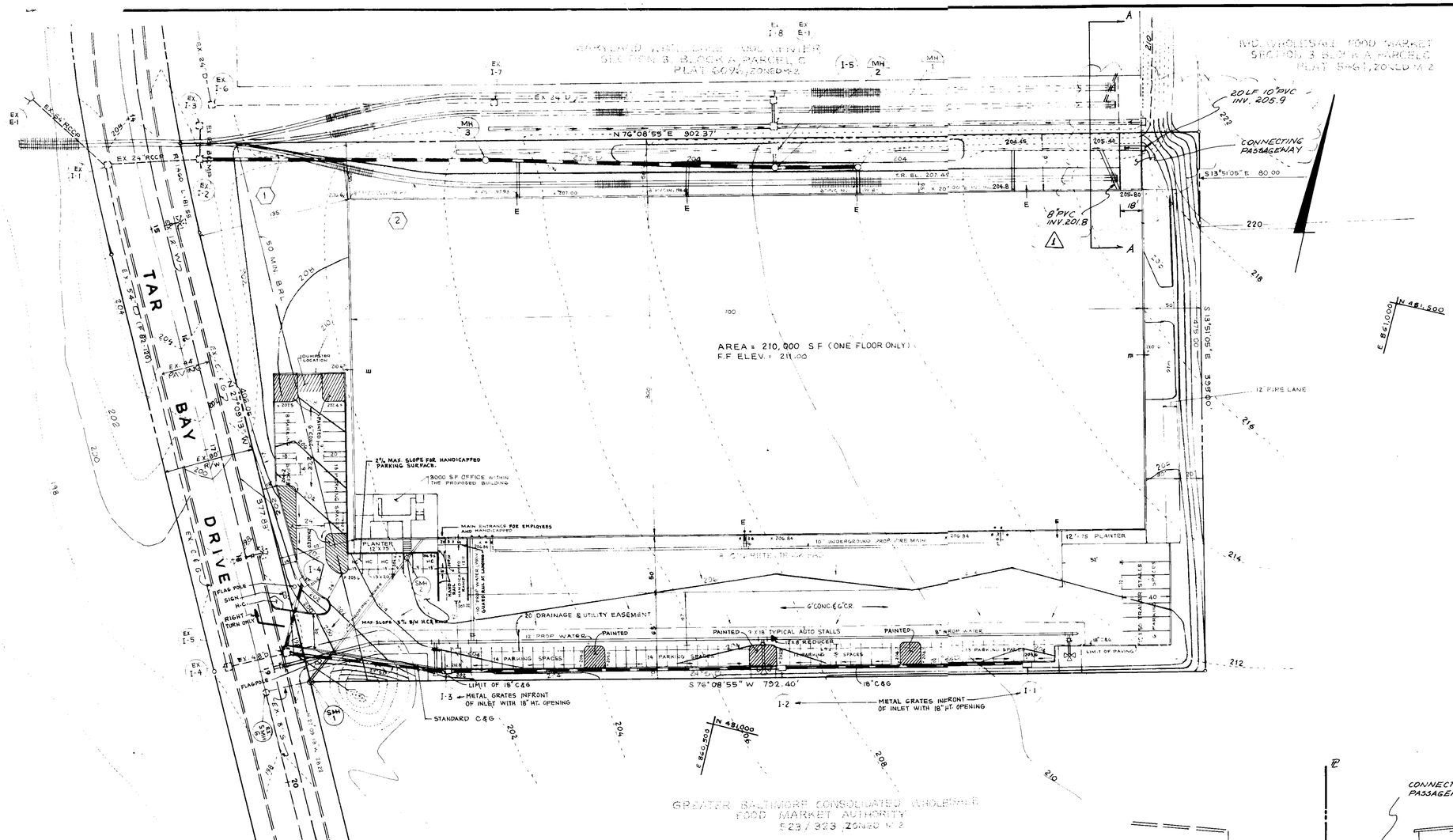


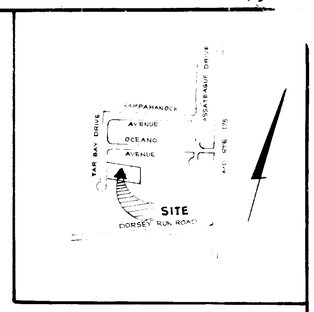
PLAN

SCALE 1=50'

BENCH MARKS

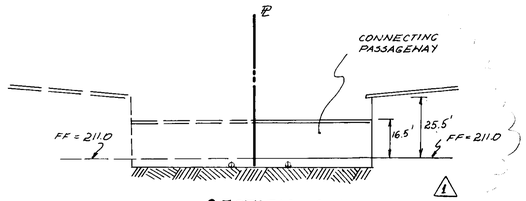
BM # 1 X-CUT IN HYDRANT NOZ. DOWN BOLT 15+00 OCEANO AVE. EL. 232.55

BM # 2 X CUT 24.25 LEFT 19+00 OCEANO AVE. EL. 218.73

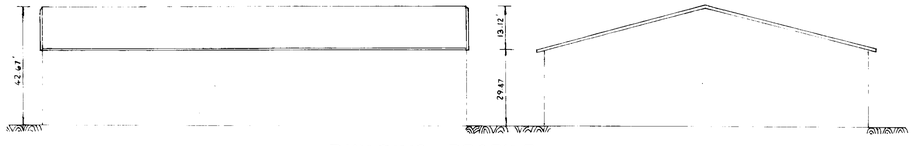


VICINITY MAP

SCALE 1" = 2000'



SECTION A-A



BUILDING PROFILE

GENERAL NOTES

1. PRIOR TO THE START OF ANY CONTRUCTION THE CONTRACTOR SHALL STAKE OUT ALL BASELINES, INCLUDING LOCATION, FORCES, AND SETS AND SETBACKS.

2. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" OF MARYLAND (301-599-0100) AT LEAST 72 HOURS PRIOR TO STARTING EXCAVATION TO VERIFY ALL LOCATIONS OF EXISTING UTILITES.

3. ALL CONSTRUCTION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH HOWARD COUNTY, DEPARTMENT OF PUBLIC WORKS SPECIFICATIONS AND REQUIREMENTS.

4. THE INFORMATION SHOWN ON THESE PLANS IS FOR THE USE OF THOSE CONCERNED ONLY. THE CORRECTNESS OF COMPLETENESS OF INFORMATION SHOWN IS NOT WARRANTED OR GUARANTEED. CONTRACTOR SHALL VERIFY ALL INFORMATION TO HIS OWN SATISFACTION.

5. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE GIVEN AS AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE THESE UNDER GROUND UTILITIES.

6. ALL DISTURBED AREAS NOT STABILIZED WITH PAVEMENT, SHALL BE SODDING OR MULCH PLANTING AREAS SHALL BE SEEDED AND MULCHED.

7. S.W.M. HAS BEEN PROVIDED UNDER F-82-120

8. SURVEY BASED ON HOWARD COUNTY GEODETIC MONUMENT NO. 11 AND MONUMENT NO. 10 PLAT PARCEL D HAS BEEN REVISED

9. THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION SURVEY DIVISION, 24 HRS IN ADVANCE OF COMMENCEMENT OF WORK AT 992-2417 OR 792-7272

10. STORMWATER MANAGEMENT FOR THIS SITE HAS BEEN PROVIDED FOR IN THE REGIONAL FACILITY (F-82-120)

11. ALL ROADS ARE PUBLIC

12. SEE S-82-07, P-87-50 & F-89-160

13. THE WAREHOUSE USE IS FOR BULK STORAGE ONLY. A HIGHER INTENSITY USE WILL REQUIRE PRIOR APPROVAL FROM THE DEPARTMENT OF PLANNING AND ZONING FOR ADDITIONAL PARKING REQUIREMENT.

SITE ANALYSIS

1. AREA OF SITE = 9.252 AC (403,017 S.F.)
2. MAX. BLDG. HT. ALLOWED = 50 FEET
   PROP. BLDG. HT. = 42.67 FEET
3. ZONING: M-2, TAX MAP 43, PARCEL D
4. OWNER: J-MARK CONSTRUCTION COMPANY, INC
   P.O. BOX 1921
   APPLETON, WISCONSIN 54913
5. SITE USE: OFFICE AND WAREHOUSE
6. DENSITY TABULATION:

	AREA	% COVERAGE
A. SITE	403,017 S.F.	
B. PROP BLDG	=210,000 S.F.	52.1%
C. PARKING LOT	=86,750 S.F.	21.5%
D. BLDG. & PARKING LOT	=296,750 S.F.	73.6%
E. LANDSCAPED ISLANDS	= 4,602 S.F.	5.3%
F. OPEN SPACE INCL. LANDSCAPED ISLANDS (EXCL. RAILWAY)	= 97,667 S.F.	24.2%
G. AREA OF RAILWAY	= 8,600 S.F.	2.2%

PARKING DATA

TOTAL FLOOR AREA	= 210,000 S.F.	4.82 AC
OFFICE AREA	= 3,000 S.F.	=12 EMPL. @7 P.S./1000 EMPL. = 8.4 P.S.
WAREHOUSE AREA	= 207,000 S.F.	= 20 EMPL. @1 P.S./2 EMPL. = 10 P.S.
TOTAL PARKING REQUIRED	= 18.4 PARKING SPACES	
TOTAL PARKING PROVIDED	= 80 PARKING SPACES INC. H.C.	

LEGEND

- 6" CONC. & 2" CR.
- 6" CONC. & 6" C.R.
- x203.7 SPOT ELEV.

ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
PARCEL D	7970 TAR BAY DRIVE

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3217 Corporate Court
Ellicott City, MD 21043
(301) 750-9003

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

COUNTY HEALTH OFFICER — DATE 3-8-90

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

DATE 3.20.90

CHIEF DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT — DATE 3/21/90

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

DIRECTOR — DATE 3.1.90

CHIEF BUREAU OF ENGINEERING — DATE 2-28-90

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

M/S SOIL CONSERVATION SERVICE — DATE

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

APPROVED

DISTRICT HOWARD SOIL CONSERVATION DISTRICT — DATE 3/20/90

NO	DATE	REVISION	BY
1	5/7/90	PARKING ISLANDS, C&G, GRADING, HC	V.G.
2	8/3/90	ADD CONN. PASSAGEWAY	V.Z.

ENGINEER'S CERTIFICATE

I HEREBY 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 SOILS CONSERVATION DISTRICT.

SIGNATURE OF ENGINEER — DATE 2-9-90

DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL 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 ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY."

SIGNATURE OF DEVELOPER — DATE 2-7-90

SUBDIVISION NAME	SECTION / AREA	PARCEL NO
MARYLAND WHOLESALE FOOD CNTR.	3 / BLOCK A	D

PLAT NO	BLOCK NO	ZONE	TAX / ZONE	ELEC DIST	CENSUS TR
8722	21	M-2	43	6TH	6064

WATER CODE B02 — SEWER CODE 3170000

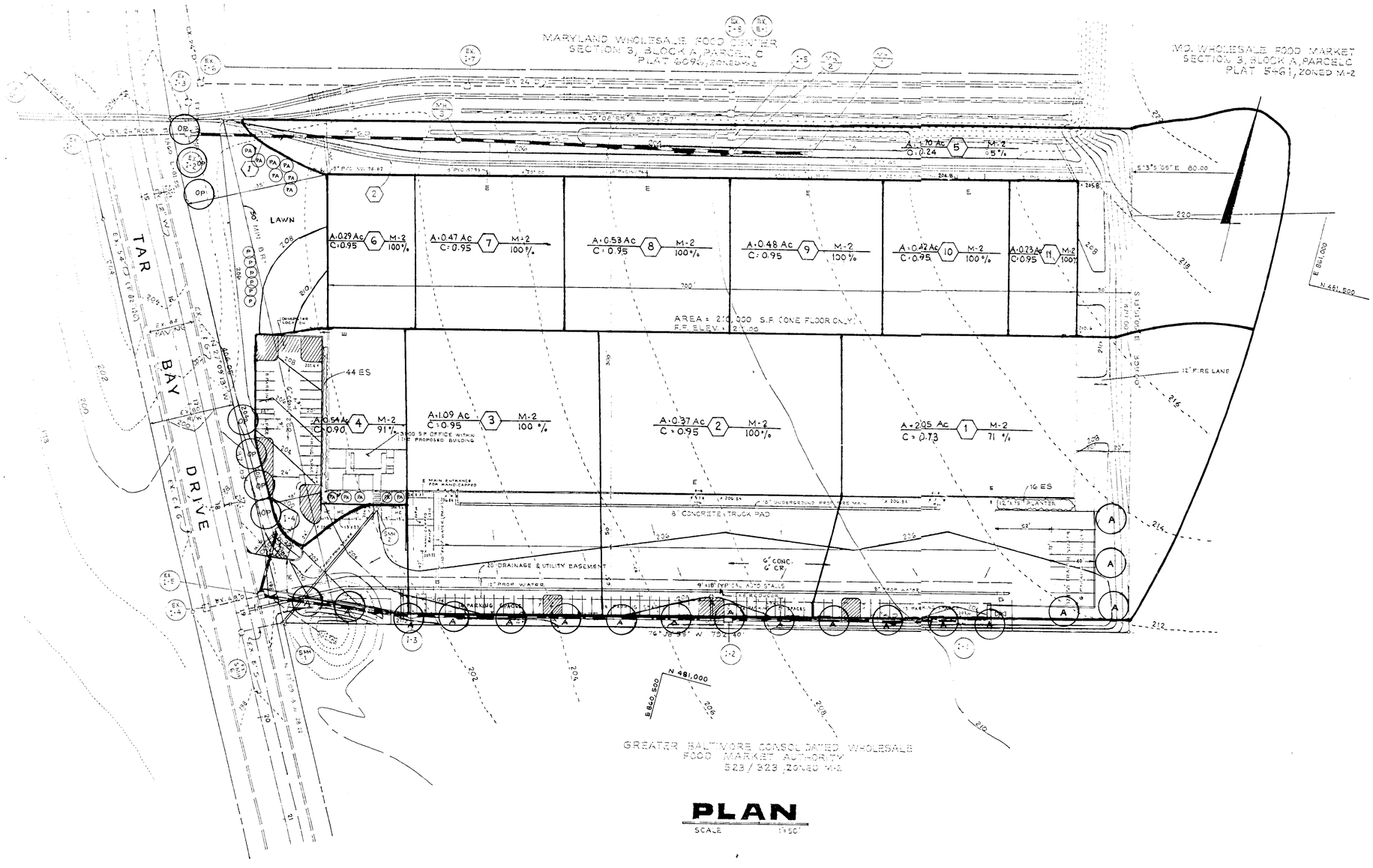
DESIGNED M.S. — DRAWN V.S. — CHECKED M.S. — DATE 2-9-1990

SITE DEVELOPMENT PLAN
MARYLAND WHOLESALE FOOD CENTER
SECTION 3, BLOCK A, PLAT NO. 6096 & 8722
PARCEL D, TAX MAP 43
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
F-89-180 SDP 89-223

OWNER
J. MARK CONSTRUCTION CO. INC.
P.O. BOX 1921
APPLETON, WISCONSIN 54913

SCALE — DRAWING — JOB NO — FILE NO

SDP 89-223



PLAN

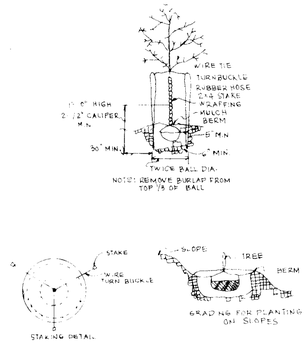
SCALE 1"=50'

PLANT LIST

KEY	QTY	BOTANICAL/COMMON NAME	SIZE/REMARKS
TREES			
A	18	QUERCUS PALUSTRIS PINE OAK	2½" CAL. B&B
SHRUBS			
ES	60	EUONYMUS SIEBOLDIANA SIEBOLD EUONYMOUS	24" HT. 24" SPR. B&B
EVERGREENS			
OP	7	PLATANUS & ACERIFOLIA BLOODGOOD LONDON PLANETRICE	7 HT. FULL B&B
PA	12	CUPRESSOCYPARIS, LAYLANDII LAYLAND CYPRESS	7' HT. FULL B&B
P	6	JUNIPERUS SPARTAN SPARTAN JUNIPER	8 HT. FULL DENSE B&B

TREE PLANTING

N.T.S.



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Ellicott City, MD 21043
(301) 750-9003

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

HEALTH OFFICER — DATE 3-8-90

HOWARD COUNTY DEPT. OF PLANNING & ZONING — DATE 3.30.90

PLANNING DIRECTOR — DATE 3/30/90

DIVISION OF COMMUNITY PLANNING & DEVELOPMENT — DATE

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

CHIEF — DATE 3/1/90

BUREAU OF ENGINEERING — DATE 2-28-90

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

U.S. SOIL CONSERVATION SERVICE — DATE

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

APPROVED:

DISTRICT — DATE
HOWARD SOIL CONSERVATION DISTRICT

REVISION

DATE	NO.	DESCRIPTION	BY
11-5-90	1	PARKING ISLAND, TREES	V.S.
		PAVING, SEWER	

ENGINEER'S CERTIFICATE

I HEREBY 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 SOILS CONSERVATION DISTRICT.

2-9-90

DEVELOPER'S CERTIFICATE

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Jacqueline Jochmen 2-7-90
SIGNATURE OF DEVELOPER — DATE

SUBDIVISION NAME: MARYLAND WHOLESALE FOOD CNTR.			SECTION/AREA: 3/BLOCK A		PARCEL NO: D
PLAT NO: 8722	BLOCK NO: 21	ZONE: M-2	TAX/ZONE: 43	ELEC. DIST: 6TH	CENSUS TR: 0064
WATER CODE: B02			SEWER CODE: 3170000		

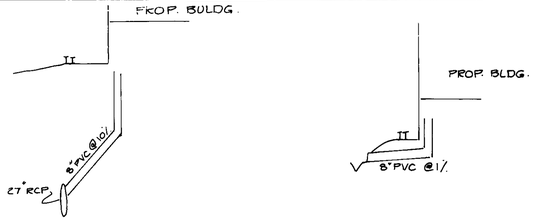
DESIGNED: V.S.
DRAWN: V.S.
CHECKED: MS.
DATE: 2-9-1990

DRAINAGE AREA MAP
MARYLAND WHOLESALE FOOD CENTER
SECTION 3, BLOCK A, PLAT NO. 8096 8722
PARCEL D, TAX MAP 43
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

OWNER
J. MARK CONSTRUCTION CO. INC.
P.O. BOX 1921
APPLETON, WISCONSIN 54913

SCALE
DRAWING NO: 20-6
JOB NO:
FILE NO:

SDP 89-223

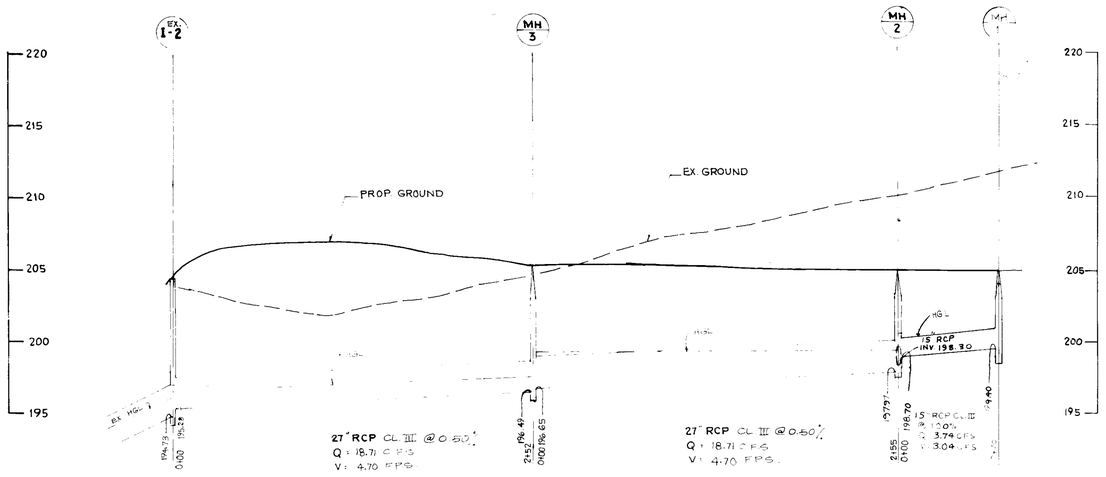


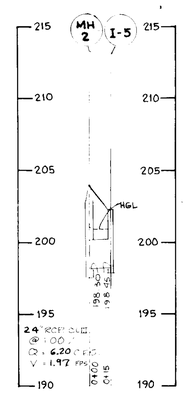
TYPICAL PROFILE
8" PVC UNDER RR

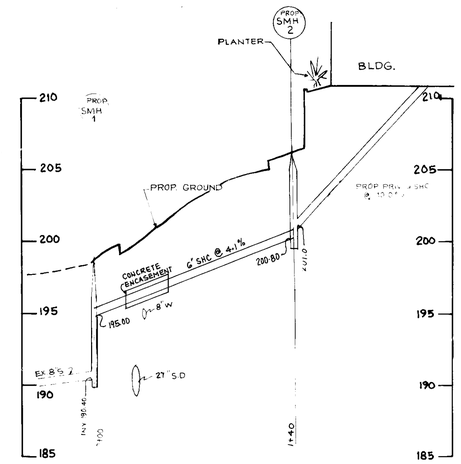
SCALE: HORIZ: 1"=50'
VERT: 1"=5'

TYPICAL PROFILE
8" PVC UNDER RR

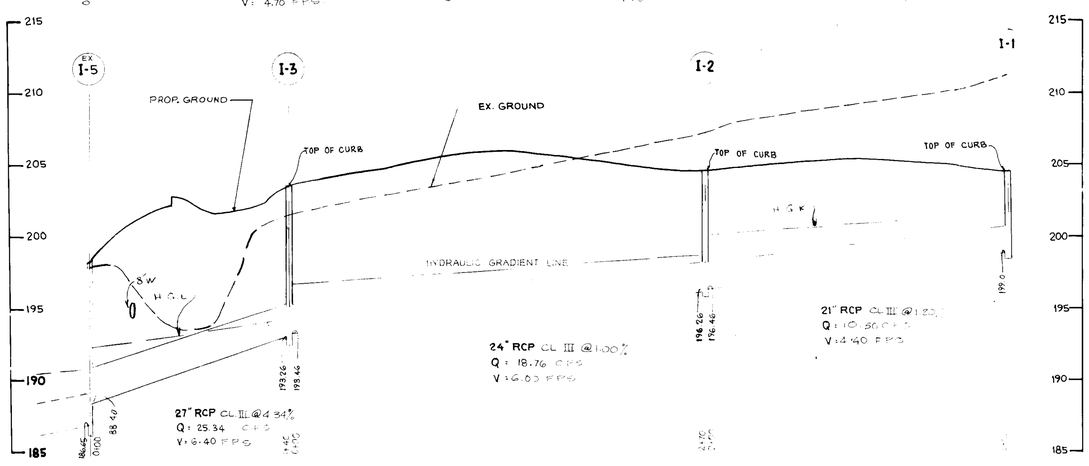
SCALE: HORIZ: 1"=50'
VERT: 1"=5'

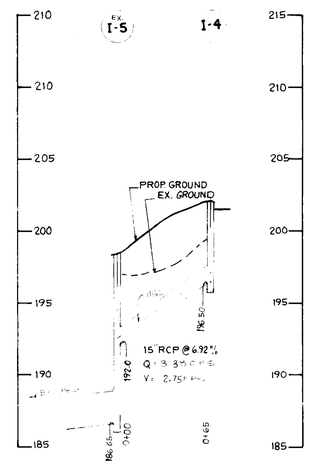






SEWER PROFILE





STORM DRAIN STRUCTURE SCHEDULE				
NO	TYPE	TOP EL.	INV. IN	INV. OUT
MH-1	STANDARD PRECAST MANHOLE HO. CO. G.S. II	205.20	199.40	
MH-2	STANDARD PRECAST MANHOLE HO. CO. G.S. II	205.20	198.70	197.97
MH-3	STANDARD PRECAST MANHOLE HO. CO. G.S. II	205.37	196.68	196.49
I-1	E INLET HOWARD COUNTY SD. 4.21	204.53	195.23	194.73
I-1	A-10 INLET HOWARD COUNTY SD. 4.02	205.09		199.0
I-2	A-10 INLET HOWARD COUNTY SD. 4.02	204.91	196.46	196.26
I-3	A-10 INLET HOWARD COUNTY SD. 4.02	203.91	193.46	193.26
I-4	MOD/FIBD INLET (GRATED)	198.50	187.19	186.25
I-5	MOD/FIBD INLET (GRATED)	197.25	192.0	186.95
I-4	A-10 INLET HOWARD COUNTY SD. 4.02	201.50	192.0	196.50
I-5	E INLET HOWARD COUNTY SD. 4.02	202.56	198.48	198.30

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(301) 750-9003

STORM DRAIN PROFILE

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

COUNTY HEALTH OFFICER — DATE 3-8-90

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

DIRECTOR — DATE 3.20.90

CHIEF DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT — DATE 3/20/90

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

DIRECTOR — DATE 3/1/90

CHIEF BUREAU OF ENGINEERING — DATE 2-23-90

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

U.S. SOIL CONSERVATION SERVICE — DATE 1/20/90

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

APPROVED

DISTRICT HOWARD SOIL CONSERVATION DISTRICT — DATE 1/20/90

REVISION

DATE	NO	DESCRIPTION	BY
11-5-90	1	PROP. GRADE, SEWER	V.S.

ENGINEER'S CERTIFICATE

I HEREBY 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 SOILS CONSERVATION DISTRICT

STATE OF MARYLAND — MICHAEL SEDGHI — No. 7000 — PROFESSIONAL ENGINEER

SIGNATURE OF ENGINEER — DATE 2-9-90

DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL 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 ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY

SIGNATURE OF DEVELOPER — Jacqueline Johnson — DATE 2-7-90

SUBDIVISION NAME	SECTION / AREA	PARCEL NO
MARYLAND WHOLESALE FOOD CTNR.	3 BLK A	"D"

PLAT NO	BLOCK NO	ZONE	TAX / ZONE	ELEC DIST	CENSUS TR
8722	21	M-2	43	6	6064

WATER CODE 8 02 — SEWER CODE 3170000

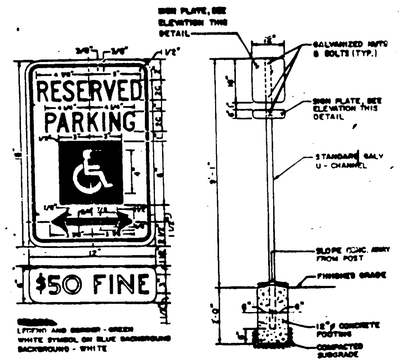
DESIGNED V.S. — DRAWN V.S. — CHECKED MS. — DATE 2-9-1990

STORM DRAIN & SEWER PROFILE
MARYLAND WHOLESALE FOOD CENTER
SECTION 3, BLOCK A, PLAT # 8722
PARCEL D TAX MAP 43
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

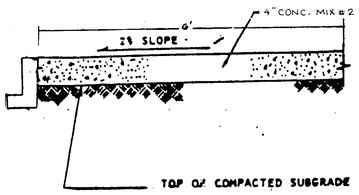
OWNER: J. MARK CONSTRUCTION CO. INC. P.O. BOX 192 APPLETON, WISCONSIN 54915

SCALE — DRAWING — JOB NO — FILE NO

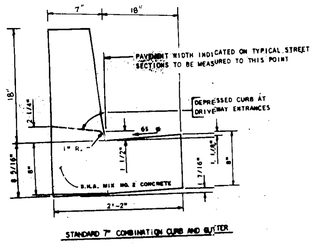
SDP. 89-223



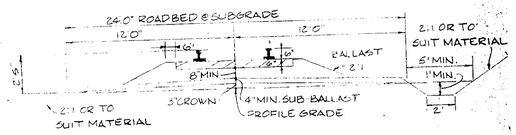
HANDICAPPED SIGN AND POST
NOT TO SCALE



SIDEWALK DETAIL
NO SCALE



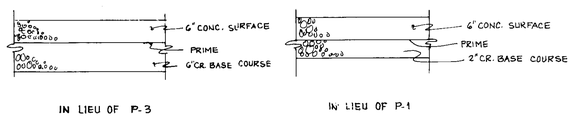
CURB & GUTTER DETAIL
NO SCALE



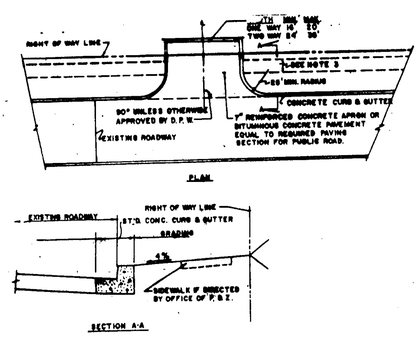
CLASS "B" TANGENT TRACK
ROADBED SECTION
SCALE: 1" = 5' ±

NOTE: ALL CLEARANCES WILL BE IN ACCORDANCE WITH B&O STANDARDS AND STATE REGULATIONS

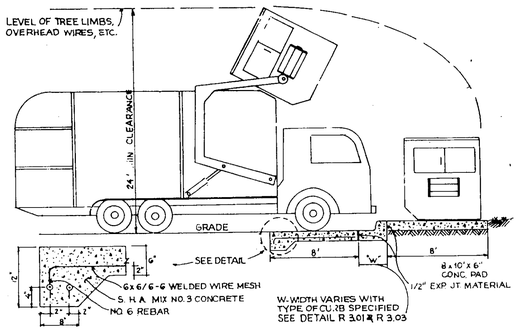
INDUSTRY TO COMPLETE ALL GRADING AND DRAINAGE AND PERFORM ALL SEDIMENT AND EROSION CONTROL IN COMPLIANCE WITH STATE AND COUNTY REGULATIONS.



PAVING DETAIL
N.T.S.



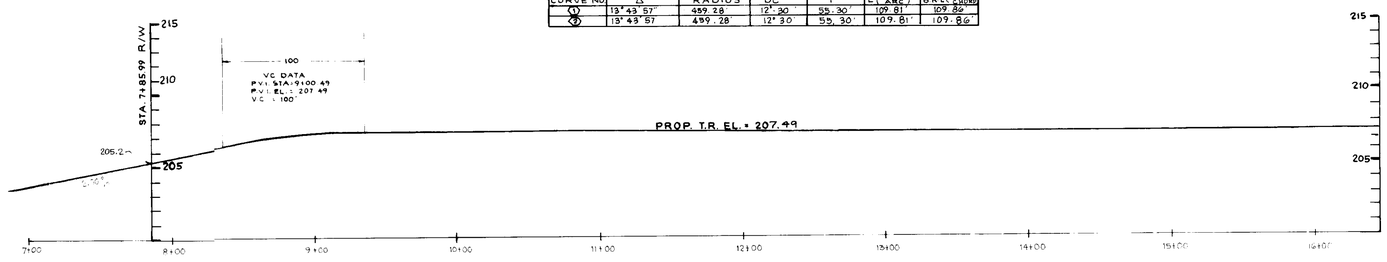
DRIVEWAY APRON DETAIL
NO SCALE



SOLID WASTE SERVICE PAD

PROPOSED SPUR CURVE DATA

CURVE NO	Δ	RADIUS	DC	T	L (ARC)	B.R.L.L. (CHORD)
1	13° 43' 57"	459.28'	12° 30'	55.30'	109.81'	109.86'
2	13° 43' 57"	459.28'	12° 30'	55.30'	109.81'	109.86'



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Ellicott City, MD 21043
(301) 750-9003

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

COUNTY HEALTH OFFICER — DATE 3-8-90

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

DIRECTOR — DATE 3.30.90

CHIEF DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT — DATE 4/5/90

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

DIRECTOR — DATE 3/1/90

CHIEF BUREAU OF ENGINEERING — DATE 2-23-90

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

U.S. SOIL CONSERVATION SERVICE — DATE 2/20/90

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

APPROVED

DISTRICT HOWARD SOIL CONSERVATION DISTRICT — DATE 2/26/90

REVISION

DATE	NO	DESCRIPTION	BY
8-6-90	1	PAVING DETAIL, C & G DETAIL	V.S.

ENGINEER'S CERTIFICATE

I HEREBY 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 SOILS CONSERVATION DISTRICT

SIGNATURE OF ENGINEER — DATE 4-25-89

DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL 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 ONSITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY"

SIGNATURE OF DEVELOPER — DATE 2-7-90

SUBDIVISION NAME: MARYLAND WHOLESALE FOOD CTNR			SECTION / AREA: 3, BLK. A		PARCEL NO: "D"
PLAT NO: 8722	BLOCK NO: 21	ZONE: M-2	TAX / ZONE: #43	ELEC DIST: #6	CENSUS TR: 6046
WATER CODE: 8 02			SEWER CODE: 3170000		

DESIGNED: V.S.
DRAWN: V.S.
CHECKED: MS.
DATE: 2-9-1990

DETAILS
MARYLAND WHOLESALE FOOD CENTER
SECTION 3, BLOCK A, PLAT NO. 8722
PARCEL D, TAX MAP 43
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

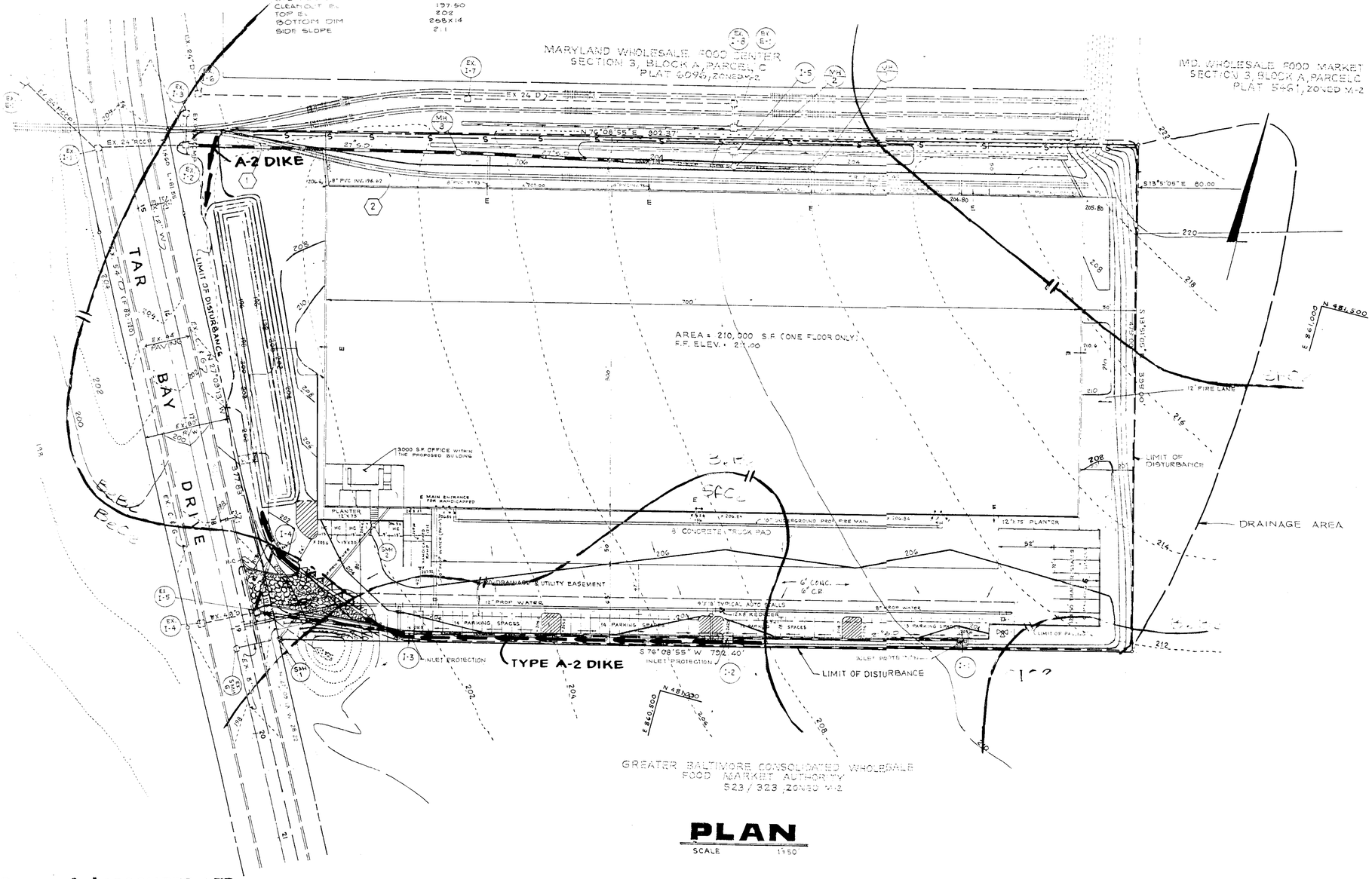
OWNER
J. MARK CONSTRUCTION CO. INC.
P.O. BOX 1921
APPLETON, WISCONSIN 54913

SCALE:
DRAWING:
JOB NO
FILE NO

SDP-89-223

RIPRAP OUTLET SEDIMENT TRAP

DRAINAGE AREA	8.79 AC
STORAGE REQUIRED	15,822 C.F.
STORAGE PROVIDED	15,948 C.F.
BOTTOM EL	196
CREST EL	205
STORAGE EL	199
CLEANOUT EL	197.50
TOP EL	202
BOTTOM DIM	268X14
SIDE SLOPE	2:1



PLAN

SCALE 1:50'

SEDGHI & ASSOCIATES, LTD.
Civil Engineers · Site Planners · Surveyors
3217 Corporate Court
Ellicott City, MD 21043
(301) 750-9003

SEQUENCE OF CONSTRUCTION

1. Obtaining grading permit.
2. Notify Howard County Office of Inspection and Permits at 992-2437 a minimum of 24 hours prior to the start of any work.
3. Install stabilized construction entrance.
4. Construct rip-rap outlet sediment trap.
5. Install dikes and silt fences.
6. Clear and grade the site.
7. Construct utilities and storm drains.
8. Provide inlet protection for all inlets.
9. Building construction can be started at this stage.
10. Construct parking lots and curbs and gutters except the west parking lot.
11. The contractor will clean the sediment trap when the silt reaches the cleanout elevation.
12. Seed and mulch all disturbed areas except the west parking area.
13. With the permission of sediment control inspector, remove sediment trap.
14. Place silt fence around the location of sediment trap and grade the area.
15. Construct the west parking and curbs and gutters.
16. Seed and mulch the remaining area.
17. With the permission of sediment control inspector, remove all sediment measures.

SEDIMENT & EROSION CONTROL LEGEND

- STABILIZED CONSTRUCTION ENTRANCE
- MOUNTABLE BERM
- SEDIMENT TRAP
- INLET PROTECTION
- SOIL LINE
- EARTH DIKE
- DRAINAGE AREA
- LIMIT OF DISTURBANCE
- SILT FENCE

HOWARD COUNTY SOIL MAP - 34

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

COUNTY HEALTH OFFICER — DATE 3-8-90

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

DATE 2.20.90

CHIEF DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT — DATE 6/20/90

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

DIRECTOR — DATE 3/1/90

CHIEF BUREAU OF ENGINEERING — DATE 2-23-90

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

U.S. SOIL CONSERVATION SERVICE — DATE 2/20/90

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

APPROVED

DISTRICT HOWARD SOIL CONSERVATION DISTRICT — DATE

REVISION

DATE	NO.	DESCRIPTION	BY.
11-5-90	1	PARKING ISLAND, F.H. ENTRANCE	V.S.

ENGINEER'S CERTIFICATE

I HEREBY 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 SOILS CONSERVATION DISTRICT.

SIGNATURE OF ENGINEER — DATE 2-9-90

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SIGNATURE OF DEVELOPER — DATE 2-7-90

SUBDIVISION NAME: MARYLAND WHOLESALE FOOD CENTER		SECTION / AREA: 3 / BLOCK A	PARCEL NO: D	
PLAT NO: 8722	BLOCK NO: 21	ZONE: M-2	TAX ZONE: 43	ELEC. DIST.: 4TH	CENSUS TR: 6064
WATER CODE: 802		SEWER CODE: 8170000		

DESIGNED: V.S.
DRAWN: V.S.
CHECKED: MS.
DATE: 2-9-1990

SEDIMENT & EROSION CONTROL PLAN & SOIL MAP
MARYLAND WHOLESALE FOOD CENTER
SECTION 3 BLOCK A PLAT # 6096 & 8722
TAX MAP 43 PARCEL D
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

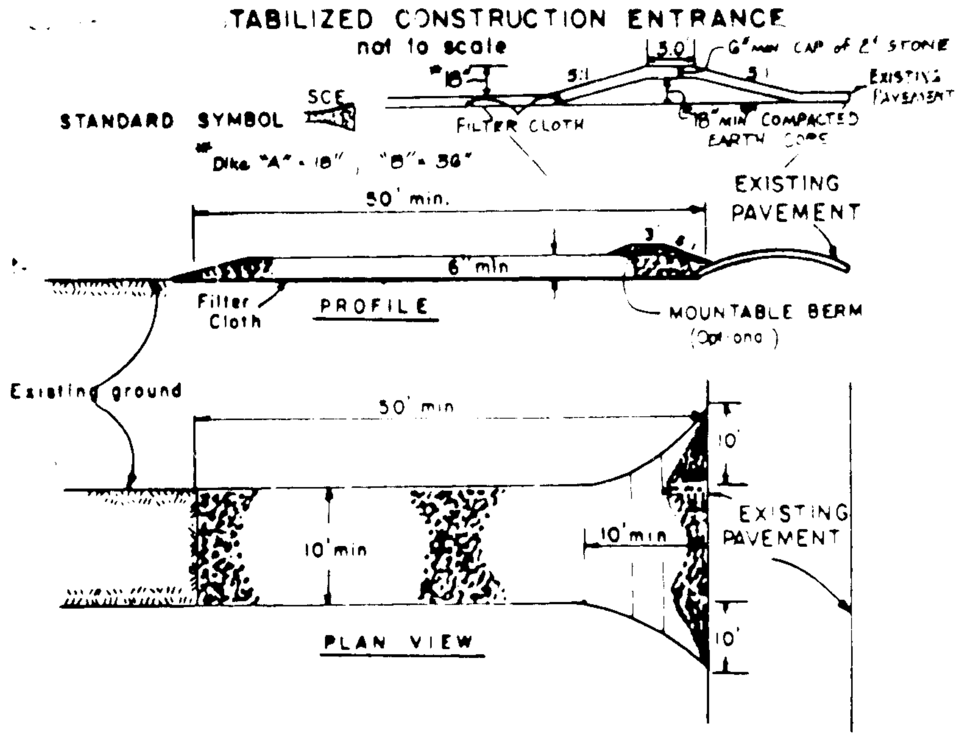
OWNER: J. MARK CONSTRUCTION CO. INC.
P.O. BOX 1921
APPLETON, WISCONSIN 54913

SCALE
DRAWING 5 OF 5
JOB NO
FILE NO

SDP. 89-223

STABILIZED CONSTRUCTION ENTRANCE

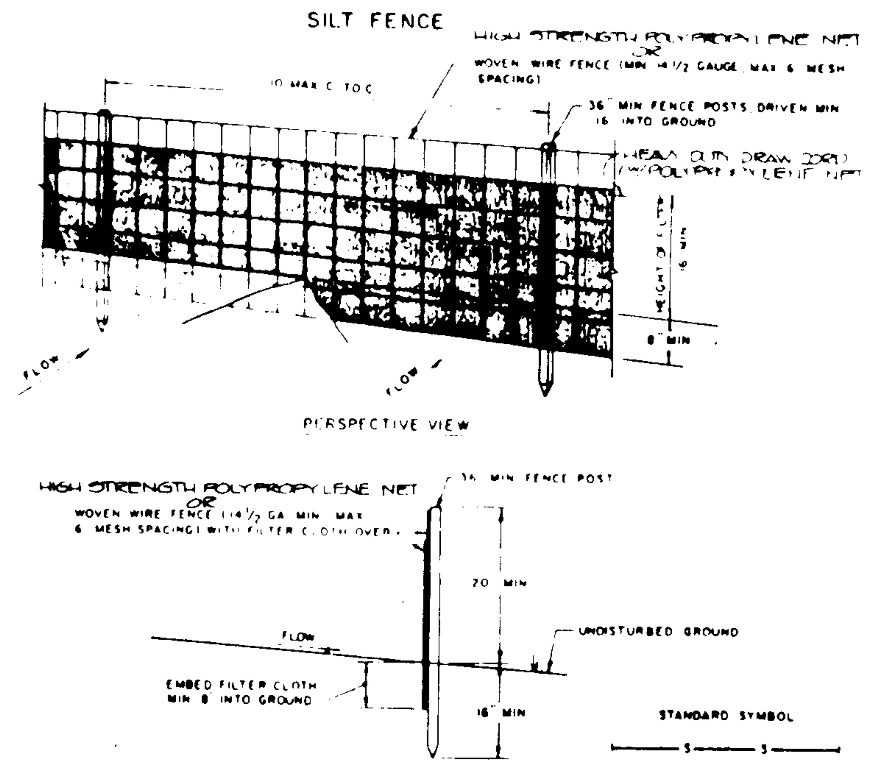
not to scale



CONSTRUCTION SPECIFICATIONS

1. **Stone Size** - Use 2" stone, or reclaimed or recycled concrete equivalent.
2. **Length** - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
3. **Thickness** - Not less than six (6) inches.
4. **Width** - Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
5. **Filter Cloth** - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
6. **Surface Water** - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted.
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
8. **Washing** - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
9. Periodic inspection and needed maintenance shall be provided after each rain.

SILT FENCE



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER LAPPED BY SIX INCHES AND FOLDED
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE

POSTS: STEEL EITHER T OR U TYPE OR 1 1/4" x 1 1/4" Min (Actual) HARDWOOD

FENCE: WOVEN WIRE, 14 GA 6" MAX MESH OPENING HIGH STRENGTH POLYPROPYLENE NETTING

FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA T140N OR APPROVED EQUAL

PREFABRICATED UNIT: GEOFAB, ENVIROFENCE OR APPROVED EQUAL

PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREA NOT SUBJECT TO IMMEDIATE FUTURE DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.

Seedbed Preparation: Loosen upper 3 inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

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 square ft.) and 600 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq. ft.) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs. per acre 38-0-0 ureaform fertilizer (9lbs./1000 sq. ft.)

2.) Acceptable - Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq.ft.) and 1000 lbs. per acre 10-10-10 fertilizer (23 lbs./1000 sq. ft.) before seeding. Harrow or disc into upper three inches of soil.

Seeding - For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs. per acre (1.4 lbs./1000 sq. ft.) of Kentucky 31 Tall Feacue. For the period May 1 thru July 31, seed with 60 lbs. Kentucky 31 Tall Feacue per acre and 2 lbs. per acre (.05 lbs./1000 sq. ft.) of weeping lovegrass. During the period of October 16 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 Feacue and mulch with 2 tons/acre well anchored straw.

Mulching - Apply 1½ 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 NOTES

APPLY TO GRADED OR CLEARED AREA LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

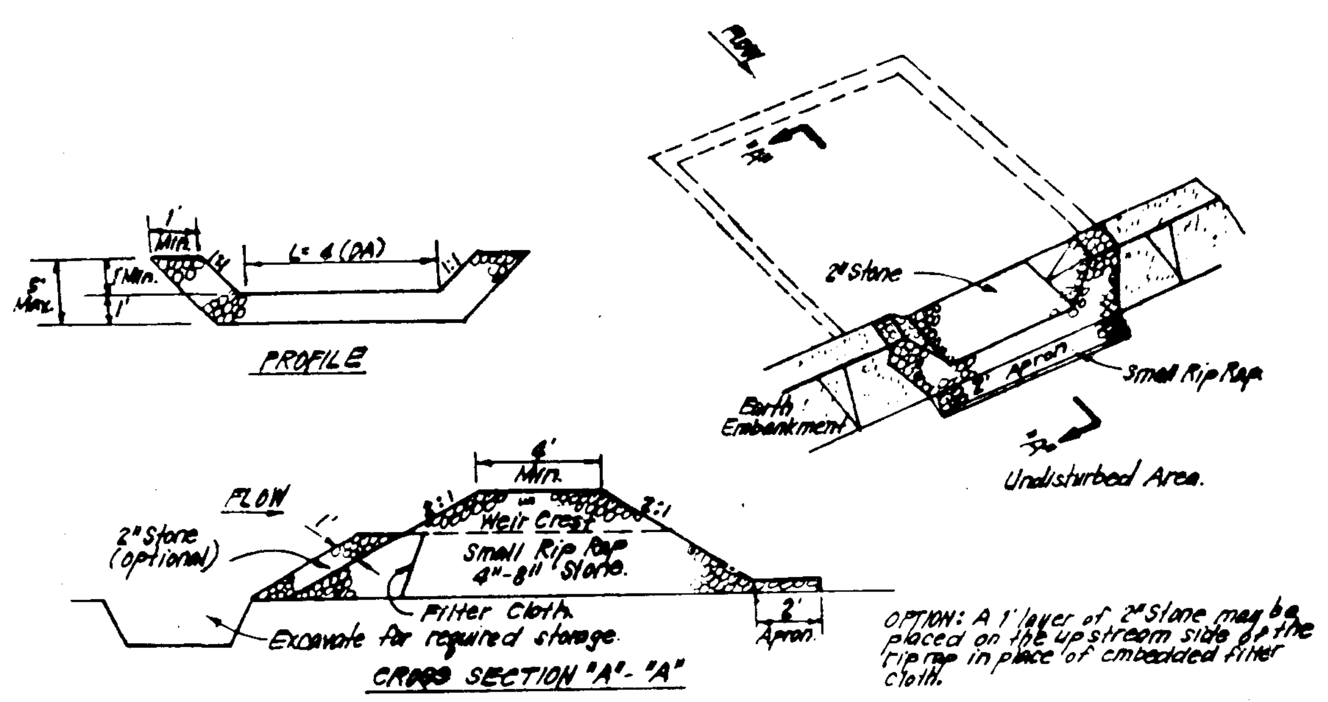
Seedbed Preparation: Loosen upper 3 inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.

Soil Amendments: Apply 600 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sq.ft.)

Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2½ bu. per acre of annual rye (3.2 lbs./1000 sq.ft.). For the period May 1 thru August 14, seed with 3 lbs. per acre of weeping lovegrass (.07 lbs./1000 sq.ft.). For the period November 16 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 1½ 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 ft. or higher, use 348 gal. per acre (8 gal./1000 sq.ft.) for anchoring.

REFER TO THE 1983 MD. STANDARD AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.



OPTION: A 1' layer of 2" Stone may be placed on the upstream side of the rip rap in place of embedded filter cloth.

CONSTRUCTION SPECIFICATIONS:

1. Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
2. The fill material for the embankment shall be free of roots and 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. All cut and fill slopes shall be 2:1 or flatter.
4. The stone used in the outlet shall be small rip-rap 4"-8" along with 1' thickness of 2" aggregate placed on the up-grade side on the small rip rap or embedded filter cloth in the rip rap.
5. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to ½ the design depth of the trap.
6. The structure shall be inspected after each rain and repairs made as needed.
7. Construction operations shall be carried out in such a manner than erosion and water pollution is minimized.
8. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.

STONE OUTLET SEDIMENT TRAP (S.O.S.T.) ST-V.

NO SCALE

STANDARD AND SPECIFICATIONS FOR VEGETATIVE STABILIZATION WITH SOD

SPECIFICATIONS

1. Class of turfgrass sod shall be Maryland or Virginia State Certified, or Maryland or Virginia State approved sod.
2. Sod shall be machine cut at a uniform soil thickness of 3/4 inch, plus or minus 1/4 inch, at the time of cutting. Measurement for thickness shall exclude top growth and thatch.
3. Standard size sections of sod shall be strong enough to support their own weight and retain their size and shape when suspended vertically with a firm grasp on the upper 10 percent of the section.
4. Individual pieces of sod shall be cut to the suppliers width and length. Maximum allowable deviation from standard widths and lengths shall be 5 percent. Broken pads and torn or uneven ends will not be acceptable.
5. Sod shall not be harvested or transplanted when moisture content (excessively dry or wet) may adversely affect its survival.
6. Sod shall be harvested, delivered and installed within a period of 36 hours. Sod not transplanted within this period shall be inspected and approved prior to its installation.

I. Site Preparation

Fertilizer and lime application rates shall be determined by soil tests. Under unusual circumstances where there is insufficient time for a complete soil test, fertilizer and lime materials may be applied in amounts shown under B, below.

A. Prior to sodding, the surface shall be cleared of all trash, debris, and of all roots, brush, wire, grade stakes and other objects that would interfere with planting, fertilizing or maintenance operations.

B. Where the soil is acid or composed of heavy clays, ground limestone shall be spread at the rate of 2 tons/acre or 100 pounds per 1,000 square feet. In all soils 1,000 pounds per acre or 25 pounds per 1,000 square feet of 10-10-10 fertilizer or equivalent shall be uniformly applied and mixed into the top 3 inches of soil with the required lime.

C. All areas receiving sod shall be uniformily fine graded Hard-packed earth shall be scarefied prior to placement of sod.

SEDIMENT CONTROL NOTES

1) A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (992-2437)
2) All Vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
3) Following initial soil disturbance or redisturbance, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 days as to all other disturbed or graded areas on the project site.
4) All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chaper 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
5) All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) sod (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52.) Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for propur germination and establishment of grasses.
6) 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
7) Site Analysis:

Total Area of Site	9.252	Acres
Area Disturbed	9.20	Acres
Area to be roofed or paved	6.87	Acres
Area to be vegetatively stabilized	2.378	Acres
Total Cut	28,000	Cu. yds
Total Fill	26,000	Cu. yds
Offsite waste/borrow area location	N/A	

8) Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
9) Additional sediment control must be provided, if deemed necessary by the Howard County DPW sediment control inspector.
10) 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.
11) If houses are to be constructed on an "As-Sold" basis, at random, Single Lot Sediment Control as shown below shall be implemented.
12) All pipes to be blocked at the end of each day (see detail below).
13) The total amount of straw bale dikes/silt fence equals 10,940 L.F.

GENERAL NOTES

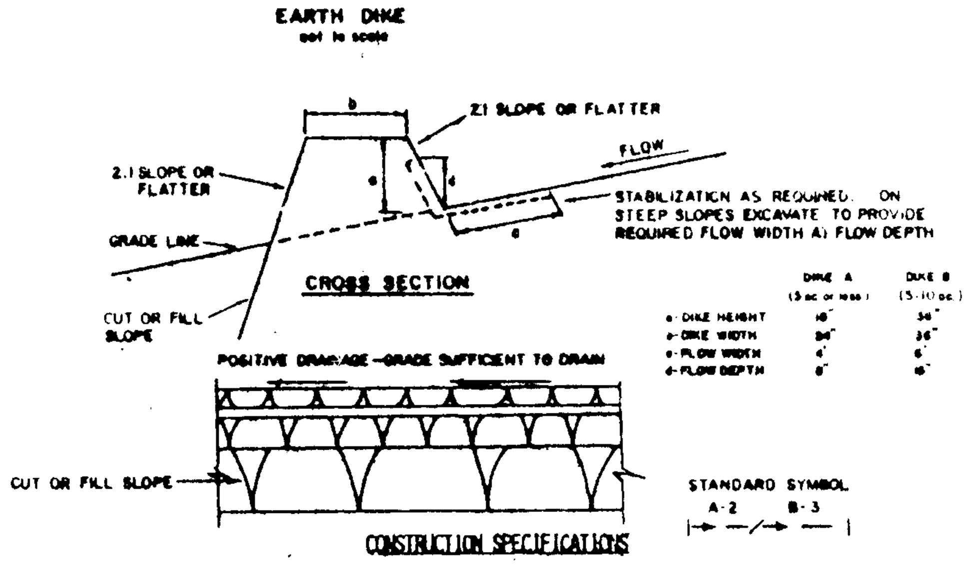
1) Refer to "1983 Maryland Standards and Specifications for Soil Erosion and Sediment Control for standard details and detailed specifications of each practice specified herein.
2) With the approval of the sediment control inspector, minor field adjustments can and will be made to insure the control of any sediment. Changes in sediment control practices require prior approval of the sediment control inspector and the County Soil Conservation District.
3) At the end of each working day, all sediment control practices will be inspected and left in operational condition.
4) Following initial soil disturbance or redisturbance, permanent or temporary stabilization shall be completed within: a.) seven calendar days as to the surface of all perimeter controls, dikes, swales, ditches, perimeter slopes, and all slopes greater than 3 horizontal to 1 vertical (3:1) and b.) fourteen days as to all other disturbed or graded areas on the project site.
5) Any change to the grading proposed on this plan requires re-submission to County Soil Conservation District for approval.
6) Dust control will be provided for all disturbed areas. Refer to 1983 Maryland Standards and Specifications for Soil Erosion and Sediment Control, pp 6201 and 62.02 for acceptable methods and specifications for dust control.
7) Any variation from the sequence of operations stated on this plan requires the approval of the sediment control inspector and the County Soil Conservation District prior to the initiation of the change.
8) Excess cut or borrow material shall go to or come from, respectively, a site with an approved sediment control plan.

The following item may be used as applicable:

9) Refer to "Maryland's Guidelines to Waterway Construction" by the Water Resources Administration (WRA), dated January, 1986 for standard details and detailed specifications of each practice specified herein for waterway construction.

EARTH DIKE

not to scale



	DIKE A (5 ac or less)	DIKE B (5-10 ac)
a-DIKE HEIGHT	18"	36"
b-DIKE WIDTH	24"	36"
c-FLOW WIDTH	4'	6'
d-FLOW DEPTH	8"	15"

CONSTRUCTION SPECIFICATIONS

1. ALL DIKES SHALL BE COMPACTED BY EARTH-MOVING EQUIPMENT.
2. ALL DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
3. TOP WIDTH MAY BE WIDER AND SIDE SLOPES MAY BE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
4. FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SAFE OUTLET.
5. EARTH DIKES 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 WHERE EITHER THE DIKE CHANNEL OR THE DRAINAGE AREA ABOVE THE DIKE ARE NOT ADEQUATELY STABILIZED.
6. STABILIZATION SHALL BE: (A) IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND STRAW MULCH OR STRAW MULCH IF NOT IN SEEDING SEASON, (B) FLOW CHANNEL AS PER THE CHART BELOW,

FLOW CHANNEL STABILIZATION

TYPE OF TREATMENT	CHANNEL GRADE	DIKE A	DIKE B
1	.5-3.0%	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1-5.0%	SEED AND STRAW MULCH	SEED USING JUTE, OR EXCELSIOR; SOD; 2" STONE
3	5.1-8.0%	SEED WITH JUTE, OR SOD; 2" STONE	LINED RIP-RAP 4-8"
4	8.1-20%	LINED RIP-RAP 4-8"	ENGINEERING DESIGN

A. STONE TO BE 2 INCH STONE, OR RECYCLED CONCRETE EQUIVALENT, IN A LAYER AT LEAST 3 INCHES IN THICKNESS AND BE PRESSED INTO THE SOIL WITH CONSTRUCTION EQUIPMENT.
B. RIP-RAP TO BE 4-8 INCHES IN A LAYER AT LEAST 8 INCHES THICKNESS AND PRESSED INTO THE SOIL.
C. APPROVED EQUIVALENTS CAN BE SUBSTITUTED FOR ANY OF THE ABOVE MATERIALS.
7. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

EARTH DIKE

NO SCALE

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

[signature] 3-8-90

COUNTY HEALTH OFFICER — DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

[signature] 3.30.90

DIRECTOR — DATE

[signature] 4/2/13.

CHIEF DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT — DATE

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

[signature] 3/1/90

DIRECTOR — DATE

[signature] 2-23-90

CHIEF BUREAU OF ENGINEERING — DATE

Reviewed for HOWARD SCD (Name) and meets technical requirements

[signature] Signature — Date 2/2/90

U.S. SOIL CONSERVATION SERVICE

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

[signature] Approved — 2/20/90 Date

DEVELOPER'S/BUILDER'S CERTIFICATE

I WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPT 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 COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY

Jacqueline Gainman 2-7-90

DEVELOPER/BUILDER — DATE

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[signature] 2-9-90

DATE

SEDGHI & ASSOCIATES, LTD

Civil Engineers · Site Planners · Surveyors

3217 Corporate Court
Ellicott City, MD 21043
(301) 750-9003

DESIGNED	SEDIMENT CONTROL DETAIL	SCALE
VS	**MARYLAND WHOLESALE FOOD CENTER**	AS SHOWN
DRAWN	SECTION 3, BLOCK A, PLAT NO. 8722	DRAWING NO.
VS	PARCEL D, TAX MAP 43	
CHECKED	6TH ELECTION DISTRICT	JOB NO.
MS	HOWARD COUNTY, MARYLAND	
DATE	OWNER: J. MARK CONSTRUCTION CO. INC. P.O. BOX 1921 APPLETON, WISCONSIN 54913	FILE NO.
2-9-90		

SDP 89-223