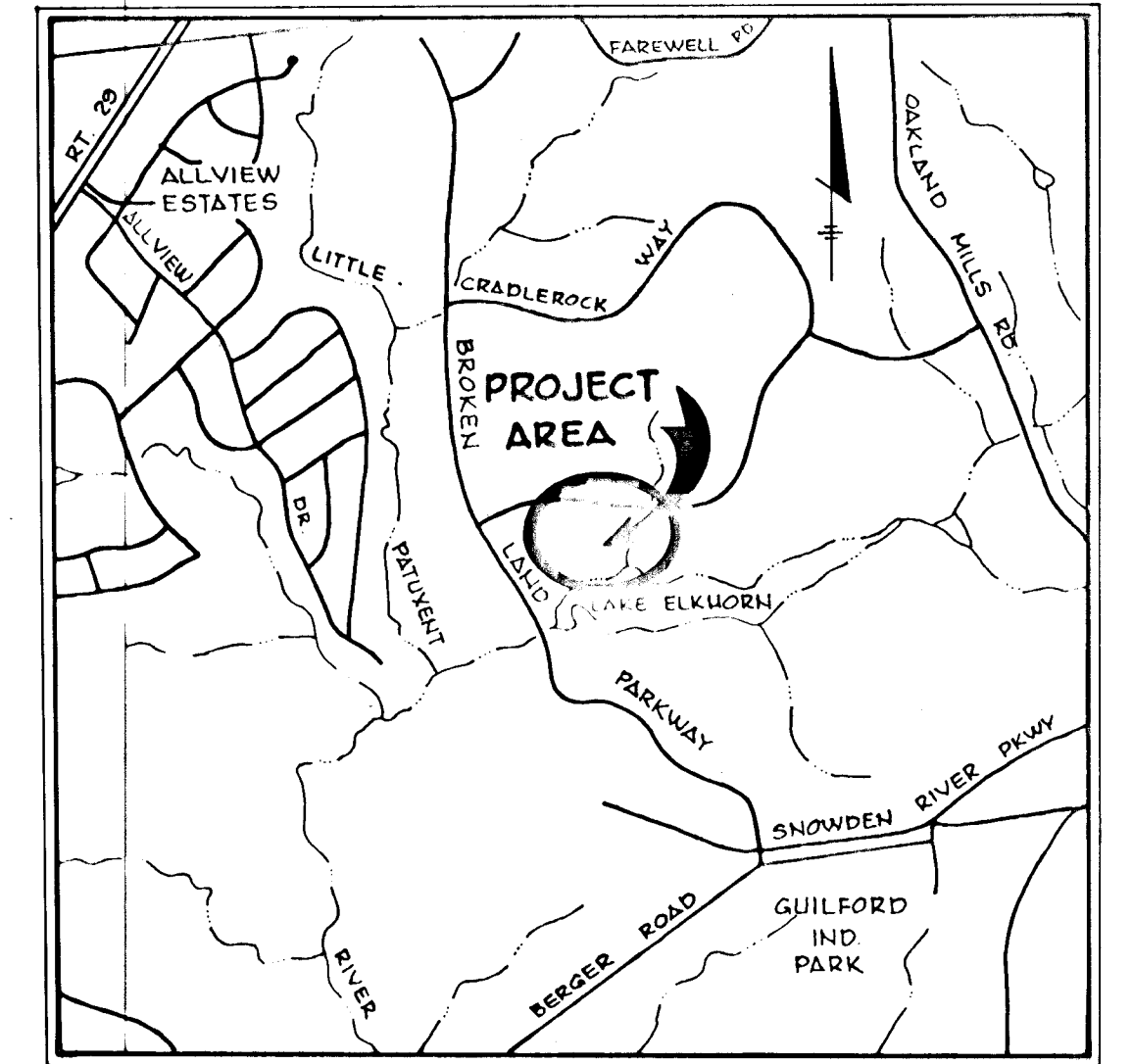


SHEET INDEX	
NO.	DESCRIPTION
1	TITLE SHEET ROAD CONSTRUCTION DRAWINGS
2	DETAIL AND STORM DRAIN PROFILE
3	PLAN AND PROFILE OF DOCKSIDE LANE
4	DRAINAGE AREA MAP
5	SEDIMENT CONTROL PLAN
6	SEDIMENT CONTROL NOTES & DETAILS

ALL DIMENSIONS UNLESS OTHERWISE APPROVED
 SHALL BE IN FEET AND INCHES
 PARTIAL INCHES SHALL BE ROUNDED UP TO THE NEXT
 FULL INCH

ALL DIMENSIONS UNLESS OTHERWISE APPROVED
 SHALL BE IN FEET AND INCHES
 PARTIAL INCHES SHALL BE ROUNDED UP TO THE NEXT
 FULL INCH

DOCKSIDE VILLAGE OF OWEN BROWN SECTION I AREA I 6 TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND



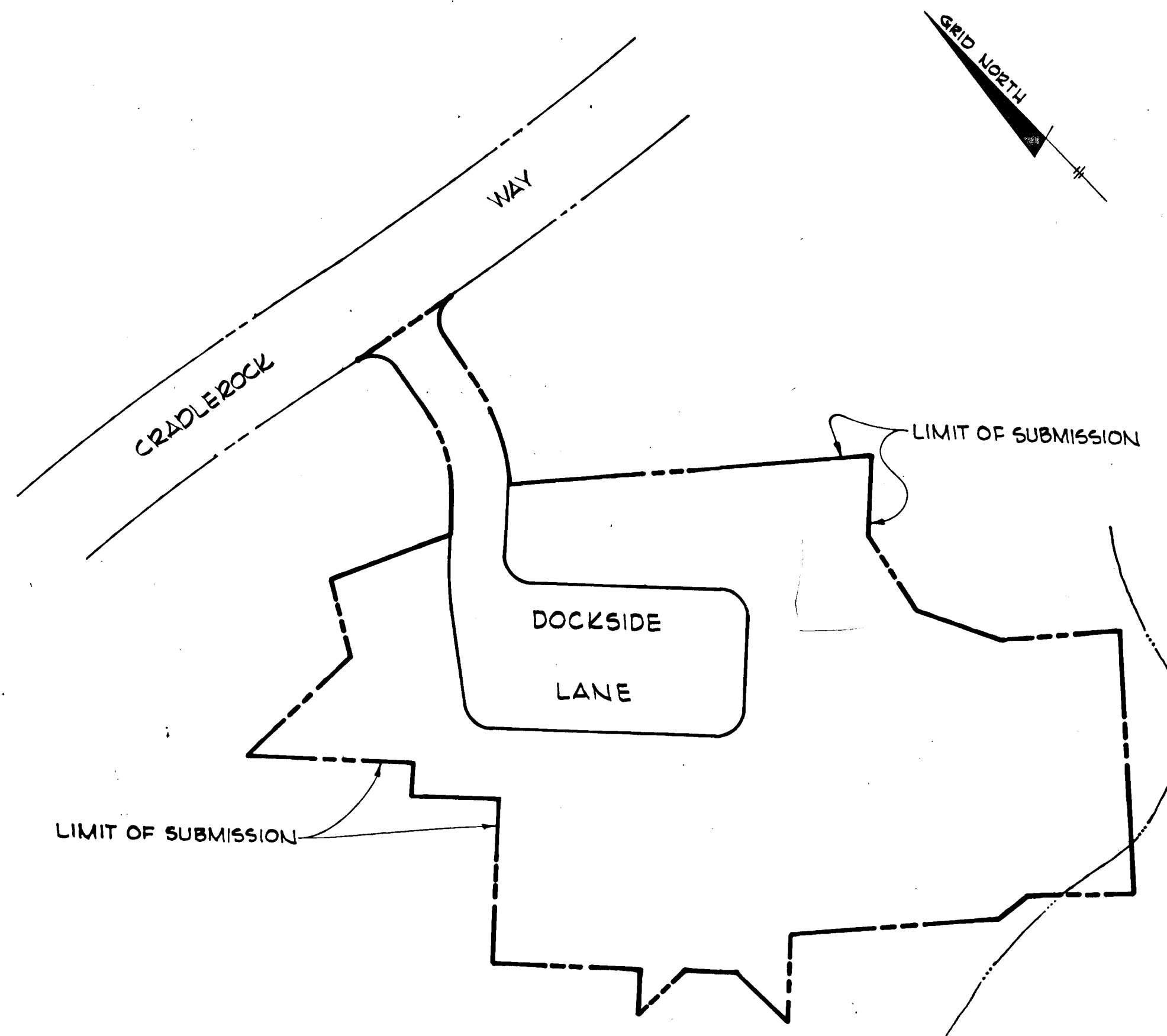
VICINITY MAP
 SCALE: 1"=200'

GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATIONS.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES, WHERE DIRECTED BY THE ENGINEER. A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS.
- CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES AT LEAST THREE DAYS BEFORE STARTING WORK SHOWN ON THIS/THESE DRAWINGS:

BELL TELEPHONE SYSTEM	363-3649
LONG DISTANCE CABLE DIVISION	393-3553 or 3554
BALTO. GAS AND ELECTRIC COMPANY	539-8000 Ext. 691
- ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
- ALL STREET CURB RETURNS SHALL HAVE 35.0' RADIUS UNLESS OTHERWISE NOTED.
- STORM DRAIN TRENCHES WITHIN ROAD RIGHT-OF-WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH HOWARD COUNTY ROAD CODE.
- INSTALLATION OF TRAFFIC CONTROL DEVICES, MARKING, AND SIGNING SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES 1971 EDITION.
- DESIGNED TRAFFIC SPEED IN ACCORDANCE WITH THE AMERICAN ASSOC. OF STATE HIGHWAY OFFICIAL STANDARDS:

ALL 50' R/W's	25 M.P.H.
---------------	-----------
- ALL ELEVATIONS SHOWN ARE BASED ON U.S.C. AND G.S. MEAN SEA LEVEL DATUM 1929.
- ALL FILL AREAS TO BE COMPACTED TO A MINIMUM 95% COMPACTION.
- ALL EXCESS EXCAVATION TO BE TAKEN TO A SITE APPROVED BY THE SOIL CONSERVATION SERVICE OF HOWARD COUNTY, MARYLAND.



LAKE ELKHORN
 ELEV. 295

PLAN
 Scale: 1"=100'

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

Planning Director _____ Date _____
John Marshall 5-30-79
 Chief, Division of Land Development Date

APPROVED: _____ DEPARTMENT OF PUBLIC WORKS.
W. O. P. [Signature] 4-6-79
 Chief, Bureau of Engineering Date

9/3/80 Date No. 1 Rev. Sheet 3 of 6 Added Ramps
 Revision Description

OWNER AND DEVELOPER
 TROUTMAN COMMUNITIES
 Suite 300 - Wilde Lake Village Green
 COLUMBIA, MARYLAND 21044

DOCKSIDE

6th Election District Howard County, Md.


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

AREA
 VILLAGE OF OWEN BROWN - SECTION I, AREA I
 A RESUBDIVISION OF PART OF PARCEL F-3 AND LOT 280
 LOTS F-127 THRU F-181

TITLE
 COVER SHEET, ROAD CONSTRUCTION PLANS

Des By	G.R.K.	Scale	AS SHOWN	Proj No	3378
Drn By	P.S.	Date	12-8-78	Drawing No.	1 OF 6
Chk By	J.K.T.	Approved			

3-1-79
 Date



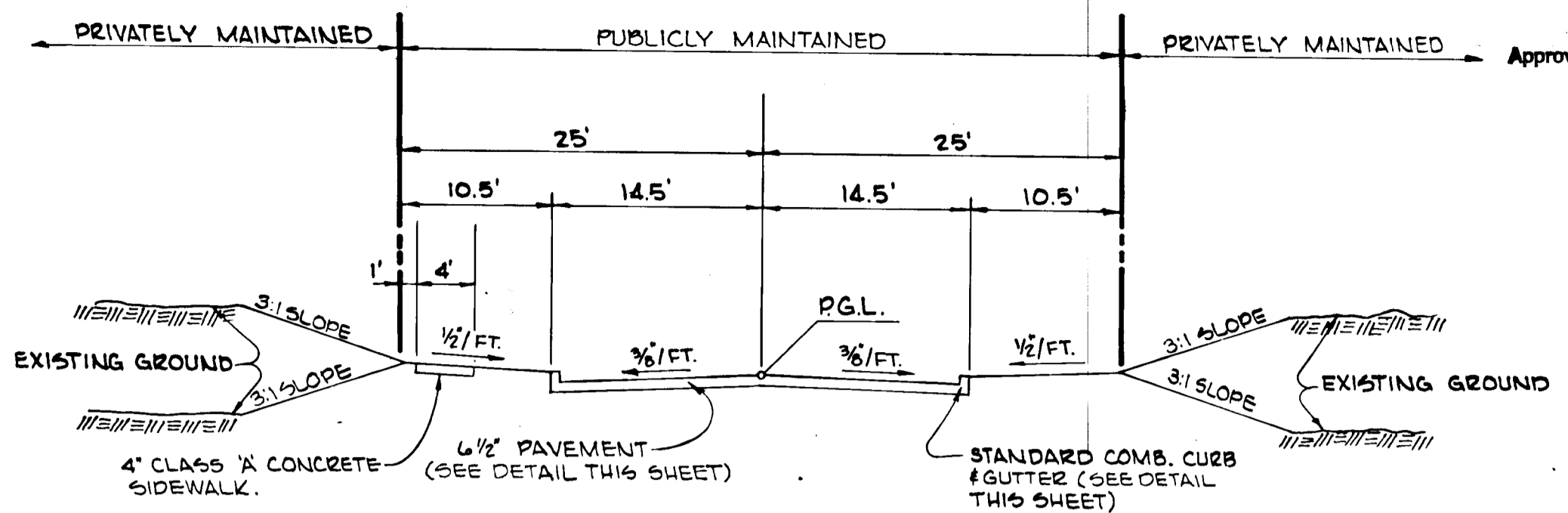
Robert R. Olt
 Professional Engr No 5407

F-79-98
 AS-BUILT MARCH 10, 1983

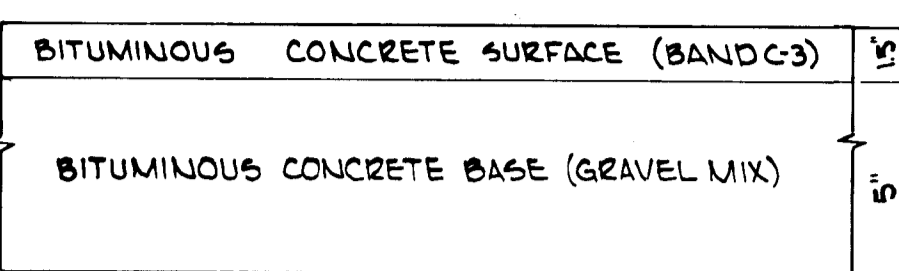
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

Approved *Yes* **EARP** Date **3-29-79**
Howard S.C.D.

Reviewed for **HENRY V. OHEIM** S.C.D.
Name
and meets Technical Requirements
C. Wayne King Date **3/29/79**
Signature
U.S. Soil Conservation Service



DESIGN SPEED 25MPH
NEW TOWN SINGLE FAMILY ATTACHED
DOCKSIDE LANE
TYPICAL SECTION 50' R/W
SCALE: 1"=10'



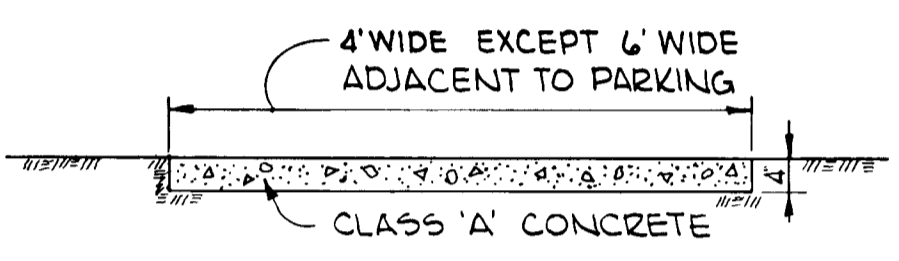
HOWARD COUNTY STANDARD (DRAWING 05, PAGE 60)

CLEARING & GRADING ARTICLE C-1
SUBGRADE ARTICLE C-2
BASE COURSE ARTICLE C-33
SURFACE COURSE ARTICLE C-31

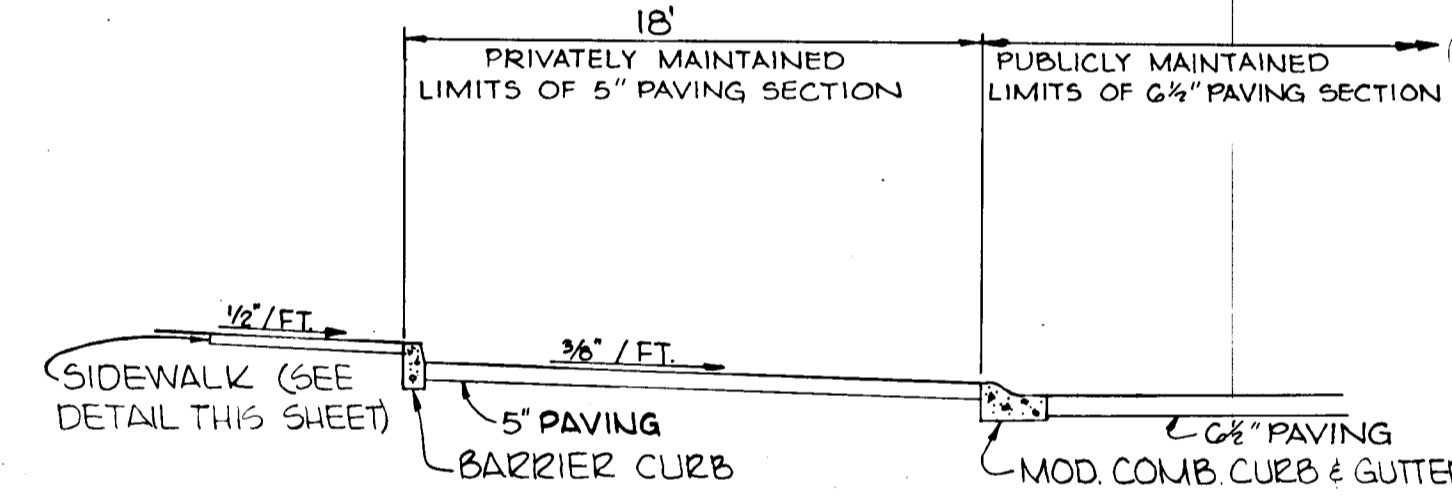
6 1/2" PAVEMENT
(PUBLICLY MAINTAINED AREAS ONLY)

- NOTES
1. A TACK COAT IS REQUIRED IN ACCORDANCE WITH SECTION C-31-4 OF THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND SPECIFICATIONS.
 2. BASE WILL BE PRIME IN ACCORDANCE WITH SECTION C-30-3 OF THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND SPECIFICATIONS.
 3. TO BE CONSTRUCTED IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND SPECIFICATIONS.

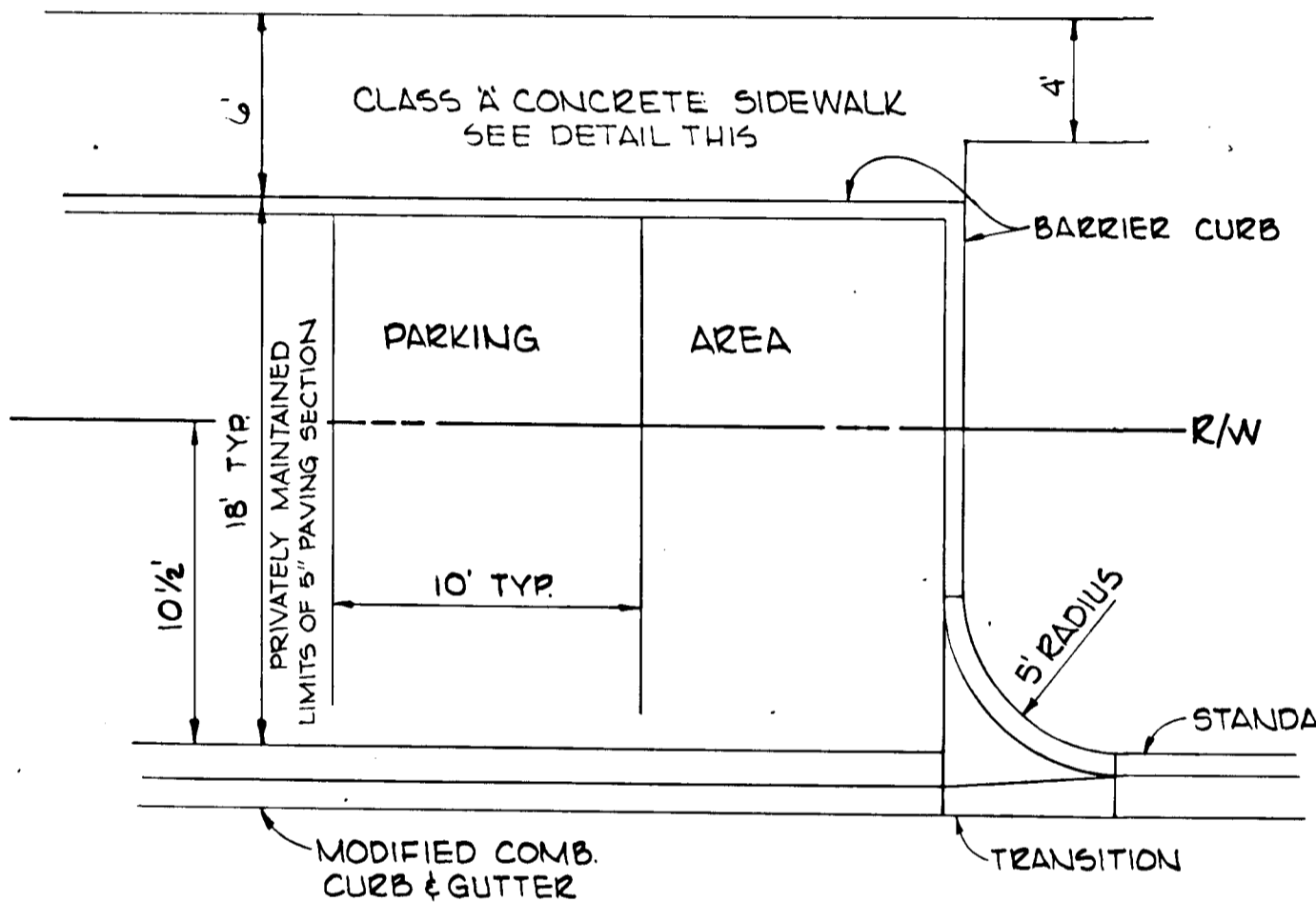
TYPICAL PAVING SECTION
SCALE: 1"=5'



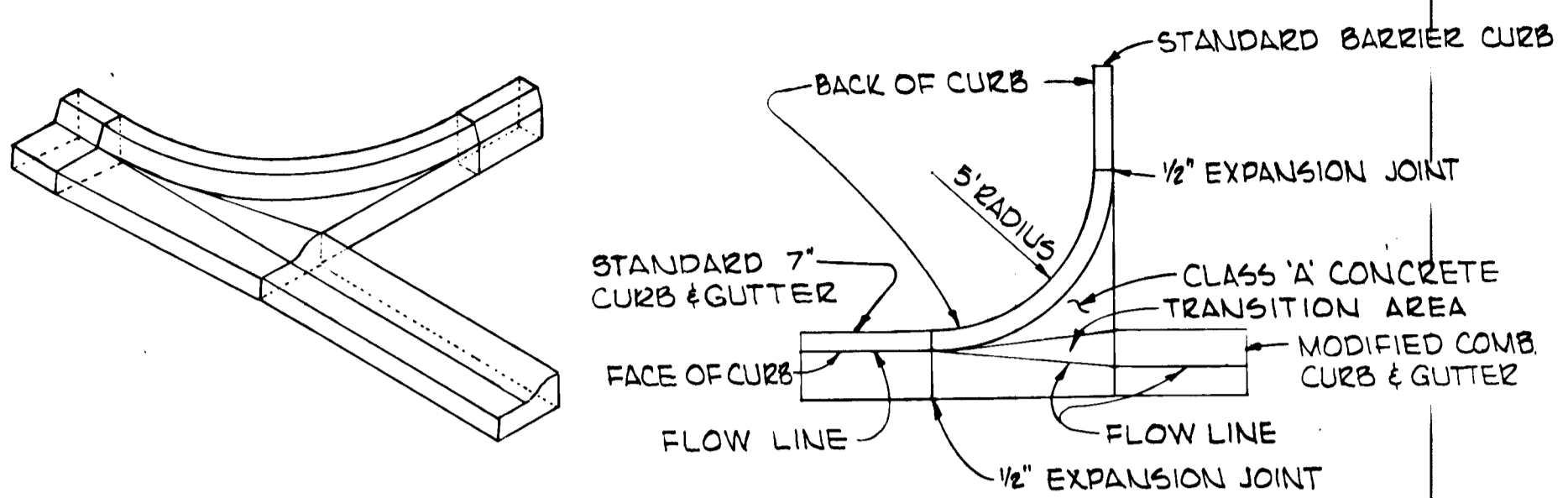
SIDEWALK DETAIL
NO SCALE



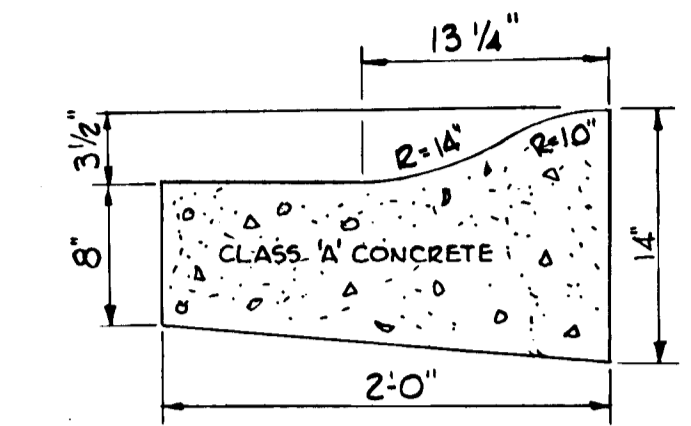
SECTION THROUGH PARKING
NO SCALE



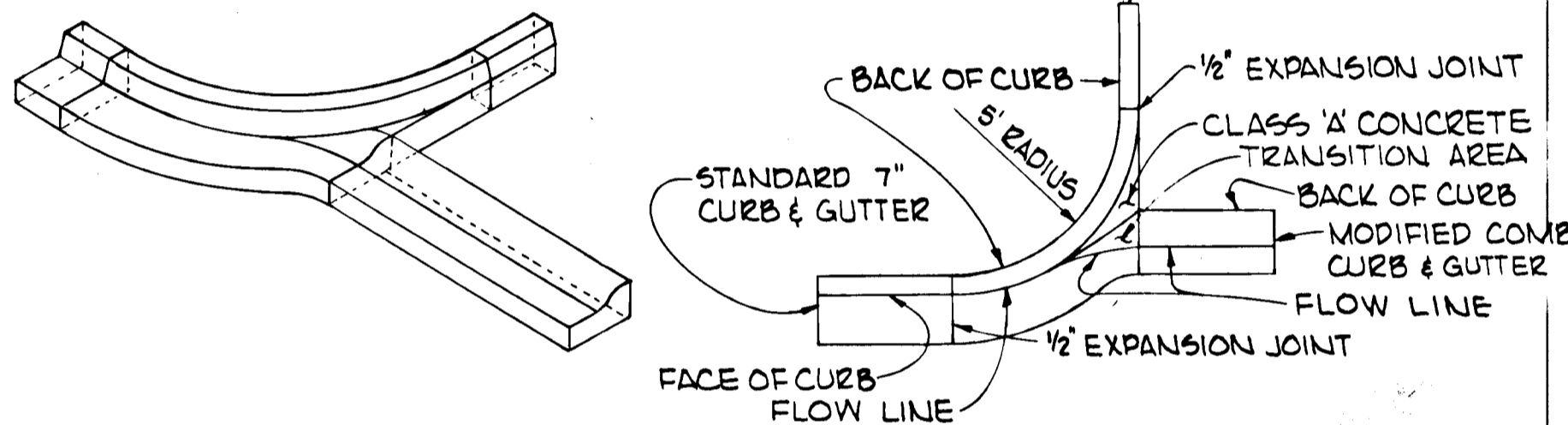
TYPICAL PARKING PLAN
NO SCALE



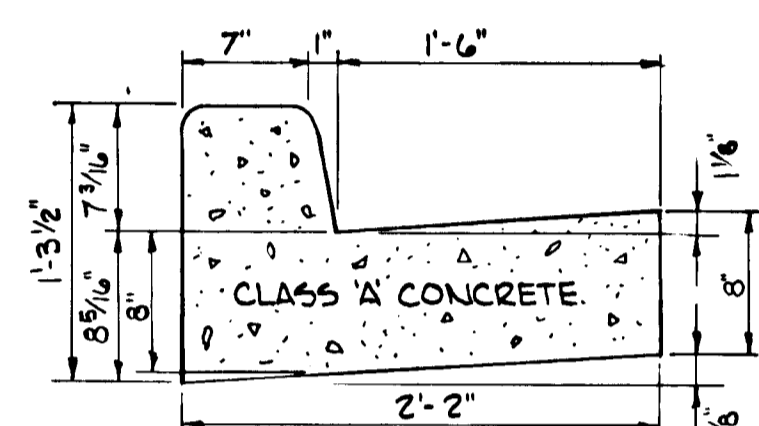
ISOMETRIC (TYPE 2) CURB TRANSITION DETAIL
NO SCALE



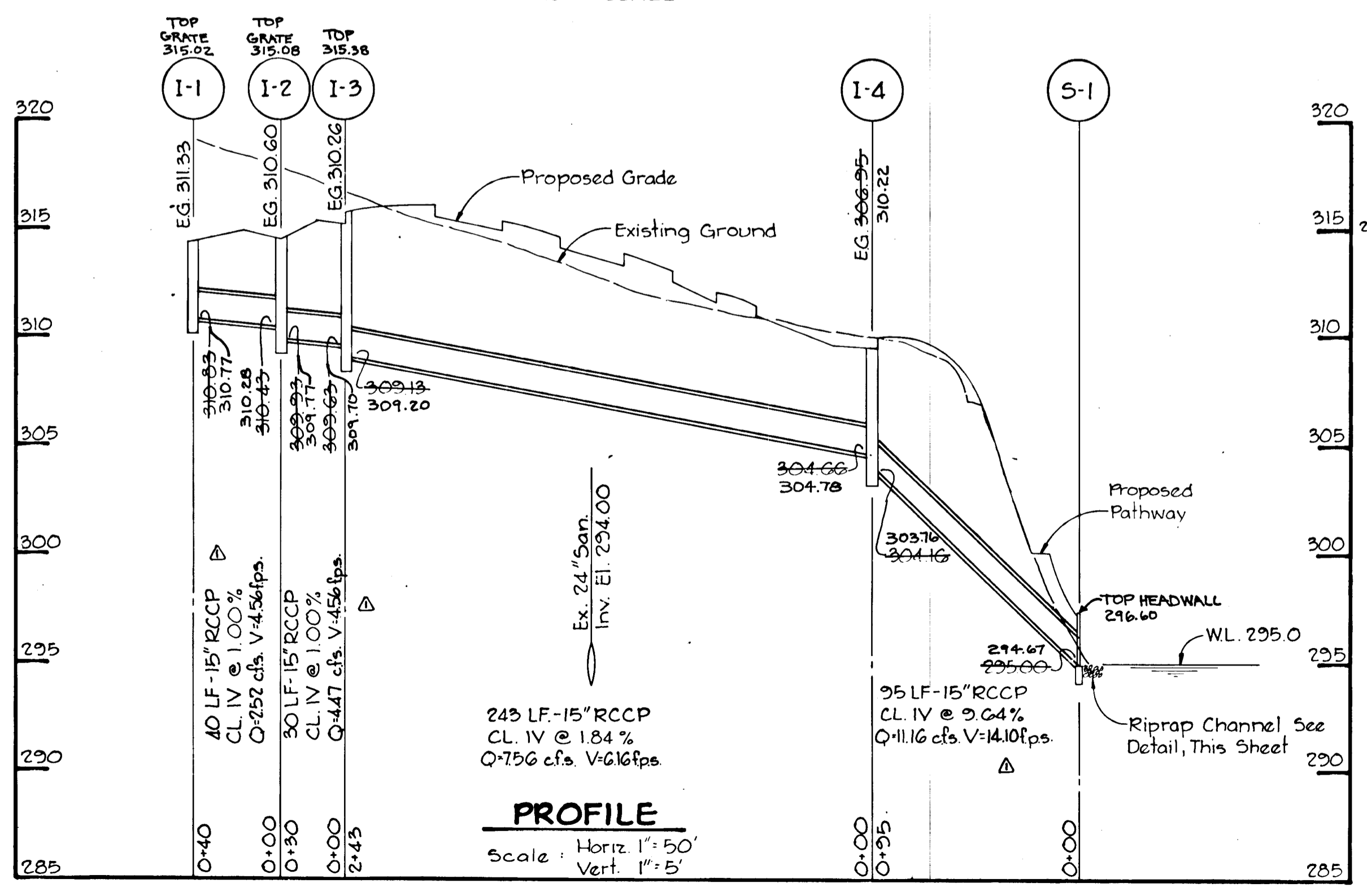
HOWARD COUNTY STANDARD (DRAWING D-40, PAGE 95)
MODIFIED COMB CURB AND GUTTER
NO SCALE



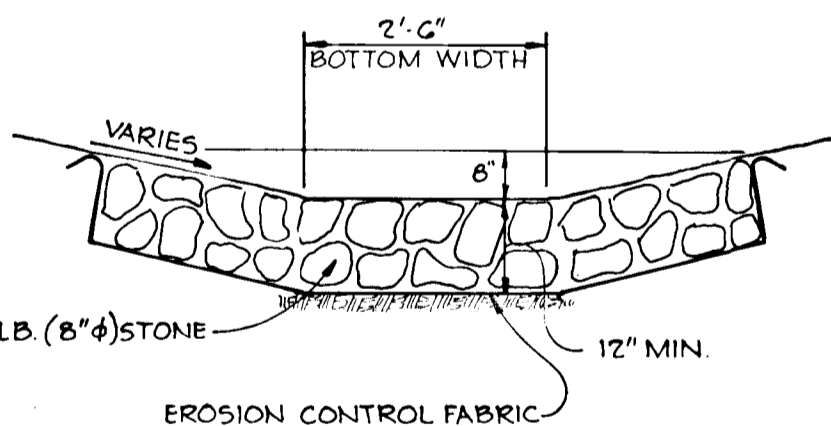
ISOMETRIC (TYPE 1) CURB TRANSITION DETAIL
NO SCALE



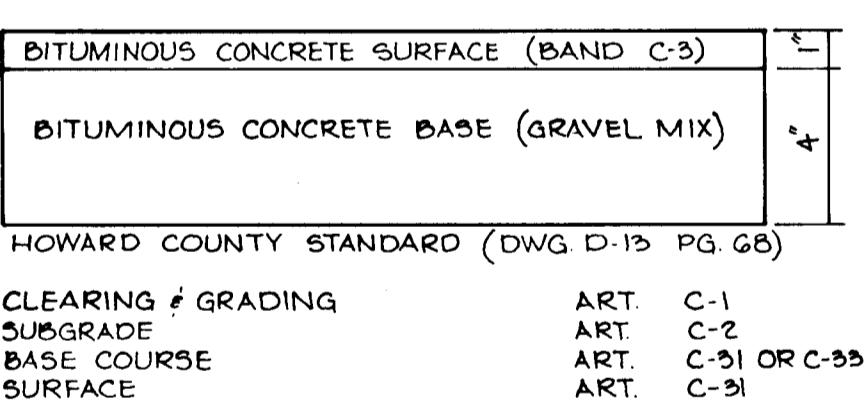
HOWARD COUNTY STANDARD (DRAWING D-40, PAGE 95)
STANDARD 7" COMB CURB AND GUTTER
NO SCALE



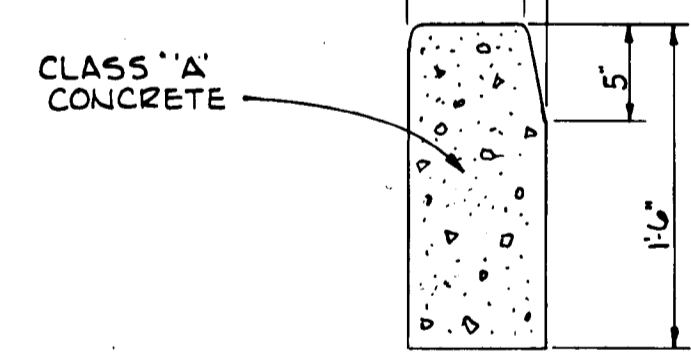
PROFILE
Scale: Horiz 1"=50'
Vert. 1"=5'



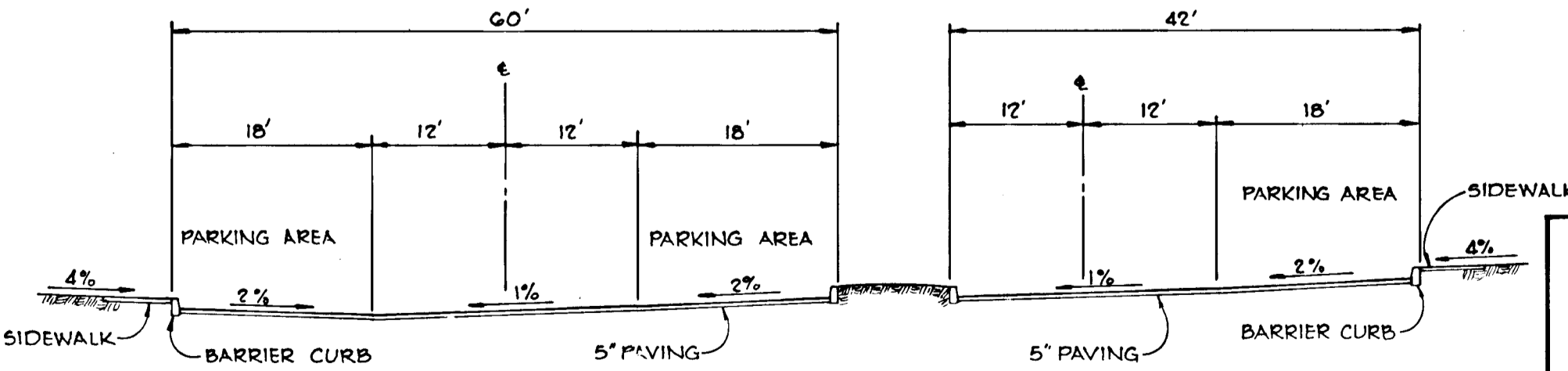
RIPRAP CHANNEL
No Scale



5" PAVING SECTION
NO SCALE
(PRIVATELY MAINTAINED AREAS ONLY)



HOWARD COUNTY STANDARD (DRAWING D-40, PAGE 95)
STANDARD BARRIER CURB
NO SCALE



SECTION A-A
NO SCALE

AS-BUILT SURVEY DATA BY HENRY V. OHEIM, MD. PLS. 4156, SIGNED, SEALED, DATED 5/4/81.

3-1-79 Date
Albert R. Platt
Professional Engr. No. 5407

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

Planning Director: *Richard M. ...* Date: **3-30-79**
Chief, Division of Land Development

APPROVED: DEPARTMENT OF PUBLIC WORKS.

W.O. Platt Date: **4-6-79**
Chief, Bureau of Engineering

Date	No.	VELOCITY ON STORM DRAIN PROFILE	Revision Description
3/11/79	1		

OWNER AND DEVELOPER
TROUTMAN COMMUNITIES
Suite 300 - Wiloe Lake Village Green
COLUMBIA, MARYLAND 21044

DOCKSIDE

6th Election District Howard County, Md.

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

AREA
VILLAGE OF OWEN BROWN - SECTION 1, AREA 1
A RESUBDIVISION OF PART OF PARCEL F-3 AND LOT 280
LOTS F-127 THRU F-181

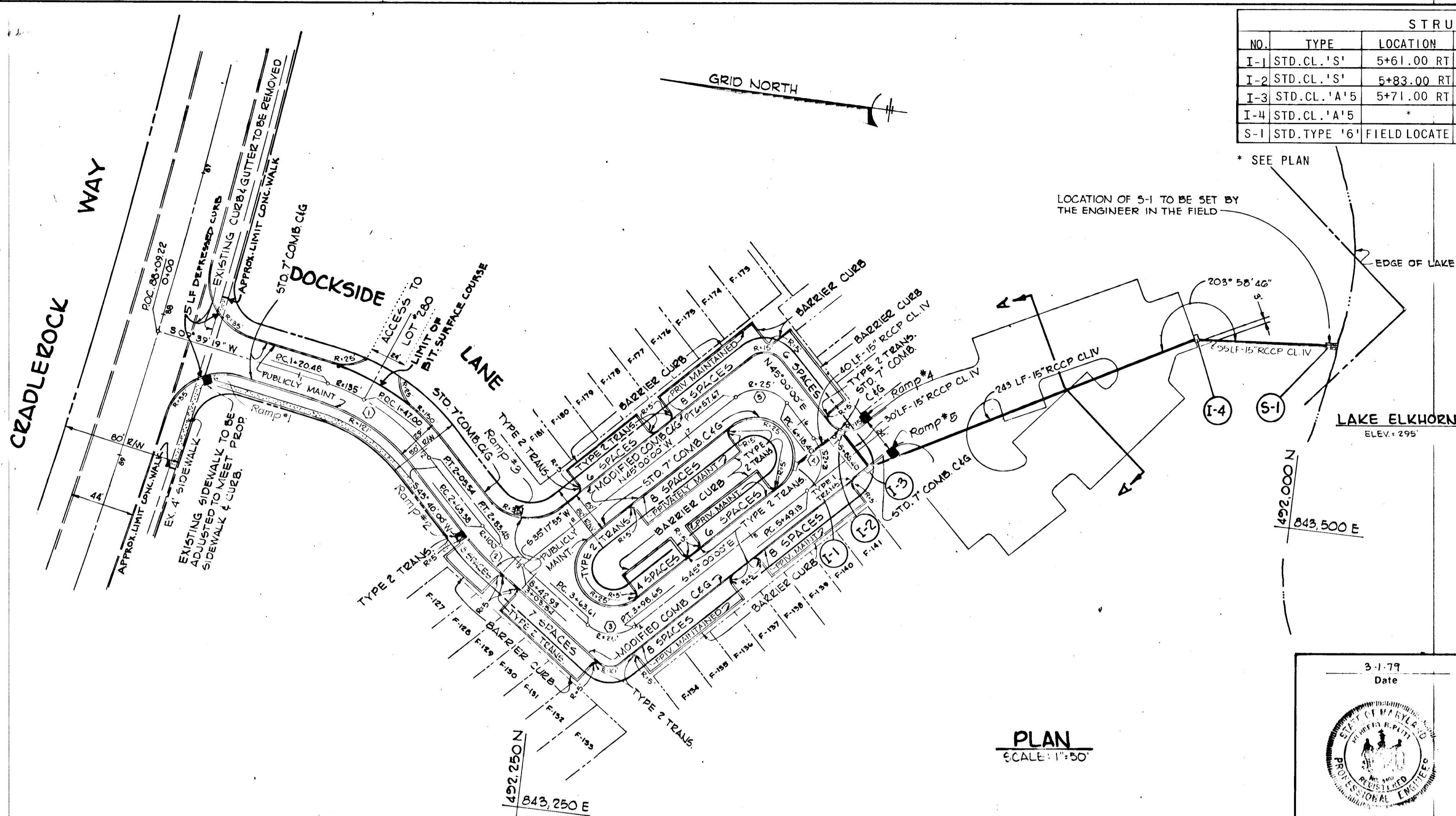
TITLE
DETAILS AND STORM DRAIN PROFILE

Des By G.R.K.	Scale AS SHOWN	Proj No 3378
Drn By J.R.H.	Date 12-8-78	Drawing No.
Chk By J.K.T.	Approved	2 OF 6

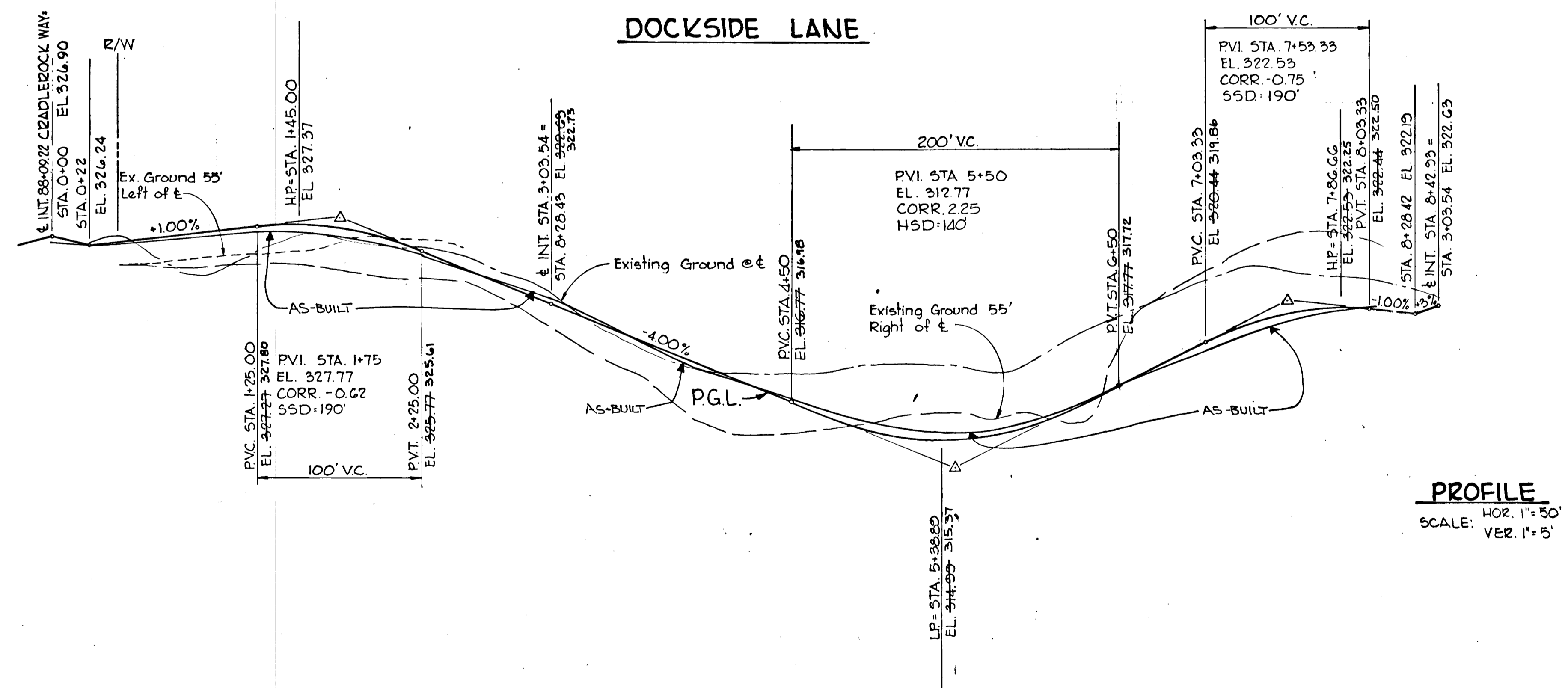
ROAD CURVE DATA						
NO.	RAD.	Δ	TAN.	ARC.	CHD.	L.C.B.
1	135.34	36°-00'-41"	43.99	85.06	83.67	S 27°39'40" W
2	100.00	10°-22'-05"	9.07	18.10	18.07	S 40°28'57" W
3	25.00	80°-17'-55"	21.09	35.04	32.24	S 04°51'03" E
4	25.00	90°-00'-00"	25.00	39.27	35.36	DUE EAST
5	25.00	90°-00'-00"	25.00	39.27	35.36	DUE NORTH

RAMP SCHEDULE	
N#	Standard Detail
1	M.S.H.A. 655.14
2	M.S.H.A. 655.11
3	"
4	"
5	M.S.H.A. 655.11

STRUCTURE SCHEDULE						
NO.	TYPE	LOCATION	INV. IN	INV. OUT	TOP ELEV.	REMARKS
I-1	STD. CL. 'S'	5+61.00 RT	-	310.00	314.14	HO. CO. STD. D-98 PG. 153
I-2	STD. CL. 'S'	5+83.00 RT	310.00	309.00	315.00	HO. CO. STD. D-98 PG. 153
I-3	STD. CL. 'A' 5	5+71.00 RT	309.00	309.00	315.00	HO. CO. STD. D-64A PG. 119A
I-4	STD. CL. 'A' 5	"	304.00	304.00	310.00	HO. CO. STD. D-64A PG. 119A
S-1	STD. TYPE '6'	FIELD LOCATE	295.00	-	297.50	HO. CO. STD. D-61 PG. 116



PLAN
SCALE: 1"=50'



PROFILE
HOR. 1"=50'
VER. 1"=5'

NOTE: SEE SHEET 5 OF 6 FOR LOCATION OF PIPES & MONUMENTS SET IN THE FIELD.

APPROVED: _____
DEPARTMENT OF PUBLIC WORKS.
W. O. West 4-6-79
Chief, Bureau of Engineering Date

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Planning Director _____ Date 5-30-79
Chief, Division of Land Development Date

Date	No.	Revision Description
9/3/80	Δ	Added Wheelchair Ramps
5/1/79	Δ	INV. OUT ELEV. I-1 WAS 310.93

OWNER AND DEVELOPER
TROUTMAN COMMUNITIES
Suite 300 - Wilde Lake Village Green
COLUMBIA, MARYLAND 21044

DOCKSIDE

6th Election District Howard County, Md.
CENTURY ENGINEERING, INC.
CONSULTING ENGINEERS - PLANNERS
TOWSON, MARYLAND 21204

AREA
VILLAGE OF OWEN BROWN - SECTION 1, AREA 1
A RESUBDIVISION OF PART OF PARCEL F-3 AND LOT 280
LOTS F-127 THRU F-181

TITLE
PLAN AND PROFILE DOCKSIDE LANE

Des By	G. R. K.	Scale	AS SHOWN	Proj No	3378
Drn By	J. R. H.	Date	12-8-78		
Chk By	J. K. T.	Approved			

AS-BUILT SURVEY DATA BY
HENRY V. DHEIM, MD. PLS. 4-156;
SIGNED, SEALED & DATED 5/4/81.

3-1-79
Date
W. O. West
Professional Engr. No. 5407

PLAN	DATE	BY
REVISIONS		
NOTED		
ALIGNED		
CHECKED		
RT. OF WAY		

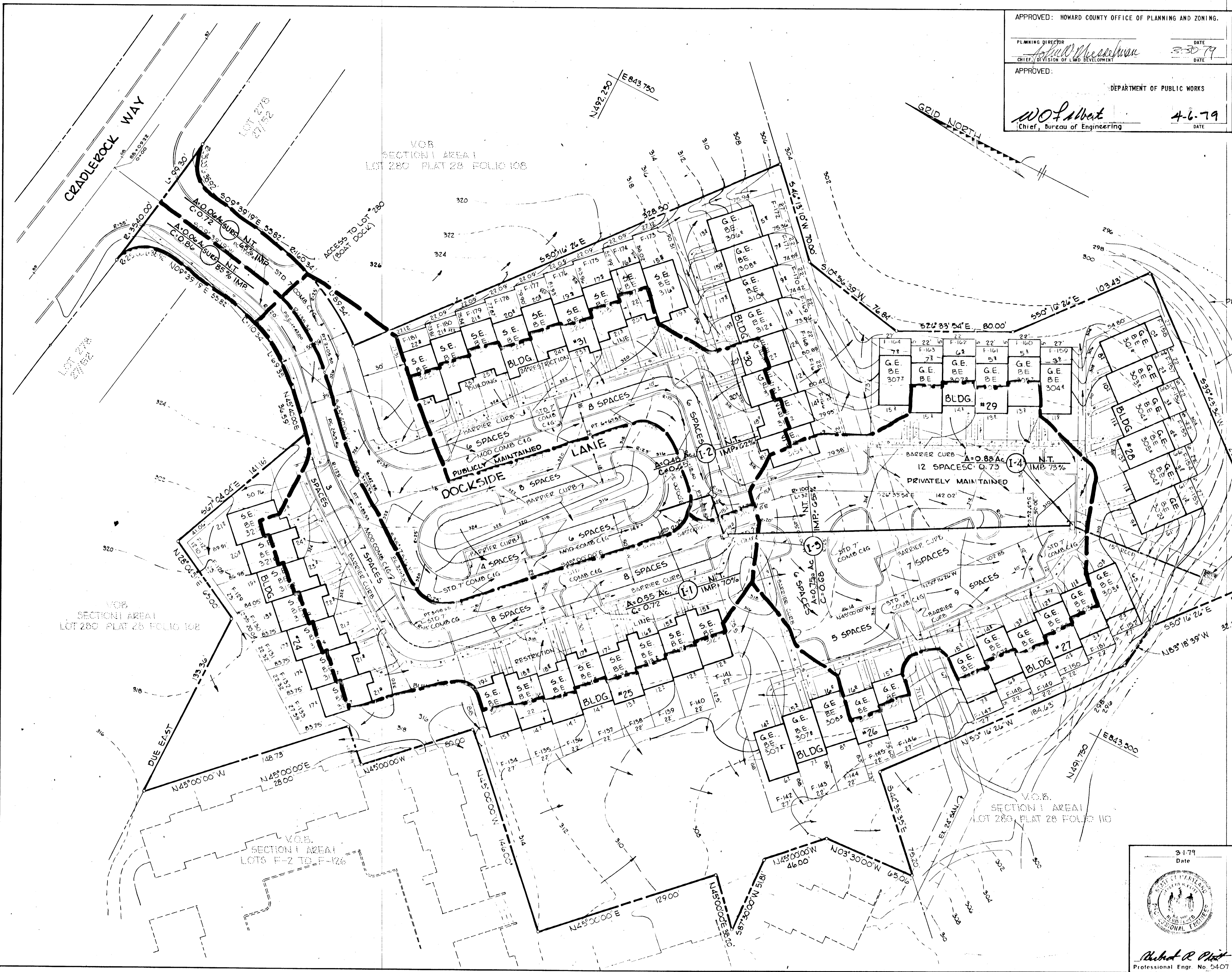
PROFILE	DATE	BY
REVISIONS		
NOTED		
GRADES		
CHECKED		
STRUCTURE		
NOTATIONS		

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

PLANNING DIRECTOR: *Howard M. ...* DATE: 3-30-79
 CHIEF, DIVISION OF LAND DEVELOPMENT

APPROVED: *W. O. Albert* DATE: 4-6-79
 Chief, Bureau of Engineering

DEPARTMENT OF PUBLIC WORKS



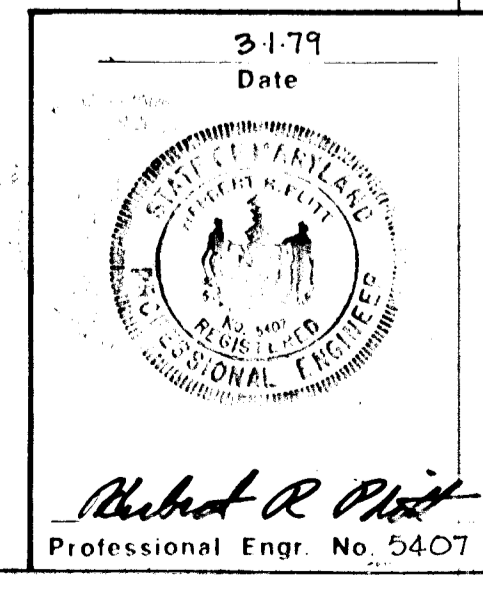
PROPOSED 8' PATHWAY

EXISTING 8' PATHWAY

RIP RAP OUTFALL

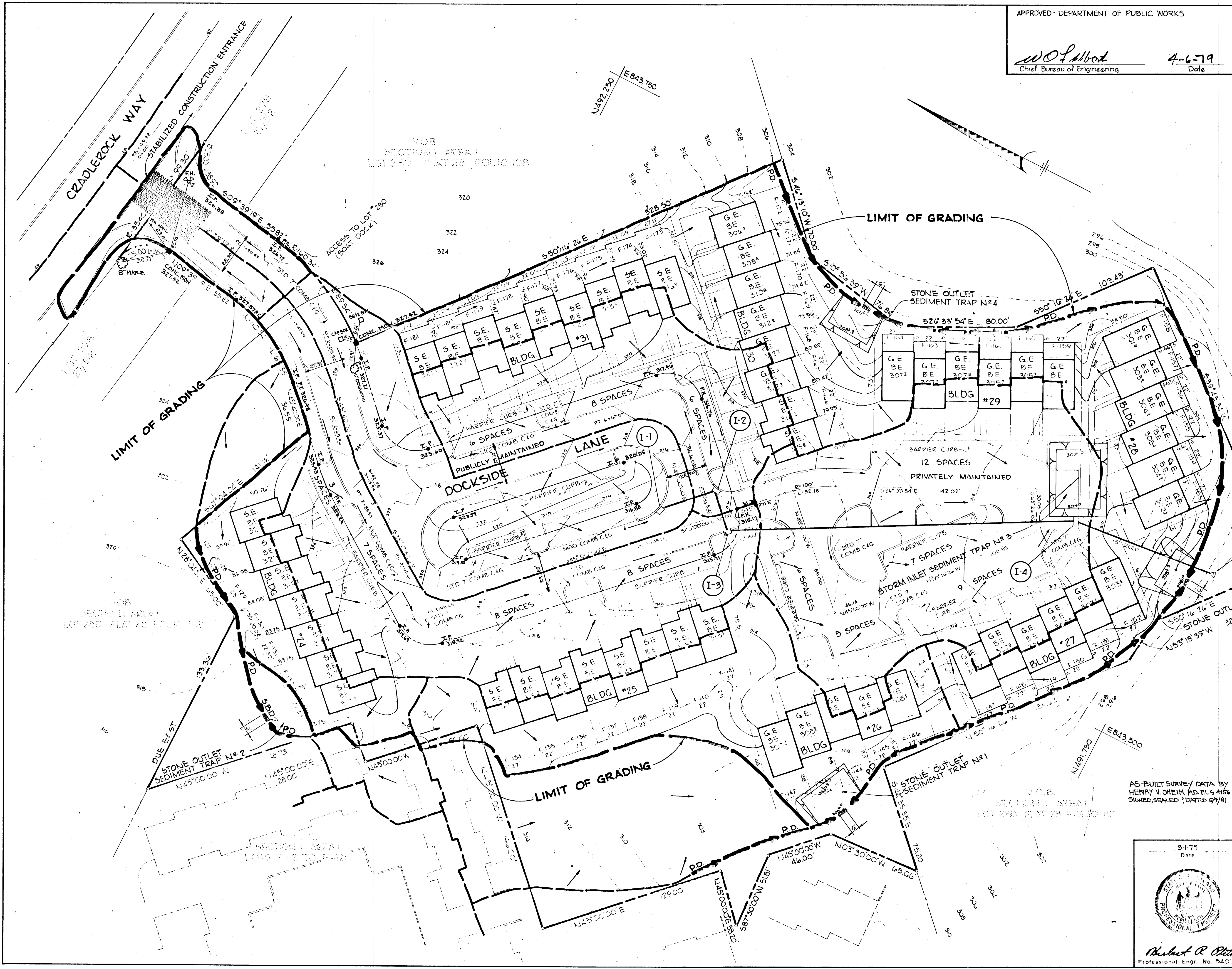
LAKE ELKHORN
ELEV. 295.00'

6/11/79	1	I-4	C-FACTOR WAS 0.64
Date	No		Revision Description
OWNER AND DEVELOPER			
TROUTMAN COMMUNITIES Suite 300 - Wilde Lake Village Green COLUMBIA, MARYLAND 21044			
DOCKSIDE			
6th Election District Howard County, Md.			
CENTURY ENGINEERING, INC. CONSULTING ENGINEERS - PLANNERS TOWSON, MARYLAND 21204			
AREA A			
VILLAGE OF OWEN BROWN - SECTION 1 - AREA 1 A RESUBDIVISION OF PART OF PARCEL F-3 AND LOT 280 LOTS F-127 THRU F-181			
TITLE			
DRAINAGE AREA MAP			
Des By	G.R.K.	Scale	1" = 30'
Drn By	J.R.H.	Date	12-8-78
Proj No	3378	Drawing No.	4 OF 6
Chk By	J.K.T.	Approved	



BRUNING 44-132 28586

AS-BUILT MARCH 10, 1983



APPROVED: DEPARTMENT OF PUBLIC WORKS.
W.O. Wood
 Chief, Bureau of Engineering
 4-6-79
 Date

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."
John Troutman
 Developer, John Troutman
 3/28/79
 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."
Robert R. Olt
 Engineer - James K. Tracy
 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 *C. Wayne Roy* 3/29/79
 U.S. Soil Conservation Service Date

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 Planning Director *John W. Mueselman* Date 3-30-79
 Chief, Division of Land Development Date

THIS DEVELOPMENT PLAN IS FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 Approved *Wes Farr* 3-29-79
 Howard Co. Eng.

Date	No	Revision Description
		OWNER AND DEVELOPER TROUTMAN COMMUNITIES Suite 300 - Wilde Lake Village Green COLUMBIA, MARYLAND 21044
		DOCKSIDE 6th Election District Howard County, Md.
		CENTURY ENGINEERING, INC. CONSULTING ENGINEERS - PLANNERS TOWSON, MARYLAND 21204
		AREA VILLAGE OF OWEN BROWN - SECTION 1, AREA 1 A RESUBDIVISION OF PART OF PARCEL F-3 AND LOT 280 LOTS F-127 THRU F-181
		TITLE SEDIMENT CONTROL PLAN
Des By	G.R.K.	Scale 1" = 30'
Drn By	J.R.H.	Date 12-8-78
Chk By	J.K.T.	Approved
		Proj No 3378
		Drawing No 5 OF 6

AS-BUILT SURVEY DATA BY HENRY V. OHEIM AND PLS #156 SIGNED, SEALED, DATED 5/9/81
 3-1-79
 Date
Robert R. Olt
 Professional Engr. No. 5407

FAS-BUILT MARCH 11, 1983

NO.	STRUCTURE	DRAINAGE AREA (Ac.)	DISTURBED AREA (Ac.)	VOLUME AVAIL. (C.Y.)	CLEANOUT REQ'D.	CLEANOUT ELEVATION	DEPTH TO CREST	BOTTOM ELEV.	HEIGHT (H)	BOTTOM DIMENSION
1	SED. TRAP W/SOS	1.01	0.55	70	67	306.3	2.5	305.0	3	27'x35'
2	STRAW BALE DIKE	.34	.25	113	22	317.2	1.5	316.5	2.0	VARIES
3	INLET W/SED. TRAP	2.66	2.66	185	178	208.3	2.5	207.0	-	40'x50'
4	SED. TRAP W/SOS	.65	.65	48	44	306.0	2.0	305.0	2.50	21'x31'
5	SED. TRAP W/SOS	.58	.58	40	39	200.0	2.0	298.0	2.5	18'x30'

SEDIMENT CONTROL CONSTRUCTION NOTES

GENERAL NOTES

- 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 (922-2070).
- 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.
- SITE GRADING WILL BEGIN ONLY AFTER ALL PERIMETER SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED AND ARE IN A FUNCTIONING CONDITION.
- 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.
- SEDIMENT WILL BE REMOVED FROM TRAPS WHEN THE DEPTH REACHES THE CLEANOUT ELEVATION SHOWN ON THE PLANS.
- 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.
- 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.
- 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".
- SEDIMENT CONTROL WILL BE INSTALLED BEFORE CLEARING AND GRUBBING REMAINDER OF SITE.

TEMPORARY SEEDING

AREA TO BE SEED SHALL BE RECENTLY LOOSENEED. IF THE GROUND IS PACKED, CRUSTED OR HARD, THE TOP LAYER OF SOIL SHALL BE LOOSENEED BY DISCING, RACKING OR OTHER ACCEPTABLE MEANS.

- APPLY 10-20-10 FERTILIZER (OR EQUIVALENT) AT THE RATE OF 600 LBS. PER ACRE OR 15 LBS. PER 1000 SQ.FT.
- WHERE SOIL IS KNOWN TO BE HIGHLY ACID, APPLY DOLOMITIC LIMESTONE AT THE RATE OF 1 TON PER ACRE.
- 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.
- 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.

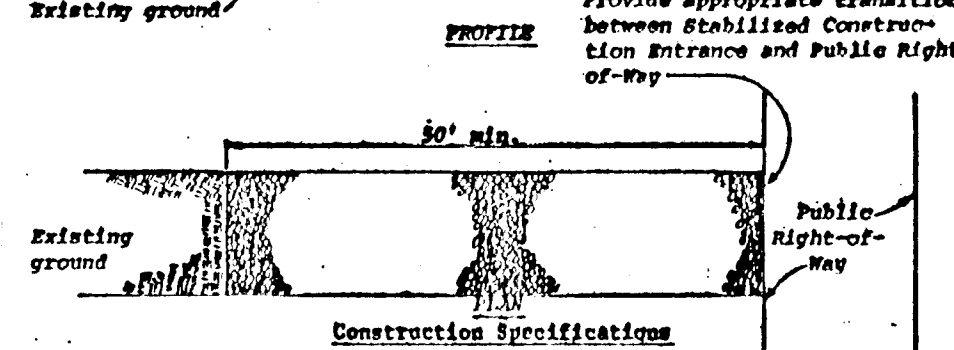
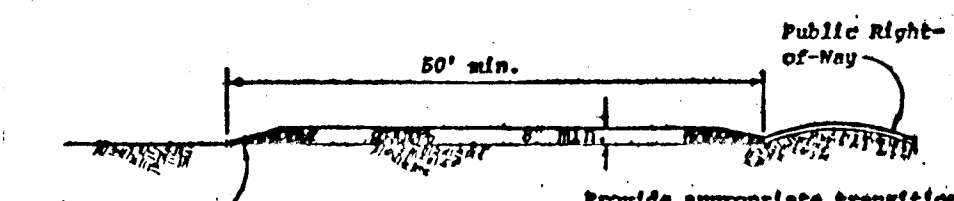
PERMANENT SEEDING

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

- APPLY DOLOMITIC LIMESTONE AT THE RATE OF 2 TONS. PER ACRE (ONE TON. PER ACRE IF APPLICATION OF TON.PER ACRE WAS MADE FOR TEMPORARY SEEDING).
- APPLY 0-20-20 FERTILIZER AT THE RATE OF 600 LBS. PER ACRE. HARROW OR DISC LIME AND 0-20-20 FERTILIZER INTO THE SOIL TO A MINIMUM DEPTH OF 3" LAWNS OR HIGH MAINTENANCE AREAS WILL BE DRAGGED AND LEVELED WITH A YORK RAKE. AT THE TIME OF SEEDING APPLY 400 POUNDS OF 38-0-0 UREAFORM FERTILIZER AND 500 LBS. OF 10-20-20 OR EQUIVALENT FERTILIZER PER ACRE.
- SEED WITH A MIXTURE OF CERTIFIED "MERION" KENTUCKY BLUEGRASS @ 40 LBS. PER ACRE; COMMON KENTUCKY BLUEGRASS @ 40 LBS. PER ACRE; RED FESCUE, PENNLAWN OR JAMESTOWN @ 20 LBS. PER ACRE.
- 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.
- SEED ALL SLOPES WITH A MIXTURE OF CERTIFIED KENTUCKY 31 TALL FESCUE @ 50 LBS. PER ACRE AND INOCULATED KOREAN LESPEDEZA @ 15 LBS. PER ACRE.

SEQUENCE OF CONSTRUCTION

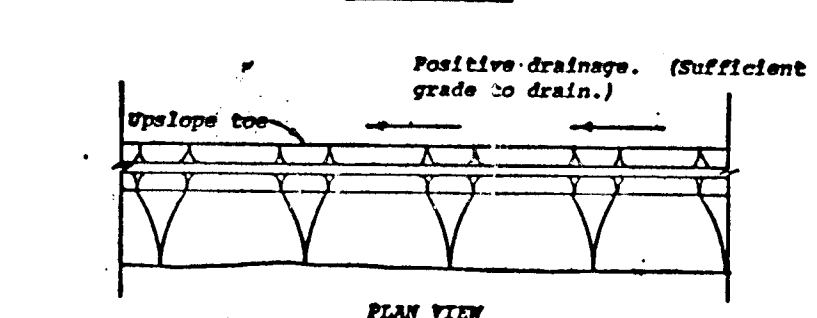
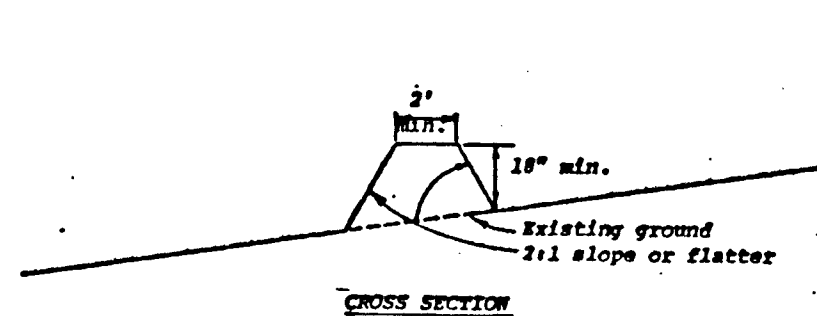
- OBTAIN A GRADING PERMIT
- INSTALL STABILIZED CONSTRUCTION ENTRANCE.
- INSTALL STRAW BALE DIKE #2.
- INSTALL STONE OUTLET SEDIMENT TRAP'S NO. 1, 3, 4 AND 5 AND SEED PER TEMPORARY SEEDING NOTES.
- INSTALL PERIMETER DIKES AND SEED PER TEMPORARY SEEDING NOTES.
- ROUGH GRADE SITE WITHIN LIMITS OF CONSTRUCTION.
- INSTALL STORM DRAINS AND REPAIR SEDIMENT CONTROL.
- INSTALL STORM INLET SEDIMENT TRAP @ INLET NO.4
- BLOCK INLETS NO. 1, 2 & 3 AS PER DETAIL.
- ALL DISTURBED AREAS SHALL BE STABILIZED AS PER TEMPORARY SEEDING NOTES.
- AFTER CONSTRUCTION IS COMPLETED AND UPON APPROVAL BY THE SOIL CONSERVATION DISTRICT, ALL SEDIMENT CONTROL FACILITIES SHALL BE REMOVED AND STABILIZED AS PER PERMANENT SEEDING NOTES.



- Stone size - Use MSHA size No. 2 (2-1/2" to 1") or ASTM 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 right-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanup of any measures used to trap sediment. All sediment applied, dropped, washed or tracked onto public right-of-way must be removed immediately.

STABILIZED CONSTRUCTION ENTRANCE

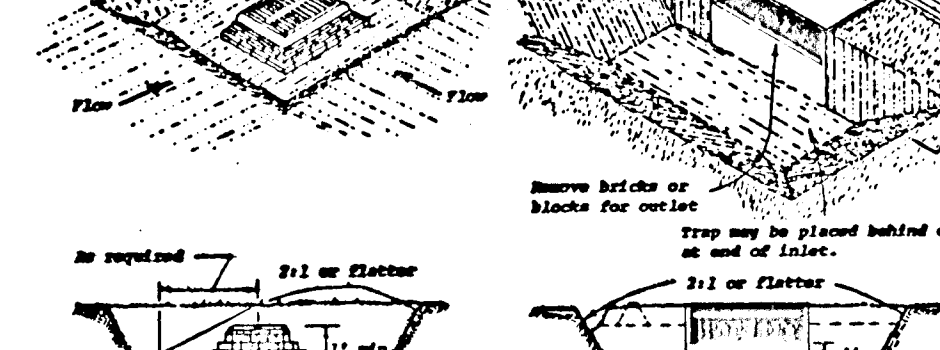
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- All dikes shall be machine compacted.
- All perimeter dikes shall have positive drainage to an outlet.
- Diverted runoff from a protected or stabilized upland area shall outlet directly onto an undisturbed stabilized area or into a level spreader or grade stabilization structure.
- Diverted runoff from a disturbed or exposed upland area shall be conveyed to a sediment trapping device such as sediment trap or a sediment basin or to an area protected by any of these practices.
- Stabilization, when required, shall be done in accordance with Standard and Specifications for Grassed Waterway. The minimum area to be stabilized shall be the channel flow area.
- Periodic inspection and required maintenance shall be provided.

PERIMETER DIKE

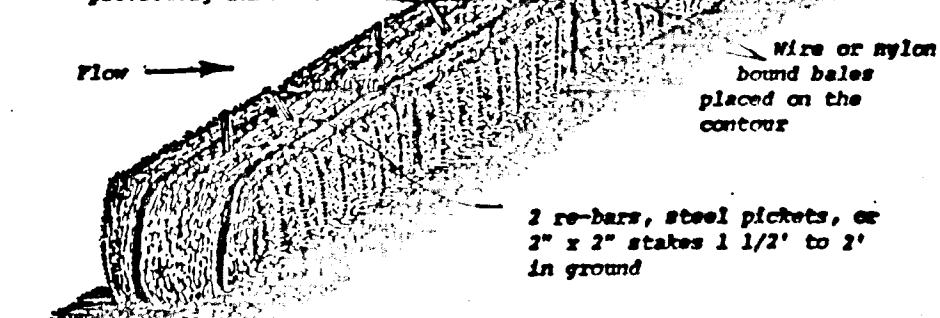
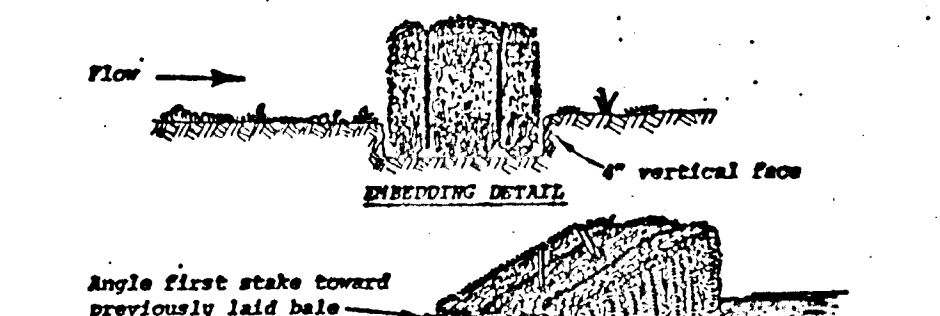
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- Surface shall be removed and trap returned to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. Sediment shall be deposited in a suitable area and in such a manner that it will not erode.
- The structure shall be inspected after each rain and 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 area stabilized when the remaining drainage area has been properly stabilized.
- All cut and fill slopes shall be 1:1 or flatter.

STORM INLET SEDIMENT TRAP

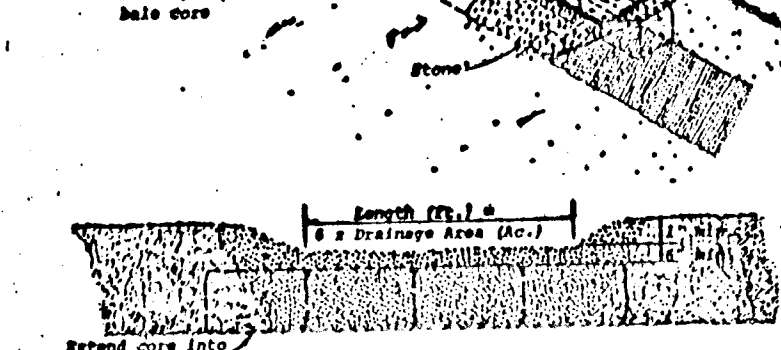
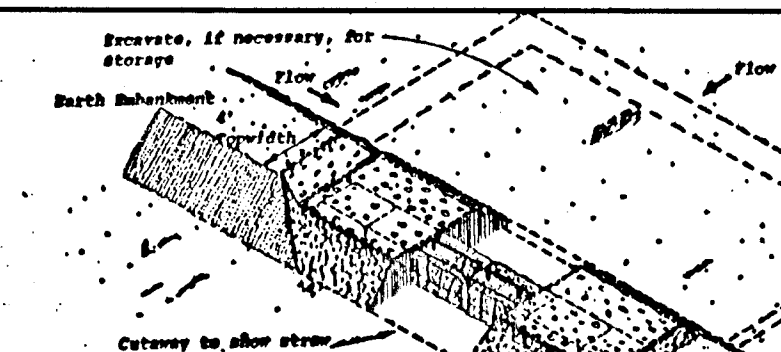
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- Bales shall be placed in a row with ends tightly abutting the adjacent bales.
- Each bale shall be embedded in the soil a minimum of 4".
- Bales shall be securely anchored in place by stakes or re-bars driven through the bales. The first stake in 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 so as not to block or impede storm flow or drainage.

STRAW BALE DIKE

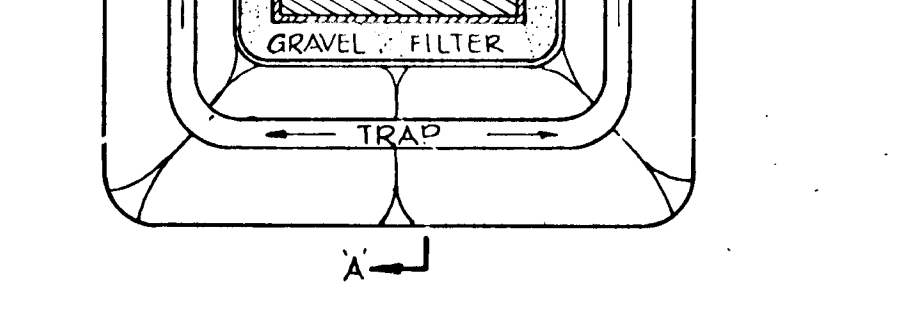
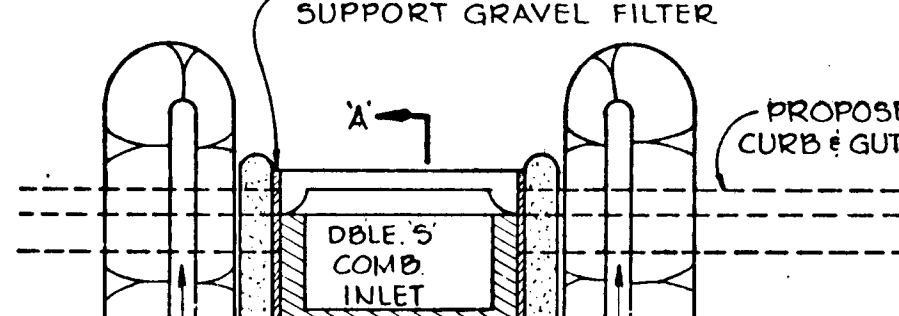
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- Area under sediment shall be cleared, grubbed and stripped of any vegetation and root mat. The soil area shall be dressed.
- The fill material for the sediment shall be free of roots or other woody vegetation as well as over sized stones, rocks, organic material or other objectionable material. The sediment shall be compacted by treading with equipment while it is being constructed.
- Sediment shall be removed and trap returned to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. 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 repairs made as needed.
- Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
- The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.
- All cut and fill slopes shall be 1:1 or flatter.
- The crushed stone used in the outlet shall meet ASTM designation M43, Size No. 1 or 24 or its equivalent such as MSHA No. 1. Gravel, meeting the above gradation, may be used if crushed stone is not available. Crusher run is not acceptable.

STONE OUTLET SEDIMENT TRAP

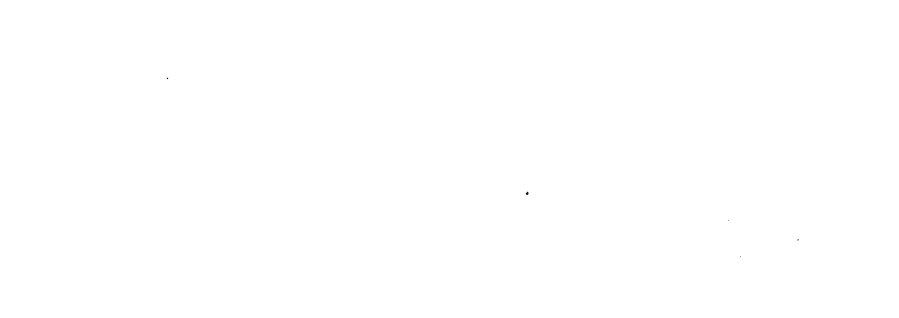
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- Bales shall be placed in a row with ends tightly abutting the adjacent bales.
- Each bale shall be embedded in the soil a minimum of 4".
- Bales shall be securely anchored in place by stakes or re-bars driven through the bales. The first stake in 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 so as not to block or impede storm flow or drainage.

SECTION "A-A" TYPICAL INLET BLOCKING

No Scale



APPROVED: DEPARTMENT OF PUBLIC WORKS

W. O. L. Chief, Bureau of Engineering
4-6-79 Date

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

Approved: *John Troutman* 3/29/79
Howards S.C.D.

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.

John L. Troutman 3/29/79
Developer, John Troutman 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."

Herbert R. Plitt
Engineer - HERBERT R. PLITT 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.

C. Wayne Ray 3/29/79
Signature U.S. Soil Conservation Service Date

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING.

Planning Director Date
John L. Troutman 3-20-79
Chief, Division of Land Development Date

Date	No	Revision Description

OWNER AND DEVELOPER
TROUTMAN COMMUNITIES
Suite 300 - Wilde Lake Village Green
COLUMBIA, MARYLAND 21044

DOCKSIDE
6th Election District Howard County, Maryland

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

AREA
VILLAGE OF OWEN BROWN - SECTION 1, AREA 1
A RESUBDIVISION OF PART OF PARCEL F-3 AND LOT 280
LOTS F-127 THRU F-181

TITLE
SEDIMENT CONTROL NOTES AND DETAILS

Des By G.R.K.	Scale AS SHOWN	Proj No 3378
Drn By J.R.H.	Date 12-8-78	Drawing No. 6 OF 6
Chk By J.K.T.	Approved	

3-1-79 Date
Herbert R. Plitt
Professional Engr. No. 5407

F-79-98C
AS-BUILT MARCH 11, 1983