

SEDIMENT CONTROL NOTES:

- CONTRACTOR SHALL NOTIFY THE HOWARD SOIL CONSERVATION DISTRICT, THE BUREAU OF INSPECTION, LICENSE AND PERMITS (PHONE: 465-3180) AND THE WATER RESOURCES ADMINISTRATION-ENFORCEMENT DIVISION (PHONE: 301-269-2265) PRIOR TO STARTING ANY WORK.
- 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 SOIL CONSERVATION DISTRICT, ARCHITECT AND WATER RESOURCES ADMINISTRATION-ENFORCEMENT DIVISION 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 PLANS FOR LIMIT OF SODDED AREAS.
- 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) AND BE PLACED TO FINISHED GRADE FOR SEEDED AREAS. PROPER ALLOWANCE IN FINISHED GRADE SHALL BE MADE FOR SODDED AREAS.
 - LIME SHALL BE SPREAD AT A RATE OF ONE (1) TONE PER ACRE.
 - FERTILIZER 10-10-10 OR EQUIVALENT SHALL BE APPLIED AT A RATE OF 1700 LBS. PER ACRE. BOTH LIME AND FERTILIZER SHALL BE UNIFORMLY APPLIED TO THE LOOSENEED SEEDBED AND 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 RYE.
 - IMMEDIATELY AFTER SEEDING THE AREA SHALL BE UNIFORMLY MULCHED AT A RATE OF 3000 LBS./ACRE, ANCHORED WITH 480 GAL./ACRE OF ASPHALT.
- 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.
- 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 SLOPES HAVING A GRADE STEEPER THAN 2:1, 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, AND ROOF DRAINS, REFER TO MECHANICAL PLANS.
- FOR ALL ELECTRICAL WORK REFER TO ELECTRICAL PLANS.
- ALL DISTURBED, UNPAVED AREAS TO BE TOPSOILED, FERTILIZED, LIMED, SEEDED AND MULCHED, UNLESS SHOWN SODDED. SLOPES 3 TO 1 AND STEEPER TO BE SODDED.
- 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 12" O.C.
- STANDARD CURB AND GUTTER FOR DRIVES AND PARKING AREA ON SITE TO BE HOWARD COUNTY STANDARD 7" COMBINATION CURB AND GUTTER.
- CONTACT "MISS UTILITY" AT LEAST 24 HOURS PRIOR TO COMMENCING EXCAVATION.
- EXISTING TOPOGRAPHY BASED ON SURVEY PERFORMED BY ASSOCIATED ENGINEERS, INC., SILVER SPRING, MARYLAND. BENCHMARK USED IS SHOWN ON PLAN. BOUNDARY IS BASED ON DEED INFORMATION FURNISHED.
- PITCH GUTTER OF CURBS TO CONFORM TO ADJACENT DRAINAGE PATTERN.
- THICKNESS OF TOPSOIL SHALL BE 4 INCHES (COMPACTED).
- WHERE STORM SEWER PIPES ARE PLACED IN FILL AREAS, THE FILL SHALL BE COMPACTED TO 95% ITS MAXIMUM DENSITY.
- ALL UNSUITABLE MATERIAL ENCOUNTERED AT PIPE TRENCH EXCAVATION FOR UTILITIES SHALL BE REMOVED AND TRENCH BACKFILLED AND COMPACTED WITH SUITABLE FILL MATERIAL. COMPACTION OF FILL SHALL BE 95% DENSITY AT OPTIMUM MOISTURE CONTENT.
- ALL UNSUITABLE MATERIAL AND EXCESS MATERIAL FROM CUT AND FILL OPERATIONS SHALL BE DISPOSED OF OFF SITE BY THE CONTRACTOR AT NO EXTRA COST. EXCESS TOPSOIL SHALL NOT BE REMOVED FROM SITE. DISPOSAL SITE OF EXCESS FILL AND UNSUITABLE MATERIAL SHALL BE CONTRACTOR'S RESPONSIBILITY.

Reviewed for Howard S.C.D.
Name

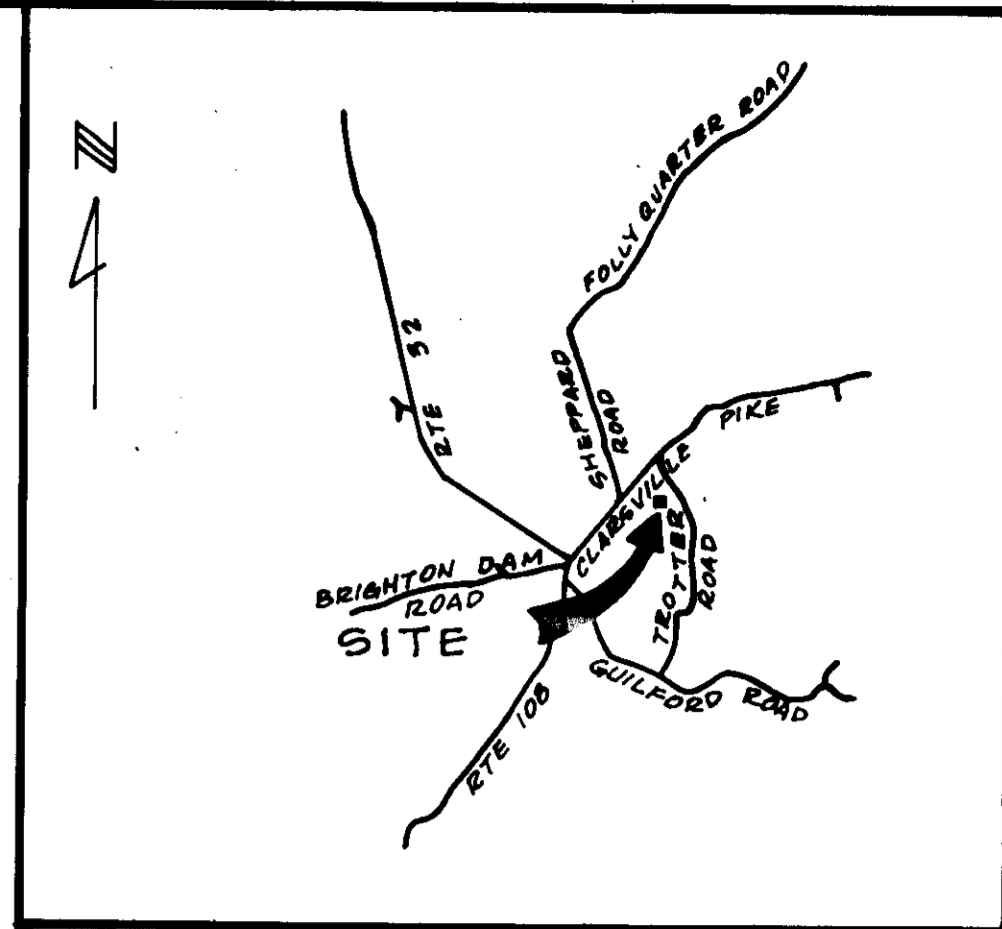
and meets Technical Requirements

John M. Noh Date 11-7-79
Signature

U.S. Soil Conservation Service

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

Approved *Wm. J. Rose* Date 11-7-79
Howard S.C.D.



VICINITY MAP
NOT TO SCALE

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

Joseph W. Byler 11-14-79
COUNTY HEALTH OFFICER DATE

APPROVED, HOWARD COUNTY OFFICE OF PLANNING AND ZONING

John A. Smith 11-28-79
PLANNING DIRECTOR DATE

John W. Adams 11-26-79
CHIEF DIVISION OF LAND DEVELOPMENT DATE

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

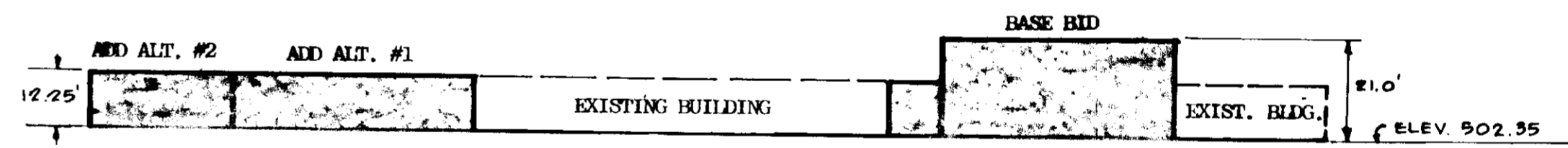
William W. Prosser 11/23/79
DIRECTOR (acting) DATE

Alan S. Brown 11/21/79
CHIEF BUREAU OF ENGINEERING DATE

CONSTRUCTION SEQUENCE:

- INSTALL TWO (2) STABILIZED CONSTRUCTION ENTRANCES TO SITE.
- INSTALL SILT FENCES AND STRAW OR HAY BALE DIKES.
- START DEMOLITION, STRIPPING OF TOPSOIL AND ACCOMPLISH ROUGH GRADING.
- COMMENCE BUILDING CONSTRUCTION.
- CONSTRUCT ALL STORM SEWER PIPE AND STRUCTURES AND CAP OR TRAP INLETS AS SHOWN ON SCHEDULE.
- INSTALL TWO (2) STORMWATER MANAGEMENT TRANCHES, NORTH AND SOUTH WHERE SHOWN ON PLAN. TAKE PRECAUTIONS THAT NO SEDIMENT AND DEBRIS ENTER TRENCHES.
- INSTALL OTHER UTILITIES.
- CONSTRUCT CONCRETE CURB AND GUTTER WALKS AND BITUMINOUS CONCRETE BASE COURSE.
- FINE GRADE DISTURBED UNPAVED AREAS AND STABILIZE.
- AT COMPLETION OF ABOVE STEPS, REMOVE ALL SEDIMENT CONTROL DEVICES AND STABILIZE ALL REMAINING DISTURBED UNPAVED AREAS.
- CONSTRUCT BITUMINOUS CONCRETE SURFACE COURSE.
- CLEAN UP SITE AND START REQUIRED MAINTENANCE.

REVIEWED BY: *Bob Moore*
STORM WATER MANAGEMENT
CLARKSVILLE ELEMENTARY SCHOOL
4/9/79



SOUTH ELEVATION
BUILDING PROFILE
SCALE: 1" = 30'

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 Howard County Soil Conservation District.

Edw. P. ...
Signature



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.

Wm. J. Rose Date Nov 2, 1979
Signature

SITE INFORMATION

OWNER: BOARD OF EDUCATION
HOWARD COUNTY, MARYLAND
8045 Route 32, COLUMBIA, MD.

LOCATION: 12041 Route 108
CLARKSVILLE, MD.

PROPERTY RECORDED: in Liber 398, at Folio 286

PROPERTY AREA: 10.693 Acres
ZONING: RURAL TAX PARCEL: P 124; TAX MAP: 27

SITE ANALYSIS

TOTAL AREA OF PROPERTY:	10.693 Ac.
Existing Building	1.24 Ac.
Existing Paving	1.27 Ac.
Existing Paving to be Removed	0.45 Ac.
Paving Addition	0.73 Ac.
Building Addition	0.23 Ac.
Disturbed Area of Property	2.61 Ac.
Undisturbed Area of Property	8.0 ±

COMPLETE SET OF SITE DEVELOPMENT DRAWINGS CONSIST OF THE FOLLOWING:

- G-0 COVER SHEET - VICINITY MAP AND NOTES
- G-1 SITE PLAN - NORTH
- G-2 SITE PLAN - SOUTH
- G-3 STORM DRAIN PROFILES
- G-4 DETAILS
- G-5 SEDIMENT CONTROL PLAN - NORTH
- G-6 SEDIMENT CONTROL PLAN - SOUTH
- DD-1 DRAINAGE DIVIDES - NORTH
- DD-2 DRAINAGE DIVIDES - SOUTH
- 6 OF 6 STORM DRAINAGE AND STORMWATER MANAGEMENT COMPUTATION
- AND
- 7 OF 7

APPROVED
DIVISION OF LAND DEVELOPMENT
DATE 8-31-79
ALUM

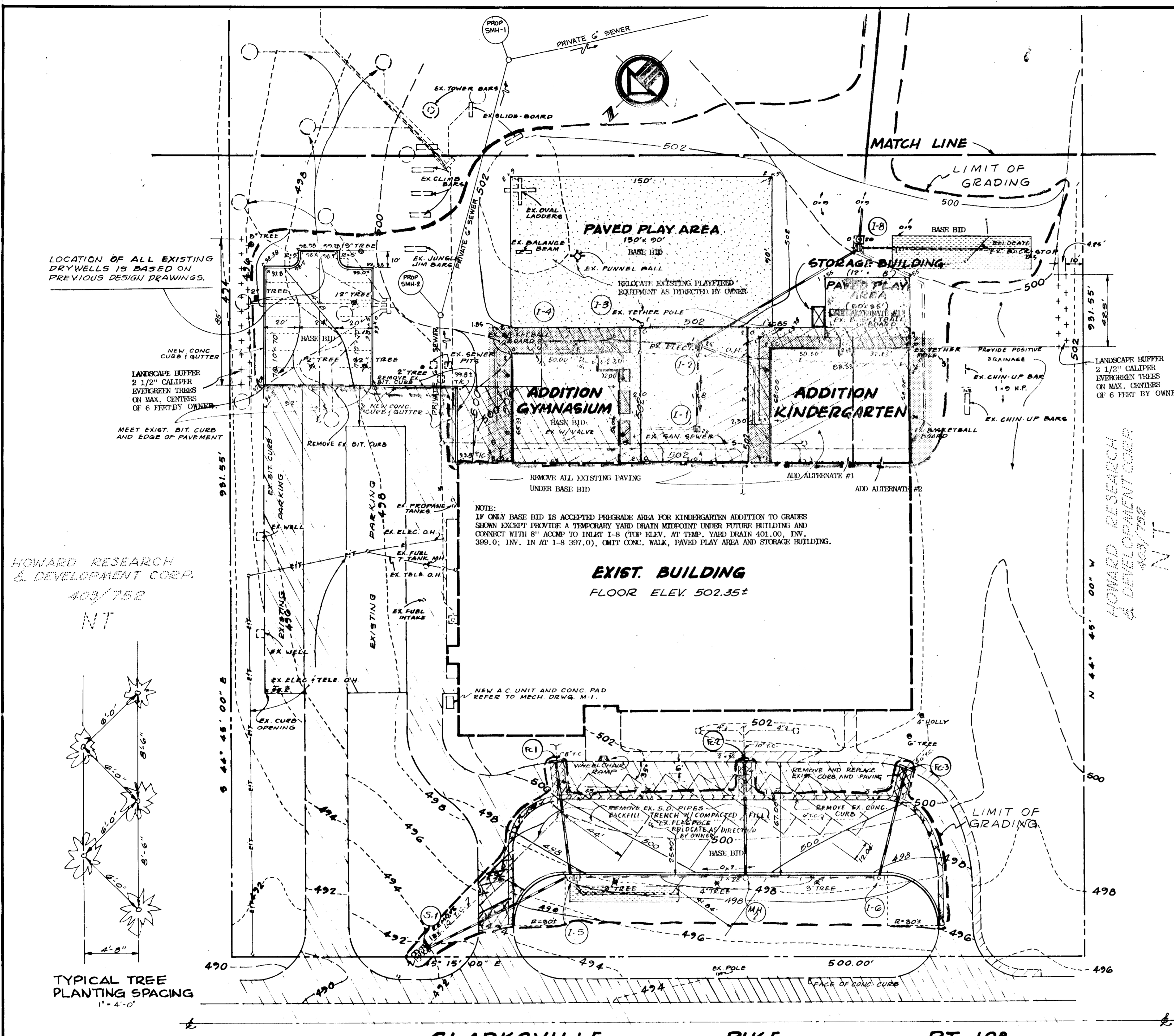
- LEGEND**
- EXISTING SPOT GRADE
 - EXISTING CONTOURS
 - DESIGN CONTOURS
 - DESIGN SPOT GRADES
 - NEW STORM DRAIN PIPE AND STRUCTURE
 - EXISTING STORM DRAIN
 - EXISTING SANITARY SEWER
 - EXISTING PAVING TO REMAIN
 - NEW BITUMINOUS CONCRETE PAVING (HEAVY DUTY)
 - NEW CONCRETE WALK OR SLAB
 - NEW BITUMINOUS CONCRETE PAVING (LIGHT DUTY)
 - NEW STORM WATER STORAGE TRENCH
 - S
 - PAINTED PARKING BAYS
 - EXISTING PAVING TO BE REMOVED
 - NEW ROOF DRAINS (REFER TO MECH. DRWG.)
 - LIMIT OF GRADING
 - PERFORATED ASPHALT COATED CORRUGATED METAL PIPE

ASSOCIATED ENGINEERS, INC.
SILVER SPRING, MARYLAND 20910
TEL. 301-584-7872

JOHANNES & MURRAY & ASSOCIATES
REGISTERED ARCHITECTS
SILVER SPRING, MARYLAND
885 PERSHING DRIVE, J.U. 5-3792

ALTERATIONS & ADDITIONS
CLARKSVILLE ELEMENTARY SCHOOL
BOARD OF EDUCATION HOWARD COUNTY, MARYLAND
DR. M. THOMAS GORDON Supt. of Schools

JOB NO. 494B
SHEET NO. 1 OF 3



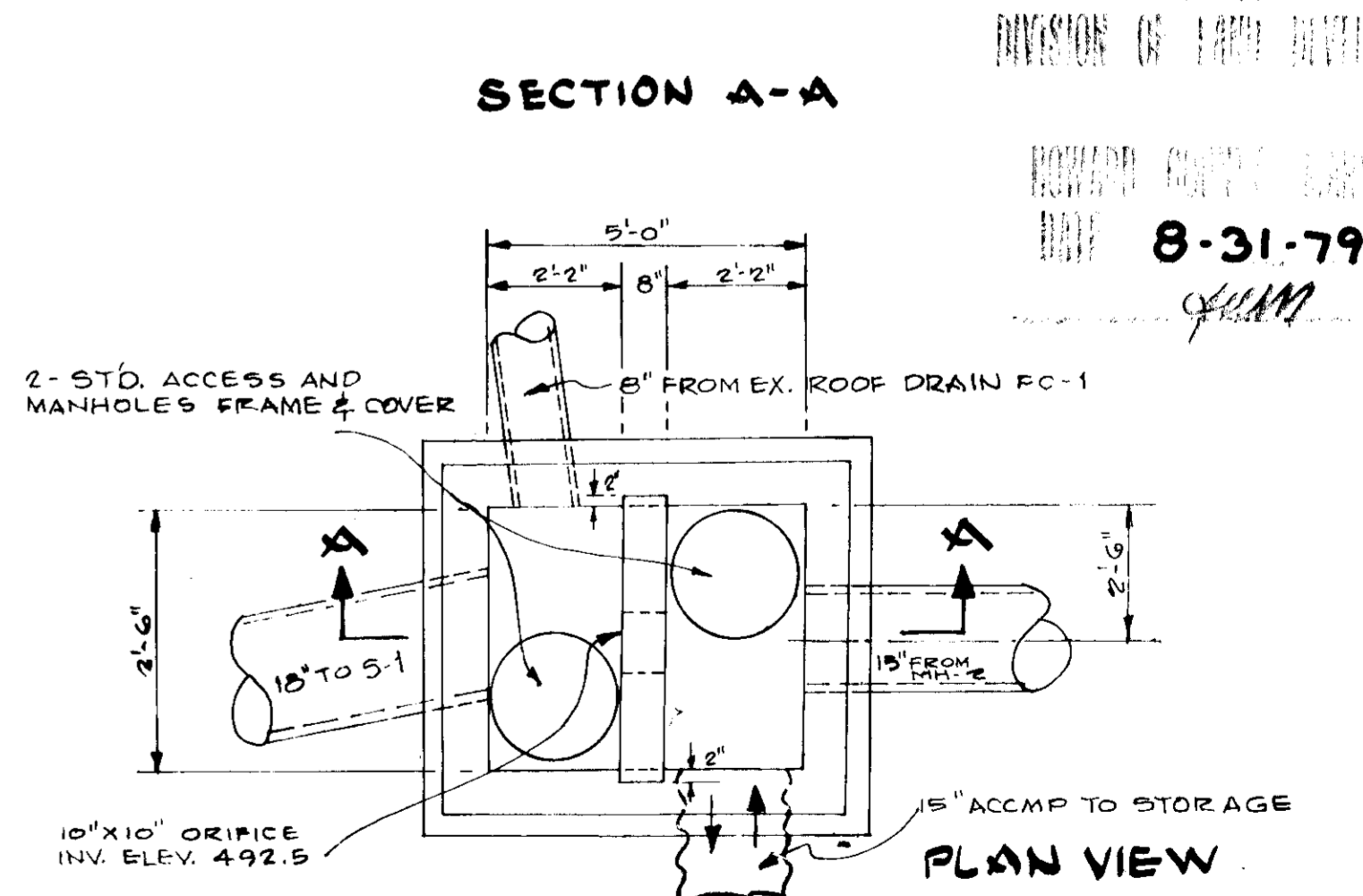
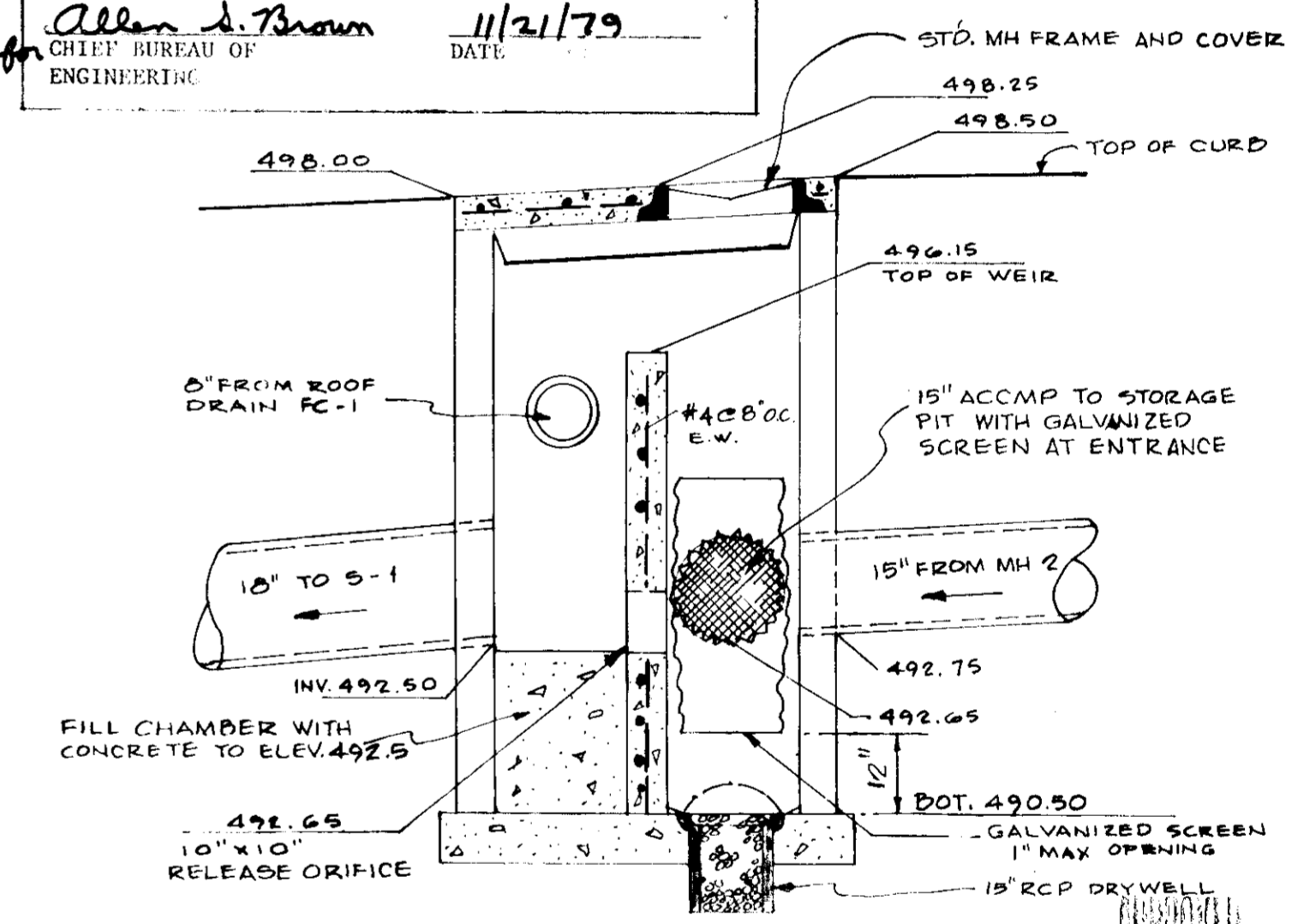
Reviewed for HOWARD S.C.D.
Name
and meets Technical Requirements
James M. Noh Date 11-7-79
Signature
U.S. Soil Conservation Service
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
Approved Wm. V. Rouse Date 11-7-79
Howard S.C.D.

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 Howard County Soil Conservation District.
Er. Perceval Oct 28, 1979
Signature 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 County Soil Conservation District.
Paul M. Murray 11/26/79
Signature Date

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
John W. Byrnes 11-14-79
COUNTY HEALTH OFFICER DATE
APPROVED, HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Paul M. Murray 11-26-79
PLANNING DIRECTOR DATE
CHIEF DIVISION OF LAND DEVELOPMENT & TRANSPORTATION PLANNING
APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE AND STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Rowell H. McCreary 11/23/79
DIRECTOR (acting) DATE
Allen S. Brown 11/21/79
CHIEF BUREAU OF ENGINEERING DATE

STORM WATER MANAGEMENT CLASSIC ELEMENTARY SCHOOL
7/1/79
Paul M. Murray
CHIEF DIVISION OF LAND DEVELOPMENT & TRANSPORTATION PLANNING



NOT TO SCALE
MODIFY HOWARD COUNTY CLASS "A" INLET. OMIT GUTTER AND THROAT SECTION. ADD REINFORCED CONCRETE WEIR KEYED INTO SIDEWALLS.

LOCATION OF ALL EXISTING DRYWELLS IS BASED ON PREVIOUS DESIGN DRAWINGS.

LANDSCAPE BUFFER 2 1/2" CALIBER EVERGREEN TREES ON MAX. CENTERS OF 6 FEET BY OWNER.
MEET EXIST. BIT CURB AND EDGE OF PAVEMENT

HOWARD RESEARCH & DEVELOPMENT CORP.
403/752
NT

TYPICAL TREE PLANTING SPACING
1" = 4'-0"

- ADD ALTERNATE #1-KINDERGARTEN MODULE AND
- BIT.-CONC. PAVED PLAY AREA INCLUDING STORAGE BUILDING
 - CONC. WALK TO PAVED PLAY AREA AND CONC. SLAB AT EAST EXIT
 - ROOF DRAIN PIPES CONNECTED TO I-2
- ADD ALTERNATE #2- CLASSROOM MODULE AND
- ROOF DRAIN PIPES CONNECTED TO I-8

OWNER: BOARD OF EDUCATION HOWARD COUNTY MARYLAND 8045 ROUTE 32, COLUMBIA, MD.

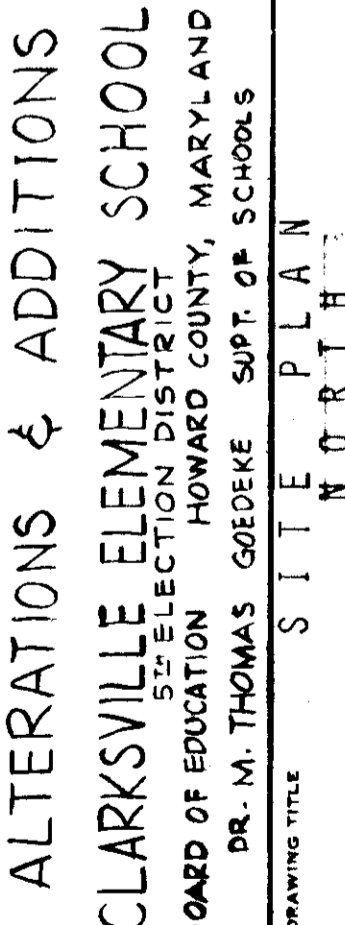
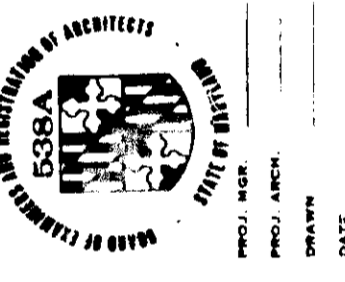
JOHANNES & MURRAY & ASSOCIATES
REGISTERED ARCHITECTS
SILVER SPRING, MARYLAND
885 PERSHING DRIVE, J.U. 5-3792

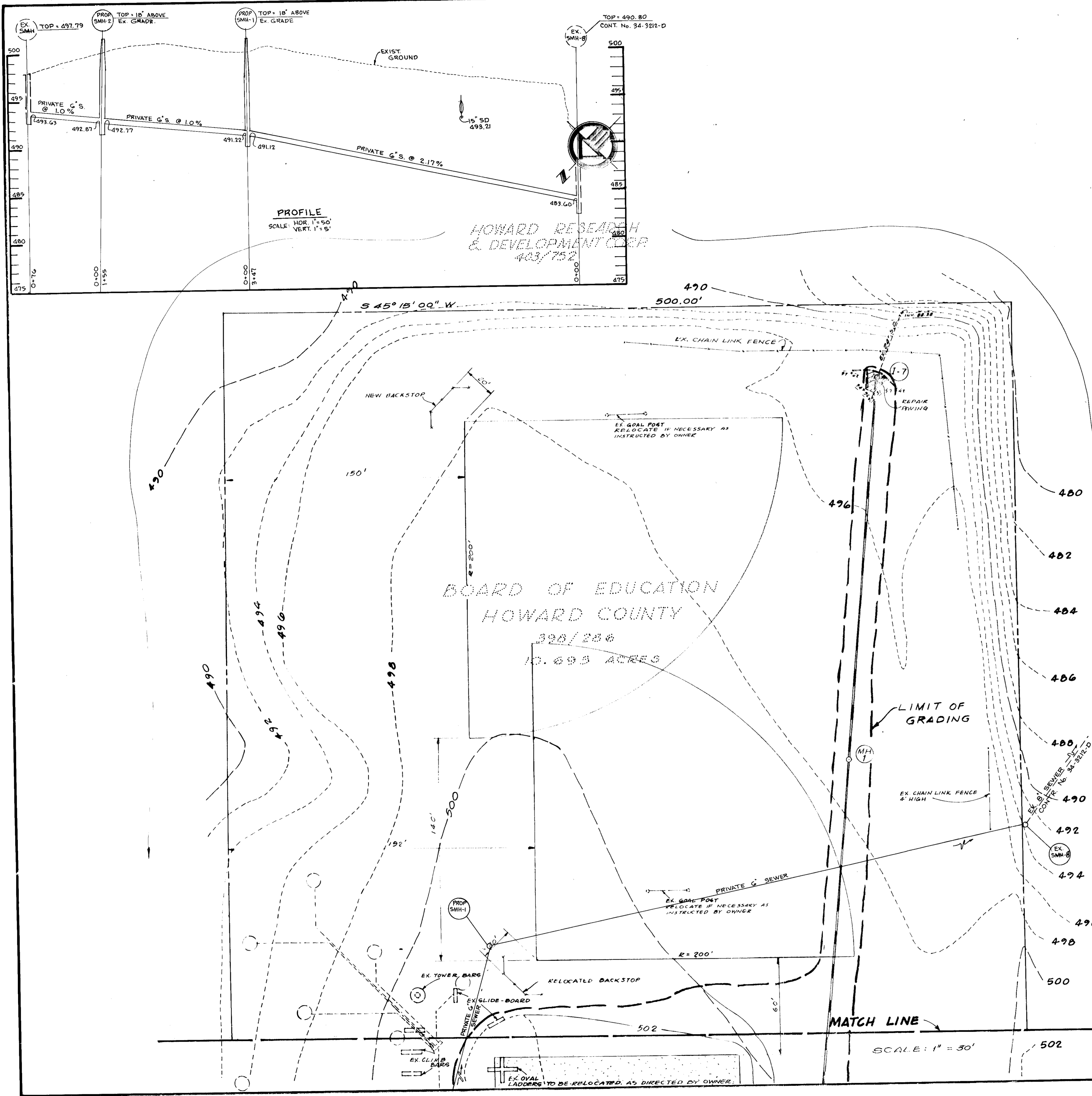
ALTERATIONS & ADDITIONS
CLARKSVILLE ELEMENTARY SCHOOL
51-ELECTION DISTRICT
BOARD OF EDUCATION HOWARD COUNTY, MARYLAND
DR. M. THOMAS GOEKE S.U.P.T. OF SCHOOLS

JOB NO. 494B
SHEET NO.

G-1
2 of 2

ASSOCIATED ENGINEERS, INC.
8835 SIXTEEN M STREET
SILVER SPRING, MARYLAND
TEL. 201-586-5711



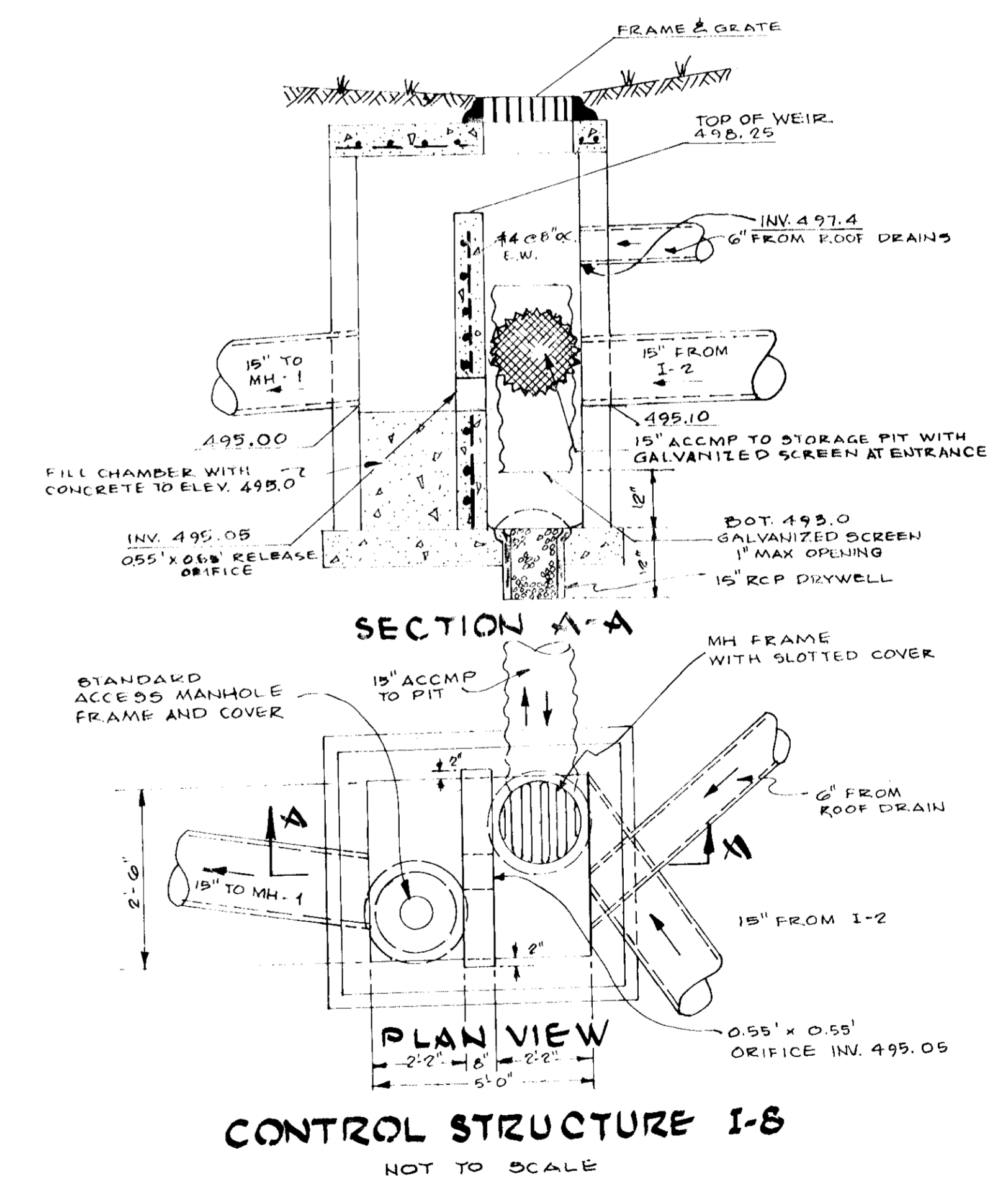


Reviewed for Howard S.C.D.
Name
and meets Technical Requirements
Signature John M. DeLo Date 11-7-79
U.S. Soil Conservation Service
THIS DEVELOPMENT PLAN IS APPROVED
FOR SOIL EROSION AND SEDIMENT
CONTROL BY THE HOWARD SOIL
CONSERVATION DISTRICT.
Approved John T. Rowe Date 11-7-79
Howard S.C.D.

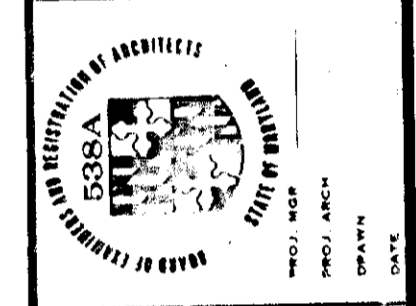
DESIGN CERTIFICATION
I certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the Howard County Soil Conservation District.
Signature Al Peresha Date 01 29 1979
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.
Signature _____ Date _____

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
Signature Joseph J. ... Date 11-14-79
COUNTY HEALTH OFFICER
APPROVED, HOWARD COUNTY OFFICE OF PLANNING AND ZONING
PLANNING DIRECTOR _____ DATE _____
CHIEF DIVISION OF LAND DEVELOPMENT TRANSFORMATION PLANNING _____ DATE _____
APPROVED FOR PRIVATE WATER AND PRIVATE SEWER AND STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Signature Dr. ... Date 11/21/79
DIRECTOR (acting) CHIEF BUREAU OF ENGINEERING

OWNER: BOARD OF EDUCATION CLARKSVILLE, MARYLAND 8045 ROUTE 32, COLUMBIA, MD.
ASSOCIATED ENGINEERS, INC.
8885 SIXTEENTH STREET
SILVER SPRING, MARYLAND 20910
TEL. 301-586-7311
APPROVED
DATE 8-31-79



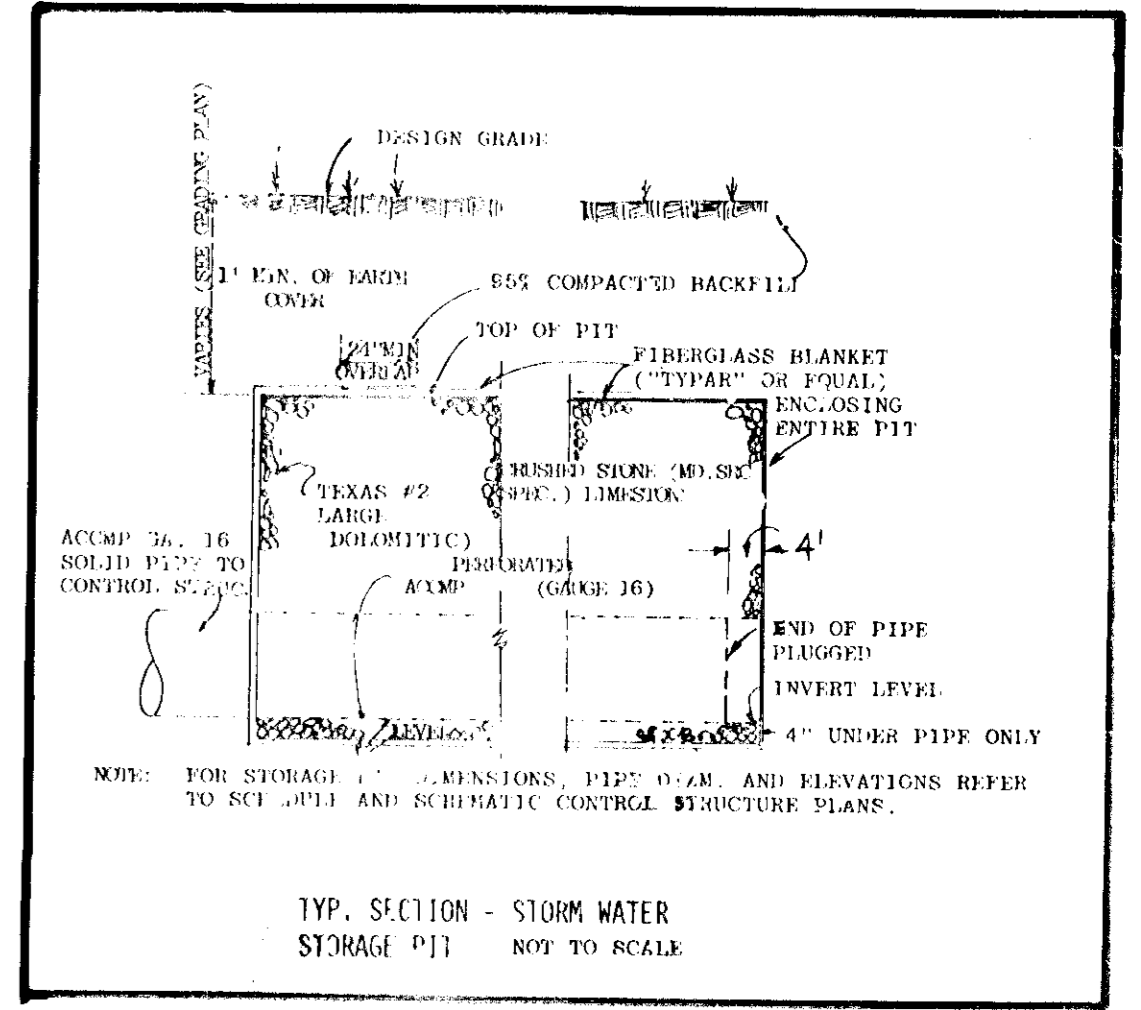
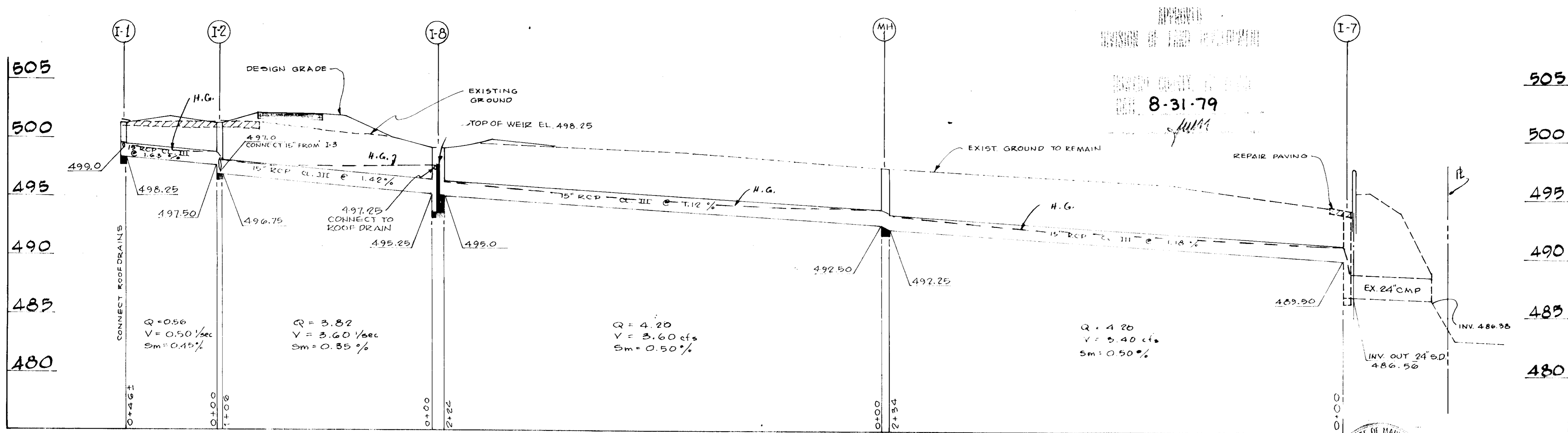
CONTROL STRUCTURE I-8
NOT TO SCALE
MODIFY HOWARD COUNTY CLASS "A" INLET. OMIT GUTTER AND THROAT SECTION. ADD REINFORCED CONCRETE WEIR KEYED INTO SIDEWALLS.



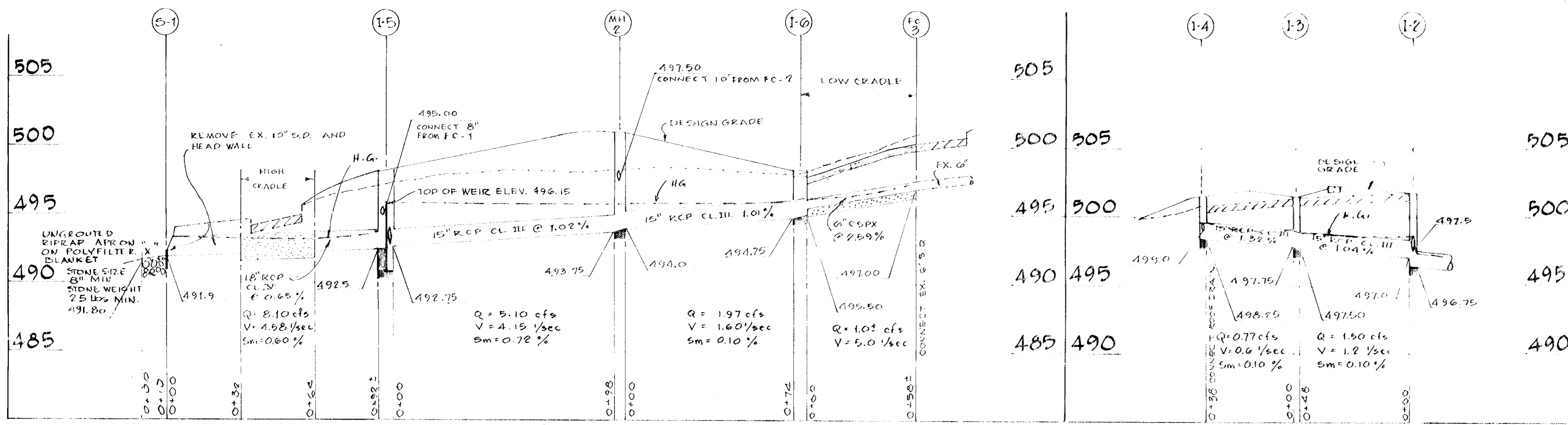
JOHANNES & MURRAY & ASSOCIATES
REGISTERED ARCHITECTS
8521 GERRING DRIVE, SUITE 300
JUM
SDP-80-15

ALTERATIONS & ADDITIONS
CLARKSVILLE ELEMENTARY SCHOOL
BY ELECTION DISTRICT
BOARD OF EDUCATION HOWARD COUNTY, MARYLAND
DR. M. THOMAS GOEBRE Supt. of Schools
DRAWING TITLE: SITE PLAN
G-2

JOB No 49413
SHEET No



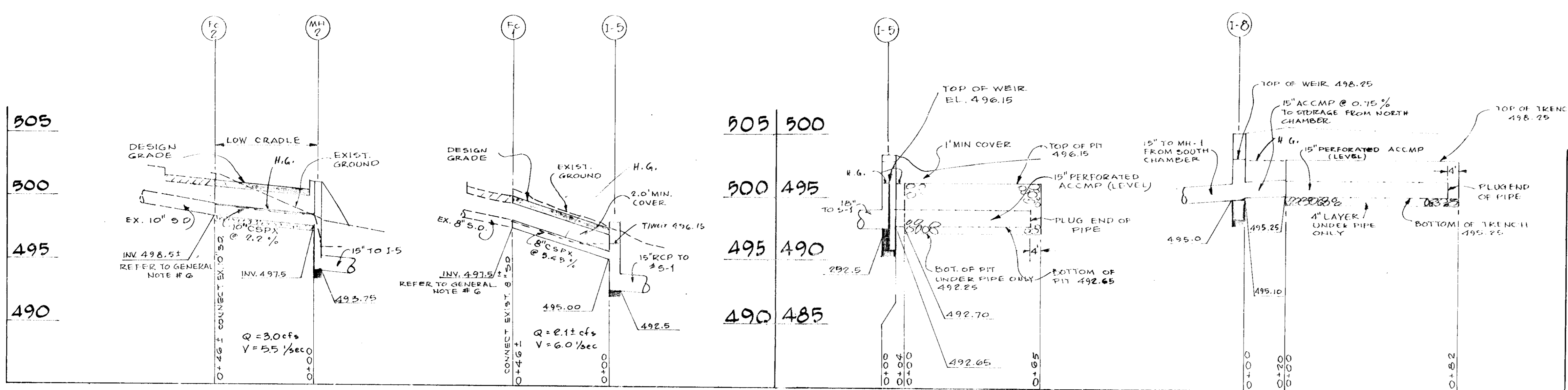
NOTE: ALL STORM DRAIN PIPES AND STRUCTURES ARE PART OF BASE BID. HOWEVER, IF BASE BID IS ACCEPTED PROVIDE AN ADDITIONAL TEMPORARY YARD DRAIN UNDER FUTURE KINDERGARTEN ADDITION @ INV. ELEVATION 401.00 AND CONNECT WITH 8" CSPX TO I-8. INVERT OUT AT TEMPORARY YARD DRAIN 380.00. INVERT IN AT I-8 397.00. (60" - 8" (SS) @ 2.22%)



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

STRUCTURE TABLE

NO.	TYPE	TOP ELEVATION	REMARKS
1-1	YARD DRAIN	401.23	AS DETAILED
1-2	YARD DRAIN	401.25	AS DETAILED
1-3	YARD DRAIN	401.50	AS DETAILED
1-4	YARD DRAIN	401.50	AS DETAILED
1-5	A-INLET - CONTROL STRUCTURE	498.10	AS DETAILED, MOD. DETAIL DRWG. 64-A
1-6	A-5 INLET	498.70	HOWARD COUNTY STANDARD ROAD AND STREET DETAIL, DRWG. 64-A
1-7	EXISTING INLET		CONNECT NEW PIPE, REPAIR STRUCTURE AS NECESSARY
1-8	A-INLET - CONTROL STRUCTURE	500.20	AS DETAILED, MOD. DETAIL DRWG. 64-A
1-9	MANHOLE	497.50	HOWARD COUNTY STANDARD ROAD AND STREET DETAIL, DRWG. D-303
1-10	MANHOLE	501.00	HOWARD COUNTY STANDARD ROAD AND STREET DETAIL, DRWG. D-303
1-11	END SUPPORT WALL (DEAR. 18")		HOWARD COUNTY STANDARD ROAD AND STREET DETAIL, DRWG. D-66



STORMWATER STORAGE TRENCH PROFILES
NORTH SIDE SOUTH SIDE
SCALE: HORIZ. 1" = 30'; VERT. 1" = 5'

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

[Signature] 11-14-79
DATE

APPROVED, HOWARD COUNTY OFFICE OF PLANNING AND ZONING

PLANNING DIRECTOR _____ DATE _____

CHIEF DIVISION OF LAND DEVELOPMENT ADMINISTRATION

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

[Signature] 11/21/79
DATE

CHIEF BUREAU OF ENGINEERING

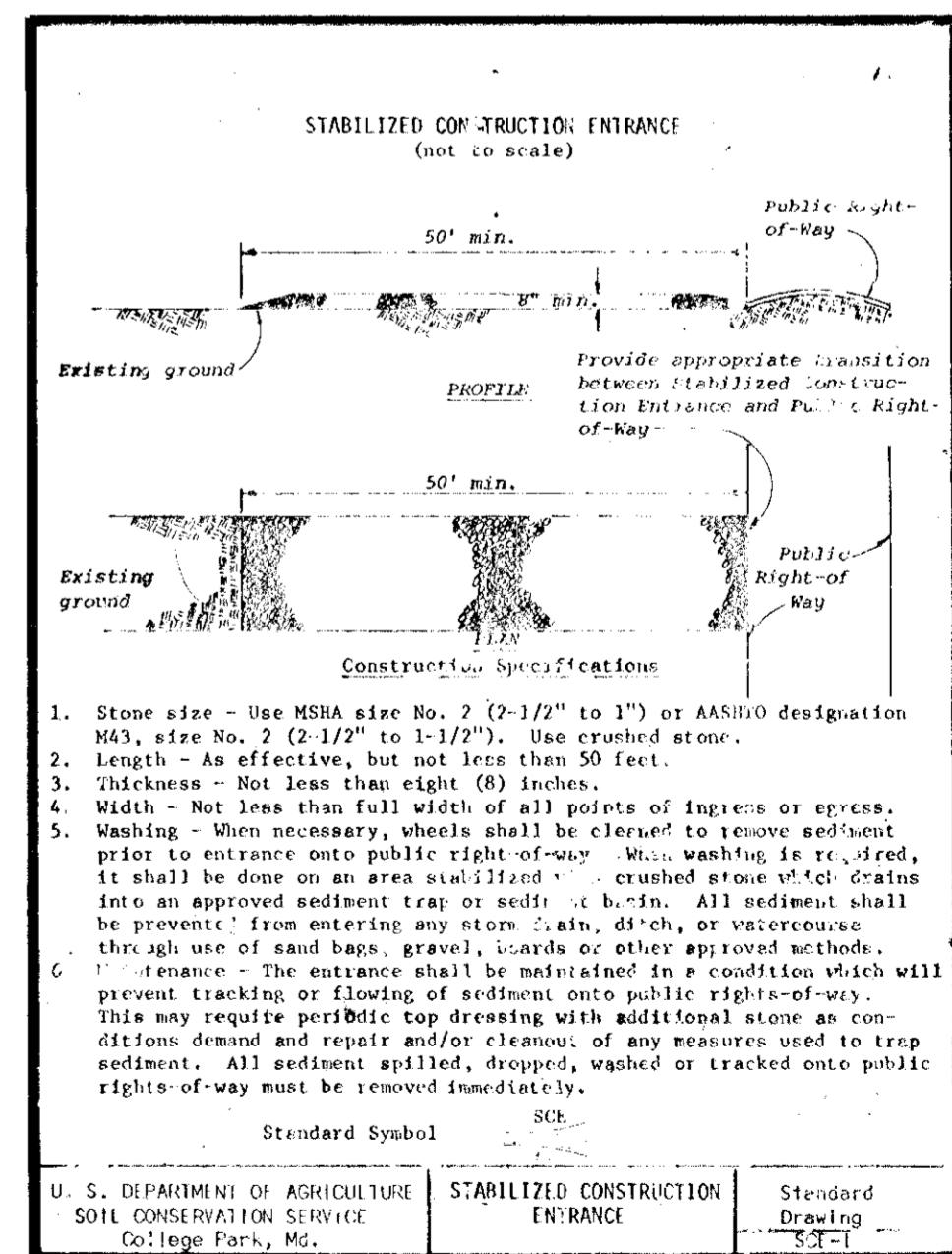
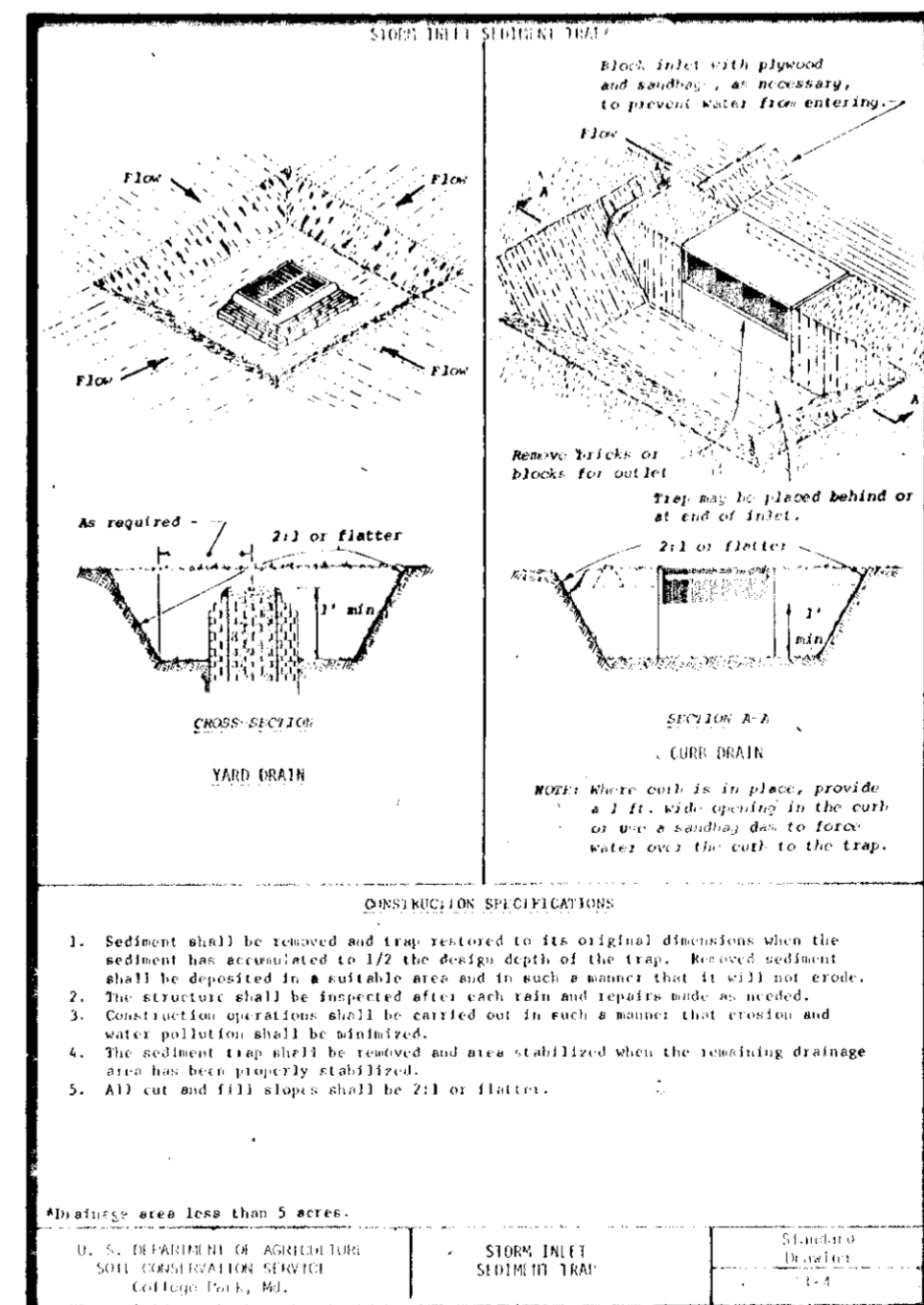
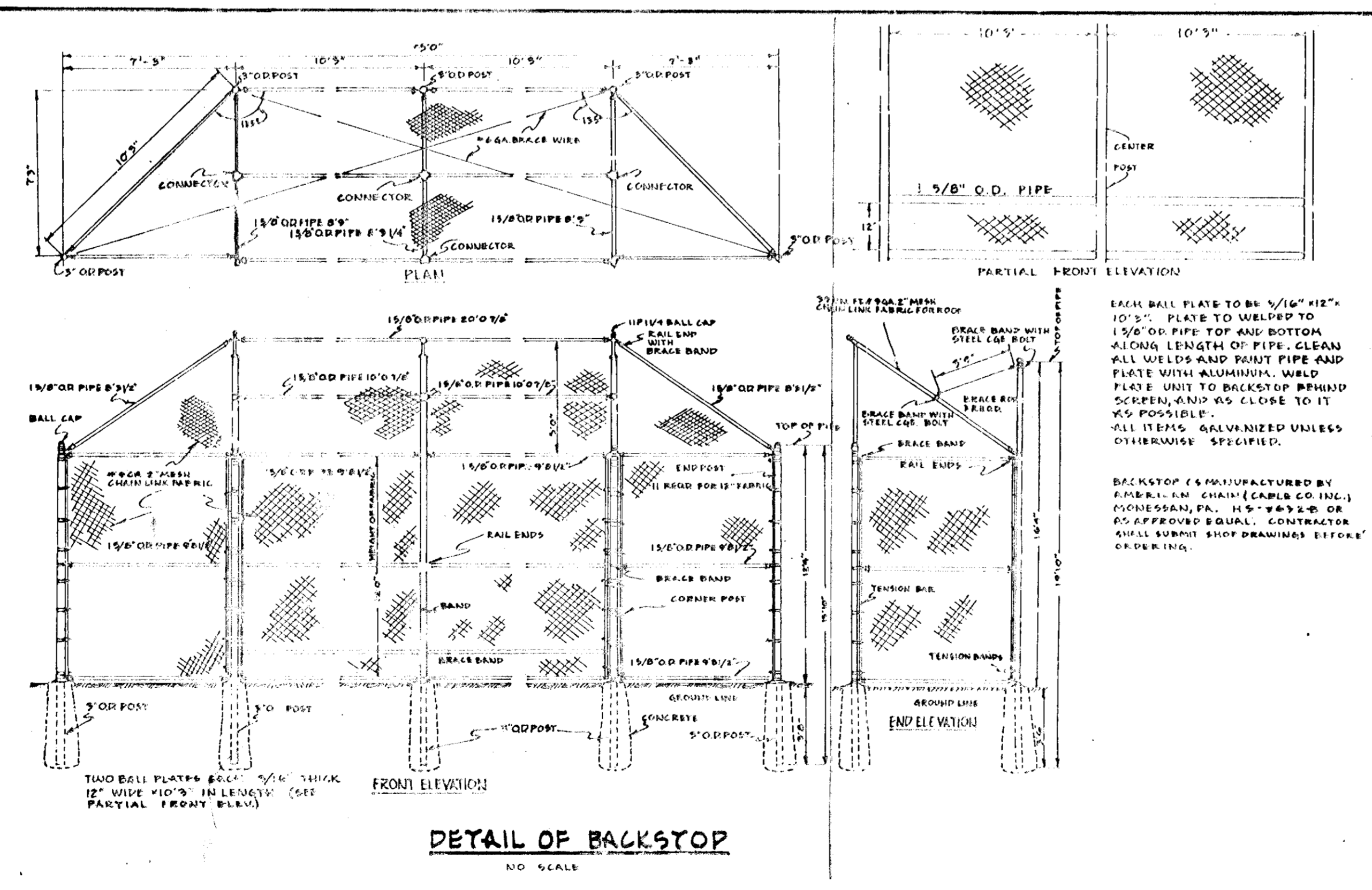
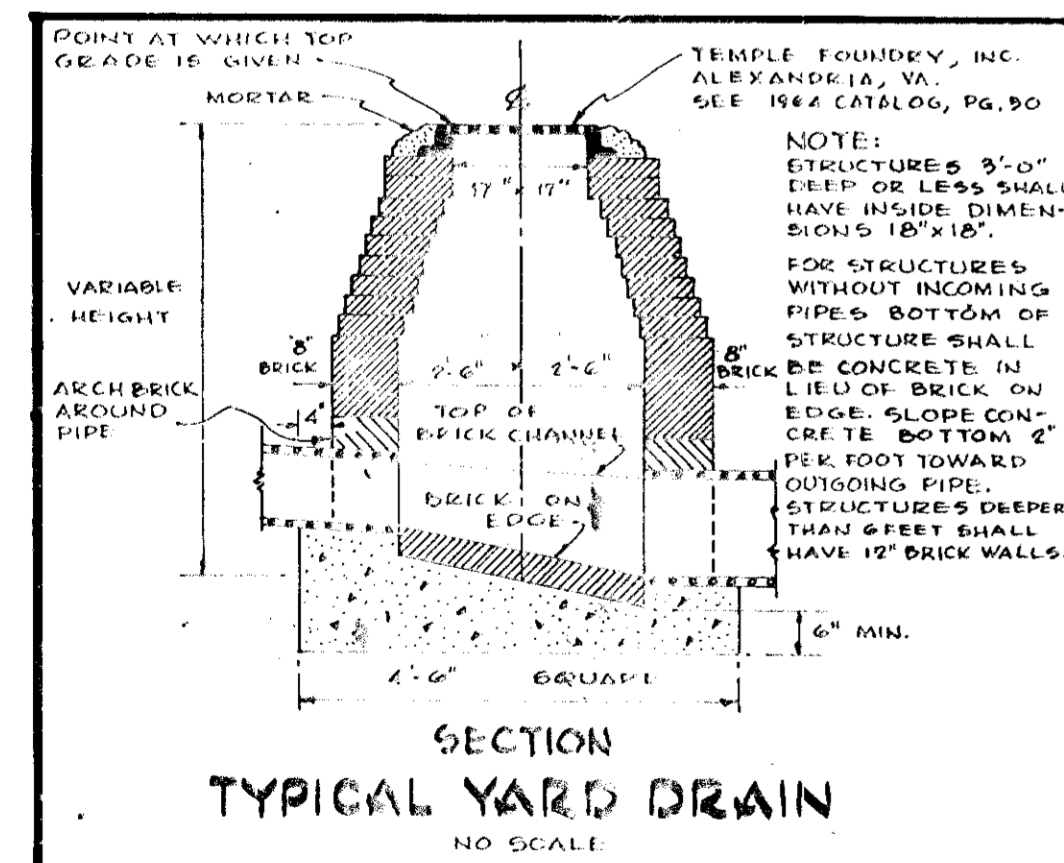
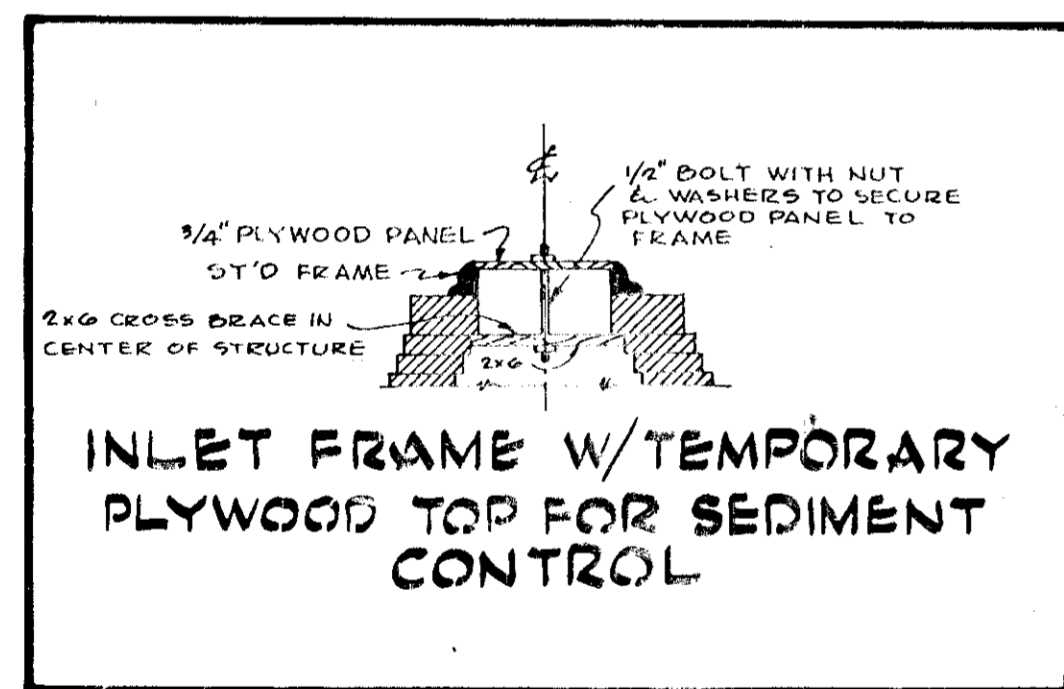
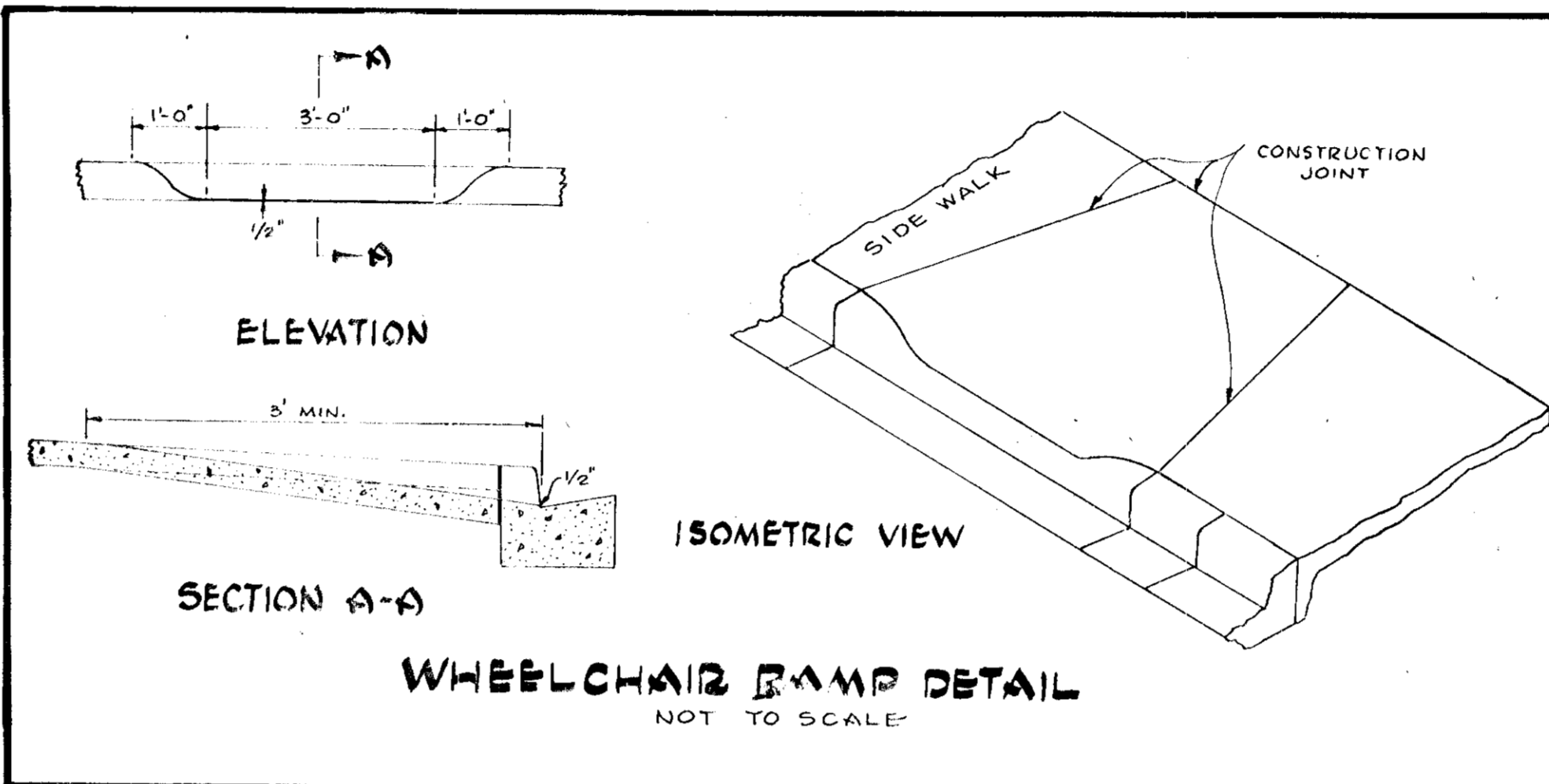
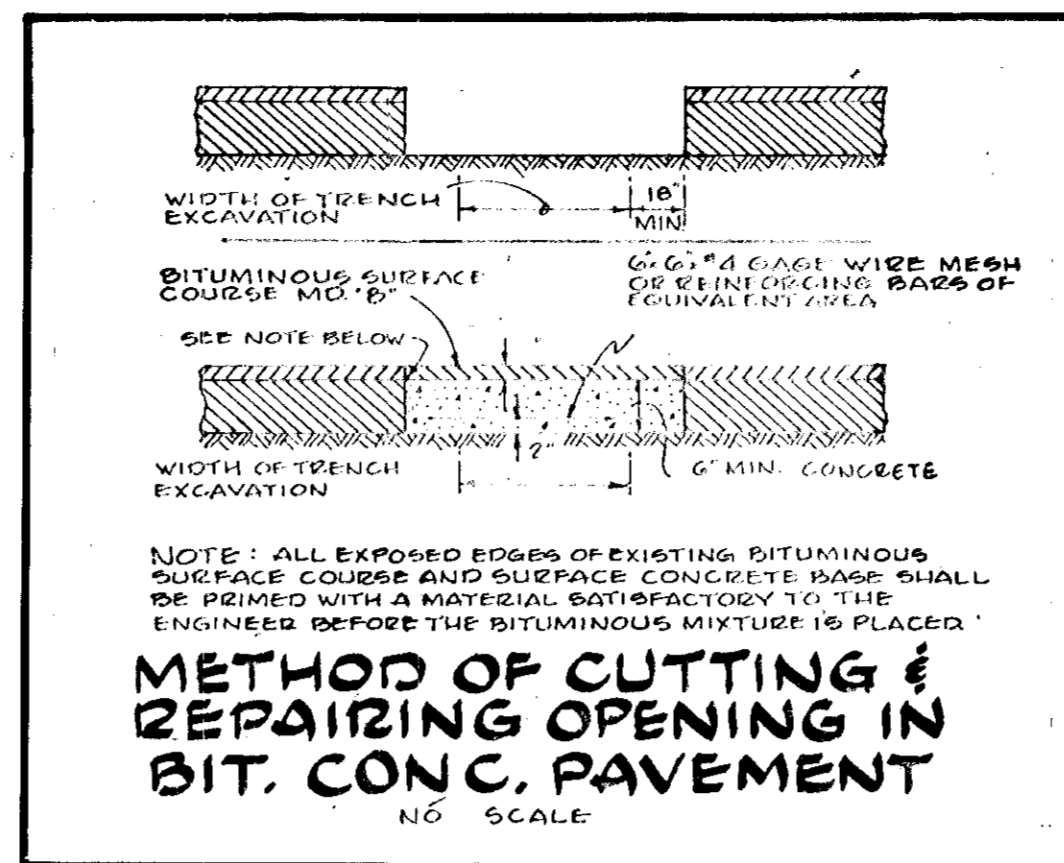
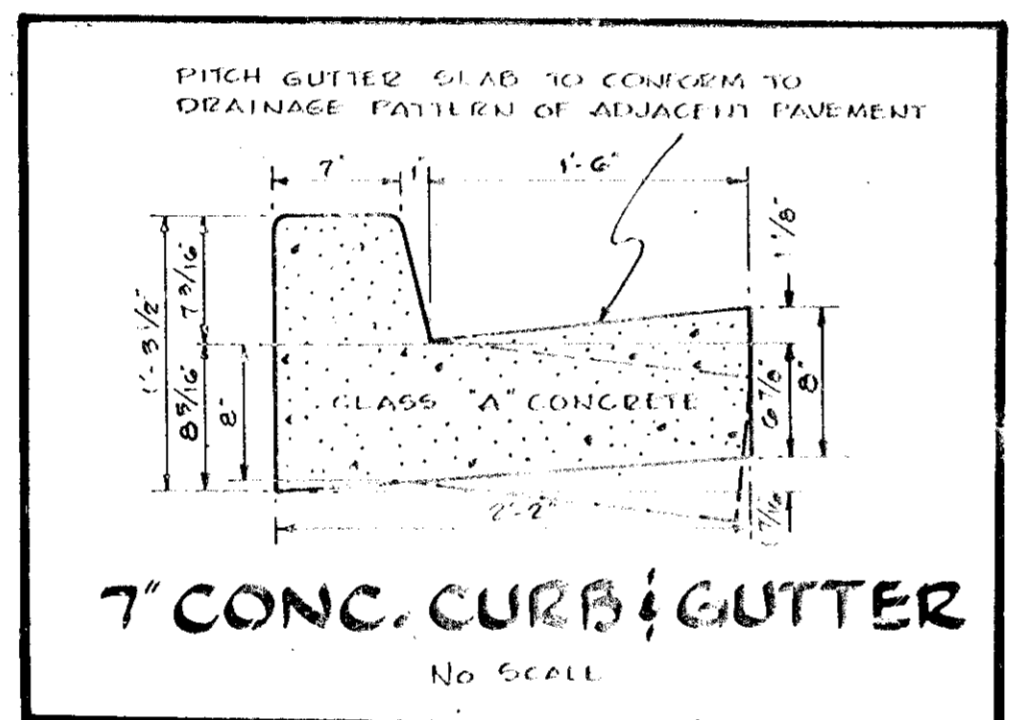
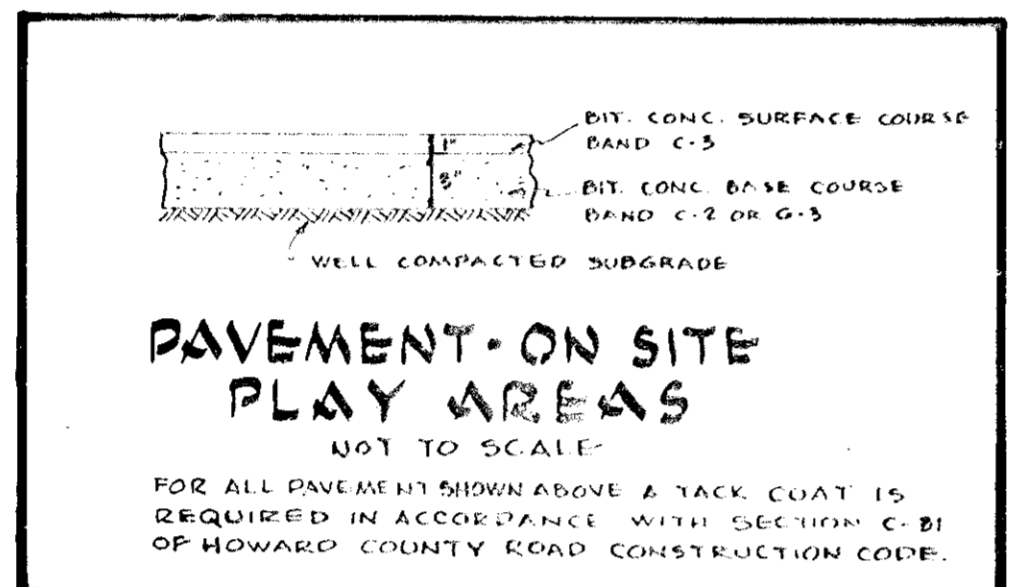
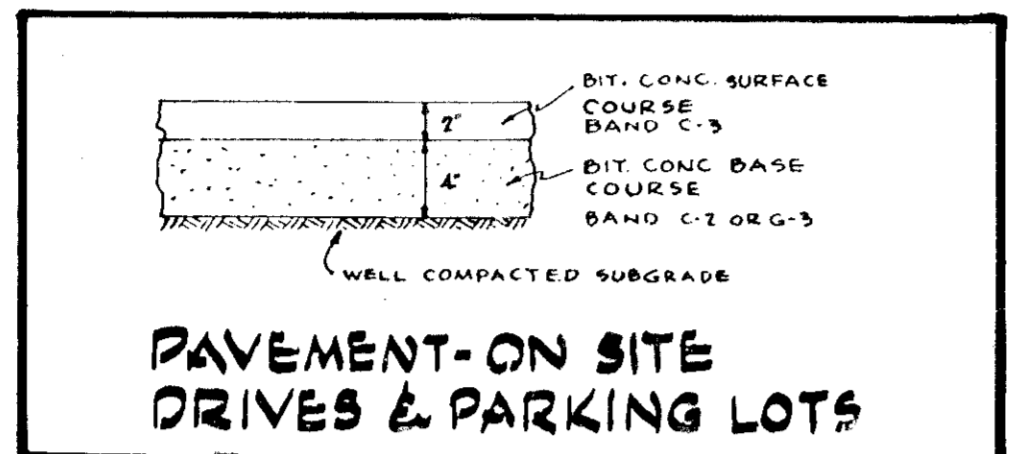
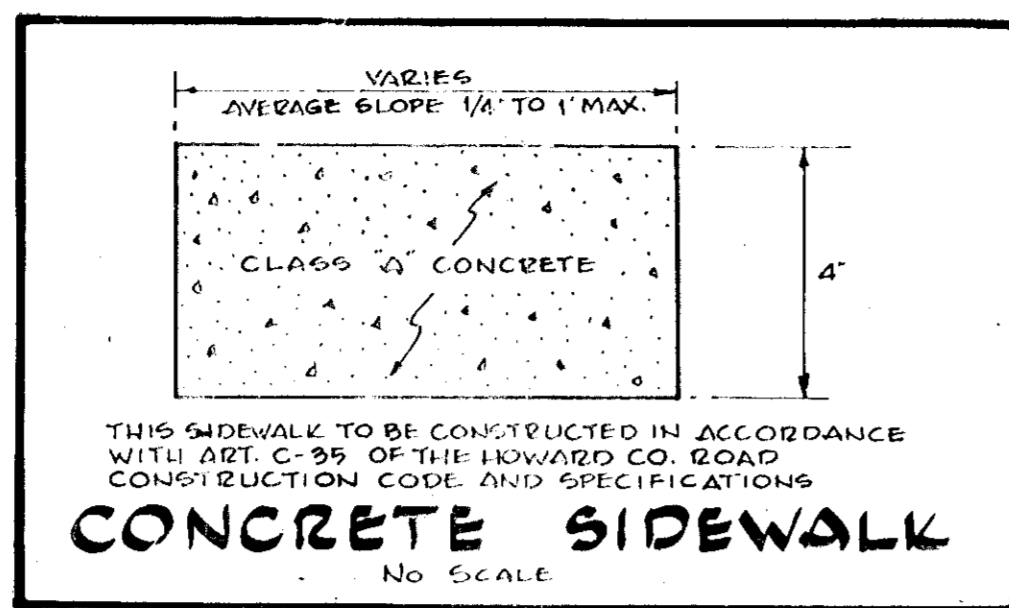
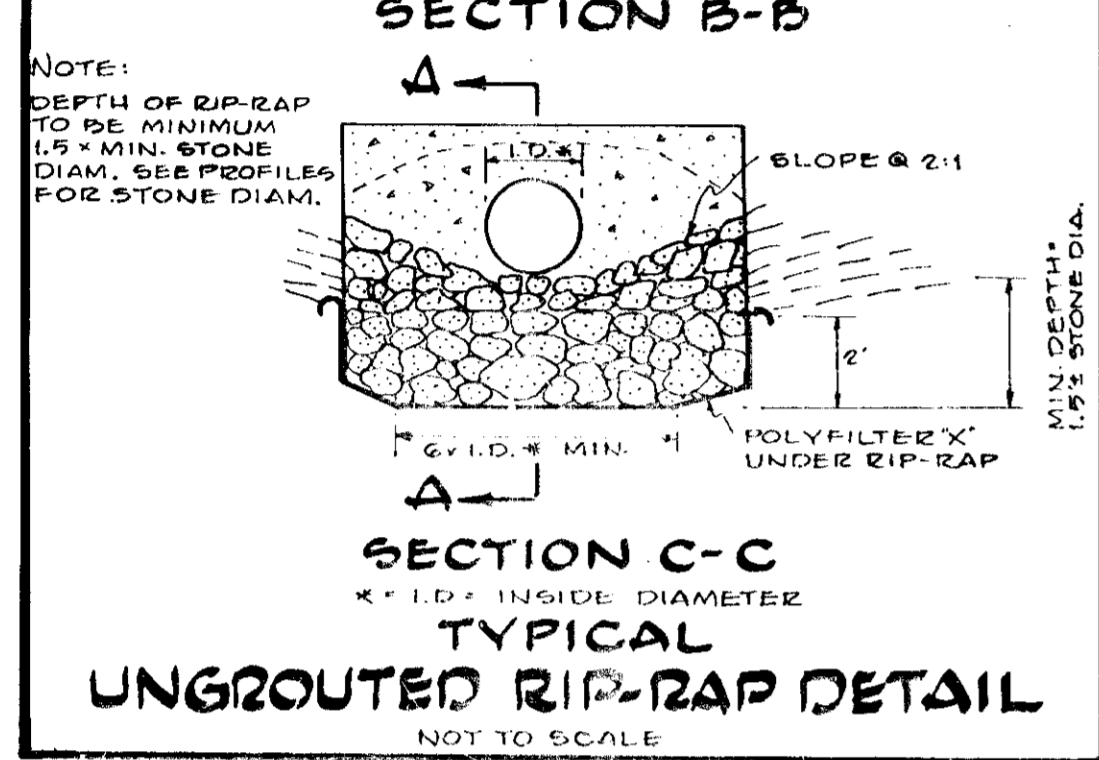
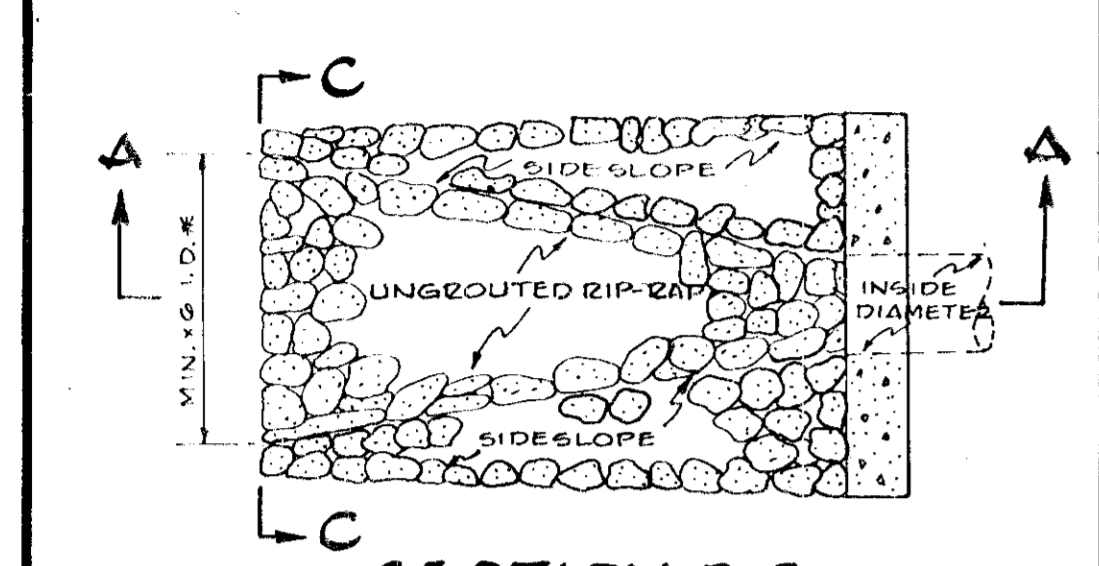
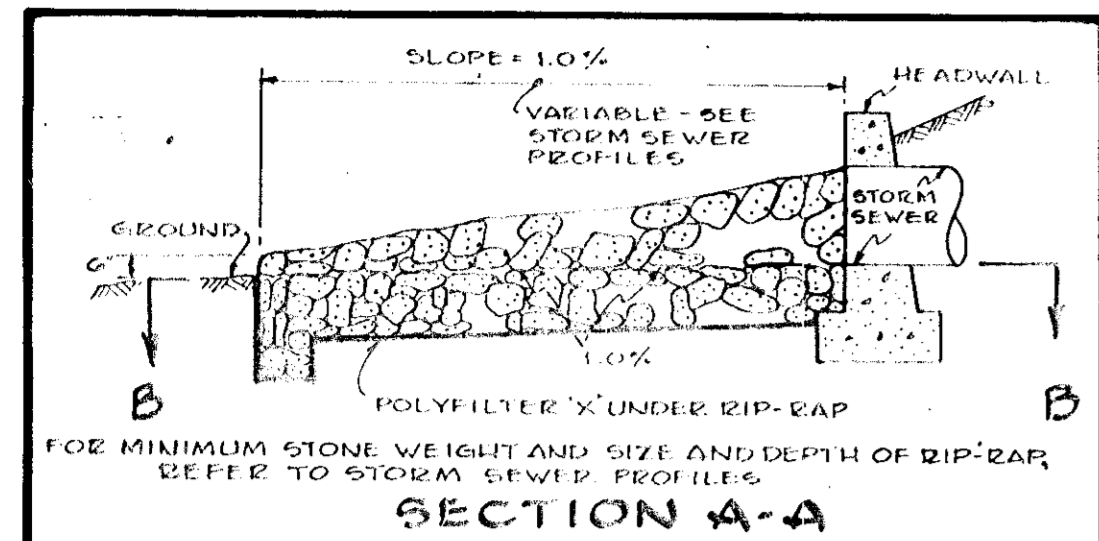
JOHANNES & MURRAY & ASSOCIATES
REGISTERED PROFESSIONAL ENGINEERS
1000 SILVER SPRING RD. SUITE 100
SILVER SPRING, MD. 20910

ALTERATIONS & ADDITIONS
CLARKSVILLE ELEMENTARY SCHOOL
SCHOOL DISTRICT 5
BOARD OF EDUCATION - HOWARD COUNTY, MARYLAND
DR. M. THOMAS GOSPEL Supt. of Schools

STANDARD DRAWING PROFILES
JOB No. 19415
DATE: 11/21/79

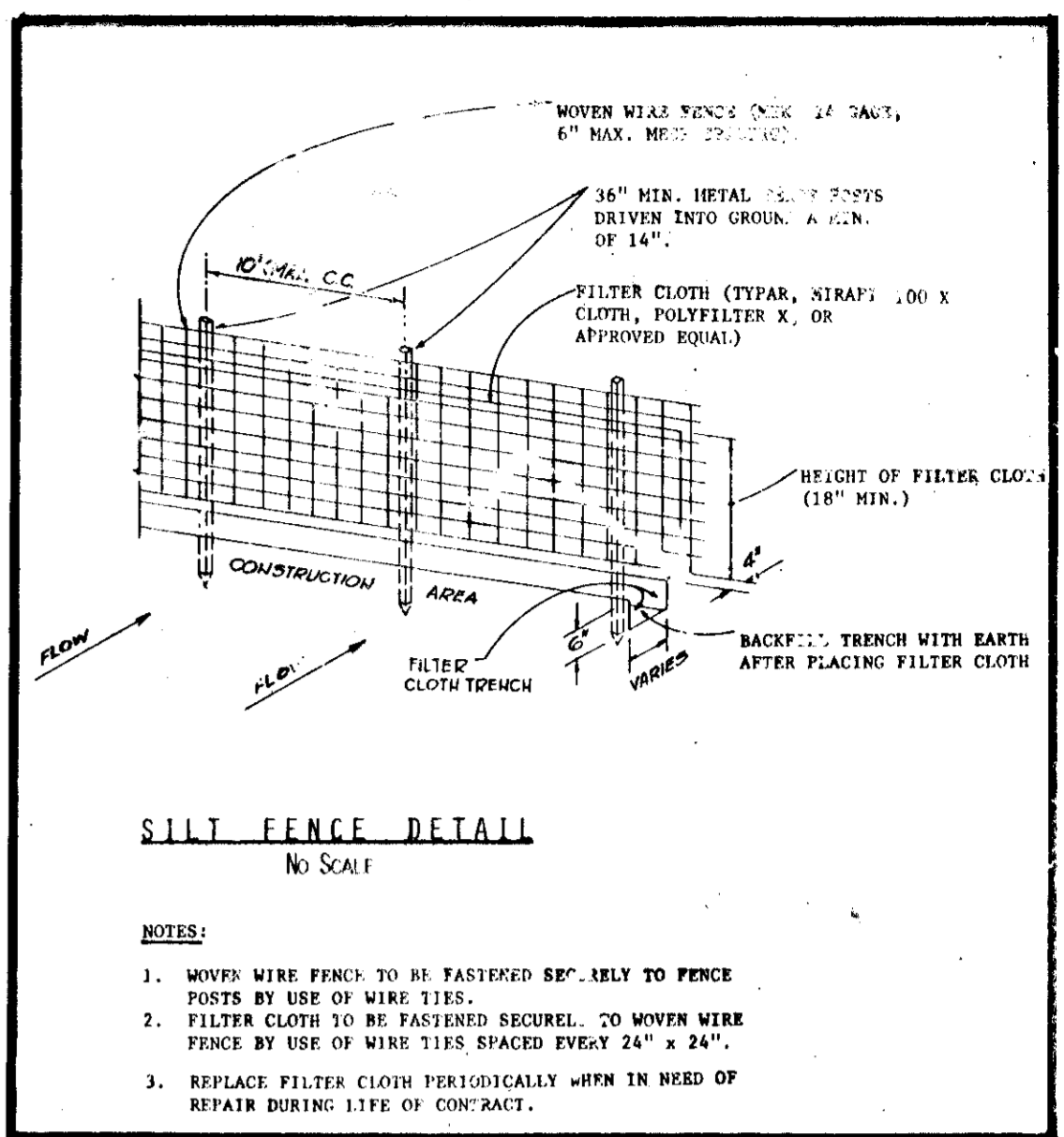
ASSOCIATED ENGINEERS, INC.
8555 SIXTEENTH STREET
SILVER SPRING, MARYLAND 20910
TEL. 301-588-7311

4 of 3
SDP-80-15



Reviewed for Howard S.C.D.
Name
and meets Technical Requirements
FOR SOIL EROSION AND SEDIMENT
CONTROL BY THE HOWARD COUNTY
CONSERVATION DISTRICT.
Approved Wm. J. Rouse Date 11-7-79
Howard S.C.D.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE
SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
James M. Webb DATE 11-14-79
HEALTH DEPARTMENT
APPROVED, HOWARD COUNTY OFFICE OF
PLANNING AND ZONING
James M. Webb DATE 11-14-79
PLANNING DIRECTOR
CHIEF DIVISION OF LAND
DEVELOPMENT & ZONATION
DATE 11-14-79
APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE
SYSTEMS AND PUBLIC ROADS, HOWARD
COUNTY DEPARTMENT OF PUBLIC WORKS
Allen E. Brown DATE 11/21/79
DIRECTOR



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.
James M. Webb DATE 11-14-79
Signature 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 Howard
County Soil Conservation District.
Allen E. Brown DATE 11/21/79
Signature Date

ASSOCIATED ENGINEERS, INC.
8885 SIXTEENTH STREET
SILVER SPRING, MARYLAND 20910
TEL. 301-581-1111

JOHANNES & MURRAY & ASSOCIATES
REGISTERED ARCHITECTS
SILVER SPRING, MARYLAND
RESERVING DRIVE J.U.S. 5752

ALTERATIONS & ADDITIONS
CLARKSVILLE ELEMENTARY SCHOOL
SECTION OF DISTRICT
BOARD OF EDUCATION HOWARD COUNTY, MARYLAND
DR. M. THOMAS GORDON, SUPERVISOR OF SCHOOLS

OWNER: BOARD OF EDUCATION
HOWARD COUNTY MARYLAND
8045 Route 32, COLUMBIA, MD.

JOB NO. 494P
SHEET NO. G-4
SDP-80-15



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 Howard County Soil Conservation District.

Reviewed for Howard S.C.D.
 Name
 and meets Technical Requirements
 Signature John M. Hark Date 11-7-79
 U.S. Soil Conservation Service

Signature Er. Paszucha Date Oct 29, 1979

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.

Signature Donald McLaughlin Date Nov. 2, 1979

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 Signature John Byrum Date 11-19-79
 HEALTH DEPARTMENT

APPROVED, HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 Signature [Signature] Date 11-20-79
 PLANNING DIRECTOR

Signature [Signature] Date 11-20-79
 CHIEF DIVISION OF LAND DEVELOPMENT

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE AND STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Signature Gravely P. [Signature] Date 11/23/79
 DIRECTOR

Signature Allen E. Brown Date 11/21/79
 CHIEF BUREAU OF ENGINEERS

OWNER: BOARD OF EDUCATION
 8005 ROUTE 302, COLUMBIA, MD.
 ASSOCIATED ENGINEERS, INC.
 8855 BIRKBEATH STREET
 SILVER SPRING, MD. 20910
 TEL. 301-588-7321



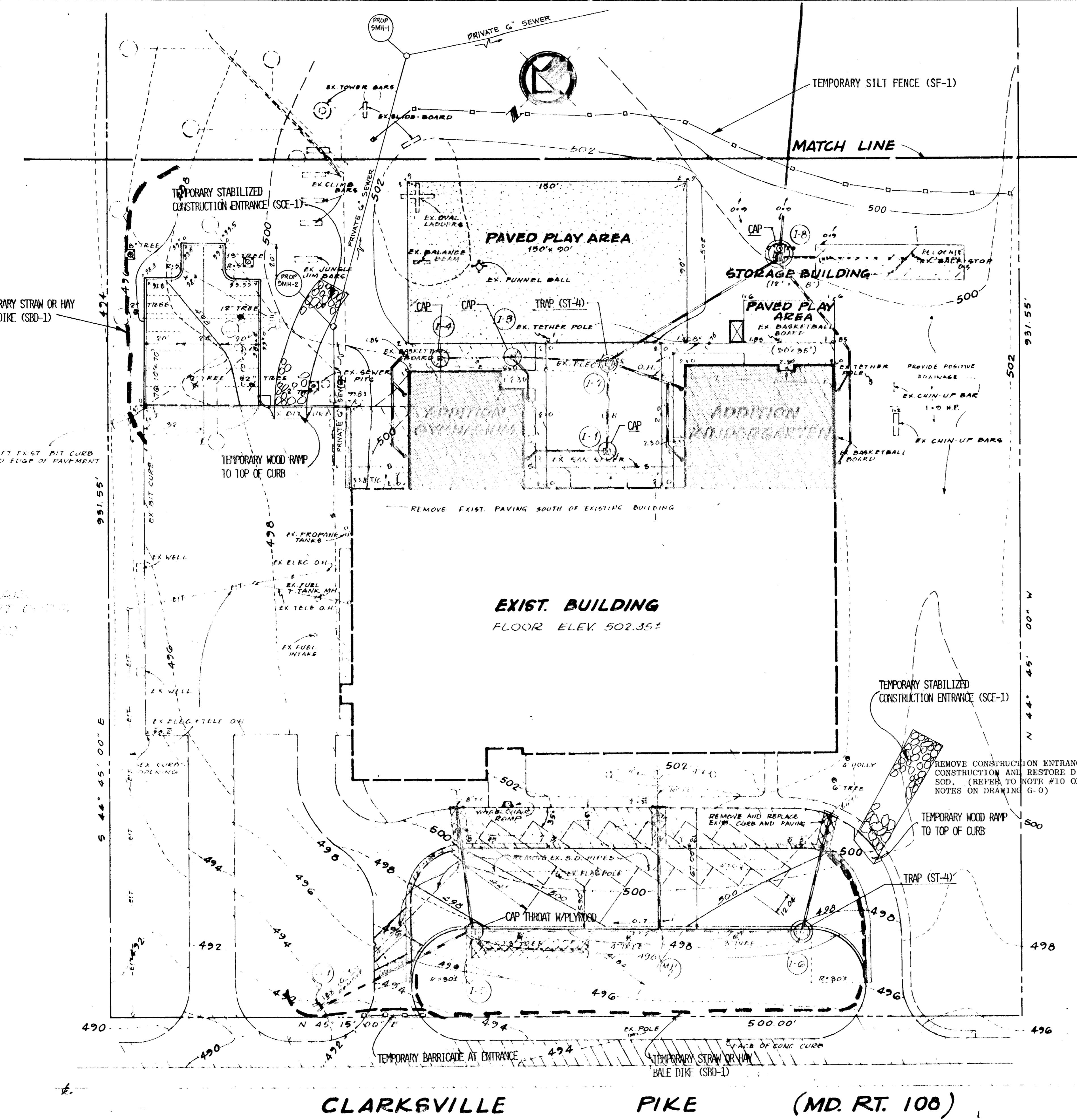
JOHANNES & MURRAY & ASSOCIATES
 REGISTERED ARCHITECTS
 REGISTERED ENGINEERS
 REGISTERED SURVEYORS
 855 WASHINGTON DRIVE, JUPITER, FLORIDA 33411

Signature [Signature]

ALTERATIONS & ADDITIONS
 CLARKSVILLE ELEMENTARY SCHOOL
 BOARD OF EDUCATION - HOWARD COUNTY, MARYLAND
 DR. M. THOMAS COLEMAN, Supt. of Schools

DATE: 8-31-79

PROJECT NO. 494
 SHEET NO. G-5
 SDP-80-15



SEDIMENT CONTROL LEGEND:
 TEMPORARY STABILIZED CONSTRUCTION ENTRANCE (SCE-1)
 TEMPORARY STRAW BALE DIKE (SBD-1)
 TEMPORARY SILT FENCE (SF-1)
 TEMPORARY INLET TRAP (ST-4)
 TEMPORARY INLET CAP
 TEMPORARY TREE PROTECTION

NOTES:
 1. FOR SEDIMENT CONTROL NOTES AND CONSTRUCTION SEQUENCE REFER TO DWG. G-0.
 2. THIS DRAWING SHALL BE USED FOR SEDIMENT CONTROL AND EROSION CONTROL ONLY.
 3. FOR SEDIMENT AND EROSION CONTROL DETAILS REFER TO DWG. G-4 AND G-6.

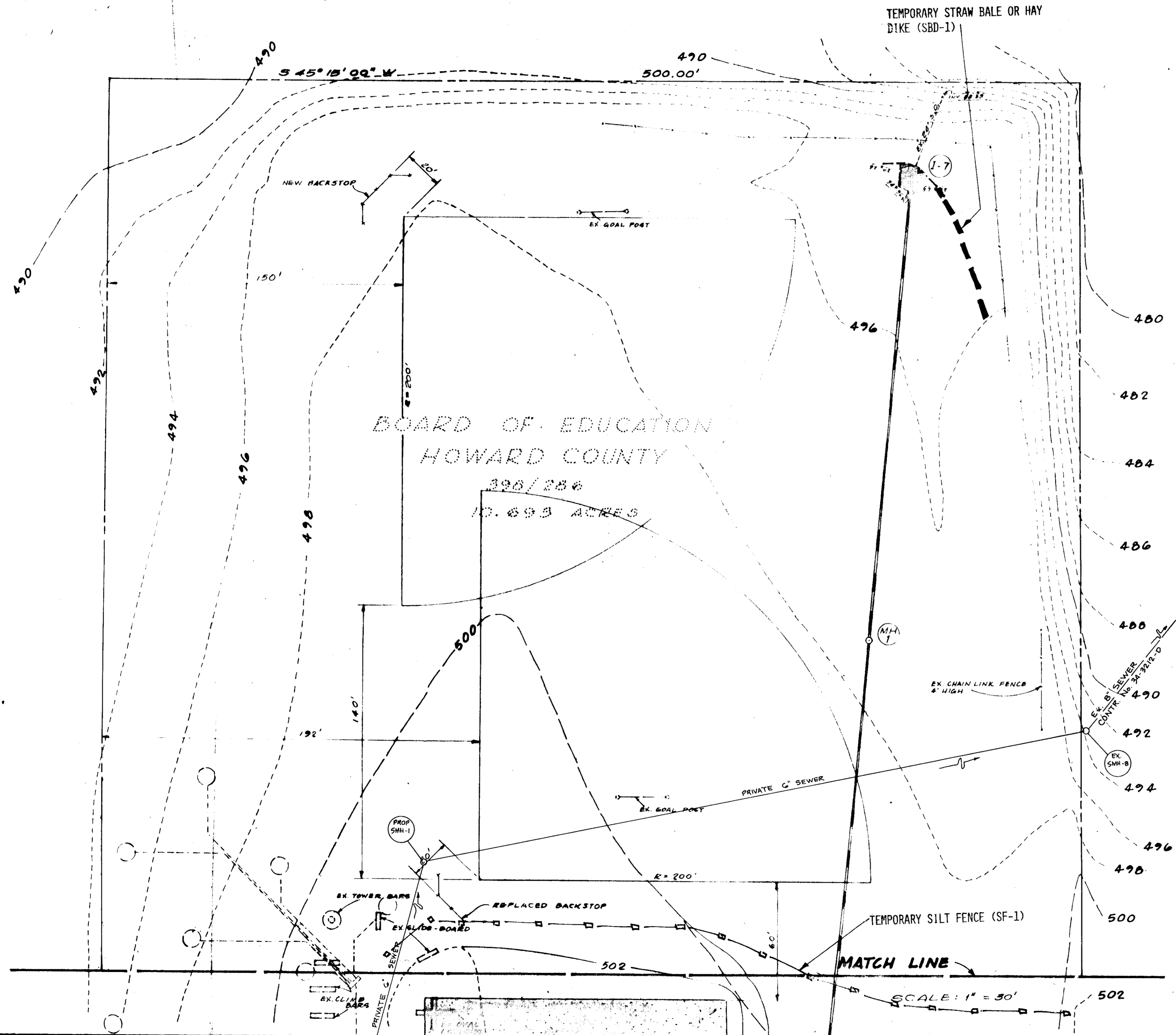
NOTES FOR SEDIMENT TRAP:
 1. TRAP SIZE IS BASED ON 1800 CUBIC FEET PER TRIBUTARY ACRE TO TRAP.
 2. DIMENSIONS GIVEN ARE AT BASE OF TRAP.
 3. TRAPS MAY BE SLIGHTLY RELOCATED TO MAINTAIN A MINIMUM OF 1 FOOT OF COVER OVER PIPES.
 4. FOR FURTHER DETAILS, SPEC., AND DEFINITIONS OF SYMBOLS AND ABBREVIATIONS, REFER TO THE SOIL CONSERVATION SERVICE'S JULY, 1975 EDITION OF STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS.
 5. INLET TRAP NUMBERS ARE THE SAME AS THE INLET NUMBER.
 6. CONTRACTOR SHALL PROVIDE A 42" HIGH SAFETY FENCE AROUND ALL TRAPS.
 7. CAP INLETS 1-1, 1-5, 1-3, 1-4 and 1-8 WITH PLYWOOD OR SANDBAGS.

SEDIMENT TRAP SCHEDULE

TRAP	TYPE	TRIBUTARY AREA (AC)	CAPACITY REQUIRED (CU. FT.)	ACTUAL CAPACITY (CU. FT.)	TRAP SIZE (FT.)	REMARKS
					L W D	
1-6	ST-4	0.12	216	232	6 6 2	OFFSET TRAP NW
1-2	ST-4	0.50	900	1080	12 12 3	OFFSET TRAP SE

SCALE: 1" = 30'

HOWARD COUNTY
 & DEVELOPMENT DIVISION
 403 750



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 Howard County Soil Conservation District.

Reviewed for HOWARD S.C.D. Name
 and meets Technical Requirements
 Signature: James M. Deleh Date: 11-7-79
 U.S. Soil Conservation Service

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.

Approved: Wm. T. Rowe Date: 11-7-79
 Howard S.C.D.

Signature: Eric Penelsh Date: 04-23, 1979

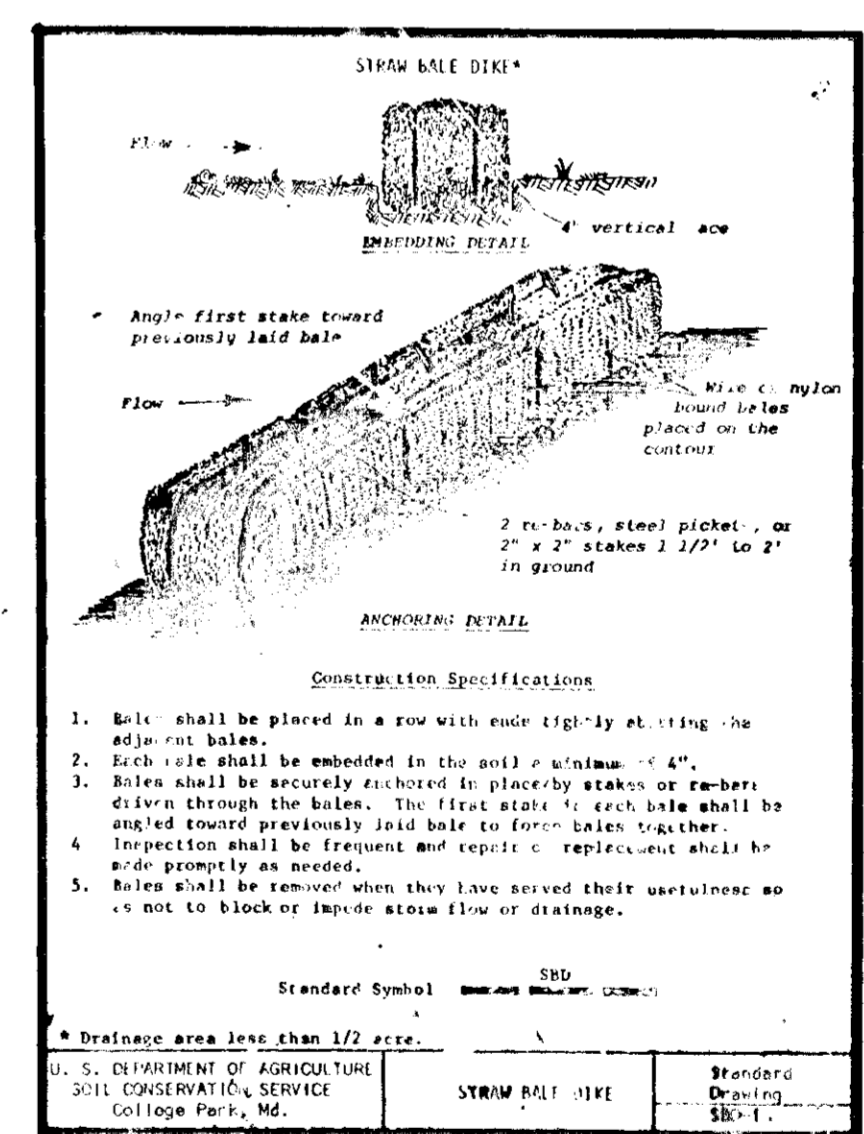
APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 Signature: [Signature] Date: 11-14-79
 COUNTY HEALTH OFFICER

APPROVED, HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 Signature: [Signature] Date: 11-26-79
 PLANNING DIRECTOR

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE AND STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Signature: [Signature] Date: 11-26-79
 CHIEF DIVISION OF LAND DEVELOPMENT PLANNING

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE AND STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Signature: [Signature] Date: 11-23-79
 DIRECTOR (acting)

for Allen & Brown Date: 11/21/79
 ENGINEERING



- NOTES:
1. FOR SEDIMENT CONTROL NOTES AND CONSTRUCTION SEQUENCE REFER TO DMG. G-0.
 2. THIS DRAWING SHALL BE USED FOR SEDIMENT AND EROSION CONTROL ONLY.
 3. FOR REMAINING SEDIMENT AND EROSION CONTROL DETAIL REFER TO DMG. G-4.

APPROVED
 DIVISION OF LAND DEVELOPMENT
 DATE: 8-31-79



OWNER: BOARD OF EDUCATION
 HOWARD COUNTY, MARYLAND
 3035 ROUTE 32, COLUMBIA, MD.

ASSOCIATED ENGINEERS, INC.
 8835 SIXTYEIGHTH STREET
 SILVER SPRING, MARYLAND 20910
 TEL: 301-988-7311



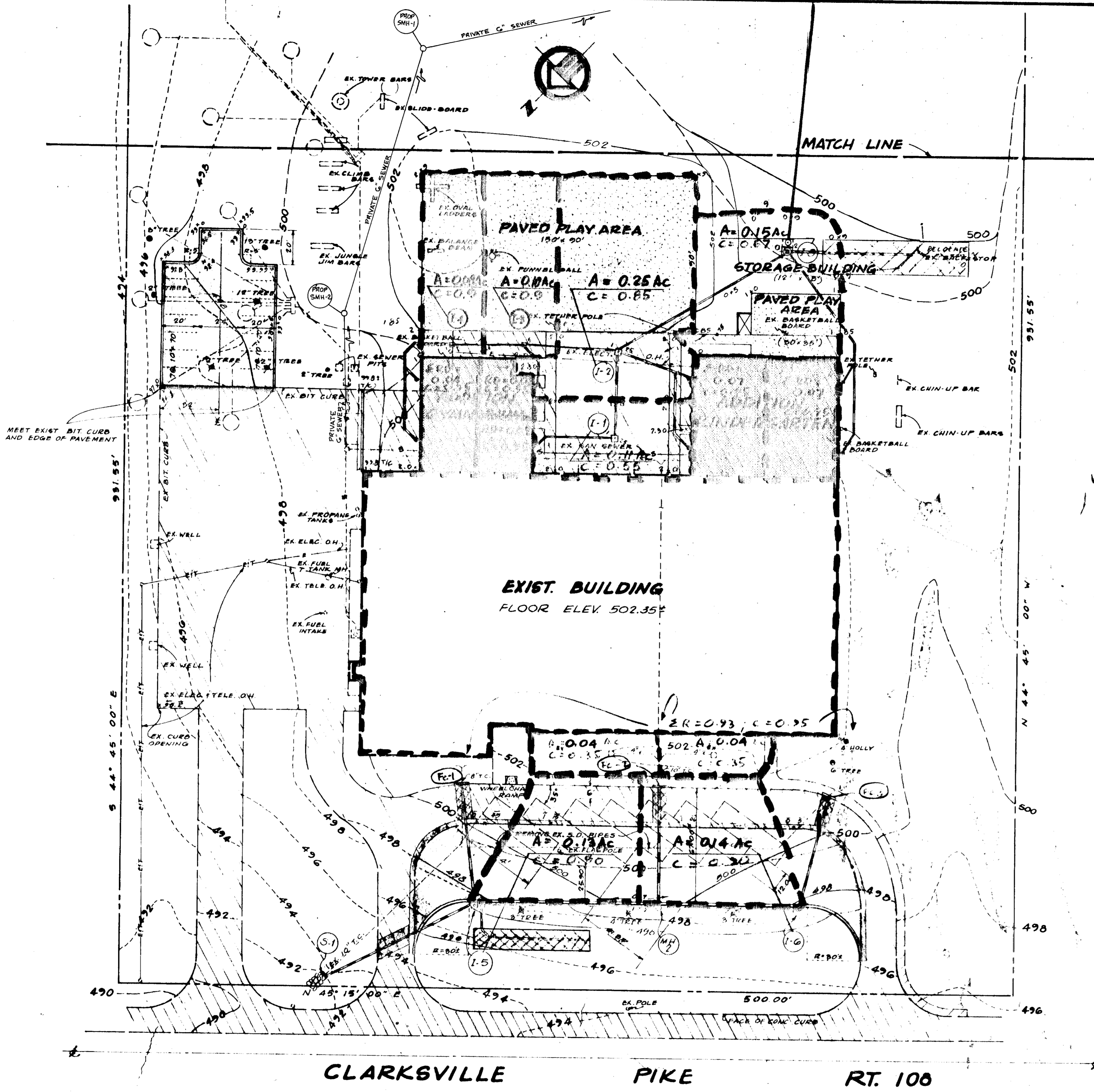
JOHANNES & MURRAY & ASSOCIATES
 REGISTERED PROFESSIONAL ENGINEERS
 855 PERSHING DRIVE, SUITE 302
 SILVER SPRING, MARYLAND 20910

John Murray
 License No. 10000

ALTERATIONS & ADDITIONS
 CLARKSVILLE ELEMENTARY SCHOOL
 DISTRICT OFFICE
 BOARD OF EDUCATION HOWARD COUNTY, MARYLAND
 DR. M. THOMAS GIERKE - SUPT. OF SCHOOLS

DATE: 8-31-79

JOB NO. 494
 SHEET NO. G-6
 SDP-80-15



Reviewed for **Howard** S.C.D.
 Name
 and meets Technical Requirements
 Signature *James M. Helt* Date **11-7-79**
 U.S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED
 FOR SOIL EROSION AND SEDIMENT
 CONTROL BY THE HOWARD COUNTY
 CONSERVATION DISTRICT.
 Approved *Wm. J. Rowe* Date **11-2-79**
 Howard S.C.D.

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 Howard
 County Soil Conservation District.
 Signature *Ev. Pender* Date **Oct 29, 1979**
 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.
 Signature *Ronald J. Bergmy* Date **Nov. 2, 1979**

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE
 SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 Signature *Joyce Byer* Date **11-14-77**
 CHIEF HEALTH OFFICER
 APPROVED, HOWARD COUNTY OFFICE OF
 PLANNING AND ZONING
 Signature *William C. Manning* Date **11-26-78**
 PLANNING DIRECTOR
 Signature *Robert M. Brown* Date **11-26-79**
 CHIEF DIVISION OF LAND
 DEVELOPMENT & TRANSPORTATION
 APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE AND
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD
 COUNTY DEPARTMENT OF PUBLIC WORKS
 Signature *Shawville P. Breeland* Date **11/21/79**
 DIRECTOR (acting)
 Signature *Allen L. Brown* Date **11/21/79**
 CHIEF BUREAU OF
 ENGINEERING

ORDER: BOARD OF EDUCATION
 HOWARD COUNTY, MARYLAND
 8045 ROUTE 32, COLUMBIA, MD.
ASSOCIATED ENGINEERS, INC.
 1635 SILVER SPRING DRIVE
 SILVER SPRING, MARYLAND 20910
 TEL. 301-588-7311

APPROVED
 DIVISION OF LAND DEVELOPMENT
 HOWARD COUNTY, MARYLAND
 DATE **8-31-79**



JOHANNE & MURRAY & ASSOCIATES
 REGISTERED ARCHITECTS
 1635 SILVER SPRING DRIVE, SUITE 200
 SILVER SPRING, MARYLAND 20910
 TEL. 301-588-7311

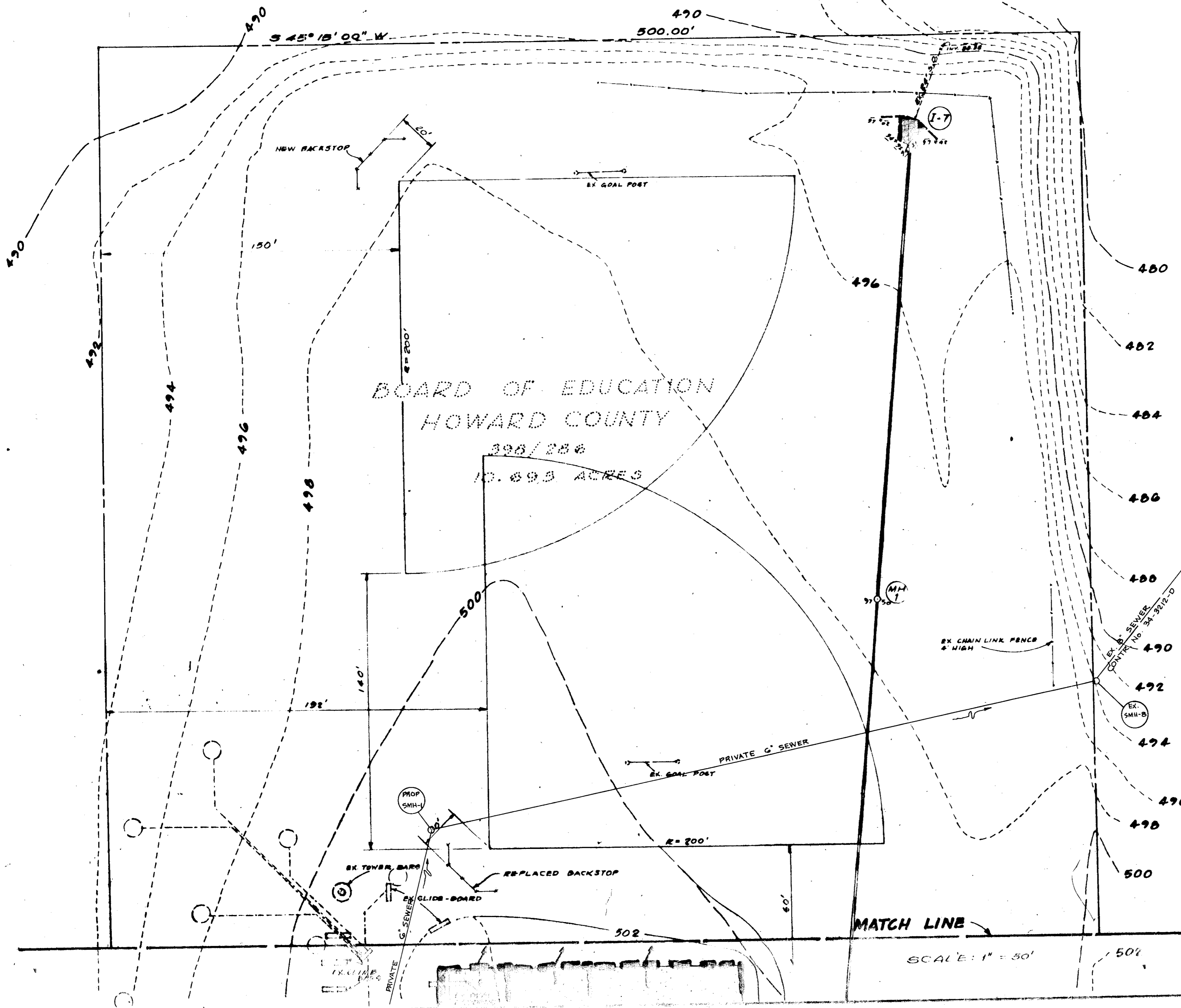
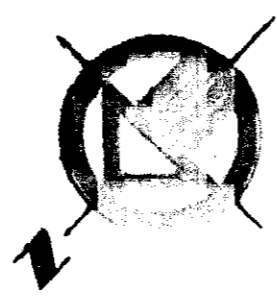
**ALTERATIONS & ADDITIONS
 CLARKSVILLE ELEMENTARY SCHOOL**
 BOARD OF EDUCATION DISTRICT
 DE. M. THOMAS, CHIEF Supt. of Schools
 DRAINAGE DIVISION NORTH

Job No **4942**
 Sheet No
DD-1

CLARKSVILLE PIKE RT. 100

SCALE: 1" = 30'

SDP-80-15



Reviewed for HOWARD S.C.D.
Name

and meets Technical Requirements
John M. Nelson Date 11-7-79
Signature

U.S. Soil Conservation Service

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

Approved *Wm. J. Rowe* Date 11-7-79
Howard S.C.D.

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 Howard
County Soil Conservation District.

Elmer Penick Oct 29, 1979
Signature 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 County Soil Conservation
District.

James W. Bergman November 14, 1979
Signature Date

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

Joseph J. ... 11-14-79
COUNTY HEALTH OFFICER DATE

APPROVED, HOWARD COUNTY OFFICE OF
PLANNING AND ZONING

Thomas J. ... 11-26-79
PLANNING DIRECTOR DATE

Phillip ... 11-26-79
CHIEF DIVISION OF LAND
DEVELOPMENT DATE

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

Dr. ... 11/23/79
DIRECTOR DATE

Allen S. Brown 11/21/79
CHIEF BUREAU OF
ENGINEERING DATE

OWNER: BOARD OF EDUCATION
HOWARD COUNTY DISTRICT
3035 PINE 32, COLUMBIA, MD.

ASSOCIATED ENGINEERS, INC.
8835 SIXTEENTH STREET
SILVER SPRING, MARYLAND 20910
TEL. 301-5887311

APPROVED
DIVISION OF LAND DEVELOPMENT
DATE 8-31-79
AWM

JOHANNES & MURRAY & ASSOCIATES
REGISTERED ARCHITECTS
SILVER SPRING DRIVE, SUITE 300
SILVER SPRING, MARYLAND 20910

Laura Murray
SEP-80-15

ALTERATIONS & ADDITIONS
CLARKSVILLE ELEMENTARY SCHOOL
547 ELECTION DISTRICT
BOARD OF EDUCATION HOWARD COUNTY, MARYLAND
DR. M. THOMAS GORENKE SUPT. OF SCHOOLS

DRAWING TITLE: DRAINAGE DIVIDES
SCALE: 1" = 30'

Job No: 1947
Scale: DD-2