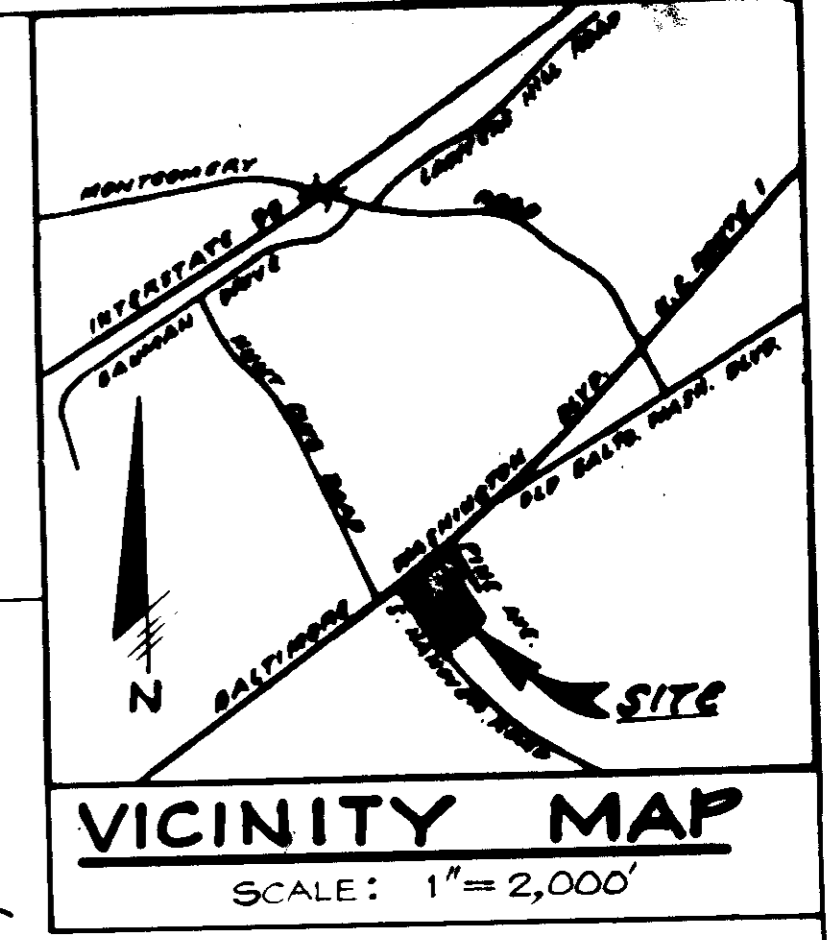


- IMPORTANT CONSTRUCTION NOTES**
- (A) Contractor shall remove existing grate and permanently cover existing inlet (TOP OF COVER EL. = 152.35')
 - (B) Contractor shall plug existing 12" diameter pipe downstream of proposed M.12 following its construction.
 - (C) Contractor shall remove existing 8" concrete sidewalk as required. And construct new 8" concrete sidewalk, providing a smooth transition to the existing macadam truck loading area (see detail sheet 2 of 7).
 - (D) Contractor shall relocate ex. 6" SMC as required, if encountered during construction of Site Improvements. The Engineer recommends relocation to ex. MH 6123 of Contract No. 348-S, located in Pine Ave. (Inv. = 139.56).



GENERAL NOTES

- PROPERTY**
 - A. Tax Map 38 Parcel "A"
 - B. Dead reference Liber 1394 Folio 522
- SITE ANALYSIS**
 - A. Parcel Area = 7,728 Ac.
 - B. Present zoning: M-1
 - C. Proposed use of expansion: WAREHOUSING
 - D. Building expansion area: 0.29 Ac. = 12,720 sq. ft.
 - E. Area of existing buildings:
 - 1. Existing warehouse: 15,960 sq. ft. (5.04% of TOTAL SITE)
 - 2. Existing office: 4,032 sq. ft. (1.28% of TOTAL SITE)
 - 3. Total existing structures: 20,992 sq. ft. (6.24% of TOTAL SITE)
 - F. Total area of existing and proposed buildings: 25,024 sq. ft. (7.52% of TOTAL SITE)
 - G. **PARKING**
 - 1. Designates number of parking spaces per bay.

Use	Total Area (sq. ft.)	Requirement	Spaces Provided
Ex. Office	4,032	1sp./1000 sq. ft.	4
Ex. Warehouse	15,960	1sp./1000 sq. ft.	16
Prop. Warehouse	12,720	1sp./1000 sq. ft.	13
Totals			33
			TOTAL SPACES REQUIRED: 38
			TOTAL SPACES PROVIDED: 64
			TOTAL HANDICAPPED SPACES: 3

- Proposed site coverage:**
 - Proposed Building Expansion Area = 0.29 Ac. 3.75%
 - Proposed Paved Area = 1.90 Ac. 24.59%
 - Proposed Green Area = 1.52 Ac. 25.23%
 - TOTAL DISTURBED AREA = 3.71 Ac. 69.81%
 - TOTAL UNDISTURBED AREA = 3.88 Ac. 50.19%
- CONSTRUCTION**
 - 1. Call "Miss Utility" 48 hrs. prior to starting construction 1-800-251-7777.
 - 2. All damages to Public R/W Area (State or County), including paving and curb and gutter, shall be repaired at the owner's expense.
 - 3. All work shall be in accordance with the latest Howard County Standards, Details and Specifications.
 - 4. Topographic survey by Kiddie Consultants, Inc. Topo date: May, 1984.
 - 5. All exterior lighting shall be directed/reflected away from Public Road Right of Way.
 - 6. Road improvements to U.S. Route 1 are subject to M&A CONTRACT # M-643-501-777.
 - 7. Road improvements to S. Manover Rd. & Pine Ave. are subject to approved plans, P-181-57.
 - 8. Vehicular ingress & egress along U.S. Route 1 is restricted as shown on Record Plat P-84-57.
 - 9. Water service provided under Contract # 44-6506.
 - 10. Sewer service provided under Contract # 346-5.
 - 11. Alignment of ex. 6" Dia. SMC is not known. Dye test performed by Howard County Bureau of Utilities indicated connection to ex. MH #6083 of Contract No. 346-S. (Please see Important Construction Note Item D).

APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 2-11-87

PLAN
 SCALE: 1" = 30'

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICE
 [Signature]

ADDRESS CHART

LOT NUMBER	STREET ADDRESS
PARCEL "A"	6525 U.S. ROUTE No. 1

SUBDIVISION NAME		SECT./AREA	BLOCK
EVELYN SILVER PROPERTY			PARCEL A
PLAT No.	BLOCK	ZONE	TAX MAP
7595	N2743	M-2	3B
WATER CODE:		SEWER CODE:	
A-01		2150528	

APPROVED: [Signature] 2-8-88
 DATE: 2/14/88
 DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

APPROVED: [Signature] 2/19/88
 DATE: 2-18-88
 CHIEF BUREAU OF ENGINEERING

KIDDE CONSULTANTS, INC.
 ENGINEERS, LAND PLANNERS & SURVEYORS
 1100 WEST STREET / LAUREL MD 20707
 (301) 726-0886 / 726-0888

REVISIONS

NO.	DESCRIPTION	DATE
1	REMOVED EX. LIST & PUMP ISLAND. ADDED 12' x 24' CONC. TRUCK PAD & 12' x 40' CONC. PAD FOR BULK STORAGE TANK. ADDED PROPOSED PAVING AND REVISIONS TO DRAIN 1	12/16/86
2	ROOF DRAINS CONNECTED TO EXISTING 12" RCP	1/21/87
3		2-11-87

SITE DEVELOPMENT PLAN
 FOR PARCEL "A" OF EVELYN SILVER PROPERTY
A-P-A TRANSPORT CORP.
 FIRST ELECTION DISTRICT PARCEL "A"
 HOWARD COUNTY, MARYLAND
 38

OWNER: IMPER REALTY
 A NEW JERSEY LIMITED PARTNERSHIP
 C/O DOMINICK R. ALESSO
 2100 88th STREET
 NORTH BERGEN,
 NEW JERSEY 07047

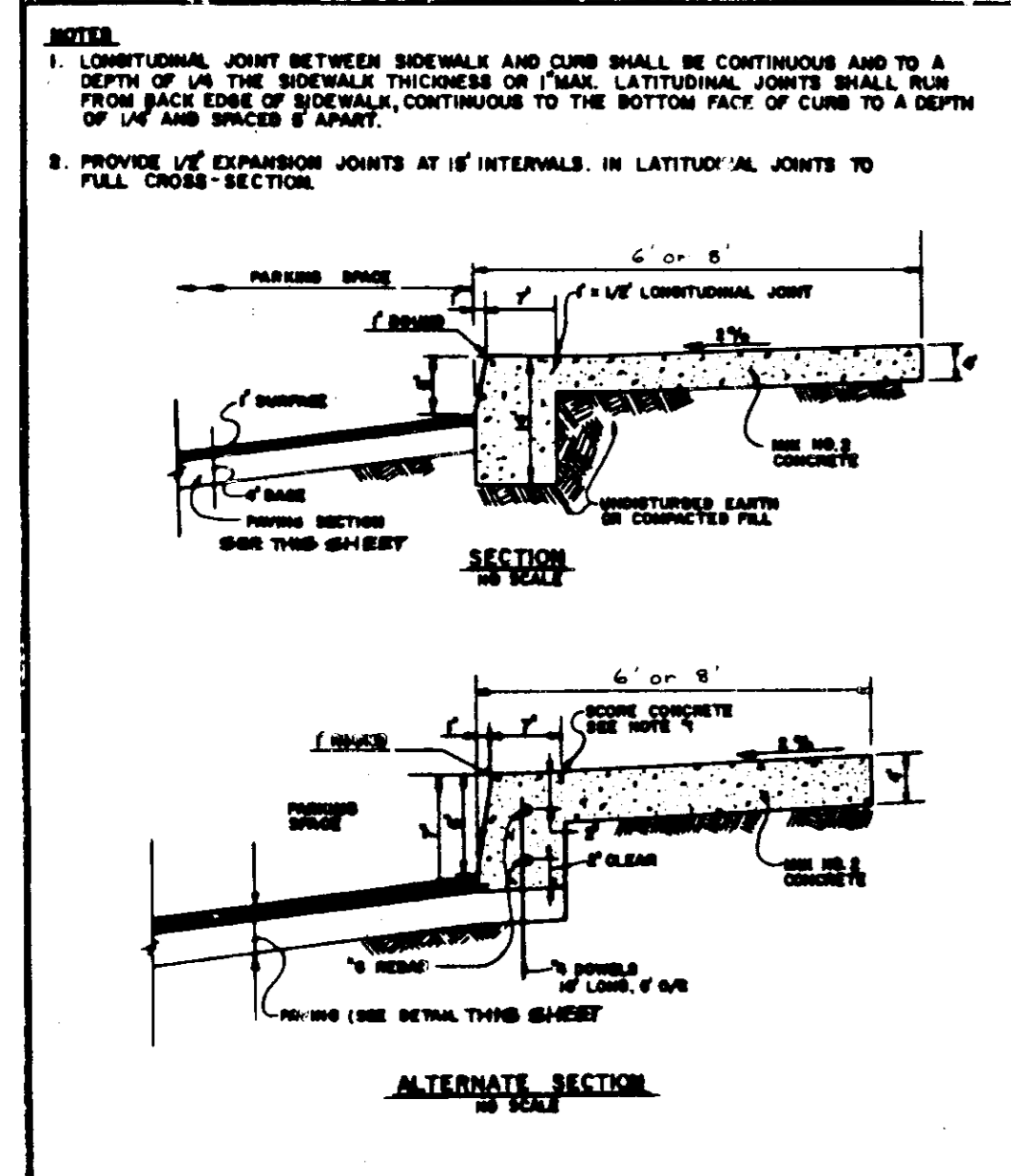
DEVELOPER
A.P.A.
TRANSPORT CORP.
 2100 88th ST. NORTH BERGEN,
 N.J. 07047 (201) 669-6600
 (212) 664-3130 TEL. EX. 3130 FAX 3130
AS-BUILT SDP-87-73

SCALE AS SHOWN
 SHEET 1 OF 7

SECTION NUMBER	ROAD AND STREET CLASSIFICATION	PAVEMENT MATERIALS	
		FULL DEPTH BIT. CONC. ALTERNATE	GRANULAR BASE ALTERNATES
(P-1)	PARKING AREAS AND TRAVELWAYS FOR AUTOS ONLY, COMMERCIAL ZONES WITH NO HEAVY TRUCKS P-1 AS SHOWN ON SHEET 1 OF 7	1" BIT. CONC. SURFACE 4" BIT. CONC. BASE	1" BIT. CONC. SURFACE 2" BIT. CONC. BASE PRIME 5" CRUSHER RUN BASE COURSE OR 4" DENSE GRADED STABILIZED AGGREGATE BASE COURSE
(P-3)	PARKING AREA & TRAVELWAYS COMMERCIAL ZONES, MORE THAN 10 HEAVY TRUCKS PER DAY, ALSO LOADING DOCK AREAS IN REAR OF SITE. P-3 AS SHOWN ON SHEET 1 OF 7	1 1/2" BIT. CONC. SURFACE 1 1/2" BIT. CONC. BASE PRIME 5" BIT. CONC. BASE	1 1/2" BIT. CONC. SURFACE 4 1/2" BIT. CONC. BASE PRIME 5" CRUSHER RUN BASE COURSE OR 4 1/2" DENSE GRADED STABILIZED AGGREGATE BASE COURSE

PAVING SECTIONS

NO SCALE



HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS
Approved: *[Signature]*
3-1-88
Chief Bureau of Engineering

MONOLITHIC CURB & SIDEWALK
PRIVATE PARKING AREA

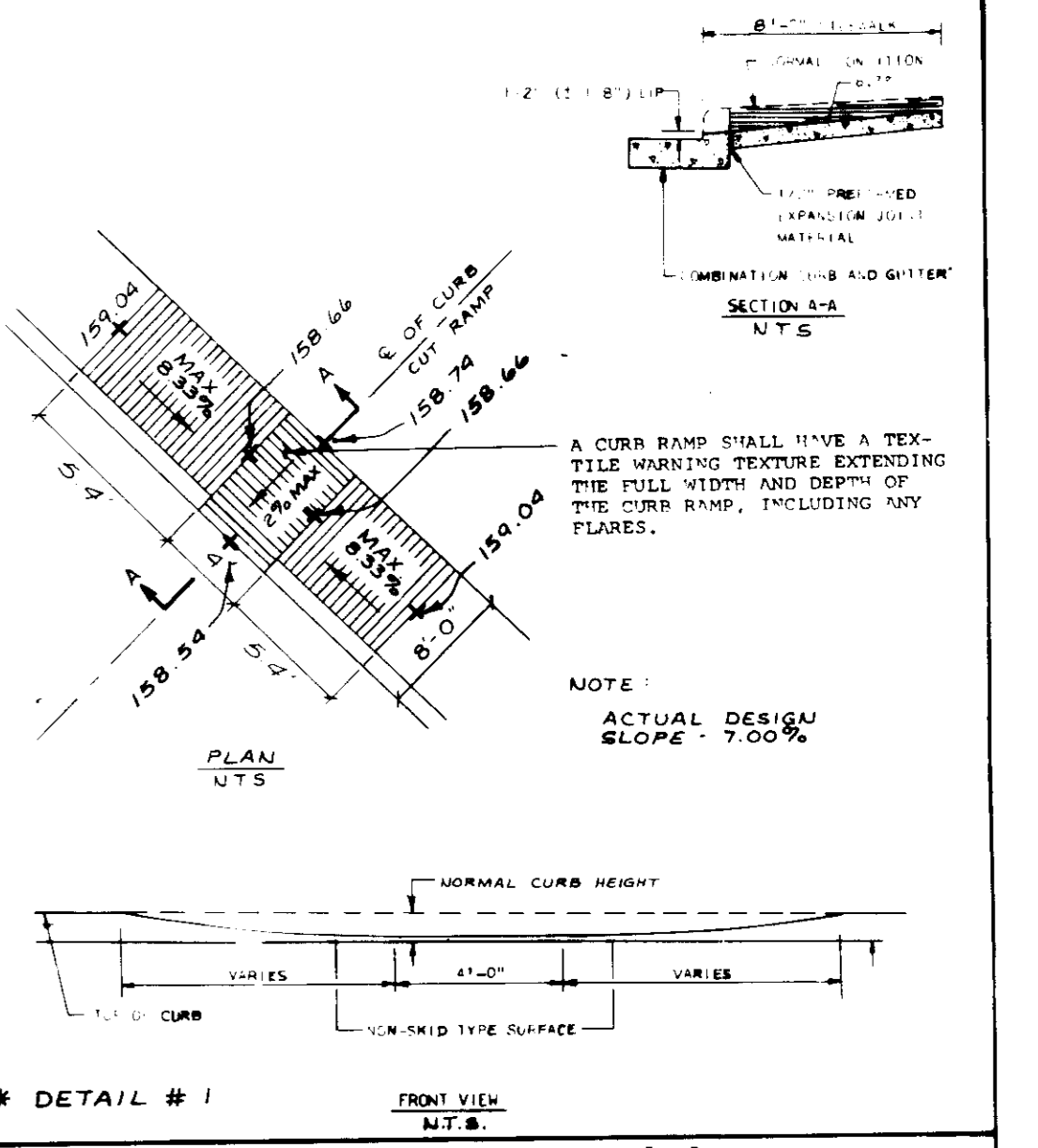
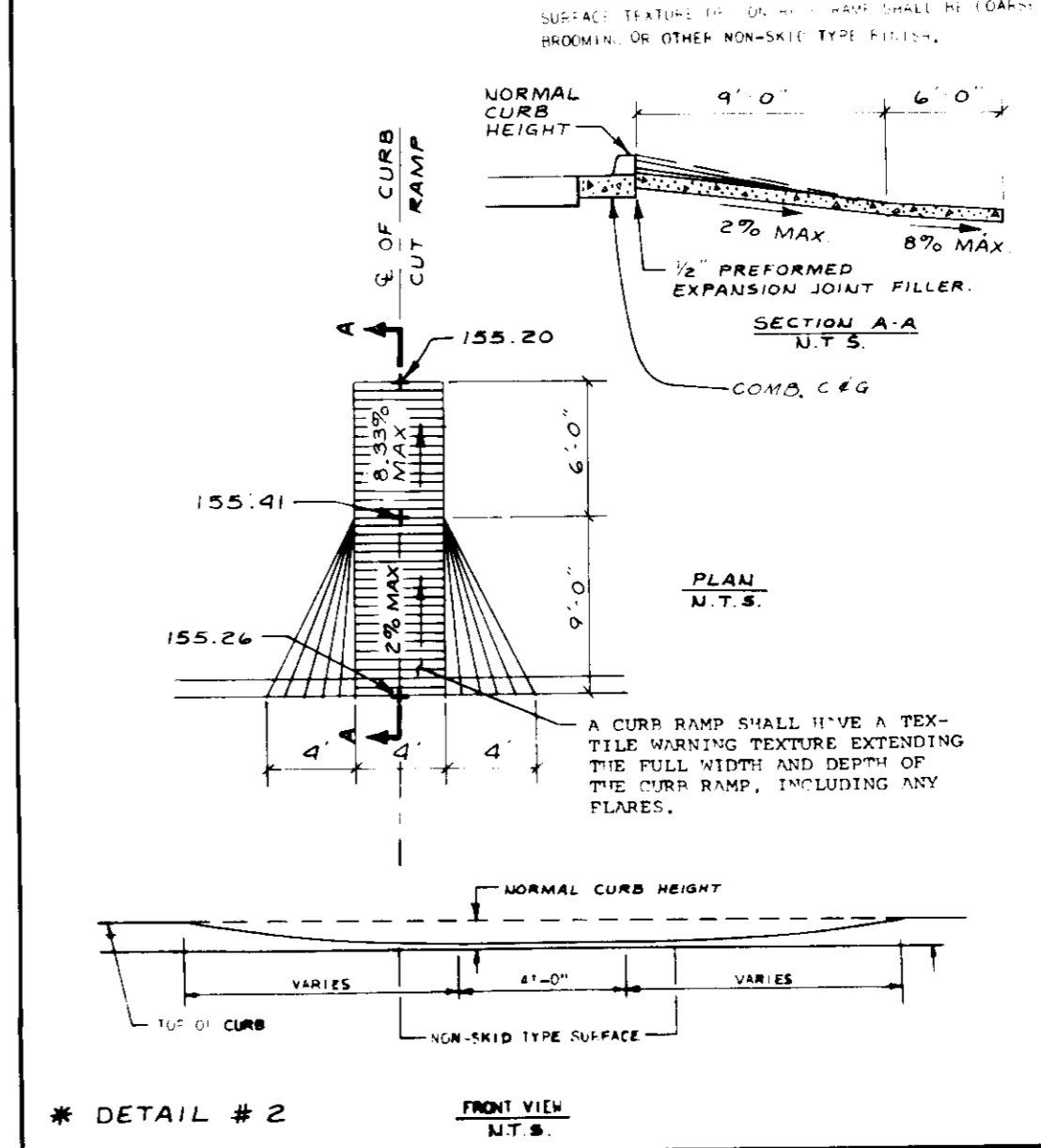
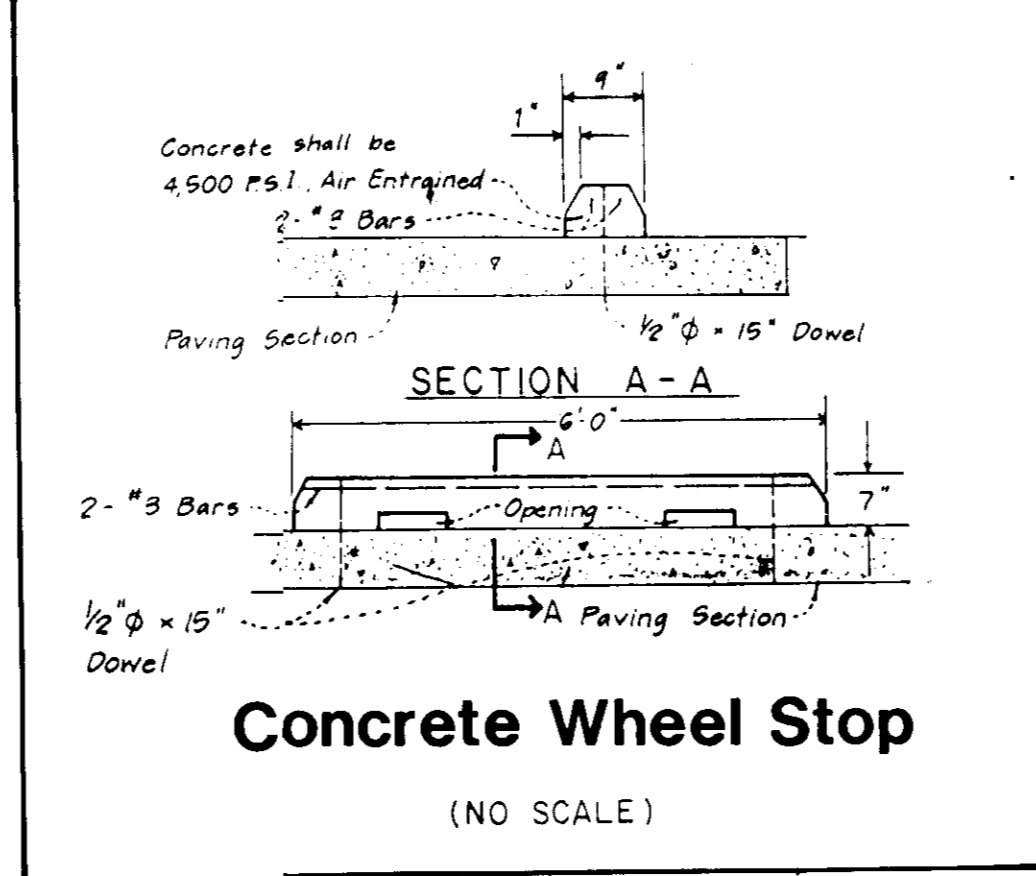
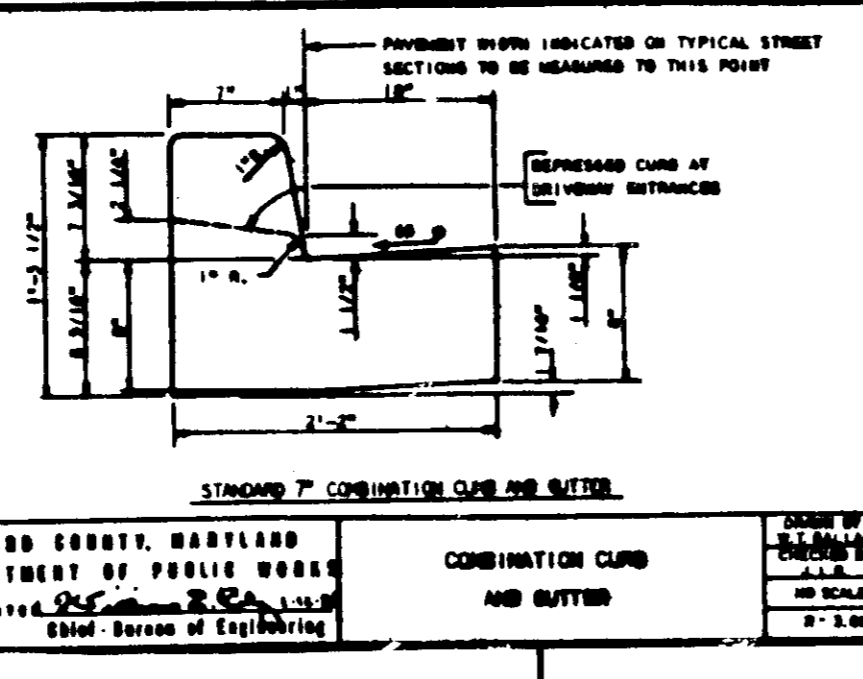
STRUCTURE SCHEDULE						
NO.	TYPE	INV. IN.	INV. OUT.	TOP EL.	REMARKS	
I-1	DOUBLE TYPE "S" INLET	147.52	147.52	152.00	SEE HO.CO.STD.DETAIL SD 4.23	
M-1	5'-0" STANDARD MANHOLE	145.88	145.88	154.25	SEE HO.CO.STD.DETAIL G 5.13	
M-2	5'-0" STANDARD MANHOLE	145.90	145.90	153.30	SEE HO.CO.STD.DETAIL G 5.13	
S-1	METAL END SECTION CIRCULAR METAL PIPE	-	141.25	142.50	SEE HO.CO.STD.DETAIL SD 5.61	
S-2	MODIFIED TYPE "K" INLET	142.00	141.25	146.00	SEE DETAIL SHEET 2 OF 7	
S-3	TYPE "A" HEADWALL (CIRCULAR)	-	145.63	149.88	SEE DETAIL SHEET 2 OF 7	

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
[Signature] 3-1-88
COUNTY HEALTH OFFICER

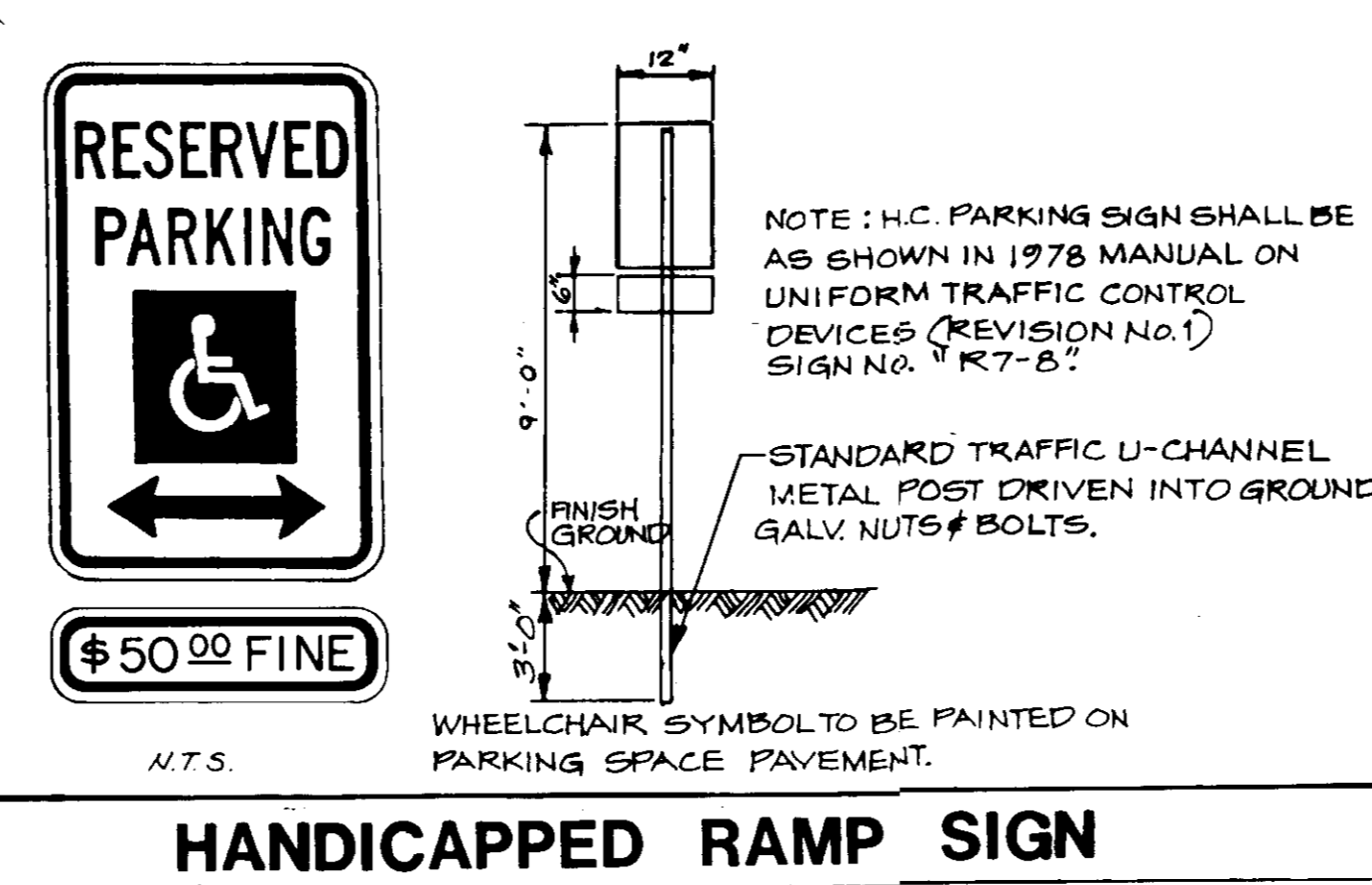
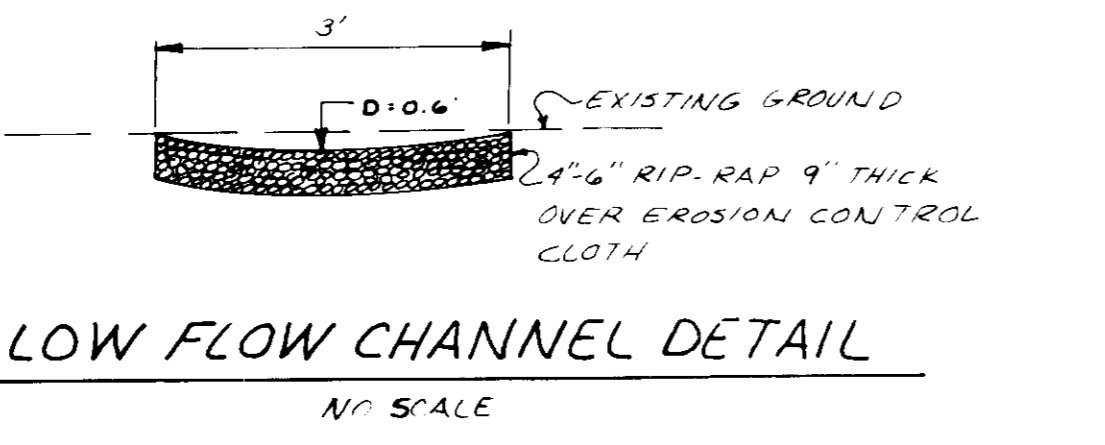
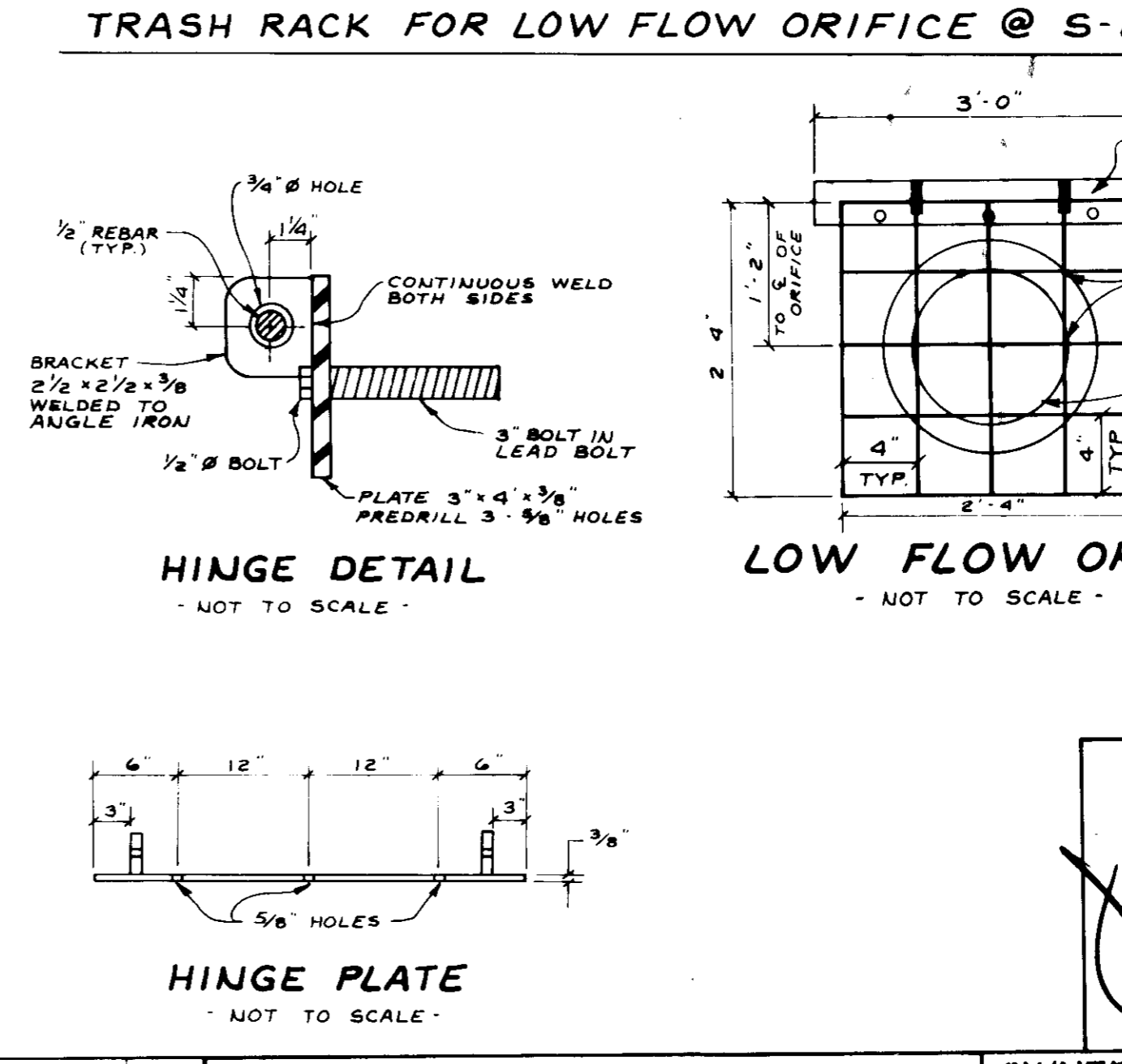
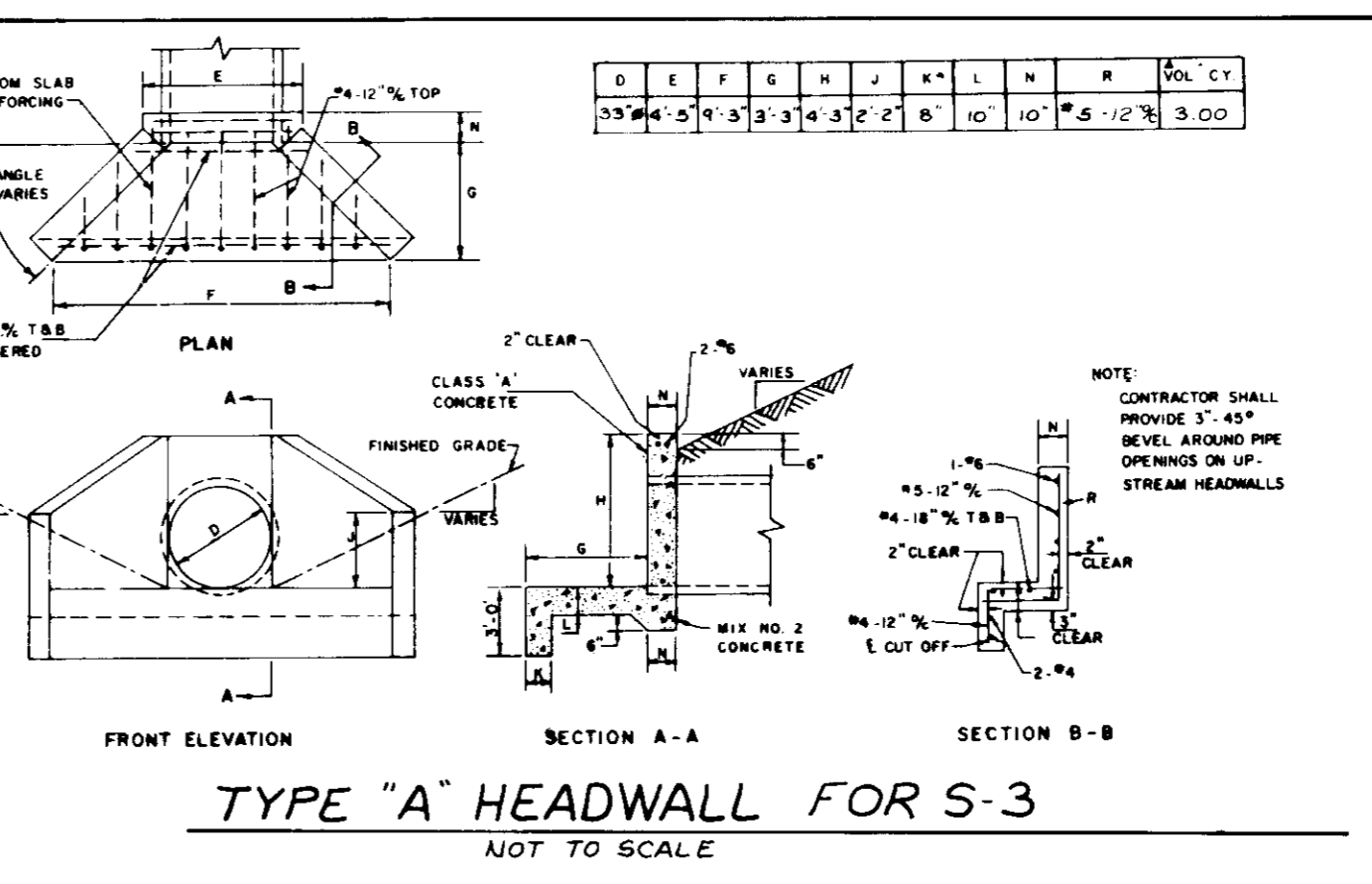
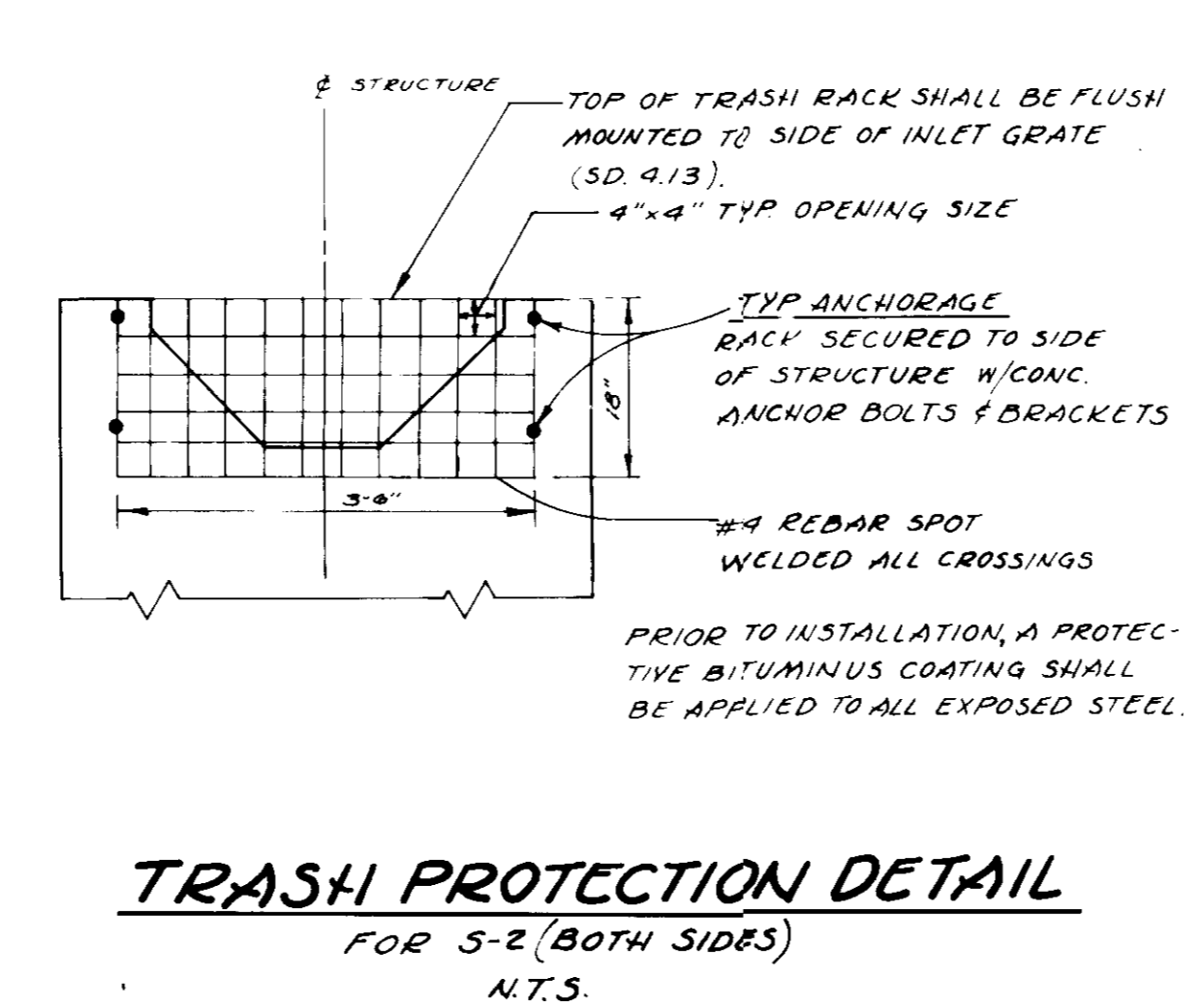
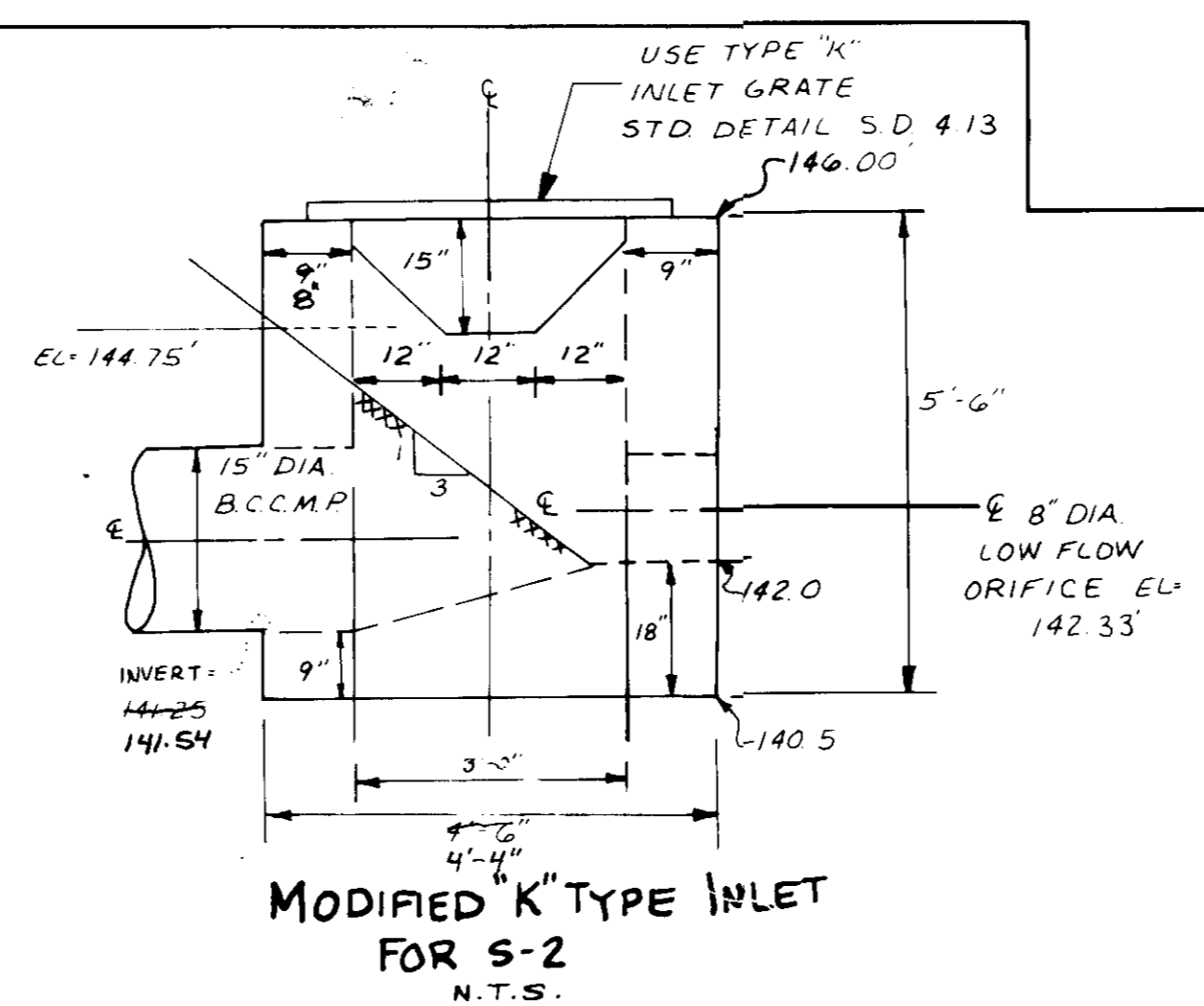
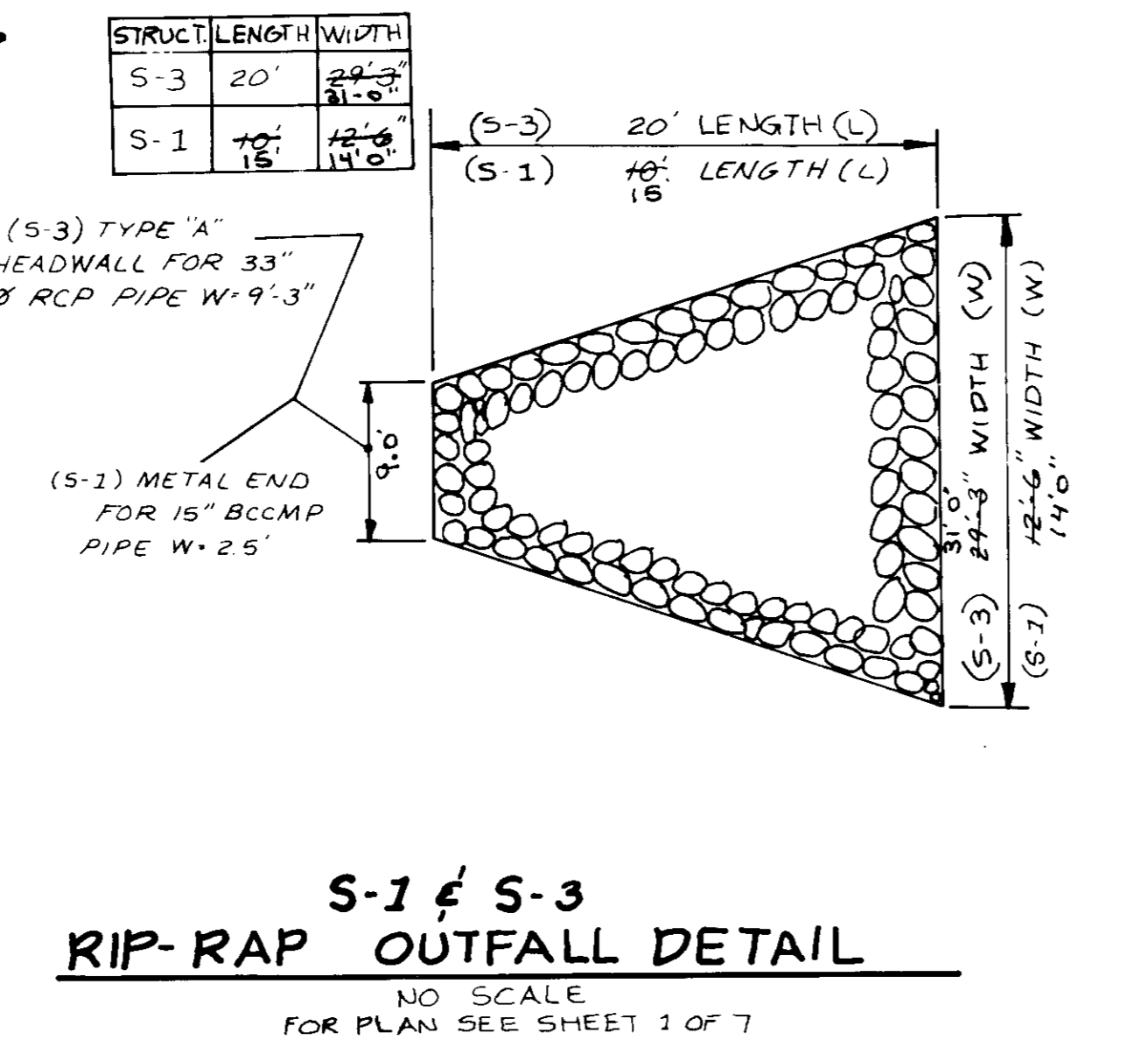
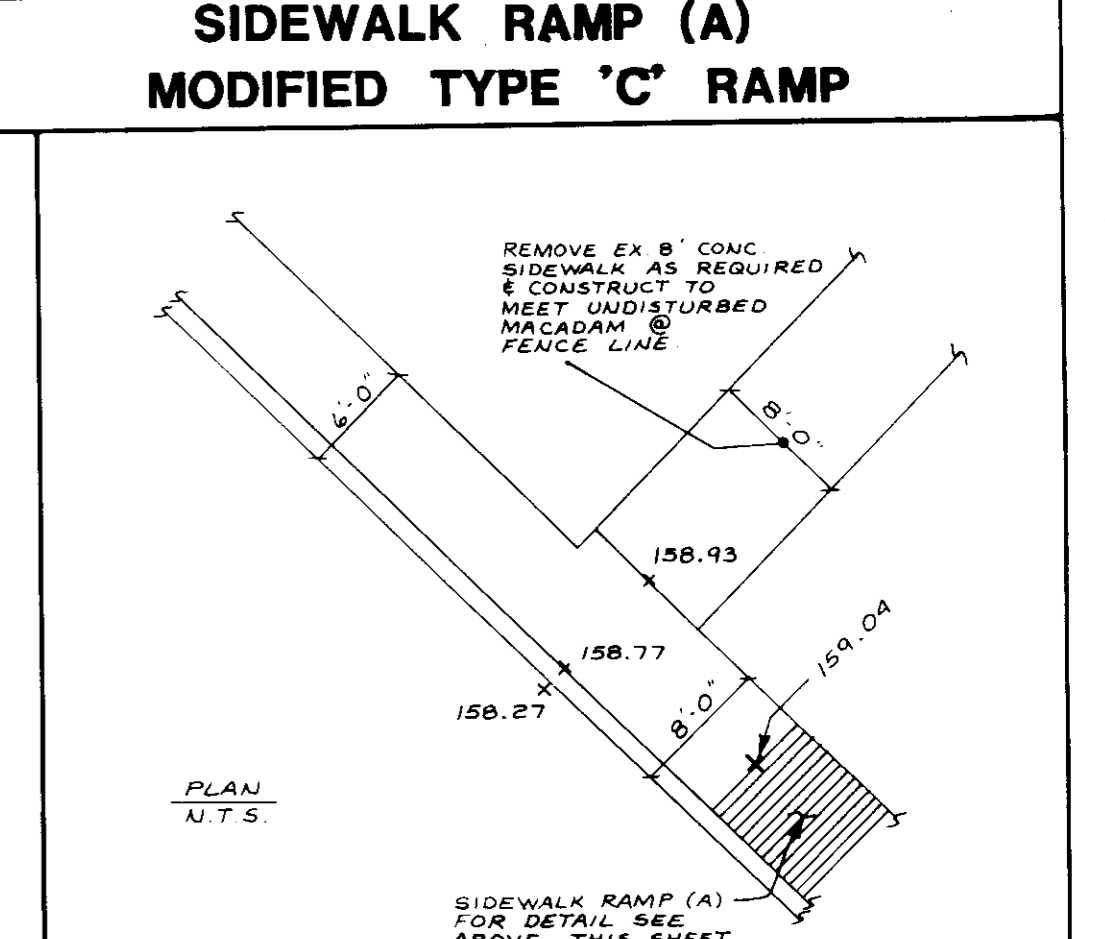
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
[Signature] 3-8-88
DIRECTOR

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] 2/19/88
DIRECTOR

APPROVED: *[Signature]* 2-13-88
CHIEF BUREAU OF ENGINEERING



APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE: 2-11-87



KIDDE CONSULTANTS, INC.
ENGINEERS • PLANNERS • SURVEYORS
1100 WEST STREET / SUITE 100 / LAUREL, MD 20707
(Wash.) (301) 953-1821 / 792-8086 (Balt.)

JOHN E. C. PATMORE P.E. 8978 DATE

DES: M.S.S.	DRN: M.W.G.	CHK: D.C.W.	DATE: 9/86	BY: NO.	REVISION

DETAIL SHEET
FOR PARCEL "A" OF EVELYN SILVER PROPERTY A-P-A TRANSPORT CORP. FIRST ELECTION DISTRICT PARCEL "A" HOWARD COUNTY, MARYLAND

600 SCALE MAP NO. 38 BLOCK NO. 7, 8, 13, 14

OWNER: IMPER REALTY
A NEW JERSEY LIMITED PARTNERSHIP
C/O DOMINICK R. ALESSO
2100 88th STREET
NORTH BERGEN,
NEW JERSEY 07047

DEVELOPER
A.P.A.
TRANSPORT CORP.
2100 88th NORTH BERGEN,
NEW JERSEY 07047
(201) 869-4600 (201) 869-3130
TELE: 219-512-224 UK

SCALE AS SHOWN
SHEET 2 OF 7

SIDEWALK IMPROVEMENTS
SEE NOTE (C) SHEET 1 OF 7

By the Developer:
"I/we 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. I also authorize periodic on-site inspections by the Howard Soil Conservation District."

[Signature] 2/20/89
ROBERT SPAIN
SUPERINTENDANT APA TRANS. INC. 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."

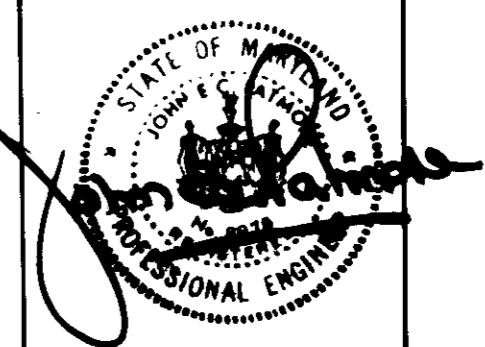
[Signature] 2/20/88
JOHN E.C. PATMORE P.E. 8978 DATE

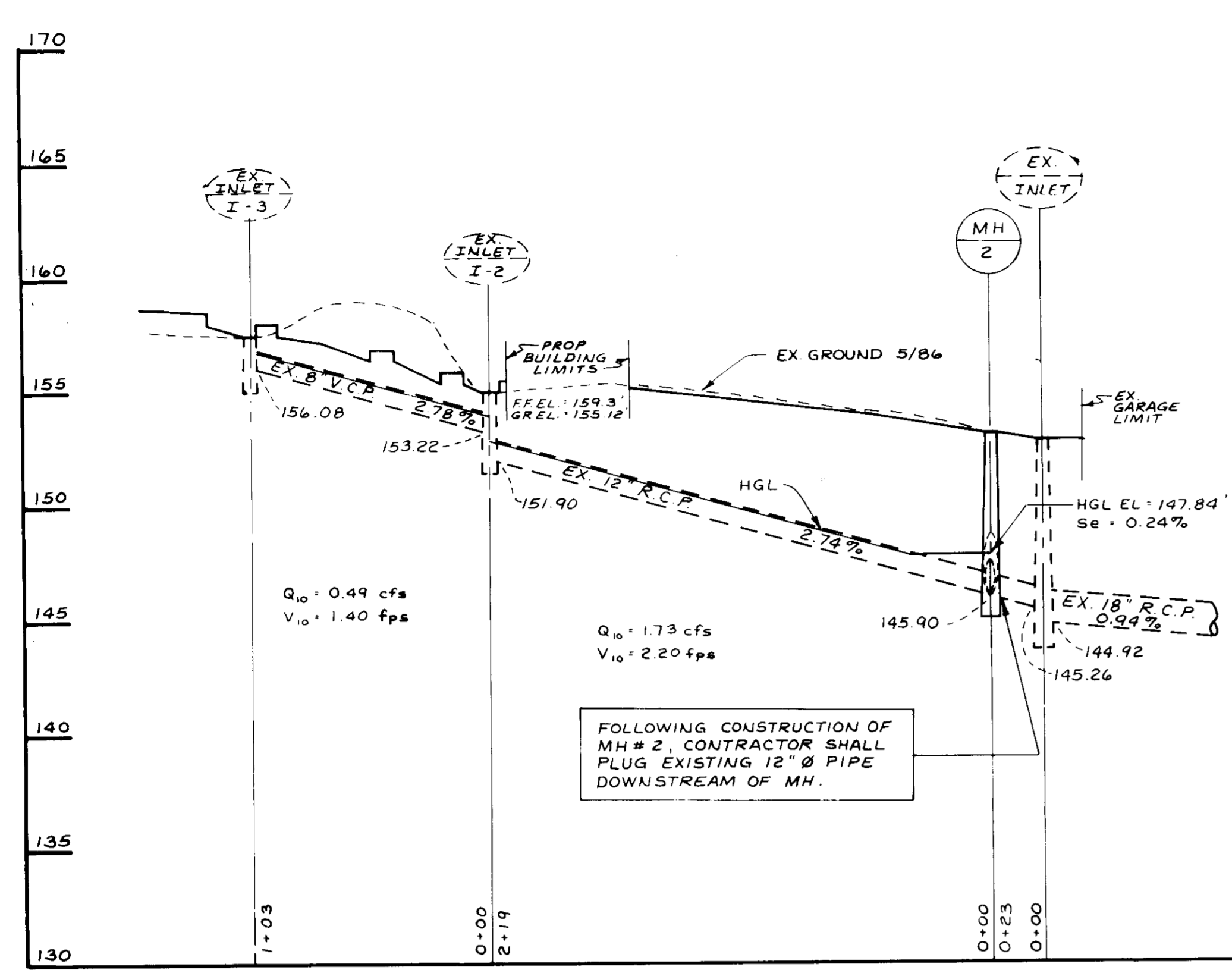
These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements for small pond construction, soil erosion and sediment control.

[Signature] 2-10-88
U.S. Soil Conservation Service Date

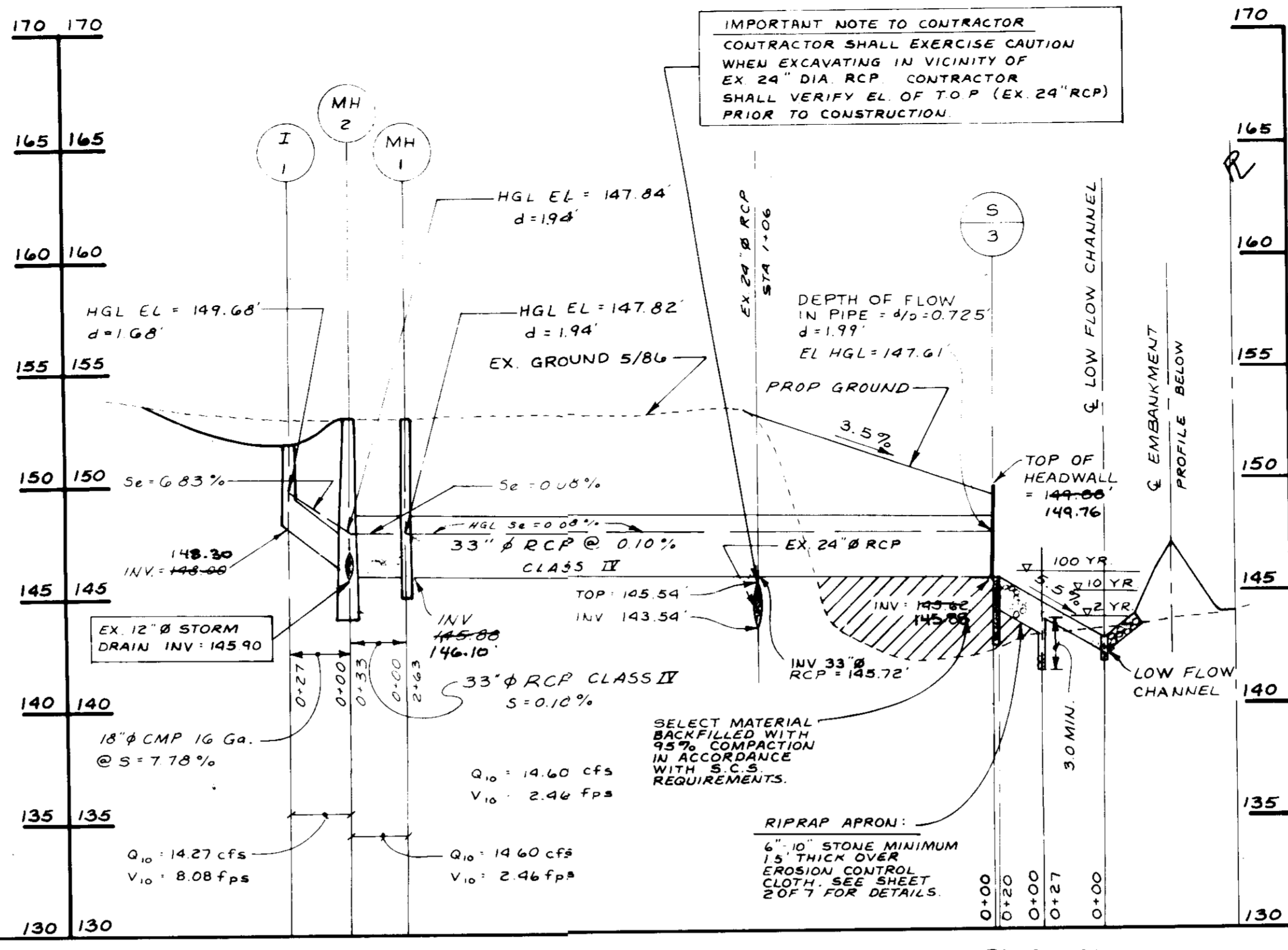
These plans for small pond construction, soil erosion and sediment control meet the requirements of the Howard Soil Conservation District.

[Signature] 2-10-88
Howard Soil Conservation District Date

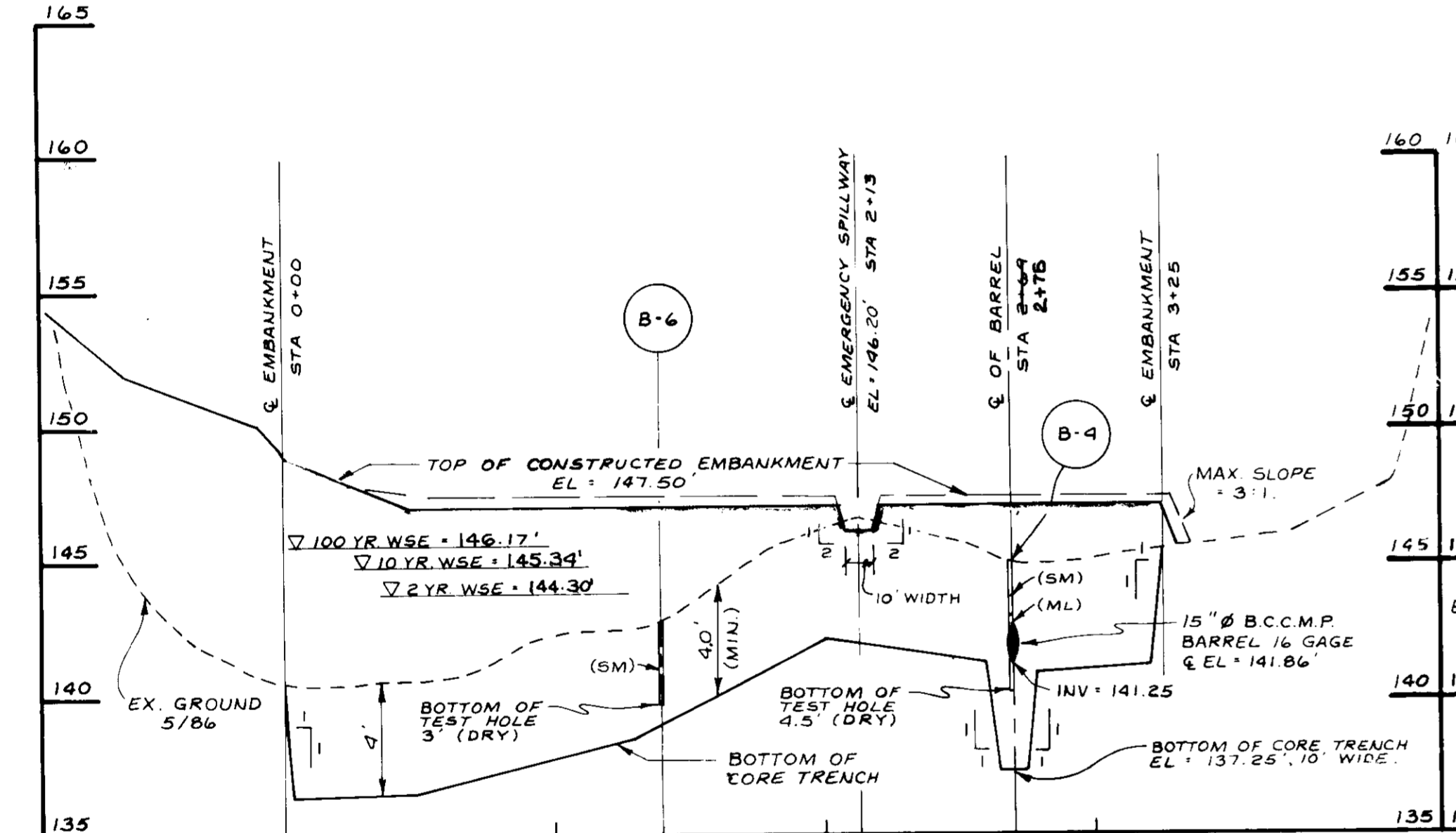




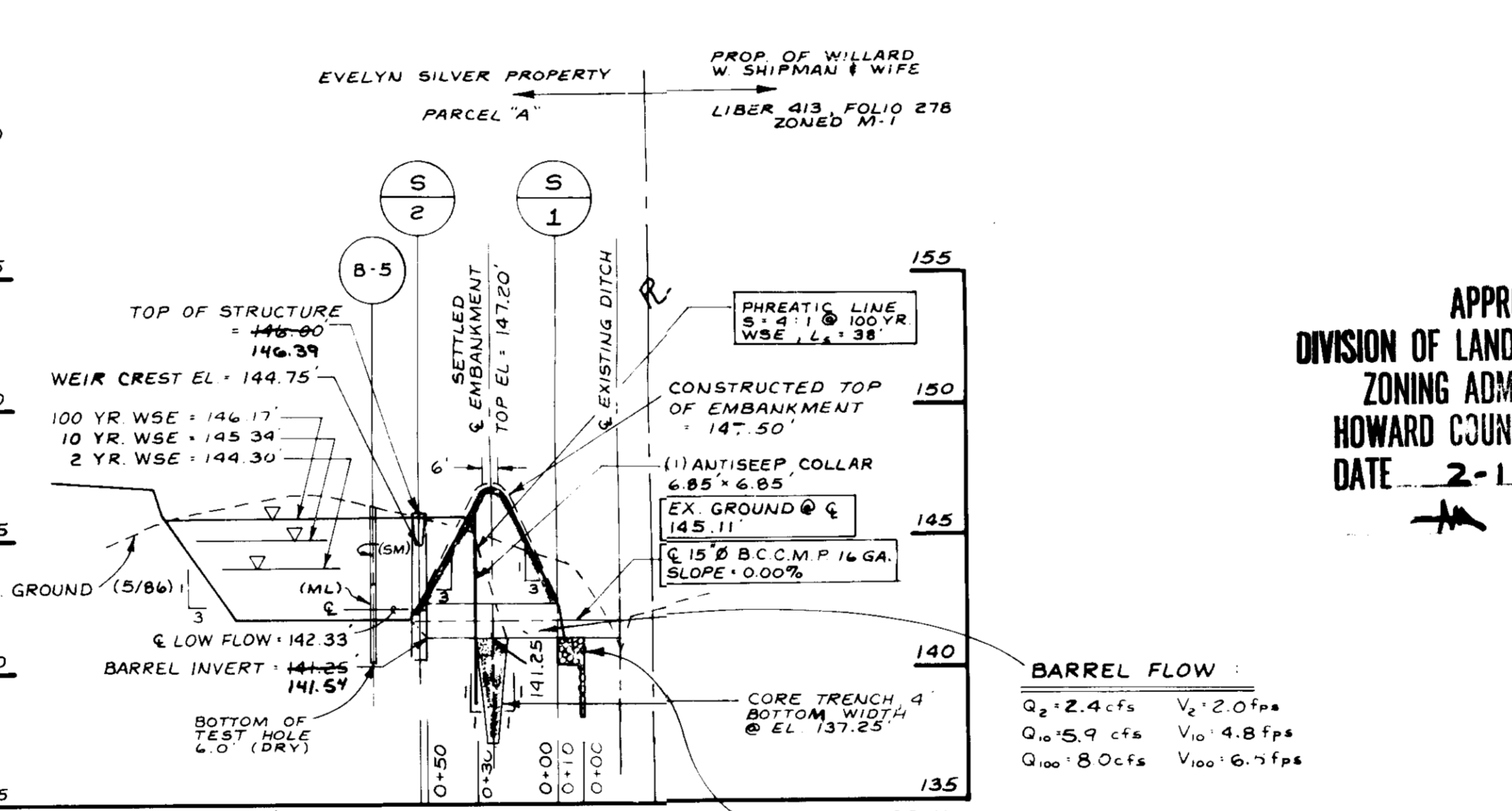
EXISTING STORM DRAIN SYSTEM
SCALE: HORIZ. 1" = 50', VERT. 1" = 5'



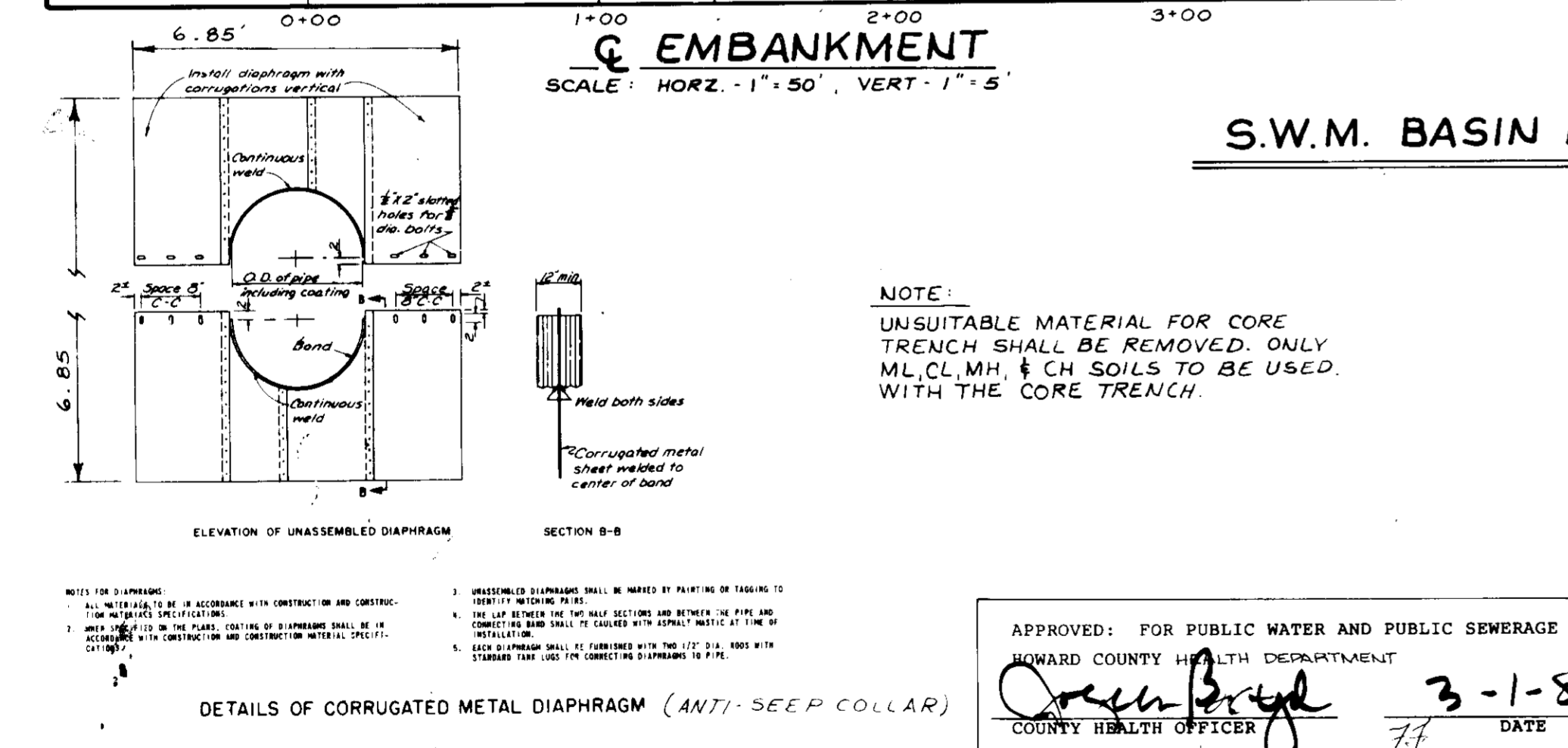
PROPOSED STORM DRAIN SYSTEM
SCALE: HORIZ. 1" = 50', VERT. 1" = 5'



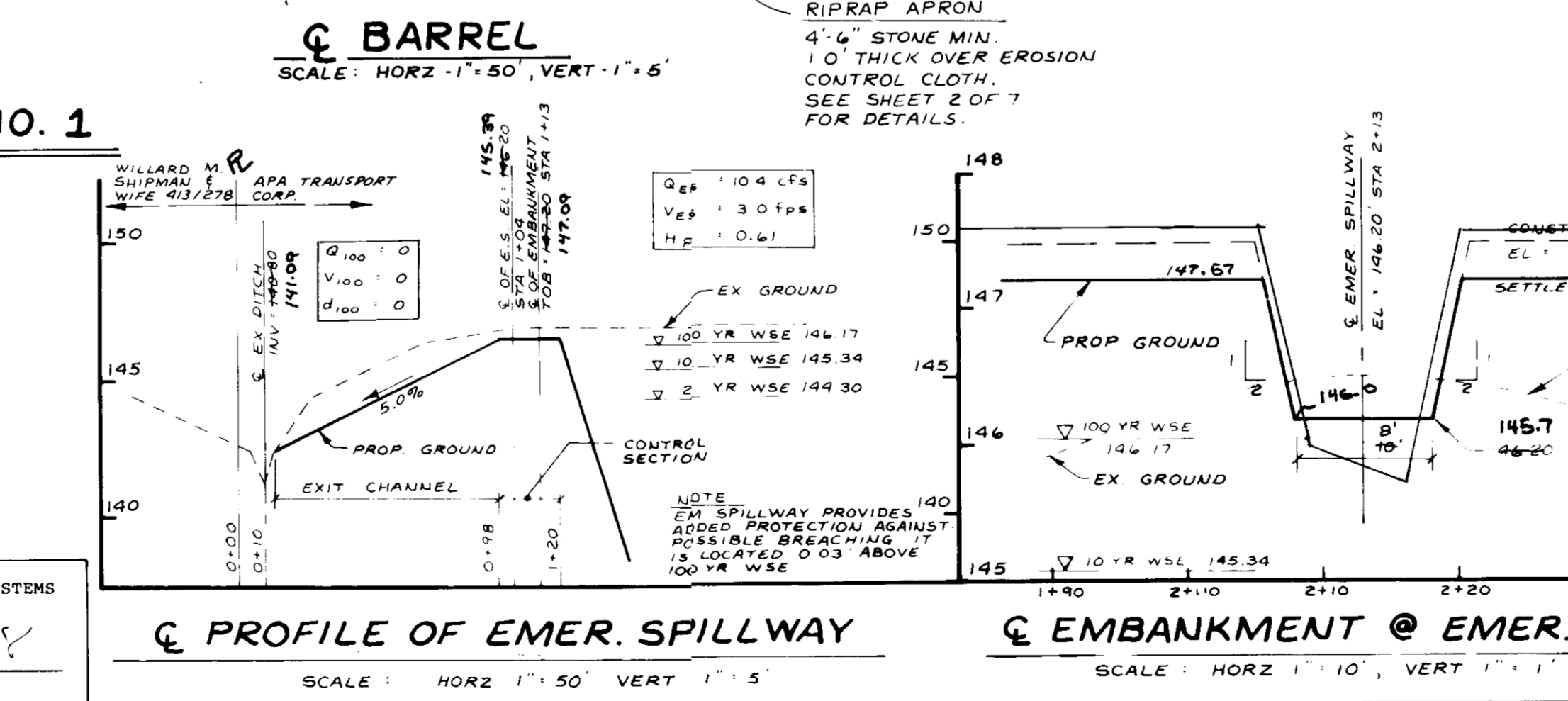
EMBRANKMENT
SCALE: HORIZ. 1" = 50', VERT. 1" = 5'



BARREL
SCALE: HORIZ. 1" = 50', VERT. 1" = 5'



S.W.M. BASIN NO. 1
SCALE: HORIZ. 1" = 50', VERT. 1" = 5'



PROFILE OF EMER. SPILLWAY
SCALE: HORIZ. 1" = 50', VERT. 1" = 5'

DETAILS OF CORRUGATED METAL DIAPHRAGM (ANTI-SEEP COLLAR)

NOTE: UNSUITABLE MATERIAL FOR CORE TRENCH SHALL BE REMOVED. ONLY M.C.L.M.H. & CH SOILS TO BE USED WITH THE CORE TRENCH.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER
John M. Smith 3-1-88

EMBRANKMENT @ EMER. SPILLWAY
SCALE: HORIZ. 1" = 10', VERT. 1" = 1'

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR
John M. Smith 3/1/88

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
CHIEF BUREAU OF ENGINEERING
John M. Smith 2/18/88

IMPORTANT NOTE TO CONTRACTOR
CONTRACTOR SHALL EXERCISE CAUTION WHEN EXCAVATING IN VICINITY OF EX 24" DIA RCP CONTRACTOR SHALL VERIFY EL. OF T.O.P. (EX 24" RCP) PRIOR TO CONSTRUCTION.

SOIL CONSERVATION SERVICE
MARIELAND
CONSTRUCTION SPECIFICATION
FOR
POND

These specifications are appropriate to ponds within the scope of the Standard for practice 378.

1. SIZE PREPARATION
Area designated for borrow areas, embankment, and structural work shall be cleared, graded and stripped of topsoil. All trees, brush, stumps and other debris shall be removed. Channel banks shall be graded to a maximum of 1:1 and sharp breaks shall be sloped.

2. EMBANKMENT
The embankment shall be constructed of the best available material. The embankment shall be compacted in layers not exceeding 6 inches. The embankment shall be finished to a maximum slope of 3:1. The embankment shall be protected with riprap apron.

3. BARREL
The barrel shall be constructed of concrete. The barrel shall be finished to a maximum slope of 3:1. The barrel shall be protected with riprap apron.

4. SPILLWAY
The spillway shall be constructed of concrete. The spillway shall be finished to a maximum slope of 3:1. The spillway shall be protected with riprap apron.

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 2-11-87

SEDIMENT CONTROL & POND CONSTRUCTION

By the Developer:
"I/We 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. I also authorize periodic on-site inspections by the Howard Soil Conservation District."

Robert Spahn 2/19/88
Signature of Developer
MR. ROBERT SPAHN
SUPERINTENDENT A.P.A. TRANSPORT CORP.

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."

John E. Patmore 2-23-88
Signature of Engineer
JOHN E. PATMORE P.E. NO. 8978

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 E. Patmore 2-10-88
Signature of Engineer
HOWARD SOIL CONSERVATION DISTRICT

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
DIRECTOR
John M. Smith 3/1/88

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR
John M. Smith 3/1/88

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
CHIEF BUREAU OF ENGINEERING
John M. Smith 2/18/88

KIDDE CONSULTANTS, INC.
ENGINEERS • PLANNERS • SURVEYORS
1100 WEST STREET / SUITE 100 / LAUREL, MD 20707
(Wash.) (301) 953-1821 / 792-8086 (Balt.)

STORMWATER MANAGEMENT & STORM DRAIN PROFILES
PARCEL "A" OF
EVELYN SILVER PROPERTY
A.P.A. TRANSPORT CORP.
FIRST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

OWNER: IMPER REALTY
A NEW JERSEY LIMITED PARTNERSHIP
C/O DOMINICK R. ALESSO
2100 88TH STREET
NORTH BERGEN,
NEW JERSEY 07047

DEVELOPER
A.P.A.
TRANSPORT CORP.
2100 88TH STREET
NORTH BERGEN, N.J. 07047
(201) 869-6600 (212) 564-3130
TELEX: 21940 AFAUR

SCALE AS SHOWN
SHEET 3 OF 7
AS-BUILT SDP-87-73

PINE AVENUE

OWNER'S/DEVELOPER'S CERTIFICATION

"I/we 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. I also authorize periodic on-site inspections by the Howard Soil Conservation District."

Signature Robert Spain Date 2/10/88
 Name MR. ROBERT SPAIN Title SUPERINTENDENT Phone No. (201) 541-3130
 Firm APA TRANSPORT CORP. SHIP Complete Address 2100 88th ST., N. BERGEN, N.J.

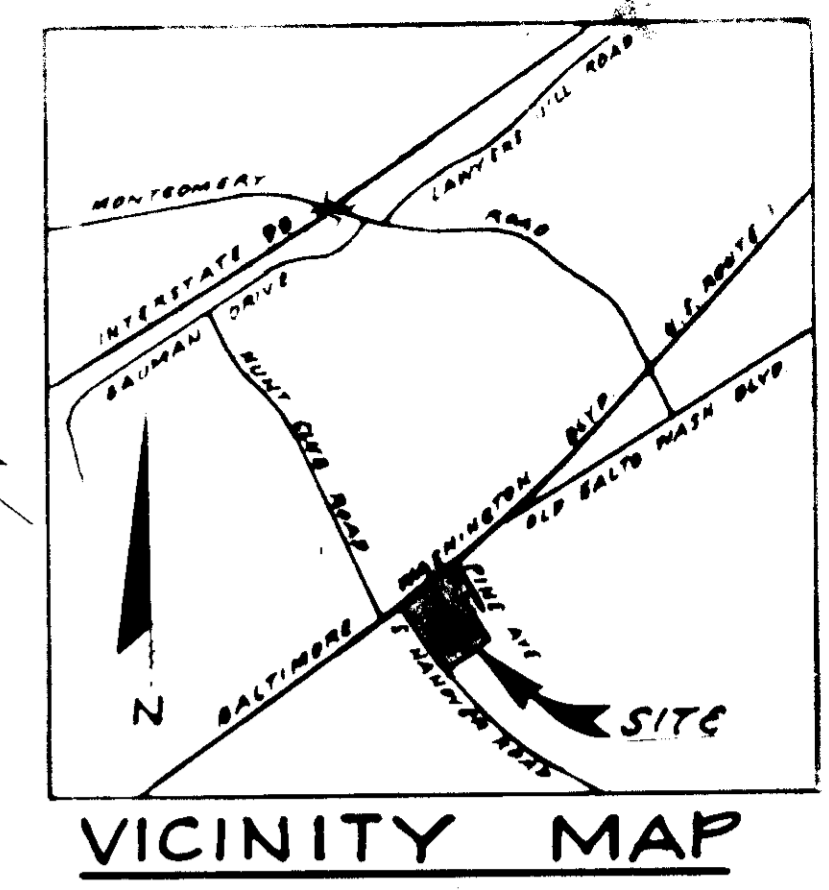
ENGINEERS CERTIFICATE

"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."

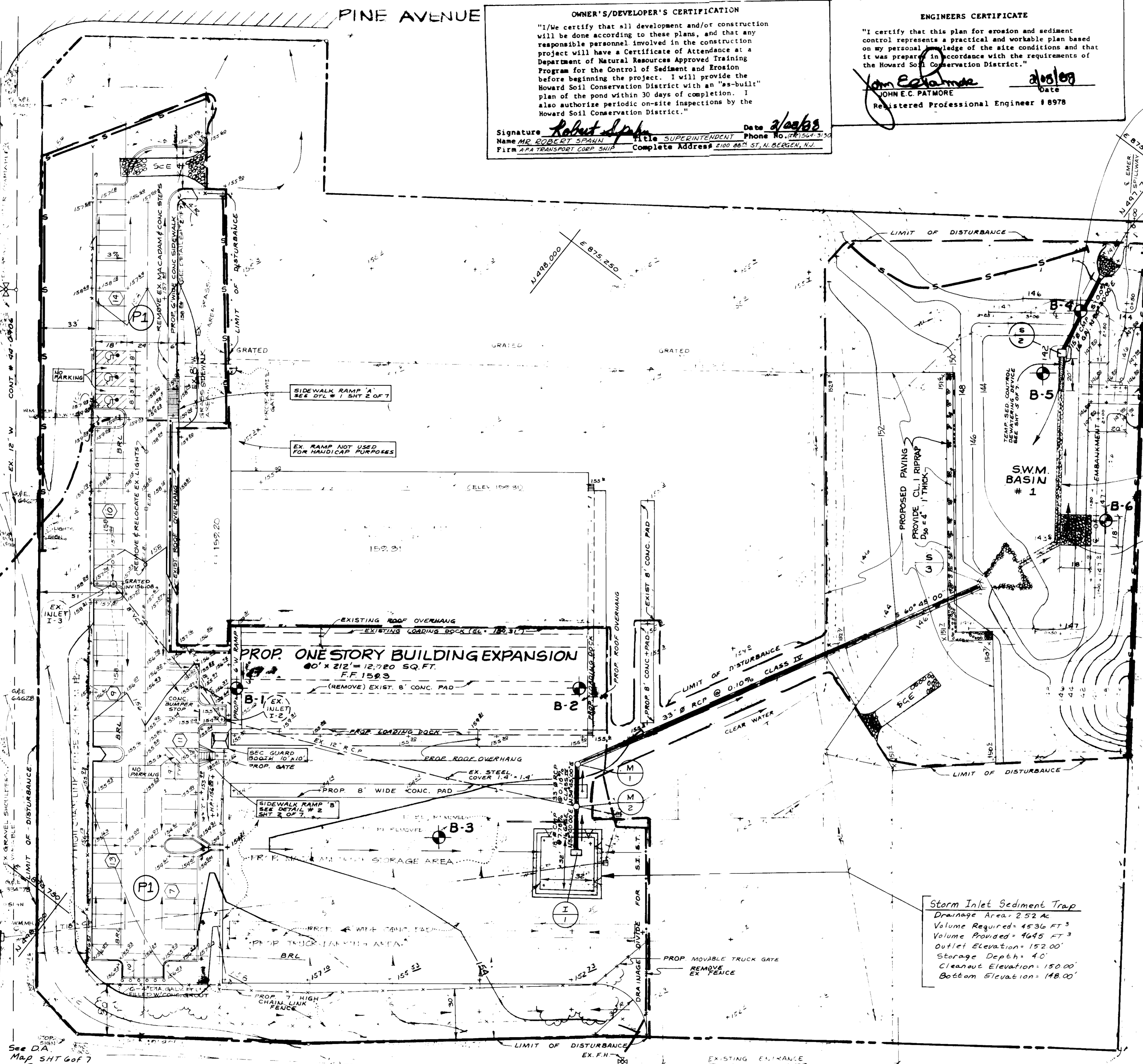
John E. Patmore Date 2/10/88
 JOHN E. PATMORE
 Registered Professional Engineer # 8978

SEDIMENT BASIN NO 1 :

DRAINAGE AREA = 3.63 AC.
 VOLUME REQUIRED = 6,561 FT³
 VOLUME PROVIDED @
 EL 144.75 = 12,500 FT³
 OUTLET EL = 144.75
 WEIR EL = 144.15
 STORAGE DEPTH = 2.75'
 CLEANOUT EL = 143.10
 BOTTOM EL = 142.00



U.S. ROUTE NO 1
 BALTIMORE WASHINGTON BLVD.



SEWER SPILLWAY TO WIDE BOTTOM EL. 146.20

LOW FLOW CHANNEL @ 1.0% SEE DETAIL SHEET 2 OF 7

ADDITIONAL RIPRAP PROTECTION 1'-0" THICK OF 6" STONE OVER EROSION CONTROL CLOTH

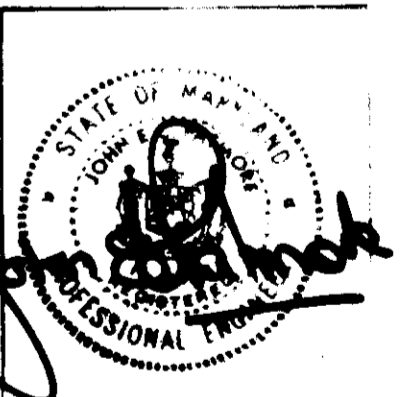
APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 2-11-87

- Sequence of Construction**
- Phase 1**
 - Obtain a grading permit.....Week 1
 - Install stabilized construction entrances.....Week 1
 - Clear & grub for installation of Sediment Basin #1.....Week 2
 - Install silt fence around Sediment Basin Area.....Week 2
 - Construct Sediment Basin #1 by doing the following:
 - Excavate & place core trench.....Week 2
 - Construct S-1 to S-2.....Week 2
 - Construct 8" diameter sediment dewatering device.....Week 2
 - Construct embankment to elevation 147.00'.....Week 3
 - Install remaining silt fence.....Week 3
 - Temporarily stabilize site.....Week 4
 - Phase 2**
 - Clear & grub for installation of I-1 & Storm Inlet Sediment Trap only.....Week 4
 - Construct storm drain starting at S-3 to I-1.....Week 5
 - Temporarily block existing I-2 & I-3.....Week 5
 - Construct Storm Inlet Sediment Trap around I-1.....Week 5
 - Remove grate and permanently cover existing inlet adjacent to I-1 (see sheet 1 of 7).....Week 5
 - Clear and grub remaining areas.....Week 5
 - Grade for installation of curb & gutter, paving, and building. Remove existing 8" concrete pad and existing concrete wall as shown on plan.....Week 7
 - Construct building, curb & gutter & paving.....Week 8-19
 - Phase 3**
 - Final grading and stabilization of all disturbed areas other than Sediment Basin.....Week 17
 - With approval of onsite inspector convert Sediment Basin #1 by doing the following:
 - Remove sediment to bottom design elevation.....Week 17
 - Remove 8" perforated pipe construct trash protection & orifice over 8" hole in S-2.....Week 17
 - Construct low flow channel from S-2 to S-3.....Week 17
 - Grade for final elevations.....Week 17
 - Permanently stabilize.....Week 17
 - With approval of onsite inspector remove sediment control devices and permanently stabilize.....Week 19

Storm Inlet Sediment Trap

Drainage Area: 2.52 Ac
 Volume Required: 4536 FT³
 Volume Provided: 4645 FT³
 Outlet Elevation: 152.00'
 Storage Depth: 4.0'
 Cleanout Elevation: 150.00'
 Bottom Elevation: 148.00'

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
John H. Taylor 3-1-88
 HEALTH OFFICER DATE



PLAN
 SCALE: 1" = 30'

ADDRESS CHART
 LOT NUMBER: PARCEL "A"
 STREET ADDRESS: U.S. ROUTE NO 1

PLAT NO.	BLK.	LINE	TAX MAP	EL. TYPED
	NE	M-1	28	1
WATER TYPE:	N/A		SEWER TYPE:	N/A

OWNER: IMPER REALTY
 A P-A PARTNERSHIP
 C/O DOMINICK R. ALESSO
 2100 88th STREET
 NORTH BERGEN,
 NEW JERSEY 07047

DEVELOPER
 A.P.A.
 TRANSPORT CORP.
 2100 88th ST. NORTH BERGEN
 NEW JERSEY 07047 (201) 869-6600
 (201) 869-3130 TELEX 21410 APA UR

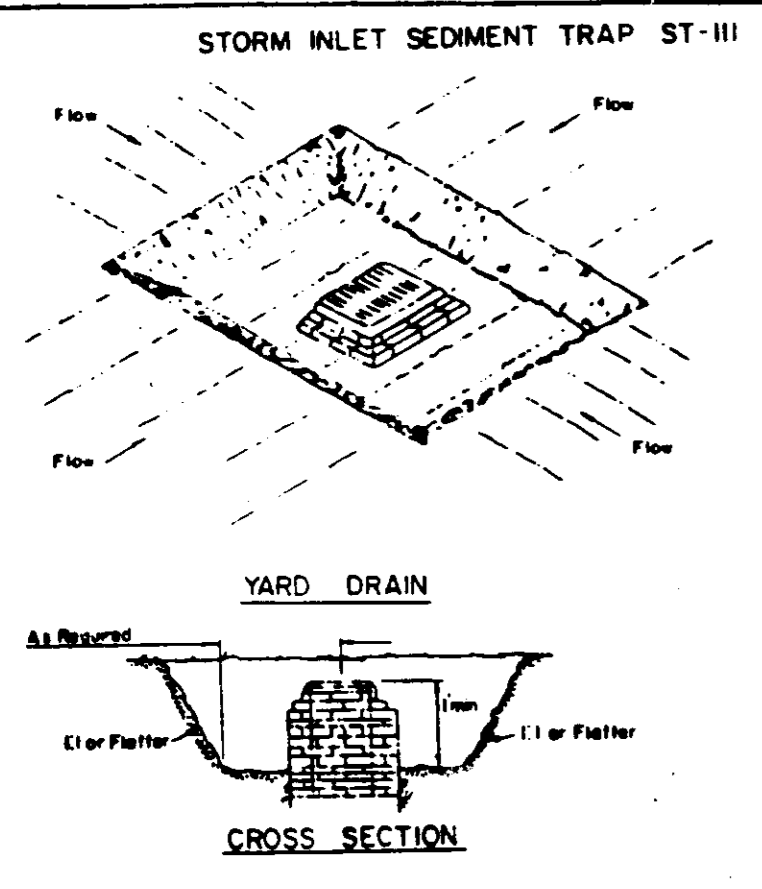
KIDDE CONSULTANTS, INC.
 ENGINEERS, LAND PLANNERS & SURVEYORS

M.S.S.
 M.W.G.
 D.C.W.
 DATE 9/86 BY NO

SEDIMENT CONTROL PLAN
 A.P.A. TRANSPORT CORP.

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
John H. Taylor 3-1-88
 DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
James M. Lewis 2/10/88
 DIRECTOR DATE

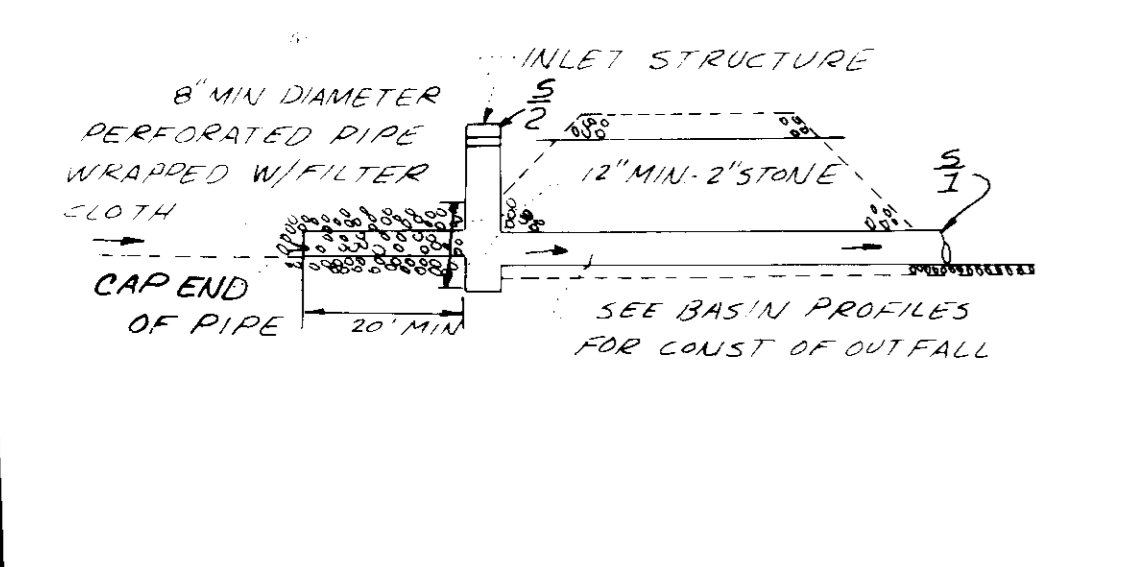


CONSTRUCTION SPECIFICATION FOR ST-III

- Sediment shall be removed and the trap restored to its original dimensions when the sediment has accumulated to 1/4 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
- The volume of sediment storage shall be 1800 cubic feet per acre of contributory drainage.
- The structure shall be inspected after each rain and repairs made as needed.
- Construction operations shall be carried out in such a manner that erosion and water pollution shall be minimized.
- The sediment trap shall be removed and the area stabilized when the constructed drainage area has been properly stabilized.
- All cut slopes shall be 1:1 or flatter.

Maximum Drainage Area: 3 Acres
 U.S. DEPARTMENT OF AGRICULTURE
 SOIL CONSERVATION SERVICE
 COLLEGE PARK, MARYLAND

MODIFIED DEWATERING DEVICE-II
 NO SCALE (FOR SWM BASIN #1)



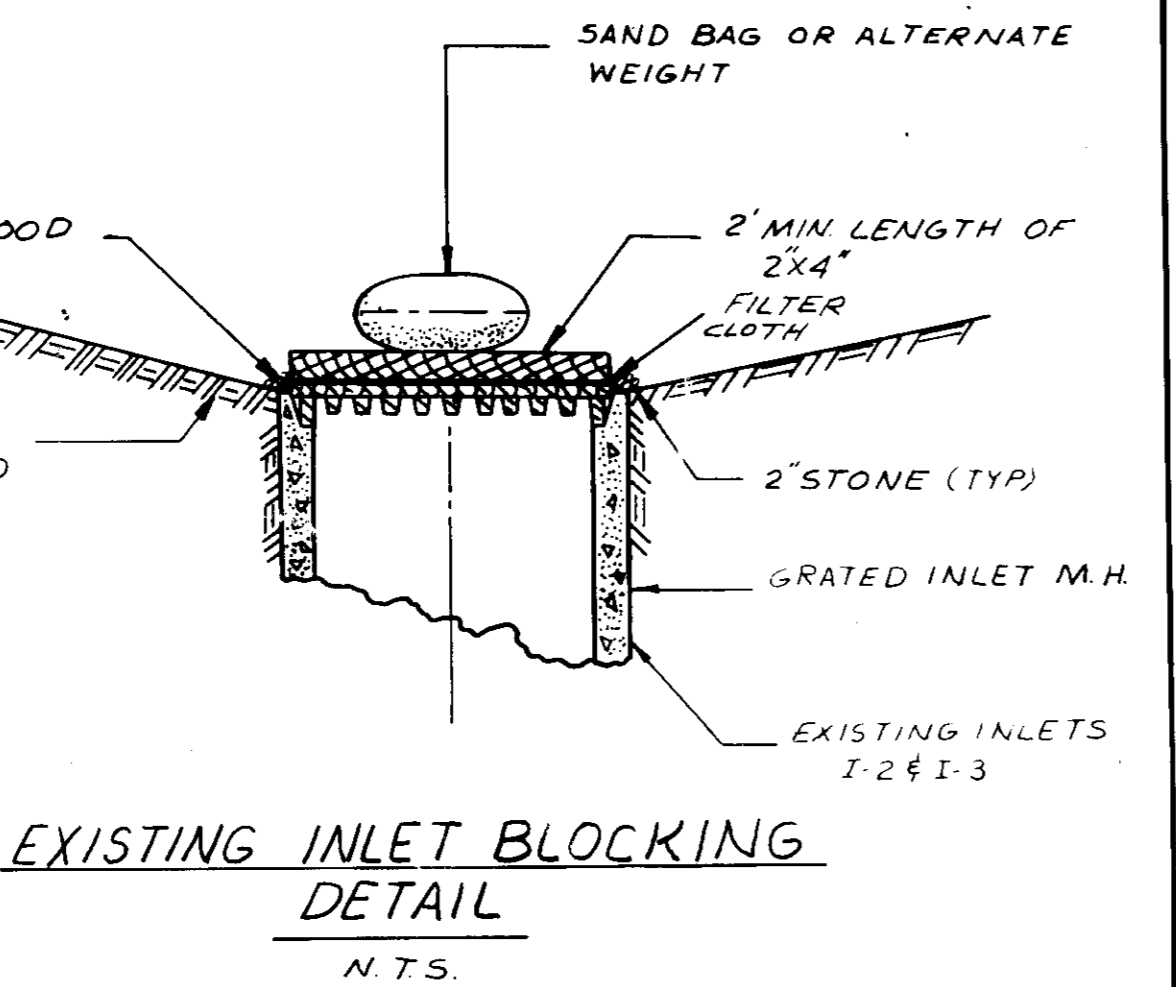
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 DIRECTOR: [Signature] DATE: 3-8-88
 APPROVED: [Signature] DATE: 3/4/88
 CHIEF BUREAU OF ENGINEERING DATE: 2-18-88

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: [Signature] DATE: 2/19/88
 CHIEF BUREAU OF ENGINEERING DATE: 2-18-88

REVIEWED FOR HOWARD SOIL CONSERVATION
 DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
 SIGNATURE: [Signature] DATE: 2-18-88

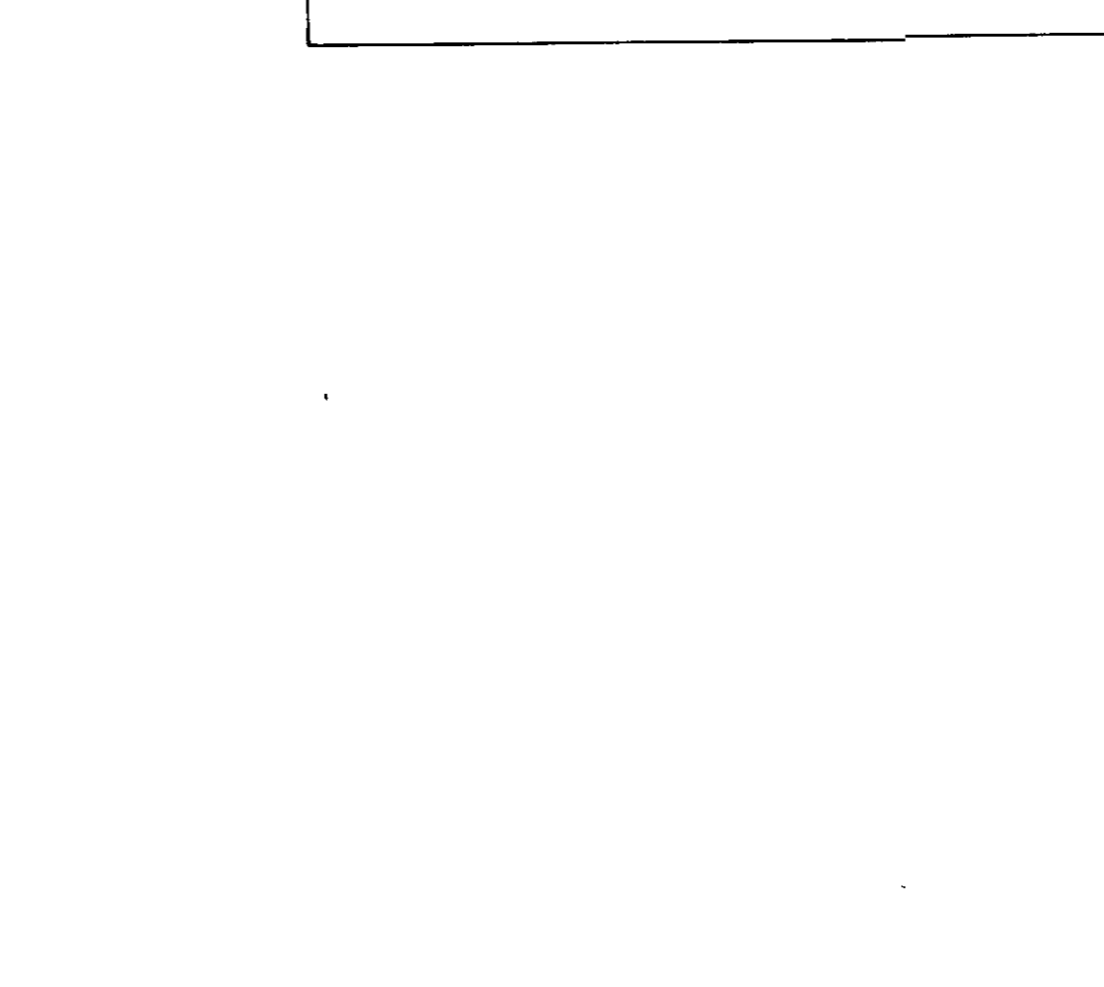
U.S. SOIL CONSERVATION SERVICE
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL
 EROSION AND SEDIMENT CONTROL BY THE HOWARD
 SOIL CONSERVATION DISTRICT.
 Approved Howard S.C.D. DATE: 2-10-88

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 HEALTH OFFICER: [Signature] DATE: 1-88

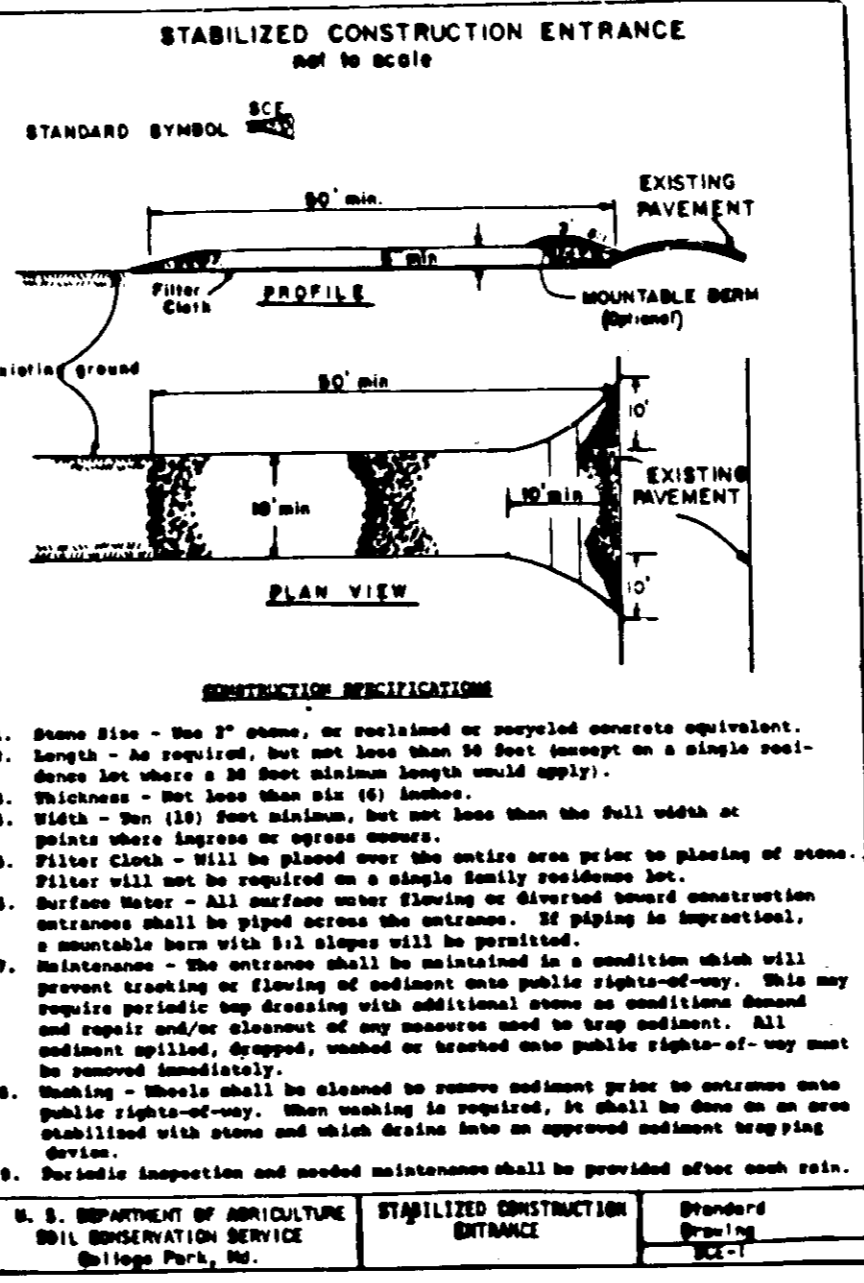


OWNER'S/DEVELOPER'S CERTIFICATION
 "I/We certify that all development and construction
 will be done according to this plan, and that any
 responsible personnel involved in the construction
 project will have a Certificate of Attendance at a
 Department of Natural Resources Approved Training
 Program for the Control of Sediment and Erosion
 before beginning the project. I also authorize
 periodic on-site inspection by the Howard Soil
 Conservation District."
 Signature: Robert Spahn Date: 2/03/88
 Name: MR. ROBERT SPANH Title: SUPERINTENDENT Phone No: (212) 564-3130
 Firm: A-P-A TRANSPORT CORP. Complete Address: 2100 88th ST, N. BERGEN, N.J.

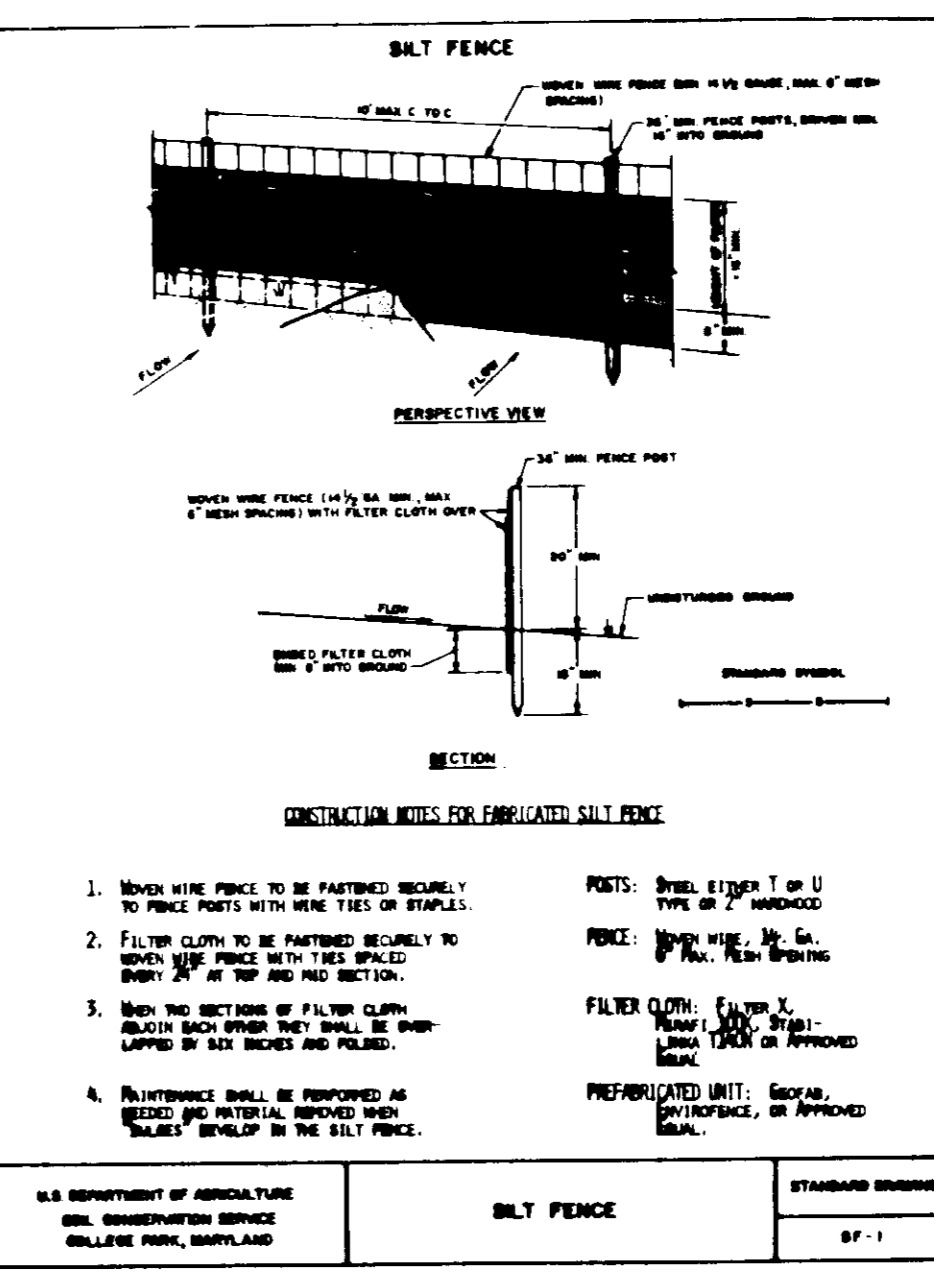
DEVELOPER:
 APA Transport Corp.
 2100 88th St.
 North Bergen, N.J. 07047
 (201) 869-6600
 c/o Mr. Robert Spahn



ENGINEERS CERTIFICATE
 "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."
 Signature: John E. Patmore Date: 2-03-88
 Registered Professional Engineer # 8978



CONSTRUCTION SPECIFICATIONS
 1. Stone Size - 3/4" stone, or crushed or recycled concrete equivalent.
 2. Length - As required, but not less than 10 feet except on a single rest.
 3. Width - Not less than 10 feet minimum length (width).
 4. Thickness - Not less than 6" (6) inches.
 5. Surface Water - All surface water flowing or directed toward construction entrance shall be stopped across the entrance. If piping is installed, a suitable berm with 1:1 slopes will be provided.
 6. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence.
 7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public right-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or placement of any materials used to be sediment. All sediment spilled, dropped, washed or tracked onto public right-of-way must be removed immediately.
 8. Warning - Signs shall be placed to remove sediment prior to entrance onto public right-of-way, then warning to be replaced. It shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
 9. Periodic inspection and needed maintenance shall be provided after each rain.
 U. S. DEPARTMENT OF AGRICULTURE
 SOIL CONSERVATION SERVICE
 College Park, Md.



CONSTRUCTION NOTES FOR FABRIC-LINED SILT FENCE
 1. Silt fence fabric shall be installed in accordance with the manufacturer's instructions.
 2. Silt fence fabric shall be installed in a trench 12 inches deep and 12 inches wide.
 3. Silt fence fabric shall be installed in a trench 12 inches deep and 12 inches wide.
 4. Silt fence fabric shall be installed in a trench 12 inches deep and 12 inches wide.
 U.S. DEPARTMENT OF AGRICULTURE
 SOIL CONSERVATION SERVICE
 College Park, Maryland

SEDIMENT CONTROL DETAIL SHEET
 A-P-A TRANSPORT CORP.
 OF
 EVELYN SILVER
 PROPERTY
 PARCEL "A"
 1st Election District
 Howard County, Maryland

APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE: 2-11-88

PERMANENT SEEDING NOTE
 Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.
 Seeding Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.
 Soil Amendments: In lieu of soil test recommendations, use one of the following schedules:
 1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 600 lbs per acre 10-0-10 fertilizer (14 lbs/1000 sq ft) before seeding.
 2) Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 1000 lbs per acre 10-0-10 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 40 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 (.05 lbs/1000 sq ft) of weeping 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) Use sod. 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 (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq ft) for anchoring.
 Maintenance - Inspect all seeded areas and make needed repairs, replacements and reseedings.

TEMPORARY SEEDING NOTE
 Apply to graded or cleared areas likely to be redistributed where a short-term vegetative cover is needed.
 Seeding Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding.
 Soil Amendments: Apply 600 lbs per acre 10-0-10 fertilizer (14 lbs/1000 sq ft).
 Seeding - For the periods March 1 thru April 30 and from August 15 thru November 15, seed with 25 bushel per acre of annual ryegrass (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 1 lb per acre of weeping lovegrass (.07 lbs/1000 sq ft). For the period November 15 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 sod.
 Mulching: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gal per acre (8 gal/1000 sq ft) for anchoring. Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.
 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 FOR ST-VI

- The area under embankment shall be cleared, grubbed and stripped of any vegetation and top mat. The pool area shall be cleared.
- The fill material for the embankment shall be free of roots or other woody vegetation as well as over-sized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed. Maximum height of embankment shall be five (5) feet, measured at centerline of embankment.
- All fill slopes shall be 2:1 or flatter; cut slopes 1:1 or flatter.
- Elevation of the top of any dike directing water into trap must equal or exceed the height of embankment.
- Storage area provided shall be figured by computing the volume available below the outlet channel up to an elevation of one (1) foot below the level weir crest.
- Filter cloth shall be placed on the bottom and sides of the outlet channel prior to placement of stone. Sections of fabric must overlap at least one (1) foot with section nearest the entrance placed on top. Fabric shall be embedded at least six (6) inches into existing ground at entrance of outlet channel.
- Stone used in the outlet channel shall be four (4) to eight (8) inches (riprap). To provide a filtering effect, a layer of filter cloth shall be embedded one (1) foot back into the upstream face of the outlet stone or a one (1) foot thick layer of two (2) inch or finer aggregate shall be placed below the upstream face of the outlet.
- Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
- The structure shall be inspected after each rain and repaired as needed.
- Construction operations shall be carried out in such a manner that erosion and water pollution are minimized.
- The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.
- Drainage area for this practice is limited to 15 acres or less.

Riprap Outlet Sediment Trap
 ST-VI (for Stone Lined Channel)

Contributing Drainage Area (Acres)	Depth of Channel (Feet)	Length of Weir (ft)
1	1.5	4.0
2	1.5	5.0
3	1.5	6.0
4	1.5	10.0
5	1.5	12.0
6	1.5	14.0
7	1.5	16.0
8	2.0	10.0
9	2.0	12.0
10	2.0	14.0
11	2.0	16.0
12	2.0	14.0
13	2.0	16.0
14	2.0	16.0
15	2.0	18.0

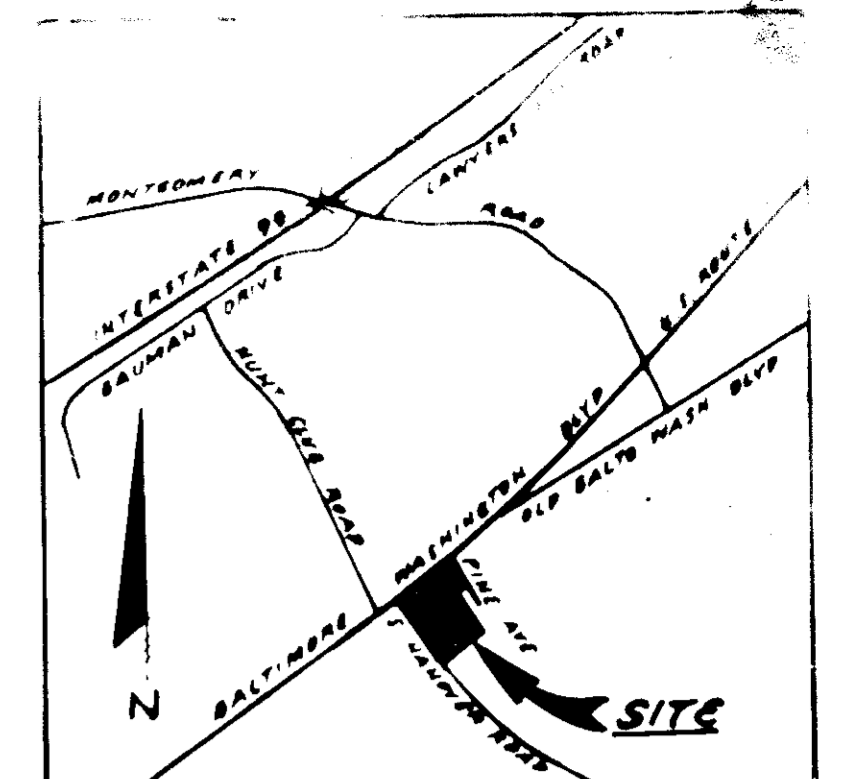
ENGINEERS • PLANNERS • SURVEYORS
 100 WEST STREET SUITE 100 LAUREL, MD 20782
 (Wash.) (301) 953-1821 792 NORTH BAY
 JOHN E.C. PATMORE M.D. PE. NO. 8978
 DATE SEPT. 1986 SCALE AS SHOWN

Drainage Area Notes

1. The hydrograph used in routing the S.W.M. Basin is based upon an ultimate D.A. to the basin of 3.83 Ac., RCN=90, Tc=0.21hrs.
2. The ultimate D.A. is not reflected in the grading of this submission.
3. The D.A. for the ultimate uncontrolled runoff is decreased to 1.40 Ac., RCN=87.
4. Total drainage area = 8.60 Ac.

LEGEND

DA = Drainage Area
 --- Existing D.A.
 - - - Future D.A.
 = Ultimate D.A.



VICINITY MAP

SWM LEGEND

EXISTING	FUTURE
1	1
2	2
3	3
4	4

1	N/A	1	TO SWM BASIN #1 D.A. = 3.52 AC. * RCN = 89 Tc = 0.21 hr.
2	STUDY POINT #1 D.A. = 5.60 AC. RCN = 88 Tc = 0.12 hr.	2	STUDY POINT #1 D.A. = 2.65 AC. RCN = 97 Tc = 0.10 hr.
3	STUDY POINT #2 D.A. = 0.27 AC. RCN = 89 Tc = 0.10 hr.	3	STUDY POINT #2 D.A. = 0.72 AC. RCN = 89 Tc = 0.10 hr.
4	UNCONTROLLED RUN-OFF D.A. = 2.73 AC. RCN = 81 Tc = 0.14 hr.	4	UNCONTROLLED RUN-OFF D.A. = 1.71 AC. ** RCN = 85 Tc = 0.10 hr.

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

James Byler 3-1-88
 CHIEF HEALTH OFFICER DATE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Robert Ziehm 2-12-88
 SIGNATURE DATE

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

Robert Ziehm 2-10-88
 Approved Howard S.C.D. DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
John A. Smith 3-2-88
 DIRECTOR DATE

James H. Smith 3/4/88
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

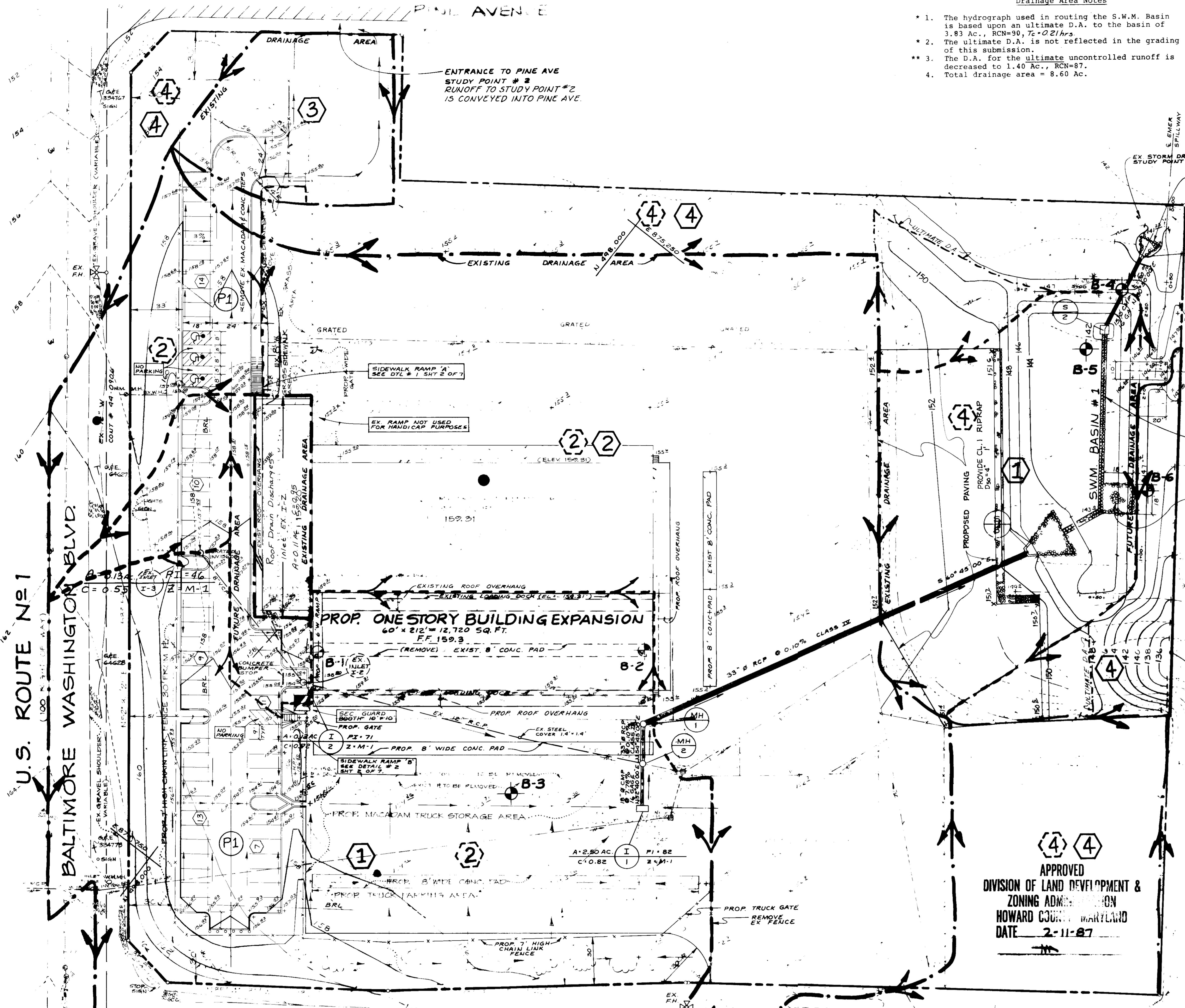
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

James H. Smith 2/11/87
 DIRECTOR DATE

Michael J. Reddy 2-13-88
 CHIEF BUREAU OF ENGINEERING DATE

KIDDE CONSULTANTS INC.
 ENGINEERS • PLANNERS • SURVEYORS
 1100 WEST ST./SUITE 100/LAUREL, MD 20110
 (WASH.) (301) 953-1821 BALTI. 172-8086

John E.C. Palmore MD PER #178 DATE 9/11/86
 DATE 9/11/86 SCALE AS SHOWN



STUDY POINT #3
 D.A. = 0.23 AC.
 Tc = 17.5 min.
 C = 0.24
 Q10 = 0.25 cfs.

PLAN
 SCALE 1" = 30'

APPROVED
 DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 2-11-87

DRAINAGE AREA MAP

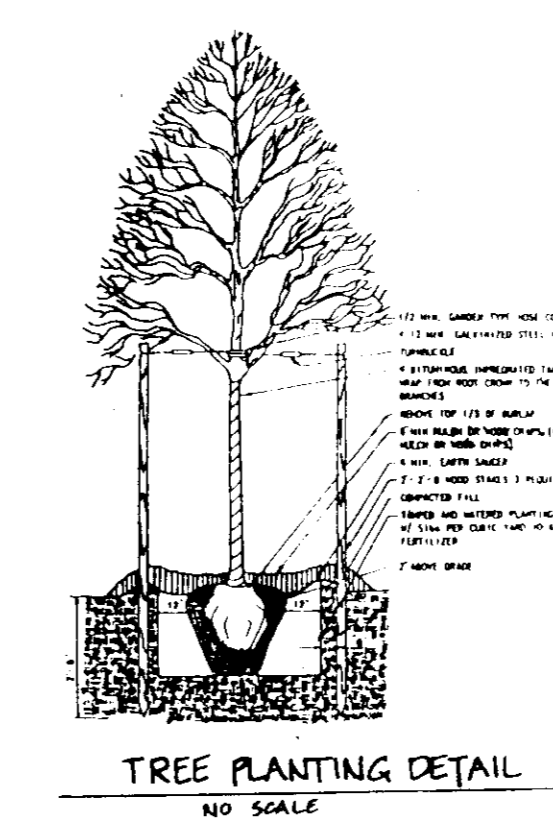
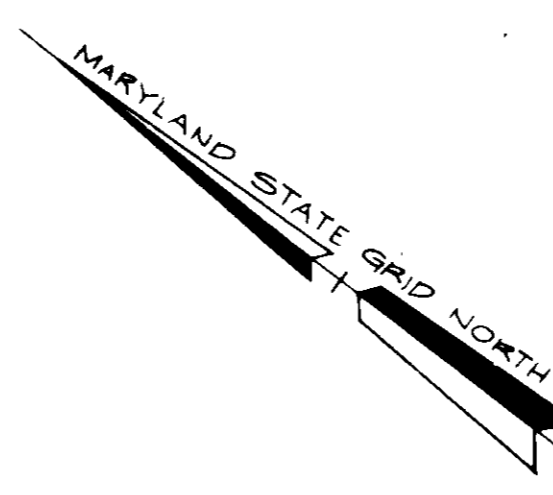
A.P.A. TRANSPORT CORP.

OWNER: IMPER REALTY
 NEW JERSEY CLM PARTNERSHIP
 C/O DOMINICK R. ALESSO
 2100 88th STREET
 NORTH BERGEN,
 NEW JERSEY 07047

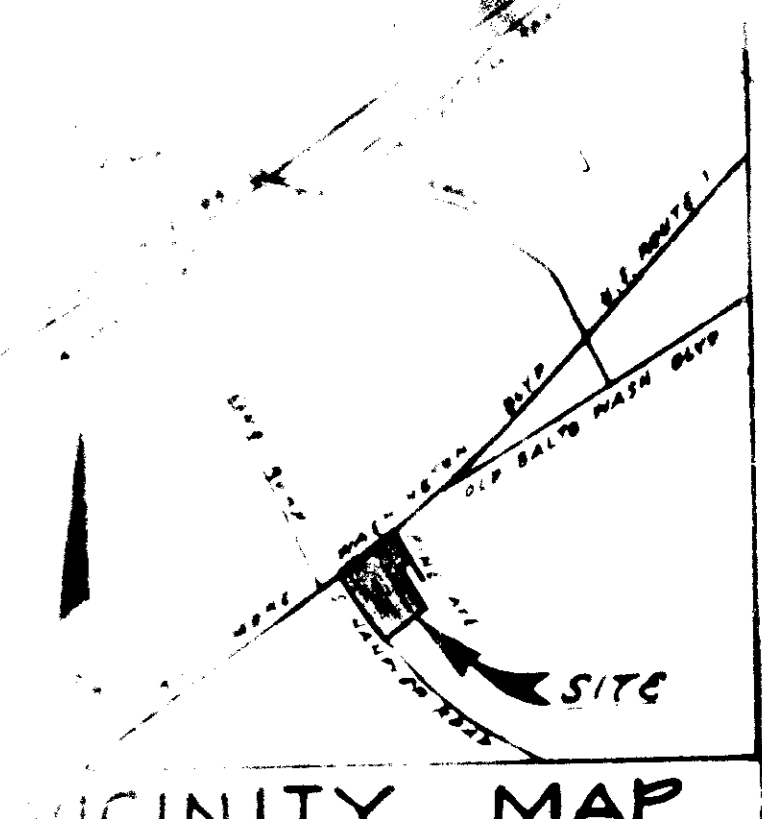
DEVELOPER
A.P.A.
 TRANSPORT CORP
 2100 88th ST. NORTH BERGEN,
 NEW JERSEY 07047 (201) 869-6600
 (212) 564-3130 TELEX 219410 APA UR

SDP-87-73

APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY
DATE 2-11-87



- NOTES
1. ALL UNDESIGNED AREAS TO RECEIVE A 15% MIN. INCH LAYER OF COMPLETED TOP SOIL.
 2. ALL PLANT MATERIAL TO BE SHIPPED & PLANTED WITHIN THE 60 DAY PERIOD FROM THE DATE OF THE APPROVAL OF THIS PLAN.
 3. TREES SHALL BE PLANTED IN PITS WITHIN THE 60 DAY PERIOD FROM THE DATE OF THE APPROVAL OF THIS PLAN. THE PITS SHALL BE 18" DEEP BY 18" WIDE AND 18" DEEP BY 18" WIDE. THE PITS SHALL BE 18" DEEP BY 18" WIDE. THE PITS SHALL BE 18" DEEP BY 18" WIDE.
 4. TOPSOIL USED FOR PLANTING SHALL BE A MIXTURE OF THREE PARTS TO ONE DIRT PART.
 5. IMMEDIATELY AFTER PLANTING OPERATIONS ARE COMPLETED, ALL PITS & BUMPERS SHALL BE PATCHED WITH A 1/2" LAYER OF TOP SOIL TO THE LIMIT OF THIS PATCH FOR THE PITS SHALL BE MADE OF THE PITS & BUMPERS. IN MOST CASES, THE PATCHES SHALL BE 18" WIDE BY 18" DEEP.
 6. ALL TREES SHALL BE STORED IN ACCORDANCE TO ACCEPTED NURSERY STANDARDS.



PLANT LIST

KEY	QTY	BOTANICAL/COMMON NAME
As	10	ACER SACCHARUM / SUGAR MAPLE
Qa	7	QUERCUS ALBA / WHITE OAK
Pb	23	PINUS STROBUS / WHITE PINE

REMARKS: ALL ARE 2 1/2" MIN CAL. & IN B&B

SOILS MAP LEGEND

MAP SYMBOL	NAME & SLOPES	GROUP TYPE
BeB2:	BELTSVILLE SILT LOAM, 1 to 5% SLOPES, MODERATELY ERODED.	C
BeD2:	BELTSVILLE SILT LOAM, 10 to 15% SLOPES, MODERATELY ERODED.	C
IuB:	IUKA LOAM, LOCAL ALLUVIUM, 1 to 5% SLOPES.	C

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Signature: *[Signature]* DATE: 2-10-87

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

Signature: *[Signature]* DATE: 2-10-87
Approved Howard S.C.D.

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

Signature: *[Signature]* DATE: 3-8-88
DIRECTOR

Signature: *[Signature]* DATE: 3/4/88
CHIEF OFFICE OF COMMUNITY PLANNING AND LAND DEVELOPMENT

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

Signature: *[Signature]* DATE: 2/1/88
DIRECTOR

Signature: *[Signature]* DATE: 2-18-88
CHIEF BUREAU OF ENGINEERING

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS

Signature: *[Signature]* DATE: 3-1-88
COUNTY HEALTH OFFICER

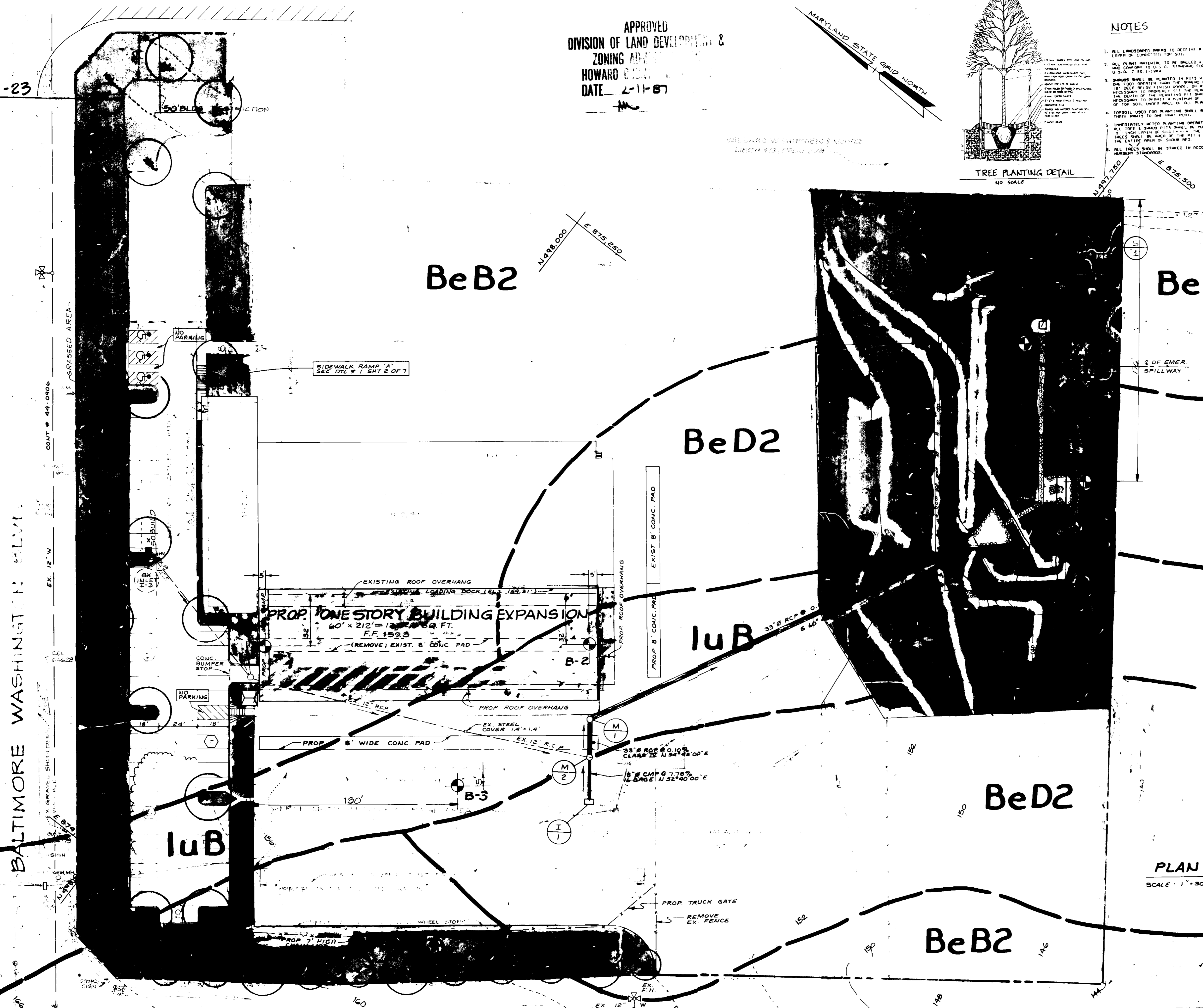
DATE	NO.	REVISIONS	BY
1/27/84		ADDED PROPOSED PAVING & ICE GRAVARD SWM BASIN #1	JSC

KIDDE CONSULTANTS, INC.
ENGINEERS • PLANNERS • SURVEYORS
1100 WEST STREET / SUITE 100 / LAUREL, MD 20707
(Wash.) (301) 953-1821 / 792-8086 (Balt.)

OWNER: IMPER REALTY PARTNERSHIP
C/O DOMINICK R. ALESSO
2100 88th STREET
NORTH BERGEN,
NEW JERSEY 07047

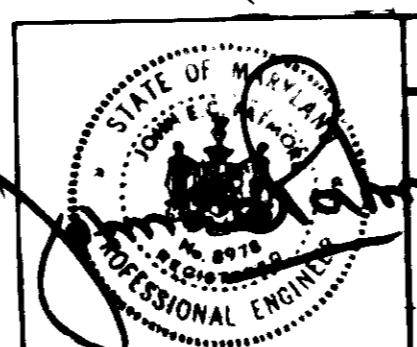
DEVELOPER
A.P.A. TRANSPORT CORP.
2100 88th ST. NORTH BERGEN
NEW JERSEY 07047 (201) 869-6600
(212) 564-3150 TEL. EX. 219410 A.P.A. NJ

SCALE AS SHOWN
SHEET 7 OF 7
SDP-87-73



U.S. ROUTE No 1
BALTIMORE WASHINGTON BLVD.

SOUTH HANOVER ROAD



LANDSCAPE PLAN SOIL MAP BORING LOCATION PLAN

SCALE: 1" = 30'

BLOCK NO. 7, 8, 13, 14

OWNER: IMPER REALTY PARTNERSHIP
C/O DOMINICK R. ALESSO
2100 88th STREET
NORTH BERGEN,
NEW JERSEY 07047

DEVELOPER
A.P.A. TRANSPORT CORP.
2100 88th ST. NORTH BERGEN
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