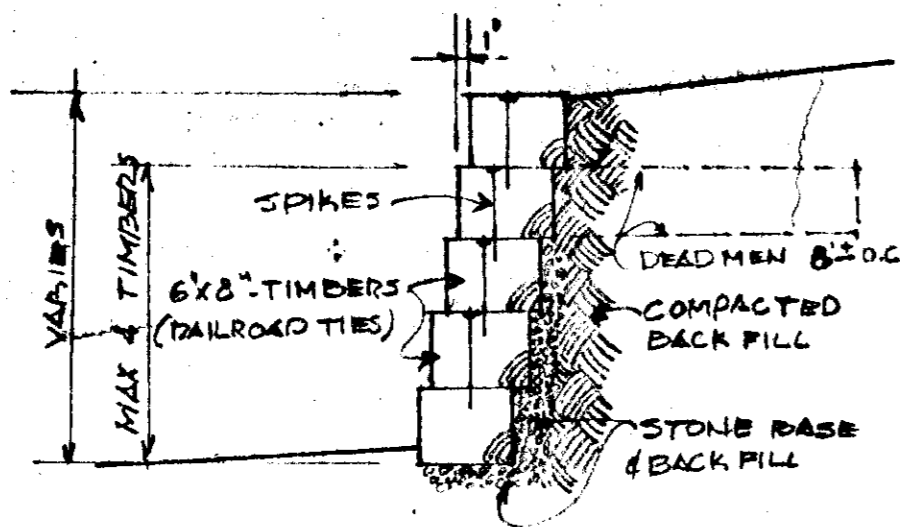


APPROVED
DIVISION OF LAND DEVELOPMENT
AND TRANSPORTATION PLANNING
HOWARD COUNTY, MARYLAND
DATE MAR 31 1975

J.H.C. & R.

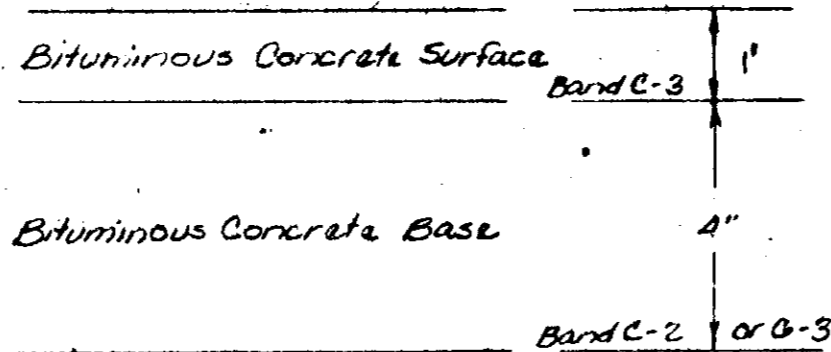


TIMBER RETAINING WALL

NO SCALE

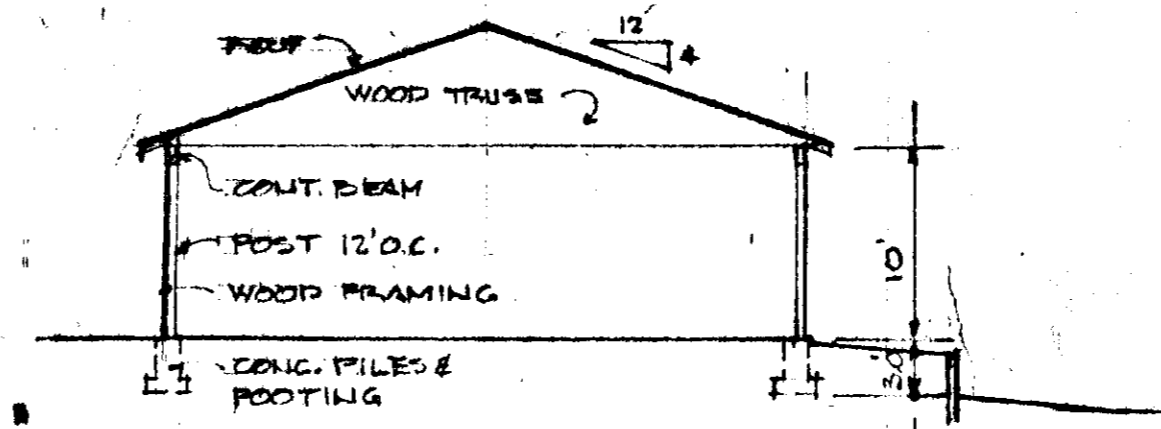
HOWARD RESEARCH & DEV. CORP.

409/549
53.16 A
P. 267



TYPICAL PAVING SECTION

Cleaning and Grading Article C-1
Subgrade Article C-2
Base Course Article C-3 or C-33
Surface Article C-31
SEAL COAT Article C-28
ALL MATERIAL & CONST SHALL BE ACCORDING TO HOWARD CO. REGULATIONS

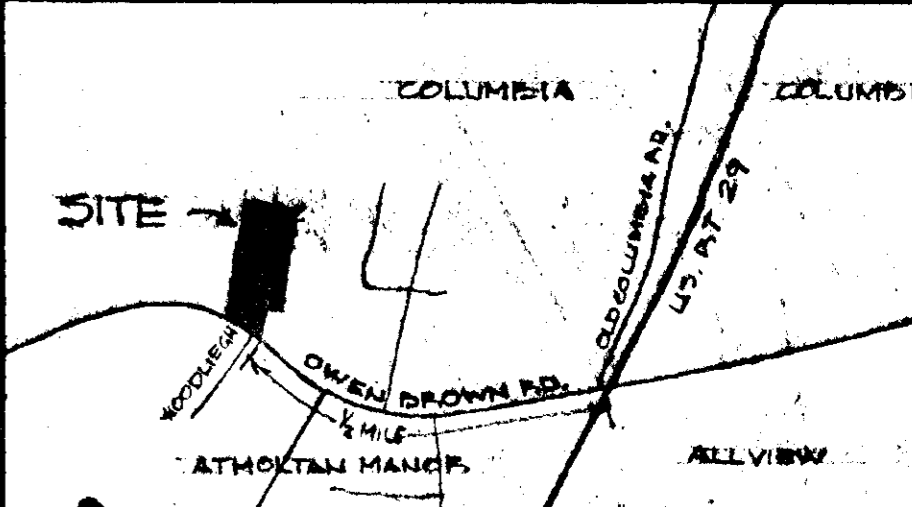


BLDG. SECTION

SCALE: 1" = 10'

GENERAL NOTES

- PROPERTY AREA = 6.829 AC.
- PROPERTY ZONED R-40
SPECIAL PERMIT-APPROVED 12 SEPT 74
CASE NO. 701-C
- PROPOSED USE: WAREHOUSE & WORKSHOP
- UTILITIES: a) EXISTING PUBLIC WATER
b) EXISTING PRIVATE SEWAGE DISPOSAL SYSTEM
- DRAIN FIELD FOR FUTURE SEWAGE DISPOSAL SYSTEM LOCATED
- MAX. SLOPE = 2:1
- ALL RADIUS UNLESS NOTED
- BUILDING COVERAGE = 2,376 #
- PARKING SPACES: AUTO = 10 (10' X 20')
TRUCK = 2 (12' X 38')
- NUMBER OF EMPLOYEES = 10 MAX.
- FLOOR AREA = 2,376 #
- ALL CONSTRUCTION SHOWN HEREON IS PRIVATE.
- EXISTING SHEDS TO BE REMOVED.
- EXISTING SHEDS TO BE REMOVED 315 #
- ORIGINAL EXRN. REMOVED 1610 #



VICINITY MAP SCALE 1" = 1200'

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

THOMAS G. HARRIS, PLANNING DIRECTOR, DATE 5/2/75
J. H. CRAWFORD, CHIEF, DIVISION OF LAND DEV. AND TRAN. PLANNING, DATE 5/1/75
WILLIAM J. WILSON, DIRECTOR, DATE 5/1/75
J. H. HARRIS, CHIEF, BUREAU OF HIGHWAYS, DATE 5/1/75

SITE ANALYSIS

TOTAL AREA OF SITE - 297,325 #
DISTURBED AREA - 5,200 #
AREA PAVED & GRADED - 4,700 #
AREA TO BE RESTORED - 5,12 #
AREA TO BE LEFT NATURAL - 289,225 #

STABILIZATION NOTES

- APPLY LIME AT 46#/1000 SQ. FT.
- APPLY 5-10-10 FERTILIZER @ 25#/1000 SQ. FT.
- INCORPORATE LIME & FERTILIZER TO A DEPTH OF 24" - 3"
- SEED TO 1/2 LB. RED FESCUE AND 1/2 LB. KENTUCKY BLUE GRASS PER 1000 SQ. FT. COVER LIGHTLY 1/4" PAVING.
- MULCH TOTAL SEEDING AREA WITH STRAW AT 75-90#/1000 SQ. FT.
- ANCHOR STRAW WITH SPRAYED ASPHALT OR A DIKE SET TO CUT STRAIGHT.

CONSTRUCTION SEQUENCE

- INSTALL STRAW BALE DIKE IN DEPRESSION BELOW CONSTRUCTION AREA AS STRAIN ON FULL VIEW.
- INSTALL TIMBER RETAINING WALL AS SHOWN ON PLAN.
- BACKFILL AGAINST RETAINING WALL, BRING TO SUBGRADE FOR BUILDING FOUNDATION INSTALLATION.
- CONSTRUCT AND COMPLETE BUILDING.
- MAKE ALTERATIONS TO LAY OUT OF EXISTING PARKING AREA AS SHOWN.
- FINISH GRADE PARKING AREA ON NORTH SIDE OF BLDG. INSTALL PAVING, CURBING & PIPERAP ON FALL TO STABILIZED AREA BELOW.
- REMOVE STRAW BALE DIKE, SEED AND MULCH ALL DISTURBED AREAS ACCORDING TO NOTE.

LEGEND

- NEW STRUCTURE
- EXISTING BLDG. TO REMAIN
- EXISTING BLDG. WHICH HAVE & ARE TO BE REMOVED
- NEW PAVED AREA
- EXISTING PAVING TO BE REMOVED
- TELEPHONE & POWER LINES
- PUBLIC WATER LINES
- STRAW BALES EACH STAKED W/ 2-2X2X4 STAKES
- EXISTING HEMLOCK SCREENING
- EXISTING TREES
- EFFECTED DRAINAGE AREA
- EXISTING PAVED AREA

TYPICAL DETAIL - No. 3000

JIERS INC
288/500
29.92 A
P. 113

REVIEWED FOR HOWARD S.C.D.
AND MEETS TECHNICAL REQUIREMENTS
C. Wayne Ray - DATE 7-15-75
U.S. SOIL CONSERVATION SERVICE

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

APPROVED FOR HOWARD S.C.D. DATE 4/16/75
HOWARD S.C.D.

By the Developer:
"I certify that all development and/or construction will be done according to this plan for development and plan for Erosion and Sediment Control, and I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary. Deviation from this plan will not be made unless authorized by the Howard Soil Conservation District."

John M. ... 2-7-75
Signature of Developer Date

By the Engineer:
"I certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District"

Dallas H. ... 4/16/75
Signature of Engineer Date

SITE PLAN SCALE: 1" = 20'

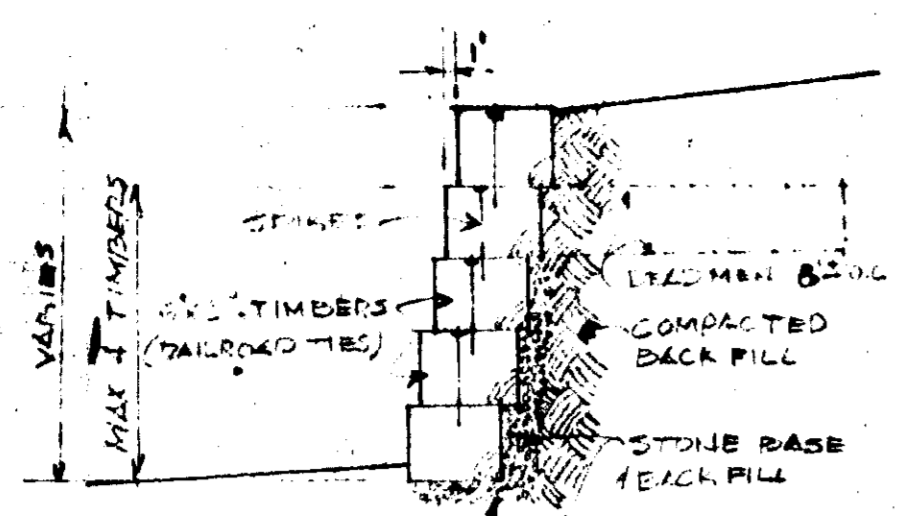
DANIEL ASSOCIATES
5885 ROBERT OLIVER PLACE
COLUMBIA, MARYLAND 21045

WORK SHOP & STORAGE BLDG.
FOR
METZLERS - NURSERY
OWEN BROWN RD. 5TH ELECTION DISTRICT
HOWARD COUNTY, MD. TARMAP 24 PARCEL #

DATE DEC. 4/74
REV. FEB. 22/75
REV. MAR. 4/75
REV. APR. 7/75
1
\$4.1 OF \$

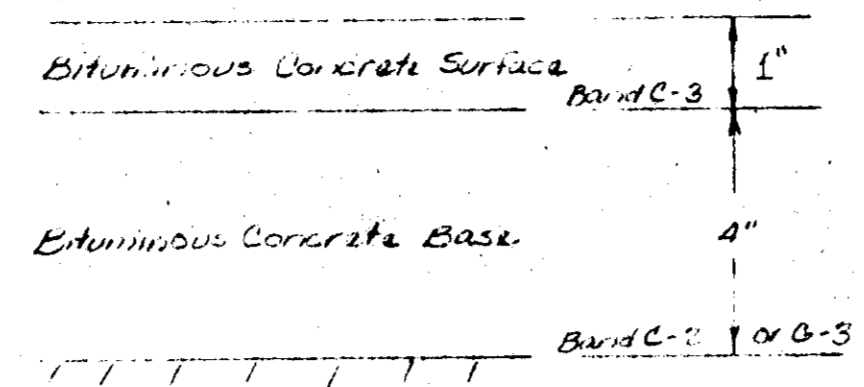


APPROVED
 DIVISION OF LAND DEVELOPMENT
 AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 DATE MAR 31 1975
 H.C.P.R.



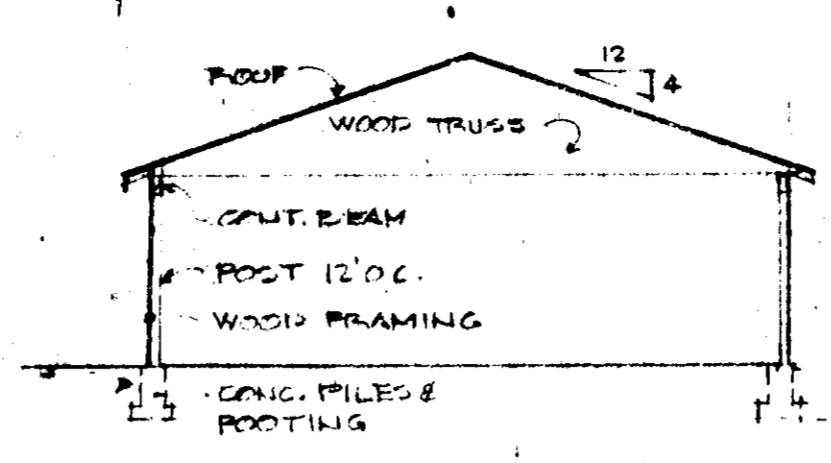
TIME EX. RETAINING WALL

HOWARD P. RESEARCH & DEV. CORP.
 401/549
 53.16 A
 P. 267



TYPICAL PAVING SECTION

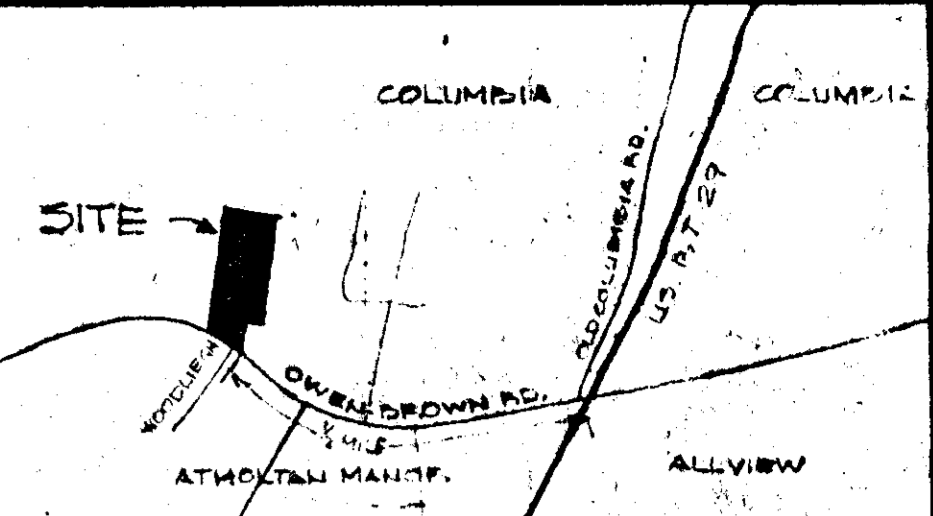
Clearing and Grading Article C-1
 Slope Article C-2
 Surface Article C-31 & C-33
 Seal Coat Article C-28



BLDG SECTION

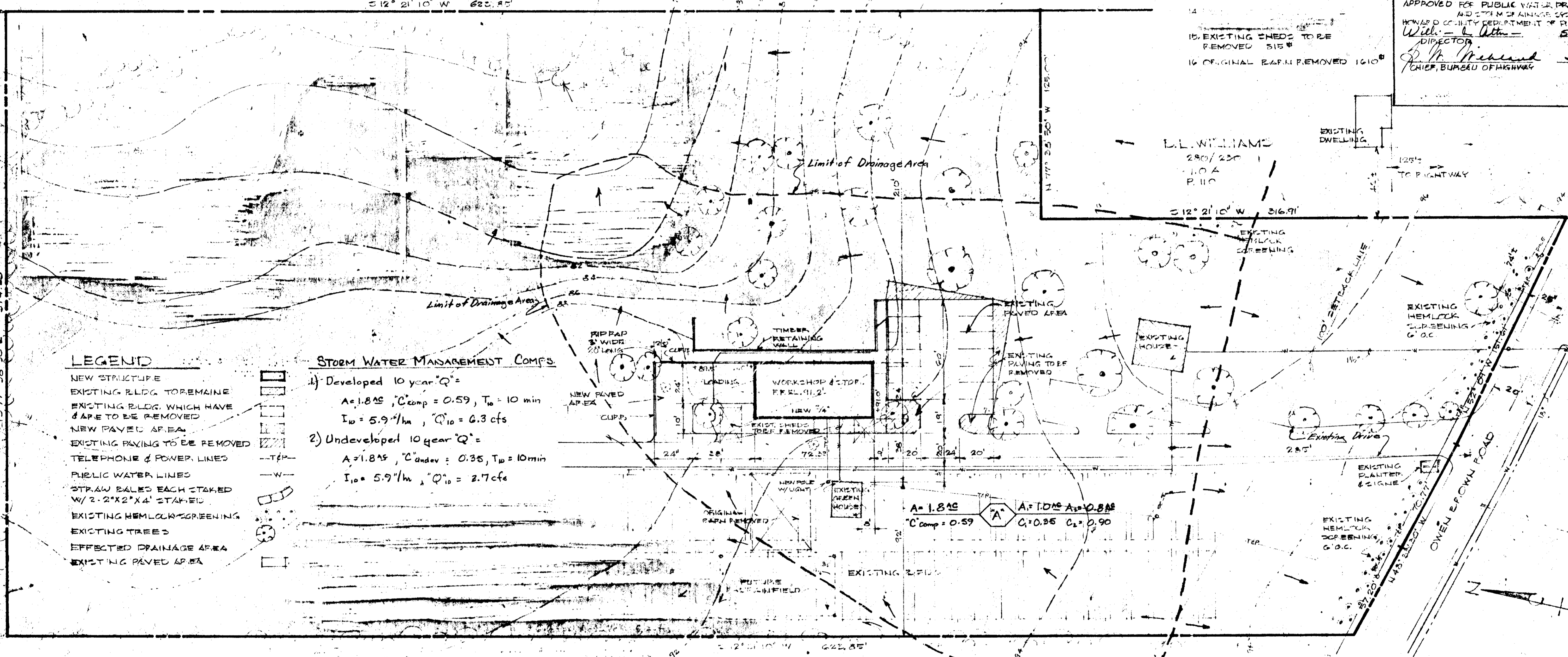
GENERAL NOTES

1. PROPERTY AREA = 6.529 AC.
2. PROPERTY ZONED R-40
3. SPECIAL PERMIT-APPROVED (2 CERT. CASE NO. 701-C)
4. PROPOSED USE: WAREHOUSE & WORKSHOP
5. UTILITIES: (A) EXISTING PUBLIC WATER (B) EXISTING PRIVATE SEWAGE DISPOSAL SYSTEM
6. DRAIN FIELD FOR FUTURE SEWAGE DISPOSAL SYSTEM LOCATED
7. MAX. SLOPE = 2:1
8. ALL PAVES UNLESS NOTED
9. BUILDING COVERAGE = 0.276 #
10. PARKING SPACES: AUTO = 2 (10' x 20') TRUCK = 2 (12' x 35')
11. NUMBER OF EMPLOYEES = 10 MAX.
12. FLOOR AREA = 2,576 #
13. ALL CONSTRUCTION SHOWN HERE ON IS PRIVATE.
14. EXISTING SHEDS TO BE REMOVED.
15. EXISTING SHEDS TO BE REMOVED 315 #
16. ORIGINAL BARN REMOVED 1610 #



VICINITY MAP SCALE 1" = 1200'

APPROVED FOR PUBLIC WATER AND PRIVATE SEWAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 APPROVED 4/30/75
 APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 APPROVED 5-2-75
 CHIEF DIVISION OF LAND DEV. AND TRAN. PLANNING
 APPROVED FOR PUBLIC WATER PRIVATE SEWAGE AND SYSTEMS OF AIRWAYS AND ROAD
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 APPROVED 5/1/75
 CHIEF, BUREAU OF HIGHWAY



- LEGEND**
- NEW STRUCTURE
 - EXISTING BLDG. TO REMAIN
 - EXISTING BLDG. WHICH HAVE & ARE TO BE REMOVED
 - NEW PAVED AREA
 - EXISTING PAVING TO BE REMOVED
 - TELEPHONE & POWER LINES
 - PUBLIC WATER LINES
 - STRAW BALES EACH STAKED W/ 2" X 2" X 4" STAKES
 - EXISTING HEMLOCK SCREENING
 - EXISTING TREES
 - EFFECTED DRAINAGE AREA
 - EXISTING PAVED AREA

STORM WATER MANAGEMENT COMPS.

1) Developed 10 year "Q"
 $A = 1.8 AS$, $C_{comp} = 0.59$, $T_{10} = 10 \text{ min}$
 $I_{10} = 5.9"/hr$, $Q_{10} = 6.3 \text{ cfs}$

2) Undeveloped 10 year "Q"
 $A = 1.8 AS$, $C_{undev} = 0.35$, $T_{10} = 10 \text{ min}$
 $I_{10} = 5.9"/hr$, $Q_{10} = 2.7 \text{ cfs}$

$A = 1.8 AS$
 $C_{comp} = 0.59$
 $A = 1.0 AS$, $C_1 = 0.25$, $C_2 = 0.90$

JIERO INC
 287/500
 29.02 A
 P. 112

By the Engineer:
 I certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

By the Developer:
 I certify that all development and/or construction will be done according to the plan of development and plan for Erosion and Sediment Control, and I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary. Deviation from this plan will not be made unless authorized by the Howard Soil Conservation District.

John Miller
 Director of Developer

4-1-75
 Date

Daniel D. Daniel
 Director of Engineer

4/1/75
 Date

DANIEL ASSOCIATES
 5865 ROBERT OLIVER PLACE
 COLUMBIA, MARYLAND 21045

STORM WATER MANAGEMENT PLAN
 WORKSHOP & STORAGE BLDG.
 FOR
 METZLER'S - NUPSEPSY
 OWEN BROWN RD. 5TH ELECTION DISTRICT
 HOWARD COUNTY MD. TAXMAP 29 PARCEL #



REV. APRIL 7/75
 REV. FEB. 24/75
 REV. MAR. 2/75
 REV. APR. 2/75
 2
 SH-2-172