

GRADING PLAN LEGEND

EXISTING BUILDING	[Symbol]
NEW BUILDING	[Symbol]
EXISTING STORM SEWER	[Symbol]
EXISTING SANITARY SEWER	[Symbol]
EXISTING WATER LINE	[Symbol]
EXISTING ELECTRIC/TELEPHONE (UNDERGROUND)	[Symbol]
EXISTING OIL LINE	[Symbol]
EXISTING CONTOUR	[Symbol]
NEW CONTOUR	[Symbol]
EXISTING SPOT GRADE	[Symbol]
NEW SPOT GRADE	[Symbol]
EXISTING FENCE	[Symbol]
NEW FENCE	[Symbol]
NEW STORM SEWER & STRUCTURE	[Symbol]
TEMPORARY SILT TRAP FOR INLET	[Symbol]
TEMPORARY SILT TRAP W/STONE OUTFALL	[Symbol]
TEMPORARY CAP FOR INLET	[Symbol]
TEMPORARY EARTH INTERCEPTOR DIKE	[Symbol]
TEMPORARY STONE INTERCEPTOR DIKE	[Symbol]
STRAW BALES	[Symbol]
AREAS TO BE SODDED	[Symbol]

SEDIMENT CONTROL NOTES

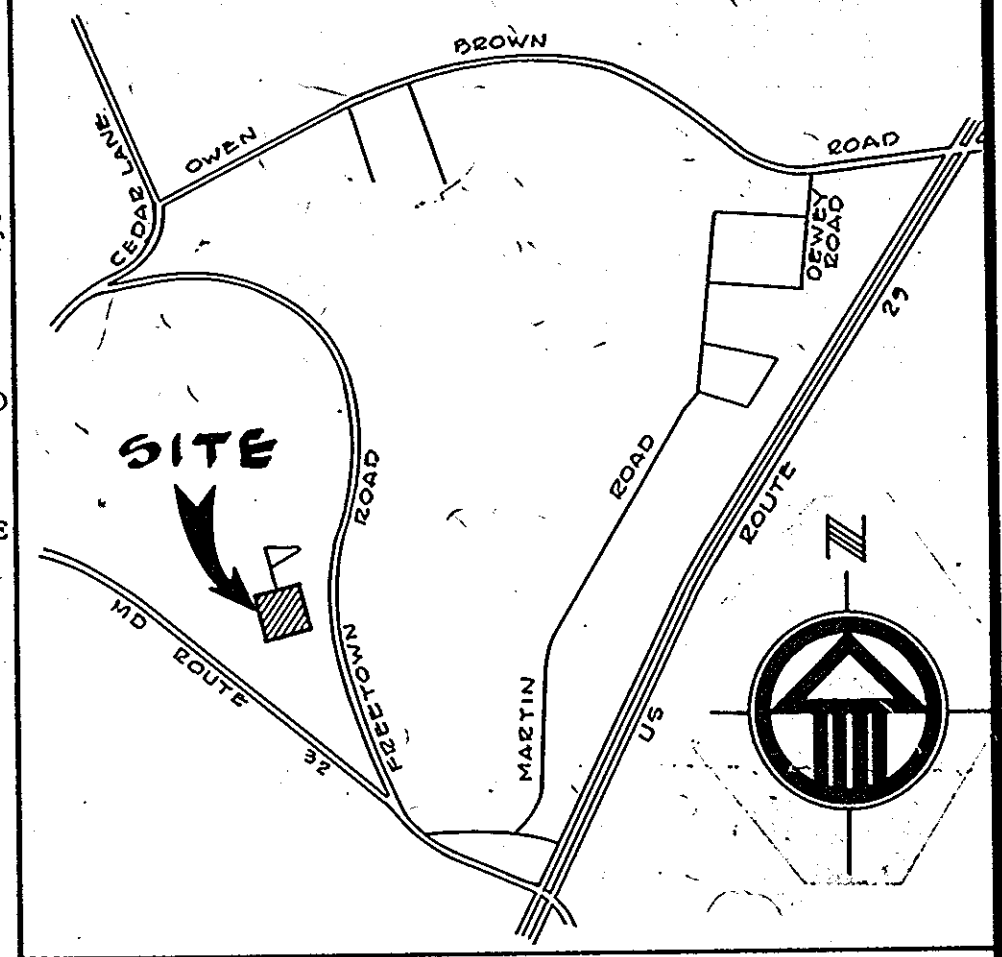
- Contractor shall notify the Howard Soil Conservation District and the Bureau of Inspection, License and Permits before starting any work. (Phone 465-3180)
- All sediment control features shall be constructed and stabilized in accordance with the approved plans. Sediment control features may be adjusted in the field; however, permission from Howard S.C.D. and Architect must be obtained.
- Periodic inspection and maintenance of all sediment control structures and features must be provided in order to insure that the intended purpose is accomplished.
- 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, 500 lbs. of 5-10-10 fertilizer per acre, 1.5 tons of mulch and 40 lbs. of Rye grass per acre.
- All dikes must have positive grade to an outlet.
- Field locations of dikes shall be adjusted as needed to utilize a stabilized safe outlet.
- Diverted runoff must outlet directly onto an undisturbed stabilized area.
- All disturbed unpaved areas shall be stabilized immediately after fine grading by topsoiling, liming, fertilizing, seeding or sodding. Refer to Grading Plan for limit of sodded areas.
- Topsoil shall meet all applicable requirements of the Maryland State Highway Administration "Specifications for Materials, Highways, Bridges and Incidental Structures".
- Topsoil shall be 4" thick (compacted) and placed to finished grade for sodded areas. Proper allowance in finished grade shall be made for sodded areas.
 - B. Lime shall be spread at a rate of one ton per acre.
 - C. Fertilizer 5-10-10 or equivalent shall be applied at a rate of 1700 lb. per acre. Both lime and fertilizer shall be uniformly applied to the loosened seedbed and shall be raked smooth prior to seeding or sodding.
 - D. Mixture for permanent seeding shall be 230 lbs per acre of Kentucky 31 Tall Fescue and 20 lbs. per acre of Rye.
 - E. Immediately after seeding the area shall be uniformly mulched at a rate of 3000 lbs. per acre, anchored with 480 gal. per acre of asphalt.
- For sodded areas, the sod shall be laid to a tight fit and rolled in order to knit it to the soil. Sodded areas shall be watered for up to 2 weeks to insure rooting to the soil below.
- No permanent slopes shall be steeper than 3:1. All slopes 4:1 and steeper shall be pegged.
- No temporary sedimentation measures are to be removed without permission by the Soil Conservation District and only just prior to stabilization of Tributary Areas.
- On 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.

GENERAL NOTES

- For building dimensions and additional details, refer to Architectural Drawings.
- For sanitary sewer, water, roof drains, and drain from trench drain in tunnel drive, refer to Mechanical Drawings.
- For all electrical work refer to Electrical Drawings.
- All disturbed, unpaved areas are to be topsoiled, fertilized, limed, seeded, and mulched, unless shown sodded. See Sediment Control Notes on this drawing.
- All construction and materials shall be in accordance with the 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 trenching. 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 cast iron manhole steps, staggered at 15" O.C.
- 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.
- Contact "Miss Utility" at least 24 hours prior to commencing construction.
- Pitch gutter of curbs to conform to adjacent drainage pattern.
- Prefix of 4 may have to be added to all design contours and spot grades.
- Thickness of topsoil shall be 4", compacted.
- Prefix of 4 may have to be added to some spot grades.
- Contractor shall provide all suitable fill materials to grade site as shown. Any excess or unsuitable material to be removed off site by contractor at no extra cost.
- A smooth transition shall be obtained where new paving meets existing paving.

CONSTRUCTION SEQUENCE

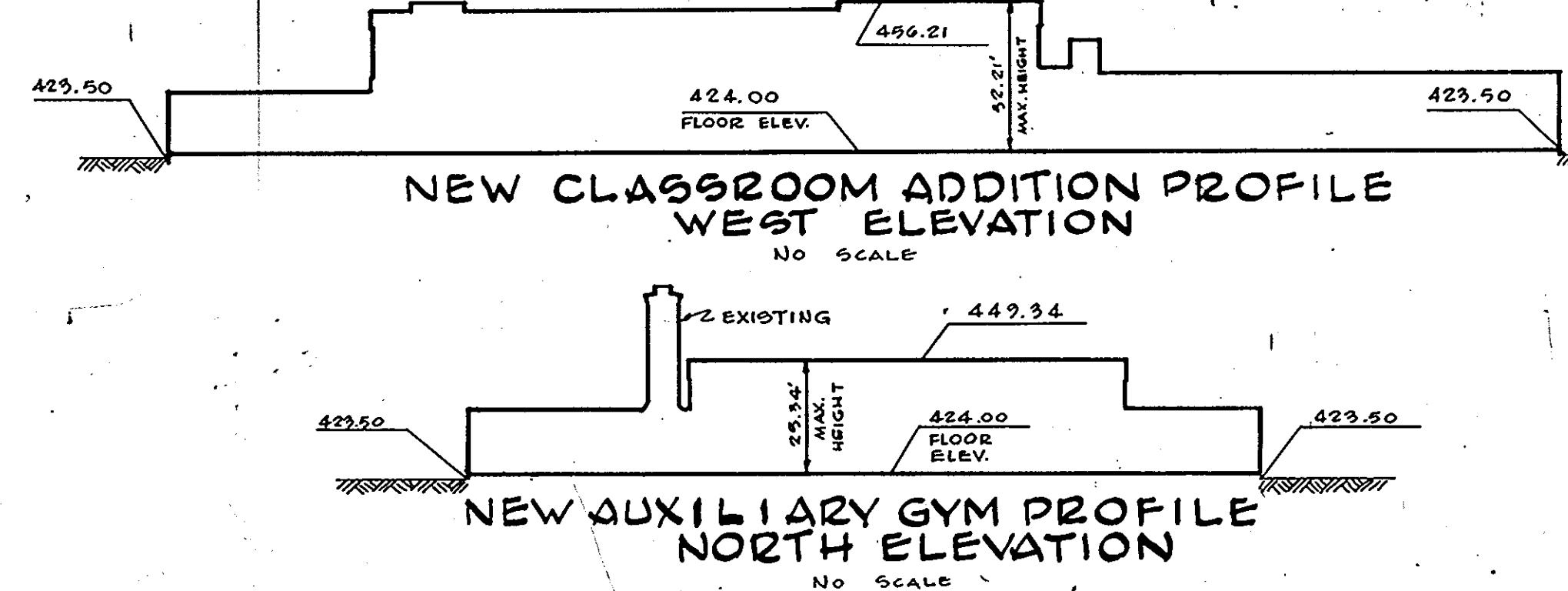
- CONSTRUCT CONSTRUCTION ENTRANCES AND ALL EARTH BERMS (EXCEPT BERM DIRECTLY TO NORTH OF NEW TENNIS COURTS), USING TOPSOIL. STABILIZE IN ACCORDANCE WITH SEDIMENT CONTROL NOTE 4. PUT STRAW BALES IN PLACE AS CALLED FOR.
- CONSTRUCT SEDIMENT TRAPS A THRU H. NOTE TO TRAP H: PRIOR TO CONSTRUCTING TRAP, REMOVE EXISTING INLET AND PIPE, AND CONSTRUCT SEDIMENT TRAP TO DESIGN GRADES. NOTE TO TRAP G: CONSTRUCT TO DESIGN GRADES SO THAT WHEN INLET I-12 IS CONSTRUCTED, TRAP G WILL REMAIN OPERATIONAL. PROVIDE TEMPORARY 42" HIGH SAFETY FENCE AROUND TRAPS C AND E. PROVIDE POSITIVE DRAINAGE AND SMOOTH TRANSITION TO ALL TRAPS.
- REMOVE EXISTING INLET @ NE CORNER OF NEW CLASSROOM WING AND EXISTING STORM SEWER M-2. CONSTRUCT M-2.
- COMMENCE ROUGH GRADING AND BUILDING CONSTRUCTION.
- INSTALL ALL NEW STORM DRAINAGE. INSTALL TRAPS OR STRAW BALES AT NEW INLETS AS INDICATED. CONSTRUCT TEMPORARY EARTH BERM AT NEW TENNIS COURT LOCATION. STABILIZE BERMS IN ACCORDANCE WITH SEDIMENT CONTROL NOTE 4.
- START CURB AND GUTTER AND BASE COURSE PAVEMENT CONSTRUCTION. NOTE THAT ACCESS ROUTES TO TWO PARKING LOTS FROM THE BUS DRIVE ARE NOT TO BE CONSTRUCTED UNTIL ACCESS ROUTES TO THESE LOTS FROM FREETOWN ROAD HAVE BEEN COMPLETED AND STABILIZED, AND ARE OPERATIONAL.
- WHEN BASEBALL FIELD HAS BEEN ROUGH GRADED, REMOVE SEDIMENT TRAP F. REMOVE EXISTING INLET AND STORM SEWER @ TRAP F AND STABILIZE DISTURBED AREAS.
- ONCE TENNIS COURTS AND BASEBALL FIELD HAVE BEEN STABILIZED, REMOVE TRAPS E, F, H, O, P, AND Q AND OTHER SUPPORTING SEDIMENT CONTROL DEVICES.
- FINISH BUILDING CONSTRUCTION, APPLY SURFACE COURSE AND STABILIZE REMAINING DISTURBED AREAS.
- REMOVE REMAINING SEDIMENT CONTROL DEVICES ONCE ALL AREAS ARE STABILIZED AND STABILIZE DISTURBED AREAS.
- CLEAN UP SITE AND START MAINTENANCE OF SEEDED AND SODDED AREAS.



VICINITY MAP
NO SCALE

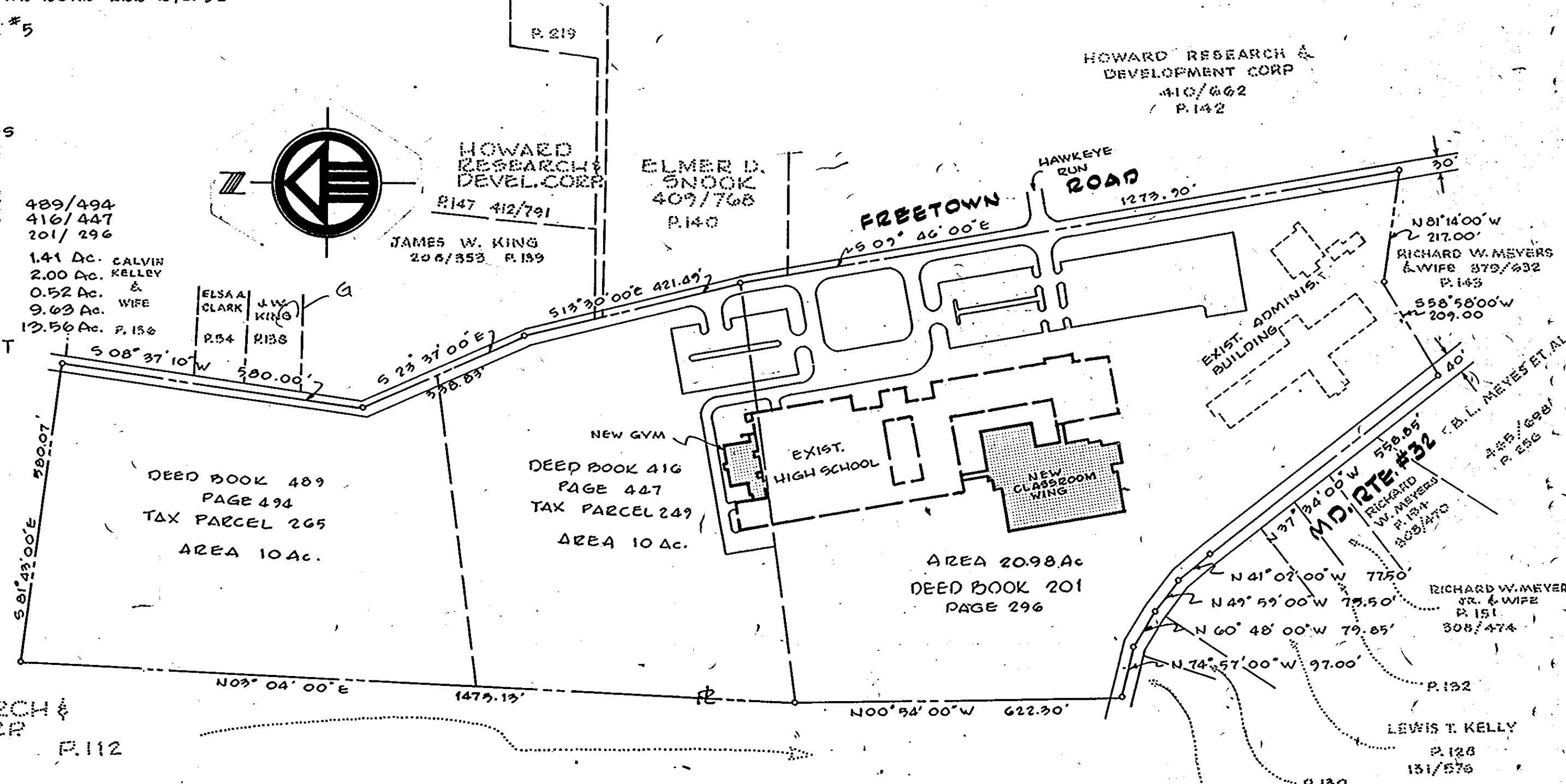
LAYOUT PLAN LEGEND

EXISTING BUILDING W/DOOR	[Symbol]
NEW BUILDING W/DOOR	[Symbol]
NEW CONCRETE PAVEMENT	[Symbol]
EXISTING ASPHALT PAVEMENT TO REMAIN	[Symbol]
NEW ASPHALT PAVEMENT	[Symbol]
EXISTING CURB	[Symbol]
NEW CONCRETE CURB	[Symbol]
NEW TEMPORARY ASPHALT CURB	[Symbol]
NEW PAINTED LINES	[Symbol]
EXISTING FENCE	[Symbol]
NEW FENCE	[Symbol]
EXISTING STORM SEWER	[Symbol]
NEW STORM SEWER	[Symbol]
EXISTING SANITARY SEWER	[Symbol]
EXISTING WATER LINE	[Symbol]
EXISTING ELECTRIC/TELEPHONE (UNDERGROUND)	[Symbol]
EXISTING UTILITY POLE	[Symbol]
EXISTING OIL LINE	[Symbol]
NEW ROOF DRAIN	[Symbol]
NEW RIP/RAP OR STONE STRUCTURE	[Symbol]
PROPERTY LINE	[Symbol]
EXISTING TREE	[Symbol]
EXISTING CURB TO BE REMOVED	[Symbol]



SITE ANALYSIS

OWNER: BOARD OF EDUCATION, RTE. 32, CLARKSVILLE, MD.
 LOCATION: FREETOWN ROAD AND RTE. 32
 ELECTION DISTRICT: #5
 TAX MAP: #35
 PARCEL #: 249
 AREA: 40.98 ACRES
 ZONING: R-40
 PROPERTY RECORDED: 489/494, 416/447, 201/296
 AREA OF BUILDING: 1.44 AC. CALVIN
 AREA OF PAVING: 2.00 AC. KELLY
 AREA SODDED: 0.52 AC. &
 AREA SEEDED: 9.63 AC. WIFE
 AREA DISTURBED: 12.56 AC. P. 158
 * NEW CONTRACT



BOUNDARY AND LOCATION PLAT
NOT TO SCALE

Reviewed for Howard S.C.D. and meets Technical Requirements
 Approved by [Signature] 11-10-75
 S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 Approved by [Signature] Date 11-10-75
 Howard S.C.D.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 [Signature] 11/14/75
 COUNTY HEALTH OFFICER
 APPROVED, HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 [Signature] 11-14-75
 PLANNING DIRECTOR
 CHIEF DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
 APPROVED FOR PUBLIC WATER, PUBLIC SEWER AND STORM DRAINAGE SYSTEMS AND ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 [Signature] 11-14-75
 DIRECTOR
 [Signature] 11/13/75
 CHIEF BUREAU OF HIGHWAYS

- COMPLETE SET OF SITE DEVELOPMENT DRAWINGS:
 C-0 COVER SHEET
 C-1 LAYOUT PLAN
 C-2 GRADING & SEDIMENT CONTROL PLAN
 C-3 LAYOUT, GRADING & SEDIMENT CONTROL PLAN
 C-4 LAYOUT, GRADING & SEDIMENT CONTROL PLAN
 C-5 STORM SEWER & PROFILES
 C-6 DETAILS
- COMPLETE SET OF SUPPORTING DRAWINGS:
 10 PAGES OF STORM DRAINAGE COMPUTATIONS
 DD-1 & DD-2 DRAINAGE DIVIDES

APPROVED
 DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 DATE 9-16-75

JOHANNES & MURRAY & ASSOCIATES
 REGISTERED ARCHITECTS
 888 PERKINS DRIVE SILVER SPRING, MD. 20910

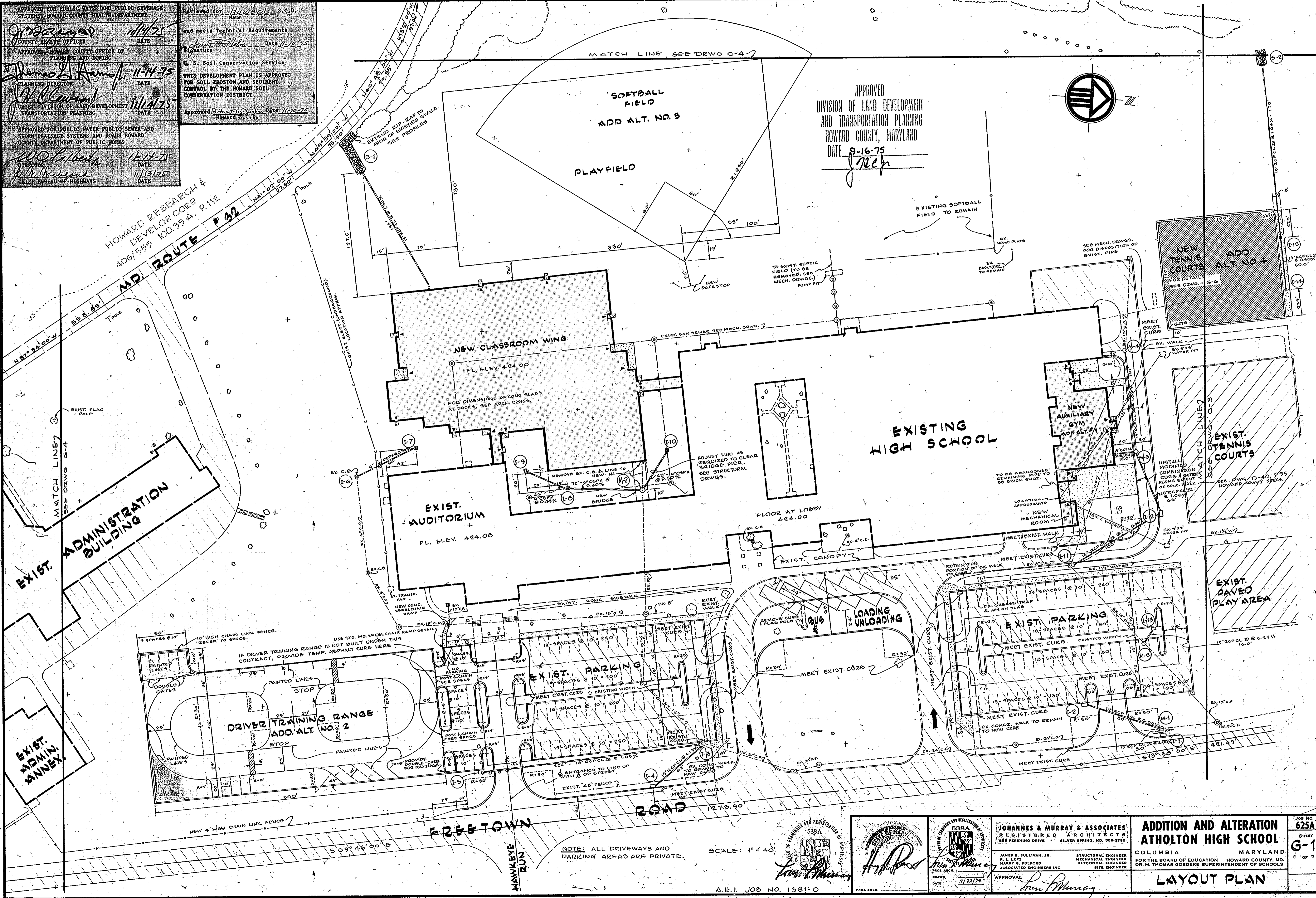
ADDITION AND ALTERATION
ATHOLTON HIGH SCHOOL
 COLUMBIA MARYLAND
 FOR THE BOARD OF EDUCATION HOWARD COUNTY, MD.
 DR. M. THOMAS GODEKE SUPERINTENDENT OF SCHOOLS

COVER SHEET

Job No: 625A
 SHEET G-0
 1 OF 2
 SDP-76-20 1281-C

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER
 DATE 11/14/75
 and meets Technical Requirements
 Signature
 Date 11-12-75
 U. S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 Approved
 Date 11-10-75
 HOWARD S.C.D.
 APPROVED FOR PUBLIC WATER PUBLIC SEWER AND STORM DRAINAGE SYSTEMS AND ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DATE 11-13-75
 DATE 11-14-75
 DATE 11-13-75

APPROVED
 DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 DATE 9-16-75
 J. Kelly



NOTE: ALL DRIVEWAYS AND PARKING AREAS ARE PRIVATE.

SCALE: 1" = 40'

A.E.I. JOB NO. 1381-C

Professional seals and stamps for the engineering firm, including the State of Maryland seal for James B. Sullivan, Jr. and the Professional Engineer seal for R. L. Lutz.

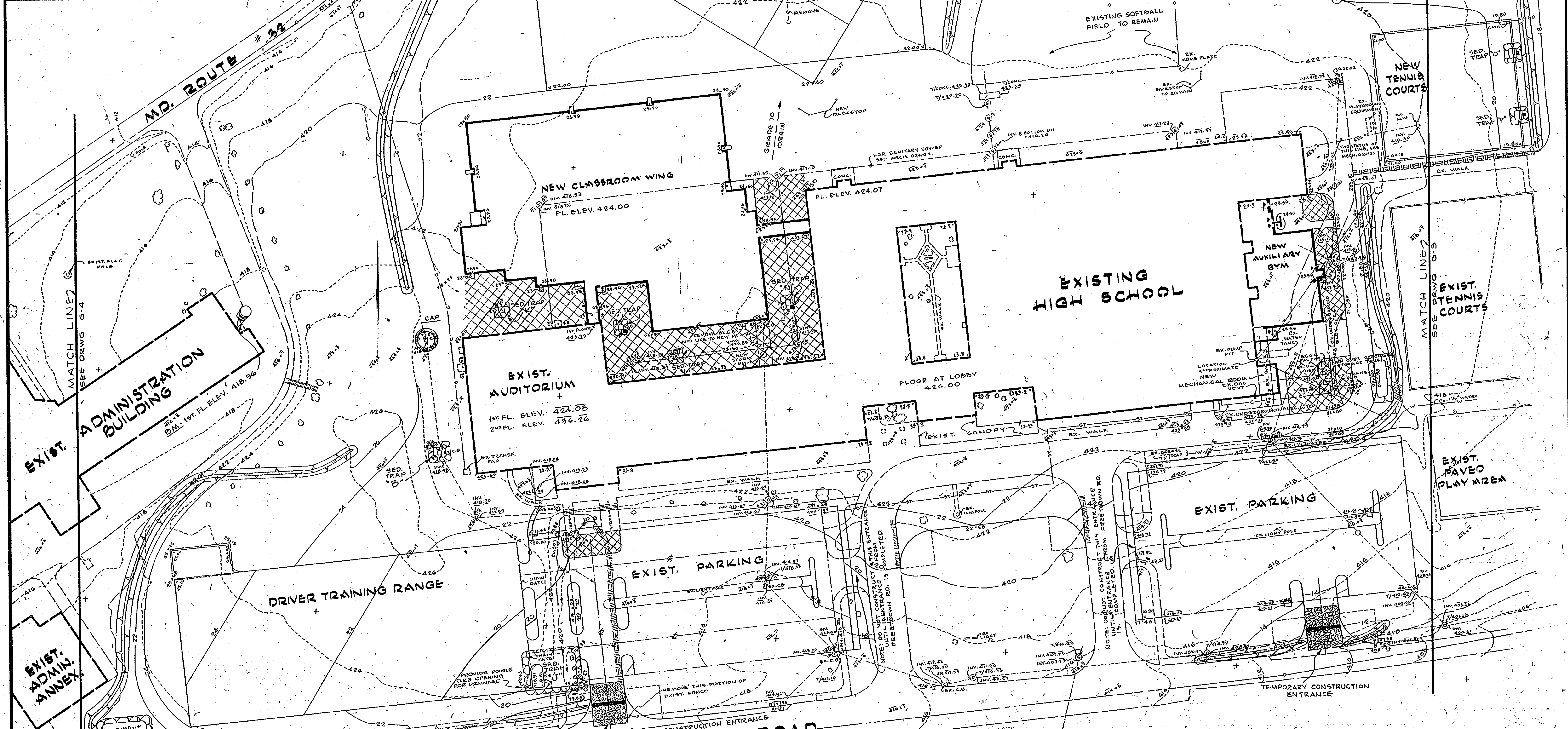
JOHANNES & MURRAY & ASSOCIATES
 REGISTERED ARCHITECTS
 958 PERSHING DRIVE, SILVER SPRING, MD. 20910
 JAMES B. SULLIVAN, JR. STRUCTURAL ENGINEER
 R. L. LUTZ MECHANICAL ENGINEER
 HARRY G. FULFORD ELECTRICAL ENGINEER
 ASSOCIATED ENGINEERS INC. SITE ENGINEER
 APPROVAL
 Date 7/27/75

ADDITION AND ALTERATION
ATHOLTON HIGH SCHOOL
 COLUMBIA MARYLAND
 FOR THE BOARD OF EDUCATION HOWARD COUNTY, MD.
 DR. M. THOMAS GOEDENKE SUPERINTENDENT OF SCHOOLS
LAYOUT PLAN

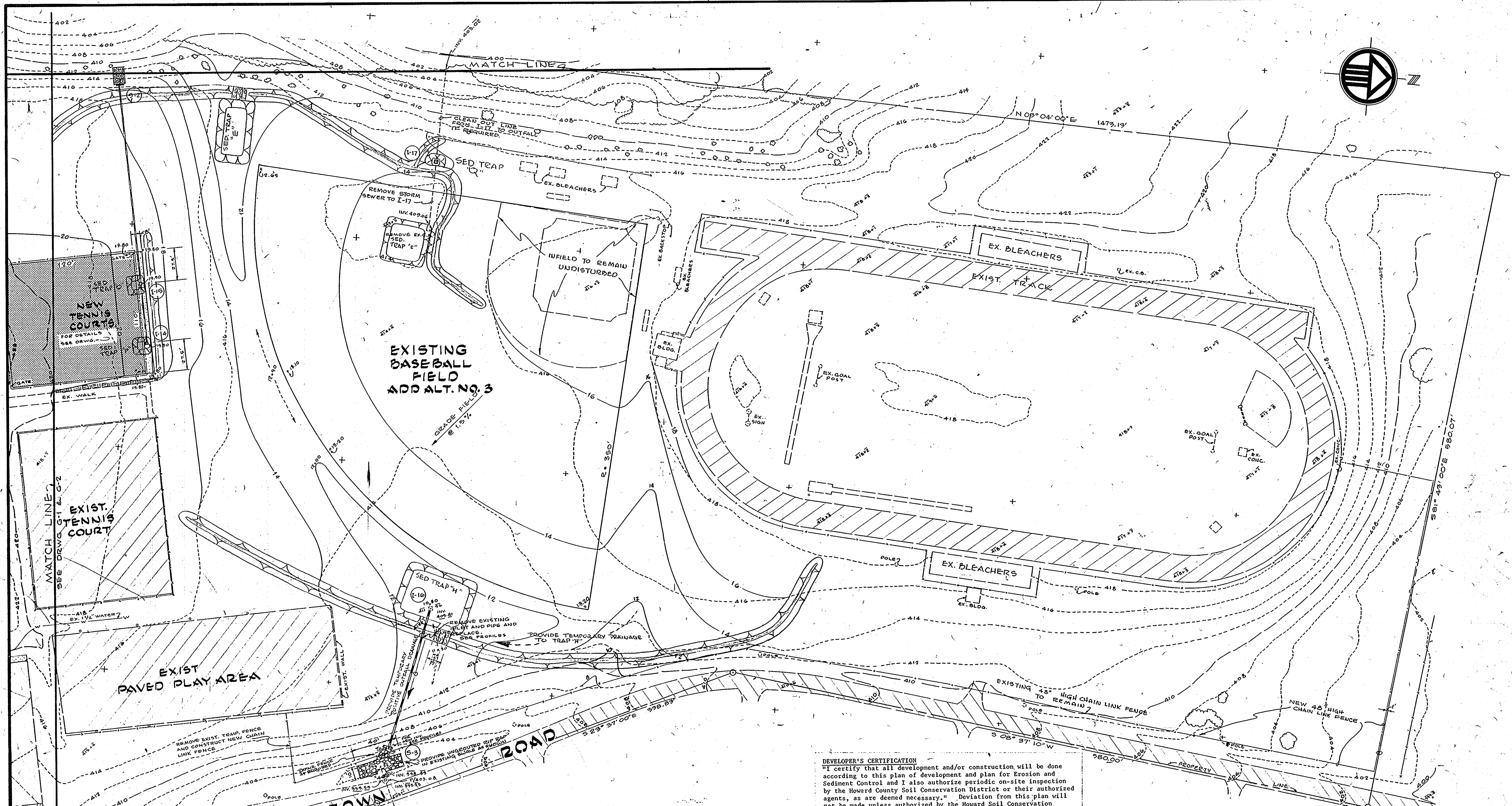
Job No. 625A
 SHEET G-1
 2 of 2

APPROVED FOR PUBLIC WATER AND PUBLIC SEWER SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER
 APPROVED, HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 PLANNING DIRECTOR
 CHIEF DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
 APPROVED FOR PUBLIC WATER, PUBLIC SEWER AND STORM DRAINAGE SYSTEMS AND ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR
 CHIEF BUREAU OF HIGHWAYS

Reviewed for S.D.P. and meets Technical Requirements
 Signature
 U.S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 Approved
 HOWARD S.C.D.



<p>APPROVED DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING HOWARD COUNTY, MARYLAND DATE 9-16-75</p>	<p>APPROVED REGISTERED ARCHITECTS JAMES B. SULLIVAN, JR. R. L. LUTZ HARRY G. FULFORD ASSOCIATED ENGINEERS INC. DATE 7/22/75</p>	<p>APPROVED REGISTERED ARCHITECTS ADDITION AND ALTERATION ATHOLTON HIGH SCHOOL COLUMBIA, MARYLAND FOR THE BOARD OF EDUCATION HOWARD COUNTY, MD. DR. M. THOMAS GOEDEKE SUPERINTENDENT OF SCHOOLS GRADING & SEDIMENT CONTROL PLAN</p>	<p>JOB NO. 625A SHEET G-2 3 OF 2</p>
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SCALE: 1" = 40'

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.
Charles Bagery 8/22/75
 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."
H. R. P. 8-22-75
 Date

APPROVED
 DIVISION OF LAND DEVELOPMENT
 AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 DATE 9-16-75
J. R. C.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
[Signature] 11/14/75
 COUNTY HEALTH OFFICER DATE

APPROVED, HOWARD COUNTY OFFICE OF PLANNING AND ZONING
[Signature] 11-14-75
 PLANNING DIRECTOR DATE

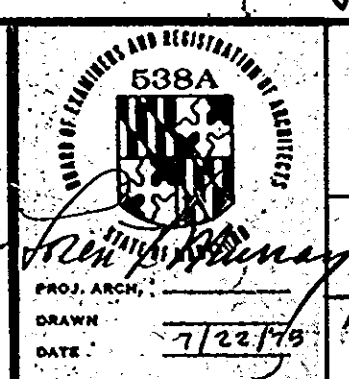
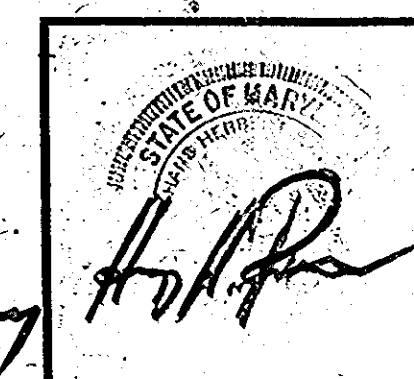
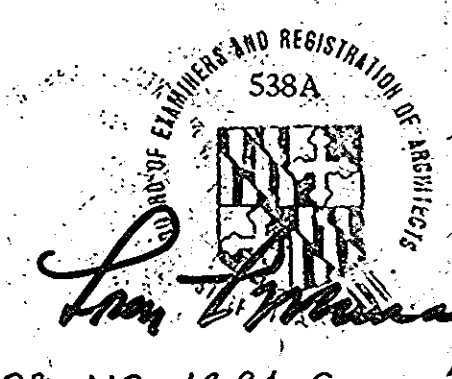
[Signature] 11/14/75
 CHIEF DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING DATE

APPROVED FOR PUBLIC WATER PUBLIC SEWER AND STORM DRAINAGE SYSTEMS AND ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] 11-14-75
 DIRECTOR DATE

[Signature] 11/31/75
 CHIEF BUREAU OF HIGHWAYS DATE

Reviewed for Howard S.C.D. and meets Technical Requirements
[Signature] Date 11-10-75
 Signature

U.S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 Approved *[Signature]* Date 11-10-75
 HOWARD S.C.D.



JOHANNES & MURRAY & ASSOCIATES
 REGISTERED ARCHITECTS
 855 PERSHING DRIVE SILVER SPRING, MD. 209-3792

JAMES B. SULLIVAN, JR. STRUCTURAL ENGINEER
 H. L. LUTE MECHANICAL ENGINEER
 HARRY G. FULFORD ELECTRICAL ENGINEER
 ASSOCIATED ENGINEERS INC. SITE ENGINEER

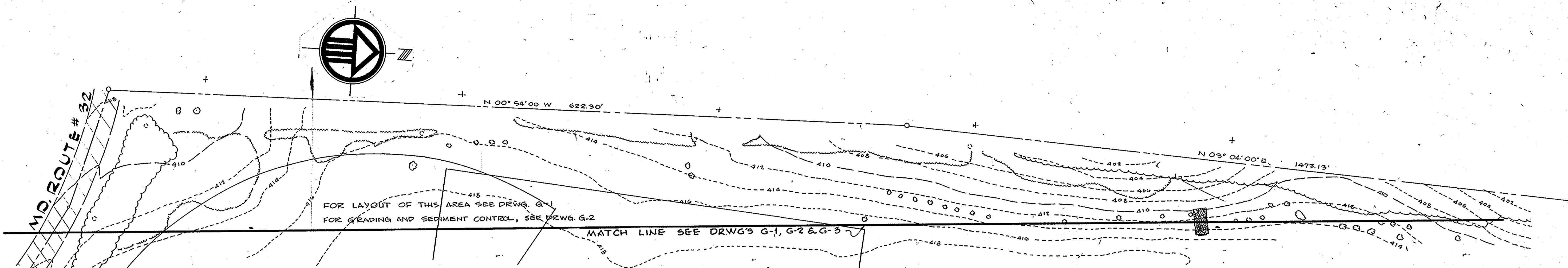
APPROVAL *[Signature]*

ADDITION AND ALTERATION
ATHOLTON HIGH SCHOOL
 COLUMBIA MARYLAND
 FOR THE BOARD OF EDUCATION HOWARD COUNTY, MD.
 DR. M. THOMAS GODEKKE SUPERINTENDENT OF SCHOOLS

LAYOUT, GRADING & SEDIMENT CONTROL PLAN

Job No. 625A
 SHEET G-3
 4 of 3

A.E.I. JOB NO. 1381-C



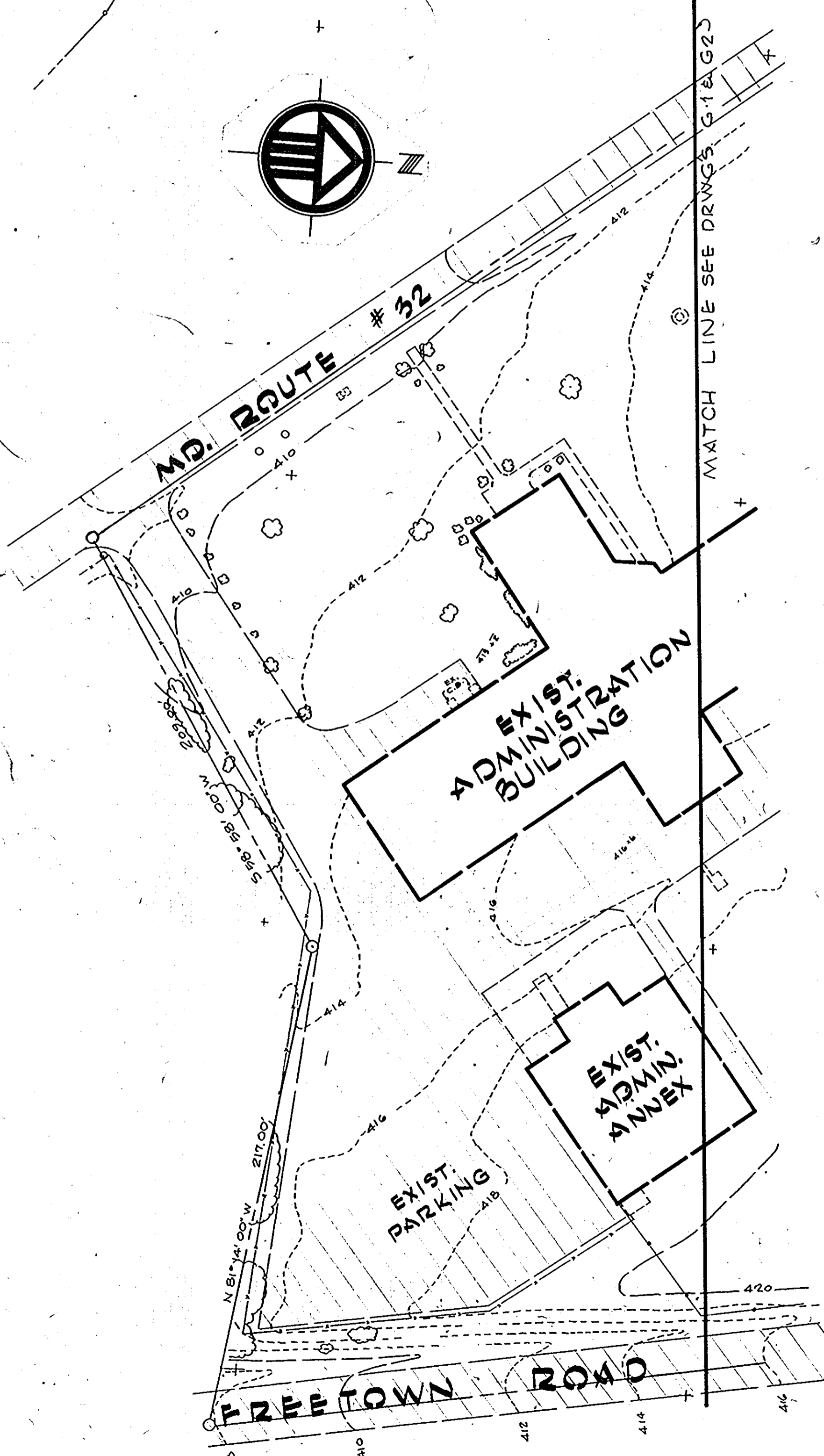
FOR LAYOUT OF THIS AREA SEE DRWG. G-1
FOR GRADING AND SEDIMENT CONTROL, SEE DRWG. G-2

MATCH LINE SEE DRWG'S G-1, G-2 & G-3

SCALE: 1" = 40'

TRAP NO.	TRIB. AREA (ACRES)	REQ'D CAP. (CU. YDS.)	DIMENSIONS (FT.)**			ACTUAL CAP. (CU. YARDS)	OUTFALL WEIR (FT.)	
			LENGTH	WIDTH	DEPTH		WIDTH	OVERALL STONE WIDTH
A	1.60	107.2	39	30	2	109.5	5	13
B	0.21	14.1	10	9	2	14.7	-	-
C	3.31	221.8	70	20	3	223.6	8	16
D	0.70	47.0	27	20	2	47.4	5	13
E	2.10	140.7	42	20	3	142.7	5	13
F	1.27	85.1	30	30	2	86.8	-	-
G	0.56	37.5	32	10	2	38.5	5	13
H	2.87	192.3	55	40	2	193.5	5	13
J	1.73	115.9	42	30	2	117.0	-	-
K	0.10	5.7	5	5	2	7.2	-	-
L	0.06	4.0	4	4	2	5.9	-	-
M	0.11	7.4	6	5	2	7.9	-	-
N	0.11	7.4	6	5	2	7.9	-	-
O	0.15	10.0	8	8	2	11.9	-	-
P	0.15	10.0	8	8	2	11.9	-	-
Q	0.11	7.4	6	5	2	7.9	-	-

* REQUIRED CAPACITY BASED ON 67 CU. YDS. REQUIRED VOLUME PER DISTURBED ACRE
** DIMENSIONS GIVEN ARE AT BASE OF TRAP



Revised for Howard S.C.D.
Name
and meets Technical Requirements
James R. Sullivan Date 11-10-75
Signature
U. S. Soil Conservation Service
THIS DEVELOPMENT PLAN IS APPROVED
FOR SOIL EROSION AND SEDIMENT
CONTROL BY THE HOWARD SOIL
CONSERVATION DISTRICT
Approved Howard S. D. Date 11-10-75
Signature

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
James R. Sullivan 11/14/75
COUNTY HEALTH OFFICER DATE
APPROVED, HOWARD COUNTY OFFICE OF
PLANNING AND ZONING
James R. Sullivan 11-14-75
PLANNING DIRECTOR DATE
James R. Sullivan 11/14/75
CHIEF DIVISION OF LAND DEVELOPMENT
TRANSPORTATION PLANNING DATE
APPROVED FOR PUBLIC WATER, PUBLIC SEWER AND
STORM DRAINAGE SYSTEMS AND ROADS HOWARD
COUNTY DEPARTMENT OF PUBLIC WORKS
James R. Sullivan 11-14-75
DIRECTOR DATE
James R. Sullivan 11/14/75
CHIEF BUREAU OF HIGHWAYS DATE

APPROVED
DIVISION OF LAND DEVELOPMENT
AND TRANSPORTATION PLANNING
HOWARD COUNTY, MARYLAND
DATE 9/16/75
J.R.C.

A.E.I. JOB NO. 1281-C

PROF. ENGR. DATE 7/22/75

PROF. ARCH. DATE 7/22/75

JOHANNES & MURRAY & ASSOCIATES
REGISTERED ARCHITECTS
405 PERSHING DRIVE SILVER SPRING, MD. 20910

JAMES R. SULLIVAN, JR. STRUCTURAL ENGINEER
R. L. LUTZ MECHANICAL ENGINEER
HARRY G. FULFORD ELECTRICAL ENGINEER
ASSOCIATED ENGINEERS INC. SITE ENGINEER

APPROVAL James R. Sullivan

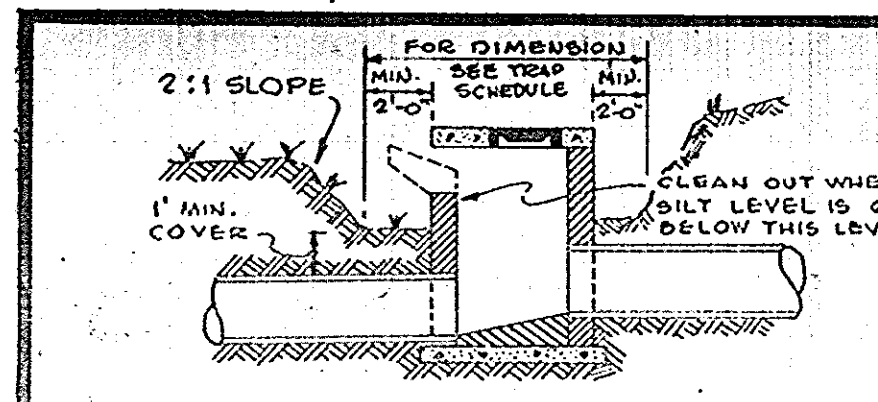
**ADDITION AND ALTERATION
ATHOLTON HIGH SCHOOL**

COLUMBIA MARYLAND

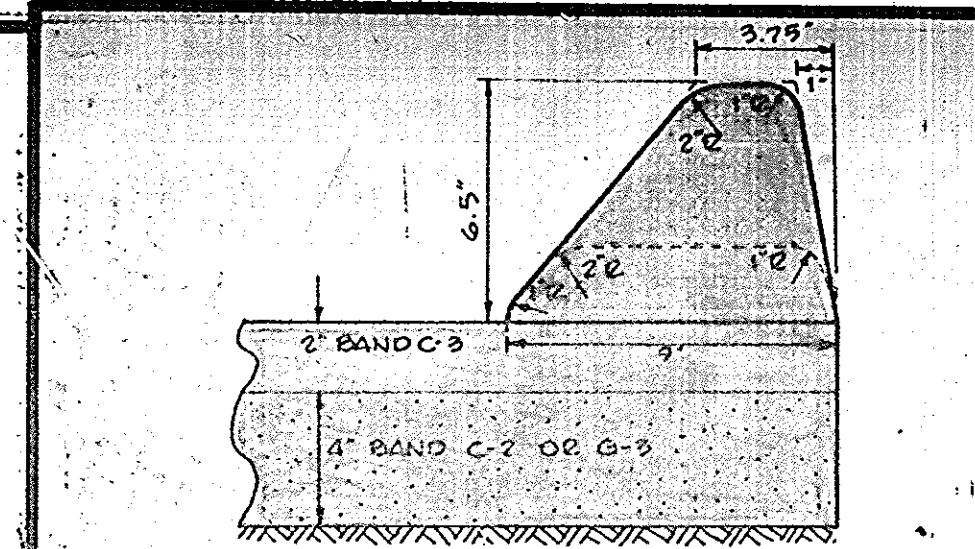
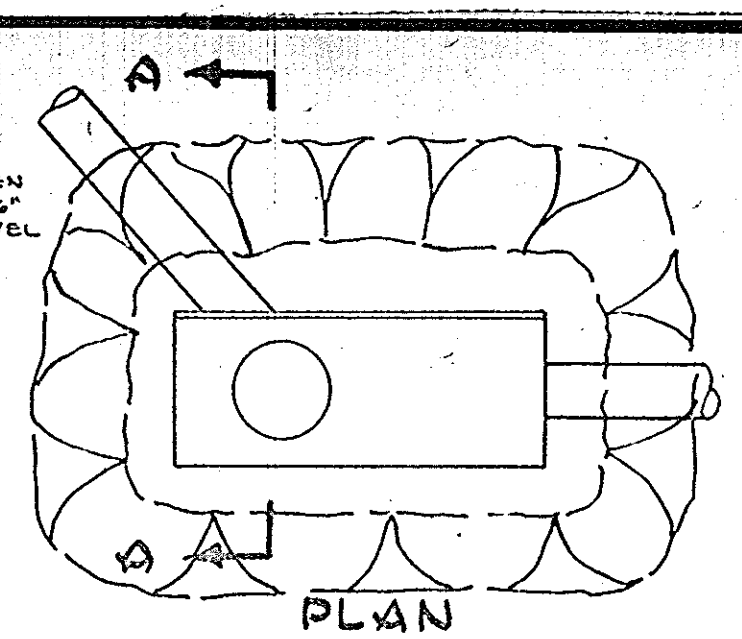
FOR THE BOARD OF EDUCATION HOWARD COUNTY, MD.
DR. M. THOMAS GOEDEKE SUPERINTENDENT OF SCHOOLS

LAYOUT, GRADING &
SEDIMENT CONTROL PLAN

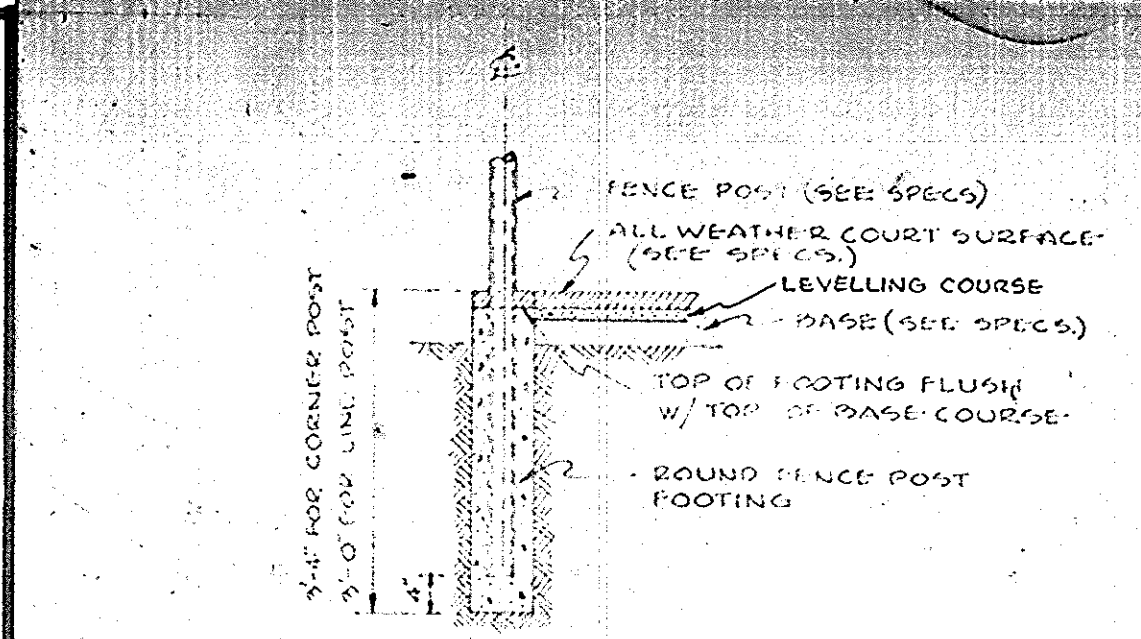
Job No. **625A**
Sheet **G-4**
5 of 7



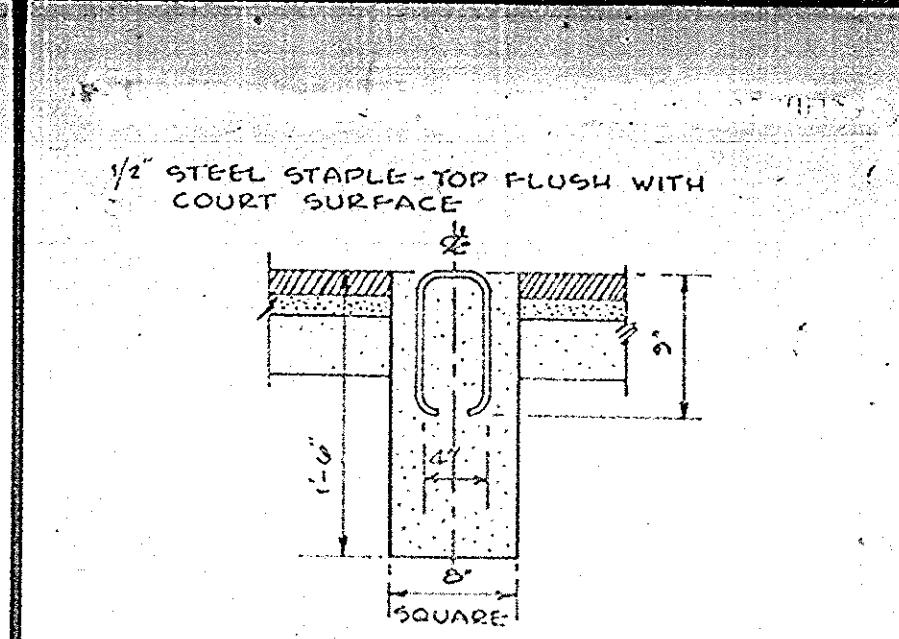
SECTION A-A
TEMPORARY SILT TRAP FOR CURB INLETS
TYPICAL
NOT TO SCALE



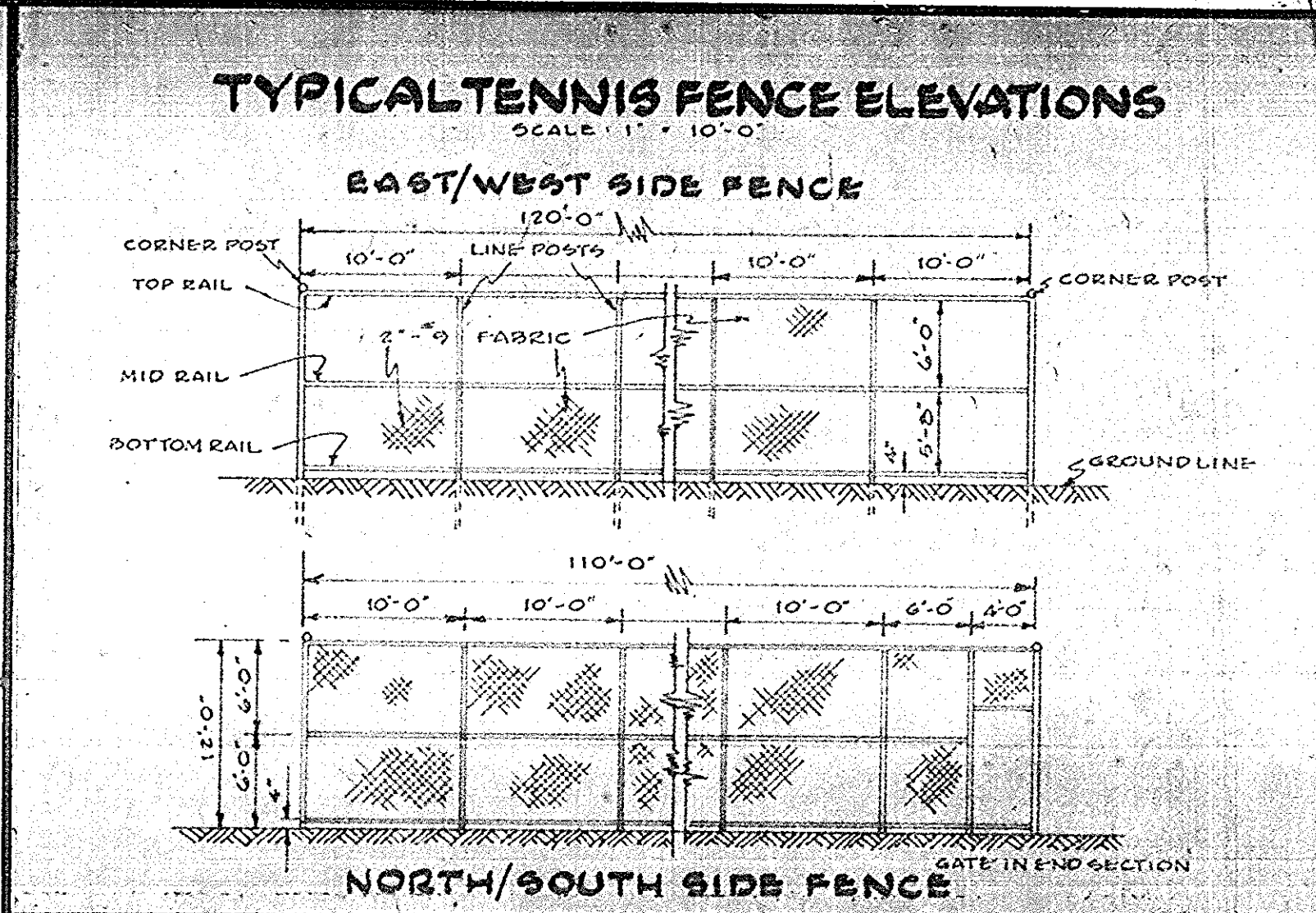
TEMPORARY
BITUMINOUS CURB
NO SCALE



FENCE POST FOOTING
SCALE: 1/2" = 1'-0"

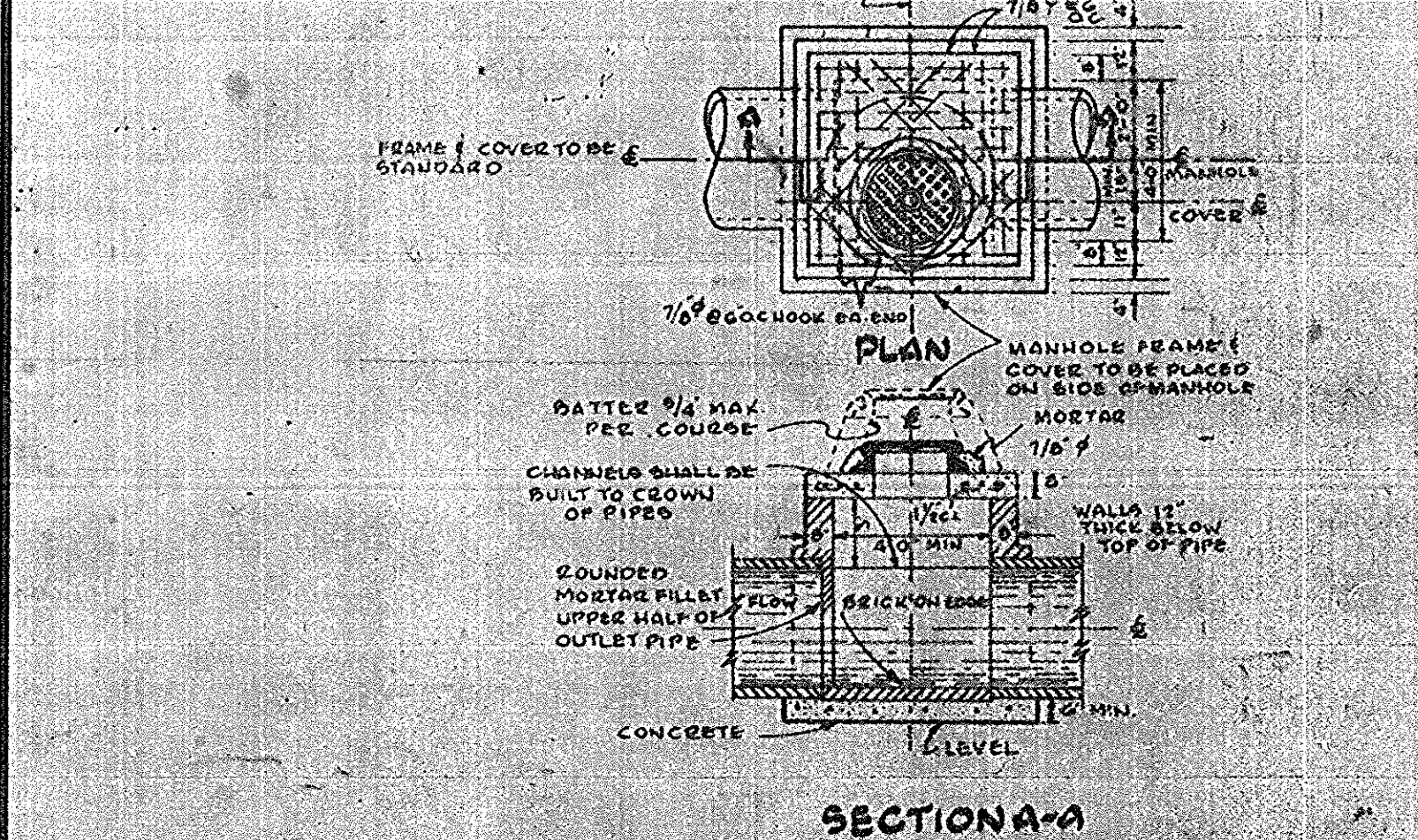


TENNIS NET ANCHOR
SCALE: 1" = 1'-0"



TYPICAL TENNIS FENCE ELEVATIONS
SCALE: 1" = 10'-0"

NOTES:
SECH BRICK AROUND ALL PIPES.
FOR PIPES LARGER THAN 24" PROVIDE STEPS IN CHANNEL OF STRUCTURES.
FOR PIPE DIAMETERS 36" AND LARGER MAKE WALLS 12" THICK BELOW TOP OF PIPE.



TYPICAL STORM DRAIN MANHOLE
TYPE "B"
NO SCALE

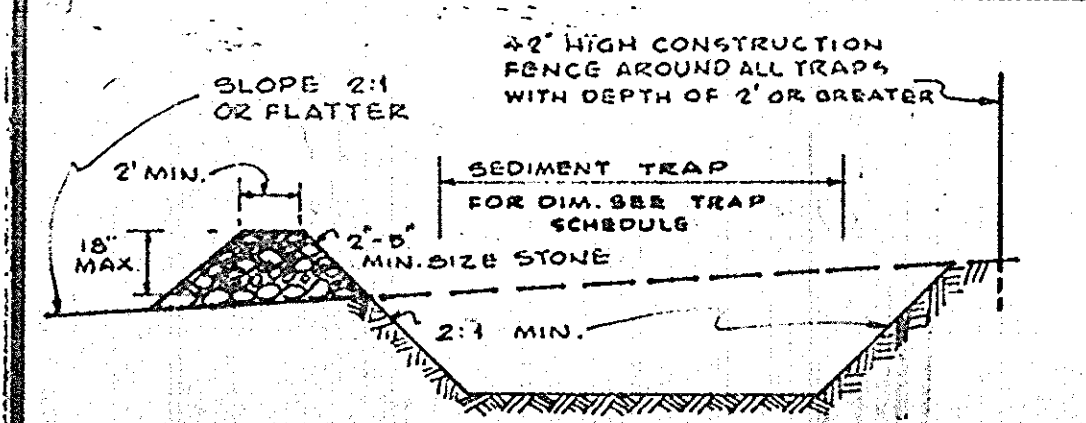
APPROVED
DIVISION OF LAND DEVELOPMENT
AND TRANSPORTATION PLANNING
HOWARD COUNTY, MARYLAND
DATE: 9-16-75

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER
APPROVED, HOWARD COUNTY OFFICE OF PLANNING AND ZONING
PLANNING DIRECTOR
CHIEF DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING

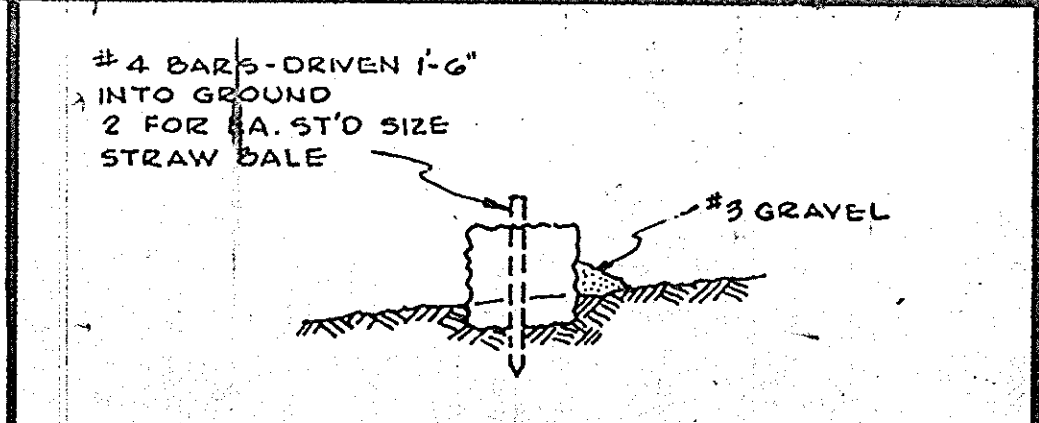
Reviewed for: Howard S.C.D.
and meets Technical Requirements
U. S. Soil Conservation Service
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
APPROVED FOR PUBLIC WATER PUBLIC SEWER AND STORM DRAINAGE SYSTEMS AND ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

JOHANNES & MURRAY & ASSOCIATES
REGISTERED ARCHITECTS
555 PERSHING DRIVE SILVER SPRING, MD. 20910
JAMES B. SULLIVAN, JR. STRUCTURAL ENGINEER
R. L. LUTZ MECHANICAL ENGINEER
HARRY G. FULFORD ELECTRICAL ENGINEER
ASSOCIATED ENGINEERS INC. SITE ENGINEER
APPROVAL: [Signature]
DATE: 7/22/66

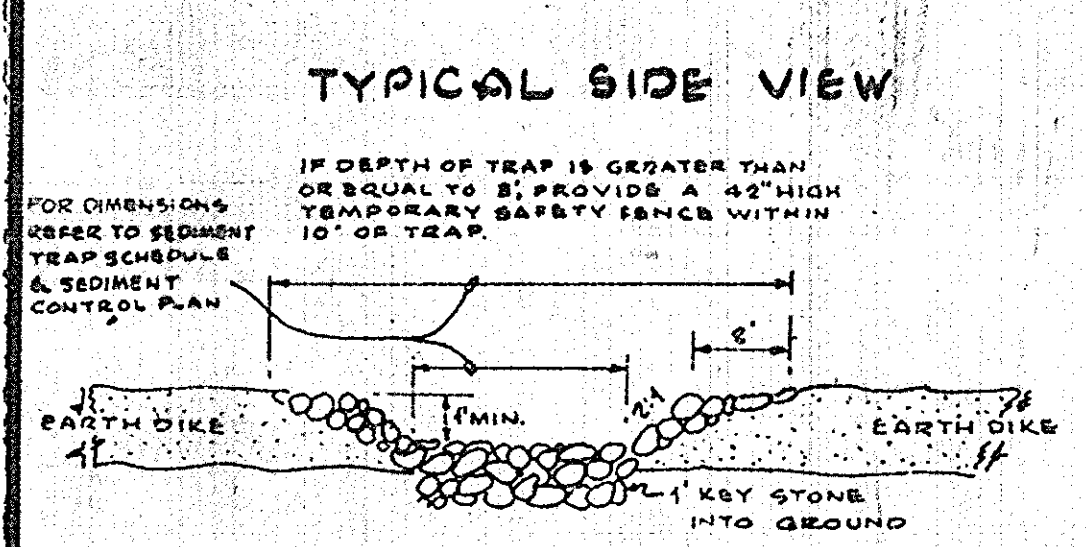
ADDITION AND ALTERATION
ATHOLTON HIGH SCHOOL
COLUMBIA MARYLAND
FOR THE BOARD OF EDUCATION HOWARD COUNTY, MD.
DR. M. THOMAS GODEKE SUPERINTENDENT OF SCHOOLS
DETAILS
Job No. 625A
Sheet 6 of 9



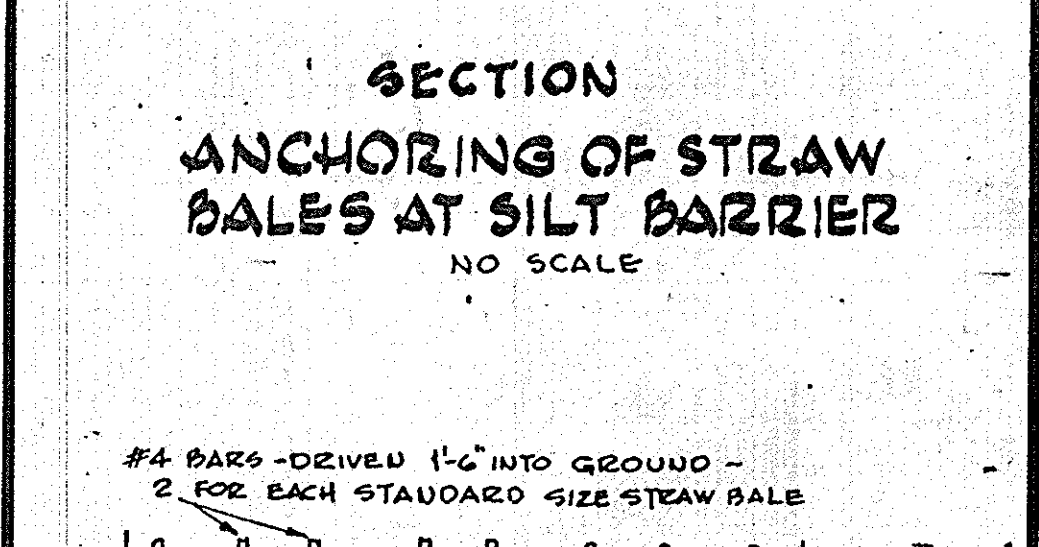
TYPICAL SIDE VIEW



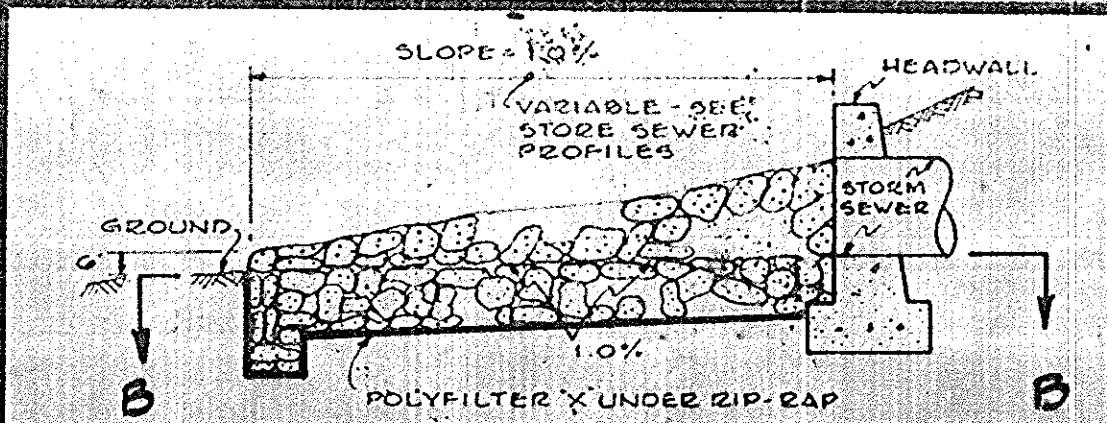
SECTION
ANCHORING OF STRAW
BALES AT SILT BARRIER
NO SCALE



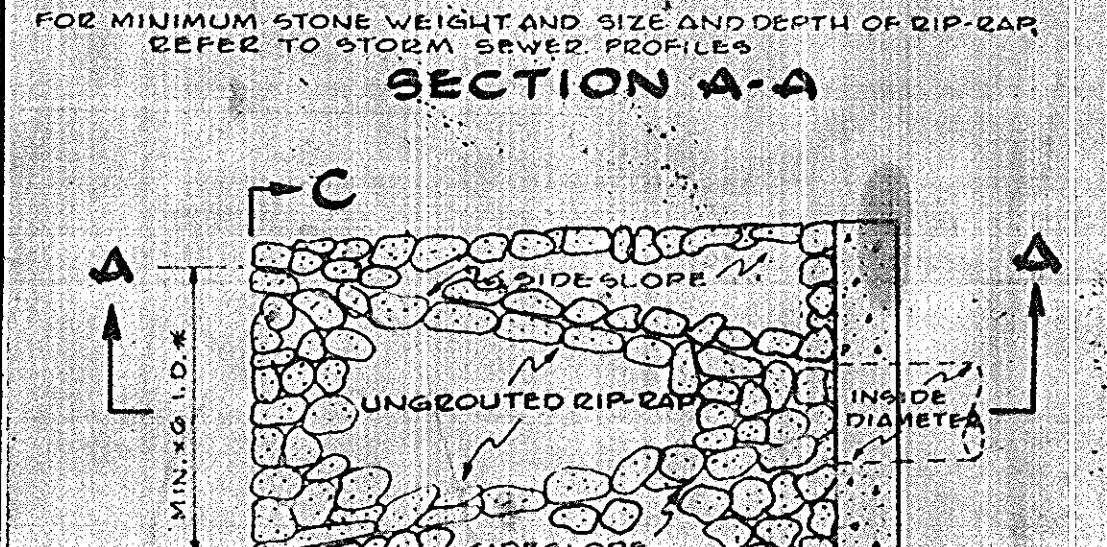
TYPICAL FRONT VIEW
SILT TRAP -
STONE OUTFALL
NOT TO SCALE



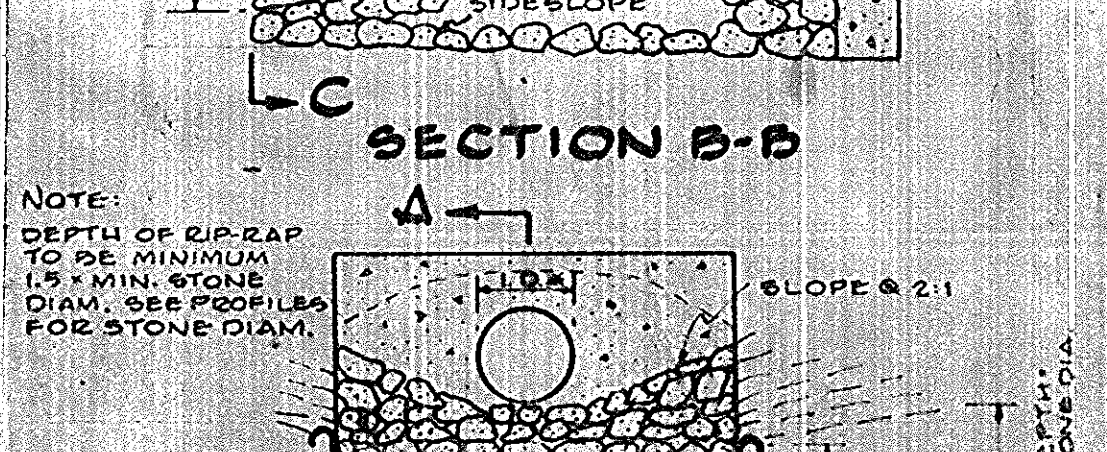
ELEVATION
ANCHORING OF STRAW
BALES AT SILT BARRIER
NOT TO SCALE



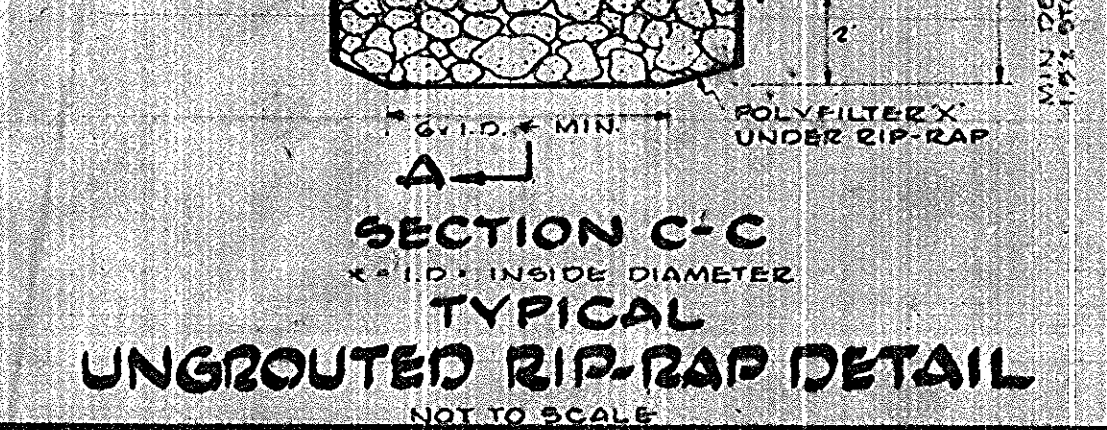
SECTION A-A



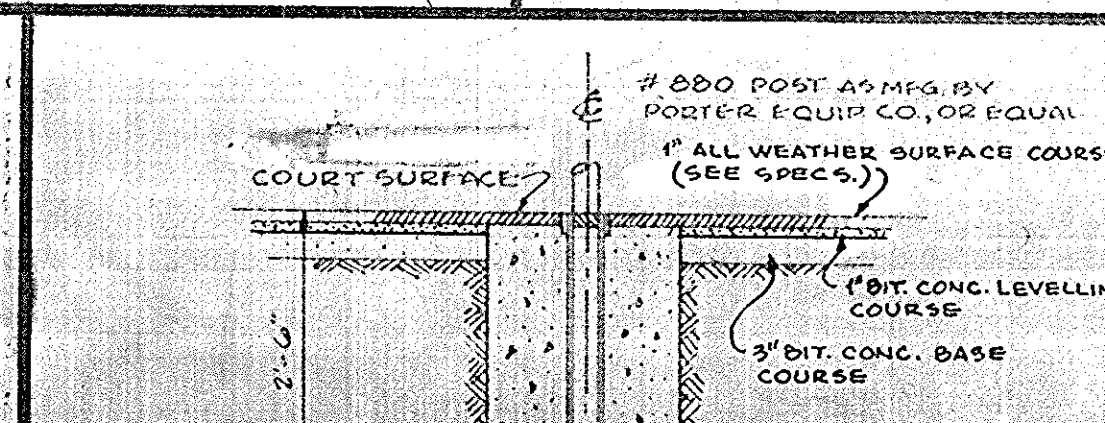
SECTION B-B



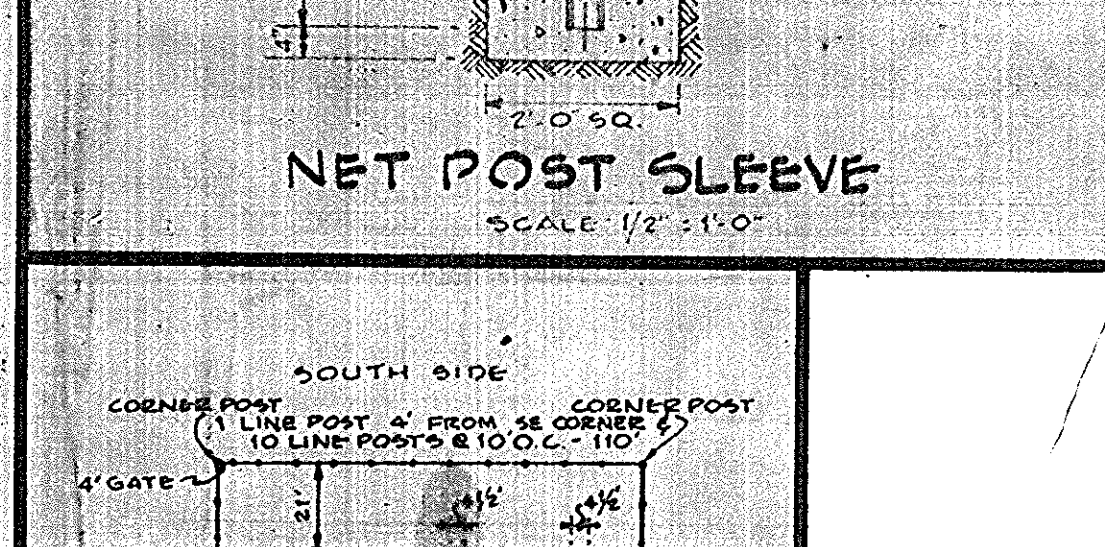
SECTION C-C



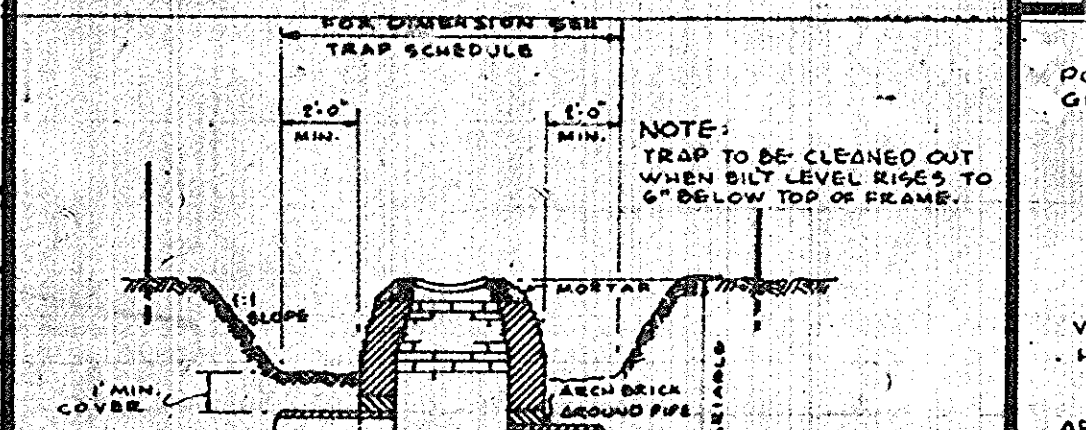
TYPICAL
UNGROUTED RIP-RAP DETAIL
NOT TO SCALE



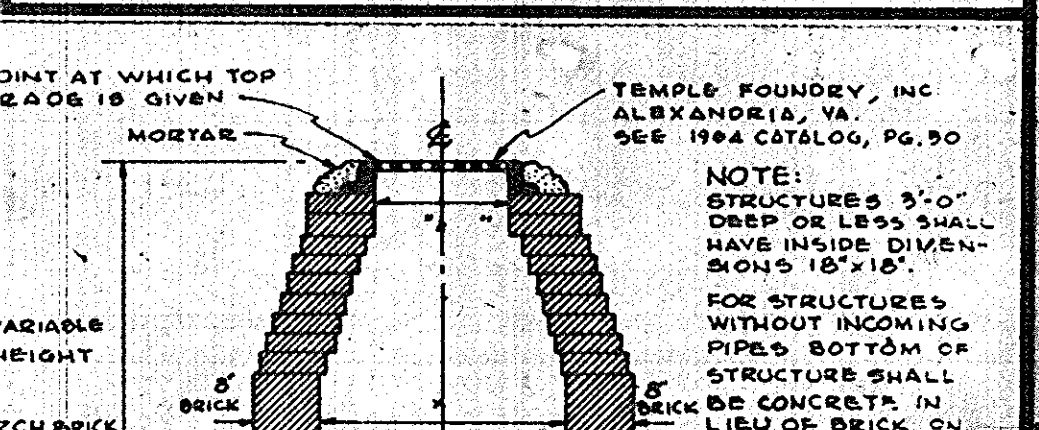
NET POST SLEEVE
SCALE: 1/2" = 1'-0"



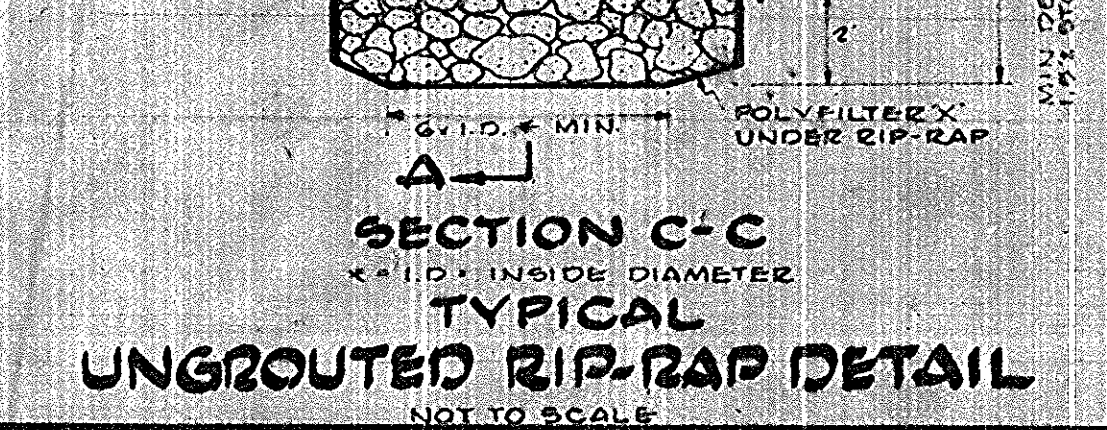
LAYOUT OF
TENNIS COURTS
NO SCALE



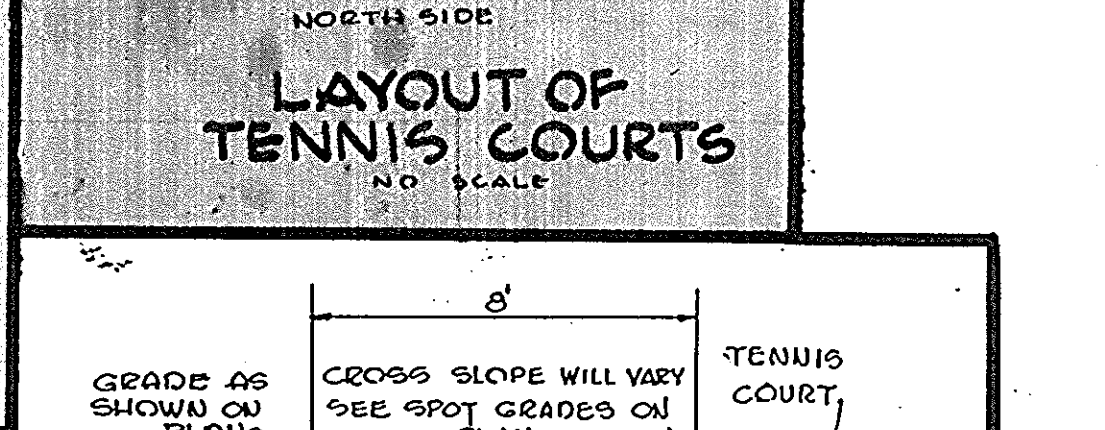
TYPICAL SECTION
YARD DRAIN
W/ SILT TRAP
NO SCALE



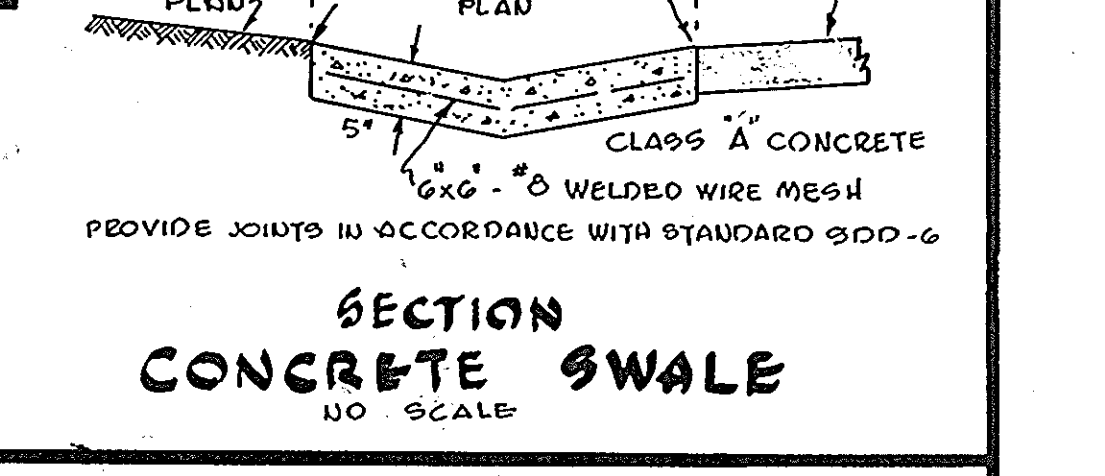
SECTION
TYPICAL YARD DRAIN
NO SCALE



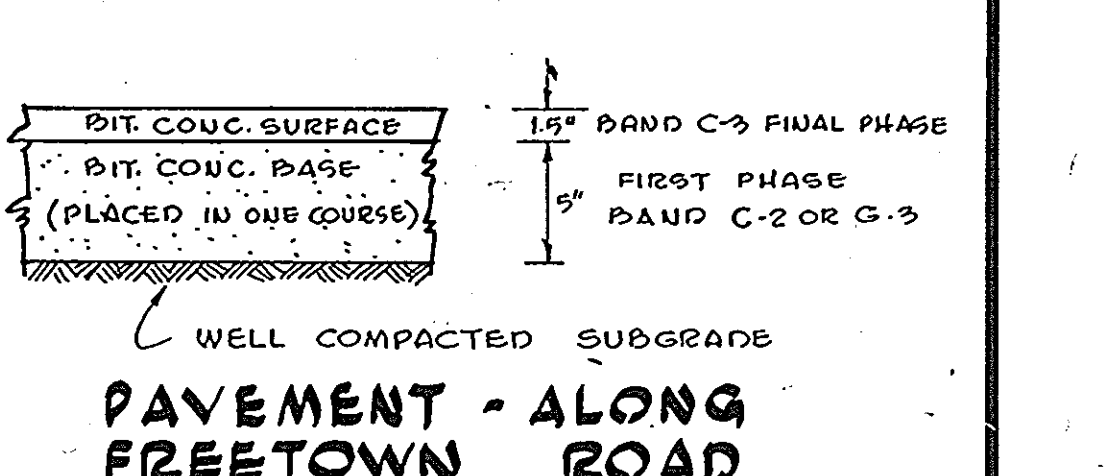
SECTION
SPECIAL INLET
SCALE: 1" = 1'-0"



SECTION
CONCRETE SWALE
NO SCALE



PAVEMENT - ALONG
FREETOWN ROAD
SCALE: 1" = 10'

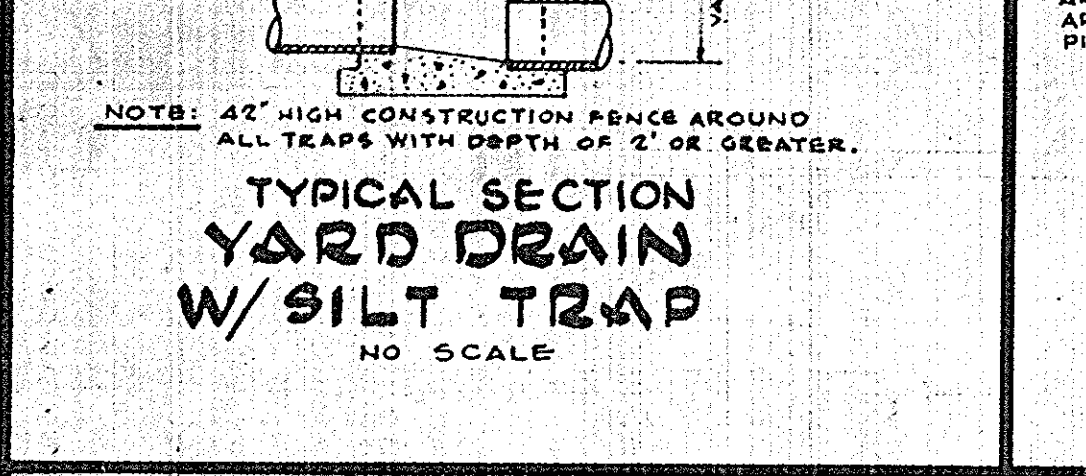


PAVING NOTES

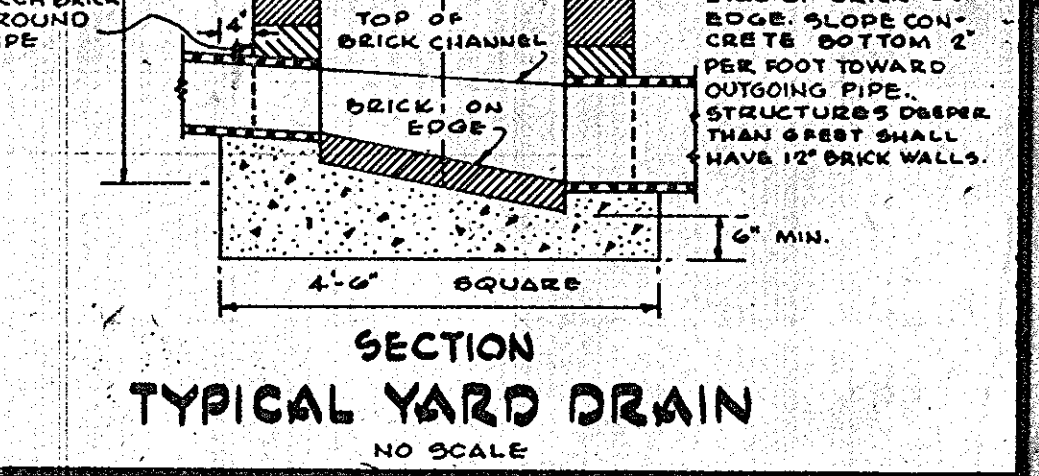
BIT. CONC. BASE COURSE SHALL BE PRIMED IN ACCORDANCE WITH SECT. C-30-3 OF THE HOWARD CO. ROAD CONSTRUCTION CODE & STD. SPECS.

A TACK COAT IS REQUIRED IN ACCORDANCE WITH SECT. C-31-4 OF AFOREMENTIONED SPECS. & STDs.

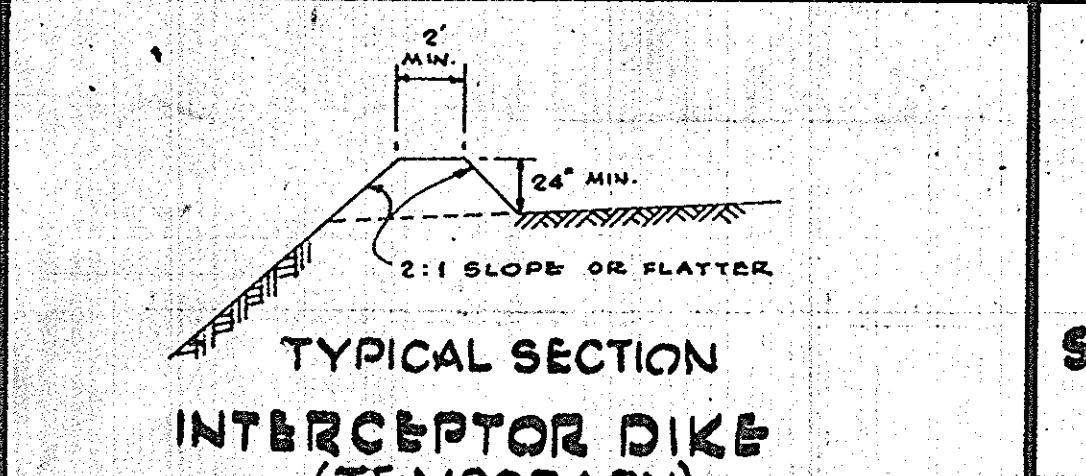
ALL MATERIAL AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH HOWARD COUNTY ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATIONS



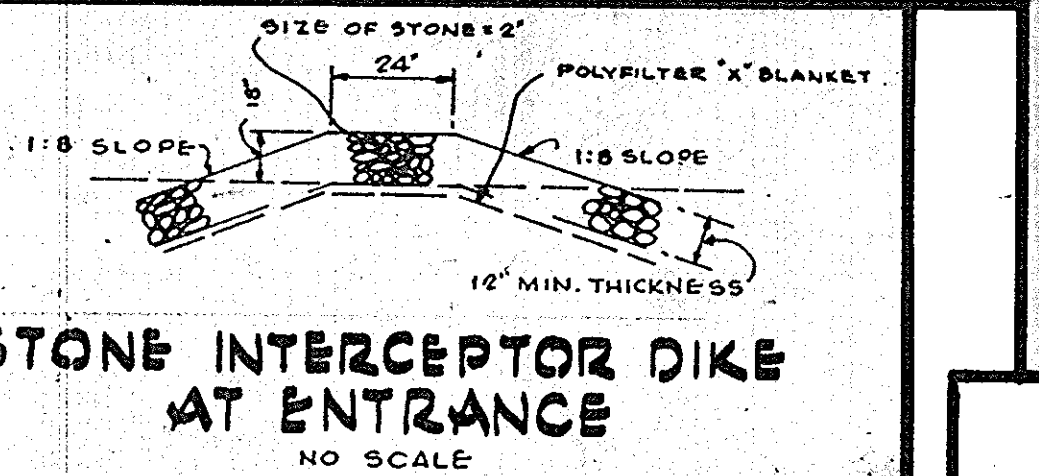
TYPICAL SECTION
INTERCEPTOR DIKE
(TEMPORARY)
NO SCALE



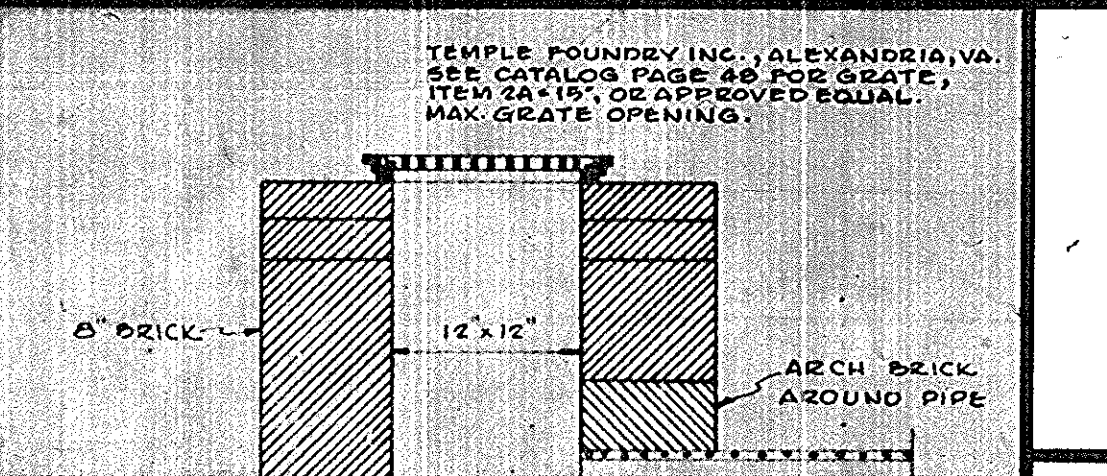
SECTION
STONE INTERCEPTOR DIKE
AT ENTRANCE
NO SCALE



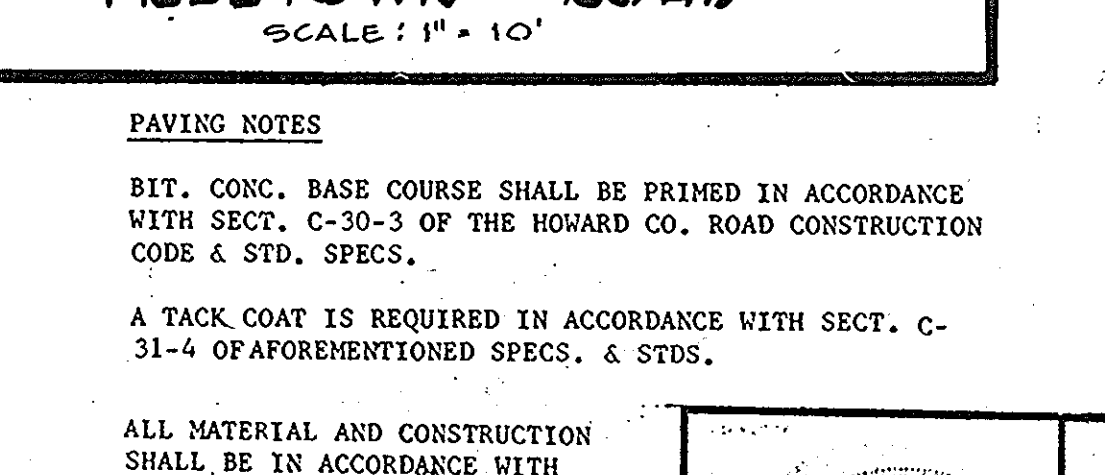
TYPICAL SECTION
CONCRETE SIDEWALK
NO SCALE



7" CONC. CURB & GUTTER
NO SCALE



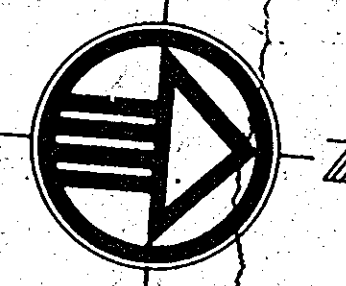
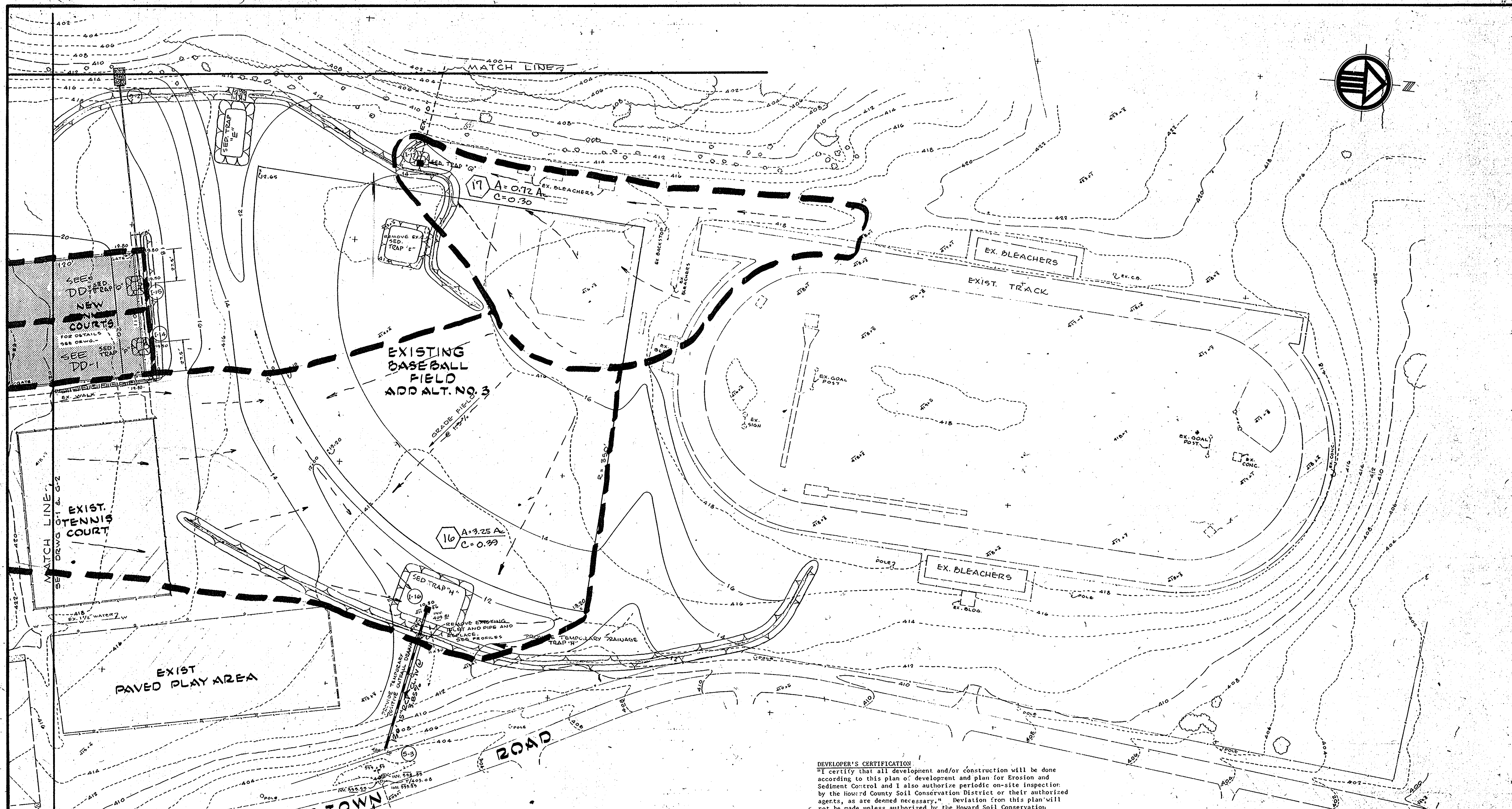
PAVEMENT - ON SITE
DRIVES & PARKING LOTS
PAVEMENT DETAIL
SCALE: 1" = 10'
FOR PRIME & TACK COAT SEE NOTES



A.E.I. JOB NO. 1581-C
PROJ. ENGR. [Signature]
DATE: 7/22/66

JOHANNES & MURRAY & ASSOCIATES
REGISTERED ARCHITECTS
555 PERSHING DRIVE SILVER SPRING, MD. 20910
JAMES B. SULLIVAN, JR. STRUCTURAL ENGINEER
R. L. LUTZ MECHANICAL ENGINEER
HARRY G. FULFORD ELECTRICAL ENGINEER
ASSOCIATED ENGINEERS INC. SITE ENGINEER
APPROVAL: [Signature]
DATE: 7/22/66

ADDITION AND ALTERATION
ATHOLTON HIGH SCHOOL
COLUMBIA MARYLAND
FOR THE BOARD OF EDUCATION HOWARD COUNTY, MD.
DR. M. THOMAS GODEKE SUPERINTENDENT OF SCHOOLS
DETAILS
Job No. 625A
Sheet 6 of 9



SCALE: 1" = 40'

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT	<i>[Signature]</i>	11/14/75	DATE
COUNTY HEALTH OFFICER			
APPROVED, HOWARD COUNTY OFFICE OF PLANNING AND ZONING	<i>[Signature]</i>	11-14-75	DATE
PLANNING DIRECTOR			
CHIEF DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING	<i>[Signature]</i>	11/14/75	DATE
APPROVED FOR PUBLIC WATER PUBLIC SEWER AND STORM DRAINAGE SYSTEMS AND ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	<i>[Signature]</i>	11-14-75	DATE
REGIONAL	<i>[Signature]</i>	11/13/75	DATE
CHIEF, BUREAU OF HIGHWAYS			

Reviewed for: *Howard*, S.C.D. Name
and meets Technical Requirements
[Signature] Date: 11-10-75
Signature
Date: 11-10-75
Date: 11-10-75
Approved *[Signature]* Date: 11-10-75
Howard S.C.D.

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.

[Signature] 8/22/75
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."

[Signature] 8-22-75
Date

APPROVED
DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
HOWARD COUNTY, MARYLAND
DATE 9-16-75
[Signature]

		JOHANNES & MURRAY & ASSOCIATES REGISTERED ARCHITECTS 885 PERSHING DRIVE SILVER SPRING, MD. 20910	ADDITION AND ALTERATION ATHOLTON HIGH SCHOOL COLUMBIA MARYLAND FOR THE BOARD OF EDUCATION - HOWARD COUNTY, MD. DR. M. THOMAS GOEDEKE SUPERINTENDENT OF SCHOOLS	Job No. 625A SHEET DD-2 2 OF 2
		JAMES B. SULLIVAN, JR. H. L. LUTE HARRY G. FILFORD ASSOCIATED ENGINEERS INC.		STRUCTURAL ENGINEER MECHANICAL ENGINEER ELECTRICAL ENGINEER SITE ENGINEER

A.E.I. JOB NO. 1381-C