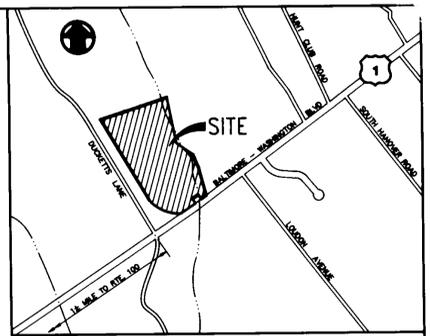


NOTES

1. CONTRACTOR TO TEST PVT EX. 6" WATERLINE TO DETERMINE DEPTH.
2. NEW 6" WATER SERVICE LINE TO MAINTAIN 3'-0" COVER.
3. ALL DISTURBED AREAS WHICH ARE INACTIVE DURING THE CONSTRUCTION PERIOD SHALL BE STABILIZED WITH CRUSHED STONE.



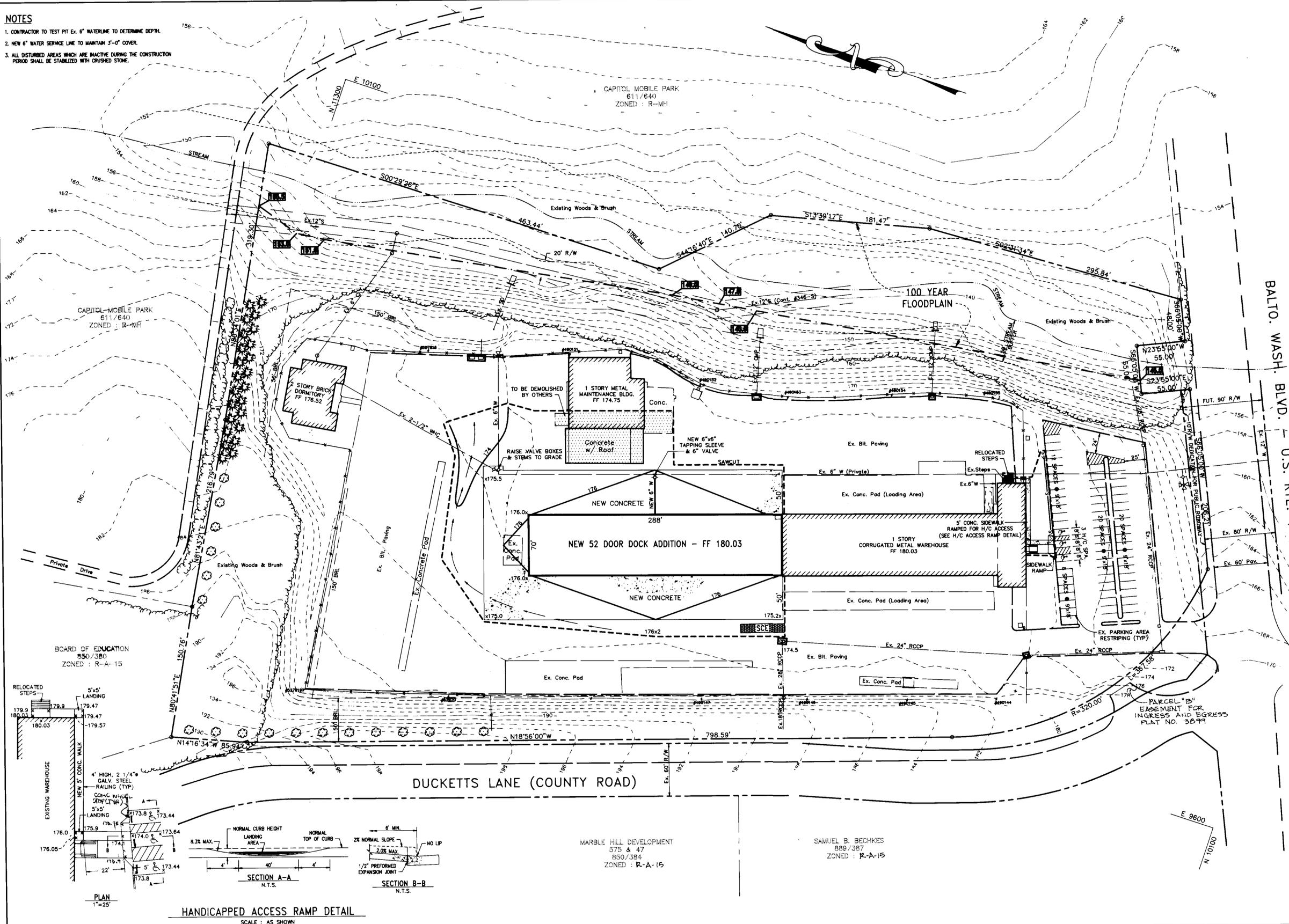
VICINITY MAP
SCALE: 1"=800'

SEQUENCE OF CONSTRUCTION

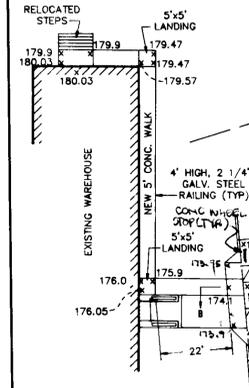
1. OBTAIN GRADING PERMIT.
2. NOTIFY SEDIMENT CONTROL INSPECTOR AT LEAST 5 DAYS PRIOR TO START OF CONSTRUCTION.
3. CONTACT THE CONSTRUCTION INSPECTION DIVISION 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK AT 410-313-1880.
4. PERFORM CLEARING & GRUBBING REQUIRED FOR INSTALLATION OF SILT FENCE.
5. INSTALL SILT FENCE AND SLOPE PROTECTION. NOTIFY SEDIMENT CONTROL INSPECTOR AND OBTAIN APPROVAL BEFORE PROCEEDING FURTHER.
6. SAWCUT PAVEMENT FOR BUILDING ADDITION AND PAVING IMPROVEMENTS.
7. REMOVE ASPHALT PAVEMENT, INSTALL STABILIZED CONSTRUCTION ENTRANCE.
8. CONSTRUCT BUILDING ADDITION.
9. RAISE EXISTING WATER VALVE BOXES AND STEMS TO GRADE AND INSTALL 6" WATERLINE TO BUILDING ADDITION.
10. CONSTRUCT CONCRETE AND PAVING AROUND BUILDING ADDITION.
11. CLEAR, GRUB AND GRADE FOR NEW HANDICAPPED ACCESS RAMP.
12. CONSTRUCT NEW HANDICAPPED ACCESS RAMP.
13. SUBMIT AS-BUILT CERTIFICATION OF EXISTING SIMI POND.
14. NOTIFY SEDIMENT CONTROL INSPECTOR AND OBTAIN APPROVAL TO REMOVE ALL SEDIMENT AND EROSION CONTROLS.

LEGEND

- INLET PROTECTION
- SILT FENCE
- LIMIT OF DISTURBANCE
- STABILIZED CONSTRUCTION ENTRANCE



BOARD OF EDUCATION
850/380
ZONED: R-A-15



HANDICAPPED ACCESS RAMP DETAIL
SCALE: AS SHOWN

MARBLE HILL DEVELOPMENT
575 & 47
850/384
ZONED: R-A-15

SAMUEL B. BECHKES
889/387
ZONED: R-A-15

STANDARD STABILIZATION NOTE

Following initial soil redistribution, permanent or temporary stabilization shall be completed within seven (7) calendar days as to the surface of all perimeter controls, dikes, swales, ditches, perimeter slopes, and all slopes greater than 3 horizontal to 1 vertical (3:1); and fourteen (14) as to all other disturbed or graded areas on the project site.

Reviewed for Howard Soil Conservation District and meets technical requirements.

Patricia Engle 6/22/95
NATURAL RESOURCES CONSERVATION SERVICE DATE

These plans for sedimentation, soil erosion and sediment control meet the requirements of the Howard Soil Conservation District.

APPROVED: HOWARD SOIL CONSERVATION DISTRICT
6/22/95
PLAN NUMBER DATE

PURDUM and JESCHKE
CONSULTING ENGINEERS AND LAND SURVEYORS
1029 NORTH CALVERT STREET
BALTIMORE, MARYLAND 21202
TEL: (410)837-0194 FAX: (410)837-3431

OWNER/DEVELOPER
CAROLINA FREIGHT CARRIERS CORP.
HIGHWAY 50 - P.O. BOX 697
CHERRYVILLE, NC 28021

DEVELOPER'S CERTIFICATION
I/We hereby certify that all development and/or construction will be done according to these plans, and that any responsible personnel involved in the construction project will have a Certificate of Attendance of a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I shall engage a registered professional engineer to supervise construction and provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion. I also authorize periodic on-site inspections of the Howard Soil Conservation District.

Richard H. Berich 6/22/95
CAROLINA FREIGHT CARRIERS CORP. DATE

ENGINEER'S CERTIFICATION
I certify that this plan for sedimentation, erosion and sediment control represents a practical and verifiable plan based on my personal knowledge of the site conditions. This plan was prepared in accordance with the requirements of the Howard Soil Conservation District. I have notified the developer that he/she must engage a registered professional engineer to supervise construction and provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion.

Richard H. Berich 6/22/95
RICHARD H. BERICH, P.E. - REG. #0959 DATE

APPROVED: Howard County Department of Planning and Zoning

James B. Smith 7/19/95
DIRECTOR DATE

Jim Wynn 7/12/95
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

APPROVED: For public water, sewer, storm drain system, and public roads. Howard County Department of Public Works

James G. Lee 7/11/95
DIRECTOR DATE

Paul J. Brown 7/10/95
CHIEF, BUREAU OF ENGINEERING DATE



SITE DEVELOPMENT PLAN - ADDITION TO SDP 73-32 CAROLINA FREIGHT CARRIERS - INDUSTRIAL BUILDING ADDITION

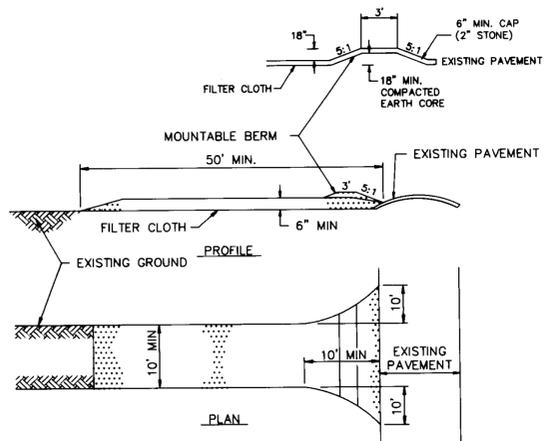
PROPOSED CONDITIONS PLAN

TAX MAP 38
1st ELECTION DISTRICT
DATE: JUNE 19, 1995

PARCEL 845
HOWARD COUNTY, MARYLAND
SDP-95-101

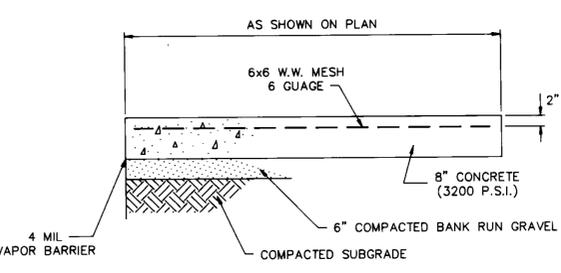
SHEET 2 OF 3
DES: GDT/CTM
DRAWN: REC
CHK: RHB

PLAN SCALE: 1"=50'
PROFILE SCALES:

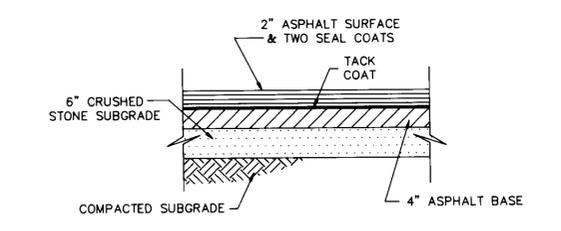


- CONSTRUCTION SPECIFICATIONS**
- STONE SIZE- USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
 - LENGTH- AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
 - THICKNESS- NOT LESS THAN SIX (6) INCHES.
 - WIDTH- TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
 - 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.
 - SURFACE WATER- ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
 - 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 CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
 - 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.
 - PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

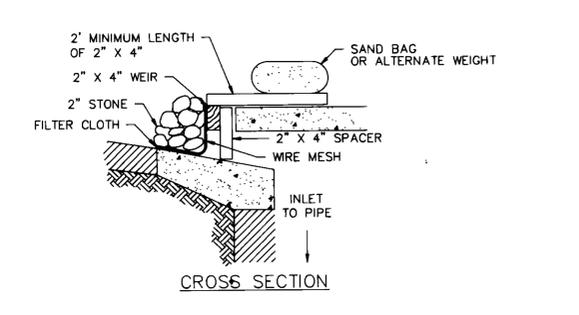
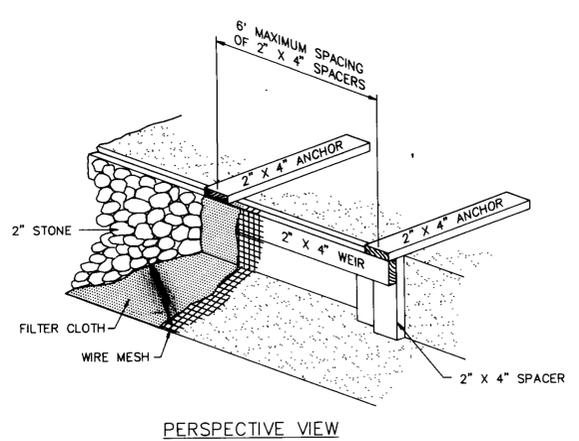
STABILIZED CONSTRUCTION ENTRANCE



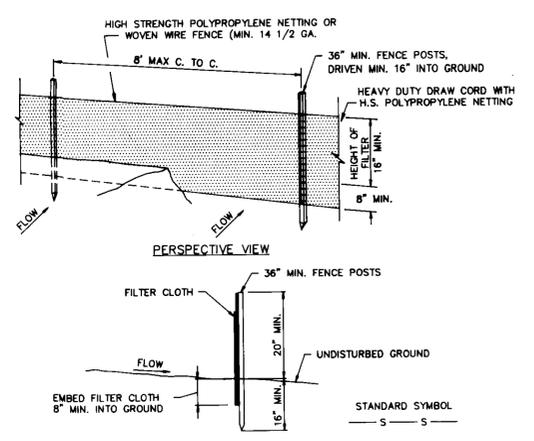
NEW CONCRETE SECTION



NEW PAVEMENT SECTION



CURB INLET PROTECTION DETAIL



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

- SILT FENCES MUST BE EMBEDDED, OR KEED IN, AT LEAST 8 INCHES INTO THE GROUND. LAYING THE LOWER EDGE OF THE FILTER FABRIC ON THE GROUND AND COVERING IT WITH SOIL IS NOT AN ACCEPTABLE METHOD OF KEYING IN. THE KEY-IN TRENCH CAN BE EXCAVATED BY HAND OR BY DITCHING EQUIPMENT. AFTER THE SILT FENCE IS CONSTRUCTED, THE TRENCH MUST BE BACKFILLED AND COMPACTED.
- FENCE POSTS MUST BE:
 - AT LEAST 36 INCHES LONG, AND
 - HAVE A CROSS SECTIONAL AREA OF AT LEAST 3 SQUARE INCHES IF WOOD OR
 - WEIGH AT LEAST 1 POUND PER LINEAR FOOT IF STEEL T OR U TYPE, AND
 - ON 10 FOOT MAXIMUM CENTERS, AND
 - DRIVEN AT LEAST 16 INCHES INTO THE GROUND.
- THE FILTER FABRIC MUST BE FASTENED SECURELY TO THE FENCE POSTS.
- WHEN TWO SECTIONS OF FILTER FABRIC ARE JOINED TOGETHER, THE JOINT MUST OCCUR AT A FENCE POST. THE ENDS OF THE FILTER FABRIC SHOULD BE OVERLAPPED BY AT LEAST 6 INCHES, FOLDED, AND FASTENED TO THE FENCE POST SO THAT NO GAPS IN THE FENCE OCCUR. MANUFACTURER'S RECOMMENDATIONS FOR JOINING FABRIC SECTIONS MAY BE FOLLOWED AS LONG AS THE RESULTING JOINT DOES NOT CREATE GAPS IN THE SILT FENCE.
- SILT FENCES MUST BE INSPECTED PERIODICALLY AND AFTER EACH RAIN EVENT AND MAINTENANCE PERFORMED AS NECESSARY.

SILT FENCE

DETAILS AND SPECIFICATIONS FOR VEGETATIVE ESTABLISHMENT

- SITE PREPARATION**
- Temporary perimeter dikes and silt traps, etc., are to be provided as per this plan prior to grading operations with location adjustments to be made in the field as necessary and to be maintained at the end of the working day. The minimum area protected shall be disturbed for the minimum amount of time possible.
 - Permanent seeding:
 - Seeded preparation: Area to be seeded shall be loose and friable to a depth of at least 3 inches. The top layer shall be loosened by raking, disking, or other acceptable means before seeding occurs. In lieu of soil test results, apply 50 lbs. of dolomitic limestone and 25 lbs. of 10-10-10 fertilizer per 1,000 square feet. Harrow or disk lime and fertilizer into the soil to a depth of at least 3 inches on slopes flatter than 3:1. No attempt should be made to drag any disked area to make the soil surface smooth after disking.
 - Seeding: Apply 5-6 lbs. per 1,000 square feet of Kentucky 31 Tall Fescue between February 1 and April 30 or between August 15 and October 31. Apply seed uniformly with a cyclone seeded drill, cultipacker seeder or hydroseeder (slurry includes seeds and fertilizer, recommended on steep slopes only) on a moist, firm seedbed. Maximum seed depth should be 1/4 inch on clayey soils and 1/2 inch in sandy soils when using other than the hydroseeder method. Irrigate if soil moisture is deficient to support adequate growth, until vegetation is firmly established.
 - Mulching: Mulch shall be unchopped, unrotted, small grain straw applied at a rate of 70 to 90 lbs. per 1,000 square feet. Mulch materials shall be relatively free of all kinds of weeds and shall be free of prohibited noxious weeds which are: Canada Thistle, Johnsongrass, and Quackgrass. Spread mulch mechanically or uniformly by hand; mulch anchoring shall be accomplished immediately after mulch placement to minimize loss by wind or water. This may be done by peg and twine method, mulch anchoring tool, netting, or liquid mulch binders.
 - Temporary seeding:

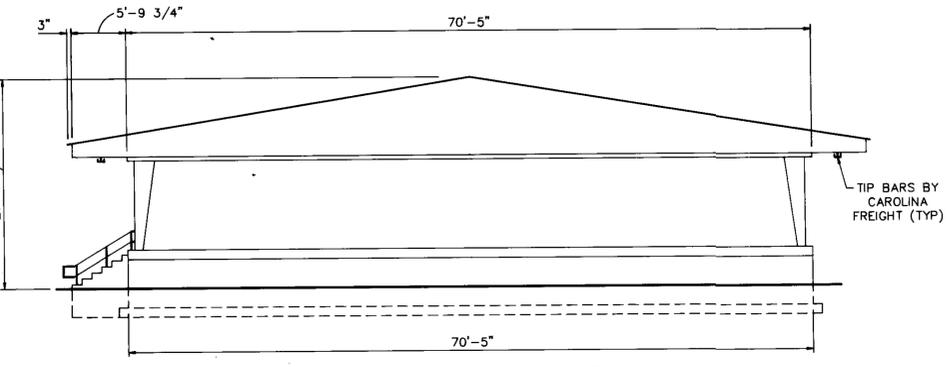
Lime:	50 lbs. of dolomitic limestone per 1,000 square feet
Fertilizer:	15 lbs. of 10-10-10 per 1,000 square feet
Seed:	Perennial Ryegrass - 0.92 lbs. per 1,000 square feet (Feb. 1 through April 30 or Aug. 15 through Nov. 1) Millet - 0.92 lbs. per 1,000 square feet (May 1 - Aug. 15)
Mulch:	Same as above. (Nov. 2 through Jan. 31, use mulch only)
 - No fills may be placed on frozen ground. All fill to be placed in approximately horizontal layers, each layer having a loose thickness of not more than 8 inches. All fill in roadways and parking areas is to be classified Type 2 and compacted to 90 percent density; compaction to be determined by ASTM D-1557 (Modified Proctor). Any fill within building area to be compacted to a minimum of 95% as determined by methods previously mentioned. All other fills shall be compacted sufficiently so as to be stable and prevent erosion and slippage.

SEDIMENT CONTROL 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) .1, .11, .5
- 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 MARYLAND 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) 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 above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) and temporary seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch done can only be done when recommended seeding dates 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	14.47 Acres
Area Disturbed	86,674 SF
Area to be roofed or paved	7,533 Acres
Area to be vegetatively stabilized	N/A
Total Cut	39 Cu. yds.
Total Fill	2,728 Cu. yds.
Offsite waste/borrow area location	N/A
- 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. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.

CONSTRUCTION SPECIFICATIONS CURB INLET PROTECTION DETAIL



NORTH ELEVATION of BUILDING ADDITION

- ATTACH A CONTINUOUS PIECE OF WIRE MESH (30\"/>
- PLACE A CONTINUOUS PIECE OF GEOTEXILE CLASS E THE SAME DIMENSIONS AS THE WIRE MESH OVER THE WIRE MESH AND SECURELY ATTACH IT TO THE 2\"/>
- SECURELY NAIL THE 2\"/>
- PLACE THE ASSEMBLY AGAINST THE INLET THROAT AND NAIL (MINIMUM 2\"/>
- THE ASSEMBLY SHALL BE PLACED SO THAT THE END SPACERS ARE A MINIMUM 1' BEYOND BOTH ENDS OF THE THROAT OPENING.
- FORM THE 1/2\"/>
- THIS TYPE OF PROTECTION MUST BE INSPECTED FREQUENTLY AND THE FILTER CLOTH AND STONE REPLACED WHEN CLOGGED WITH SEDIMENT.
- ASSURE THAT STORM FLOW DOES NOT BYPASS THE INLET BY INSTALLING A TEMPORARY EARTH OR ASPHALT DIKE TO DIRECT THE FLOW TO THE INLET.

Reviewed for Howard Soil Conservation District and meets technical requirements.

Robert E. Galt 6/27/95
NATURAL RESOURCES CONSERVATION SERVICE DATE

These plans for ~~the~~ construction, soil erosion and sediment control meet the requirements of the Howard Soil Conservation District.

APPROVED: HOWARD SOIL CONSERVATION DISTRICT
Robert E. Galt 6/27/95
PLAN NUMBER DATE

64140ET.dwg 06/19/95 7:35am EDT

PURDUM and JESCHKE
CONSULTING ENGINEERS AND LAND SURVEYORS
1029 NORTH CALVERT STREET
BALTIMORE, MARYLAND 21202
TEL:(410)387-0194 FAX:(410)387-3431

OWNER/DEVELOPER

CAROLINA FREIGHT CARRIERS CORP.
HIGHWAY 50 - P.O. BOX 697
CHERRYVILLE, NC 28021

DEVELOPER'S CERTIFICATION

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Robert E. Galt 6/27/95
CAROLINA FREIGHT CARRIERS CORP. DATE

ENGINEER'S CERTIFICATION

I certify that this plan for pond construction, erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions. This plan was prepared in accordance with the requirements of the Howard Soil Conservation District. I have notified the developer that he/she must engage a registered professional engineer to supervise pond construction and provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion.

Richard H. Berich 6/20/95
RICHARD H. BERICH, P.E. - REG. #10959 DATE

APPROVED: Howard County Department of Planning and Zoning

John J. Smith 7/13/95
DIRECTOR DATE

Quinn Sharmann 7/13/95
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

APPROVED: For public water, sewer, storm drain system, and public roads, Howard County Department of Public Works

James A. Smith 7/6/95
DIRECTOR DATE

Robert E. Galt 7/10/95
CHIEF, BUREAU OF ENGINEERING 06/27/95 DATE



SITE DEVELOPMENT PLAN - ADDITION TO SDP 73-32
CAROLINA FREIGHT CARRIERS - INDUSTRIAL BUILDING ADDITION

SEDIMENT CONTROL DETAILS AND NOTES

TAX MAP 38
1st ELECTION DISTRICT
DATE: JUNE 19, 1995

PARCEL 845
HOWARD COUNTY, MARYLAND
SDP-95-101

SHEET 3 OF 3
DES: GDT/CTM
DRAWN: REC
CHK: RHB
PLAN SCALE:
PROFILE SCALES:

SDP-95-101