

VICINITY MAP
SCALE: 1" = 2000'
TOTAL AREA OF PROPERTY: 27 AC

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 County Soil Conservation District.

Henry Holmberg Sept 24, 1986
Signature Date

TRENCH #	REQUIRED VOLUME OF STORAGE (CF)	TRENCH WIDTH	TRENCH DIM. LENGTH	DEPTH OF EXCAVATION	DEPTH OF STORAGE	INVERT ELEV. OVERFLOW PIPE	BOTTOM ELEV.	T/STONE ELEV.
I	2234	15.5'	24.1'	8.50'	6.0'	241.42	235.42	243.0
II	2234	15.5'	24.1'	8.50'	6.0'	241.42	235.42	243.0

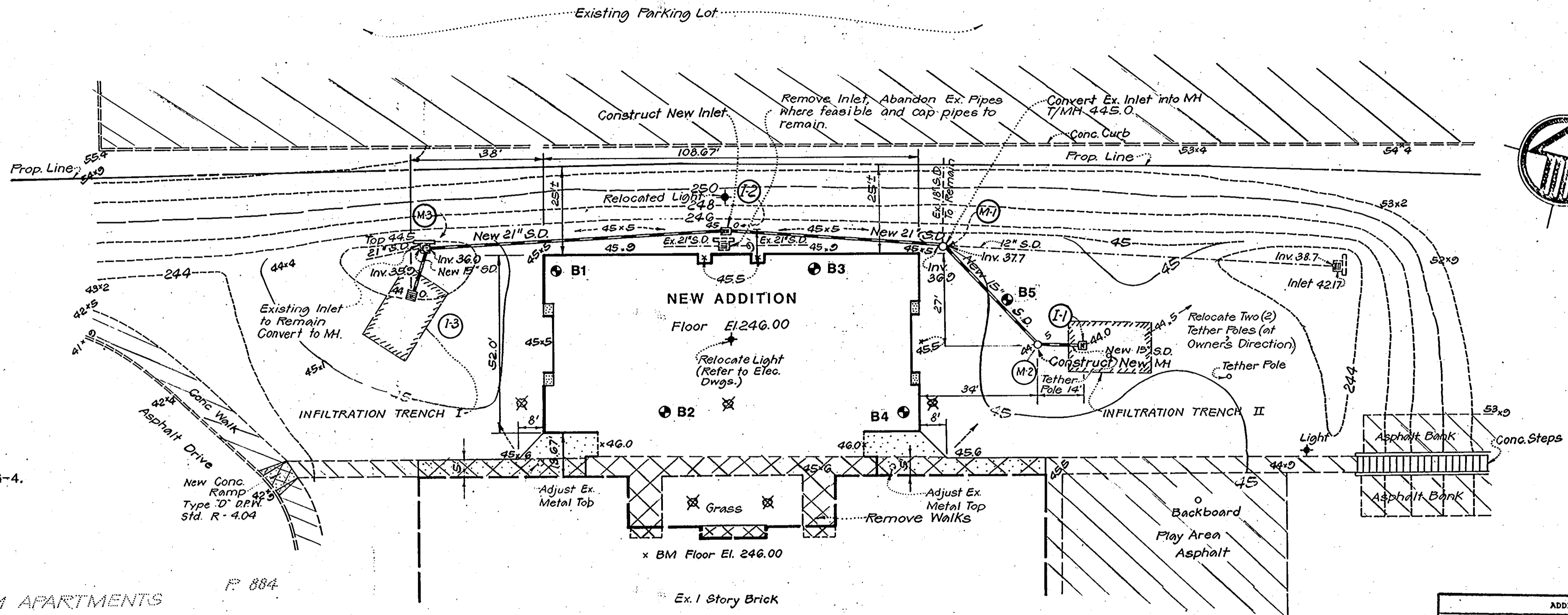
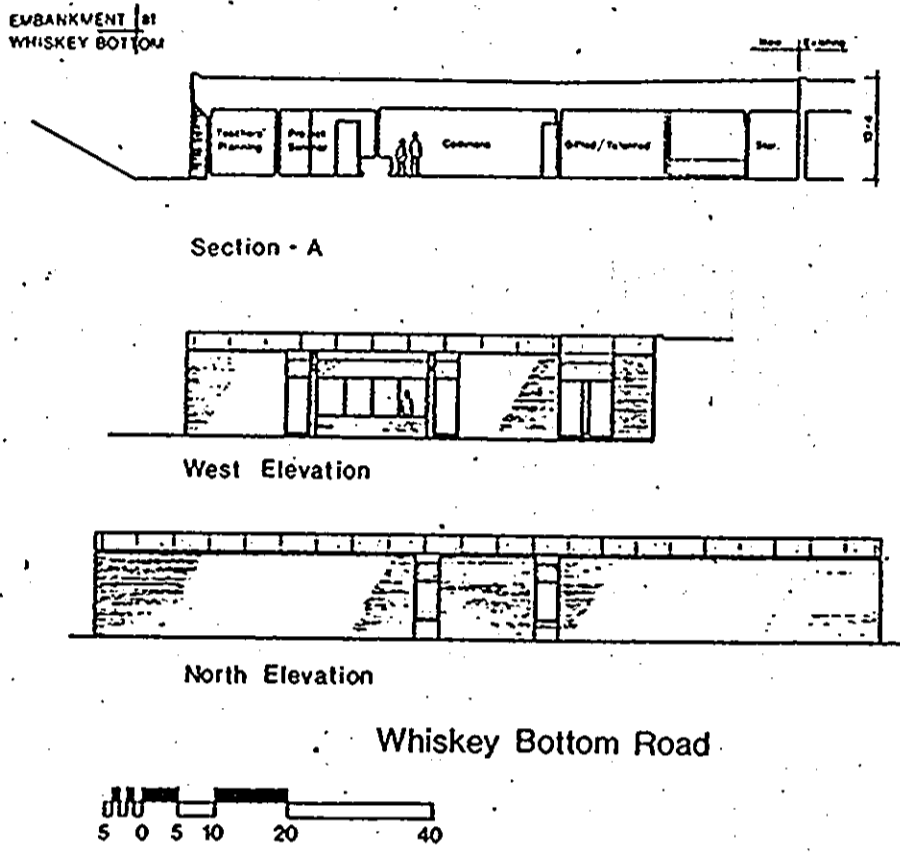
NOTE: VOLUME OF STONE ABOVE DEPTH OF VOLUME STORAGE SERVES AS FILLER AND FILTER MATERIAL ONLY.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
James J. ... 10-8-86
COUNTY HEALTH OFFICER DATE

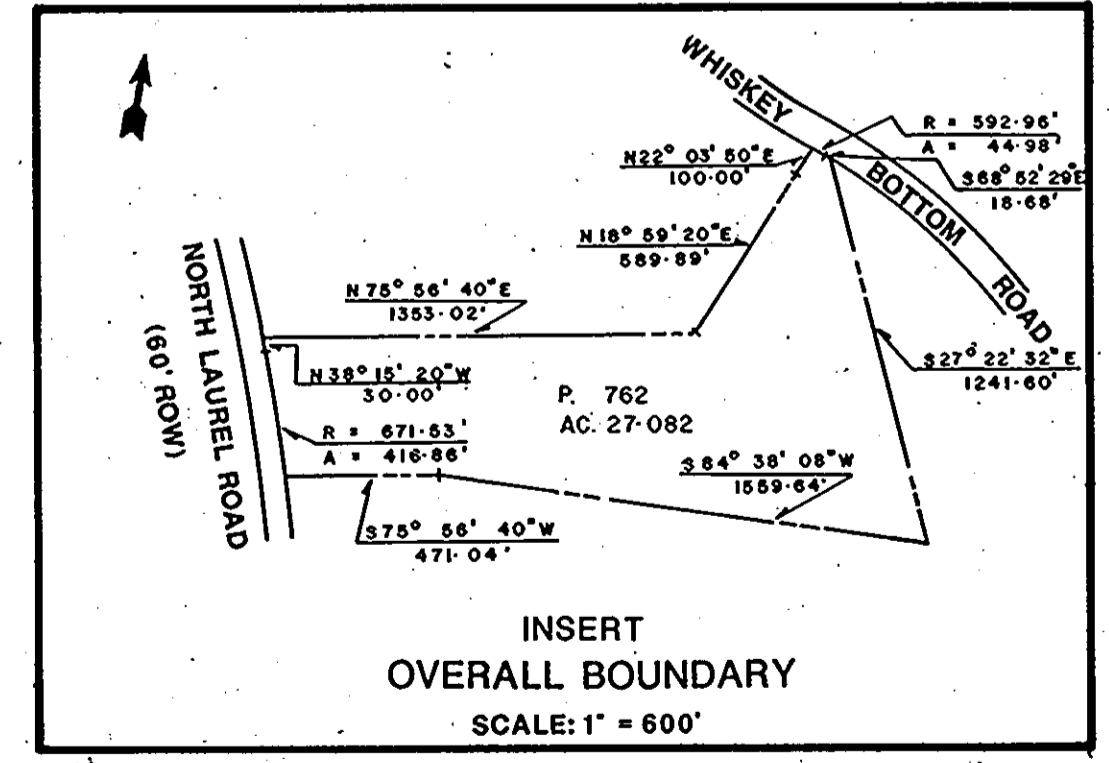
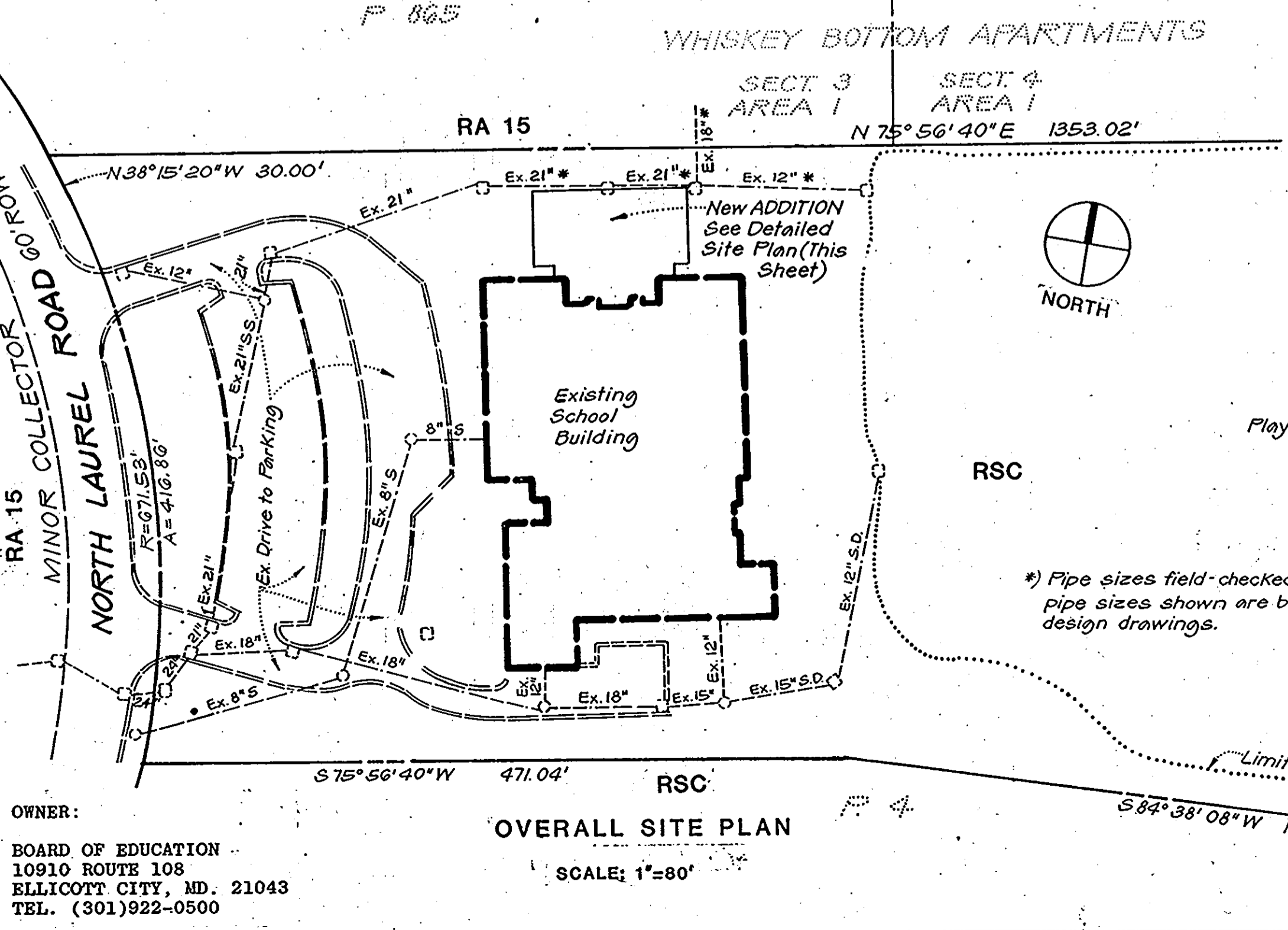
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
Thomas ... 10-9-86
DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
John F. ... 10-3-86
DIRECTOR DATE

APPROVED: DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 9-4-86
...



FOR SEDIMENT CONTROL PLAN REFER TO DWG. G-2.
FOR NOTES AND SEQUENCE OF CONSTRUCTION REFER TO DWG. G-3 AND G-4.



SITE PLAN
SCALE: 1"=20'

SITE INFORMATION:
OWNER: BOARD OF EDUCATION
ADDRESS: 10910 ROUTE 108
ELLCOTT CITY, MD. 21043
TELEPHONE (301) 922-0500
SITE LOCATION: 9250 NORTH LAUREL ROAD
LAUREL, MD. 20707
ELECTION DISTRICT: #6
TAX MAP: 47, PARCEL 762
AREA OF PROPERTY: 27 ACRES
ZONING: RSC
PROPERTY RECORDED IN LIBER: 391, FOLIO: 419
PARKING REQUIRED: 68
PARKING PROVIDED: 68 (EXISTING)

ASSOCIATED ENGINEERS, INC.
5555 SIXTEENTH STREET
SILVER SPRING, MARYLAND 20910
TEL. 301-589-7311

- LEGEND:**
- EXISTING CONTOURS
 - DESIGN CONTOURS
 - EXISTING SPOT GRADES
 - DESIGN SPOT GRADES
 - EXISTING STORM DRAIN PIPES AND STRUCTURES
 - NEW STORM DRAIN PIPES AND STRUCTURES
 - INFILTRATION TRENCH
 - EXISTING PAVING TO BE REMOVED
 - EXISTING PAVING
 - NEW CONCRETE WALK
 - NEW SOIL BORINGS TAKEN
 - TREES TO BE REMOVED

LOT NUMBER	STREET ADDRESS
762	9250 N. Laurel Rd., Laurel, Md. 20707

SUBDIVISION NAME	SECT./AREA	LOT/PARCEL #
PLAT # OR LOT BLOCK #	ZONE	TAX/ZONE MAP
391/419	22/34 R-SC	47/50
ELEC. DIST.	CENSUS TR.	
6	6063	
WATER CODE	SEWER CODE	
C05	7141500	

Building Addition to SDP 72-118

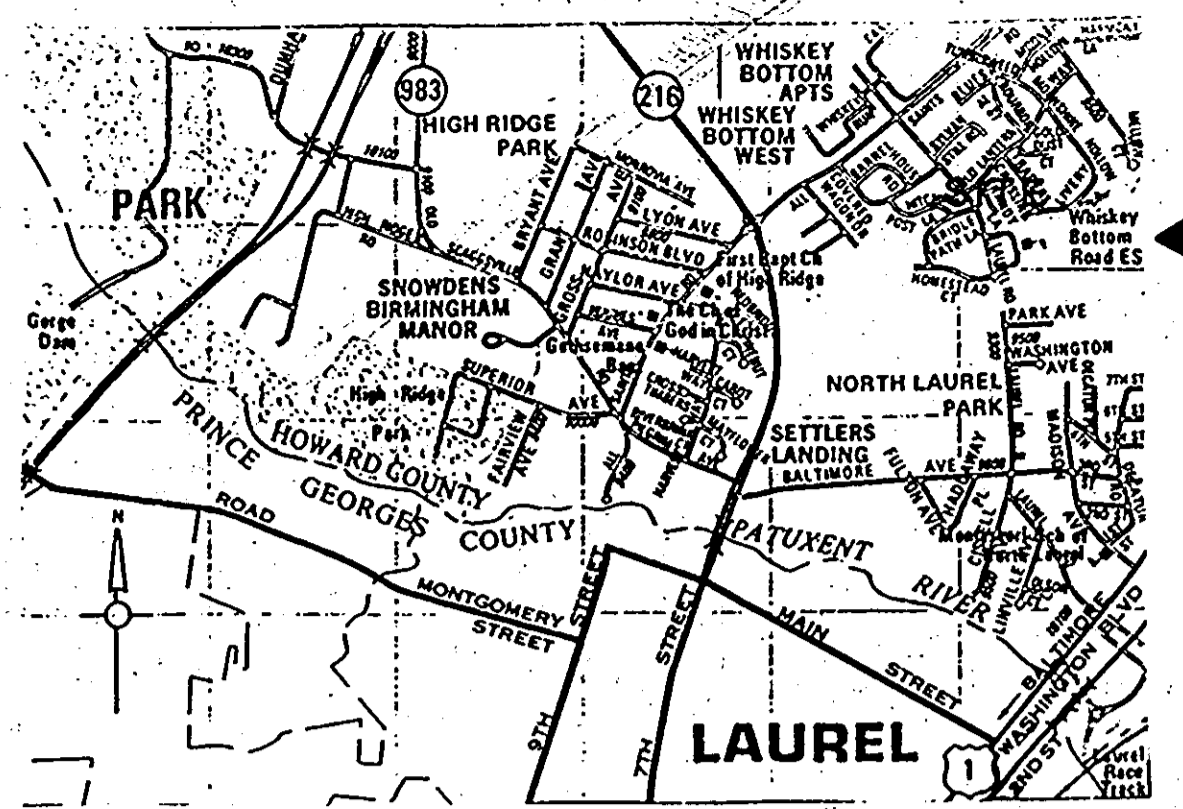
Abraham Eddy and Eckhardt Architects
P.O. Box 477, Great Falls, Virginia 22066 (703) 769-5500

Addition To
Whiskey Bottom Road Elementary School
Howard County Public Schools
Howard County, Maryland
6th Election District

SDP-86-271

SITE PLAN

Date 8/15/86 Rev. 1 OF 1



VICINITY MAP
SCALE: 1" = 2000'
TOTAL AREA OF PROPERTY: 27 AC.

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 County Soil Conservation District.

Henry H. Hanning Sept 24, 1986
Signature Date

RESPONSIBLE PERSONNEL CERTIFICATE

I HEREBY CERTIFY THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION OF THIS PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE OF A DNR APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.

Board of Education of Howard County
DEVELOPER'S NAME AND TITLE SIGNATURE

DESIGN CERTIFICATION

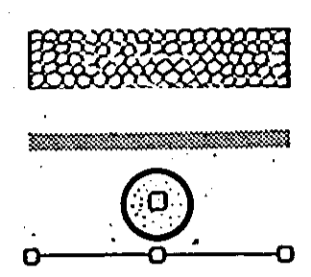
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITION AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

Eva M. Pennington 9/18/1986
SIGNATURE DATE



SEDIMENT CONTROL LEGEND:

- TEMPORARY CONSTRUCTION-ENTRANCE SCE-1
- TEMPORARY SILT FENCE SF-1
- TEMPORARY INLET PROTECTION (STONE FILTER)
- TEMPORARY FENCE (42" HIGH)



THIS DRAWING SHALL BE USED FOR SEDIMENT CONTROL ONLY. REFER TO DWG. G-3 AND G-4 FOR DETAILS AND NOTES.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
John R. Gilm 10-3-86
COUNTY HEALTH OFFICER DATE

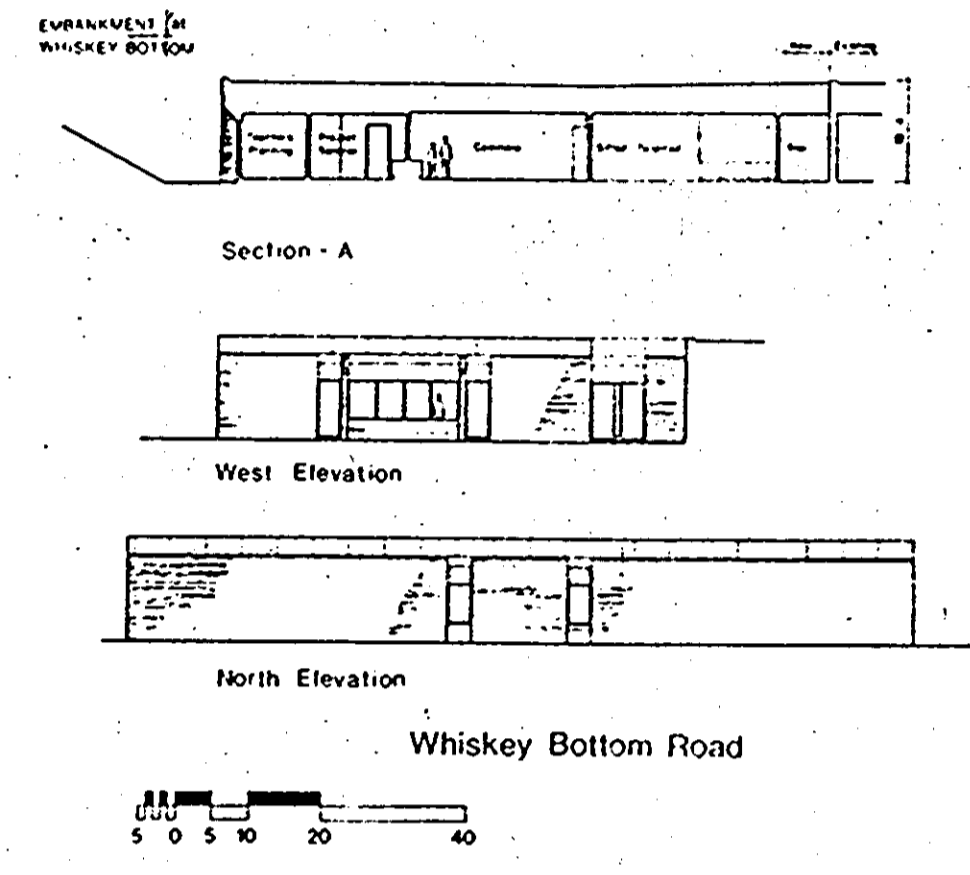
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
James L. Hamilton 10-9-86
DIRECTOR DATE

John W. MacArthur 10-9-86
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

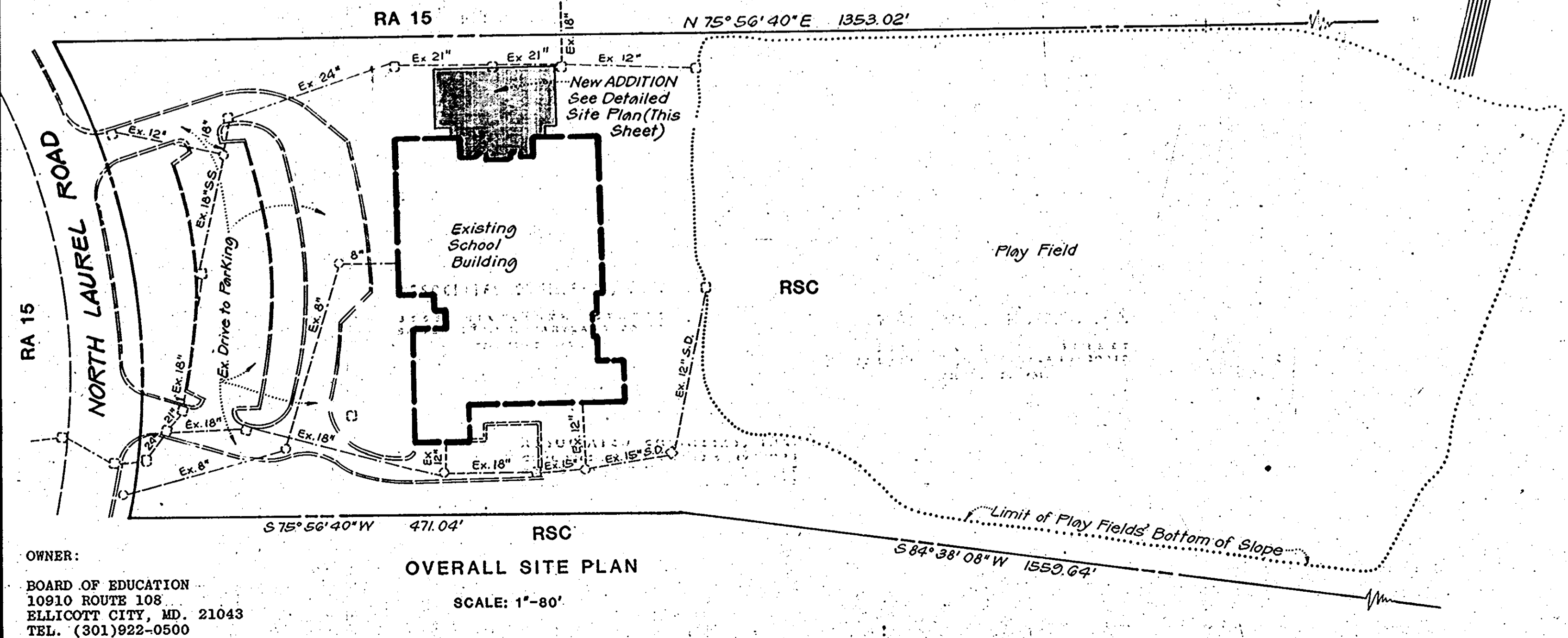
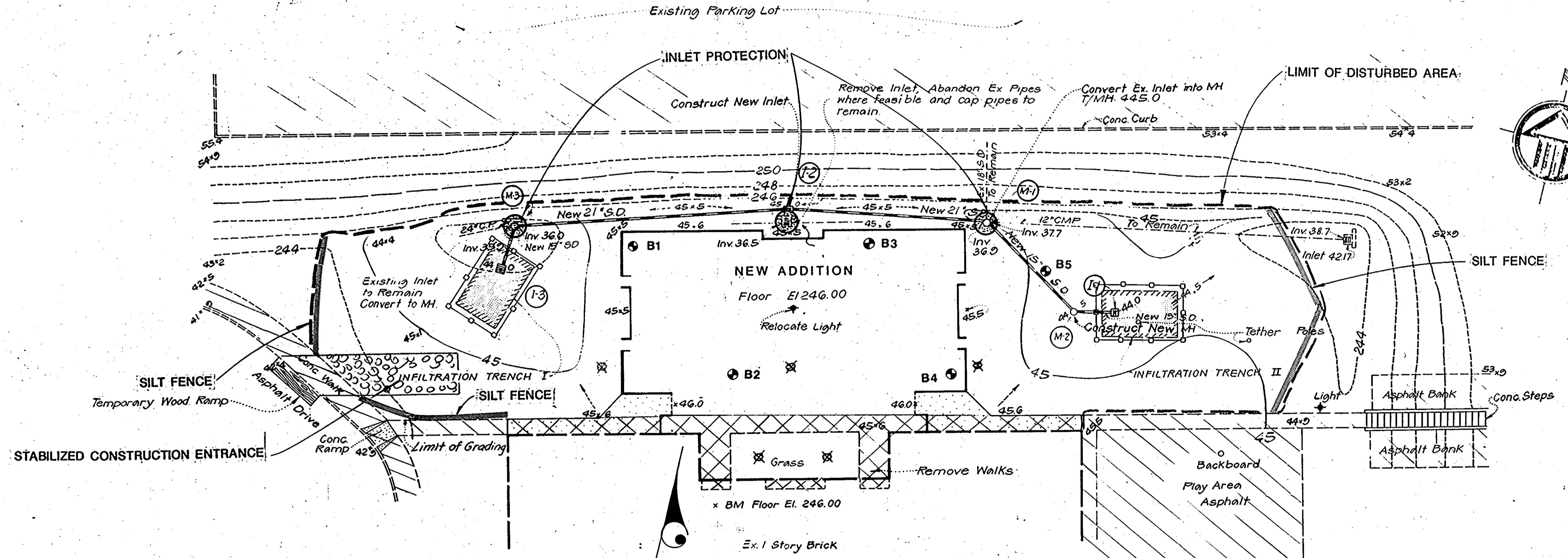
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
John W. MacArthur 10-3-86
DIRECTOR DATE

Walter V. [unclear] 10-28
CHIEF BUREAU OF ENGINEERING DATE

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 9-4-86
W. H. [unclear]



REVIEWED FOR NAME S.C.D.
AND MEETS TECHNICAL REQUIREMENTS
Henry H. Hanning 9/29/86
SIGNATURE DATE
U.S. SOIL CONSERVATION SERVICE
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
APPROVED *Stephen L. Hahn* 9/29/86
HOWARD S.C.D. DATE



SITE INFORMATION:
OWNER: BOARD OF EDUCATION
ADDRESS: 10910 ROUTE 108
ELLCOTT CITY, MD. 21043
TELEPHONE (301) 922-0500
SITE LOCATION: 9250 NORTH LAUREL ROAD
LAUREL, MD. 20707
ELECTION DISTRICT: #6
TAX MAP: 47, PARCEL 762
AREA OF PROPERTY: 27 ACRES
ZONING: RSC
PROPERTY RECORDED IN LIBER: 391, FOLIO: 419

ASSOCIATED ENGINEERS, INC.
8555 SIXTEENTH STREET
SILVER SPRING, MARYLAND 20910
TEL. 301-589-7311

LEGEND:

- EXISTING CONTOURS --- 248 ---
- DESIGN CONTOURS --- 45 ---
- EXISTING SPOT GRADES --- 74.8 ---
- DESIGN SPOT GRADES --- 45.6 ---
- EXISTING STORM DRAIN PIPES AND STRUCTURES --- [Symbol] ---
- NEW STORM DRAIN PIPES AND STRUCTURES --- [Symbol] ---
- INFILTRATION TRENCH --- [Symbol] ---
- EXISTING PAVING TO BE REMOVED --- [Symbol] ---
- EXISTING PAVING --- [Symbol] ---
- NEW CONCRETE WALK --- [Symbol] ---
- NEW SOIL BORINGS TAKEN --- [Symbol] ---
- EX. TREE TO BE REMOVED --- [Symbol] ---

SUBDIVISION NAME		SECT./AREA	LOT/PARCEL #
PLAT 1 CR 1/2 BLOCK 1			762
391/419	22/34	R-9C	47/50
WATER CODE		ELEC. DIST	CENSUS TR.
005		6	6063
SEWER CODE			
714/500			

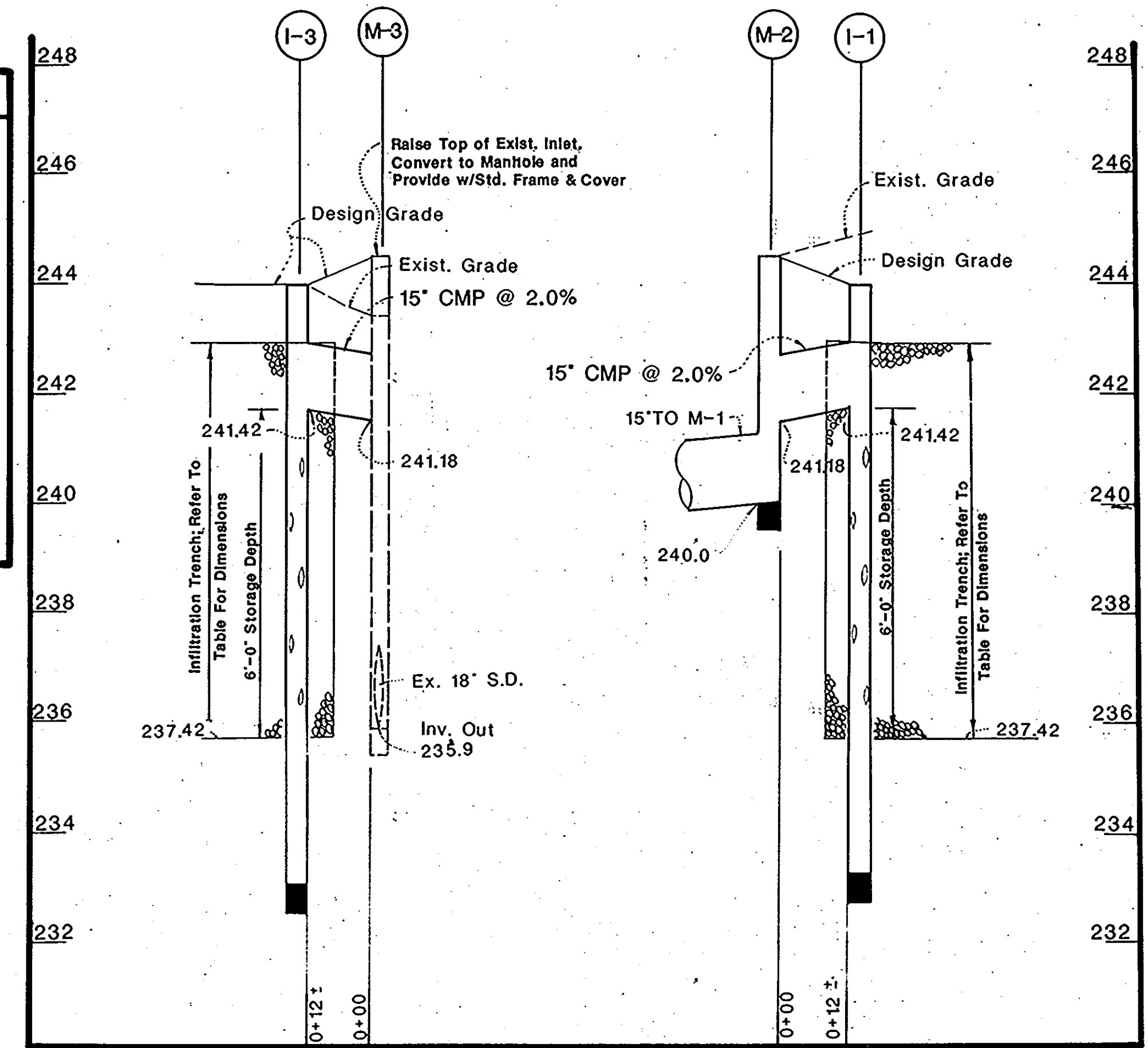
Building Addition to SDP 72-118
Abrash, Eddy and Eckhardt Architects
P.O. Box 477, Great Falls, Virginia 22069 (703) 769-5500
Addition To
Whiskey Bottom Road Elementary School
Howard County Public Schools
Howard County, Maryland
6th Election District

SDP-86-271	
SEDIMENT CONTROL PLAN	
Date 8/15/86	Rev.
G-2	
2 OF 51	

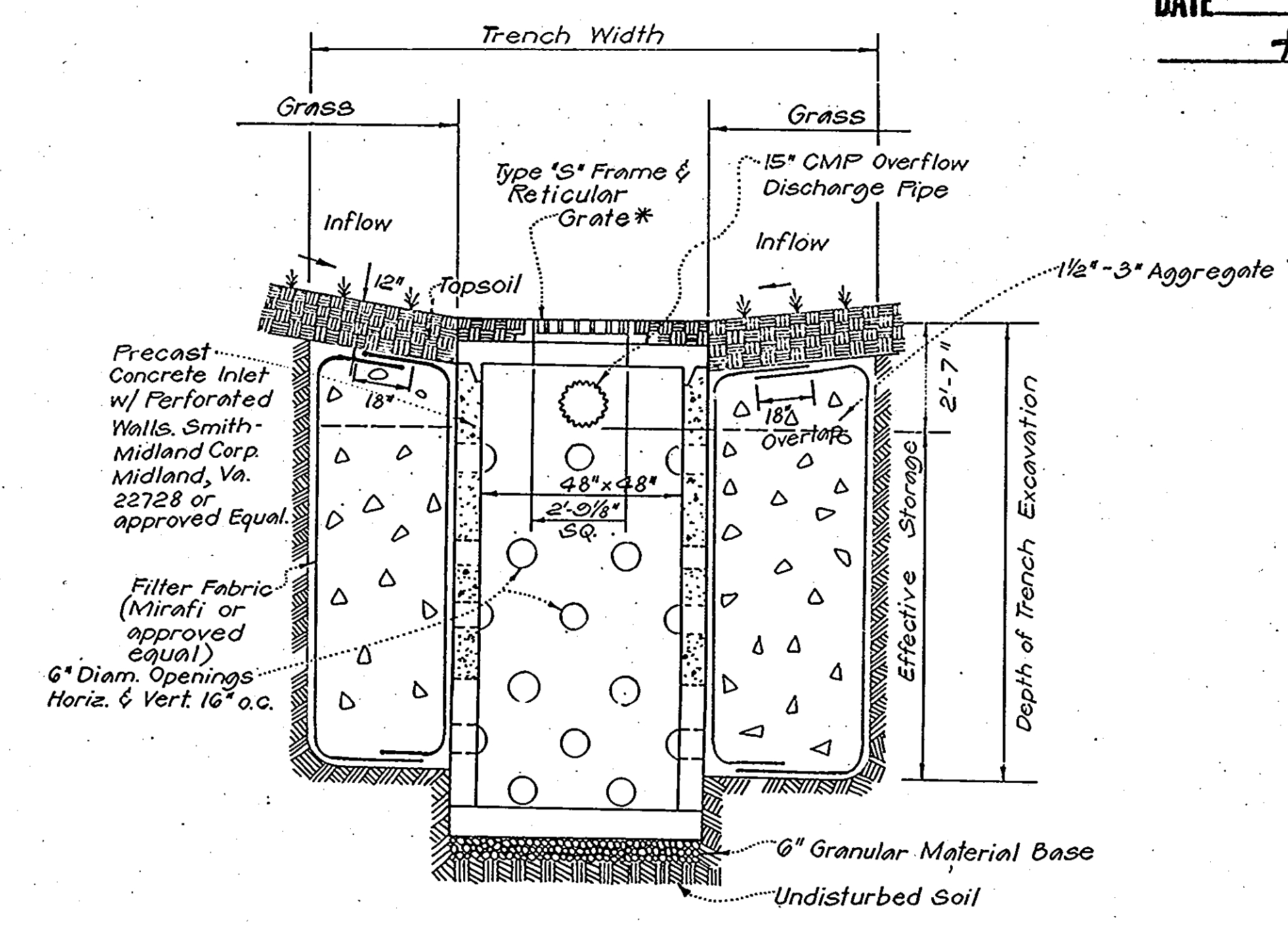
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER *John B. Ballew* DATE 10-8-86
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
DIRECTOR *Thomas J. Smith* DATE 10-9-86
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR *John W. Marshall* DATE 10-9-86
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION
DIRECTOR *John F. Neumann* DATE 10-3-86
CHIEF BUREAU OF ENGINEERING *Walter L. ...* DATE 10-2-86

APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 9-4-86
M. J. ...

NO.	TYPE	TOP ELEV.	INVERT IN	INVERT OUT	REMARKS
I-1	INLET TO INFILTRATION TRENCH	244.0	--	241.42	AS DETAILED
I-2	TYPE "S" COMBINATION INLET	245.0	237.12	236.81	HOWARD COUNTY DPW STD. SD-4.32
I-3	INLET TO INFILTRATION TRENCH	244.0	--	241.42	AS DETAILED
M-1	EXISTING INLET CONVERT TO MANHOLE	245.0	237.9	237.41	REMOVE FRAME AND GRATE. RAISE TOP OF STRUCTURE TO DESIGN GRADE. PROVIDE MANHOLE FRAME AND COVER. HOWARD COUNTY DPW STD. G5-51.*
M-2	SHALLOW BRICK MANHOLE	244.5	241.18	240.0	HOWARD COUNTY DPW STD. G5.05
M-3	EXISTING INLET CONVERT TO MANHOLE	244.5	236.4	235.9	REMOVE FRAME AND GRATE. RAISE TOP OF STRUCTURE TO DESIGN GRADE. PROVIDE MANHOLE FRAME AND COVER. HOWARD COUNTY DPW STD. G5.51.*



STORM DRAIN PROFILES
SCALE: Horizontal 1"=20'
Vertical 1"=2'



TYPICAL SECTION
**INLET TO INFILTRATION TRENCH w/
OVERFLOW DISCHARGE PIPE**

Note: Refer to Infiltration Trench Table for Dimensions of Trench.
*Howard County PWD S.D. 4.93

CONSTRUCTION SEQUENCE FOR TEMPORARY STORMWATER MANAGEMENT INFILTRATION TRENCH I AND II

- CARRY OUT INITIAL TRENCH EXCAVATION DURING ROUGH GRADING PHASE TO ALLOW TRENCH TO ACT AS A TEMPORARY STORMWATER MANAGEMENT FEATURE. EXCAVATE TEMPORARY TRENCH ON CENTER AXIS OF PERMANENT INFILTRATION TRENCH. REFER TO THIS SHEET FOR COORDINATION W/SEDIMENT CONTROL SEQUENCE.
- THE INITIAL TRENCH EXCAVATION SHOULD BE TO THE FOLLOWING DIMENSIONS: TOP OF TRENCH 244.0
LENGTH 22.3 FT.
WIDTH 13.1 FT.
DEPTH 6.7 FT.
BOTTOM OF TRENCH AT ELEVATION 237.3
- AFTER INSTALLATION OF CONCRETE WALKS AND COMPLETION OF ADDITION AND STABILIZATION OF ALL DISTURBED AREAS REMOVE ALL ACCUMULATED SEDIMENT IN TRENCH.
- EXCAVATE TRENCH TO FINAL DIMENSION AND ELEVATION CALLED FOR ON DWG G-1. CONSTRUCT INLETS I-4 AND I-1 AND FILL TRENCHES WITH AGGREGATE AND COVER WITH 12 INCHES OF TOPSOIL.
- FINE GRADE AROUND TRENCH AND STABILIZE REMAINING DISTURBED AREAS.

CONSTRUCTION SEQUENCE:

- OBTAIN BUILDING PERMIT.
- INSTALL STABILIZED CONSTRUCTION ENTRANCE.
- CARRY OUT INITIAL TRENCH EXCAVATION FOR TEMPORARY STORMWATER MANAGEMENT (REFER TO STORMWATER MANAGEMENT CONSTRUCTION SEQUENCE FOR TRENCH DIMENSIONS.) INSTALL PROTECTIVE FENCE.
- INSTALL SILT FENCES.
- INSTALL INLET PROTECTION AT EXISTING INLET TO BE REMOVED (NEAR I-2).
- DEMOLISH EXISTING PAVING, STRIP TOPSOIL AND STOCKPILE.
- RELOCATE STORM DRAIN AND CONSTRUCT INLET TRAP AT I-2. REMOVE INLET AND PLUG STORM DRAIN PIPES REPLACED BY NEW SYSTEM.
- BEGIN BUILDING CONSTRUCTION.
- CONSTRUCT CONCRETE WALKS AND SLABS.
- FINE GRADE, SPREAD TOPSOIL AND STABILIZE ALL DISTURBED, UNPAVED AREAS.
- COMPLETE EXCAVATION FOR PERMANENT INFILTRATION TRENCH, BUILD INLETS I-3 AND I-1 AND CONNECT TO M-3 AND M-2. FILL TRENCHES, ADJUST TOPS OF EXISTING INLETS AND MODIFY TO FIT STANDARD MANHOLE AND FRAME AND COVER (M-1 AND M-3).
- FINE GRADE, SPREAD TOPSOIL AND STABILIZE.
- REMOVE SEDIMENT TRAP AT I-2 AND ALL OTHER REMAINING SEDIMENT CONTROL FEATURES AND STABILIZE REMAINING DISTURBED AREAS.
- CLEAN UP SITE AND BEGIN MAINTENANCE.

SUBDIVISION NAME		SECT./AREA	LOT/PARCEL #
-		-	702
PLAY 1 OR L/F	BLOCK 1	ZONE	TAX/ZONE MAP
391/419	22/34	R-5C	47/50
WATER CODE		ELEC. DIST.	CENSUS TR.
C05		G	6063
SEWER CODE		714.1500	

Building Addition to SDP 72-118

Abrash, Eddy and Eckhardt Architects
P.O. Box 477, Great Falls, Virginia 22066 (703) 769-5500

Addition To
Whiskey Bottom Road Elementary
School
Howard County Public Schools
Howard County, Maryland
6th Election District

SDP-86-271

PROFILES & DETAILS

SDP-86-271

DATE 8/15/86

Rev.

3 OF 51

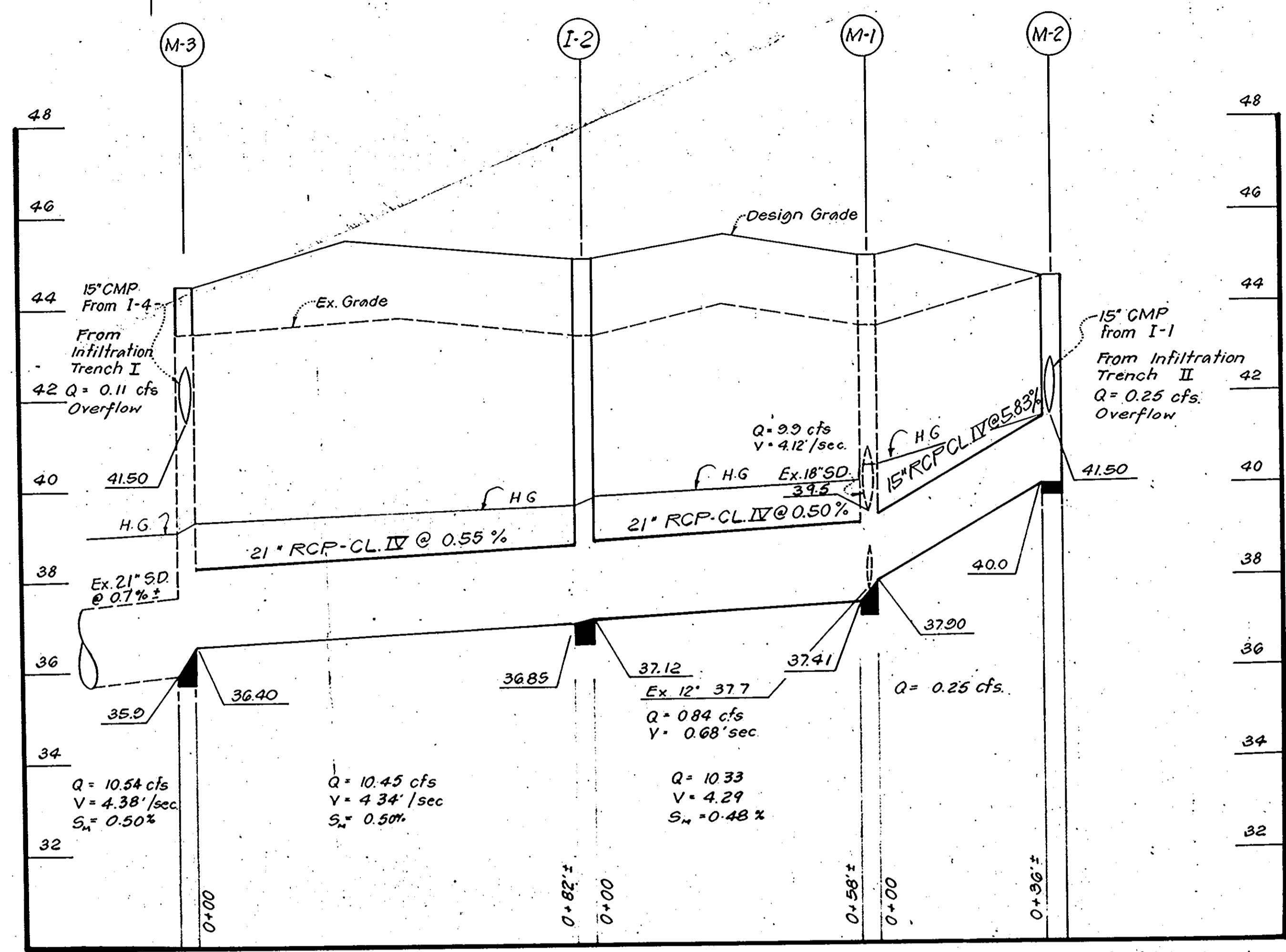
OWNER:
BOARD OF EDUCATION
10910 ROUTE 108
ELLICOTT CITY, MD. 21043
TEL. (301) 922-0500

ASSOCIATED ENGINEERS, INC.
8555 SIXTEENTH STREET
SILVER SPRING, MARYLAND 20910
TEL. 301-589-7311



APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER: *John Boyd* DATE: 10-8-86
APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING
DIRECTOR: *Thomas L. Harris* DATE: 10-9-86
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION
DATE: 10-9-86
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR: *John E. Williams* DATE: 10-9-86
CHIEF BUREAU OF ENGINEERING DATE: 10-2-86

APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE: 9-4-86
W. J. Williams



STORM DRAIN PROFILE
SCALE: HORIZ.: 1" = 20'
VERT.: 1" = 2'

NOTE: Add Prefix of 2 to all grades.

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 (922-2437).
- 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 REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1; B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- 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 "MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" FOR PERMANENT SEEDINGS (SEC. 51) SOD (SEC. 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC. 52), AND AS SPECIFIED HEREIN.
 - TOPSOIL SHALL MEET ALL APPLICABLE REQUIREMENTS OF THE SPECIFICATIONS FOR MATERIALS, HIGHWAYS, BRIDGES AND INCIDENTAL STRUCTURES OF THE MARYLAND STATE HIGHWAY ADMINISTRATION. TOPSOIL SHALL BE 4 INCHES THICK (COMPACTED).
 - LIME SHALL BE SPREAD AT A RATE OF ONE (1) TON PER ACRE.
 - FERTILIZER 5-10-10 OR EQUIVALENT SHALL BE APPLIED AT A RATE OF 1700 LBS. PER ACRE. BOTH LIME AND FERTILIZER SHALL BE UNIFORMLY APPLIED TO THE LOOSENEED TOPSOIL AND SHALL BE RAKED SMOOTH PRIOR TO SEEDING.
 - SEED SHALL BE "KENTUCKY 31" TALL PESCUE APPLIED AT A RATE OF 2 LBS. PER 1,000 SQ. FT. STRAW MULCH SHALL BE UNIFORMLY APPLIED AT THE RATE OF 70 TO 90 LBS. PER 1,000 FT.
 - SOD SHALL BE A CLASS OF TURF GRASS SOD AND SHALL BE MARYLAND STATE CERTIFIED.

GENERAL NOTES:

- EXISTING CONDITIONS ARE BASED ON SURVEY DATED DECEMBER, 1985 AND PREPARED BY ASSOCIATED ENGINEERS, INC. BENCHMARK USED: ENTRANCE OF GROUND FLOOR OF WHISKEY BOTTOM ROAD ELEMENTARY SCHOOL BUILDING, ELEVATION 246.00.
- ALL DISTURBED UNPAVED AREA SHALL BE TOPSOILED, FERTILIZED, LIMED AND SODDED, EXCEPT AREAS TO BE PLANTED, AND AREAS TO BE SODDED. TOPSOIL DEPTH SHALL BE MINIMUM 4 INCHES COMPACTED.
- ALL SEDIMENT AND EROSION CONTROL FEATURES SHALL BE INSTALLED IN ACCORDANCE WITH THE "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPED AREAS," 1983 EDITION.
- ALL CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND SPECIFICATIONS AND THE APPLICABLE PROVISIONS OF THE MARYLAND STATE HIGHWAYS ADMINISTRATION STANDARDS AND SPECIFICATIONS FOR MATERIALS, HIGHWAYS, BRIDGES AND INCIDENTAL STRUCTURES.
- A PREFIX OF 2 MAY HAVE TO BE ADDED TO ALL GRADES.
- ALL UNSUITABLE AND EXCESS FILL MATERIAL SHALL BE DISPOSED OF OFF SITE. LOCATION OF DISPOSAL AREA SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- CONTACT "MISS UTILITY" AT LEAST 48 HOURS PRIOR TO COMMENCING EXCAVATIONS.
- EXISTING UTILITIES ARE BASED ON AVAILABLE RECORDS AND WERE FIELD-CHECKED WHERE POSSIBLE. CONTRACTOR MUST DIG TEST PITS BY HAND AT UTILITY CROSSINGS AND CONNECTION POINTS TO VERIFY EXACT LOCATION AND INVERTS WELL IN ADVANCE OF CONSTRUCTION. IF CONNECTIONS ARE NOT AS SHOWN OR IF CONFLICT IS ANTICIPATED, ENGINEER SHALL BE NOTIFIED BEFORE PROCEEDING WITH TRENCHING.
- CONTRACTOR SHALL CLEAN UP THE WORK AREA AT THE COMPLETION OF THE PROJECT. ALL AREAS DISTURBED DURING THE CONSTRUCTION ACTIVITY SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
- CONTRACTOR SHALL ERECT A TEMPORARY CONSTRUCTION FENCE (SNOW FENCE) AT LIMIT OF GRADING TO MINIMIZE INTERFERENCE WITH SCHOOL ACTIVITIES.
- CONTRACTOR SHALL PROVIDE ALL SUITABLE FILL MATERIAL. LOCATION OF BORROW SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- REFER TO ARCHITECTURAL DRAWINGS FOR BUILDING DIMENSIONS AND TIE-IN POINTS AND DIMENSIONS OF NEW ADDITION TO EXISTING SCHOOL STRUCTURE.
- REFER TO MECHANICAL DRAWINGS FOR CONTINUATIONS OF ROOF DRAINS AND FOR WATER AND SEWER EXTENSIONS TO NEW BUILDING ADDITION.
- FOR CONSTRUCTION SPECIFICATIONS OF INFILTRATION TRENCH REFER TO "STANDARDS AND SPECIFICATIONS FOR INFILTRATION PRACTICES," MARYLAND DEPARTMENT OF NATURAL RESOURCES, WATER RESOURCES ADMINISTRATION, STORM-WATER MANAGEMENT DIVISION, FEBRUARY 1984 EDITION.

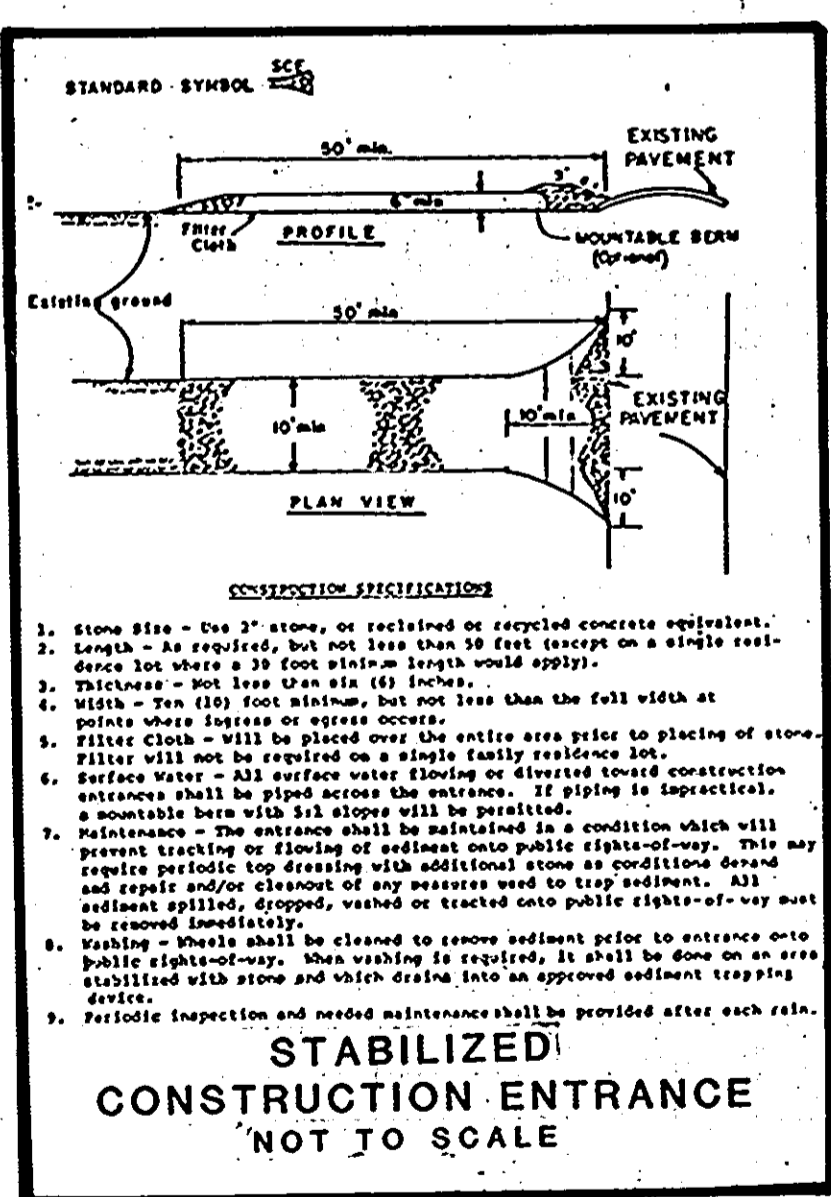
TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.

6. ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.

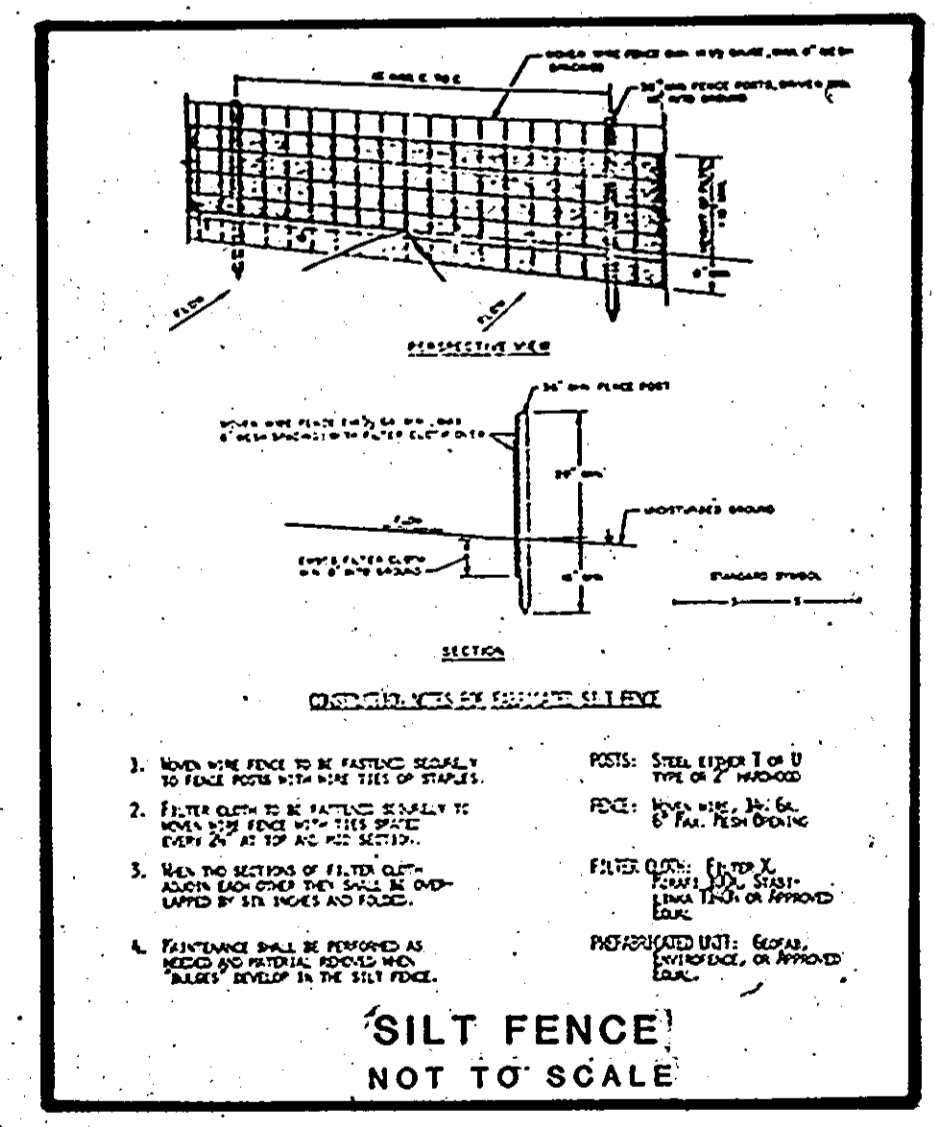
7. SITE ANALYSIS:
TOTAL AREA OF SITE: 27 AC
AREA DISTURBED: 0.50 AC
AREA TO BE PAVED AND/OR ROOF AREA ADDED = 0.17 AC
PAVING AREA TO BE REMOVED: 0.03 AC
NET IMPERVIOUS AREA = 0.14 AC
AREA TO BE VEGETATIVELY STABILIZED: 0.39 AC
TOTAL CUT: 58 CU.FT. (EXCLUDING EXCAVATION)
TOTAL FILL: 305 CU.FT. (FOR INFILTRATION TRENCHES)
OFF-SITE WASTE AREA LOCATION: TO BE SUBMITTED
CONTRACTOR WILL BE REQUIRED TO PROVIDE THE ABOVE INFORMATION PRIOR TO ISSUANCE OF THE PERMIT AND SUBMIT A SEDIMENT CONTROL PLAN ACCEPTABLE TO THE SOIL CONSERVATION DISTRICT.

8. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.

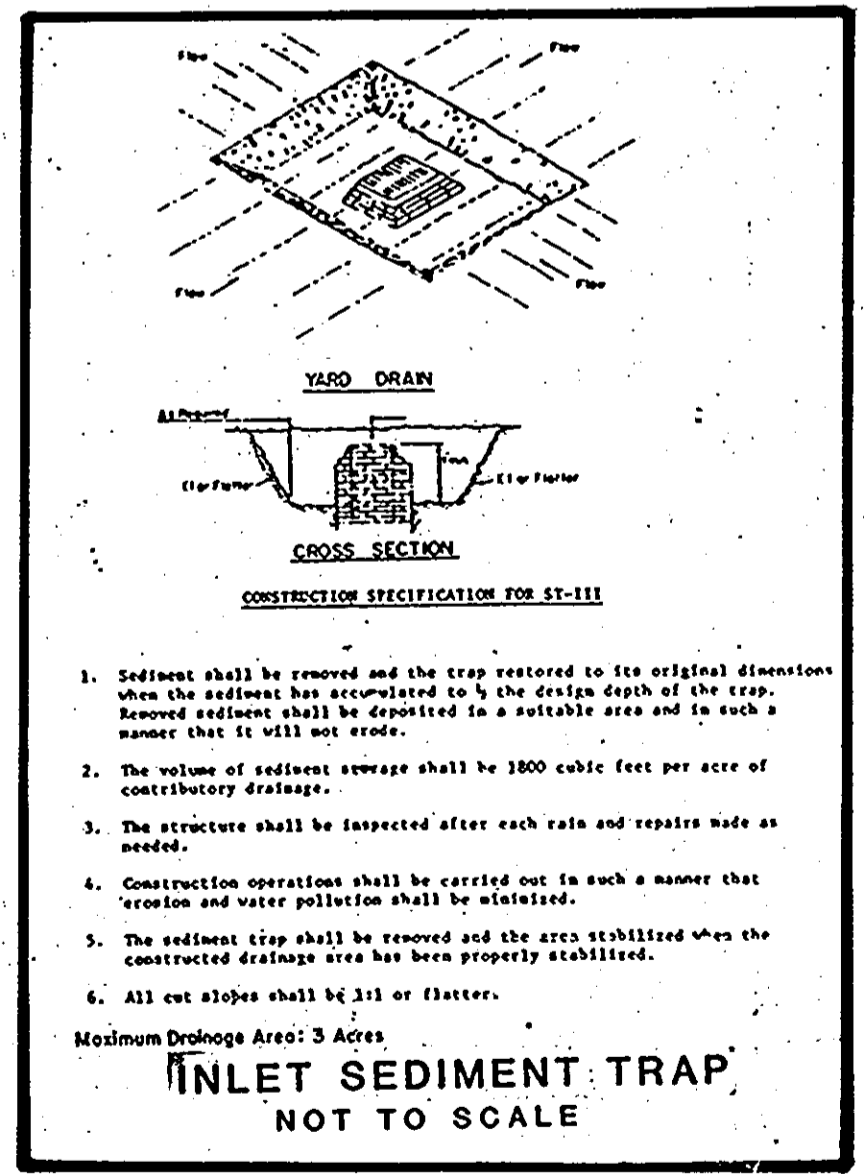
9. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY DPW SEDIMENT CONTROL INSPECTOR.



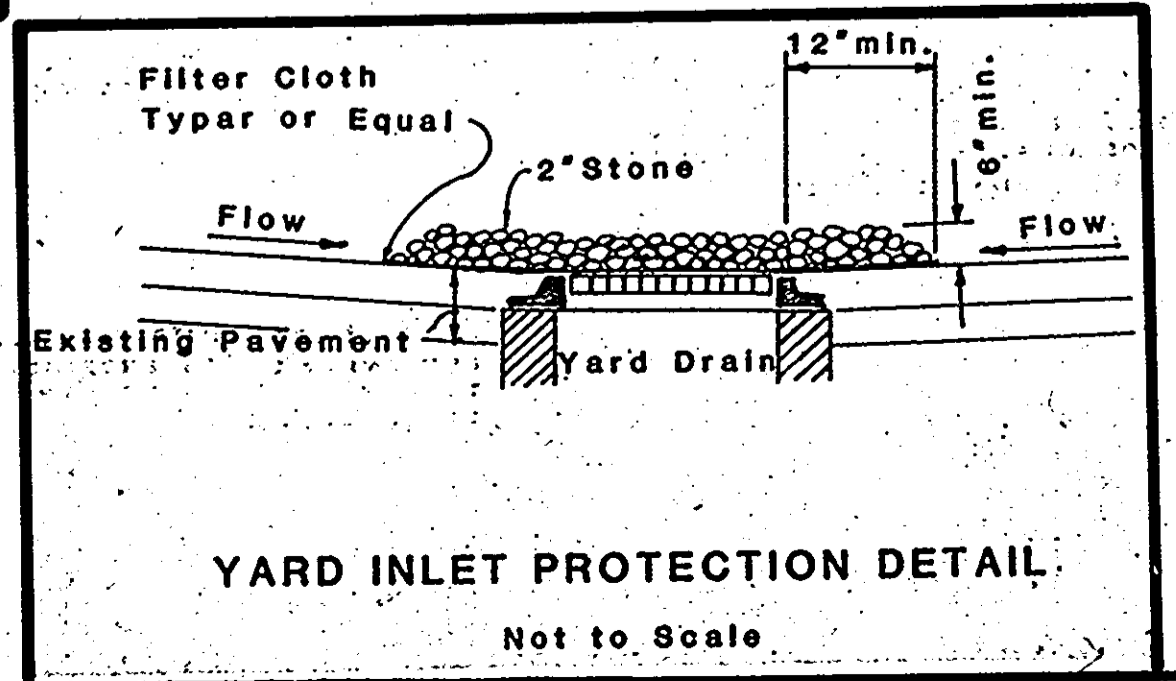
STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE



SILT FENCE
NOT TO SCALE



INLET SEDIMENT TRAP
NOT TO SCALE



YARD INLET PROTECTION DETAIL
Not to Scale

Reviewed for _____ S.C.D.
Name _____
and meets Technical Requirements
Signature: *[Signature]* Date: 9-29-86
U.S. Soil Conservation Service
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
Approved: *[Signature]* 9/29/86
Howard S.C.D.

ASSOCIATED ENGINEERS, INC.
8555 SIXTEENTH STREET
SILVER SPRING, MARYLAND 20910
TEL. 301-589-7311
9/18/86 - REVISED TO MEET COUNTY COMMENTS DATED SEPT. 4, 1986

SUBDIVISION NAME	RECT./AREA	LOT/PARCEL #
301/410	22/3.4 R-3C	47/50. 6
WATER CODE	SEWER CODE	
005	7141500	

Building Addition to SDP 72-118

Abrash Eddy and Eckhardt Architects
P.O. Box 477, Great Falls, Virginia 22066 (703) 759-5500

Addition To
Whiskey Bottom Road Elementary School
Howard County Public Schools
Howard County, Maryland
6th Election District

SDP-86-271

PROFILES & NOTES G-4

Date 8/15/86 Rev. 4 OF 6

SDP-86-271

OWNER:
BOARD OF EDUCATION
10910 ROUTE 108
ELLICOTT CITY, MD. 21043
TEL. (301)922-0500

LOCATION Whiskey Bottom Elementary School DATE August 8 1986
 DEVELOPMENT Building Addition to SDP-72-118 SHEET Total in Comp.
 MADE IN CONNECTION WITH J.O. No. 2836-A COMPUTED BY EP
 STORM FREQUENCY _____ CHECKED BY _____

LOCATION	AREA	ACRES	COEFF	CA	CA	TIME	CONC	MIN	INTEN	Q = CIA	PIPE	n = 0.014	REMARKS			
From	To	Sub.	Total	"C"	CA	Int'l	Drain	Total	"I"	C.F.S.	Size	Slope	Vel.	Loth.	Sm	
Ex 109	M-1	0.27	0.27	0.37	0.10	5	5	8.4	0.84	Ex 12"	0.91	0.68	110	Sm > 0.1		
I-1	M-2	(0.21)	(0.21)	0.38	0.08	(0.08)	5	5	8.4	(0.67)	15" Overflow	0.42	cfs	abstraction*		
M-2	M-1	-	0.08	-	0.03	-	5	5	8.4	0.25	15"	2.0	12	Sm > 0.1		
Offsite	M-1	1.472	1.47	0.8	1.10	-	5+	5+	8.4	9.94	Ex 18"	-	4.12	-		
M-1	I-2	0.35	1.82	0.13	1.23	-	5+	5+	8.4	10.33	21"	0.5	4.29	58	Sm = 0.48	
I-2	M-3	0.08	1.82	0.35	0.03	1.26	5	0.2	5.2	8.3	10.45	21"	0.55	4.34	82	Sm = 0.50
		0.04	0.04	-	0.01	-	-	-	-	0.11	-	-	-	-	-	
I-3	M-3	(0.18)	(0.18)	0.35	(0.06)	5	5	8.4	(0.53)	15" overflow	0.42	cfs	abstraction*			
M-3	Ex 105	1.90	1.94	-	1.27	-	0.3	5.5	8.3	10.54	Ex 21"	0.72	4.38	-		

* Infiltration to trench
Adjusted values are shown above figures in parenthesis.

STANDARD STORM DRAINAGE DESIGN
FLOW TABULATION FORM
SDD-5

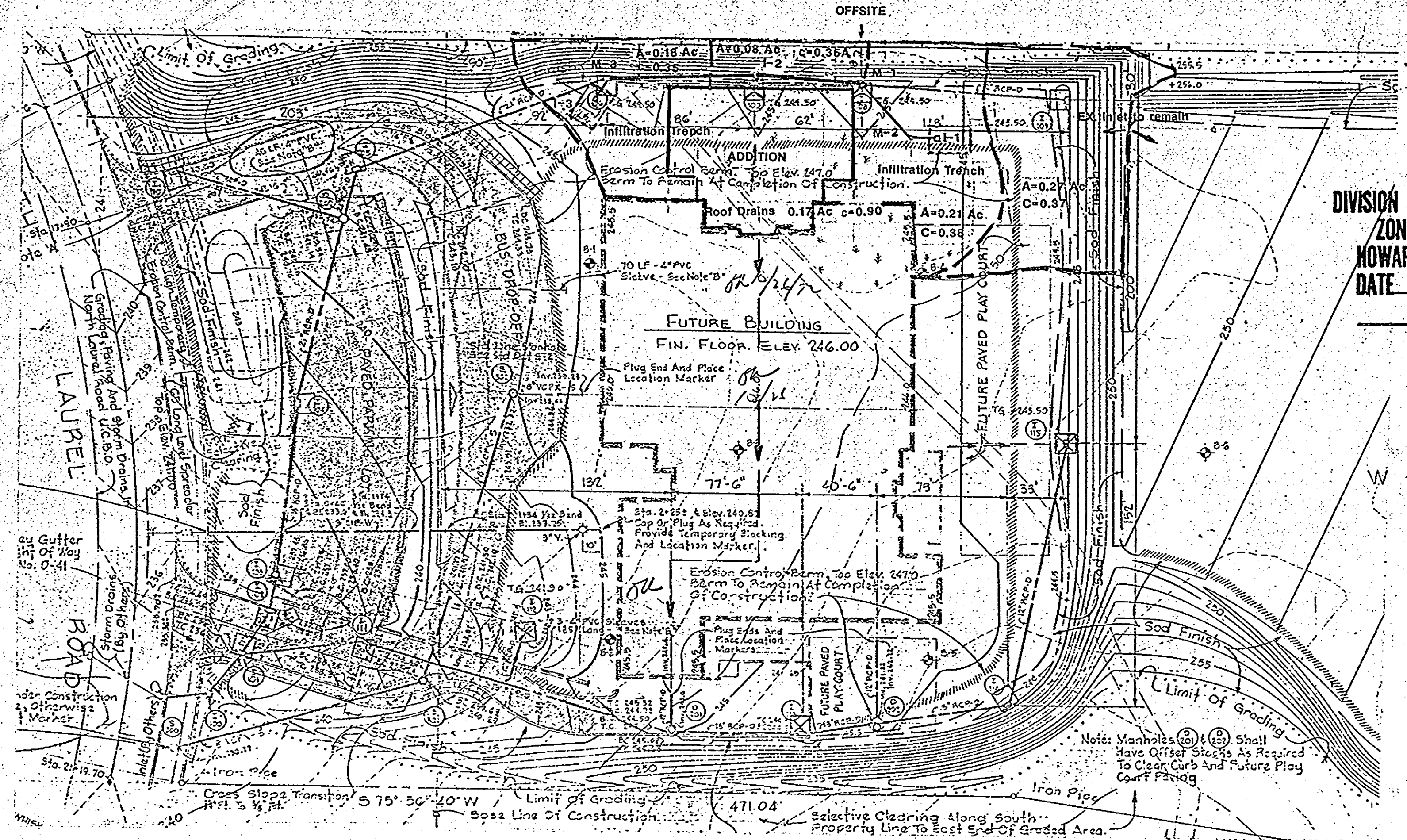
LOCATION Whiskey Bottom Road Elementary School DATE August 8 1986
 DEVELOPMENT Building Addition to SDP-72-118 SHEET TOTAL IN COMP.
 MADE IN CONNECTION WITH J.O. NO. 2836 COMPUTED BY EP
 STORM FREQUENCY _____ CHECKED BY _____

NO.	TYPE	V FPS	V ² FPS	Q CFS	Q ² CFS	Q/Q ₁ %	LOSS				TOTAL	REMARKS	
							A	B	C	D			
M-3		4.34	4.38	10.45	10.54	-	0.12	-	0.06	-	-	0.18	
I-2		4.29	4.34	10.33	10.45	-	0.12	0.03	0.07	-	-	0.22	
M-1		4.12	4.34	9.9	10.33	10%	0.12	0.07	0.07	0.01	-	0.27	

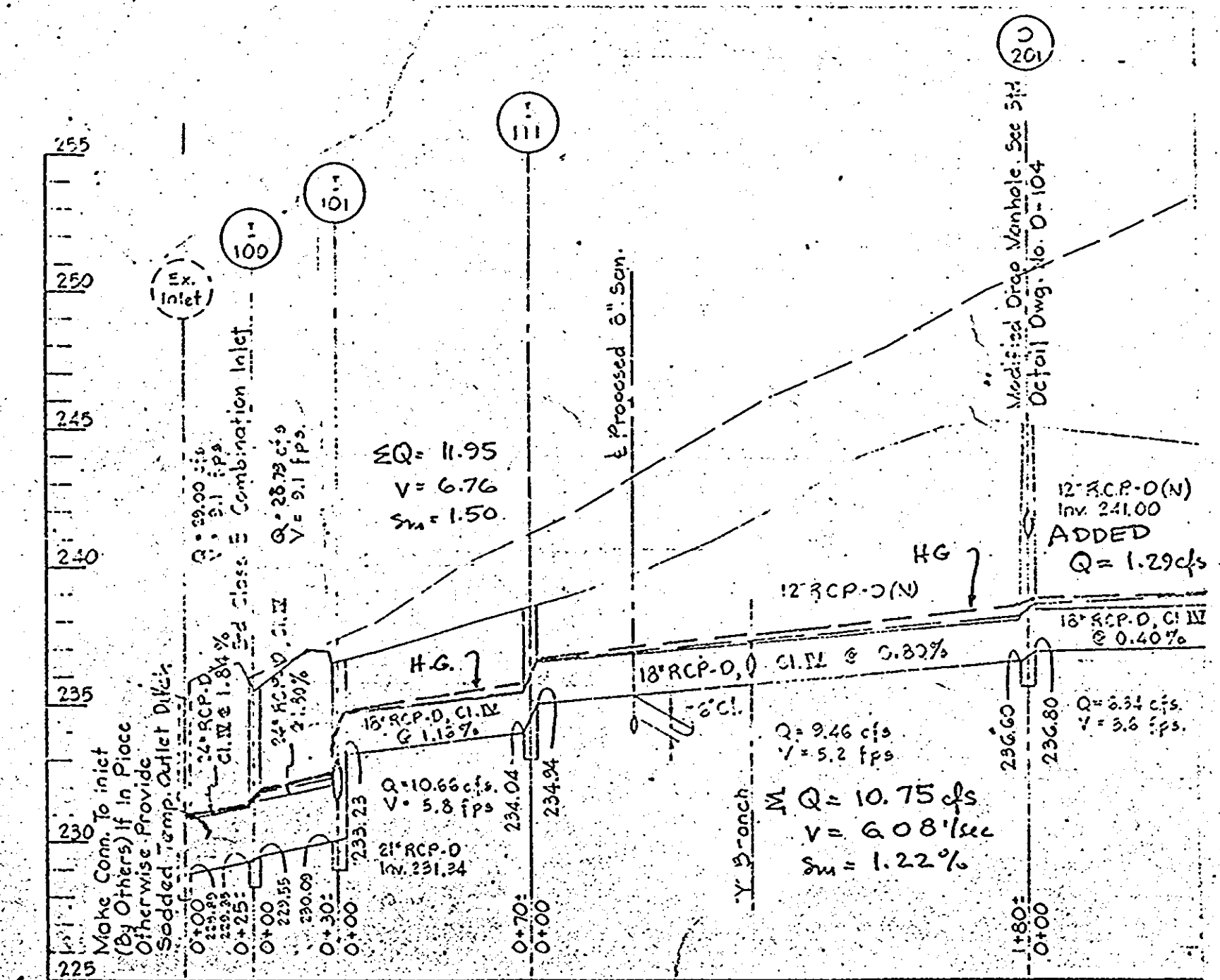
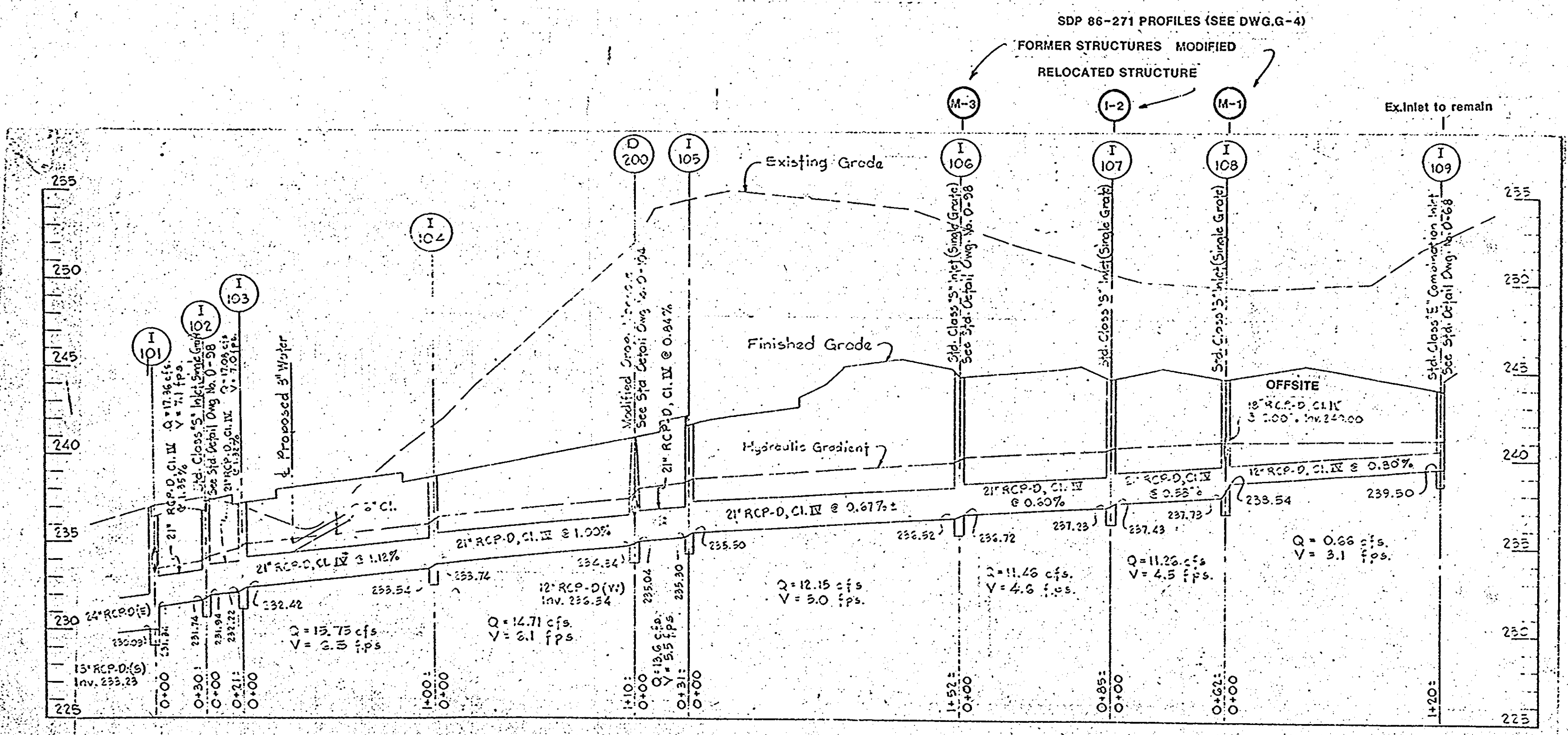
STANDARD STORM DRAINAGE DESIGN
STRUCTURE LOSSES
SDD-3

STRUCTURE NO.	INV. ELEV.		HYD. GRADIENT		L.H. IN STRUCTURE	PIPE SIZE	PIPE LENGTH	SLOPE	HYD. GRAD. SLOPE
	IN	OUT	IN	OUT					
M-3	235.9	236.40	239.33	239.15	0.18	21"	82	0.55	0.5
I-2	237.12	236.85	239.96	239.74	0.22	21"	58	0.50	0.48
M-1	237.90	237.41	240.51	240.24	0.27	15"	36	5.83	0.0

STANDARD STORM DRAINAGE DESIGN
HYDRAULIC GRADIENT SUMMARY SHEET
SDD-4



APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 9-9-86
[Signature]



SUBDIVISION NAME		SECT./AREA	PARCEL#
39/119		22/34	R-9C 762
WATER CODE		SEWER CODE	
C05		7141500	

Building Addition to SDP 72-118
 Addition To
 Whiskey Bottom Road Elementary
 School
 Howard County Public Schools
 Howard County, Maryland
 8th Election District

SDP-86-271
 DRAINAGE DIVIDES
& COMPUTATIONS
 DD-1
 Date 8/8/86 Rev. 5/8/86

APPROVED FOR PUBLIC WATER AND PUBLIC BEVERAGE SYSTEMS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DATE 10-9-86
[Signature]

APPROVED FOR LAND DEVELOPMENT AND ZONING ADMINISTRATION
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DATE 10-9-86
[Signature]

APPROVED FOR STORM DRAINAGE SYSTEMS AND PUBLIC SEWERAGE
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DATE 10-9-86
[Signature]

