

| SHEET INDEX | |
|-------------|--|
| NO. | DESCRIPTION |
| 1 | TITLE SHEET |
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| 3 | DETAIL SHEET |
| 4 | DRAINAGE AREA MAP, SWM AND SEDIMENT CONTROL PLAN |
| 5 | SEDIMENT CONTROL DETAILS, NOTES AND SWM DETAILS |
| 6 | PLANTING PLAN |

SITE DEVELOPMENT PLAN

SPEC. 10 BUILDING

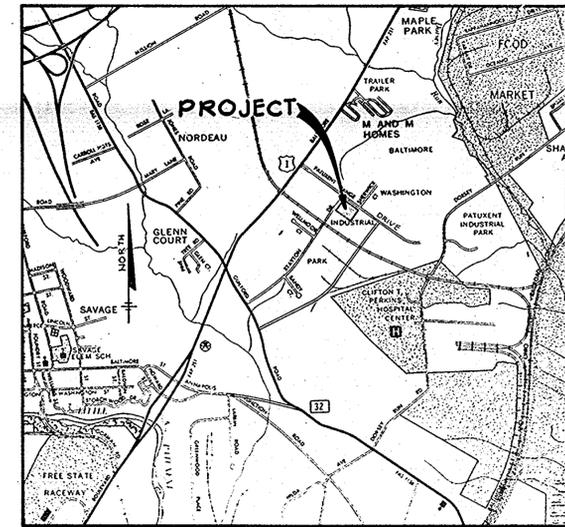
BALTIMORE - WASHINGTON

INDUSTRIAL PARK

SECTION 1 PARCEL B-1 BLOCK D

6TH ELECTION DISTRICT

HOWARD COUNTY, MARYLAND



VICINITY MAP
Scale: 1" = 2,000'

GENERAL NOTES

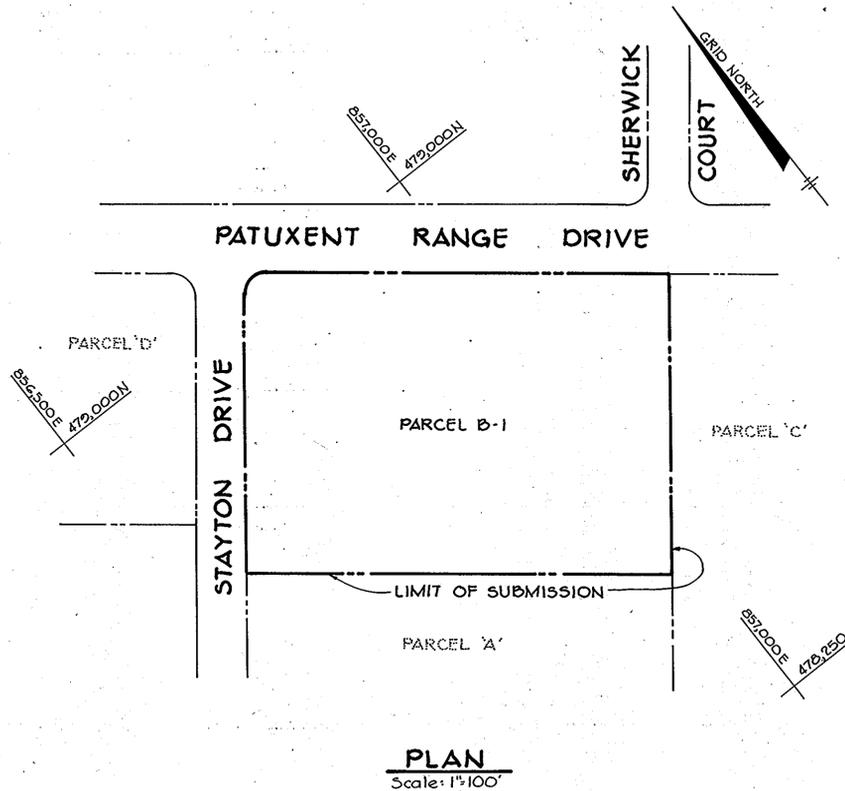
- ALL WATER LINES SHALL BE CONSTRUCTED A MINIMUM OF 42" COVER BELOW FINISHED GRADE.
- CORRUGATED STEEL PIPE SECTIONS WILL BE JOINED WITH A SINGLE OR TWO PIECE CORRUGATED BAND WITH A WATERTIGHT NEOPRENE GASKET. DIMPLE BAND CONNECTORS WILL NOT BE PERMITTED.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, I.E., STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES, WHERE DIRECTED BY THE ENGINEER, A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS.
- CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS:

| | |
|---|-------------------|
| C & P TELEPHONE COMPANY | 725-9976 |
| HOWARD COUNTY BUREAU OF UTILITIES | 992-2366 |
| AT&T CABLE LOCATION DIVISION | 393-3553 |
| BALTIMORE GAS AND ELECTRIC COMPANY | 685-0123 |
| STATE HIGHWAY ADMINISTRATION | 531-5533 |
| HOWARD COUNTY CONSTRUCTION/INSPECTION SURVEY DIVISION (24 HOURS NOTICE PRIOR TO COMMENCEMENT OF WORK) | 992-2417/ 2418 |
- ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALLS.
- PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
- NO PIPE SHALL BE LAID UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT TO SUBGRADE.
- TOPO TAKEN FROM FIELD RUN SURVEY DATED MARCH, 1982 BY HUDKINS ASSOCIATES, INC.

SITE DATA

| | |
|---|-------------------------|
| TOTAL AREA OF SITE | 4.037 Ac. |
| SEWER SYSTEM | PUBLIC |
| WATER SYSTEM | PUBLIC |
| EXISTING ZONING | M-2 MANUFACTURING HEAVY |
| PROPOSED BUILDING USE | OFFICE - WAREHOUSE |
| PROPOSED BUILDING AREA - SINGLE STORY | |
| OFFICE | 10,800± |
| WAREHOUSE | 61,200± |
| TOTAL - GROSS LEASEABLE AREA | 72,000± |
| PARKING | |
| OFFICE - 10,800± OF OFFICE SPACE @ 150± PER EMPLOYEE = 72 EMPLOYEES | 51 |
| 7 PARKING SPACES PER 10 EMPLOYEES | 125 |
| WAREHOUSE - 61,200± OF WAREHOUSE WITH ONE PARKING SPACE PER TWO EMPLOYEES WITH MAXIMUM 96 EMPLOYEES PER SHIFT | 18 |
| TOTAL | 196 |
| OPEN SPACE (LANDSCAPED AREA) | 20% REQUIRED |
| IMPERVIOUS AREA | 2.27 Ac. |
| AREA TO BE RESEEDED | 1.77 Ac. |

NOTE: COMPLIANCE WITH HOWARD COUNTY PARKING REQUIREMENTS IS THE RESPONSIBILITY OF THE OWNER



PLAN
Scale: 1" = 100'

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

James M. Eyles 10-7-82
COUNTY HEALTH OFFICER S.S. DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
Thomas J. Davis 10-7-82
PLANNING DIRECTOR DATE

William M. ... 10-7-82
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
John F. Nemy 10-5-82
DIRECTOR DATE

William E. ... 10-5-82
CHIEF, BUREAU OF ENGINEERING DATE

| DATE | NO. | REVISION |
|------|-----|----------|
|------|-----|----------|

OWNER/DEVELOPER
NORWOOD INDUSTRIAL CONSTRUCTION CO., INC.
2130 E RED BRANCH ROAD
COLUMBIA, MARYLAND 21045

PROJECT: BALTO - WASH. INDUSTRIAL PARK
SECTION 1, BLOCK 'D'
PARCEL B-1

RECORD PLAT RECORDING REFERENCE NO. 4463
AREA TAX MAP NO. 48
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE: TITLE SHEET

TR **Riemer - Tracy & Associates, Inc.**
8659 Baltimore National Pike
Escott City, Maryland 21043
(301) 461-2690
Land Planning, Design & Civil Engineering

| | |
|--|---------------------|
| 4-20-82 DATE | DESIGNED BY: R.J.W. |
| APPROVED DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION HOWARD COUNTY, MARYLAND DATE 7-21-82 | DRAWN BY: J.E.S. |
| DATE | PROJECT NO: 0082 |
| DATE: 4-20-82 | SCALE: AS SHOWN |
| SCALE: AS SHOWN | DRAWING NO. 1 OF 6 |

| STRUCTURE SCHEDULE | | | | | | |
|--------------------|--------------------------|----------|---------|----------|---------------|--------------------------------|
| NO. | TYPE | LOCATION | INV. IN | INV. OUT | TOP ELEVATION | DESCRIPTION |
| I-1 | Type 'D' Inlet | See Plan | - | 251.83 | 255.29* | H.C. STD. 4.11 w/Grating Cover |
| S-1 | 5'-0" Precast Manhole | See Plan | 251.41 | 250.91 | 257.54 | See Detail Drawing No. 5 |
| E-1 | 24" Concrete End Section | See Plan | 251.54 | - | 255.29 | H.C. STD. 5.51 |

*At Throat Opening.

NORTH ELEVATION
No Scale

ZONED M-2

PATUXENT RANGE DRIVE

SHERWICK COURT

ZONED M-2

F.F. 263.40

PROPERTY OF
B.W.I.P., INC.
SECTION 1, BLOCK 'D'
PARCEL 'C'
L. 707, F. 352

ZONED M-2

B.W.I.P.
SECTION 1, BLOCK 'D'
PARCEL 'A'
PLAT BOOK 17, FOLIO 100
ZONE M-2
PLAN
Scale: 1"=30'

NOTE:
THE HEIGHT OF EXISTING CLEANOUT ON
EXISTING SEWER SERVICE CONNECTION
FOR PARCEL C SHALL BE LOWERED AS
NECESSARY TO MATCH PROPOSED GRADES.

APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE **7-21-82**

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

Joseph Bodus 10-7-82
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

Thomas S. Harrel 10-7-82
PLANNING DIRECTOR DATE

John M. ... 10-7-82
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Walter F. ... 10-5-82
DIRECTOR DATE

... 10-5-82
CHIEF, BUREAU OF ENGINEERING DATE

| DATE | NO. | REVISION |
|------|-----|----------|
| | | |

OWNER/DEVELOPER
NORWOOD INDUSTRIAL CONSTRUCTION CO., INC.
9130 E RED BRANCH ROAD
COLUMBIA, MARYLAND 21045

PROJECT: BALTO. WASH. INDUSTRIAL PARK
SECTION 1, BLOCK 'D'
PARCEL B-1
RECORD PLAT RECORDING REFERENCE NO. 4483

AREA TAX MAP NO. 48
6th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

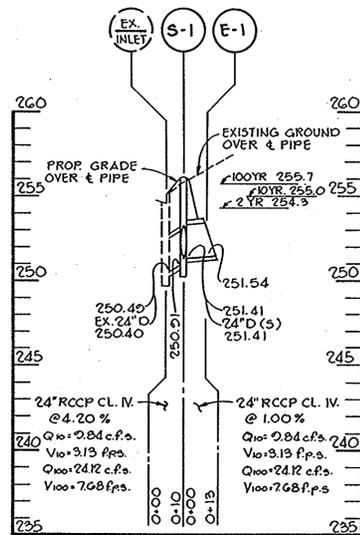
TITLE: SITE DEVELOPMENT PLAN

Riemer - Tracy & Associates, Inc.
8659 Baltimore National Pike
Ellicott City, Maryland 21043
(301) 481-2690
Land Planning, Design & Civil Engineering

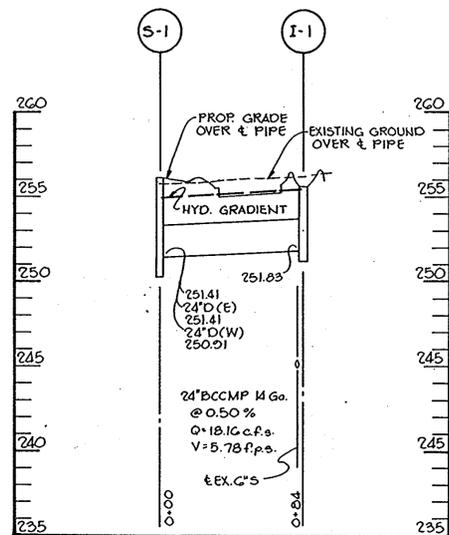
4-20-82
DATE

DESIGNED BY: R.J.W.
DRAWN BY: T.E.S.
PROJECT NO: 0582
DATE: 4-20-82
SCALE: AS SHOWN
DRAWING NO. 2 OF 6

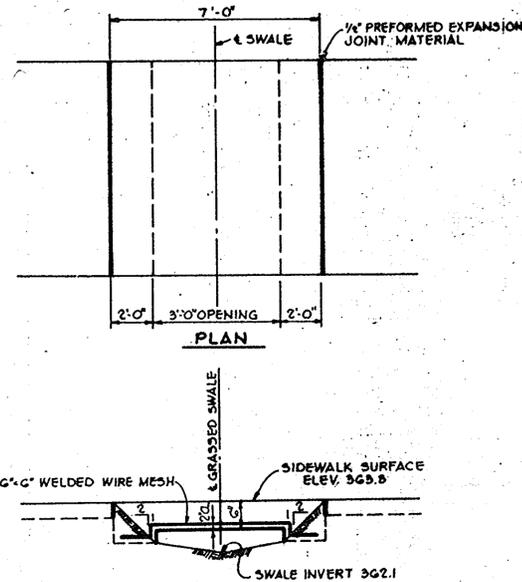
James K. ...
PROFESSIONAL ENGR. NO. 9666



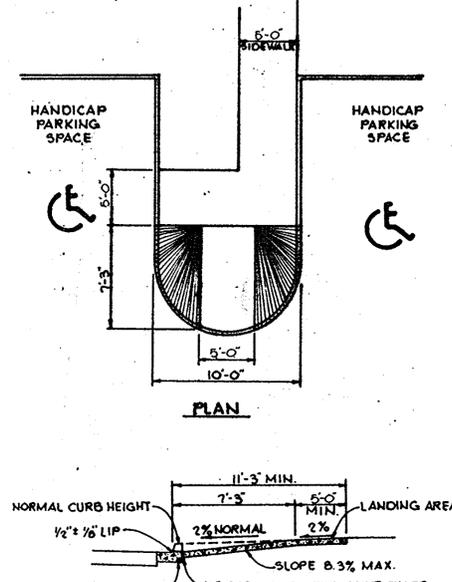
SPILLWAY PROFILE
H: 1"=50"
Scale: V: 1"=5'



PROFILE
H: 1"=50"
Scale: V: 1"=5'



CONCRETE SIDEWALK SWALE SPAN
No Scale

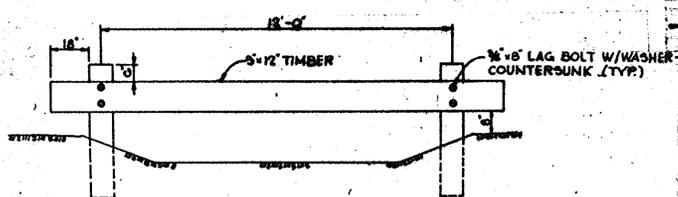


SIDEWALK RAMP
No Scale

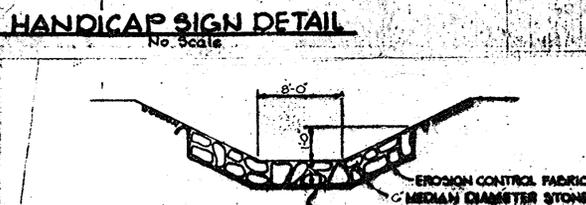


HANDICAP SIGN DETAIL
No Scale

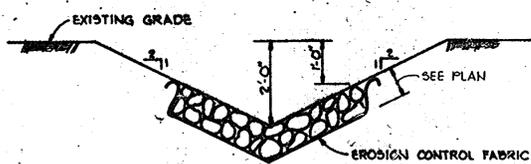
NOTE: INSTALL ONE HANDICAP SIGN AT EACH HANDICAP PARKING SPACE AS SHOWN ON PLAN



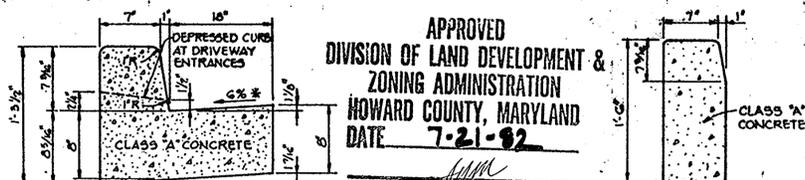
TREATED TIMBER BARRICADE
No Scale



RIPRAP CHANNEL
No Scale

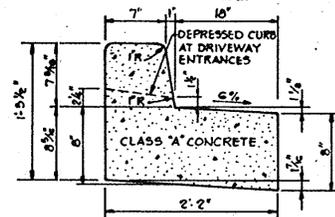


RIPRAP CHANNEL
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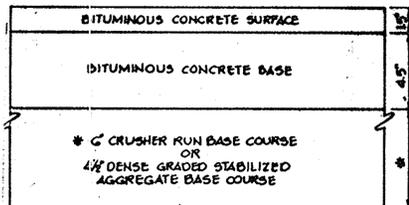


STANDARD BARRIER CURB
No Scale

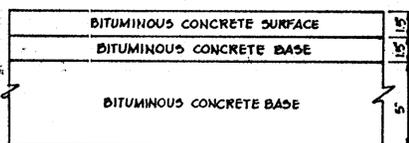
STANDARD 7" COMBINATION CURB AND GUTTER
No Scale



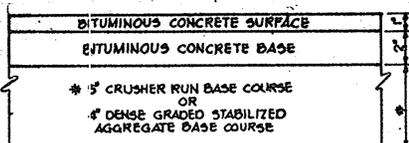
REVERSE 7" COMBINATION CURB AND GUTTER
No Scale



(8" PAVING, P-3)



(ALTERNATE)

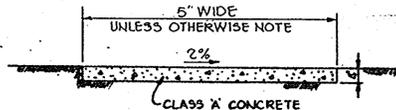


(5" PAVING, P-1)

TYPICAL PAVING SECTIONS
No Scale

APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 7-21-82

HOWARD COUNTY STANDARD



SIDEWALK DETAIL
No Scale

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

John G. ... 10-7-82
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
James L. ... 10-7-82
PLANNING DIRECTOR DATE

William M. ... 10-7-82
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Henry F. ... 10-5-82
DIRECTOR DATE

William S. ... 10-5-82
CHIEF, BUREAU OF ENGINEERING DATE

OWNER/DEVELOPER
NORWOOD INDUSTRIAL CONSTRUCTION CO., INC.
9130 E RED BRANCH ROAD
COLUMBIA, MARYLAND 21045

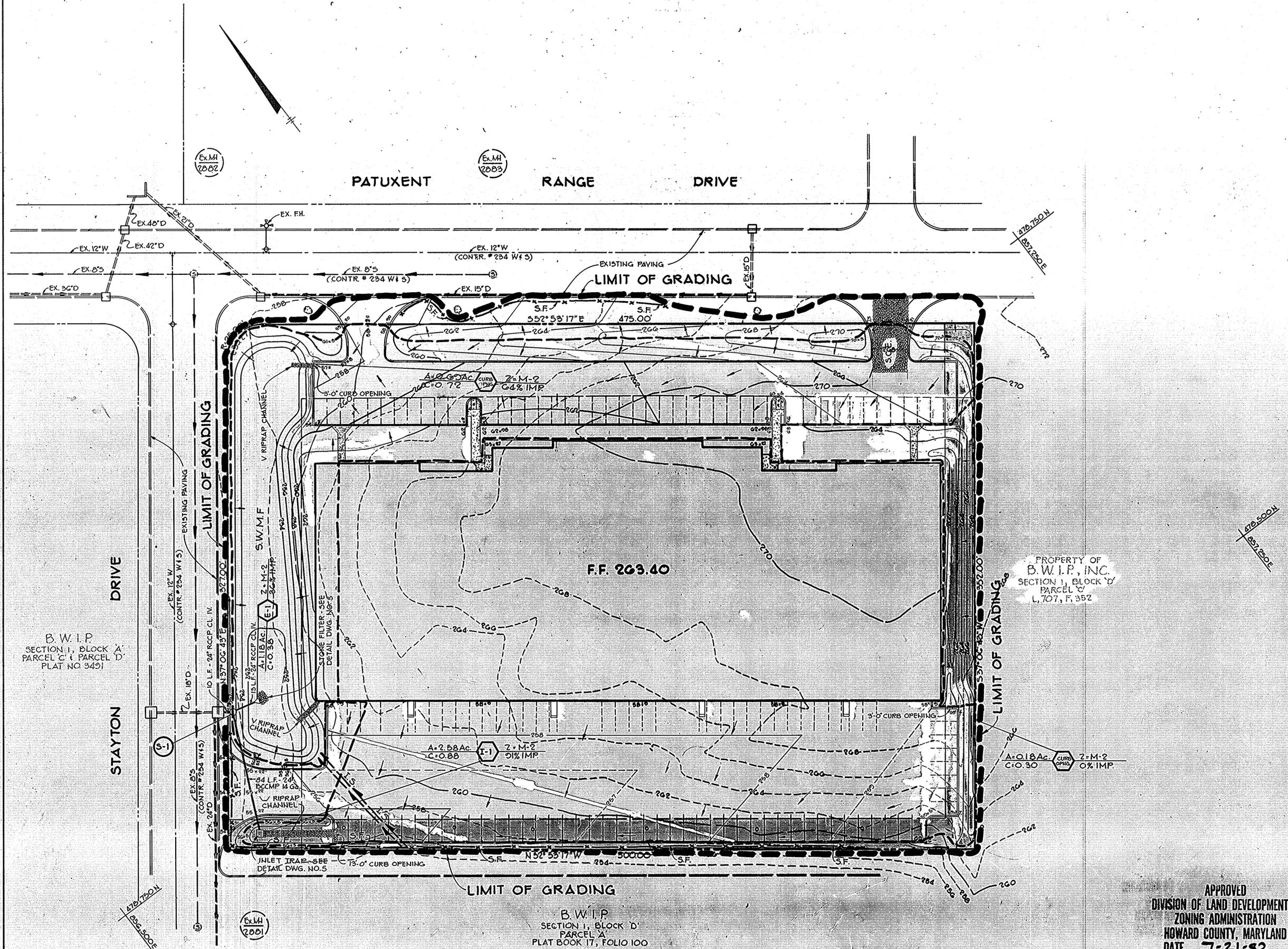
PROJECT: BALTO.-WASH. INDUSTRIAL PARK
SECTION 1, BLOCK 'D'
PARCEL B-1
RECORD PLAT RECORDING REFERENCE NO. 4483
AREA TAX MAP NO. 48
8TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE: DETAILS AND STORM DRAIN PROFILES

Riemer - Tracy & Associates, Inc.
8659 Baltimore National Pike
Ellicott City, Maryland 21043
(301) 461-2690
Land Planning, Design & Civil Engineering

DATE 4-20-82
DESIGNED BY: R.J.W.
DRAWN BY: D.A.M.
PROJECT NO: 0082
DATE: 4-20-82
SCALE: AS SHOWN
DRAWING NO. 3 OF 6





BY THE DEVELOPER:
 "I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY 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."
 DEVELOPER: Alex Lindengren DATE: 4/20/82

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."
 ENGINEER: James K. Tracy DATE: 4-20-82

REVIEWED FOR Howard NAME: _____ S.C.D.
 AND MEETS TECHNICAL REQUIREMENTS.
James M. Nelson DATE: 10-4-82
 U.S. SOIL CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
William T. Hume DATE: 10-1-82
 HOWARD S.C.D.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT.
Joseph B. ... DATE: 10-7-82
 COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
Thomas L. ... DATE: 10-7-82
 PLANNING DIRECTOR

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION
John M. ... DATE: 10-7-82

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
George F. ... DATE: 10-5-82
 DIRECTOR

CHIEF, BUREAU OF ENGINEERING
William S. ... DATE: 10-5-82

| DATE | NO. | REVISION |
|------|-----|----------|
| | | |

OWNER/DEVELOPER
 NORWOOD INDUSTRIAL CONSTRUCTION CO., INC.
 9130 E. RED BRANCH ROAD
 COLUMBIA, MARYLAND 21045

PROJECT: BALTO. WASH. INDUSTRIAL PARK SECTION 1, BLOCK 'D' PARCEL B-1
 RECORD PLAT RECORDING REFERENCE NO. 4403

AREA: TAX MAP NO. 48
 6th ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE: DRAINAGE AREA MAP, S.W.M. AND SEDIMENT CONTROL PLAN

Riemer Tracy & Associates, Inc.
 8659 Baltimore National Pike
 Ellicott City, Maryland 21043
 (301) 461-2690
 Land Planning, Design & Civil Engineering

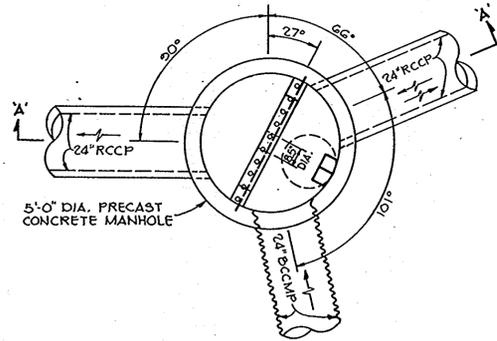
DATE: 4-20-82

DESIGNED BY: R.J.W.
 DRAWN BY: T.E.S.
 PROJECT NO: 0082
 DATE: 4-20-82
 SCALE: 1" = 30'
 DRAWING NO. 4 OF 6

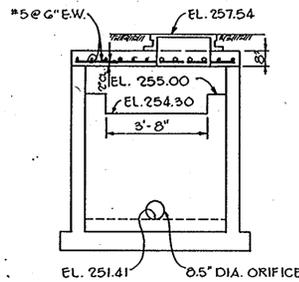
APPROVED
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE: 7-21-82

James K. Tracy
 PROFESSIONAL ENGR. NO. 5566

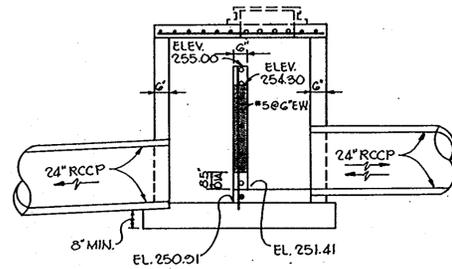
NOTE:
CARRY REINFORCING STEEL INTO WALLS AND BASE A MINIMUM OF 4" GROUT AROUND STEEL PRIOR TO POURING WEIR.



PLAN



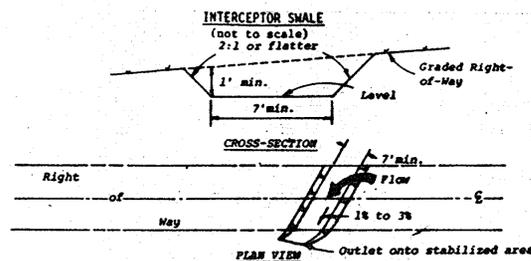
WEIR ELEVATION



SECTION A-A

STORM WATER MANAGEMENT CONTROL STRUCTURE S-1

No Scale

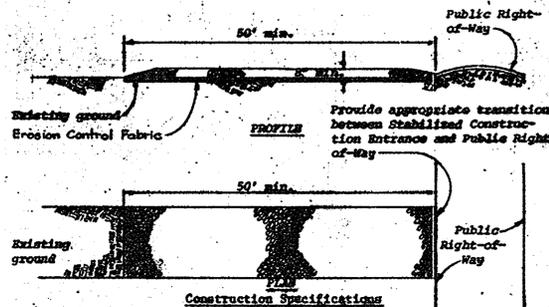


INTERCEPTOR SWALE

- All trees, brush, stumps, obstructions, and other objectionable material shall be removed and disposed of so as not to interfere with the proper functioning of the swale.
- The swale shall be excavated or shaped to line, grade, and cross section as required to meet the criteria specified herein and be free of bank projections or other irregularities which will impede normal flow.
- Fills shall be compacted as needed to prevent unequal settlement that would cause damage in the complete swale.
- All earth removed and not needed in construction shall be spread or disposed of so that it will not interfere with the functioning of the swale.
- Interceptor swales shall have a minimum grade of one percent and the bottom shall be level.
- An interceptor swale shall have an outlet that functions with a minimum of erosion.
- Runoff shall be conveyed to a sediment trapping device such as a sediment trap or sediment basin.
- The on-site location may need to be adjusted to meet field conditions in order to utilize the most suitable outlet.
- Stabilization shall be: (1) in accordance with the Standard and Specifications for Grassed Waterway; or (2) by lining the flow area with stone that meets MSHA size No. 2 or AASHTO M43 size No. 2 or 24 in a layer at least 3 inches in thickness and pressed into the soil. The lining shall extend across the bottom and up both sides of the channel a height of at least 8 inches vertically above the bottom.
- Periodic inspection and required maintenance shall be provided.

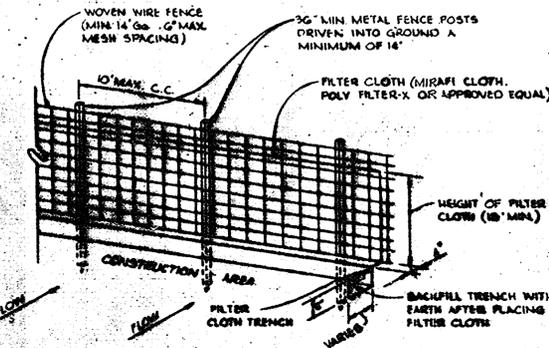
INTERCEPTOR SWALE

No Scale



STABILIZED CONSTRUCTION ENTRANCE

No Scale



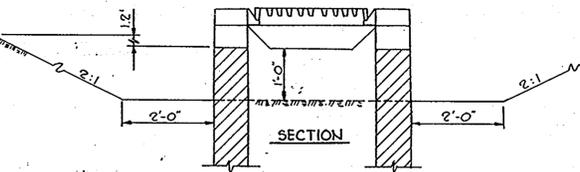
SILT FENCE DETAIL

No Scale



STONE FILTER @ E-1

No Scale



INLET SEDIMENT TRAP DETAIL @ I-1

No Scale

SEDIMENT CONTROL CONSTRUCTION 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 (922-2070).
- ALL SEDIMENT CONTROL STRUCTURES WILL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS AS PREPARED BY THE U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE.
- SITE GRADING WILL BEGIN ONLY AFTER ALL PERIMETER SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED AND ARE IN A FUNCTIONING CONDITION.
- ALL DISTURBED AREAS ARE TO BE DRESSED AND STABILIZED ACCORDING TO THE TEMPORARY OR PERMANENT SEEDING SCHEDULES AS SOON AS PROPER WEATHER CONDITIONS EXIST FOR THE ESTABLISHMENT OF A PERMANENT VEGETATIVE COVER.
- SEDIMENT WILL BE REMOVED FROM TRAPS WHEN THE DEPTH REACHES THE CLEAN OUT ELEVATION SHOWN ON THE PLANS.
- FERTILIZER AND LIME RATES MAY BE CHANGED THROUGH AUTHORIZATION BY THE HOWARD SOIL CONSERVATION DISTRICT IF SOIL TESTS DETERMINE A REDUCTION IN THE SPECIFIED RATES IS JUSTIFIED.
- 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.
- REFERENCES CALLED FOR ON THE SEDIMENT CONTROL CONSTRUCTION PLAN AND DETAILS ARE MADE TO "THE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS".
- SEDIMENT CONTROL WILL BE INSTALLED BEFORE CLEARING AND GRUBBING REMAINDER OF SITE.

TEMPORARY SEEDING

- AREA TO BE SEEDDED SHALL BE RECENTLY LOOSENEED. IF THE GROUND IS PACKED, CRUSTED OR HARD, THE TOP LAYER OF SOIL SHALL BE LOOSENEED BY DISCING, RACKING OR OTHER ACCEPTABLE MEANS.
- APPLY 10-20-10 FERTILIZER (OR EQUIVALENT) AT THE RATE OF 600 LBS. PER ACRE OR 15 LBS. PER 1000 SQ. FT.
- WHERE SOIL IS KNOWN TO BE HIGHLY ACID, APPLY DOLOMITIC LIMESTONE AT THE RATE OF 1 TON PER ACRE.
- WORK BOTH INTO SOIL AND SEED WITH CYCLONE SEEDER, DRILL, CULTIPAKER SEEDER OR HYDROSEEDER (SLURRY WILL INCLUDE SEED AND FERTILIZER) AT THE RATE OF 40 LBS. PER ACRE OF ITALIAN OR PERENNIAL RYEGRASS.
- MULCH WITH UNWEATHERED SMALL GRAIN STRAW AT THE RATE OF 1 1/2 TO 2 TONS PER ACRE AND ANCHOR WITH A CUTBACK ASPHALT OR EMULSIFIED ASPHALT AT THE RATE OF 5 GAL. PER 1000 SQ. FT.

PERMANENT SEEDING

- FINAL STABILIZATION WILL TAKE PLACE AS SOON AS POSSIBLE AS WEATHER CONDITIONS PERMIT, AS FOLLOWS:
- APPLY DOLOMITIC LIMESTONE AT THE RATE OF 2 TONS PER ACRE (ONE TON PER ACRE IF APPLICATION OF TON PER ACRE WAS MADE FOR TEMPORARY SEEDING).
- APPLY 0-20-20 FERTILIZER AT THE RATE OF 600 LBS. PER ACRE HARROW OR DISC LIME AND 0-20-20 FERTILIZER INTO THE SOIL TO A MINIMUM DEPTH OF 3" LAMNS OR HIGH MAINTENANCE AREAS WILL BE DRAGGED AND LEVELED WITH A YORK RAKE. AT THE TIME OF SEEDING APPLY 400 POUNDS OF 38-0-0 UREAFORM FERTILIZER AND 500 LBS. OF 10-20-20 OR EQUIVALENT FERTILIZER PER ACRE.
- SEED WITH A MIXTURE OF CERTIFIED "MERION" KENTUCKY BLUEGRASS - 40 LBS. PER ACRE; COMMON KENTUCKY BLUEGRASS @ 40 LBS. PER ACRE; RED FESCUE, PENNLAWN OR JAMESTOWN @ 20 LBS. PER ACRE.
- MULCH WITH UNWEATHERED SMALL GRAIN STRAW AT THE RATE OF 1 1/2 TO 2 TONS PER ACRE AND ANCHOR WITH A CUTBACK ASPHALT OR EMULSIFIED ASPHALT AT THE RATE OF 5 GAL. PER 1000 SQ. FT.
- SEED ALL SLOPES WITH A MIXTURE OF CERTIFIED KENTUCKY 31 TALL FESCUE @ 50 LBS. PER ACRE AND INOCULATED KOREAN LESPEDEZA @ 15 LBS. PER ACRE.

SEQUENCE OF CONSTRUCTION

- OBTAIN A GRADING PERMIT.
- INSTALL STABILIZED CONSTRUCTION ENTRANCE.
- INSTALL SILT FENCE.
- INSTALL STORM WATER MANAGEMENT FACILITY/SEDIMENT TRAP WITH STONE FILTER.
- INSTALL INTERCEPTOR SWALE.
- GRADE SITE.
- INSTALL STORM DRAINS. CONSTRUCT INLET TRAP @ I-1
- COMPLETE SITE WORK AND STABILIZE ALL DISTURBED AREAS IN ACCORDANCE WITH PERMANENT SEEDING NOTES.
- UPON APPROVAL OF THE SOIL CONSERVATION SERVICE INSPECTOR, REMOVE ALL SEDIMENT CONTROL DEVICES AND CONVERT THE SEDIMENT TRAP TO THE STORM WATER MANAGEMENT FACILITY AS FOLLOWS:
 - PUMP OUT IMPOUNDED WATER.
 - REMOVE SILT AND STONE FILTER AT E-1 AND RESTORE TRAP TO ORIGINAL DIMENSIONS.
 - REMOVED SILT SHALL BE SPREAD ON SITE IN AREA BETWEEN PARKING DRIVE AND PROPERTY LINE AND STABILIZED IN ACCORDANCE WITH PERMANENT SEEDING NOTES.

APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 7-21-82

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

John Boyer 10-7-82
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

Thomas M. Harp 10-7-82
PLANNING DIRECTOR DATE

John M. Macdonald 10-7-82
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Steve E. Nunn 10-5-82
DIRECTOR DATE

John M. Macdonald 10-5-82
CHIEF, BUREAU OF ENGINEERING DATE

BY THE DEVELOPER:

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY 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."

Alex Lindengren 4/22/82
DEVELOPER ALEX LINDENGREN 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.

James K. Tracy 4-20-82
JAMES K. TRACY DATE

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

James M. Helm 10-9-82
U.S. SOIL CONSERVATION SERVICE DATE

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

Howard S.C.D. DATE

| DATE | NO. | REVISION |
|------|-----|----------|
| | | |

OWNER/DEVELOPER
NORWOOD INDUSTRIAL CONSTRUCTION CO., INC.
2130 E RED BRANCH ROAD
COLUMBIA, MARYLAND 21045

PROJECT: BALTO.-WASH. INDUSTRIAL PARK
SECTION 1, BLOCK 'D'
PARCEL B-1
RECORD PLAT RECORDING REFERENCE NO. 4483

AREA TAX MAP NO. 48
C² ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE: SEDIMENT CONTROL DETAILS, NOTES
AND STORM WATER MANAGEMENT DETAILS

Rierner-Tracy & Associates, Inc.
8659 Baltimore National Pike
Ellicott City, Maryland 21043
(301) 461-2690
Land Planning, Design & Civil Engineering

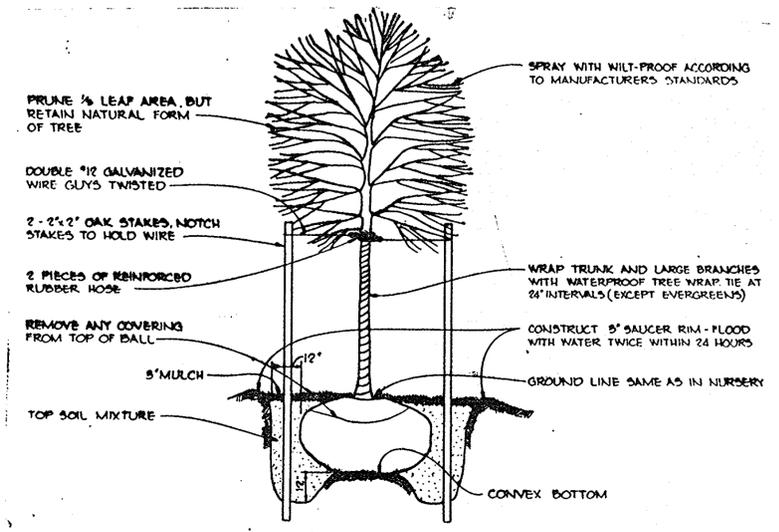
4-20-82
DATE

DESIGNED BY: R.J.W.
DRAWN BY: T.E.S.
PROJECT NO: 0082
DATE: 4-20-82
SCALE: AS SHOWN
DRAWING NO. 5 OF 6

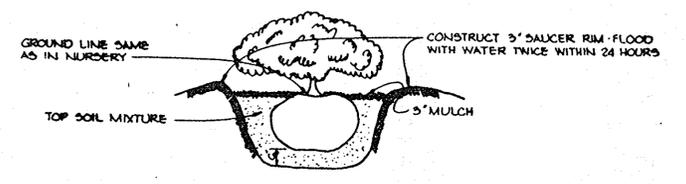
James K. Tracy
PROFESSIONAL ENGR. NO. 2565

| QUANTITY | KEY AND SYMBOL | NAME | SPECIFICATIONS | | |
|----------|----------------|--|----------------|------|--------|
| | | | CAL. | ROOT | HEIGHT |
| 16 | A.R. | SHADE TREES: October Glory Maple Acer rubrum | 2 1/2' | B&B | - |
| 6 | Q.B. | Northern Red Oak Quercus borealis | | | |
| 13 | Q.P. | Pin Oak Quercus palustris | | | |
| 8 | P.B. | FLOWERING TREES: Callery Pear Pyrus Calleryana bradford | - | B&B | 8'-10' |
| 132 | | SHRUBS: Canada Yew - Taxus Canadensis | - | B&B | 24" |
| 9 | P.S. | EVERGREEN TREES: Eastern White Pine Pinus strobus | - | B&B | 6'-8' |

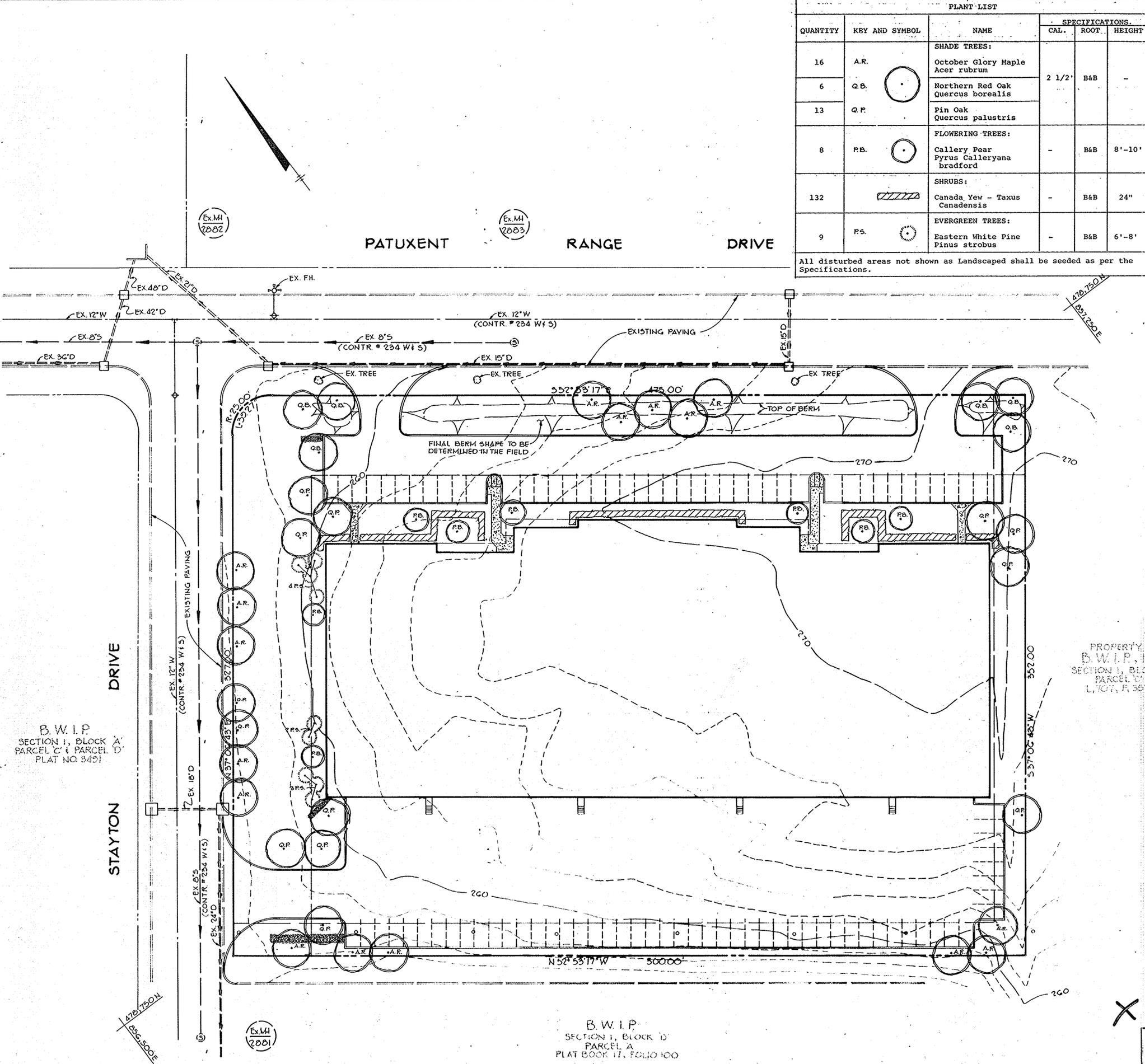
All disturbed areas not shown as Landscaped shall be seeded as per the Specifications.



TREE PLANTING DETAIL
No Scale



SHRUB PLANTING DETAIL
No Scale



PROPERTY OF
B.W.I.P., INC.
SECTION 1, BLOCK 'D'
PARCEL 'C'
L. 707, P. 382

B.W.I.P.
SECTION 1, BLOCK 'D'
PARCEL 'A'
PLAT BOOK 17, FOLIO 100

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Donald J. Harris 10-7-82
PLANNING DIRECTOR DATE

John M. ... 10-7-82
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Henry F. ... 10-5-82
DIRECTOR DATE

... 10-6-82
CHIEF, BUREAU OF ENGINEERING DATE

| DATE | NO. | REVISION |
|------|-----|----------|
| | | |

OWNER/DEVELOPER
NORWOOD INDUSTRIAL CONSTRUCTION CO., INC.
2130 E RED BRANCH ROAD
COLUMBIA, MARYLAND 21045

PROJECT BALTO. WASH. INDUSTRIAL PARK
SECTION 1, BLOCK 'D'
PARCEL D-1
RECORD PLAT RECORDING REFERENCE NO. 4483

AREA TAX MAP NO 48
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE: PLANTING PLAN

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 7-21-82
JMM

Riemer - Tracy & Associates, Inc.
8654 Baltimore National Pike
Ellicott City, Maryland 21043
(301) 481-2650
Landscape Planning, Design & Civil Engineering

April 20, 1982
DATE

DESIGNED BY: R.J.W.
DRAWN BY: T.E.S.
PROJECT NO: 0082
DATE: 4-20-82
SCALE: 1"=30'
DRAWING NO. C OF C

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
... 10-7-82
COUNTY HEALTH OFFICER DATE

