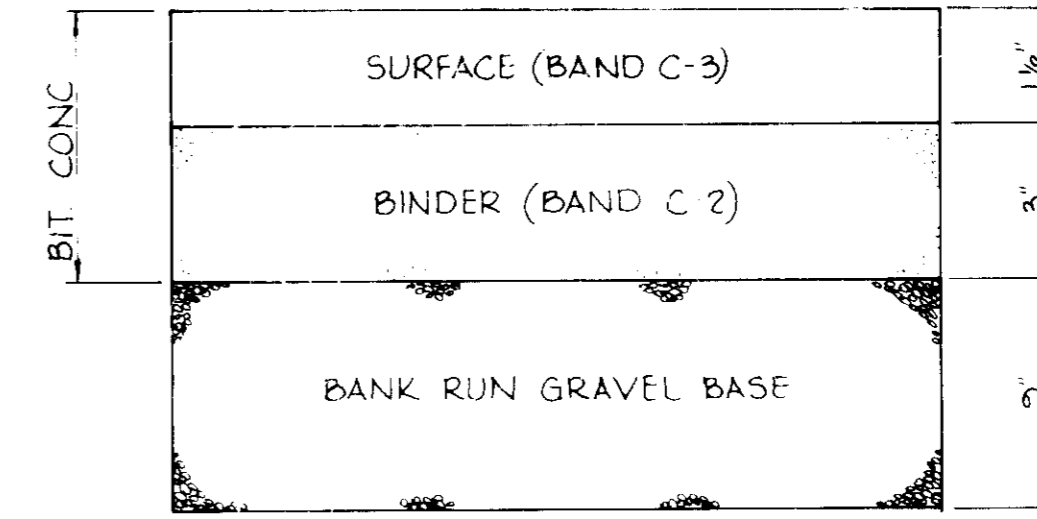


STRUCTURE SCHEDULE					
NO.	TYPE	REMARKS	INV. IN	INV. OUT	TOP ELEV.
1-1	DBL. 15" GRATE	H.C. STD. D-99, PG. 154	-	320.75	323.75

PAVING NOTES  
 1. THE BASE WILL BE PRIMED IN ACCORDANCE WITH SECTION C-30-3 AS PROVIDED IN THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATIONS  
 2. A TACK COAT IS REQUIRED IN ACCORDANCE WITH SECTION C-31-2 OF THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATIONS  
 3. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATIONS



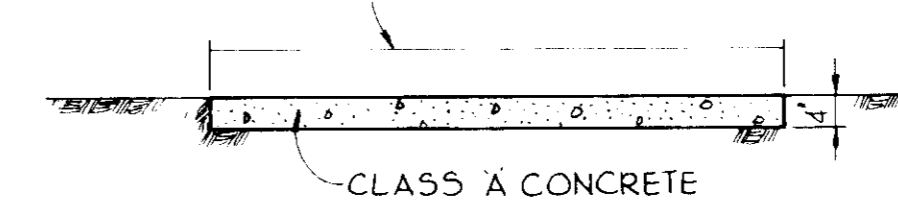
\* SEE PAVING NOTES ABOVE

ITEM	SEC
CLEARING AND GRUBBING	C-1
SUBGRADE	C-2
BASE COURSE	C-25
BINDER COURSE	C-31 OR 35
SURFACE COURSE	C-31

**1 1/2" PAVING**

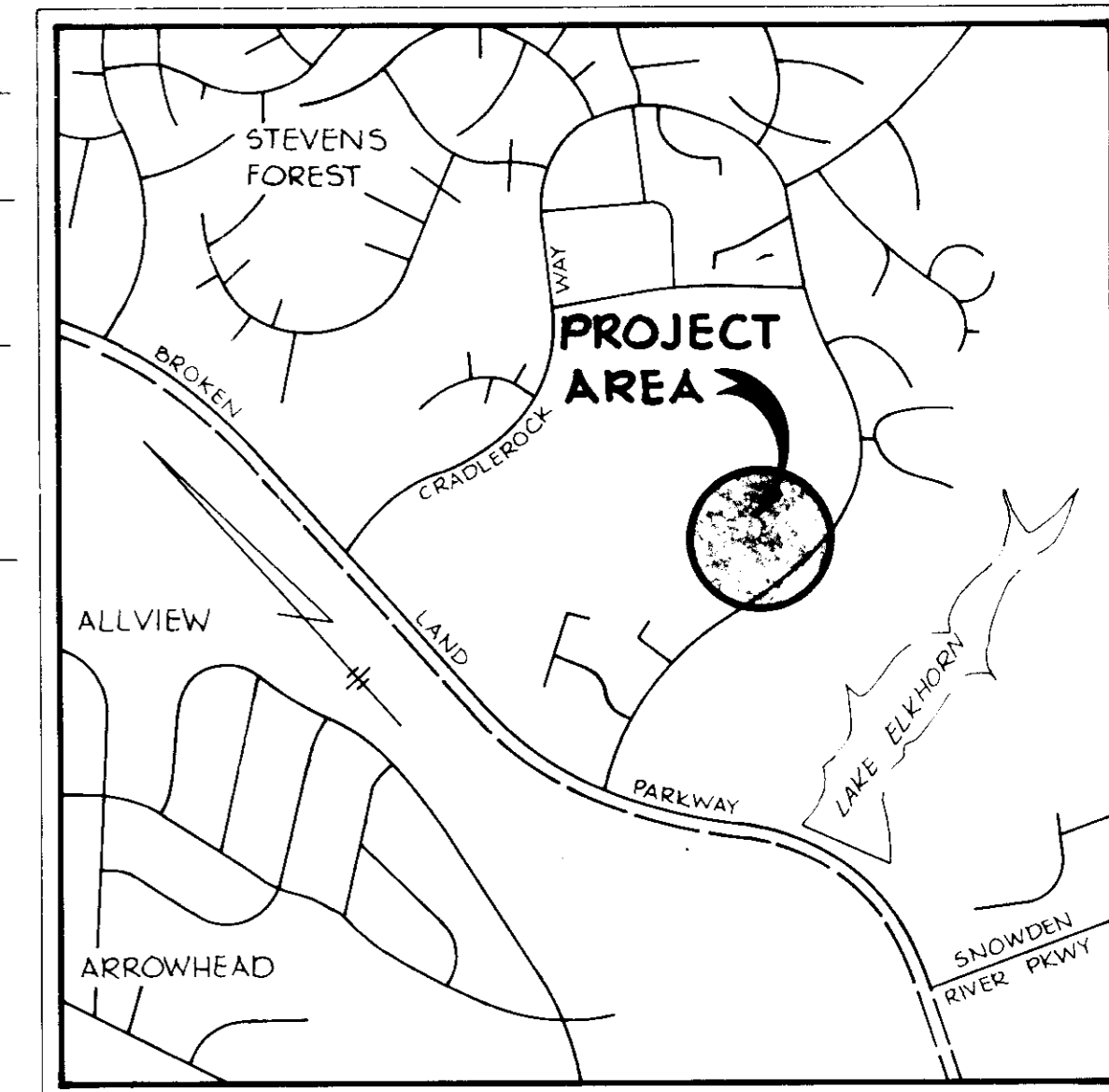
No Scale

4' WIDE UNLESS OTHERWISE NOTED



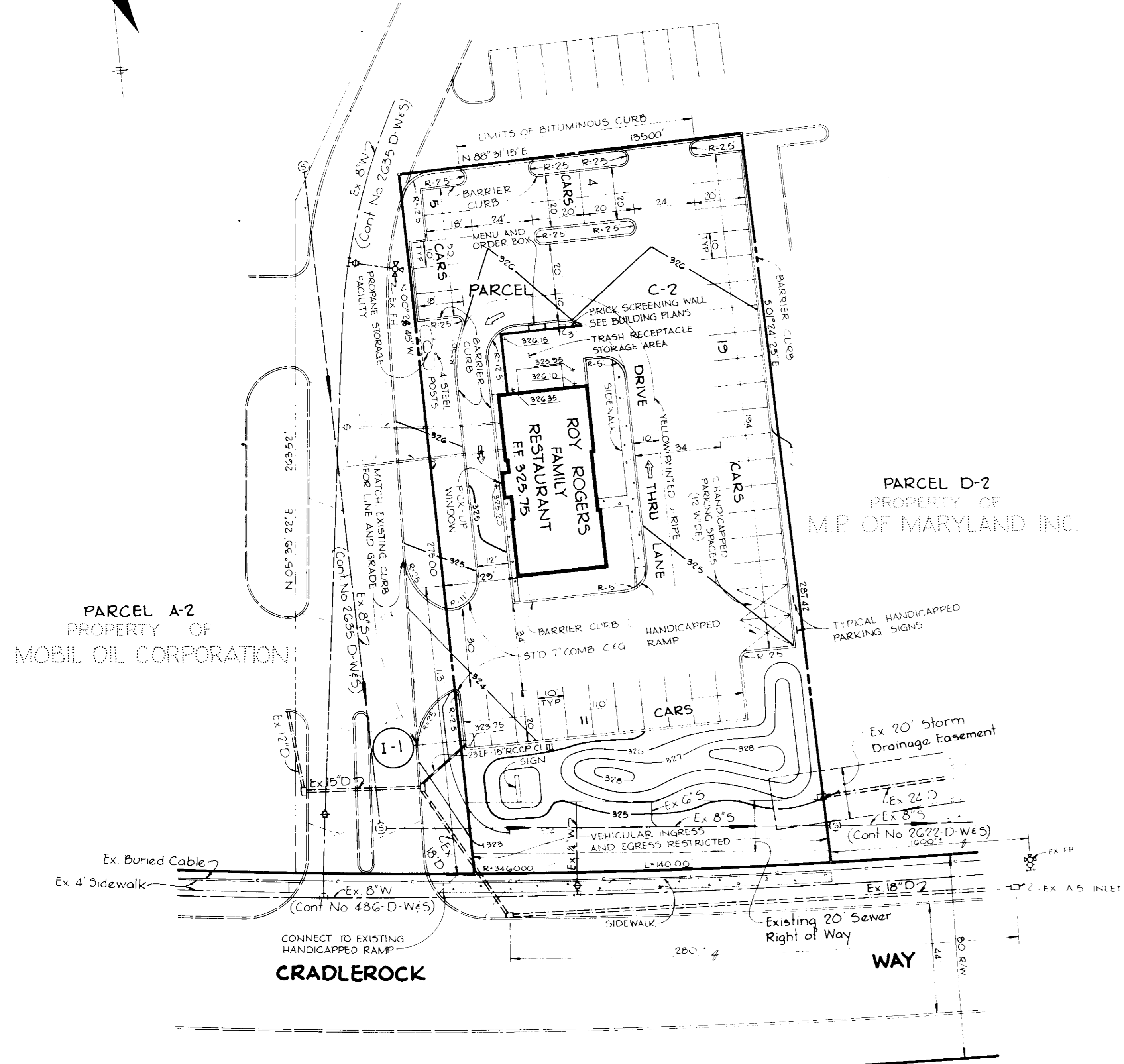
**SIDEWALK DETAIL**

No Scale



**VICINITY MAP**

Scale: 1"=1000'

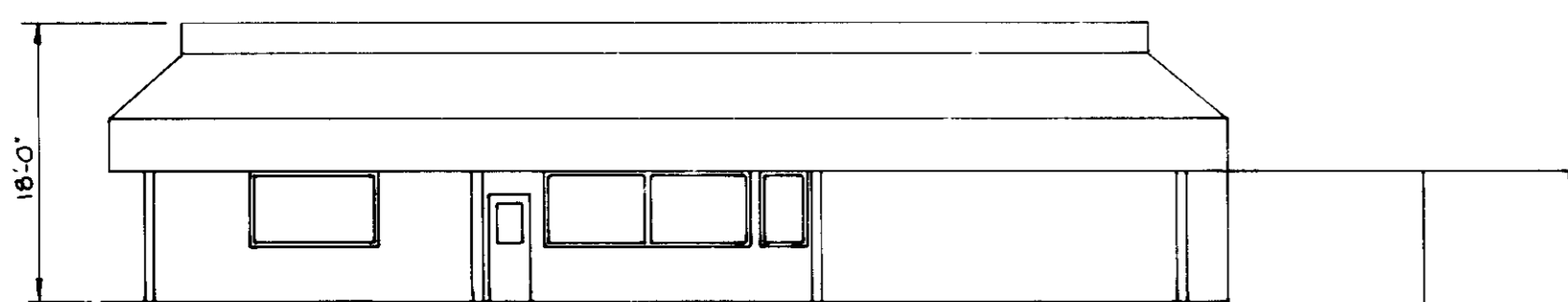


**PLAN**

Scale 1"=30'

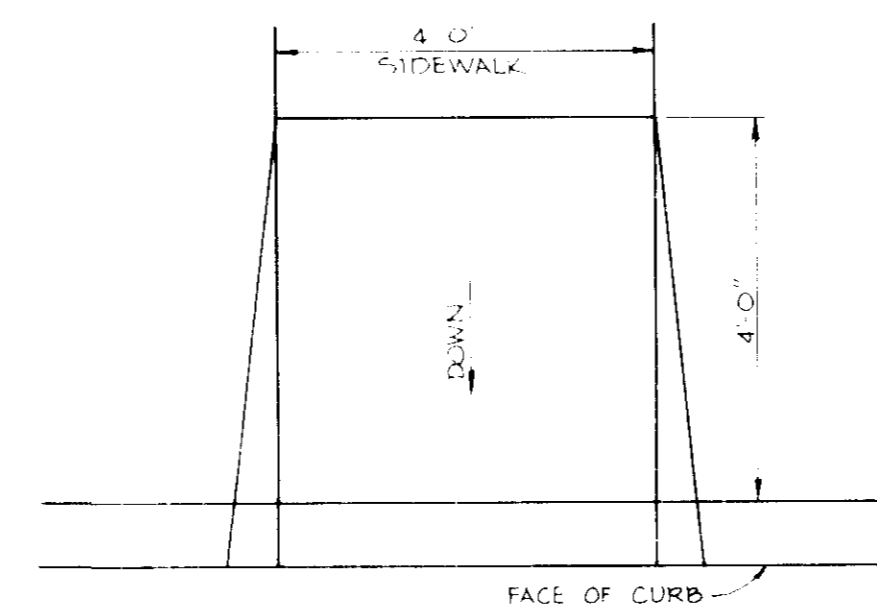
**SITE ANALYSIS**

- ZONING: NEW TOWN (EMPLOYMENT CENTER COMMERCIAL).
- AREA: 0.888 ACRES.
- NO. OF PARKING SPACES PROVIDED: 39
- NO. OF PARKING SPACES REQUIRED: 37 (96 PATRONS = 32 SPACES, 10 EMPLOYEES = 5 SPACES, TOTAL = 37 SPACES)
- MAXIMUM BUILDING COVERAGE PERMITTED: NONE REQUIRED.
- BUILDING COVERAGE SHOWN: (7% = 2610 SF).
- TOPOGRAPHY AND BOUNDARY COMPILED FROM EXISTING DATA
- PARCEL C-2 IS RECORDED IN PLAT 4002.
- PARCEL C-2 IS LOCATED ON TAX MAP NO. 36 PARCEL 386.
- PUBLIC WATER AND SEWER TO BE UTILIZED.
- ALL BUILDING SETBACK RESTRICTIONS TO BE COMPLIED WITH THOSE SET FORTH IN FINAL DEVELOPMENT PLAN PHASE 150A RECORDED IN PLAT BOOK 28, FOLIO'S 132, 133
- ALL ROADWAYS AND PARKING TO BE PRIVATELY OWNED AND MAINTAINED.
- INSTALLATION OF ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE 1971 EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

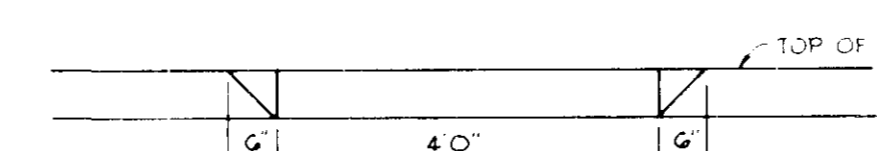


**RIGHT SIDE ELEVATION**

No Scale



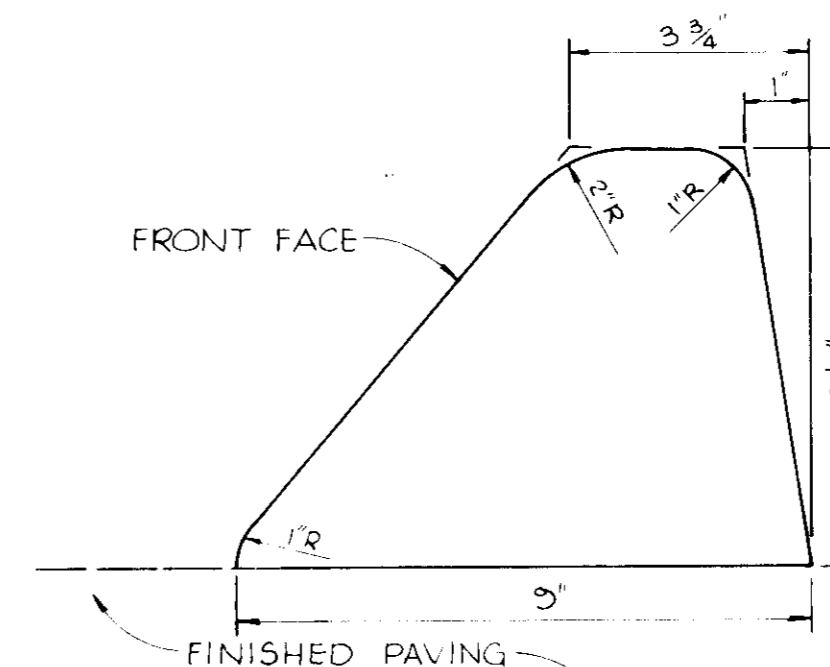
**PLAN**



**ELEVATION**

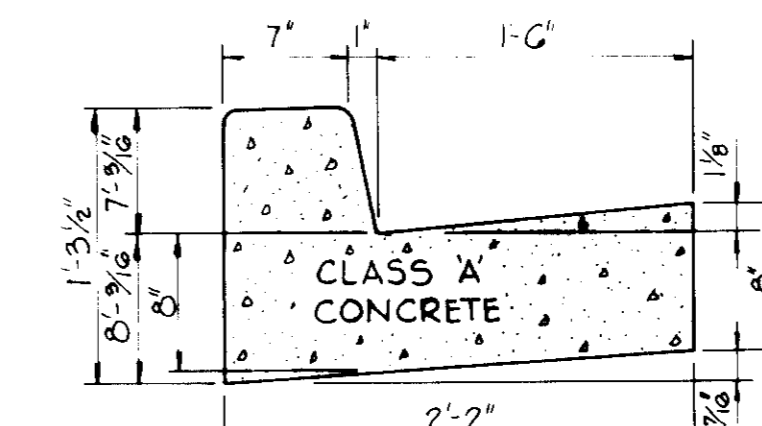
**TYPICAL HANDICAPPED RAMP**

No Scale



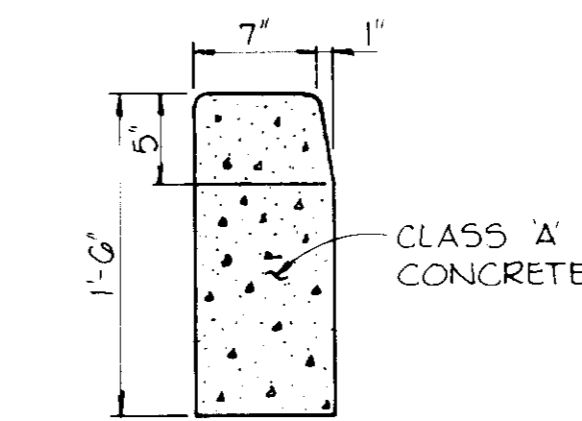
**BITUMINOUS CURB**

No Scale



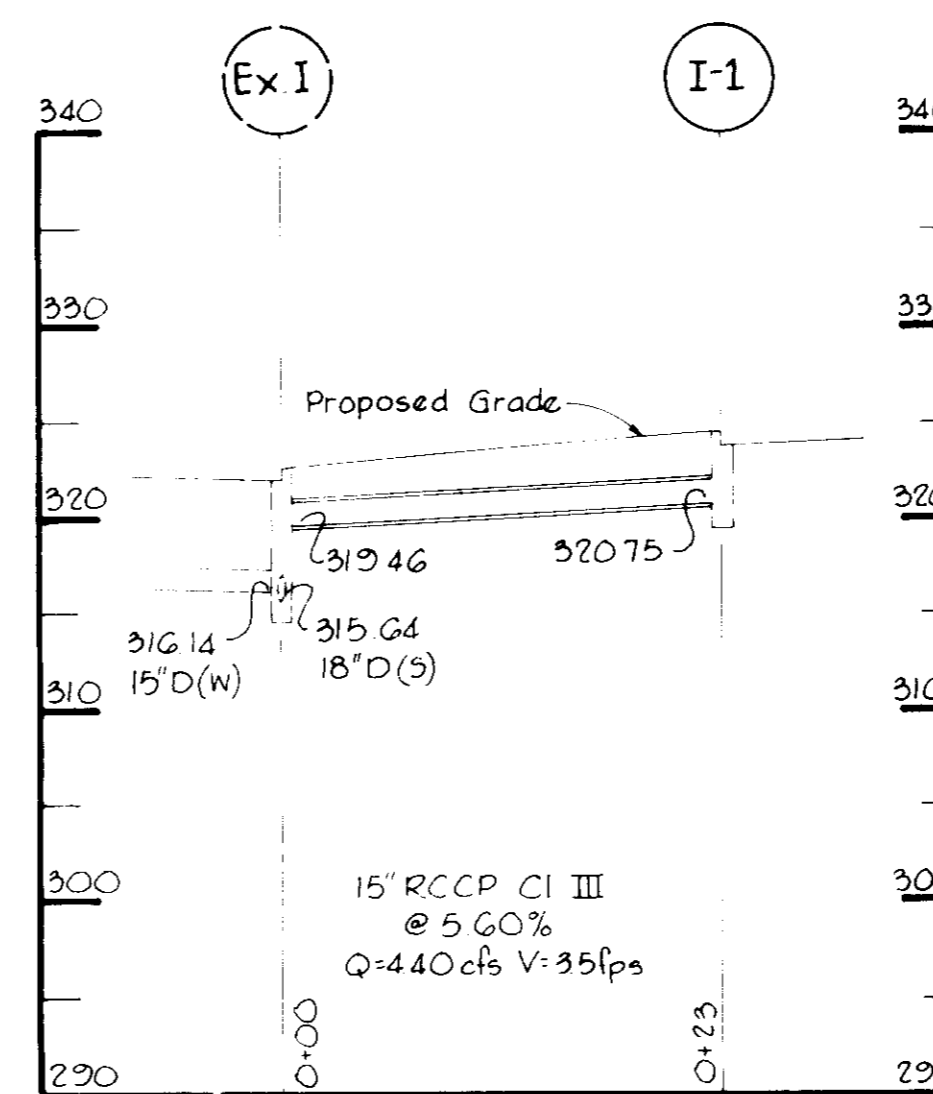
**STANDARD 7' COMBINATION CURB AND GUTTER**

No Scale



**STANDARD BARRIER CURB**

No Scale



**PROFILE**

Scale H 1"=10', V 1"=10'

1-17-79

2-1-79

Date



Professional Engr. No. 946

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

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

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

Date	No.	Revision Description
		OWNER

HOWARD RESEARCH AND DEVELOPMENT CORP.  
 THE ROUSE COMPANY  
 COLUMBIA, MARYLAND 21044

DEVELOPER  
 MARRIOTT CORPORATION  
 5161 RIVER ROAD  
 WASHINGTON, D.C. 20058

ROY ROGERS RESTAURANT  
 6th Election District - Howard County, Maryland

CENTURY ENGINEERING, INC.  
 CONSULTING ENGINEERS - PLANNERS  
 TOWSON, MARYLAND 21204

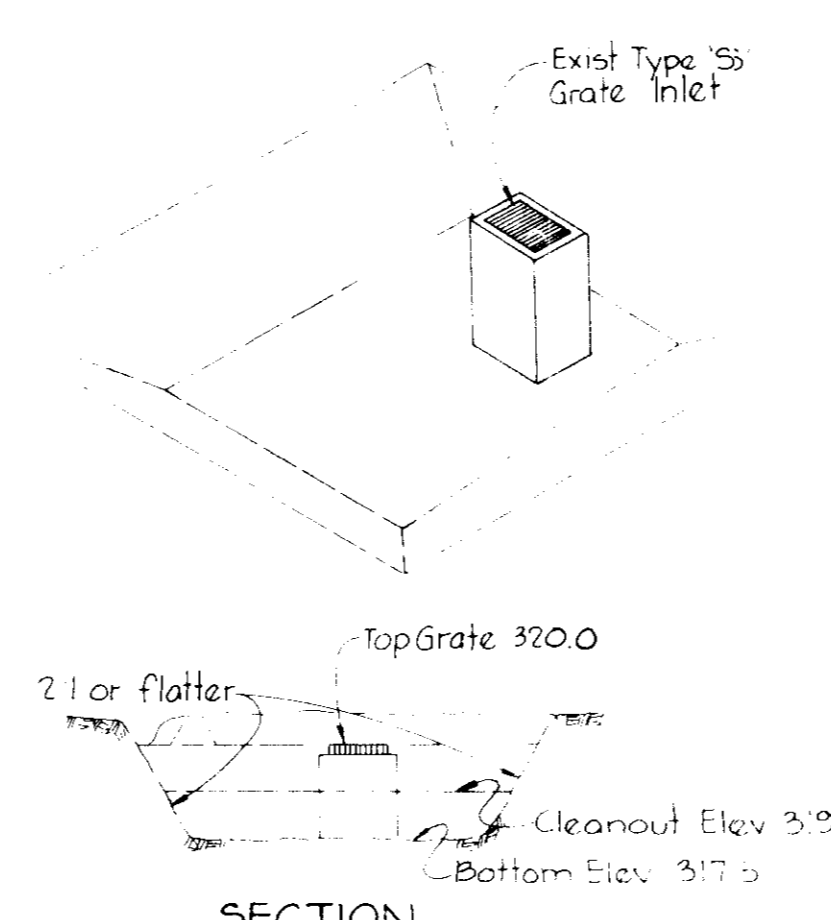
AREA  
 VILLAGE OF OWEN BROWN  
 Section 1, Area 3  
 PARCEL "C-2"

TITLE  
 SITE DEVELOPMENT PLAN AND DETAILS

Des By	J.K.T.	Scale	AS SHOWN	Proj No	B-678
Drn By	R.J.W.	Date	12/13/78	Drawing No.	1 OF 2
Chk By	J.K.T.	Approved			

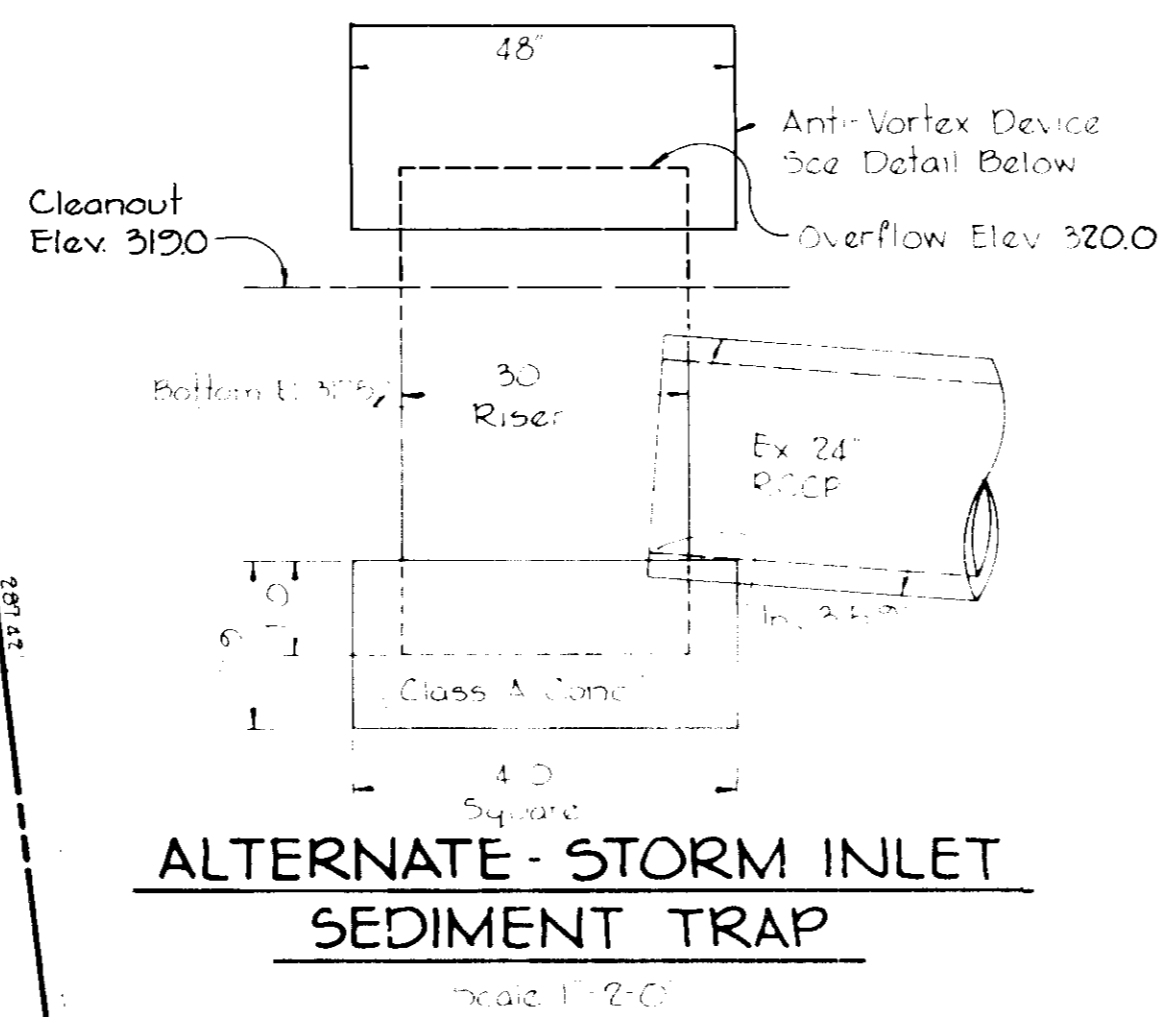
SDP-79-54c

**\* STORM INLET SEDIMENT TRAP**  
 Drainage Area = 4.4 Ac  
 Storage Required = 4.4 Ac x 0.7 = 295 CY  
 Storage Provided = 320 CY  
 Top Dike Elev = 321.0  
 Dimensions  
 L = 120'  
 W = 110'  
 D = 25' at deepest point

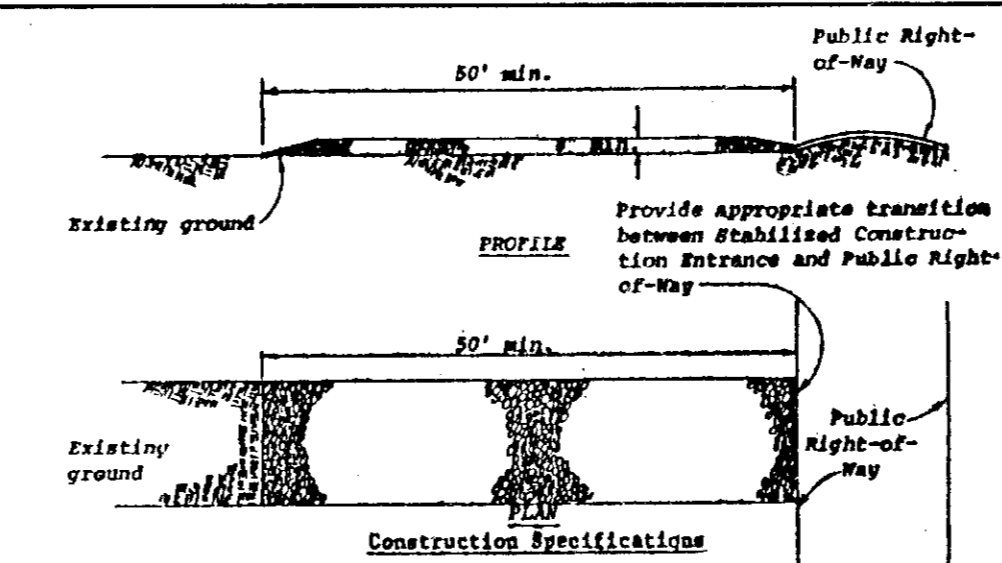


**EXISTING STORM INLET SEDIMENT TRAP \***  
 No Scale

\* For Details and Notes of Existing Storm Inlet Sediment Trap See Grading, Sediment and Erosion Control Plan Drawing No 1 of 1 by Fisher, Collins and Carter, Inc. Date 8-22-78 File No. GP-7910

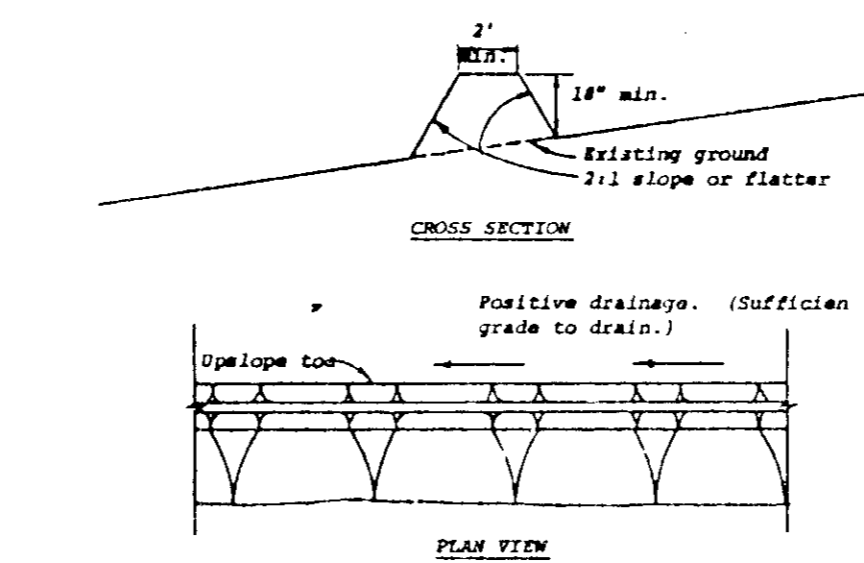


**ALTERNATE - STORM INLET SEDIMENT TRAP**  
 Scale 1/2\"/>



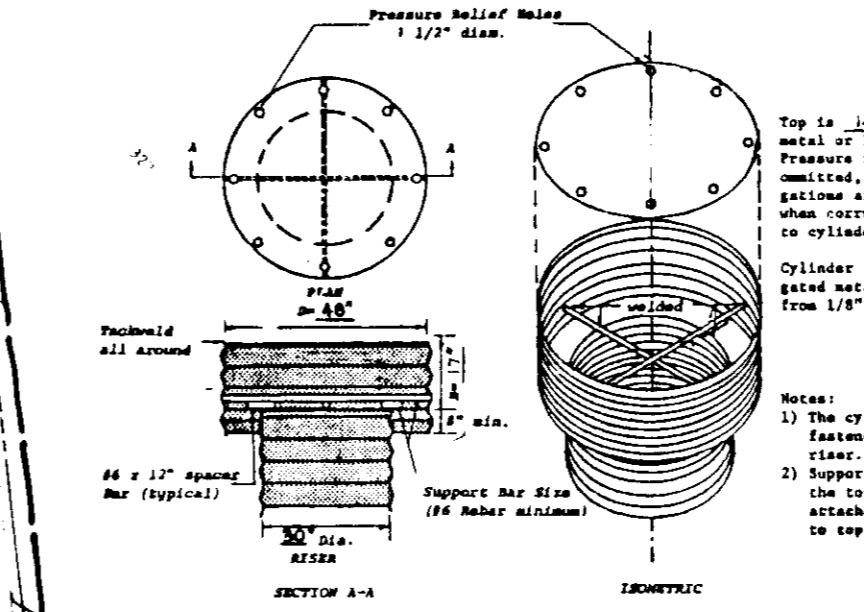
- Construction Specifications**
1. Stone size - Use MSMA size No. 2 (2-1/2" to 1") or AASHTO designation M43, size No. 2 (2-1/2" to 1-1/2"). Use crushed stone.
  2. Length - As effective, but not less than 50 feet.
  3. Thickness - Not less than eight (8) inches.
  4. Width - Not less than full width of all points of ingress or egress.
  5. 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.
  6. 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 cleanout of any material used by trap sediment. All sediment spilled, dropped, washed or tracked onto public right-of-way must be removed immediately.

**STABILIZED CONSTRUCTION ENTRANCE**  
 No Scale

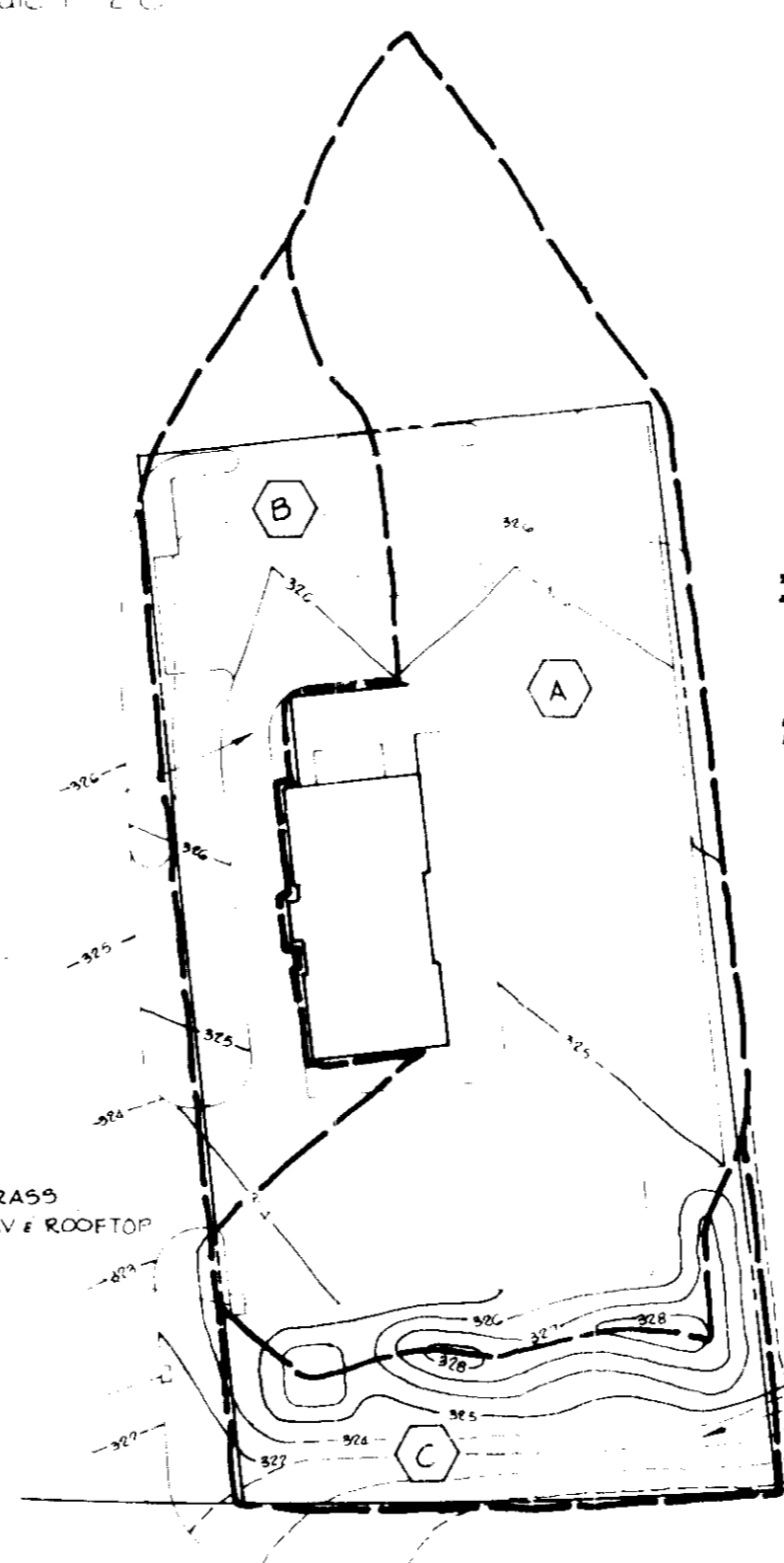


- Construction Specifications**
1. All dikes shall be machine compacted.
  2. All perimeter dikes shall have positive drainage to an outlet.
  3. A. Diverted runoff from a protected or stabilized upland area shall outlet directly onto an undisturbed stabilized area or into a levee, spreader or grade stabilization structure.
  3. B. Diverted runoff from a disturbed or exposed upland area shall be conveyed to a sediment trapping device such as a sediment trap or a sediment basin or to an area protected by any of these practices.
  4. Stabilizations, when required, shall be done in accordance with Standards and Specifications for Gravel Roadway. The minimum area to be stabilized shall be the channel flow area.
  5. Periodic inspection and required maintenance shall be provided.

**PERIMETER DIKE**  
 No Scale



**ANTI - VORTEX DEVICE**  
 No Scale



**DRAINAGE AREA MAP**  
 Scale 1\"/>

**SETTIMENT CONTROL CONSTRUCTION NOTES**  
 GENERAL NOTES

1. A MINIMUM 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (922-2070).
2. ALL SEDIMENT CONTROL STRUCTURES WILL BE INSTALLED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS AS PREPARED BY THE U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE.
3. SITE GRADING WILL BEGIN ONLY AFTER ALL PERIMETER SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED AND ARE IN A FUNCTIONING CONDITION.
4. ALL DISTURBED AREAS ARE TO BE DRESSED AND STABILIZED ACCORDING TO THE TEMPORARY OR PERMANENT SEEDING SCHEDULES AS SOON AS PROPER WEATHER CONDITIONS EXIST FOR THE ESTABLISHMENT OF A PERMANENT VEGETATIVE COVER.
5. SEDIMENT WILL BE REMOVED FROM TRAP WHEN THE DEPTH REACHES THE CLEAN OUT ELEVATION SHOWN ON THE PLANS.
6. FERTILIZER AND LIME RATES MAY BE CHANGED THROUGH AUTHORIZATION BY THE HOWARD SOIL CONSERVATION DISTRICT IF SOIL TESTS DETERMINE A REDUCTION IN THE SPECIFIED RATES IS JUSTIFIED.
7. ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
8. REFERENCES CALLED FOR ON THE SEDIMENT CONTROL CONSTRUCTION PLAN AND DETAILS ARE MADE TO THE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS.

**TEMPORARY SEEDING**

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

**PERMANENT SEEDING**

- FINAL STABILIZATION WILL TAKE PLACE AS SOON AS POSSIBLE AS WEATHER CONDITIONS PERMIT, AS FOLLOWS:
- A. APPLY DOLOMITIC LIMESTONE AT THE RATE OF 2 TONS. PER ACRE (ONE TON. PER ACRE IF APPLICATION OF 10N. PER ACRE WAS MADE FOR TEMPORARY SEEDING).
  - B. APPLY 10-20-20 FERTILIZER AT THE RATE OF 600 LBS. PER ACRE. HARRON 0-15-0 LIME AND 0-20-20 FERTILIZER INTO THE SOIL TO A MINIMUM DEPTH OF 3 INCHES OR HIGH MAINTENANCE AREAS WILL BE DRAGGED AND LEVELLED WITH A YORK BEAR. AT THE TIME OF SEEDING APPLY 400 POUNDS OF 48-0-0 UREAFORM FERTILIZER AND 500 LBS. OF 0-20-20 OR EQUIVALENT FERTILIZER PER ACRE.
  - C. SEED WITH A MIXTURE OF CERTIFIED MERION KENTUCKY BLUEGRASS 40 LBS. PER ACRE, COMMON KENTUCKY BLUEGRASS 40 LBS. PER ACRE, RYE FESCUE PENNSYLVANIAN OR JAMESTOWN 20 LBS. PER ACRE.
  - D. MULCH WITH UNWEATHERED SMALL GRAIN STRAW AT THE RATE OF 1 1/2 TO 2 TONS. PER ACRE AND ANCHOR WITH A CUTBACK ASPHALT OR EMULSIFIED ASPHALT AT THE RATE OF 5 GAL. PER 1000 SQ. FT.
  - E. SEED ALL SLOPES WITH A MIXTURE OF CERTIFIED KENTUCKY 3L TALL FESCUE 50 LBS. PER ACRE AND INOCULATED KOREAN LESPEDEZA 15 LBS. PER ACRE.

**SEQUENCE OF CONSTRUCTION**

1. OBTAIN A GRADING PERMIT.
2. INSTALL STABILIZED CONSTRUCTION ENTRANCE.
3. INSTALL TEMPORARY RIVER PIPE WITH ANTI-VORTEX DEVICE IF TYPE 'S' GRATE INLET IS NOT EXISTING.
4. INSTALL PERIMETER DIKES AND SEED PER TEMPORARY SEEDING NOTES.
5. BEGIN ROUGH GRADING OPERATION AND SEED PER TEMPORARY SEEDING NOTES.
6. UPON APPROVAL, INSTALL STORM DRAINAGE SYSTEM, WATER AND SEWER.
7. BACKFILL SHALL BE STABILIZED PER SEEDING NOTES AS SOON AS WEATHER PERMITS.
8. FINISH GRADE DRIVEWAYS AND PLACE CURB AND GUTTER.
9. PAVE ROADWAY.
10. UPON APPROVAL FROM THE HOWARD COUNTY S.C.S., REMOVE SEDIMENT CONTROL DEVICES, BACKFILL TRAP AND STABILIZE PER SEEDING NOTES.

**SITE ANALYSIS**

SITE AREA	0.89 AC.
DISTURBED AREAS	0.89 AC.
IMPERVIOUS AREA	0.61 AC.
AREA TO BE PERMANENTLY REVEGETATED	0.28 AC.

1-17-79

3/9/79 Date  
 Albert R. Plett Professional Engr. No. 5407

**CERTIFICATION BY THE DEVELOPER:**  
 "I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS OF DEVELOPMENT AND PLANS FOR PONDS AND 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". DEVIATION FROM THIS PLAN WILL NOT BE MADE UNLESS AUTHORIZED BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 Joseph H. Wohlmutz 3-13-79  
 DEVELOPER - JOSEPH H. WOHLMUTZ DATE

**CERTIFICATION BY THE ENGINEER:**  
 "I CERTIFY THAT THIS PLAN FOR PONDS, 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".  
 Albert R. Plett 3/9/79  
 ENGINEER - ALBERT R. PLETT DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.  
 C. Wayne Ray 3/20/79  
 U.S. SOIL CONSERVATION SERVICE DATE

THESE PLANS FOR SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.  
 APPROVED: Robert S. Selman 3/20/79  
 HOWARD S.C.S. DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC ROADS.  
 APPROVED: [Signature] DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.  
 APPROVED: [Signature] DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT.  
 APPROVED: [Signature] 4-2-79  
 HEALTH OFFICER DATE

Date	No.	Revision Description

OWNER  
 HOWARD RESEARCH AND DEVELOPMENT CORP.  
 THE ROUSE COMPANY  
 COLUMBIA, MARYLAND 21044

DEVELOPER  
 MARRIOTT CORPORATION  
 5161 RIVER ROAD  
 WASHINGTON, D.C. 20556

ROY ROGERS RESTAURANT  
 6th Election District - Howard County, Maryland

**CENTURY ENGINEERING, INC.**  
 CONSULTING ENGINEERS - PLANNERS  
 TOWSON, MARYLAND 21284

AREA  
 VILLAGE OF DWEN BROWN  
 Section 1, Area 3  
 PARCEL "C-2"

TITLE  
 DRAINAGE AREA MAP, LANDSCAPING AND SEDIMENT CONTROL PLANS, PROFILES

Des By J.K.T. Scale AS SHOWN Proj No 8-678  
 Drn By R.J.W. Date 12/15/78 Drawing No. 2 OF 2  
 Chk By J.K.T. Approved

**PLANT LIST**  
 Scale 1\"/>

KEY No	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
DW 2	Cornus florida	Flowering Dogwood	8'-10' hgt	Full / B&B
CA 7	Malus Kathrine	Kathrine Crabapple	8'-10' hgt	Full / B&B
PO 10	Quercus palustris	Pin Oak	2"-2 1/2"	Full / B&B
AP 7	Pinus nigra	Austrian Pine	5'-6' hgt	B&B
AM 2	Amelanchier canadensis	Juneberry	6'-8' 3' stemmed	B&B
COT 51	Cotoneaster horizontalis	Rockspray Cotoneaster	18"-24"	B&B
DWE 21	Euonymus alatus compacta	Dwarf Winged Euonymus	24"-30"	B&B
JH 14	Ilex crenata	Japanese Holly	30"-36"	B&B
LBP 43	Pyracantha coccinea lowboy	Lowboy Pyracantha	12"-18"	B&B
M 5	Pinus mugho mugus	Mugho Pine	30"-36"	B&B
VT 8	Viburnum tomentosum	Doublefile Viburnum	4'-5'	B&B

DRAWING 44-132-28566

SDP-79-54c