WATER LINE

APPROVED: H.R. POWELL WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER — DATE 7/28/75

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

PLANNING DIRECTOR — DATE 3-3-75

CHIEF DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING — DATE 3/3/75

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

DIRECTOR — DATE 2-20-75

CHIEF BUREAU OF ENGINEERING — DATE 2/18/75

Developer [illegible]

Land Planning & Engineering Consultants [illegible]

Signature — Date 2-19-75

U.S. Soil Conservation Service

Ohio Development Plan 58 (Modified)

Program Erosion and Sediment Control by the Howard Soil Conservation District

Approved [illegible] Date 2-10-75

Howard S.C.D.

APPROVED
DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION OF PLANNING
HOWARD COUNTY, MARYLAND
DATE 1/22/75

SEE DRWG G-6 FOR SECTION THRU RT. 144

SECTION THRU ROUTE #144

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

C FOR ALL RD = 0.95
FLOOR ELEV 567.00

A=0.16 RD
A=0.29 RD
A=0.11 RD
A=0.04 RD
A=0.57 RD

A=0.94 Ac
C=0.57

A=0.03 Ac
C=0.82

A=0.08 Ac
C=0.80

A=1.83 Ac
C=0.30

A=1.15 Ac
C=0.30

A=1.00 Ac
C=0.30

SOFT BALL FIELD TO BE GRADED SO GROUND SHOULD BE CLOSE TO LEVEL OPPOSITE SIDE TOPSOILED & SEEDED AS APPROVED

CONSTRUCTION ENTRANCE SEE DETAIL DRWG G-6

AREA MUST BE KEPT CLEAR OF ALL DEBRIS DURING SCHOOL HOURS

LEGEND

Design

Type 'A' conc. curb and gutter, standard detail MD-SHA 600.06 with 12" gutter

New bituminous conc. pavement see detail

See Sht. 1 for Road Profile

LISBON
ELEMENTARY SCHOOL
HOWARD COUNTY, MARYLAND

DRAINAGE DIVIDES

DD-1

7 SHEETS

McLEOD, FERRARA, ENSIGN
CHARTERED ARCHITECTS
5454 WISCONSIN AVENUE SUITE 1525
CHEVY CHASE MARYLAND 20015
301/652-2775

GREENE & SEAQUIST — STRUCTURAL ENGINEERS
BENSASSAT & SPORIDIS CO. — MECHANICAL & ELECTRICAL ENGINEERS
ASSOCIATED ENGINEERS, INC. — SITE ENGINEERS

LISBON
ELEMENTARY SCHOOL
HOWARD COUNTY, MARYLAND

DRAINAGE DIVIDES

DD-2

McLEOD, FERRARA, ENSIGN
CHARTERED
ENGINEERS
3604 WISCONSIN AVENUE, SUITE 1828
CHEVY CHASE, MARYLAND 20015
301/652 - 2770

STRUCTURAL ENGINEERS
PLANNERS & SURVEYORS
CIVIL & MECHANICAL & ELECTRICAL ENGINEERS
ASSOCIATED ENGINEERS, INC
SITE ENGINEERS

ADDENDUM NO 3

TYPICAL SIDE VIEW

TYPICAL FRONT VIEW

SEDIMENT TRAP
STONE OUTFALL

ASSOCIATED ENGINEERS, INC

CONSTRUCTION ENTRANCE PROFILE

TYPICAL SECTION
WARD DRAIN
W/SILT TRAP

SECTION A-A

TEMPORARY SILT TRAP FOR CURB INLETS
TYPICAL
NOT TO SCALE

TYPICAL SECTION
INTERCEPTOR DIKE
(TEMPORARY)
NOT TO SCALE

INLET TRAP W/PLYWOOD TOP FOR SLOPED CONTEC

A=0.19Ac C=0.95

A=0.19Ac C=0.95

FLOOR ELEV 967.00

MATCH LINE

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
DATE 2/28/75

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
DIRECTOR
DATE 3-3-75

APPROVED: DEPARTMENT OF PUBLIC WORKS
DIRECTOR
DATE 2-20-75

APPROVED FOR PRIVATE WATER, PRIVATE SEWER AND STORM DRAINAGE SYSTEMS AND ROADS TO BE CONSTRUCTED UNDER THIS PUBLIC WORKS AGREEMENT
DATE 3/4/75

APPROVED: DEPARTMENT OF RECREATION
DATE 2/18/75

NOTE: DIMENSIONS GIVEN IN SOD TRAP SHEDULE OR WIRE MESH ARE MINIMUM. DEPTH MEASURED AT BASE OF TRAP. DEPTH REQUIRED AS SHOWN ON THIS DETAIL.

NOTE: TOP OF STONE OUTLET WHEN BUILT WILL RISE TO 6" BELOW TOP OF PERIM.

PLOT PLAN
SCALE 1" = 50'

GRADE TO PERMIT FLOW ALONG PERIM. TO SED TRAP

PAVING BEARS

Approved
Howard Soil Conservation District
By [illegible] Date 2-10-75

Approved
Howard County Office of Planning and Zoning
By [illegible] Date 2-10-75

Approved
Howard County Department of Public Works
By [illegible] Date 2-10-75

MATCH LINE

SITE AREA ANALYSIS

TOTAL AREA OF SITE: 24.7 Ac

AREA TO BE PAVED OR ROOFED: 4.8 Ac

AREA TO BE REVEGETATED BY SEEDING OR SODDING: 11.5 Ac

AREA TO REMAIN UNDISTURBED: 8.9 Ac

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER — DATE 2/28/75

APPROVED, HOWARD COUNTY OFFICE OF PLANNING AND ZONING

PLANNING DIRECTOR — DATE 3-3-75

CHIEF DIVISION OF LAND DEVELOPMENT & TRANSPORTATION PLANNING — DATE 3/3/75

APPROVED FOR PRIVATE WATER, PRIVATE SEWER AND STORM DRAINAGE SYSTEMS AND BOARD HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR — DATE 2-20-75

CHIEF BUREAU OF HIGHWAYS — DATE 1/8/75

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".

11-8-74
Date

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.

Reviewed for [illegible] S.C.D.
Name

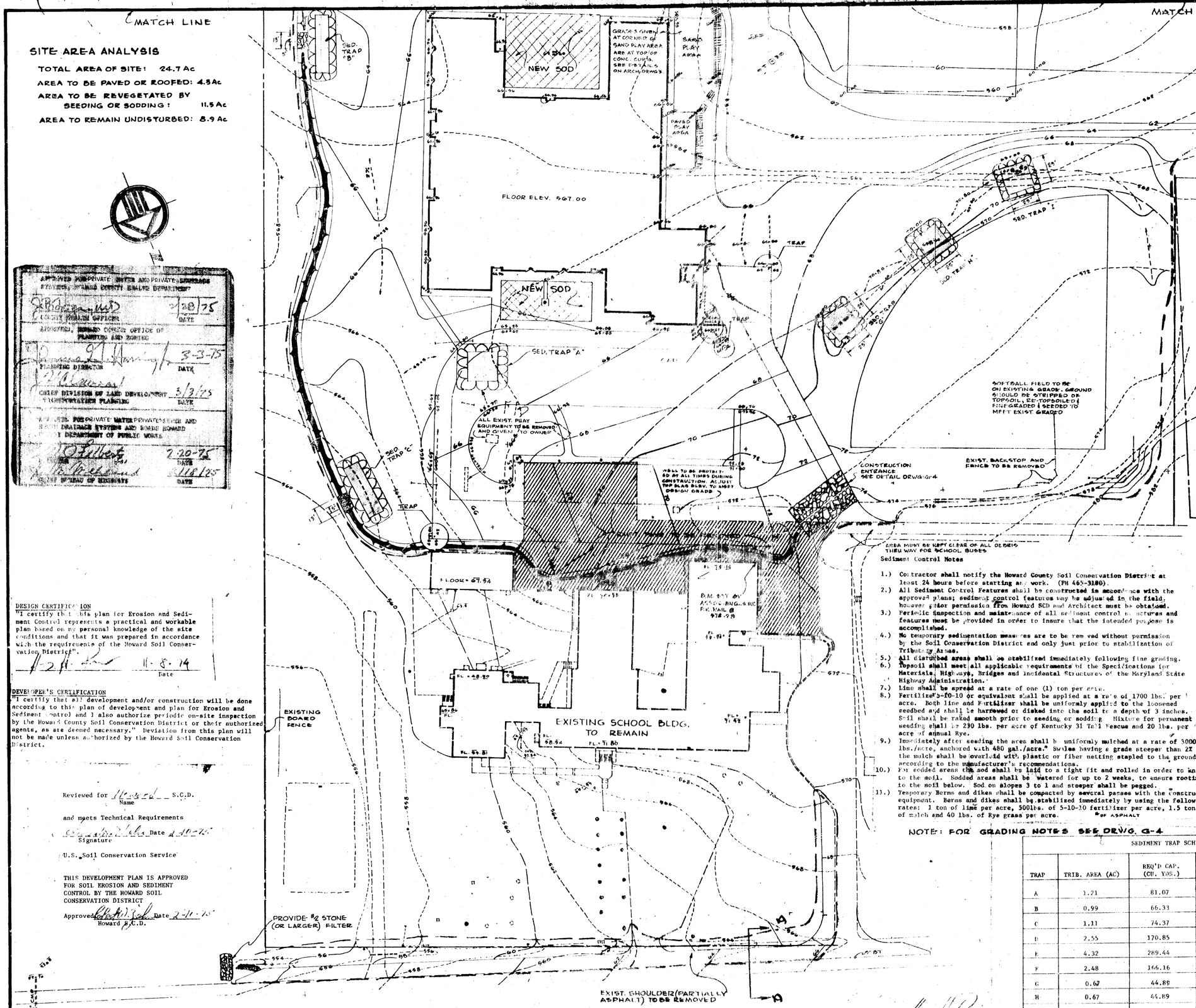
and meets Technical Requirements

[illegible] Date 2-10-75
Signature

U.S. Soil Conservation Service

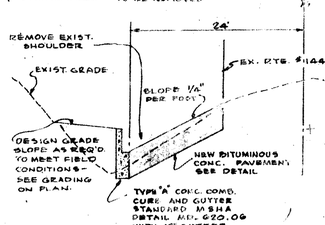
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

Approved [illegible] Date 2-11-75
Howard S.C.D.



LEGEND

EXIST.		DESIGN
	STRAW BALES	
570	CONTOUR	70
69.99	SPOT GRADE	66.0
	PROPERTY LINE	
	RIGHT OF WAY	
	LIMIT OF GRADING	
•	POLE	
	FENCE	
	RIP RAP, STONE STRUCTURE	
	TEMP. EARTH INTERCEPTOR DIKE	
	TEMP. SILT TRAP	
	STRUCTURE TRAP	(B) TRAP
	STRUCTURE CAP	(B) CAP
	SOD	
	EXIST. BIT. CONC. PAVE. TO BE REMOVED	



A-A

SECTION THRU ROUTE #144

NOT TO SCALE

Sediment Control Notes

1.) Contractor shall notify the Howard County Soil Conservation District at least 24 hours before starting any work. (PH 465-3180).
2.) All Sediment Control Features shall be constructed in accordance with the approved plans; sediment control features may be adjusted in the field, however prior permission from Howard SCD and Architect must be obtained.
3.) Periodic inspection and maintenance of all sediment control structures and features must be provided in order to insure that the intended purpose is accomplished.
4.) No temporary sedimentation measures are to be removed without permission by the Soil Conservation District and only just prior to stabilization of Tributary Areas.
5.) All disturbed areas shall be stabilized immediately following fine grading.
6.) Topsoil shall meet all applicable requirements of the Specifications for Materials, Highways, Bridges and Incidental Structures of the Maryland State Highway Administration.
7.) Lime shall be spread at a rate of one (1) ton per acre.
8.) Fertilizer 5-20-10 or equivalent shall be applied at a rate of 1700 lbs. per acre. Both lime and fertilizer shall be uniformly applied to the loosened seedbed and shall be harrowed or disked into the soil to a depth of 3 inches. Soil shall be raked smooth prior to seeding or sodding. Mixture for permanent seeding shall be 230 lbs. per acre of Kentucky 31 Tall Fescue and 20 lbs. per acre of annual Rye.
9.) Immediately after seeding the area shall be uniformly mulched at a rate of 3000 lbs./acre, anchored with 480 gal./acre.* Swales having a grade steeper than 2% the mulch shall be overlaid with plastic or fiber netting stapled to the ground according to the manufacturer's recommendations.
10.) For sodded areas the sod shall be laid to a tight fit and rolled in order to knit to the soil. Sodded areas shall be watered for up to 2 weeks, to ensure rooting to the soil below. Sod on slopes 3 to 1 and steeper shall be pegged.
11.) Temporary Berms and dikes shall be compacted by several passes with the construction equipment. Berms and dikes shall be stabilized immediately by using the following rates: 1 ton of lime per acre, 500lbs. of 5-10-10 fertilizer per acre, 1.5 tons of mulch and 40 lbs. of Rye grass per acre.

*OF ASPHALT

NOTE: FOR GRADING NOTES SEE DRWG. G-4

SEDIMENT TRAP SCHEDULE

TRAP	TRIB. AREA (AC)	REQ'D CAP. (CU. YDS.)	DIMENSIONS (FT.) LENGTH	WIDTH	DEPTH	CAP. ACTUAL (CU. YDS.)
A	1.21	81.07	27	27	3	81.00
B	0.99	66.33	50	12	3	66.67
C	1.11	74.37	50	14	3	77.77
D	2.55	170.85	100	16	3	177.77
E	4.32	289.44	100	27	3	300.00
F	2.48	166.16	50	30	3	166.66
G	0.67	44.89	25	25	2	46.30
H	0.67	44.89	25	25	2	46.30
J	0.67	44.89	25	25	2	46.30

REQUIRED CAPACITY BASED ON 67 CU. YDS. PER ACRE OF TRIBUTARY AREA.

SCALE: 1" = 40'

ASSOCIATED ENGINEERS, INC.
SITE ENGINEERS
9555 SIXTEENTH STREET
SILVER SPRING, MARYLAND 20910
TEL 301-589-7311

11/24/75

ADDENDUM NO 3

GRADING PLAN & SEDIMENT CONTROL

REVISED SEDIMENT CONTROL 11-26-74

4TH ELECTION DISTRICT
OWNER: BOARD OF EDUCATION
SITE: 'A', CLARKSVILLE, MD.

DEVELOPER'S CERTIFICATION

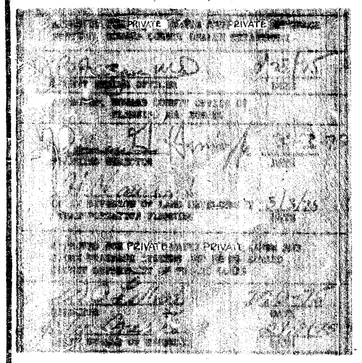
"I certify that all development and/or construction will be done according to this plan of development and plan for Erosion and Sediment Control and I also authorize peribdic on-site inspection by the Howard County Soil Conservation District or their authorized agents, as are deemed necessary." Deviation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

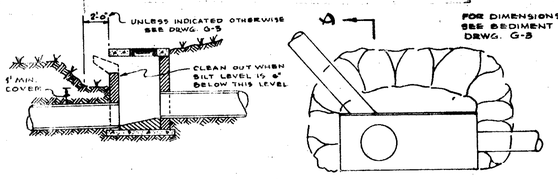
Howard County — Date

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."

11-8-79
Date



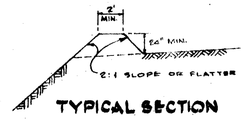


SECTION A-A — A ⌐ PLAN

TEMPORARY SILT TRAP FOR CURB INLETS

TYPICAL

NOT TO SCALE

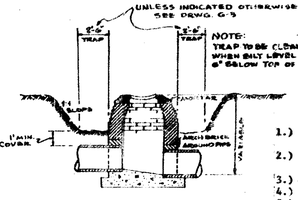


TYPICAL SECTION

INTERCEPTOR DIKE

(TEMPORARY)

NOT TO SCALE

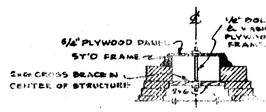


TYPICAL SECTION

YARD DRAIN

W/SILT TRAP

NOT TO SCALE



INLET FRAME W/TEMPORARY

PLYWOOD TOP FOR SEDIMENT

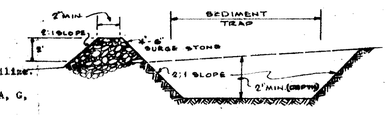
CONTROL

NOT TO SCALE

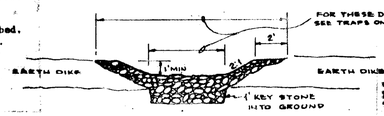
NOTE: DIMENSIONS GIVEN IN SED. TRAP SCHEDULE ON DRWG. G-5 - LENGTH AND WIDTH MEASURED AT BASE OF TRAP. DEPTH MEASURED AS SHOWN ON THIS DETAIL.

Construction Sequence

1.) Install Stone Entrance and Earth Perimeter Dikes. Compact Earth Dikes and Stabilize. Install Sediment Traps B, C, D, E and F.
2.) Install Storm Drainage System and provide individual structure traps and Traps A, G, H and I.
3.) Clear, grub and strip topsoil.
4.) Commence Grading Operations - protect storm drains while grading.
5.) Start Building Construction.
6.) Install Curb and Gutter and place Base Course for paving after removing individual traps of structures affected.
7.) Stabilize Play Fields and Slopes, and place temporary straw bale barrier.
8.) Remove Dikes and Traps serving stabilized play areas and stabilize areas disturbed.
9.) Place paving surface course and stabilize all remaining disturbed unpaved areas.
10.) Remove remaining Traps, Dikes and Stone Filter on Rte. #144 after all tributary areas are stabilized, stabilize disturbed trap and dike areas and clean up construction areas.
11.) Remove Straw Bales and stabilize disturbed areas.



TYPICAL SIDE VIEW

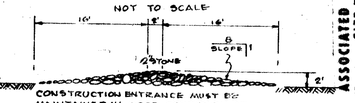


TYPICAL FRONT VIEW

SEDIMENT TRAP

STONE OUTFALL

NOT TO SCALE



CONSTRUCTION ENTRANCE MUST BE MAINTAINED IN GOOD CONDITION AT ALL TIMES.

CONSTRUCTION ENTRANCE PROFILE

SCALE: 1"=10'

ASSOCIATED ENGINEERS, INC.
SITE ENGINEERS
8358 FENTH STREET
SILVER SPRING, MARYLAND 20910
TEL. NO. 588-7311

GRADING NOTES

1. Existing topography is based on field survey conducted during March and April 1974 by Associated Engineers, Inc. Bench Mark used was MSHA B.M. No. 2, a spike in an 13 inch Sycamore, located at the S. W. corner of the Rte. 144 - Rte. 94 intersection, elevation 591.52. Bench Mark set by Associated Engineers is a P.K. nail set in the S.W. corner of the existing School, elevation 572.28.
2. Ditch gutter to conform to runoff flow.
3. The level of the play fields may be adjusted in order to balance all suitable fill material on site. However, cross slopes of fields must be maintained as shown on plan and Architect's approval must be obtained prior to adjusting level of fields. (See Specs.). Storm drainage shall be installed until crossed fill has been completed and compacted.
4. A prefix of 5 may have to be added to contours and spot grades.

Reviewed for Howard S.C.D.
None

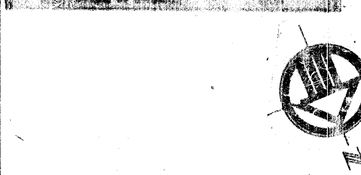
and meets Technical Requirements

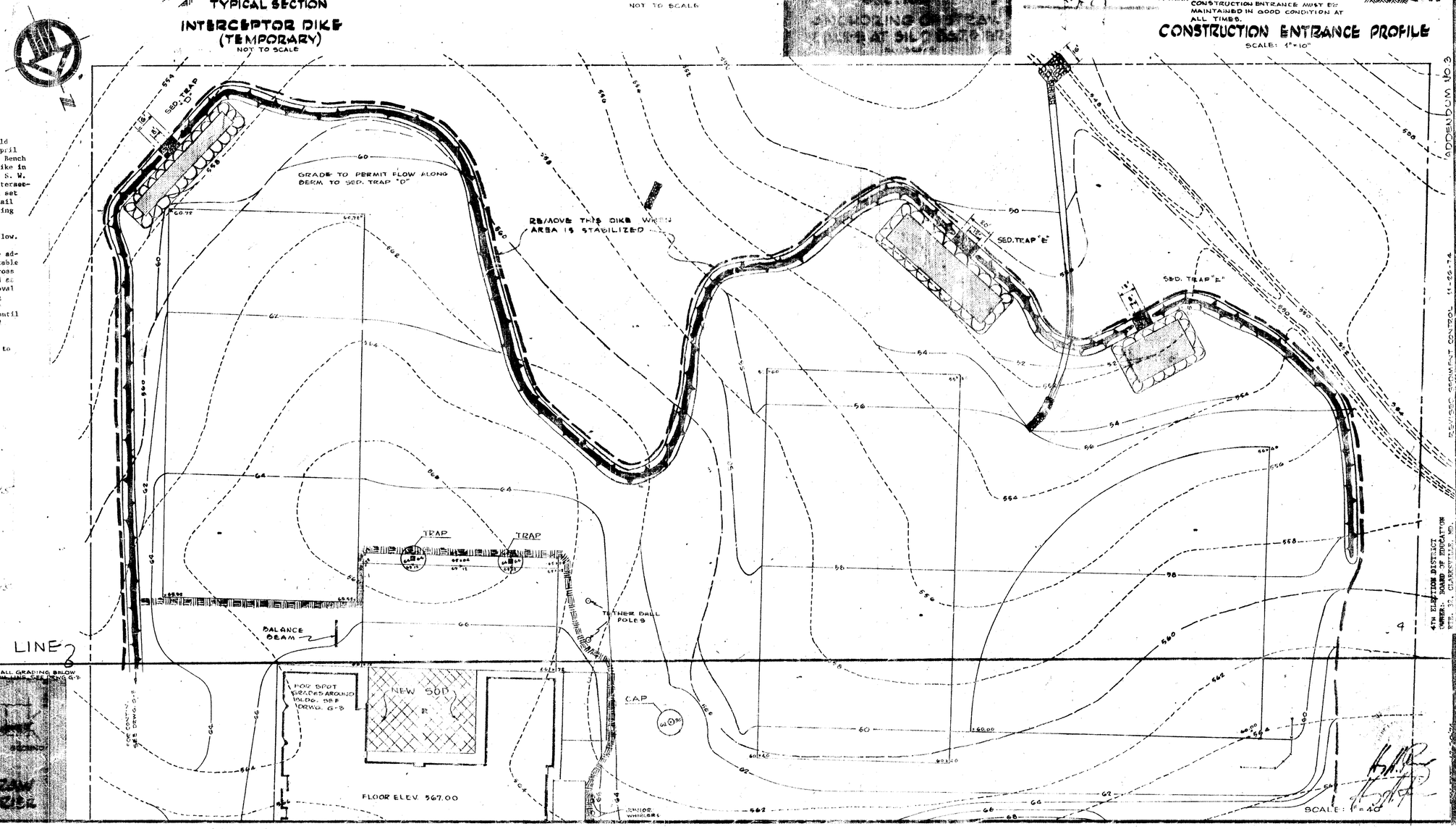
Signature — Date 9-10-75

U.S. Soil Conservation Service

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

Approved — Date 9-10-75
Howard S.C.D.





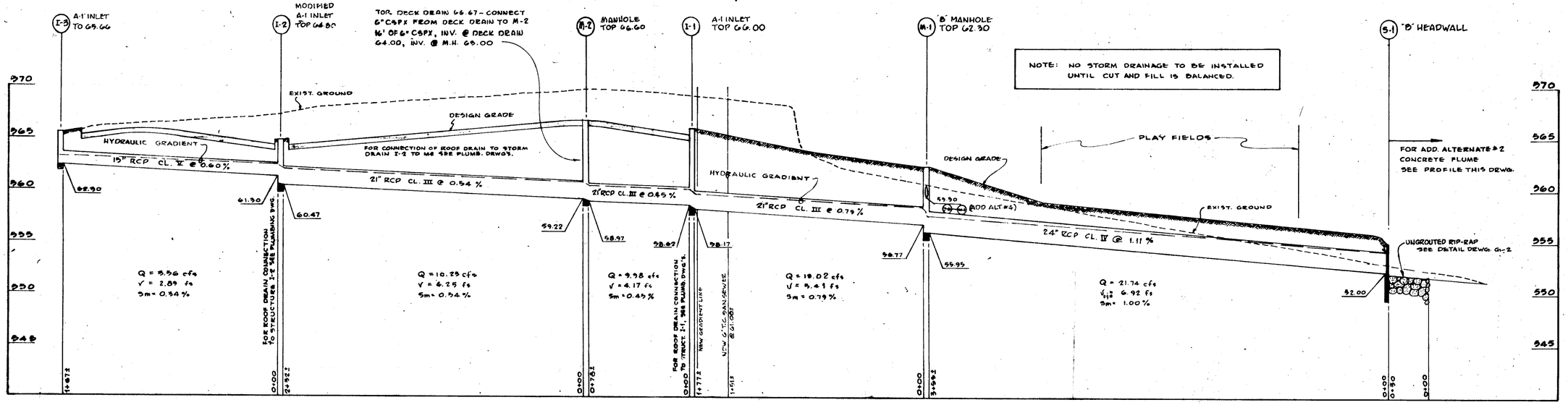
ADDENDUM #3

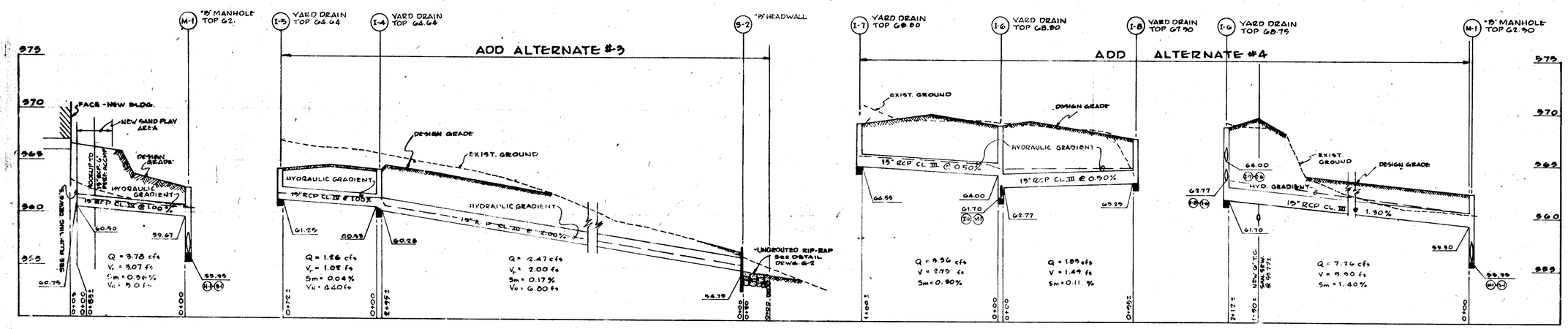
11-16-79

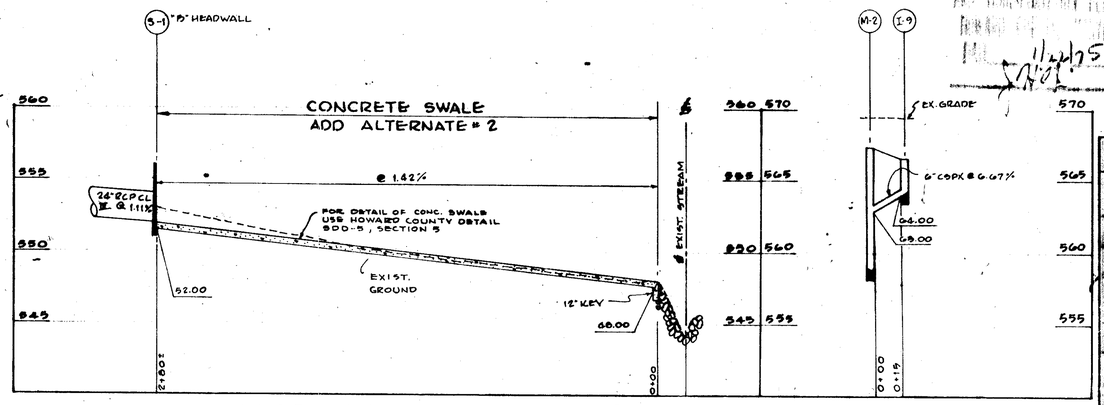
REVISED SEDIMENT CONTROL

4TH ELECTION DISTRICT
OWNER: BOARD OF EDUCATION
RTE. 32, CLARKSVILLE, MD.

GRADING PLAN & SEDIMENT CONTROL





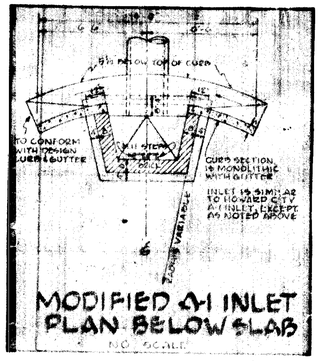


STORM SEWER PROFILES SCALE: HOR. 1"=40' VERT. 1"=5'

APPROVED
Howard County Health Department
11/22/75

and meets Technical Requirements
Signature Date 9-10-75
U. S. Soil Conservation Service
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
Approved Date 9-10-75
Howard S.C.D.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
DATE 9-26-75
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
PLANNING DIRECTOR DATE 3-3-75
CHIEF, DIVISION OF LAND DEVELOPMENT & SUBDIVISION, OFFICE OF PLANNING DATE
APPROVED FOR PRIVATE WATER PRIVATE SEWER AND STORM DRAINAGE SYSTEMS AND ROADS BUREAU COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR DATE 9-30-75
CHIEF, BUREAU OF ENGINEERING DATE 9/16/75
STATE HIGHWAY ADMINISTRATION DATE



MODIFIED A-1 INLET PLAN BELOW SLAB
NO SCALE

STRUCTURE TABLE

NO.	TYPE	TOP ELEV.	REMARKS	INV.**
S-1	"B" HEADWALL	-	HOWARD CTY DETAIL SDD-21	53.00
S-2*	"	-	"	54.75
M-1	"B" MANHOLE	62.30	HOWARD CTY DETAIL SDD-9	55.95
M-2	"B" MANHOLE	66.60	"	58.97
I-1	A-1 INLET	66.00	HOWARD CTY DETAIL SDD-29	58.97
I-2	MODIFIED A-1 INLET	64.80	SEE DETAIL, THIS DRWG.	60.47
I-3	A-1 INLET	65.66	HOWARD CTY DETAIL SDD-29	62.30
I-4*	YARD DRAIN	64.25	AS DETAILED DRWG. G-2	60.28
I-5*	"	64.25	"	61.25
I-6*	"S" INLET	68.80	HOWARD CTY DETAIL SDD-23	61.70
I-7*	YARD DRAIN	68.80	AS DETAILED DRWG. G-2	66.50
I-8*	"	67.50	"	64.50
I-9	"	66.67	"	64.00

* ADD ALTERNATE. SEE PROFILES ADD ALTERNATE NO.

** OUTFALL INVERT

NOTE: ADD PREFIX OF 5 TO ALL INVERT & TOP ELEV. SHOWN ON THIS SHEET

McLEOD, FERRARA, ENSIGN
CHARTERED ARCHITECTS
GREEN & BRANDT
STRUCTURAL ENGINEERS
MECHANICAL & ELECTRICAL ENGINEERS
SITE ENGINEERS

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

4TH ELECTION DISTRICT
OWNER: BOARD OF EDUCATION
RTE. 32, CLARKSVILLE, MD.

LISBON ELEMENTARY SCHOOL
HOWARD COUNTY, MARYLAND

STORM SEWER PROFILES

REV. DATE 12-30-74

G-5

7 SHEETS

COMPLETE SET OF SITE DEVELOPMENT DRAWINGS:

G-1 LAYOUT PLAN
G-2 LAYOUT PLAN
G-3 GRADING PLAN AND SEDIMENT CONTROL
G-4 GRADING PLAN AND SEDIMENT CONTROL
G-5 STORM SEWER PROFILES
DD-1 DRAINAGE DIVIDES
DD-2 DRAINAGE DIVIDES
7 PAGES OF STORM DRAINAGE COMPUTATIONS.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER — DATE 7/28/75
APPROVED, HOWARD COUNTY OFFICE OF PLANNING AND ZONING
PLANNING DIRECTOR — DATE
CHIEF, DIVISION OF LAND DEVELOPMENT AND ENVIRONMENTAL PLANNING — DATE
APPROVED FOR PRIVATE WATER, PRIVATE SEWER AND STORM DRAINAGE SYSTEMS AND ROADS UNDER JURISDICTION OF PUBLIC SERVICE COMMISSION OF MARYLAND
DIRECTOR — DATE
CHIEF, BUREAU OF ENGINEERING — DATE

Prepared for Howard ... [illegible]
and in accordance with all applicable technical requirements
Engineer
Soil Conservation Service
THIS DEVELOPMENT PLAN IS IN PRINCIPLE FOR SITE LOCATION AND STRUCTURE CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
Approved
Chairman, S.C.D.

MATCH LINE

PLAY EQUIPMENT IN SAND PLAY AREA
1- Magic Carpet Climber
2- Bunker Hill - 2 Way
1- Slide
1- Overhead Ladder
1- Cargo Net
1- Triple Chinning Bar
For all above, refer to Specs.

BASE BID - OMIT WALK IF ALT. #1 IS ACCEPTED SEE DRWG. A-1

EXIST. BACKSTOP TO BE REMOVED

PROPOSED ELEMENTARY SCHOOL

NOTE THAT NEW BUILDING IS LOCATED FROM SOUTHWEST CORNER OF EXIST. SCHOOL BUILDING.

FOR YARD DRAIN AND STORM DRAIN UNDER BUILDING SEE PLUMB. DRWGS.

SAND PLAY AREA

FOR SAND PLAY AREA DETAILS, SEE ARCH. DRWGS.

PAVED PLAY AREA

LAYOUT OF PLAY EQUIPMENT IN SAND PLAY AREA TO BE COORDINATED WITH OWNER'S REQ'D. SEE LIST OF EQUIPMENT ON THIS DRWG.

5-JUNIOR WHIRLERS

PLAY FIELD

SOFTBALL FIELD

FOR LEACHING FIELD IN THIS AREA SEE PLUMB. DRWGS.

NEW BACKSTOP SEE SPECS

ALTERNATE #4

PROPOSED 6" T.C.

SEE DRWG. P-1 FOR LOCATIONS OF GAS, OIL AND WATER TANKS.

FOR GAS LINE AND SAN. SEWER SEE PLUMB. DRWGS.

FLAGPOLE

FEATHER CURB, SEE DRWG. A-1 FOR CURB AND RETAINING WALL

SOFTBALL FIELD TO BE ALIGNED WITH NEW SCHOOL BUILDING.

SOFTBALL FIELD

NEW BACKSTOP SEE SPECS.

POSITIVE B.S. AT CENTER OF CURVE

EXIST. POLES TO BE REMOVED

20 SPACES @ 10' = 200'

80 SPACES @ 10' = 800'

EXIST. WELL - SEE NOTE ON DRWG. G-5

FEATHER NEW CURB LAST TWO FEET

EXIST. ASPHALT ROAD — SOUTH ALLEY

TEMPORARY CONSTRUCTION FENCE

THIS BUILDING TO BE REMOVED UNDER THIS CONTRACT. NOT TO BE REMOVED UNTIL NEW BUILDING COMPLETED.

EXIST. 1½ STORY CONCRETE BLOCK

EXIST. BIT. CONC. PAVEMENT TO BE REMOVED

EXIST. PAVEMENT TO REMAIN

EX. ELECT. AND HOT WATER

EX. STEPS

TEMPORARY CONSTRUCTION FENCE

EXISTING BUILDING (TO REMAIN)

NEW CURB AND GUTTER TO MEET EXIST. C & G.

EXIST. ASPHALT DRIVE

EX. BARN

EXIST. GRAVEL DRIVE

EXIST. ASPHALT PARKING TO REMAIN

WIDEN EX. DRIVE TO 30'

RIDGLEY 195/124

FEATHER CURB

PROPOSED FUTURE R/W LINE

EXIST. PROP. LINE BY DEED

NEW CURB & GUTTER TO END WHERE IT MEETS EXIST. EDGE OF PAVEMENT AND AT PROP. LINE.

PLACE DUMPED R/P-RAP FROM PAVE. TO DITCH TO MEET FIELD CONDITIONS.

REMOVE EXIST. SHOULDER & PAVE AS SHOWN HEREON

ROUTE #144

FOR WORK WITHIN LIMIT OF DASHED LINES AS SHOWN, CONTRACTOR SHALL STATE SEPARATE PRICE. SEE SPECS.

ALL WORK WITHIN R.O.W. TO COMPLY WITH REQUIREMENTS OF MD. STATE HIGHWAY ADMIN.

SCALE 1" = 40'

OWNER: CARL M. FREEMAN 445/787

N 19° 50' 50" E 1296.41'

N 68° 22' 30" W 173.55'

S 21° 21' 20" W 614.66'

S 16° 00' 00" W 304.0'

N 68° 22' 30" W 20.00

P. DAYHOFF 235/121

F. JAYREIT 474/424

R. ESWORTHY JR. 387/617

OWNER: SIRK
LIBER 426
FOLIO 228

OWNER: CARL M. FREEMAN 445/787

LEGEND

EXISTING		NEW
	BUILDING	
	CONCR. CURB AND GUTTER	
	CONCR. PAVEMENT	
(TO REMAIN)	BITUM. CONCR. PAVEMENT	
	STORM SEWER WITH STRUCTURE	(BY OTHERS)
	RIP RAP	
	PROPERTY LINE	
	RIGHT OF WAY	
	ALTERNATE	
	CONSTRUCTION FENCE	
	PAINTED LINE	
	EXISTING FENCE	
	ROOF DRAINS (RD)	

ALL ROOF DRAINS ARE PART OF MECHANICAL CONTRACT

GENERAL NOTES

1. For Building Dimensions and Additional Details refer to Architectural Drawings.
2. For Sanitary Sewer, Water, and Roof Drains refer to Plumbing Drawings.
3. For all electrical work refer to Electrical Plans.
4. All disturbed, unpaved areas to be topsoiled, fertilized, limed, seeded and mulched, unless shown sodded on Grading Plan.
5. All construction and materials shall be in accordance with Howard County Road Construction Code, and applicable revisions of the Maryland State Highway Administration "Specification for Materials, Highways, Bridges and Incidental Structures".
6. 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.
7. All exposed portions of channels, frames and grates of storm drainage structures shall receive two coats of an approved paint.
8. All structures having a depth of 3 feet or more shall have C.I. manhole steps, staggered at 15" O.C.
9. Standard curb and gutter for drives and parking area on site to be Howard County standard 7" combination curb and gutter as shown on Drawing D-40, page 95 of the county standards. Curb and gutter along new shoulder abutting state road shall be type "A" combination concrete curb and gutter, standard MSHA detail Md. - 620.06, with 12" gutter.
10. 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.
11. Contact "Miss Utility" at least 24 hours prior to commencing excavation.

BIT. CONC. SURFACE COURSE MSHA SPEC. B
BIT. CONC. BASE COURSE MSHA SPEC. B
WELL COMPACTED SUBGRADE AS APPROVED BY MSHA

PAVEMENT-ALONG STATE HGWY #144

BIT. CONC. SURFACE COURSE BAND C-5
BIT. CONC. BASE COURSE BAND C-2 OR G-5
WELL COMPACTED SUBGRADE

PAVEMENT-ON SITE DRIVES & PARKING LOTS

BIT. CONC. SURFACE COURSE BAND C-5
BIT. CONC. BASE COURSE BAND C-2 OR G-5
WELL COMPACTED SUBGRADE

PAVEMENT-ON SITE PLAY AREAS

NOT TO SCALE

FOR ALL PAVEMENT SHOWN ABOVE A TACK COAT IS REQUIRED IN ACCORDANCE WITH SECTION C-81 OF HOWARD COUNTY ROAD CONSTRUCTION CODE.

ASSOCIATED ENGINEERS, INC.
SITE ENGINEERS
8359 SIXTEENTH STREET
SILVER SPRING, MARYLAND 20910
TEL. 301-589-7311

SITE INFORMATION

OWNER: BOARD OF EDUCATION
RTE. 32, CLARKSVILLE, MD.

LOCATION: ON RTE. 144

ELECTION DISTRICT: 2ND

TAX MAP:

PARCEL NO.: 241

AREA OF PROPERTY: 22.54 Ac±

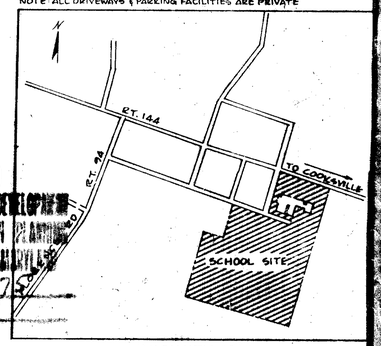
ZONING:

PROPERTY RECORDED:

LIBER	FOLIO
155	89
213	399
227	356
55	149

4TH ELECTION DISTRICT
OWNER: BOARD OF EDUCATION
RTE. 32, CLARKSVILLE, MD.

NOTE: ALL DRIVEWAYS & PARKING FACILITIES ARE PRIVATE

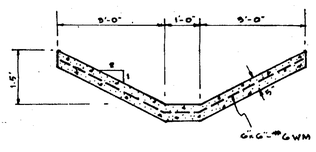


VICINITY MAP
NO SCALE

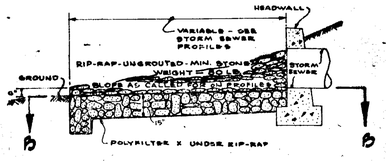
REV. DATE - 12-30-74

LAYOUT PLAN

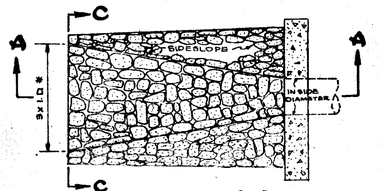
G-1



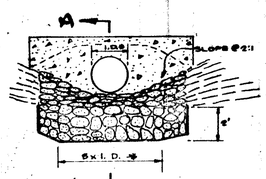
TYPICAL SECTION CONCRETE FLUME
SCALE - 1" = 2'-0"



SECTION A-A

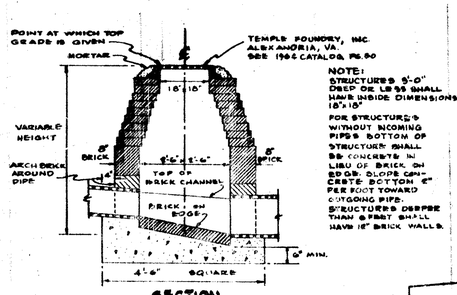


SECTION B-B



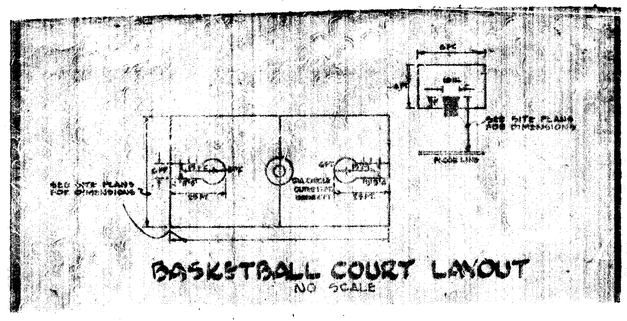
* = I.D. = INSIDE DIAMETER

SECTION C-C

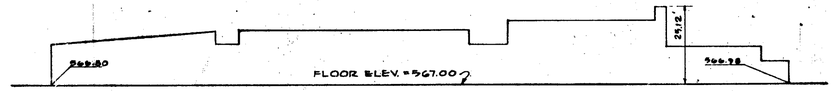


NOTE:
STRUCTURES 5'-0" DEEP OR LESS SHALL HAVE INSIDE DIMENSIONS 18"x18".
FOR STRUCTURES WITHOUT INCOMING PIPES BOTTOM OF STRUCTURE SHALL BE CONCRETE IN LIEU OF BRICK ON EDGE. SLOPE CONCRETE BOTTOM 4" PER FOOT TOWARD OUTGOING PIPE.
STRUCTURES DEEPER THAN 6 FEET SHALL HAVE 12" BRICK WALLS.

SECTION
YARD DRAIN
NOT TO SCALE



BASKETBALL COURT LAYOUT
NO SCALE

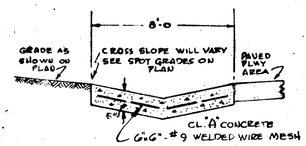


FRONT VIEW
SCALE: 1" = 25'

TYPICAL
UNGROUTED RIP-RAP DETAIL
NOT TO SCALE

APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER — DATE 2/26/75
APPROVED, HOWARD COUNTY OFFICE OF PLANNING AND ZONING
PLANNING DIRECTOR — DATE 3-3-75
CHIEF, DIVISION OF LAND DEVELOPMENT & TRANSPORTATION PLANNING — DATE 3/3/75
APPROVED FOR PRIVATE WATER, PRIVATE SEWAGE AND STORM DRAINAGE SYSTEMS AND ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR — DATE 3-7-75
CHIEF, BUREAU OF HIGHWAYS — DATE 3/18/75

Reviewed for Howard S.C.D.
Name
and meets Technical Requirements
Signature — Date 2-25-75
U. S. Soil Conservation Service
THIS DRAINAGE AREA PLAN IS APPROVED FOR SEDIMENT AND EROSION CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
Approved — 10-75



½" TRANSVERSE EXPANSION JOINTS SHALL BE PLACED @ 40' INTERVALS.

SECTION D-D
CONCRETE SWALE AT PAVED PLAY AREA
NO SCALE

FOR LEGEND AND APPLICABLE NOTES, SEE DRWG. G-1.

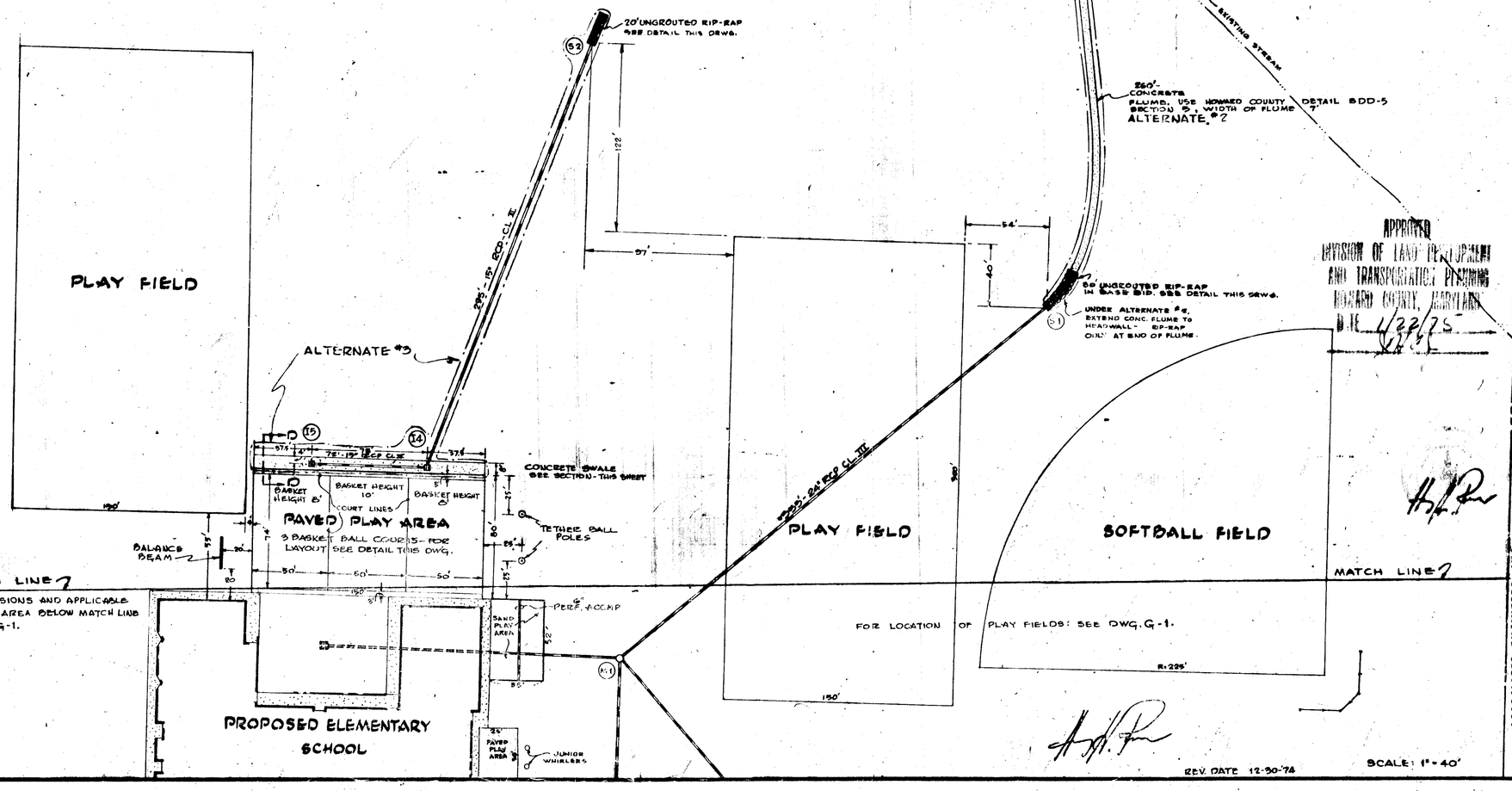
OWNER: CARL M. FREEMAN 445/767

N 19° 56' 50 E 1296.41'

N 70° 03' 10" W 1033.19'

S 21° 21' 20" W 614.66'

OWNER: NORMAN WELLER 184/554



APPROVED
DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
HOWARD COUNTY, MARYLAND
DATE 4/22/75

REV. DATE 12-30-74

SCALE: 1" = 40'

ASSOCIATED ENGINEERS, INC.
SITE ENGINEERING & SURVEYING
8333 COLESVILLE ROAD
SILVER SPRING, MARYLAND 20910
TEL. 301-585-2311

4TH ELECTION DISTRICT
OWNER: BOARD OF EDUCATION
LOT 32, CLARKSVILLE, MD.

LISBON ELEMENTARY SCHOOL
HOWARD COUNTY, MARYLAND

LAYOUT PLAN

G-2