

Construction Specifications

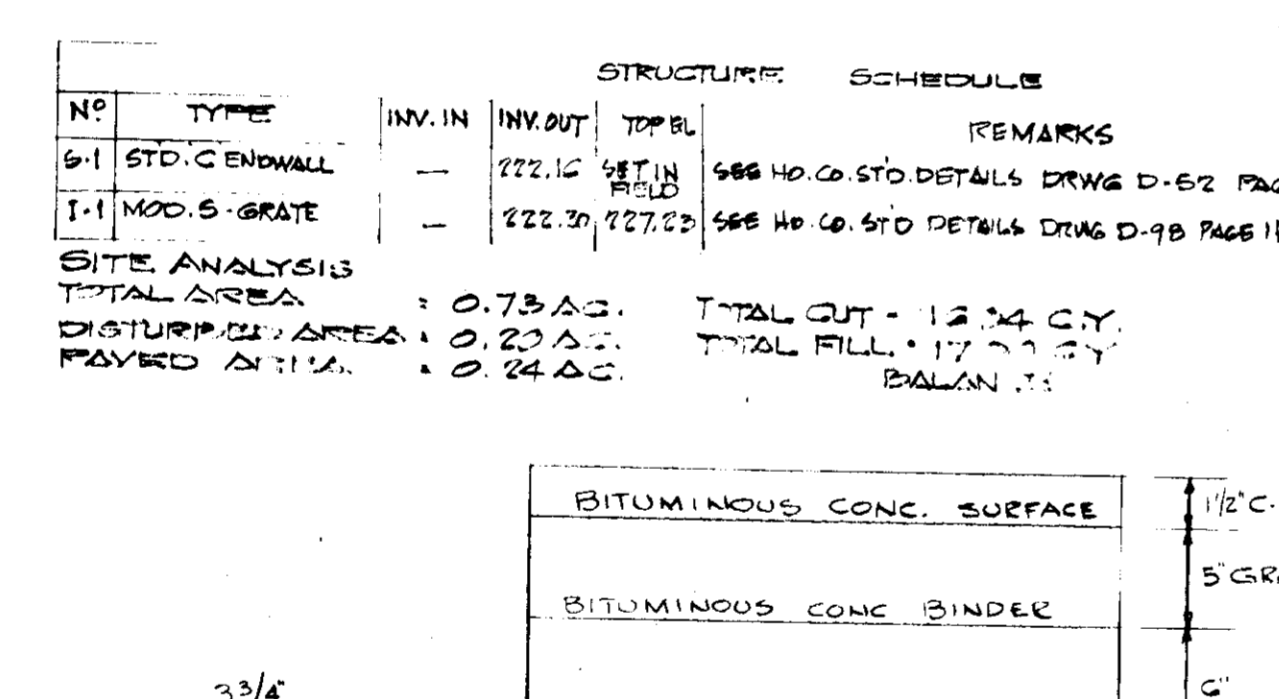
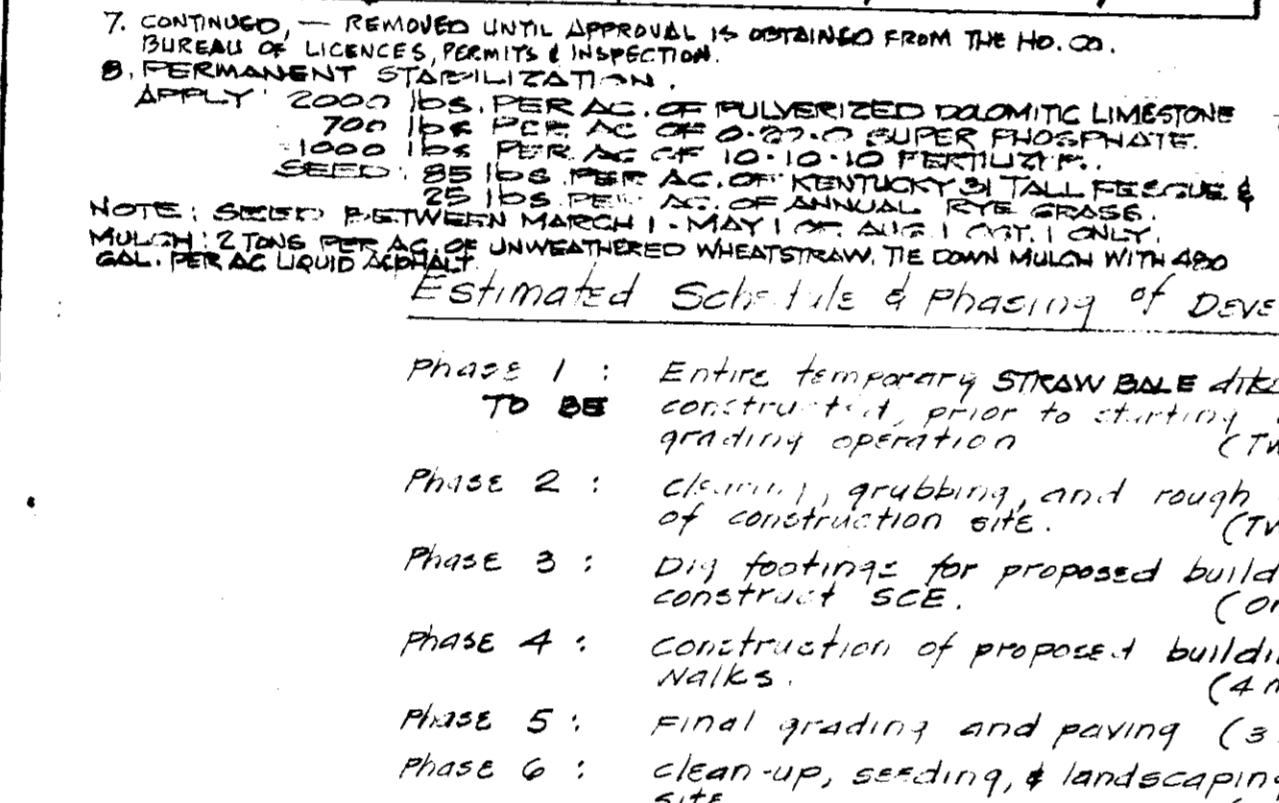
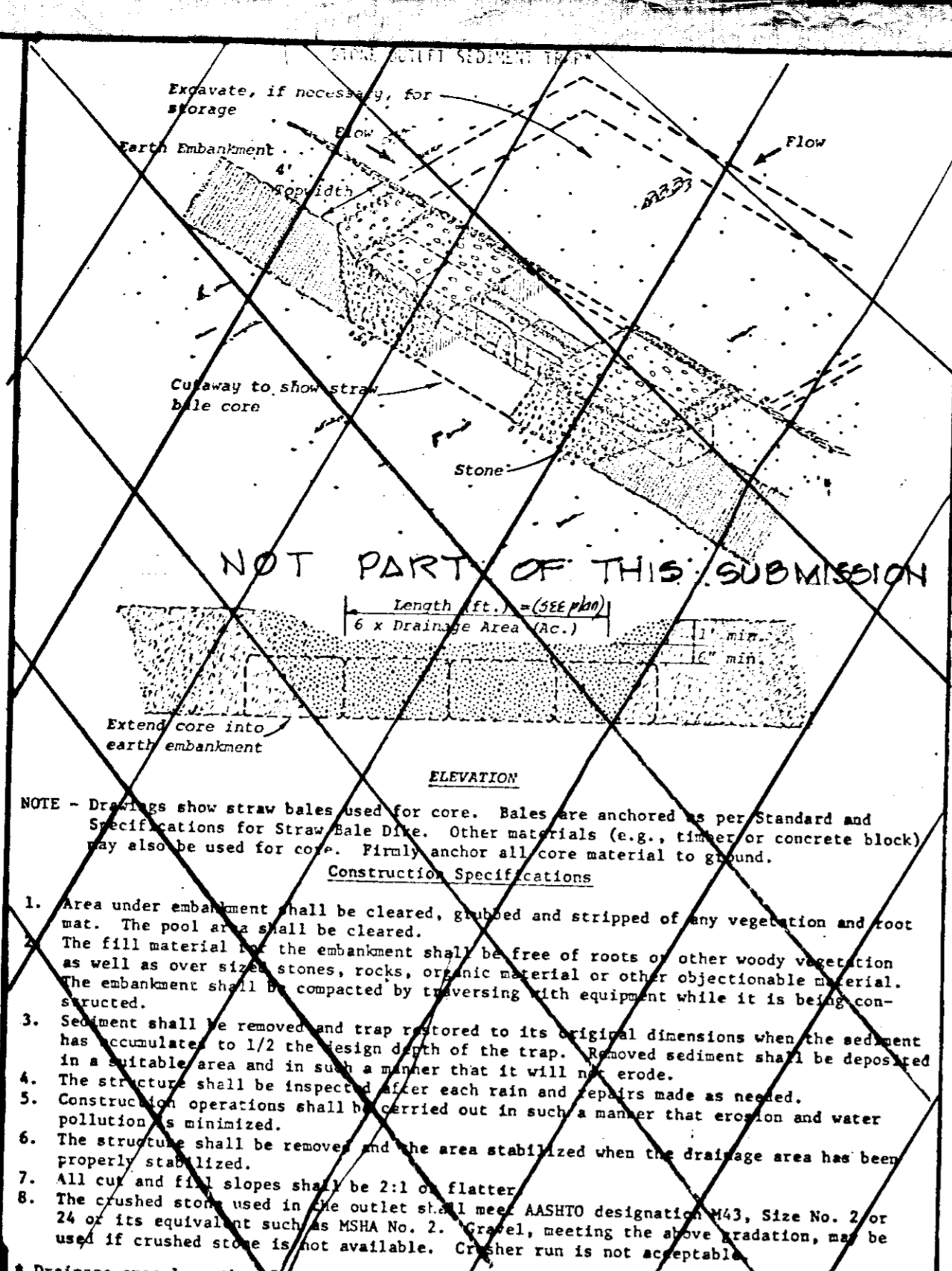
- Bales shall be placed in a row with ends tightly abutting the adjacent bales.
- Each bale shall be embedded in the soil a minimum of 4".
- Bales shall be securely anchored in place by stakes or re-bars driven through the bales. The first stake in each bale shall be angled toward previously laid bale to force bales together.
- Inspection shall be frequent and repair or replacement shall be made promptly as needed.
- Bales shall be removed when they have served their usefulness as not to block or impede storm flow or drainage.

Standard Symbol

Construction Specifications

- Stone size - Use MSHA size No. 2 (2-1/2" to 1") or AASHTO designation M43, size No. 2 (2-1/2" to 1-1/2"). Use crushed stone.
- Length - As effective, but not less than 50 feet.
- Thickness - Not less than eight (8) inches.
- Width - Not less than full width of all points of ingress or egress.
- Washing - When necessary, wheels shall be cleaned to remove sediment prior to entrance onto public right-of-way. When washing is required, it shall be done on an area stabilized with crushed stone which drains into an approved sediment trap or sediment basin. All sediment shall be prevented from entering any storm drain, ditch, or watercourse through use of sand bags, gravel, boards or other approved methods.
- Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any features used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.

APPROVED FOR PUBLIC WATER AND SEWER AND STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS. Director: J. F. Neuman, dated 6-18-79. Chief, Bureau of Engineering: W. S. Albert, dated 6-12-79.



Estimated Soil Use & Phasing of Development:

- Phase 1: Entire temporary straw bale dike & soil conservation measures to be constructed prior to starting any grading operation. (Two days - sept. 1979)
- Phase 2: Clearing, grubbing and rough grading of construction site. (Two days - sept. 1979)
- Phase 3: Dry footings for proposed building and construct SCE. (One day - sept. 1979)
- Phase 4: Construction of proposed building including walks. (2 mos. sept. 79 - Jan 80)
- Phase 5: Final grading and paving (3 to 4 - Feb. 1980)
- Phase 6: Clean-up, seeding, & landscaping of construction site. (Two days - Feb. 1980)

NO.	TYPE	INV. IN	INV. OUT	TYPE	SCHEDULE	REMARKS
1-1	STD. C. ENDWALL	-	222.15	6" x 8" NO. 50 STD DETAILS DRWG D-62 PAGE 107		
I-1	MOD. S. GRATE	-	222.30	227.25	6" x 8" NO. 50 STD DETAILS DRWG D-98 PAGE 158. SEE DETAIL THIS S.H.	

SITE ANALYSIS:
TOTAL AREA: 0.73 AC.
DISTURBED AREA: 0.23 AC.
PAVED AREA: 0.24 AC.

TOTAL CUT: 13.34 CU. Y.
TOTAL FILL: 17.71 CU. Y.

BALANCE:

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

APPROVED FOR HOWARD COUNTY OFFICE OF PLANNING AND ZONING

PROJECT ENGINEER:
LAND DEVELOPMENT CONSULTANTS
808B-B TOWN AND COUNTRY BLVD.
ELLCOTT CITY, MARYLAND 21043
TEL. 465-8518

DEVELOPERS CERTIFICATION:
"I certify that all development and/or construction will be done according to this plan of development and plan for Erosion and Sediment Control", and I also authorize periodic on-site inspection by the Howard County Department of Public Works or their authorized agents, as are deemed necessary."
Julius A. Warren, Jr. May 28, 1979
Signature of Developer DATE

DEVELOPERS CERTIFICATION:
"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 County Conservation Act."
John L. Schneider 5-30-79
Signature of Engineer DATE

APPROVED FOR PUBLIC WATER AND SEWER AND STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS. Director: J. F. Neuman, dated 6-18-79. Chief, Bureau of Engineering: W. S. Albert, dated 6-12-79.

REVIEWED FOR HOWARD COUNTY AND MEETS TECHNICAL REQUIREMENTS
C. Wayne Ray Date 6/11/79
Signature
U.S. Soil Conservation Service

AUTHOR: E. Hicks & Wife
476/584
Zoned M-1

DETAILED EROSION AND SEDIMENT CONTROL PLAN

PROPOSED 2 STORY MASONRY STORE & APT. BUILDING
5213 GW 61.5' W
N 43° 00' E 200.0'

WOODED AREA
EXISTING 1 STY STUCCO BUILDING
EXISTING FRAME DWELLING
PRIVATE DRIVE & PARKING LOT
HICKS ROAD
WASHINGTON BOULEVARD - U.S. ROUTE # 1
BALTIMORE

SITE INFORMATION:
Area of property: 31,752 S.F.
Lot # P-211, Map A3
Liber 505, Folio 415
Election District 6
Zoned M-1 (SEE BOARD OF APPEALS CASE 2005-02-10, 9-10, & 04-15)
Parking spaces required: 17
Handicapped space: 12x20 - 1
Total: 17
Total number of employees on first floor: 6
Total No. of apts. allowed & provided: 2 (2BR)
Minimum area of apt. unit: 1,005 S.F.

APPROVED DIVISION OF LAND DEVELOPMENT
DATE: 5-15-79
HOWARD COUNTY, MARYLAND

ENGINEERS CERTIFICATION:
John L. Schneider
5-30-79
Signature of Engineer DATE

GENERAL NOTES:

- PARKING SPACES FOR BUSINESSES: 1. 2010 S.F. DIVIDED BY 200 S.F. = 10 PARKING SPACES REQUIRED.
- PARKING SPACES FOR APARTMENTS: 1. 15 PARKING SPACES PER TWO BEDROOM UNIT. THREE PARKING SPACES REQUIRED.
- ALL 20' PARKING SPACES MUST BE 10' X 20' AND HAVE A 24" WIDE TRAVELWAY TO THEIR REAR.
- 24" CASE NO. 246-C
- AREA OF PARCEL 31,752 SQ. FT. OR 0.73 AC.

NOTE: INSTALLATION OF ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, 1971 EDITION.

SEDIMENT CONTROL NOTES:

- OBTAIN GRADING PERMIT.
- THE HO. CO. DEPARTMENT OF LICENSING, INSPECTIONS & PERMITS SHALL BE GIVEN 24 HRS. NOTICE PRIOR TO ANY GRADING.
- ALL SEDIMENT CONTROL MEASURES SHOWN IN THIS PLAN UNLESS OTHERWISE SPECIFIED SHALL BE INSTALLED ACCORDING TO NOTE # 8.
- ALL SLOPES MAX. 3:1.
- FOLLOWING THE CONSTRUCTION OF ALL AREAS SEDIMENT CONTROL MEASURES MAY BE REMOVED & GRATED TO THE FINAL GRADES SHOWN & STABILIZED IMMEDIATELY.
- IN THE EVENT OF EXCESS MATERIAL EXCESS MATERIAL SHALL BE STOCK PILED WITH A MIN. 3:1 SLOPE IN AN AREA CLEARED FOR THIS PURPOSE. EXCESS MATERIAL STOCK PILE IN ACCORDANCE WITH NOTE # 7.
- SEDIMENT CONTROL MEASURES SHALL NOT BE REMOVED UNTIL APPROVAL IS OBTAINED FROM THE HO. CO. BUREAU OF LICENSING, PERMITS & INSPECTIONS.
- PERMANENT STABILIZATION: APPLY 2000 LBS. PER AC. OF PULVERIZED COLOMITE LIMESTONE OR 1000 LBS. PER AC. OF 10-10-10 FERTILIZER. SEE DETAIL THIS PLAN FOR APPLICABLE STANDARDS.

NOTE: SEDIMENT CONTROL MEASURES SHALL BE REMOVED & GRATED TO THE FINAL GRADES SHOWN & STABILIZED IMMEDIATELY. IN THE EVENT OF EXCESS MATERIAL EXCESS MATERIAL SHALL BE STOCK PILED WITH A MIN. 3:1 SLOPE IN AN AREA CLEARED FOR THIS PURPOSE. EXCESS MATERIAL STOCK PILE IN ACCORDANCE WITH NOTE # 7. SEDIMENT CONTROL MEASURES SHALL NOT BE REMOVED UNTIL APPROVAL IS OBTAINED FROM THE HO. CO. BUREAU OF LICENSING, PERMITS & INSPECTIONS.

SEDIMENT CONTROL MEASURES:

- GRADING & CLEARING: ARTICLE C-1
- SUBGRADE: ARTICLE C-2
- BASE COURSE: ARTICLE C-2B
- BINDER COURSE: ARTICLE C-2B OR C-33
- SURFACE COURSE: ARTICLE C-31
- TO BE CONSTRUCTED IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE & SPECIFICATIONS.

CRUSHER RUN BASE: 5" GRAVEL MIN.

2. BASE WILL BE PRIMED IN ACCORDANCE WITH SECTION C-30.3 AS PROVIDED IN THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATIONS.

b. TAKE COAT IS REQUIRED IN ACCORDANCE WITH SECTION C-31.4 OF THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATIONS.

c. ALL MATERIAL AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE.

NOTE: BLOCK INLET I-1 WITH WOOD PLANK USE STONE TO SECURE WOOD PLANK.

PLAN SECTION TEMPORARY BLOCKING OF INLET NO. SCALE

NOTE: ON SITE EXTERIOR LIGHTING DEVICE SHOWN THIS LIGHT TO BE DIRECTED TOWARDS FRONT BUILDING.

APPROVED FOR PUBLIC WATER AND SEWER AND STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

APPROVED FOR HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

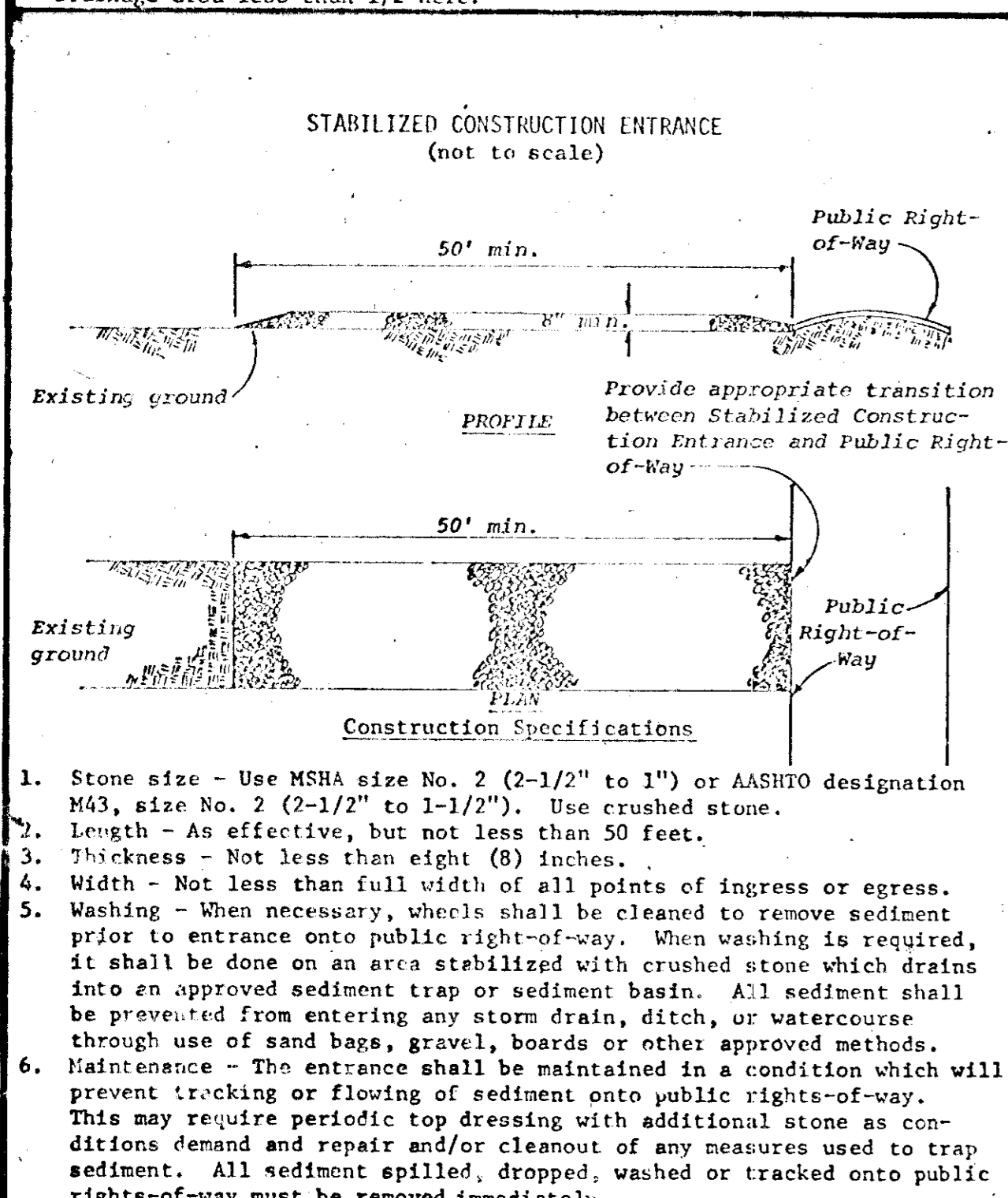
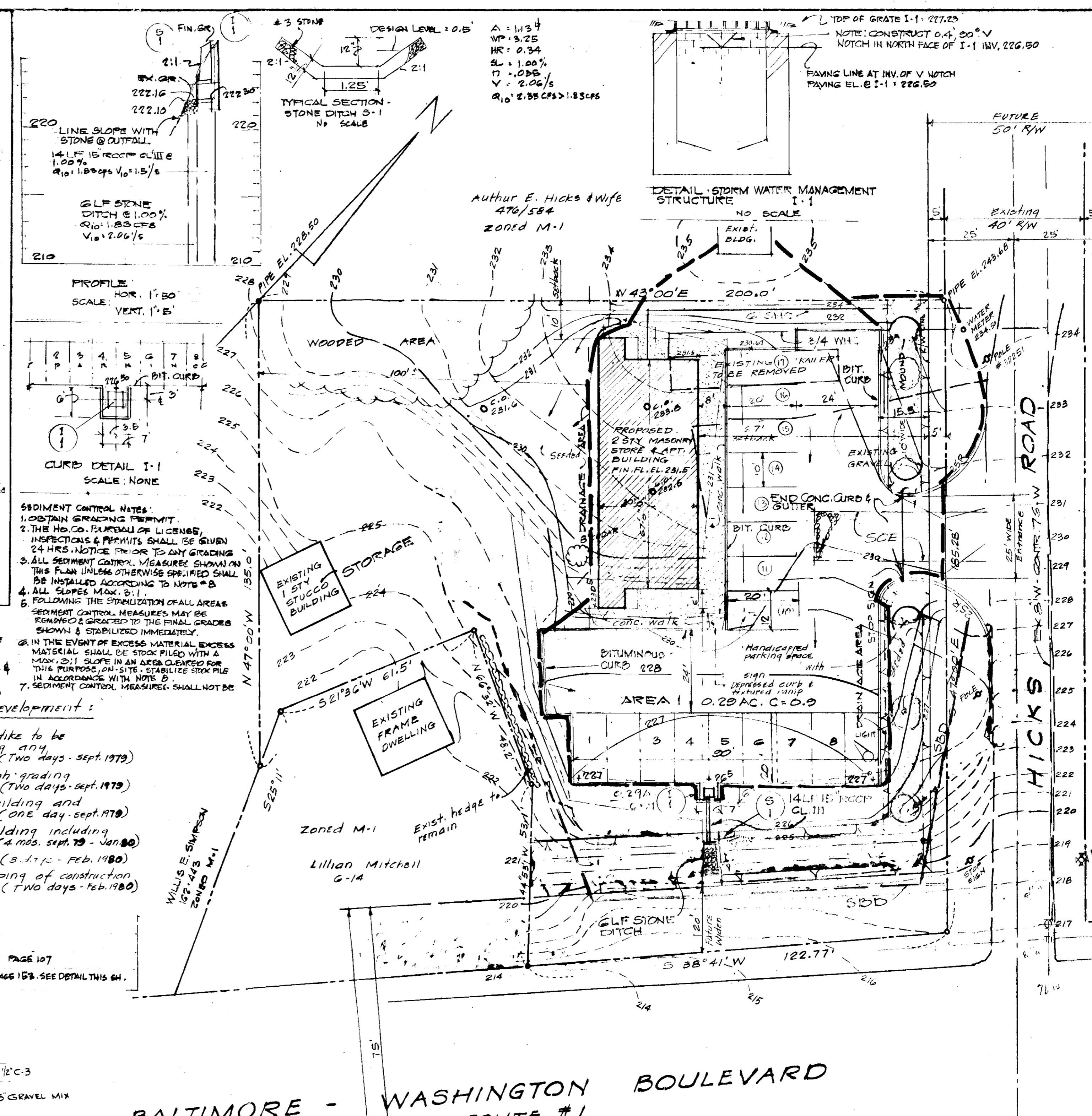
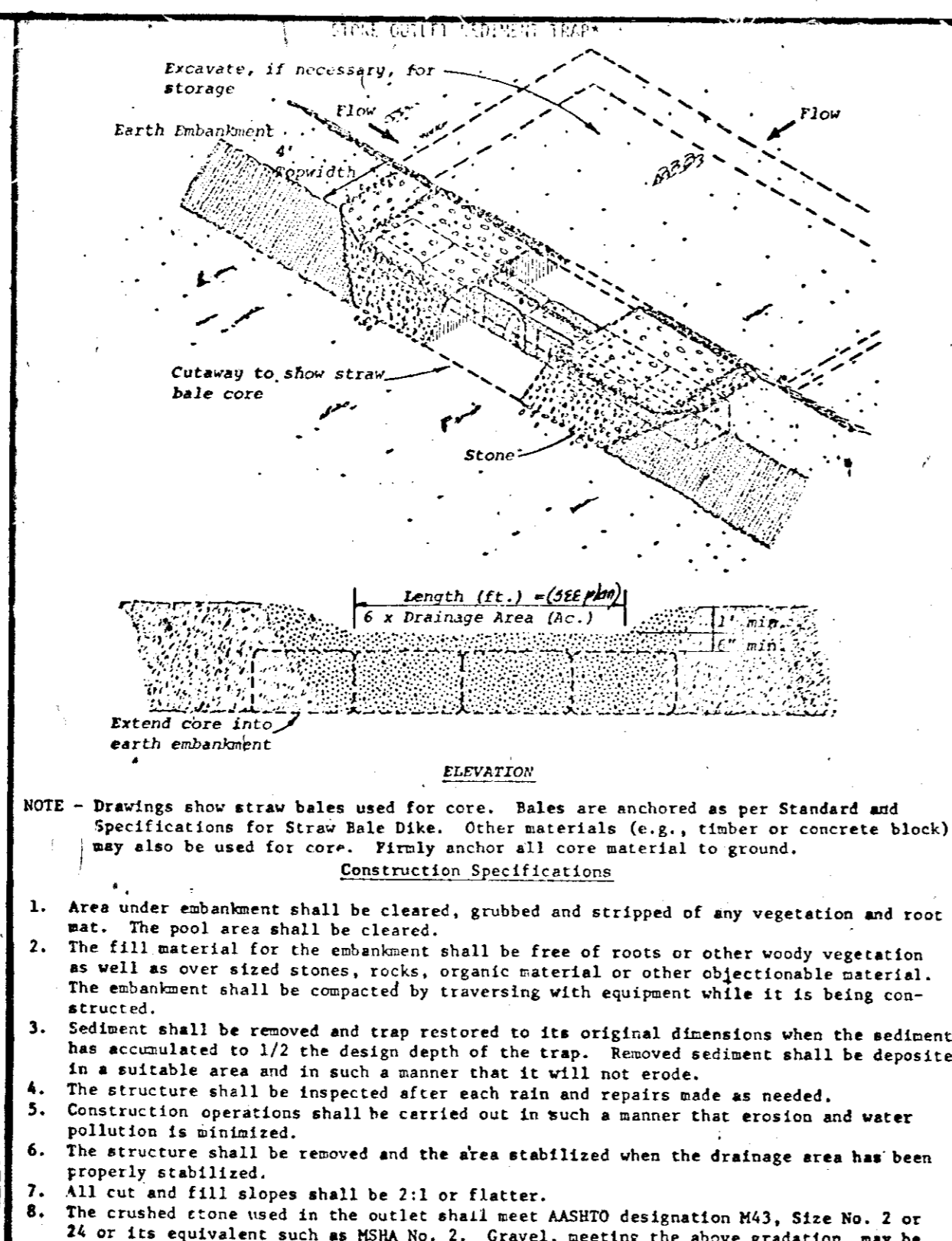
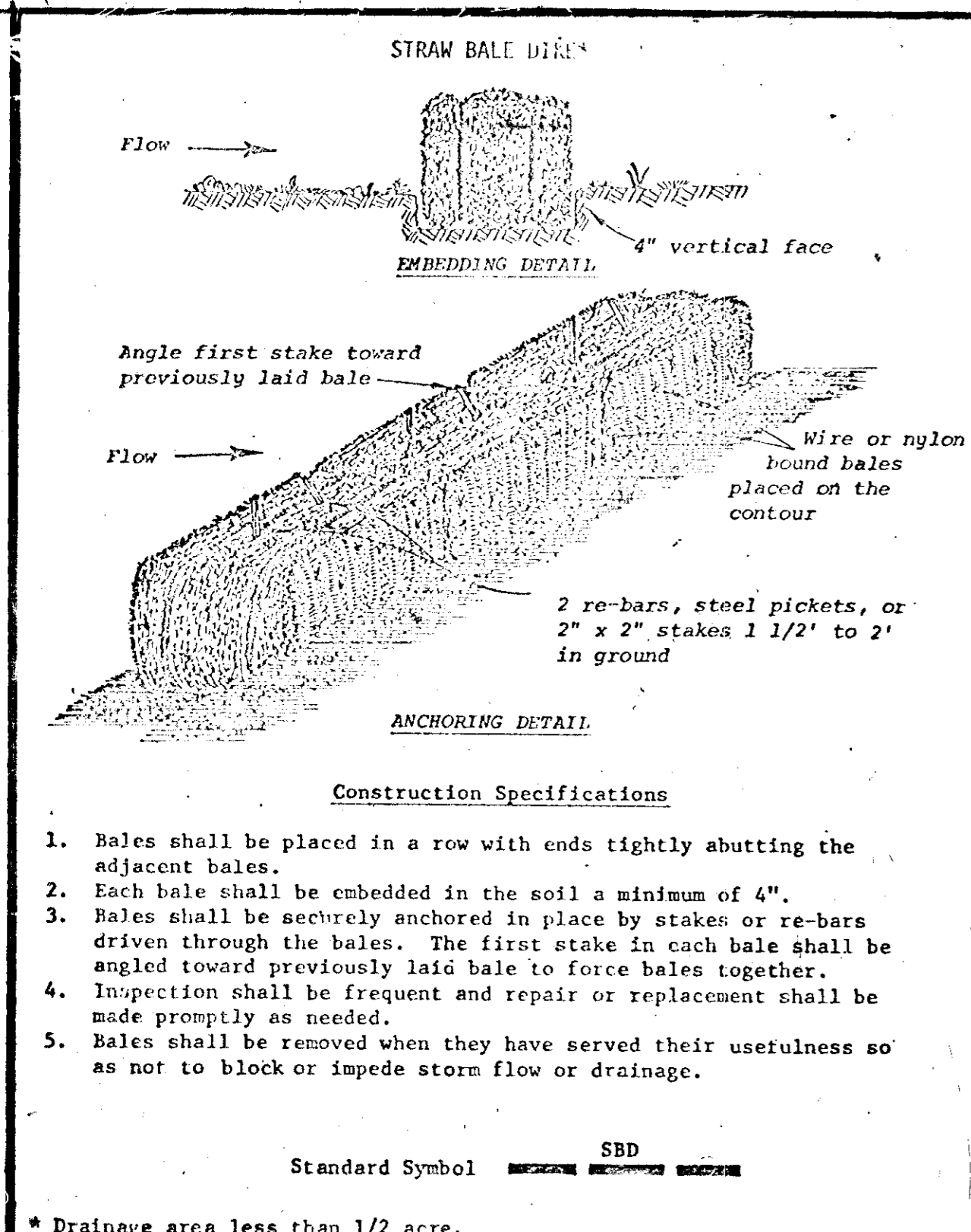
APPROVED DIVISION OF LAND DEVELOPMENT.

DEVELOPERS CERTIFICATION:
Julius A. Warren, Jr. May 28, 1979
Signature of Developer DATE

ENGINEERS CERTIFICATION:
John L. Schneider 5-30-79
Signature of Engineer DATE

PROPOSED TWO STORY STORE & APT. BUILDING
FOR MR. & MRS. JULIUS WARREN, JR.
BALTIMORE-WASHINGTON BLVD. & HICKS ROAD
6TH ELECTION DISTRICT
JESSUPS, MARYLAND
JULY 28, 1979 SCALE: 1"=20' DRAWING 1 OF 2

SDP-78-44



Construction Specifications

1. Area under embankment shall be cleared, grubbed and stripped of any vegetation and root waf. The pool area shall be cleared.
2. 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.
3. 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.
4. The structure shall be inspected after each rain and repairs made as needed.
5. Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
6. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.
7. All cut and fill slopes shall be 2:1 or flatter.
8. The crushed stone used in the outlet shall meet AASHTO designation M33, Size No. 2 or 24 or its equivalent such as MSHA No. 2. Gravel, meeting the above gradation, may be used if crushed stone is not available. Crusher run is not acceptable.

Estimated Schedule & Phasing of Development:

Phase 1: Entire temporary EARTH dike to be constructed prior to starting any grading operation (Two days - Sept. 1979)

Phase 2: clearing, grubbing and rough grading of construction site (Two days - Sept. 1979)

Phase 3: Dig footings for proposed building and construct S.C.E. (One day - Sept. 1979)

Phase 4: Construction of proposed building including walks (4 mos. Sept. 79 - Jan. 80)

Phase 5: final grading and paving (3.5 hrs. - Feb. 1980)

Phase 6: clean-up, seeding, & landscaping of construction site (Two days - Feb. 1980)

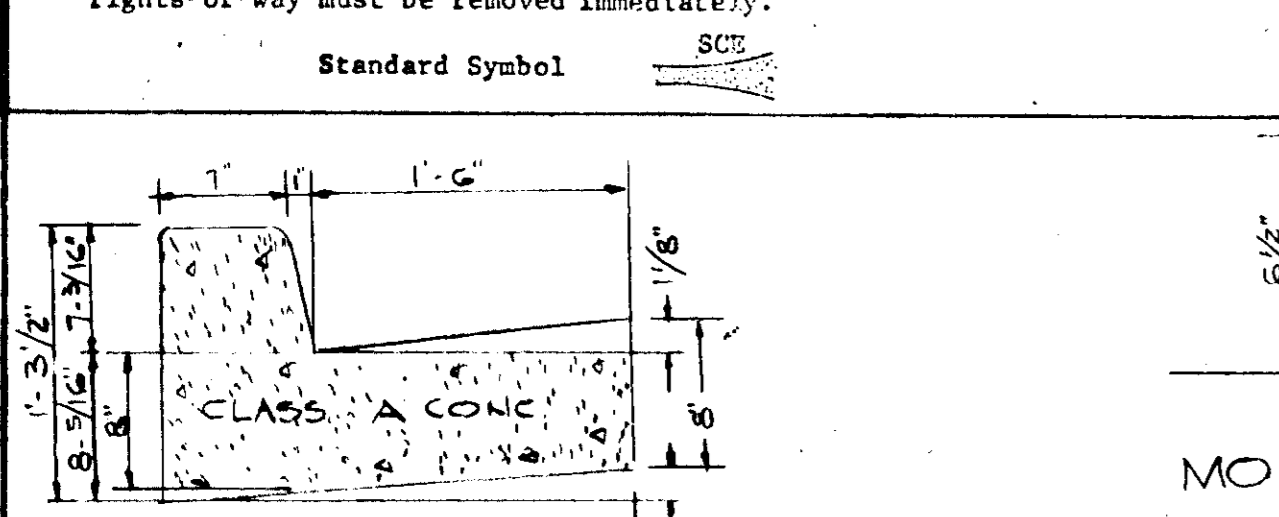
NO.	TYPE	INV. IN	INV. OUT	TOP BL.	REMARKS
6-1	STD. C. ENDWALL	-	222.16	SET IN	SEE HO. CO. STD. DETAILS DRAWG. D-62 PAGE 107
1-1	MOD. S. GRATE	-	222.30	227.23	SEE HO. CO. STD. DETAILS DRAWG. D-98 PAGE 103. SEE DETAIL THIS CH.

SITE ANALYSIS

TOTAL AREA: 0.73 AC. TOTAL CUT: 1284 C.Y.

DISTURBED AREA: 0.23 AC. TOTAL FILL: 1700 C.Y.

PAVED AREA: 0.24 AC. BALANCE:



NO.	TYPE	INV. IN	INV. OUT	TOP BL.	REMARKS
1	BITUMINOUS CONC. SURFACE	-	-	1 1/2" C-3	
2	BITUMINOUS CONC. BINDER	-	-	5" GRAVEL MIX	
3	CRUSHER RUN BASE	-	-	6"	

GRADING & CLEARING: ARTICLE C-1
SUBGRADE: ARTICLE C-2
BASE COURSE: ARTICLE C-25
BINDER COURSE: ARTICLE C-3 OR C-33
SURFACE COURSE: ARTICLE C-31
TO BE CONSTRUCTED IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE & SPECIFICATIONS

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

John P. ... 6-14-79 DATE

APPROVED BY HOWARD COUNTY OFFICE OF PLANNING AND ZONING

... 6-11-79 DATE

CHIEF, DIVISION OF LAND DEVELOPMENT

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

John P. ... 6-14-79 DATE

APPROVED BY HOWARD COUNTY OFFICE OF PLANNING AND ZONING

... 6-11-79 DATE

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CHIEF, DIVISION OF LAND DEVELOPMENT

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

John P. ... 6-14-79 DATE

APPROVED BY HOWARD COUNTY OFFICE OF PLANNING AND ZONING

... 6-11-79 DATE

CHIEF, DIVISION OF LAND DEVELOPMENT

SITE DEVELOPMENT PLAN showing EROSION & SEDIMENT CONTROL

SCALE: 1" = 20'

DEVELOPER: JULIUS WARREN, JR. 8111 HICKS ROAD JESSUPS, MD. 20794 phone: 799-2144

DEVELOPERS CERTIFICATION:

"I certify that all development and/or construction will be done according to this plan of development and plan for Erosion and Sediment Control", and I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary.

Julius Warren, Jr. 7-28-79 DATE

ENGINEERS CERTIFICATION:

"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."

Walter ... 7-28-79 DATE

GENERAL NOTES

2. PARKING SPACES FOR BUSINESSES:

1. 2000 S.F. DIVIDED BY 200 S.F. = 10 PARKING SPACES REQUIRED
1. 15 PARKING SPACES PER TWO BEDROOM UNIT = THREE PARKING SPACES REQUIRED
- ALL 100 PARKING SPACES MUST BE 10' X 20' AND HAVE A 24" WIDE TRAVELWAY TO THEIR REAR.
- AREA CASE NO. 246-C
- AREA OF PARCEL: 21,750 S.F. OR 0.702 AC.

ENGINEERS: LAND DEVELOPMENT CONSULTANTS 2088-B TOWN & COUNTRY BLVD. ELLICOTT CITY, MD. 21025 465-8510

SITE INFORMATION:

Area of property: 11,752 S.F.

Lot # P-211 Map 43

Liber 505, Folio 415

Election District 6

Zoned M-1 (see Bd. of Appeals case #392C & 911C)

Parking spaces required: 17

Parking spaces provided: 16

Handicapped space: 1

Total number of employees: 6

Total sq. ft. area on 1st floor: 12,000 S.F.

Total No. of apts. allowed & provided: 2 (2BR)

Minimum area of apt. unit: 1,005 S.F.

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

John P. ... 6-14-79 DATE

APPROVED BY HOWARD COUNTY OFFICE OF PLANNING AND ZONING

... 6-11-79 DATE

CHIEF, DIVISION OF LAND DEVELOPMENT

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

John P. ... 6-14-79 DATE

APPROVED BY HOWARD COUNTY OFFICE OF PLANNING AND ZONING

... 6-11-79 DATE

CHIEF, DIVISION OF LAND DEVELOPMENT

DRAINAGE AREA MAP

PROPOSED TWO STORY STORE & APT. BUILDING for MR. & MRS. JULIUS WARREN, JR.

Baltimore-Washington Blvd. & Hicks Road

Sixth Election District Jessups, Maryland

July 28, 1979 DRAWING 1 of 2

SDP-78-44