

OPER'S CERTIFICATE

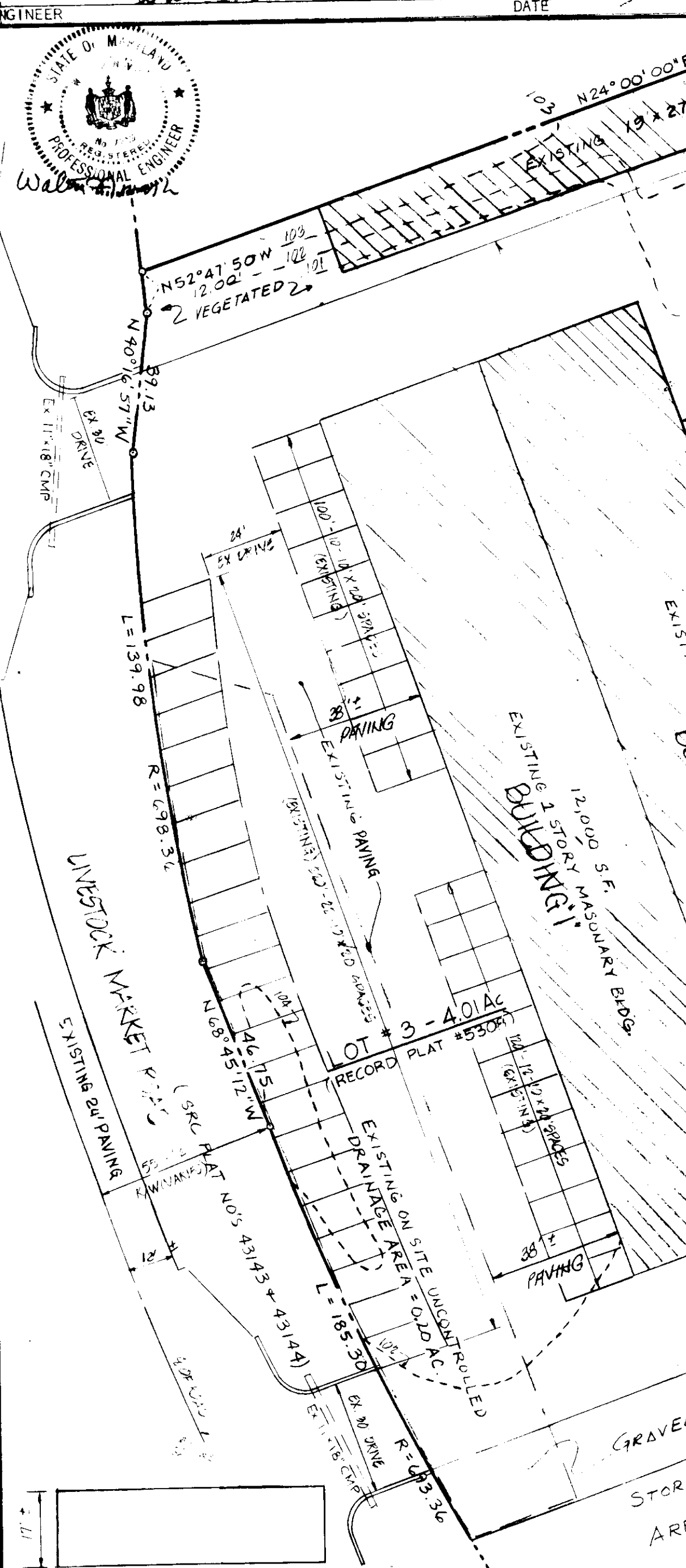
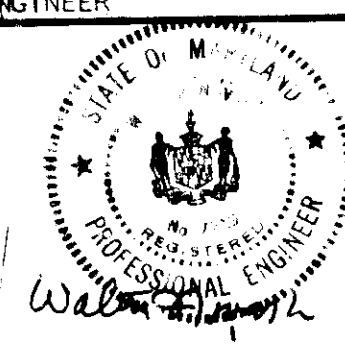
I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

DATE: **1-21-86**

ENGINEER'S CERTIFICATE

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

DATE: **1-23-86**



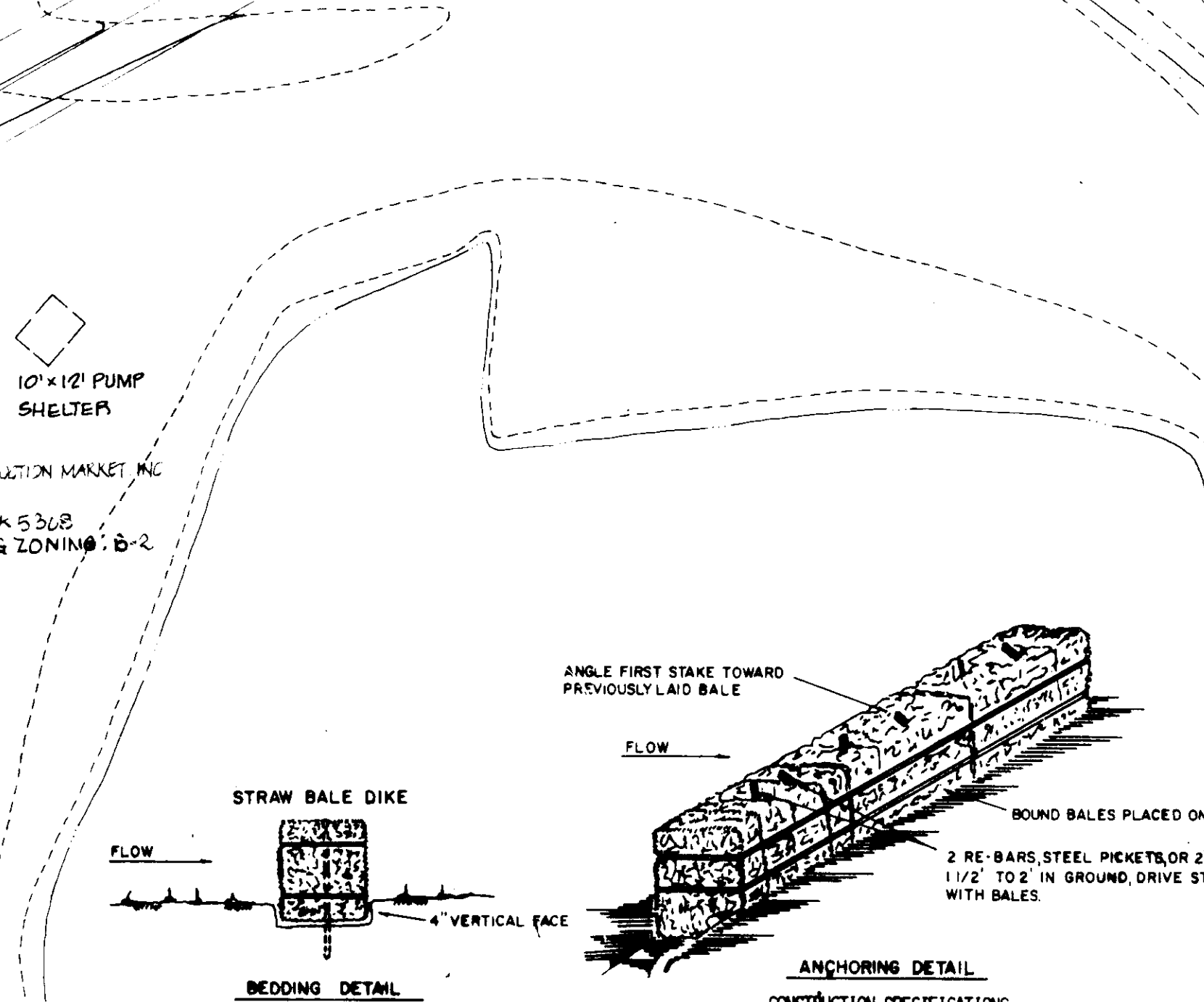
- PROP. SHED ELEVATION**
N.T.S.
- SEDIMENT CONTROL CONSTRUCTION SEQUENCE FOR PRESENT WORK**
- OBTAIN GRADING PERMIT.
 - NOTIFY HO. CO. BUREAU OF LICENSE, INSPECTIONS & PERMITS 24 HRS BEFORE STARTING GRADING OPERATIONS. PHONE 942-2435.
 - INSTALL STRAW BALES PER PLAN
 - EXCAVATE FOUNDATIONS FOR ADDITION & DISPOSE OF CUTTINGS AT APPROVED FILL AREA
 - AFTER COMPLETION OF BUILDING WORK, FILL AROUND FOUNDATION & STABILIZE

- GENERAL NOTES:**
- TRK MAP NO. 14, PARCEL NO.: LOT 3
 - EXISTING ZONING: B-2
 - DEED REFERENCES: 78/119, 225/335
 - TOTAL AREA OF SITE: 9.00 AC.
 - PROPOSED USE: UNIMPROVED & IMPROVED DWELLING (NO GARAGES)
 - STORM WATER MANAGEMENT PREVIOUSLY APPROVED UNDER SDP-85-223
 - PARKING: REQUIRED: 16 SPACES
TOTAL NO. OF EMPLOYEES: 6 (1 SPACE PER EMPLOYEE)
TOTAL SALES AREA: 1000 SQ. FT. (1000 SQ. FT. = 100/100 SPACES)
PROVIDED: 44 SPACES
 - TOTAL AREA OF OPEN SPACE: 1.91 AC. OR 24.7% OF SITE

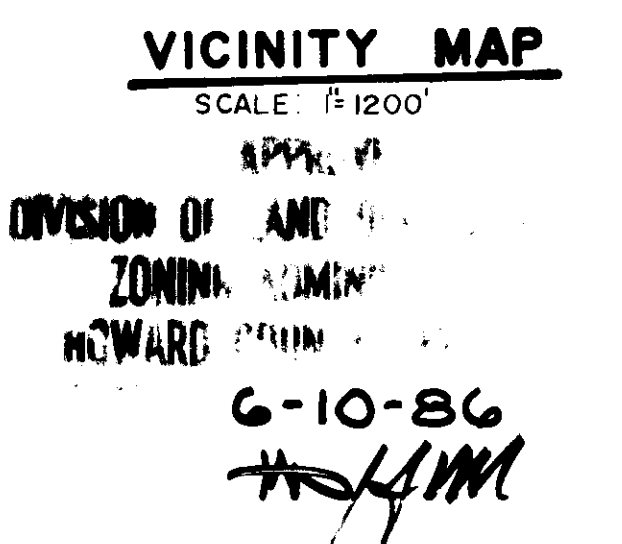
- PERMANENT SEEDING NOTES**
- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (992-2437)
 - All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 HARTLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
 - Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1; b) 24 days for 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 11, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
 - All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 HARTLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, for permanent seeding (Sec. 51) and (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding dikes 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.
 - Site Analysis:
Total Area of Site: 9.00 Acres
Area to be seeded or paved: 0.21 Acres
Area to be vegetatively stabilized: 8.79 Acres
Total Cut: 111,000 Cu. Yds.
Total Fill: 111,000 Cu. Yds.
Office waste/borrow area located: 0.00 Acres
 - 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 Sediment Control Inspector.
 - On all areas with disturbed areas in excess of 2 acres, approval of the inspection agency must be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other mulching or grading inspection approval may not be authorized until this initial approval by the inspection agency is made.

- TEMPORARY SEEDING NOTES**
- Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.
- Soil Preparation:** 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 sq ft) before seeding, and 600 lbs per acre (10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding, and 600 lbs per acre (10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding.
 - 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.
- 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 (0.5 lbs/1000 sq ft) of creeping lovegrass. During the period of October 15 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) the seed. 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 to 2 tons per acre (30 to 90 lbs/1000 sq ft) of untreated small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 2 1/2 gallon per acre (5 gal/1000 sq ft) of emulsified asphalt mulch anchoring tool on 2 1/2 gallon per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 3 feet or higher, use 3 1/2 gallon per acre (8 gal/1000 sq ft) for anchoring.
- Maintenance:** Inspect all seeded areas and make needed repairs, replacements and reseedings.

- TEMPORARY SEEDING NOTES**
- Apply to graded or cleared areas likely to be re-disturbed where a short-term vegetative cover is needed.
- Soil Preparation:** Loosen upper three inches of soil by raking, disking or other acceptable means before seeding.
- Soil Amendments:** Apply 400 lbs per acre 10-10-10 fertilizer (84 lbs/1000 sq ft)
- Seeding:** For periods March 1 thru April 30 and from August 15 thru November 15, seed with 75 bushel 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 creeping lovegrass (0.7 lbs/1000 sq ft). For the period November 16 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 seed.
- Mulching:** Apply 1 1/2 to 2 tons per acre (30 to 90 lbs/1000 sq ft) of untreated small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 2 1/2 gal per acre (5 gal/1000 sq ft) of emulsified asphalt for anchoring. On slopes 3 ft or higher, use 3 1/2 gal per acre (8 gal/1000 sq ft) for anchoring.
- Maintenance:** Refer to the 1983 HARTLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, for rate and methods not covered.



- CONSTRUCTION SPECIFICATIONS**
- BALES SHALL BE PLACED AT THE TOE OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
 - EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF (4) INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.
 - BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALES. THE FIRST STAKE, IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
 - INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
 - BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPED EARTH FLOW OR DRAINAGE.



APPROVED FOR PRIVATE WATER & PRIVATE SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

John J. Miller 7-1-86
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

William H. Donnell 7-2-86
PLANNING DIRECTOR DATE

John H. Wickham 7-2-86
CHIEF, DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION DATE

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.

John H. Wickham 7-25-86
U.S. SOIL CONSERVATION SERVICE DATE

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

John H. Wickham 4/25/86
SOIL CONSERVATION DISTRICT DATE

APPROVED: FOR STORM DRAINAGE SYSTEM AND ROADS
HOWARD COUNTY DEPT OF PUBLIC WORKS

John H. Wickham 7-2-86
DIRECTOR DATE

John H. Wickham 7-2-86
CHIEF, BUREAU OF ENGINEERING DATE

- NOTES**
- PROPOSED CONSTRUCTION IS FOR METAL STORAGE SHED ONLY. IT IS BUILT AT GRADE. ALL HANDICAP ACCESS TO EXISTING BUILDING AND ALL HANDICAP PARKING PROVIDED UNDER PRIOR SDP-85-223.
 - NO STORM DRAIN STRUCTURES ARE PROPOSED.

- DESIGNATED BORINGS
- DESIGNATED PROPOSED BUILDINGS
- DESIGNATES EXISTING BUILDINGS

OWNER & DEVELOPER
O'DONNELL & COMPANY
4652 SHEPPARD LANE
ELlicOTT CITY, MD. 21043

ADDRESS CHART

LOT NUMBER	STREET ADDRESS																				
PUMP BLDG.	3000 S.F. 15055 LIVESTOCK MARKET ROAD																				
<table border="1"> <thead> <tr> <th>DIVISION NAME</th> <th>BLK.</th> <th>AREA</th> <th>BLK.</th> <th>PARCEL</th> </tr> </thead> <tbody> <tr> <td>BALTIMORE LIVESTOCK AUCTION MARKET INC.</td> <td></td> <td></td> <td></td> <td>LOT 3</td> </tr> <tr> <td>PLAN 5 DRAINAGE BLOCK 1</td> <td>10NE</td> <td>16</td> <td>3</td> <td>6030</td> </tr> <tr> <td>WATER CODE</td> <td>NA</td> <td></td> <td>4/A</td> <td></td> </tr> </tbody> </table>		DIVISION NAME	BLK.	AREA	BLK.	PARCEL	BALTIMORE LIVESTOCK AUCTION MARKET INC.				LOT 3	PLAN 5 DRAINAGE BLOCK 1	10NE	16	3	6030	WATER CODE	NA		4/A	
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WATER CODE	NA		4/A																		

TITLE SITE DEVELOPMENT PLAN - BUILDING ADDITION TO 501-85-12

PROJECT BALTIMORE LIVESTOCK AUCTION MARKET, INC. - LOT 3

LOCATION 3RD ELECTION DISTRICT HOWARD CO., MD.

DATE JAN 20, 1986 **DESIGN BY:** P.D.M. **DRAWN BY:** J.J.B. **CHECKED BY:** P.D.M.

SCALE: 1" = 80' **JOB NO.:** 77226 **DRAWING NO.:** 1 OF 1 **DATE PLOTTED:** 1-28-86

boender associates engineers/surveyors/planners
COURT HOUSE SQUARE
ELlicOTT CITY, MD. 21043
BALTIMORE 301-465-7777

SDP-86-155