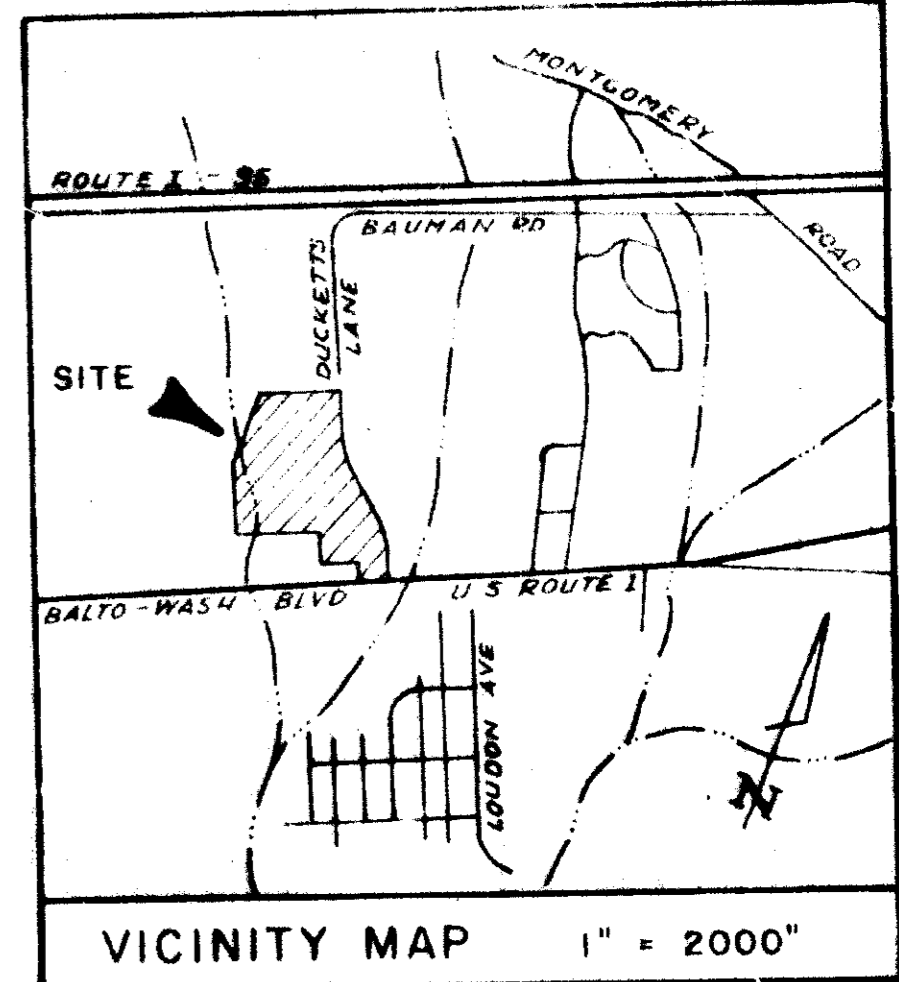


PROPOSED MARBLE HILL DEVELOPMENT PHASE I 199 DWELLING UNITS



OWNER: RAY A WATT
% WATT IND., INC.
PO BOX 2114
SANTA MONICA, CALIF 90406
(213) 829 4661

DEVELOPER: MARBLE HILL DEVELOPMENT CORPORATION
8300 BELAIR ROAD
BALTIMORE, MARYLAND 21236
(301) 621 1389

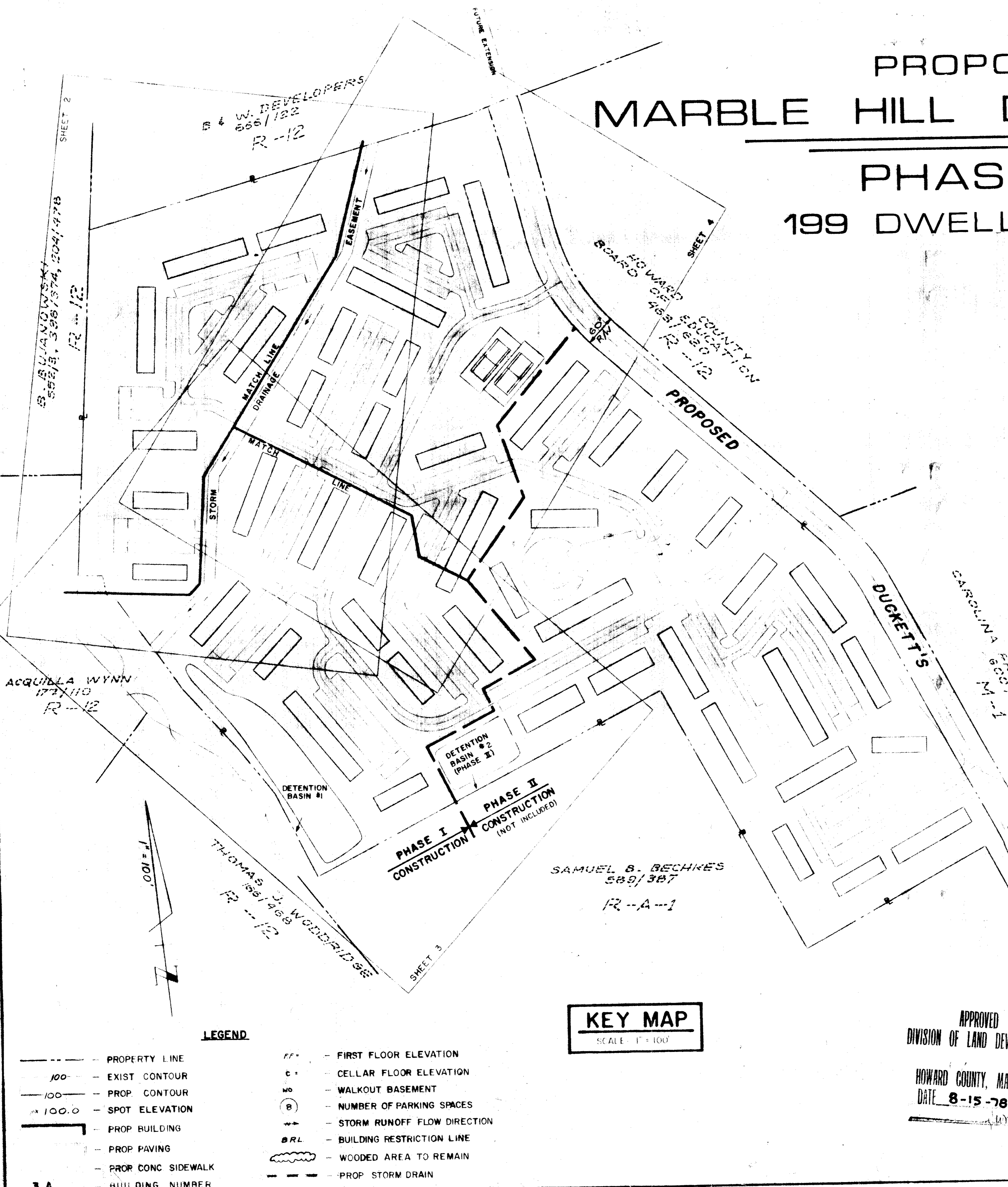
SITE TABULATION			
	PHASE I	PHASE II (NOT INCLUDED IN DEVELOPMENT)	OVERALL
TOTAL AREA	21.52 Ac	13.75	35.27 Ac
NUMBER OF UNITS (ALL 3 BEDROOM)	199 Units	151 Units	350 Units
UNIT DENSITY	9.25 DU/Ac	10.98 DU/Ac	10.22 DU/Ac
AREA TO BE VEGETATIVELY STABILIZED	413,645 Sq Ft or 9.5%	N/A	N/A
BUILDING LOT COVERAGE	11.46%	13.61%	12.9%
UNDISTURBED AREA	125,000 Sq Ft or 2.8%	N/A	N/A
PARKING REQ'D @ 2 SPACES/UNIT	398 SPACES	302 SPACES	700 SPACES
PARKING PROVIDED	408 SPACES	296 MIN.	700 MIN.

* INFORMATION NOT AVAILABLE UNTIL FINAL DESIGN OF PHASE II
TOTAL AREA OF SITE - 35.267 ACRES
EXISTING ZONING IS R-1-1
PROPERTY IS RECORDED IN R.E. 3889-3900
HOWARD COUNTY, MARYLAND

- GENERAL NOTES**
- TOTAL AREA OF SITE IS 35.267 ACRES.
 - PHASE I CONSISTS OF 199 CONDOMINIUM DWELLING UNITS.
 - PHASE II CONSISTING OF 151 UNITS WILL BE CONSTRUCTED LATER AND DEVELOPMENT PLANS WILL BE PROCESSED ACCORDINGLY.
 - ALL UNITS ARE THREE BEDROOM WITH BASEMENTS. UNITS NOTED "W.O." HAVE WALKOUT BASEMENTS. ALL OTHER UNITS HAVE BASEMENTS WITH ACCESS FROM THE INTERIOR ONLY.
 - EXISTING SITE IS HEAVILY WOODED, AND EXISTING TREES WILL BE PRESERVED WHEREVER POSSIBLE, SPECIFICALLY IN AREAS SO DESIGNATED ON THE PLANS.
 - ALL ROADS WITHIN THE SITE ARE PRIVATELY OWNED. DUCKETT'S LANE IS A PUBLIC ROAD AND WILL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION PLANS.
 - PROPERTY OUTLINE IS TAKEN FROM THE RECORD PLAT RECORDED AT THE HOWARD COUNTY COURT HOUSE ON OCTOBER 18, 1977 IN R.E. 3894-3900.
 - ALL STORM DRAINS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY.
 - REFUSE COLLECTION WILL BE VIA INDIVIDUAL TRASH CANS PLACED AT THE CURB ON DAYS DESIGNATED FOR PICKUP.
 - MAIL DELIVERIES WILL BE ACCOMMODATED BY INDIVIDUAL MAIL RECEPTACLES, APPROVED BY THE POST OFFICE, AT EACH UNIT.
 - REFER TO LANDSCAPING PLAN FOR DETAILS AND LOCATIONS OF PROPOSED PLANTING.
 - REFER TO ARCHITECTURAL PLANS FOR BUILDING DETAILS.
 - REFER TO WATER AND SEWER PLANS FOR DETAILS AND LOCATIONS OF PUBLIC WATER AND SEWER MAINS. CONTRACT # 768 D-WSS.
 - EACH UNIT WILL HAVE AN INDIVIDUAL WATER METER INSIDE.
 - UNITS WILL BE SOLD AS CONDOMINIUMS, WHEREBY THE PURCHASER WILL OWN THE INDIVIDUAL UNIT FROM PARTY WALL TO PARTY WALL AND FROM FRONT TO REAR, AND ALL OTHER GROUNDS WITHIN THE SITE, BUT OUTSIDE THE UNITS, WILL BE OWNED BY A HOMEOWNER'S ASSOCIATION.
 - NO BUILDING PERMIT WILL BE ISSUED UNTIL WATER & SEWER CONTRACT # 768 D-WSS, IS COMPLETED.
 - WATER AND SEWER HOUSE CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH THE WATER & SEWER PLANS AS APPROVED BY THE BUREAU OF ENGINEERING, CONTRACT # 768 D-WSS.

INDEX OF DRAWINGS

SHEET NO.	TITLE
1	INDEX & KEY MAP
2	SITE DEVELOPMENT PLAN
3	SITE DEVELOPMENT PLAN
4	SITE DEVELOPMENT PLAN
5	SITE CONSTRUCTION DETAILS
6	STORM DRAIN PROFILES
7	STORM DRAIN PROFILES
8	DRAINAGE AREA MAP
9	SEDIMENT CONTROL PLAN
10	SEDIMENT CONTROL PLAN
11	SEDIMENT CONTROL PLAN
12	SEDIMENT CONTROL PLAN
13	LANDSCAPE PLAN
14	" "
15	" "
16	" "



- LEGEND**
- PROPERTY LINE
 - 100 - EXIST CONTOUR
 - 100 - PROP CONTOUR
 - 100.0 - SPOT ELEVATION
 - PROP BUILDING
 - PROP PAVING
 - PROP CONC SIDEWALK
 - BUILDING NUMBER
 - FF - FIRST FLOOR ELEVATION
 - C - CELLAR FLOOR ELEVATION
 - WB - WALKOUT BASEMENT
 - (B) - NUMBER OF PARKING SPACES
 - STORM RUNOFF FLOW DIRECTION
 - BRL - BUILDING RESTRICTION LINE
 - WOODED AREA TO REMAIN
 - PROP STORM DRAIN

APPROVED
DIVISION OF LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
DATE 8-15-78

APPROVED FOR PUBLIC WATER AND SEWERAGE SYSTEMS

HOWARD COUNTY HEALTH DEPARTMENT
9-19-78

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
9-14-78

APPROVED FOR PLANNING AND ZONING
HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
9-21-78

APPROVED FOR VISUAL LANDSCAPE DESIGN
9-21-78

SDP-78-115

REVISIONS

PROJECT NUMBER: 6014
DATE: VER 1978
SCALE: 1" = 2000'

J.L.F.
M.J.G.
SPECIAL

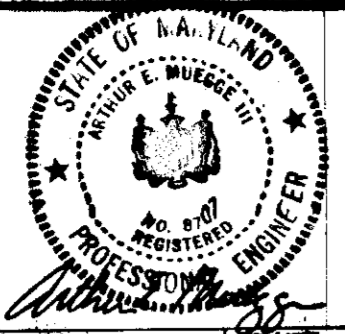
MARBLE HILL
PARCEL NUMBER 568
TAX MAP NUMBER 37
HOWARD COUNTY, MARYLAND

INDEX & KEY MAP

Kamber Engineering
2901 RESEARCH BOULEVARD
ROCKVILLE, MARYLAND 20850
PHONE (301) 540-1000

1 of 16

UNDER THE SUPERVISION OF ARTHUR E. MUEGGE P.E. NO. 8707, THE REMEE GROUP, INC. HAS MADE THE FOLLOWING REVISIONS TO THIS PLAN



REVISION NO.	DESCRIPTION	DATE
1	STORM DRAIN ADDITION FROM M-7 TO E-2	11/16/78

LIMIT OF GRADING (TYPICAL)

POINT NUMBER	NORTH	EAST
103	497619.000	870825.000
104	497609.000	870845.000
105	497433.000	870970.000
106	497315.000	871076.000
107	497232.000	871142.000
108	497071.376	871225.460
207	497120.603	871031.642
208	497667.253	871131.264
209	497634.764	871125.201
210	497622.867	871256.247
211	497535.899	871264.467
212	497520.245	871276.915
213	497499.064	871250.303
214	497449.905	871244.692
215	497393.551	871377.650
216	497369.451	871490.870
217	497306.422	871542.744
218	497291.418	871387.687

THIS PLAN FOR SMALL POND CONSTRUCTION MEETS THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

APPROVED: HOWARD SOIL CONSERVATION DISTRICT DATE

PLAN NUMBER

No	Radius	Delta	Tan	Arc	Chord	Chord Bearing
2	68.85'	24°34'54"	15.0'	29.54'	29.31'	S 74°35'38" E
3	80.0'	26°10'06"	22.13'	32.40'	32.36'	S 05°29'54" E
4	35.0'	90°0'0"	35.0'	54.08'	49.5'	S 06°30'33" W
5	91.01'	78°59'2"	75.0'	125.46'	115.76'	S 77°59'0" E

SITE PLAN
SCALE: 1" = 30'

100 YEAR FLOOD PLAINS DEDICATED TO HOWARD COUNTY 43,576 sq. ft. or 1/10004 AC.

LIMIT OF WATER SURFACE EMERGENCY SPILLWAY @ 100 YEAR FLOOD SEE SHEET #6

NOTE: DEVELOPER WILL PROVIDE HOWARD COUNTY SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE SWIM BASIN #1, CERTIFIED BY A REGISTERED CIVIL ENGINEER, WITHIN 90 DAYS AFTER COMPLETION.

APPROVED
DIVISION OF LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
DATE 8-15-78
Jum



APPROVED FOR PUBLIC WATER AND SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

John Boyden 9-19-78
HOWARD COUNTY OFFICE OF PLANNING AND ZONING
William J. Hamel 9-21-78
Arthur E. Muegge 9-21-78

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Richard E. Freudenberger 9/19/78
Arthur E. Muegge 9-21-78

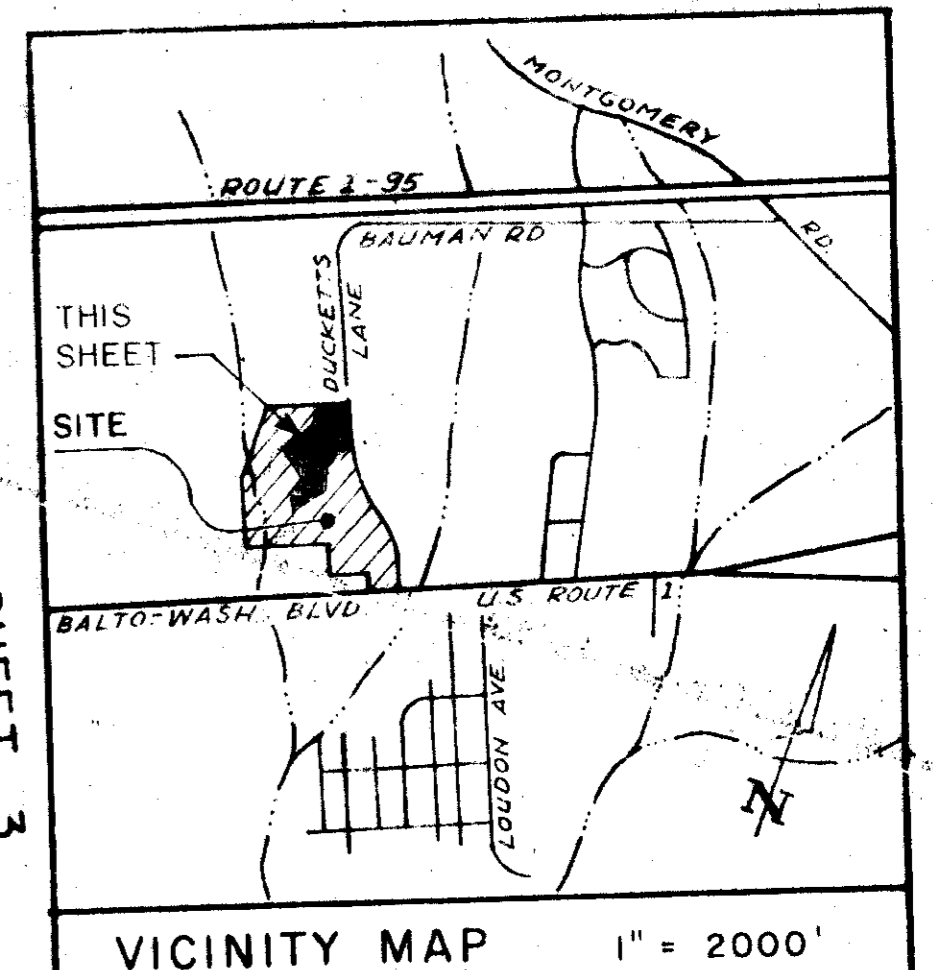
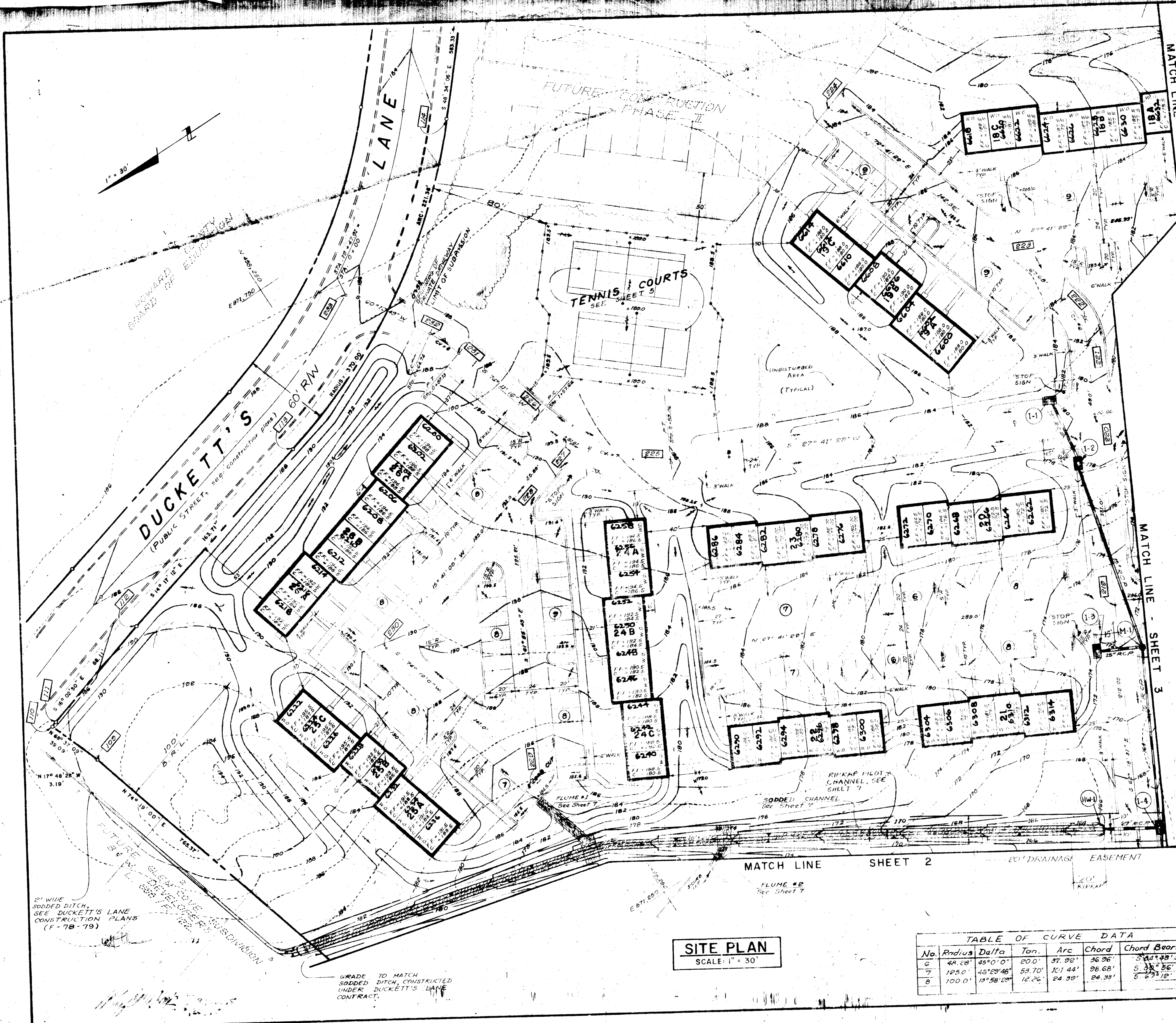
MARBLE HILL
HARWOOD-FIRST ELECTION DISTRICT
TAX MAP NUMBER 37
HOWARD COUNTY, MARYLAND
PARCEL NUMBER 569
SITE DEVELOPMENT PLAN

Kamber Engineering
2901 RESEARCH BOULEVARD
ROCKVILLE, MARYLAND 20850
PHONE (301) 940-1000



3 OF 16

SDP-78-115



COORDINATE TABLE

LOT NUMBER	NORTH	EAST
100	408,525.120	871,545.284
110	408,530.282	871,561.638
111	408,536.241	871,582.665
112	408,452.260	871,607.022
113	408,293.600	871,647.422
114	408,153.235	871,711.783
210	407,876.222	871,841.635
220	407,816.045	871,857.631
221	407,793.275	871,840.018
222	407,760.021	871,837.822
223	407,810.067	871,502.438
224	407,852.412	871,636.312
225	408,078.028	871,495.640
226	408,141.110	871,572.271
227	408,192.412	871,649.174
228	408,186.219	871,654.665
229	408,178.078	871,652.421
230	408,316.198	871,492.172
231	408,160.410	871,640.088
232	408,169.844	871,662.577
233	408,201.033	871,712.271

APPROVED
DIVISION OF LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
DATE 8-15-78
JWM



APPROVED FOR PUBLIC WATER AND SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
9-17-78
REWARD...
APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Richard...
9-17-78

TABLE OF CURVE DATA

No.	Radius	Delta	Tan.	Arc	Chord	Chord Bearing
6	48.28'	45° 0' 0"	20.0'	37.92'	36.96'	S 22° 48' 31" E
7	125.0'	46° 29' 48"	59.70'	101.44'	98.68'	S 33° 56' 18" W
8	100.0'	18° 58' 23"	12.26'	24.39'	24.39'	S 67° 12' 2" W

SITE PLAN
SCALE: 1" = 30'

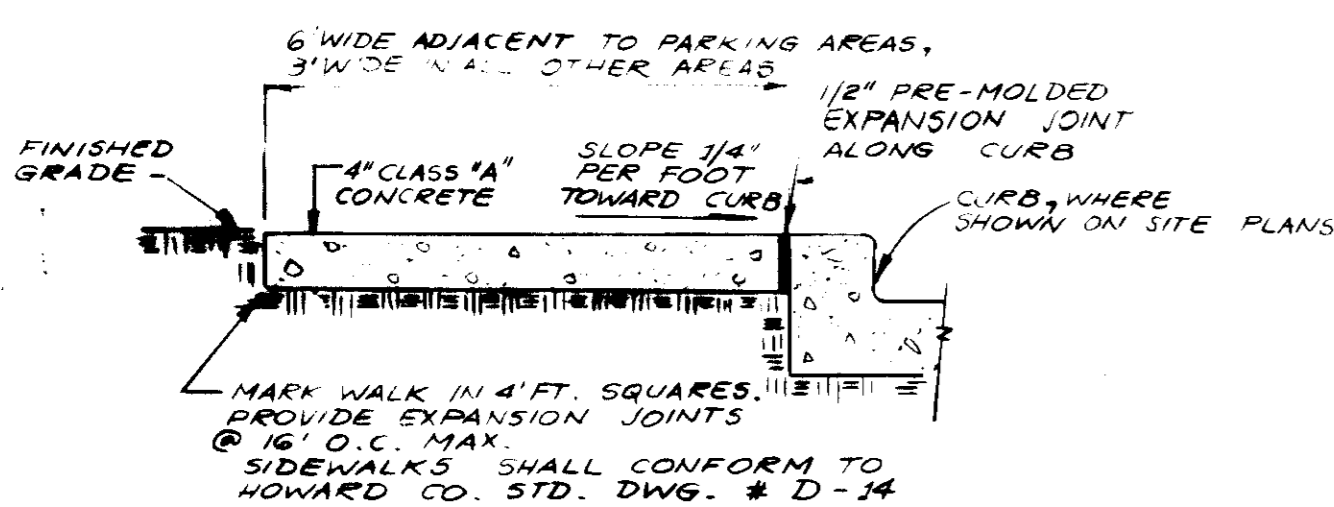
PROJECT CONTROL ENGINEERING PROJECT NUMBER 6014 PROJECT ENGINEER J.L.F.
 REVISIONS DATE MARCH 1978 ILLUSTRATION M.J.G.
 SCALE 1" = 30' APPROVAL

MARBLE HILL P.B. 3800-3000
 HARWOOD - FIRST ELECTION DISTRICT PARCEL NUMBER 568
 TAX MAP NUMBER 37 HOWARD COUNTY, MARYLAND
SITE DEVELOPMENT PLAN

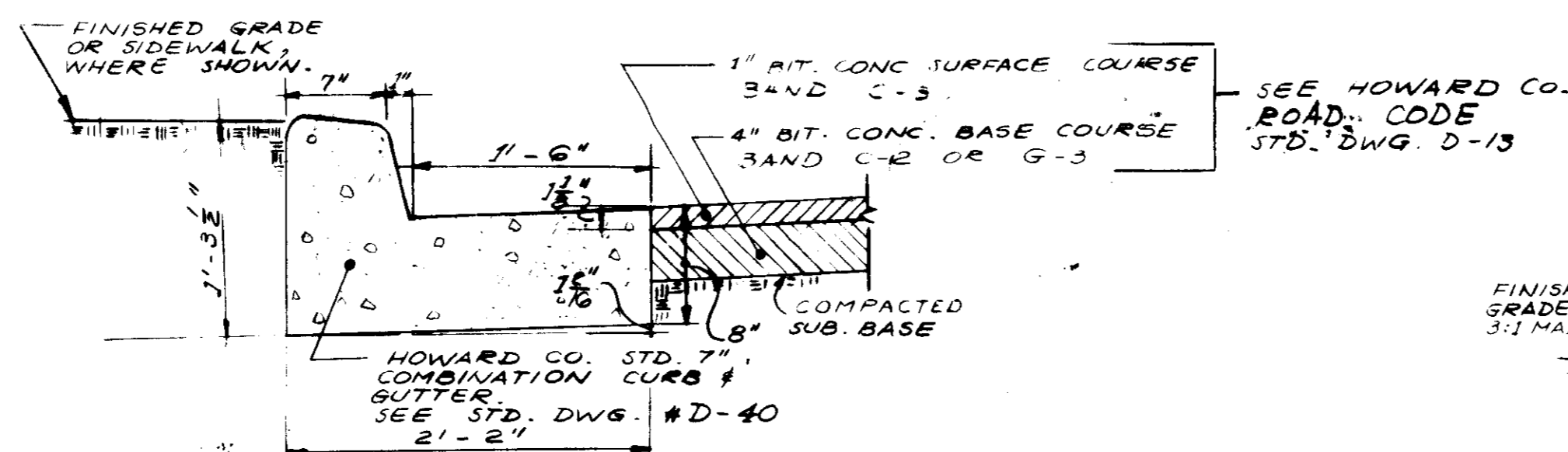
Kamber Engineering
 2301 RESEARCH BOULEVARD
 ROCKVILLE, MARYLAND 20850
 PHONE 301-540-1030

APPROVED FOR PUBLIC WATER AND SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 9-17-78
 REWARD...
 APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Richard...
 9-17-78

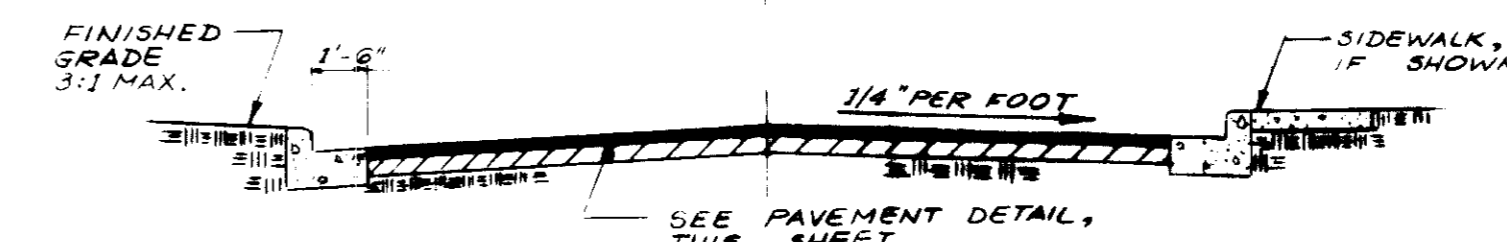
4 16
 568-78-115



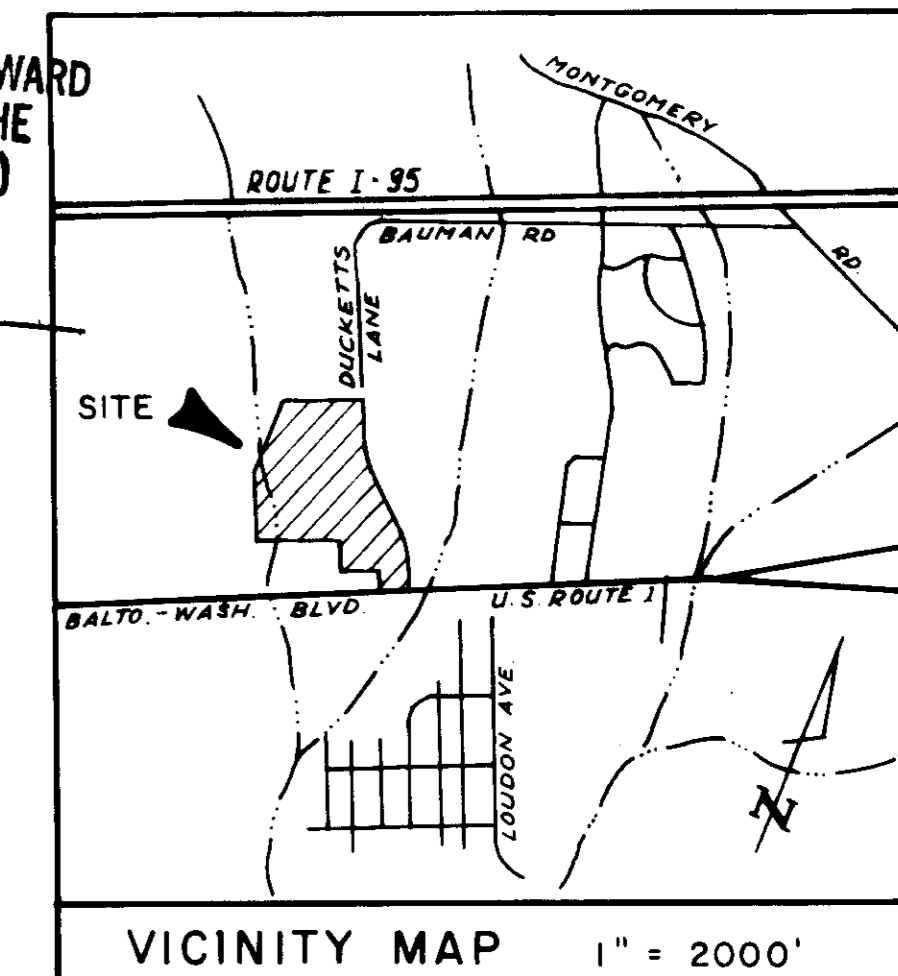
TYPICAL SIDEWALK DETAIL
NO SCALE



TYPICAL PAVING DETAIL
NO SCALE

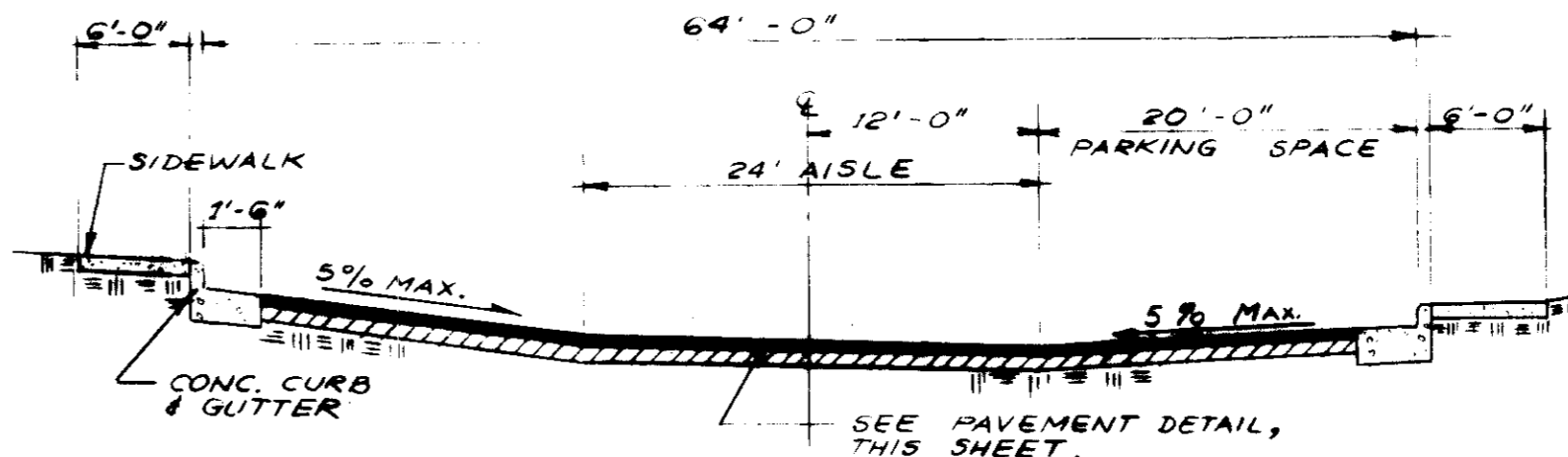


TYPICAL DRIVEWAY SECTION
SCALE 1" = 5'-0"



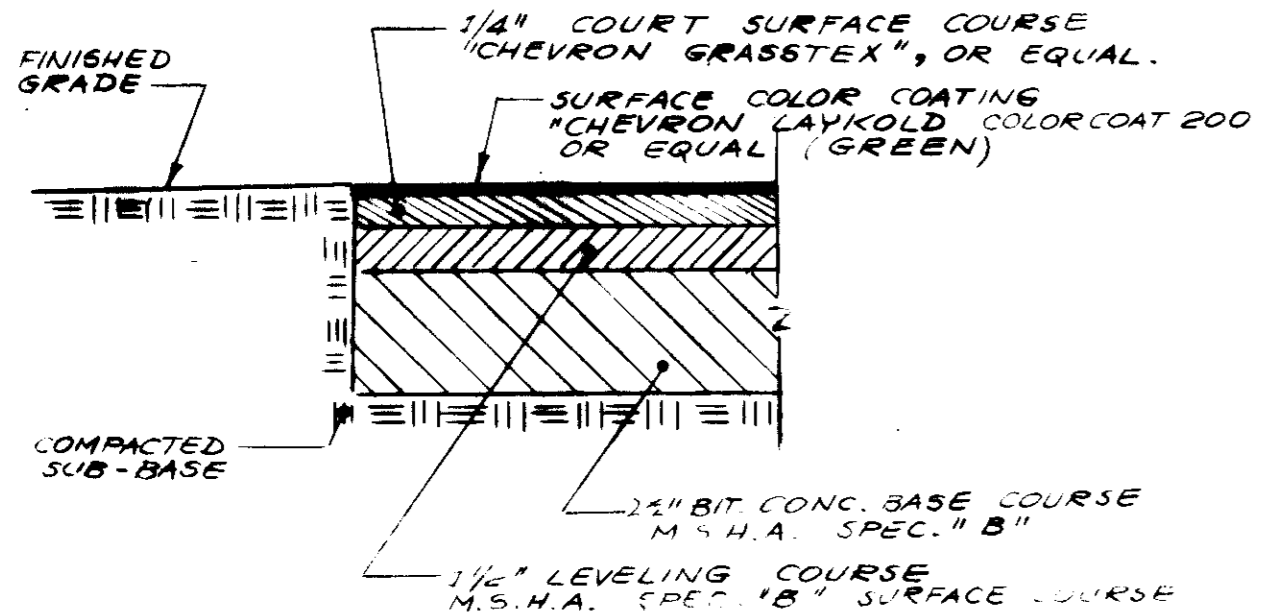
VICINITY MAP
SCALE 1" = 2000'

PAVING NOTES:
 1) ALL CONSTRUCTION AND MATERIAL SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE & STD. SPECIFICATIONS.
 2) A TACK COAT IS REQUIRED IN ACCORDANCE WITH SECTION C-31-4 OF THE HOWARD COUNTY ROAD CONSTRUCTION CODE & SPECIFICATIONS.
 3) BASE WILL BE PRINED IN ACCORDANCE WITH SECTION C-30-3 OF THE HOWARD COUNTY ROAD CONSTRUCTION CODE & SPECIFICATIONS.

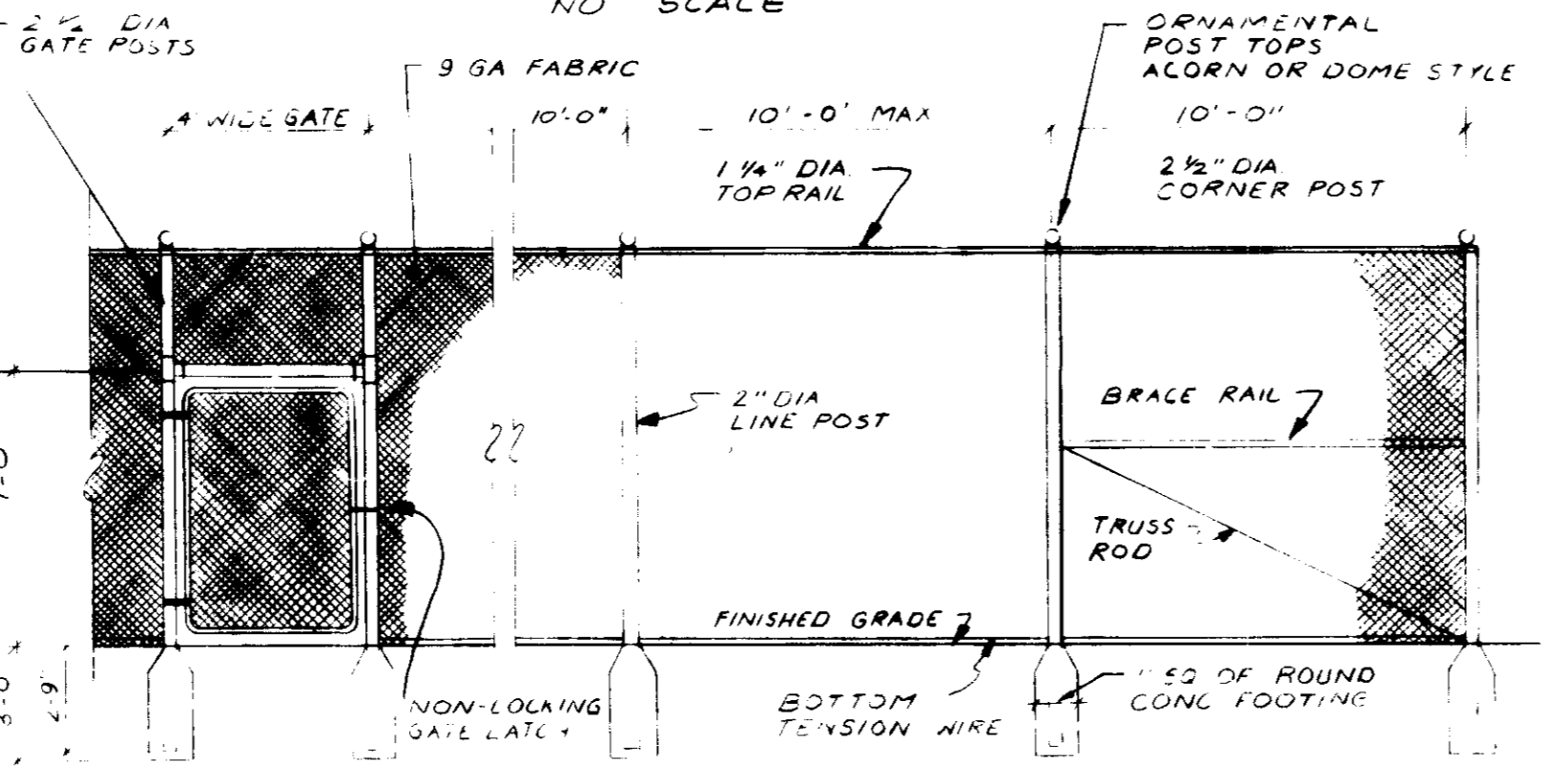


TYPICAL SECTION THRU PARKING AREA
SCALE 1" = 10'-0"

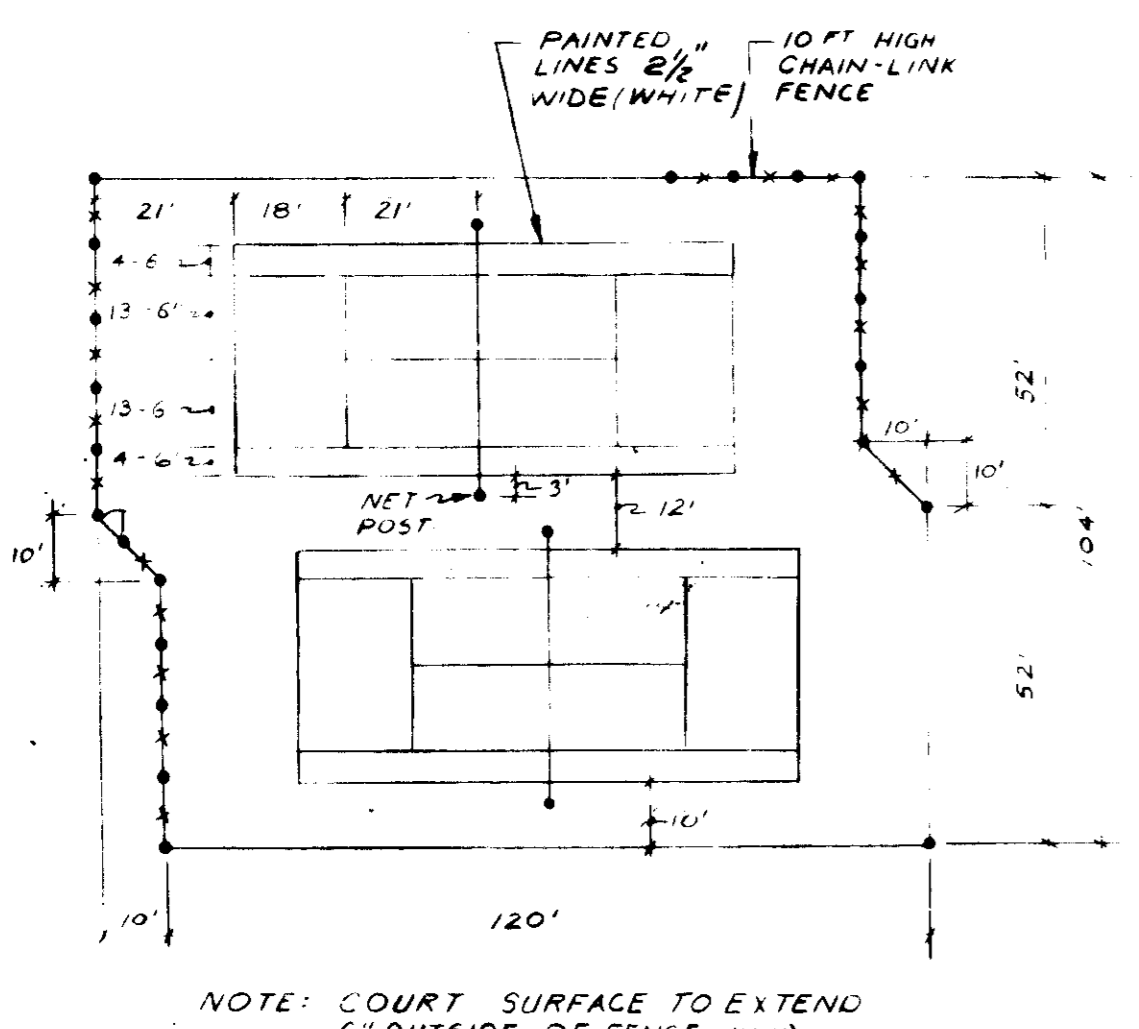
CONSTRUCTION SPECIFICATIONS:
 I. SITE PREPARATION
 Areas under the embankment and structural works shall be cleared, grubbed and the topsoil stripped to remove all trees, vegetation, roots or other objectionable material. To facilitate clean out and re-vegetation, it is recommended that the permanent pool area be cleared of all brush and trees.
 II. FILL
 The fill material shall be taken from approved designated borrow area or areas. It shall be free from roots, stumps, wood, rubbish, over-size stones, frozen or other objectionable materials. The embankment shall be constructed to an elevation which provides for anticipated settlement to the design elevation. The fill height shall allow the length of the embankment shall be increased at least 10 percent above the design elevation (including freeboard) unless otherwise shown on the plans.
 III. CONSTRUCTION
 Areas of embankment to be placed shall be constructed in 10 percent lifts (before compaction). Layers which are to be continuous over the entire length of the fill. The most porous borrow material shall be placed in the downstream portions of the embankment.
 IV. CONSTRUCTION
 The movement of the hauling and spreading equipment over the fill shall be controlled so that the entire surface of each lift shall be traversed by not less than one tread track of the equipment or compaction shall be achieved by a minimum of four complete passes of a sheepsfoot, rubber tired or vibratory roller. Fill material shall contain sufficient moisture so that it can be formed into a ball without crumbling. If water can be squeezed out of the ball, it is too wet to compact properly.



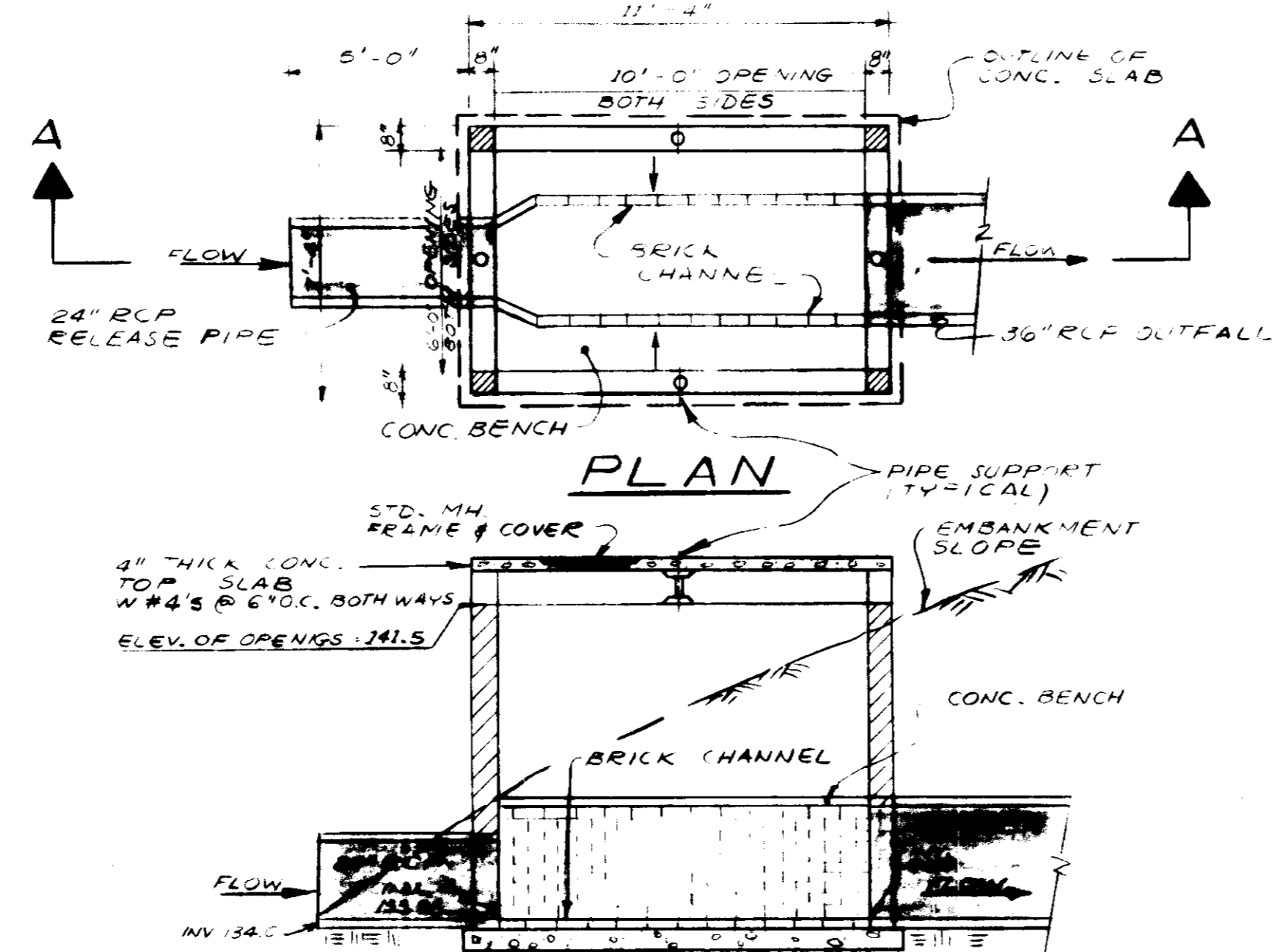
TENNIS COURT PAVING DETAIL
NO SCALE



TENNIS COURT FENCE DETAIL
NO SCALE



PLAN OF TENNIS COURTS
SCALE 1" = 30'

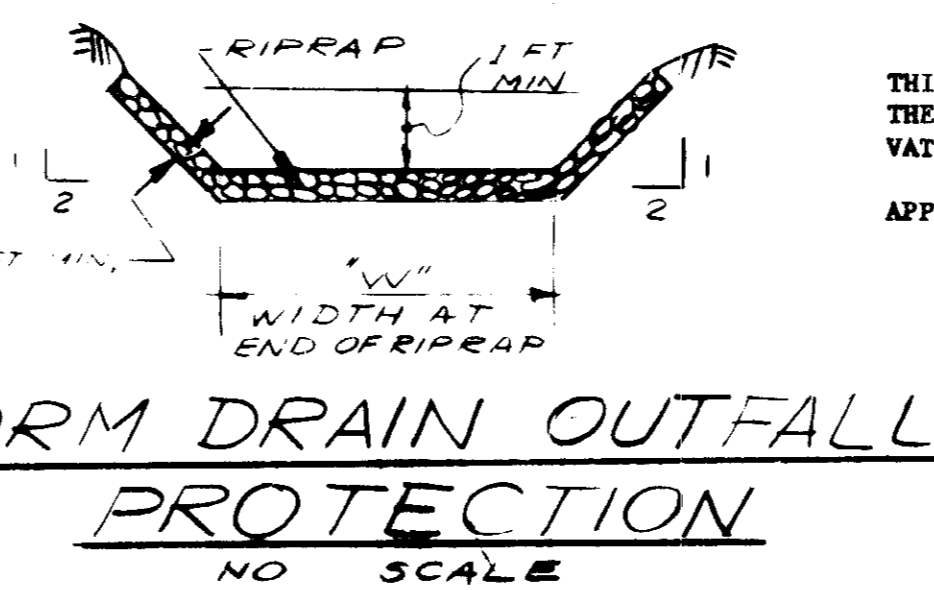


INLET I-18 DETAILS
NO SCALE

No.	TYPE	INV. IN	INV. OUT	TOP ELEV.	REMARKS
I-1	Howard Ct. STD. CL. 18" INLET	-	174.0	180.45	
I-2	"	172.4	172.0	178.8	
I-3	"	-	168.01	172.25	
I-4	"	164.07	159.05	167.75	ALSO 161.48 & 162.93 IN.
I-5	"	-	164.86	168.65	
I-6	"	164.44	164.19	168.00	
I-7	"	151.75	150.75	150.25	Gravel 5' 6" top
I-8	"	-	162.0	166.50	
I-9	"	160.80	160.0	164.50	
I-10	"	156.19	155.50	160.90	
I-11	"	153.15	149.0	157.00	ALSO 150.93 IN.
I-12	"	-	143.15	151.75	
I-13	"	-	152.0	156.50	
I-14	"	-	168.95	175.50	
I-15	"	161.25	160.39	166.50	
I-16	"	158.5	158.0	162.25	
I-17	"	157.92	157.25	162.25	
I-18	"	164.0	152.00	145.0	See Sheet 7 for Details
M-1	Howard Ct. STD. Manhole D 103	167.48	166.73	172.25	ALSO 167.73 IN.
M-2	"	165.98	165.33	167.25	
M-3	"	155.75	154.75	160.50	
M-4	"	147.15	145.0	152.45	
M-5	Howard Ct. Modified Drop MH-D 104	151.84	147.56	156.10	
EW-1	Howard Ct. STD. Type 'E' Concrete Endwall	-	162.5	-	Modification 1/2" 5'-8"
EW-2	"	145.00	-	-	
EW-3	"	133.0	-	-	
EW-4	"	147.56	-	-	
EW-5	"	153.50	-	-	

APPROVED
 DIVISION OF LAND DEVELOPMENT
 HOWARD COUNTY, MARYLAND
 DATE 8-15-78
 ANN

STRUCTURE NO.	W'	LENGTH	MEDIAN STONE SIZE
EW-1	12'	42'	8"
EW-2	18'	20'	6"
EW-3	10'	20'	4"
EW-4	10'	40'	4"
HW-1	10'	20'	8"



STORM DRAIN OUTFALL PROTECTION
NO SCALE

THIS PLAN FOR SMALL POND CONSTRUCTION MEETS THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
 APPROVED: *Richard J. Jones* 9-5-78
 HOWARD SOIL CONSERVATION DISTRICT DATE

SIZE	TYPE	LENGTH
15"	R.C.P. CL. III	816 FT.
15"	R.C.P. CL. IV	824 FT.
27"	R.C.P. CL. IV	100 FT.
27"	R.C.P. CL. V	24 FT.
30"	R.C.P. CL. VI	75 FT.
36"	R.C.P. CL. VII	190 FT.

I HAVE ALSO INFORMED THE OWNER OF HIS RESPONSIBILITY TO HAVE THE CONSTRUCTION SUPERVISED AND CERTIFIED BY A REGISTERED PROFESSIONAL ENGINEER WITHIN THIRTY (30) DAYS OF COMPLETION.

APPROVED FOR PUBLIC WATER AND SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER _____ DATE _____

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING

PLANNING DIRECTOR _____ DATE _____

CHIEF, DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING _____ DATE _____

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

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR _____ DATE _____

CHIEF, BUREAU OF ENGINEERING _____ DATE _____

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

APPROVED: *Richard J. Jones* DATE 9-5-78
 HOWARD SOIL CONSERVATION DISTRICT

REVIEWED FOR HOWARD COUNTY

NAME _____ S.C.D. _____

AND MEETS TECHNICAL REQUIREMENTS
C. Williams DATE 9-9-78
 SIGNATURE

U.S. SOIL CONSERVATION SERVICE

ENGINEER'S 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.

John J. Watt 8/25/78
 DATE

ENGINEER'S CERTIFICATION
 I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE IN ACCORDANCE WITH THE PLAN OF DEVELOPMENT AND SECTION AND EROSION CONTROL AND A LATER APPROVED PLAN ON-SITE IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

John J. Watt 8/25/78
 DATE

APPROVED FOR PUBLIC WATER AND SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT

John J. Watt 9-15-78
 COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING

John J. Watt 9-21-78
 PLANNING DIRECTOR DATE

CHIEF, DIVISION OF LAND DEVELOPMENT
John J. Watt 9-21-78
 DATE

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

John J. Watt 9/21/78
 DIRECTOR DATE

John J. Watt 9/21/78
 CHIEF, BUREAU OF ENGINEERING DATE

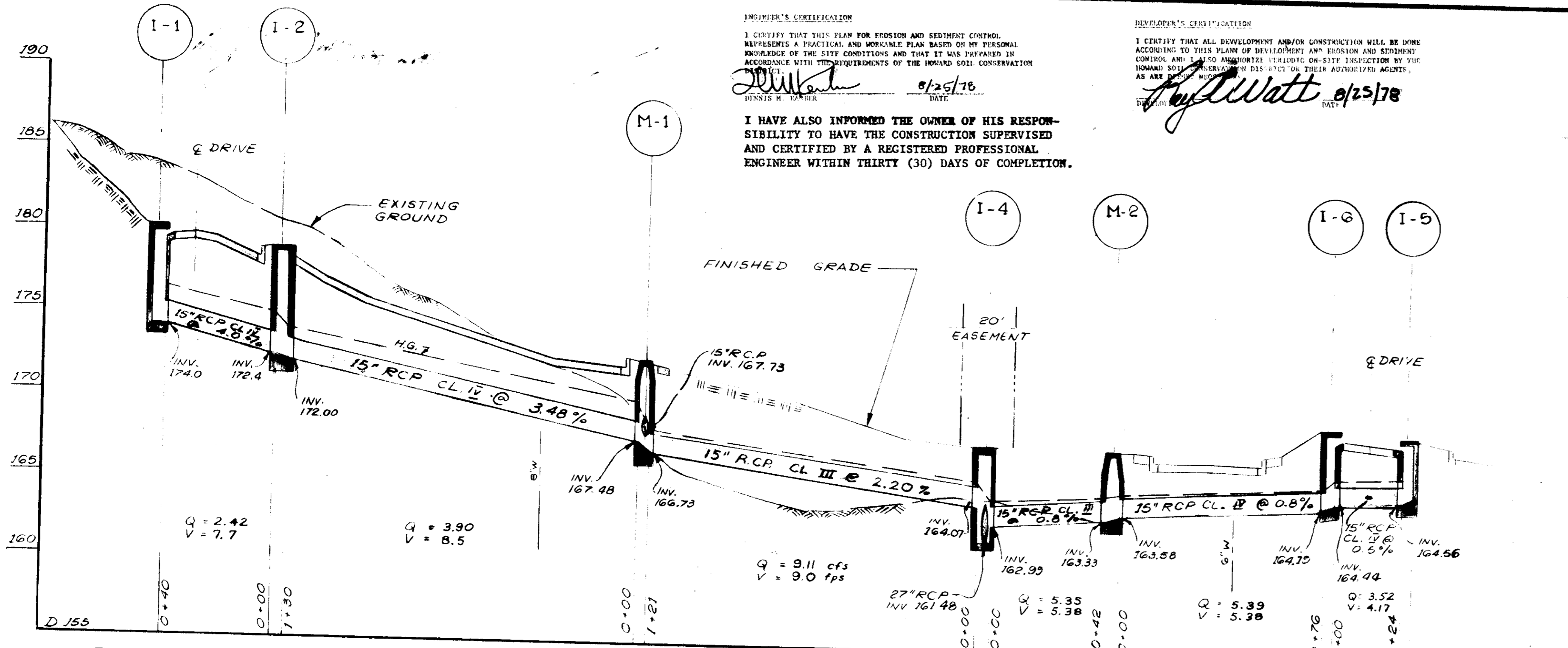
PROJECT CONTROL
 PROJECT NUMBER 6014
 DATE MARCH 1978
 SCALE AS NOTED

REVISIONS
 PROJECT NUMBER 568
 PARCEL NUMBER 37
 TAX MAP NUMBER 162.93 IN.
 MARBLE HILL
 HARWOOD-FIRST ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

SITE CONSTRUCTION DETAILS

Kamber Engineering
 2301 RESEARCH BOULEVARD
 ROCKVILLE, MARYLAND 20850
 PHONE: (301) 840-1030

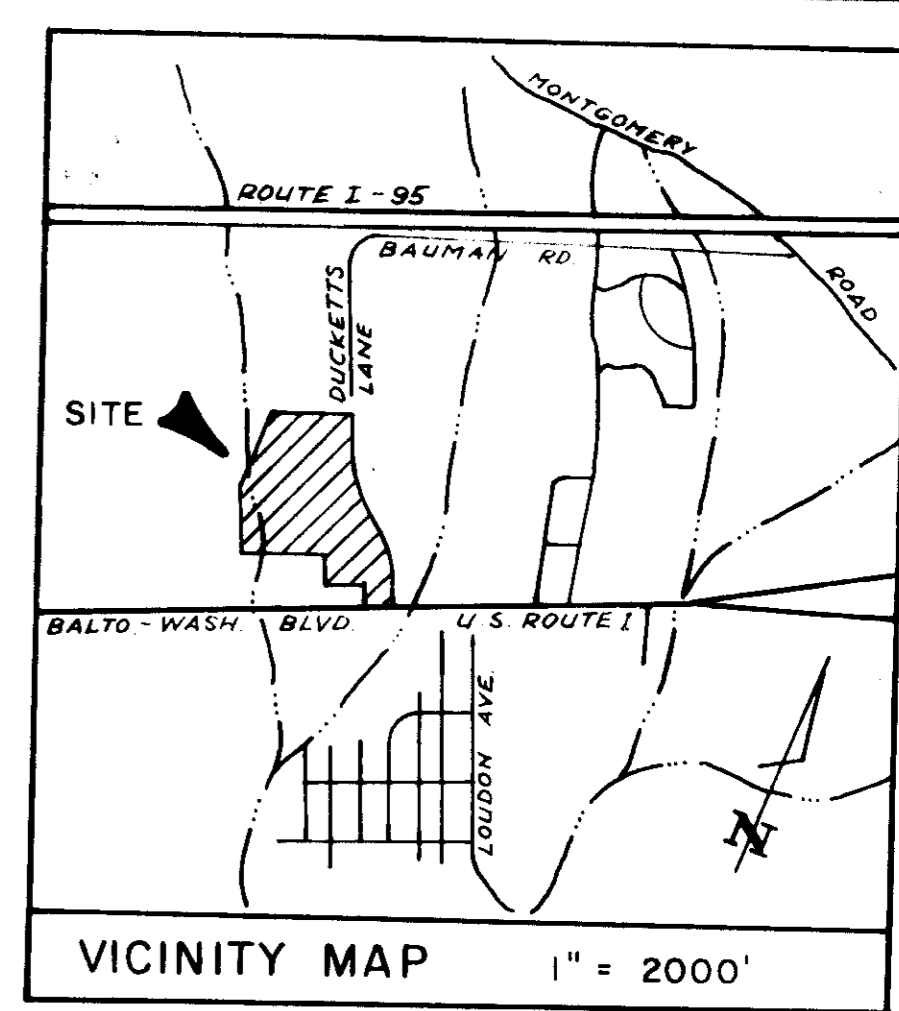
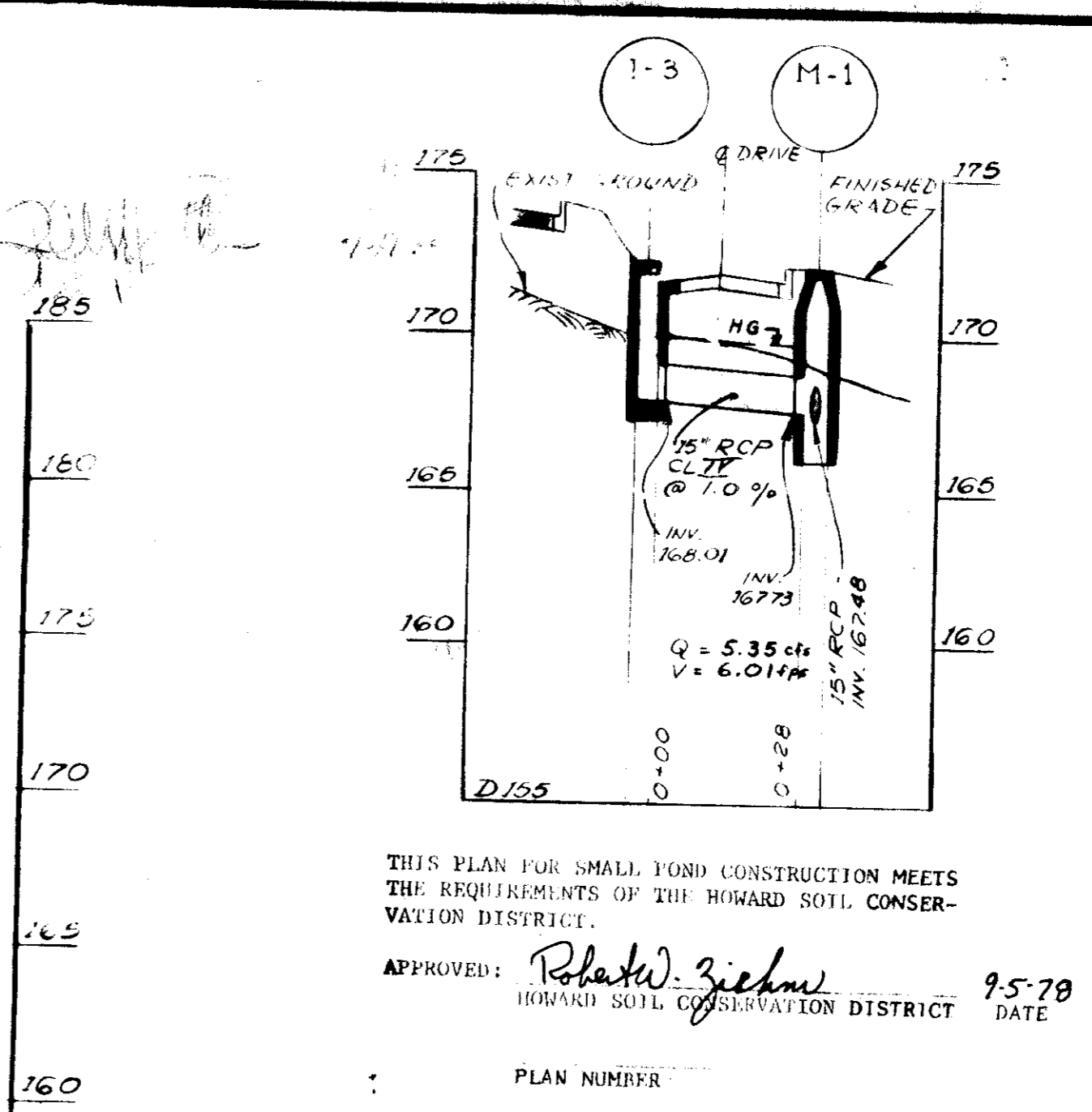




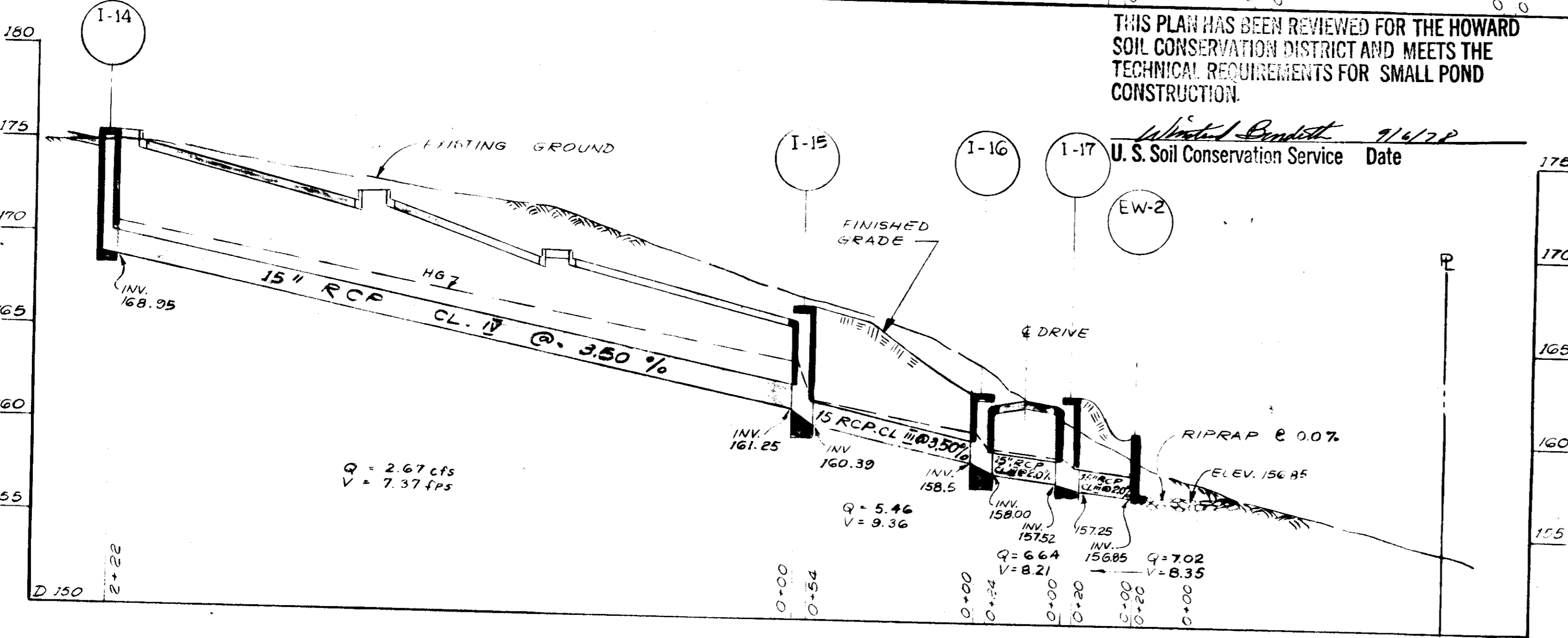
DESIGNER'S CERTIFICATION
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL, NEIGHBOR'S PROTECTION AND WORKING PLAN BASIS ON THE PRELIMINARY RECORD OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
 DENNIS R. WATT 8/25/78 DATE

DEVELOPER'S CERTIFICATION
 I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND EROSION AND SEDIMENT CONTROL AND I AGREE TO MAINTAIN THROUGHOUT THE CONSTRUCTION PERIOD AND TO MAINTAIN THROUGHOUT THE CONSTRUCTION PERIOD AND TO MAINTAIN THROUGHOUT THE CONSTRUCTION PERIOD AND TO MAINTAIN THROUGHOUT THE CONSTRUCTION PERIOD.
 Robert W. Ziehm 8/25/78 DATE

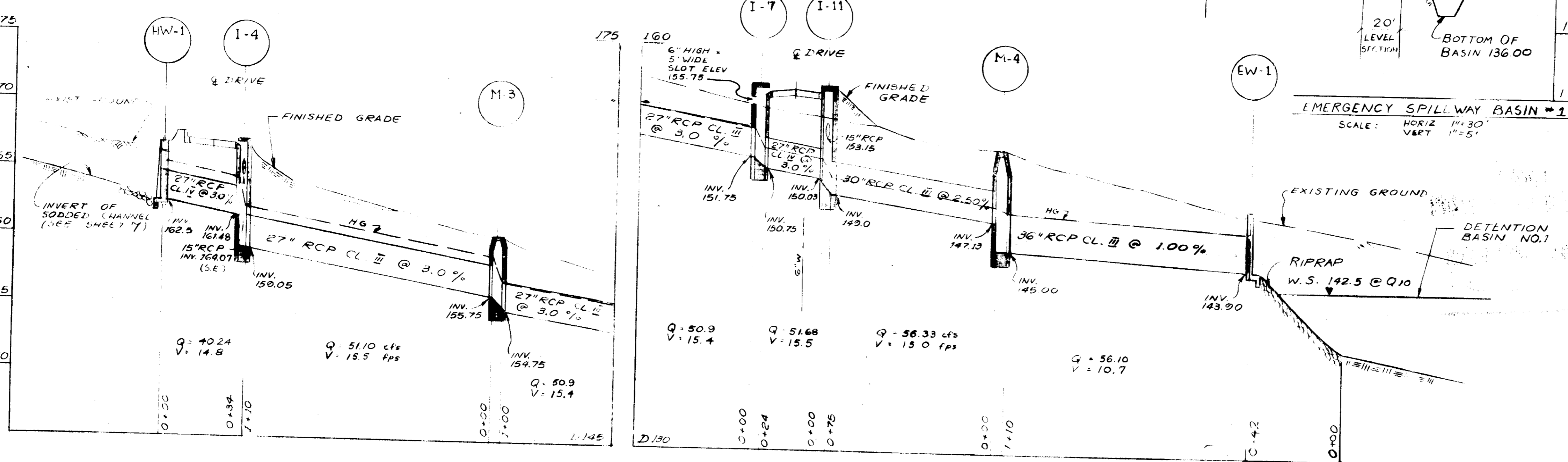
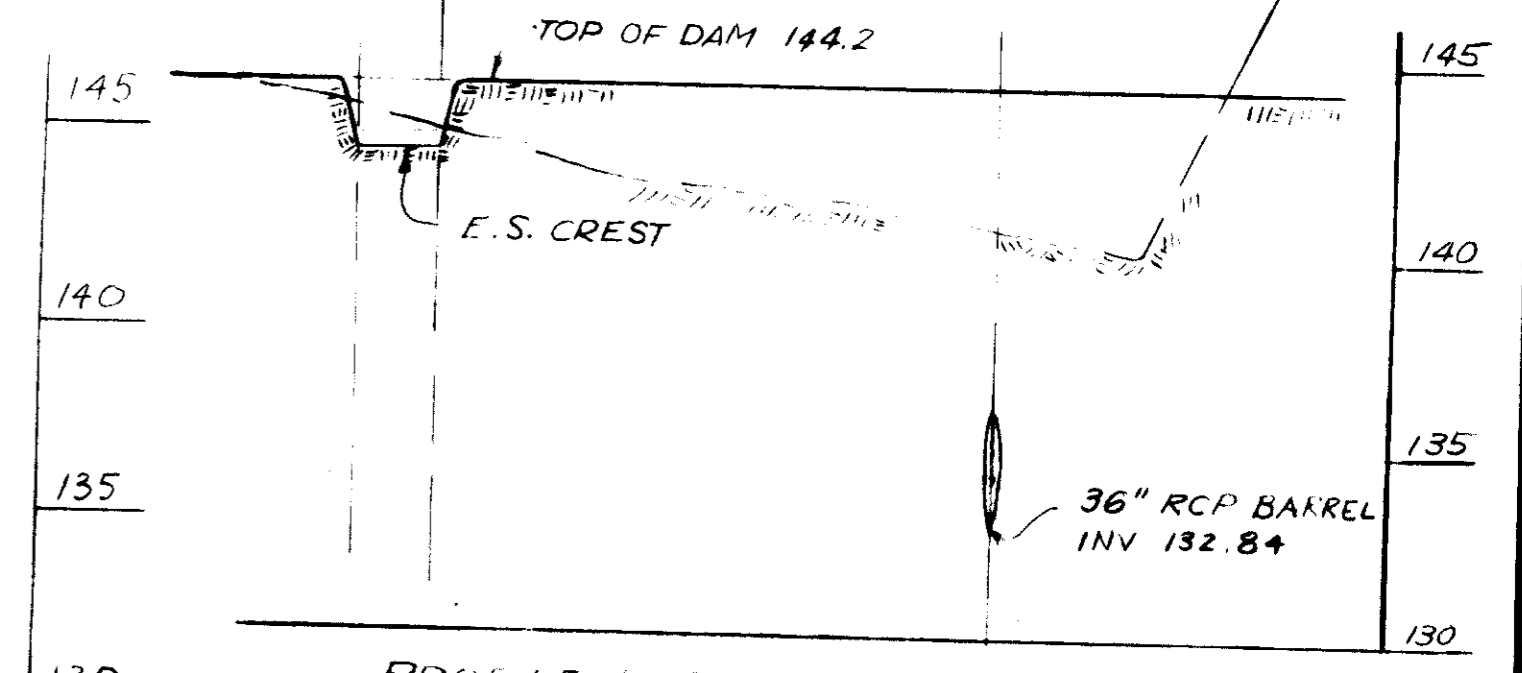
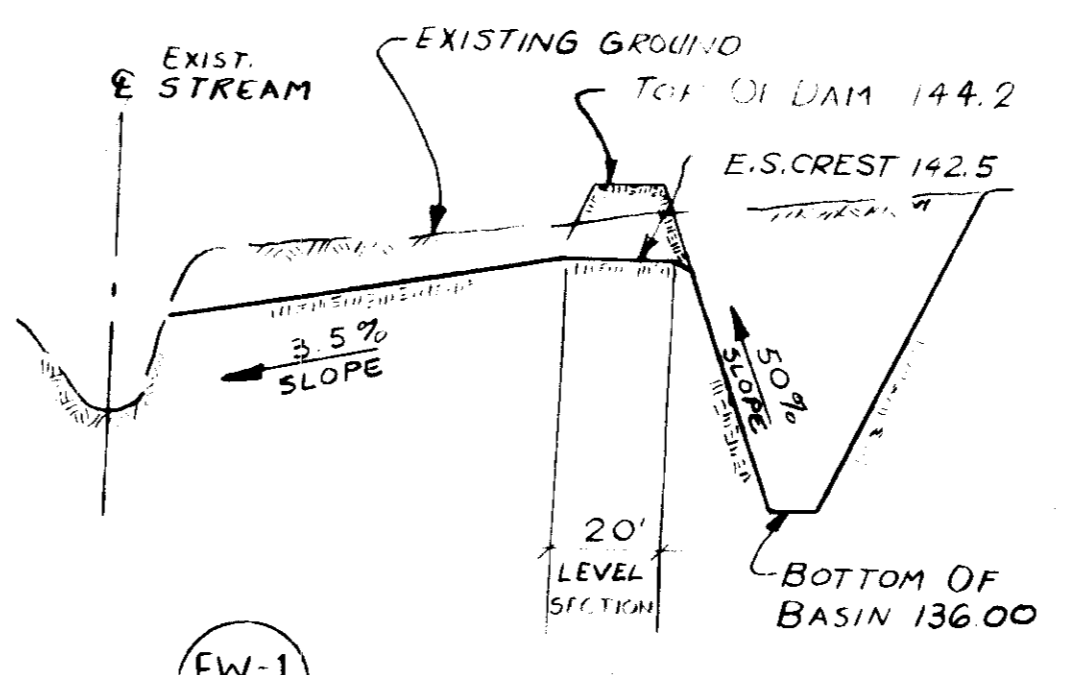
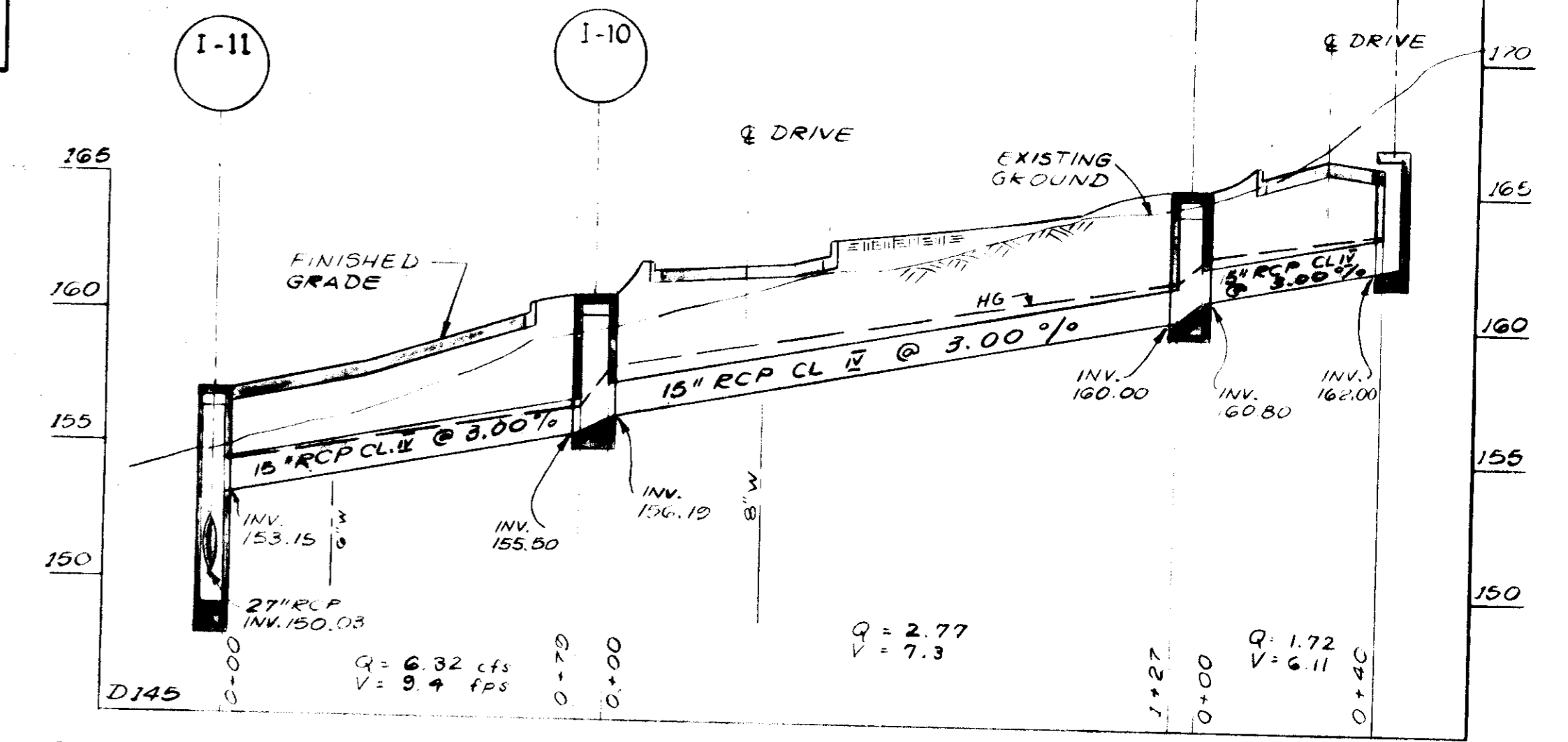
I HAVE ALSO INFORMED THE OWNER OF HIS RESPONSIBILITY TO HAVE THE CONSTRUCTION SUPERVISED AND CERTIFIED BY A REGISTERED PROFESSIONAL ENGINEER WITHIN THIRTY (30) DAYS OF COMPLETION.



THIS PLAN FOR SMALL POND CONSTRUCTION MEETS THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
 APPROVED: Robert W. Ziehm 9-5-78
 HOWARD SOIL CONSERVATION DISTRICT DATE



THIS PLAN HAS BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION.
 U.S. Soil Conservation Service Date 9/14/78



APPROVED
 DIVISION OF LAND DEVELOPMENT
 HOWARD COUNTY, MARYLAND
 DATE 8-15-78

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 APPROVED: Robert W. Ziehm 9-5-78
 HOWARD S.C.D. DATE
 REVIEWED FOR: Howard S.C.D. NAME
 AND MEETS TECHNICAL REQUIREMENTS
 Signature: Robert W. Ziehm DATE: 9-5-78
 U.S. SOIL CONSERVATION SERVICE

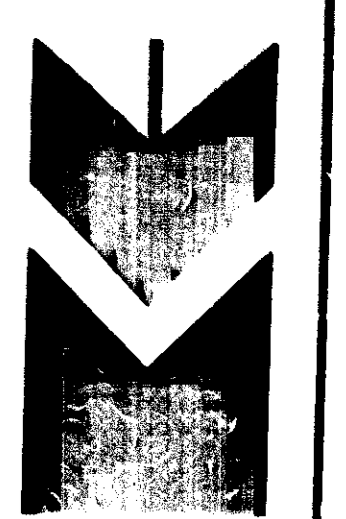
APPROVED FOR PUBLIC WATER AND SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: [Signature] DATE: 9-15-78
 APPROVED FOR PLANNING AND ZONING
 PLANNING AND ZONING OFFICER: [Signature] DATE: 9-21-78
 APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: [Signature] DATE: 9/16/78
 CHIEF, BUREAU OF ENGINEERING: [Signature] DATE: 9-14-78

PROJECT CONTROL
 PROJECT NUMBER: 6014
 ENGINEER: J.L.F.
 DATE: MARCH, 1978
 ILLUSTRATION: G.S.
 APPROVAL: [Signature]

REVISIONS

MARBLE HILL P.B. 5699-2900
 HARWOOD-FIRST ELECTION DISTRICT
 TAX MAP NUMBER 37
 PARCEL NUMBER 568
 HOWARD COUNTY, MARYLAND
STORM DRAIN PROFILES

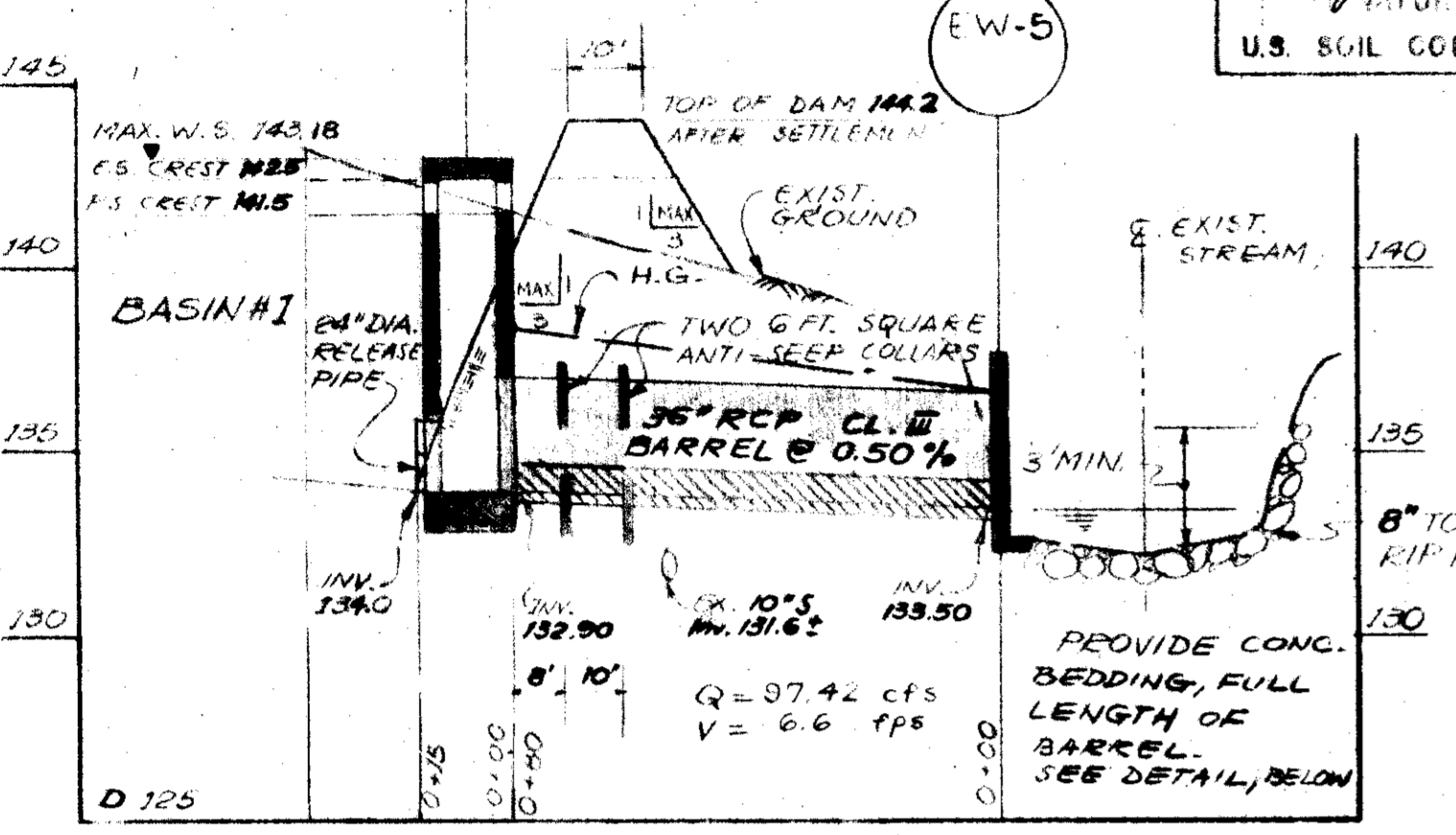
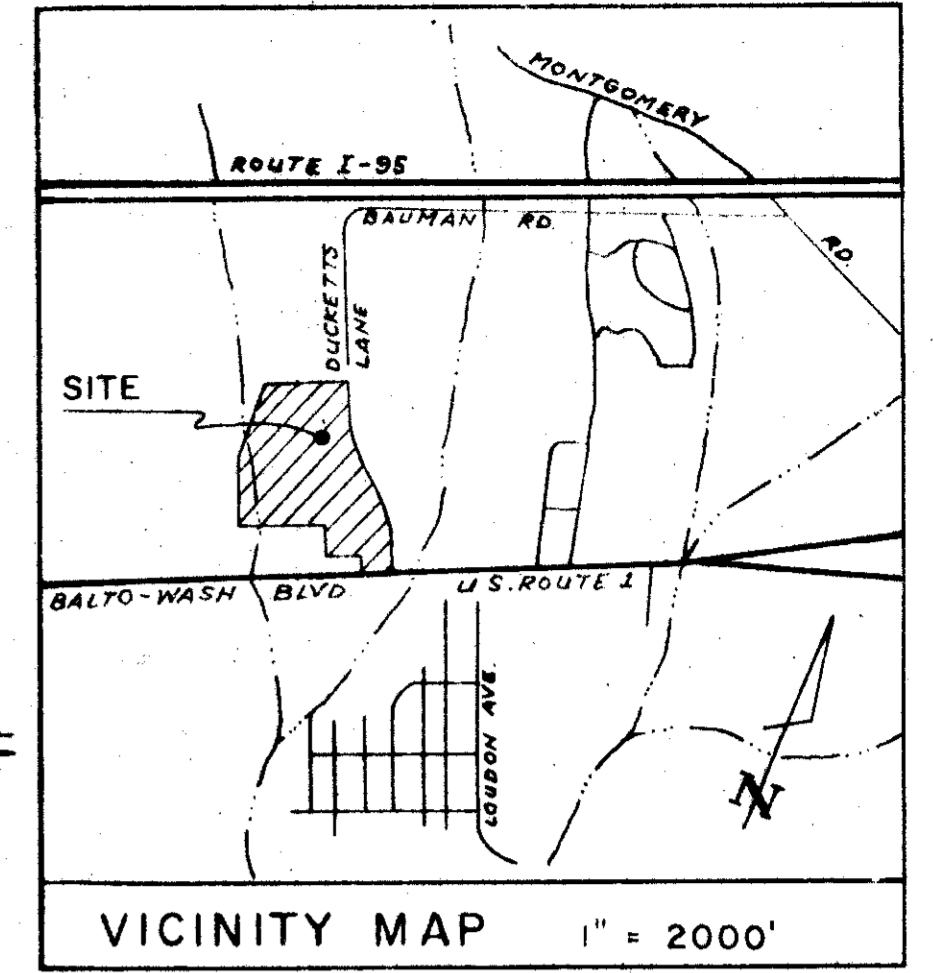
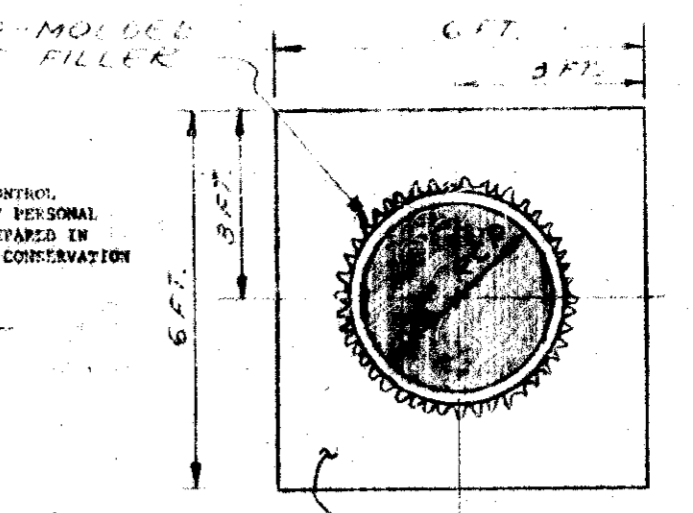
Kamber Engineering
 2301 RESEARCH BOULEVARD
 ROCKVILLE, MARYLAND 20850
 PHONE: (301) 840-1030



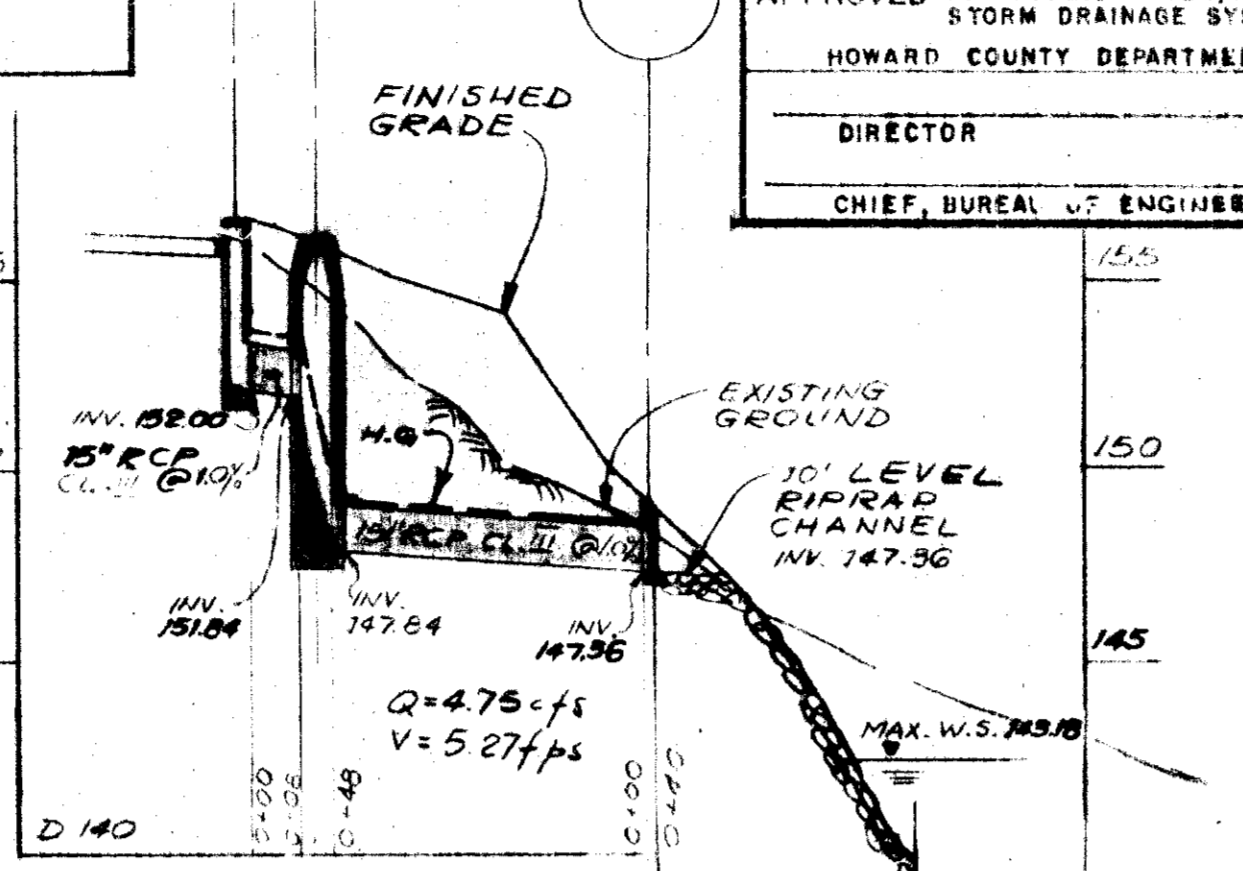
APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 APPROVED: *Robert Ziehm* DATE: 9-5-78
 REVIEWED FOR HOWARD COUNTY: *C. Wayne Ray* DATE: 9-7-78
 U.S. SOIL CONSERVATION SERVICE

APPROVED FOR PUBLIC WATER AND SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: _____ DATE: _____
 APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 PLANNING DIRECTOR: _____ DATE: _____
 CHIEF, DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING: _____ DATE: _____
 APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: _____ DATE: _____
 CHIEF, BUREAU OF ENGINEERING: _____ DATE: _____

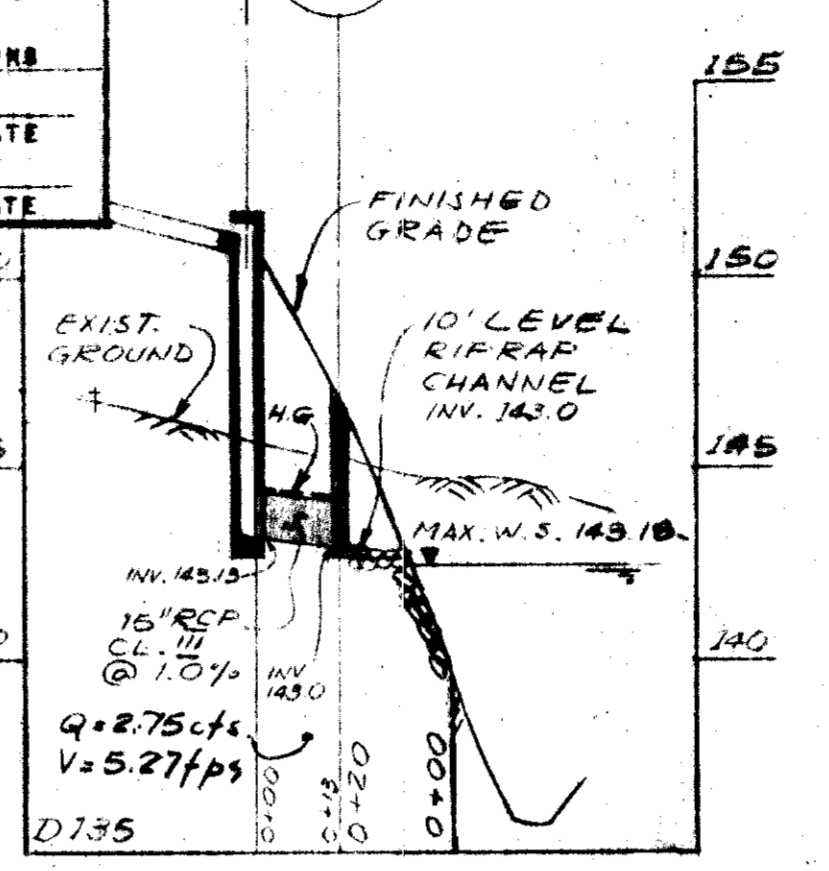
I HAVE ALSO INFORMED THE OWNER OF HIS RESPONSIBILITY TO HAVE THE CONSTRUCTION SUPERVISED AND CERTIFIED BY A REGISTERED PROFESSIONAL ENGINEER WITHIN THIRTY (30) DAYS OF COMPLETION.
 ENGINEER'S CERTIFICATION:
 I CERTIFY THAT THIS PLAN FOR FOUNDATION AND SEDIMENT CONTROL, REPRESENTS A FEASIBLE AND WORKABLE 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.
 DATE: 9/14/78
 [Signature]



BASIN #1 OUTFALL PROFILE
 SCALE: HORIZ: 1" = 30', VERT: 1" = 5'

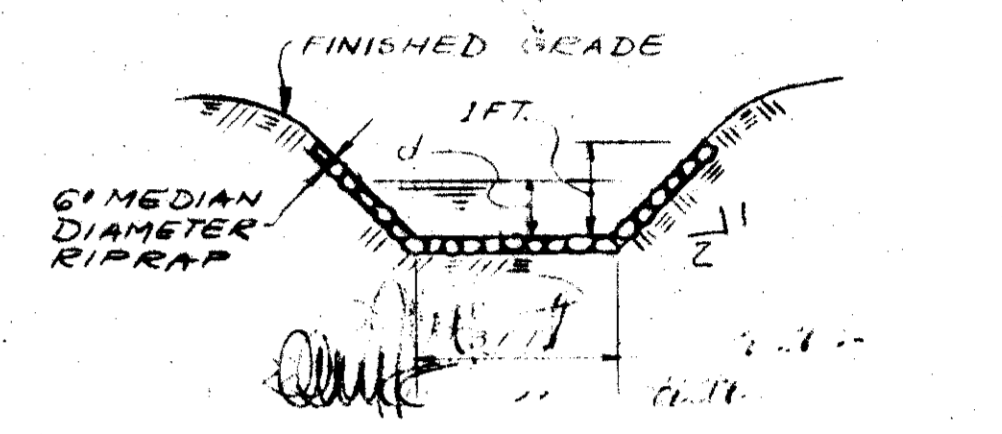


STORM DRAIN PROFILE
 SCALE: HORIZ: 1" = 30', VERT: 1" = 5'

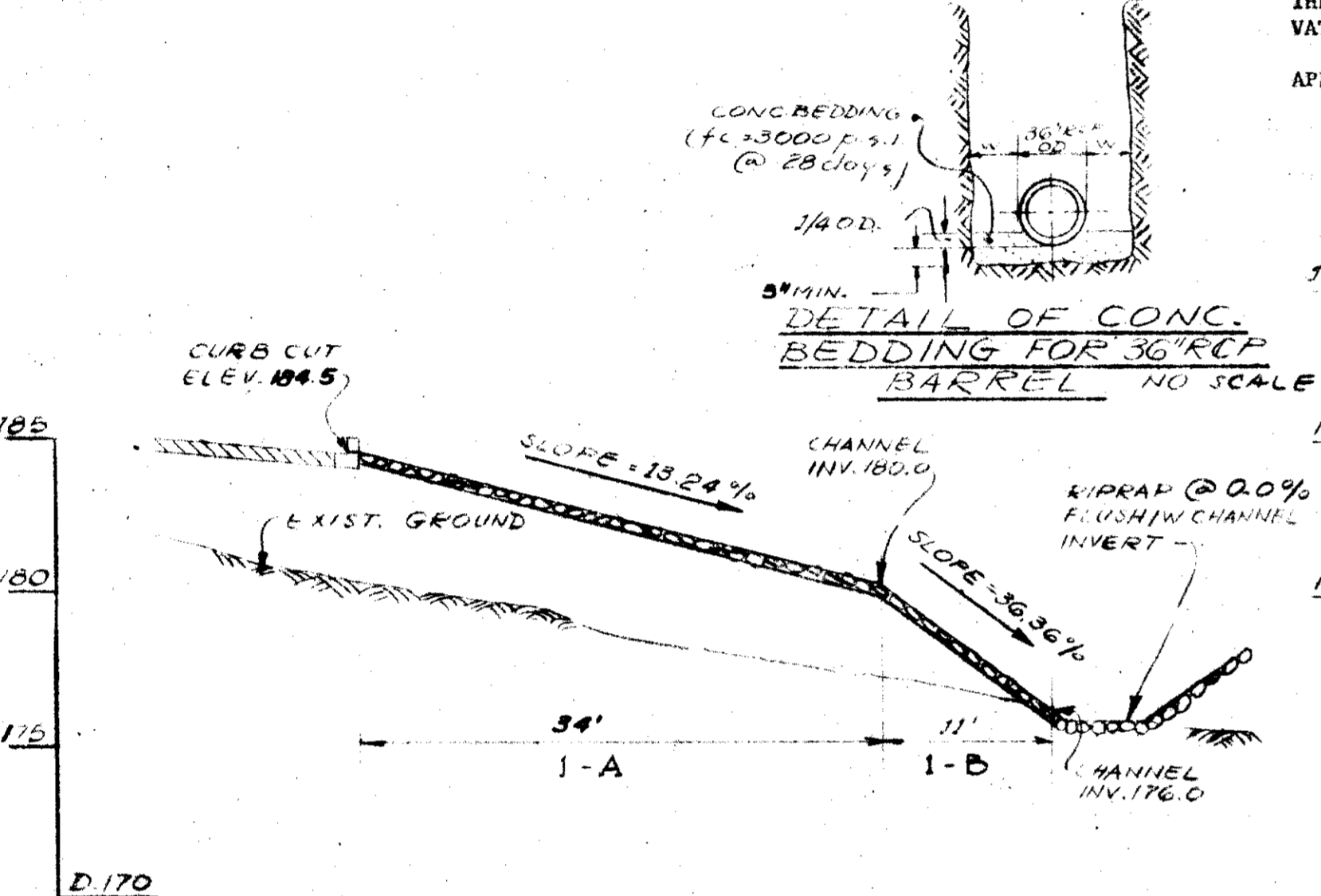


FLUME DESIGN TABLE

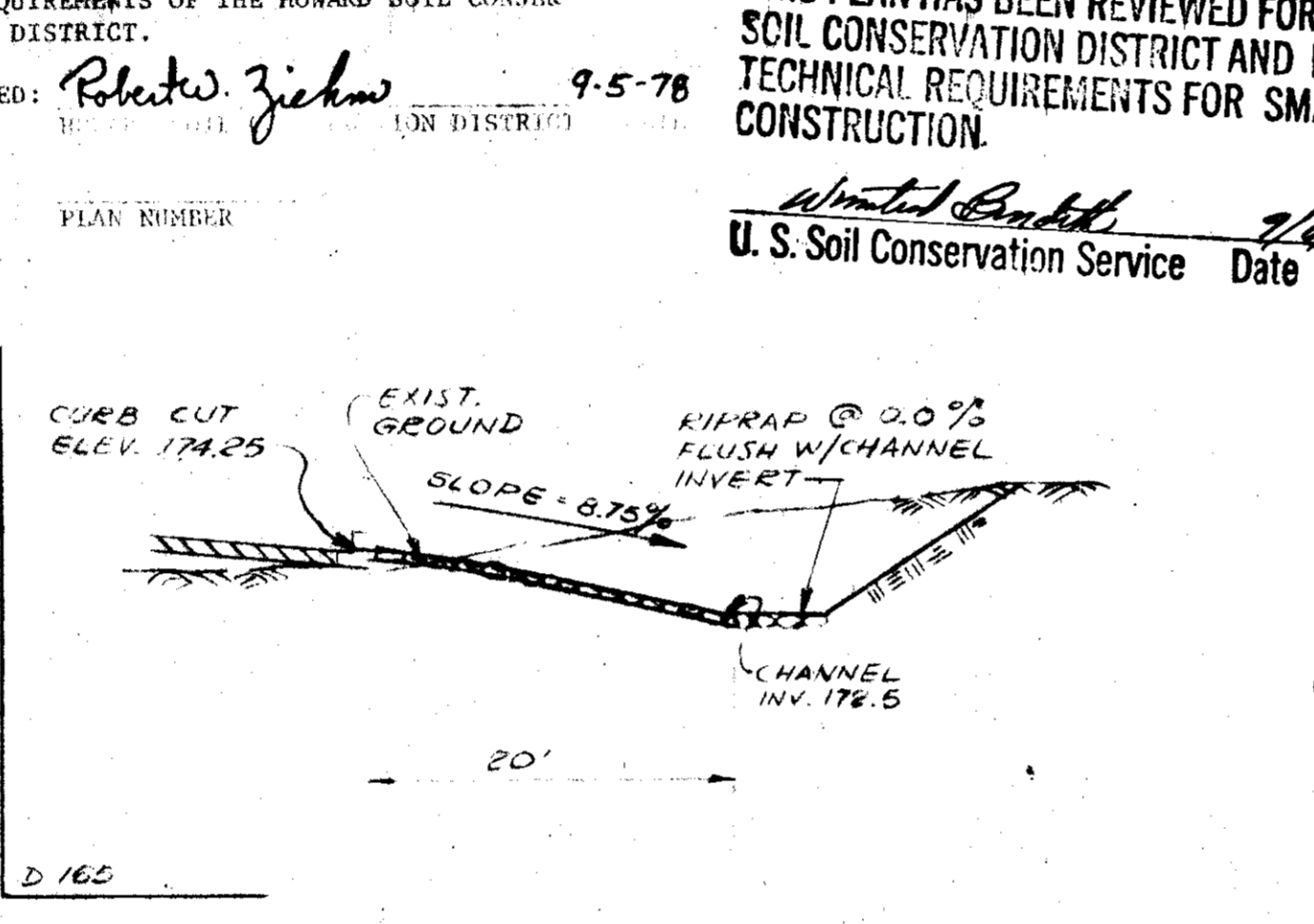
No.	Q, cfs	V, f.p.s.	d, depth of flow
1A	5.18	6.11	0.30 FT.
1B	5.18	7.93	0.20 FT.
2	2.11	3.92	0.20 FT.
3	3.68	3.67	0.20 FT.
4	2.95	3.37	0.25 FT.



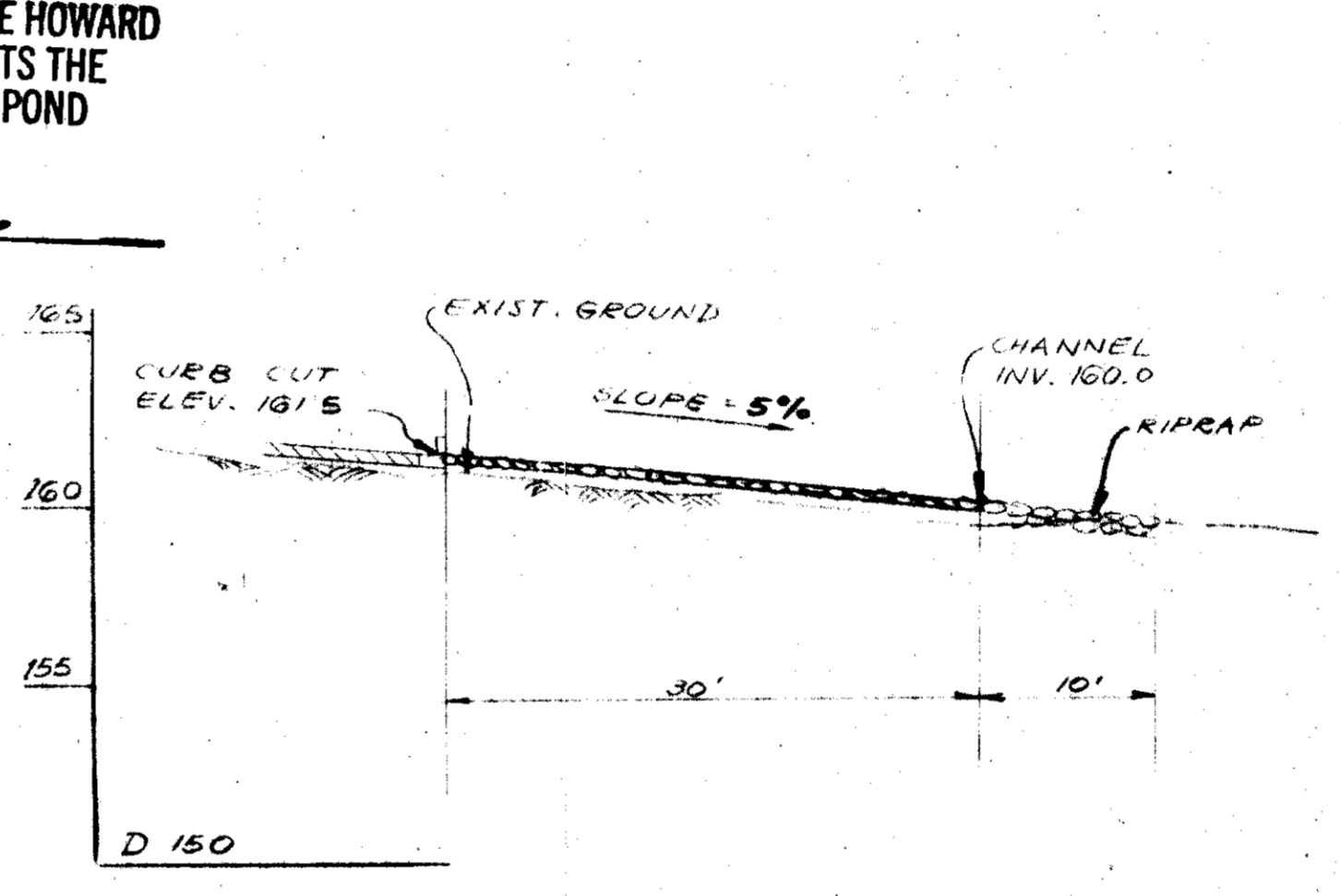
TYPICAL SECTION FLUMES #1, 2, 3 & 4
 NO SCALE



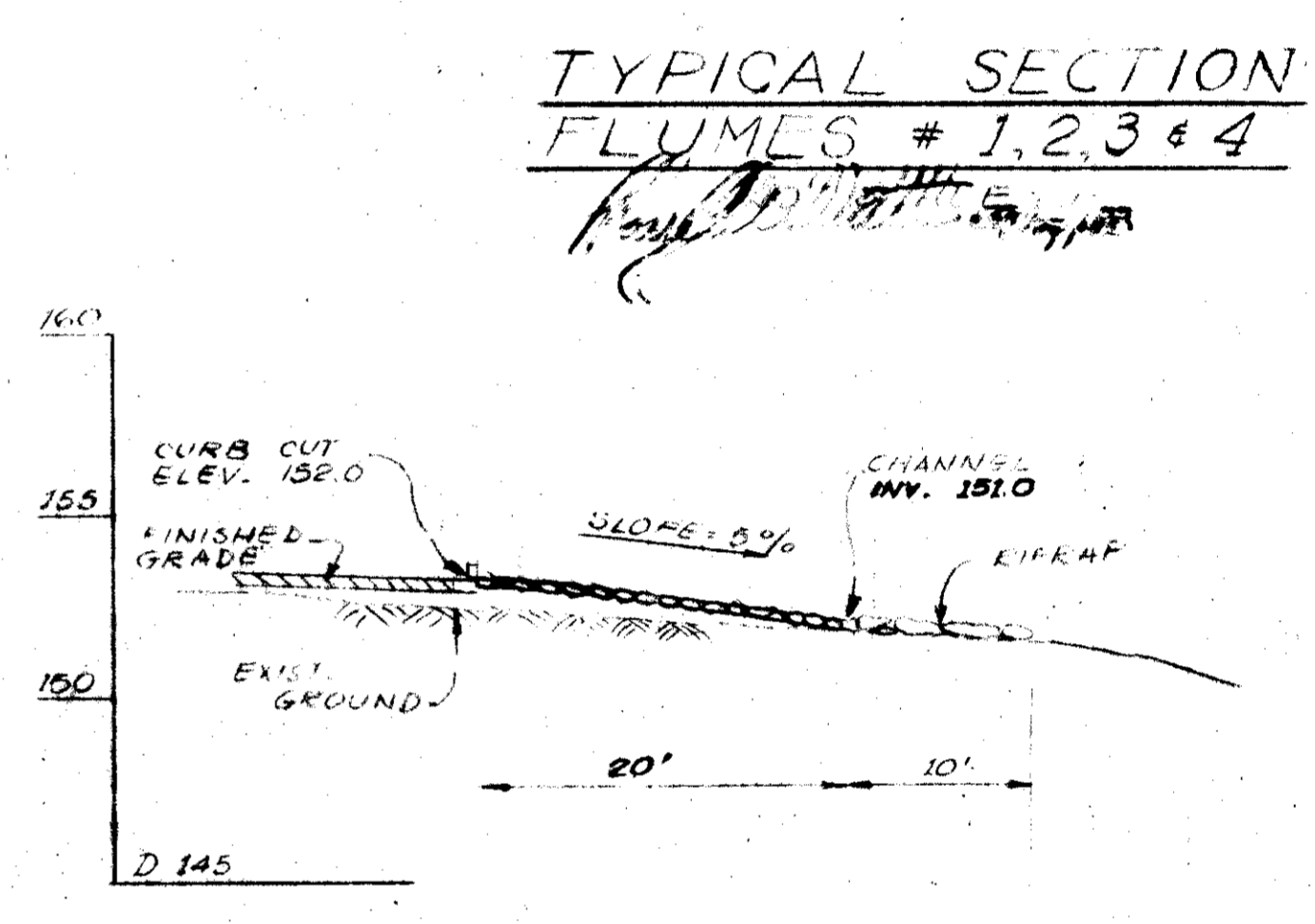
FLUME #1



FLUME #2

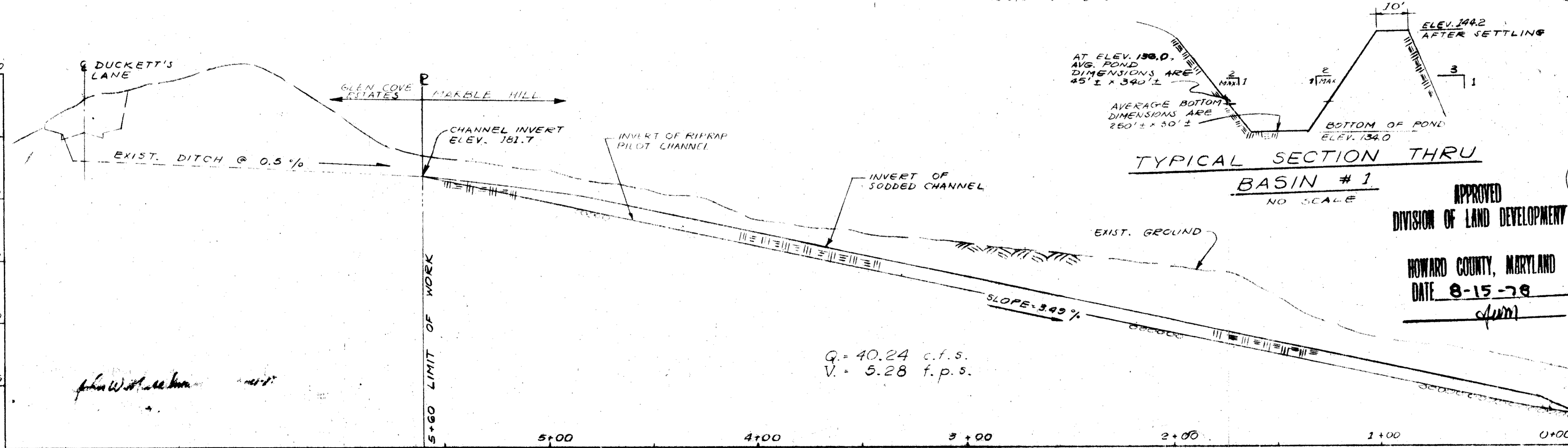


FLUME #3

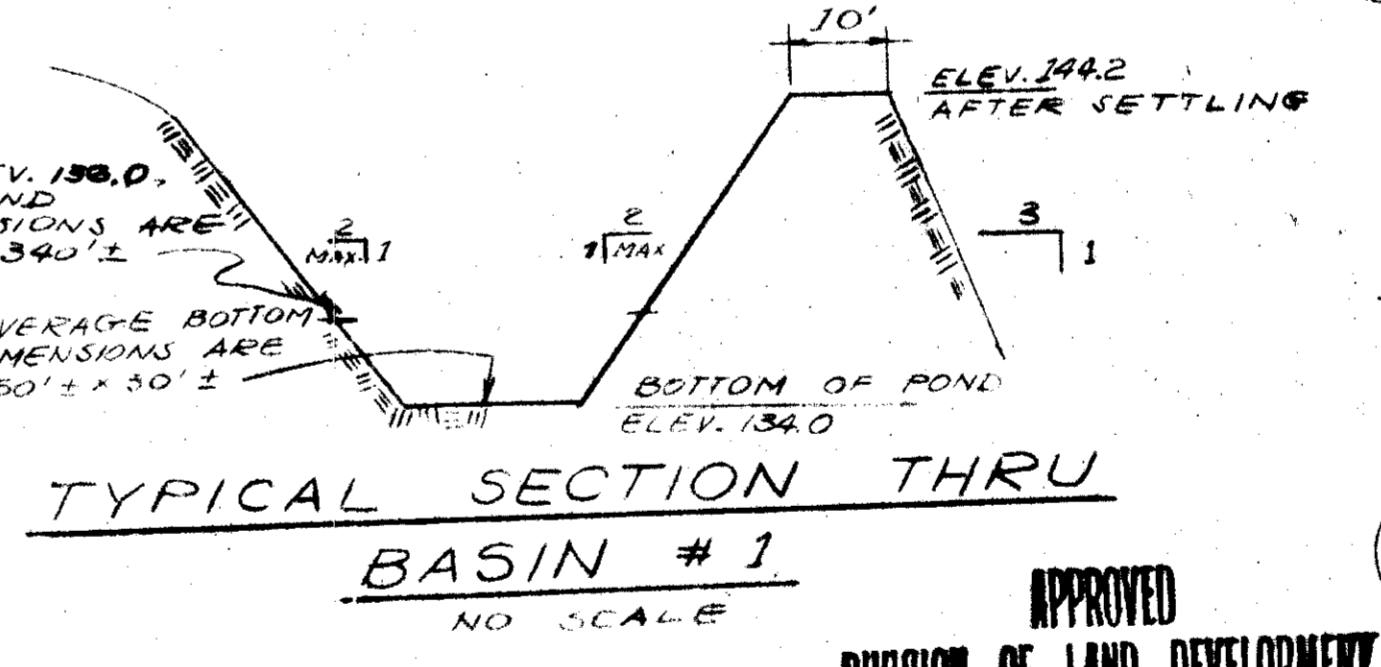


FLUME #4

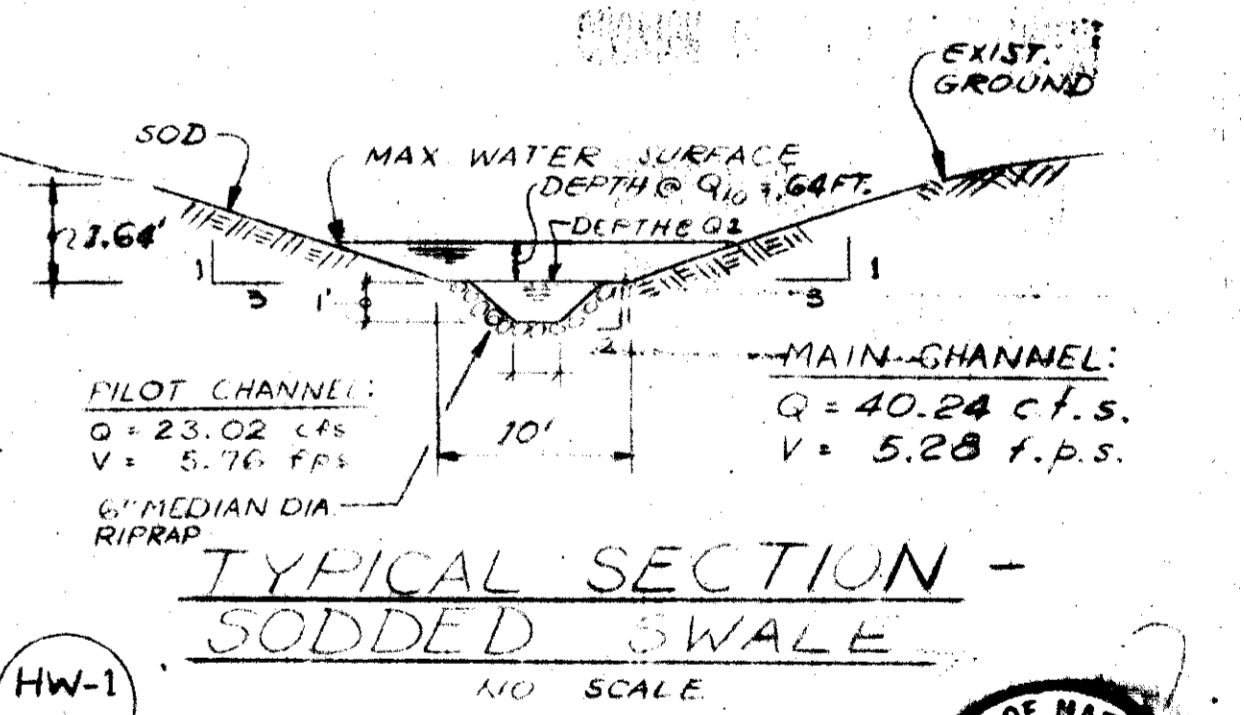
FLUME PROFILES (SEE SHEETS #2 & #4 FOR LOCATIONS OF FLUMES)
 SCALE: HORIZ: 1" = 10'-0", VERT: 1" = 5'-0"



SODDED CHANNEL PROFILE
 SCALE: HORIZ: 1" = 30', VERT: 1" = 5'



TYPICAL SECTION THRU BASIN #1
 NO SCALE



TYPICAL SECTION - SODDED SWALE
 NO SCALE

APPROVED
 DIVISION OF LAND DEVELOPMENT
 HOWARD COUNTY, MARYLAND
 DATE: 8-15-78
 [Signature]

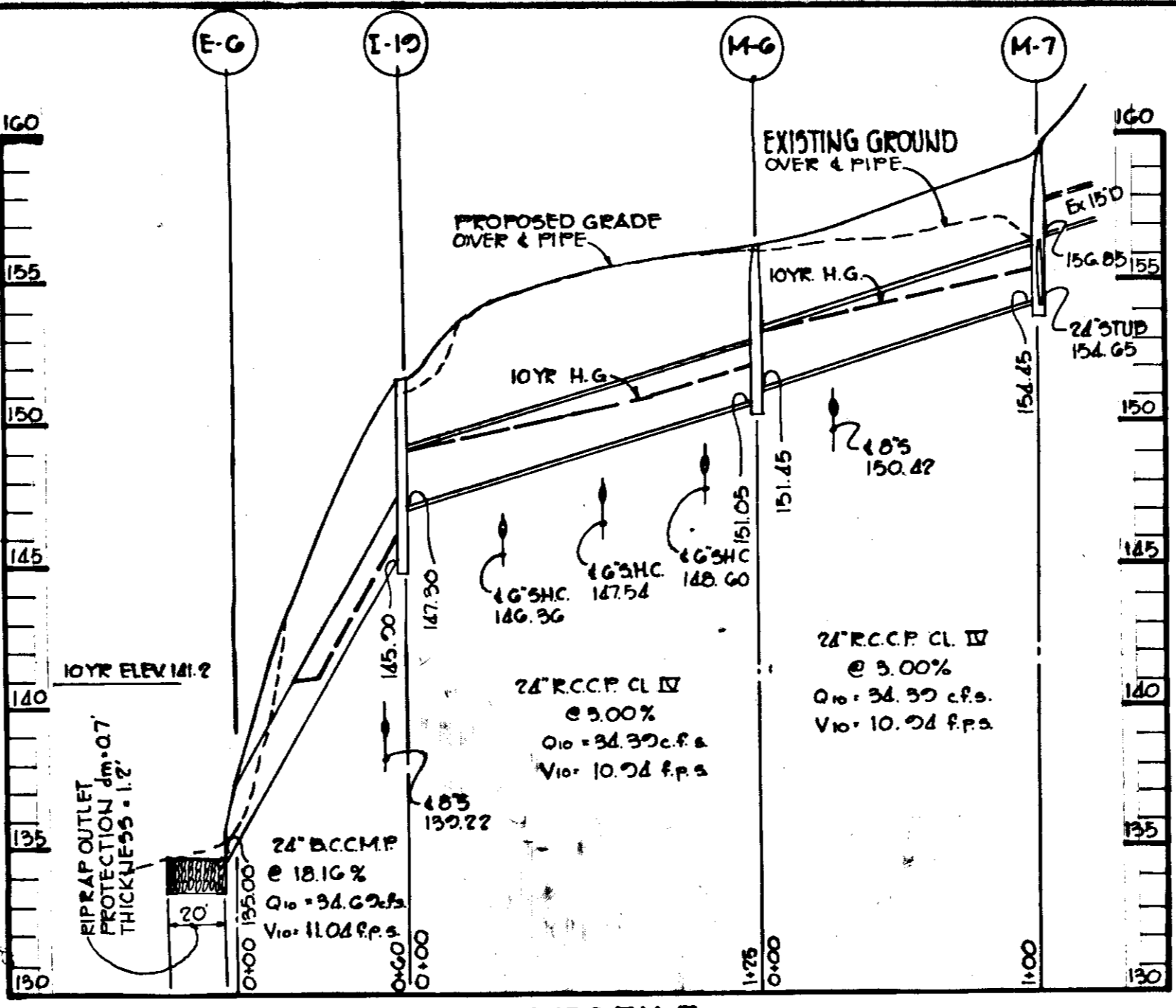
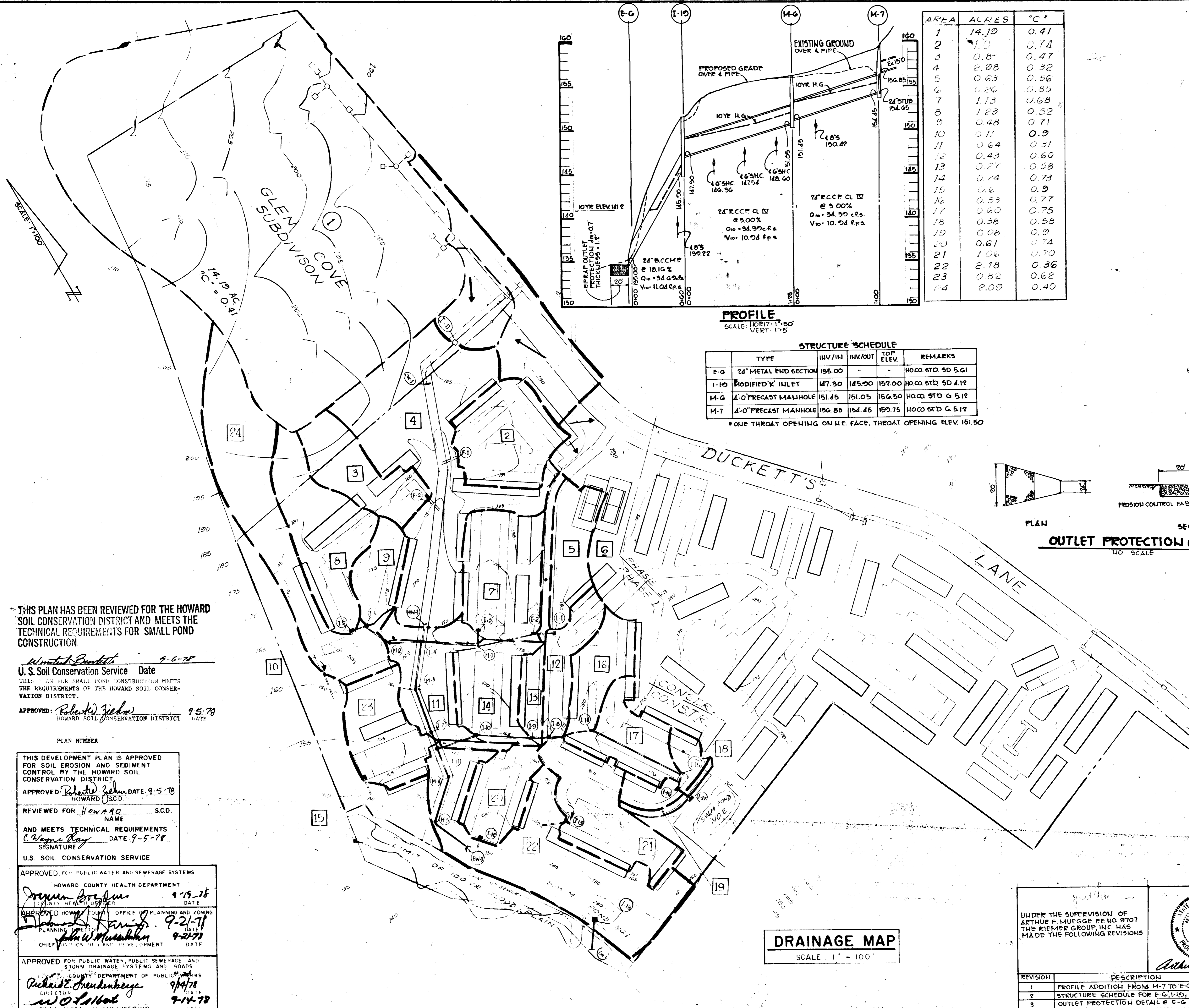
APPROVED FOR PUBLIC WATER AND SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: *Joseph Bryden* DATE: 9-17-78
 APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 PLANNING DIRECTOR: *William J. Ham* DATE: 9-21-78
 CHIEF, DIVISION OF LAND DEVELOPMENT: *Richard E. Freudenberger* DATE: 9-21-78
 APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: *Richard E. Freudenberger* DATE: 9-14-78
 CHIEF, BUREAU OF ENGINEERING: *Edo Pribal* DATE: 9-14-78

PROJECT CONTROL: ENGINEERING
 PROJECT NUMBER: 6014
 DATE: J.L.F.
 ILLUSTRATION: G.S.
 SCALE: MARCH 1978
 APPROVAL: AS NOTED

MARBLE HILL PB 3699-3900
 HARWOOD-FIRST ELECTION DISTRICT
 TAX MAP NUMBER 37
 HOWARD COUNTY, MARYLAND
 PARCEL NUMBER 566
 STORM DRAIN PROFILES

Kamber Engineering
 2301 RESEARCH BOULEVARD
 ROCKVILLE, MARYLAND 20850
 PHONE: (301) 840-1030





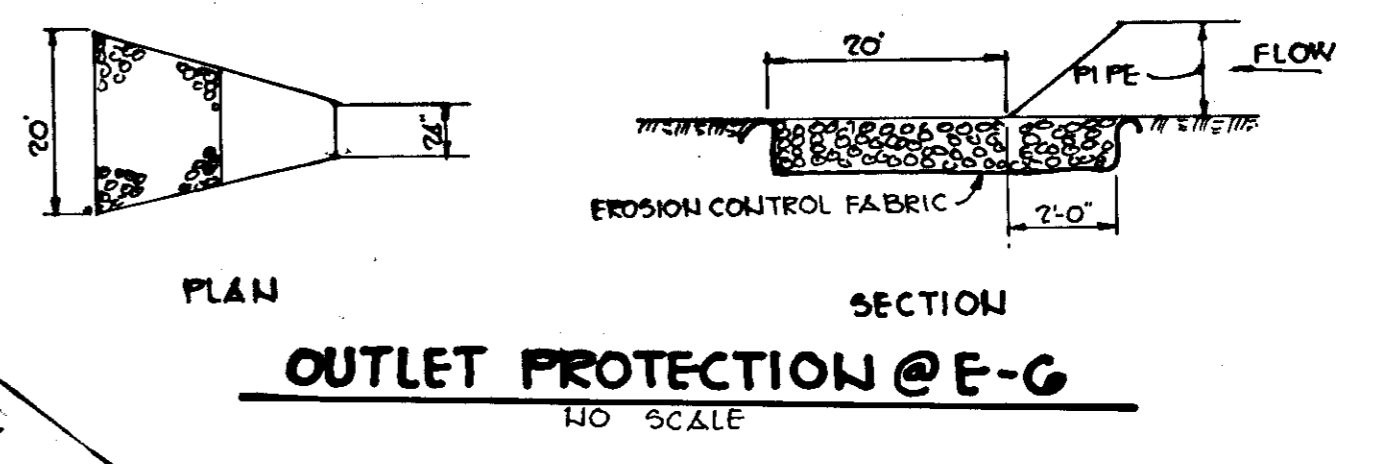
AREA	ACRES	"C"
1	14.19	0.41
2	1.0	0.14
3	0.8	0.47
4	2.98	0.52
5	0.63	0.56
6	0.26	0.85
7	1.13	0.68
8	1.23	0.52
9	0.48	0.71
10	0.11	0.9
11	0.64	0.51
12	0.43	0.60
13	0.27	0.58
14	0.74	0.73
15	0.6	0.9
16	0.53	0.77
17	0.60	0.75
18	0.38	0.55
19	0.08	0.9
20	0.61	0.74
21	1.06	0.70
22	2.18	0.36
23	0.82	0.62
24	2.09	0.40

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

STRUCTURE SCHEDULE

TYPE	INV./IN	INV./OUT	TOP ELEV.	REMARKS
E-G	24" METAL END SECTION	195.00	-	HOCO STD. SD 5.61
I-10	MODIFIED 'K' INLET	147.30	145.00	HOCO STD. SD 4.12
M-6	4'-0" PRECAST MANHOLE	151.45	151.05	HOCO STD. G 5.12
M-7	4'-0" PRECAST MANHOLE	156.85	154.45	HOCO STD. G 5.12

* ONE THROAT OPENING ON W.E. FACE. THROAT OPENING ELEV. 151.50



APPROVED
DIVISION OF LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
DATE 8-15-78

THIS PLAN HAS BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION.

Wanted Bunkle 9-6-78
U. S. Soil Conservation Service Date

APPROVED: Robert Zelman 9-5-78
HOWARD SOIL CONSERVATION DISTRICT DATE

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

APPROVED: Robert Zelman DATE 9-5-78
HOWARD SOIL CONSERVATION DISTRICT

REVIEWED FOR HOWARD S.C.D. NAME
AND MEETS TECHNICAL REQUIREMENTS
C. Wayne Ray DATE 9-5-78
SIGNATURE
U.S. SOIL CONSERVATION SERVICE

APPROVED FOR PUBLIC WATER AND SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
James Boylan 9-15-78
DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Thomas S. Harris 9-21-78
DATE
PLANNING CHIEF
John W. Muschler 9-21-78
DATE
CHIEF DIVISION OF LAND DEVELOPMENT

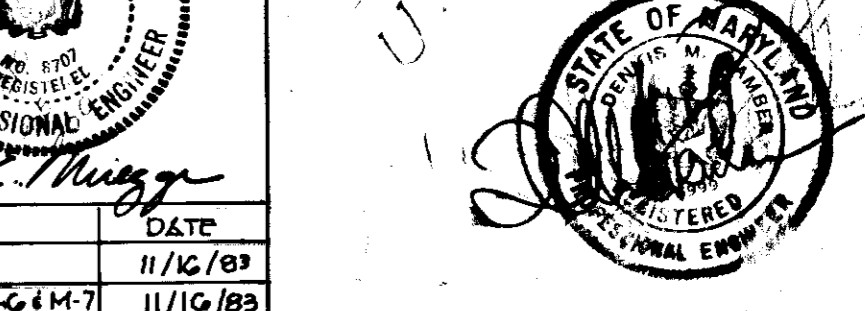
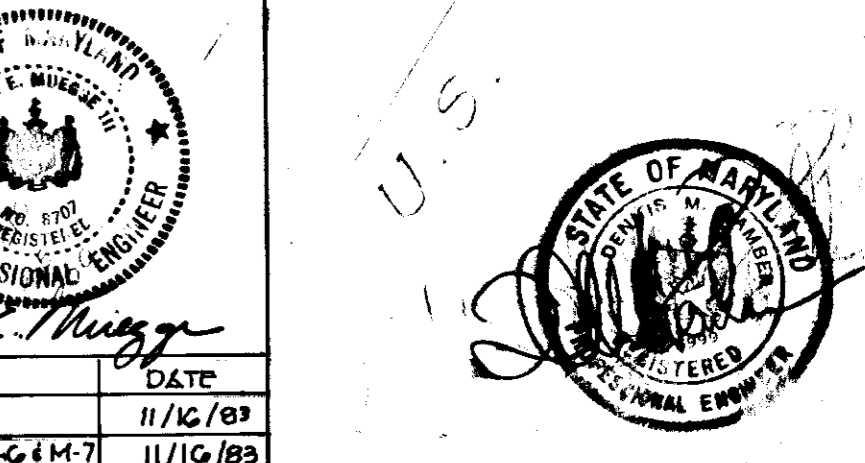
APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS
COUNTY DEPARTMENT OF PUBLIC WORKS
Richard E. Brudenberg 9/14/78
DATE
DIRECTOR
W.O. Lohat 7-14-78
DATE
CHIEF, BUREAU OF ENGINEERING

DRAINAGE MAP
SCALE: 1" = 100'

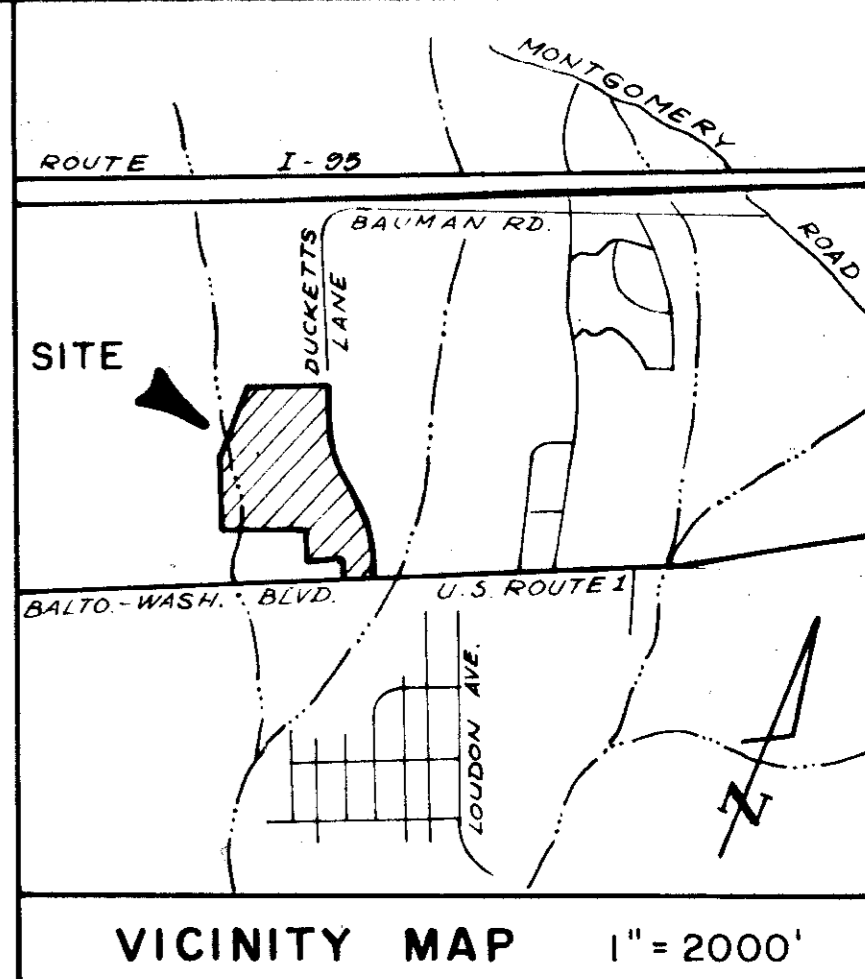
UNDER THE SUPERVISION OF ARTHUR E. LUEGGE, P.E. NO. 8707 THE RIEMER GROUP, INC. HAS MADE THE FOLLOWING REVISIONS

REVISION	DESCRIPTION	DATE
1	PROFILE ADDITION FROM M-7 TO E-G	11/16/87
2	STRUCTURE SCHEDULE FOR E-G, I-10, M-6, M-7	11/16/87
3	OUTLET PROTECTION DETAIL @ E-G	11/16/87

Arthur Muegge
REGISTERED PROFESSIONAL ENGINEER



8 16



PROJECT CONTROL
ENGINEERING
PROJECT NUMBER 6014
DATE MARCH, 1978
SCALE 1" = 100'

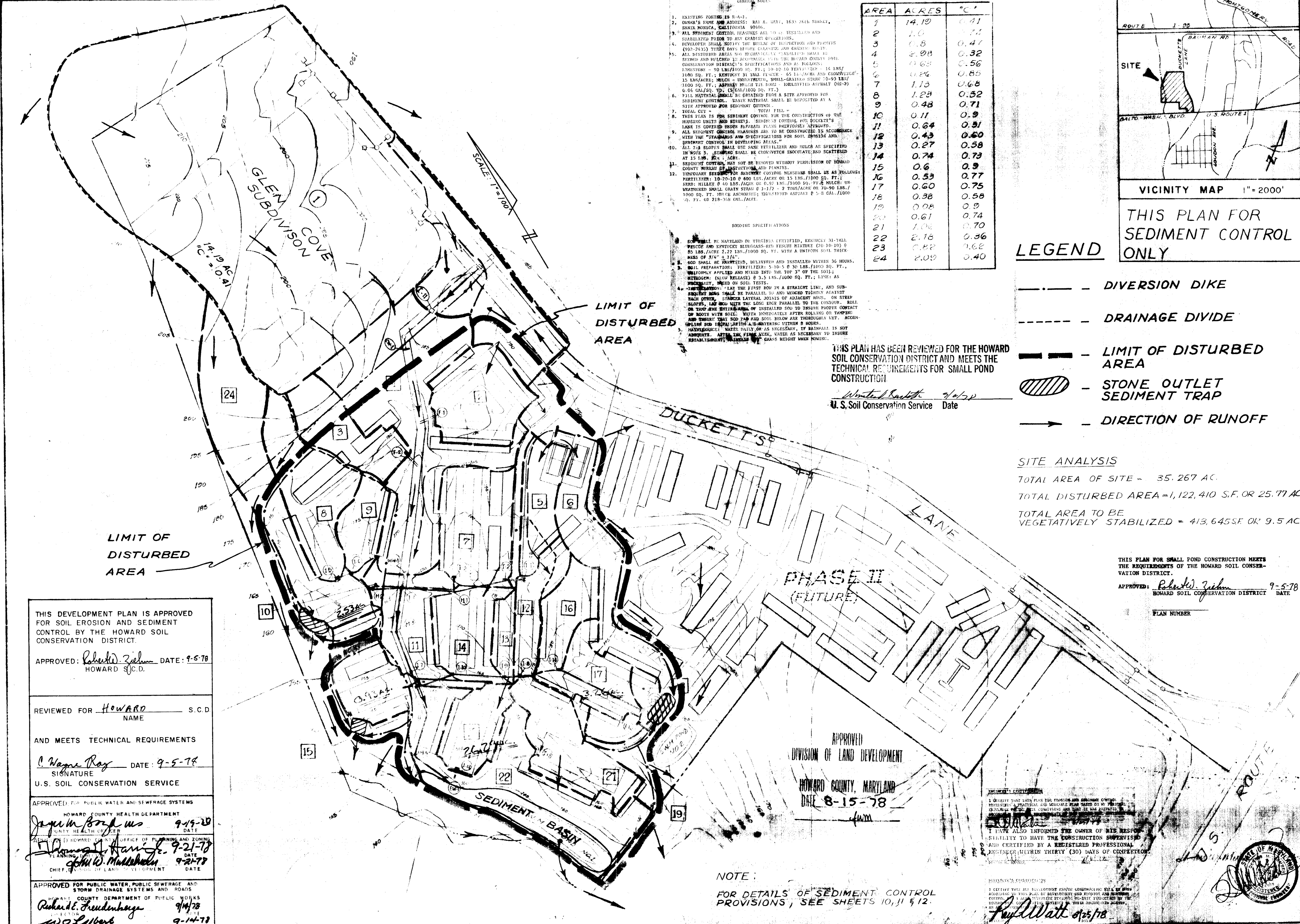
MARBLE HILL PB 9899-9900
HARWOOD-FIRST ELECTION DISTRICT
PARCEL NUMBER 568
TAX MAP NUMBER 37
DRAINAGE AREA MAP

Kamber Engineering
2301 RESEARCH BOULEVARD
ROCKVILLE, MARYLAND 20850
PHONE (301) 840-1030



8 16

SDP-78-115



- GENERAL NOTES:
- EXISTING ZONING IS R-A-1.
 - OWNER'S NAME AND ADDRESS: RAY A. WATT, 1634 24th STREET, SANTA MONICA, CALIFORNIA 90404.
 - ALL SEDIMENT CONTROL MEASURES ARE TO BE INSTALLED AND STABILIZED PRIOR TO ANY GRADING OPERATIONS.
 - DEVELOPER SHALL NOTIFY THE BUREAU OF INSPECTION AND PERMITS (800-263) THREE DAYS BEFORE GRADING AND GRADING SHALL BE STOPPED AND HOLDING BY ACCORDANCE WITH THE HOWARD COUNTY SOIL CONSERVATION DISTRICT'S SPECIFICATIONS AND AS FOLLOWS:
 - 1. DISTURBED AREAS NOT REGRADING SHALL BE STABILIZED WITHIN 14 DAYS OF THE DATE OF DISTURBANCE.
 - 2. DISTURBED AREAS TO BE REGRADED SHALL BE STABILIZED WITHIN 14 DAYS OF THE DATE OF REGRADING.
 - 3. STABILIZATION SHALL BE BY ONE OF THE FOLLOWING:
 - 1. 1 1/2" ASPHALT (MINIMUM 10-20 LBS./1000 SQ. FT.)
 - 2. 1 1/2" WEATHERED SMALL GRAIN STRAW (2-3) 2 TONS/ACRE OR 10-20 LBS./1000 SQ. FT.
 - 3. 1 1/2" WEATHERED SMALL GRAIN STRAW (2-3) 2 TONS/ACRE OR 10-20 LBS./1000 SQ. FT. WITH ARCHITECTURAL POLYETHYLENE SHEET (2-3) 2 TONS/ACRE OR 10-20 LBS./1000 SQ. FT. OR 2 1/2" - 3 1/2" CAL. GOLF.
 - FILL MATERIAL SHALL BE OBTAINED FROM A SITE APPROVED FOR SEDIMENT CONTROL. FILL MATERIAL SHALL BE DEPOSITED AT A SITE APPROVED FOR SEDIMENT CONTROL.
 - TOTAL CUT = TOTAL FILL =
 - THIS PLAN IS FOR SEDIMENT CONTROL FOR THE CONSTRUCTION OF THE BUILDING LINES AND STREETS. SEDIMENT CONTROL FOR DUCKETT'S LANE IS COVERED UNDER SEPARATE PLANS PREVIOUSLY APPROVED.
 - ALL SEDIMENT CONTROL MEASURES ARE TO BE CONSTRUCTED IN ACCORDANCE WITH THE SPECIFICATIONS AND REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS.
 - ALL 2:1 SLOPES SHALL USE SAND REVEGETATION AND MULCH AS SPECIFIED IN NOTE 3. STABILIZATION SHALL BE CROSS-SLOPE, INCLINATED AND SCATTERED AT 15 LBS. PER 1 ACRE.
 - SEDIMENT CONTROL MAY NOT BE REMOVED WITHOUT PERMISSION OF HOWARD COUNTY BUREAU OF INSPECTION AND PERMITS.
 - TEMPORARY SEDIMENT CONTROL MEASURES SHALL BE AS FOLLOWS:
 - 1. FERTILIZER: 10-20-20 @ 600 LBS./ACRE OR 15 LBS./1000 SQ. FT.
 - 2. SEED: MILLET @ 60 LBS./ACRE OR 6-9 LBS./1000 SQ. FT. & MULCH OR WEATHERED SMALL GRAIN STRAW @ 3-1/2" - 2 TONS/ACRE OR 10-20 LBS./1000 SQ. FT. WITH ARCHITECTURAL POLYETHYLENE SHEET @ 2-3 TONS/ACRE OR 10-20 LBS./1000 SQ. FT. OR 2 1/2" - 3 1/2" CAL. GOLF.

AREA	ACRES	"C"
1	14.10	0.41
2	1.0	0.41
3	0.8	0.47
4	2.08	0.32
5	0.63	0.56
6	0.24	0.85
7	1.13	0.68
8	1.23	0.32
9	0.48	0.71
10	0.11	0.9
11	0.64	0.91
12	0.43	0.60
13	0.27	0.58
14	0.74	0.73
15	0.6	0.9
16	0.53	0.77
17	0.60	0.75
18	0.38	0.58
19	0.08	0.9
20	0.61	0.74
21	1.06	0.70
22	2.18	0.36
23	0.22	0.62
24	2.09	0.40

- SOILING SPECIFICATIONS
- SOIL SHALL BE MARYLAND OR VIRGINIA CERTIFIED, KENTUCKY 31-70-110 PESTICIDE AND KENTUCKY BLUEGRASS-RED FESCUE MIXTURE (20:30:10) @ 85 LBS./ACRE 2-22 LBS./1000 SQ. FT. WITH A UNIFORM SOIL THICKNESS OF 3/4" - 1 1/4".
 - SOIL SHALL BE HARVESTED, DELIVERED AND INSTALLED WITHIN 36 HOURS.
 - SOIL PREPARATION: FERTILIZER: 5-10-5 @ 30 LBS./1000 SQ. FT., UNIFORMLY APPLIED AND MIXED INTO THE TOP 3" OF THE SOIL; MULCH: (SOIL RELEASE) @ 3.5 LBS./1000 SQ. FT.; LIME: AS NECESSARY, BASED ON SOIL TESTS.
 - INSTALLATION: LAY THE FIRST ROW IN A STRAIGHT LINE, AND SUBSEQUENT ROWS SHALL BE PARALLEL TO AND MARGED TWENTY INCHES APART EACH OTHER, STAMPER LATERAL JOINTS OF ADJACENT ROWS, ON STEEP SLOPES, LAY ROWS WITH THE LONG EDGE PARALLEL TO THE CONTOUR. ROWS OF ROWS WITH SOIL. WATER IMMEDIATELY AFTER ROLLING OR TAMING AND INSURE THAT SOIL AND MULCH ARE THOROUGHLY MIXED. ACCORDING TO THE PREPARATION AND MAINTENANCE IN 8 HOURS. MAINTENANCE: WATER DAILY OR AS NECESSARY, IF RAINFALL IS NOT ADEQUATE. AFTER THE FIFTH WEEK, WATER AS NECESSARY TO INSURE ESTABLISHMENT. MAINTAIN GRASS HEIGHT WHEN MOWING.

THIS PLAN HAS BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION.

Walter Ruppel 9/15/78
U. S. Soil Conservation Service Date

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

APPROVED: *Robert Ziehm* DATE: 9-5-78
HOWARD S.C.D.

REVIEWED FOR HOWARD S.C.D.
NAME

AND MEETS TECHNICAL REQUIREMENTS

C. Wayne Roy DATE: 9-5-78
SIGNATURE
U.S. SOIL CONSERVATION SERVICE

APPROVED FOR PUBLIC WATER AND SEWERAGE SYSTEMS

HOWARD COUNTY HEALTH DEPARTMENT
James B. ... 9-19-78
COUNTY HEALTH OFFICER DATE

HOWARD COUNTY OFFICE OF PLANNING AND ZONING
James H. ... 9-21-78
PLANNING OFFICER DATE

John W. ... 9-21-78
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

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

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Richard E. ... 9/14/78
DIRECTOR DATE

W. O. ... 9-14-78
CHIEF, BUREAU OF ENGINEERING DATE

NOTE:
FOR DETAILS OF SEDIMENT CONTROL PROVISIONS, SEE SHEETS 10, 11 & 12.

APPROVED
DIVISION OF LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
DATE 8-15-78

APPROVED: *Ray W. ...* 9-15-78
REGISTERED PROFESSIONAL ENGINEER (THIRTY (30) DAYS OF COMPLETION)

THIS PLAN FOR SMALL POND CONSTRUCTION MEETS THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

APPROVED: *Robert Ziehm* 9-5-78
HOWARD SOIL CONSERVATION DISTRICT DATE

PLAN NUMBER _____

SITE ANALYSIS

TOTAL AREA OF SITE = 35,267 AC.

TOTAL DISTURBED AREA = 1,122,410 S.F. OR 25.77 AC.

TOTAL AREA TO BE VEGETATIVELY STABILIZED = 413,645 S.F. OR 9.5 AC.

- LEGEND
- DIVERSION DIKE
 - - - DRAINAGE DIVIDE
 - LIMIT OF DISTURBED AREA
 - ▨ STONE OUTLET SEDIMENT TRAP
 - DIRECTION OF RUNOFF

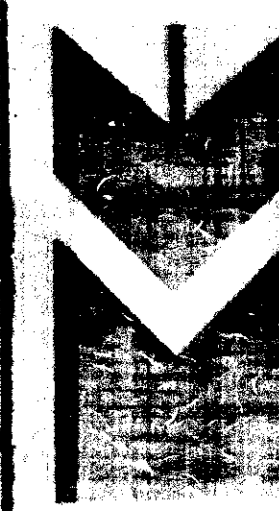
VICINITY MAP 1" = 2000'

THIS PLAN FOR SEDIMENT CONTROL ONLY

REVISIONS	PROJECT CONTROL
6014	J.L.F.
MARCH 1978	G.S. (K.J.H.)
SCALE 1" = 100'	APPROVAL

MARBLE HILL P.B. 2800-3900
HARWOOD-FIRST ELECTION DISTRICT
PARCEL NUMBER 568
TAX MAP NUMBER 37
GENERAL SEDIMENT CONTROL PLAN

Kamber Engineering
RESEARCH BOULEVARD
LITTLE ROCK, MARYLAND 20850
(301) 840-1030

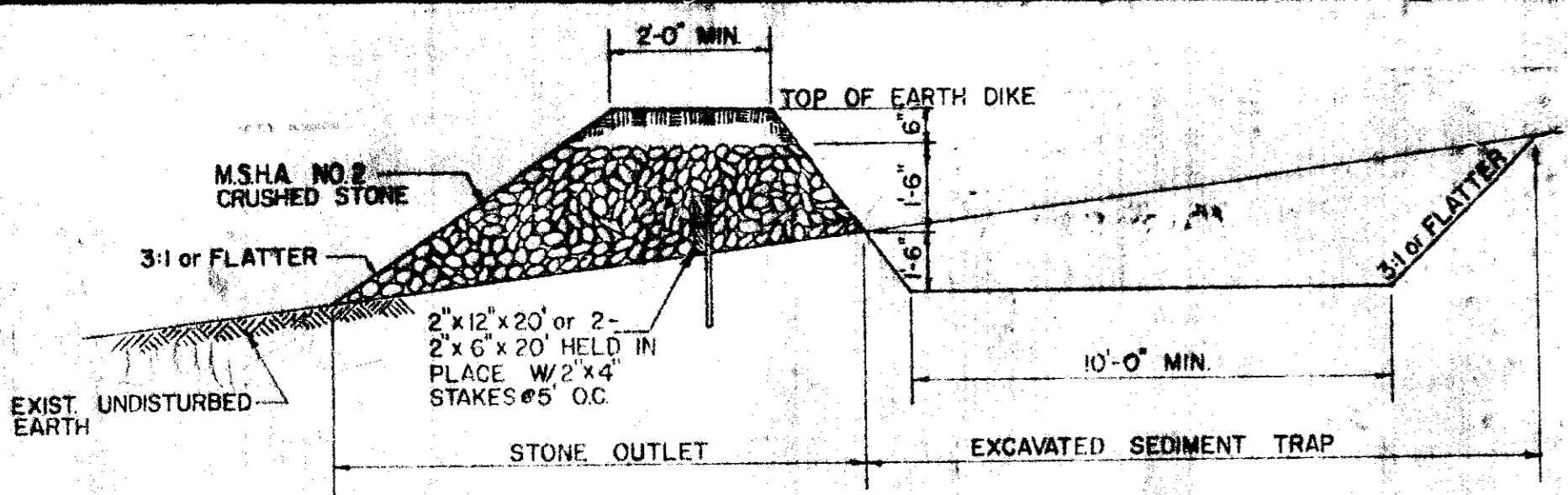
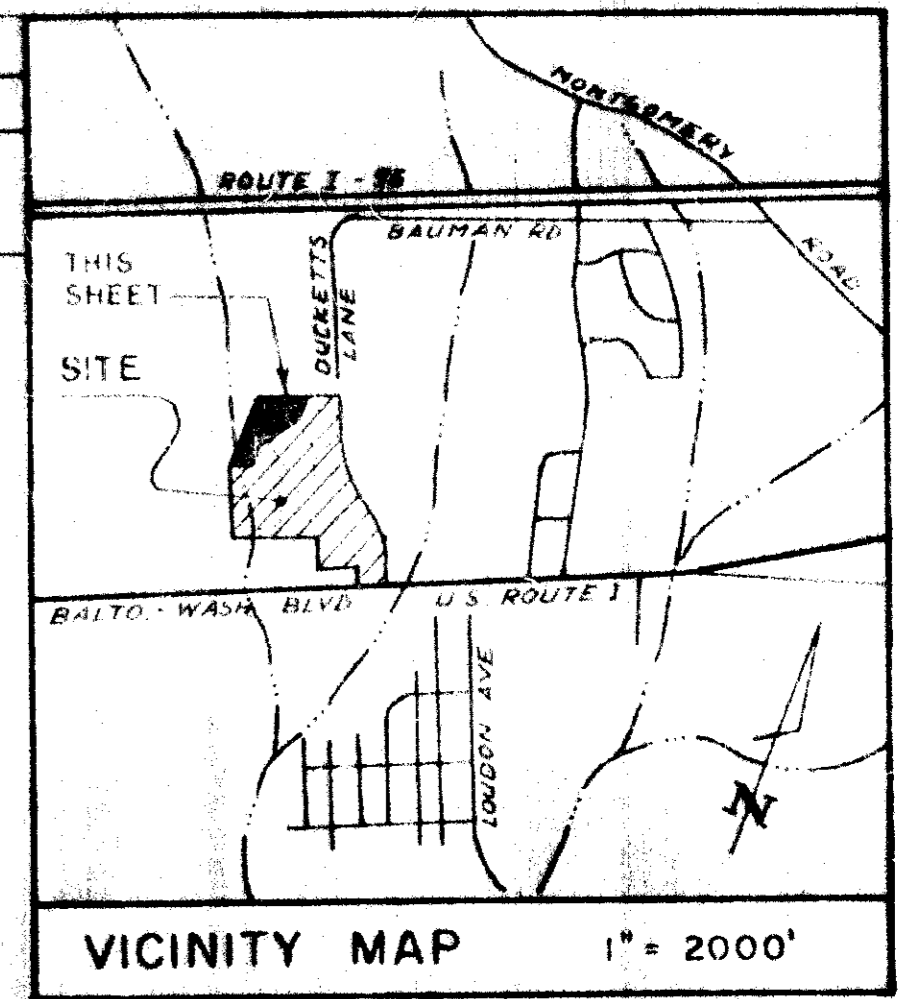


THIS PLAN FOR SMALL POND CONSTRUCTION MEETS THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

APPROVED: *Robert W. Zichem* DATE: 9-5-78
HOWARD SOIL CONSERVATION DISTRICT

TABLE OF CURVE DATA

No	Radius	Delta	Tan	Arc	Chord	Chord Bearing
1	50.0	24°34'56"	10.89	21.48	21.89	S 74° 38' 38" E
2	68.85	24°34'54"	13.0	26.54	27.31	S 74° 38' 38" E



NOTES:

1. All areas under construction shall be cleared, graded and protected of any vegetation and soil loss. The soil shall be covered with a layer of straw or other similar material. The full material of the sediment trap shall be placed in the sediment trap as soon as it is available and shall be covered with a layer of straw or other similar material. The sediment trap shall be covered with a layer of straw or other similar material. The sediment trap shall be covered with a layer of straw or other similar material.
2. The structure shall be covered with a layer of straw or other similar material. The structure shall be covered with a layer of straw or other similar material. The structure shall be covered with a layer of straw or other similar material.
3. The structure shall be covered with a layer of straw or other similar material. The structure shall be covered with a layer of straw or other similar material. The structure shall be covered with a layer of straw or other similar material.
4. The structure shall be covered with a layer of straw or other similar material. The structure shall be covered with a layer of straw or other similar material. The structure shall be covered with a layer of straw or other similar material.
5. The structure shall be covered with a layer of straw or other similar material. The structure shall be covered with a layer of straw or other similar material. The structure shall be covered with a layer of straw or other similar material.
6. The structure shall be covered with a layer of straw or other similar material. The structure shall be covered with a layer of straw or other similar material. The structure shall be covered with a layer of straw or other similar material.
7. The structure shall be covered with a layer of straw or other similar material. The structure shall be covered with a layer of straw or other similar material. The structure shall be covered with a layer of straw or other similar material.
8. The structure shall be covered with a layer of straw or other similar material. The structure shall be covered with a layer of straw or other similar material. The structure shall be covered with a layer of straw or other similar material.
9. The structure shall be covered with a layer of straw or other similar material. The structure shall be covered with a layer of straw or other similar material. The structure shall be covered with a layer of straw or other similar material.

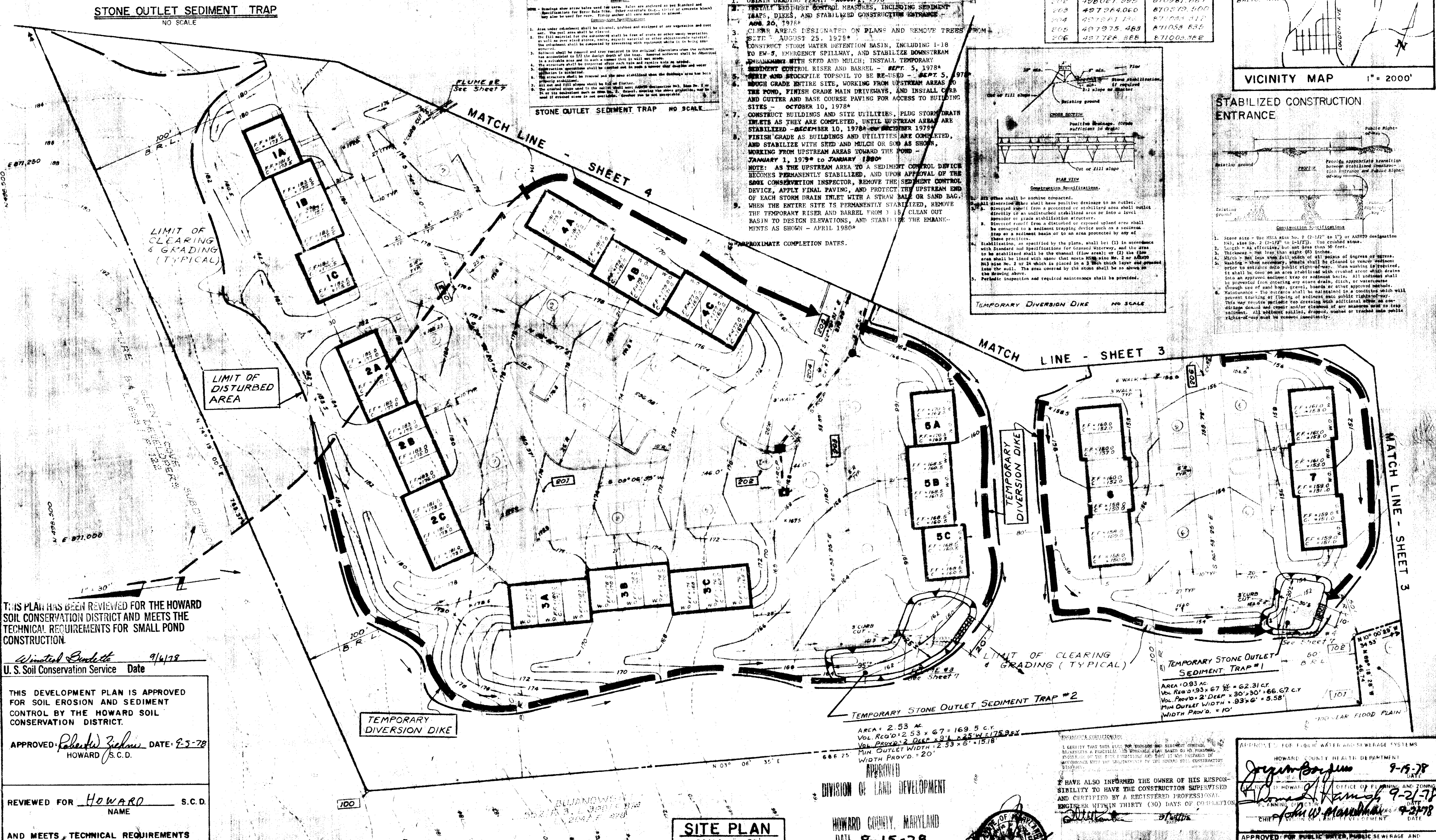
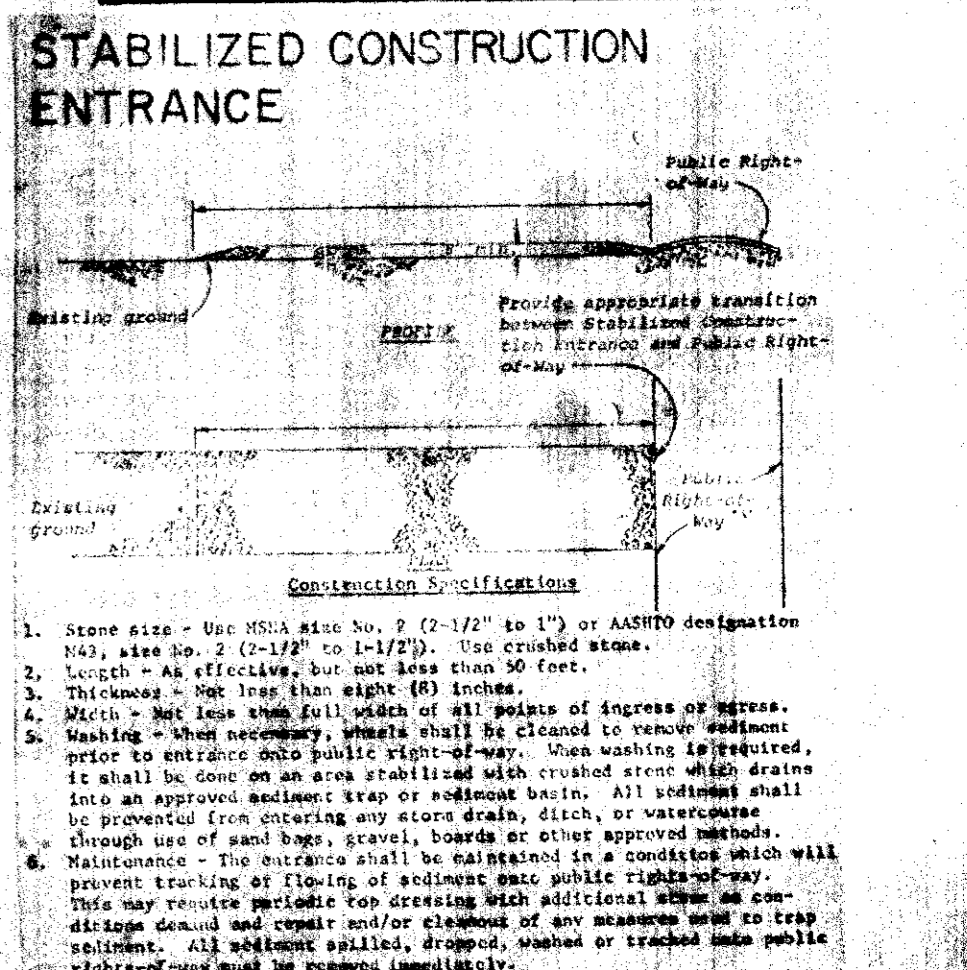
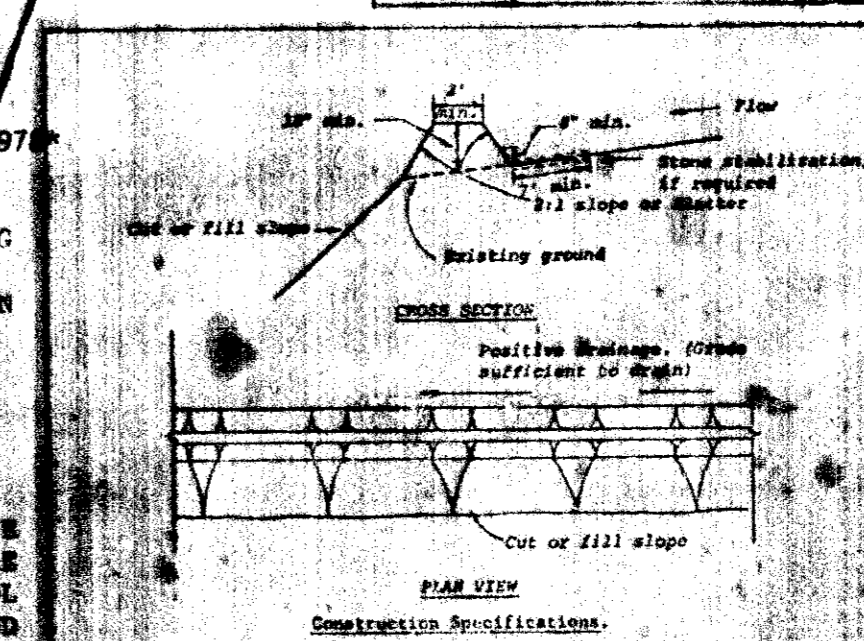
PLAN NUMBER: _____

SEQUENCE OF CONSTRUCTION:

COORDINATE TABLE

POINT	NORTH	EAST
101	497 658 566	870 778 267
102	497 658 000	870 818 000
103	497 658 000	870 818 000
104	497 658 000	870 818 000
105	497 658 000	870 818 000
106	497 658 000	870 818 000

1. OBTAIN GRADING PERMIT - AUGUST 1, 1978*
 2. INSTALL EROSION CONTROL MEASURES, INCLUDING SEDIMENT TRAPS, DIKES, AND STABILIZED CONSTRUCTION ENTRANCE - AUG. 20, 1978*
 3. CLEAR AREAS DESIGNATED ON PLANS AND REMOVE TREES FROM SITE - AUGUST 25, 1978*
 4. CONSTRUCT STORM WATER DETENTION BASIN, INCLUDING 1-18 TO 5' E. EMERGENCY SPILLWAY, AND STABILIZE DOWNSTREAM SLOPES WITH SEED AND MULCH; INSTALL TEMPORARY SEDIMENT CONTROL RISER AND BARREL - SEPT. 5, 1978*
 5. GRIP AND STOCKPILE TOPSOIL TO BE RE-USED - SEPT. 5, 1978*
 6. FINISH GRADE MAIN DRIVEWAYS, AND INSTALL CURB AND GUTTER AND BASE COURSE PAVING FOR ACCESS TO BUILDING SITES - OCTOBER 10, 1978*
 7. CONSTRUCT BUILDINGS AND SITE UTILITIES, PLUG STORM DRAIN INLETS AS THEY ARE COMPLETED, UNTIL UPSTREAM AREAS ARE STABILIZED - DECEMBER 10, 1978* TO DECEMBER 1978*
 8. FINISH GRADE AS BUILDINGS AND UTILITIES ARE COMPLETED, AND STABILIZE WITH SEED AND MULCH OR SOIL AS SHOWN, WORKING FROM UPSTREAM AREAS TOWARD THE POND - JANUARY 1, 1979* TO JANUARY 1980*
 9. NOTE: AS THE UPSTREAM AREA TO A SEDIMENT CONTROL DEVICE BECOMES PERMANENTLY STABILIZED, AND UPON APPROVAL OF THE SOIL CONSERVATION INSPECTOR, REMOVE THE SEDIMENT CONTROL DEVICE, APPLY FINAL PAVING, AND PROTECT THE UPSTREAM END OF EACH STORM DRAIN INLET WITH A STORM BASIN OR SAND BAG; WHEN THE ENTIRE SITE IS PERMANENTLY STABILIZED, REMOVE THE TEMPORARY RISER AND BARREL FROM THE POND; CLEAN OUT BASIN TO DESIGN ELEVATIONS, AND STABILIZE THE EMBANKMENTS AS SHOWN - APRIL 1980*
- APPROXIMATE COMPLETION DATES.



THIS PLAN HAS BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION.

Winston Boudette 9/4/78
U.S. Soil Conservation Service Date

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

APPROVED: *Robert W. Zichem* DATE: 9-5-78
HOWARD S.C.D.

REVIEWED FOR HOWARD S.C.D. NAME

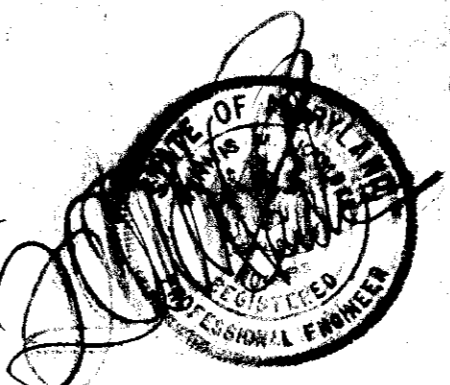
AND MEETS TECHNICAL REQUIREMENTS

C. Wayne Roy DATE: 7-5-78
SIGNATURE
U.S. SOIL CONSERVATION SERVICE

AREA = 2.53 AC
VOL. REQ'D = 2.53 x 67 = 169.5 C.Y.
VOL. PROVIDED = 2 DEEP x 30' x 25' W = 175.8 C.Y.
MIN. OUTLET WIDTH = 2.53 x 67 = 170.65'
WIDTH PROVIDED = 20'

SITE PLAN
SCALE 1" = 30'

APPROVED
DIVISION OF LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
DATE 8-15-78



THIS PLAN FOR SEDIMENT CONTROL ONLY

I HEREBY CERTIFY THAT THIS PLAN FOR SMALL POND CONSTRUCTION MEETS THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION.

I HAVE ALSO INFORMED THE OWNER OF HIS RESPONSIBILITY TO HAVE THE CONSTRUCTION SUPERVISED AND CERTIFIED BY A REGISTERED PROFESSIONAL ENGINEER WITHIN THIRTY (30) DAYS OF COMPLETION.

Ray D. Watt 9/25/78
DATE

APPROVED FOR PUBLIC WATER AND SEWERAGE SYSTEMS

HOWARD COUNTY HEALTH DEPARTMENT
Jayman Boyman 9-15-78
DATE

OFFICE OF PLANNING AND ZONING
John W. Marshall 9-21-78
DATE

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

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Richard E. Buehler 9-14-78
DATE

W. O. L. L. L. 9-14-78
DATE

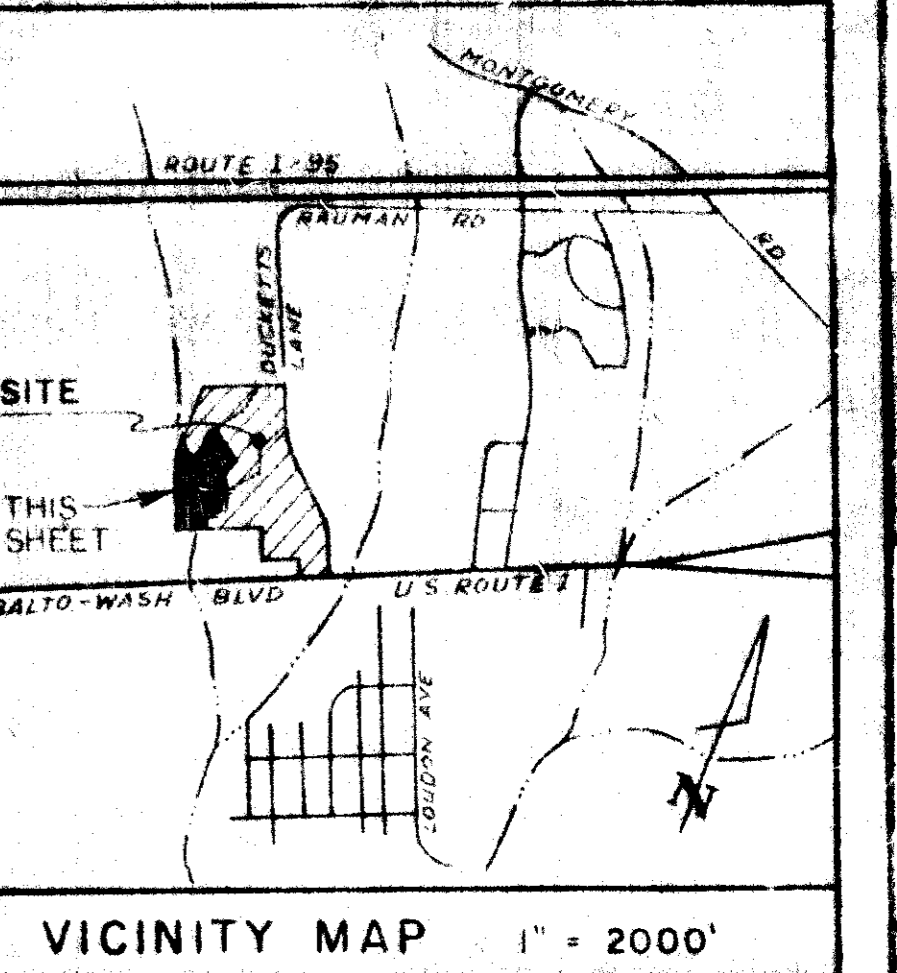
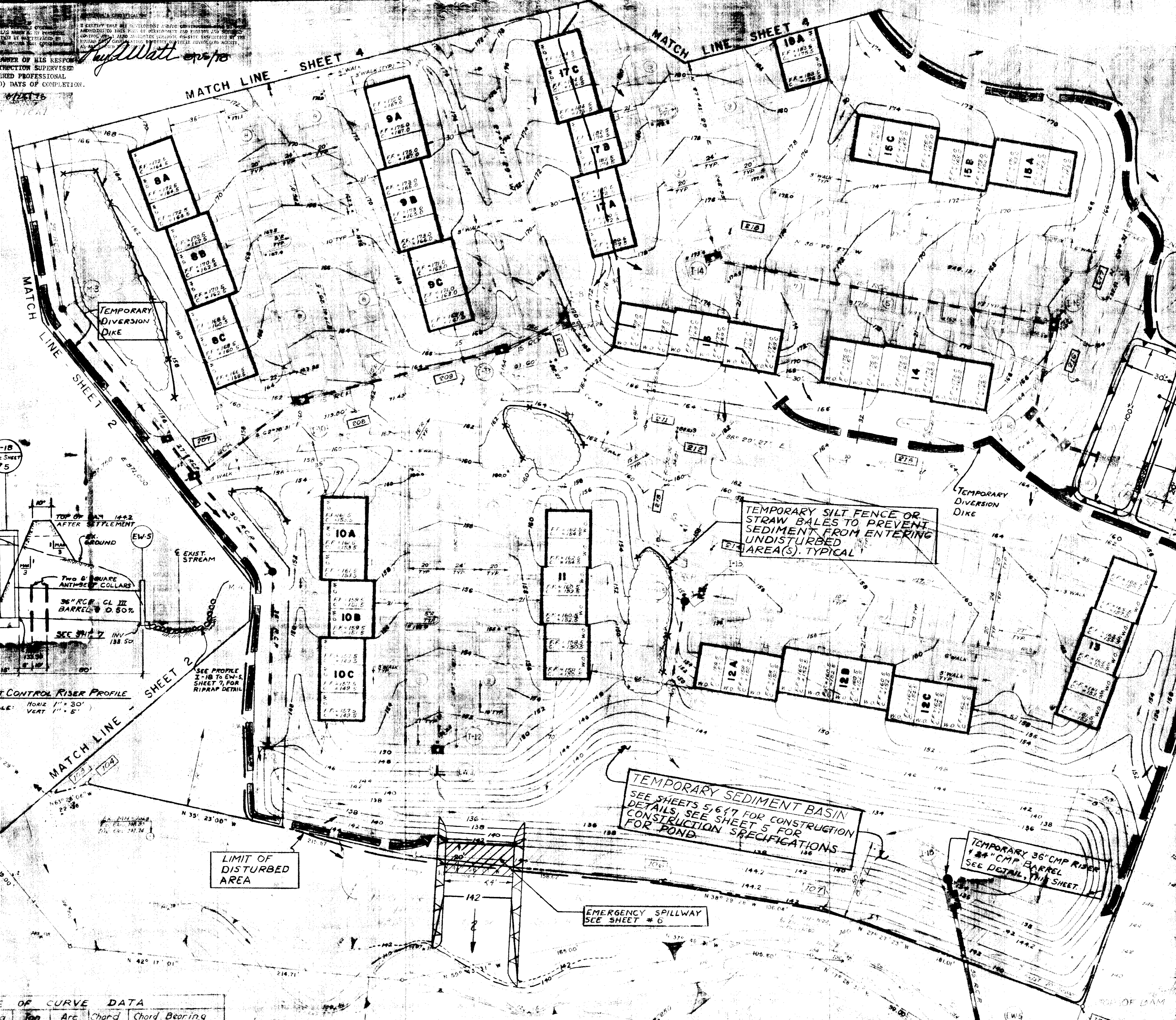
MARBLE HILL P.B. 9899-3900
HARWOOD-FIRST ELECTION DISTRICT
TAX MAP NUMBER 37
HOWARD COUNTY, MARYLAND
PARCEL NUMBER 568
SEDIMENT CONTROL PLAN

Kamber Engineering
2301 RESEARCH BOULEVARD
ROCKVILLE, MARYLAND 20850
PHONE: (301) 840-0300

10 16
35P-78-715

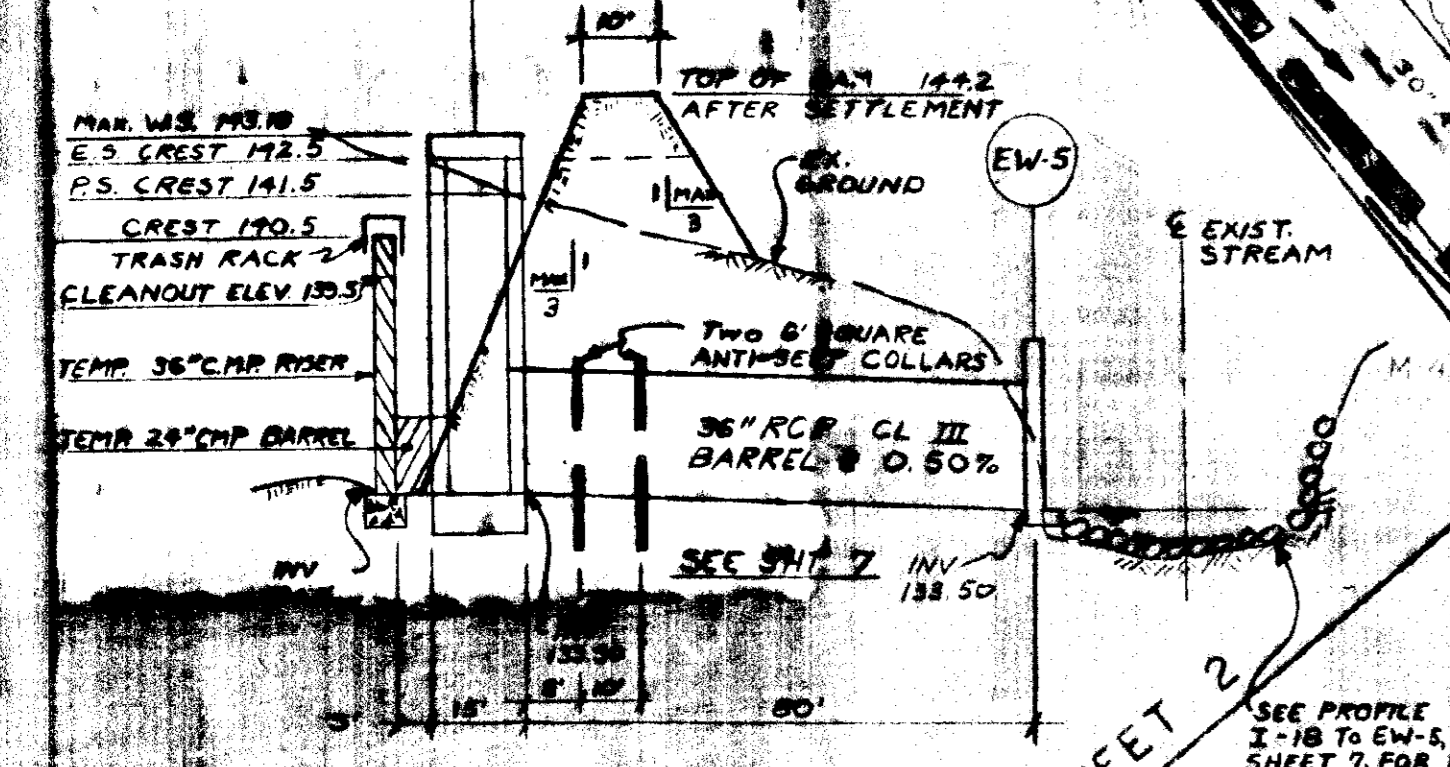
I HAVE ALSO INFORMED THE OWNER OF HIS RESPONSIBILITY TO HAVE THE CONSTRUCTION SUPERVISED AND CERTIFIED BY A REGISTERED PROFESSIONAL ENGINEER WITHIN THIRTY (30) DAYS OF COMPLETION.

W. J. Watt



APPROVED
DIVISION OF LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
DATE 8-15-78

TEMPORARY STONE OUTLET SEDIMENT TRAP #3
AREA = 326 AC.
VOL. RECD. = 326 x 67' H₂O = 218.4 cu
VOL. PROV'D = 30' x 100' x 2' D = 222.2 cu
MIN. WIDTH OF OUTLETS = 3.26 H₂O = 19.56'
WIDTH PROV'D = 20'



SEDIMENT CONTROL RISER PROFILE
SCALE: HORIZ 1" = 30'
VERT 1" = 5'

TEMPORARY SILT FENCE OR STRAW BALES TO PREVENT SEDIMENT FROM ENTERING UNDISTURBED AREA(S). TYPICAL

TEMPORARY SEDIMENT BASIN
SEE SHEETS 5, 6 & 7 FOR CONSTRUCTION DETAILS. SEE SHEET 5 FOR CONSTRUCTION SPECIFICATIONS FOR POND.

TEMPORARY 36" CMP RISER
1 3/4" CMP BARREL
SEE DETAIL, THIS SHEET.

LIMIT OF DISTURBED AREA

EMERGENCY SPILLWAY
SEE SHEET # 6

THIS PLAN HAS BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION.

APPROVED: *Robert Zichow* 9-5-78
HOWARD SOIL CONSERVATION DISTRICT DATE

PLAN NUMBER
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
APPROVED: *Robert Zichow* DATE 9-5-78
HOWARD SCD
REVIEWED FOR HOWARD SCD. NAME
AND MEETS TECHNICAL REQUIREMENTS
Robert Zichow DATE 9-5-78
SIGNATURE
U.S. SOIL CONSERVATION SERVICE

APPROVED FOR PUBLIC WATER AND SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
James Boyles 9-17-78
DATE
Donald Harris 9-21-78
DATE
W. M. ... 9-21-78
DATE

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND BODIES
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Robert Zichow 9/14/78
DATE
W. J. Watt 9-14-78
DATE
REGISTERED PROFESSIONAL ENGINEER

TABLE OF CURVE DATA				
No.	Radius	Delta	Chord	Chord Bearing
1	68.83	28.31	29.31	S 74° 33' 58" E
2	40.0	36.18	47.36	S 05° 23' 54" E
3	35.0	38.50	48.5	S 06° 30' 58" W
4	31.01	38.50	36.76	S 77° 50' 01" E

SITE PLAN
SCALE 1" = 30'

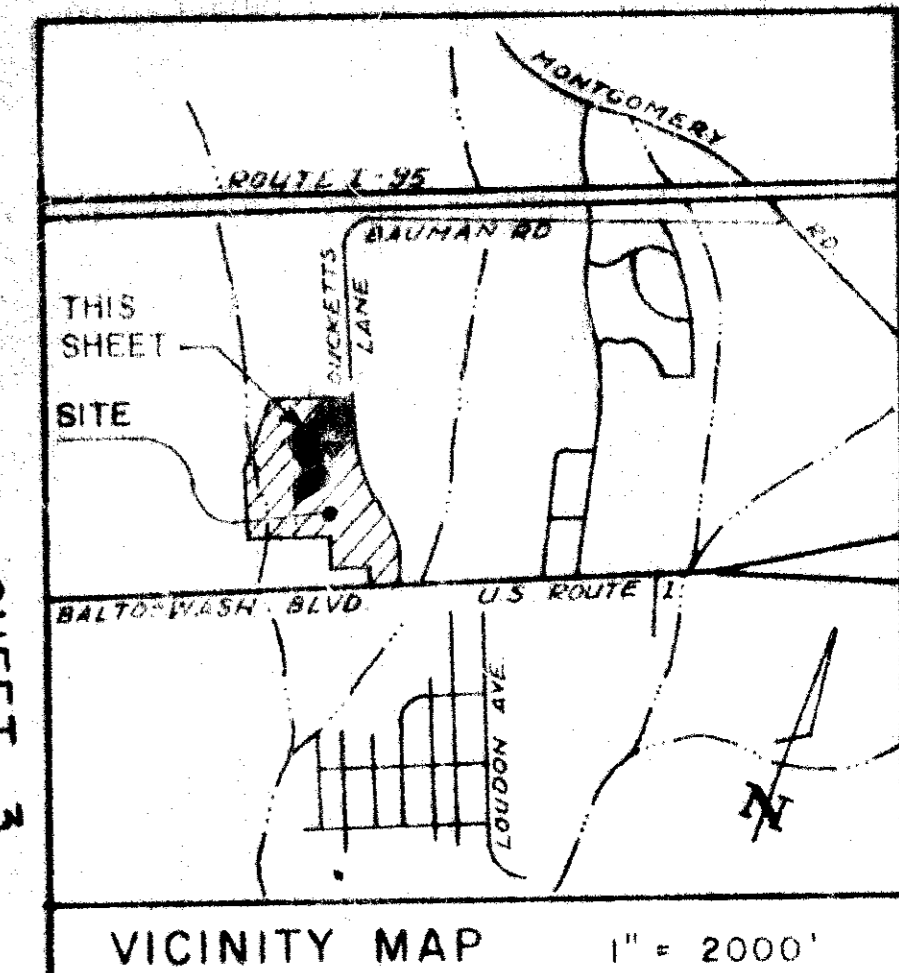
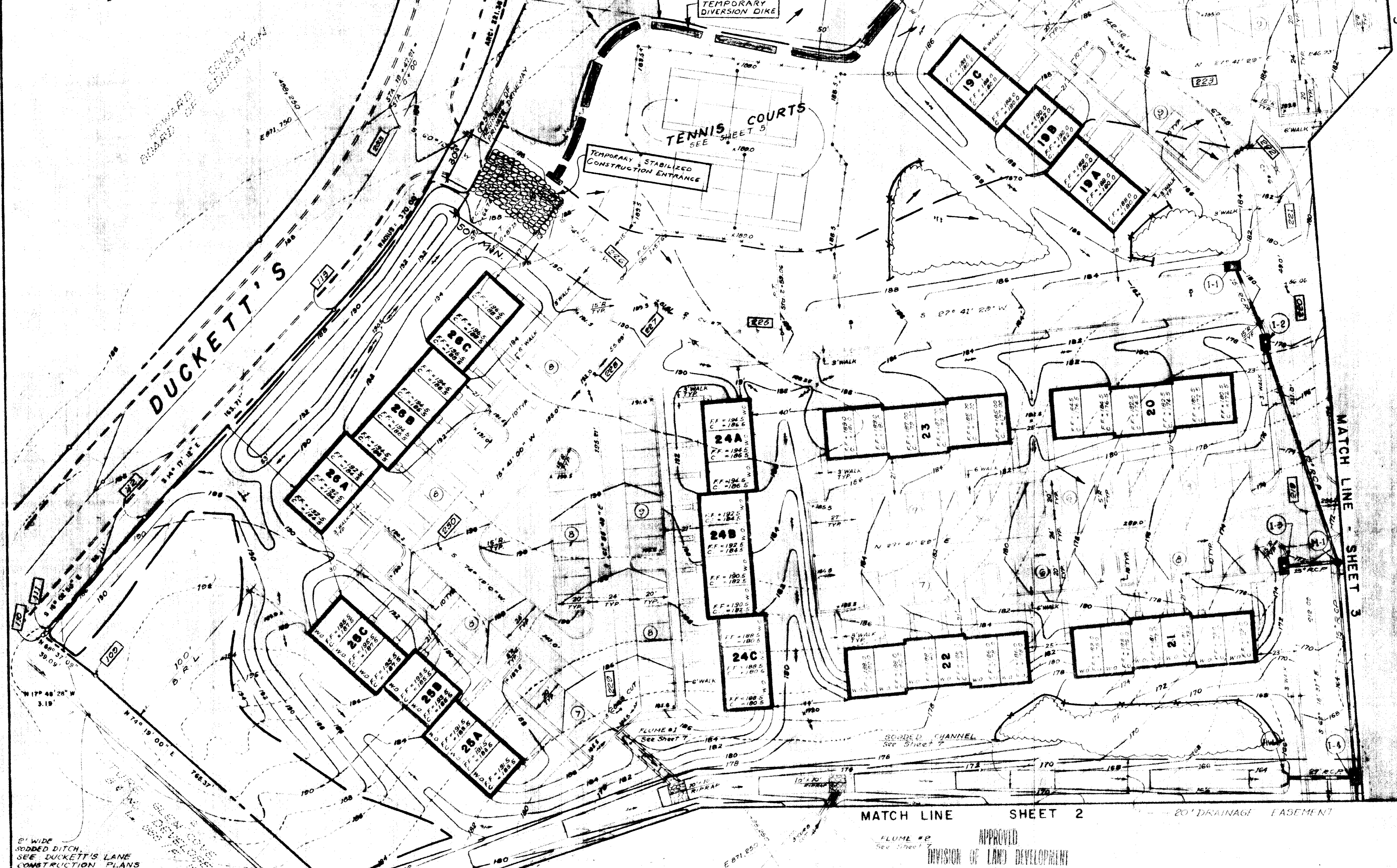
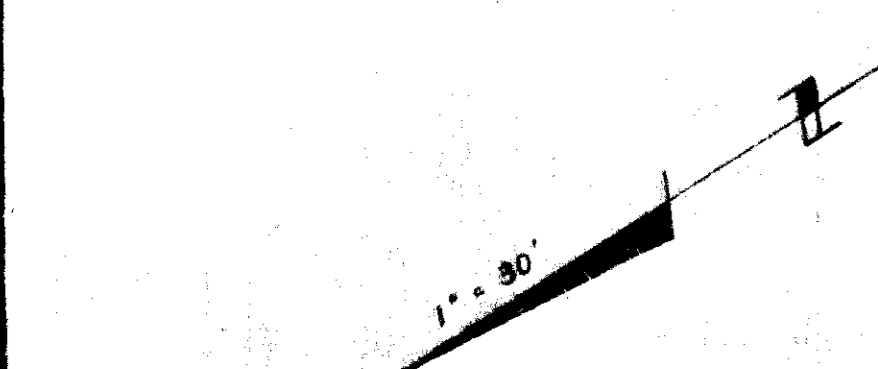
THIS PLAN FOR SEDIMENT CONTROL ONLY

MARBLE HILL P.B. 9899-9900
HARWOOD-FIRST ELECTION DISTRICT
TAX MAP NUMBER 37 PARCEL NUMBER 568
HOWARD COUNTY, MARYLAND
SEDIMENT CONTROL PLAN

Kamber Engineering
2301 RESEARCH BOULEVARD
ROCKVILLE, MARYLAND 20850

THIS PLAN HAS BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION

Wanted Credit *Watt*
U. S. Soil Conservation Service Date



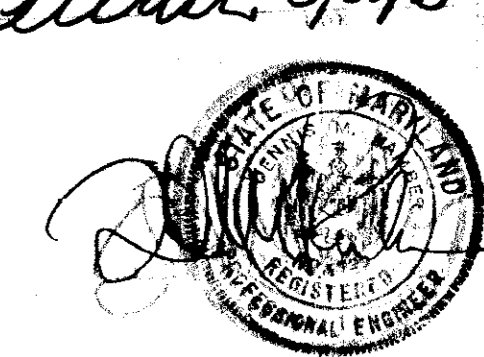
COORDINATE TABLE

POINT NUMBER	NORTH	EAST
100	498520.729	871545.284
110	498520.282	871581.638
111	498536.241	871882.665
112	498452.260	871607.082
113	498293.009	871647.422
114	498153.235	871711.783
210	497876.922	871241.635
220	497816.045	871357.631
221	497793.275	871401.078
222	497783.231	871437.822
223	497810.067	871502.438
224	497652.412	871636.312
225	498079.084	871427.648
226	498141.210	871572.271
227	498122.412	871543.173
228	498186.219	871534.665
229	498278.078	871462.421
230	498316.193	871428.172
231	498160.416	871640.085
232	498163.844	871662.517
233	498201.013	871716.211

I HEREBY CERTIFY THAT THIS PLAN FOR PROPOSED AND EXISTING POND CONSTRUCTION MEETS THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION AS SET FORTH IN THE REGULATIONS OF THE HOWARD SOIL CONSERVATION DISTRICT.

I HAVE ALSO INFORMED THE OWNER OF HIS RESPONSIBILITY TO HAVE THE CONSTRUCTION SUPERVISED AND CERTIFIED BY A REGISTERED PROFESSIONAL ENGINEER WITHIN SIXTY (60) DAYS OF COMPLETION.

Richard Watt 9/15/78



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

APPROVED: *Richard Watt* DATE 9-5-78
HOWARD S.C.D.

REVIEWED FOR *Howard* S.C.D. NAME

AND MEETS TECHNICAL REQUIREMENTS *Richard Watt* DATE 9-5-78 SIGNATURE

U.S. SOIL CONSERVATION SERVICE

APPROVED FOR PUBLIC WATER AND SEWERAGE SYSTEMS

HOWARD COUNTY HEALTH DEPARTMENT

James Bryden 9-19-78
HEALTH DEPARTMENT

APPROVED FOR PLANNING AND ZONING

Thomas D. Harris 9-21-78
PLANNING AND ZONING

Phillip Muehlenberg 9-21-78
CHIEF, PLANNING AND ZONING

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

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Richard Muehlenberg 9/14/78
W.O. Lohr 9-14-78

3' WIDE SODDED DITCH. SEE DUCKETT'S LANE CONSTRUCTION PLANS

GRADE TO MATCH SODDED DITCH CONSTRUCTION PLANS

THIS PLAN FOR SMALL POND CONSTRUCTION MEETS THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

APPROVED: *Richard Watt* 9-5-78
HOWARD SOIL CONSERVATION DISTRICT DATE

SITE PLAN
SCALE 1" = 30'

THIS PLAN FOR SEDIMENT CONTROL ONLY

APPROVED
DIVISION OF LAND DEVELOPMENT

HOWARD COUNTY, MARYLAND
DATE 8-15-78

TABLE OF CURVE DATA

No.	Radius	Delta	Tan	Arc	Chord	Chord Bearing
6	48.28'	45° 10' 0"	0.0	37.22'	36.28'	S 84° 48' 31" E
7	125.0'	45° 29' 46"	58.70'	101.44'	98.68'	S 50° 56' 13" W
8	100.0'	19° 58' 29"	12.24'	24.39'	24.39'	S 67° 12' 21" W

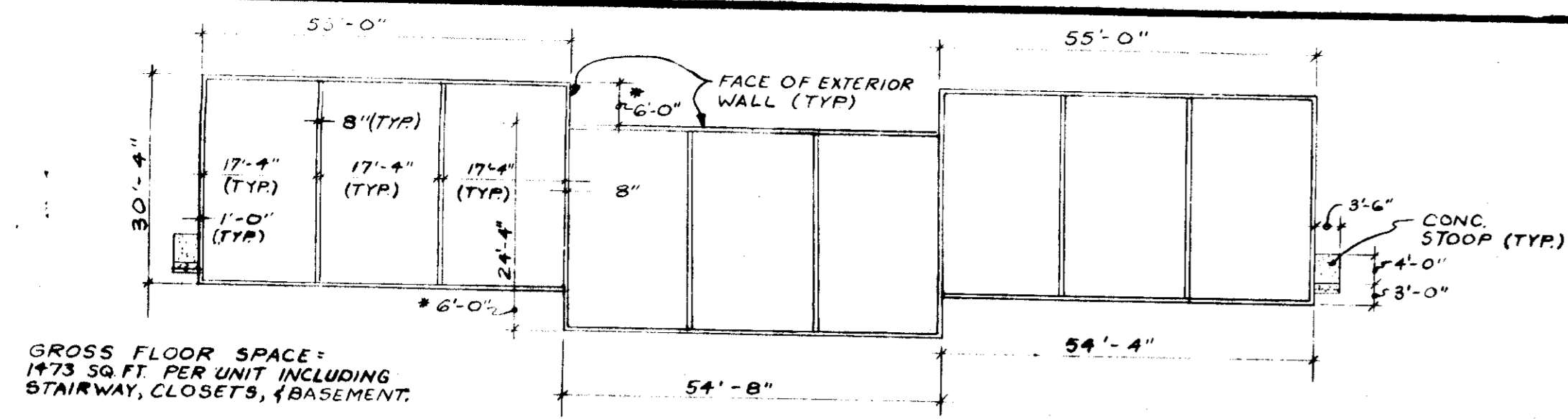
PROJECT CONTROL ENGINEERING PROJECT NUMBER 6014 J.L.F. J.L.F. DATE MARCH 1978 M.J.G. SCALE 1" = 30'

REVISIONS

MARBLE HILL P-83899-9900
HARWOOD - FIRST ELECTION DISTRICT
TAX MAP NUMBER 37 PARCEL NUMBER 568
HOWARD COUNTY, MARYLAND
SEDIMENT CONTROL PLAN

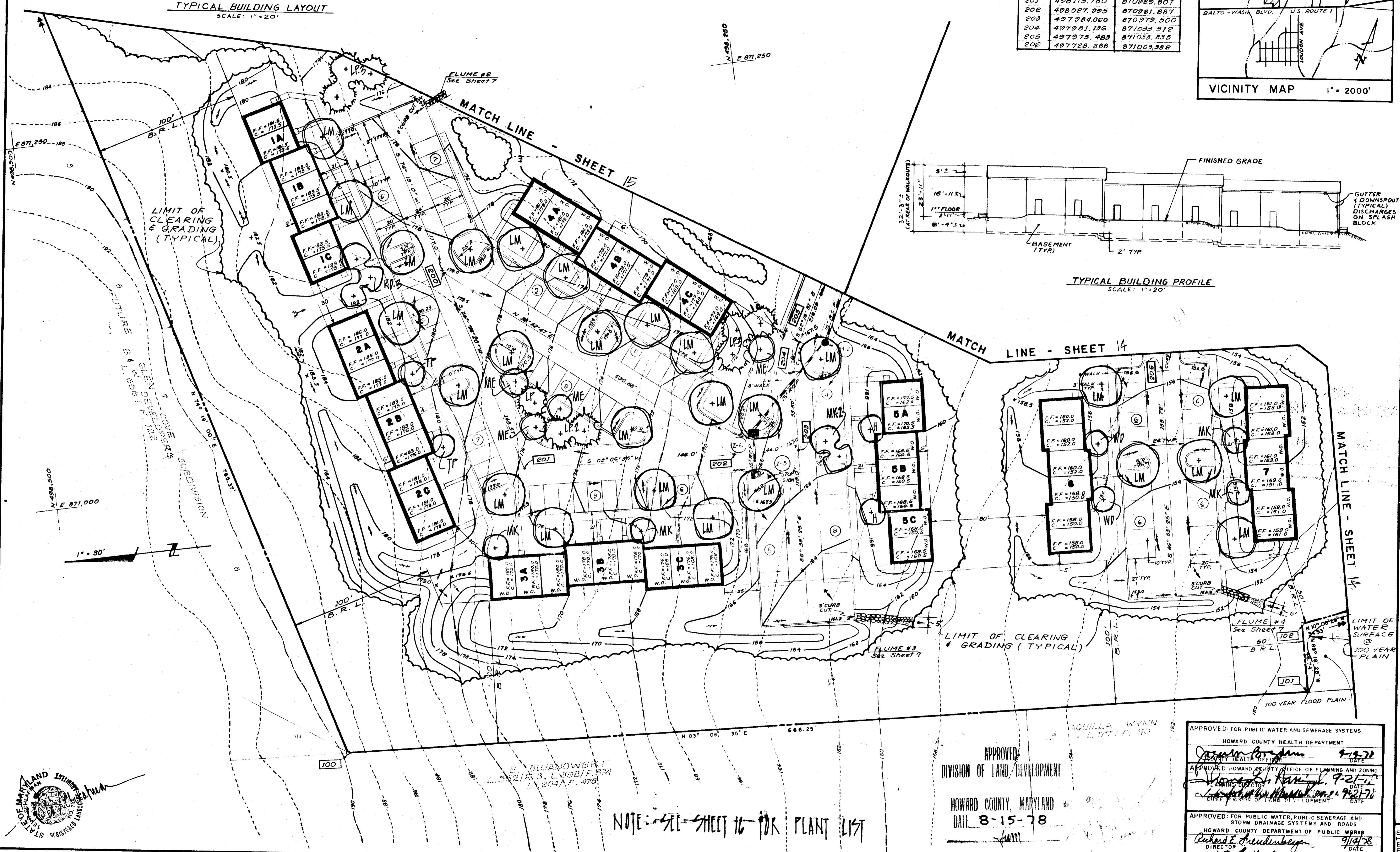
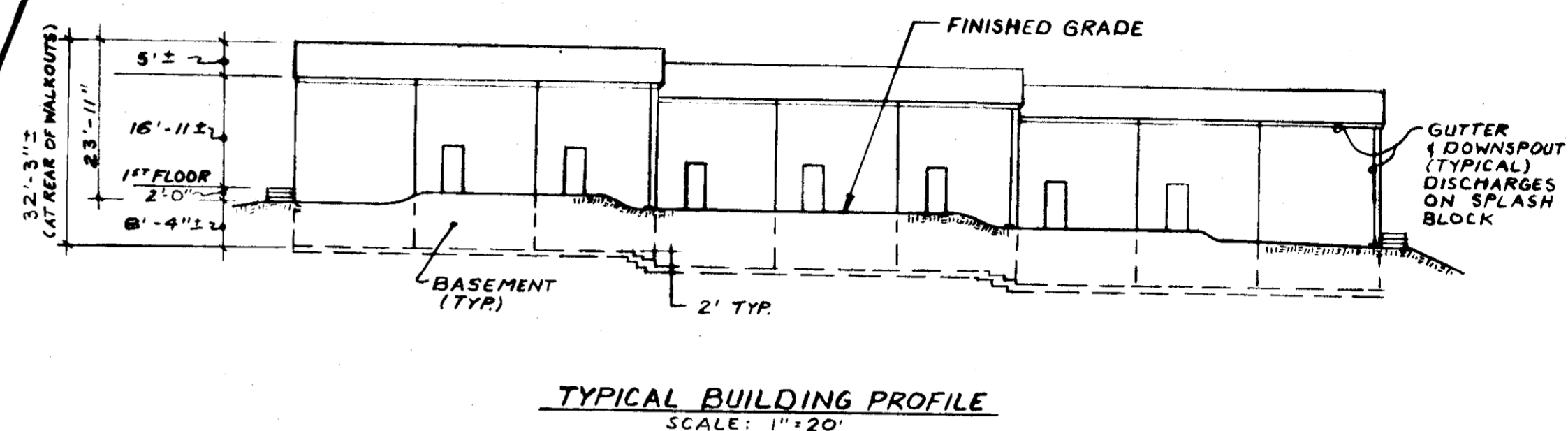
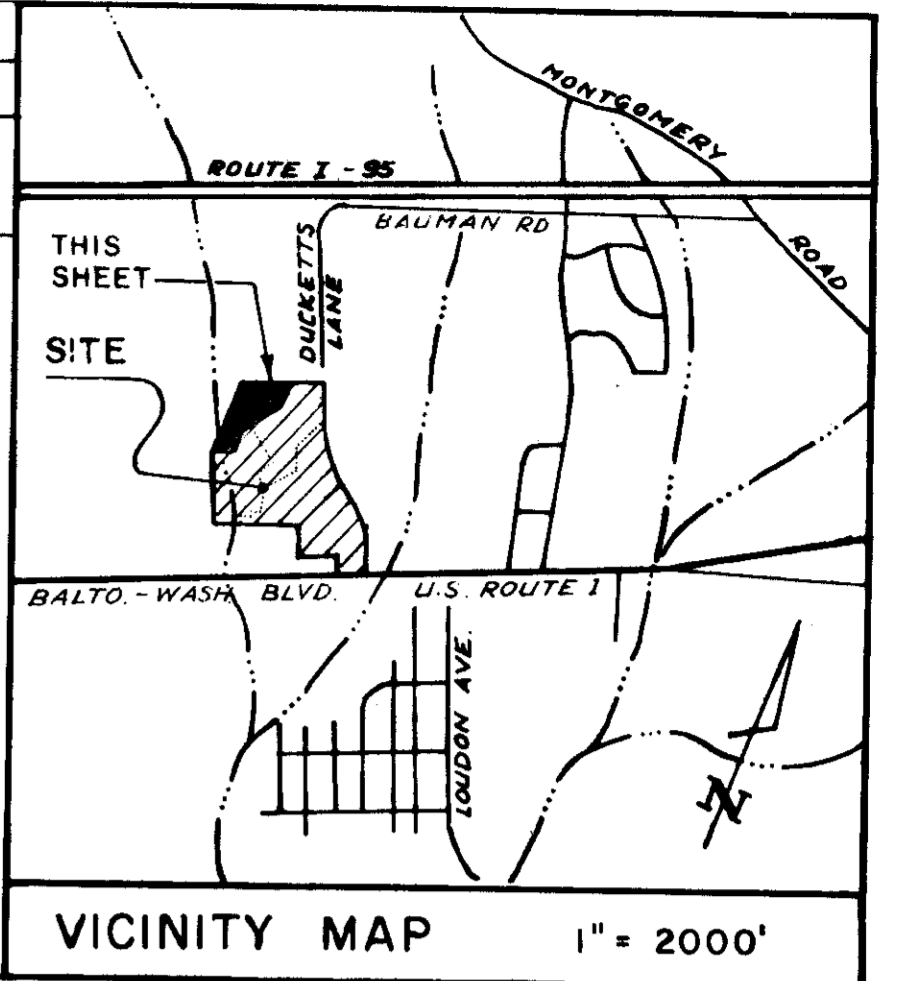
Kamber Engineering
2301 RESEARCH BOULEVARD
ROCKVILLE, MARYLAND 20850
PHONE (301) 840-1030

12 16
SDP-78-115



No.	Radius	Delta	Tan. Arc	Chord	Chord Bearing
1	50.0'	24°34'54"	10.89'	21.45'	S 74° 35' 58" E
2	68.85'	24°34'54"	15.01'	29.54'	S 74° 35' 58" E

POINT NO.	NORTH	EAST
100	498 318.834	870 808.409
101	497 653.965	870 772.267
102	497 653.000	870 819.000
200	498 212.830	871 130.038
201	498 173.780	870 989.807
202	498 027.395	870 981.887
203	497 284.060	870 972.500
204	497 281.136	871 033.312
205	497 275.489	871 053.835
206	497 278.388	871 003.582



APPROVED:
DIVISION OF LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
DATE 8-15-78

APPROVED: FOR PUBLIC WATER AND SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
DATE 9-15-78

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
DATE 9-21-78

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DATE 9-14-78

PROJECT CONTROL
ENGINEERING
PROJECT NUMBER 6014
DATE JULY 1978
SCALE 1" = 30'

REVISIONS

MARBLE HILL PG. 3099-3900
HARWOOD - FIRST ELECTION DISTRICT
TAX MAP NUMBER 37
HOWARD COUNTY, MARYLAND
PARCEL NUMBER 568
LANDSCAPE PLAN

Kamber Engineering
2801 RESEARCH BOULEVARD
ROCKVILLE, MARYLAND 20850
PHONE: (301) 840-1030

13 OF 16
SDP-78-115

LIMIT OF CLEARING & GRADING (TYPICAL)

6" HIGH x 5" LONG
SLOT IN NEAR OF
INLET. ELEV. 155.75

COORDINATE TABLE

POINT NUMBER	NORTH	EAST
103	497 610.000	870 825.000
104	497 608.000	870 845.000
105	497 433.000	870 870.000
106	497 313.000	871 076.000
107	497 232.000	871 142.000
108	497 071.376	871 225.460
207	497 120.603	871 031.642
208	497 667.953	871 131.964
209	497 634.764	871 195.201
210	497 622.867	871 256.247
211	497 535.839	871 264.467
212	497 520.245	871 276.915
213	497 499.084	871 250.303
214	497 449.905	871 244.692
215	497 393.651	871 377.659
216	497 369.451	871 490.879
217	497 395.422	871 542.744
218	497 591.418	871 567.687

THIS PLAN FOR SMALL POND CONSTRUCTION MEETS THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

APPROVED: HOWARD SOIL CONSERVATION DISTRICT DATE

PLAN NUMBER

TABLE OF CURVE DATA

No	Radius	Delta	Tan.	Arc	Chord	Chord Bearing
2	68.85'	24°34'54"	15.0'	29.54'	29.31'	S 74°55'58" E
3	80.0'	66°10'56"	52.13'	82.40'	87.36'	S 05°23'54" E
4	35.0'	30°0'0"	35.0'	54.88'	49.5'	S 06°30'33" W
5	91.01'	78°59'2"	75.0'	125.46'	115.76'	S 77°59'0" E

NOTE: SEE SHEET 16 FOR PLAN LIST

100 YEAR FLOOD PLAIN
DEDICATED TO HOWARD COUNTY
43,576 sq. ft. or 1.0004 AC.

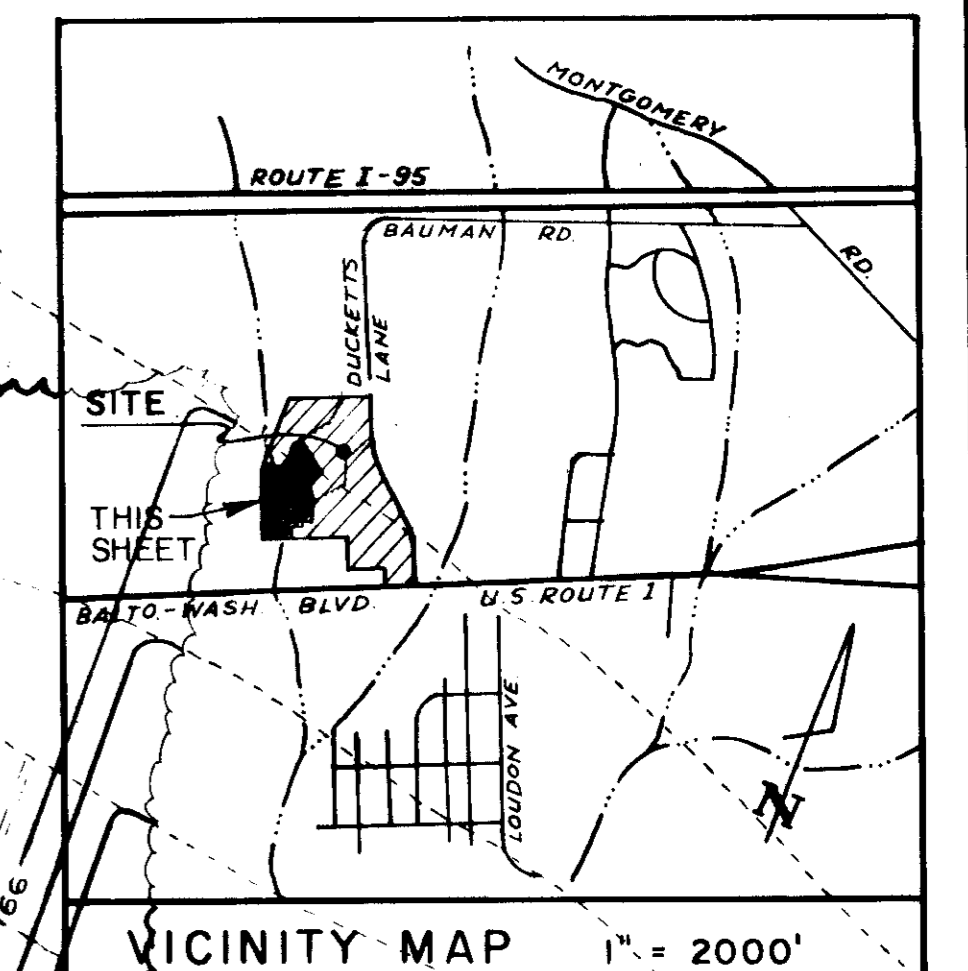
LIMIT OF SURFACE EMERGENCY SPILLWAY
& 100 YEAR FLOOD SEE SHEET #5
PLAIN

NOTE: DEVELOPER WILL PROVIDE HOWARD COUNTY SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE S.W.M. BASIN #1, CERTIFIED BY A REGISTERED CIVIL ENGINEER, WITHIN 30 DAYS AFTER COMPLETION.



APPROVED FOR PUBLIC WATER AND SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
9-19-78
APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
9/19/78
9-14-78

APPROVED
DIVISION OF LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
DATE 8-15-78



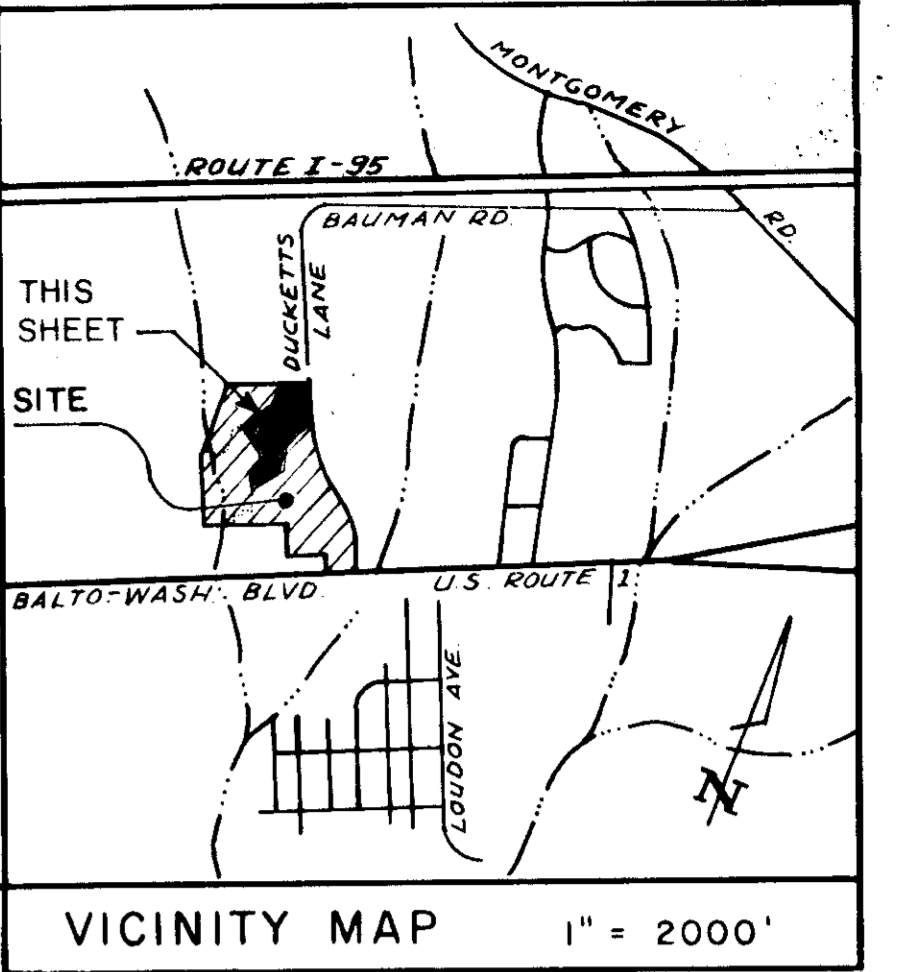
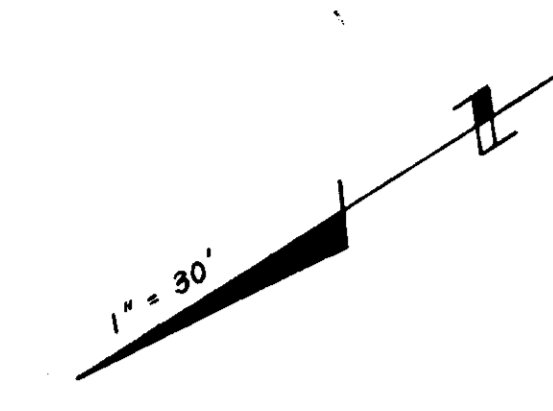
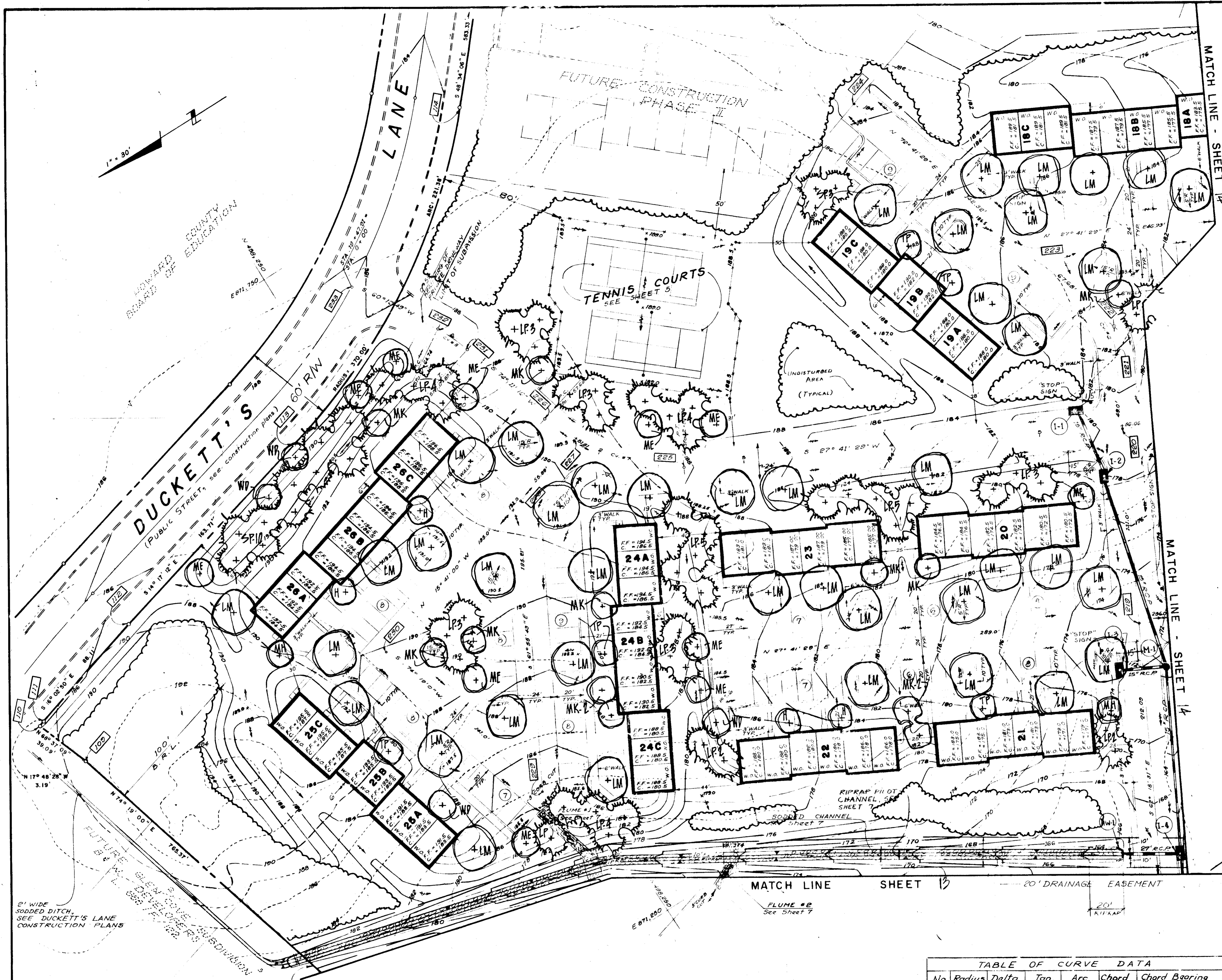
MARBLE HILL P.B. 2000-2000
HARWOOD - FIRST ELECTION DISTRICT
TAX MAP NUMBER 37 PARCEL NUMBER 568
HOWARD COUNTY, MARYLAND
LANDSCAPE PLAN

Kamber Engineering
2301 RESEARCH BOULEVARD
ROCKVILLE, MARYLAND 20850
PHONE: (301) 840-1030

PROJECT CONTROL ENGINEERING
PROJECT NUMBER 6014
DATE JULY 1978
SCALE 1" = 30'

REVISIONS

14 OF 16
SDP-78-115



COORDINATE TABLE

POINT NUMBER	NORTH	EAST
100	498525.729	871545.284
110	498530.982	871581.638
111	498536.341	871582.665
112	498452.260	871607.022
113	498293.609	871647.422
114	498153.235	871711.783
219	497876.922	871841.635
220	497816.045	871357.631
221	497793.275	871401.018
222	497789.931	871437.822
223	497810.067	871502.458
224	497852.412	871638.312
225	498079.028	871495.640
226	498141.210	871572.271
227	498132.412	871549.773
228	498186.219	871534.665
229	498278.078	871562.421
230	498316.193	871496.172
231	498160.416	871640.088
232	498169.844	871662.517
233	498201.013	871776.971

APPROVED
DIVISION OF LAND DEVELOPMENT
HOWARD COUNTY, MARYLAND
DATE 8-15-78
JWM

NOTE
SEE SHEET 16 FOR PLANT LIST



TABLE OF CURVE DATA

No.	Radius	Delta	Tan.	Arc	Chord	Chord Bearing
6	48.28	43°01'0"	20.0'	37.92'	36.96'	S 84°48'31" E
7	125.0'	46°29'48"	53.70'	101.44'	98.68'	S 50°56'19" W
8	100.0'	13°58'29"	12.26'	24.39'	24.33'	S 67°12'2" W

APPROVED FOR PUBLIC WATER AND SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
9-13-78
APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
9-14-78
APPROVED FOR PUBLIC WATER AND SEWERAGE SYSTEMS AND ROADS
9-14-78

PROJECT CONTROL
ENGINEERING
PROJECT NUMBER 6014
DATE JULY 1979
SCALE 1" = 30'

REVISIONS

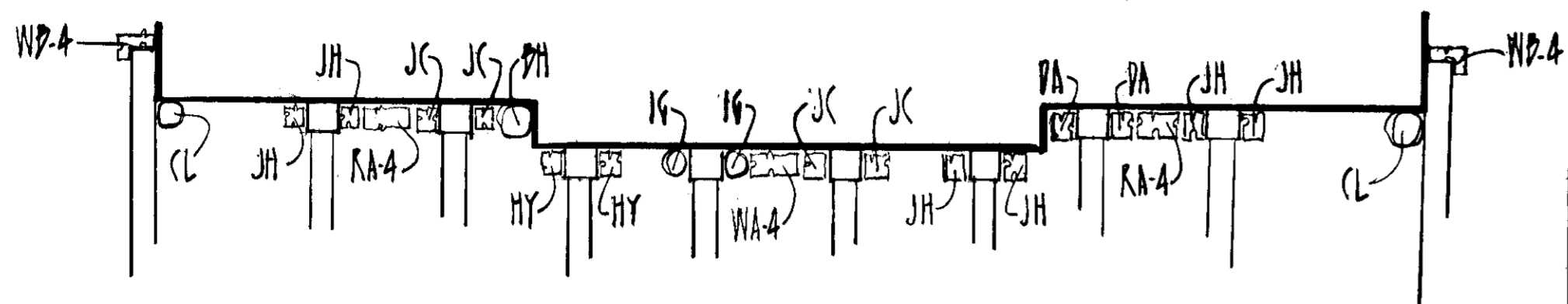
MARBLE HILL
HARWOOD - FIRST ELECTION DISTRICT
TAX MAP NUMBER 37
PARCEL NUMBER 568
HOWARD COUNTY, MARYLAND
LANDSCAPE PLAN

Kamber Engineering
2301 RESEARCH BOULEVARD
ROCKVILLE, MARYLAND 20850
PHONE: (301) 840-1030

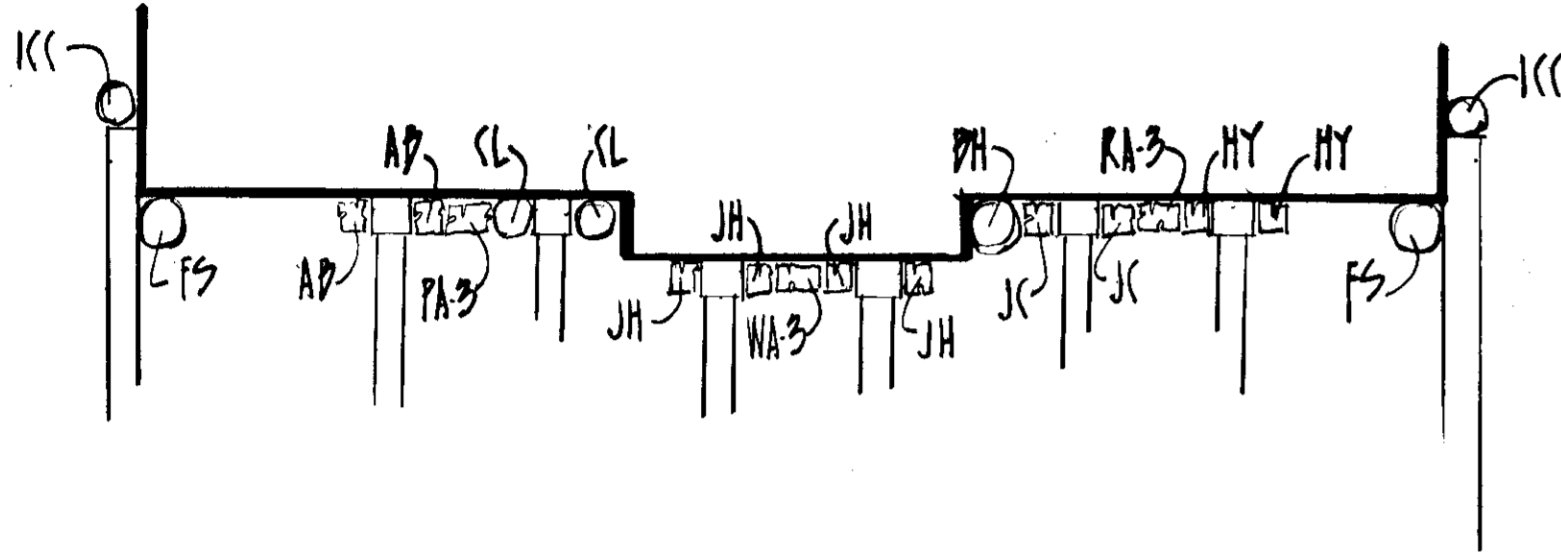


17 of 16
50P-78-11

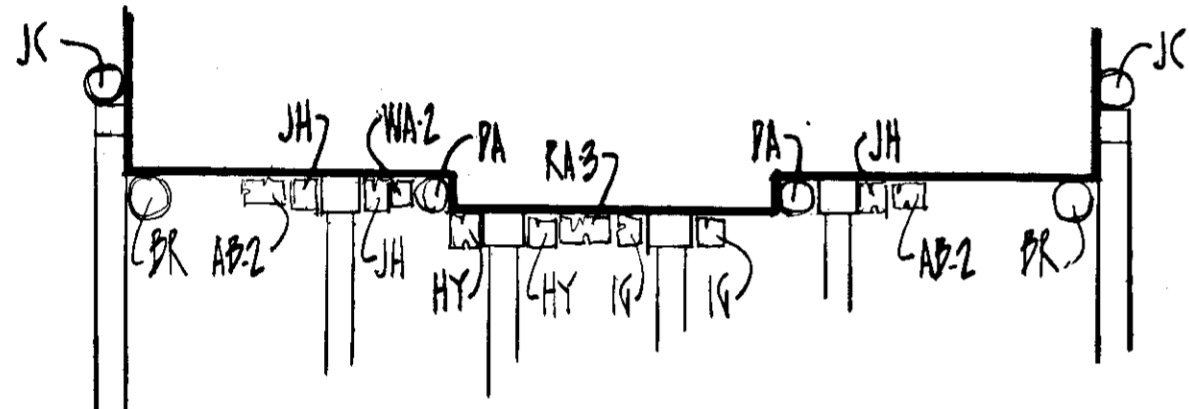
UNITS 12, 13, 14, 26



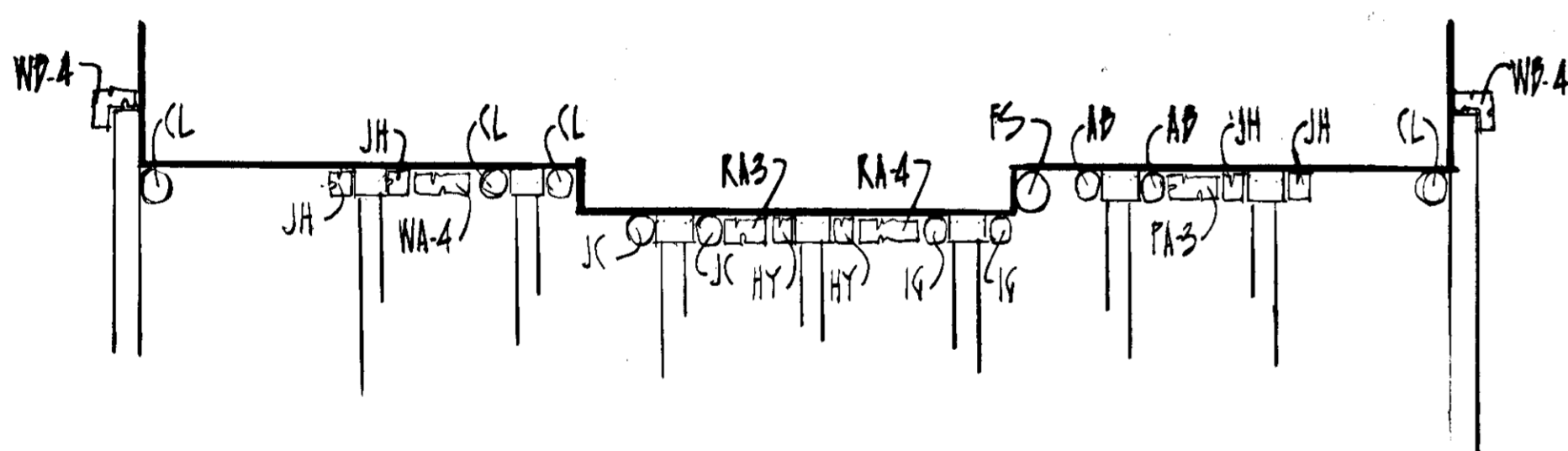
UNITS 10, 15, 17, 19, 25



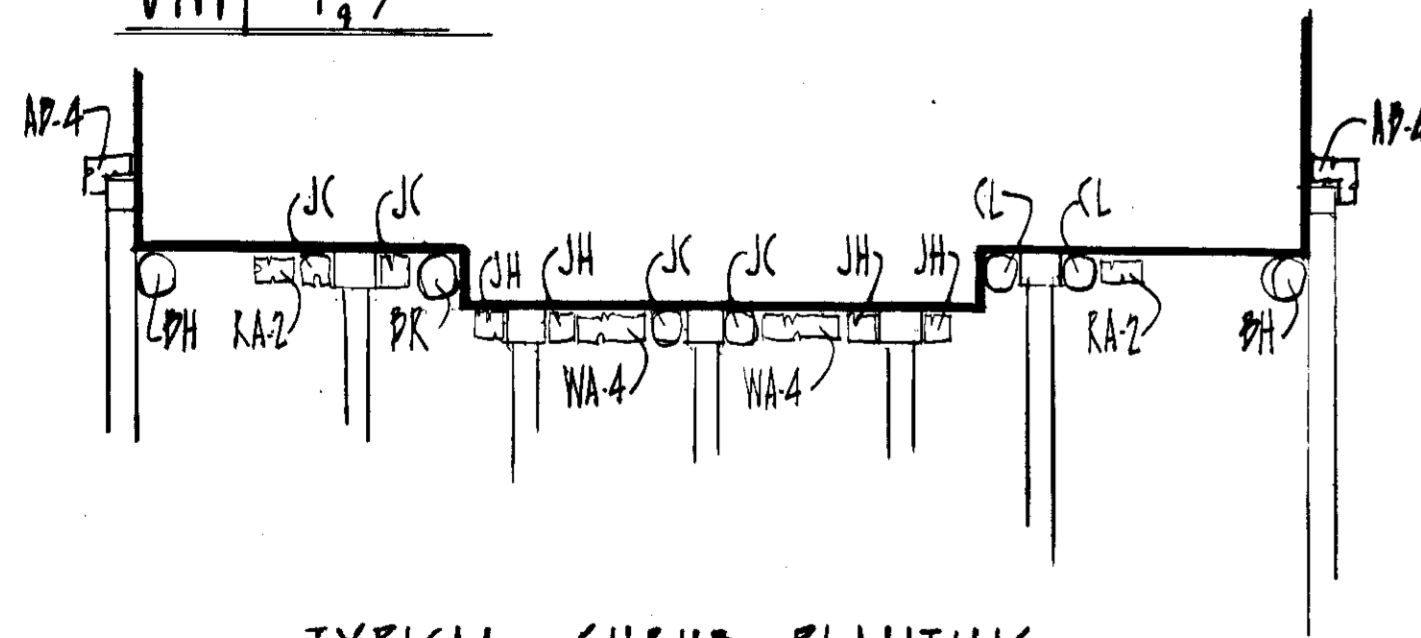
UNITS 6, 7, 11, 13, 14, 16, 20-23



UNITS 2-4, 8, 9



UNIT 1, 5



TYPICAL SHRUB PLANTING

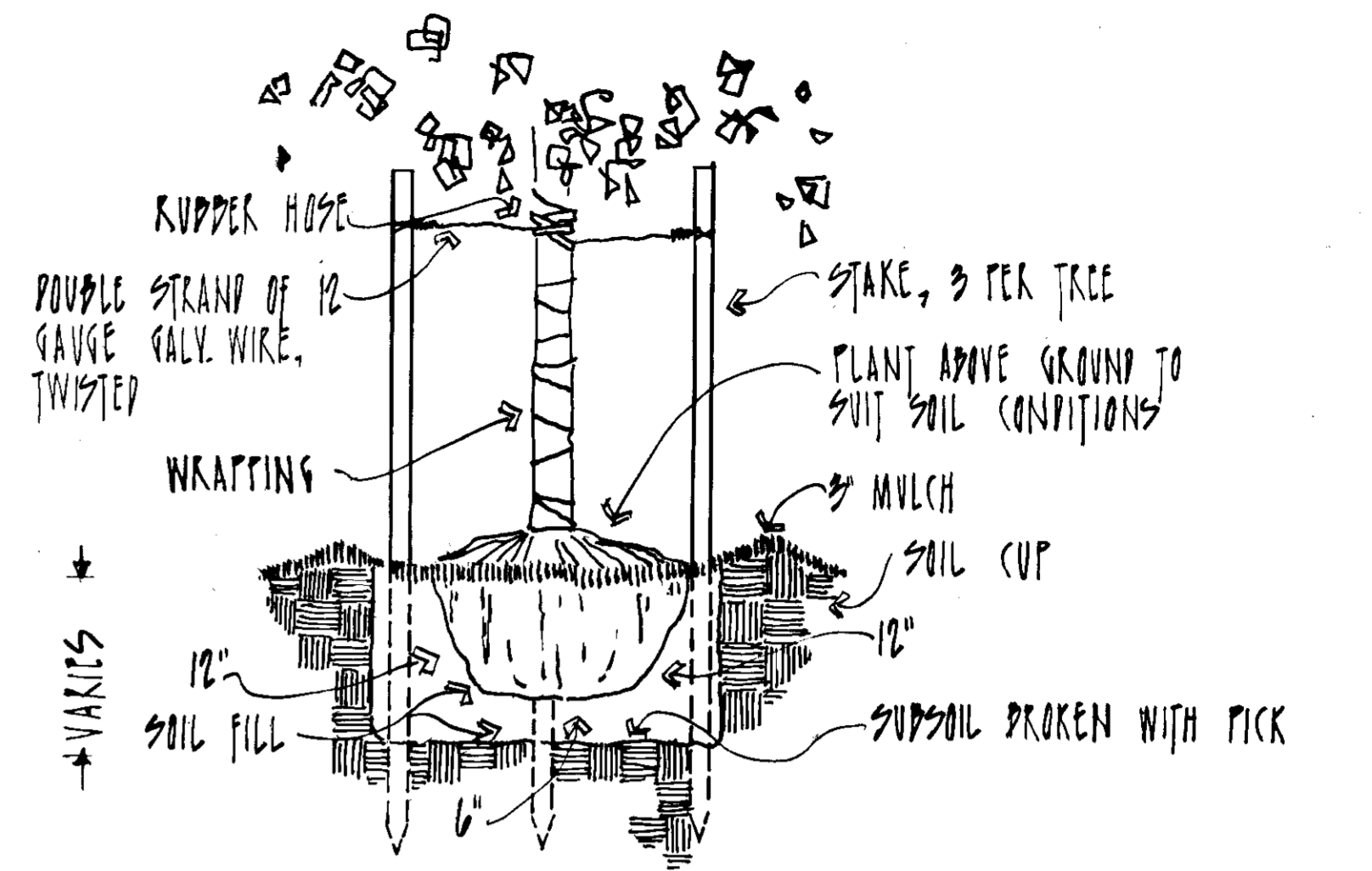
SCALE: 1"=20'-0"

LIST OF PLANT MATERIALS

KEY	BOTANICAL NAME	BOTANICAL NAME	SIZE	QUANTITY
AP	APELIA EDWARD GOUCHER	PINK APELIA	15'-18"	76
LM	ACER RUBRUM	RED MAPLE	1"-1 1/4" CAL.	189
WA	AZALEA KURUME	DEL. VALLEY WHITE AZ.	12'-15'	87
RA	AZALEA KURUME	HERSHEY'S RED AZ.	12'-15'	112
PA	AZALEA KURUME	PINK PEARL AZ.	12'-15'	30
WP	PERDERIS JULIANAE	WINTERGREEN PARPERRY	12'-15'	72
WP	CORNUS FLORIDA	WHITE FLOW. DOGWOOD	6'-8'	8
KP	CORNUS KOUSA	CHINESE DOGWOOD	6'-8'	4
H	CRATAEGUS THAENOPYRUM	WASH. HAWTHORN (TREEFORM)	6'-8'	10
FS	FORSYTHIA SUSPENSIVA	WEeping FORSYTHIA	2'-3'	10
PH	ILEX CORNUTA PURPORA	PURFORD HOLLY	2'-4'	19
JH	ILEX CRENATA COMPACTA	COMPACT JAP. HOLLY	15'-18"	114
ICC	ILEX CRENATA CONVEXA	CONVEXLEAF JAP. HOLLY	15'-18"	10
IG	ILEX GLABRA	INKBERRY	15'-18"	38
JC	JUNIPERUS CHIN. GL. HETZL	HETZ BLUE JUNIPER	10'-14"	76
ME	MALUS ELEYI	ELEY FLOWERING CRAB	6'-8'	27
MH	MALUS HOPE	HOPA CRAB	6'-8'	7
MK	MALUS KATHERINE	KATHERINE CRAB	6'-8'	30
SP	PINUS STROBUS	WHITE PINE	5'-6'	43
LP	PINUS STROBUS	WHITE PINE	6'-8'	96
TP	PRUNUS CERAS THUNDERCLOUD	PURPLELEAF FLOW. PLUM	6'-8'	7
CL	PRUNUS LAURO CERASUS	CHERRY-LAVEL	10'-14"	48
WW	SALIX BABYLONICA	WEeping WILLOW	6'-8'	5
PR	SPIRCA TRUNIFOLIA PLENA	BRIDAL WREATH	2'-3'	25
HY	TAXUS MEDIA HATFIELDI	HATFIELD YEW	15'-18"	48
PA	THUJA OCCIDENTALIS NIGRA	PARK AMER. ARBORVITAE	2'-3'	28

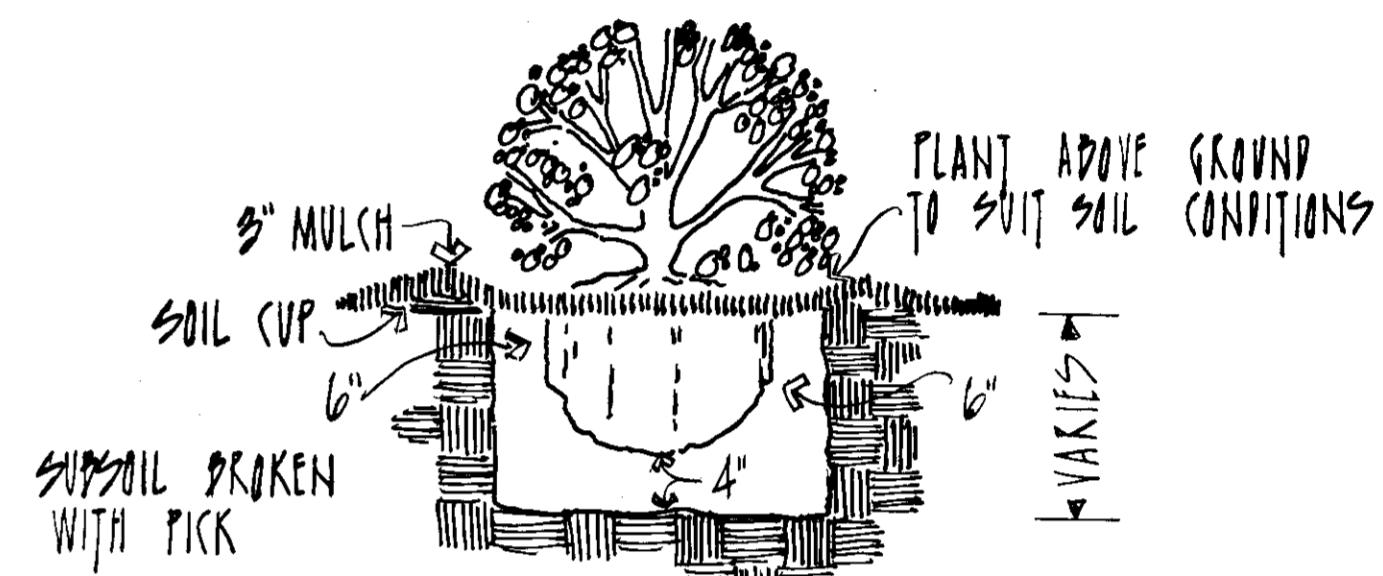
NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL AGENCIES RE/UTILITY LINES
2. ALL TREES & SHRUBS SHALL CONFORM TO REQUIREMENTS NOTED ABOVE. ALL PLANTS SHALL BE IN ACCORDANCE TO A.A.N STANDARDS. ALL MATERIALS SHALL BE "P & B", AND SHALL BE INSTALLED IN A GOOD WORKMANLIKE MANNER.
3. MULCH SHALL BE "ROUNDWOOD" OR EQUAL; BRACING STAKES SHALL BE 2"x2" ROUGH CYPRESS, CEDAR, OR EQUAL.
4. WRAPPING, STAKING & MULCHING SHALL BE DONE AS SOON AS PRACTICAL AFTER PLANTING, BUT WITHIN 48 HOURS.
5. GUARANTEE SHALL BE FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF ACCEPTANCE.
6. IN PERIMETER AREAS WHERE EXISTING TREES ARE FOUND TO BE SPARSE, LANDSCAPE ARCHITECT WILL MARK LOCATIONS FOR ADDITIONAL PLANTING.



PLANTING & STAKING DETAIL

FOR ALL TREES/ WRAPPING FOR DECIDUOUS TREES ONLY
NOT TO SCALE



SHRUB PLANTING DETAIL

NOT TO SCALE

8-15-78
JUM

APPROVED FOR PUBLIC WATER & SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

Gregory Jones 9-19-78
COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING

Thomas L. Kanijs 9-21-78
PLANNING DIRECTOR DATE

John W. Muehlen 9-21-78
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

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

Richard E. Freudenberg 9/14/78
DIRECTOR DATE

W.P. Libart 9-14-78
CHIEF, BUREAU OF ENGINEERING DATE



PROJECT CONTROL
ENGINEERING
PROJECT NUMBER 60014
DATE JULY 1978
SCALE NOTED
APPROVAL

REVISIONS

NO. 1 899-3900
MARKLE HILL RD 899-3900
HARWOOD - FIRST ELECTION DISTRICT HOWARD COUNTY, MD.
TAX MAP NO 57 PARCEL NO 560
LANDSCAPE PLAN

Kamber Engineering
2801 RESEARCH BOULEVARD
ROCKVILLE, MARYLAND 20850
PHONE: (301) 840-1030

16 of 16
SDP-78-115