

LEGEND

- EXIST. BLDG. OUTLINE
- PROPOSED NEW CONSTRUCTION
- EXIST. ASPHALT PAVING
- EXIST. CONC. WALK OR SLAB
- EXIST. ASPHALT OR CONC. CURB
- NEW ASPHALT PAVING
- NEW CONC. WALK OR SLAB
- NEW CONC. CURB & GUTTER
- PROPERTY LINE
- EXIST. FENCE
- EXIST. SEWER PIPE
- NEW STORM DRAIN PIPE AND MANHOLE
- NEW STORM DRAIN PIPE AND INLET
- TEST BORING LOCATION
- LIMIT OF ALTERNATES

SHEET INDEX

SHEET	DESCRIPTION
G-1	LAYOUT PLAN
G-2	GRADING PLAN AND SEDIMENT CONTROL PLAN
G-3	STORM SEWER OUTFALL AND DETAILS
G-4	STORM SEWER PROFILES
DD-1	DRAINAGE DIVIDES

1: PAGES COMPUTATIONS

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

APPROVED: DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING OF HOWARD COUNTY
 Chief, *[Signature]* 10/1/74
 DATE

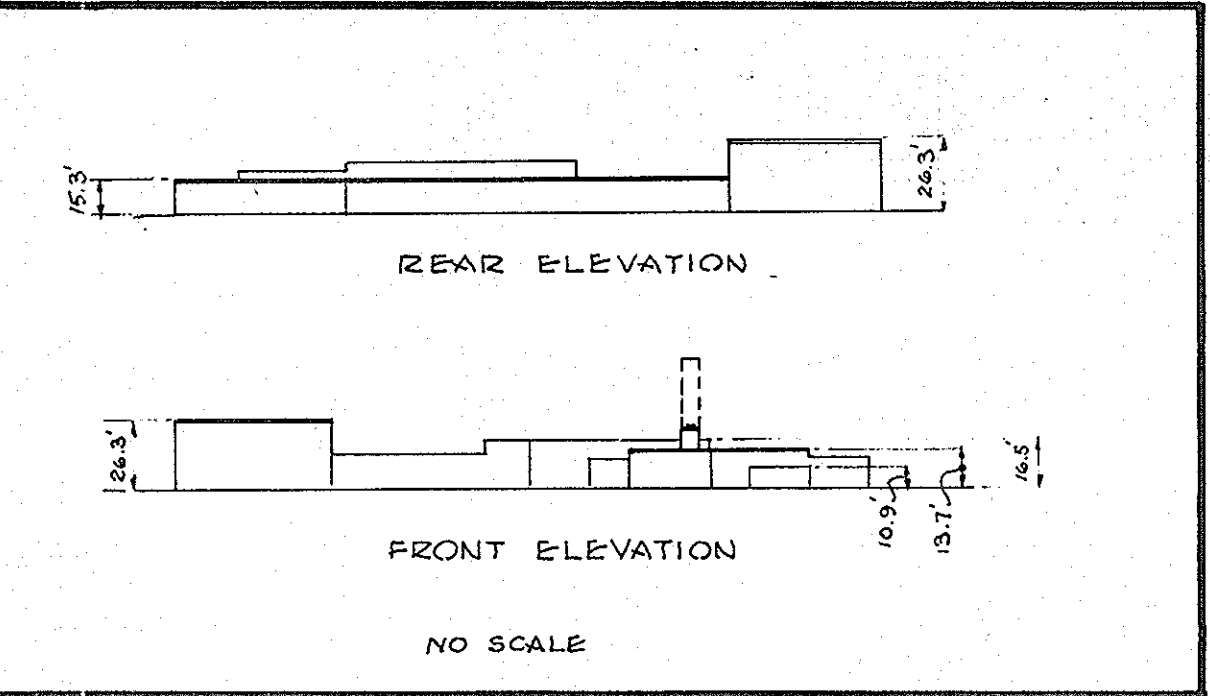
APPROVED: For Public Water and Public Sewerage Systems, Howard County Health Department
 County Health Officer, *[Signature]* 10/1/74
 DATE

APPROVED: Howard County Office of Planning & Zoning
 Planning Director, *[Signature]* 10-1-74
 DATE

APPROVED: For Public Water, Public Sewerage and Storm Drainage systems and Roads
 Howard County Department of Public Works
 Director, *[Signature]* 9/19/74
 DATE

APPROVED: Chief, Bureau of Highways
 Director, *[Signature]* 9-19-74
 DATE

APPROVED: DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING HOWARD COUNTY, MARYLAND
 DATE 8/21/74
[Signature]



"PROFESSIONAL CERTIFICATION, I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 13204, EXPIRATION DATE: NOVEMBER 3, 2008."
 CHARLES A. CRONO SR. DATE 2/15/08
 FOR REVISION 1 AND ONLY

Revision

No.	Revision	Date
1	Added building addition and play area.	12-4-07
2	APPROV SAC TO NEW BUILDING ADDITION	2/7/08

CURVE TABLE

CURVE NO.	RADIUS	Δ	ARC	CHD	TAN	CHD BEARING
1	79.5	96°00'54"	71.66'	69.03'	39.09'	N 78° 24' 27" W
2	91.90	90°00'00"	16.48'	16.91'	84.04'	N 35° 23' 07" W
3	36.50	60°00'00"	38.22'	30.50'	21.07'	N 3° 36' 52" E

Scale: 1" = 30'

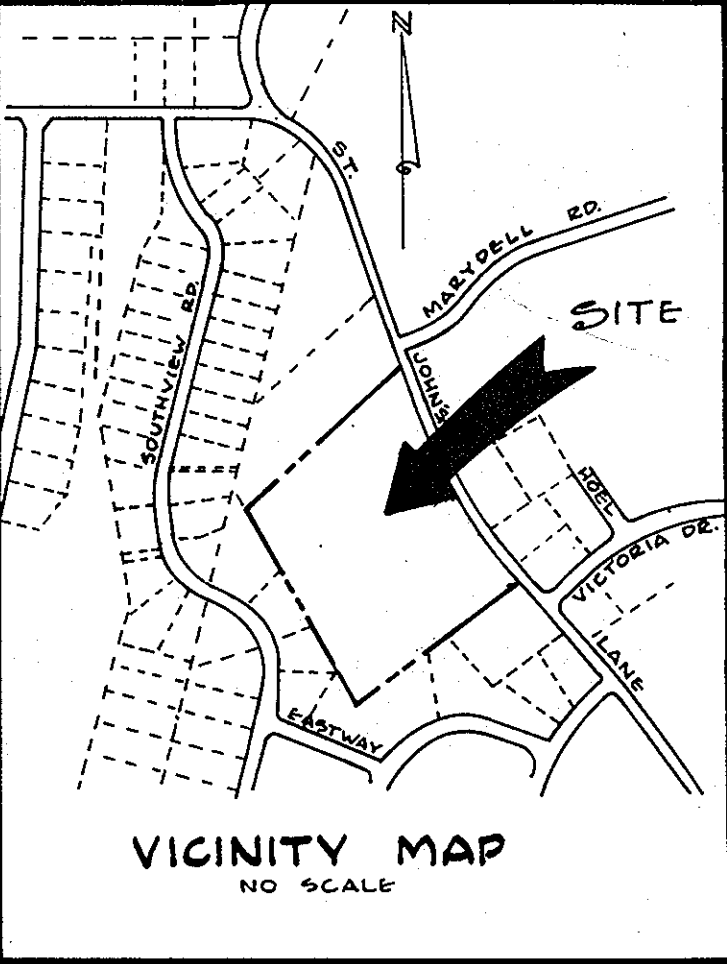
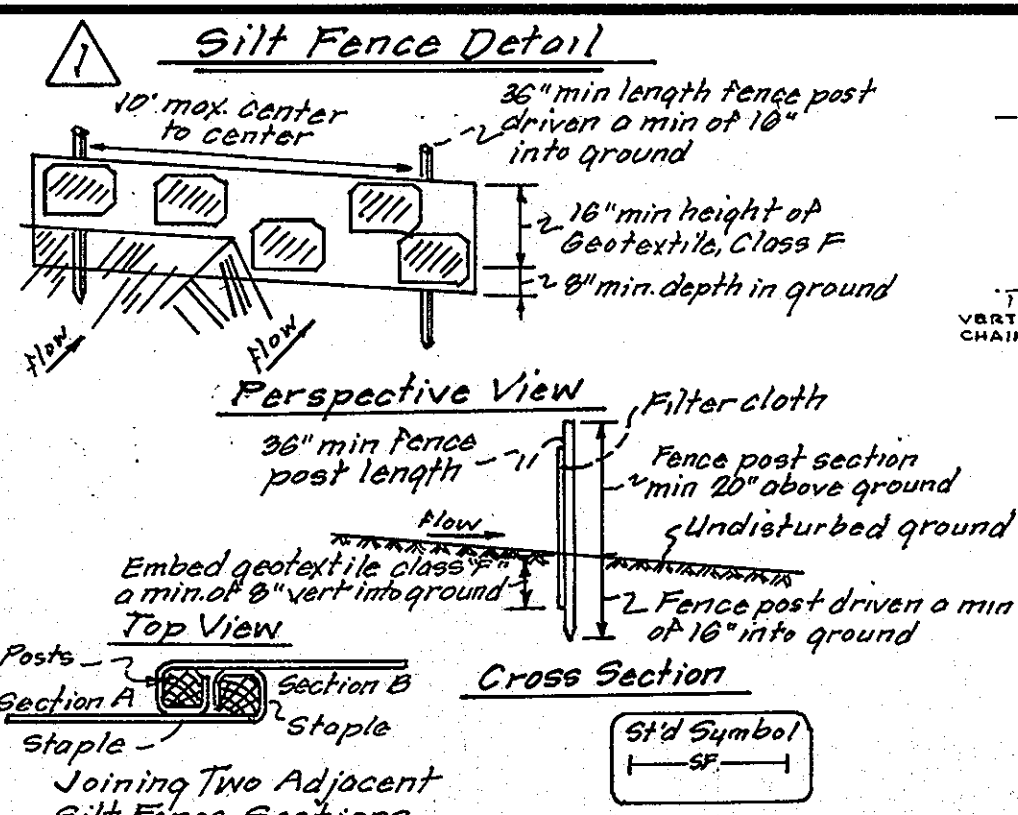
REVISION #1 2/15/08
 ASHER COLLINS AND CARVER, INC. APPENDUM No 1 5-AUG-14

MCLEOD FERRARA ENSIGN
 CHARTERED ARCHITECTS
 301/652-2775
 1515 FIVE
 MARYLAND
 ANNAPOLIS, MARYLAND 21403

ST. JOHN'S LANE ELEMENTARY SCHOOL
 2ND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

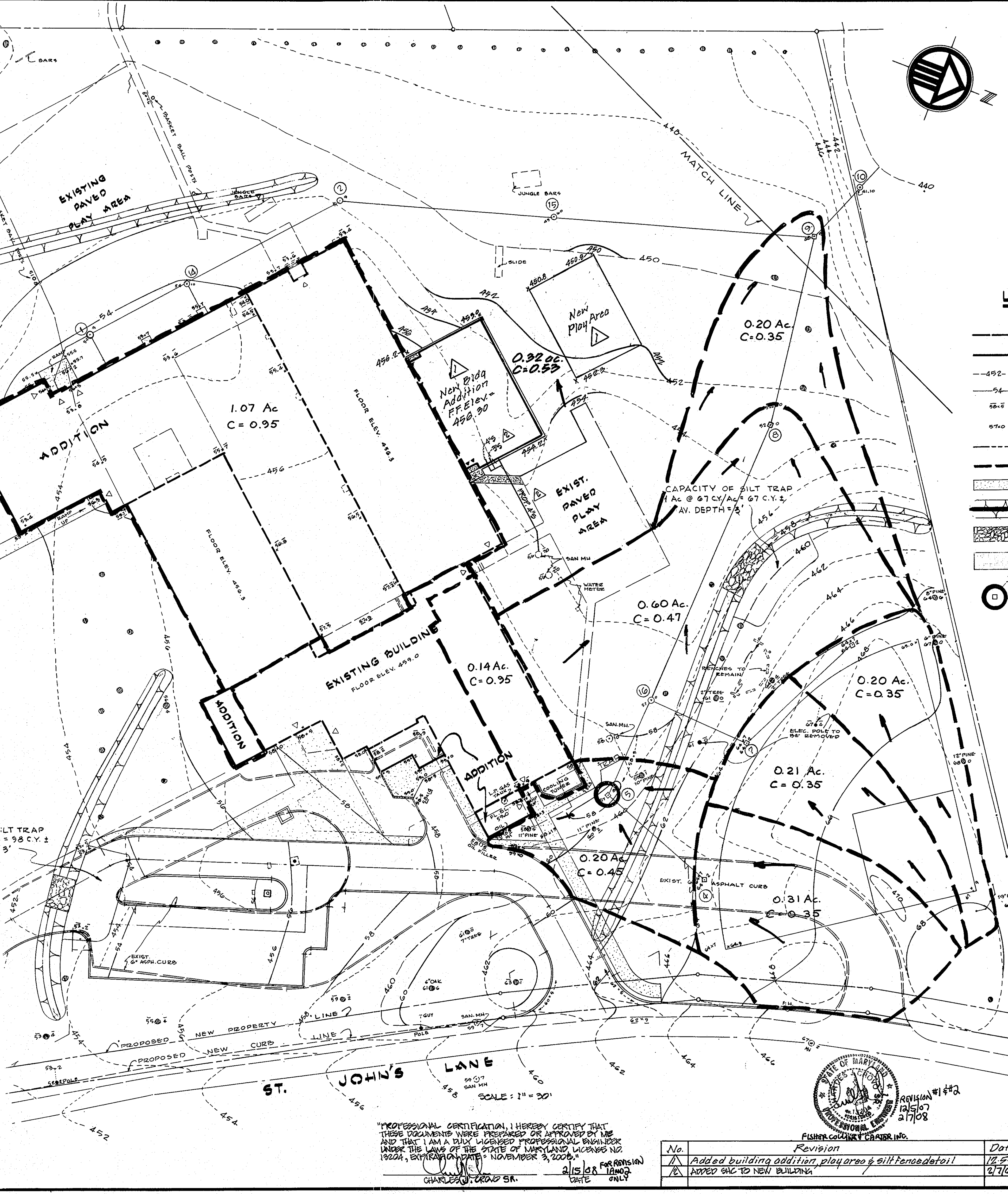
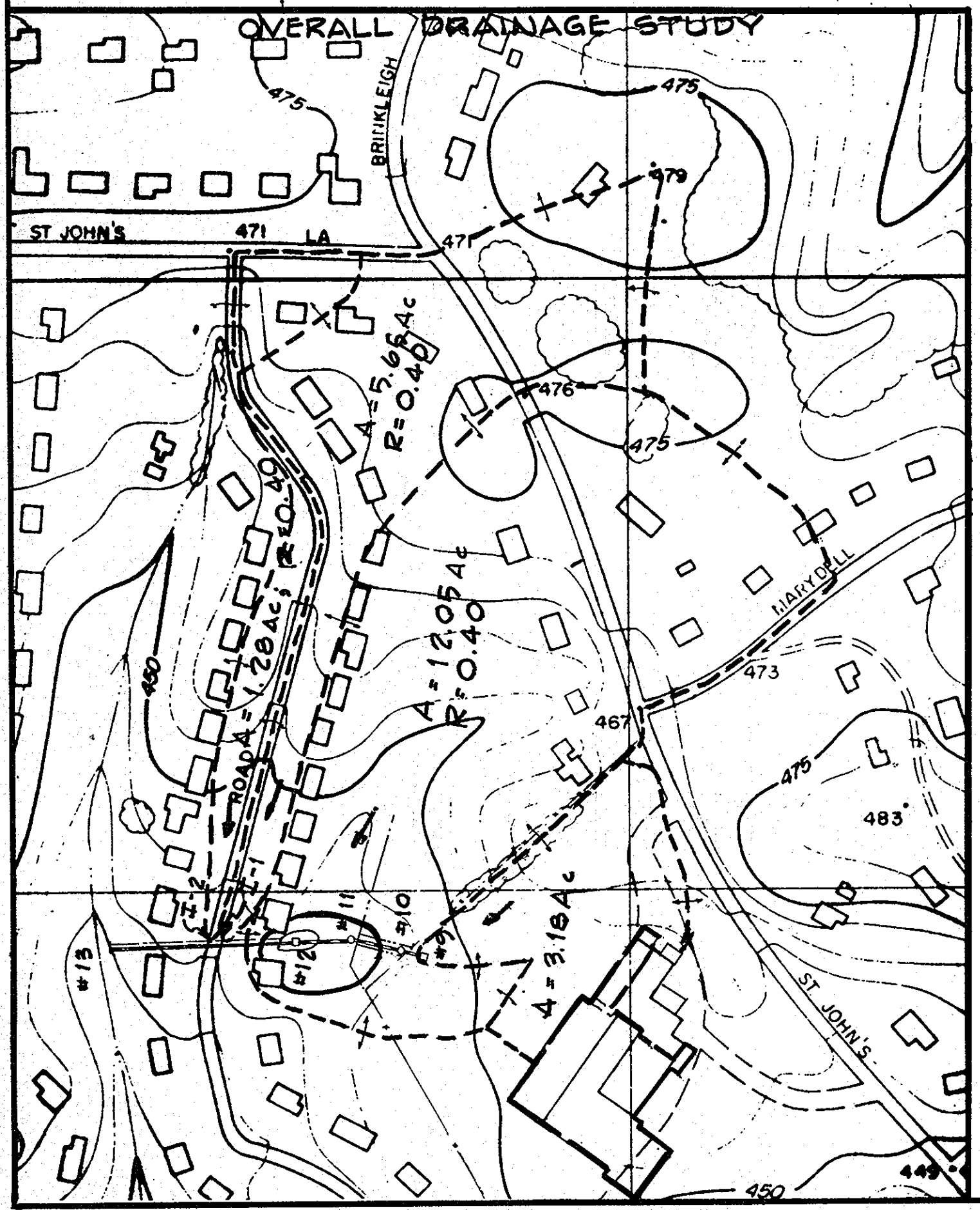
LAYOUT PLAN
 SHEET G-1
 1 OF 4 SHEETS

COMM. No. _____
 DRAWN BY: A.D.
 CHECKED BY: _____
 DATE: 8-1-74
 SHEET No. G-1



LEGEND

- EXISTING BUILDINGS
- - - PROPOSED NEW ADDITIONS
- - - EXISTING CONTOURS
- - - DESIGN CONTOURS
- 58.6 EXISTING SPOT GRADES
- 57.0 DESIGN SPOT GRADES
- - - PROPERTY LINE
- - - DRAINAGE DIVIDES
- [Pattern] NEW CONC. WALK OR SLAB
- [Pattern] TEMP. EARTH INTERCEPTOR DIKE SEE DETAIL G-4
- [Pattern] TEMP. STONE INTERCEPTOR DIKE SEE DETAIL G-4
- [Pattern] TEMP. SILT TRAP SEE DETAIL G-4
- TRAP
- TRAP FOR STRUCTURE SEE DETAIL G-4



APPROVED
DIVISION OF LAND DEVELOPMENT
AND TRANSPORTATION PLANNING
HOWARD COUNTY, MARYLAND
DATE 8/21/74
J.H. Dawson

APPROVED: Board of Planning & Zoning DATE 10-1-74 PLANNING DIRECTOR	APPROVED: For Public Water and Public Sewerage Systems, Board of Health DATE 10/1/74 COUNTY HEALTH OFFICER	APPROVED: For Public Water, Public Sewerage and Storm Drainage Systems and Streets DATE 10/1/74 COUNTY ENGINEER
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"PROFESSIONAL CERTIFICATION, I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 19224, EXPIRATION DATE: NOVEMBER 3, 2008."
CHARLES W. CRAIG SR. 2/15/08 DATE ONLY

No.	Revision	Date
1	Added building addition, play area & silt fence detail	12/5/07
2	ADDED GAC TO NEW BUILDING	2/7/08

MCLEOD FERRARA ENSIGN
5484 WISCONSIN AVENUE, SUITE 1828
CHEVY CHASE, MARYLAND 20815-2778
301/652-2778

MCLEOD FERRARA ENSIGN
CHARTERED ARCHITECTS

MIFE

DRAINAGE DIVIDES

ST. JOHN'S LANE
ELEMENTARY SCHOOL
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

COMM. No.
DRAWN BY:
CHECKED BY:
DATE:
SHEET No. **DD-1**
2 OF SHEETS

SOP-75-03

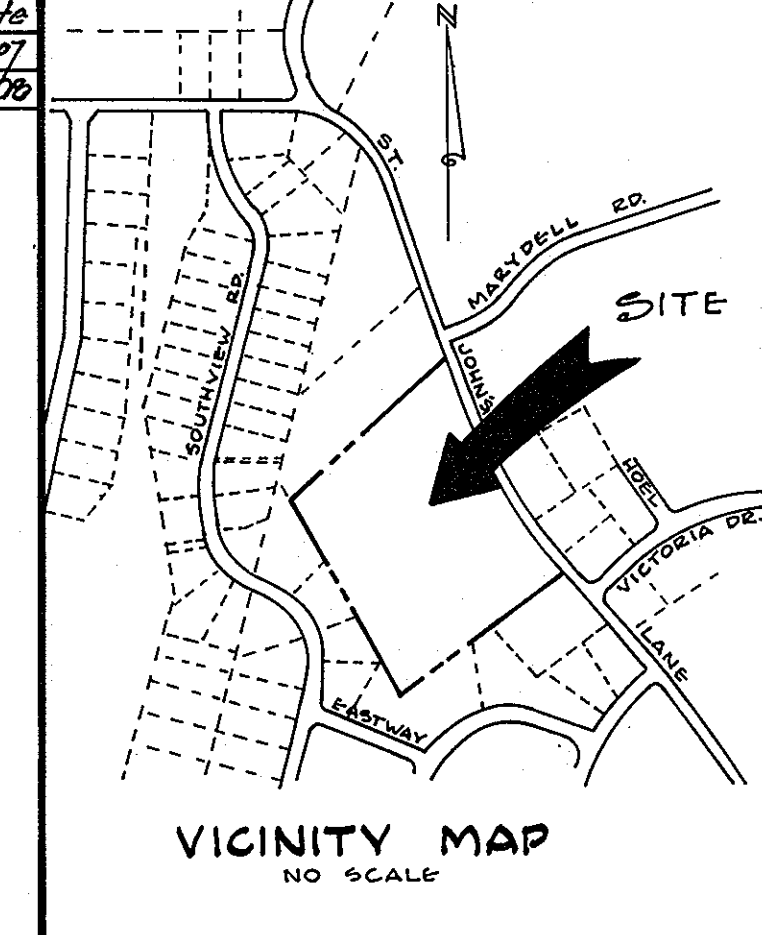
Construction Sequence for Classroom Addition

1. Obtain grading permit.
2. Notify "Miss Utility" at least 48 hours before beginning any work at 1-800-257-7777. Notify the Howard County Office of Construction Inspection 24 hours before starting work.
3. Install sediment control measures as shown on the plans, 1 week.
4. Grade the classroom addition area to subgrade.
5. Construct classroom addition, 3 months.
6. Fine grade disturbed areas and stabilize with permanent seeding.
7. Notify Howard County Office of Construction Inspection for removal of sediment control measures and stabilize disturbed areas with permanent seeding.

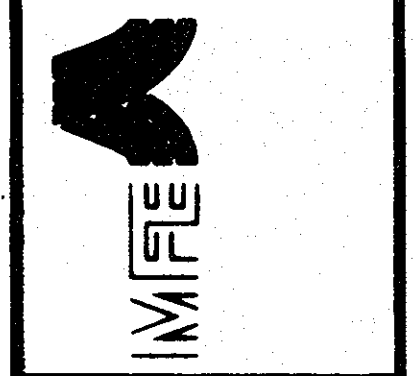
No.	Revision	Date
1	Added bldg addition, play area, const. seq. notes, S.F., L.O.D. & grading	12/4/77
2	ADDED SAC TO NEW BUILDING ADDITION	2/7/08

"PROFESSIONAL CERTIFICATION, I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A duly LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND LICENSE NO. 19204, EXPIRATION DATE: NOVEMBER 3, 2009."

CHARLES A. CRONIN, SR.
FOR REVISION 1/15/08 ONLY
DATE 2/15/08



MCLEOD FERRARA ENSIGN
ARCHITECTS
301/882-2778



GRADING AND SEDIMENT CONTROL PLAN

ST. JOHN'S LANE ELEMENTARY SCHOOL
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

APPENDIX 15A, 74
COMM. No. _____
DRAWN BY: A.D.
CHECKED BY: _____
DATE: 8-1-74
SHEET No. **G-2**
2 OF 4 SHEETS
1954 A
SDP-75-03

LEGEND

- EXISTING BUILDINGS
- PROPOSED NEW ADDITIONS
- EXISTING CONTOURS
- DESIGN CONTOURS
- EXISTING SPOT GRADES
- DESIGN SPOT GRADES
- PROPERTY LINE
- LIMIT OF GRADING
- NEW CONC. WALK OR SLAB
- TEMP. EARTH INTERCEPTOR DIKE (SEE DETAIL G-3)
- TEMP. STONE INTERCEPTOR DIKE (SEE DETAIL G-3)
- TEMP. SILT TRAP (SEE DETAIL G-3)
- TRAP FOR STRUCTURE (SEE DETAIL G-3)
- CAP FOR STRUCTURE (SEE DETAIL G-3)

CONSTRUCTION SCHEDULE

1. Install Dikes and construct Trap
2. Strip Topsoil
3. Commence grading operations.
4. Install Curb and Gutters and Storm Drains.
5. Repair Dikes and Traps where disturbed by Curb or Storm Drain Construction.
6. Install Bituminous Concrete Base Course at paved areas.
7. Fine grade; fertilize, lime, sod and mulch all disturbed unpaved areas.
8. Remove Sediment Traps and Dikes and stabilize disturbed areas.
9. Inspection/Survey Division must be contacted 48 hours prior to construction. Call at 465-5000 Extension 296 or 297.

APPROVED DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION
HOWARD COUNTY, MARYLAND
DATE 8/21/74

APPROVED: For Public Water and Public Sewerage Systems, Howard County Health Department
DATE 10/1/74

APPROVED: Howard County Office of Planning & Zoning
DATE 10-1-74

APPROVED: For Public Water, Public Sewerage and Storm Drainage systems and Roads
HOWARD COUNTY Department of Public Works
DATE 9/10/74

APPROVED: Chief, Bureau of Highways
DATE 9-10-74

DEVELOPER'S CERTIFICATION

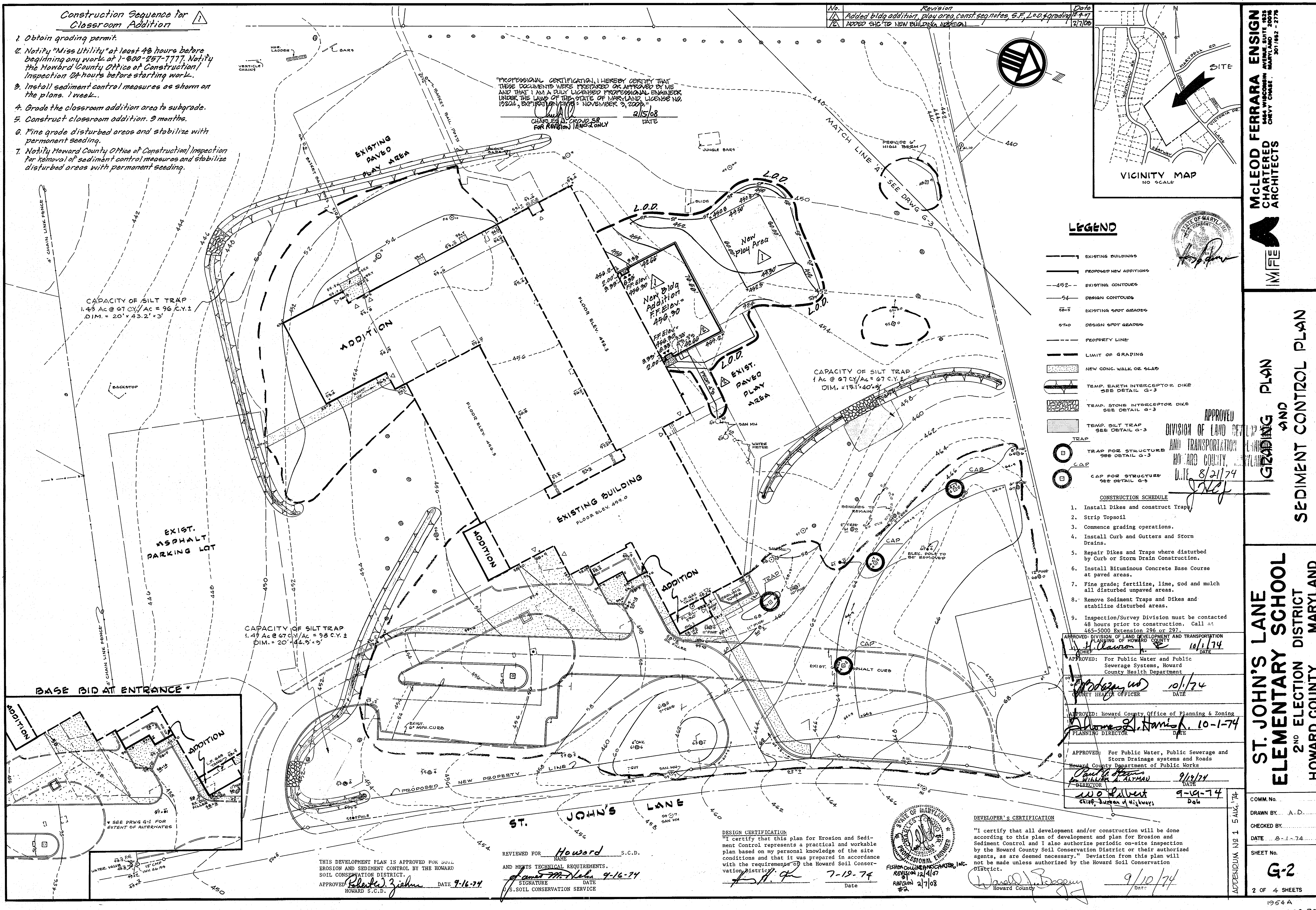
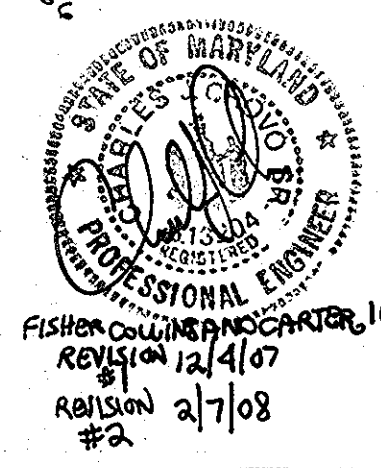
"I certify that all development and/or construction will be done according to this plan of development and plan for Erosion and Sediment Control and I also authorize periodic on-site inspection by the Howard County Soil Conservation District or their authorized agents, as are deemed necessary." Deviation from this plan will not be made unless authorized by the Howard Soil Conservation District.
Ward J. Peggery
Howard County
DATE 9/10/74

DESIGN CERTIFICATION

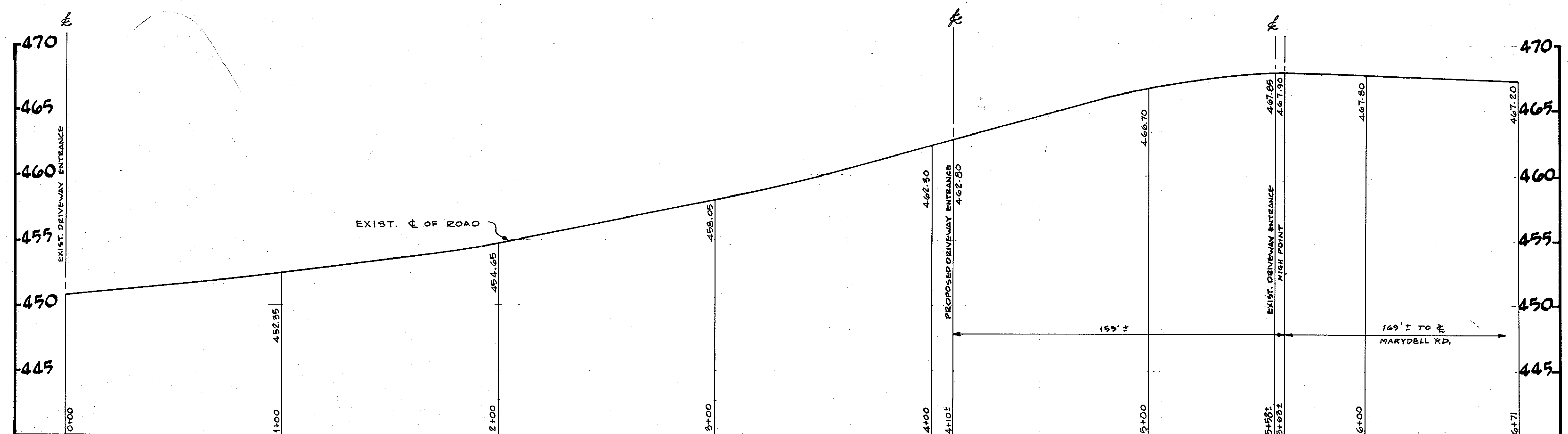
"I certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."
7-19-74
Date

REVIEWED FOR: Howard S.C.D.
AND MEETS TECHNICAL REQUIREMENTS.
SIGNATURE: James M. Nelson
DATE: 9-16-74
S. SOIL CONSERVATION SERVICE

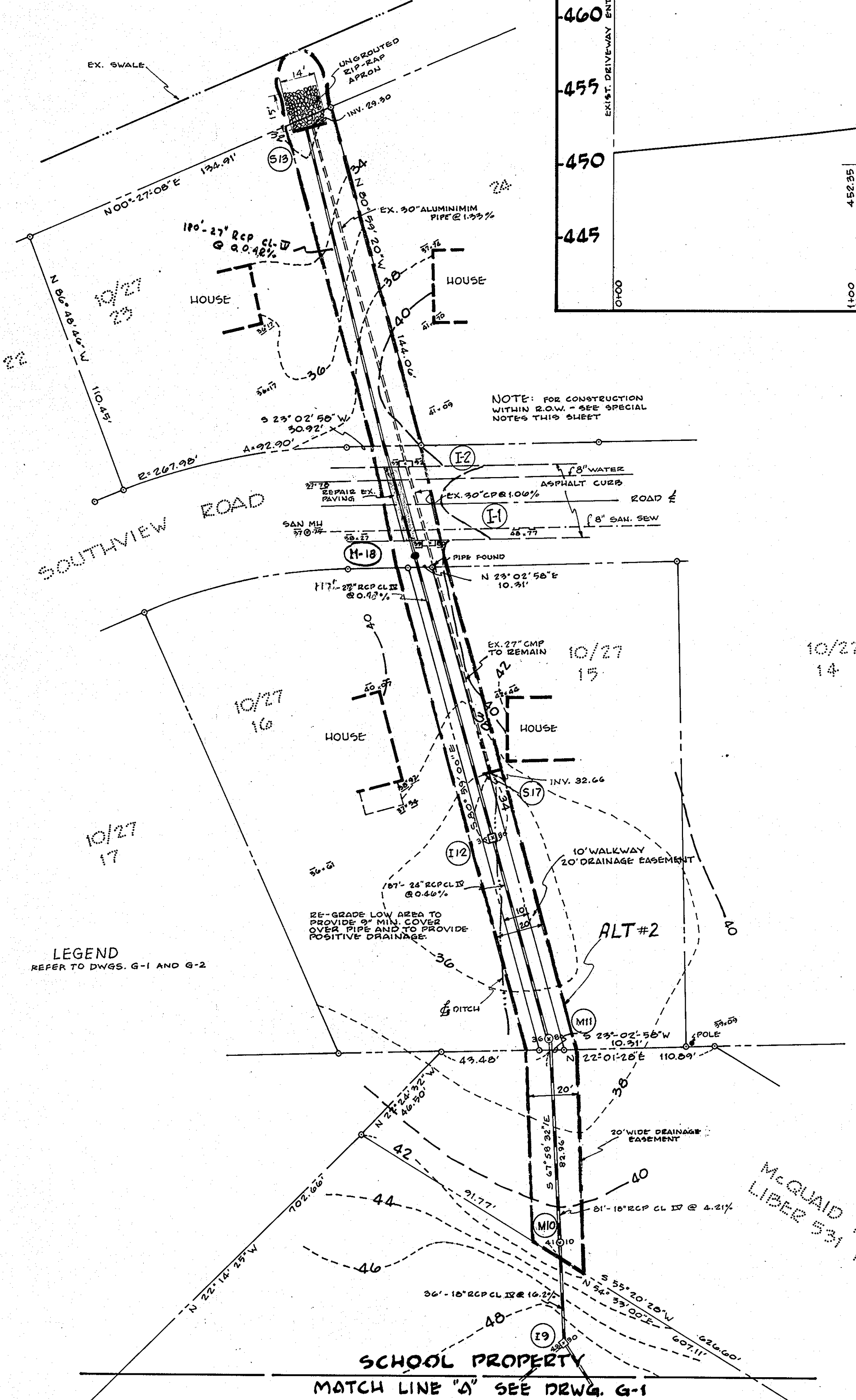
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
APPROVED: Robert J. Zichner
HOWARD S.C.D.
DATE 9-16-74



- SPECIAL NOTES**
1. Notify John Riddle of the Department of Public Works 72 hours prior to commencing construction.
 2. Refer to note #10 of General Notes regarding Test Pits; special care must be taken not to disturb existing Water and Sewer pipes during excavation.
 3. Traffic within Public Right of Way shall be maintained at all times; provide Baricades and Flagmen.
 4. Backfill shall be compacted to 95% density at optimum moisture content.
 5. Repair disturbed paving within street to meet original conditions.

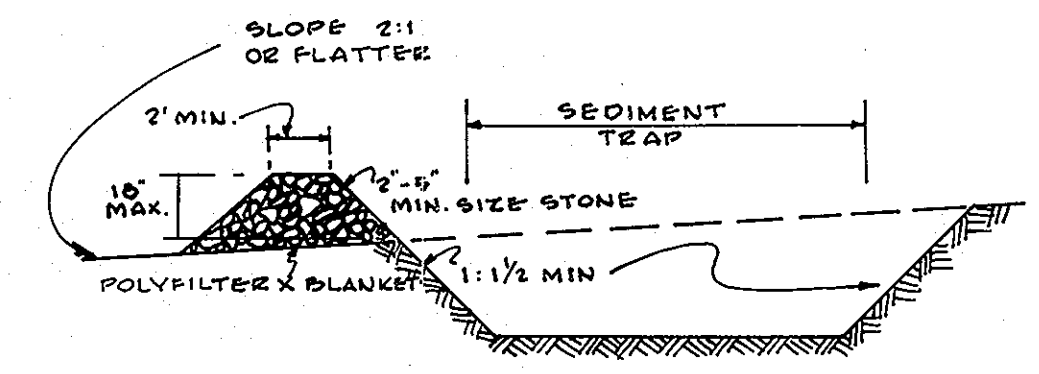


ST. JOHN'S LANE - ROAD & PROFILE
SCALE: HOR. 1" = 50'; VERT. 1" = 5'

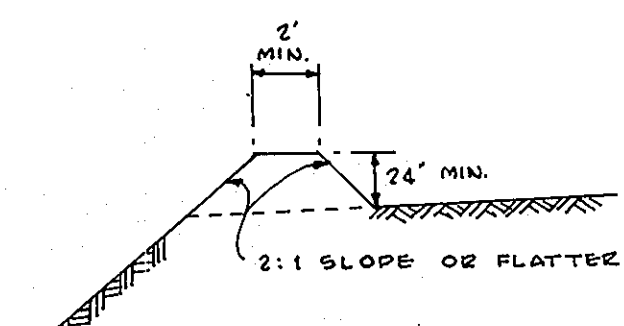


LEGEND
REFER TO DWGS. G-1 AND G-2

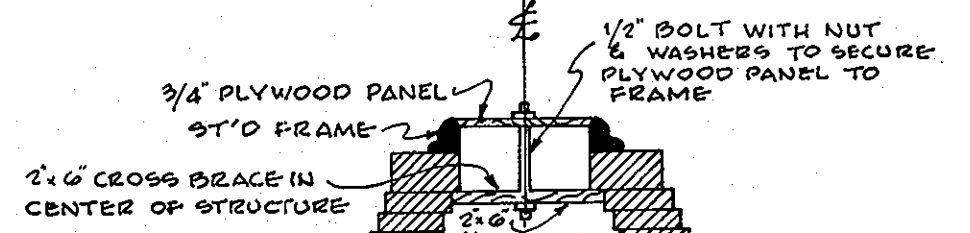
SCALE: 1" = 30'



SECTION INTERCEPTOR DIKE AT STONE OUTFALL
NO SCALE



TYPICAL SECTION INTERCEPTOR DIKE (TEMPORARY)
NO SCALE

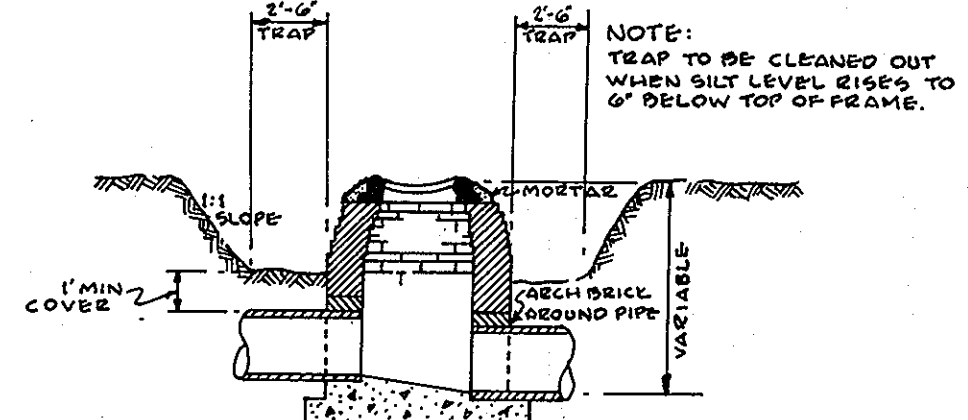
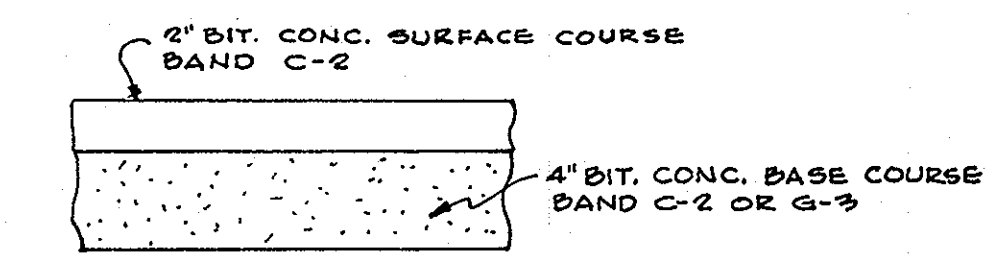


INLET FRAME W/ TEMPORARY PLYWOOD TOP FOR SEDIMENT CONTROL

No.	Revision	Date
1	Added Stabilized Construction Entrance Detail	12.5.07

TYPICAL PAVING SECTION FOR ROADWAY & PARKING
(SEE NOTES 1 & 2 RE. TACK & PRIME COAT)

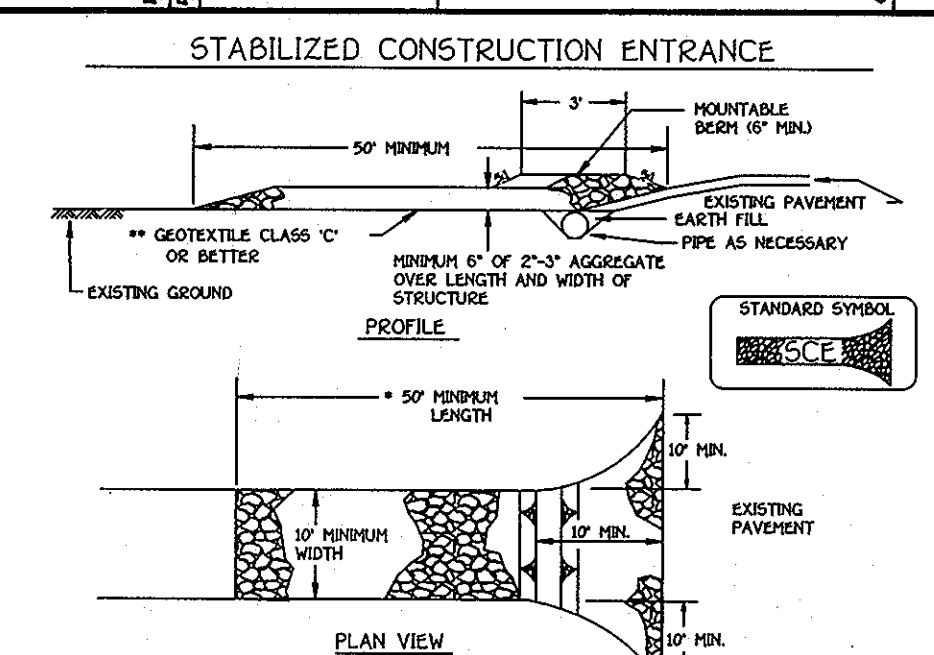
1. Subgrade shall be primed in accordance with Section C-30-3 of the Howard County Road Construction Code.
2. Bituminous Concrete Base Course shall receive a Tack Coat in accordance with Section C-31-4 of the Howard County Construction Code.



TYPICAL SECTION INLET W/ SILT TRAP
NO SCALE

Sediment Control Notes

1. All sediment control features shall be constructed and stabilized in accordance with the approved plans and in accordance with Standards and Specifications for Soil Erosion and Sediment Control in Urbanizing Areas, prior to other grading on this site.
2. Sediment control features may be adjusted to meet field conditions at the time of construction.
3. Periodic inspection and maintenance of all sediment control structures and features must be provided to insure that the intended purpose is accomplished. All disturbed areas shall be stabilized immediately following fine grading. No temporary sedimentation measures are to be removed without permission by Soil Conservation District or the Bureau of Inspections and Permits and only just prior to stabilization of the tributary areas.
4. Topsoiling to meet all applicable requirements of the current standard specifications of the Road Construction Code of Howard County and the "Standards and Specifications for Soil Erosion and Sediment Control in Urbanizing Areas".
5. Lime shall be spread at the rate of one ton per acre in lieu of the requirements given on page 3.700 of the aforesaid standards and specifications of the Road Construction Code of Howard County and the "Standards and Specifications for Soil Erosion and Sediment Control in Urbanizing Areas".
6. Fertilizer 5-10-10 or equivalent shall be applied at the rate of 1700 lbs. per acre.
7. Mixture for permanent seeding shall be 230 lbs. per acre of Kentucky # 31 Tall Fescue and 20 lbs. per acre of annual Rye.
8. Immediately after seeding, these areas shall be uniformly mulched - refer to page 3.101 of above-mentioned spec. - asphalt mulch tie down is required.
9. Any additional suitable material including topsoil shall be brought in at no extra expense to the owner.



- Construction Specification**
1. Length - minimum of 50' (30' for single residence lots).
 2. Width - 10' minimum, should be flared at the existing road to provide a turning radius.
 3. Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. *The plan approval authority may not require single family residences to use geotextile.
 4. Stone - crushed aggregate 1/2" to 3/4" or reclaimed or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance.
 5. Surface Water - All surface water flowing to or diverted toward construction entrances shall be piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a malleable berm with 5:1 slope and a minimum of 6" of slope over the pipe. Pipe has to be sized according to the drainage. When the SOC is located at a high spot and has no drainage to convey a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum will be required.
 6. Location - A stabilized construction entrance shall be located at every spot where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance.

APPROVED
DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
BY: [Signature]
DATE: 3/21/74

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
FISHER COUNTY CHARTERING

APPROVED - DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING OF HOWARD COUNTY.
J.H. Clawson, Chief, 10/1/74
W.O. [Signature], Chief, Bureau of Highway, 9-19-74

APPROVED - For Public Water and Public Sewerage Systems, Howard County Health Department
[Signature], COUNTY HEALTH OFFICER, 10/1/74

APPROVED - Howard County Office of Planning & Zoning
[Signature], PLANNING DIRECTOR, 10-1-74

APPROVED - For Public Water, Public Sewerage and Storm Drainage systems and Roads
Howard County Department of Public Works
[Signature], DIRECTOR, 9/19/74

MCLEOD FERRARA ENSIGN
444 WISCONSIN AVENUE SUITE 1822
CHEVY CHASE, MARYLAND 20815
301/762-2776

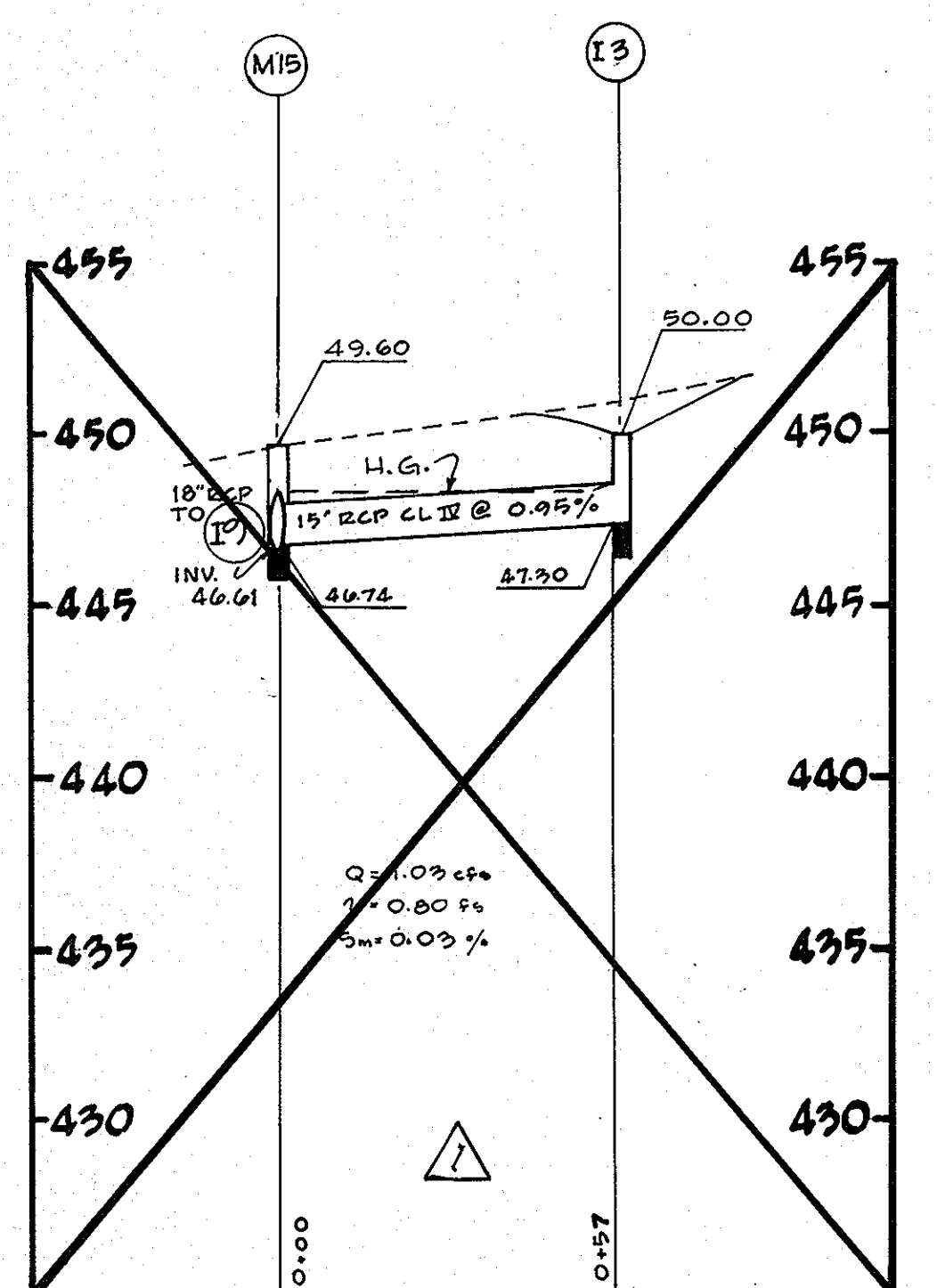
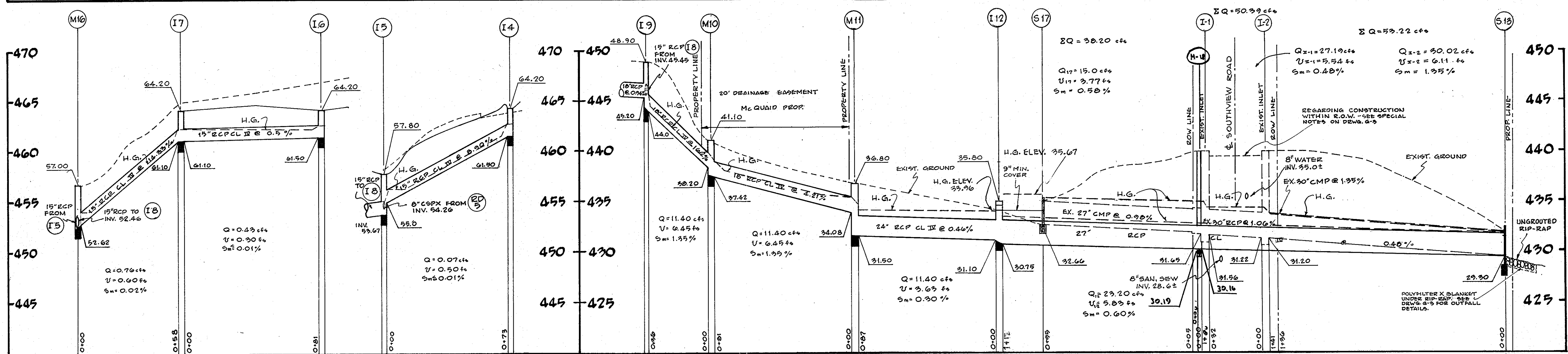
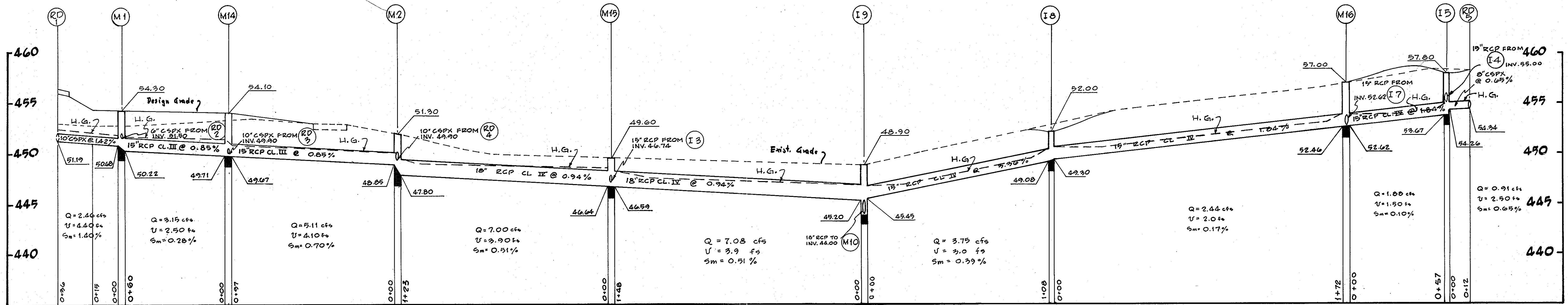
CHARTERED ARCHITECTS

INMIFE

STORM SEWER OUTFALL AND DETAILS

ST. JOHN'S LANE ELEMENTARY SCHOOL
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

COMM. No. _____
DRAWN BY: A.D.
CHECKED BY: _____
DATE: 8-1-74
SHEET No. **G-3**
3 OF 4 SHEETS



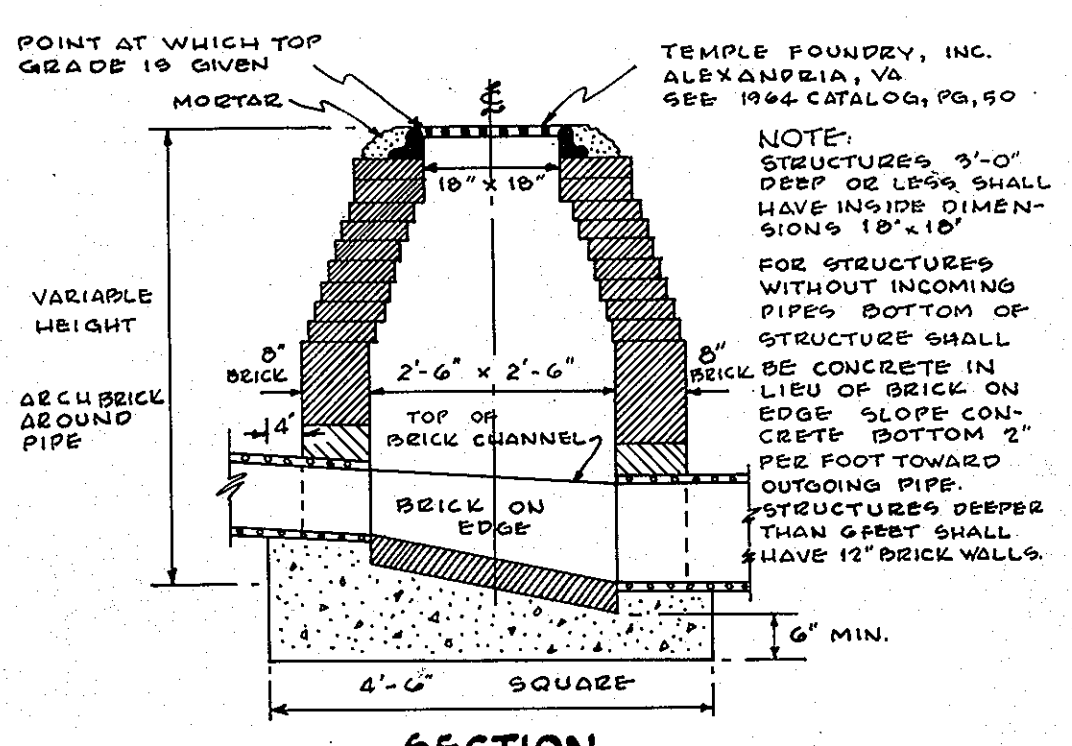
STRUCTURE TABLE

NO.	TYPE	TOPELEV.	REMARKS	INV. OUT
M 1	A-3 MANHOLE	54.30	DRW. STD. SDD-8	50.22
M 2	"	51.30	"	47.80
I 3	YARD INLET	50.0	DRW. STD. SDD-49	47.30
I 4	"	64.20	"	61.50
I 5	SPECIAL YD	57.80	SEE DETAIL	53.67
I 6	YARD INLET	64.20	DRW. STD. SDD-49	61.50
I 7	"	64.20	"	61.10
I 8	"	52.0	"	49.08
I 9	SPECIAL YD	48.90	SEE DETAIL	45.20
M 10	A-3 MANHOLE	41.1	DRW. STD. SDD-8	37.42
M 11	"	35.8	"	31.50
I 12	D' INLET	35.8	DRW. STD. SDD-34	30.75
S 13	B' HEADWALL	-	DRW. STD. SDD-21 FOR 27" PIPE	29.30
M 14	A-3 MANHOLE	54.10	DRW. STD. SDD-8	49.67
M 15	"	49.60	"	46.59
M 16	"	52.00	"	52.46
S 17	B' HEADWALL	-	DRW. STD. SDD-21 FOR 27" PIPE	32.66
M 18	A-2 MANHOLE	39.9 ±	DRW. STD. SDD-21	32.16

* INCREASE LENGTH APPROX. 4' TO INCLUDE EXIST. 30" CMP
 ** CONSTRUCT HEADWALL AROUND EX. 27" CMP

STORM DRAIN PROFILES

SCALE: HORIZ. 1"=30'; VERT. 1"=5'



NOTE: STRUCTURES 3'-0" DEEP OR LESS SHALL HAVE INSIDE DIMENSIONS 18" x 18". FOR STRUCTURES WITHOUT INCOMING PIPES BOTTOM OF STRUCTURE SHALL BE CONCRETE IN LIEU OF BRICK ON EDGE SLOPE CONCRETE BOTTOM 2" PER FOOT TOWARD OUTGOING PIPE. STRUCTURES DEEPER THAN 3' SHALL HAVE 12" BRICK WALLS.

No.	Revision	Date
1	Eliminated 13" RCP between M15 & I3, eliminated I3	12-5-07

GENERAL NOTES

- For Building Dimensions and Additional Details refer to Architectural Drawings.
- For Sanitary Sewer, Water, and Storm Sewers within 5 feet of Building Perimeter refer to Mechanical Plans.
- For all electrical work refer to Electrical Plans.
- Repair grass area where disturbed by utility construction.
- All disturbed, unpaved areas to be topsoiled, fertilized, limed, seeded and mulched. Work within the Storm Sewer Easement to be sodded.
- Existing conditions based on Survey by Associated Engineers, Inc., during January and March, 1974. Bench Mark Used: Sewer Invert, MH-933 at intersection of St. John's Lane and Maryland Road; Elev. 453.75'.
- All excess or unsuitable material to be removed by contractor at no extra cost.
- Any suitable fill material to be provided by contractor at no extra cost.
- All construction and materials shall be in accordance with Howard County Road Construction Code, and applicable provisions of the Maryland State Highway Administration "Specification for Materials, Highways, Bridges and Incidental Structures".
- All existing utilities are based on available records and were field-checked where possible. Contractor must dig test pits by hand at all utility crossings and connection points to verify exact location and inverts well in advance of construction. If clearances are not as shown or if a conflict is anticipated, Architect shall be notified before proceeding with trenching.
- All exposed portions of channels, frames and grates of storm drainage structures shall receive two coats of an approved paint.
- All structures having a depth of 3 feet or more shall have C.I. manhole steps, staggered at 15" O.C.
- Standard Curb and Gutter for drives and parking area to be Howard County S'td 7" Combination Curb and Gutter as shown on Drawing D-40, page 95 of the County Standards.
- All existing paving, curbs, walks and seeded areas, disturbed by this construction shall be repaired as necessary to meet Architect's and Owner's approval.
- Contact "MISS UTILITY" AT LEAST 24 HOURS PRIOR TO COMMENCING EXCAVATION.

APPROVED: DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING OF HOWARD COUNTY

APPROVED: *J. H. Lawson* 10/1/74
 CHIEF DATE

APPROVED: *J. H. Lawson* 10-1-74
 COUNTY HEALTH OFFICER DATE

APPROVED: *J. H. Lawson* 10-1-74
 COUNTY PLANNING & ZONING DIRECTOR DATE

APPROVED: *J. H. Lawson* 9/19/74
 COUNTY HEALTH OFFICER DATE

APPROVED: DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING OF HOWARD COUNTY

DATE: 8/21/74

MCLEOD FERRARA ENSIGN
 5454 WISCONSIN AVENUE, SUITE 1022
 CHEVY CHASE, MARYLAND 20815-2775

IMF

STORM SEWER PROFILES

ST. JOHN'S LANE ELEMENTARY SCHOOL
 2ND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

COMM. No. _____
 DRAWN BY: A.D.
 CHECKED BY: _____
 DATE: 8-1-74
 SHEET No. **G-4**
 4 OF 4 SHEETS