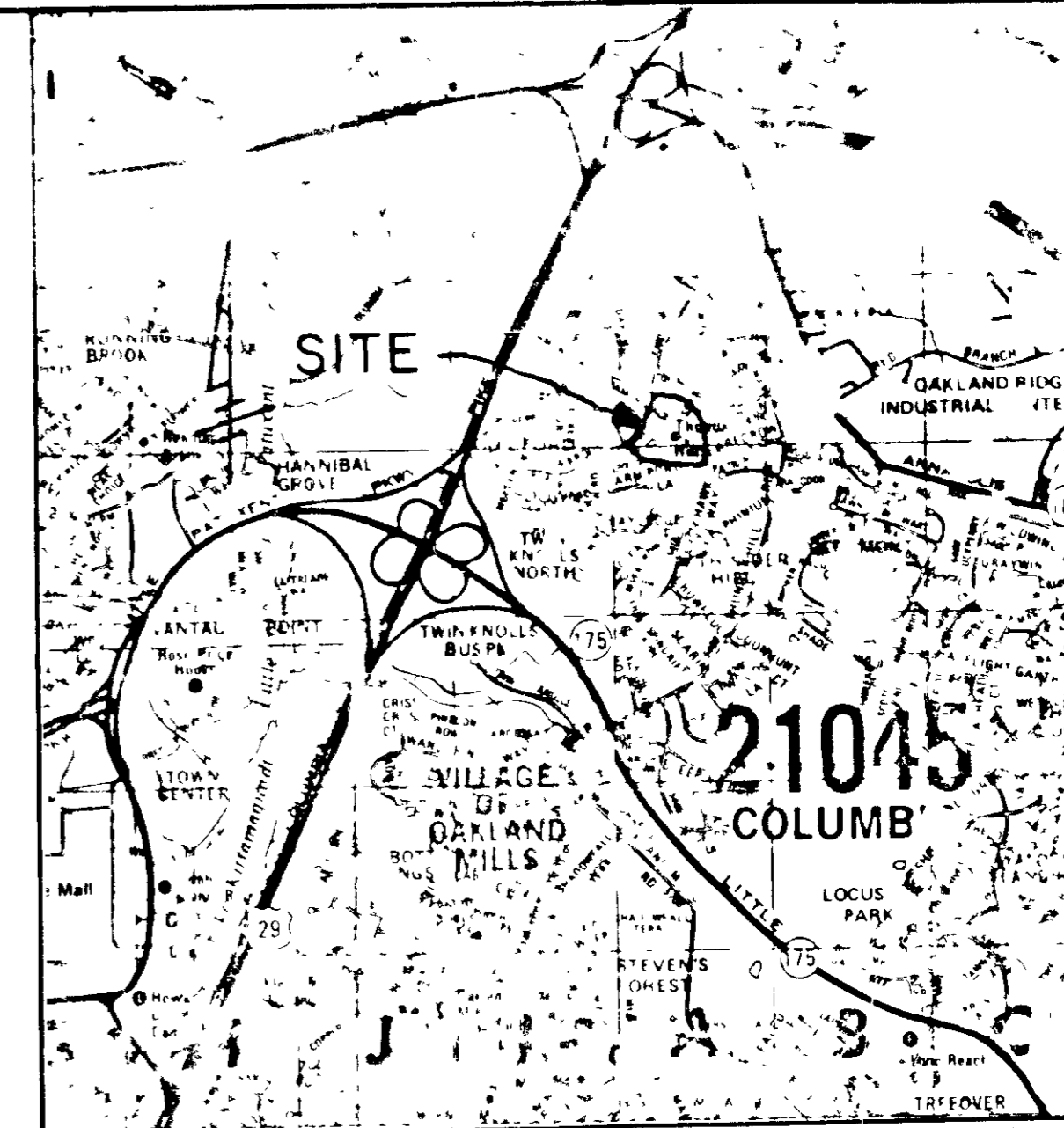


THUNDER HILL ELEM. SCHOOL



VICINITY MAP
SCALE 1"=2000'

CONSULTANTS
CIVIL ENGINEER
KENNEDY, PORTER & ASSOC
2310 MARYLAND AVE
BALTIMORE, MD 21218
STRUCTURAL ENGINEER
HORABITO CONSULTANTS, INC
2510 N. CALVERT ST
BALTIMORE, MD 21218
MECHANICAL/ELECTRICAL
MOORE/LEWIS INC
2435 N. CALVERT ST
BALTIMORE, MD 21218

Schamu Machowski Doo & Associates Architects

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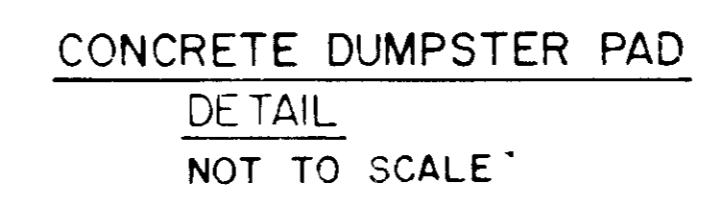
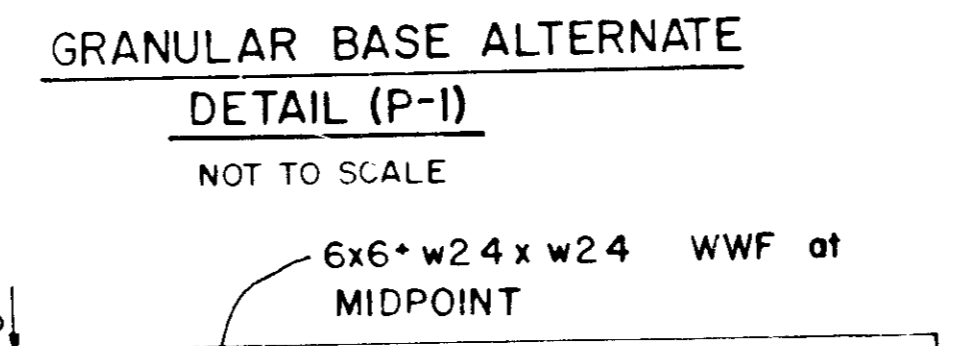
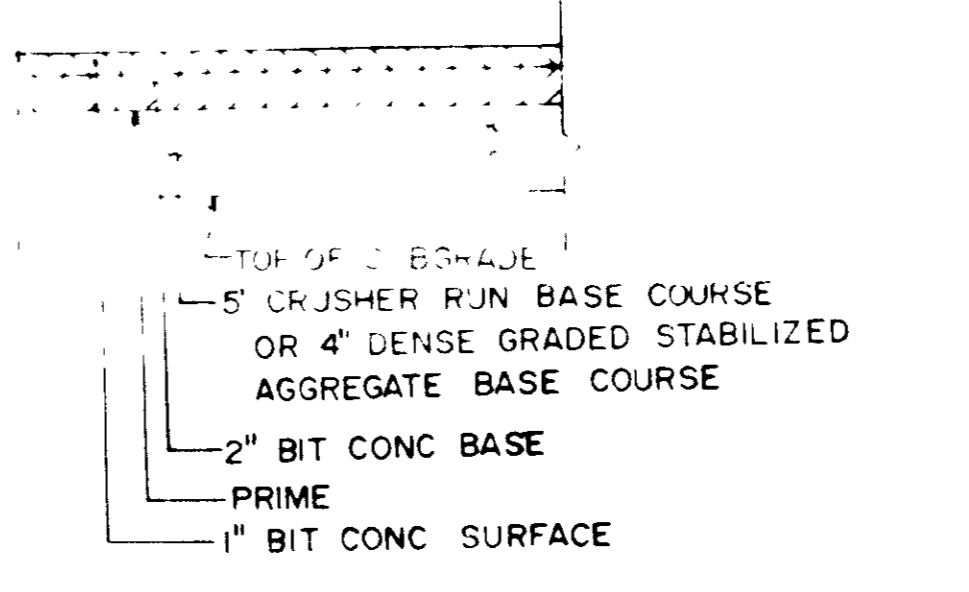
REVISIONS

SCALE 1"=20'
JOB NO 88-077

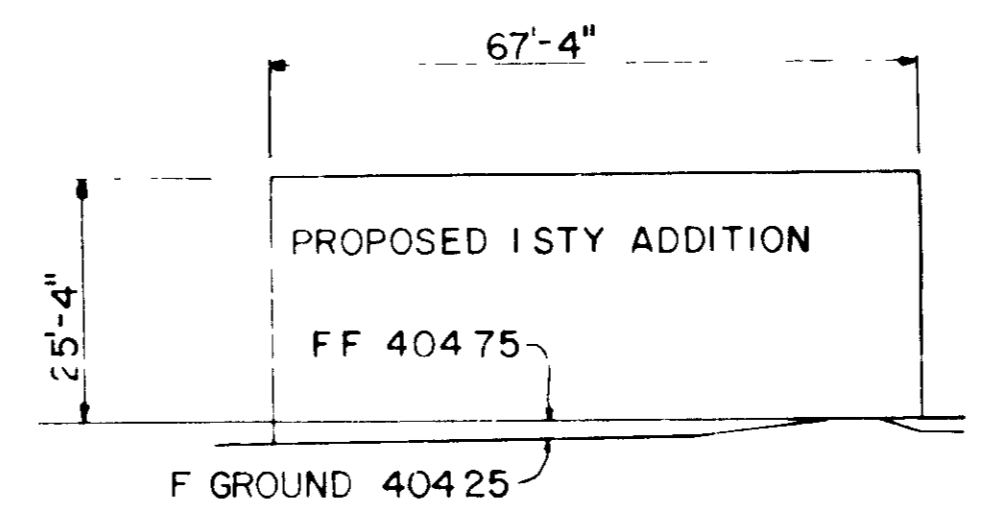
TITLE SITE PLAN
SHEET NO 1 OF 4

C-1

SDP 89-18



- SITE PLAN NOTES
1. ALL CONSTRUCTION SHALL CONFORM TO THE ORDINANCES OF HOWARD COUNTY DESIGN MANUALS, VOLUMES I & II.
 2. NEW PAVING SHALL BE CONCRETE TO MATCH EXISTING ADJACENT DRIVE AND SHALL BE IN ACCORDANCE WITH SDP 89-18.
 3. LOCATION OF EXISTING UTILITIES SHOWN ARE APPROXIMATE, VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION AND PRIOR TO THE BEGINNING OF CONSTRUCTION IN THE VICINITY OF SAID UTILITIES.
 4. DRAINAGE AND EROSION CONTROL SHALL BE PROVIDED BY THE CONTRACTOR TO PREVENT EROSION AND TO PROTECT EXISTING UTILITIES.



OWNER
HOWARD COUNTY BOARD OF EDUCATION
10910 ROUTE 108
ELLCOTT CITY, MARYLAND 21043
(301) 922-0500
MR HENRY HORNUNG

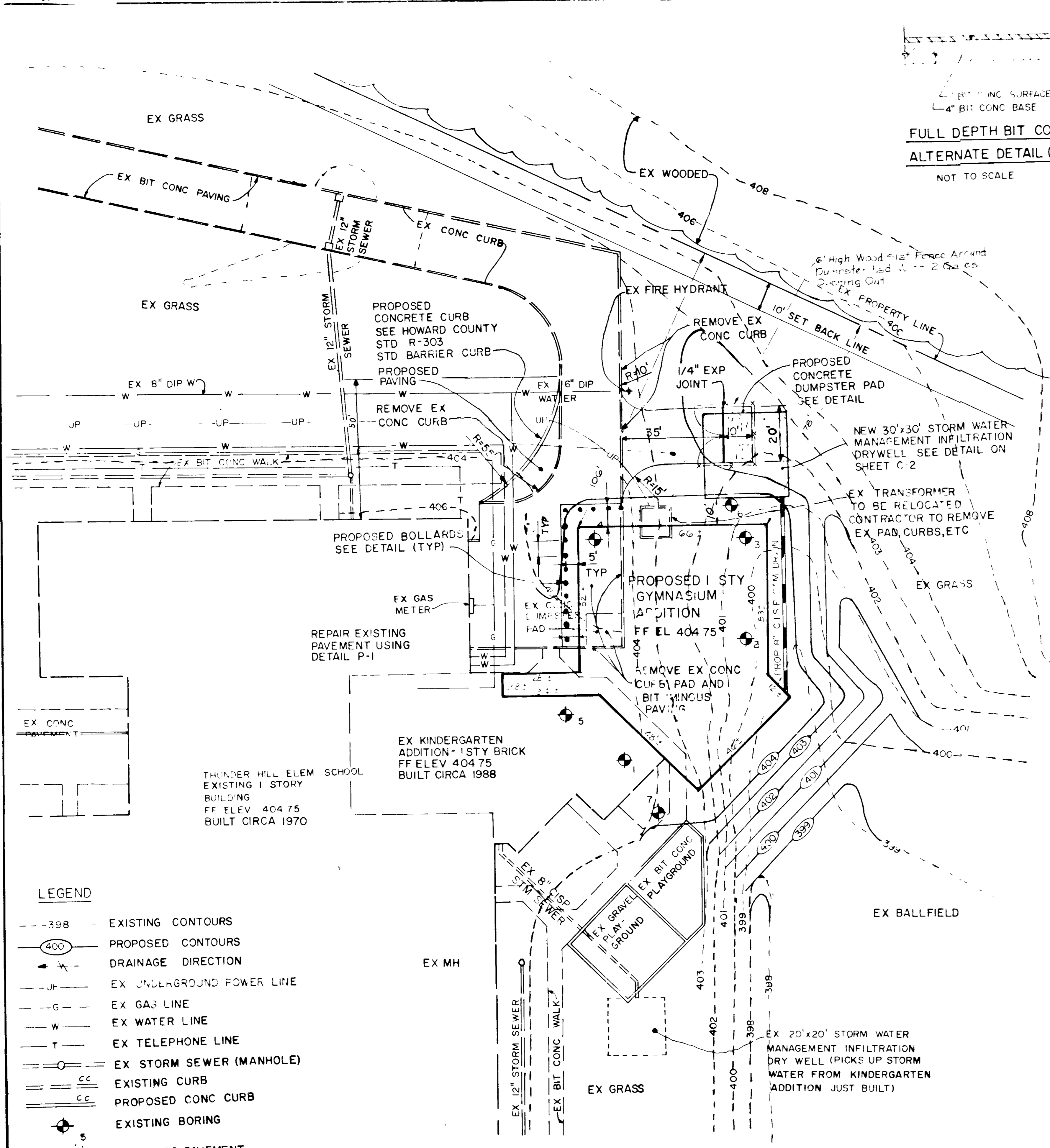
PARCEL NUMBER	STREET ADDRESS
P 206	9357 MELLENBROOK ROAD

PROPERTY NAME	SETBACK AREA	LOT AREA	PARCEL #
THUNDER HILL ELEM. SCHOOL	1/2		PARCEL 206

PLAT #	DATE	ZONE	TAX/ZONE MAP	ELEC DIST	CENS TR
392/732	16	R-20	30	6	606801

8-18-88
LKS

9/19/88
15476



- LEGEND
- - -398 - EXISTING CONTOURS
 - (400) PROPOSED CONTOURS
 - > DRAINAGE DIRECTION
 - JF --- EX UNDERGROUND POWER LINE
 - G --- EX GAS LINE
 - W --- EX WATER LINE
 - T --- EX TELEPHONE LINE
 - O --- EX STORM SEWER (MANHOLE)
 - CC --- EXISTING CURB
 - CC --- PROPOSED CONC CURB
 - S --- EXISTING BORING
 - P --- PROPOSED PAVEMENT
 - I --- PROPOSED SWM INFILTRATION DRY WELL

THUNDER HILL ELEM SCHOOL
EXISTING 1 STORY
BUILDING
FF ELEV 404.75
BUILT CIRCA 1970

EX KINDERGARTEN
ADDITION - 1STY BRICK
FF ELEV 404.75
BUILT CIRCA 1988

PROPOSED 1 STY
GYMNASIUM
ADDITION
FF EL 404.75

EX GRAVEL
PLAYGROUND

EX BALLFIELD

EX 20'x20' STORM WATER
MANAGEMENT INFILTRATION
DRY WELL (PICKS UP STORM
WATER FROM KINDERGARTEN
ADDITION JUST BUILT)

REPAIR EXISTING
PAVEMENT USING
DETAIL P-1

PROPOSED
CONCRETE CURB
SEE HOWARD COUNTY
STD R-303
STD BARRIER CURB

PROPOSED
CONCRETE
DUMPSTER PAD
SEE DETAIL

NEW 30'x30' STORM WATER
MANAGEMENT INFILTRATION
DRYWELL SEE DETAIL ON
SHEET C-2

EX TRANSFORMER
TO BE RELOCATED
CONTRACTOR TO REMOVE
EX PAD, CURBS, ETC

REMOVE EX CONC
CURB PAD AND
BIT CONC
PAVING

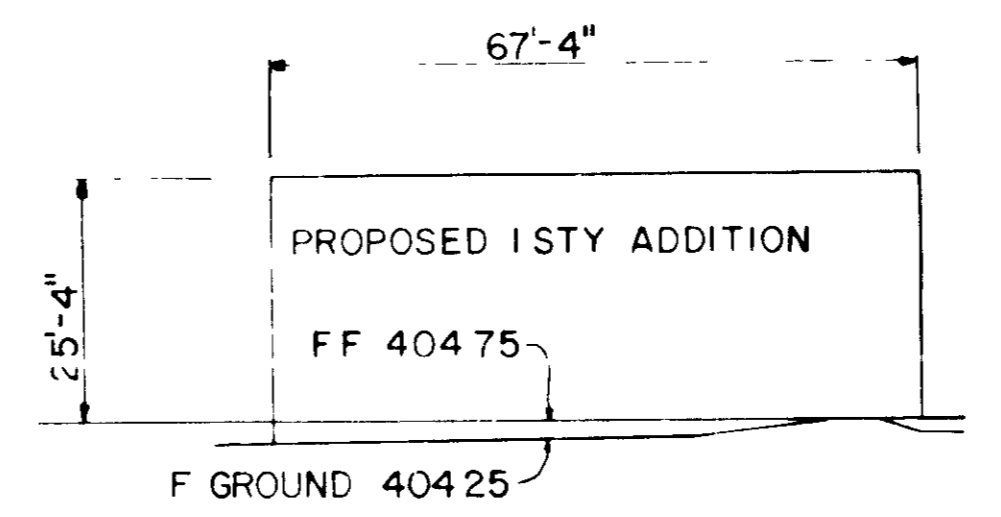
EX 20'x20' STORM WATER
MANAGEMENT INFILTRATION
DRY WELL (PICKS UP STORM
WATER FROM KINDERGARTEN
ADDITION JUST BUILT)

FULL DEPTH BIT CONC
ALTERNATE DETAIL (P-1)
NOT TO SCALE

GRANULAR BASE ALTERNATE
DETAIL (P-1)
NOT TO SCALE

CONCRETE DUMPSTER PAD
DETAIL
NOT TO SCALE

- SITE PLAN NOTES
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OWNER
HOWARD COUNTY BOARD OF EDUCATION
10910 ROUTE 108
ELLCOTT CITY, MARYLAND 21043
(301) 922-0500
MR HENRY HORNUNG

PARCEL NUMBER	STREET ADDRESS
P 206	9357 MELLENBROOK ROAD

PROPERTY NAME	SETBACK AREA	LOT AREA	PARCEL #
THUNDER HILL ELEM. SCHOOL	1/2		PARCEL 206

PLAT #	DATE	ZONE	TAX/ZONE MAP	ELEC DIST	CENS TR
392/732	16	R-20	30	6	606801

8-18-88
LKS

9/19/88
15476

THUNDER HILL ELEM. SCHOOL

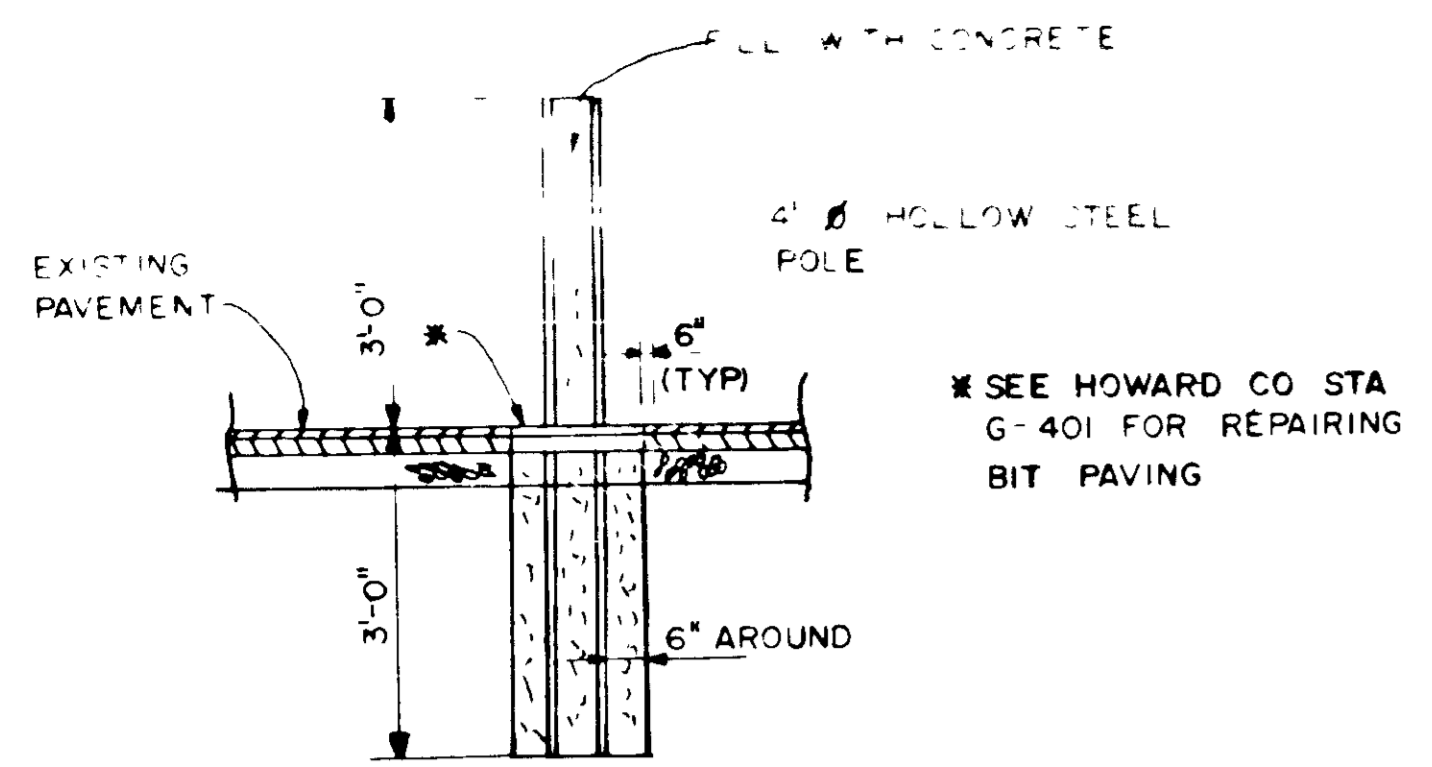
CONSULTANTS
 CIVIL ENGINEER
 KENNEDY PORTER & ASSOC
 2319 MARYLAND AVE
 BALTIMORE MD 21218
 STRUCTURAL ENGINEER
 MORABITO CONSULTANTS INC
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 BALTIMORE MD 21218

Schamu
 Machowski
 Doo &
 Associates
 Architects

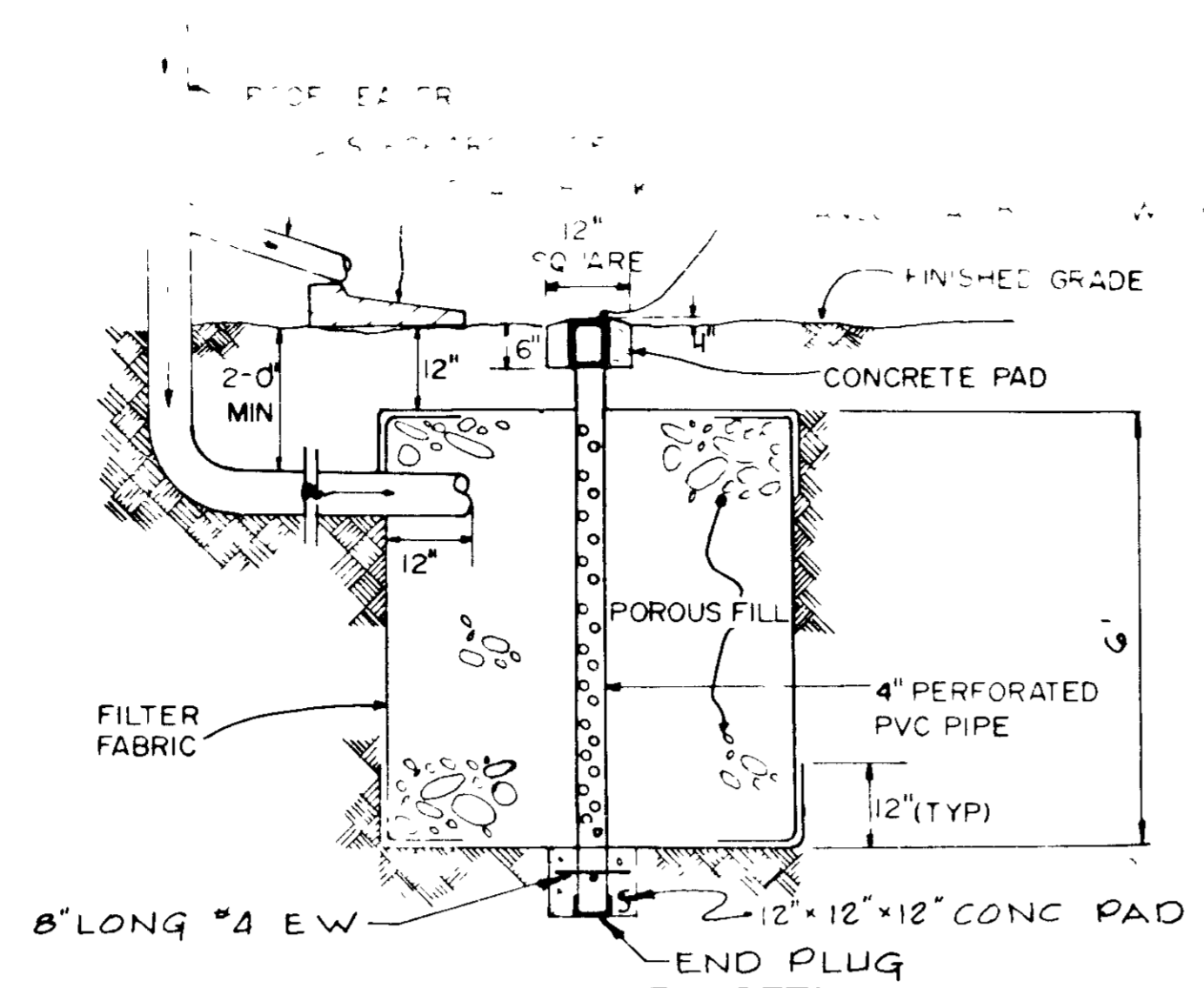
10' = 1" East
 10' = 1" North
 10' = 1" West
 10' = 1" South

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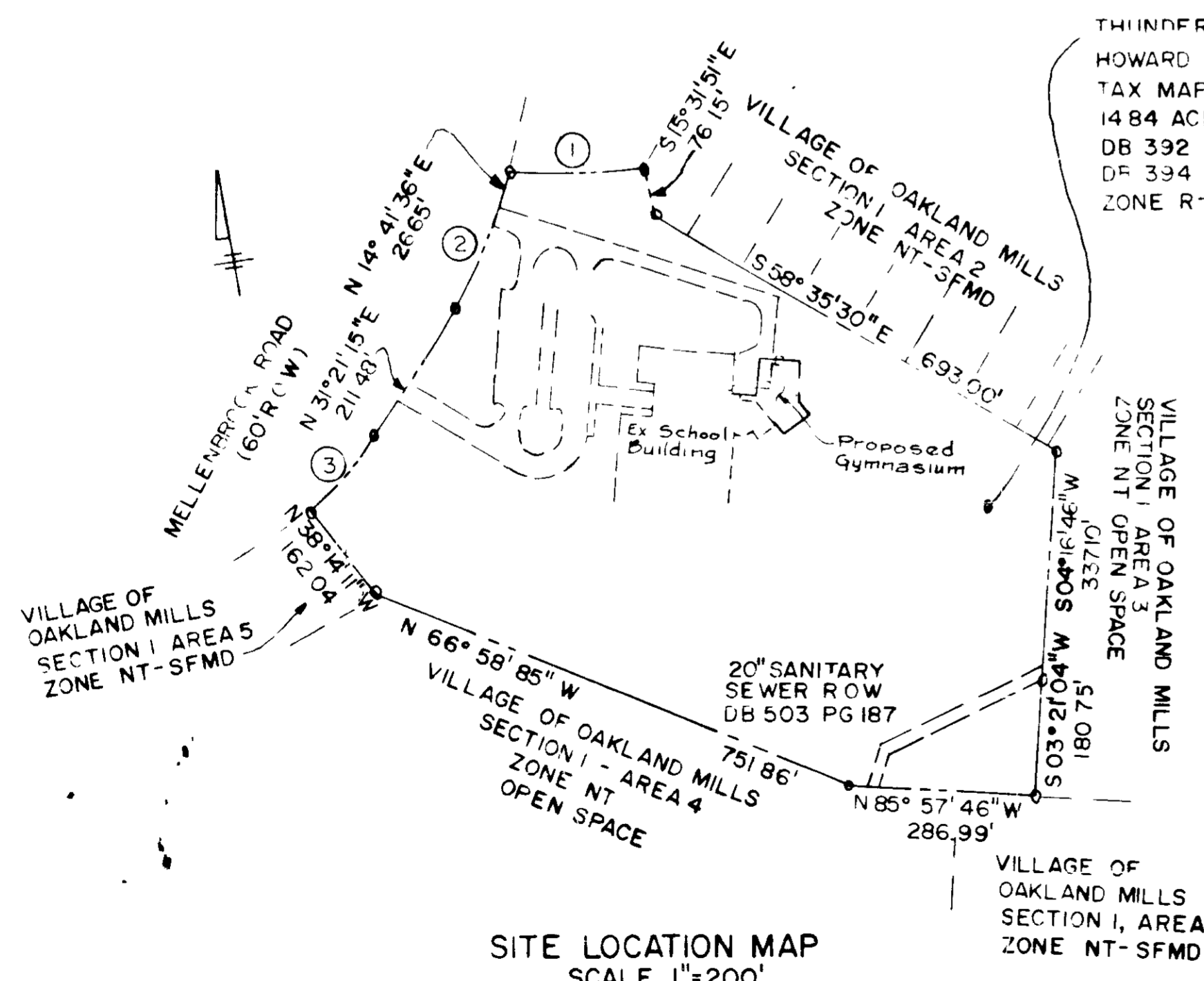


BOLLARD DETAIL
 NOT TO SCALE



INFILTRATION DRYWELL DETAIL
 NOT TO SCALE

NO	RADIUS	DELTA	ARC	TAN	CHORD	CH BEARING
1	409.11'	29°23'14"	202.93'	103.53'	200.81'	N89°02'30"E
2	732.17'	16°23'40"	12.89'	107.20'	212.14'	N23°01'25"E
3	327.31'	25°46'28"	147.24'	74.83'	146.00'	N44°14'23"E



SITE LOCATION MAP
 SCALE 1"=200'

THUNDER HILL ELEMENTARY SCHOOL
 HOWARD COUNTY BOARD OF EDUCATION
 TAX MAP 30 PARCEL 206
 14.84 ACRES
 DB 392 PG 732
 DF 334 PG 815
 ZONE R-20

OWNER
 HOWARD COUNTY BOARD OF EDUCATION
 10910 ROUTE 108
 ELLICOTT CITY, MARYLAND 21043
 (301) 922-0500
 MR HENRY HORNING

PARCEL NUMBER	STREET ADDRESS
P 206	9357 MELLENBROOK ROAD

SUBDIVISION NAME	SECT	AREA	LOT	PARCEL #
VOM - ELEMENTARY SCHOOL	1/2			PARCEL 206

PLAT #	AR OF BLOCK	ZONE	TAX/ZONE MAP	ELEC DIST	GEN. DIST
392/732	16	R-20	30	6	600301

DATE	SCALE
605	363/400

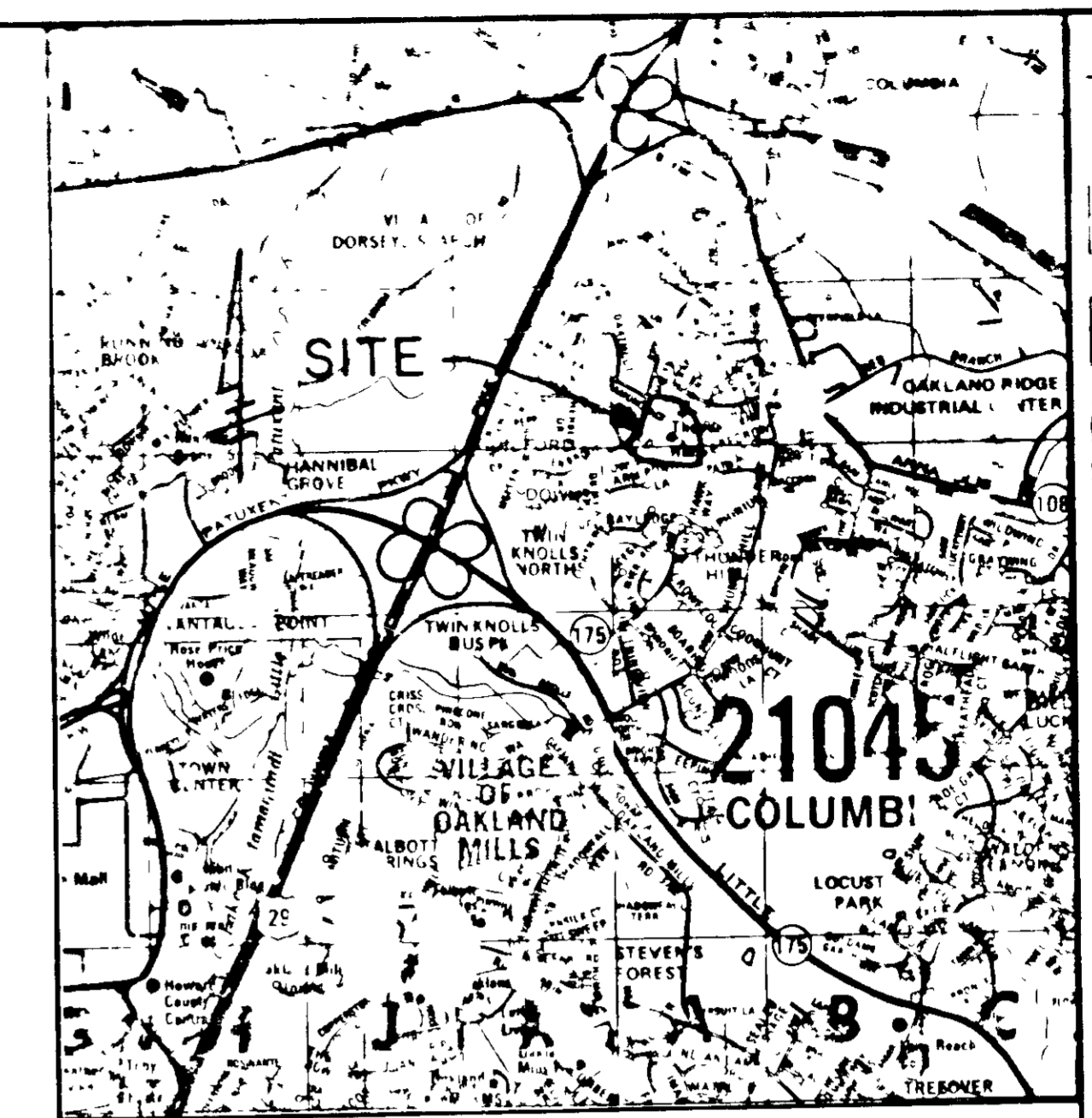
9/9/88

3-18-88
 LKS

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT COUNTY HEALTH DEPT DATE 10-75-88	REVISIONS
APPROVED FOR COUNTY OFFICE OF PLANNING & ZONING DIRECTOR DATE 10-10-88	REVISIONS
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS DIRECTOR DATE 1-7-88	REVISIONS
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS DIRECTOR DATE 1-7-88	REVISIONS

THUNDER HILL ELEMENTARY SCHOOL GYMNASIUM ADDITION	TITLE DETAIL
HOWARD COUNTY BOARD OF EDUCATION COLUMBIA MARYLAND 6th ELECTION DISTRICT	SHEET NO 2 OF 4
TAX MAP 30, PARCEL 206 D B 392, PG 732 AND D B 394, PG 515 ORIGINAL SDP NO 102	C-2
	SDP 89-18

THUNDER HILL ELEM. SCHOOL



CONSULTANTS
 CIVIL ENGINEER
 KENNEDY, PORTER & ASSOC.
 2319 HAVLAND AVE
 BALTIMORE, MD 21218
 STRUCTURAL ENGINEER
 HORABITO CONSULTANTS, INC
 2319 N. CALVERT ST
 BALTIMORE, MD 21218
 MECHANICAL/ELECTRICAL
 MOORE/LEWIS, INC
 2430 N. CALVERT ST
 BALTIMORE, MD 21218

VICINITY MAP
 SCALE 1"=2000'

SITE ANALYSIS

- TOTAL SITE AREA 646,214 SQ. FT. OR 14.835 ACRES
- PRESENT ZONING R-20
- EXISTING SDP NUMBERS 70-02, 74-19, 75-08, 75-107 & 87-92
- OCCUPANCY

CURRENT TEACHERS	27
CURRENT TEACHERS AIDS	3
CURRENT HEALTH AID	1
CURRENT SECRETARIAL	2
TOTAL STAFF	33

CURRENT STUDENTS	398
NO CHANGE TO STAFF OR STUDENTS	
- EXISTING PARKING

REGULAR	= 53 SPACES
HANDICAP	= 2 SPACES
TOTAL	55 SPACES
NO ADDITIONAL PARKING SPACES REQUIRED	
- SITE BUILDING COVERAGE

EXISTING	= 43,520 SQ. FT. (6.73%)
PROPOSED	= 4,542 SQ. FT. (0.70%)
TOTAL	48,062 SQ. FT. (7.43%)
- SITE OPEN SPACE (GREEN SPACE) TO REMAIN 511,248 SQ. FT. OR 11.737 ACRES = 79.11%

Schamu Machowski Doo & Associates Architects
 107 E. ...
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APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

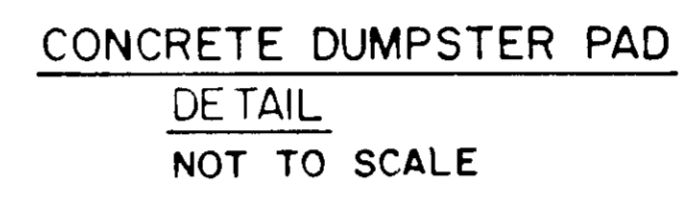
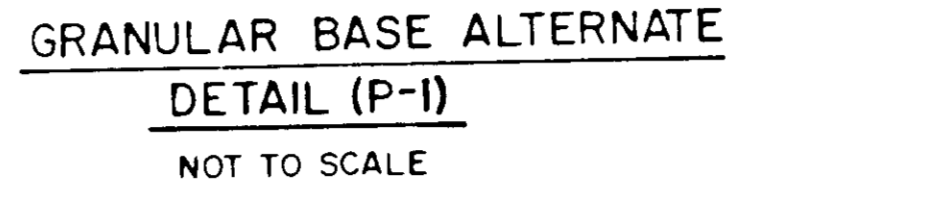
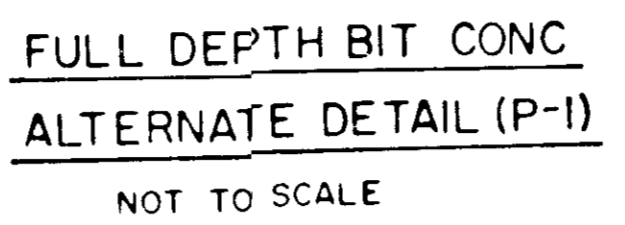
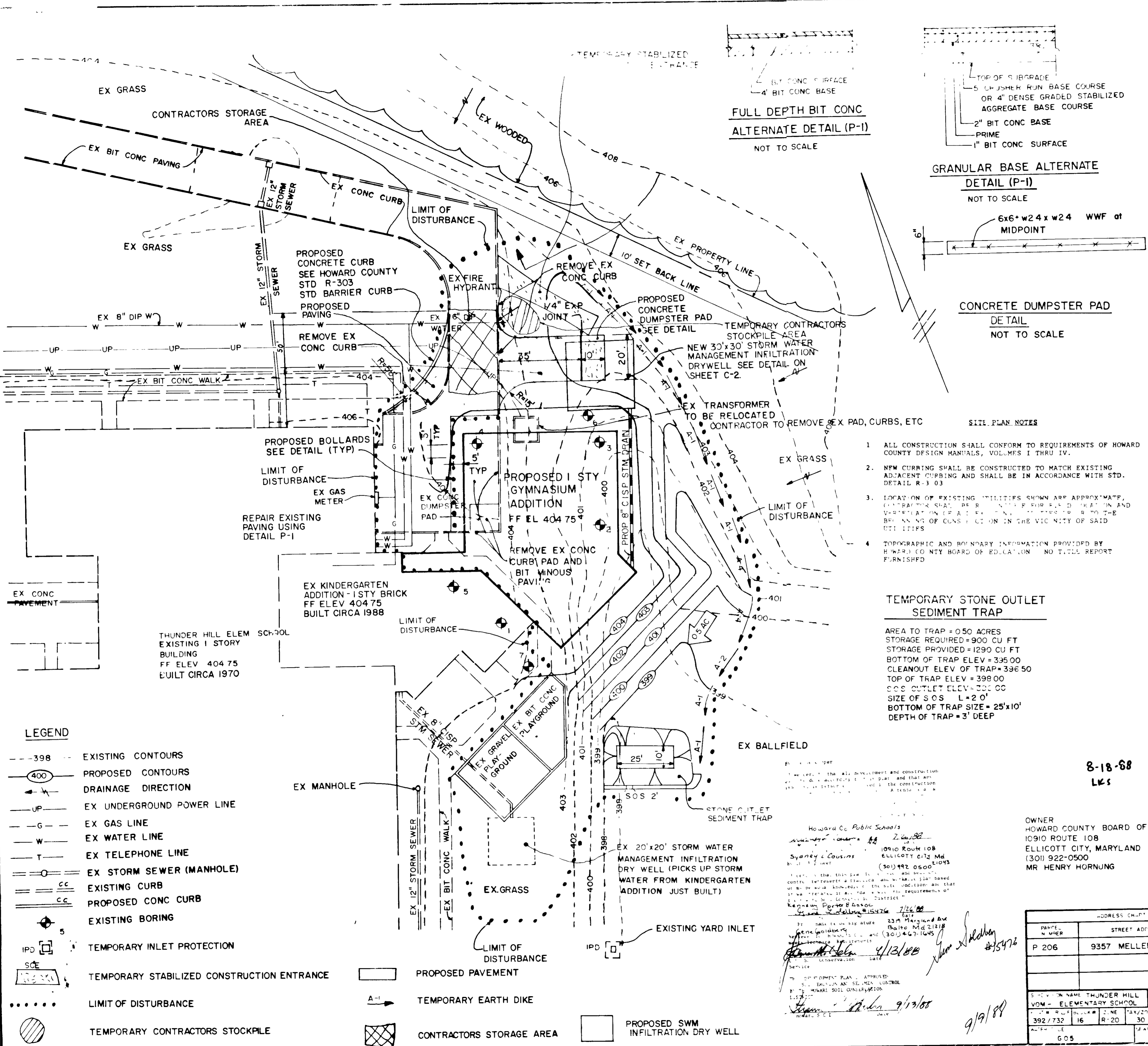
THUNDER HILL ELEMENTARY SCHOOL GYMNASIUM ADDITION

HOWARD COUNTY BOARD OF EDUCATION
 COLUMBIA, MARYLAND

5th ELECTION DISTRICT

TAX MAP 30, PARCEL 206
 DB 392, PG 732 AND DB 394, PG 515
 ORIGINAL SDP NO. 70-02

TITLE SEDIMENT CONTROL PLAN SHEET NO 3 OF 4
C-3
 SPD 89-18



- ### SITE PLAN NOTES
- ALL CONSTRUCTION SHALL CONFORM TO REQUIREMENTS OF HOWARD COUNTY DESIGN MANUALS, VOLUMES I THRU IV.
 - NEW CURRING SHALL BE CONSTRUCTED TO MATCH EXISTING ADJACENT CURBING AND SHALL BE IN ACCORDANCE WITH STD. DETAIL R-3-03.
 - LOCATION OF EXISTING UTILITIES SHOWN ARE APPROXIMATE. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD LOCATION AND VERIFICATION OF ALL UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL REPAIRS TO UTILITIES IN THE VICINITY OF SAID UTILITIES.
 - TOPOGRAPHIC AND BOUNDARY INFORMATION PROVIDED BY HOWARD COUNTY BOARD OF EDUCATION. NO TITLE REPORT FURNISHED.

TEMPORARY STONE OUTLET SEDIMENT TRAP

AREA TO TRAP = 0.50 ACRES
 STORAGE REQUIRED = 900 CU FT
 STORAGE PROVIDED = 1290 CU FT
 BOTTOM OF TRAP ELEV = 395.00
 CLEANOUT ELEV OF TRAP = 396.50
 TOP OF TRAP ELEV = 398.00
 S.O.S. OUTLET ELEV = 391.00
 SIZE OF S.O.S. L=2'-0"
 BOTTOM OF TRAP SIZE = 25'x10'
 DEPTH OF TRAP = 3' DEEP

8-18-88
 LKS

I hereby certify that the above described and constructed work was done in accordance with the approved plans and specifications and that the construction was completed in accordance with the requirements of the contract.

Howard Co. Public Schools
 10910 ROUTE 108
 ELLICOTT CITY, MD
 (301) 492-0500

OWNER
 HOWARD COUNTY BOARD OF EDUCATION
 10910 ROUTE 108
 ELLICOTT CITY, MARYLAND 21043
 (301) 922-0500
 MR HENRY HORNING

PAPER NUMBER	STREET ADDRESS
P 206	9357 MULLENBROOK ROAD

SECTION NAME	SECTION AREA	LOT - SPACES - PARCEL
THUNDER HILL ELEMENTARY SCHOOL	1/2	PARCEL 206
392/732	16	R-20 30 6
605	563,100	6065

- ### LEGEND
- 398 --- EXISTING CONTOURS
 - (400) PROPOSED CONTOURS
 - >--- DRAINAGE DIRECTION
 - UP--- EX UNDERGROUND POWER LINE
 - G--- EX GAS LINE
 - W--- EX WATER LINE
 - T--- EX TELEPHONE LINE
 - CC--- EX STORM SEWER (MANHOLE)
 - CC--- EXISTING CURB
 - CC--- PROPOSED CONC CURB
 - 5 EXISTING BORING
 - IPD TEMPORARY INLET PROTECTION
 - SCS TEMPORARY STABILIZED CONSTRUCTION ENTRANCE
 - LIMIT OF DISTURBANCE
 - TEMPORARY CONTRACTORS STOCKPILE
 - PROPOSED PAVEMENT
 - A-1 TEMPORARY EARTH DIKE
 - CONTRACTORS STORAGE AREA
 - PROPOSED SWM INFILTRATION DRY WELL

- A minimum of 14 hours notice must be given to the Office of Inspection and Permits prior to the start of any construction.
- All vegetative and structural practices are to be in accordance with the project plan.
- Following initial soil disturbance or disturbance, permanent or temporary stabilization shall be completed within 14 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, 14 days as to all other disturbed or graded areas on the project site.
- All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- All disturbed areas must be stabilized within the time period specified in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) sod (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52.) Temporary stabilization with mulch alone can only be done when recommended seeding rates do not allow for proper germination and establishment of grasses.
- All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.

7. Site Analysis: Total Area of Site 14.036 Acres
 Area Disturbed 3.3 Acres
 Area to be roofed or paved 0.5 Acres
 Area to be vegetatively stabilized 7.236 Acres
 Total Disturbance 3.8 Acres
 Total Paved 0.5 Acres
 Offsite water/borrow area location SEE PLAN BY CONTRACTOR

- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment controls must be provided, if deemed necessary by the Howard County DPW sediment control inspector.
- On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. After building or grading inspection approval may not be authorized until this initial approval by the inspection agency is made.

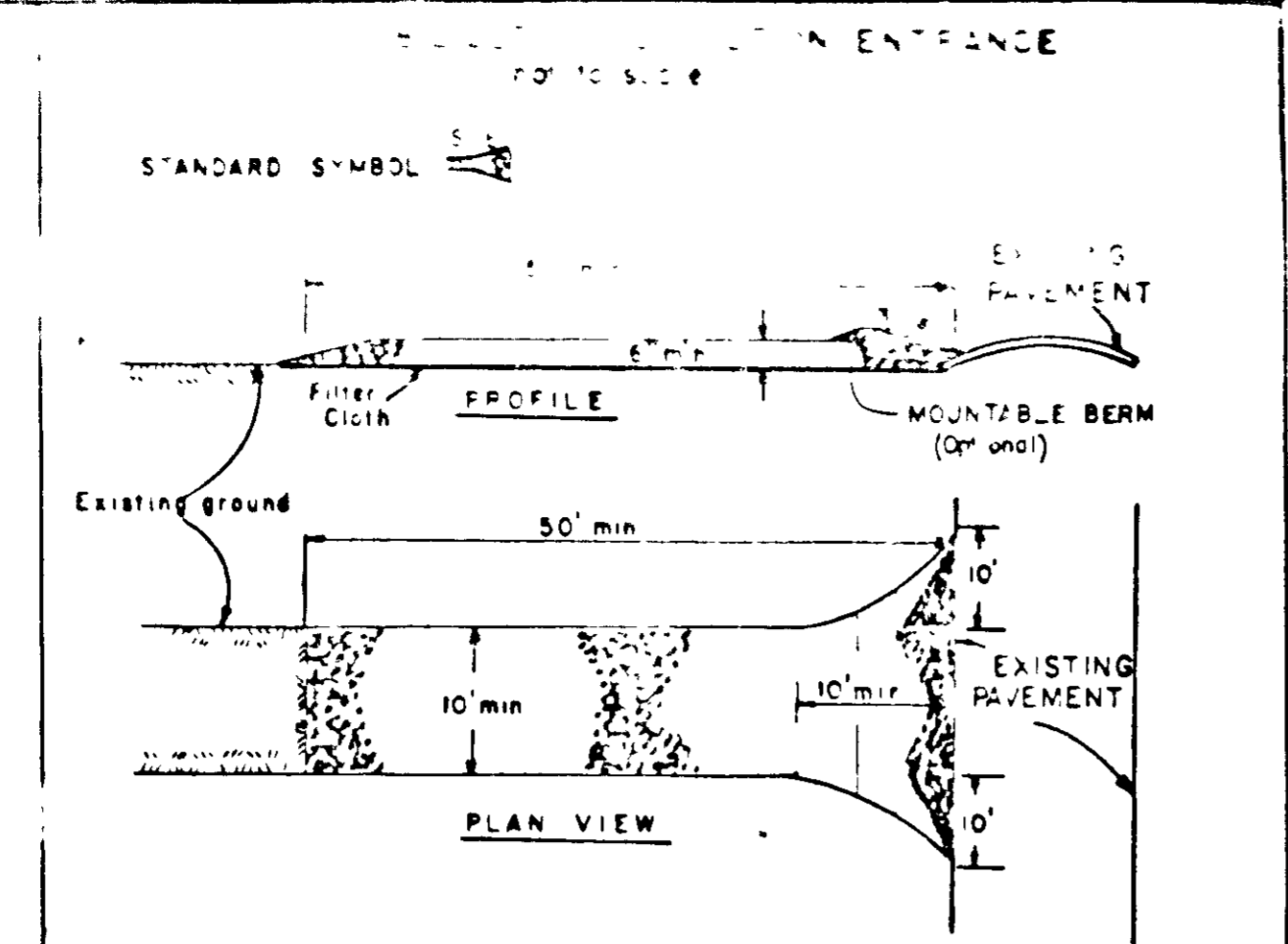
PERMANENT SEEDING NOTES
 Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.
 Seeded Preparations: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding.
 Soil Amendments: In lieu of soil test recommendations, use one of the following schedules:

- Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 square ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Harrow or disc into soil to 2-3 inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq ft).
- Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil.

Seeding - For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs per acre (1.4 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (.05 lbs/1000 sq ft) of seeding mixtures. During the period of November 1 thru February 28, protect site by: Option (1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use sod. Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

Mulching - Apply 1 1/2 ton to 2 tons per acre (70 to 90 lbs/1000 sq ft) of untreated small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq ft) for anchoring.
 Maintenance - Inspect all seeded areas and make needed repairs. Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rates and methods not covered.

TEMPORARY SEEDING NOTES
 Apply to graded or cleared areas likely to be re-disturbed where a short-term vegetative cover is needed.
 Seeded Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding.
 Soil Amendments: Apply 60 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft).
 Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 1 1/2 bushels per acre of annual ryegrass (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (.07 lbs/1000 sq ft). For the period November 15 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.
 Mulching: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of untreated small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 ft or higher, use 348 gal per acre (8 gal/1000 sq ft) for anchoring.
 Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rates and methods not covered.



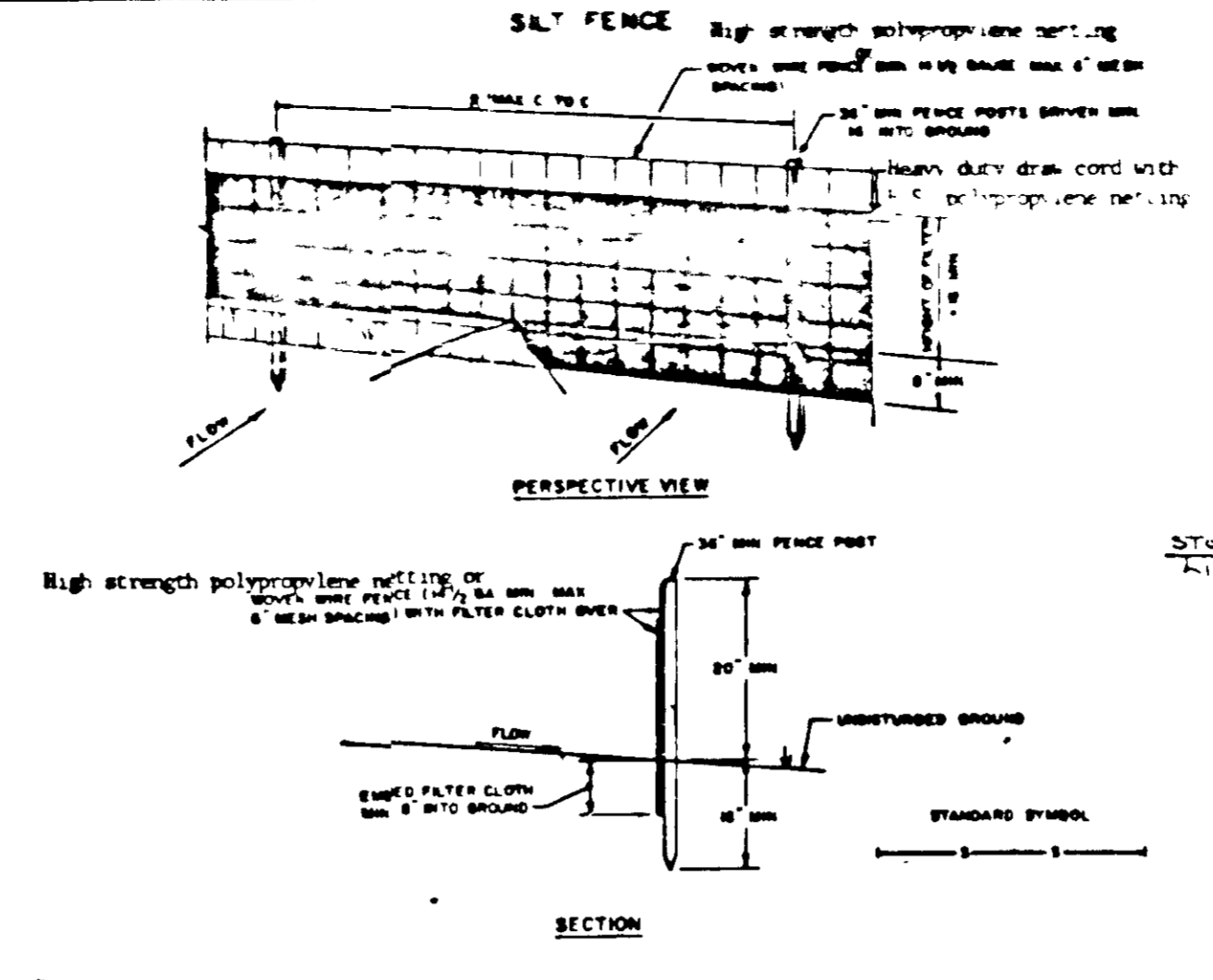
CONSTRUCTION SPECIFICATIONS
 1. Stone Size - Use 2" stone, or recycled or recycled concrete equivalent.
 2. Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
 3. Thickness - Not less than six (6) inches.
 4. Width - Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
 5. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
 6. Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable beam with 5 lb slopes will be permitted.
 7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or clearing of any material used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
 8. Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
 9. Periodic inspection and needed maintenance shall be provided after each rain.

U.S. DEPARTMENT OF AGRICULTURE
 SOIL CONSERVATION SERVICE
 COLLEGE PARK, MD

By the Developer
 I hereby certify that all development and construction will be done according to this plan, and that any person or persons involved in the construction of this project will have a Certificate of Attendance at a Department of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize the Soil Conservation Service to inspect the work on this project.
 Signature: [Signature]
 Date: 8/13/88
 Title: [Title]
 Address: 27 W. WOOD AVE, NE WASHINGTON, DC 20043
 Phone: 301-461-645

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT
 Signature: [Signature]
 Date: 8/13/88
 Title: [Title]
 Address: Howard S.C.D.
 Date: [Date]

NO	ACTIVE/INACTIVE	SQ FT DISTURBED	TYPE OF DISTURBANCE	SEQUENCE
A	INACTIVE	2150	PAVING	6 & 7
B	INACTIVE	4545	BUILDING	3 & 4
C	INACTIVE	7100	SEEDING	8 & 9

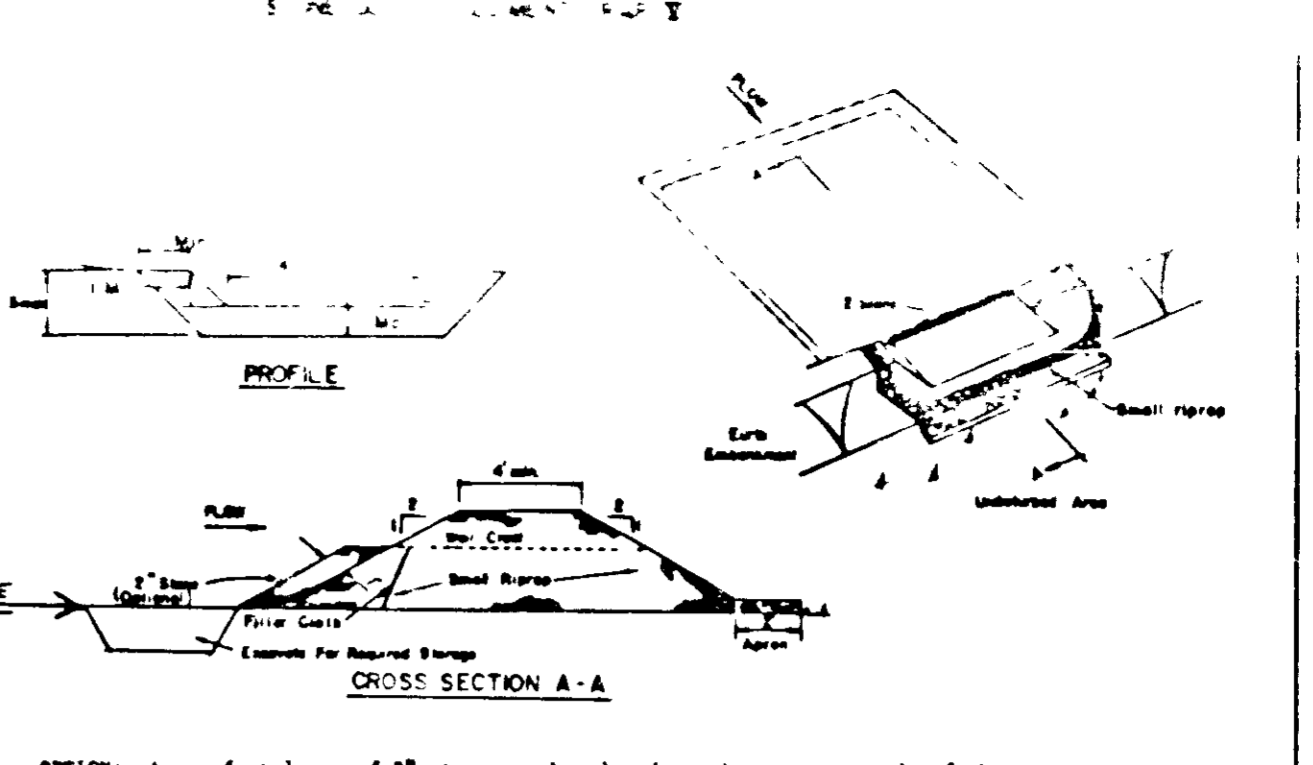


CONSTRUCTION NOTES FOR FABRICATED SILT FENCE
 1. High strength polypropylene netting or woven wire fence to be fastened securely to fence posts with wire ties or staples.
 2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES OR STAPLES EVERY 2' AT TOP AND MID SECTION.
 3. WHEN THE SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES MINIMUM.
 4. MAINTENANCE SHALL BE PERFORMED AS NECESSARY TO REMOVE WEAR AND TEAR IN THE SILT FENCE.

U.S. DEPARTMENT OF AGRICULTURE
 SOIL CONSERVATION SERVICE
 COLLEGE PARK, MARYLAND

U.S. DEPARTMENT OF AGRICULTURE
 SOIL CONSERVATION SERVICE
 COLLEGE PARK, MD

- CONSTRUCTION SCHEDULE
- INSTALL TEMPORARY SEDIMENT CONTROL DEVICES 2 DAYS*
 - CLEARING, DEMOLITION AND ROUGH GRADING 5 DAYS
 - BUILDING FOUNDATION & FOOTINGS 30 DAYS
 - WHILE BUILDING IS BEING CONSTRUCTED START SITE WORK 150 DAYS
 - FINE GRADE SITE 2 DAYS
 - REMOVE CURB AND CONSTRUCT NEW CURBS 5 DAYS
 - PLACE BASE COURSE AND PAVE SITE, INSTALL CONCRETE AND BOLLARDS 10 DAYS
 - PERMANENT STAB LIZE SITE 2 DAYS
 - REMOVE TEMPORARY SEDIMENT CONTROL DEVICES REPAIR AND PERMANENTLY STABILIZE REMAINDER OF SITE 10 DAYS
 - COMMENCING UPON RECEIPT OF REQUIRED PERMITS



CONSTRUCTION SPECIFICATIONS FOR ST-T
 1. Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
 2. The fill material for the embankment shall be free of roots and other woody vegetation as well as oversized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed.
 3. All cut and fill slopes shall be 3:1 or flatter.
 4. The stone used in the outlet shall be small riprap 4"-8" along with a 1" thickness of 2" aggregate placed on the up-grade side on the small riprap to encased filter cloth in the riprap.
 5. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to the design depth of the trap.
 6. The structure shall be inspected after each rain and repairs made as needed.
 7. Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
 8. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.

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CONSTRUCTION SCHEDULE

- INSTALL TEMPORARY SEDIMENT CONTROL DEVICES 2 DAYS*
- CLEARING, DEMOLITION AND ROUGH GRADING 5 DAYS
- BUILDING FOUNDATION & FOOTINGS 30 DAYS
- WHILE BUILDING IS BEING CONSTRUCTED START SITE WORK 150 DAYS
- FINE GRADE SITE 2 DAYS
- REMOVE CURB AND CONSTRUCT NEW CURBS 5 DAYS
- PLACE BASE COURSE AND PAVE SITE, INSTALL CONCRETE AND BOLLARDS 10 DAYS
- PERMANENT STAB LIZE SITE 2 DAYS
- REMOVE TEMPORARY SEDIMENT CONTROL DEVICES REPAIR AND PERMANENTLY STABILIZE REMAINDER OF SITE 10 DAYS
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 COLLEGE PARK MARYLAND

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 Signature: [Signature]
 Date: 10-13-88
 COUNTY HEALTH DEPARTMENT
 APPROVED FOR HOWARD COUNTY OFFICE OF PLANNING & ZONING
 Signature: [Signature]
 Date: 10-19-88
 DIRECTOR
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Signature: [Signature]
 Date: 10-13-88
 CHIEF OF BUREAU OF ENGINEERING

PARCEL NUMBER	STREET ADDRESS
P 206	9357 MELLENBROOK ROAD

ELEM. SCHOOL

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 MOORE/LEWIS, INC.
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REVISIONS
 SCALE AS NOTED
 JOB NO 88-077

THUNDER HILL ELEMENTARY SCHOOL GYMNASIUM ADDITION
 HOWARD COUNTY BOARD OF EDUCATION COLUMBIA MARYLAND
 6th ELECTION DISTRICT
 TAX MAP 30, PARCEL 206
 U.S. 392, PG 732 AND D.B. 394, PG 515
 ORIGINAL SDF NO 70-02

C-4
 SDF 89-18