

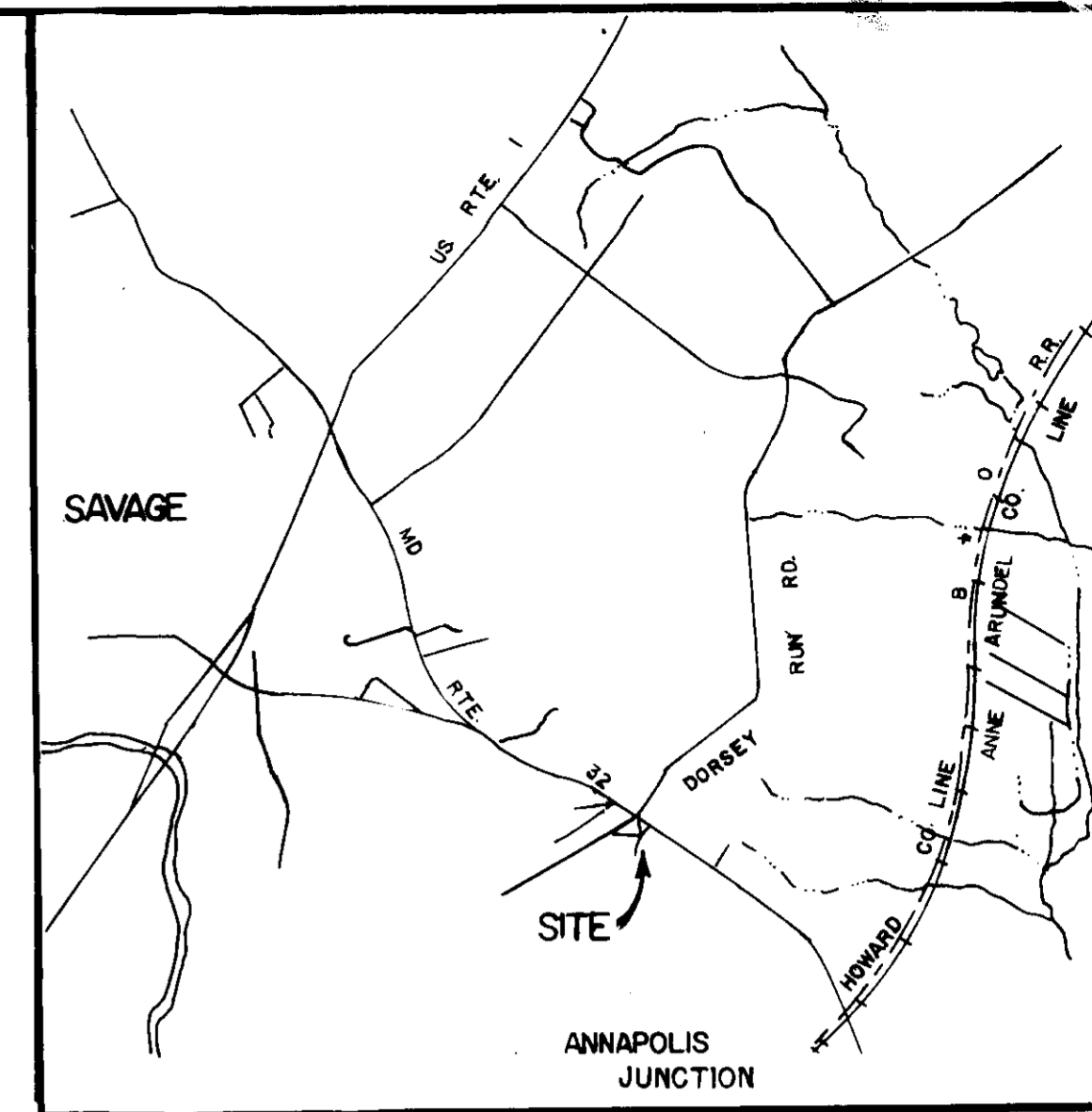
ALPERT P. WEIR, ET UX
744/841
ZONED M-2

POND AND GRADING NOTE

SWIM POND AND GRADING SHOWN HEREON HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE PLAN AND DETAILS UNDER SDP #11111 AND APPROVED PWA & GRADING PERMIT.

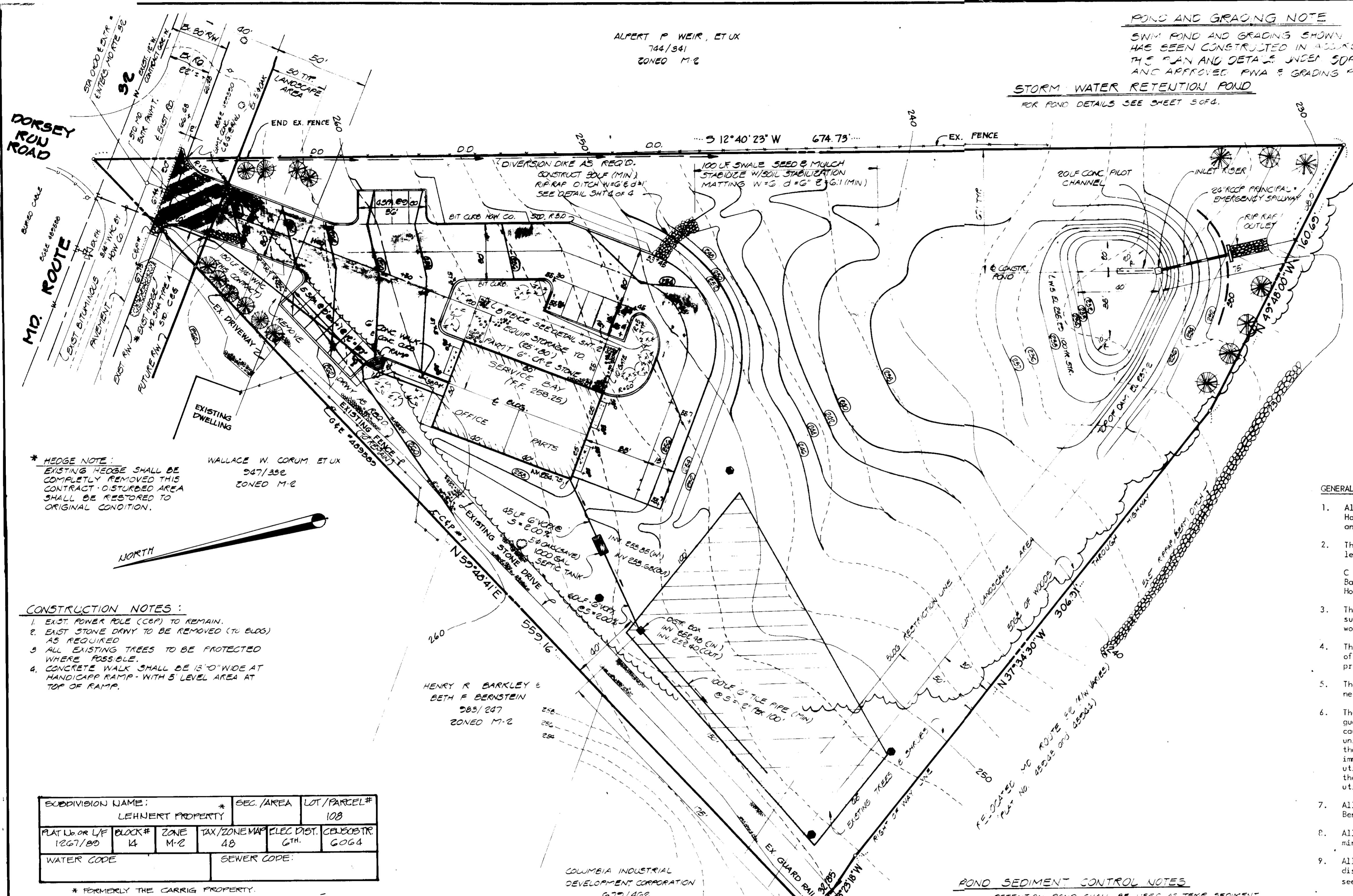
STORM WATER RETENTION POND

FOR POND DETAILS SEE SHEET 5064.



VICINITY MAP
SCALE: 1"=2000'

11-26-85
M. HAM



*** HEDGE NOTE:**
EXISTING HEDGE SHALL BE COMPLETELY REMOVED THIS CONTRACT. DISTURBED AREA SHALL BE RESTORED TO ORIGINAL CONDITION.

WALLACE W. CORUM ET UX
047/392
ZONED M-2

CONSTRUCTION NOTES:

1. EAST POWER POLE (CCP) TO REMAIN.
2. EAST STONE DRY TO BE REMOVED (TO BLDG) AS REQUIRED.
3. ALL EXISTING TREES TO BE PROTECTED WHERE POSSIBLE.
4. CONCRETE WALK SHALL BE 15" WIDE AT HANDICAP RAMP WITH 5' LEVEL AREA AT TOP OF RAMP.

HENRY R. BARKLEY &
BETH F. BERNSTEIN
085/247
ZONED M-2

COLUMBIA INDUSTRIAL
DEVELOPMENT CORPORATION
070/400
ZONED M-2

ECC/DIVISION NAME:		SEC./AREA	LOT/PARCEL#
LEHNERT PROPERTY			108
PLAT Ltr or L/F	BLOCK#	ZONE	TAX/ZONEMAP ELEC. DIST. CENSUS TR.
1267/80	14	M-2	AB 6TH GOG4
WATER CODE		SEWER CODE:	

* FORMERLY THE CARRIG PROPERTY.

ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
PARCEL 108	10708 ANNAPOLIS JUNCTION RD (MD RTE 22)

WATER AND SEWER CONSTRUCTION NOTES:

ALL WATER AND SEWER WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH THE HOWARD CO. PLUMBING CODE AND MD STATE HEALTH DEPARTMENT REGULATIONS.

PRIVATE SEWAGE EASEMENT

The area shown thusly designates a private sewage easement of approximately 10,000 Sq. Ft. as required by the Maryland State Dept. of Health & Mental Hygiene for individual sewage disposal. Improvements of any nature in this area are restricted until public sewage is available and servicing the structures on the site. This easement shall become null and void upon connection to a public sewerage system.

● Denotes Perc. locations per Health Dept. test.

GENERAL NOTES:

1. All work and materials shall be in accordance with the Howard Co. Design Manual Volume 4 Standard Specifications and Details for Construction.
2. The Contractor is to notify the following utilities at least 72 hours before starting work shown hereon.
C & P Telephone Co. 725-9974
Baltimore Gas & Electric Co. 539-8000 ext. 691
Howard Co. - Bureau of Utilities 992-2366
3. The Contractor shall notify the construction inspection/survey division five (5) days prior to commencement of work at 992-2417 or 992-2418.
4. The Contractor shall be responsible for the coordination of the relocation and maintenance of all public and/or private utilities as may be required to complete the work.
5. The Contractor shall be responsible for obtaining all necessary permits prior to commencing work.
6. The location of existing utilities shown hereon is not guaranteed. The Contractor shall take all necessary precautions to protect the existing utilities and maintain uninterrupted service. The existence of utilities other than those shown hereon is not known. The Contractor shall immediately notify the appropriate utility company if other utilities are encountered. Any damages will be repaired at the Contractor's expense and under the direction of the utility company.
7. All elevations shown hereon are based on Howard County Bench Mark.
8. All fill under pavm't & bldg. shall be compacted to a minimum of 95% optimum compaction as per AASHTO.
9. All excess excavation to be disposed of on-site. All disturbed areas shall receive 2" topsoil, fertilizer, seed and mulch as per SCS standards.

POND SEDIMENT CONTROL NOTES

1. RETENTION POND SHALL BE USED AS TEMP SEDIMENT CONTROL BASIN SEE DETAILS SH. 5064.
2. WHEN ENTIRE DRAINAGE AREA IS STABILIZED 250 TYP. BLOCKING SHALL BE REMOVED FROM POND. SEDIMENT SHALL BE REMOVED AND POND RESTORED TO FINAL GRADES AND STABILIZED PER STD. NOTES IN ACCORDANCE WITH THE FOLLOWING CONVERSION SEQUENCE.
CONVERSION SEQUENCE
a. PUMP STANDING WATER THRU RISER,
b. RESTORE POND TO PLAN DIMENSIONS AND ELEV.
c. CONSTRUCT PILOT CHANNEL.
d. SPREAD SOIL IN SELECTED AREA AND STABILIZED PER STD. NOTES.

SITE ANALYSIS
a. PRESENT ZONING (M-2)
b. TOTAL AREA OF SITE
c. LOT COVERAGE (28 PERCENT)
d. IMPERVIOUS AREA (Bldg + Pk)
e. DISTURBED AREA
f. AREA TO BE REVEGETATED

INTENDED USE - TRUCK REPAIR/RENTAL EQUIPMENT
a. TOTAL AREA OF SITE 8,501 AC (±)
b. LOT COVERAGE 4,000 SQ FT
c. PARKING LOT 10,000 ± SQ AC
d. OFFICE AREA 2,500 AC ±
e. EQUIP STORAGE 2,04 AC ±

PARKING TABULATION (BLOG 30'x80')
SERVICE BAY (25'x80) 2000 @ 15P/2000# = 4 SPACES
OFFICE AREA (25'x40) 1000 @ 15P/2000# 5 "
EQUIP STORAGE (25'x40) 1000 @ NONE REQUIRED
SPACES PROVIDED = 15 SPACES REQ'D = 5 Spaces
Number of Employees 5

PLAN
SCALE: 1"=80'

By the Developer:

"I 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 at a Department of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I will provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion.

By the Engineer:

"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 must provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion.

These plans for small pond construction, soil erosion and sediment control meet the requirements of the Howard Soil Conservation District.
Stephen L. Fales 1/7/86
Howard Soil Conservation District Date

These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements for small pond construction, soil erosion and sediment control.
James M. Hazel 1-7-86
U.S. Soil Conservation Service Date

By the Developer:
Charles R. Crocken, P.E. 1/8/86
Date

By the Engineer:
Charles R. Crocken, P.E. 1/8/86
Date

APPROVED: FOR PUBLIC WATER, AND STORM DRAINAGE SYSTEMS AND ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Director Date

Chief, Bureau of Engineering Date

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

County Health Officer Date

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

Planning Director Date

Chief, Division of Land Development and Zoning Administration Date

5/22/84 Revised Per Comments dated 5/7/84

DATE NO. REVISION DESCRIPTION

OWNER: C. RICHARD LEHNERT
E. LEHNERT & SONS
7655 PULASKI HIGHWAY
BALTIMORE, MD 21287
DEVELOPER: C. RICHARD LEHNERT
E. LEHNERT & SONS
7655 PULASKI HIGHWAY
BALTIMORE, MD 21287

PROJECT: SITE DEVELOPMENT PLAN
E. LEHNERT & SONS

AREA: ANNAPOLIS JUNCTION
6TH ELECTION DISTRICT
HOWARD COUNTY, MD. TAX MAP 67
PARCEL 108

TITLE: **SITE DEVELOPMENT PLAN**

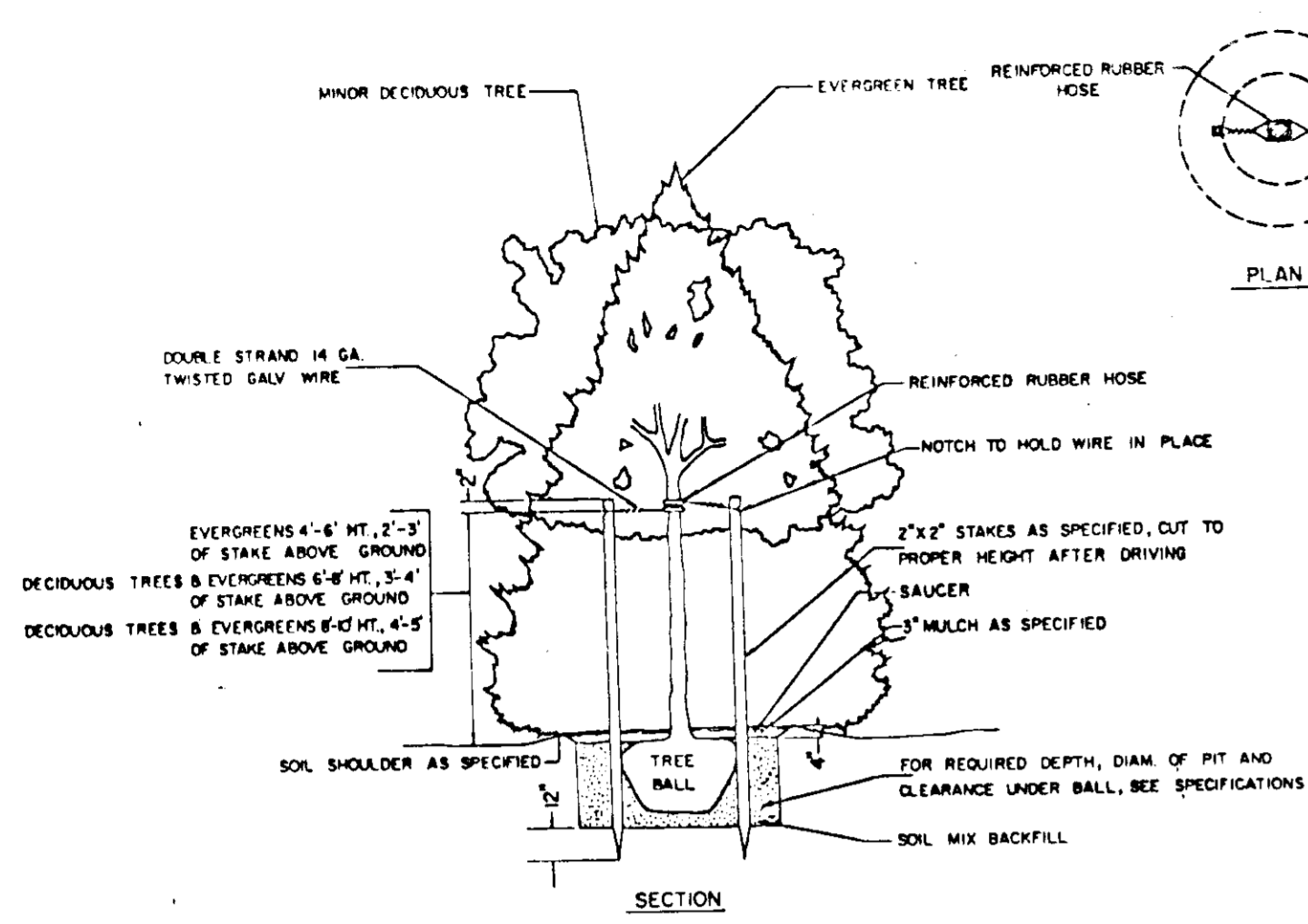
CHARLES R. CROCKEN
AND ASSOCIATES INC.
CIVIL ENGINEERING AND LAND PLANNING
3697 PARK AVENUE ELLICOTT CITY MD 21043 465-3555

DESIGNED BY: CRC

DRAWN BY: CRC

PROJECT NO:
DATE: FEBRUARY, 1984

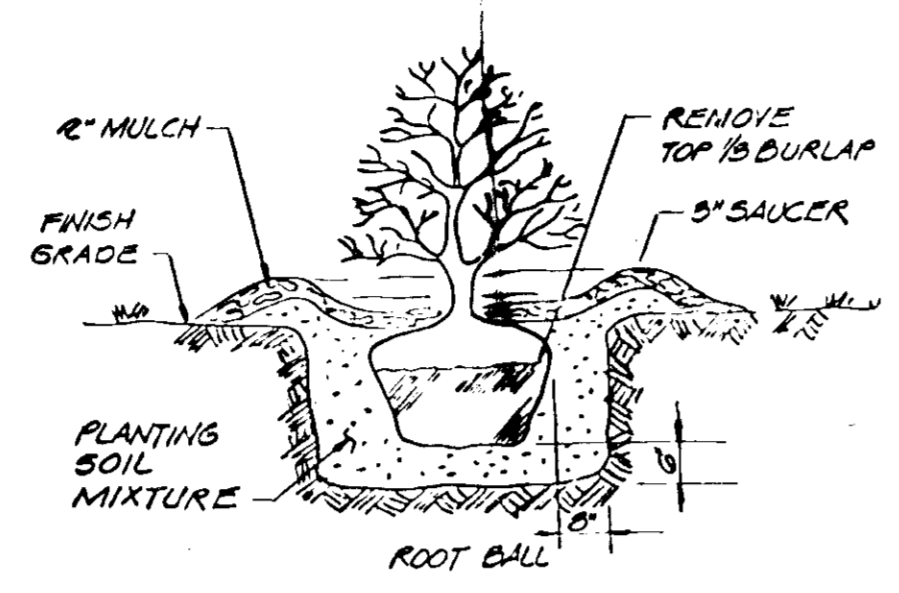
SCALE: AS SHOWN
PROFESSIONAL ENGR. NO. DRAWING NO. 1 OF 4



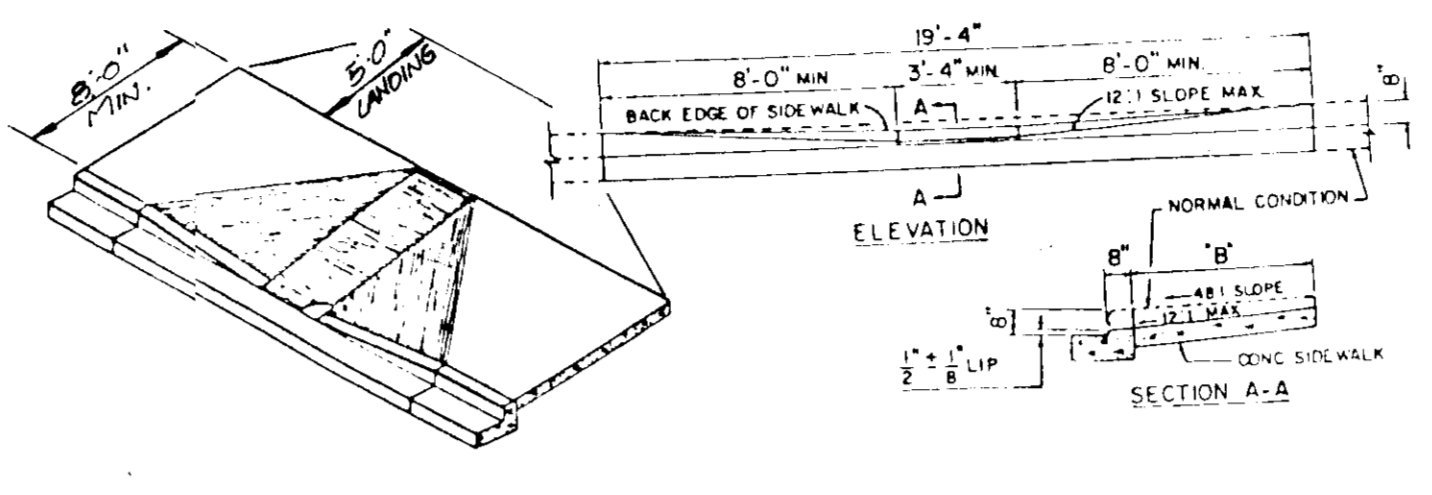
LANDSCAPING DETAIL
NO SCALE

PLANTING SCHEDULE

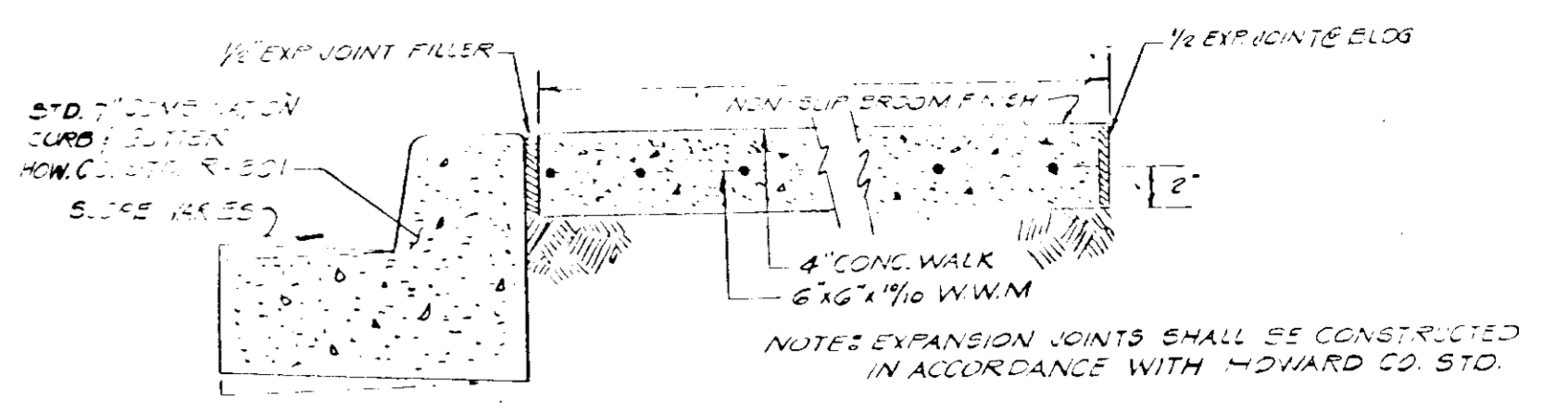
KEY QUANTITY	NAME	SPECIFICATIONS	CAL.	ROOT	HEIGHT
10	PINO STROBUS	O-B	4-5'		
12	JUNIPER PRATER	O-B	18" MAX		



SHRUB PLANTING DETAIL
NO SCALE



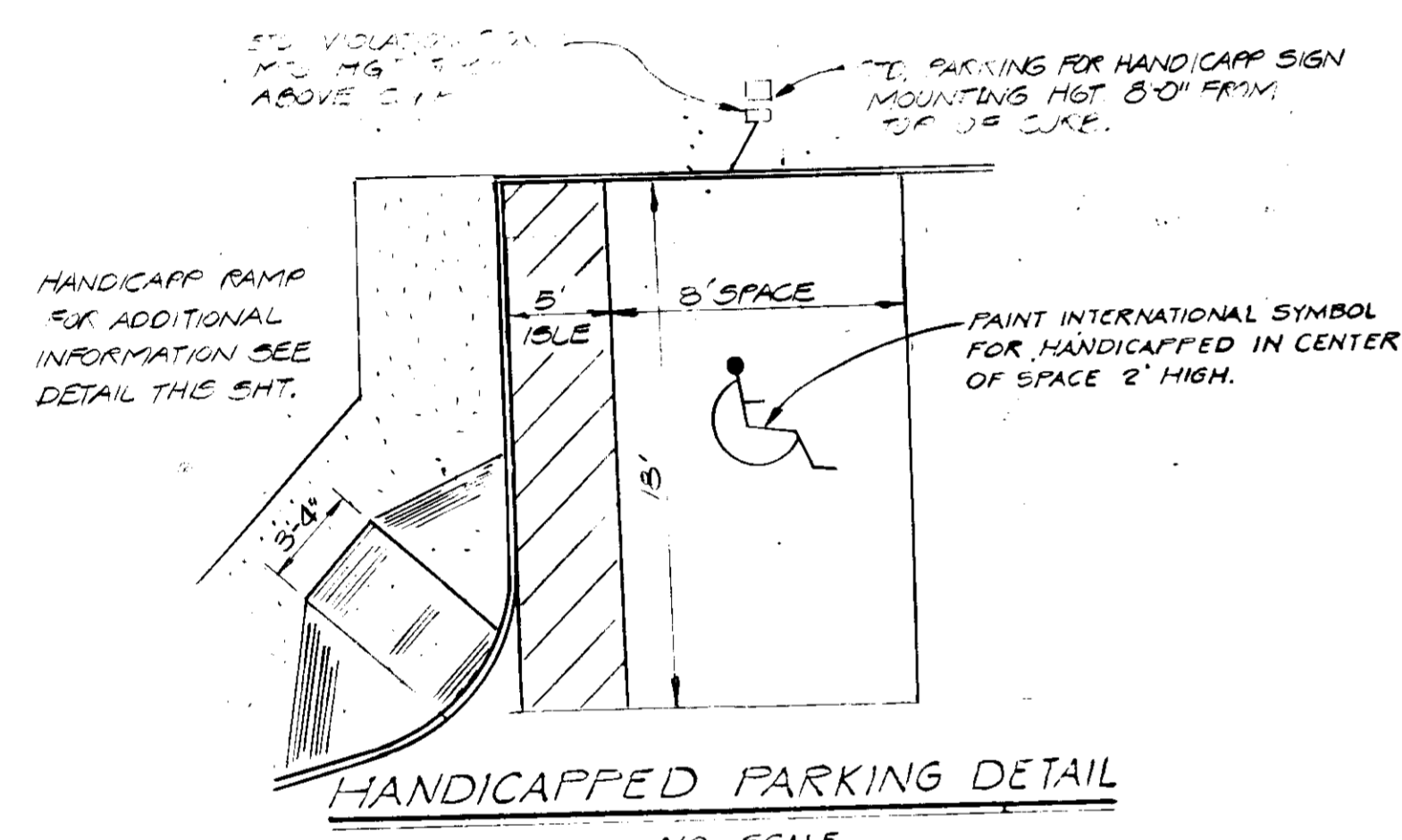
HANDICAPP RAMP DETAIL
NO SCALE



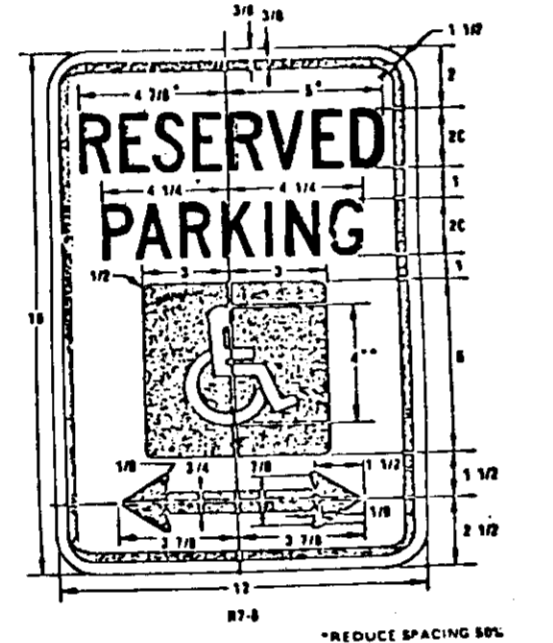
CURB & SIDEWALK DETAIL (TYP)
NO SCALE

SECTION NUMBER	ROAD AND STREET CLASSIFICATION	PAVEMENT MATERIALS	
		FULL DEPTH BIT. CONC. ALTERNATE	GRANULAR BASE ALTERNATES
P-2	RESIDENTIAL ZONES LOCAL COL. OR SAC STR. ALLEYS AND PRIVATE ROADS SERVING INDIVIDUALS PARKING AREAS APARTMENTS AND COMMERCIAL INDUSTRIAL ZONES WITH NO MORE THAN 10 HEAVY TRUCKS PER DAY*	1 1/2\"/>	

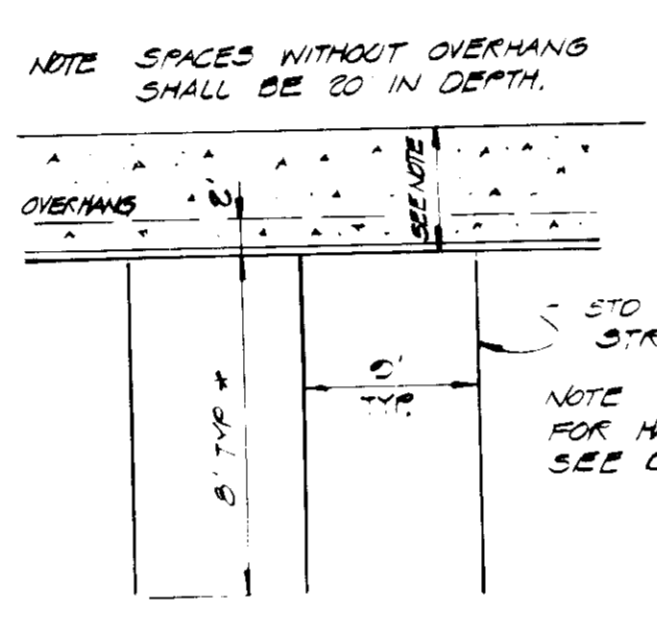
SITE PAVING DETAIL
NO SCALE



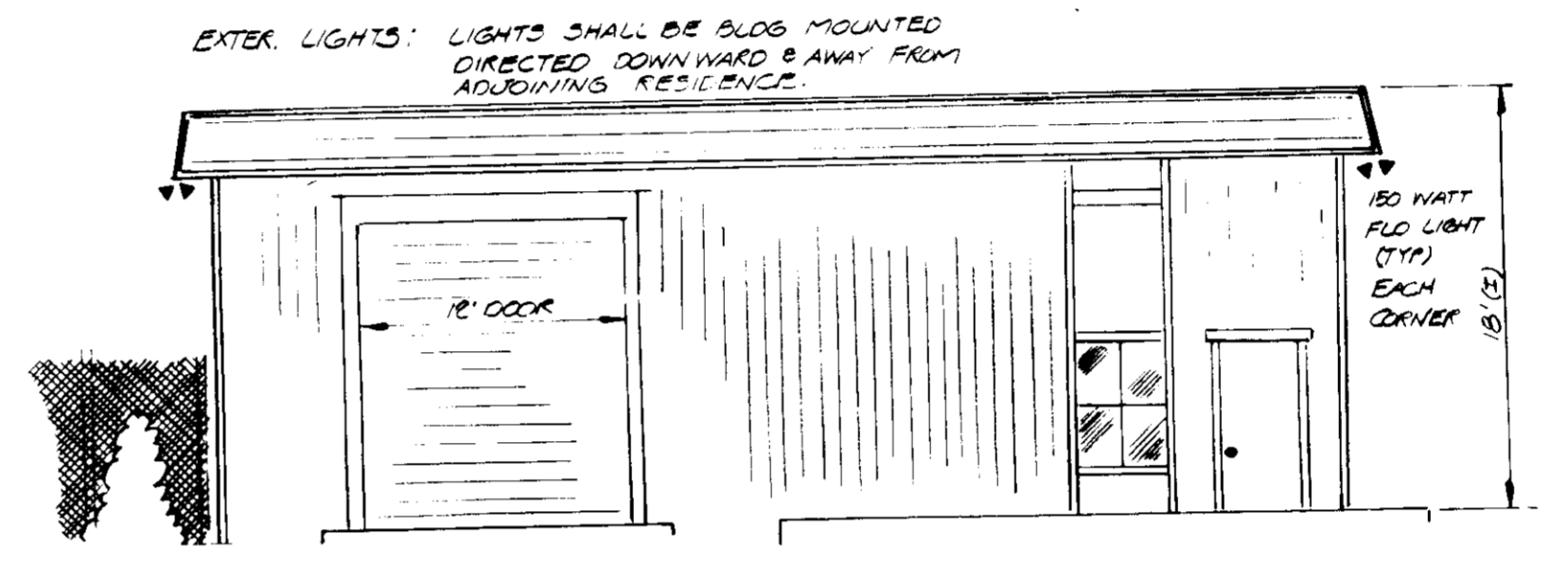
HANDICAPPED PARKING DETAIL
NO SCALE



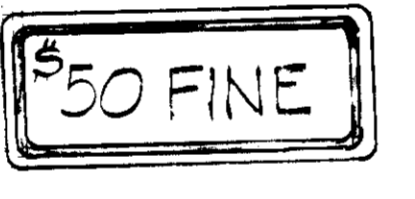
RESERVED PARKING



PARKING DETAIL
SCALE 1/8" = 1'-0"

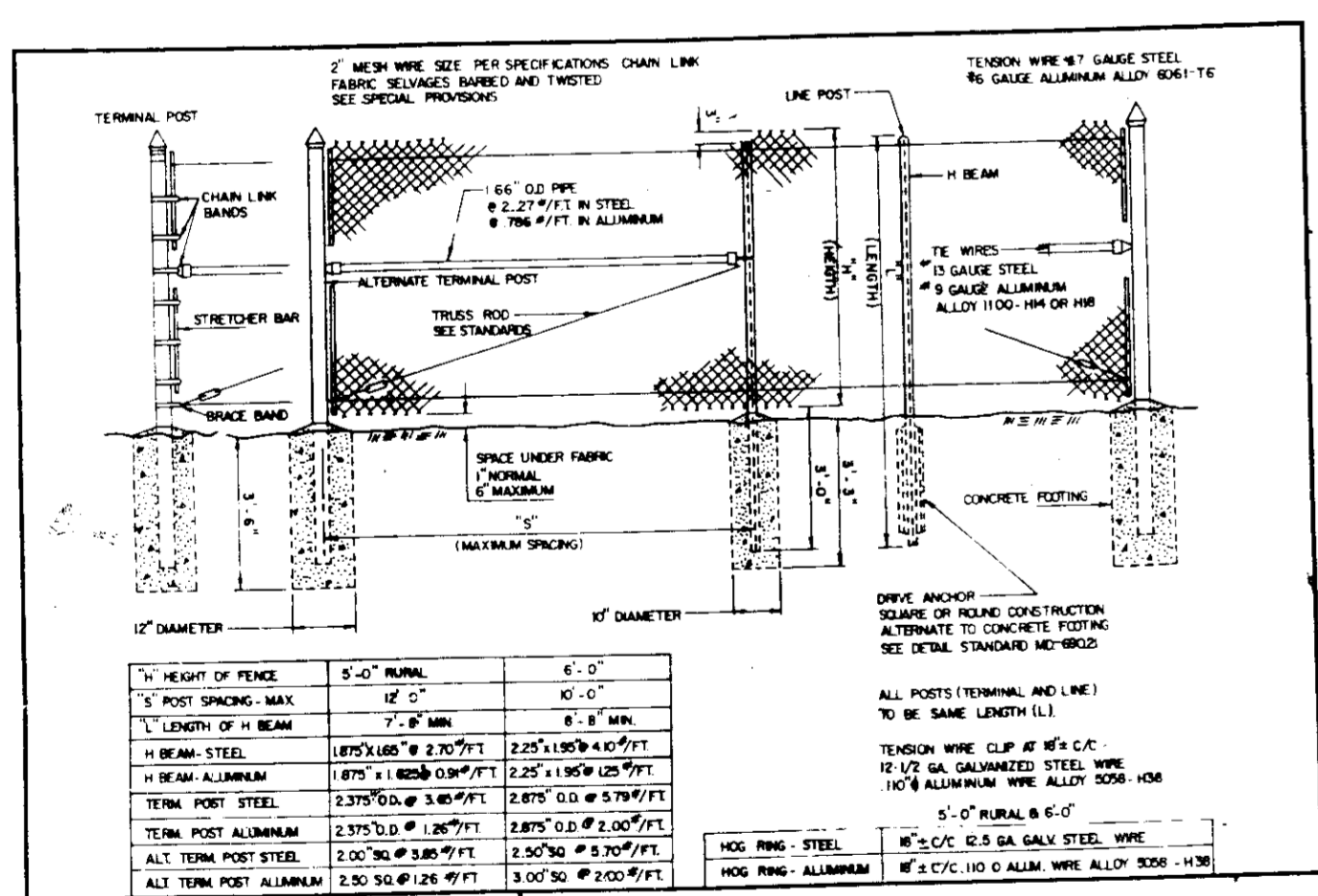


BUILDING ELEVATION (SCHEMATIC)
SCALE 1/8" = 1'-0"

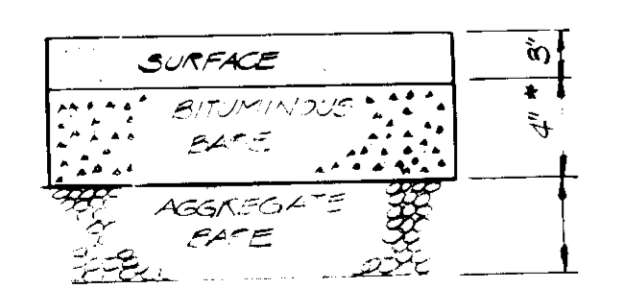


HANDICAPPED PARKING SPACE VIOLATION FINE SIGN

SIGN TO UTILIZE AN ALUMINUM BLANK 6 1/8" X 10 1/2" THICK WITH TWO (2) SINGLE POST MOUNTING HOLES. TEXT AND BORDER SHALL BE STANDARD GREEN TO MATCH THAT ON RT-8. BACKGROUND SHALL BE REFLECTIVE WHITE. TEXT SHALL BE IN 3 INCH CHARACTER.



FENCE DETAIL
NO SCALE



ENTRANCE PAVING DETAIL (REV 12-1-85)
NO SCALE

1. TREE WALK RAMP SHOULD BE LOCATED AS INDICATED ON DRAWINGS, HOWEVER EXISTING LIGHT POLES, FIRE HYDRANTS, SHOP PILETS, ETC MAY AFFECT PLACEMENT.
2. NO SLOPE SHALL EXCEED 12:1 ON THE RAMP OR SIDEWALK.
3. IN NO CASE SHALL THE WIDTH OF RAMP BE LESS THAN 3'-4" WIDTHS MAY EXCEED 3'-4" IF NECESSARY.
4. A 2" EXPANSION JOINT WILL BE REQUIRED WHERE THE CONCRETE RAMP JOINS ANY RIGID PAVEMENT OR STRUCTURE.
5. THE FEEL STRIP OR CROSSWALK STRIPES SHALL BE ESTABLISHED BY BISECTING THE INTERSECTION RADIUS.
6. RAMP SHALL BE LOCATED SO THAT THE BEGINNING WILL BE TWO FEET FROM THE INSIDE PEDESTRIAN CROSSWALK LINE (GENERALLY).
7. ALL TREATMENT WASHINGS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM CONTROL DEVICES PUBLISHED BY THE FEDERAL HIGHWAY ADMINISTRATION.
8. SIDEWALK RAMP TO BE INCLUDED IN COST BID FOR CONCRETE SIDEWALK AND CURB OR CURB & GUTTER. THIS SCHEDULE MAY BE MODIFIED TO SUIT A PARTICULAR LOCATION. IF WALK RAMP TO BE SHOWN ON PLANS BY SYMBOL #1 AND REFERENCED WITH THE ENTER OF THE RAMP ALIGNED TO A STATION ON THE CONSTRUCTION CENTERLINE.

APPROVED: FOR PUBLIC WATER, DRAINAGE SYSTEMS AND ROADS	AND STORM
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
<i>[Signature]</i> Director	1-7-86 Date
<i>[Signature]</i> Chief, Bureau of Engineering	1-8-86 Date

APPROVED: FOR PUBLIC WATER AND PRIVATE SEWERAGE SYSTEMS	
HOWARD COUNTY HEALTH DEPARTMENT	
<i>[Signature]</i> (County Health Officer)	1-14-86 Date

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING	
<i>[Signature]</i> Planning Director	1-17-86 Date
<i>[Signature]</i> Chief, Division of Land Development and Zoning Administration	1-16-86 Date

By the Developer:
"I 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 at a Department of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I will provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion."
[Signature] 1/8/86
Date

By the Engineer:
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[Signature] 1-7-86
Charles R. Crocken, P.E. Date

These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements for small pond construction, soil erosion and sediment control.
[Signature] 1-7-86
U.S. Soil Conservation Service Date

These plans for small pond construction, soil erosion and sediment control meet the requirements of the Howard Soil Conservation District.
[Signature] 1/18/86
Howard Soil Conservation District Date

DATE	NO.	REVISION DESCRIPTION
5/10/82	1	Revised Per Co. Comments Dated 5/7/82

OWNER	C. RICHARD LEHNERT & SONS E. LEHNERT & SONS 7685 POLASKI HIGHWAY BALTIMORE, MD 21287
DEVELOPER	C. RICHARD LEHNERT & SONS E. LEHNERT & SONS 7685 POLASKI HIGHWAY BALTIMORE, MD 21287
PROJECT:	SITE PLAN E. LEHNERT & SONS
AREA:	ANNAPOLIS JUNCTION CITY ELECTION DISTRICT HOWARD COUNTY, MD
TAX MAP	47
PARCEL	108

CHARLES R. CROCKEN
AND ASSOCIATES INC.
CIVIL ENGINEERING AND LAND PLANNING
3697 PARK AVENUE ELLICOTT CITY MD 21043 465-3555

DATE: _____
DESIGNED BY: C.R.C.
DRAWN BY: C.R.C./C.H.C.
PROJECT NO: 85-0720
DATE: FEBRUARY, 1984
SCALE: AS SHOWN
DRAWING NO 2 OF 4

CONSTRUCTION SPECIFICATIONS

I. SITE PREPARATION

Areas under the embankment and structural works shall be cleared, grubbed and the topsoil stripped to remove all trees, vegetation, stumps, frozen or other objectionable material. To facilitate clean out and restoration, it is recommended that the permanent pool area be cleared of all brush and trees.

II. EARTH FILL

Material
The fill material shall be taken from approved designated borrow area or areas. It shall be free from roots, stumps, wood, rubbish, over-size stones, frozen or other objectionable materials. The embankment shall be constructed to an elevation which provides for anticipated settlement to the design elevation. The fill height all along the length of the embankment shall be increased at least 10 percent above the design elevation (including freeboard) unless otherwise shown on the plans.

Placement
Areas on which fill is to be placed shall be scarified prior to placement of fill. Fill materials shall be placed in 8-inch maximum thickness (before compaction) layers which are to be continuous over the entire length of the fill. The most porous borrow material shall be placed in the downstream portions of the embankment.

Compaction
The movement of the hauling and spreading equipment over the fill shall be controlled so that the entire surface of each lift shall be traversed by not less than one tread track of the equipment or compaction shall be achieved by a minimum of four complete passes of a steel foot, rubber tired or vibratory roller. Fill material shall contain sufficient moisture so that it can be formed into a ball without crumbling. If water can be squeezed out of the ball, it is too wet to compact properly.

Core Trench
Where specified, a core trench shall be excavated along or parallel to the centerline of the embankment as shown on the plans. The bottom width of the trench shall be governed by the equipment used for excavation, with the minimum width being four feet. The depth shall be at least four feet or as shown on the plans. The side slopes of the trench shall be 1 to 1 or flatter. The backfill material for the core trench shall be the most impervious material available and shall be compacted with equipment or rollers to assure maximum density and minimum permeability.

III. STRUCTURAL BACKFILL

Backfill material shall be of the type and quality conforming to that specified for the adjoining fill material. The fill shall be placed in horizontal layers not to exceed four inches in thickness and compacted by hand tampers or other compaction equipment. The material needs to fill completely all spaces under and adjacent to the pipe. At no time during the backfilling operation shall driven equipment be allowed to operate closer than four feet, measured horizontally, to any part of a structure. Under no circumstances shall the contractor drive equipment over any part of a concrete structure or pipe unless there is a compacted fill of twenty-four inches or greater over the structure or pipe.

IV. PIPE CONDUITS

REINFORCED CONCRETE PIPE

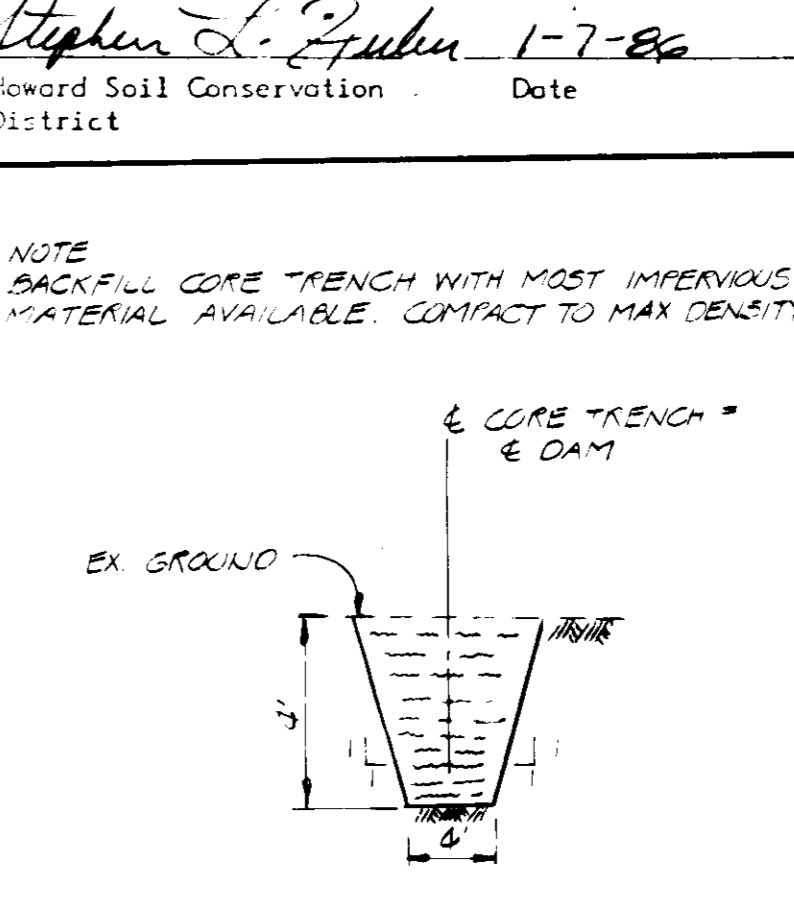
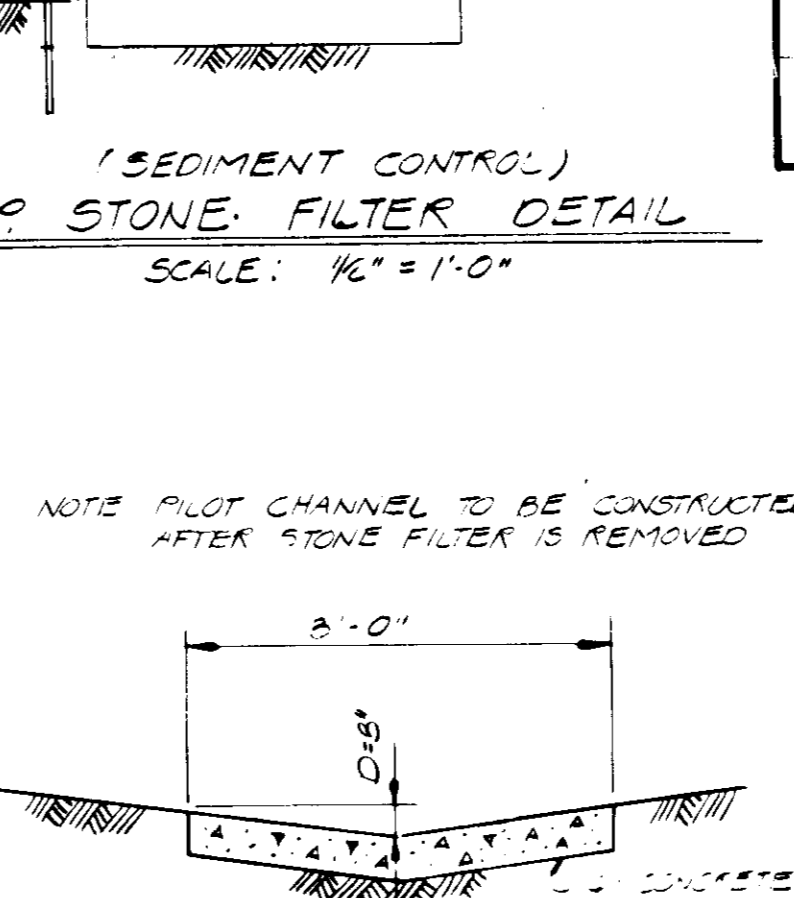
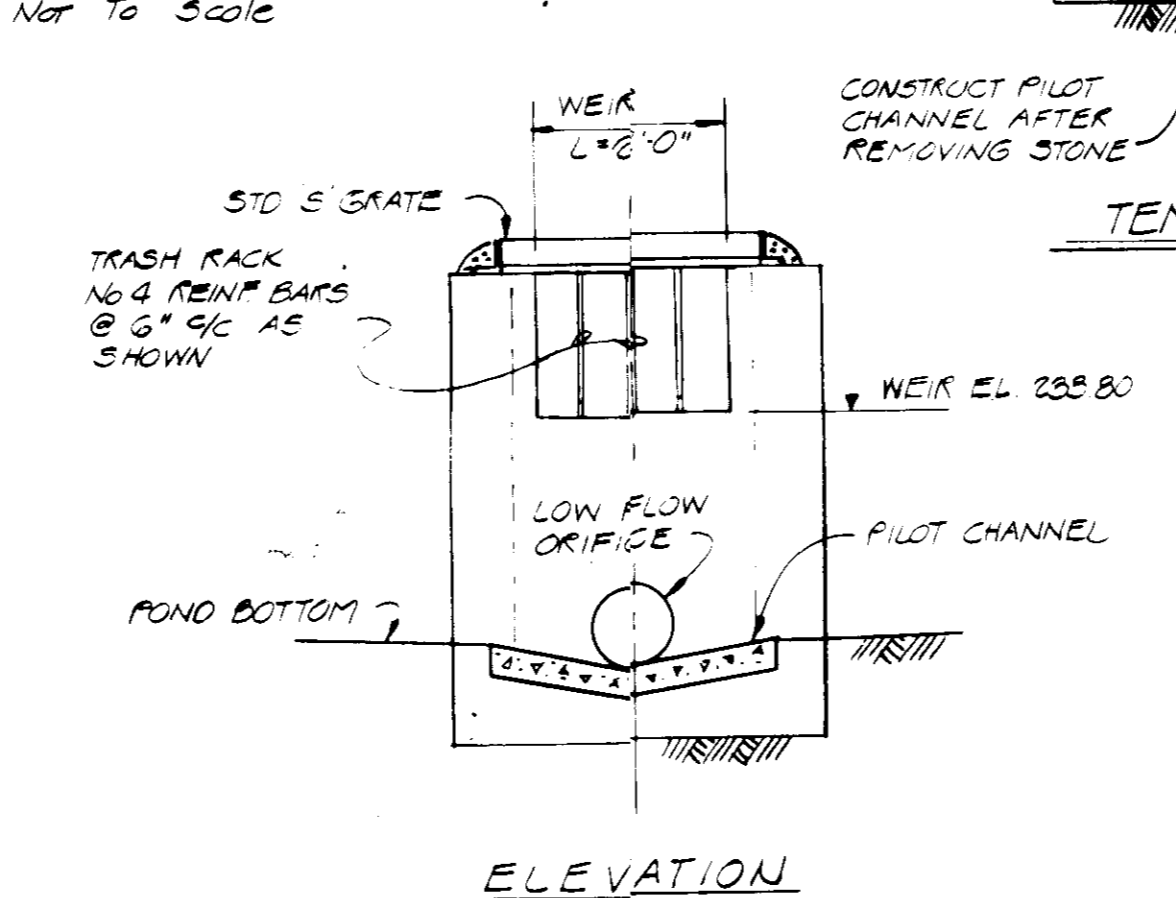
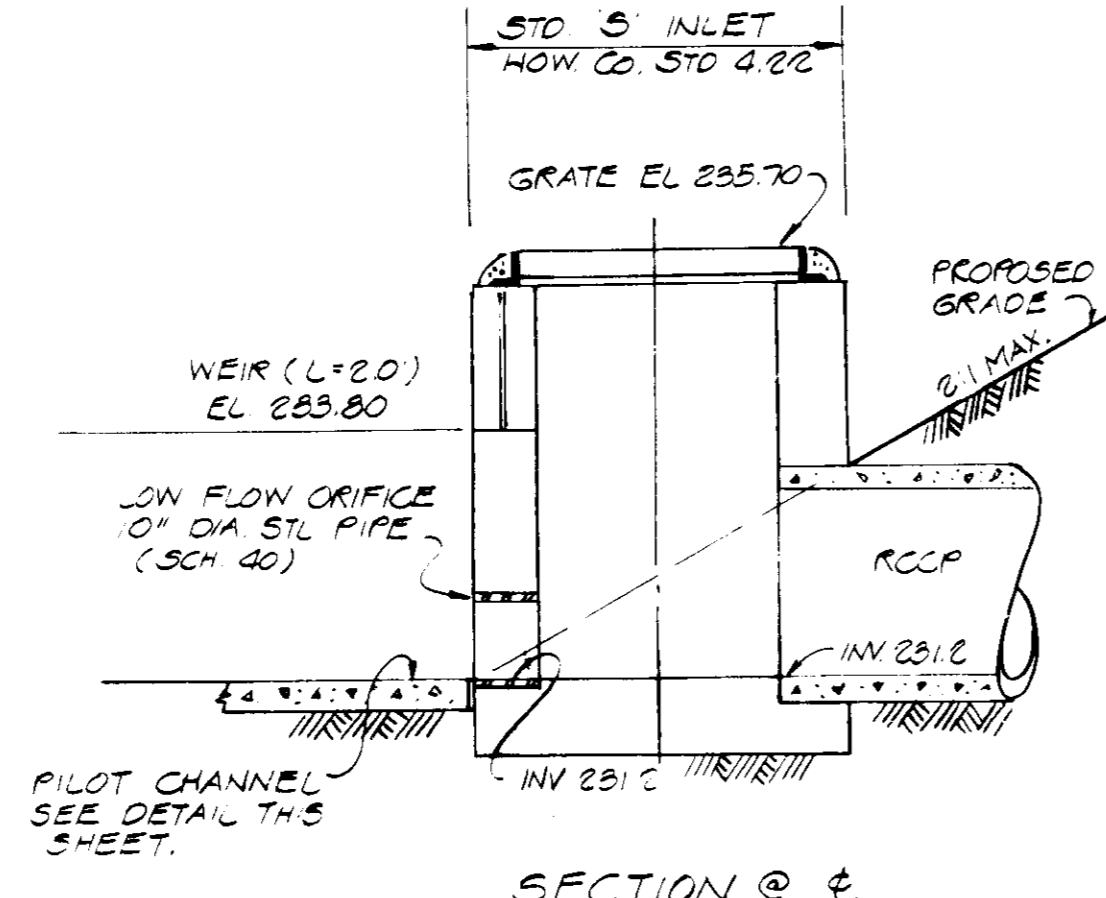
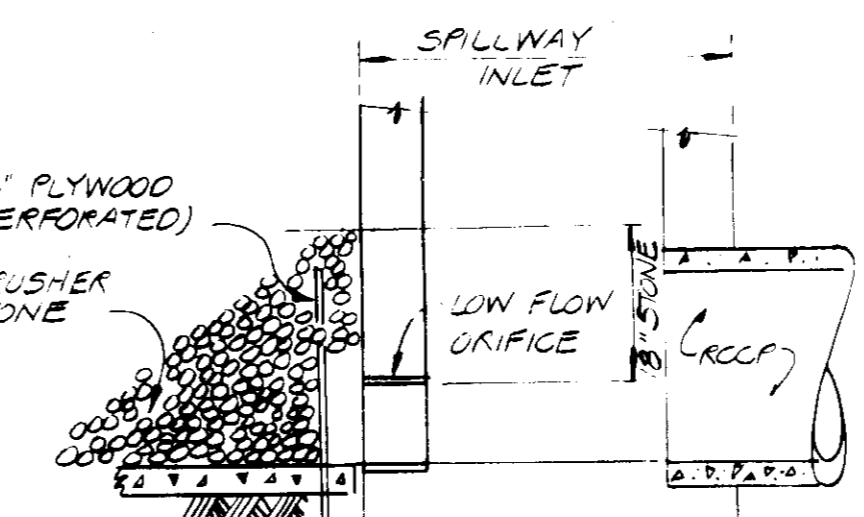
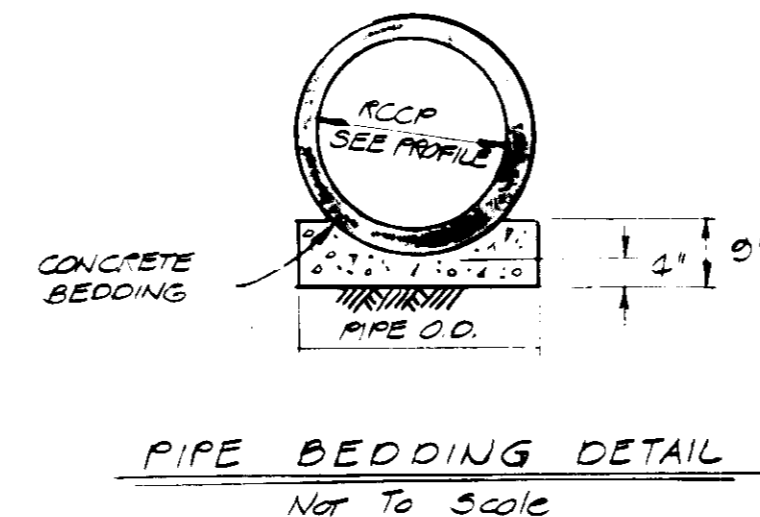
- Materials - Reinforced concrete pipe shall have a rubber gasket joint and shall equal or exceed ASTM Specification C-361. Approved equivalents are AWWA Specification C-300, 301, and 302.
- Bedding - All reinforced concrete pipe shall be laid in a concrete bedding for their entire length. This bedding shall consist of high slump concrete placed under the pipe and up the sides of the pipe at least 10% of its diameter with a minimum thickness of 3". W.S.S.C. low cradle bedding is an approved equivalent.
- Laying pipe - Bell and spigot pipe shall be placed with the bell end upstream. Joints shall be made in accordance with recommendations of the manufacturer of the material. After the joints are sealed on the entire line, the bedding shall be placed so that all spaces under the pipe are filled. Care shall be exercised to prevent any deviation from the original line and grade of the pipe.
- Backfilling shall conform to structural backfill as shown above.
- Other details (anti-seep collars, valves, etc.) shall be as shown on the drawings.

V. CONCRETE

Concrete shall meet minimum requirements set forth in Maryland State Highway Administration Specifications for Materials, Highways, Bridges, and Incidental Structures, Article 20.07 (Portland Cement Concrete Mixtures), Class A-1, or P-1.

VI. STABILIZATION

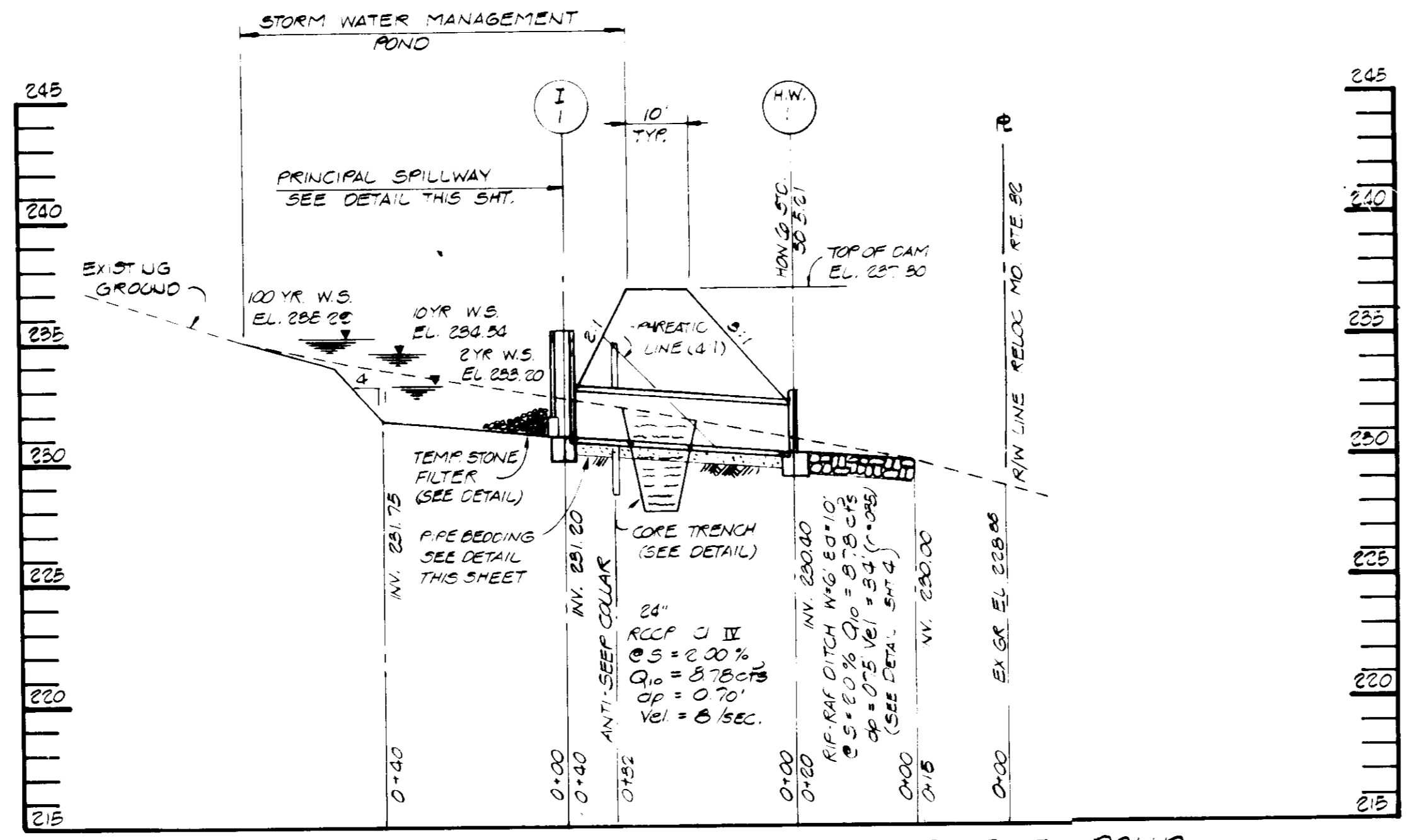
All borrow areas shall be graded to provide proper drainage and left in a slightly condition. All exposed surfaces of the embankment, spillway and borrow areas shall be stabilized by seeding and applying straw mulch in accordance with Standards and Specifications for Soil Erosion and Sediment Control in Urbanizing Areas immediately after finish grading.



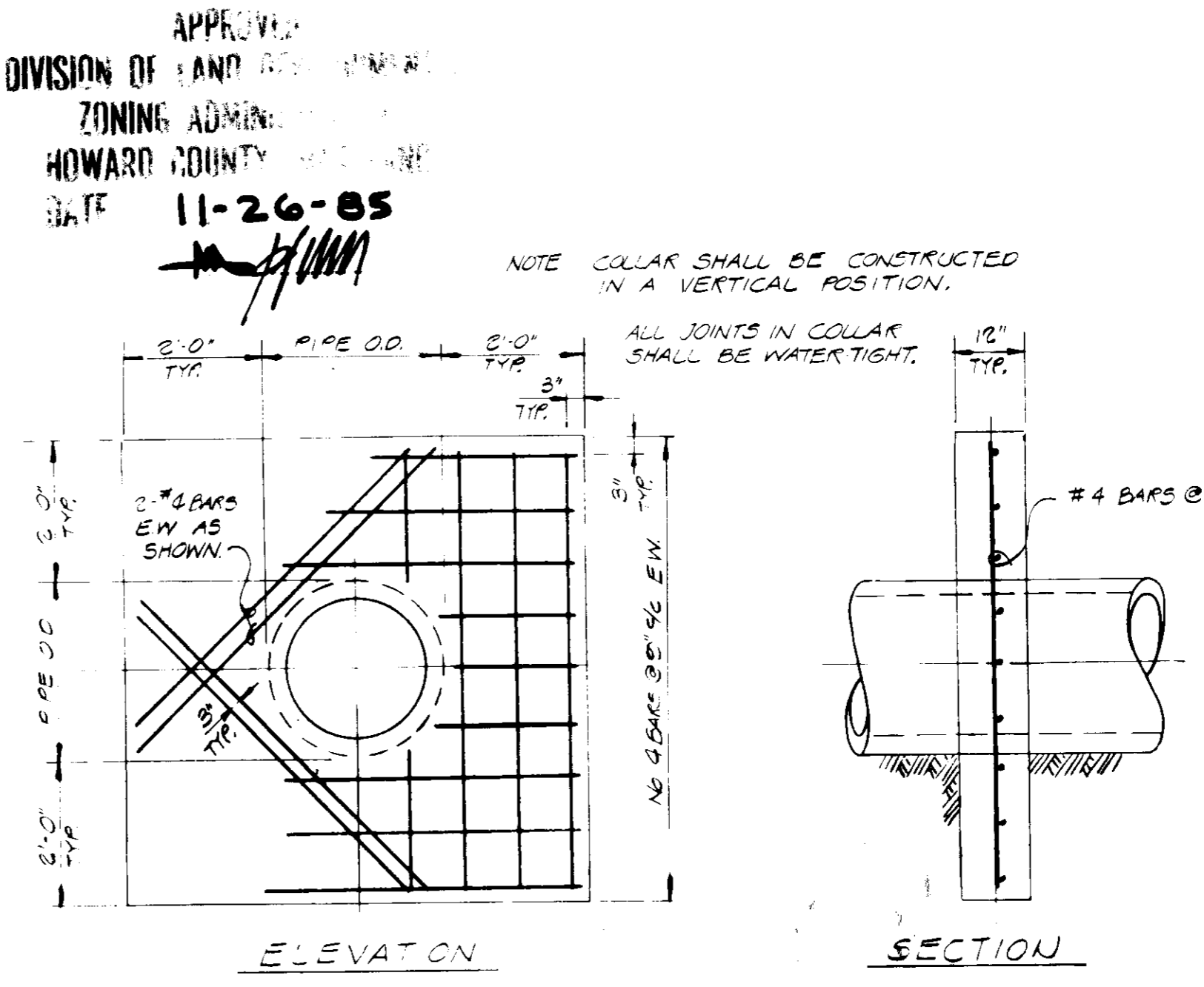
PRINCIPAL SPILLWAY DETAILS
SCALE: 1/4" = 1'-0"

PILOT CHANNEL DETAIL
NO SCALE

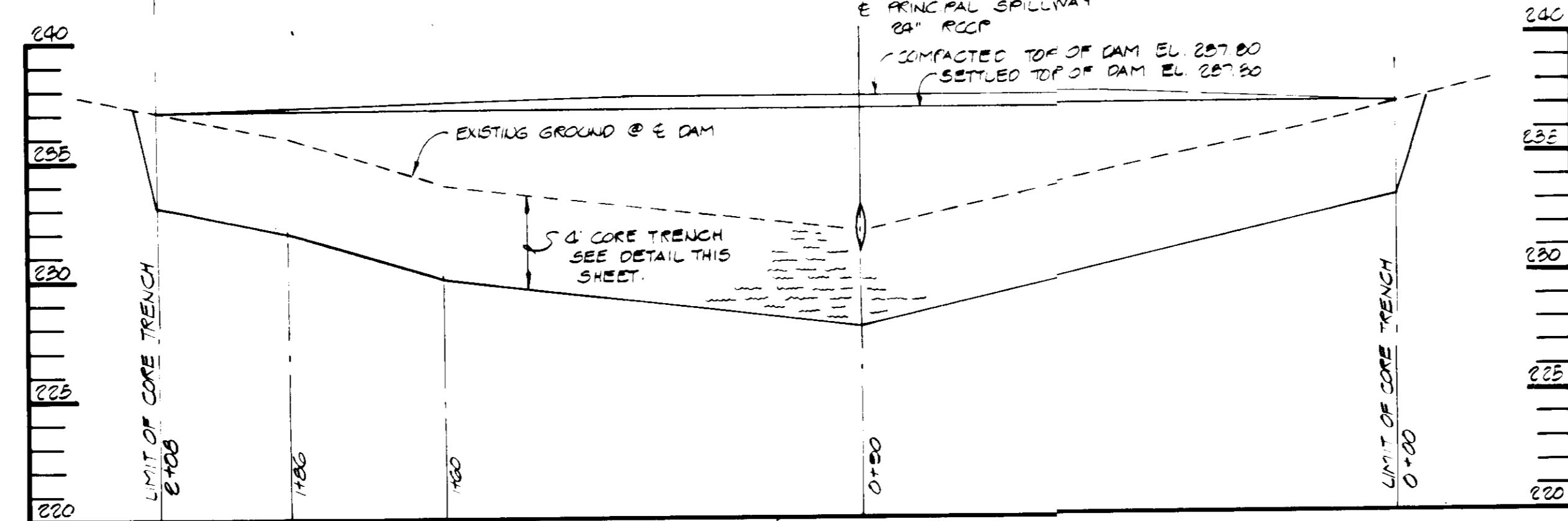
CORE TRENCH DETAIL
NO SCALE



PROFILE STORM WATER MANAGEMENT POND
SCALE: HOR 1" = 20', VERT 1" = 5'



ANTI-SEEP COLLAR DETAIL
SCALE: 1/4" = 1'-0"



PROFILE ALONG E DAM (LOOKING UPSTREAM)
SCALE: HOR 1" = 20', VERT 1" = 5'

CLASS A STRUCTURE

DESIGN STR	PEAK FLOW RATE	PEAK FLOW STORAGE	PEAK ELEV.
2 YEAR	8.25 CFS	3.68 AC FT	223.20
10 YEAR	8.78 CFS	15.99 AC FT	224.64
100 YEAR	16.66 CFS	26.60 AC FT	225.00

SEDIMENT CONTROL DATA

DRAINAGE AREA	570 ACRES
VOLUME STORAGE REQ'D.	246 CU YDS
VOLUME STORAGE PROVIDED.	228 CU YDS
CLEAN OUT ELEVATION	222.5

These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements for small pond construction, soil erosion and sediment control.

John M. Sel 1-7-86
U.S. Soil Conservation Service Date

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

Stephen L. Fisher 1-7-86
Howard Soil Conservation District Date

By the Developer:

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Charles R. Crocken
Date

By the Engineer:

"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 must provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion.

Charles R. Crocken, P.E. 12-4-85
Date

APPROVED:
DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION
HOWARD COUNTY
DATE 11-26-85

APPROVED: FOR PUBLIC WATER AND STORM DRAINAGE SYSTEMS AND ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
John F. Neuman 1-7-86
Director Date

James B. Roy 1-2-86
Chief, Bureau of Engineering Date

APPROVED: FOR PUBLIC WATER AND PRIVATE SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
Jean Payne 1-14-86
County Health Officer Date

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
William E. King 1-17-86
Planning Director Date

John W. Manshawn 1-16-86
Chief, Division of Land Development and Zoning Administration Date

DATE	NO	REVISION DESCRIPTION
5/22/84	1	Revised Per. Co. Comments Dated 5/1/84

OWNER: C. RICHARD LEHNERT & SONS
7685 POLASKI HIGHWAY
BALTIMORE, MD 21237

DEVELOPER: C. RICHARD LEHNERT & SONS
7685 POLASKI HIGHWAY
BALTIMORE, MD 21237

PROJECT: SITE DEVELOPMENT PLAN
E. LEHNERT & SONS

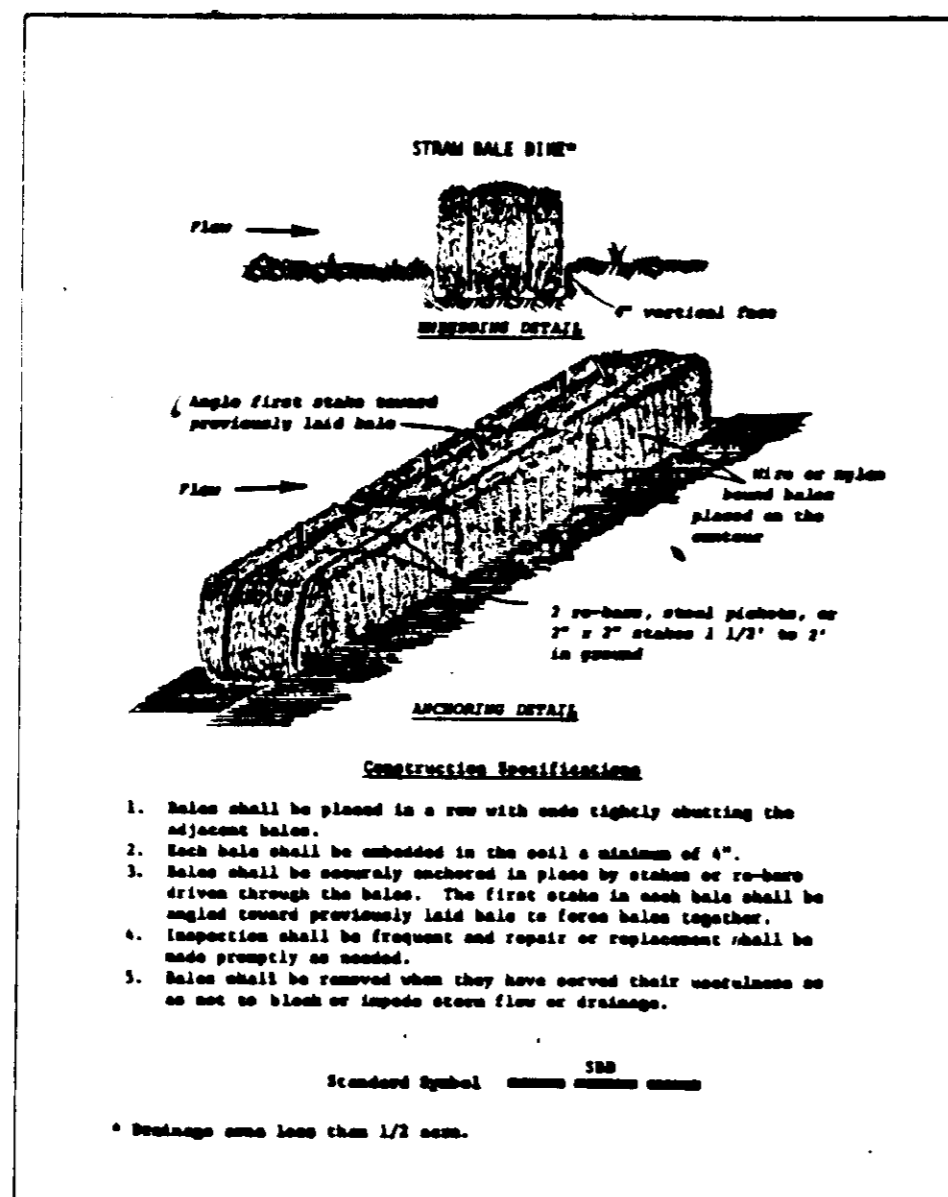
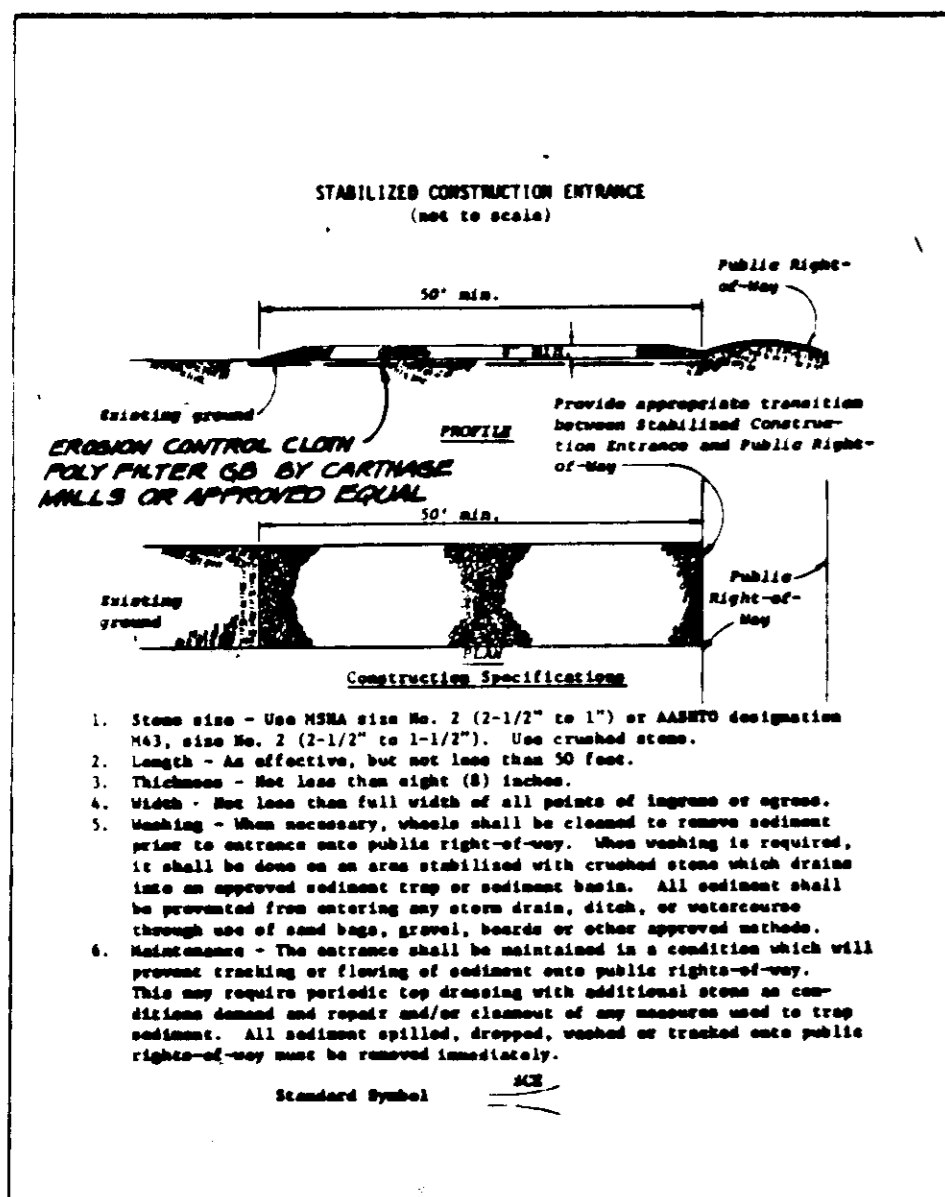
AREA: ANNAPOLIS JUNCTION
6TH ELECTION DISTRICT
HOWARD COUNTY, MD. TAX MAP 47
PARCEL 10B

TITLE: **STORM WATER MANAGEMENT DETAILS**

CHARLES R. CROCKEN
AND ASSOCIATES INC.
CIVIL ENGINEERING AND LAND PLANNING
3637 PARK AVENUE ELLICOTT CITY MD 21043 485 5555

DESIGNED BY: CRC
DRAWN BY: CRC
PROJECT NO:
DATE: MARCH, 1984
SCALE: AS SHOWN
DRAWING NO. 3 OF 4

April 5, 1984
STATE OF MARYLAND
NOTARY PUBLIC
Charles R. Crocken
PROFESSIONAL ENGR. NO. 7203



SEDIMENT CONTROL CONSTRUCTION NOTES

GENERAL NOTES

1. A MINIMUM 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (922-2486G)
2. 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.
3. SITE GRADINGS WILL BEGIN ONLY AFTER ALL PERIMETER SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED AND ARE IN A FUNCTIONING CONDITION.
4. ALL DISTURBED AREAS ARE TO BE DRESSED AND STABILIZED ACCORDING TO THE TEMPORARY OR PERMANENT SEEDING SCHEDULES AS SHOWN ON PLANS WEATHER CONDITIONS EXIST FOR THE ESTABLISHMENT OF A PERMANENT VEGETATIVE COVER.
5. SEDIMENT WILL BE REMOVED FROM TRAP WHEN THE DEPTH REACHES THE CLEAN OUT ELEVATION SHOWN ON THE PLANS.
6. 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.
7. 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.
8. 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".

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.

1. APPLY 10-20-10 FERTILIZER (OR EQUIVALENT) AT THE RATE OF 400 LBS. PER ACRE OR 15 LBS. PER 1000 SQ. FT.
2. WHERE SOIL IS KNOWN TO BE HIGHLY ACID, APPLY DOLOMITIC LIMESTONE AT THE RATE OF 1 TON PER ACRE.
3. 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.
4. 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.

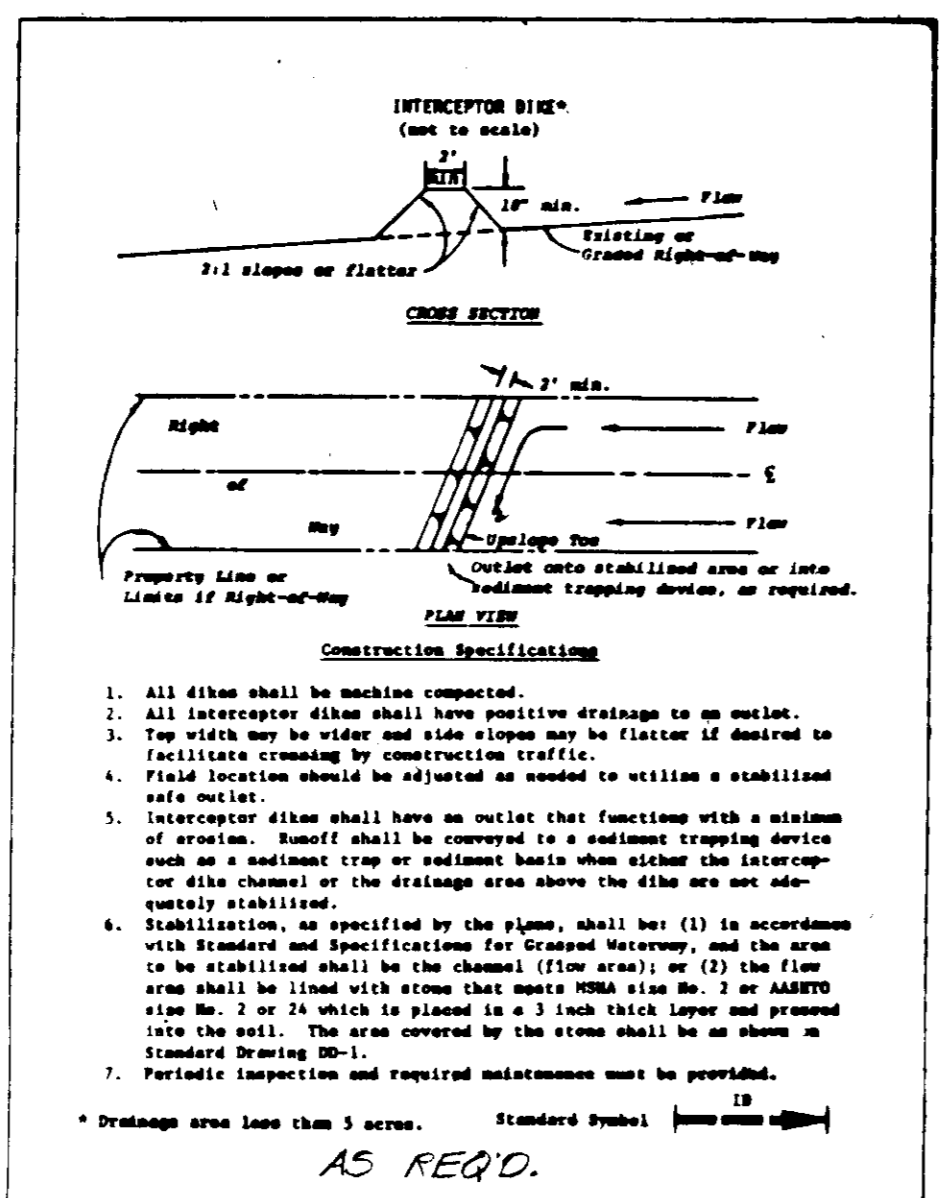
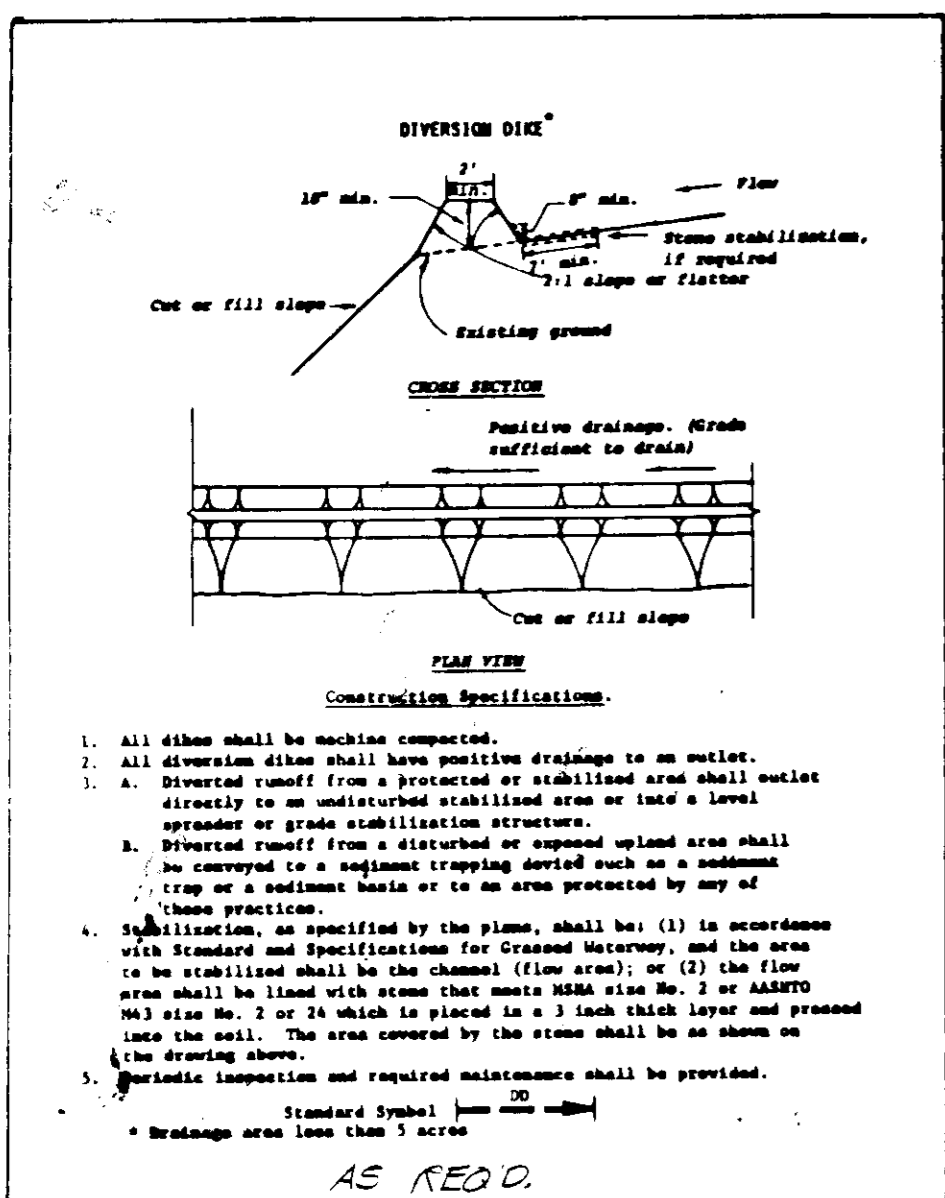
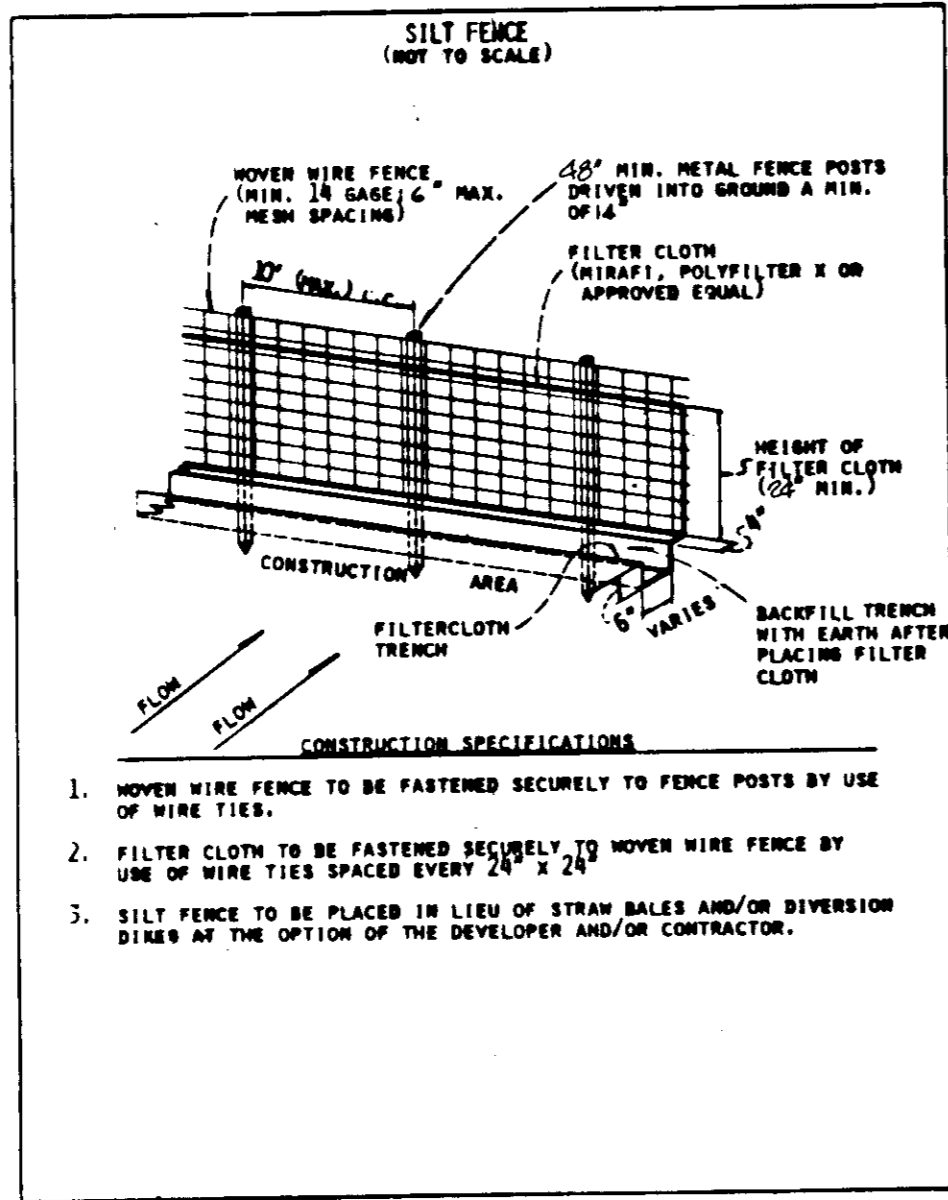
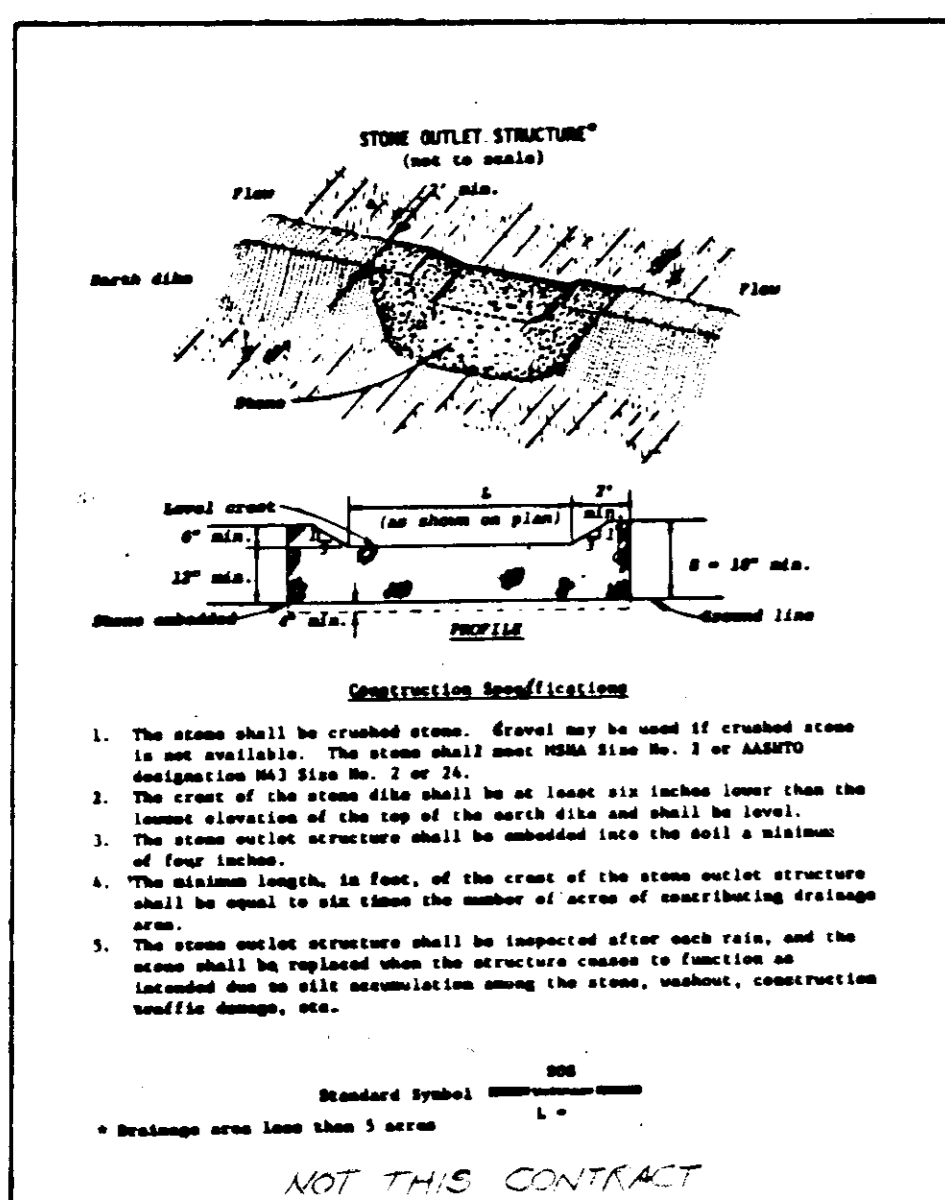
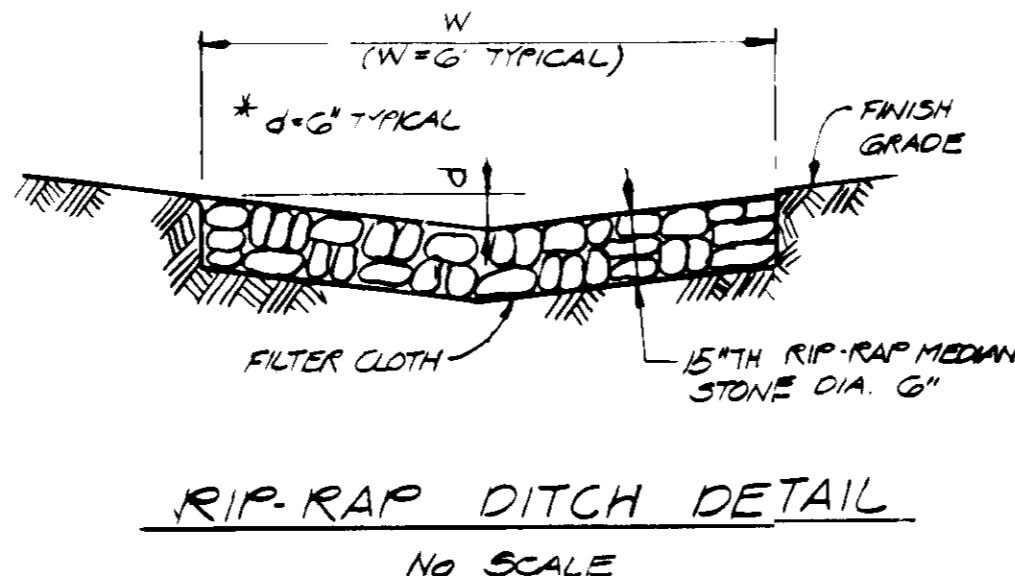
PERMANENT SEEDING

FINAL STABILIZATION WILL TAKE PLACE AS SOON AS POSSIBLE AS WEATHER CONDITIONS PERMIT, AS FOLLOWS:

1. 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).
2. APPLY 0-20-20 FERTILIZER AT THE RATE OF 400 LBS. PER ACRE. HARROW OR DISC LIME AND 0-20-20 FERTILIZER INTO THE SOIL TO A MINIMUM DEPTH OF 3 LAWS 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.
3. SEED WITH A MIXTURE OF CERTIFIED "MERION" KENTUCKY BLUEGRASS @ 40 LBS. PER ACRE; COMMON KENTUCKY BLUEGRASS @ 40 LBS. PER ACRE; RED FESCUE, PENNLANA OR JAMESTOWN @ 20 LBS. PER ACRE.
4. 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.
5. SEED ALL SLOPES WITH A MIXTURE OF CERTIFIED KENTUCKY 31 TALL FESCUE @ 50 LBS. PER ACRE AND INOCULATED KOREAN LESPEDEZA @ 15 LBS. PER ACRE.

* 3%G UNLESS NOTED OTHERWISE ON PLAN OR PROFILE.

NOTE: CONTRACTOR SHALL STABILIZE SWALE DOWN STREAM OF PK LOT WITH SOIL STABILIZATION JUTE MATTING. RIGID DEPTH = 6" & WIDTH = 6" (SIDE SLOPE = 3:1)



These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements for small pond construction, soil erosion and sediment control.

John M. Biel 1-7-86
U.S. Soil Conservation Service Date

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

Stephen L. Fisher 1-7-86
Howard Soil Conservation District Date

By the Developer:

"I 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 at a Department of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I will provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion.

Charles R. Crocken 1-7-86
Date

- SEQUENCE OF CONSTRUCTION**
1. OBTAIN GRADING PERMIT.
 2. INSTALL STABILIZED CONSTRUCTION ENTRANCE.
 3. CLEAR AND GRADE FOR SWM POND ONLY.
 4. CONSTRUCT STORM WATER MANAGEMENT POND WITH TEMPORARY STONE FILTER FOR SEDIMENT CONTROL.
 5. INSTALL ALL PERIMETER DIKES AND SILT FENCE AS SHOWN ON THE PLANS.
 6. PERFORM CLEARING AND ROUGH GRADING OPERATION SEED PER TEMPORARY SEEDING NOTES AS REQUIRED.
 7. CONSTRUCT PROPOSED BUILDING, PAVE SITE, PLACE LANDSCAPING AND SEED REMAINING AREAS IN ACCORDANCE WITH PERMANENT SEEDING NOTES AS REQUIRED.
 8. WHEN ENTIRE SITE IS STABILIZED REMOVE ALL TEMPORARY SEDIMENT CONTROL MEASURES INCLUDING TEMPORARY STONE FILTER IN SWM POND.
 9. SWM POND SHALL BE CLEANED OF ALL SILT AND RESTORED TO LINES AND GRADES SHOWN ON PLAN IN ACCORDANCE WITH POND NOTES.
- NOTE: NO STORM DRAINS (EXCEPT FOR POND) SHALL BE INSTALLED UNDER THIS PERMIT. ALL SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE AND BE MAINTAINED UNTIL SUCH TIME AS ALL GRADING HAS BEEN COMPLETED.

By the Engineer:

"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 must provide the Howard Soil Conservation District with an "as-built" plan of the pond within 30 days of completion.

Charles R. Crocken 12-9-85
Date

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

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

John J. Neumy 1-1-86
Director Date

William B. Gandy 1-8-86
Chief, Bureau of Engineering Date

APPROVED: FOR PUBLIC WATER AND PRIVATE SEWERAGE SYSTEMS

HOWARD COUNTY HEALTH DEPARTMENT

John J. Fisher 1-14-86
County Health Officer Date

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

Donald J. Karpis 1-17-86
Planning Director Date

William B. Gandy 1-16-86
Chief, Division of Land Development and Zoning Administration Date

APPROVED

DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION

HOWARD COUNTY MARYLAND

DATE 1-26-85

DATE	NO.	REVISION DESCRIPTION
5/10/85	1	Revised Per Co Comments Dated 5/7/85
OWNER: C RICHARD LEHNERT E. LEHNERT & SONS 7655 PULASKI HIGHWAY BALTIMORE, MD 21287		
DEVELOPER: C RICHARD LEHNERT E. LEHNERT & SONS CONTRACT 7655 PULASKI HIGHWAY PURCHASER BALTIMORE, MD 21287		
PROJECT: SITE DEVELOPMENT PLAN E. LEHNERT & SONS		
AREA: ANNAPOLIS JUNCTION 6TH ELECTION DISTRICT HOWARD COUNTY, MD TAX MAP 47 PARCEL 108		
TITLE: SEDIMENT CONTROL DETAILS		
CHARLES R. CROCKEN AND ASSOCIATES INC. CIVIL ENGINEERING AND LAND PLANNING 5907 PARK AVENUE ELLICOTT CITY MD 21043 465-8565		
DATE	DESIGNED BY:	CRC
	DRAWN BY:	CRC
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