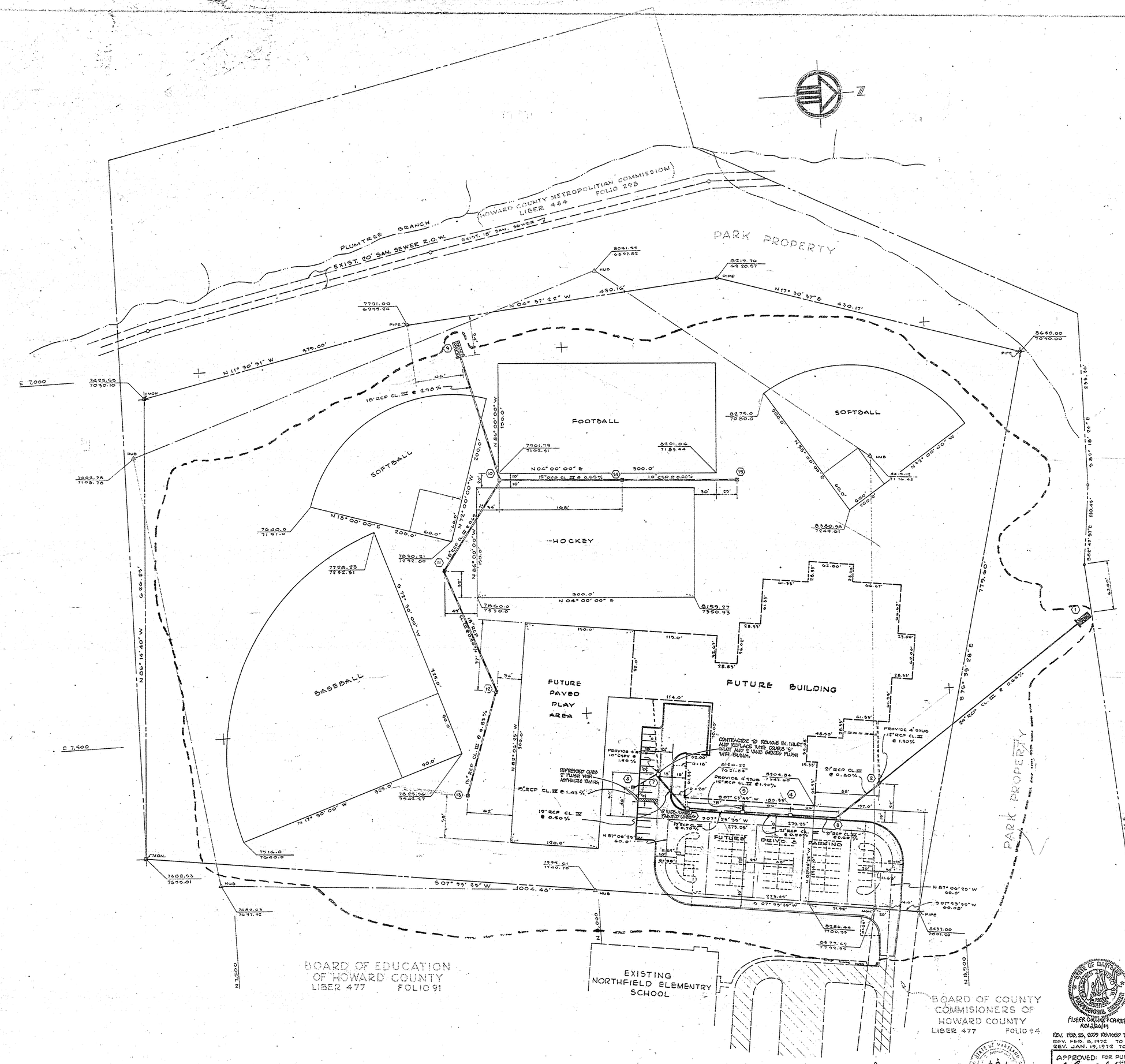
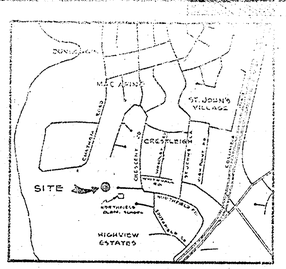


SCALE: 1" = 50'



VICINITY MAP
SCALE: 1" = 1000'

LEGEND

- PROPERTY LINE
- FUTURE BUILDING
- FUTURE CURBS
- FUTURE PAVING
- FUTURE ROOF DRAINS
- STORM DRAINAGE STRUCTURES & PIPES UNDER THIS CONTRACT
- CONTROL TRAVERSE
- EXISTING PAVING
- LIMIT OF CONTRACT
- FLOOD PLAIN (50 YR.)

NOTES:

1. REFER TO GRADING PLAN PS-2 FOR GRADING, LIMITS OF TOPSOILING AND SEEDING UNDER THIS CONTRACT.
2. STORM DRAINAGE STRUCTURE TABLE & DETAILS ARE SHOWN ON DRWG. PS-3.

AREA OF SITE: 20.00 ACRES

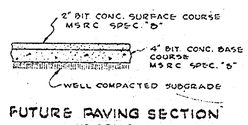
DEED REFERENCE: LIBER ; FOLIO

TAX MAP:

ELECTION DISTRICT:

COMPLETE SET OF SITE PREPARATION DRAWINGS CONSIST OF THE FOLLOWING:

LAY-OUT PLAN	PS-1
GRADING PLAN	PS-2
STORM DRAINAGE PROFILES & DETAILS	PS-3
SEDIMENT CONTROL PLAN	PS-4
DRAINAGE DIVIDES	DD-1
STORM DRAINAGE COMPUTATIONS	7 PAGES



FUTURE PAVING SECTION
NO SCALE

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE MARCH 8, 1972
Thomas G. Harris Jr.

APPROVED

STATE OF MARYLAND
REGISTERED PROFESSIONAL ENGINEER
FISHER COLLINS & CARTER INC.
REV. 2/10/69

REV. FEB. 22, 2000 REVISED TO EXPAND EXISTING PARKING LOT.
REV. FEB. 8, 1972 TO COMPLY WITH REVIEW COMMENTS.
REV. JAN. 19, 1972 TO AVOID GRADING IN FLOOD PLAIN.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER — DATE Apr. 17, 1972

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Thomas G. Harris Jr. — 4-17-72
PLANNING DIRECTOR — DATE
Jake Weisman — 4-17-72
CHIEF, DIVISION OF LAND DEVELOPMENT — DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
William A. Allen — 4/14/72
DIRECTOR: DATE — CHIEF, BUREAU OF HIGHWAYS, DATE 3/14/72

F. T. NORCROSS
PROF. ENGINEER & LAND SURVEYOR
5701 (MD)
DATE: JANUARY 10, 1972

STATE OF MARYLAND — REGISTERED PROFESSIONAL ENGINEER

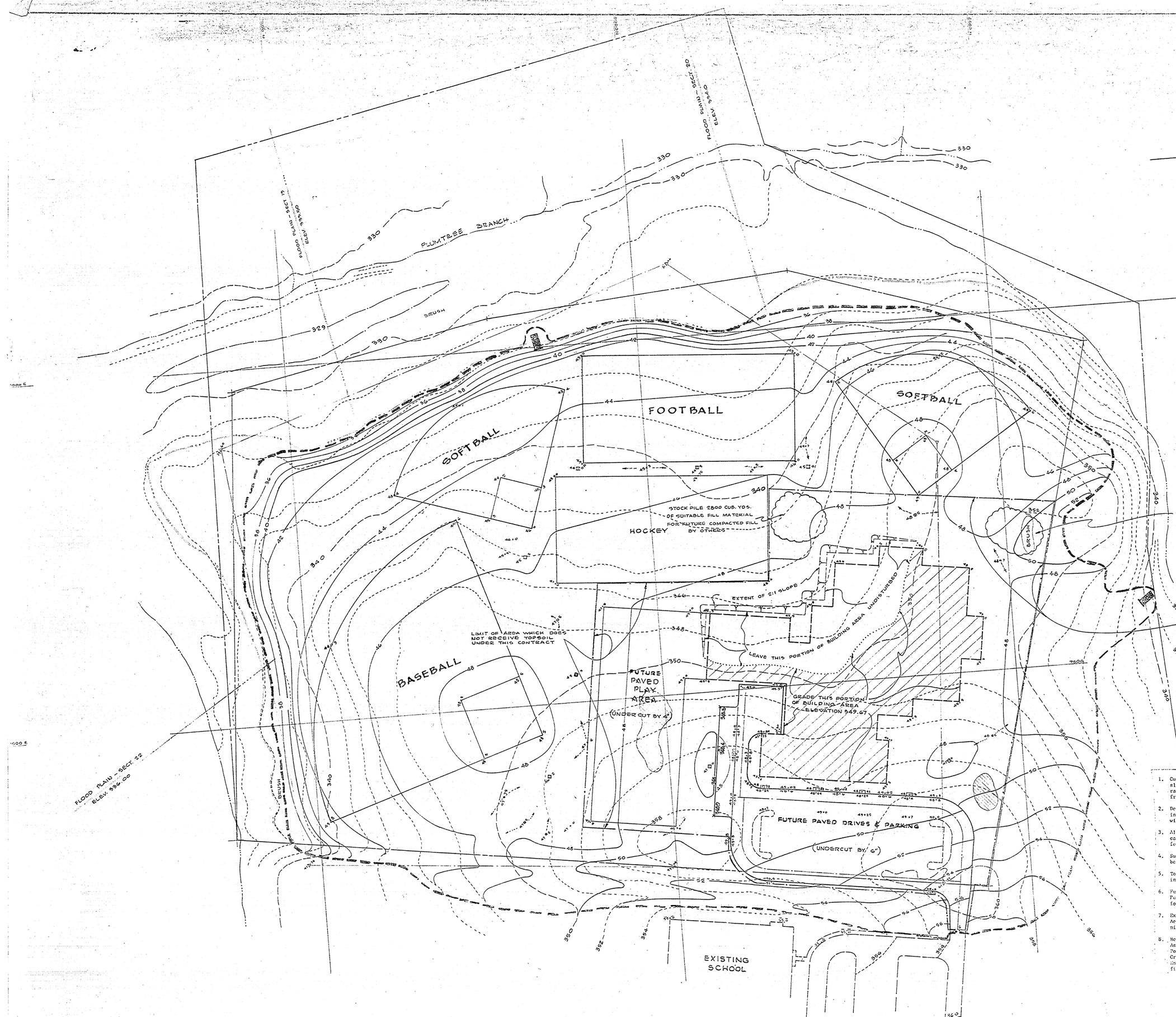
JOHANNES & DURRAY & ASSOCIATES
REGISTERED ARCHITECTS
SILVER SPRING, MARYLAND
JAMES H. SULLIVAN, JR. — STRUCTURAL ENGINEER
R. L. LUTZ — MECHANICAL ENGINEER
HARRY J. PULFORD — ELECTRICAL ENGINEER
ASSOCIATED ENGINEERS INC. — SITE ENGINEER

DUNLOGGIN MIDDLE SCHOOL
ELLICOTT CITY MARYLAND
HOWARD COUNTY BOARD OF EDUCATION
DR. M. THOMAS GLENN — HOWARD COUNTY SUPERINTENDENT OF SCHOOLS

DRAWING TITLE: LAYOUT PLAN

Job No 650
Sheet No PS-1
1 OF 6

SDP-72-62



LEGEND

EXISTING CONTOURS	350
DESIGN CONTOURS (REFER TO NOTE # 6)	350
LIMIT OF GRADING	
LIMIT OF AREA WHICH DOES NOT RECEIVE TOPSOIL OR NOR SEEDING	
CONTROL TRAVERSE & STATIONS WITH EXISTING ELEVATIONS	
2:1 SLOPE FOR TRANSITION FROM GRADED AREAS TO UNDISTURBED BUILDING AREA	
FLOOD PLAIN SECTIONS AS OBTAINED FROM DEPT. OF PUBLIC WORKS AND PREPARED BY WHITMAN & REQUARDT	
FLOOD PLAIN LIMIT (50 YR.)	

GENERAL NOTES

1. Cut and fill shall be balanced on site. Extent of slopes and/or levels of grass play areas may be raised or lowered to achieve this, however permission from Architect must be obtained.
2. Design contours shown are finished grades. Allowances in grading shall be made for topsoil not to be spread within areas indicated.
3. All areas disturbed and outside of the areas indicated not to be topsoiled, shall be topsoiled, limed, fertilized, seeded and mulched.
4. Suitable fill material for future compacted fill shall be stockpiled where indicated.
5. Topsoil for future spreading in the vicinity of building shall be stockpiled where shown.
6. Future paved play area shall be undercut by 4inches. Future drives and parking areas (refer to lay-out plan for extent) shall be undercut by 6 inches.
7. Existing contours are based on aerial survey prepared by Aero Service Corp., Philadelphia, Pa., 19135, and furnished by the Rouse Company, Columbia, Maryland.
8. Bench Mark as obtained from Whitman, Requardt & Associates, Baltimore, Md.: Railroad Spike in Old Pole #13 at Intersection of Whitehall Avenue with Crescent - Elevation 367.21 feet. Elevation of East Entrance of existing Northfield Elementary School as field-checked by Associated Engineers, Inc. 355.84 feet.

SCALE: 1" = 50'

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER — DATE 4/17/72
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
PLANNING DIRECTOR — DATE 4-17-72
CHIEF ENGINEER, DIVISION OF LAND DEVELOPMENT — DATE 4-19-72
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR: DATE 4/14/72 — CHIEF, BUREAU OF HIGHWAYS.

STATE OF MARYLAND — FISHER COLCHIN & CARTER, INC. — REG. 2/26/69 — PROFESSIONAL ENGINEER

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE MARCH 8, 1972

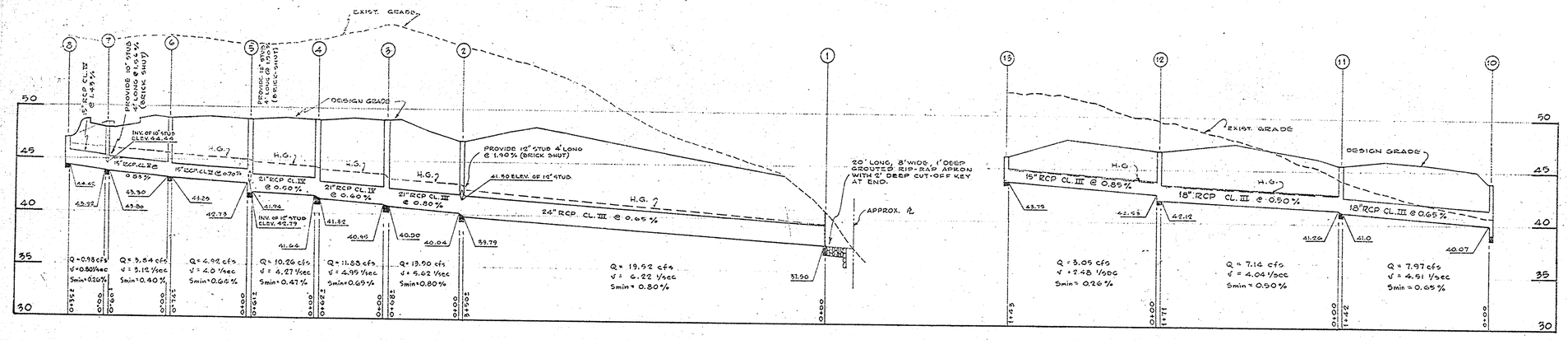
REV. FEB. 26, 2009 RE-ARGET TO EXPAND EXISTING PARKING LOT
REV. FEB. 8, 1972 TO COMPLY WITH REVIEW COMMENTS.
REV. JAN. 19, 1972 TO AVOID GRADING IN FLOOD PLAIN

JOHANNES & MURRAY & ASSOCIATES
REGISTERED ARCHITECTS
JAMES P. SULLIVAN JR. — STRUCTURAL ENGINEER
P. L. LUTZ — MECHANICAL ENGINEER
JOHN G. PUFFORD — ELECTRICAL ENGINEER
SITE ENGINEER
ASSOCIATED ENGINEERS INC

DUNLOGGIN MIDDLE SCHOOL
ELLICOTT CITY — MARYLAND
FOR THE BOARD OF EDUCATION — HOWARD COUNTY, MARYLAND
DR. M. THOMAS GLOCKNER — SUPERINTENDENT OF SCHOOLS
GRADING PLAN

JOB NO. 650
SHEET NO. PS-2
2 OF 6

SDP-72-62



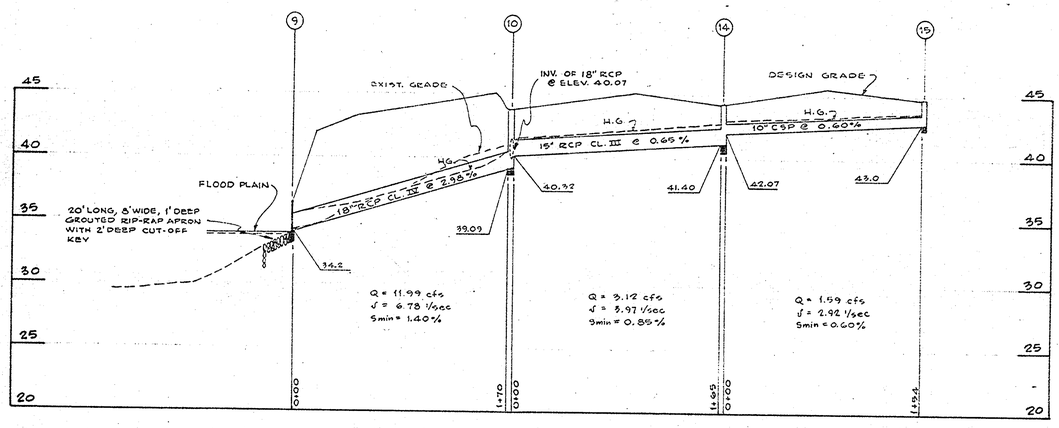
STRUCTURE TABLE

NO.	TYPE	TOP ELEV.	REMARKS
1	TYPE "C" ENDWALL *	—	STD. HOWARD CTY. FOR 24" PIPE, DRWG. D-52
2	SPECIAL "A" INLET	347.00	SEE DETAIL
3	CLASS A-5 INLET	348.90	STD. HOWARD CTY. DETAIL, DRWG. 64-A
4	CLASS A-5 INLET	348.92	STD. HOWARD CTY. DETAIL, DRWG. 64-A
5	CLASS A-5 INLET	348.92	STD. HOWARD CTY. DETAIL, DRWG. 64-A
6	CLASS A-5 INLET	348.92	STD. HOWARD CTY. DETAIL, DRWG. 64-A
7	DOUBLE 10' INLET	348.00	STD. HOWARD CTY. DETAIL, DRWG. D/4.28
8	SPECIAL "A" INLET	347.00	SEE DETAIL
9	TYPE "C" ENDWALL *	—	STD. HOWARD CTY. FOR 15" PIPE, DRWG. D-52
10	SPECIAL "A" INLET	344.00	SEE DETAIL
11	SPECIAL "A" INLET	345.50	SEE DETAIL
12	SPECIAL "B" INLET	345.90	SEE DETAIL
13	SPECIAL "A" INLET	346.20	SEE DETAIL
14	SPECIAL "A" INLET	344.50	SEE DETAIL
15	SPECIAL "A" INLET	345.00	SEE DETAIL

* WITH GROUTED RIP-RAP APRON - SEE PROFILE

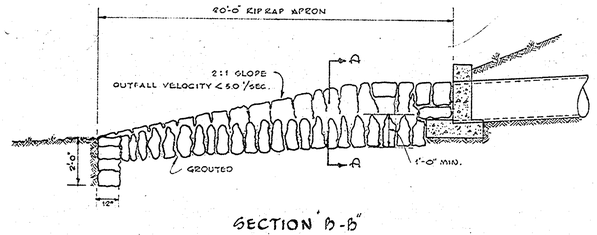
GENERAL NOTES FOR STRUCTURES.

1. WALL THICKNESS OF STRUCTURES SHALL BE INCREASED TO 18" AT DEPTH GREATER THAN 6'-0".
2. PROVIDE STD C.I. MANHOLE STEPS, STAGGERED AT 1'-9" O.C. AT ALL STRUCTURES DEEPER THAN 3'-0".
3. ALL EXPOSED PORTIONS OF GRATES, FRAMES AND CHANNELS ARE TO RECEIVE 2 COATS OF AN APPROVED PAINT.

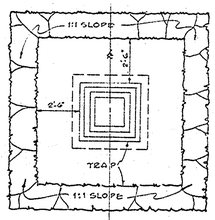


STORM DRAIN PROFILES

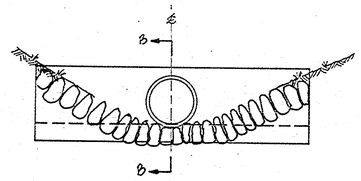
SCALE: HORZ. 1" = 50', VERT. 1" = 5'



SECTION "B-B"



TYPICAL PLAN

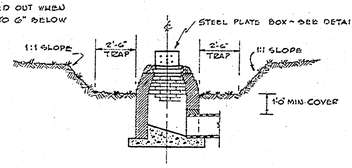


ELEVATION & SECTION "A-A"

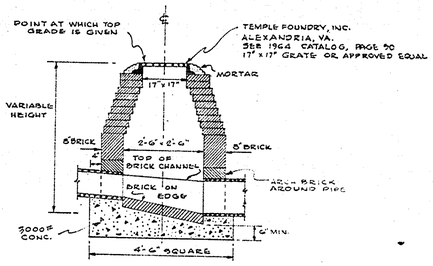
CONCRETE ENDWALL & RIP-RAP APRON

NOT TO SCALE

NOTE: TRAP TO BE CLEANED OUT WHEN SILT LEVEL RISES TO 6" BELOW TOP OF FRAME.



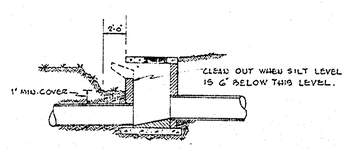
TYPICAL SECTION



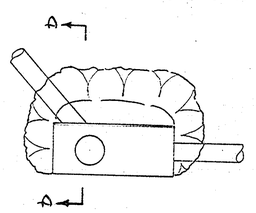
SPECIAL "A" GRATE INLET

SCALE: 1/2" = 1'-0"

NOTE: SPECIAL TYPE "B" GRATE INLET IS SIMILAR HOWEVER USE 24" x 24" GRATE SHOWN IN CATALOG OF TEMPLE FOUNDRY, ALEXANDRIA, VA., PAGE 56 WITH 1" BAR WIDTH AND 3/4" OPENING. BRICK OPENING OF STRUCTURE HAS TO BE ADJUSTED ACCORDINGLY.



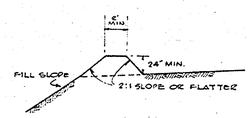
CROSS-SECTION A-A



PLAN VIEW

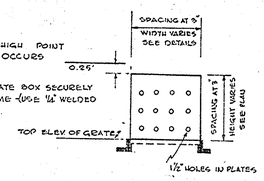
TEMPORARY SILT TRAP FOR CURB INLETS

(TYPICAL)



TYPICAL SECTION THROUGH DIVERSION DIKE

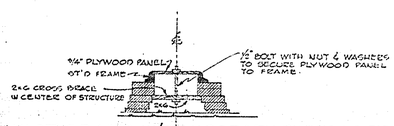
NO SCALE



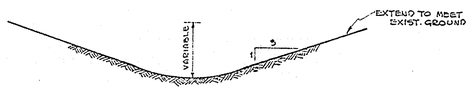
DETAIL OF STEEL PLATE BOX

SILT TRAP FOR YARD DRAIN

NO SCALE

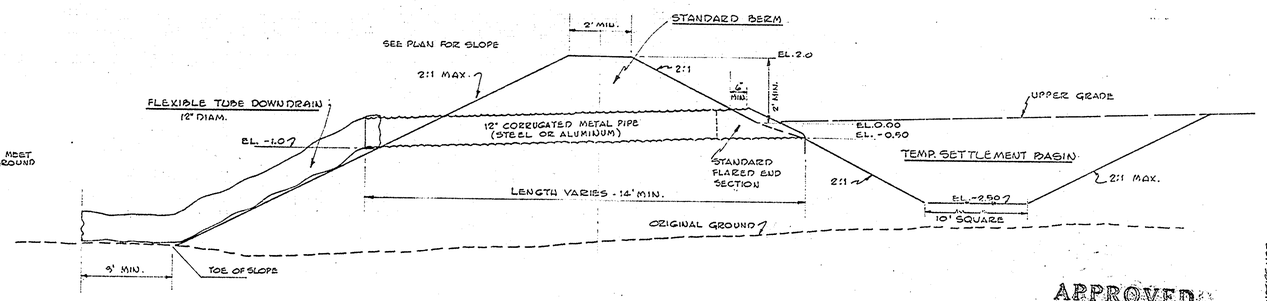


INLET FRAME W/TEMPORARY PLYWOOD TOP FOR SEDIMENT CONTROL



SECTION OF OUTFALL DITCH

NO SCALE



TYPICAL SECTION

SLOPE DRAIN FOR TEMPORARY ROUTING OF STORM WATER FLOW OVER CUT & FILL SLOPES.

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE MARCH 8, 1972
Thomas G. Harris

REV. PER. CO. 2200 REVISED STRUCTURE 1057
REV. PER. CO. 1972 TO COMPLY WITH REVIEW COMMENTS.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT — DATE 4/17/1972

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING — DATE 4-17-72

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS — DATE 4/13/72
CHIEF, BUREAU OF HIGHWAYS

DIRECTOR — DATE

JOHANNES & MURRAY & ASSOCIATES
REGISTERED ARCHITECTS
ARCHITECTURAL & ENGINEERING
SILVER SPRING, MD. 589-3732
ELECTRICAL & ELEVATOR
589-1055
MECHANICAL
589-1055
ELECTRICAL
589-3255
STRUCTURAL
589-3255
SITE
622-2337
ASSOC. SITE ENGINEERS INC.

DUNLOGGIN MIDDLE SCHOOL
MARYLAND
HOWARD COUNTY, MARYLAND
ELLICOTT CITY
DEPARTMENT OF EDUCATION
DR. M. THOMAS GODEKER

DRAWING TITLE: STORM DRAINAGE PROFILES & DETAILS

JOB NO. 650

SHEET NO. PS-3 of 4

LEGEND

EXISTING CONTOURS — 340 —

DESIGN CONTOURS — 40 —

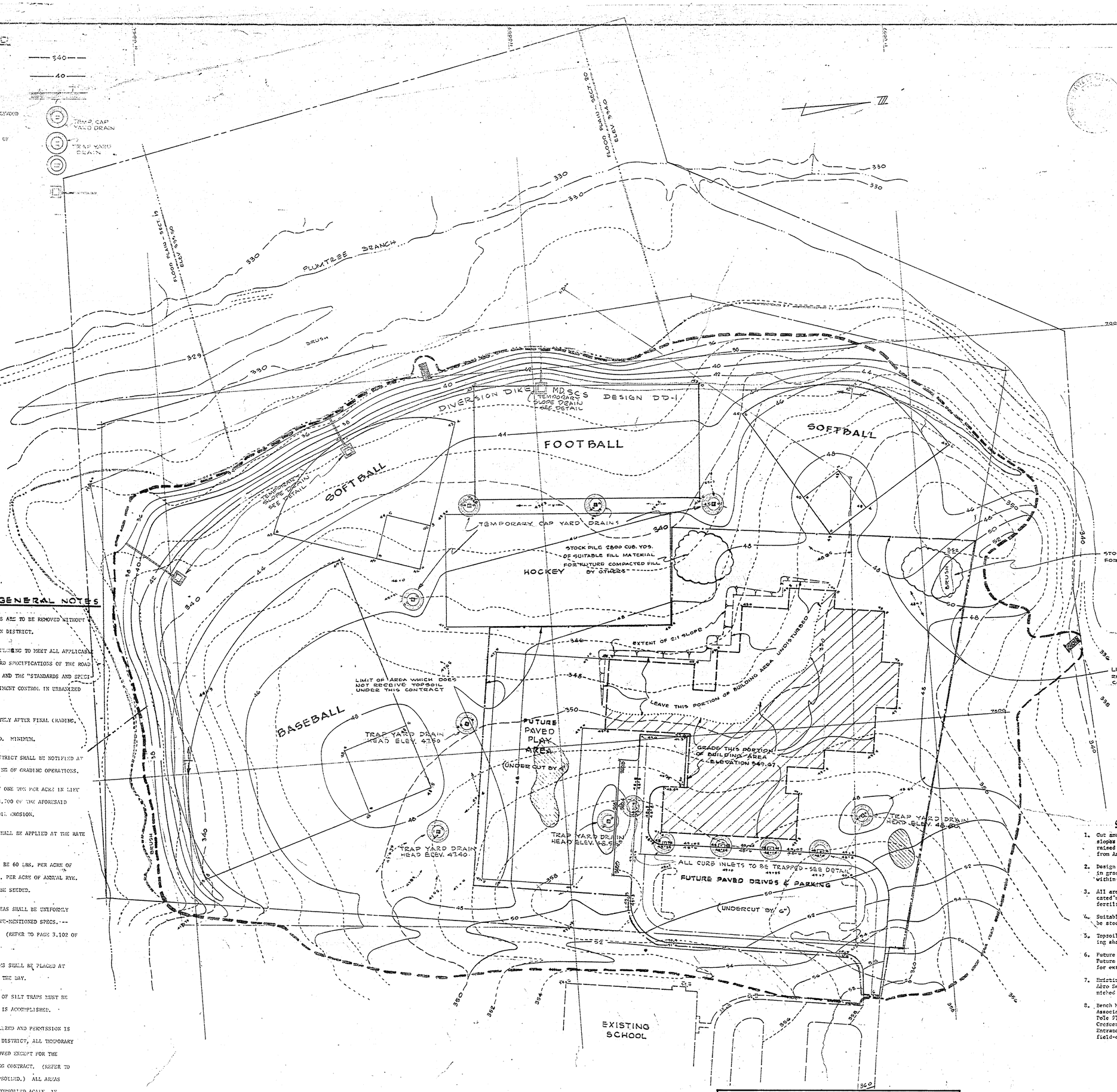
TEMPORARY DIVERSION DIKE

INLET TEMPORARILY CAPPED WITH PLYWOOD INSTEAD OF GRATE — TEMP CAP YARD DRAIN

GRATE INLET TRAPPED. ELEVATION OF POSSIBLE HEAD IS NOTED — TRAP YARD DRAIN

CURB INLET TRAPPED

TEMPORARY SLOPE DRAIN



SEDIMENTATION & GENERAL NOTES

1. NO TEMPORARY SEDIMENTATION MEASURES ARE TO BE REMOVED WITHOUT PERMISSION BY THE SOIL CONSERVATION DISTRICT.
2. GRADING, TOPSOILING, SEEDING AND MULCHING TO MEET ALL APPLICABLE REQUIREMENTS OF THE CURRENT STANDARD SPECIFICATIONS OF THE ROAD CONSTRUCTION CODE OF HOWARD COUNTY AND THE "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN URBANIZED AREAS.".
3. SEEDING IS TO BE PERFORMED IMMEDIATELY AFTER FINAL GRADING.
4. TOPSOIL DEPTH SHALL BE 4" COMPACTED. MINIMUM.
5. HOWARD COUNTY SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED AT LEAST 24 HOURS PRIOR TO THE BEGINNING OF GRADING OPERATIONS.
6. LIME SHALL BE SPREAD AT THE RATE OF ONE TON PER ACRE IN LIEU OF THE REQUIREMENTS GIVEN ON PAGE 3.700 OF THE AFORESAID STANDARDS AND SPECIFICATIONS FOR SOIL EROSION.
7. FERTILIZER 10-10-10 OR EQUIVALENT SHALL BE APPLIED AT THE RATE OF 500 LBS. PER ACRE.
8. MIXTURE FOR PERMANENT SEEDING SHALL BE 60 LBS. PER ACRE OF KENTUCKY #31 TALL FESCUE AND 10 LBS. PER ACRE OF ANNUAL RYE. REFER TO GRADING PLAN FOR AREAS TO BE SEEDED.
9. IMMEDIATELY AFTER SEEDING, THESE AREAS SHALL BE UNIFORMLY MULCHED--REFER TO PAGE 3.101 OF ABOVE-MENTIONED SPECS.--- ASPHALT MULCH TIE-DOWN IS REQUIRED. (REFER TO PAGE 3.102 OF ABOVE-MENTIONED SPECS.)
10. AT ALL FILL SLOPES CONSTRUCTION BERMS SHALL BE PLACED AT EACH LIFT, ESPECIALLY AT THE END OF THE DAY.
11. PERIODIC INSPECTION AND MAINTENANCE OF SILT TRAPS MUST BE PROVIDED TO INSURE INTENDED PURPOSE IS ACCOMPLISHED.
12. AFTER THE DISTURBED AREAS ARE STABILIZED AND PERMISSION IS RECEIVED FROM THE SOIL CONSERVATION DISTRICT, ALL TEMPORARY SEDIMENTATION MEASURES SHALL BE REMOVED EXCEPT FOR THE FACILITIES WITHIN THE FUTURE BUILDING CONTRACT. (REFER TO GRADING PLAN FOR LIMIT NOT TO BE TOPSOILED.) ALL AREAS DISTURBED BY SUCH REMOVAL SHALL BE TOPSOILED AGAIN, IF NECESSARY, AND SEEDED.
13. FOR DETAILS OF SEDIMENT CONTROL STRUCTURES, REFER TO DRAWING SP-3.
14. TEMPORARY SLOPE DRAIN SHALL BE INSTALLED AT THE COMPLETION OF EACH DAY'S FILLING AND GRADING OPERATION AND SHALL BE USED UNTIL THE DIVERSION DIKE IS REMOVED.

SCALE: 1" = 50'

CERTIFICATE

I CERTIFY THAT THE PLAN OF DEVELOPMENT AND THE PLAN FOR CONTROL OF SILT AND EROSION MEET THE REQUIREMENTS, STANDARDS, AND SPECIFICATIONS OF HOWARD COUNTY SOIL CONSERVATION DISTRICT.

(SEAL)

SIGNATURE — DATE

I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN OF SILT AND SEDIMENT CONTROL.

SIGNATURE — DATE 2/3/72

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

REVIEWED

DISTRICT CONSERVATIONIST — DATE 3-21-72

APPROVED

HOWARD COUNTY SOIL CONSERVATION DISTRICT — DATE 3-21-72

LEGEND

EXISTING CONTOURS — 350 —

DESIGN CONTOURS (REFER TO NOTE # 6) — 350 —

LIMIT OF GRADING

LIMIT OF AREA WHICH DOES NOT RECEIVE TOPSOIL OR NOR SEEDING

CONTROL TRAVERSE & STATIONS WITH EXISTING ELEVATIONS

2:1 SLOPE FOR TRANSITION FROM GRADED AREAS TO UNDISTURBED BUILDING AREA

FLOOD PLAIN SECTIONS AS OBTAINED FROM DEPT. OF PUBLIC WORKS AND PREPARED BY WHITMAN & REQUARDT

FLOOD PLAIN LIMIT (50 YR.)

GENERAL NOTES

1. Cut and fill shall be balanced on site. Extent of slopes and/or levels of grass play areas may be raised or lowered to achieve this, however permission from Architect must be obtained.
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APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER — DATE Apr 17 1972

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

PLANNING DIRECTOR — DATE 4-17-72

CHIEF, DIVISION OF LAND DEVELOPMENT — DATE 4-17-72

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

DIRECTOR — DATE 4/3/72 — CHIEF, BUREAU OF HIGHWAYS — DATE 4/3/72

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE MARCH 8 1972

FISHER CHERRY & CARTER, INC. REV. 2/20/09

REV. FEB. 26, 2009 REVISED TO EXPAND EXISTING PARKING LOT
REV. FEB. 8, 1972 TO COMPLY WITH REVIEW COMMENTS.
REV. JAN. 19, 1972 TO AVOID GRADING IN FLOOD PLAIN

JOHANNES & MURRAY & ASSOCIATES
REGISTERED ARCHITECTS
ARCHITECTURE, ENGINEERING, PLANNING
STRUCTURAL ENGINEERS
MECHANICAL ENGINEERS
ELECTRICAL ENGINEERS
CIVIL ENGINEERS
LANDSCAPE ARCHITECTS
JOHN R. JOHANNES, JR.
FEL. LUTZ
MARVIN R. MURRAY
ASSOCIATED ENGINEERS, INC.

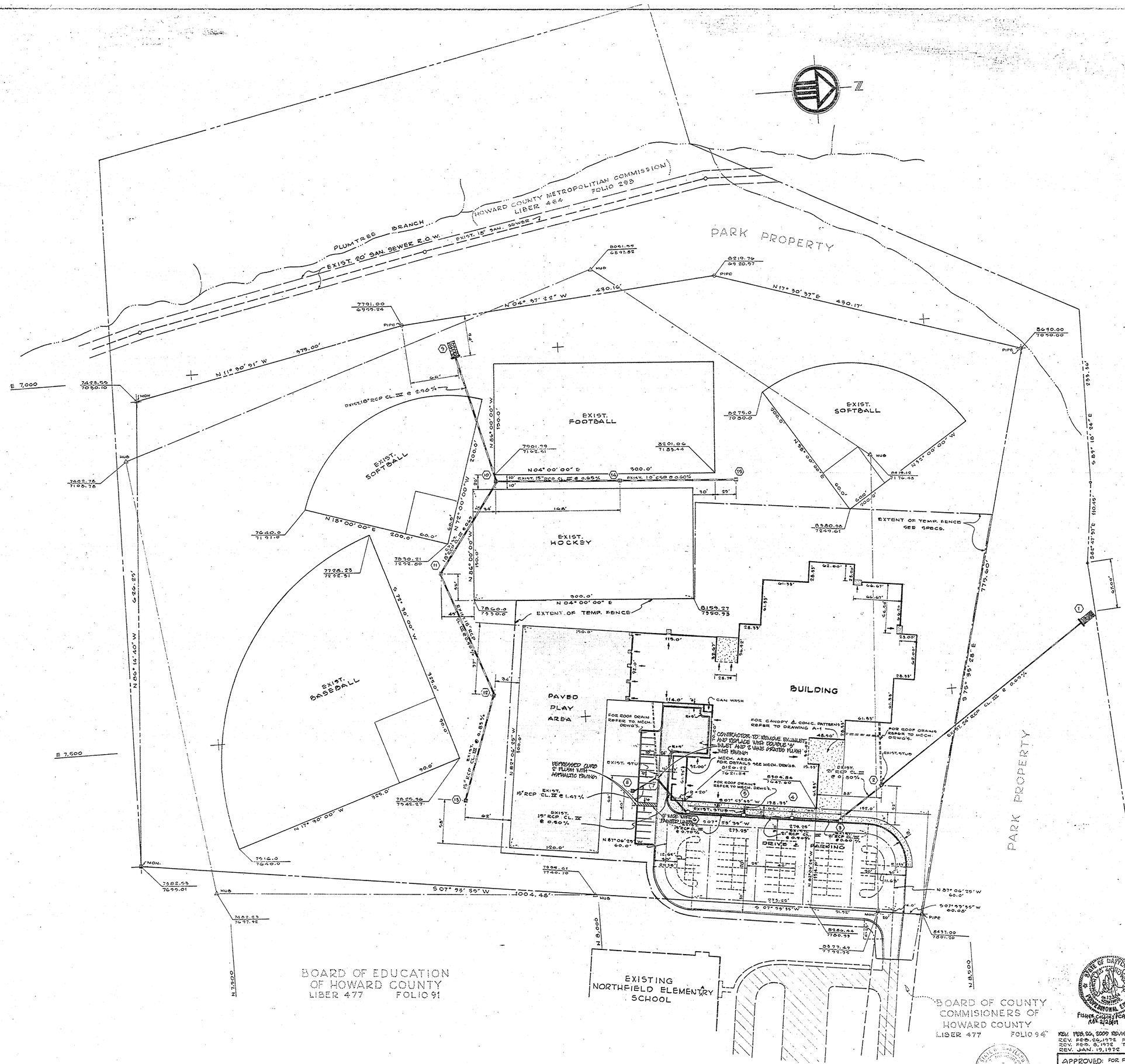
DUNLOGGIN MIDDLE SCHOOL
MARYLAND
ELLICOTT CITY
HOWARD COUNTY, MARYLAND
SEDIMENT CONTROL PLAN

JOB NO. 69

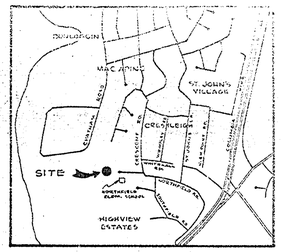
SHEET NO. PS - 4

4 OF 6

GDP-72-2



SCALE: 1" = 50'



VICINITY MAP
SCALE: 1" = 1000'

LEGEND

- PROPERTY LINE
- BUILDING
- CONC. CURB & GUTTER
- BIT. CONC. PAVING
- ROOF DRAINS (SEE MECH. DRWGS)
- EXIST. STORM DRAINAGE STRUCT. & PIPES.
- CONTROL TRAVERSE
- EXISTING PAVING
- EXTENT OF TEMP. FENCING & LIMIT OF THIS CONTRACT EXCLUDING UTILITIES. (REFER TO MECH. DRWG'S)

NOTES:

1. REFER TO GRADING PLAN G-2 FOR GRADING, LIMITS OF TOPSOILING AND SODDING UNDER THIS CONTRACT.
2. REFER TO DRWG. A-1 FOR ADDITIONAL LAY-OUT DIMENSIONS, DETAILS AND EXTENT OF SPECIAL CONCRETE TREATMENT.
3. SET OF PRELIM. SITE PREPARATION DRWG'S. IS AVAILABLE AT THE ARCHITECT FOR REFERENCE.
4. FOR EXTENT OF SAN. SEWER, WATER, GAS & ELECTRIC SERVICES REFER TO MECH. DRWGS.

AREA OF SITE: 20.00 ACRES

DEED REFERENCE: LIBER 587 ; FOLIO 152

TAX MAP:

ELECTION DISTRICT: 2ND.

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE MARCH 8, 1972
Thomas G. Harris, Jr.

APPROVED
OFFICE OF PLANNING
AND ZONING
HOWARD COUNTY
DATE

REV. FEB. 26, 2009 REVISED TO EXPAND EXISTING PARKING LOT
REV. FEB. 26, 1972 FOR BUILDING CONTRACT.
REV. FEB. 8, 1972 TO COMPLY WITH REVIEW COMMENTS.
REV. JAN. 19, 1972 TO AVOID GRADING IN FLOOD PLAIN.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER — Apr 17 1972 DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
DIRECTOR — 4-17-72 DATE
CHIEF ENGINEER, DIVISION OF LAND DEVELOPMENT — 4-17-72 DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND ROADS.
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR: DATE — CHIEF, BUREAU OF HIGHWAYS, DATE 4/3/72

F.T. NORCROSS
PROF. ENGINEER & LAND SURVEYOR
701 (MD)
DATE: JANUARY 10, 1972

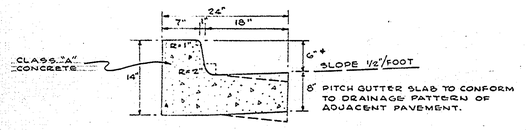
FISHER, COLLINS & CARTER, INC.
REG. 2/28/01

JOHANNES & MURRAY & ASSOCIATES
ARCHITECTS
CIVIL & SANITARY ENGINEERS
810 PASSMORE DRIVE
SILVER SPRING, MD 20910-3938
JAMES B. SULLIVAN, JR.
STRUCTURAL 301-585-0
MECHANICAL 301-585-0
ELECTRICAL 301-585-0
R.L. LUTZ
MARVIN C. FELDMAN
ASSOCIATES KIRKLAND INC.
ARCHITECTS
GISKA
DRAWN: VAN
TRACED: TANG
DATE: APRIL 1972

DUNLOGGIN MIDDLE SCHOOL
ELLICOTT CITY
MARYLAND
HOWARD COUNTY, MARYLAND
FOR THE BOARD OF EDUCATION
DR. R. THOMAS GUILFORD
SUPERINTENDENT OF SCHOOLS
LAYOUT PLAN
EST. NO. 127-2-41-0-2-0-P

JOB NO. 650
SHEET NO. G-1
5 OF 6

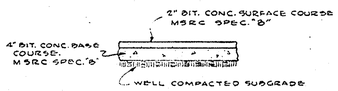
SDP-72-62



*NOTE: 6" NORMAL: MAY VARY FROM 5" TO 8" WHERE CALLED FOR ON DRAWING.

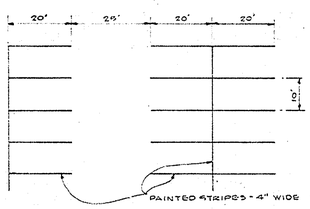
CONCRETE CURB & GUTTER

SCALE: 1" = 1'-0"

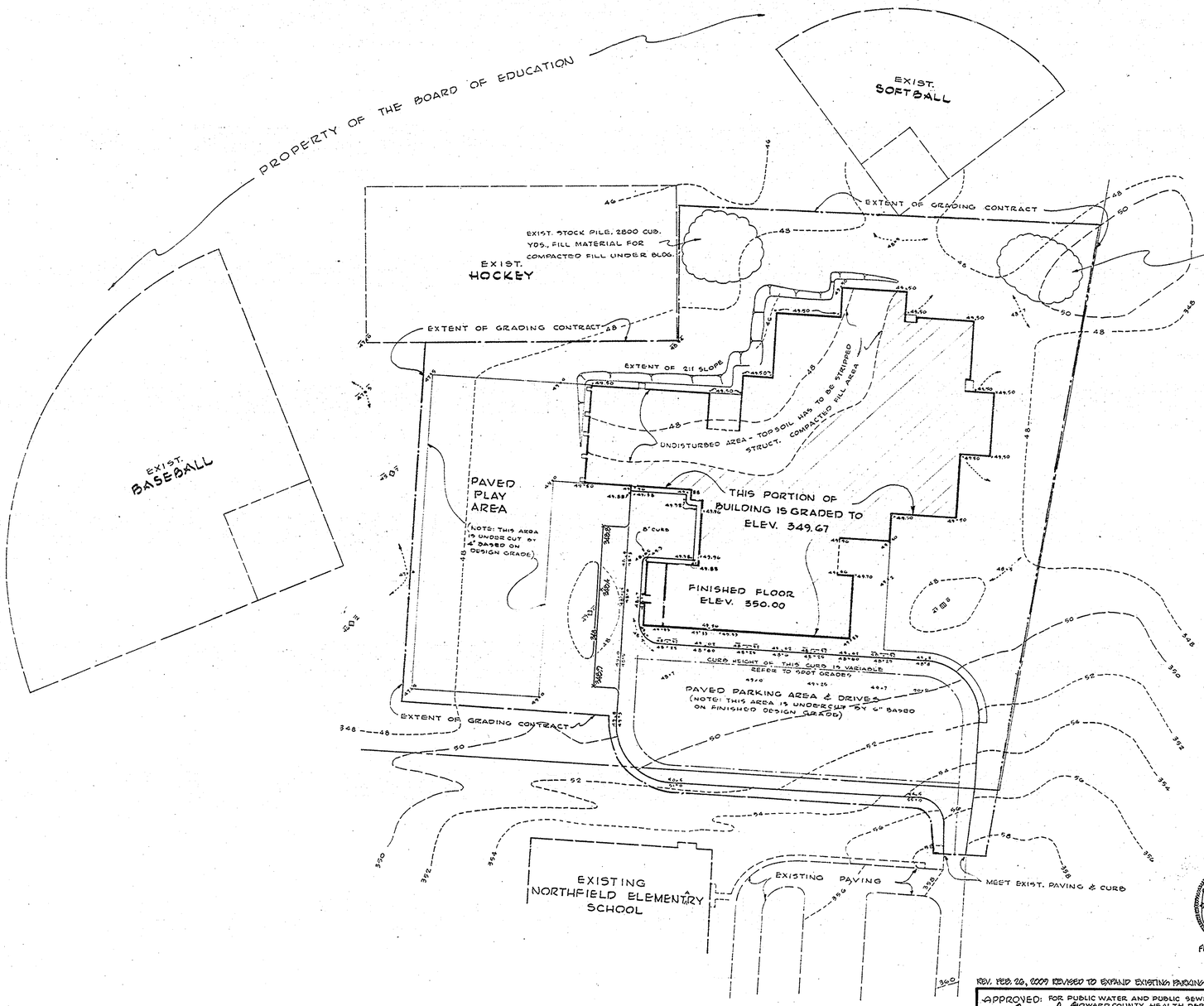


PAVING SECTION
(FOR DRIVES & PARKING AREA)
NO SCALE

PAVING SECTION
(FOR PAVED PLAY AREA)
NO SCALE



PARKING LAYOUT DETAIL
SCALE: 1" = 20'



SCALE: 1" = 50'

LEGEND

EXISTING SPOT GRADES*	27.5
DESIGN SPOT GRADES	48.5
EXTENT OF GRADING CONTRACT**	
EXISTING CONTOURS*	60
EXISTING 2:1 SLOPE FROM GRADED TO EXISTING UNDISTURBED AREA.	
EXIST. STORM DRAIN STRUCTURES	

* BASED ON PRE-GRADING CONTRACT.

** NOTE THAT NO TOPSOIL HAS BEEN SPREAD WITHIN THIS AREA.

NOTES:

1.) SITE HAS BEEN PRE-GRADED (SEE SPECS) EXPECTED TOLERANCE OF PRE-GRADING: 0.50'±.

2) FOUR INCHES OF TOPSOIL HAS TO BE SPREAD OVER ALL UNPAVED AREAS WITHIN LIMIT OF GRADING SHOWN. 2600 CUB. YDS. OF TOPSOIL IS STOCKPILED WHERE SHOWN.

3.) ALL TOPSOILED AREAS TO BE LIMED, FERTILIZED AND SODDED.

4.) ANY AREA OUTSIDE OF THIS GRADING CONTRACT DISTURBED BY THE CONTRACTOR HAS TO BE TOPSOILED AND SODDED. (THIS REFERS ESPECIALLY TO UTILITIES)

5.) REFER TO STRUCT. DRAWINGS & SPECS. FOR COMPACTED FILL UNDER BUILDING. MATERIAL HAS BEEN STOCKPILED WHERE SHOWN.

6.) NOTE THAT PAVED AREAS HAVE BEEN UNDER CUT. AMOUNT IS SHOWN ON DRAWINGS.

7.) EXIST. SEDIMENT FEATURES WITHIN LIMITS OF THIS CONTRACT WILL HAVE TO BE REMOVED WHEN AREA IS STABILIZED. PERMISSION FROM S.C.S WILL HAVE TO BE OBTAINED.

8.) PITCH GUTTER AWAY FROM CURB WHERE REQUIRED BY DRAINAGE PATTERN.

9.) MATERIAL AND WORKMANSHIP FOR GRADING, SODDING AND PAVING WORK TO MEET THE APPLICABLE REQUIREMENTS OF THE ROAD CONSTRUCTION CODE AND STD. SPECS. OF HOWARD COUNTY.

10.) REFER TO DRAWING A-1 FOR ADDITIONAL SPOT GRADES.

11.) THIS CONTRACTOR SHALL CHECK KEY GRADE POINTS PRIOR TO PROCEEDING WITH CONSTRUCTION. IF ANY DISCREPANCIES ARE NOTED, ARCHITECT SHALL BE ADVISED IMMEDIATELY SO THAT CORRECTIVE MEASURES CAN BE STARTED.

12.) PREFIX OF 3 MAY HAVE TO BE ADDED TO SOME SPOT GRADES AND CONTOURS.

13.) EXISTING GRADES WITHIN THIS CONTRACT, EXCEPT FOR UNDERCUT AREAS, ARE GRADED 4" BELOW DESIGN GRADE. (SEE NOTE # 1 - REI. EXPECTED TOLERANCE). TO ALLOW FOR TOPSOIL SPREADING.

APPROVED
OFFICE OF PLANNING AND ZONING OF HOWARD COUNTY
DATE

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE MARCH 8, 1972

STATE OF MARYLAND REGISTERED PROFESSIONAL ENGINEER
FISHER COLLINS & CARTER INC.
REV. 2/26/79

REV. FEB. 26, 1979 REVISED TO EXPAND EXISTING PARKING LOT

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER	Apr 17 1972 DATE
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING	
PLANNING DIRECTOR	4-17-72 DATE
CHIEF, DIVISION OF LAND DEVELOPMENT	4-17-72 DATE

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

DIRECTOR: DATE	CHIEF, BUREAU OF HIGHWAYS, DATE 3/31/72

JOHANNES & MURRAY & ASSOCIATES
REGISTERED ARCHITECTS
ARCHITECTURE, STRUCTURE, CIVIL, ELECTRICAL, MECHANICAL ENGINEERING
JAMES E. SULLIVAN, JR. — A. LUTZ — MARK C. FULFORD — ASSOCIATED ENGINEERS, INC.

DUNLOGGIN MIDDLE SCHOOL

ELLICOTT CITY, MARYLAND
HOWARD COUNTY, MARYLAND
FOR THE BOARD OF EDUCATION
DR. M. THOMAS GOEBLE, SUPERINTENDENT OF SCHOOLS

GRADING PLAN

JOB NO. 650

SHEET NO. G-2

6 OF 6

3DR-77-62