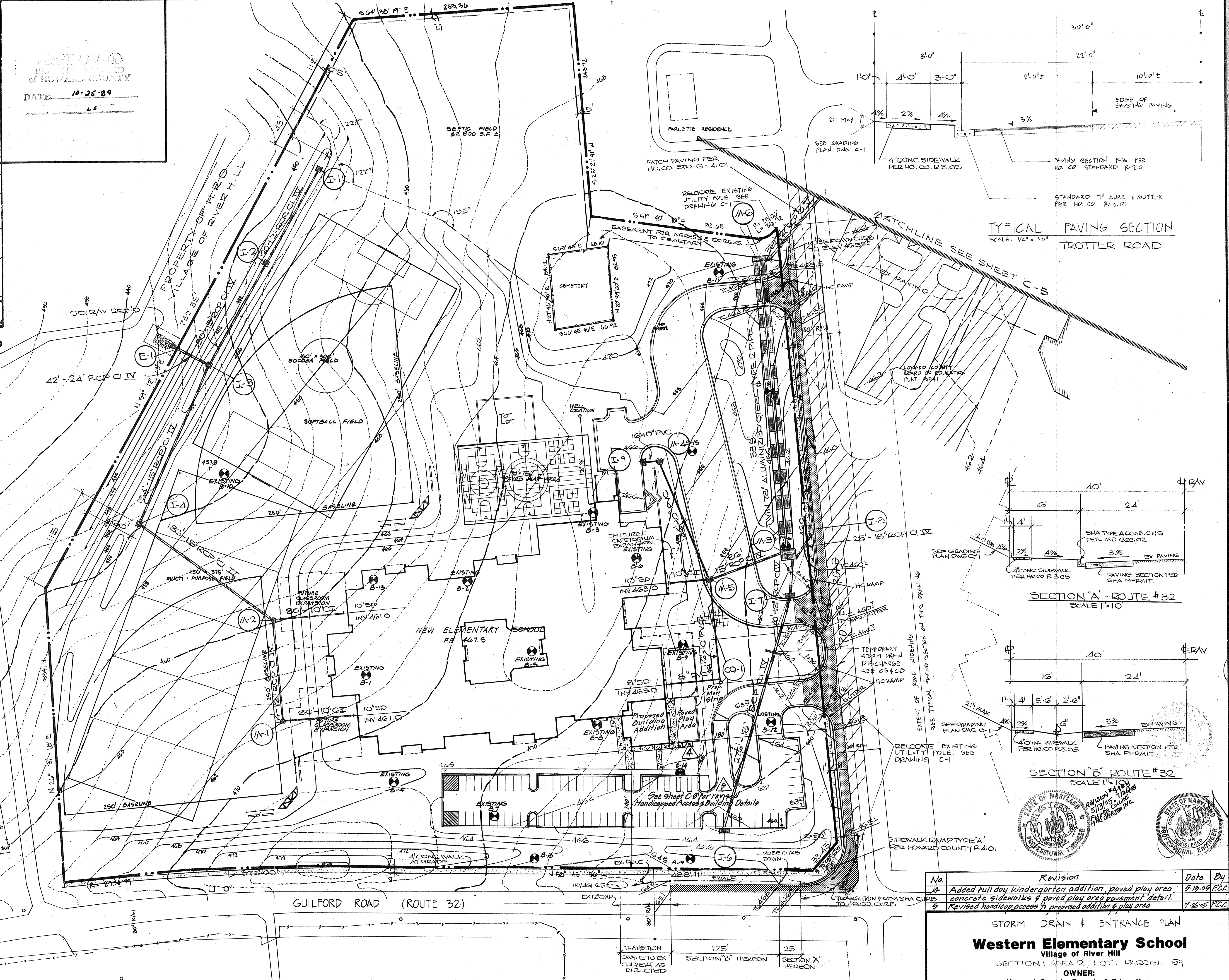
James J. Law 3/1/90
 DIRECTOR DATE
 CHIEF, BUREAU OF ENGINEERING



Vicinity Map



PAVED PLAY AREA PAVEMENT
 NOT TO SCALE



TYPICAL PAVING SECTION
 SCALE: 1/4" = 1'-0"
 TROTTER ROAD

SECTION 'A' - ROUTE #32
 SCALE: 1" = 10'

SECTION 'B' - ROUTE #32
 SCALE: 1" = 10'

No.	Revision	Date	By
1	Added full day kindergarten addition, paved play area concrete sidewalks & paved play area pavement detail.	5-19-89	FCC
2	Revised handicap access to proposed addition & play area	7-26-89	FCC

STORM DRAIN & ENTRANCE PLAN
Western Elementary School
 Village of River Hill
 SECTION 1 AREA 2, LOT 1 PARCEL 59
 OWNER:
 Howard County Board of Education
 10910 Route 108
 Ellicott City, Maryland 21043

THIS PLAN TO BE USED FOR SITE UTILITY, ROADWAY IMPROVEMENTS AND ENTRANCE CONSTRUCTION ONLY

Western Elementary School
Howard County, Maryland
 Howard County Public School System

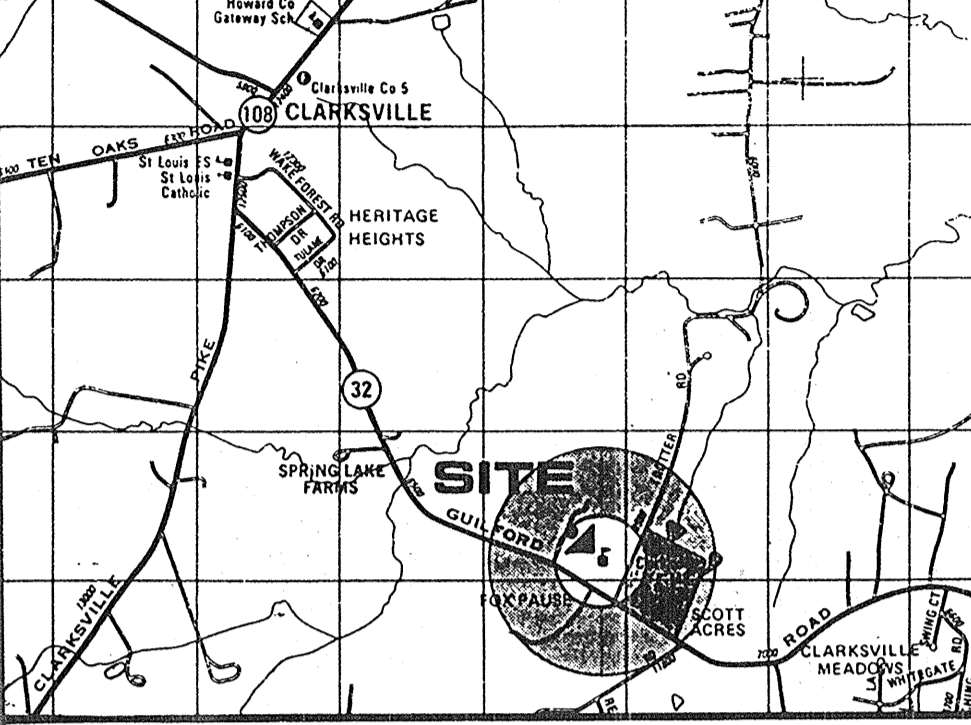
SEYBOLT, GORE, NEWQUIST & BERLINSKY
 CIVIL ENGINEERS & LAND SURVEYORS
 KENNESAW, MARYLAND 20885
 (301) 546-0000

tca
 Thomas Clark Associates Architects
 9558 Baltimore Boulevard Suite 300
 College Park, Maryland 20740
 (301) 345-9400

Scale: 1" = 50'
 Date: 26 JUNE 89
 2ND SUBMITTAL: 12 SEPT 89
 FINAL SUBMITTAL: 15 DEC 89
 Sheet 4 of 4
 project no.: 2310

APPROVED: FOR PRIVATE WATER AND SEPTIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER: *[Signature]* DATE: 2-14-90
APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING
DIRECTOR: *[Signature]* DATE: 3-15-90
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT
APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS,
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR: *[Signature]* DATE: 3/1/90
CHIEF, BUREAU OF ENGINEERING: *[Signature]* DATE: 3-1-90

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE: 10-25-89



TRAP NO. 1
RIP-RAP OUTLET SEDIMENT TRAP PER STANDARD VI

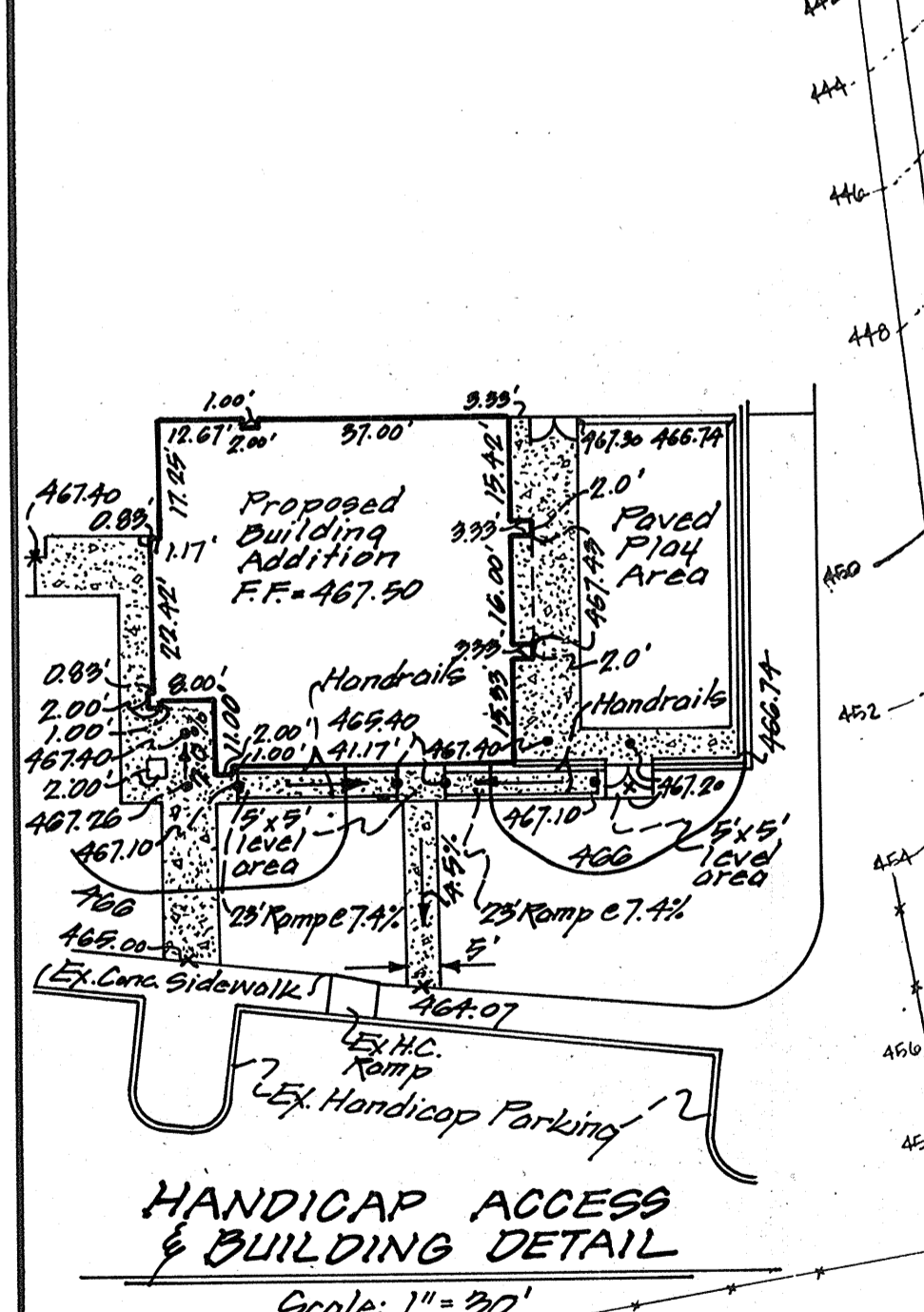
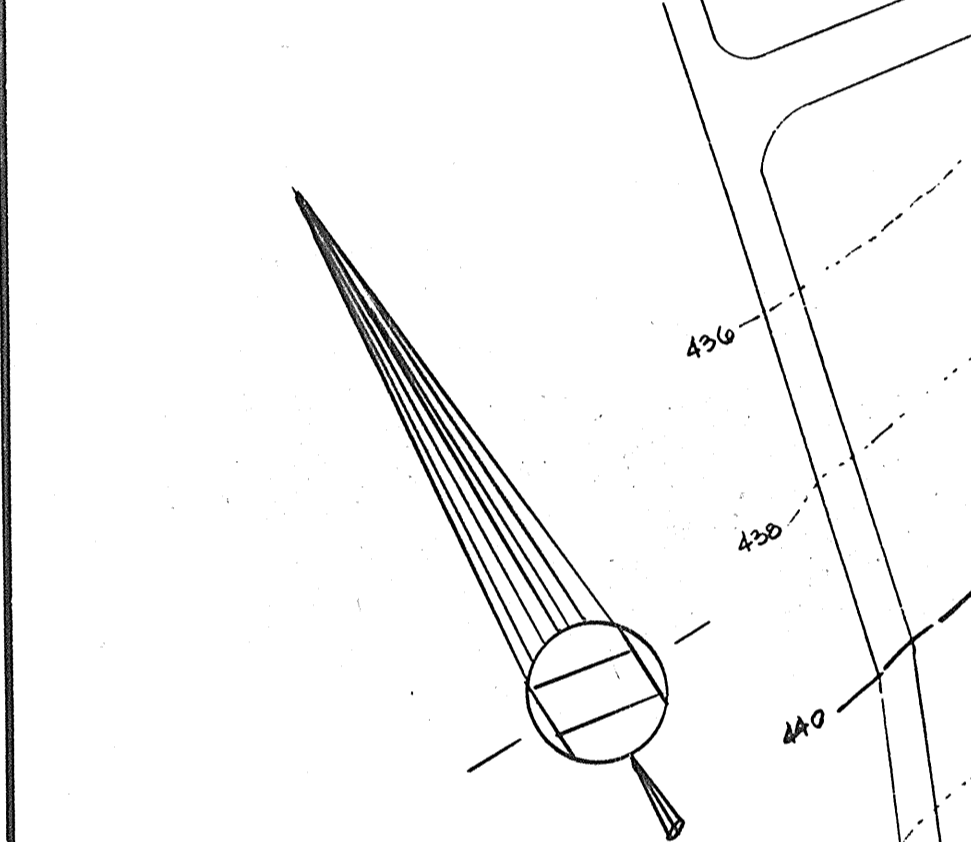
MAXIMUM DRAINAGE AREA	= 8.9 AC
REQUIRED VOLUME	= 16,020 FT ³
PROVIDED VOLUME	= 20,000 FT ³
DESIGN DEPTH	= 4'
BOTTOM ELEVATION	= 443.0
WEIR ELEVATION	= 443.0
WEIR LENGTH	= 10'
CLEANOUT ELEVATION	= 445.4
TOP ELEVATION	= 452.0
BOTTOM DIMENSIONS	= 40' x 100'
SIDE SLOPES	= 2:1

SEDIMENT CONTROL NOTES

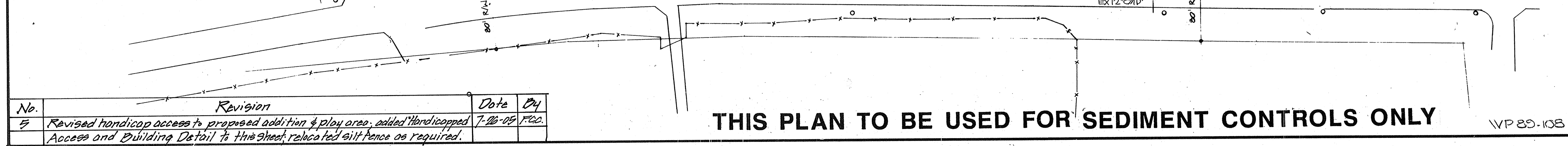
- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (992-2437)
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within: a) 7-calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14-days as to all other disturbed or graded areas on the project.
- 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.
- All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 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.
- 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	15.4 Acres
Total Disturbed Area	14.0 Acres
Area to be Roofed or Paved	3.7 Acres
Area to be Vegetatively Stabilized	11.3 Acres
Total Cut	SEE GRADING PLAN, Yds.
Total Fill	SEE GRADING PLAN, Yds.
Off Site 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 Department of Public Works 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.
- All pipes to be blocked at the end of each day (see detail below).
- The total amount of straw bale dikes/silt fence equals 600LF.

Vicinity Map



No.	Revision	Date	By
1	Revised handicap access to proposed addition & play area; added handrails	7-26-89	REC.
2	Access and Building Detail to this sheet; relocated silt fence as required.		



TRAP NO. 2 - STONE OUTLET SEDIMENT TRAP PER STANDARD V

MAXIMUM DRAINAGE AREA	= 4.7 AC
REQUIRED VOLUME	= 8,460 FT ³
PROVIDED VOLUME	= 10,470 FT ³
DESIGN DEPTH	= 3'
BOTTOM ELEVATION	= 435.0
WEIR ELEVATION	= 435.0
WEIR LENGTH	= 20'
CLEANOUT ELEVATION	= 457.0
TOP ELEVATION	= 460.0
BOTTOM DIMENSIONS	= 20' x 35'
SIDE SLOPES	= 2:1 MAX

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
Approved: *[Signature]* Date: 10/25/89
Howard S.C.D.

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 erosion and sediment control and that all 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/We also authorize periodic inspection by the Howard Soil Conservation District or their authorized agents as are deemed necessary."

Cathleen Conley Young
Cathleen Conley Young
Signature of Developer/Builder
CATHLEEN CONLEY YOUNG
HOWARD CO. PUBLIC SCHOOLS
Date: 12/26/89

ENGINEER'S CERTIFICATE

I hereby 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.

Gordon L. Berlinsky
Gordon L. Berlinsky, P.E.
Date: 12/26/89

Reviewed for: NO WAP S.C.D.
Name: *[Signature]*
Signature: *[Signature]* Date: 12/26/89
U.S. Soil Conservation Service

No.	Revision	Date	By
1	Added full day kindergarten addition, paved play area, concrete sidewalks & silt fence.	5-13-89	REC.

SEDIMENT & EROSION CONTROL PLAN
Western Elementary School
Village of River Hill
SECTION 1 AREA 2, LOT 1 PARCEL 59
OWNER:
Howard County Board of Education
10910 Route 108
Ellicott City, Maryland 21043

Western Elementary School
Howard County, Maryland
Howard County Public School System

SEYBOLT, CORE, NEWQUIST & BERLINSKY
CIVIL ENGINEERS AND ARCHITECTS
KENSINGTON, MARYLAND 20885
(301) 345-9400

tca
Thomas Clark Associates Architects
9658 Baltimore Boulevard Suite 300
College Park, Maryland 20740
(301) 345-9400

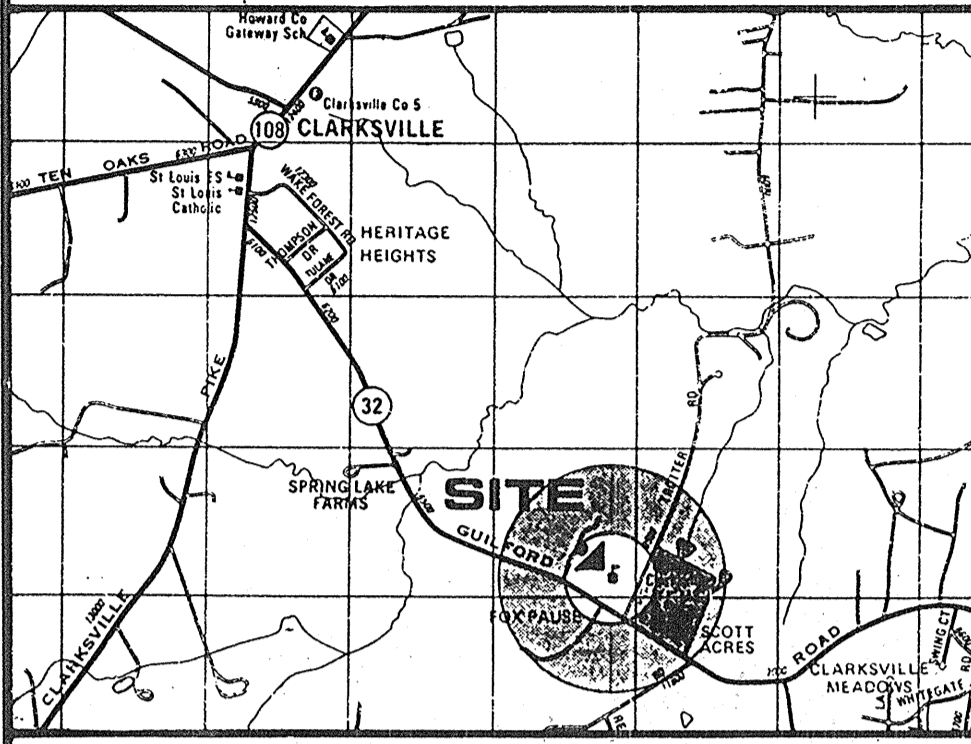
Scale: 1" = 50'
Date: 26 JUNE 89
2ND SUBMITTAL: 12 SEPT 89
FINAL SUBMITTAL: 15 DEC 89
Sheet 5 of 11
Project no.: 8810

THIS PLAN TO BE USED FOR SEDIMENT CONTROLS ONLY

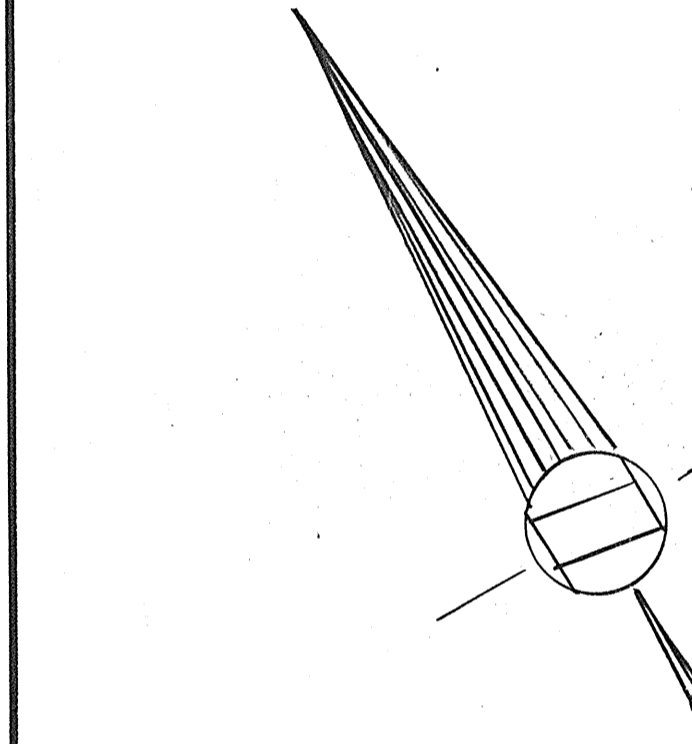
WP 89-108

APPROVED: FOR PRIVATE WATER AND SEPTIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER *J. W. ...* DATE 2-14-90
 APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING
 DIRECTOR *...* DATE 3-15-90
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT
 DATE 2/6/90
 APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS,
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR *...* DATE 2/1/90
 CHIEF, BUREAU OF ENGINEERING *...* DATE 3-1-90

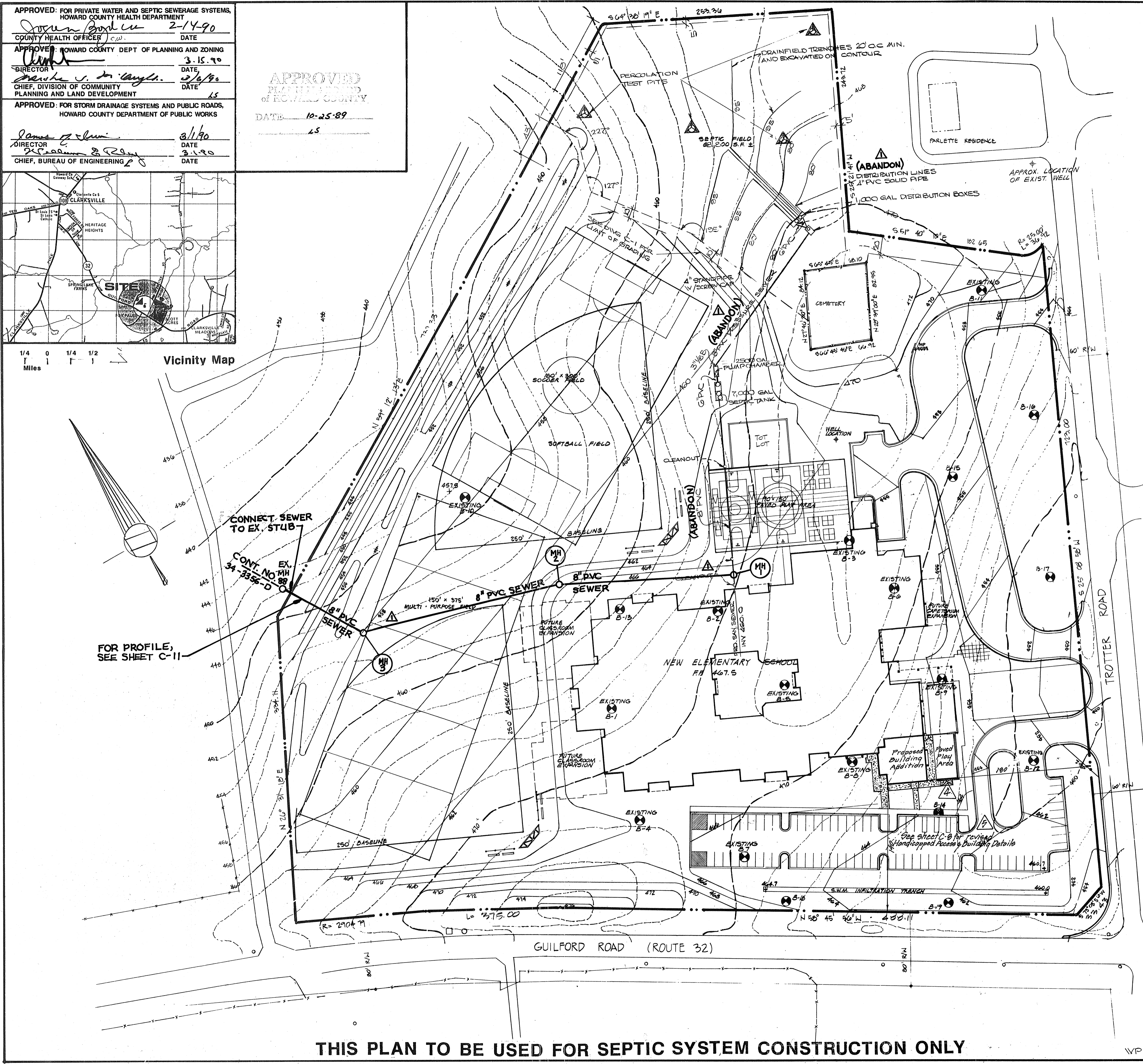
APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE 10-25-89



1/4 0 1/4 1/2
 Miles



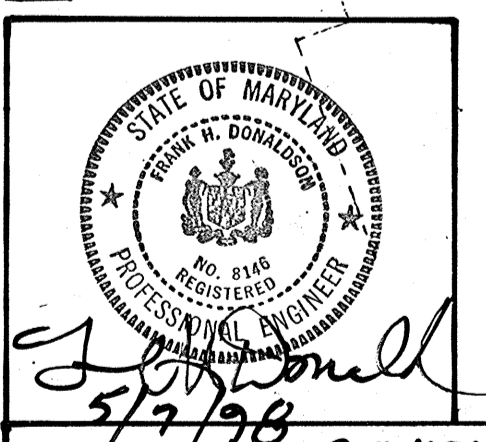
FOR PROFILE, SEE SHEET C-11



GENERAL NOTES
 POPULATION 576 PUPILS
 34 STAFF
 TOTAL = 610
 DESIGN FLOW (5.25 GPM/GIO)(1.25 PEAK) = 4000 GPD
 MAXIMUM SEWAGE DISPOSAL ALLOCATION = 4000 GPD
 TANK CAPACITY REQUIRED $V = 1.25 + 0.75 Q = 4125 \text{ GAL.}$
 TANK CAPACITY PROVIDED 7000 GAL.
 DISTRIBUTION BOXES (3) 1,000 GAL. EA.
 PUMP CHAMBER 2,500 GAL.
 LINEAL FEET OF INITIAL SYSTEM/TRENCH 750 LF.
 SCHOOL KITCHEN IS WARMING KITCHEN ONLY

SEPTIC TANK, PUMP CHAMBER & DISTRIBUTION BOXES
 1. CONCRETE SHALL BE 4,000 PSI @ 28 DAYS
 2. REINFORCEMENT SHALL BE (6" x 6") #10 GAUGE WIRE MESH
 W/ #3 REINFORCEMENT RODS ON 6" CENTERS IN THE TOPS
 AND #3 REINFORCEMENT RODS 12" ON CENTER IN THE SIDES
 AND BOTTOM
 3. DISTRIBUTION BOXES SHALL BE WATER ADJUSTED
 4. IF TANK MANUFACTURER'S DIMENSIONS OR SPECIFICATIONS
 ARE DIFFERENT THAN THOSE SHOWN ON THE PLAN, THE
 MANUFACTURER'S PLANS AND SPECIFICATIONS SHALL BE
 SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO
 SHIPPING TO THE SITE.

HOWARD COUNTY BOARD OF EDUCATION
 PLAT 2541
 INSTALLATION OF SEPTIC SYSTEM SHALL BE IN ACCORDANCE WITH ALL APPLICABLE
 CODES AND REGULATIONS INCLUDING APPLICABLE ELECTRICAL CODES FOR THE
 INSTALLATION OF THE PUMP.
 INSTALLER OF SEPTIC SYSTEM SHALL BE LICENSED TO PERFORM SUCH WORK IN
 HOWARD COUNTY, MD. AND SHALL HAVE BEEN ENGAGED IN THE BUSINESS OF SEPTIC
 SYSTEM INSTALLATIONS OF THE EQUIVALENT SIZE AND COMPLEXITY IN HOWARD
 COUNTY FOR AT LEAST FIVE YEARS.
 SEPTIC SYSTEM INSTALLER SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS
 BEFORE STARTING WORK AND SHALL OBTAIN ALL REQUIRED CERTIFICATES FOR
 ACCEPTANCE BY CODE AUTHORITIES AT THE CONCLUSION OF THE WORK.
 DISTURBANCE TO THE SURFACE AREA IN SEPTIC FIELD AND FINAL CONDITION
 OF SURFACE SHALL CONFORM TO REQUIREMENTS OF CODE AUTHORITIES.



REVISIONS		
DATE	NO.	DESCRIPTION
05/07/98	1	PROP. SEWER CONNECTION TO CO. SYSTEM
5-19-09	4	Added full day kindergarten addition, paved play area & concrete sidewalks by F.C.C.
7-26-09	5	Revised handicap access to proposed addition & play area by F.C.C.

SEPTIC SYSTEM PLAN
Western Elementary School
 Village of River Hill
 SECTION 1 AREA 2, LOT 1 PARCEL 59
 OWNER:
 Howard County Board of Education
 10910 Route 108
 Ellicott City, Maryland 21043

THIS PLAN TO BE USED FOR SEPTIC SYSTEM CONSTRUCTION ONLY

VP 89-108

SDP-89-278

Western Elementary School
 Howard County, Maryland
 Howard County Public School System

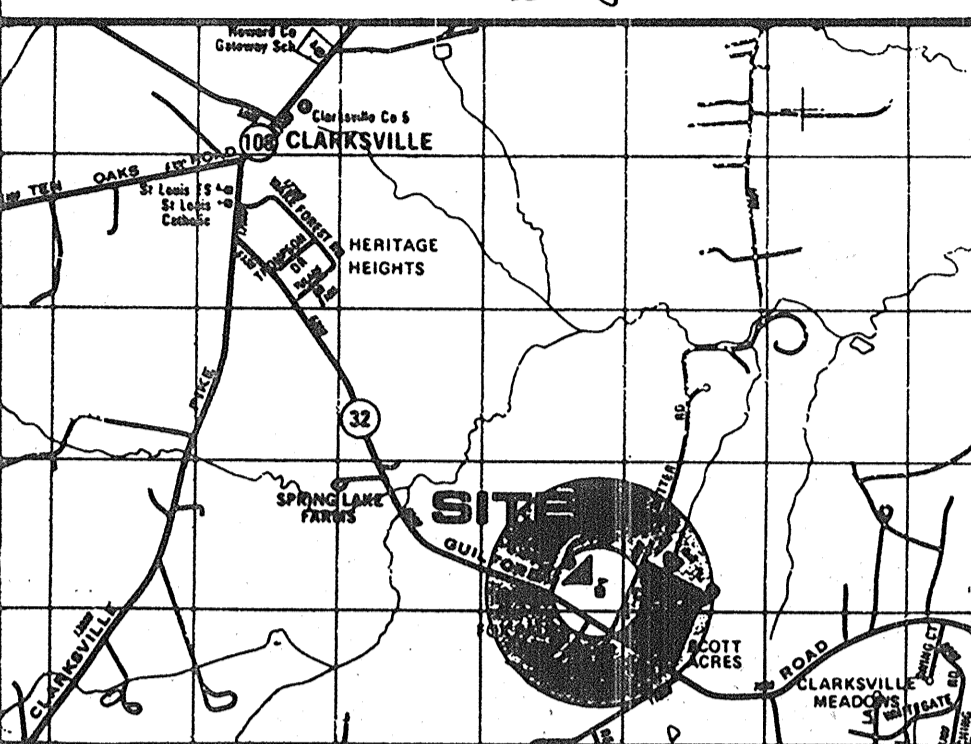
SEYBOLT, GORE, NEWQUIST & BERLINSKY
 CIVIL ENGINEERS & LAND SURVEYORS
 KENNESAW, MARYLAND 20885
 (301) 946-0000

P. Murray

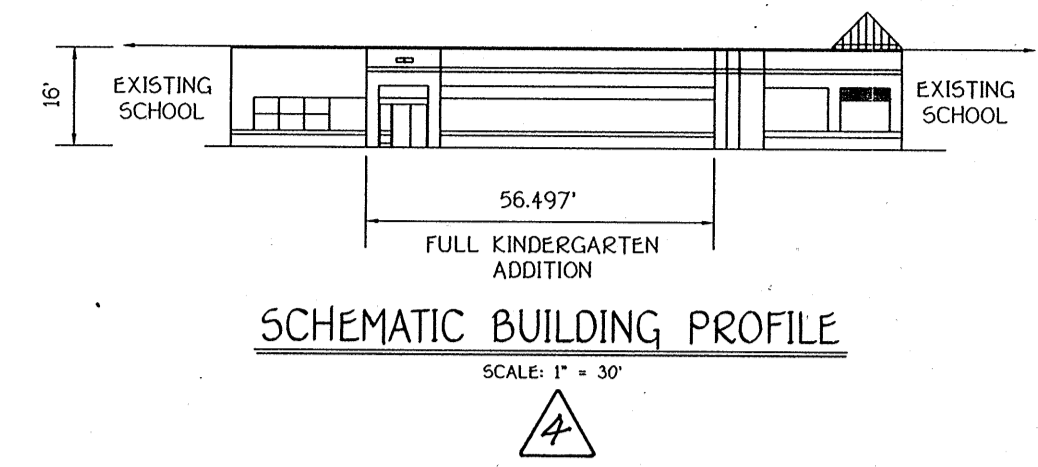
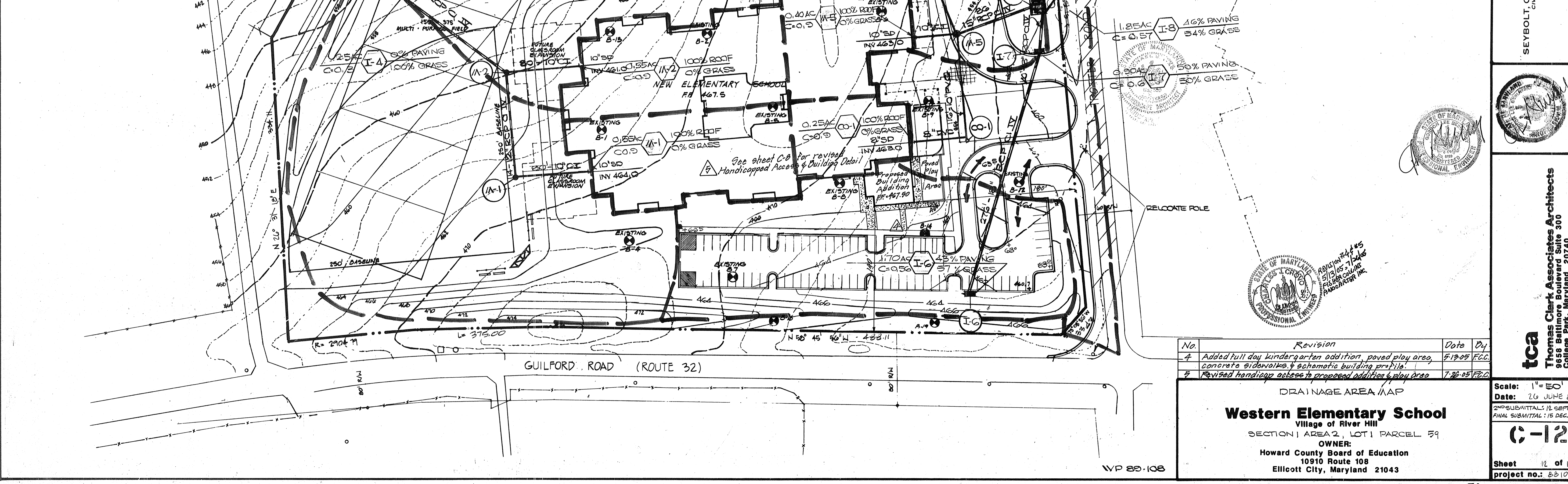
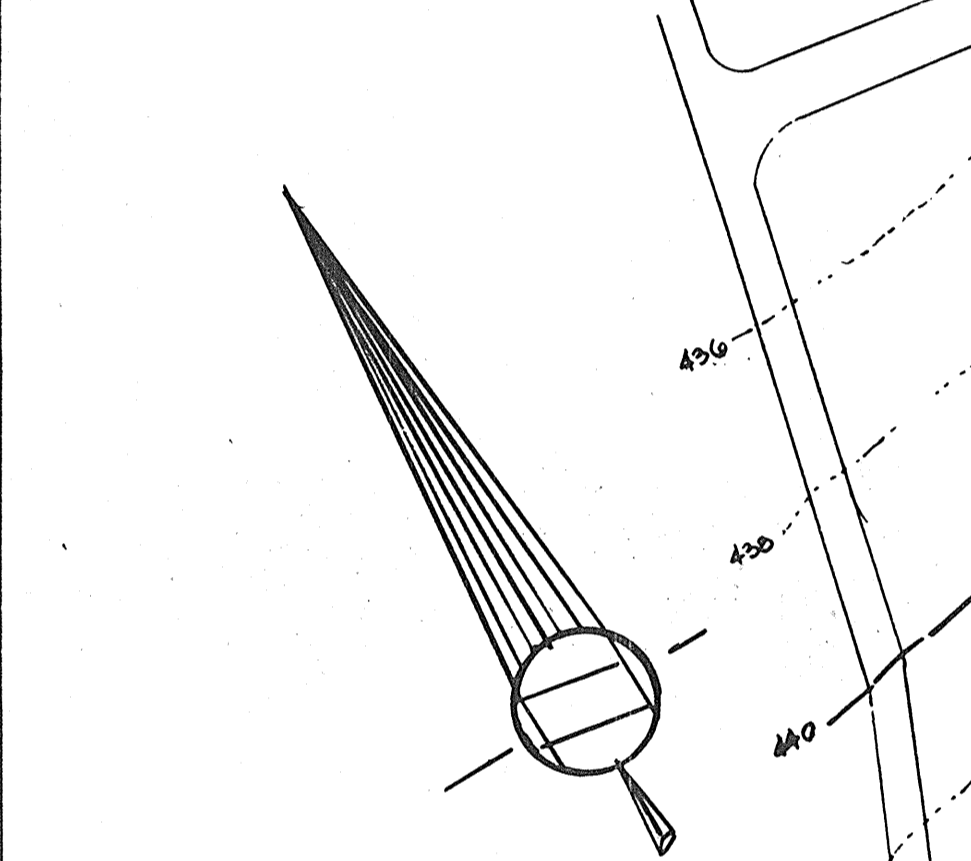
tca
 Thomas Clark Associates Architects
 9658 Baltimore Boulevard Suite 300
 College Park, Maryland 20740
 (301) 345-9400

Scale: 1" = 50'
 Date: 26 JUNE 89
 2ND SUBMITTAL: 16 SEPT 89
 FINAL SUBMITTAL: 15 DEC. 89
C-10
 Sheet 10 of 12
 project no.: 89-10

APPROVED: FOR PRIVATE WATER AND SEPTIC SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER (S.W.) DATE 2/14/90
 APPROVED: HOWARD COUNTY DEPT OF PLANNING AND ZONING
 DIRECTOR DATE 3.15.90
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE 3/16/90
 APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR DATE 3/1/90
 CHIEF, BUREAU OF ENGINEERING DATE 3.1.90



1/4 0 1/4 1/2 1
 Mile



No	Revision	Date	By
4	Added full day kindergarten addition, paved play area, concrete sidewalks, & schematic building profile.	5/19/05	FCC
5	Revised handicap access to proposed addition & play area	7/26/05	FCC

DRAINAGE AREA MAP
Western Elementary School
 Village of River Hill
 SECTION 1 AREA 2, LOT 1 PARCEL 59
 OWNER:
 Howard County Board of Education
 10910 Route 108
 Ellicott City, Maryland 21043

Western Elementary School
Howard County, Maryland
 Howard County Public School System

SEYBOLT, CORE, NEWQUIST & BERLINSKY
 CIVIL ENGINEERS AND SURVEYORS
 1330 WISCONSIN AVENUE
 KENNESAW, MARYLAND 20885
 (301) 440-0000

Thomas Clark Associates Architects
 888 Baltimore Boulevard, Suite 300
 Ellicott City, Maryland 21043
 (301) 345-9400

tca
 Thomas Clark Associates Architects
 888 Baltimore Boulevard, Suite 300
 Ellicott City, Maryland 21043
 (301) 345-9400

Scale: 1" = 50'
 Date: 26 JUNE 07
 2ND SUBMITTAL: 12 SEPT 07
 FINAL SUBMITTAL: 15 DEC 07

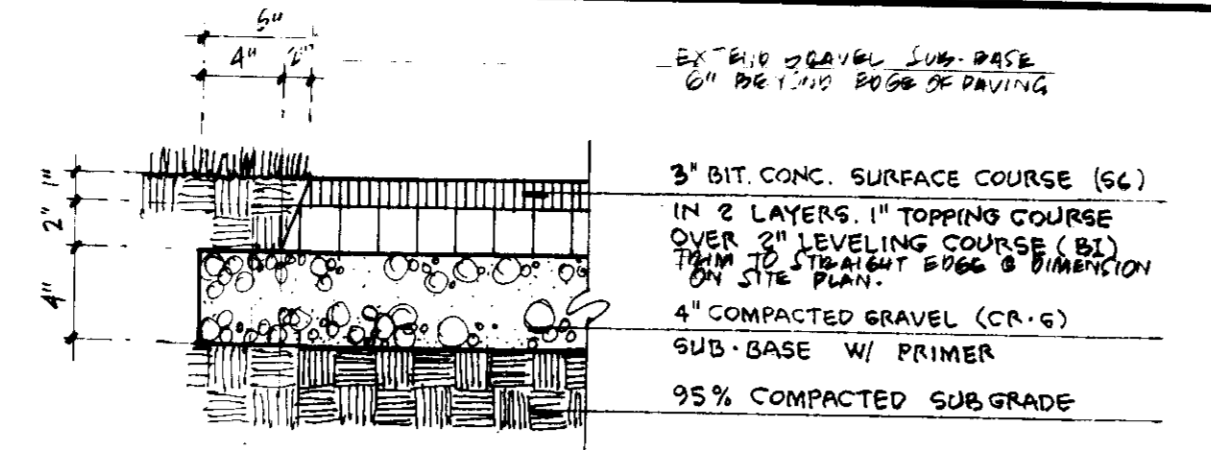
C-12

Sheet 12 of 12
 Project no.: 8810

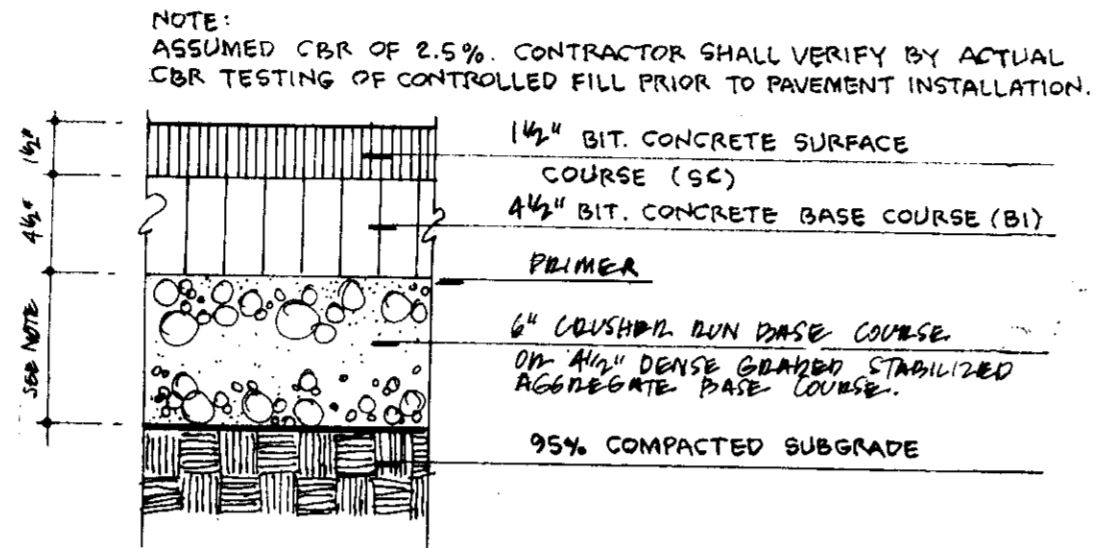
APPROVED FOR PRIVATE STORM AND SEPTIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: [Signature] DATE: 2-14-96
 APPROVED HOWARD COUNTY DEPT OF PLANNING AND ZONING
 DIRECTOR: [Signature] DATE: 3-15-90
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT
 DATE: 3-15-90
 APPROVED FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS,
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DATE: 10-25-89
 L.S.
 DIRECTOR: [Signature] DATE: 3/1/90
 CHIEF, BUREAU OF ENGINEERING

General Notes

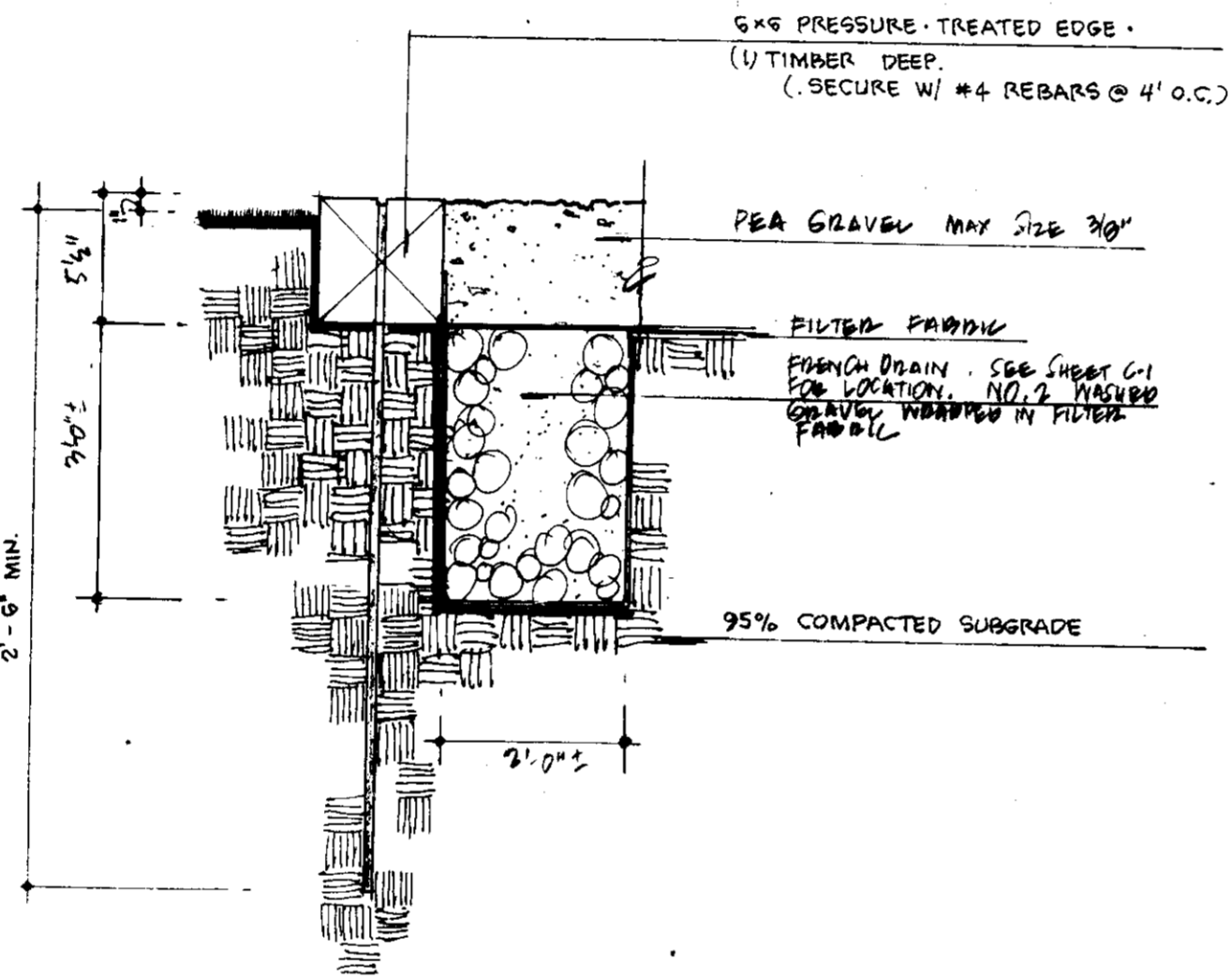
- All materials and construction to be in accordance with Howard County Road Construction Code and Specifications.
- Coordinates are based on the Maryland State Plane Coordinate System as projected by Howard County Monuments.
- All driveways and parking to be owned and maintained by Howard County Board of Education.
- Any damage to County owned rights-of-way to be corrected at the Contractor's expense.
- The area shown is located on Tax Map 35; part of Parcel 59.
- The Contractor or Developer shall contact the Construction Inspection/Survey Division 24 hours in advance of work, at 992-2417 or 792-7272.
- Handicap Parking Details shall be in accordance with the Maryland Building Code for the Handicapped, Code of Maryland Regulations 05.01.07.06 and details on this sheet.
- Contractor shall confirm the provided existing topographic information prior to proceeding with grading.
- Existing zoning is N-T.
- Total area of site: 15.4 acres.
- All curb and gutter on-site shall be 6" combination curb and gutter, unless otherwise noted.



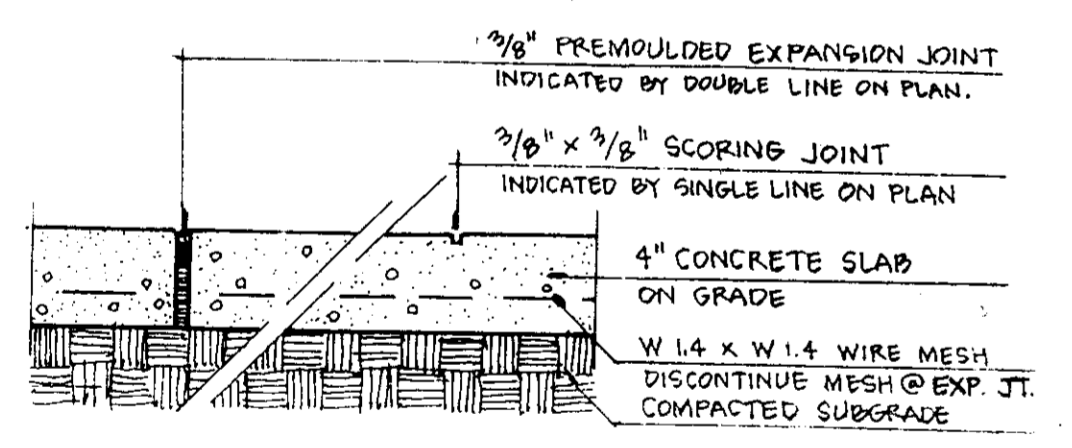
Play Area Paving
 SCALE 1/2" = 1'-0"



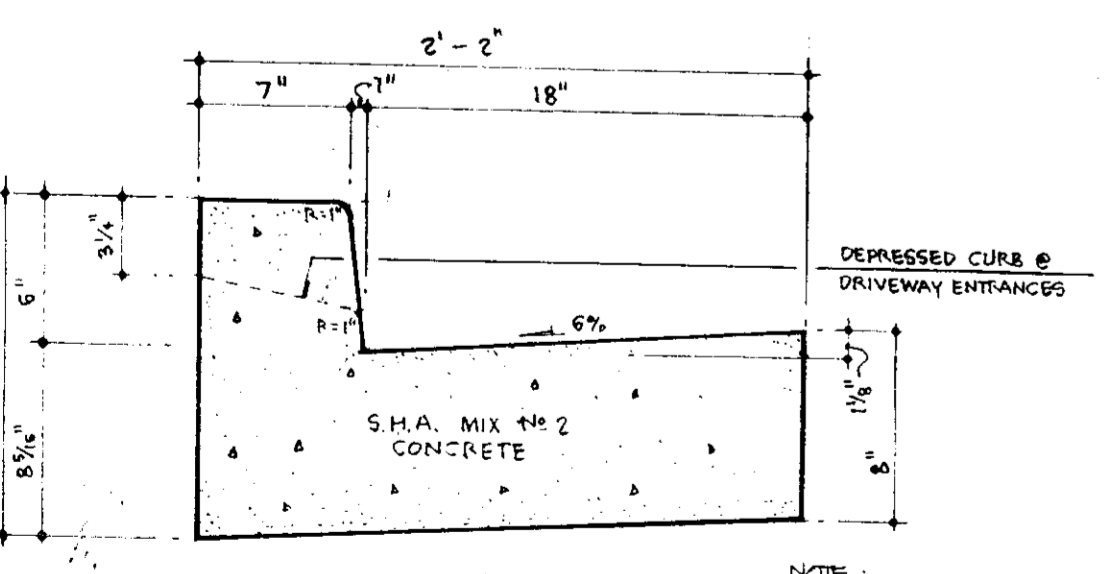
Asphalt Paving Detail
 HOWARD CO. D.P.W. STANDARD # P.3 SCALE 1/2" = 1'-0"



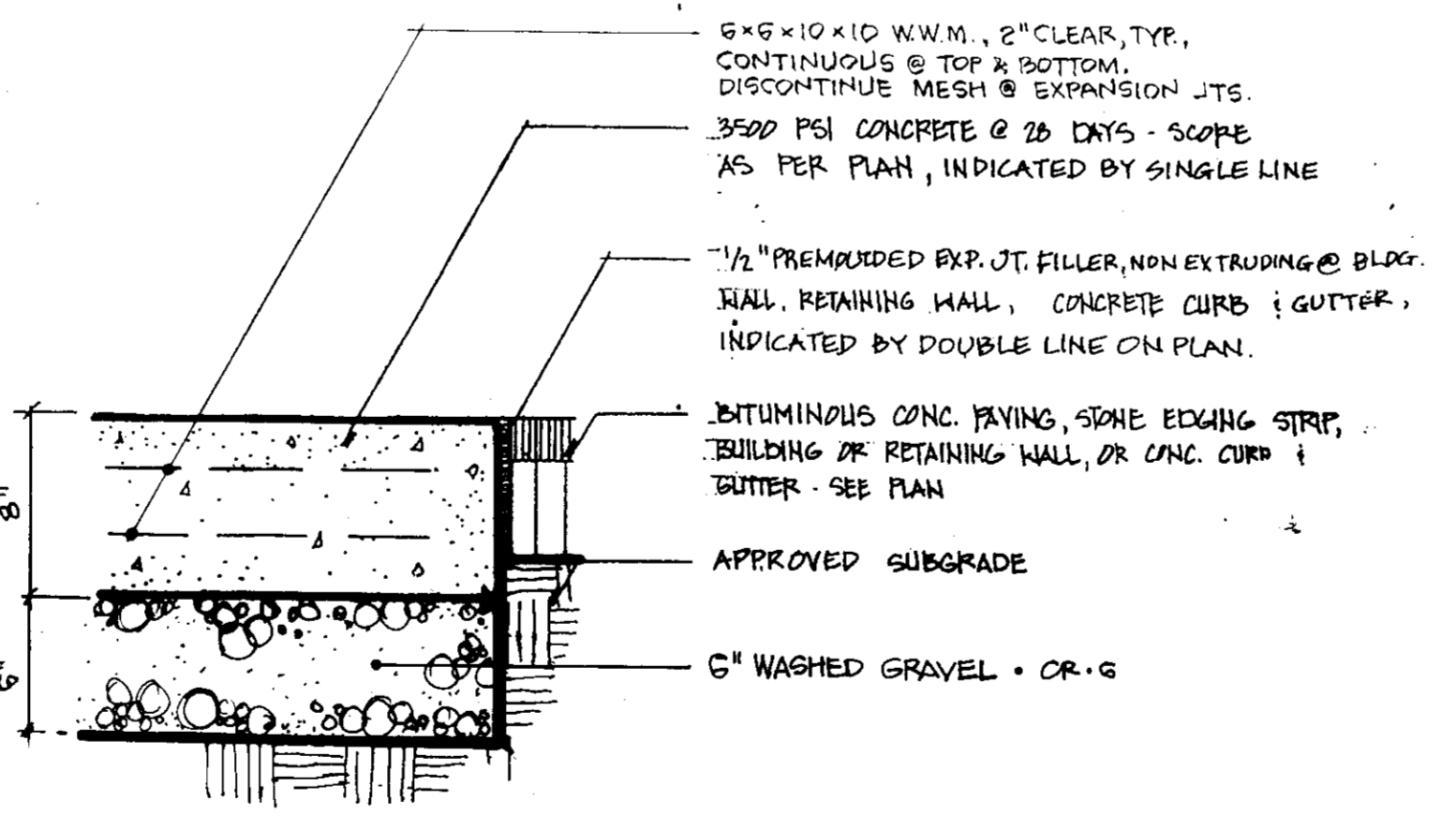
Section through Timber Edge @ Tot Lot
 SCALE 1/2" = 1'-0"



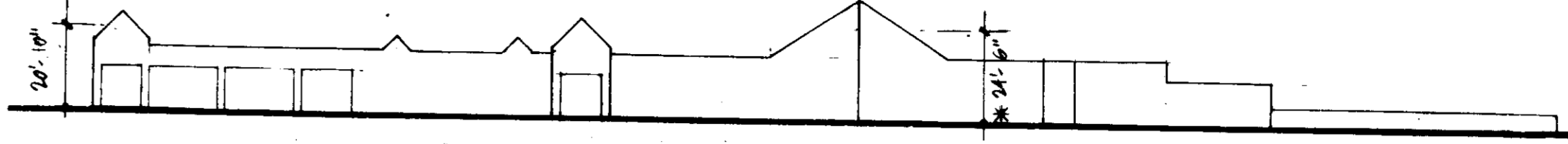
Concrete Walk Detail
 SCALE 1/2" = 1'-0"



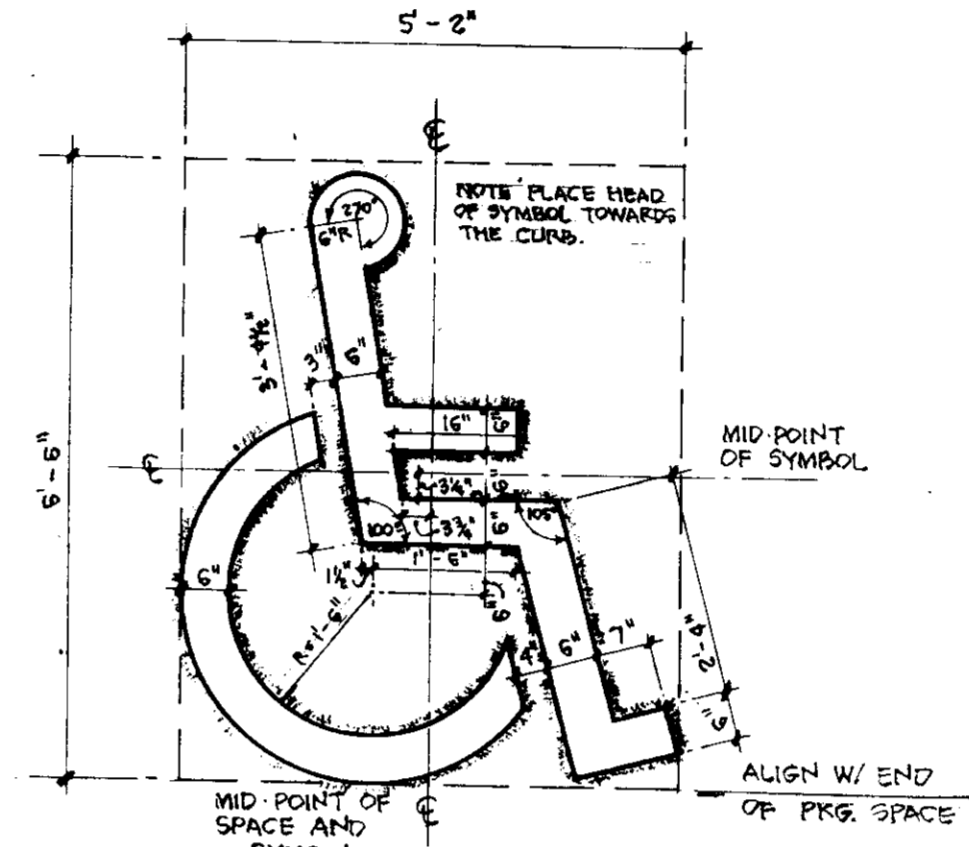
Concrete Curb and Gutter
 SCALE 1/2" = 1'-0"



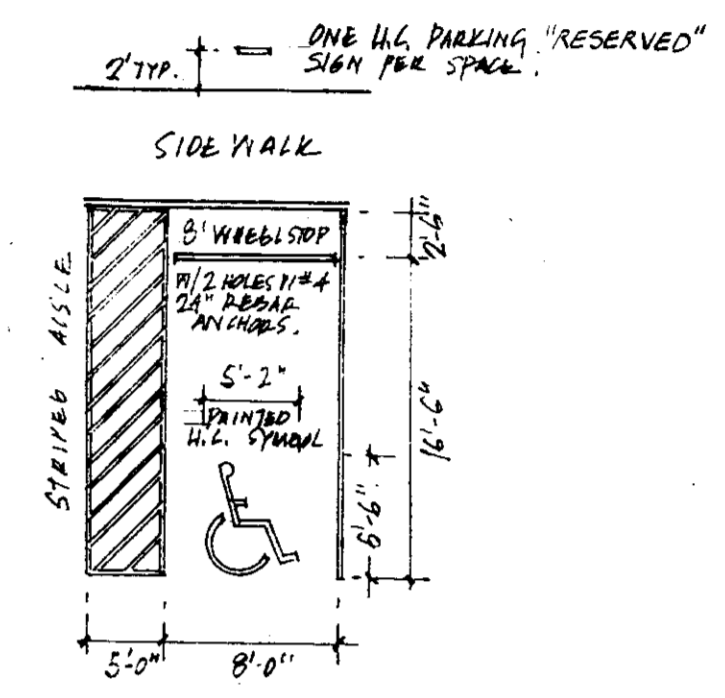
Heavy Duty Concrete Paving
 SCALE 1/2" = 1'-0"



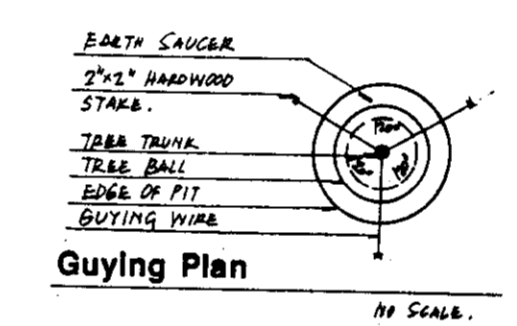
Typical Building Height East Elevation
 * BUILDING HEIGHT AS PER HOWARD COUNTY ZONING REGULATIONS, SECTION 10A DEFINITIONS ITEM 10, PAGE 10.



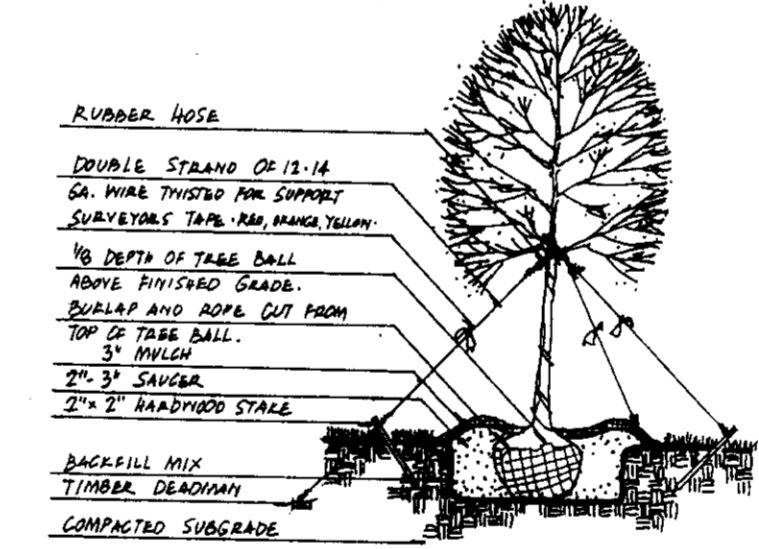
Handicapped Stencil Layout
 SCALE 1/2" = 1'-0"



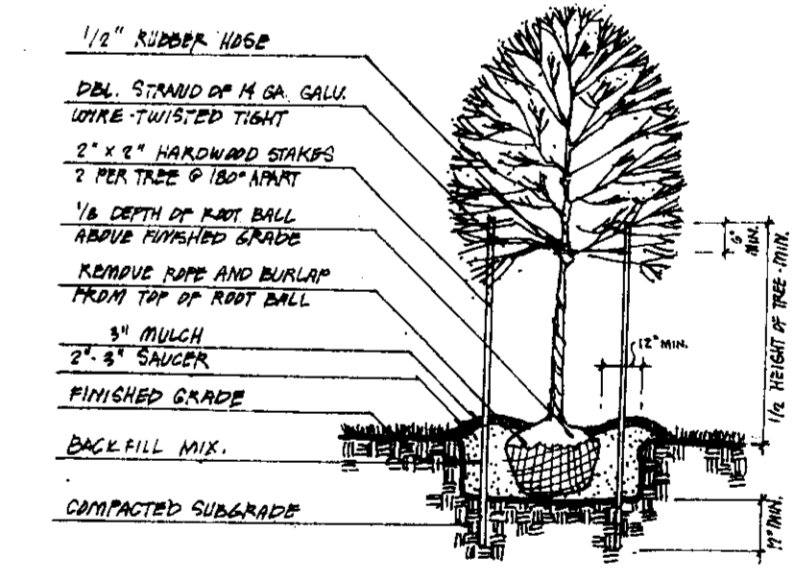
Handicapped Space Layout
 SCALE 1" = 10'



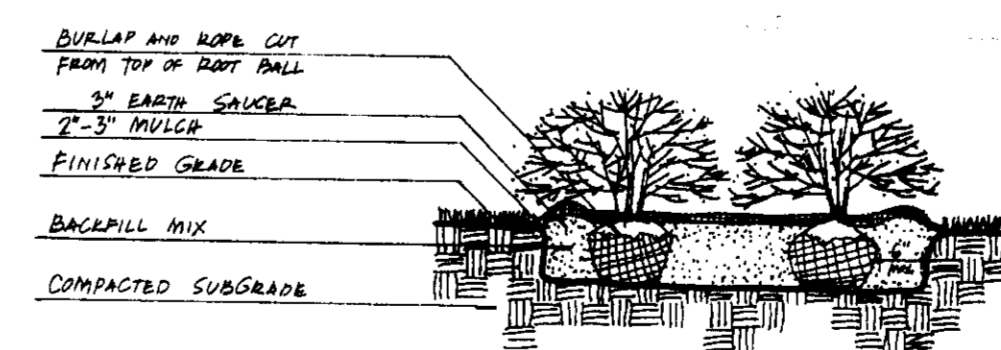
Guying Plan
 NO SCALE



Tree Guying Detail
 NO SCALE



Tree Staking Detail
 NO SCALE



Shrub Planting Detail
 NO SCALE

Western Elementary School
 Village of River Hill
 SECTION 1, AREA 2, LOT 1, PARCEL 59
 OWNER:
 Howard County Board of Education
 10910 Route 108
 Ellicott City, Maryland 21043

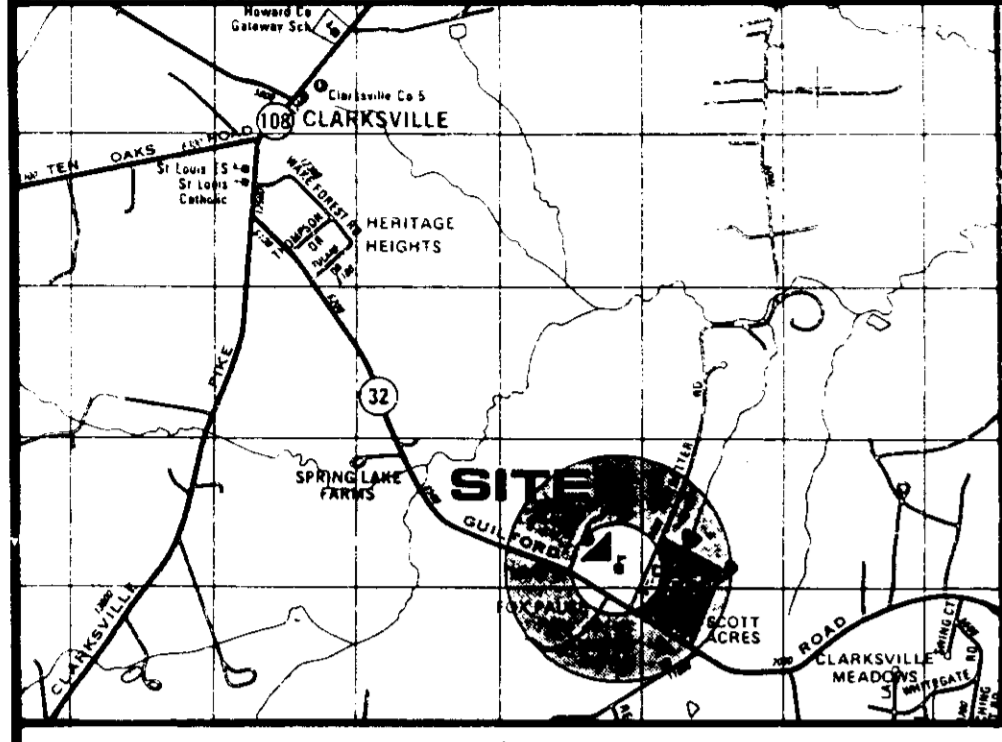
WP-89-108

KILDUFF NAGY-LANDSCAPE ARCHITECTS
 10726 Baltimore Avenue, Beltsville, MD 20705
 (301) 595-4955
 Land Planning - Landscape Architecture - Park and Recreation Planning

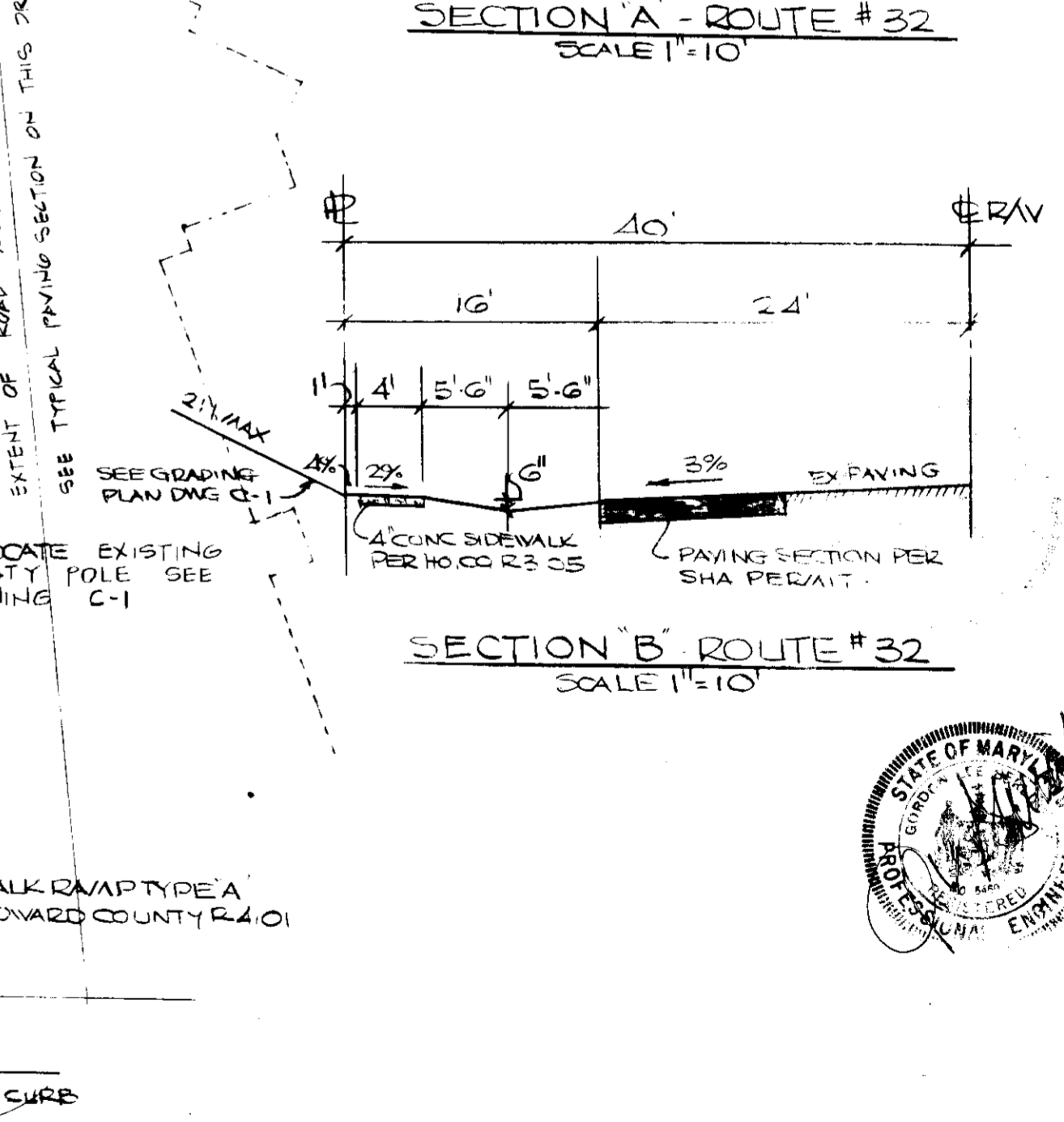
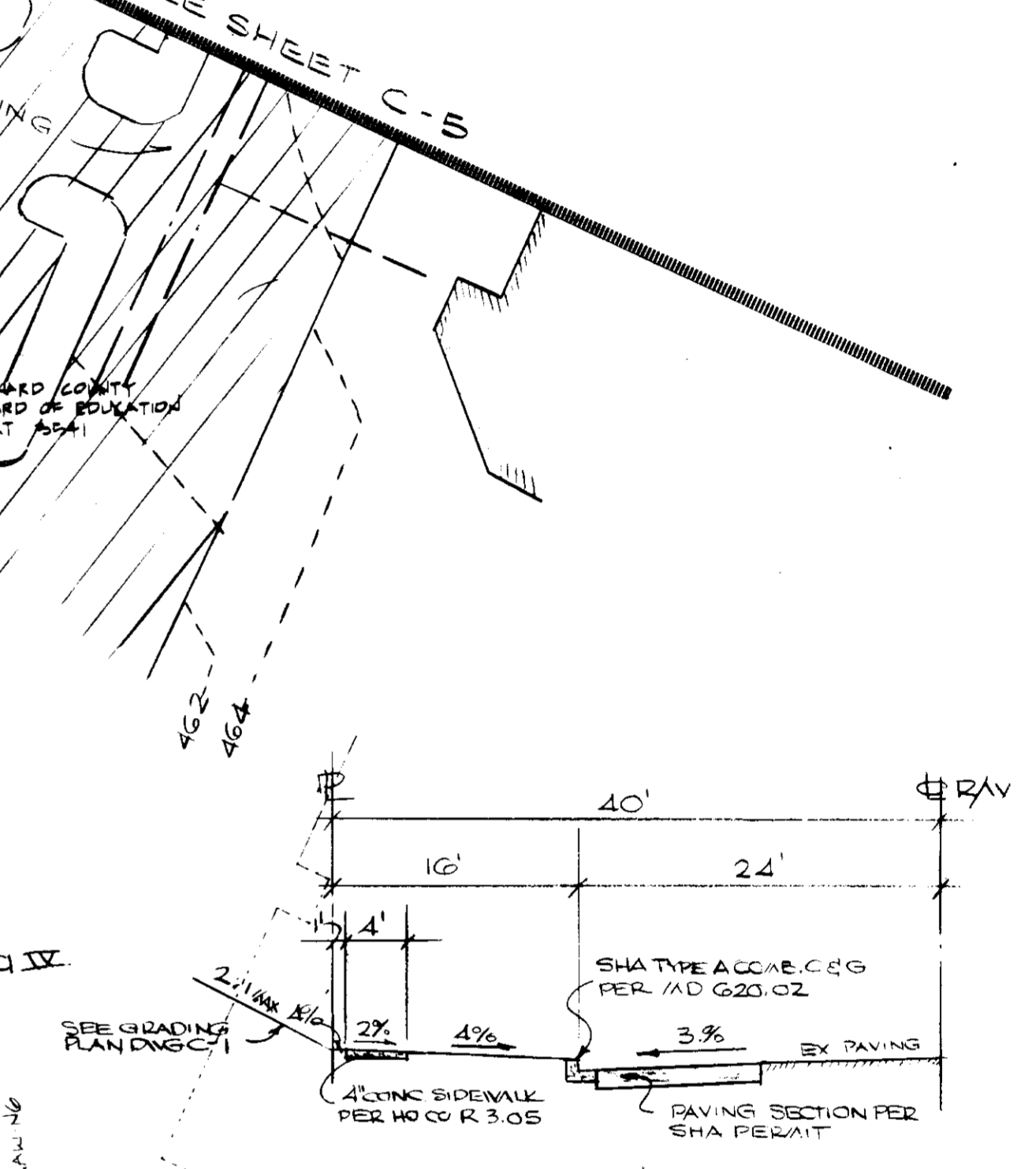
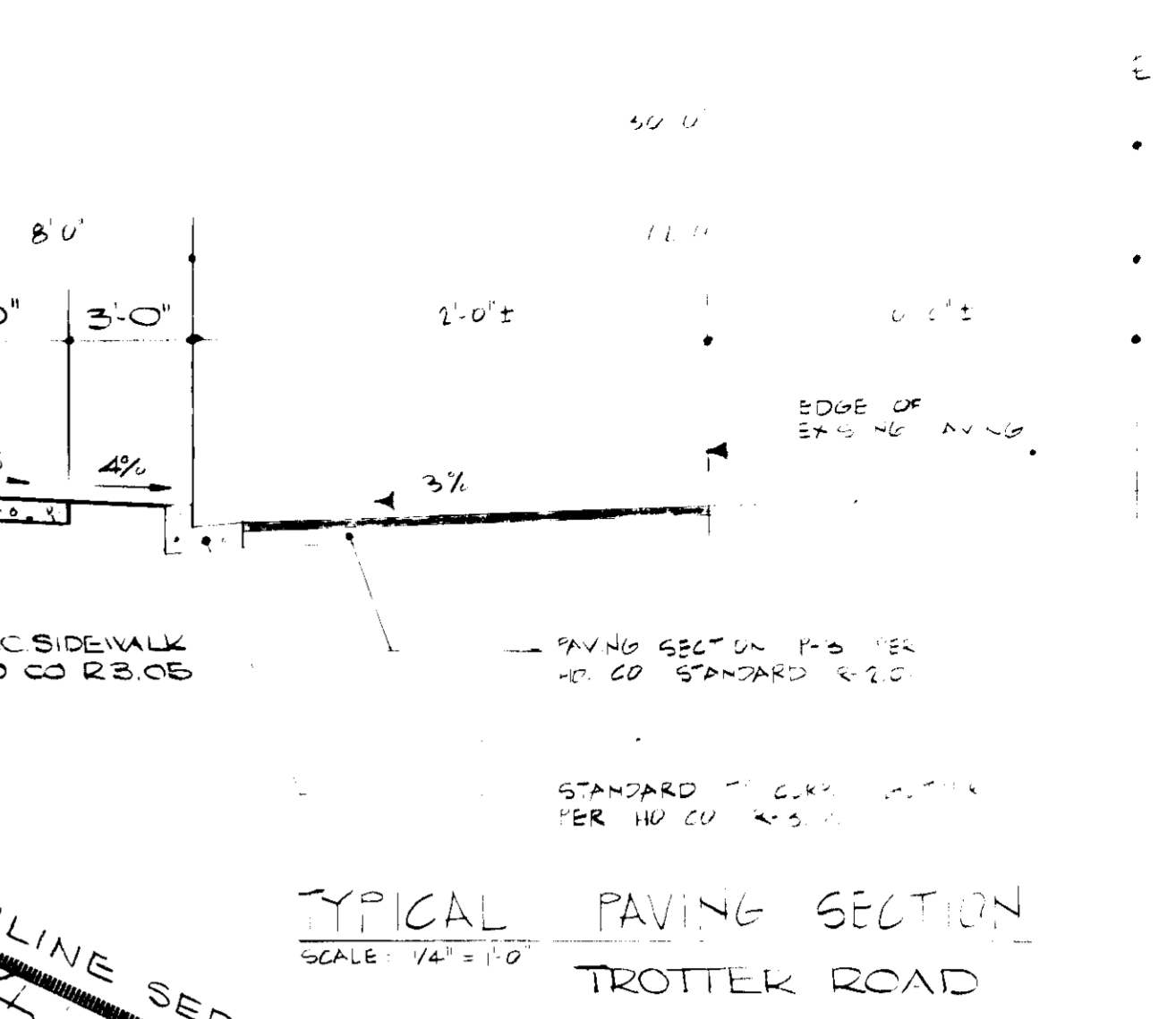
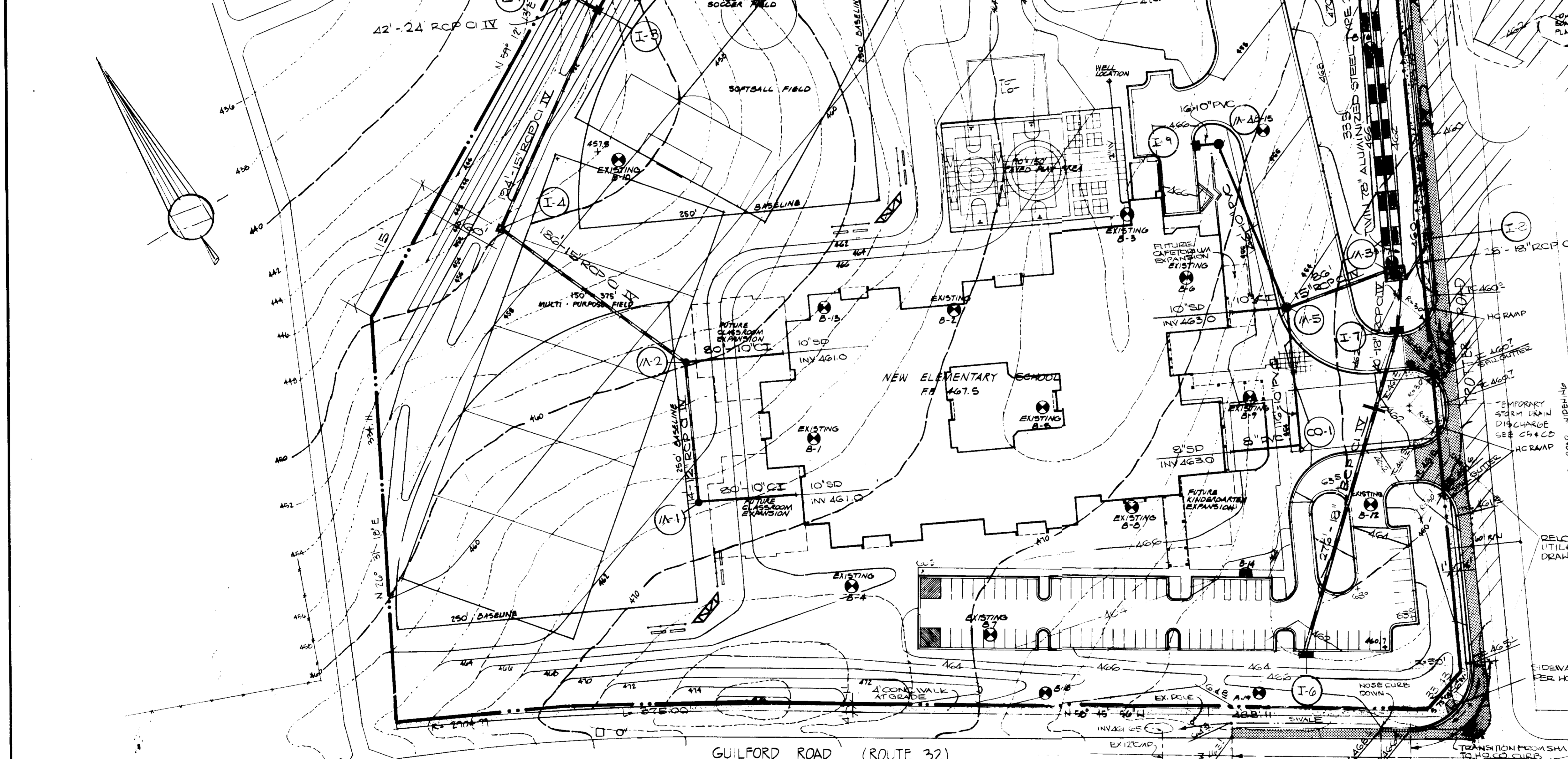
Thomas Clark Associates Architects
 9888 Baltimore Boulevard, Suite 300
 College Park, Maryland 20740
 301 345-9400

Scale: AS SHOWN
 Date: 26 JUNE 89
 1ST SUBMITTAL: 11 SEPT 89
 FINAL SUBMITTAL: 15 DEC. 89
C-3
 Sheet 3 of 11
 Project no.: 8810

SEPTIC SEWERAGE SYSTEMS, DEPARTMENT
 COUNTY HEALTH OFFICER: *CW* DATE: 2-14-90
 APPROVED: HOWARD COUNTY DEPT OF PLANNING AND ZONING DATE: 3-15-90
 DIRECTOR: *[Signature]* DATE: 3-15-90
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE: 3-15-90
 APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC WORKS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS DATE: 3-1-90
 DIRECTOR: *[Signature]* DATE: 3-1-90
 CHIEF, BUREAU OF ENGINEERING DATE: 3-1-90



Vicinity Map

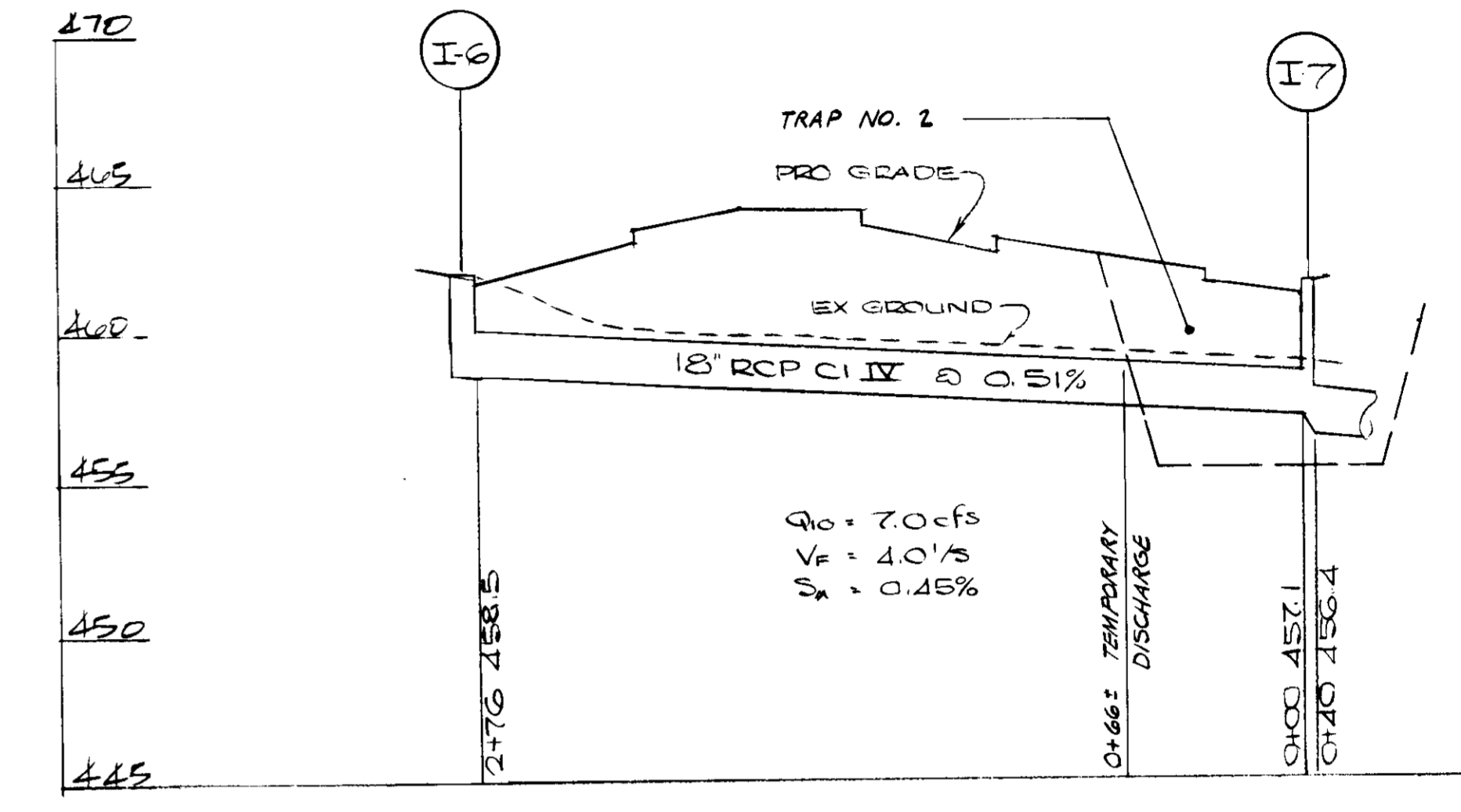
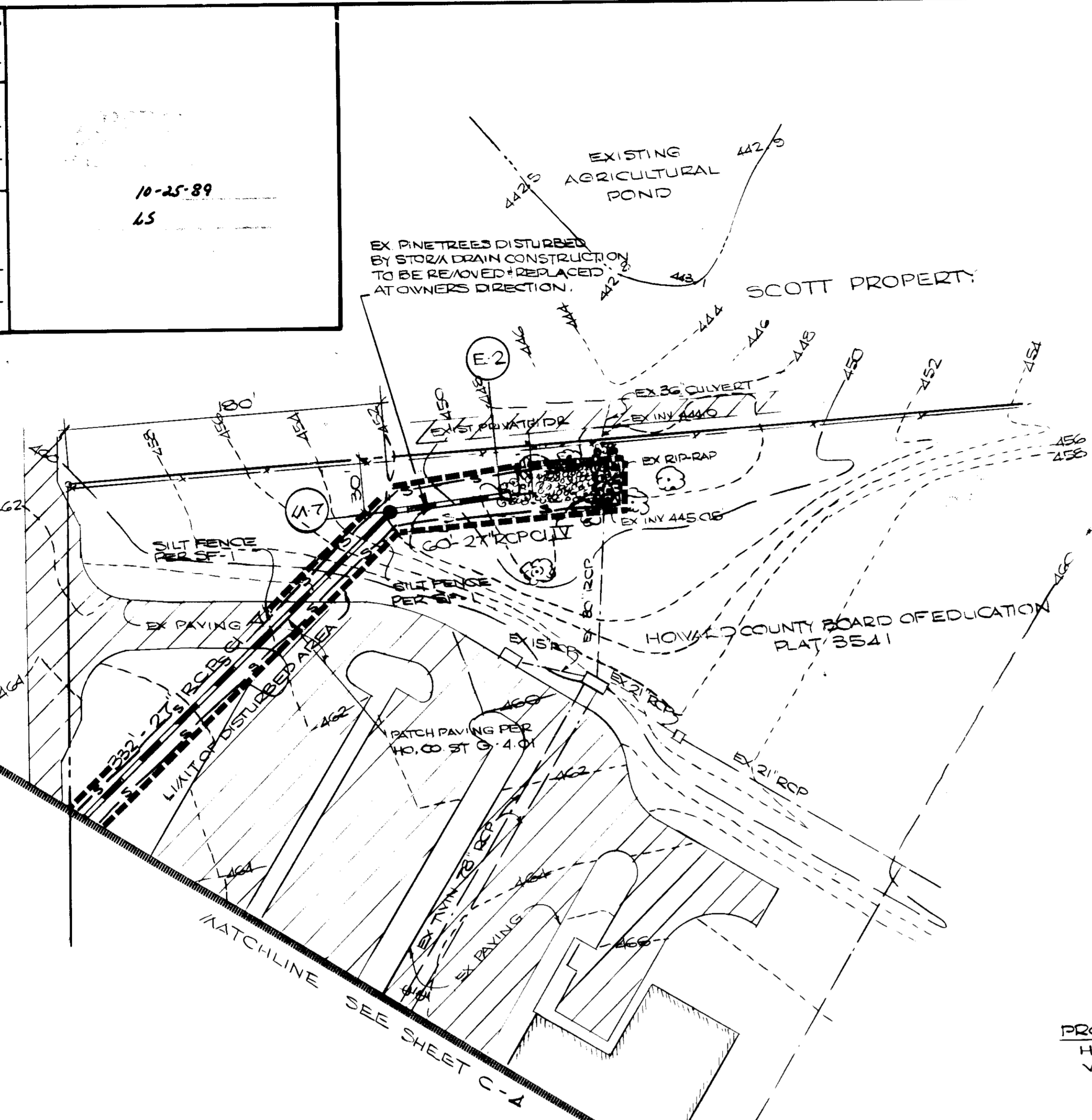


THIS PLAN TO BE USED FOR SITE UTILITY, ROADWAY IMPROVEMENTS AND ENTRANCE CONSTRUCTION ONLY

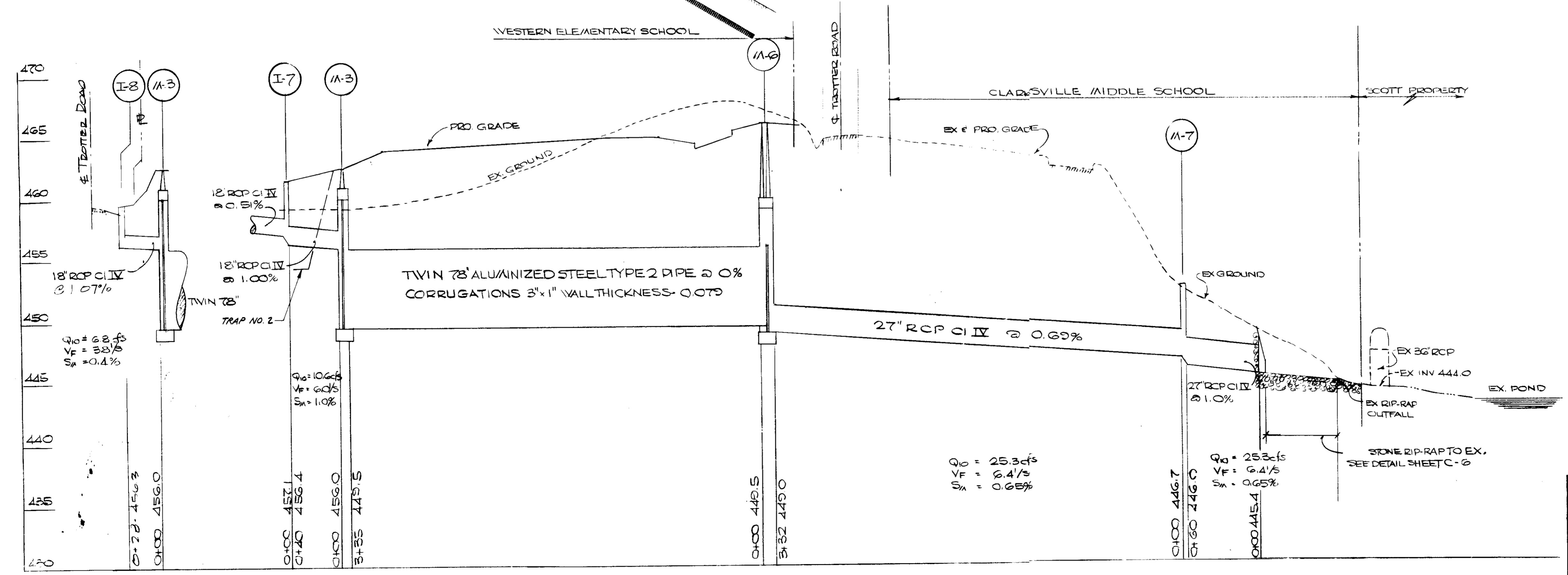
STORM DRAIN & ENTRANCE PLAN
Western Elementary School
 Village of River Hill
 OWNER:
 Howard County Board of Education
 10910 Route 108
 Ellicott City, Maryland 21043

Western Elementary School
 Howard County, Maryland
 SEYBOLT CORE, NEWQUIST & BERLINSKY
 CIVIL ENGINEERS & LAND SURVEYORS
 3000 KNOWLES AVENUE
 KENNESAW, GEORGIA 30144
 (404) 426-2000
 Thomas Clark Associates Architects
 9658 Baltimore Boulevard Suite 300
 College Park, Maryland 20740
 (301) 345-9400
 Scale: 1"=50'
 Date: *[Blank]*
 Sheet *C-1* of *[Blank]*
 Project no.: *[Blank]*

APPROVED FOR WATER AND SEPTIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: *[Signature]* DATE: 2-14-90
 APPROVED: HOWARD COUNTY DEPT OF PLANNING AND ZONING
 DATE: 3-15-90
 DIRECTOR: *[Signature]* DATE: 3-16-90
 CHIEF, DIVISION OF COMMUNITY
 PLANNING AND LAND DEVELOPMENT
 APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS,
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DATE: 10-25-89
 DATE: 3-1-90
 DATE: 3-1-90
 DATE: 3-1-90
 CHIEF, BUREAU OF ENGINEERING



PROFILE SCALES
 HOR = 1" = 50'
 VER = 1" = 5'



THIS PLAN TO BE USED FOR SITE UTILITY CONSTRUCTION ONLY

VP 89-108

STORM DRAIN PLAN & PROFILES
Western Elementary School
 Village of River Hill
 SECTION 1 AREA 2, LOT 1 PARCEL 59
 OWNER:
 Howard County Board of Education
 10910 Route 108
 Ellicott City, Maryland 21043

Scale: AS SHOWN
 Date: 26 JUNE 89
 SUBMITTAL: 12 SEPT 89
 FINAL SUBMITTAL: 15 DEC 89
C-5
 Sheet 5 of 12
 Project no.: 8810

SEYBOLT, GORE, NEWQUIST & BERLINSKY
 CIVIL ENGINEERS & ARCHITECTS
 1800 KNOWLES AVENUE
 HENNINGSTON, MARYLAND 20838
 (301) 744-2424

[Signature]

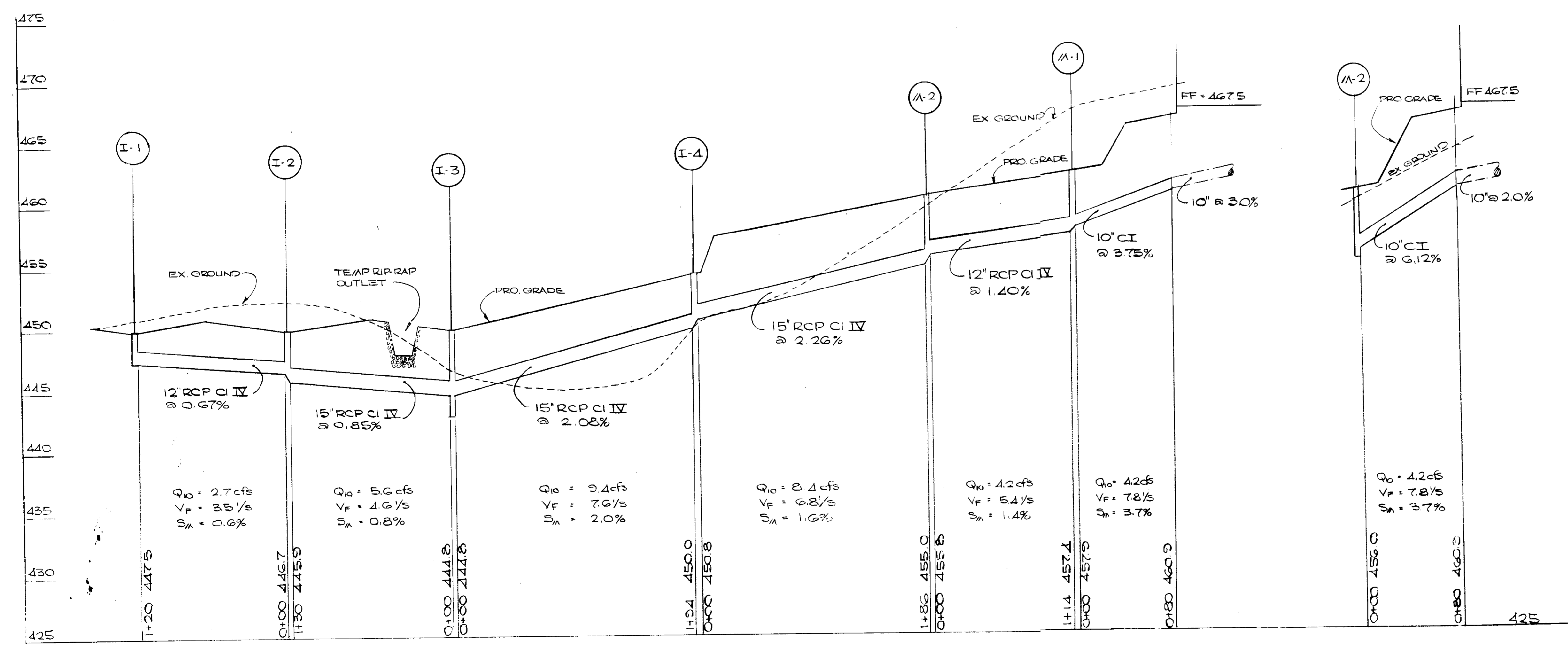
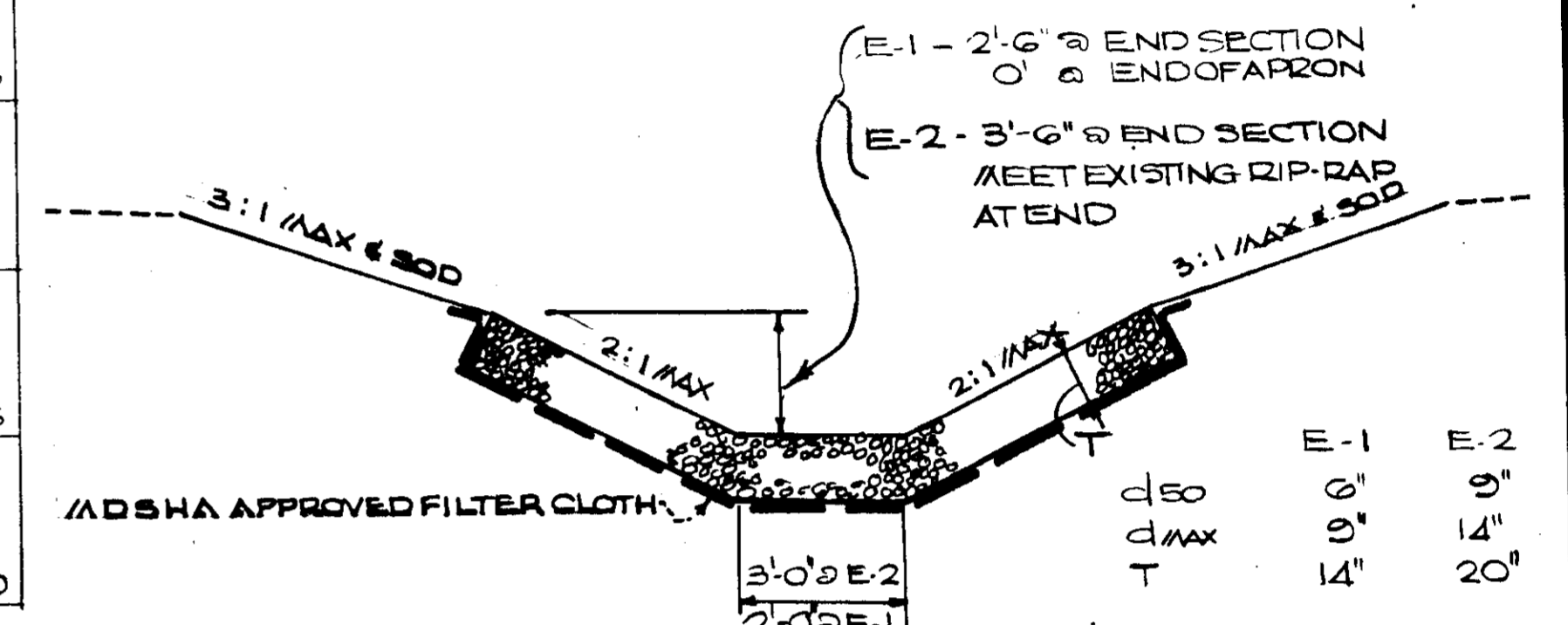
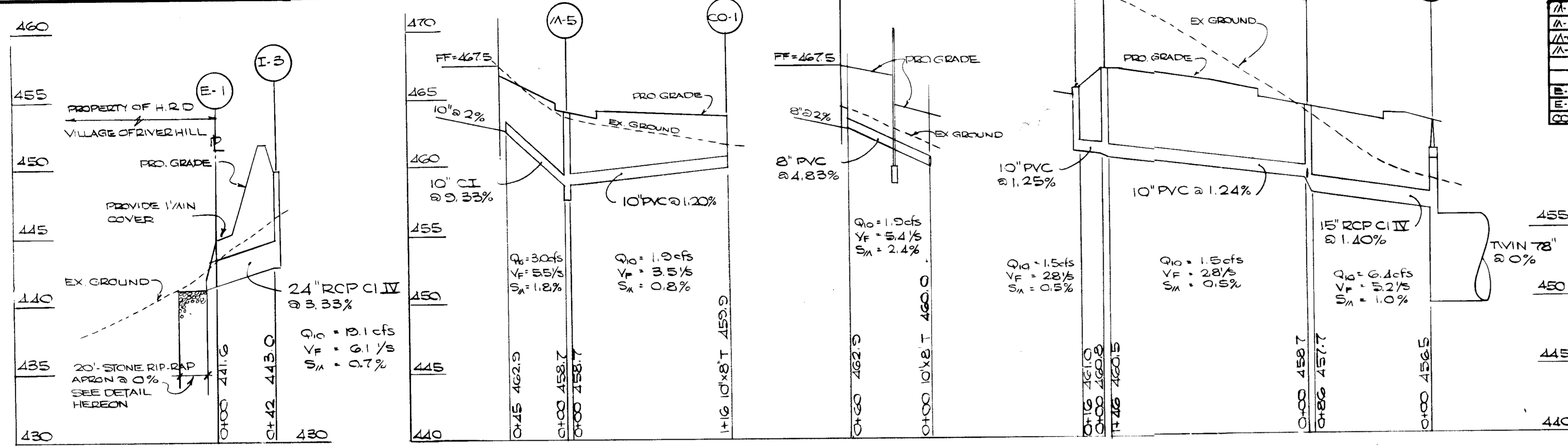
tca
 Thomas Clark Associates Architects
 8888 Baltimore Boulevard, Suite 300
 College Park, Maryland 20740
 (301) 345-8400



APPROVED FOR HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 COUNTY HEALTH OFFICER *[Signature]* DATE 2-14-90
 APPROVED HOWARD COUNTY DEPT OF PLANNING AND ZONING
 DIRECTOR *[Signature]* DATE 3-15-90
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT
 APPROVED FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS,
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR *[Signature]* DATE 3-1-90
 CHIEF, BUREAU OF ENGINEERING

10-25-89
 LS

NO	TYPE	INV-IN	INV-OUT	RSP ELEVATION		REMARKS	LOCATION
				UPPER	LOWER		
I-1	TYPE 'S' INLET	---	447.5	450.0	---	HOWARD COUNTY SD 4.22*	SEE PLAN
I-2	TYPE 'S' INLET	446.7	445.0	450.0	---	HOWARD COUNTY SD 4.22*	" "
I-3	DOUBLE TYPE 'S' INLET	444.8	443.0	450.0	---	HOWARD COUNTY SD 4.23*	" "
I-4	TYPE 'S' INLET	450.5	450.0	454.5	---	HOWARD COUNTY SD 4.22*	" "
I-5	A-10 INLET	---	458.5	462.0	---	HOWARD COUNTY SD 4.02	" "
I-7	A-10 INLET	457.1	456.4	461.0	461.2	HOWARD COUNTY SD 4.02	" "
I-8	A-10 INLET	---	456.0	459.0	---	HOWARD COUNTY SD 4.02	" "
I-9	A-5 INLET	---	461.0	465.7	---	HOWARD COUNTY SD 4.01	" "
M-1	SHALLOW BRICK /M	457.0	457.4	462.5	---	HOWARD COUNTY G 5.05	SEE PLAN
M-2	SHALLOW BRICK /M	457.0	456.0	460.8	---	HOWARD COUNTY G 5.05	" "
M-3	SPECIAL STRUCTURE	457.0	459.5	---	---	SEE DETAIL SHEET C-7	" "
M-4	PRECAST MANHOLE	460.5	460.5	467.0	---	HOWARD COUNTY G 5.12	" "
M-5	PRECAST MANHOLE	458.7	457.7	464.0	---	HOWARD COUNTY G 5.12	" "
M-6	SPECIAL STRUCTURE	449.5	449.0	---	---	SEE DETAILS SHEET C-7	" "
M-7	SHALLOW MANHOLE	446.7	446.0	452.5	---	HOWARD COUNTY G 5.13	" "
E-1	CONCRETE END SECTION	441.6	---	---	---	HOWARD COUNTY S D S. 51	SEE PLAN
E-2	CONCRETE END SECTION	445.0	---	---	---	/ADSHA 368.01	" "
CO-1	CLEANOUT	459.0	---	463.7	---	HOWARD COUNTY S 2.22	" "



STORM DRAIN PROFILES
Western Elementary School
 Village of River Hill
 SECTION 1 AREA 2 LOT 1 PARCEL 59
 OWNER:
 Howard County Board of Education
 10910 Route 108
 Ellicott City, Maryland 21043

SEYBOLT, GORE, NEWQUIST & BERLINSKY
 CIVIL ENGINEERS ARCHITECTS
 2800 KNOX AVENUE
 WASHINGTON, MARYLAND 20005
 (301) 740-0000

[Signature]

tca
Thomas Clark Associates Architects
 9636 Baltimore Boulevard, Suite 300
 College Park, Maryland 20740
 (301) 345-9400

Scale: AS SHOWN
 Date: 26 JUNE 89
 SUBMITTAL: 15 SEPT 89
 FINAL SUBMITTAL: 15 DEC 89
C-6
 Sheet 6 of 12
 Project no.: 8812

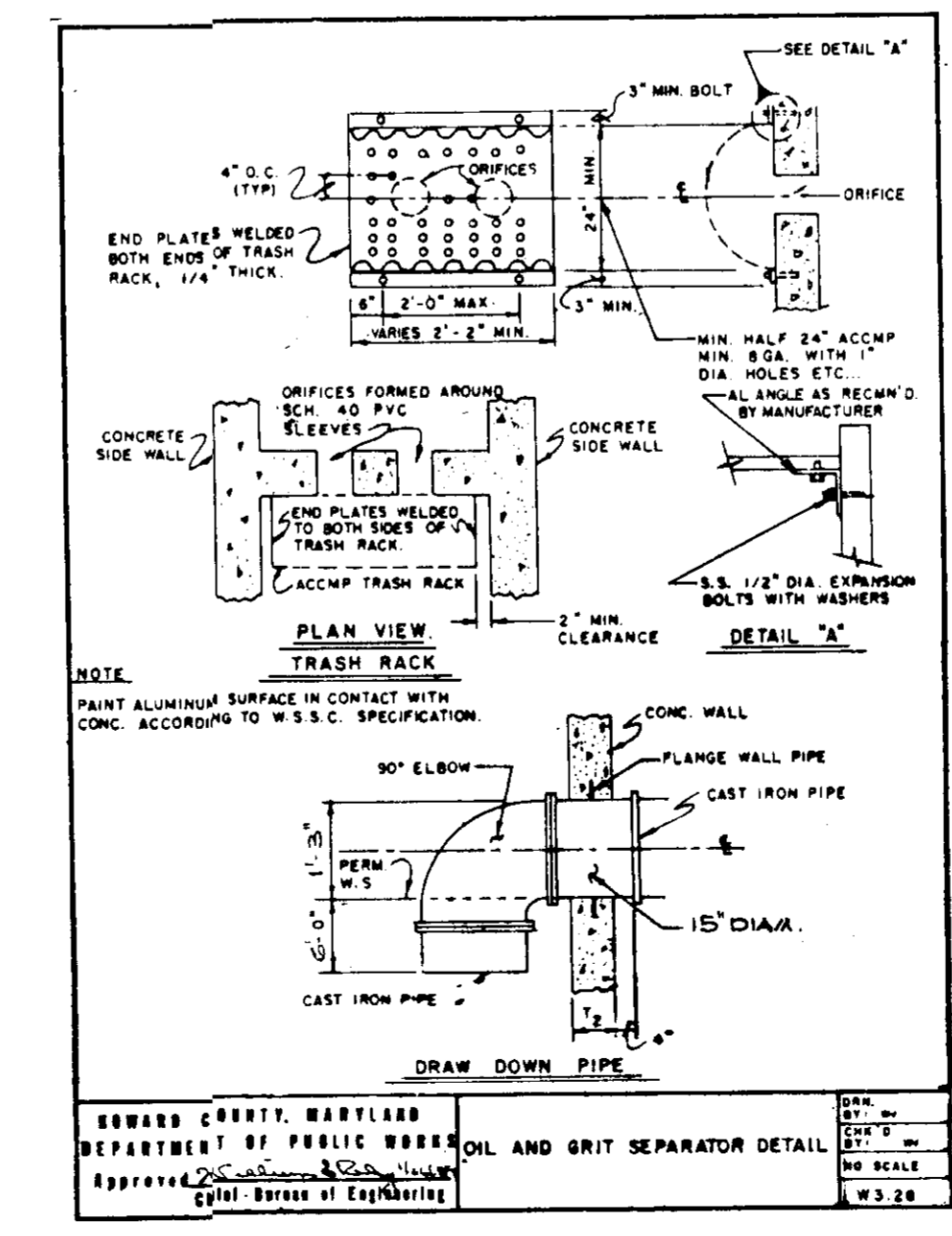
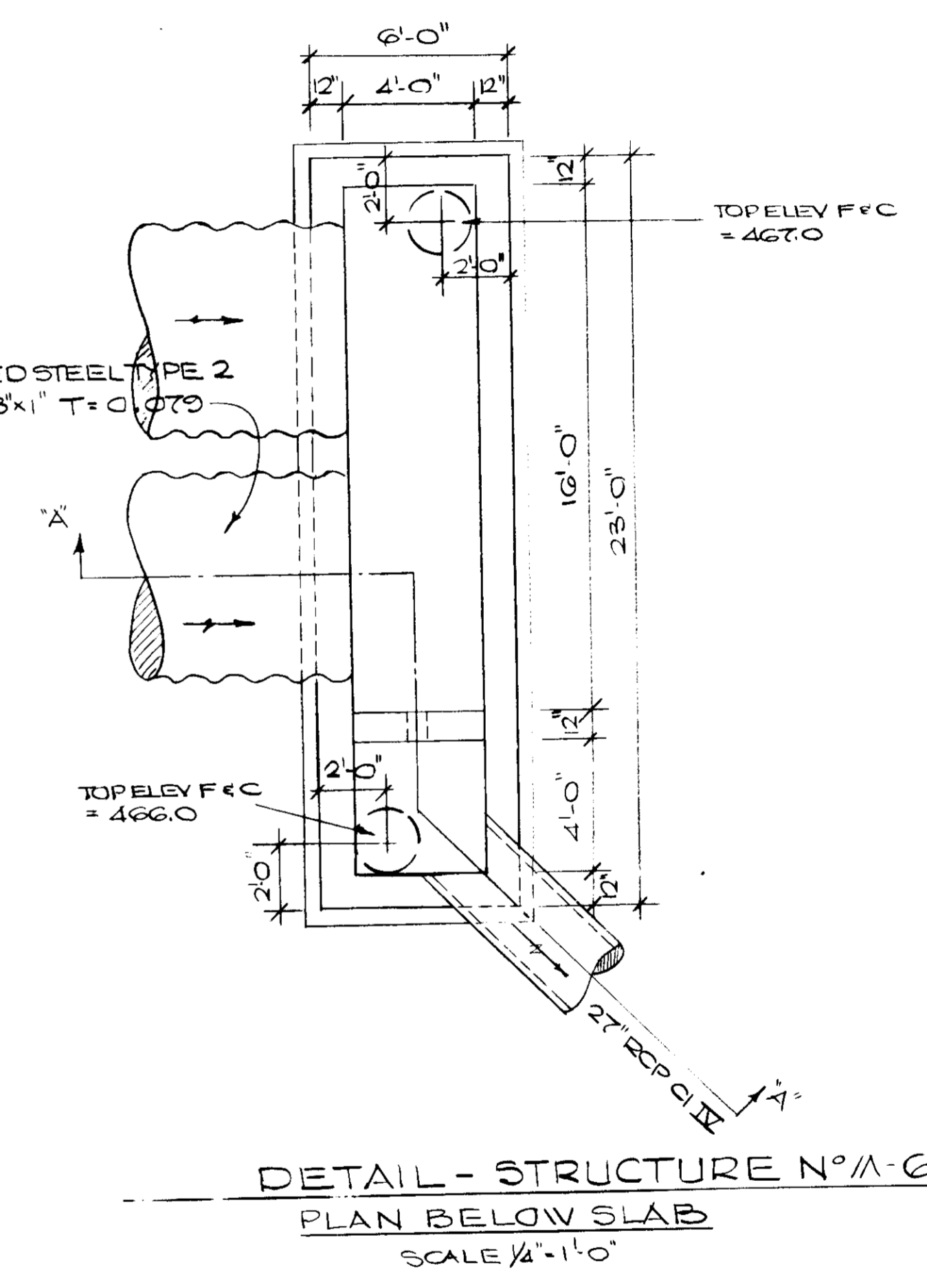
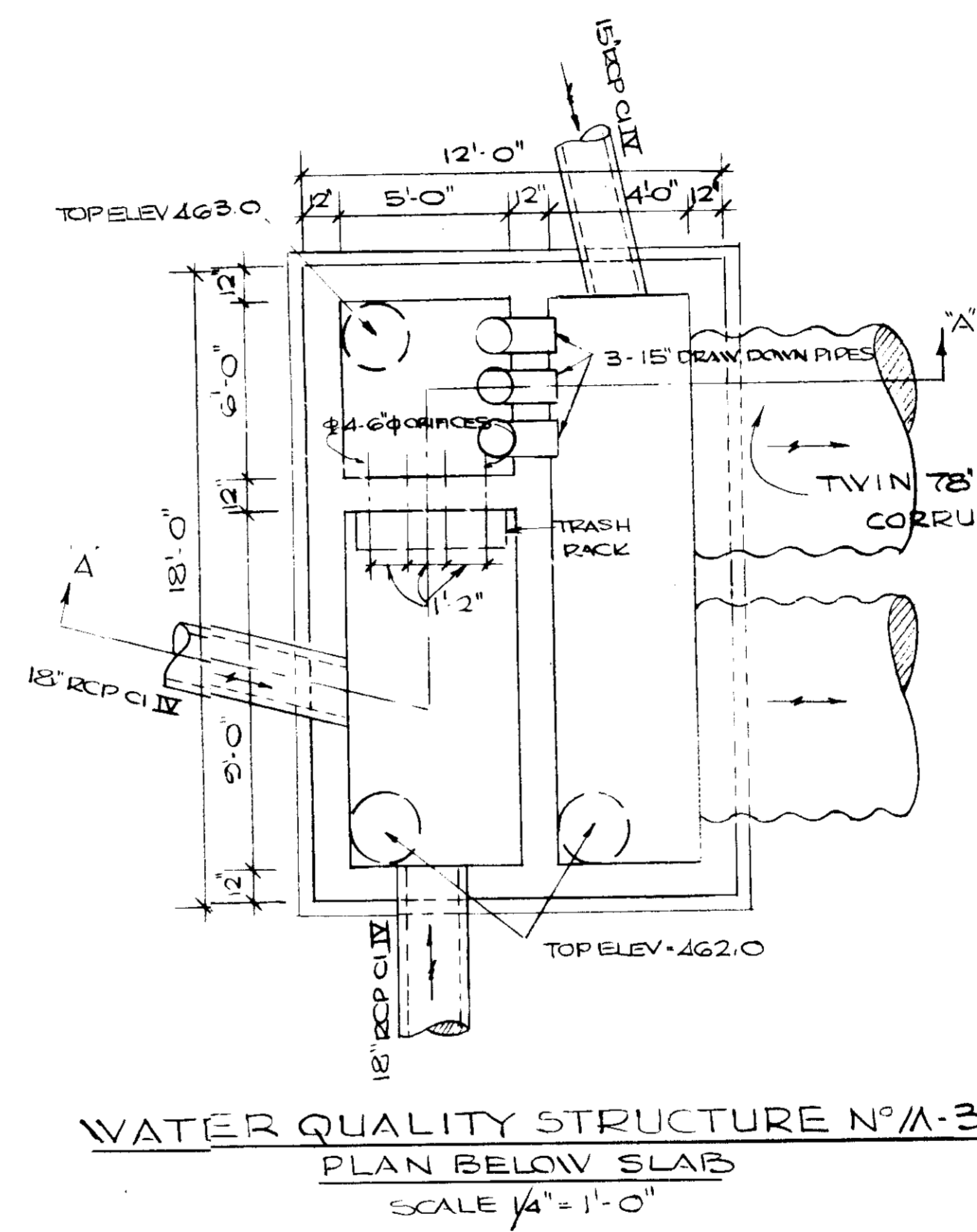
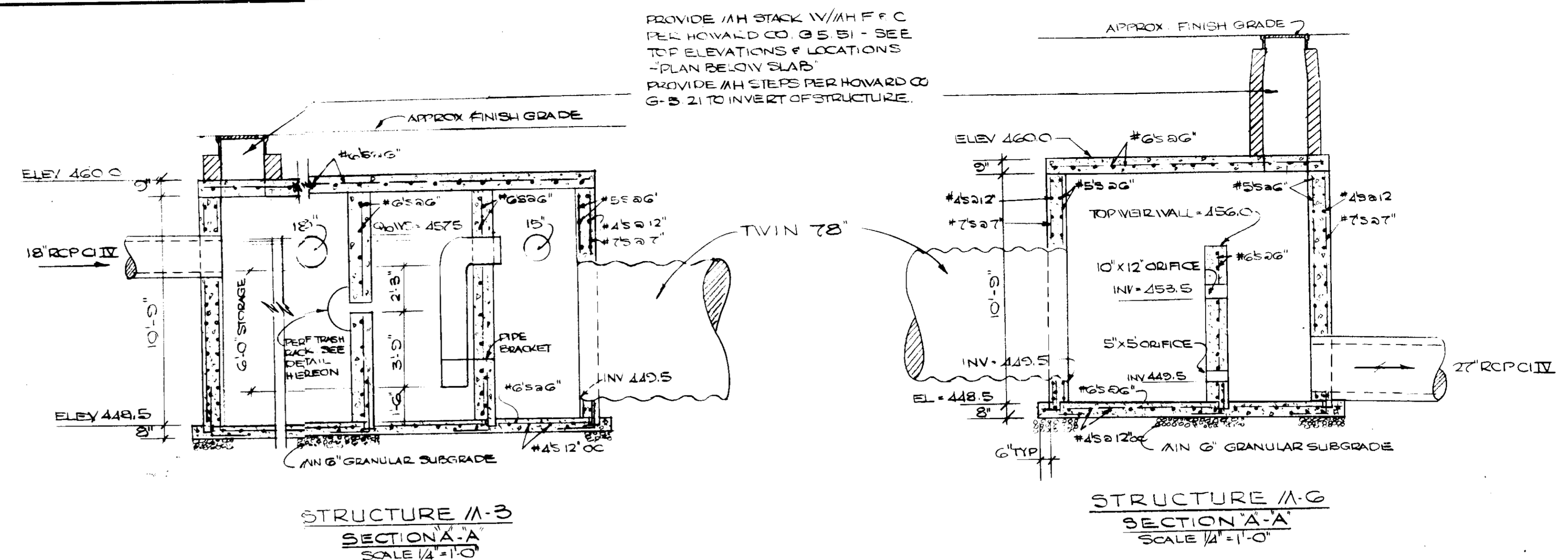
APPROVED FOR SEPTIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT

2/4/90
DATE

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

10-25-89
DATE

15



CONSTRUCTION AND MAINTENANCE SCHEDULE
STORMWATER MANAGEMENT AND WATER QUALITY FACILITY

- CONSTRUCTION NOTES**
- Construction of the facility may begin after all sediment controls are in place.
 - Silt and debris shall not be allowed to enter the structures until contributing drainage areas have been permanently stabilized.
 - All openings to structures shall be protected with the appropriate sediment control measures during construction.
- MAINTENANCE NOTES**
- The stormwater management and water quality facility will require periodic cleaning. Owners of these facilities will have to clean them as needed or on a frequency that the County determines is appropriate.
 - Maintenance of these facilities will consist of cleaning out the separator and disposal of the waste and the repair of the facility as needed. Periodic inspections of these facilities will be made by the County Stormwater Management group.
 - The disposal of the liquid and solid matter should be as follows:
 - All liquid material in the Separator inlet shall be pumped into a suitable tank truck and disposed of at an approved Sanitary District discharge manhole or be taken to an approved sewage treatment plant for discharge.
 - The solid material shall be landfilled in an approved Sanitary Landfill.
 - The inlet pipes, trash racks, grates, and structural parts shall be repaired as needed.
 - The underground storage pipes and control structure (No. 6) will require periodic cleaning. The sediment shall be landfilled in an approved sanitary landfill.

STORMWATER MANAGEMENT-WATER QUALITY DETAILS

Western Elementary School
Village of River Hill
SECTION 1 AREA 2, LOT 1 PARCEL 59

OWNER:
Howard County Board of Education
10910 Route 108
Ellicott City, Maryland 21043

Western Elementary School
Howard County, Maryland

SEYBOLT, GORE, NEWQUIST & BERLINSKY
CIVIL ENGINEERS & ARCHITECTS
KENSINGTON, MARYLAND 20895
(301) 946-2000

Q. W. Murray

tca
Thomas Clark Associates Architects
9655 Baltimore Boulevard, Suite 300
College Park, Maryland 20740
(301) 345-9400

Scale: AS NOTED
Date: 16 JUNE 89
2005 REVISION: 10 SEPT 89
FINAL SUBMITTAL: 15 DEC 89

C-7

Sheet 7 of 11
Project no.: 88-10

PROJECT: STORM DRAINAGE AND SEPTIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT

APPROVED: *James Brodwin* 2-14-90
COUNTY HEALTH OFFICER DATE

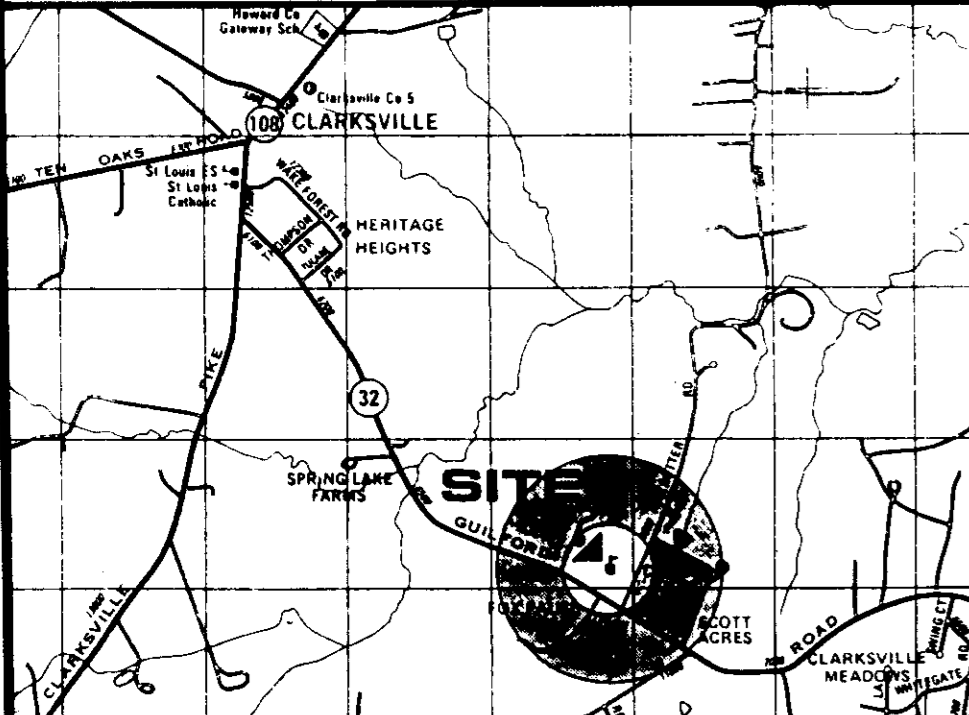
APPROVED: *[Signature]* 3-15-90
HOWARD COUNTY DEPT. OF PLANNING AND ZONING
DIRECTOR DATE

APPROVED: *J. P. [Signature]* 3/15/90
CHIEF, DIVISION OF COMMUNITY
PLANNING AND LAND DEVELOPMENT DATE

APPROVED: *[Signature]* 10-25-89
FOR STORM DRAINAGE SYSTEMS AND PUBLIC WORKS,
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

APPROVED: *[Signature]* 3/1/90
DIRECTOR DATE

APPROVED: *[Signature]* 3-1-90
CHIEF, BUREAU OF ENGINEERING DATE



TRAP NO. 1
RIP-RAP OUTLET SEDIMENT TRAP PER STANDARD VI

MAXIMUM DRAINAGE AREA	= 8.9 AC
REQUIRED VOLUME	= 16,020 FT ³
PROVIDED VOLUME	= 20,000 FT ³
DESIGN DEPTH	= 4'
BOTTOM ELEVATION	= 443.0
WEIR ELEVATION	= 448.0
WEIR LENGTH	= 10'
CLEANOUT ELEVATION	= 445.4
TOP ELEVATION	= 452.0
BOTTOM DIMENSIONS	= 40' X 100'
SIDE SLOPES	= 2:1

- SEDIMENT 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. (892-2437)
 - 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.
 - Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within: a) 7-calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14-days as to all other disturbed or graded areas on the project.
 - 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.
 - All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 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	15.4 Acres
Total Disturbed Area	4.0 Acres
Area to be Roofed or Paved	3.7 Acres
Area to be Vegetatively Stabilized	11.3 Acres
Total Cut	SEE GRADING PLAN C.D. Yds.
Total Fill	SEE GRADING PLAN C.D. Yds.
Off Site 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 Department of Public Works 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.
 - All pipes to be blocked at the end of each day (see detail below).
 - The total amount of straw bale dikes/silt fence equals 600LF

TRAP NO. 2 - STONE OUTLET SEDIMENT TRAP PER STANDARD VI

MAXIMUM DRAINAGE AREA	= 4.7 AC
REQUIRED VOLUME	= 8,460 FT ³
PROVIDED VOLUME	= 10,470 FT ³
DESIGN DEPTH	= 3'
BOTTOM ELEVATION	= 455.0
WEIR ELEVATION	= 459.0
WEIR LENGTH	= 20'
CLEANOUT ELEVATION	= 457.0
TOP ELEVATION	= 460.0
BOTTOM DIMENSIONS	= 80' X 25'
SIDE SLOPES	= 2:1 MAX

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

Approved: *[Signature]* Date: 12/22/89
Howard S.C.D.

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 erosion and sediment control and that all 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/We also authorize periodic inspection by the Howard Soil Conservation District or their authorized agents as are deemed necessary."

Cathleen Conley Young 12/22/89
Signature of Developer/Builder Date
CATHLEEN CONLEY YOUNG
HOWARD CO PUBLIC SCHOOLS

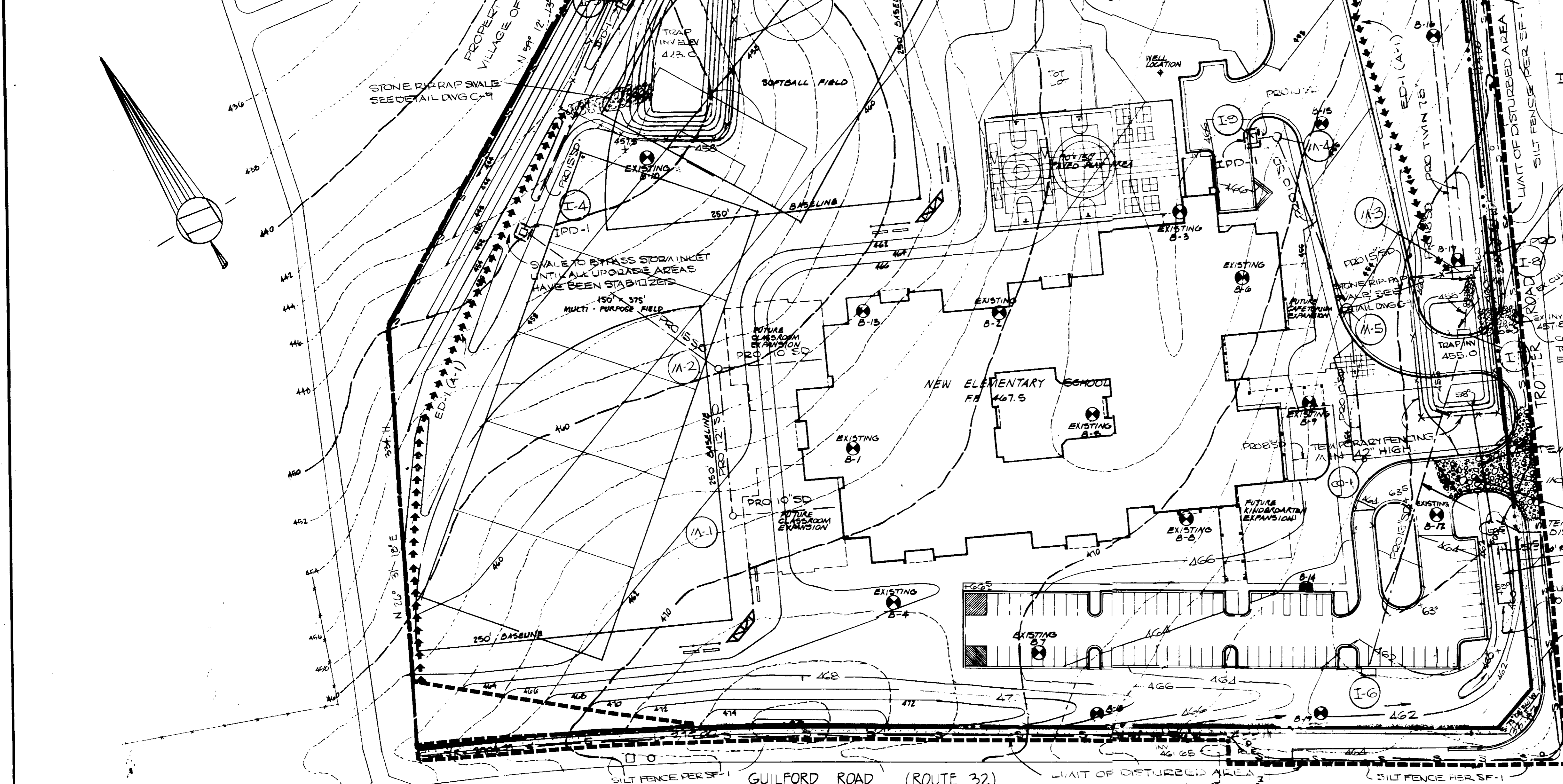
ENGINEER'S CERTIFICATE

I hereby 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.

Gordon L. Berlinsky 11/22/89
Signature Date
Gordon L. Berlinsky, P.E.

Revised for: *NO WORK* S.O.D.
Basic
Technical Requirements Date: 12/24/89
Signature: *[Signature]*
U.S. Soil Conservation Service

Vicinity Map



THIS PLAN TO BE USED FOR SEDIMENT CONTROLS ONLY

SEDIMENT & EROSION CONTROL PLAN

Western Elementary School
Village of River Hill
SECTION 1 AREA 2, LOT 1 PARCELS 89

OWNER:
Howard County Board of Education
10910 Route 108
Ellicott City, Maryland 21043

Western Elementary School
Howard County, Maryland
Howard County Public School System

SEYBOLT, GORE, NEWQUIST & BERLINSKY
CIVIL ENGINEERS & LAND SURVEYORS
KENSINGTON, MARYLAND 20885
(301) 946-0000

[Signature]

tca
Thomas Clark Associates Architects
9658 Baltimore Boulevard Suite 300
College Park, Maryland 20740
(301) 545-9400

Scale: 1" = 50'
Date: 12/22/89
Sheet: 1 of 1
Project no.: 89-001

APPROVED FOR STORM DRAINAGE SYSTEMS AND SEPTIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
DATE 2-14-90
COUNTY HEALTH OFFICER
APPROVED FOR HOWARD COUNTY DEPT OF PLANNING AND ZONING
DATE 3-15-90
DIRECTOR
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT
APPROVED FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS,
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE 3/1/90
DIRECTOR
CHIEF, BUREAU OF ENGINEERING

10-25-89

PERMANENT SEEDING NOTES

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

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

Soil Amendments: In lieu of soil test recommendations, use one of the following schedules:

1. Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq. ft.) and 600 pounds 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 pounds per acre 30-0-0 ureaform fertilizer (9 lbs./100- 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 of March 1 through April 30, and August 1 through October 15, seed with 60 pounds per acre (1.4 lbs./1000 sq. ft.) of Kentucky 31 Tall Fescue. For the period May 1 through 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 through February 28 protect site by: Option (1) two 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 pounds per acre of Kentucky 31 Tall Fescue and mulch with 2 tons per 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 seeding 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 pounds per acre 10-10-10 fertilizer (14 lbs./1000 sq. ft.)

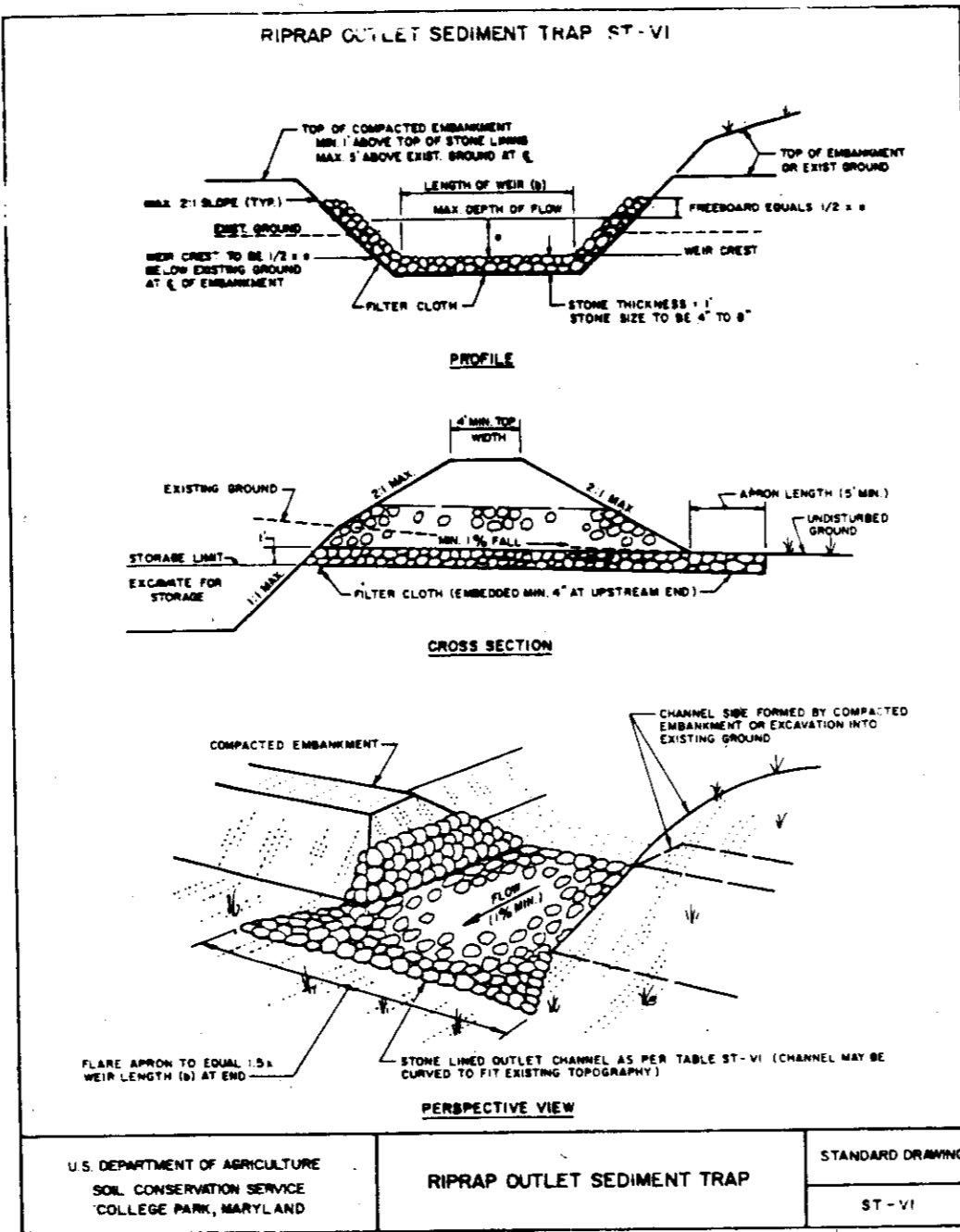
Seeding: For periods March 1 through April 30 and from August 15 through November 15, seed with 2-1/2 bushel per acre (3.2 lbs./1000 sq. ft.) of annual rye. For the period May 1 through August 14, seed with 3 pounds per acre (.07 lbs./1000 sq. ft.) of weeping lovegrass. For the period November 16 through February 28, protect site by applying 2 tons per acre (92 lbs./1000 sq. ft.) 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 rates and methods not covered.

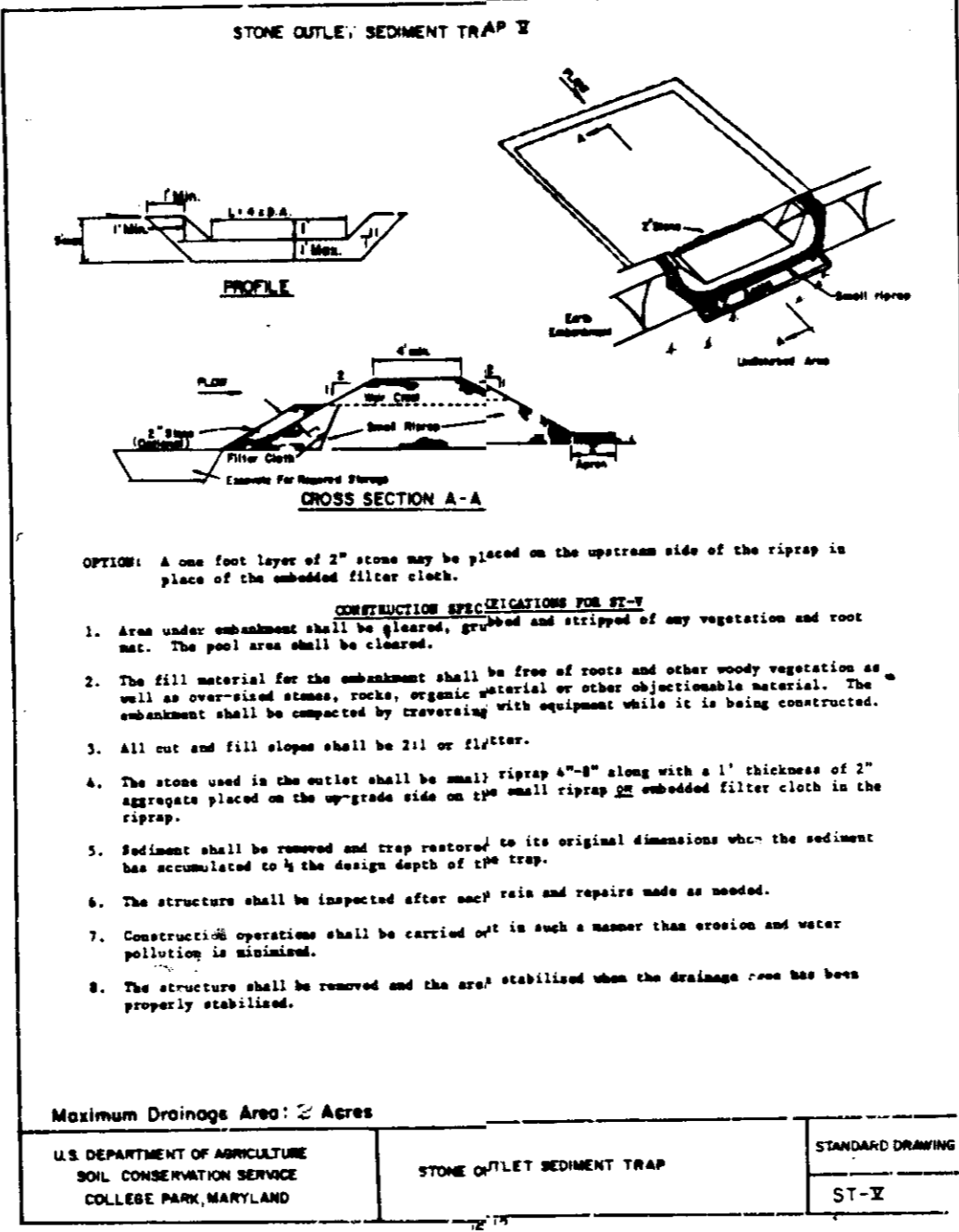
CONSTRUCTION SEQUENCE

	# of Days
1. Obtain Grading Permit.	2
2. Install sediment and erosion control measures. (Temp 12" x 12" x 36" x 36" to be constructed at this time)	7
3. Clear and rough grade site.	21
4. Construct utilities and all storm drains except at trap no. 2	90
5. Fine grade and construct paving and building.	360
6. Stabilize all other disturbed areas on site in accordance with standards and specs.	14
7. Upon approval of the sediment control inspector, remove sediment and erosion control measures and stabilize.	14
8. After all areas on the site are stabilized, construct fill in area of trap no. 2, complete storm drain and paving, and stabilize disturbed area.	5
* Construct earth dikes as shown on drawing C-8 prior to excavation and construction of Stormwater Management System. Ends of pipes to be blocked at the end of each days work. System not to be made functional until all upgrade areas have been stabilized.	



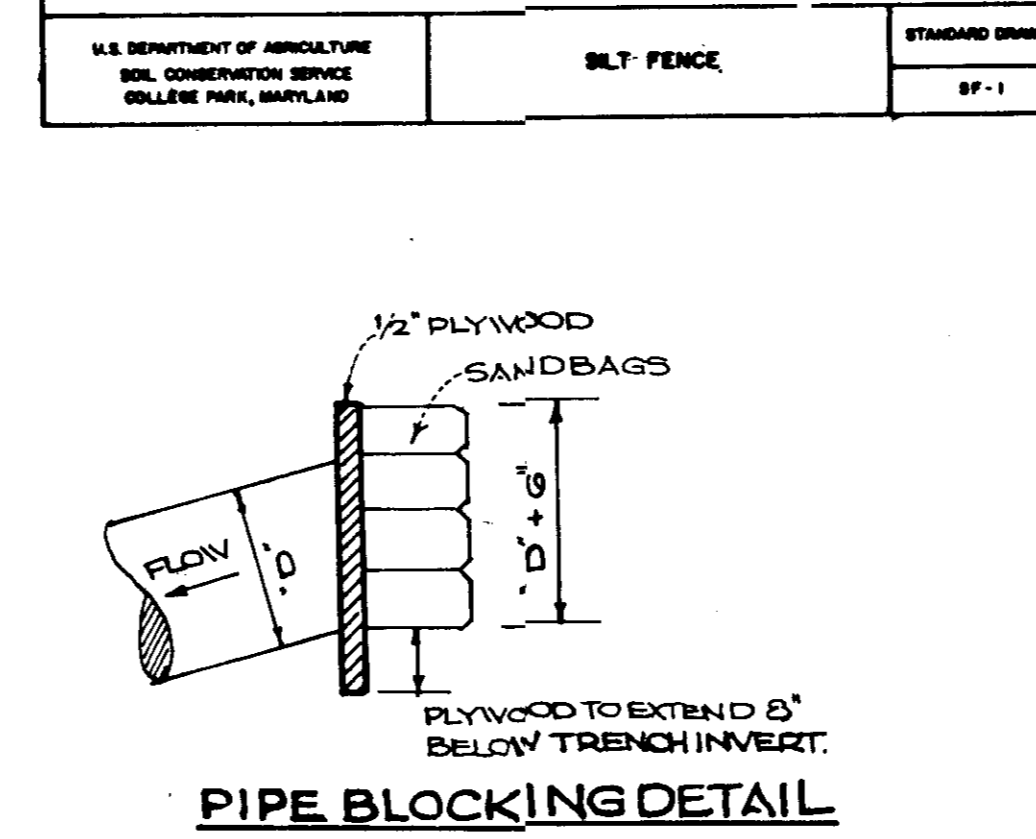
CONSTRUCTION SPECIFICATIONS FOR ST-VI

1. The 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 or other woody vegetation as well as oversized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed. Maximum height of embankment shall be five (5) feet, measured at centerline of embankment.
3. All fill slopes shall be 2:1 or flatter; cut slopes 1:1 or flatter.
4. Elevation of the top of any dike directing water into trap must equal or exceed the height of embankment.
5. Storage area provided shall be figured by computing the volume available behind the outlet channel up to an elevation of one (1) foot below the level weir crest.
6. Filter cloth shall be placed over the bottom and sides of the outlet channel prior to placement of stone. Sections of fabric must overlap at least one (3) foot with section nearest the entrance placed on top. Fabric shall be embedded at least six (6) inches into existing ground at entrance of outlet channel.
7. Stone used in the outlet channel shall be four (4) to eight (8) inches (riprap). To provide a filtering effect, a layer of filter cloth shall be embedded one (1) foot back into the upstream face of the outlet stone or a one (1) foot thick layer of two (2) inch or finer aggregate shall be placed on the upstream face of the outlet.
8. 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.
9. The structure shall be inspected after each rain and repaired as needed.
10. Construction operations shall be carried out in such a manner that erosion and water pollution are minimized.
11. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.
12. Drainage area for this practice is limited to 15 acres or less.



CONSTRUCTION SPECIFICATIONS FOR ST-X

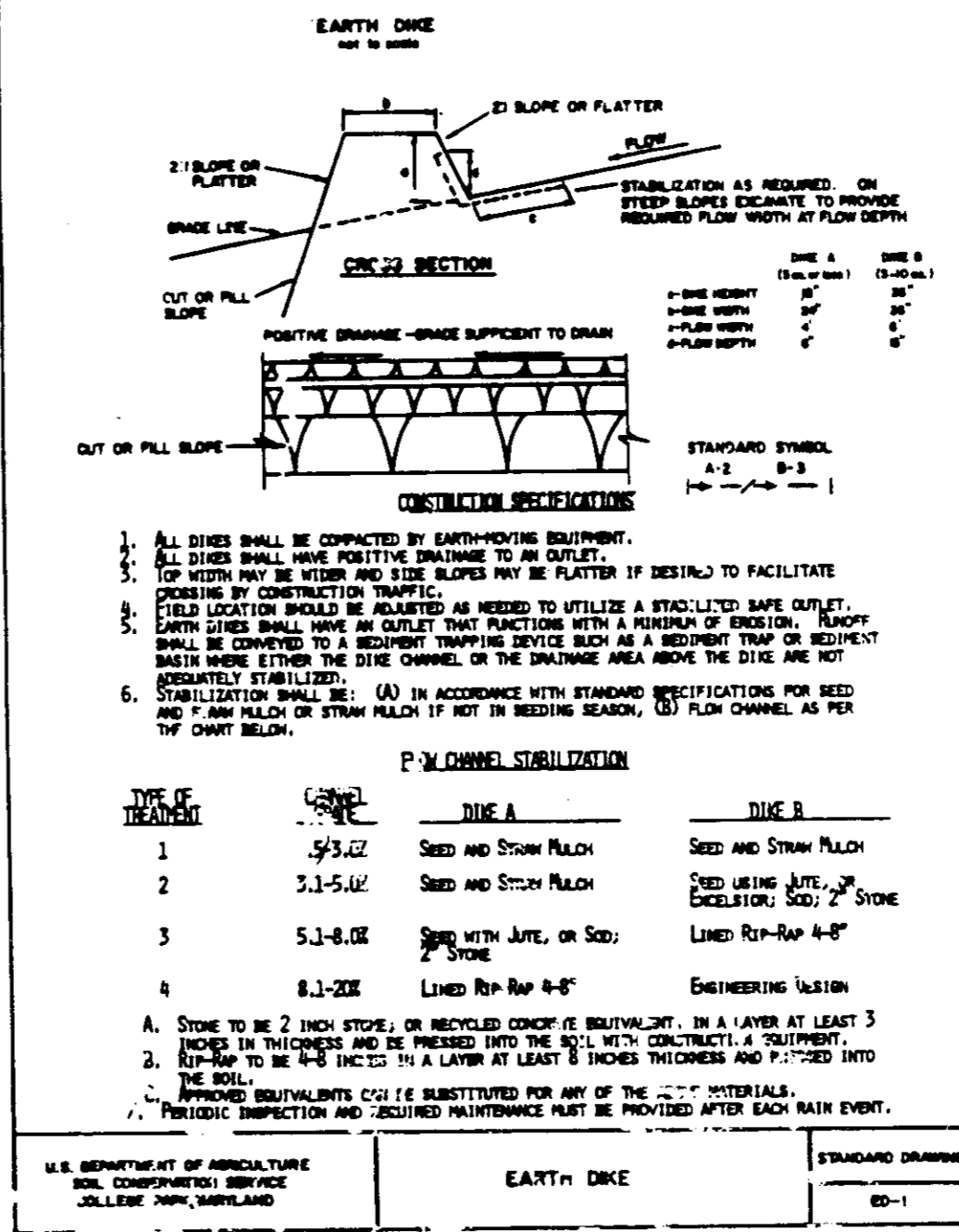
1. Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
2. The fill material for the embankment shall be free of roots and other woody vegetation as well as oversized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed. Maximum height of embankment shall be five (5) feet, measured at centerline of embankment.
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 upstream side on the small riprap 2" embedded filter cloth in the dike.
5. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap.
6. Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
7. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.



DEVELOPER'S/BUILDER'S CERTIFICATE

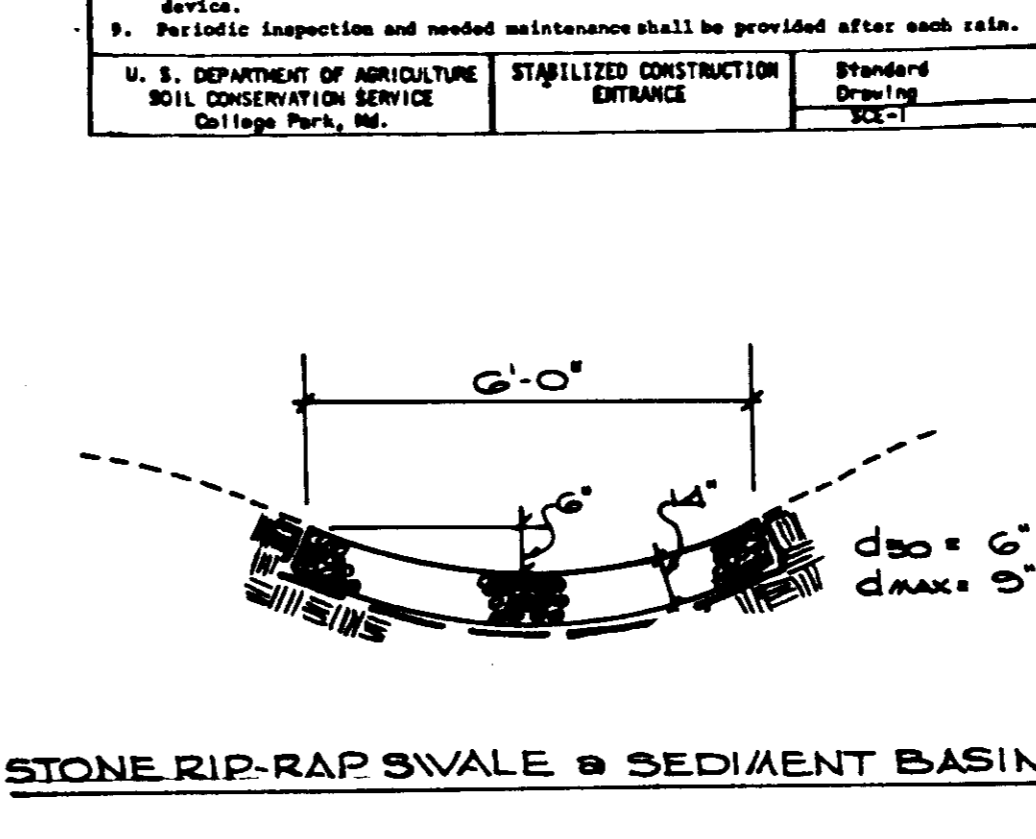
I/We certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I/We also authorize periodic inspection by the Howard Soil Conservation District or their authorized agents as are deemed necessary.

Cathleen Conley Young
Cathleen Conley Young
Signature of Developer/Builder
12/21/89
Date



CONSTRUCTION SPECIFICATIONS FOR ST-7

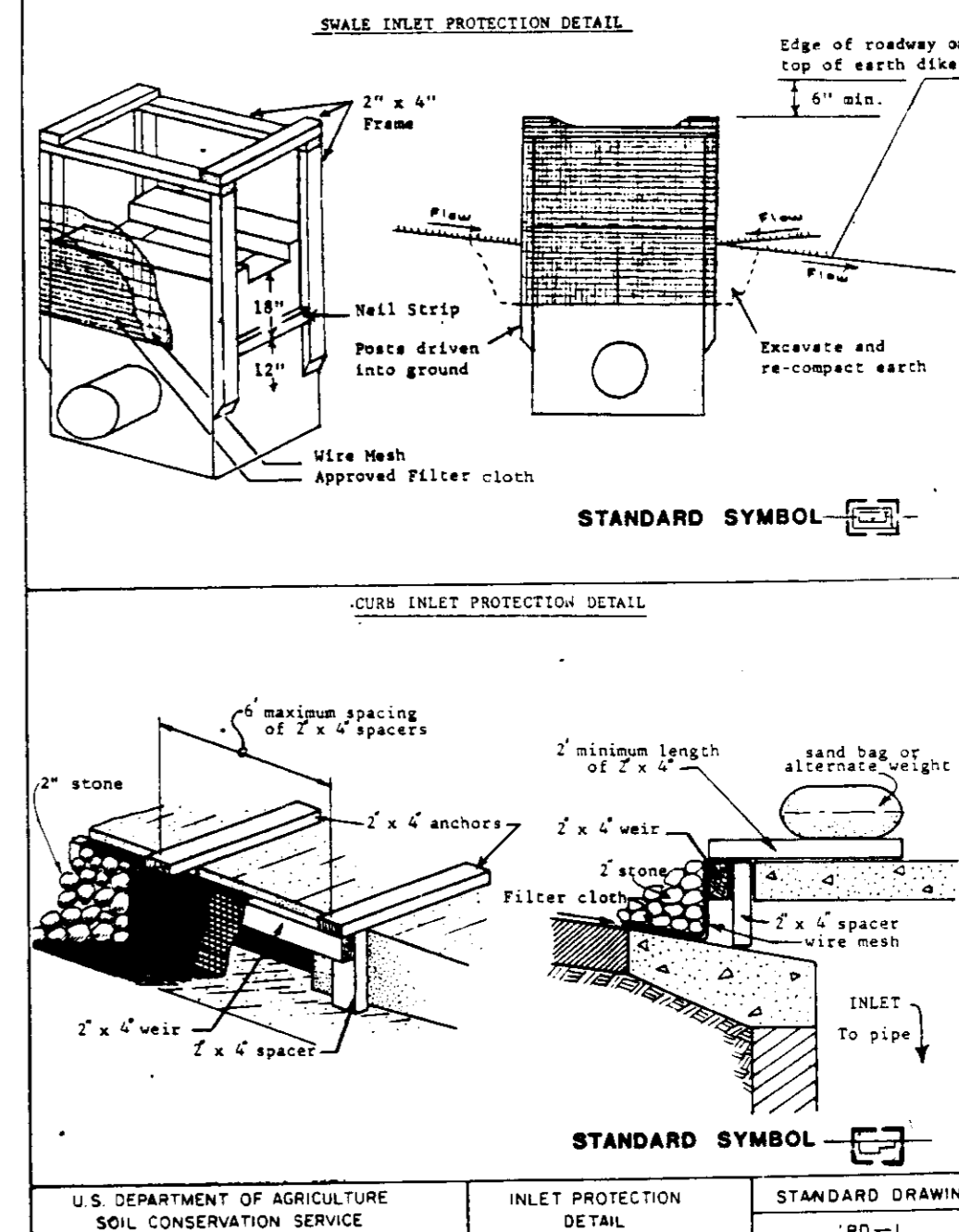
1. All dikes shall be compacted by earth-moving equipment.
 2. All dikes shall have positive drainage to an outlet.
 3. Top width may be wider and side slopes may be flatter if desired to facilitate passage by construction equipment.
 4. Earth dikes shall have an outlet that functions with a minimum of erosion. Filter cloth shall be compacted to a minimum thickness of 1/2 inch and a minimum of 1/2 inch shall be embedded in the outlet.
 5. Stabilization shall be (A) IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND FERTILIZER FOR SOILS IF NOT IN BEARING READY, (B) FILL CHANNEL AS PER CHART BELOW.
- | TYPE OF VEGETATION | TYPE A | TYPE B |
|--------------------|----------|-------------------------|
| 1 | 5-3-0.02 | SEED AND STRAW MULCH |
| 2 | 5-3-0.02 | SEED AND STRAW MULCH |
| 3 | 5-3-0.02 | SEED WITH JUTE, OR SOIL |
| 4 | 5-3-0.02 | LINED RIP-RAP 4"-8" |
- 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 a roller. A minimum of 1/2 inch shall be embedded in a layer of at least 1/2 inch thickness and pressed into the soil.
- B. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.



ENGINEER'S CERTIFICATE

I hereby 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.

Gordon L. Berlinsky, P.E.
Date 6-20-89



CONSTRUCTION SPECIFICATIONS FOR ST-7

1. Stone Size - One (1) inch stone, or recycled concrete equivalent.
2. Length - As required, but not less than 10 feet (except on a single residential 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 residential lot.
6. Surface Meter - All surface water flowing or diverted toward construction entrance shall be piped across the entrance. If piping is impractical, a mountable beam with 5/8 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 cleaning 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 trap device.
9. Periodic inspection and needed maintenance shall be provided after each rain.



SEDIMENT & EROSION CONTROL PLAN

Western Elementary School
Village of River Hill
SECTION 1 AREA 2, LOT 1 PARCEL 59
OWNER:
Howard County Board of Education
10910 Route 108
Eillicott City, Maryland 21043

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
Approved: [Signature] Date: 12/21/89
Howard S.C.D.

Reviewed for HOWARD S.C.D. Name: [Signature] and meet Technical Requirements [Signature] Date: 12/21/89
Signature: [Signature]
U.S. Soil Conservation Service



Western Elementary School
Howard County, Maryland

SEYBOLT, GORE, NEWQUIST & BERLINSKY
CIVIL ENGINEERS & LAND SURVEYORS
1000 WASHINGTON BLVD
KENSINGTON, MARYLAND 20895
(301) 948-0000

tca
Thomas Clark Associates Architects
9838 Baltimore Boulevard, Suite 300
Columbia, Park, Maryland 20740
(301) 975-5000

Scale: N/A
Date: 26 JUNE 89
FINAL SUBMITTAL: 4 SHEETS
FINAL SUBMITTAL: 15 SHEETS
Sheet 9 of 14
Project no.: 8810

APPROVED: *[Signature]* 2-14-90
 COUNTY HEALTH OFFICER DATE

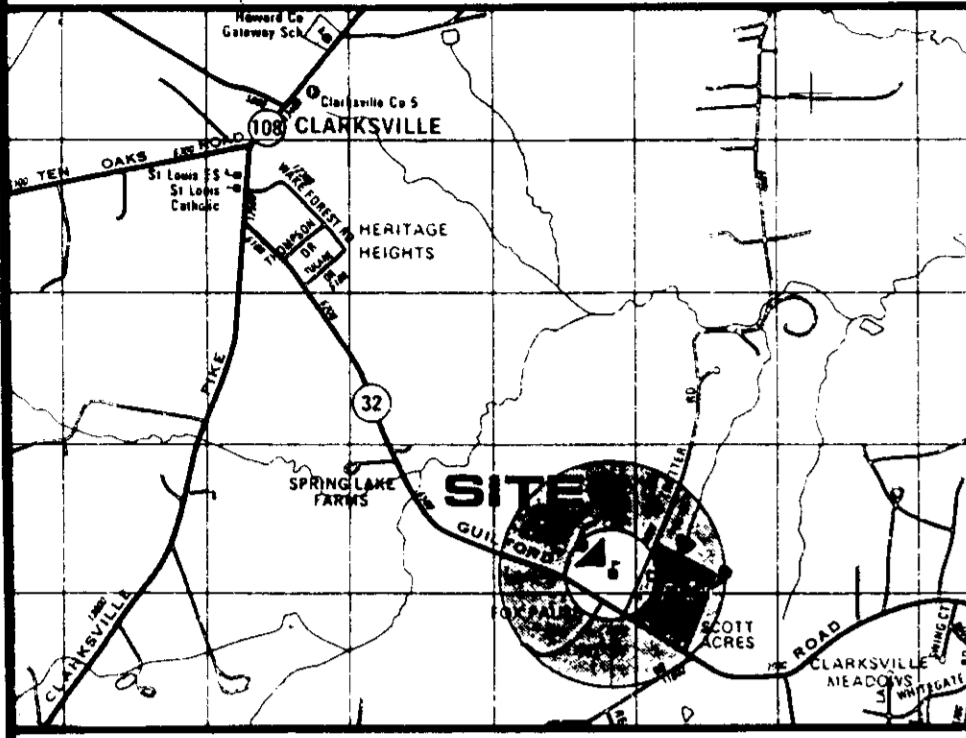
APPROVED: *[Signature]* 3-15-90
 HOWARD COUNTY DEPT OF PLANNING AND ZONING DIRECTOR DATE

APPROVED: *[Signature]* 2/1/90
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

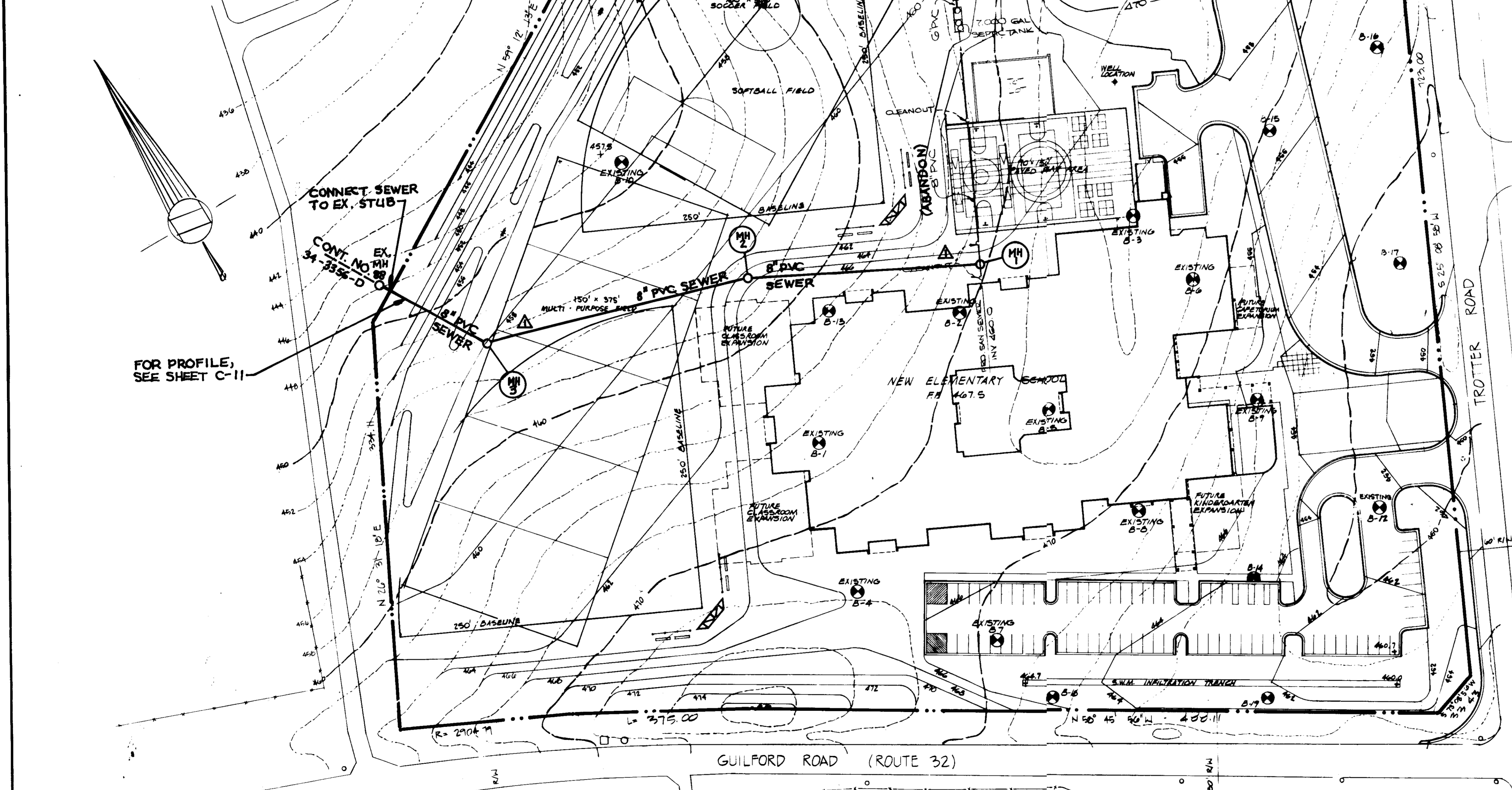
APPROVED: *[Signature]* 10-25-89
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS DATE

APPROVED: *[Signature]* 2/1/90
 DIRECTOR DATE

APPROVED: *[Signature]* 2-1-90
 CHIEF, BUREAU OF ENGINEERING DATE



Vicinity Map



GENERAL NOTES

POPULATION 576 PUPILS
 34 STAFF

TOTAL = 610

DESIGN FLOW (3.25 GPD) (1.25 PEAK) = 4,000 GPD
 MAXIMUM SEWAGE DAILY ALLOCATION = 1,333 GPD
 TANK CAPACITY REQUIRED (VOLUME + 0.75 Q) = 4125 GAL
 TANK CAPACITY PROVIDED = 7000 GAL
 DISTRIBUTION BOXES (3) = 1,000 GAL EA
 PUMP CHAMBER = 2500 GAL
 LINEAL FEET OF INITIAL SYSTEM/TRENCH = 700 LF

SCHOOL KITCHEN IS WARM UP KITCHEN ONLY

- SEPTIC TANK, PUMP CHAMBER & DISTRIBUTION BOXES**
1. CONCRETE SHALL BE 4,000 PSI @ 28 DAYS
 2. REINFORCEMENT SHALL BE (6" x 6") #10 GAUGE WIRE MESH W/ #3 REINFORCEMENT RODS ON 6" CENTERS IN THE TOPS AND #3 REINFORCEMENT RODS 12" ON CENTER IN THE SIDES AND BOTTOM
 3. DISTRIBUTION BOXES SHALL BE WATER ADJUSTED
 4. IF TANK MANUFACTURER'S DIMENSIONS OR SPECIFICATIONS ARE DIFFERENT THAN THOSE SHOWN ON THE PLAN, THE MANUFACTURER'S PLANS AND SPECIFICATIONS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO SHIPPING TO THE SITE.

HOWARD COUNTY BOARD OF EDUCATION PLAT 3541

INSTALLATION OF SEPTIC SYSTEM SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS INCLUDING APPLICABLE ELECTRICAL CODES FOR THE INSTALLATION OF THE PUMP.

INSTALLER OF SEPTIC SYSTEM SHALL BE LICENSED TO PERFORM SUCH WORK IN HOWARD COUNTY, MD. AND SHALL HAVE BEEN ENGAGED IN THE BUSINESS OF SEPTIC SYSTEM INSTALLATIONS OF THE EQUIVALENT SIZE AND COMPLEXITY IN HOWARD COUNTY FOR AT LEAST FIVE YEARS.

SEPTIC SYSTEM INSTALLER SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS BEFORE STARTING WORK AND SHALL OBTAIN ALL REQUIRED CERTIFICATES FOR ACCEPTANCE BY CODE AUTHORITIES AT THE CONCLUSION OF THE WORK.

DISTURBANCE TO THE SURFACE AREA IN SEPTIC FIELD AND FINAL CONDITION OF SURFACE SHALL CONFORM TO REQUIREMENTS OF CODE AUTHORITIES.

SEPTIC SYSTEM PLAN

Western Elementary School
 Village of River Hill
 SECTION 1 AREA 2, LOT 1 PARCEL 59
 OWNER:
 Howard County Board of Education
 10910 Route 108
 Ellicott City, Maryland 21043

REVISIONS		
DATE	NO.	DESCRIPTION
05/07/98	1	PROP. SEWER CONNECTION TO CO. SYSTEM

THIS PLAN TO BE USED FOR SEPTIC SYSTEM CONSTRUCTION ONLY

VP 89-108

SDP-99-278

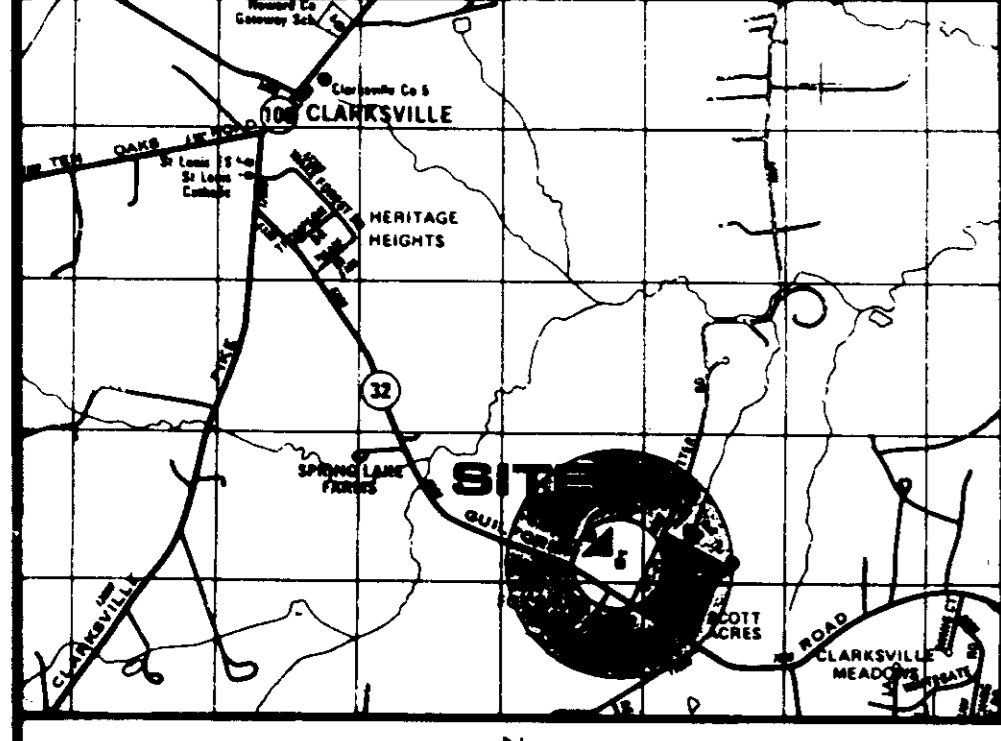
Western Elementary School
 Howard County, Maryland
 Howard County Public School System

SEYBOLT, GORE, NEWQUIST & BERLINSKY
 CIVIL ENGINEERS & LAND SURVEYORS
 NEWINGTON, MARYLAND 20895
 (301) 946-0300

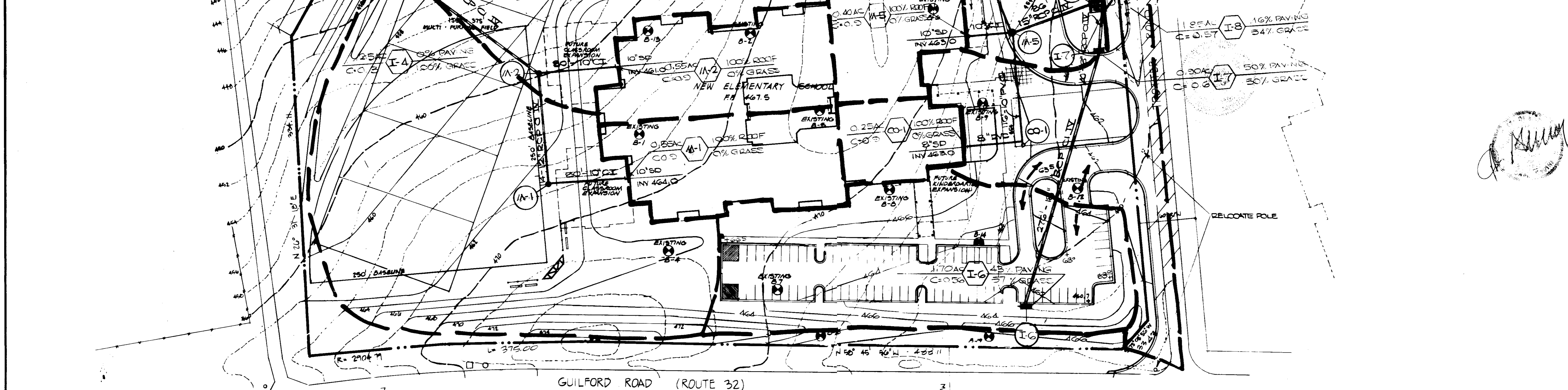
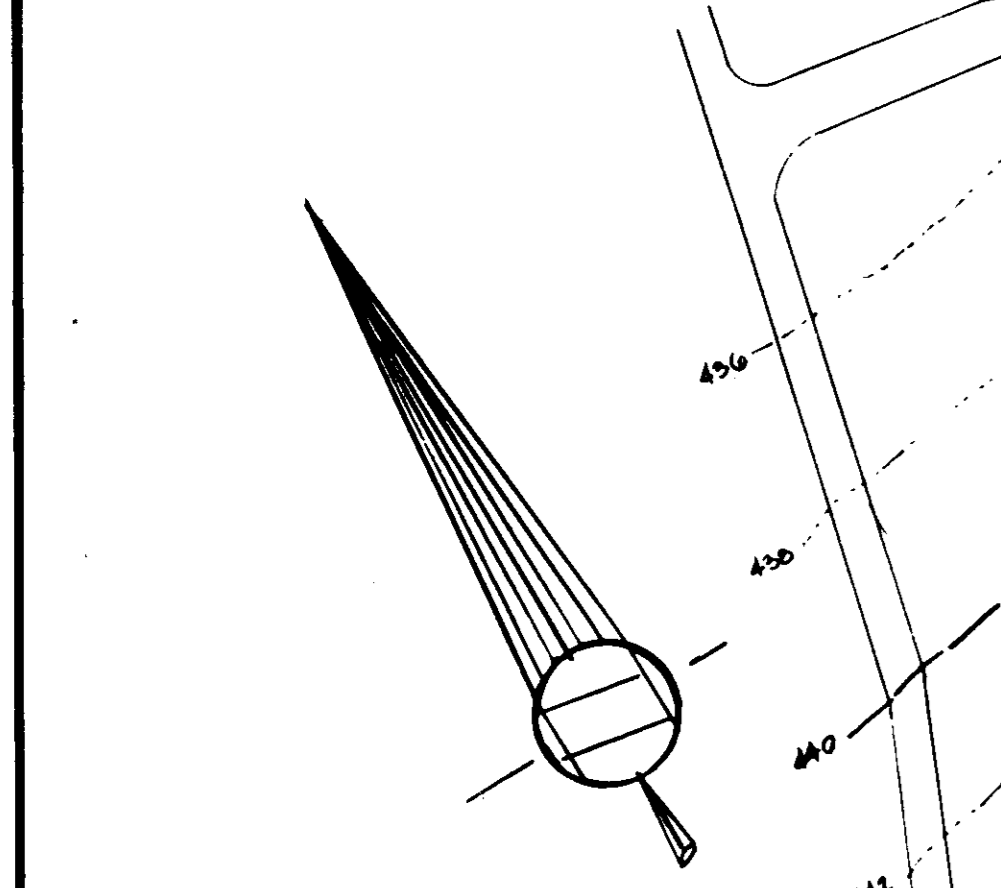
Thomas Clark Associates Architects
 9658 Baltimore Boulevard Suite 300
 College Park, Maryland 20740

Scale: 1" = 50'
 Date: 5/7/98
 2ND SUBMITTAL: 5/7/98
 FINAL SUBM. 7/1/98
C-10
 Sheet of
 project no.:

SEPTIC SEWERAGE SYSTEMS, 7TH DEPARTMENT
 COUNTY HEALTH OFFICER: [Signature] DATE: 2/14/90
 APPROVED: HOWARD COUNTY DEPT OF PLANNING AND ZONING
 DIRECTOR: [Signature] DATE: 3/15/90
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT
 DATE: 1/16/90
 APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 10-25-89
 45
 [Signature] DATE: 3/1/90
 DIRECTOR: [Signature] DATE: 3/1/90
 CHIEF, BUREAU OF ENGINEERING



Vicinity Map



GUILFORD ROAD (ROUTE 32)

DRAINAGE AREA MAP

Western Elementary School
 Village of River Hill
 SECTION 1 AREA 2, LOT 1 PARCEL 59
 OWNER:
 Howard County Board of Education
 10910 Route 108
 Ellicott City, Maryland 21043

Scale: 1" = 50'
 Date: 10/25/89
 2ND SUBMITTAL 1/15/90
 FINAL SUBMITTAL 1/15/90

C-12

Sheet 2 of 2
 Project no.: 82

WP 89-108

Western Elementary School
Howard County, Maryland
 Howard County Public School System

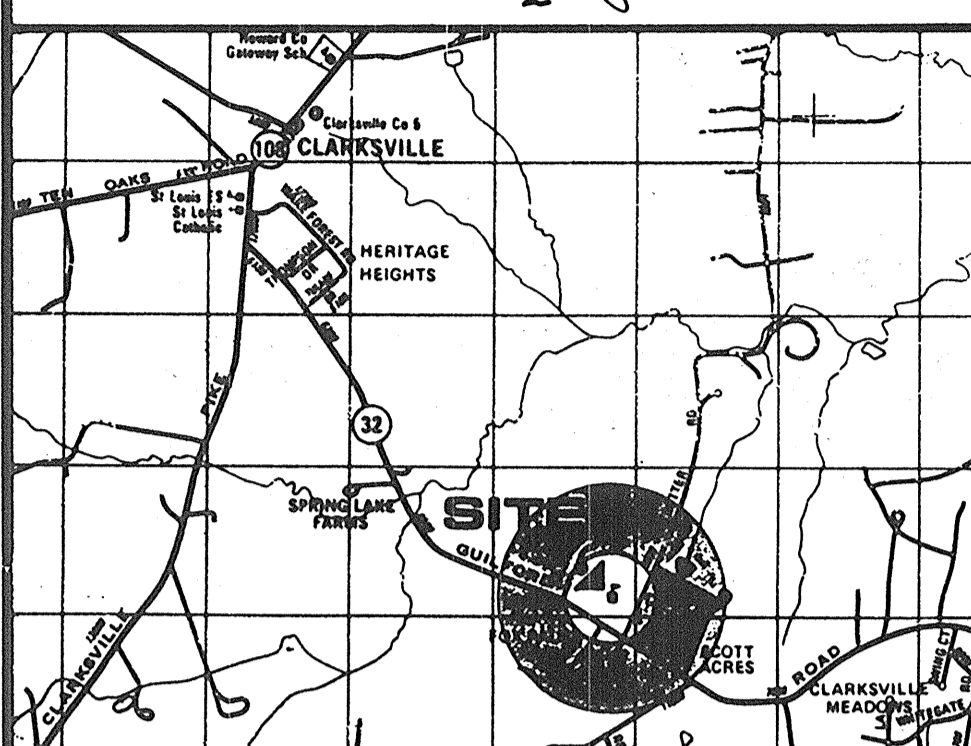
SEYBOLT, GORE, NEWQUIST & BERLINSKY
 CIVIL ENGINEERS & LAND SURVEYORS
 3900 KENNEDY AVENUE, SUITE 200
 ROCKVILLE, MARYLAND 20850
 (301) 584-0000



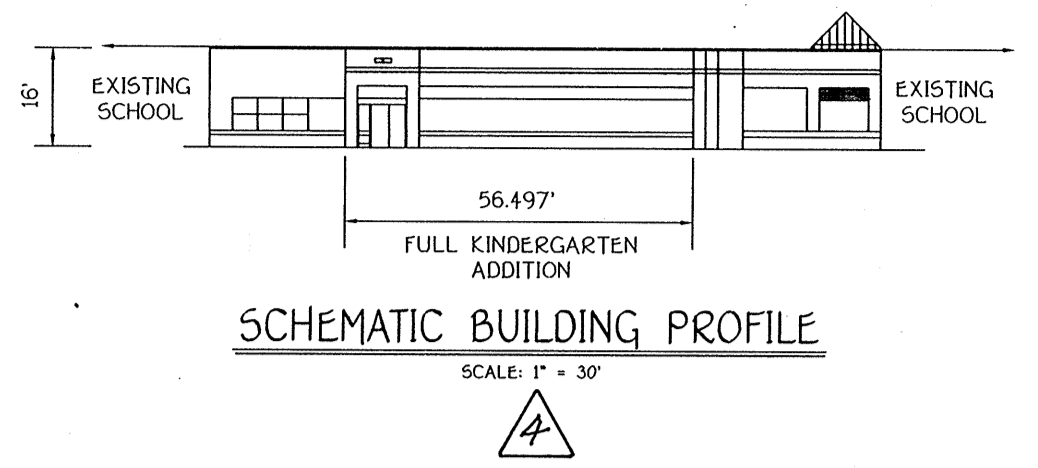
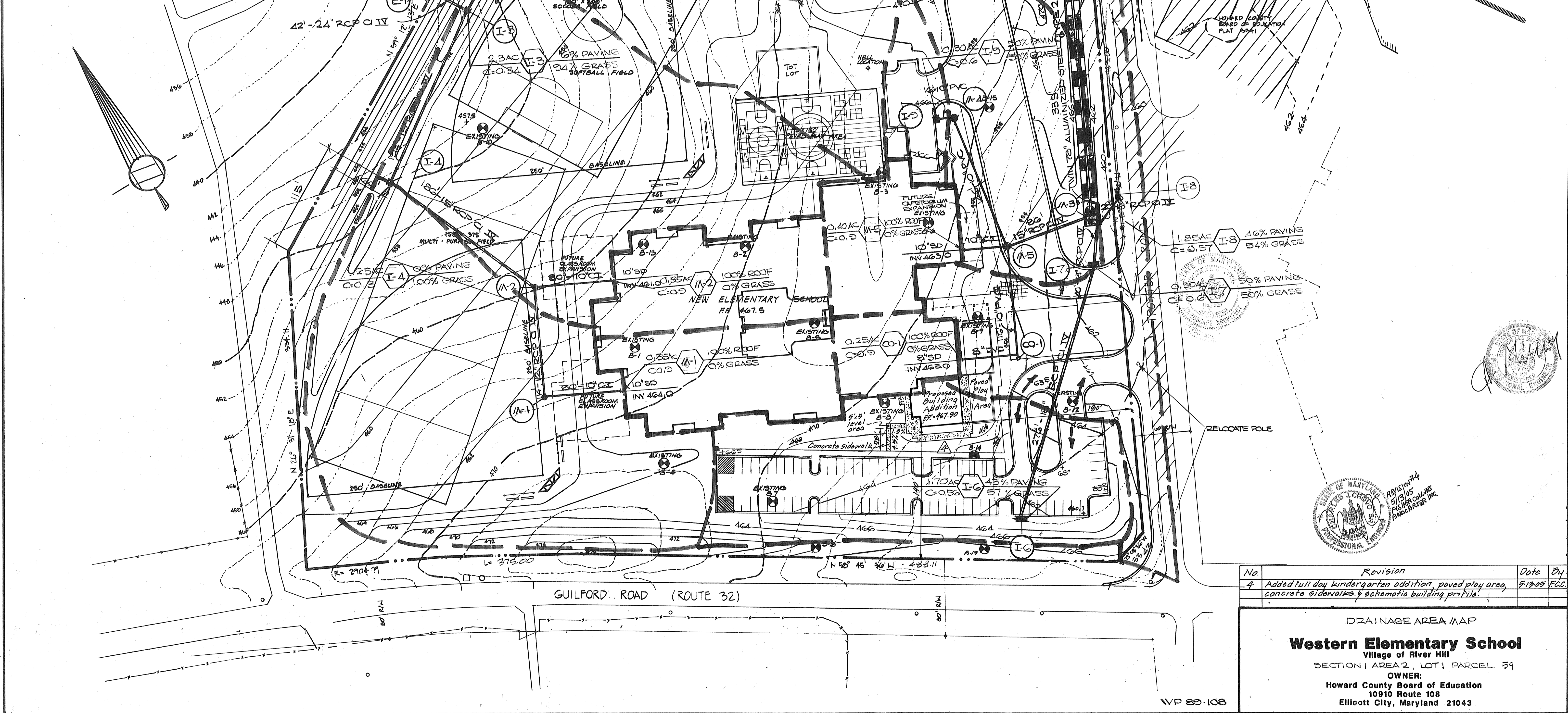
tca
Thomas Clark Associates Architects
 9856 Baltimore Boulevard Suite 300
 College Park, Maryland 20740
 (301) 345-9400

[Handwritten signature]

APPROVED: FOR PRIVATE WATER AND SEPTIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER C.W. [Signature] 2/14/90 DATE
 APPROVED: HOWARD COUNTY, DEPT. OF PLANNING AND ZONING
 DIRECTOR [Signature] 3.15.90 DATE
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT
 APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC WORKS,
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR [Signature] 3/1/90 DATE
 CHIEF, BUREAU OF ENGINEERING [Signature] 3.1.90 DATE



1/4 0 1/4 1/2 Miles
 Vicinity Map



SCHEMATIC BUILDING PROFILE
 SCALE: 1" = 30'

No.	Revision	Date	By
4	Added full day kindergarten addition, paved play area, concrete sidewalks, & schematic building profile.	5/19/05	FCC

DRAINAGE AREA MAP
Western Elementary School
 Village of River Hill
 SECTION 1 AREA 2, LOT 1 PARCEL 59
 OWNER:
 Howard County Board of Education
 10910 Route 108
 Ellicott City, Maryland 21043

Western Elementary School
Howard County, Maryland
 Howard County Public School System

SEYBOLT, GORE, NEWQUIST & BERLINSKY
 CIVIL ENGINEERS & LAND SURVEYORS
 3800 KENNEDY AVENUE, SUITE 200
 KENNESAW, GA 30144

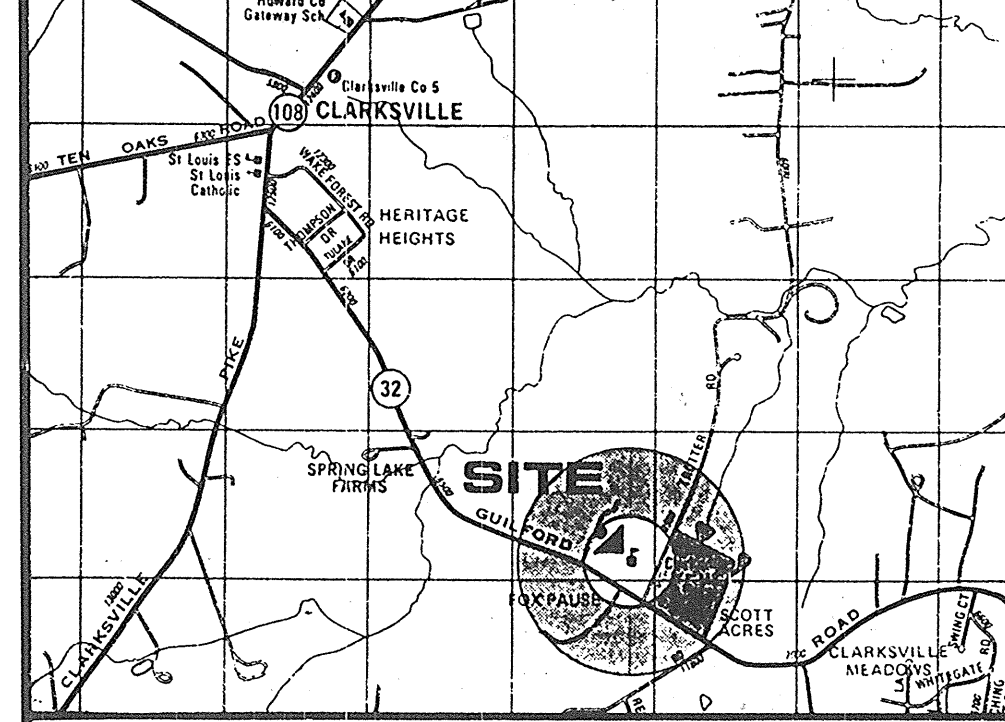


tca
Thomas Clark Associates Architects
 9688 Baltimore Boulevard Suite 300
 College Park, Maryland 20740
 (301) 345-9400

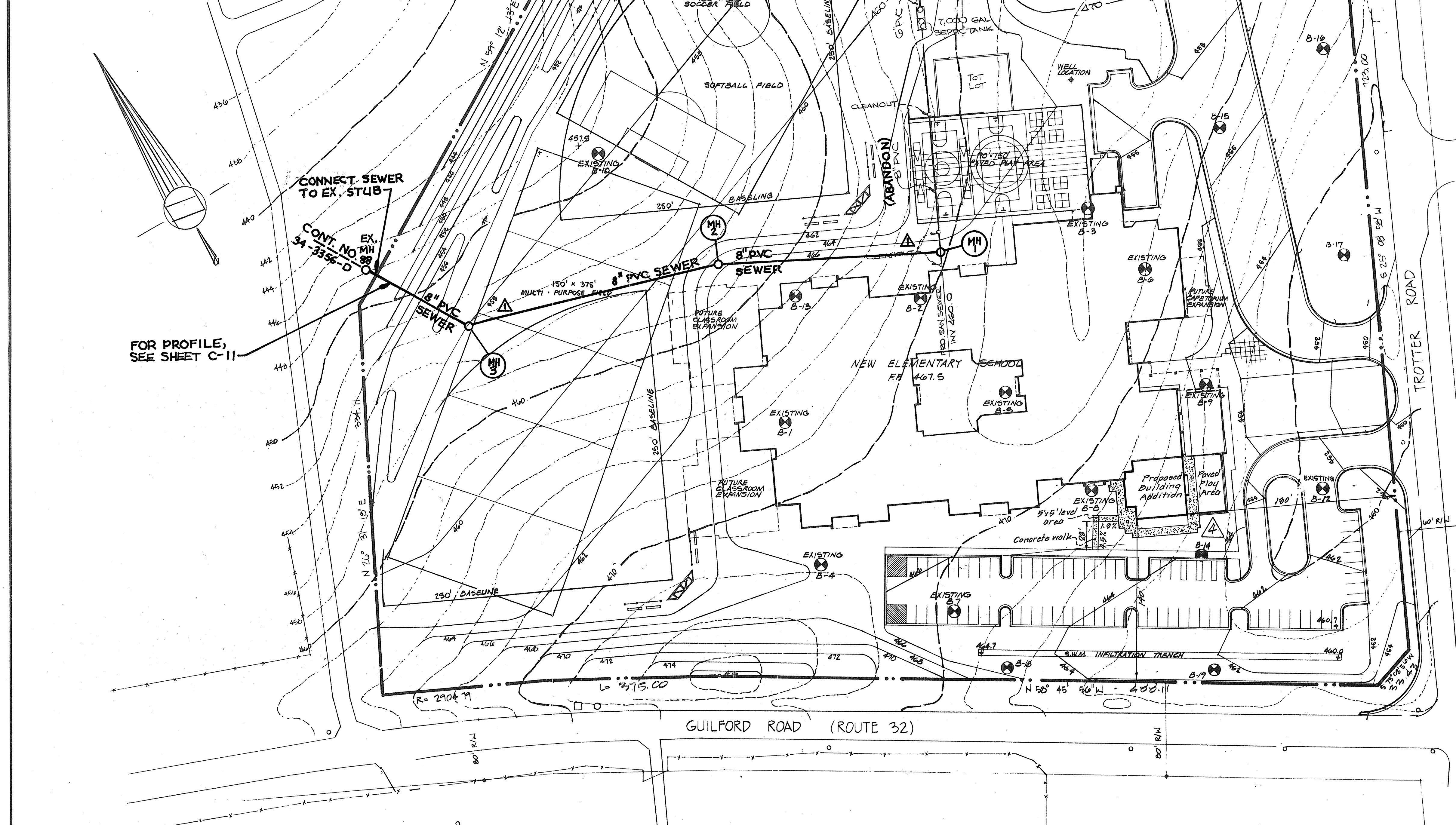
Scale: 1" = 50'
 Date: 26 JUNE 89
 2ND SUBMITTAL: 12 SEPT 89
 FINAL SUBMITTAL: 15 DEC. 89
C-12
 Sheet 12 of 12
 Project no.: 8810

APPROVED: FOR PRIVATE WATER AND SEPTIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: *[Signature]* DATE: 2-14-90
 APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING
 DATE: 3-15-90
 DIRECTOR: *[Signature]* DATE: 2/6/90
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT
 APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS,
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DATE: 10-25-89
 DIRECTOR: *[Signature]* DATE: 3/1/90
 CHIEF, BUREAU OF ENGINEERING: *[Signature]* DATE: 3-1-90

APPROVED
 DATE: 10-25-89
 15



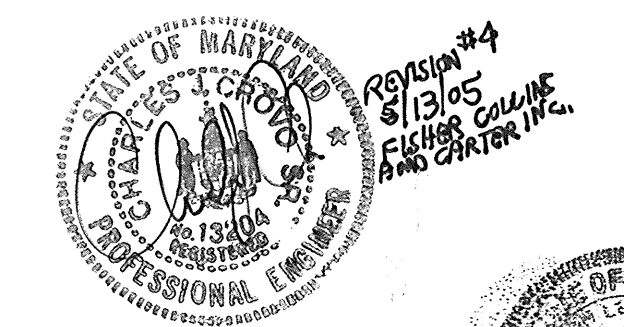
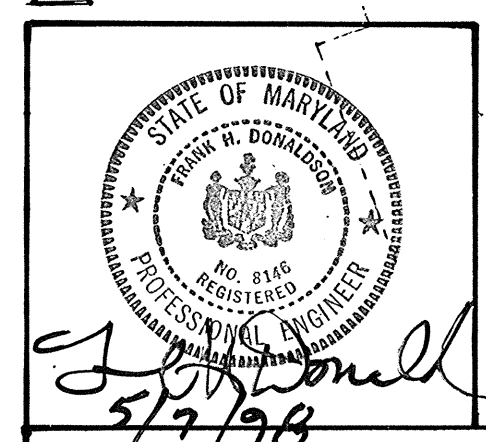
Vicinity Map
 1/4 0 1/4 1/2 Miles



GENERAL NOTES
 POPULATION 576 PUPILS
 34 STAFF
 TOTAL = 610
 DESIGN FLOW (5.25 GPD/GAL) (1.25 PEAK) = 4000 GPD
 MAXIMUM SEWAGE DISCHARGE ALLOCATION = 4000 GPD
 TANK CAPACITY REQUIRED $V = 1.25 + 0.75 Q = 4125$ GAL.
 TANK CAPACITY PROVIDED 7000 GAL.
 DISTRIBUTION BOXES (3) 1,000 GAL EA.
 PUMP CHAMBER 2,500 GAL.
 LINEAL FEET OF INITIAL SYSTEM/TRENCH 700 LF.

SCHOOL KITCHEN IS WARMING KITCHEN ONLY
~~SEPTIC TANK, PUMP CHAMBER & DISTRIBUTION BOXES~~
 1. CONCRETE SHALL BE 4,000 PSI @ 28 DAYS
 2. REINFORCEMENT SHALL BE (2" X 6") #10 GAUGE WIRE MESH
 W/ #3 REINFORCEMENT RODS ON 6" CENTERS IN THE TOPS
 AND #3 REINFORCEMENT RODS 12" ON CENTER IN THE SIDES
 AND BOTTOM
 3. DISTRIBUTION BOXES SHALL BE WATER ADJUSTED
 4. IF TANK MANUFACTURER'S DIMENSIONS OR SPECIFICATIONS
 ARE DIFFERENT THAN THOSE SHOWN ON THE PLAN, THE
 MANUFACTURER'S PLANS AND SPECIFICATIONS SHALL BE
 SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO
 SHIPPING TO THE SITE.

HOWARD COUNTY BOARD OF EDUCATION
 PLAT 25941
 INSTALLATION OF SEPTIC SYSTEM SHALL BE IN ACCORDANCE WITH ALL APPLICABLE
 CODES AND REGULATIONS INCLUDING APPLICABLE ELECTRICAL CODES FOR THE
 INSTALLATION OF THE PUMP.
 INSTALLER OF SEPTIC SYSTEM SHALL BE LICENSED TO PERFORM SUCH WORK IN
 HOWARD COUNTY, MD. AND SHALL HAVE BEEN ENGAGED IN THE BUSINESS OF SEPTIC
 SYSTEM INSTALLATIONS OF THE EQUIVALENT SIZE AND COMPLEXITY IN HOWARD
 COUNTY FOR AT LEAST FIVE YEARS.
 SEPTIC SYSTEM INSTALLER SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS
 BEFORE STARTING WORK AND SHALL OBTAIN ALL REQUIRED CERTIFICATES FOR
 ACCEPTANCE BY CODE AUTHORITIES AT THE CONCLUSION OF THE WORK.
 DISTURBANCE TO THE SURFACE AREA IN SEPTIC FIELD AND FINAL CONDITION
 OF SURFACE SHALL CONFORM TO REQUIREMENTS OF CODE AUTHORITIES.



REVISIONS		
DATE	NO.	DESCRIPTION
05/07/98	1	PROP. SEWER CONNECTION TO CO. SYSTEM
5-10-09	4	Added full day kindergarten addition, paved play area & concrete sidewalks by F.C.C.

SEPTIC SYSTEM PLAN
Western Elementary School
 Village of River Hill
 SECTION 1 AREA 2, LOT 1 PARCEL 59
 OWNER:
 Howard County Board of Education
 10910 Route 108
 Ellicott City, Maryland 21043

THIS PLAN TO BE USED FOR SEPTIC SYSTEM CONSTRUCTION ONLY

VP 89-108

SDP-89-278

Western Elementary School
Howard County, Maryland
 Howard County Public School System

SEYBOLT, CORE, NEWQUIST & BERLINSKY
 CIVIL ENGINEERS
 3830 ANNAWLES AVENUE
 KENNESAW, MARYLAND 20885
 (301) 496-2800

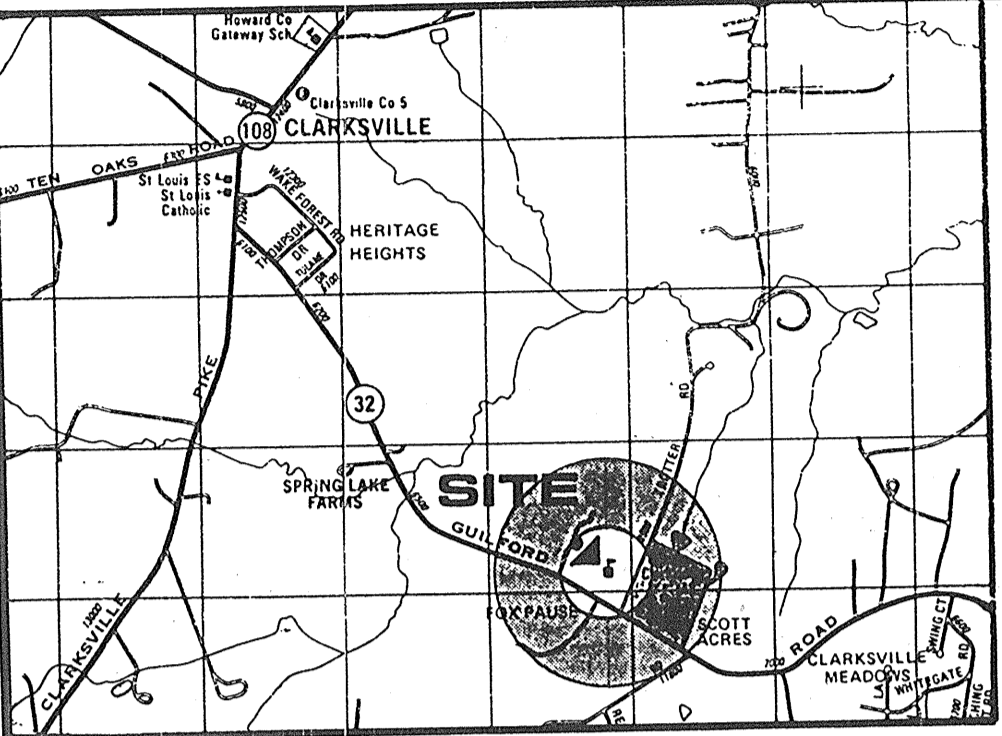
[Signature]

tca
Thomas Clark Associates Architects
 8688 Baltimore Boulevard Suite 300
 College Park, Maryland 20740
 (301) 345-8400

Scale: 1" = 50'
 Date: 26 JUL 89
 2ND SUBMITTAL: 16 SEPT 89
 FINAL SUBMITTAL: 15 DEC 89
C-10
 Sheet 10 of 12
 project no.: 8810

APPROVED FOR PRIVATE WATER AND SEPTIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER *[Signature]* DATE 2-14-90
 APPROVED FOR HOWARD COUNTY DEPT. OF PLANNING AND ZONING
 DIRECTOR *[Signature]* DATE 3-15-90
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT
 APPROVED FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS,
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR *[Signature]* DATE 3-1-90
 CHIEF, BUREAU OF ENGINEERING

APPROVED
 PLANNING DEPT.
 OF HOWARD COUNTY
 DATE 10-25-89
 LS



TRAP NO. 1
 RIP-RAP OUTLET SEDIMENT TRAP PER STANDARD VI

MAXIMUM DRAINAGE AREA	=	8.9 AC
REQUIRED VOLUME	=	16,020 FT ³
PROVIDED VOLUME	=	20,000 FT ³
DESIGN DEPTH	=	4'
BOTTOM ELEVATION	=	443.0
WEIR ELEVATION	=	448.0
WEIR LENGTH	=	10'
CLEANOUT ELEVATION	=	445.4
TOP ELEVATION	=	452.0
BOTTOM DIMENSIONS	=	40' X 100'
SIDE SLOPES	=	2:1

SEDIMENT 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. (992-2437)
- 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.
- Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within: a) 7-calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14-days as to all other disturbed or graded areas on the project.
- 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.
- All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 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.
- 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	15.4 Acres
Total Disturbed Area	4.0 Acres
Area to be Roofed or Paved	3.7 Acres
Area to be Vegetatively Stabilized	11.3 Acres
Total Cut	SEE GRADING PLAN Cu. Yds.
Total Fill	SEE GRADING PLAN Cu. Yds.
Off Site 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 Department of Public Works 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.
- All pipes to be blocked at the end of each day (see detail below).
- The total amount of straw bale dikes/silt fence equals 600LF

TRAP NO. 2 - STONE OUTLET SEDIMENT TRAP PER STANDARD VI

MAXIMUM DRAINAGE AREA	=	4.7 AC
REQUIRED VOLUME	=	8,460 FT ³
PROVIDED VOLUME	=	10,470 FT ³
DESIGN DEPTH	=	3'
BOTTOM ELEVATION	=	455.0
WEIR ELEVATION	=	453.0
WEIR LENGTH	=	20'
CLEANOUT ELEVATION	=	457.0
TOP ELEVATION	=	460.0
BOTTOM DIMENSIONS	=	30' X 35'
SIDE SLOPES	=	2:1 MAX

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 Approved *[Signature]* Date 12/22/89
 Howard S.C.D.

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 erosion and sediment control and that all 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/We also authorize periodic inspection by the Howard Soil Conservation District or their authorized agents as are deemed necessary."

Cathleen Conley Young
Cathleen Conley Young
 Signature of Developer/Builder
 CATHEEN CONLEY YOUNG
 HOWARD CO. PUBLIC SCHOOLS
 Date 12/22/89

ENGINEER'S CERTIFICATE

I hereby 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.

Gordon L. Berlinsky
 Signature
 Gordon L. Berlinsky, P.E.
 Date 12/22/89

Reviewed for NO WORK S.C.D.
 Name
 Date 12/22/89
 Signature
 U.S. Soil Conservation Service

No	Revision	Date	By
1	Added full day kindergarten addition, paved play area, concrete sidewalks & silt fence.	5-13-89	FCG

SEDIMENT & EROSION CONTROL PLAN

Western Elementary School
 Village of River Hill
 SECTION 1 AREA 2, LOT 1 PARCEL 89

OWNER:
 Howard County Board of Education
 10910 Route 108
 Ellicott City, Maryland 21043

THIS PLAN TO BE USED FOR SEDIMENT CONTROLS ONLY

VP 89-108

SDP-89-278

Western Elementary School
 Howard County, Maryland
 Howard County Public School System

SEYBOLT, COPE, NEWQUIST & BERLINSKY
 CIVIL ENGINEERS & LAND SURVEYORS
 3900 KNOWLES AVENUE
 GREENBELT, MARYLAND 20886
 (301) 945-2000

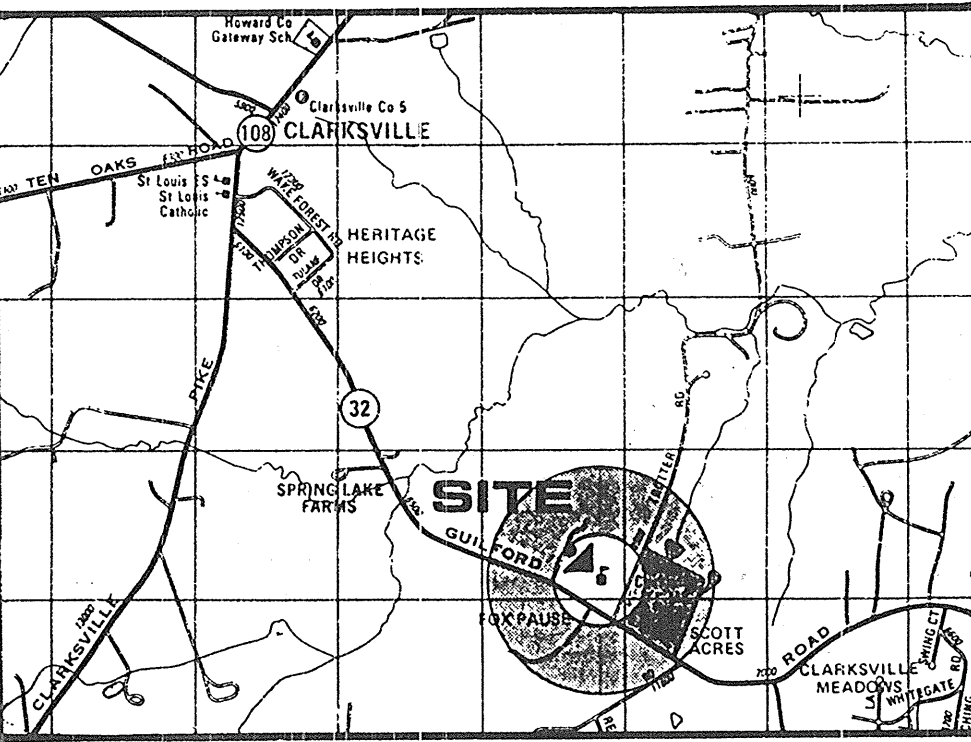
tca
 Thomas Clark Associates Architects
 9658 Baltimore Boulevard Suite 300
 College Park, Maryland 20740
 (301) 245-9400

Scale: 1" = 50'
 Date: 26 JUNE 89
 2ND SUBMITTAL: 12 SEPT 89
 FINAL SUBMITTAL: 15 DEC 89
 Sheet 8 of 12
 Project no.: 8810

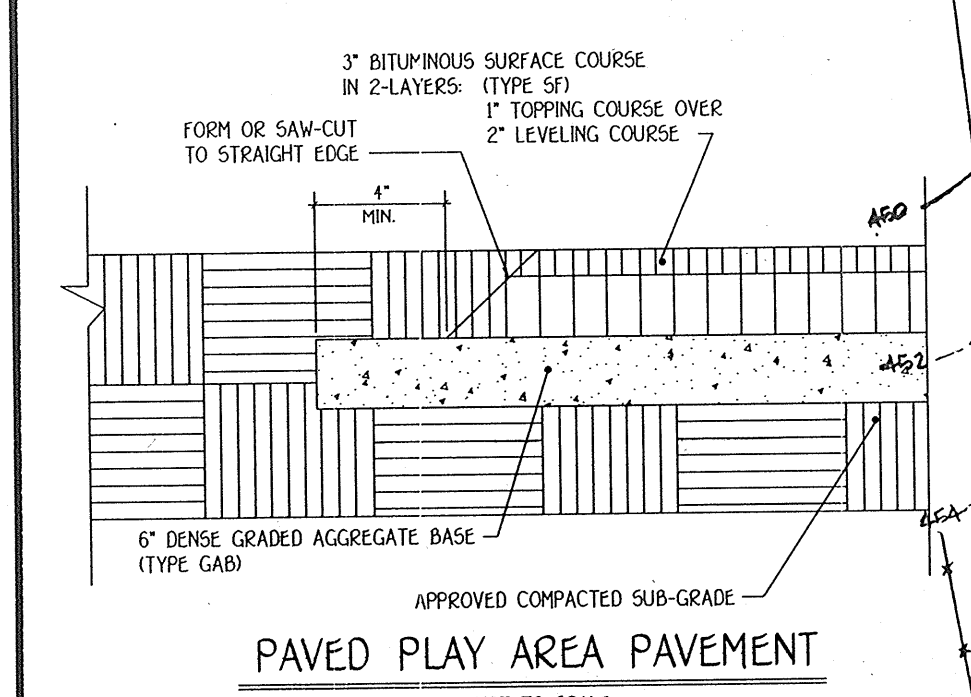
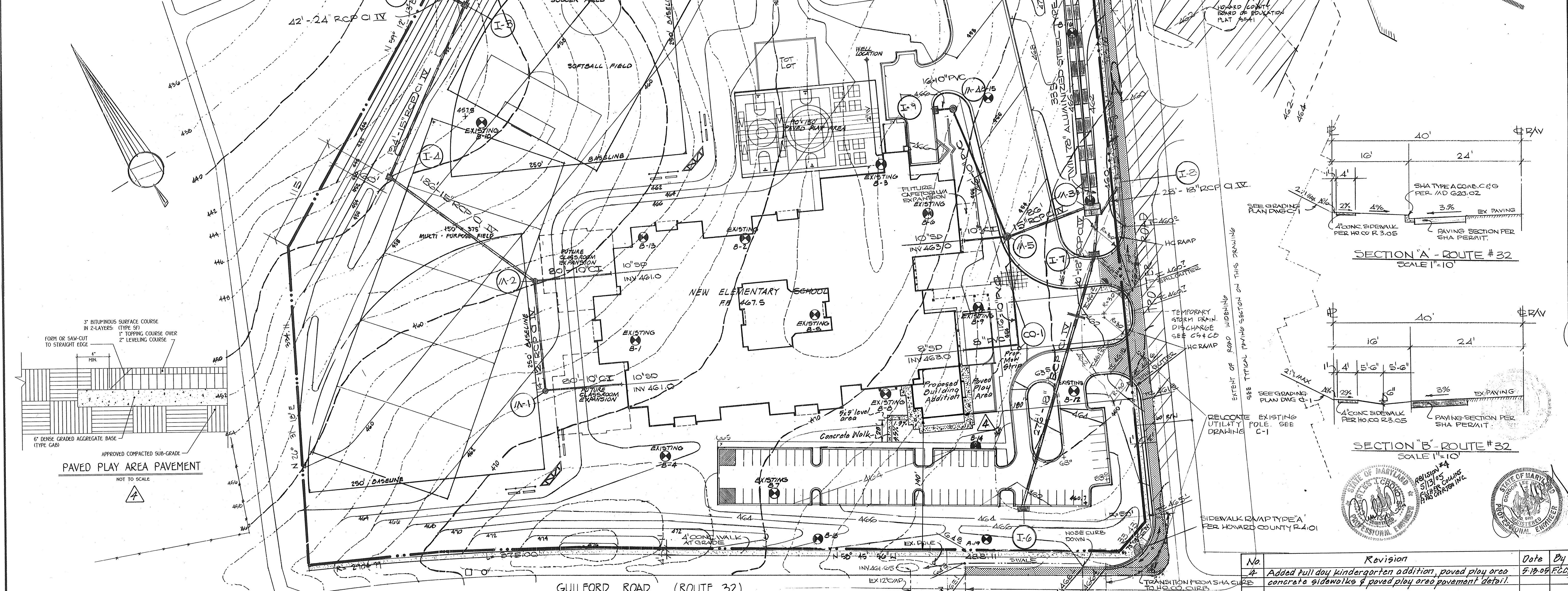
APPROVED: FOR PRIVATE WATER AND SEPTIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER *C.W.* DATE 2-14-90

APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING
 DIRECTOR *[Signature]* DATE 3-15-90

APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS,
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR *[Signature]* DATE 3-1-90
 CHIEF, BUREAU OF ENGINEERING *[Signature]* DATE



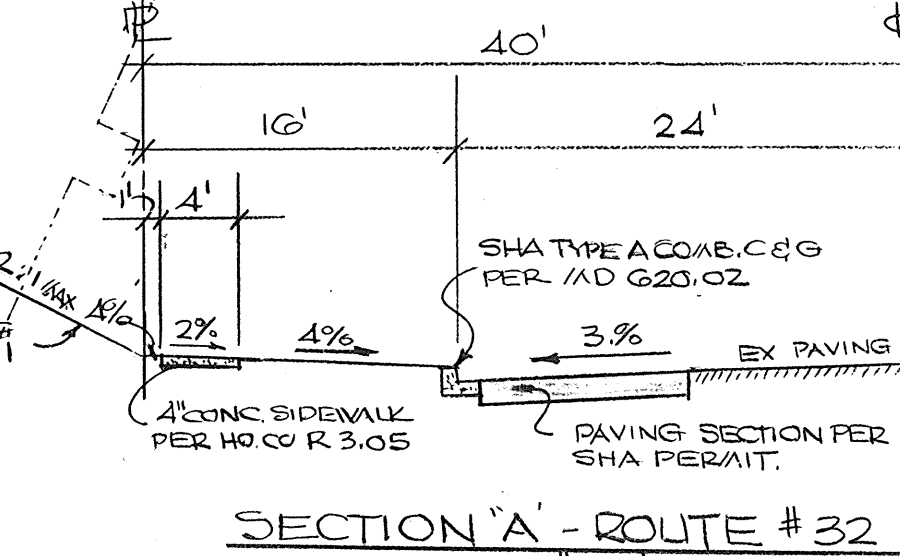
Vicinity Map
 1/4 0 1/4 1/2 Miles



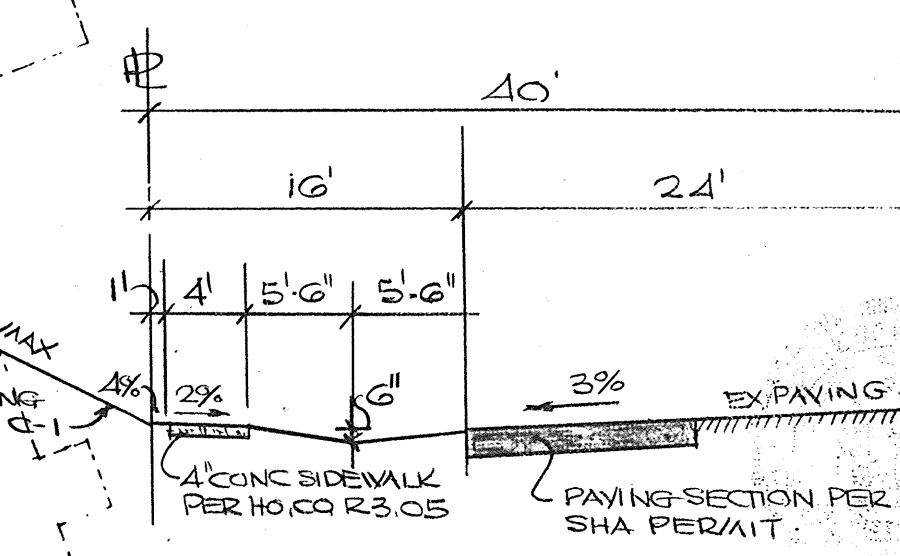
PAVED PLAY AREA PAVEMENT
 NOT TO SCALE



TYPICAL PAVING SECTION
 SCALE: 1/4\"/>



SECTION 'A' - ROUTE # 32
 SCALE 1\"/>



SECTION 'B' - ROUTE # 32
 SCALE 1\"/>

No.	Revision	Date	By
1	Added full day kindergarten addition, paved play area concrete sidewalks & paved play area pavement detail.	5-19-09	ECG

STORM DRAIN & ENTRANCE PLAN
Western Elementary School
 Village of River Hill
 SECTION 1 AREA 2, LOT 1 PARCEL 59
 OWNER:
 Howard County Board of Education
 10910 Route 108
 Ellicott City, Maryland 21043

THIS PLAN TO BE USED FOR SITE UTILITY, ROADWAY IMPROVEMENTS AND ENTRANCE CONSTRUCTION ONLY

Western Elementary School
Howard County, Maryland
 Howard County Public School System

SEYBOLT, GORE, NEWQUIST & BERLINSKY
 CIVIL ENGINEERS & LAND SURVEYORS
 3800 KNOWLES AVENUE
 WASHINGTON, D.C. 20007
 (202) 946-0000

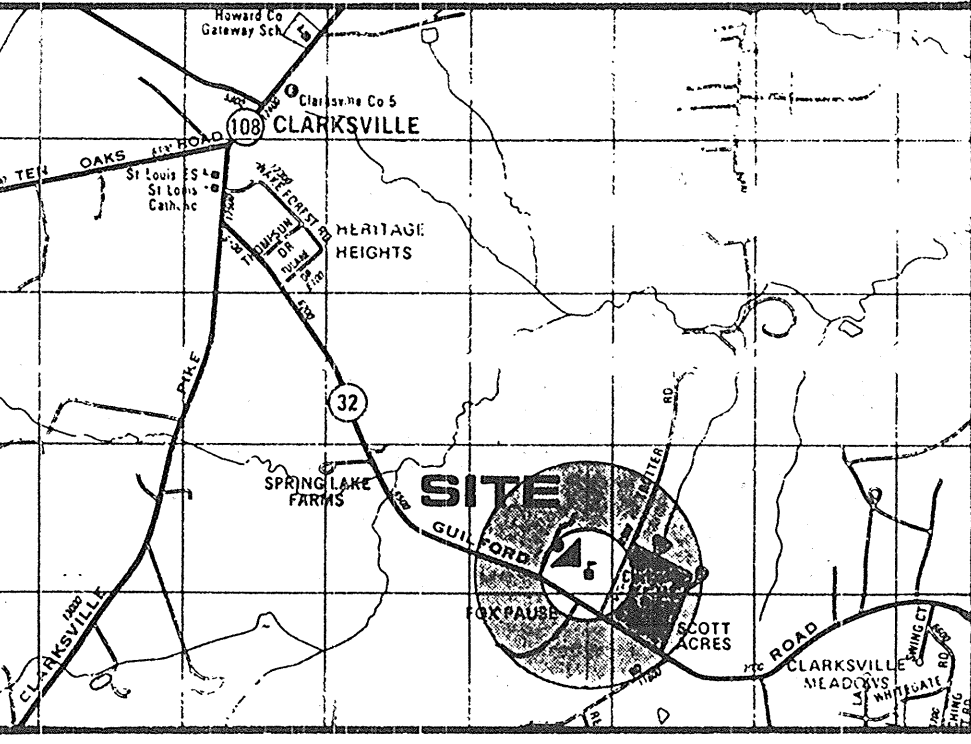
tca
Thomas Clark Associates Architects
 668 Baltimore Boulevard Suite 300
 College Park, Maryland 20740
 (301) 345-9400

Scale: 1"=50'
 Date: 10 JUNE 09
 FINAL SUBMITTAL: 15 SEPT 09
 FINAL SUBMITTAL: 15 DEC 09

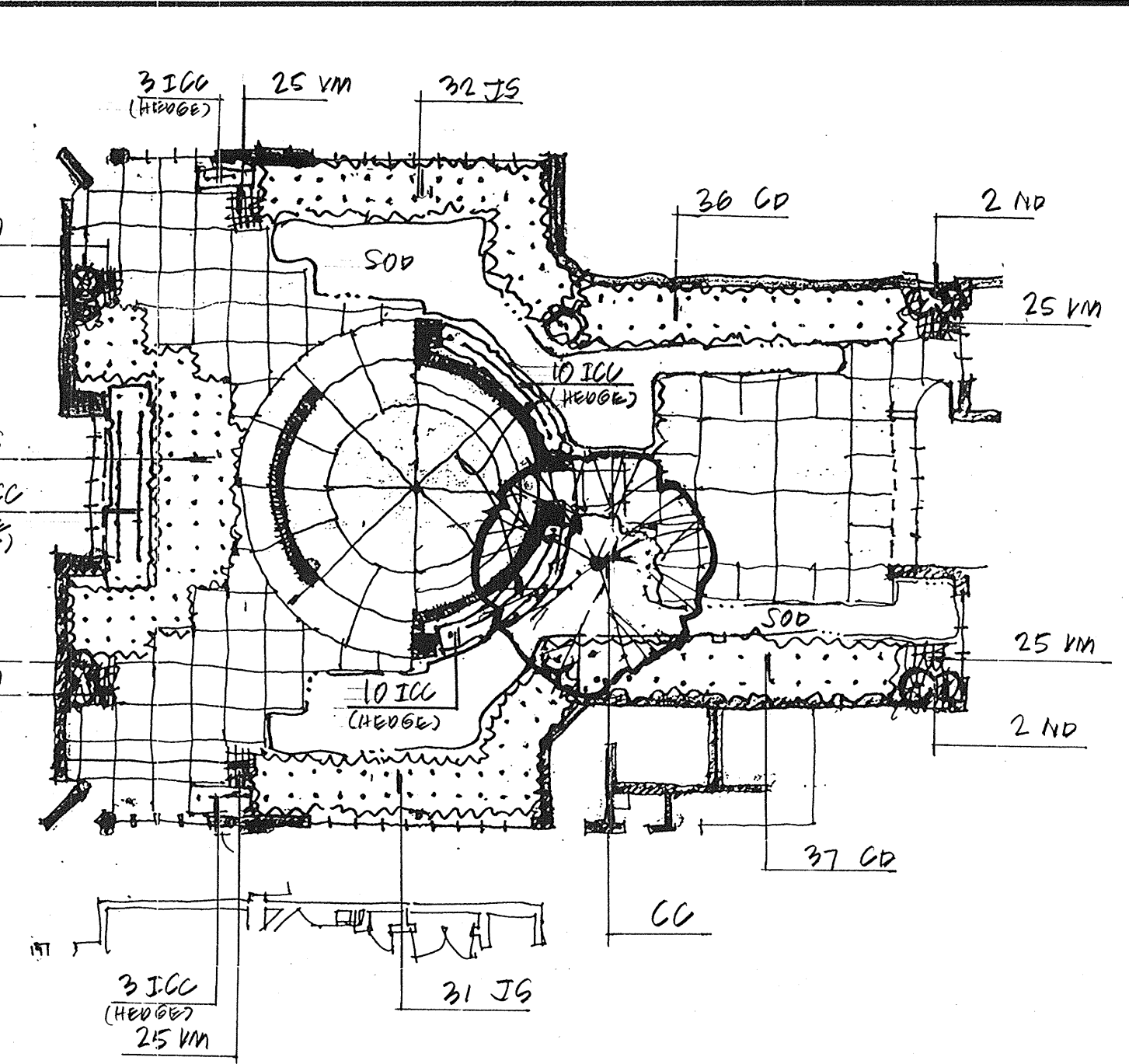
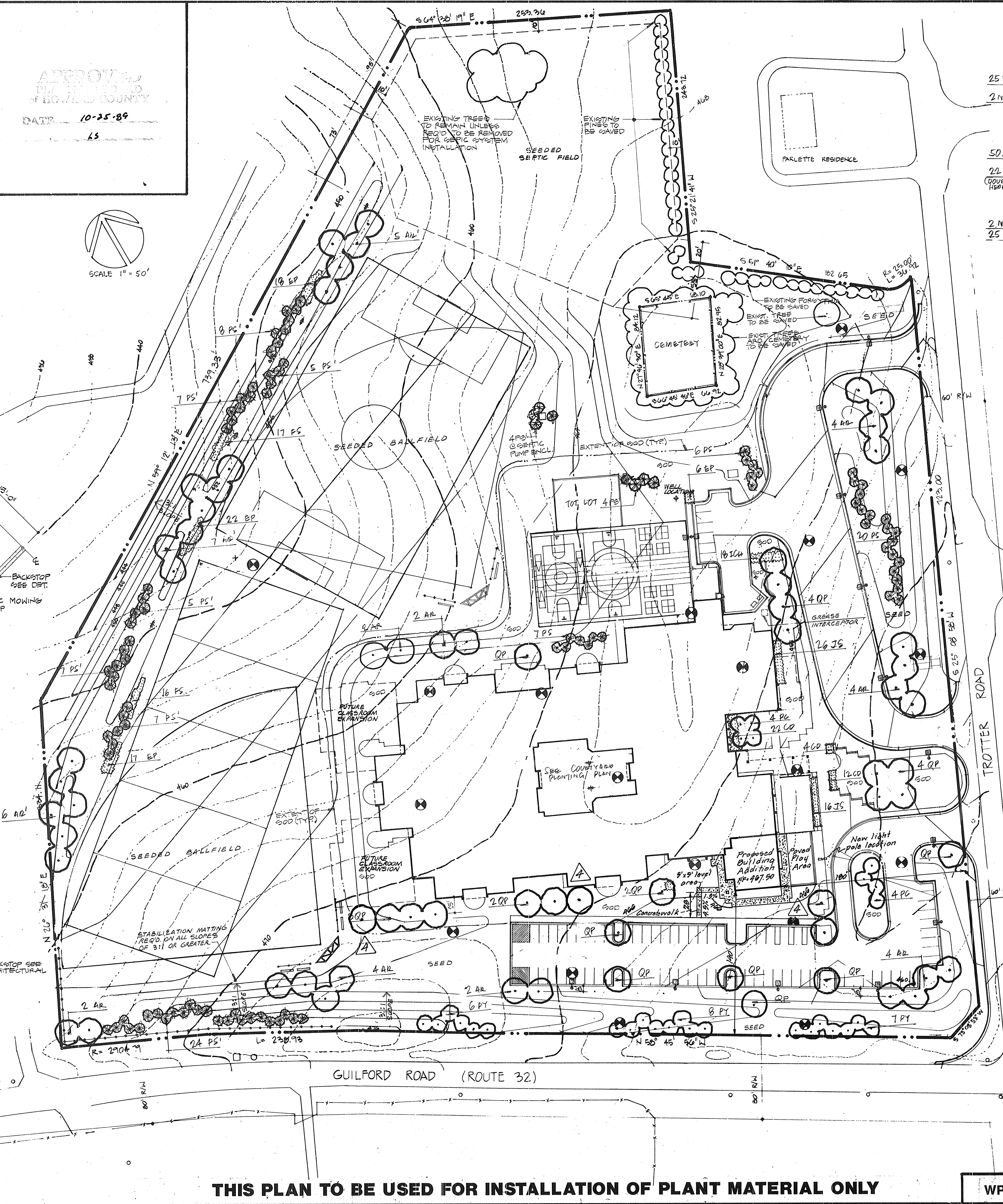
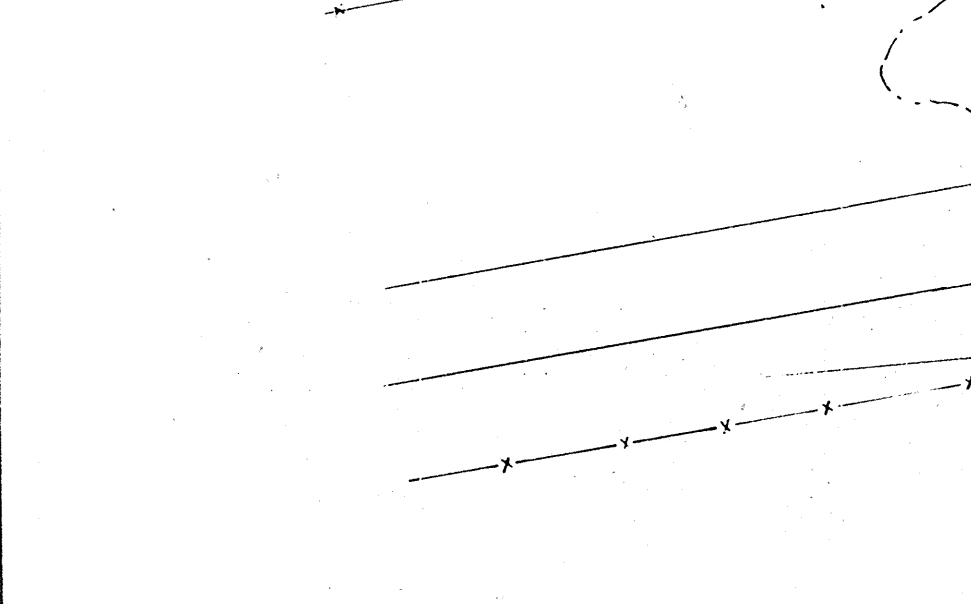
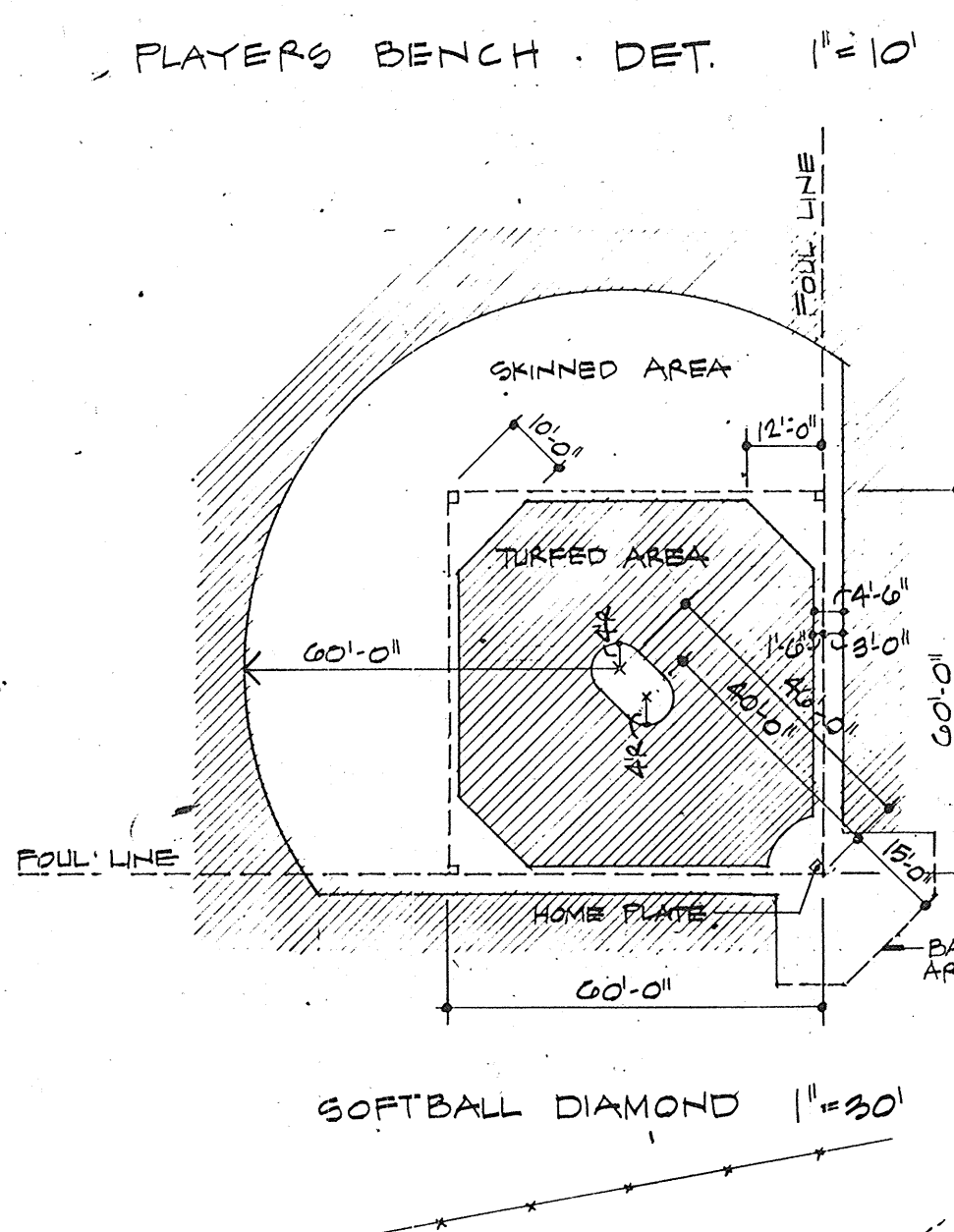
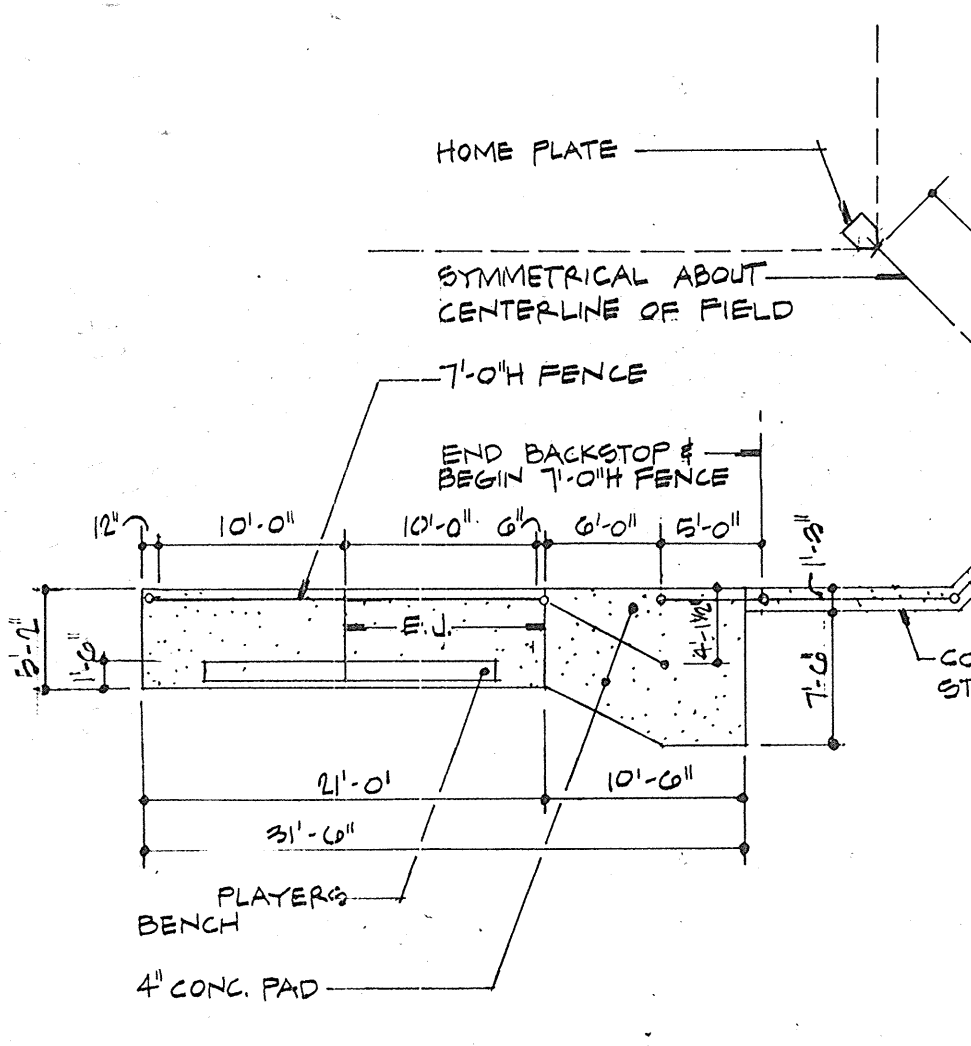
Sheet 4 of 4
 project no.: SDP-89-078

SDP-89-078

APPROVED: FOR PRIVATE WATER AND SEPTIC SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER *[Signature]* DATE 2-14-90
 APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING
 DIRECTOR *[Signature]* DATE 3-15-90
 CHIEF, DIVISION OF COMMUNITY
 PLANNING AND LAND DEVELOPMENT
 APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS,
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR *[Signature]* DATE 3/1/90
 CHIEF, BUREAU OF ENGINEERING *[Signature]* DATE 3-1-90



1/4 0 1/4 1/2 Miles
 Vicinity Map



Courtyard Planting Plan
 Scale: 1/8" = 1'-0"

NOTE: COURTYARD PLANTING IS NOT INCLUDED IN BASE BID. SEE ALTERNATES SECTION OF SPECIFICATIONS. ALL NON PAVED AREAS OF COURTYARD ARE TO BE SOODED IN BASE BID.

Plant List

LET	QTY	PLANT NAME	SIZE & CONDITION
AD	16	4000 RUBBING! OCTOBER GLOWY OCTOBER GLOWY MAPLE	12-14"; 2"-2 1/2" CAL.; B+B
AD	24	4000 RUBBING! OCTOBER GLOWY OCTOBER GLOWY MAPLE	14-16"; 3 1/2"-4" CAL.; B+B
CG	1	CARDINUS CAROLINIANA AMERICAN ROBIN BEAM	12"-14"; B+B SPECIMEN
PC	8	PRUNUS CERASIFERA 'THUNDERCLOUD' PURPLELEAF PLOWERING PLUM	6'-10"; B+B MATCH IN GROUPS
PY	21	PRUNUS YEDOENSIS YOSHINO CHERRY	6'-10"; B+B
QP	25	QUERCUS PHELLOX WILLOW OAK	14-16"; 3 1/2"-4" CAL.; B+B
PS	33	PINUS STROBUS WHITE PINE	6'-8"; B+B
PS	71	PINUS STROBUS WHITE PINE	5'-6"; B+B
CD	125	COTONEASTER DAMMERI 'CORAL BEAUTY' CORAL BEAUTY COTONEASTER	18"-24" CONTAINER
EP	63	EUONYMUS PATENS 'MANHATTAN' SPREADING EUONYMUS	24"-30" - B+B
FS	33	FORSYTHIA SUSPENS WEeping FORSYTHIA	24"-30" - B+B
IGG	48	ILEX CORNATA 'CHEROKEE' CHEROKEE HOLLY	24"-30" - B+B SHEAR TO MAINTAIN
IGH	29	ILEX CORNATA 'HETZI' HETZ HOLLY	24"-30" - B+B
JS	102	JUNIPERUS CHINENSIS 'SARGENTI' SARGENT'S JUNIPER	10"-24" CONTAINER
ND	8	NANDINA DOMESTICA HEAVENLY BAMBOO	10"-24" CONTAINER FULL AND HEAVY
VM	150	VINCA MINOR PEARL VINEL	2 1/4" PEAT POTS 6" O.C.

- Planting Notes:
- All plant material shall be full and heavy and conform to A.A.H. specifications. Trees shall be matched in groups.
 - All areas disturbed in construction not receiving planting or plant material shall be seeded or sodded as shown with specified seed mix.
 - All existing trees shall be protected during construction. UNLESS NOT INDICATED TO BE SAVED
 - Plant quantities are provided for contractor's convenience. If discrepancies exist between the Plan and the Plant List, the quantities shown on the Plan take precedence.
 - Any proposed substitutions shall be made prior to bidding.
 - Project will be inspected by Landscape Architect.
 - This Plan to be used for planting only.
 - Verify locations of underground utilities before planting.

No.	Revision	Date	By
4	Added full day kindergarten addition, paved play area, concrete sidewalks & relocated 2 landscaping trees	5/19/05	F.G.O.

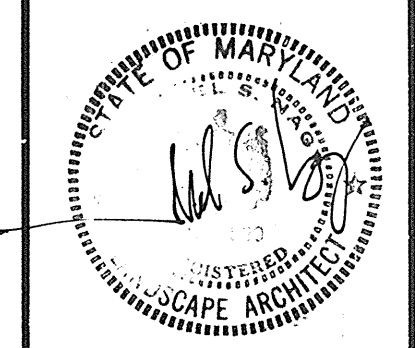
THIS PLAN TO BE USED FOR INSTALLATION OF PLANT MATERIAL ONLY

WP-89-108

Western Elementary School
 Village of River Hill
 SECTION 1, AREA 2, LOT 1, PARCEL 59
 OWNER:
 Howard County Board of Education
 10910 Route 108
 Ellicott City, Maryland 21043

Western Elementary School
Howard County, Maryland
 Howard County Public School System

KIDJIFF NAGY • LANDSCAPE ARCHITECTS
 10726 Baltimore Avenue, Beltsville, MD 20705
 (301) 595-4955
 Land Planning • Landscape Architecture • Park and Recreation Planning



Thomas Clark Associates Architects
 8658 Baltimore Boulevard Suite 300
 College Park, Maryland 20740
 (301) 345-9400

Scale: 1" = 50'
 Date: 26 JUNE 89
 2ND SUBMITTAL: 12 SEPT 89
 FINAL SUBMITTAL: 15 DEC 89
C-2
 Sheet 2 of 12
 project no.: 8810

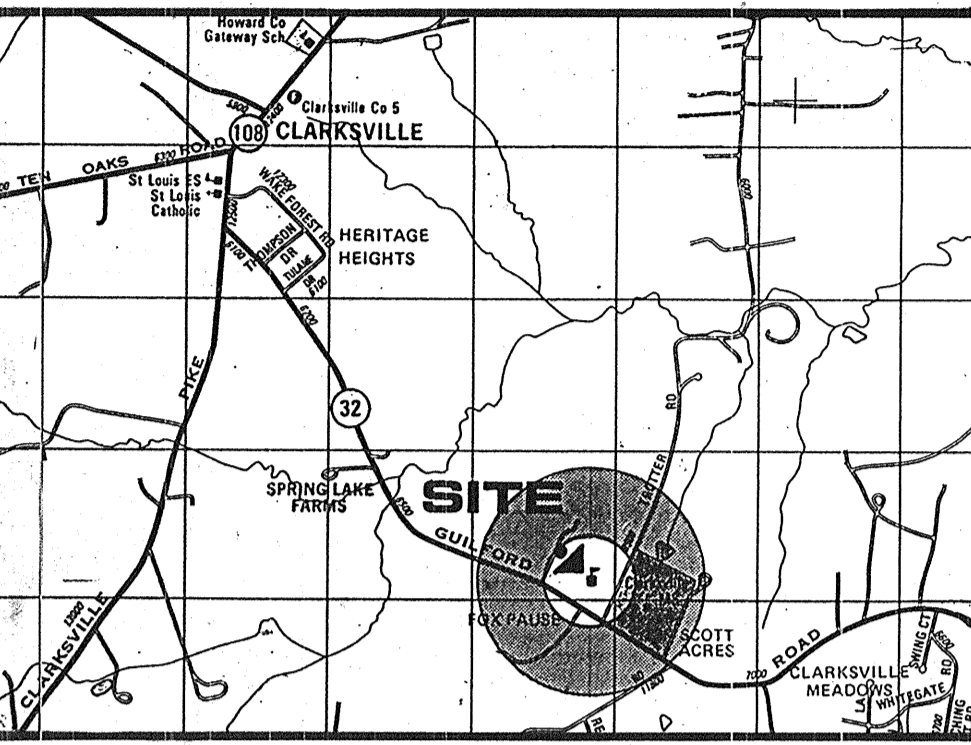
APPROVED: FOR PRIVATE WATER AND SEPTIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER: *c.w.* DATE: 2-14-90

APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING
DATE: 3-15-90

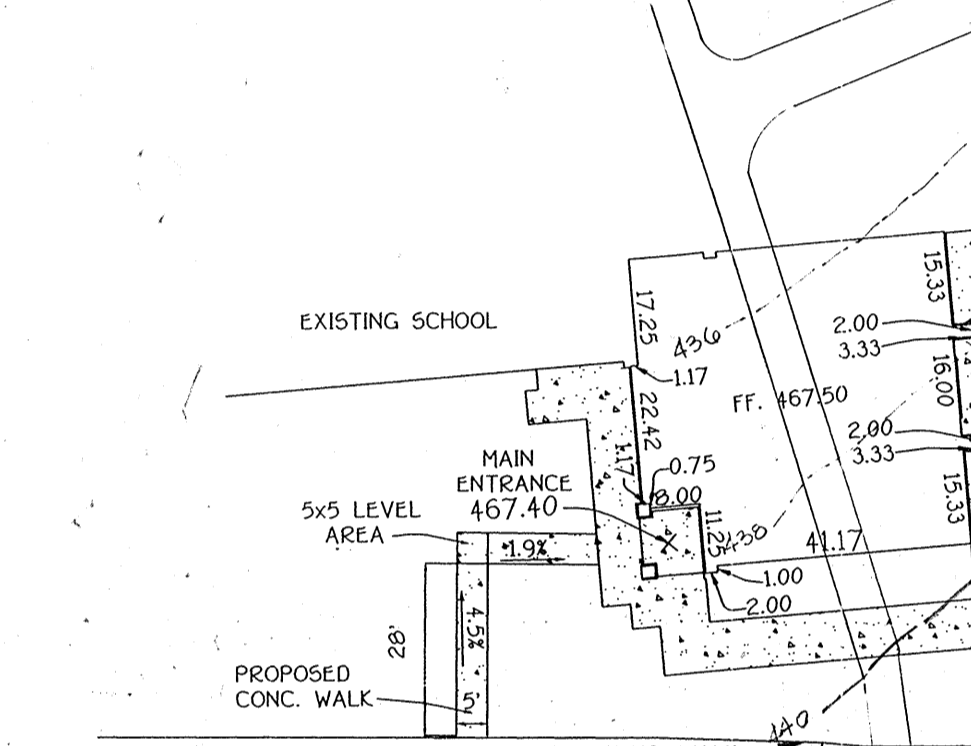
DIRECTOR: *[Signature]* DATE: 3-15-90
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS,
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE: 3-1-90
CHIEF, BUREAU OF ENGINEERING

APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING
DATE: 10-25-89



Vicinity Map



HANDICAPPED ACCESS AND BUILDING DETAIL

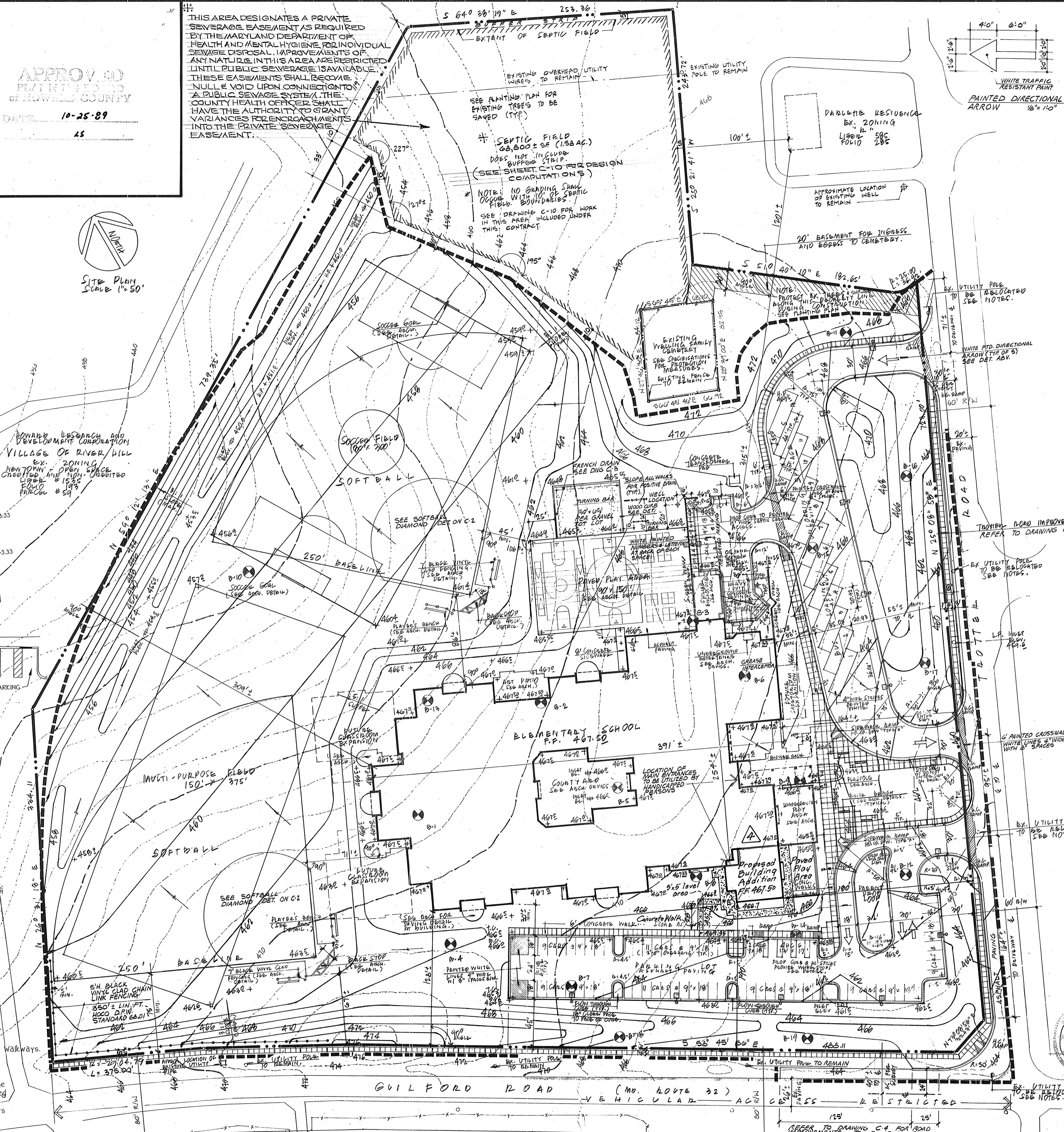


Index of Drawings

- C-1 site work
- C-2 SITE GRADING PLAN
- C-3 PLANTING PLAN
- C-4 SITE DETAILS AND NOTES
- C-5 STORM DRAIN AND ENTRANCE PLAN
- C-6 STORM DRAIN PLAN AND PROFILES
- C-7 STORM DRAIN PROFILES
- C-8 STORM WATER MANAGEMENT WATER QUALITY DETAILS
- C-9 SEDIMENT AND EROSION CONTROL PLAN
- C-10 SEPTIC SYSTEM PLAN
- C-11 SEPTIC SYSTEM DETAILS
- C-12 DRAINAGE AREA MAP

FULL DAY KINDERGARTEN ADDITION CONSTRUCTION SEQUENCE

1. Obtain grading permit.
2. Install Sediment Control measures and receive permission from the Sediment Control Inspector to proceed without grading for the Full Day Kindergarten Addition.
3. Construct Full Day Kindergarten Addition Play Area And Walkways.
4. Upon Completion Of fine grading, All disturbed areas shall be stabilized immediately.
5. When the contributing areas to the sediment Control devices have been stabilized and with permission of the sediment Control Inspector the devices may be removed and these disturbed areas stabilized.
6. Notify Howard County Office Of Inspections And permits For Final Inspection.



SITE ANALYSIS:

1. AREA OF PARCEL	15.4 ACRES ON 670,824 SQ. FT.
2. ZONING	NEW TOWN - OPEN SPACE
3. PROPOSED USE	DEDICATED AND NON-DEDICATED PUBLIC ELEMENTARY SCHOOL
4. FLOOR AREA	72,223 SQ. FT.
5. BUILDING HEIGHT	1 STORY - 28' (PER BOCA)
6. PARKING SPACES REQUIRED	80 CARS 1/2 BUSES (PER HOWARD COUNTY SCHOOL SPECIFICATIONS)
7. PARKING SPACES PROVIDED	87 SPACES TOTAL 4 HANDICAPPED 16 REGULAR SPACES
8. BUS LOADING SPACES PROVIDED	13 @ 12' x 44'
9. OPEN SPACE	101,900 OR 544,725 SQ. FT.
10. BUILDING COVERAGE	10.8%
11. FINAL DEVELOPMENT PLAN	FO'1 - 207
12. AREA OF PAVED PARKING	39,648 SQ. FT. OR .91 AC.

LEGEND

1. CONTOUR INTERVAL	2 FEET
2. EXISTING CONTOURS	400
3. PROPOSED CONTOURS	400
4. PROPOSED SPOT ELEVATIONS	+4663
5. EXISTING PAVING	
6. PROPOSED STANDARD 6" COMBINATION CURB AND GUTTER	
7. LIMIT OF WORK LINE*	
8. CONCRETE WALK SINGLE LINE INDICATES SCREED JOINT DOUBLE LINE INDICATES EXPANSION JOINT	
9. 6" BLACK VINYL CLAD FENCE (UNLESS NOTED AS 8")	
10. PROBING LOCATIONS	B-12
11. LIGHT POLES (SEE ELECTRICAL PLAN FOR EXACT LOCATIONS)	
12. DIRECTION OF DRAINAGE	

* NOT INCLUDING WORK AREAS FOR SEPTIC SYSTEM INSTALLATION, SEE DRAWING C-10.

GRADING QUANTITIES

CUT REQUIRED	41,500 CU. YDS.
FILL REQUIRED	28,000 CU. YDS.
TOTAL CUT REQUIRED TO BALANCE SITE	14,500 CU. YDS.

NOTE: GRADING QUANTITIES ARE APPROXIMATE AND SHOULD NOT BE USED FOR BIDDING PURPOSES. CONTRACTOR SHALL PERFORM INDEPENDENT EARTHWORK CALCULATIONS PRIOR TO BIDDING. THE ARCHITECT ASSUMES NO RESPONSIBILITY FOR THE ABOVE FIGURES. ALL ACTUAL EARTHWORK, IMPORTED FILL, ETC. REQUIRED TO ACHIEVE FINISH GRADES SHALL BE INCLUDED IN BASE BID.

CLARKSVILLE MIDDLE SCHOOL
HOWARD COUNTY BOARD OF EDUCATION
PLAT 3541
EX. ZONING

- NOTES:**
1. CONTRACTOR SHALL COORDINATE NECESSARY UTILITY POLE RELOCATION WITH APPROPRIATE UTILITY COMPANIES. THIS WORK SHALL BE PERFORMED IN CONJUNCTION WITH TROTTER ROAD IMPROVEMENTS. CONTRACTOR SHALL BEAR ANY AND ALL COSTS OR CHARGES ASSOCIATED WITH THE UTILITY POLE RELOCATION.
 2. A WATERMETER SHALL BE INSTALLED ON THE INCOMING SUPPLY LINE TO THE BUILDING.
 3. BUILDING DIMENSIONS SHOWN ON THIS SITE AND GRADING PLAN ARE APPROXIMATE. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS AND LAYOUT.
 4. TROTTER ROAD, GUILFORD ROAD IMPROVEMENTS AND DELIVERY ENTRANCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS STANDARDS. SEE DRAWING C-4.
 5. TOPOGRAPHIC AND BOUNDARY INFORMATION PROVIDED BY MTH DEVELOPMENT ENGINEERS, INC. SUITE 231 HARPER CHOICE VILLAGE CENTER, 5405 HARPER'S FARM ROAD, COLUMBIA, MD. 21046. STUDY DATED 31 JANUARY 1989.
 6. BUILDING IS FULLY SPRINKLERED.

ADDRESS CHART

LOT NUMBER	STREET ADDRESS
Lot 1	6600 Trotter Road

Subdivision Name	Section/Area	Parcel #
Western Elementary School	1 1 2	P/O 59 / LOT 1
Plat # or L/F	Block #	Tax/Zone Map Elec. Dist. Census Tr.
8922	19	NT-25 35 574 6053.01
Water Code	N/A	Sewer Code
		N/A

Site Development Plan
Western Elementary School
Village of River Hill
SECTION 1, AREA 2, LOT 1, PARCEL 59
OWNER:
Howard County Board of Education
10910 Route 108
Elliott City, Maryland 21043

Revision

No.	Description	Date	By
1	Added Full Day Kindergarten addition, paved play area, concrete sidewalk, handicap access & building detail, & construction sequence, revised site analysis info	5-19-05	FBC

APPLICABLE FILES:
FDP-207, S-89-63,
PB-253, F-90-10,
WP-89-108

Western Elementary School
Howard County, Maryland
Howard County Public School System

KILDFE NAGY-LANDSCAPE ARCHITECTS
10726 Baltimore Avenue Beltsville, MD 20705
(301) 595-4955
Land Planning - Landscape Architecture - Park and Recreation Planning

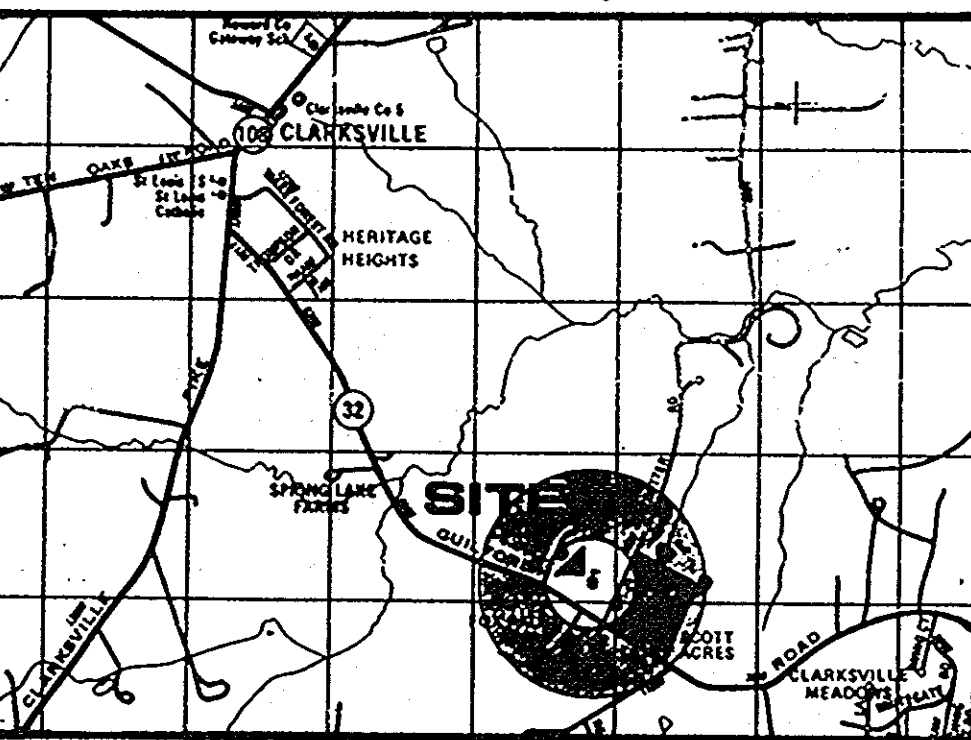
tca
Thomas Clark Associates Architects
9656 Baltimore Boulevard, Suite 300
College Park, Maryland 20740
(301) 345-8400

Scale: 1" = 50'
Date: 26 JUNE 89
2ND SUBMITTAL: 11 SEPT 89
FINAL SUBMITTAL: 15 DEC 89
C-1
Sheet 1 of 12
Project no.: 8810

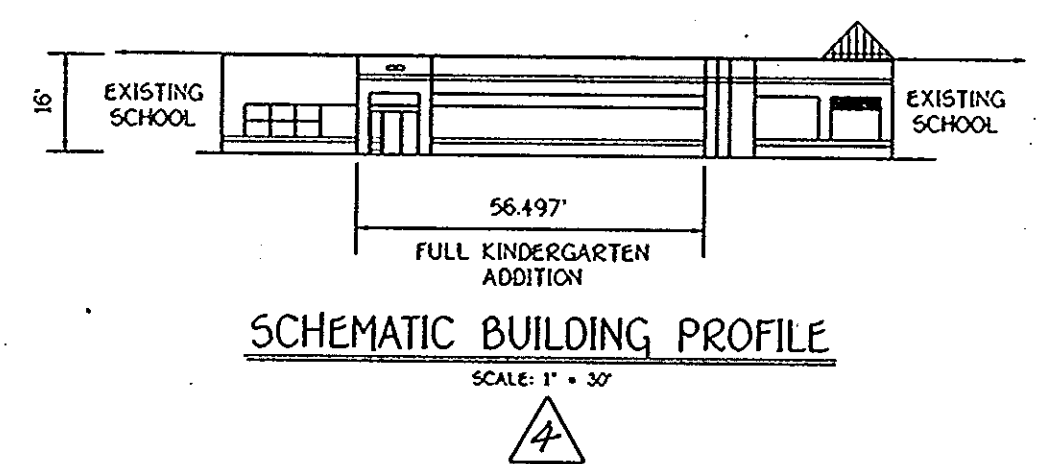
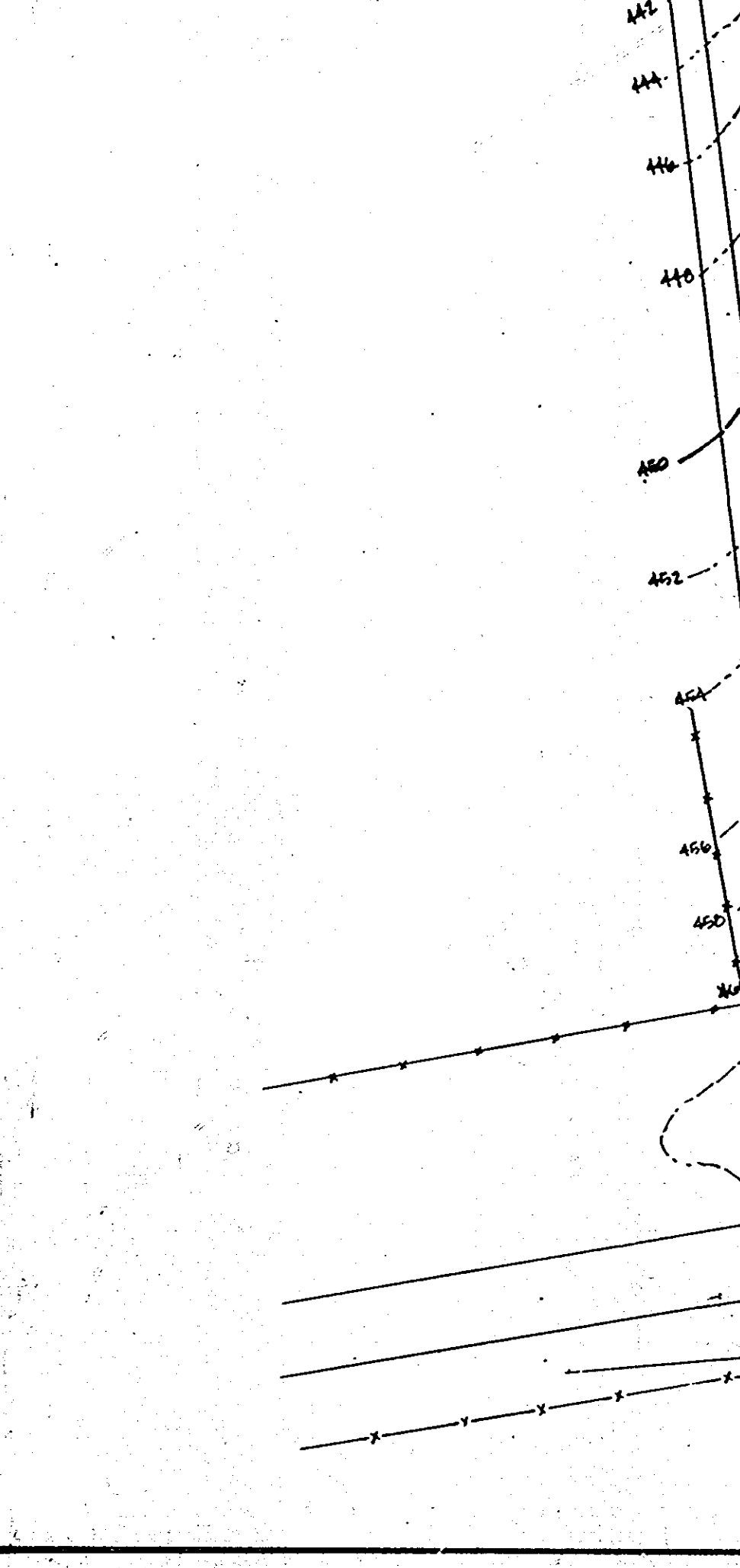
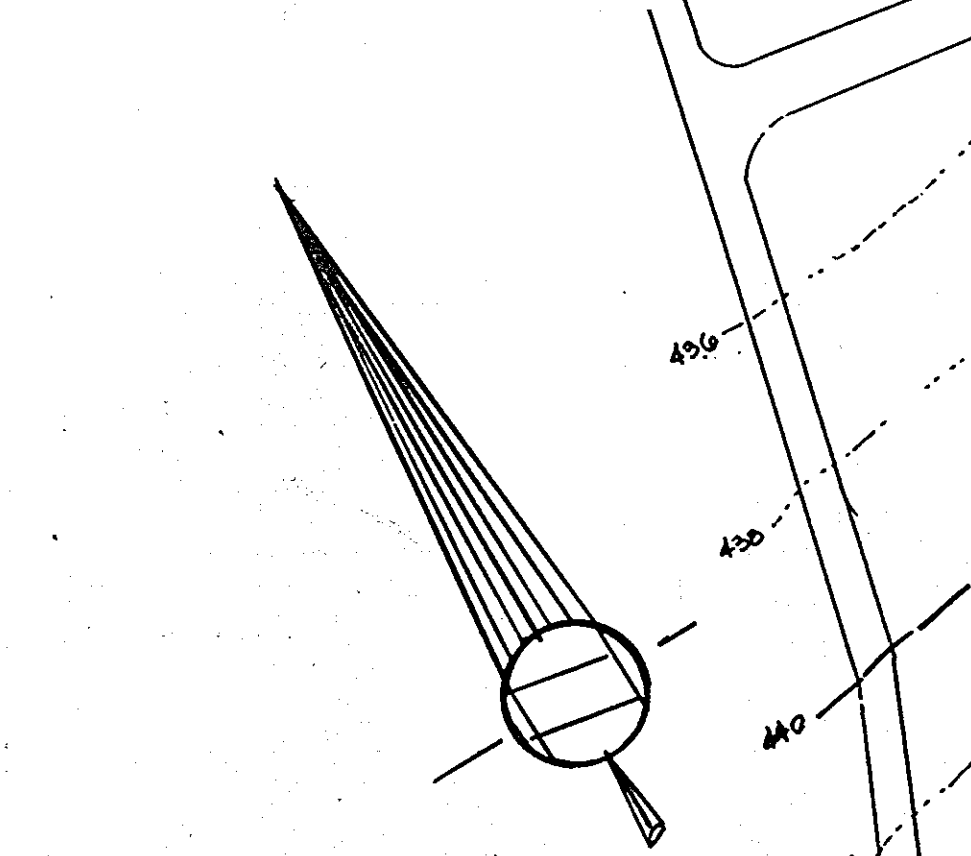
APPROVED: FOR PRIVATE WATER AND SEPTIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
DATE 2/1/90

APPROVED: HOWARD COUNTY, DEPT. OF PLANNING AND ZONING
DATE 3.15.90

APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS,
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE 3/1/90



Vicinity Map
1/4 0 1/4 1/2 Miles



- Construction Sequence for Classroom Addition**
1. Obtain building permit.
 2. Notify "Miss Utility" at least 48 hours before beginning any work at 1-800-257-7777. Notify the Howard County Office of Construction/Inspection at 410-919-1990 24 hours before starting work.
 3. Install sediment control measures shown on the plans, 1 week.
 4. Grade to subgrade classroom addition area.
 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.	Revision	Date	By
1	Add new building addition & Const. Sequence Notes	9-26-07	FGC
2	Added full day kindergarten addition, paved play area, concrete sidewalks & schematic building profile.	5-19-09	FGC
3	Revised handicap access to proposed addition & play area	1-26-09	FGC

DRAINAGE AREA MAP

Western Elementary School
Village of River Hill
SECTION 1 AREA 2, LOT 1 PARCEL 59
OWNER:
Howard County Board of Education
10910 Route 108
Ellicott City, Maryland 21043

Scale: 1" = 50'
Date: 26 JUNE 89
2ND SUBMITTAL: 12 SEPT 89
FINAL SUBMITTAL: 15 DEC. 89

C-12
Sheet 12 of 12
Project no.: 8810

Western Elementary School
Howard County, Maryland
Howard County Public School System

SEYBOLT, GORE, NEWQUIST & BERLINSKY
CIVIL ENGINEERS & LAND SURVEYORS
3000 ROCKHILL AVENUE
HERMITAGE, MD 21043



tca
Thomas Clark Associates Architects
9658 Baltimore Boulevard Suite 300
College Park, Maryland 20740
(301) 345-9400

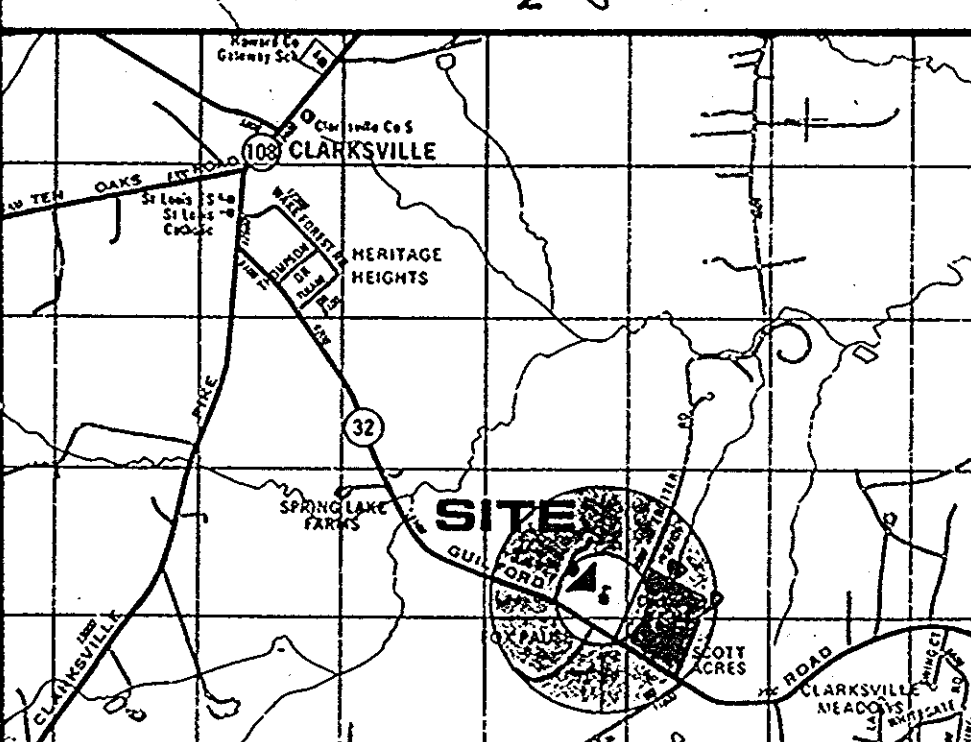
VP 89-108
SDP-89-278

APPROVED: FOR PRIVATE WATER AND SEPTIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
John B. ... 2-14-90
COUNTY HEALTH OFFICER (C.W.) DATE

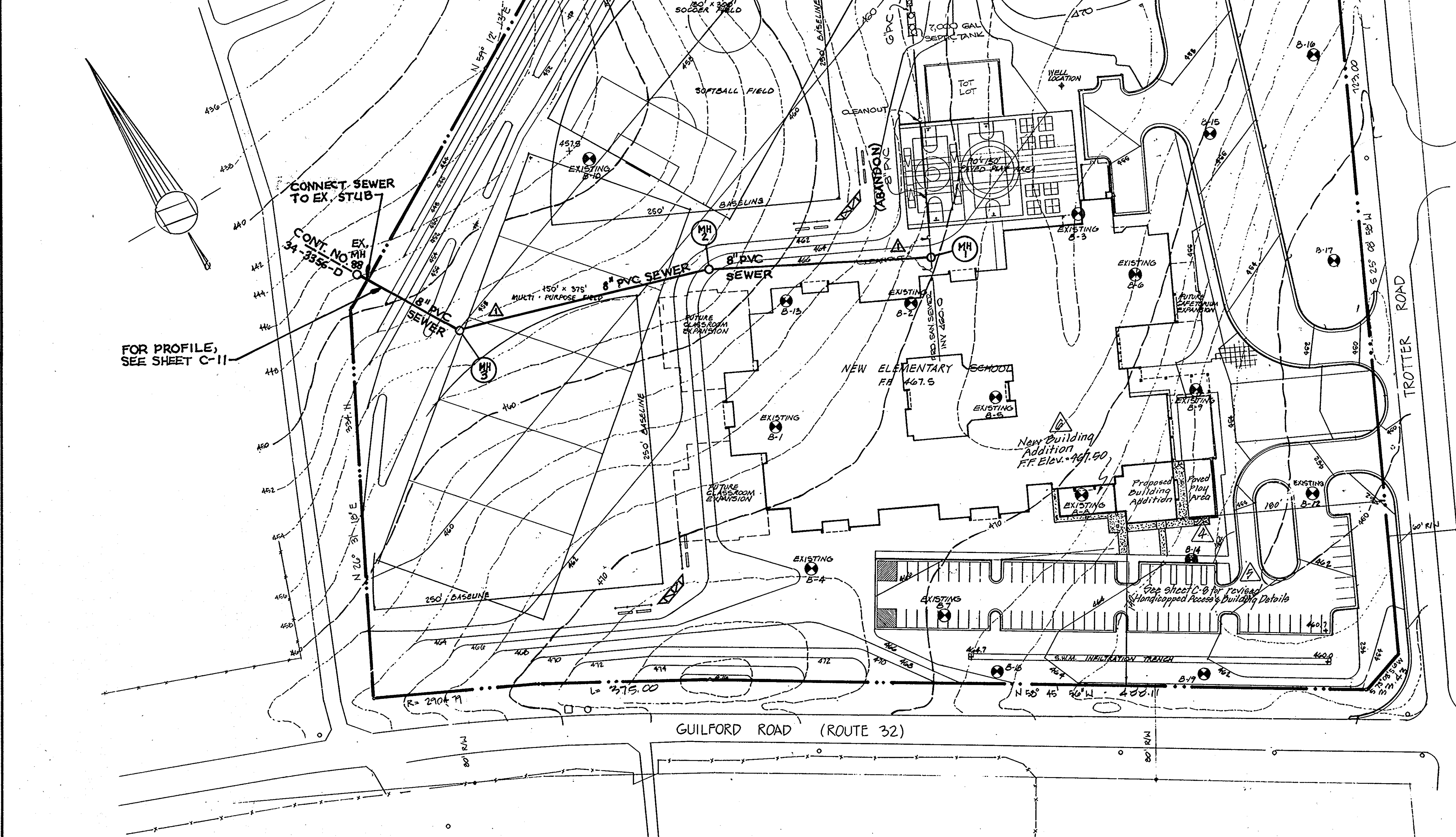
APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING
... 3.15.90
DIRECTOR DATE

APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS,
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
... 3.19.90
DIRECTOR DATE

APPROVED: PLANNING BOARD
OF HOWARD COUNTY
DATE: 10-25-89



Vicinity Map



GENERAL NOTES

POPULATION 576 PUPILS
34 STAFF
TOTAL = 610

DESIGN FLOW (5.28 GPM) (1.25 PEAK) = 4,000 GPD
MAXIMUM SEWAGE DISPOSAL ALLOCATION = 4,000 GPD
TANK CAPACITY REQUIRED $V = 1.25 + 0.75 Q = 4,125$ GAL.
TANK CAPACITY PROVIDED 7,000 GAL. EA.
DISTRIBUTION BOXES (3) 1,000 GAL. EA.
PUMP CHAMBER 2,500 GAL.
LINEAL FEET OF INITIAL SYSTEM/TRENCH 700 LF.

SCHOOL KITCHEN IS WARMING KITCHEN ONLY

SEPTIC TANK, PUMP CHAMBER & DISTRIBUTION BOXES

1. CONCRETE SHALL BE 4,000 PSI @ 28 DAYS
2. REINFORCEMENT SHALL BE (6" x 6") #10 GAUGE WIRE MESH W/ #3 REINFORCEMENT RODS ON 6" CENTERS IN THE TOPS AND #3 REINFORCEMENT RODS 12" ON CENTER IN THE SIDES AND BOTTOMS
3. DISTRIBUTION BOXES SHALL BE WATER ADJUSTED
4. IF TANK MANUFACTURER'S DIMENSIONS OR SPECIFICATIONS ARE DIFFERENT THAN THOSE SHOWN ON THE PLAN, THE MANUFACTURER'S PLANS AND SPECIFICATIONS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO SHIPPING TO THE SITE.

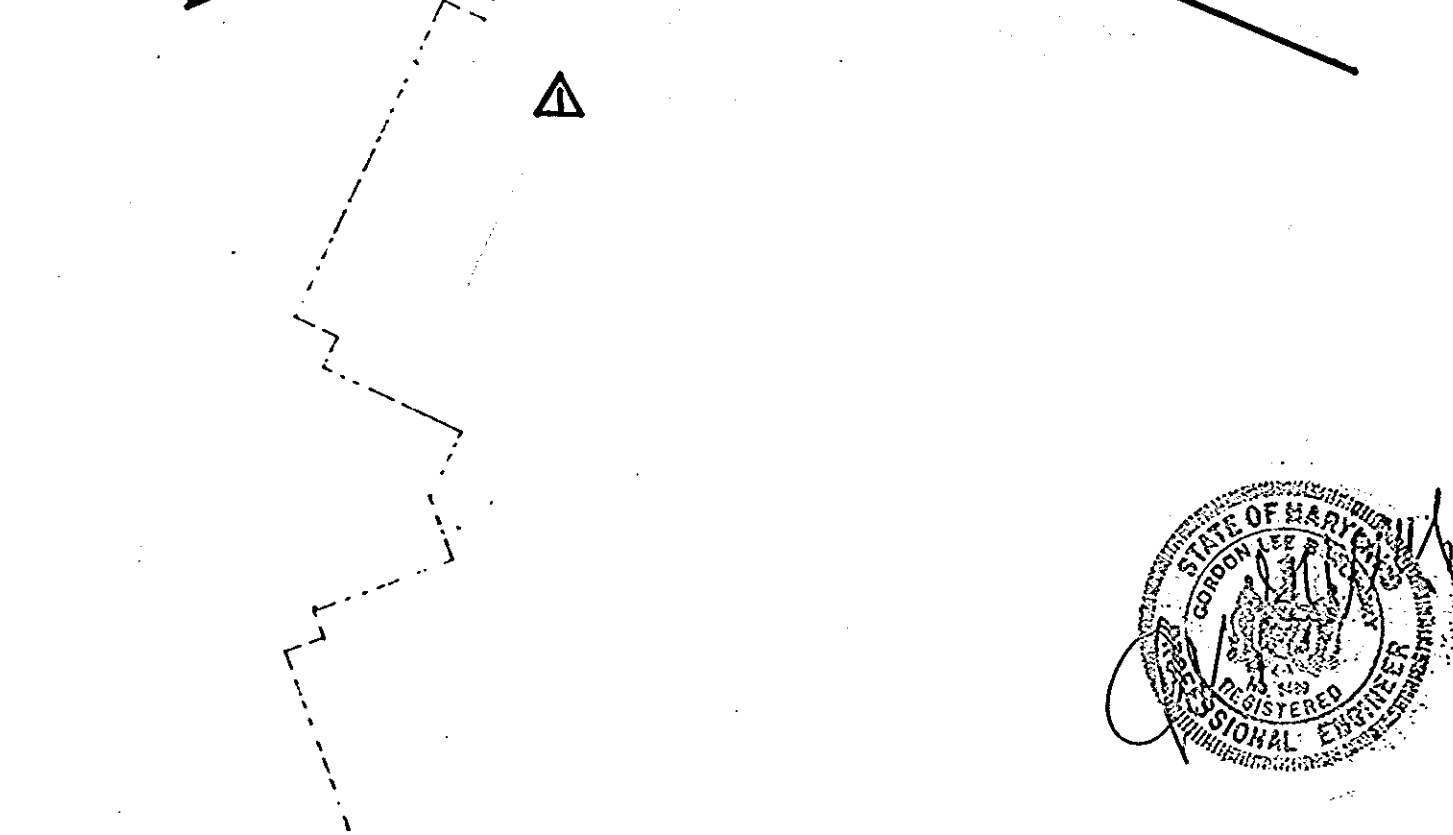
HOWARD COUNTY BOARD OF EDUCATION PLAT 29541

INSTALLATION OF SEPTIC SYSTEM SHALL BE IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS INCLUDING APPLICABLE ELECTRICAL CODES FOR THE INSTALLATION OF THE PUMP.

INSTALLER OF SEPTIC SYSTEM SHALL BE LICENSED TO PERFORM SUCH WORK IN HOWARD COUNTY, MD. AND SHALL HAVE BEEN ENGAGED IN THE BUSINESS OF SEPTIC SYSTEM INSTALLATIONS OF THE EQUIVALENT SIZE AND COMPLEXITY IN HOWARD COUNTY FOR AT LEAST FIVE YEARS.

SEPTIC SYSTEM INSTALLER SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS BEFORE STARTING WORK AND SHALL OBTAIN ALL REQUIRED CERTIFICATES FOR ACCEPTANCE BY CODE AUTHORITIES AT THE CONCLUSION OF THE WORK.

DISTURBANCE TO THE SURFACE AREA IN SEPTIC FIELD AND FINAL CONDITION OF SURFACE SHALL CONFORM TO REQUIREMENTS OF CODE AUTHORITIES.



Date	No.	Revision
3-20-07	0	Added new building addition

DATE	NO.	DESCRIPTION
05/07/98	1	PROP. SEWER CONNECTION TO CO. SYSTEM
5-10-09	4	Added full day kindergarten addition, paved play area & concrete sidewalks by F.O.C.
7-26-09	5	Revised handicap access to proposed addition & play area by F.O.C.

SEPTIC SYSTEM PLAN

Western Elementary School
Village of River Hill
SECTION 1 AREA 2, LOT 1 PARCEL 59
OWNER:
Howard County Board of Education
10910 Route 108
Ellicott City, Maryland 21043

THIS PLAN TO BE USED FOR SEPTIC SYSTEM CONSTRUCTION ONLY

Western Elementary School
Howard County, Maryland
Howard County Public School System

SEYBOLT, CORE, NEWCOURT & BERLINSKY
CIVIL ENGINEERS & SURVEYORS
2000 ANNE ARUNDEL AVENUE
KENSINGTON, MARYLAND 20885
(301) 496-0000

tca
Thomas Clark Associates Architects
988 Baltimore Boulevard Suite 300
College Park, Maryland 20740
(301) 345-3400

Scale: 1" = 50'
Date: 26 JUNE 89
2ND SUBMITTAL: 16 SEPT 89
FINAL SUBMITTAL: 15 DEC. 89

C-10

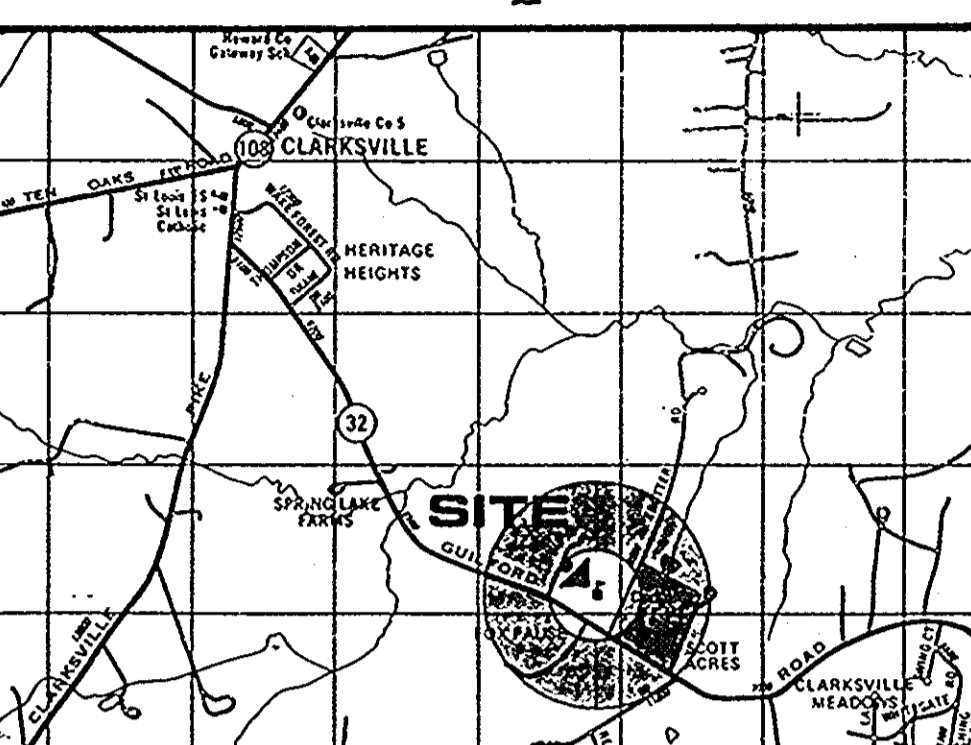
Sheet 10 of 12
project no.: 8810

APPROVED: FOR PRIVATE WATER AND SEPTIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
James Boyd 2-14-90
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY, DEPT. OF PLANNING AND ZONING
James Boyd 3-15-90
DIRECTOR DATE

APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS,
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
James Boyd 3-11-90
DIRECTOR DATE

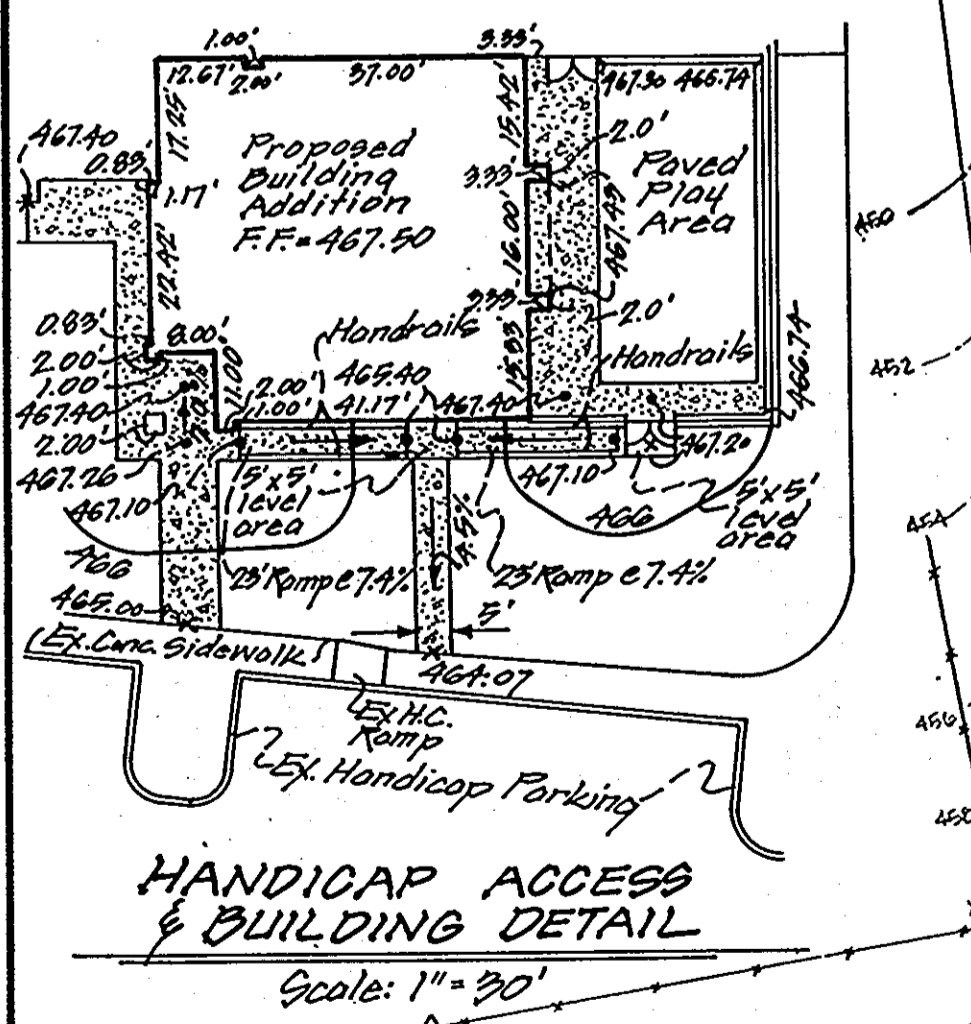
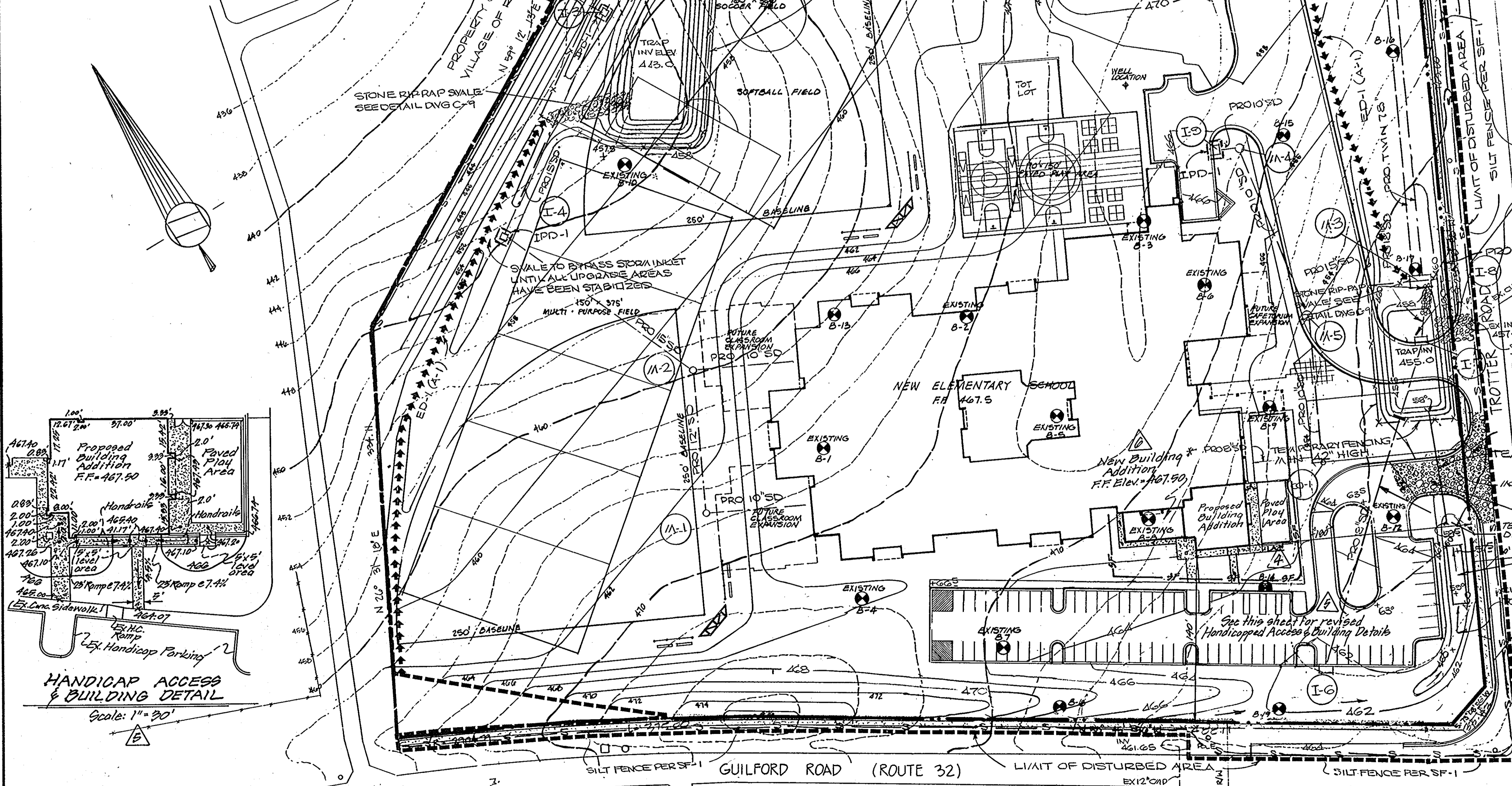
APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 10-25-89
LS



TRAP NO. 1
RIP-RAP OUTLET SEDIMENT TRAP PER STANDARD VI

MAXIMUM DRAINAGE AREA	= 8.9 AC
REQUIRED VOLUME	= 16,020 FT ³
PROVIDED VOLUME	= 20,000 FT ³
DESIGN DEPTH	= 41
BOTTOM ELEVATION	= 443.0
WEIR ELEVATION	= 448.0
WEIR LENGTH	= 10'
CLEANOUT ELEVATION	= 445.4
TOP ELEVATION	= 452.0
BOTTOM DIMENSIONS	= 40' X 100'
SIDE SLOPES	= 2:1

1/4 0 1/4 1/2
Miles



- SEDIMENT 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. (892-2437)
 - 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.
 - Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within: a) 7-calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1; b) 14-days as to all other disturbed or graded areas on the project.
 - 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.
 - All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 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.
 - 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	15.4 Acres
Total Disturbed Area	14.0 Acres
Area to be Roofed or Paved	3.7 Acres
Area to be Vegetatively Stabilized	11.3 Acres
Total Cut	SEE GRADING PLAN, Yds.
Total Fill	SEE GRADING PLAN, Yds.
Off Site 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 Department of Public Works 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.
 - All pipes to be blocked at the end of each day (see detail below).
 - The total amount of straw bale dikes/silt fence equals 600LF.

TRAP NO. 2 - STONE OUTLET SEDIMENT TRAP PER STANDARD VI

MAXIMUM DRAINAGE AREA	= 4.7 AC
REQUIRED VOLUME	= 8,460 FT ³
PROVIDED VOLUME	= 10,470 FT ³
DESIGN DEPTH	= 3'
BOTTOM ELEVATION	= 455.0
WEIR ELEVATION	= 459.0
WEIR LENGTH	= 20'
CLEANOUT ELEVATION	= 460.0
TOP ELEVATION	= 460.0
BOTTOM DIMENSIONS	= 20' X 35'
SIDE SLOPES	= 2:1 MAX

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
Approved *John R. ...* 10/22/89
Howard S.C.D.

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 erosion and sediment control and that all 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/We also authorize periodic inspection by the Howard Soil Conservation District or their authorized agents as are deemed necessary.

Cathleen Conley Young
Signature of Developer/Builder
CATHLEEN CONLEY YOUNG
HOWARD CO. PUBLIC SCHOOLS
Date: 10/22/89

ENGINEER'S CERTIFICATE

I hereby 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.

Gordon L. Berlinsky
Signature
Gordon L. Berlinsky, P.E.
Date: 10/22/89

Reviewed for: **HOWARD** S.C.D.
Name: *John R. ...*
Signature: *John R. ...*
Date: 10/22/89
U.S. Soil Conservation Service

No	Revision	Date	By
1	Added full day kindergarten addition, paved play area, concrete sidewalks & silt fence.	5-13-85	F.C.C.

No	Revision	Date	By
0	Added new building addition & silt fence.	8-26-87	F.C.C.
1	Revision		
2	Revised handicap access to proposed addition & play area, added Handicapped Access and Building Detail to this sheet, relocated silt fence as required.	7-26-89	F.C.C.

THIS PLAN TO BE USED FOR SEDIMENT CONTROLS ONLY

SEDIMENT & EROSION CONTROL PLAN
Western Elementary School
Village of River Hill
SECTION 1 AREA 2, LOT 1 PARCEL 59
OWNER:
Howard County Board of Education
10910 Route 108
Elliott City, Maryland 21043

SEYBOLT, GORE, NEWQUIST & BERLINSKY
CIVIL ENGINEERS & LAND SURVEYORS
3900 INNOVATION AVENUE
KENSINGTON, MARYLAND 20885
(301) 842-0000

Western Elementary School
Howard County, Maryland
Howard County Public School System

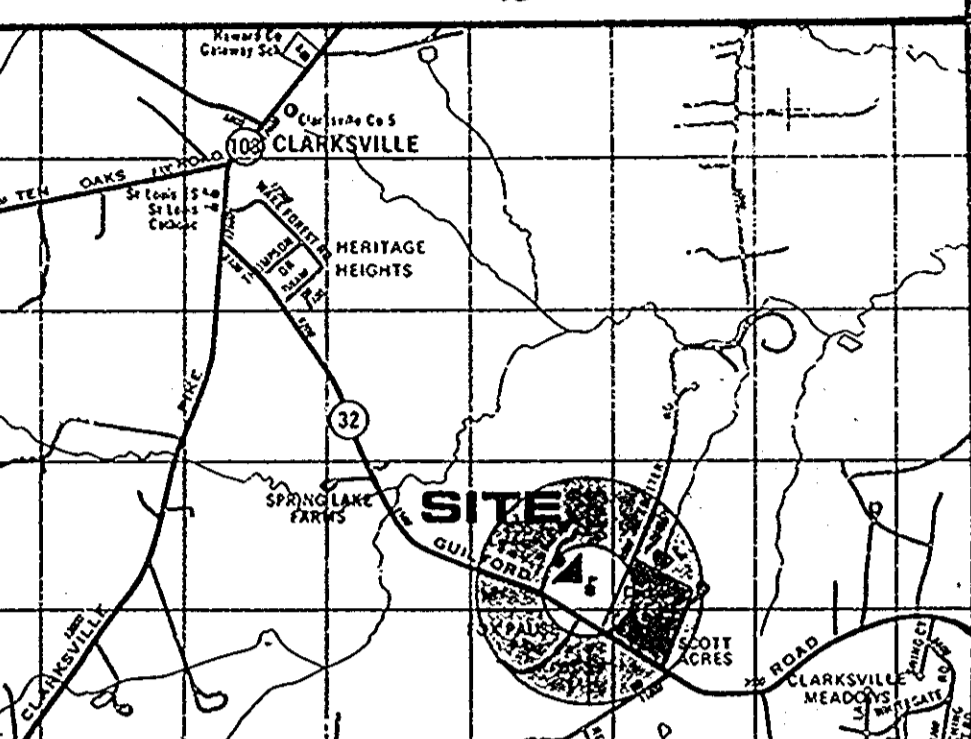
Thomas Clark Associates Architects
9655 Baltimore Boulevard Suite 300
College Park, Maryland 20740
(301) 345-9400

Scale: 1" = 50'
Date: 26 JUNE 89
SUBMITTAL: 7 SEPT 89
FINAL SUBMITTAL: 15 DEC 89

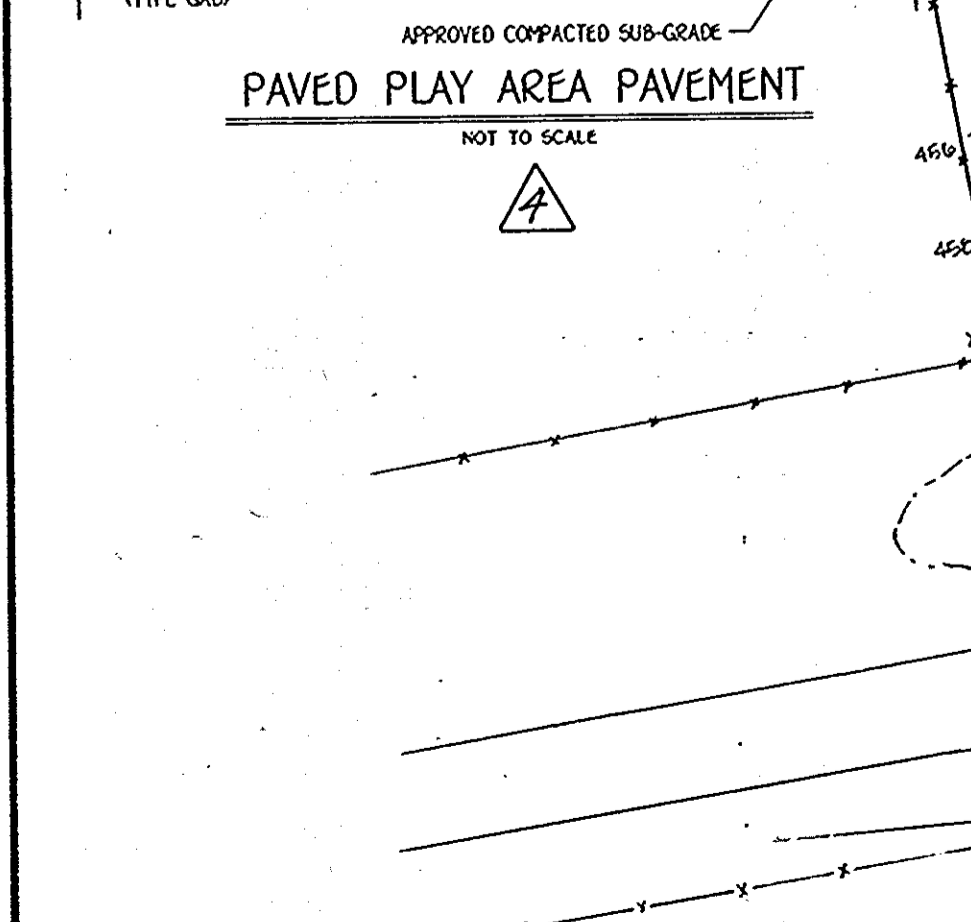
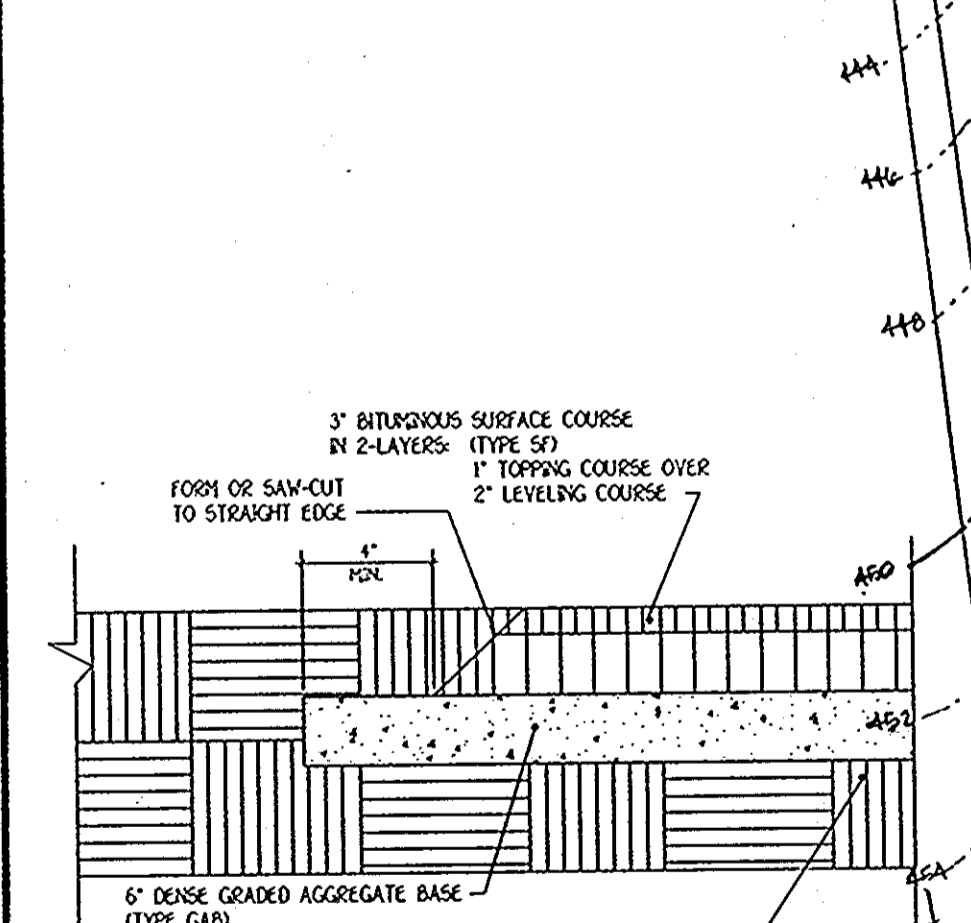
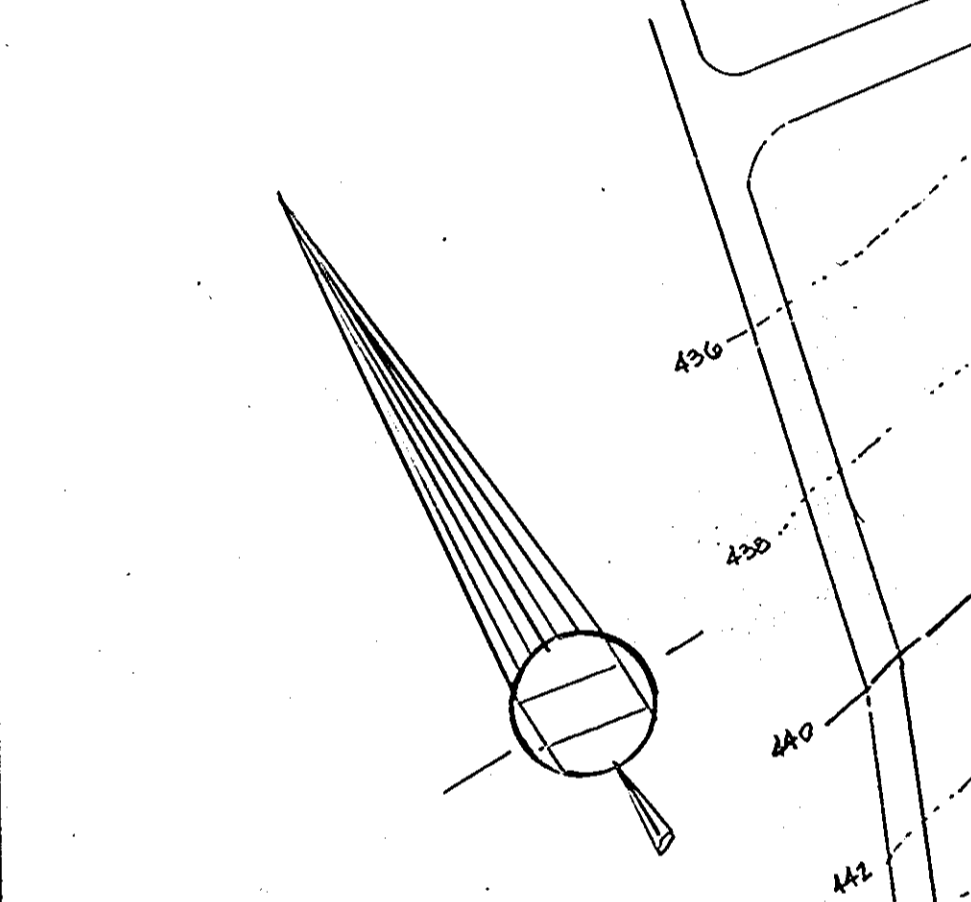
Sheet 2 of 12
Project no.: 5510

APPROVED: FOR PRIVATE WATER AND SEPTIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
James J. Brown 2-14-90
COUNTY HEALTH OFFICER C.W. DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING
Paul J. Angel 3-15-90
DIRECTOR DATE
CHIEF, DIVISION OF COMMUNITY
PLANNING AND LAND DEVELOPMENT
DATE 3-15-90
APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS,
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
James J. Brown 3-11-90
DIRECTOR DATE
CHIEF, BUREAU OF ENGINEERING C.S. DATE

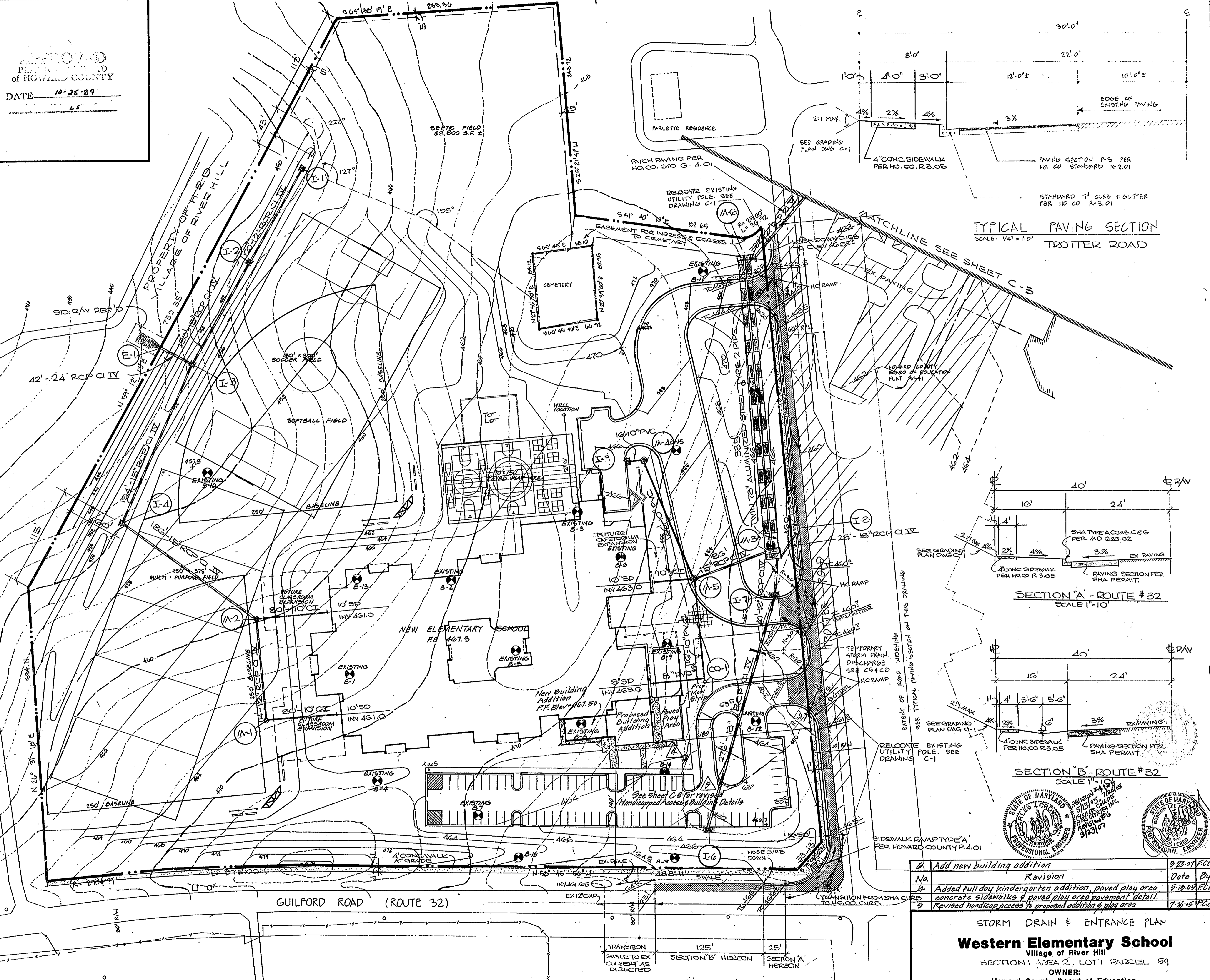


Vicinity Map



SECTION 'A' - ROUTE #32 SCALE 1"=10'

SECTION 'B' - ROUTE #32 SCALE 1"=10'



THIS PLAN TO BE USED FOR SITE UTILITY, ROADWAY IMPROVEMENTS AND ENTRANCE CONSTRUCTION ONLY

SDP-89-278

Western Elementary School
Howard County, Maryland
Howard County Public School System

SEYBOLT, CORE, NEWQUIST & BERLINSKY
CIVIL ENGINEERS & ARCHITECTS
1000 KENNESAW AVENUE
KENNESAW, MARYLAND 20886
(301) 440-6600

Thomas Clark

Thomas Clark Associates Architects
9658 Baltimore Boulevard Suite 300
College Park, Maryland 20740
(301) 345-8400

Scale: 1"=50'
Date: 26 JUNE 89
2ND SUBMITTAL: 17 SEPT 89
FINAL SUBMITTAL: 15 DEC 89

Sheet 4 of 8
Project no.: 89-0

No.	Revision	Date	By
1	Add new building addition	9-23-87	FCC
2	Added full day kindergarten addition, paved play area concrete sidewalks & paved play area pavement detail.	5-18-89	FCC
3	Revised handicap access to proposed addition & play area	7-16-89	FCC

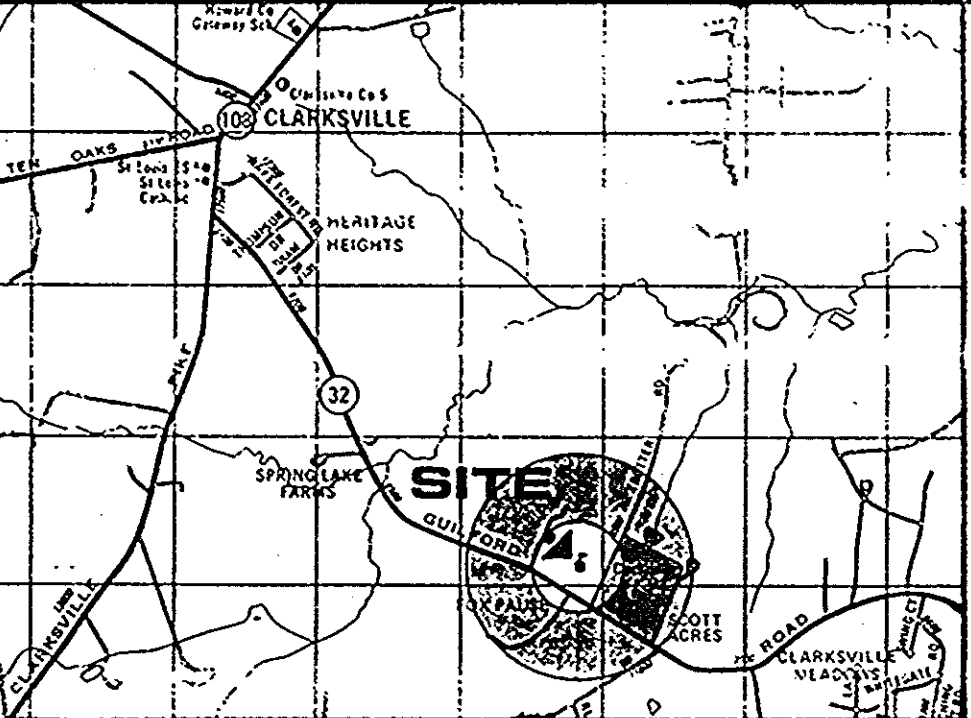
STORM DRAIN & ENTRANCE PLAN
Western Elementary School
Village of River Hill
SECTION 1 AREA 2, LOT 1 PARCEL 59
OWNER:
Howard County Board of Education
10910 Route 108
Ellicott City, Maryland 21043

APPROVED: FOR PRIVATE WATER AND SEPTIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
2-14-90
COUNTY HEALTH OFFICER DATE

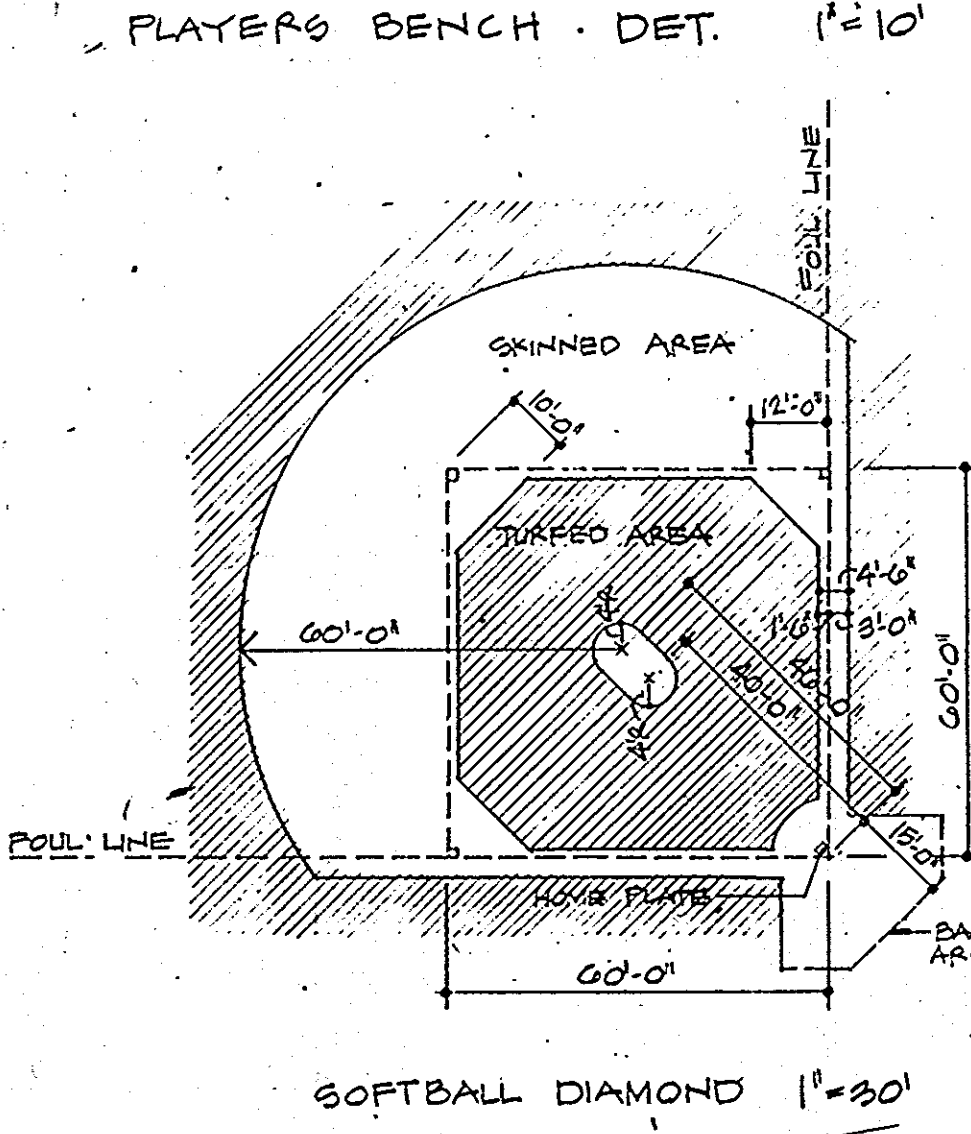
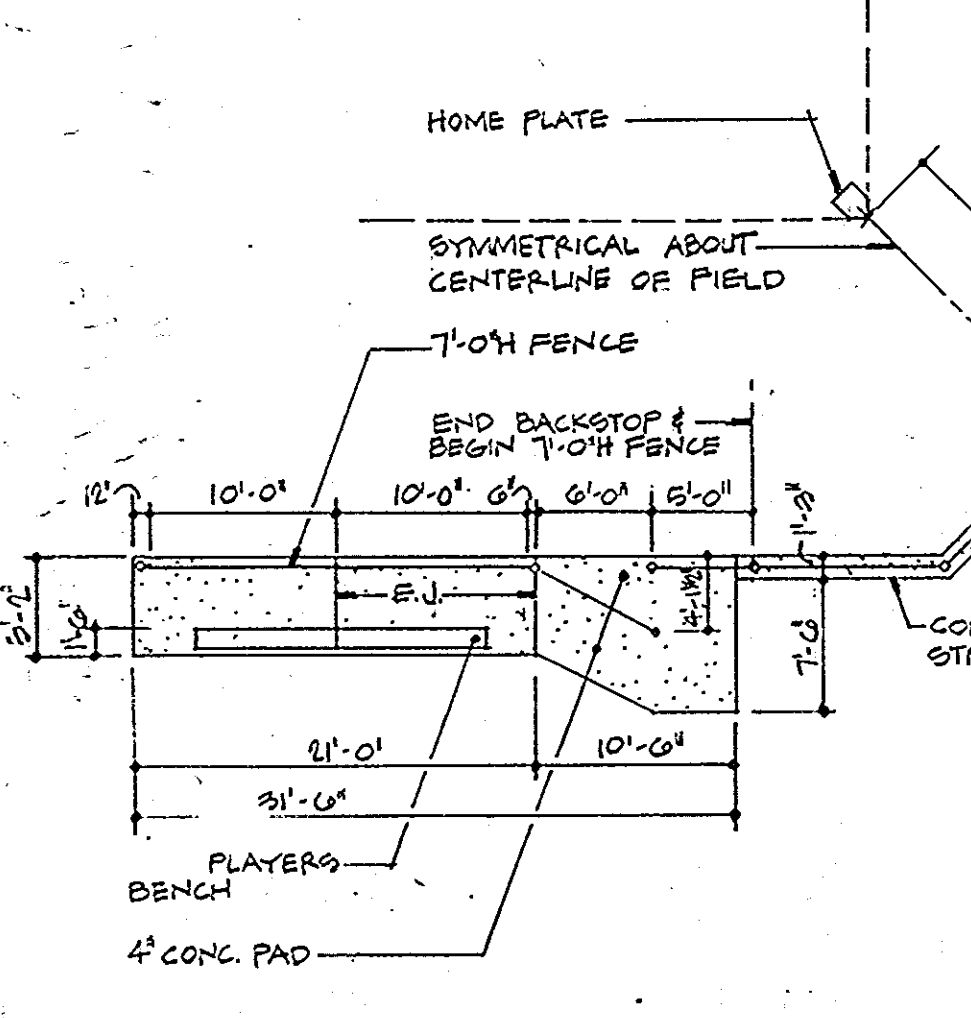
APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING
3-15-90
DIRECTOR DATE
CHIEF, DIVISION OF COMMUNITY
PLANNING AND LAND DEVELOPMENT DATE
APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS,
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
10-25-89
DATE

3/1/90
DIRECTOR DATE
3-1-90
CHIEF, BUREAU OF ENGINEERING DATE

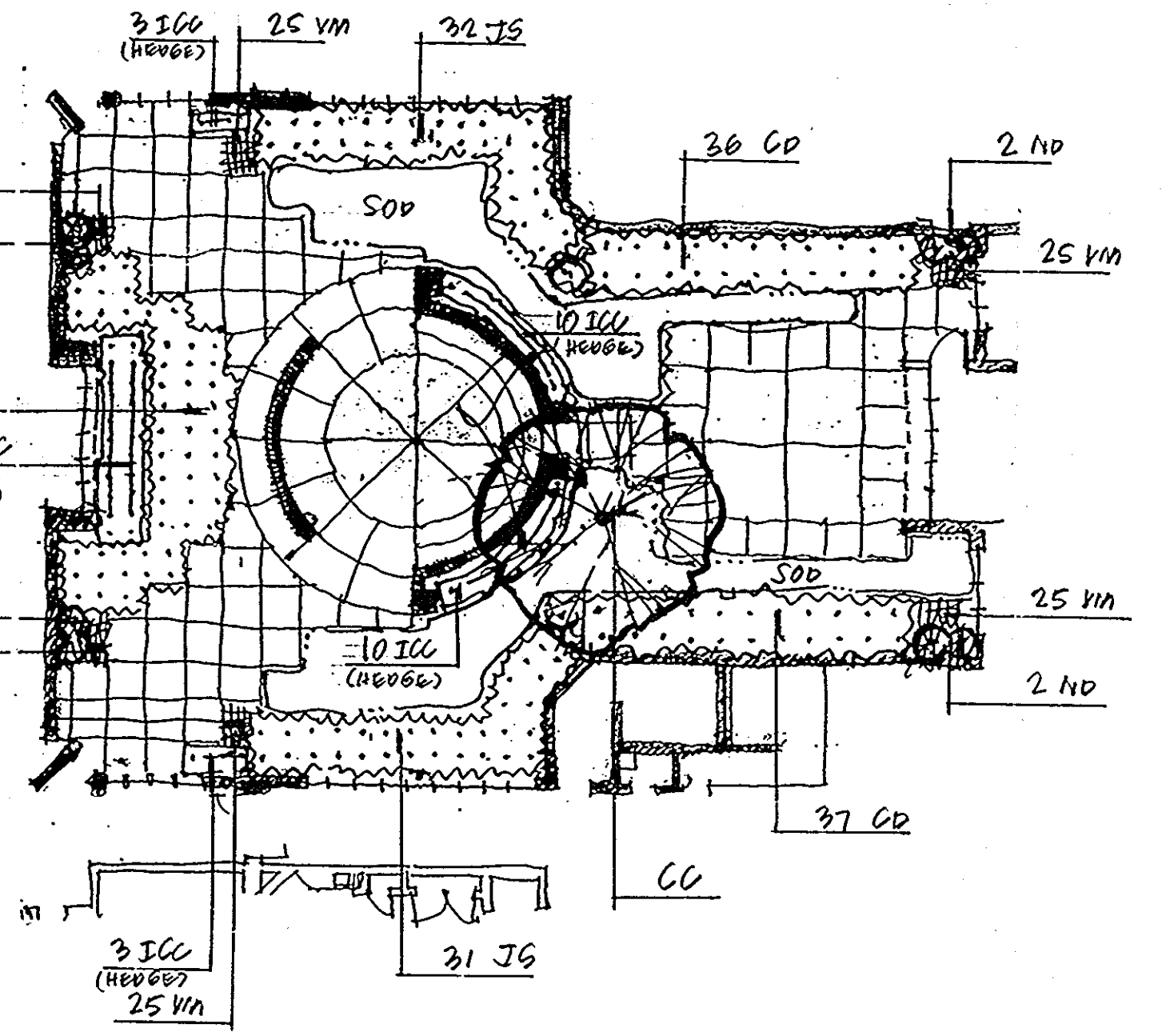
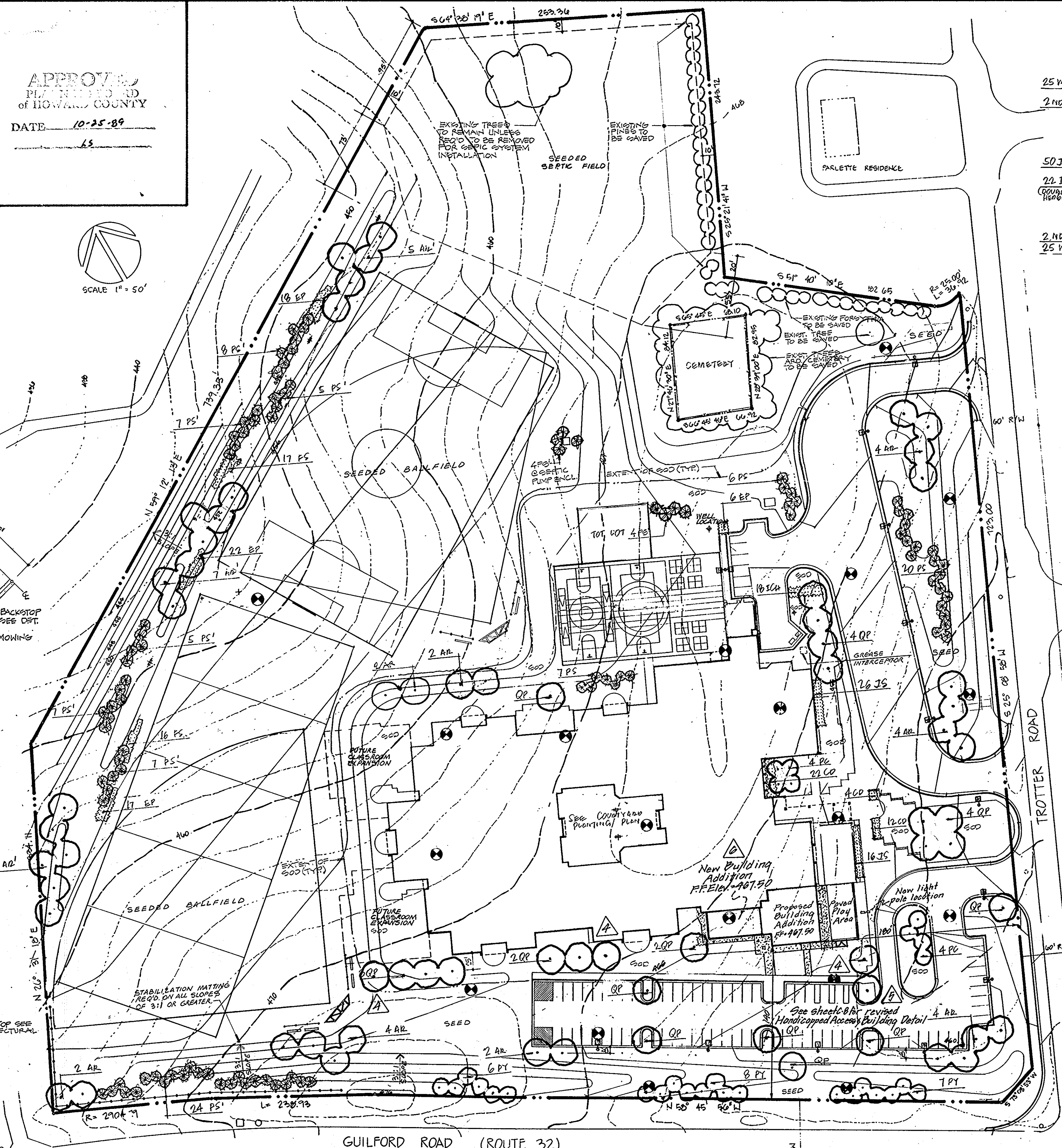
APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 10-25-89



Vicinity Map



SOFTBALL DIAMOND 1"=30'



Courtyard Planting Plan

NOTE: COURTYARD PLANTING IS NOT INCLUDED IN BASE BID. SEE ALTERNATE SECTION OF SPECIFICATIONS. ALL NON PAVED AREAS OF COURTYARD ARE TO BE SODDED IN BASE BID.

Plant List

LET	QUAN	PLANT NAME	SIZE - CONDITION
AR	10	ACER RUBRA 'OCTOBER GLORY'	12'-14'; 2'-2 1/2" CAL; BR
AR	24	ACER RUBRA 'OCTOBER GLORY'	14'-16'; 3 1/2" CAL; BR
CG	1	CARDINUS CAROLINIANA 'AMERICAN HOENBEAM'	12'-14'; B+B SPECIMEN
PC	8	PRUNUS CERASIFERA 'THUNDERCLOUD'	8'-10'; BR
PY	21	PRUNUS YEDOENSIS 'TOSHINO CHERRY'	8'-10'; BR
QP	25	QUERCUS PHELLOS 'WILLOW OAK'	14'-16'; 3 1/2" CAL; BR
PS	33	PINUS STROBUS 'WHITE PINE'	6'-8'; BR
PS	71	PINUS STROBUS 'WHITE PINE'	5'-6'; BR
CD	125	COTONEASTER DAMMERI 'CORAL BEAUTY'	18"-24"; CONTAINER
EP	63	EUONYMUS PATENS 'MANHATTAN'	24"-30"; B+B
FS	33	FOXYTHIA SUSPENSIA 'HEERING FORSYTHIA'	24"-30"; B+B
IC	48	ILEX CORNUTA 'CHEROKEE'	24"-30"; B+B
IC	29	ILEX CORNUTA 'HETZ'	24"-30"; B+B
JS	102	JUNIPERUS CHINENSIS 'SARGENTI'	18"-24"; B+B
ND	8	NANDINA DOMESTICA 'HEAVENLY BAMBOO'	18"-24"; CONTAINER FULL ANNU BEAUT
VM	150	VINCA MINOR 'PINK VIOLETT'	2 1/4" PEAT POTS 6" O.C.

- Planting Notes:
- All plant material shall be full and heavy and conform to A.A.A. specifications. Trees shall be marked in base bid.
 - All areas disturbed in construction not receiving planting or plant material shall be seeded or sodded as shown with specified seed.
 - All existing trees shall be protected during construction. UNLESS NOT INDICATED TO BE SAVED.
 - Plant quantities are provided for contractor's convenience. If discrepancies exist between the Plan and the Plant List, the quantities shown on the Plan take precedence.
 - Any proposed substitutions shall be made prior to bidding.
 - Project will be inspected by Landscape Architect.
 - This plan to be used for bidding only.
 - Verify locations of underground utilities before planting.

No.	Revision	Date	By
0	Added new building addition	03-07	ECG
1	Added full day kindergarten addition, paved play area, concrete sidewalks & re-located 2 landscaping trees	5-13-07	ECG
2	Revised hand-drawn notes to proposed addition & play area	7-16-07	ECG

Western Elementary School
Village of River Hill
SECTION 1, AREA 2, LOT 1, PARCEL 59
OWNER:
Howard County Board of Education
10910 Route 108
Ellicott City, Maryland 21043

THIS PLAN TO BE USED FOR INSTALLATION OF PLANT MATERIAL ONLY

WP-89-108

Western Elementary School
Howard County, Maryland
Howard County Public School System

KILDUFF NAGY-LANDSCAPE ARCHITECTS
10726 Baltimore Avenue Beltsville, MD 20705
(301) 585-4955
Land Planning - Landscape Architecture - Park and Recreation Planning



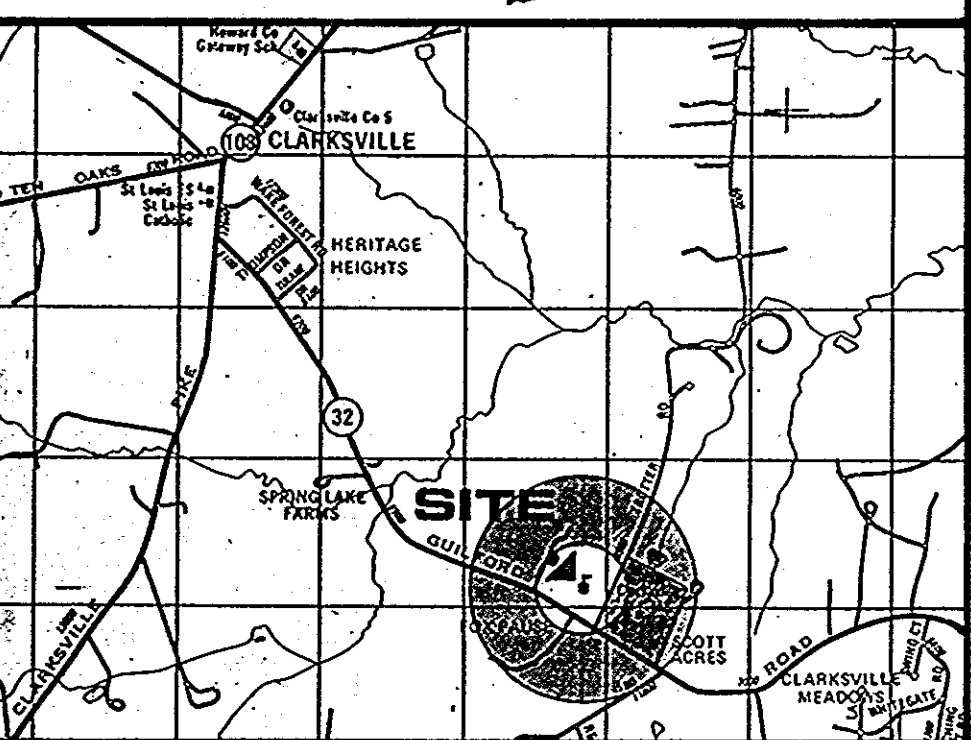
Thomas Clark Associates Architects
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Scale: 1"=50'
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Sheet 2 of 12
Project no.: 0810

SDP-89-278

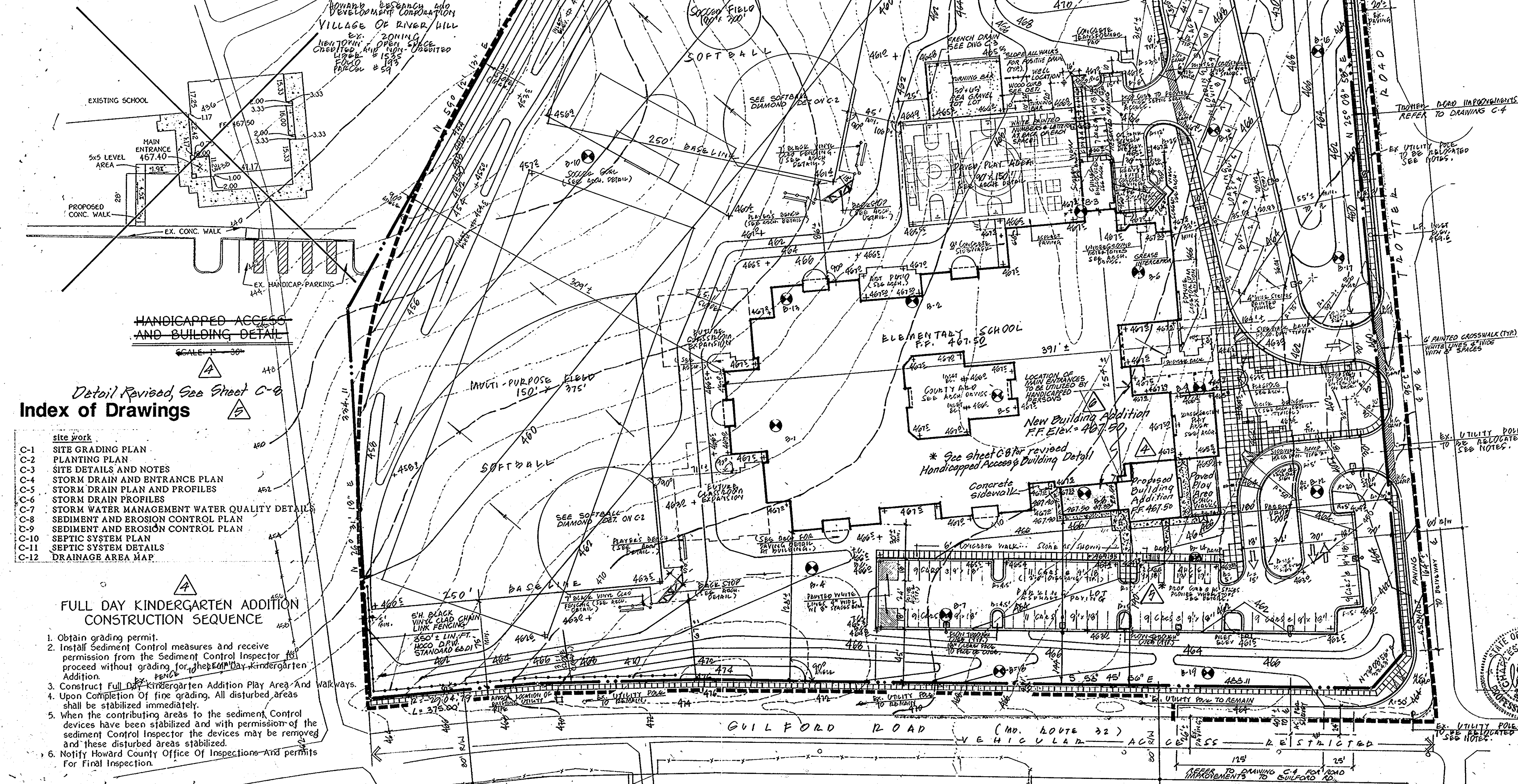
APPROVED: FOR PRIVATE WATER AND SEPTIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER (C.W.) DATE 2-14-90
APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING
DATE 3.15.90
DIRECTOR DATE 3/6/90
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE 4.5
APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS,
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE 10-25-89

APPROVED PLANNING BOARD OF HOWARD COUNTY
DATE 10-25-89



Vicinity Map
Scale 1/4" = 1/2 Miles

THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT AS REQUIRED BY THE MARYLAND DEPARTMENT OF HEALTH AND MENTAL HYGIENE FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF AN INADEQUATE INTENSIFIED RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL & VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES TO THESE EASEMENTS INTO THE PRIVATE SEWERAGE EASEMENT.



Note: A building permit for the proposed school expansion shall be applied for within one (1) year measured from the DEP approval letter for this red-line revision or before March 3, 2000.

SITE ANALYSIS:

1. AREA OF PARCEL	15.4 ACRES OR 670,824 SQ. FT.
2. ZONING	HIGH DENSITY OPEN SPACE (HDS) AND LOW DENSITY (LD)
3. PROPOSED USE	PUBLIC ELEMENTARY SCHOOL
4. FLOOR AREA	19,997 SQ. FT.
5. BUILDING HEIGHT	1 STORY - 28' (PER BOCA)
6. PARKING SPACES REQUIRED	80 CARS (PER HOWARD COUNTY SCHOOL SPECIFICATIONS) 19 BUSES (PER HOWARD COUNTY SCHOOL SPECIFICATIONS)
7. PARKING SPACES PROVIDED	80 SPACES TOTAL 18 BAYS APPLIED TO REAR OF BLDG.
8. BUS LOADING SPACES PROVIDED	18 x 12' x 44'
9. OPEN SPACE	41.90 ON 544,725 SQ. FT.
10. BUILDING COVERAGE	10.9%
11. FINAL DEVELOPMENT PLAN	FDP - 201
12. AREA OF PAVED PARKING	39,648 SQ. FT. OR .91 AC.

LEGEND

1. CONTOUR INTERVAL	2 FEET
2. EXISTING CONTOURS	460
3. PROPOSED CONTOURS	460
4. PROPOSED SPOT ELEVATIONS	+466±
5. EXISTING PAVING	
6. PROPOSED STANDARD 6" CURB AND GUTTER	
7. LIMIT OF WORK LINE*	
8. CONCRETE VULK SINGLE LINE INDICATES SCREW JOINT DOUBLE LINE INDICATES EXPANSION JOINT	
9. 6' BLACK VINYL CLAD FENCE	
10. POILING LOCATIONS	8-12
11. LIGHT POLES (SEE ELECTRICAL PLAN FOR EXACT LOCATIONS)	
* NOTE: LIGHT FIXTURES TO BE DIRECTED AWAY FROM EXISTING AND PROPOSED RESIDENCES. PLAY FIELDS WILL NOT BE ILLUMINATED.	
12. DIRECTION OF DRAINAGE	

GRADING QUANTITIES

CUT REQUIRED	41,500 CU. YDS.
FILL REQUIRED	13,000 CU. YDS.
TOTAL CUT REQUIRED TO FINISH SITE	14,500 CU. YDS.

NOTE: GRADING QUANTITIES ARE APPROXIMATE AND SHOULD NOT BE USED FOR BIDDING PURPOSES. CONTRACTOR SHALL PERFORM INDEPENDENT ESTIMATION CALCULATIONS PRIOR TO BIDDING. THE ARCHITECT ASSUMES NO RESPONSIBILITY FOR THE ABOVE FIGURES. ALL ACTUAL EARTHWORK, IMPORTED FILL, ETC. REQUIRED TO ACHIEVE FINISH GRADES SHALL BE INCLUDED IN BASE BID.

CLARKSVILLE MIDDLE SCHOOL
HOWARD COUNTY BOARD OF EDUCATION
PLAT 3541
EX. ZONING "P"

NOTES:

- CONTRACTOR SHALL COORDINATE NECESSARY UTILITY POLE AND CABLE RELOCATIONS WITH APPROPRIATE UTILITY COMPANIES. THIS WORK SHALL BE PERFORMED IN CONJUNCTION WITH OTHER ROAD IMPROVEMENTS CONTRACTOR SHALL BEAR ANY AND ALL COSTS OR CHARGES ASSOCIATED WITH THE UTILITY POLE RELOCATION.
- A WATER METER SHALL BE INSTALLED ON THE INCOMING SUPPLY LINE TO THE BUILDING.
- BUILDING DIMENSIONS SHOWN ON THIS SITE AND GRADING PLAN ARE APPROXIMATE. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS AND LAYOUT.
- TROTTER ROAD, GUILFORD ROAD IMPROVEMENTS AND ENHANCEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS STANDARDS (SEE 2000 C.A.).
- TOPOGRAPHIC AND BOUNDARY INFORMATION PROVIDED BY MFL DEVELOPMENT ENGINEERS, INC., SUITE 231 HARPER CENTER VILLAGE CENTER, 5405 HARPER FARM ROAD, COLUMBIA, MARYLAND 21046, DATED 23 JANUARY 1989.
- BUILDING IS FULLY SPRINKLERED.

HANDICAPPED ACCESS AND BUILDING DETAIL
SCALE 1" = 30'

Detail Revised, See Sheet C-9
Index of Drawings

- site work
- C-1 SITE GRADING PLAN
- C-2 PLANTING PLAN
- C-3 SITE DETAILS AND NOTES
- C-4 STORM DRAIN AND ENTRANCE PLAN
- C-5 STORM DRAIN PLAN AND PROFILES
- C-6 STORM WATER MANAGEMENT WATER QUALITY DETAILS
- C-7 SEDIMENT AND EROSION CONTROL PLAN
- C-8 SEDIMENT AND EROSION CONTROL PLAN
- C-9 SEPTIC SYSTEM PLAN
- C-10 SEPTIC SYSTEM DETAILS
- C-12 DRAINAGE AREA MAP

FULL DAY KINDERGARTEN ADDITION CONSTRUCTION SEQUENCE

- Obtain grading permit.
- Install sediment control measures and receive permission from the Sediment Control Inspector to proceed without grading for the Full Day Kindergarten Addition.
- Construct Full Day Kindergarten Addition Play Area and walkways.
- Upon completion of site grading, all disturbed areas shall be stabilized immediately.
- When the contributing areas to the sediment control devices have been stabilized and with permission of the sediment control inspector the devices may be removed and these disturbed areas stabilized.
- Notify Howard County Office of Inspections and permits for final inspection.

0	Added new building addition, revised site analysis info, added const seq notes.	7-20-89	FCC
1	Revised handicap access to proposed & play area; revised "Handicapped Access and Building Detail" (see sheet C-9).	7-26-89	FCC
No.	Revision	Date	By
4	Added full day kindergarten addition, revised play area, concrete sidewalk, handicap access & building detail, & construction sequence, revised site analysis info.	9-19-89	FCC

APPLICABLE FILES:
PB-207, S-89-63,
PB-253, F-90-10,
WP-89-108

Site Development Plan
Western Elementary School
Village of River Hill
SECTION 1, AREA 2, LOT 1, PARCEL 59
OWNER:
Howard County Board of Education
10910 Route 108
Elliott City, Maryland 21043

Western Elementary School
Howard County, Maryland
Howard County Public School System

KILDIFF NAGY LANDSCAPE ARCHITECTS
10726 Baltimore Avenue
Beltsville, MD 20705
(301) 565-4955
Land Planning • Landscape Architecture • Park and Recreation Planning

tca
Thomas Clark Associates Architects
9658 Baltimore Boulevard, Suite 300
College Park, Maryland 20740
(301) 345-9400

Scale: 1" = 50'
Date: 26 JUNE 89
2ND SUBMITTAL: 17 SEPT 89
FINAL SUBMITTAL: 1/6 DEC 89

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Sheet 1 of 1
Project no.: 8810