

VICINITY MAP SCALE 1"=1300'

PROPERTY OF
HOWARD RESEARCH AND
DEVELOPMENT CORPORATION

APPROVED
PLANNING BOARD
OF HOWARD COUNTY

DATE 6/27/73

VILLAGE OF HARPER'S CHOICE
FIFTH ELECTION DISTRICT
SECTION 3, AREA 2, LOTS 7 & 9
PLAT BOOK 13, FOLIO 86

APPROVED FOR PUBLIC WATER & PUBLIC SEWERAGE
SYSTEMS, HOWARD COUNTY HEALTH
DEPARTMENT.
County Health Officer Date

APPROVED HOWARD COUNTY OFFICE OF PLANNING
AND ZONING
Planning Director Date
Chief of Division Date
Land Development

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE
AND STORM DRAINAGE SYSTEMS & ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC
WORKS.
Director Date
Chief of Bureau of Highways Date

ALL BASEMENT ELEVATIONS SHALL
BE A MINIMUM OF TWO (2) FEET
ABOVE THE 100 YEAR FLOOD PLAIN.
NO BUILDING CONSTRUCTION SHALL
BE PERMITTED WITHIN THE 100
YEAR FLOOD PLAIN.

N 505.935 07
E 633.266 02

N 505.922 27
E 633.061 57

N 505.470 00
E 633.705 00

N 505.250 00
E 633.705 00

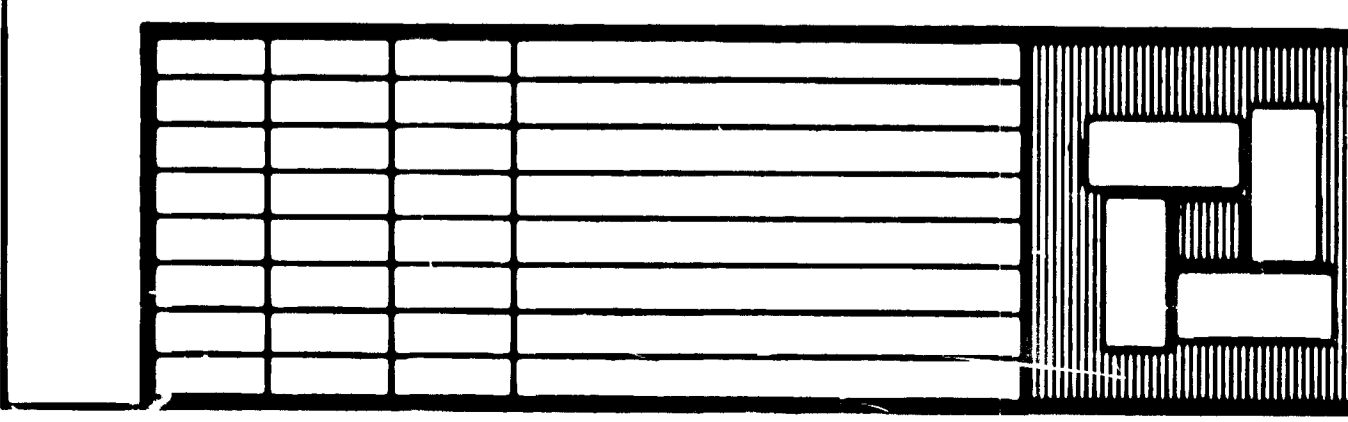
N 505.250 00
E 633.421 06

N 505.281 56
E 633.315 44

N 505.960 67
E 633.715 58

- LEGEND**
- 400 --- EXISTING CONTOURS
 - 400 --- PROPOSED CONTOURS
 - --- PROPOSED PAVING
 - --- EXISTING SANITARY
 - --- PROPOSED STORM DRAINS
 - --- PROPOSED CONC. SIDEWALK
 - +418.0 PROPOSED SPOT E.L.
 - --- PROPOSED 18" WIDE 2' DED. CONC. CURB (CUTTER)
 - --- 4" D CONC. BARRIER CURB
 - --- DIRECTION OF STORM WATER FLOW

- BENCH MARKS**
- B.M.#1 X-CUT ON RIM SAN. M.H. EL. 435.88
 - B.M.#2 3 CUT NAILS SET IN 20" POPLAR EL. 411.70
 - B.M.#3 3 CUT NAILS SET IN 30" POPLAR EL. 401.85
 - B.M.#4 3 CUT NAILS SET IN 18" POPLAR EL. 428.80



ROUSE-WATES INC. COLUMBIA, MD. 21043-301-730-9000
TELEX: ROUSWATE - 87799

PAT & CHIPMAY ARCHITECTS AIA
5723 GREENSPRING AVE BALTIMORE MD 21209

DMK

STONEYBROOK the village of HARPER'S CHOICE
luxury apartments columbia · maryland

Kamber & Watkins
PLANNING, CIVIL, STRUCTURAL, ENVIRONMENTAL
3370 HERBIDGE AVENUE
SHEVER SPRING, MARYLAND 20802 (301) 946-4545

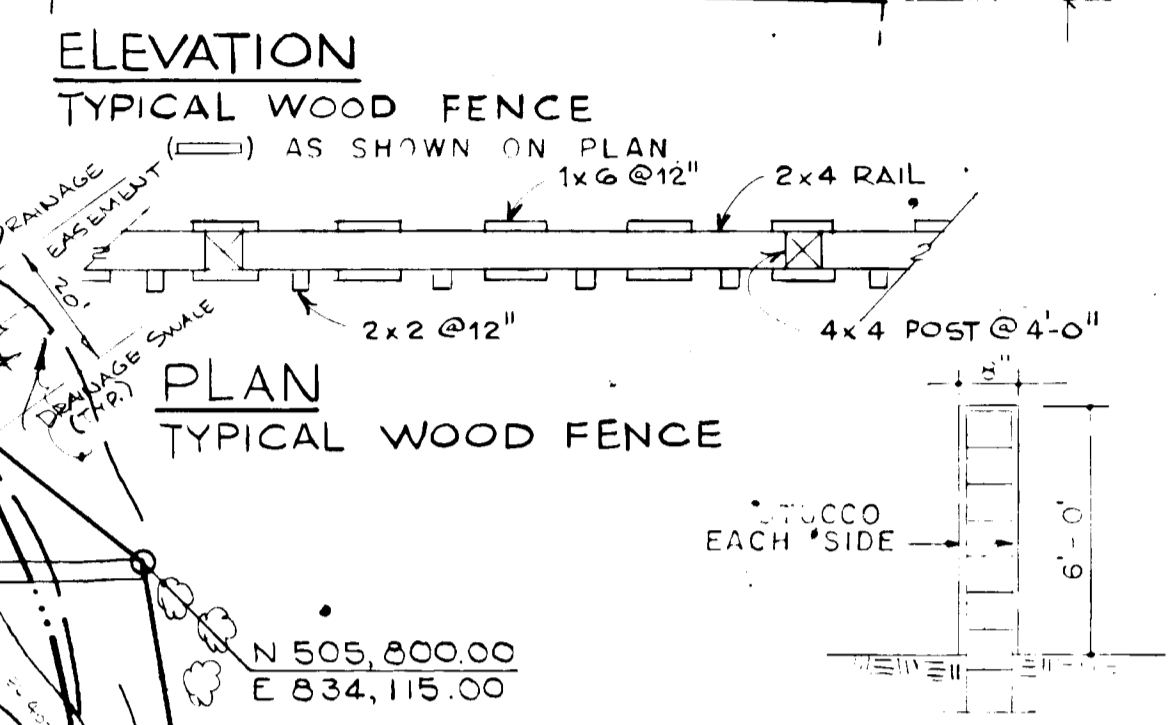
DATE 5/8/73
DRAWN W.I.S.
CHECKED D.M.K.
SCALE 1" = 30'
JOB NO.

GRADING SITE
PLAN-SOUTH

L1
SDP-73-53-C

ALL BASEMENT ELEVATIONS SHALL BE A MINIMUM OF TWO (2) FEET ABOVE THE 100 YEAR FLOOD PLAIN. NO BUILDING CONSTRUCTION SHALL BE PERMITTED WITHIN THE 100 YEAR FLOOD PLAIN.

BUILDING SCHEDULE				
BLDG. NO.	1 B.R. APT. AVG. GROSS SF. 1095	2 B.R. APT. AVG. GROSS SF. 1468	3 B.R. APT. AVG. GROSS SF. 1599	TOTAL
1	6	6	6	18
2	12	12	12	36
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
7	0	0	0	0
8	0	0	0	0
9	0	0	0	0
10	0	0	0	0
11	0	0	0	0
12	0	0	0	0
13	0	0	0	0
14	0	0	0	0
15	0	0	0	0
16	0	0	0	0
17	0	0	0	0
18	0	0	0	0
19	0	0	0	0
20	0	0	0	0
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25	0	0	0	0
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36	0	0	0	0
37	0	0	0	0
38	0	0	0	0
39	0	0	0	0
40	0	0	0	0
41	0	0	0	0
42	0	0	0	0
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45	0	0	0	0
46	0	0	0	0
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91	0	0	0	0
92	0	0	0	0
93	0	0	0	0
94	0	0	0	0
95	0	0	0	0
96	0	0	0	0
97	0	0	0	0
98	0	0	0	0
99	0	0	0	0
100	0	0	0	0



- SITE ANALYSIS**
- ZONING: APARTMENTS
 AREA OF SITE = 763,606.80 s.f.
 = 17.530 ACRES
 BUILDING COVERAGE = 113,873 s.f.
 PERCENT COVERAGE = 14.72
 NO. OF UNITS ALLOWED = 262
 NO. OF UNITS PROVIDED = 240
 MINIMUM PARKING SPACES REQUIRED = 360
 PARKING SPACES PROVIDED = 361
- GENERAL NOTES**
1. TOPOGRAPHIC SURVEY PREPARED BY PURDUM AND JESCHKE, DATED 4/29/71
 2. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 48 HOURS PRIOR TO CONSTRUCTION
 3. ALL STORM DRAINAGE WORK SHALL BE DONE IN ACCORDANCE WITH THE DETAILS AND REQUIREMENTS OF THE HOWARD COUNTY "ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATIONS"
 4. SEE SEDIMENT CONTROL DRAWINGS L-7 AND L-8 PRIOR TO CONSTRUCTION

APPROVED FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
 County Health Officer: [Signature] Date: 5/1/73

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 Planning Director: [Signature] Date: 5-1-73
 Chief, Division of Land Development: [Signature] Date: 5/1/73

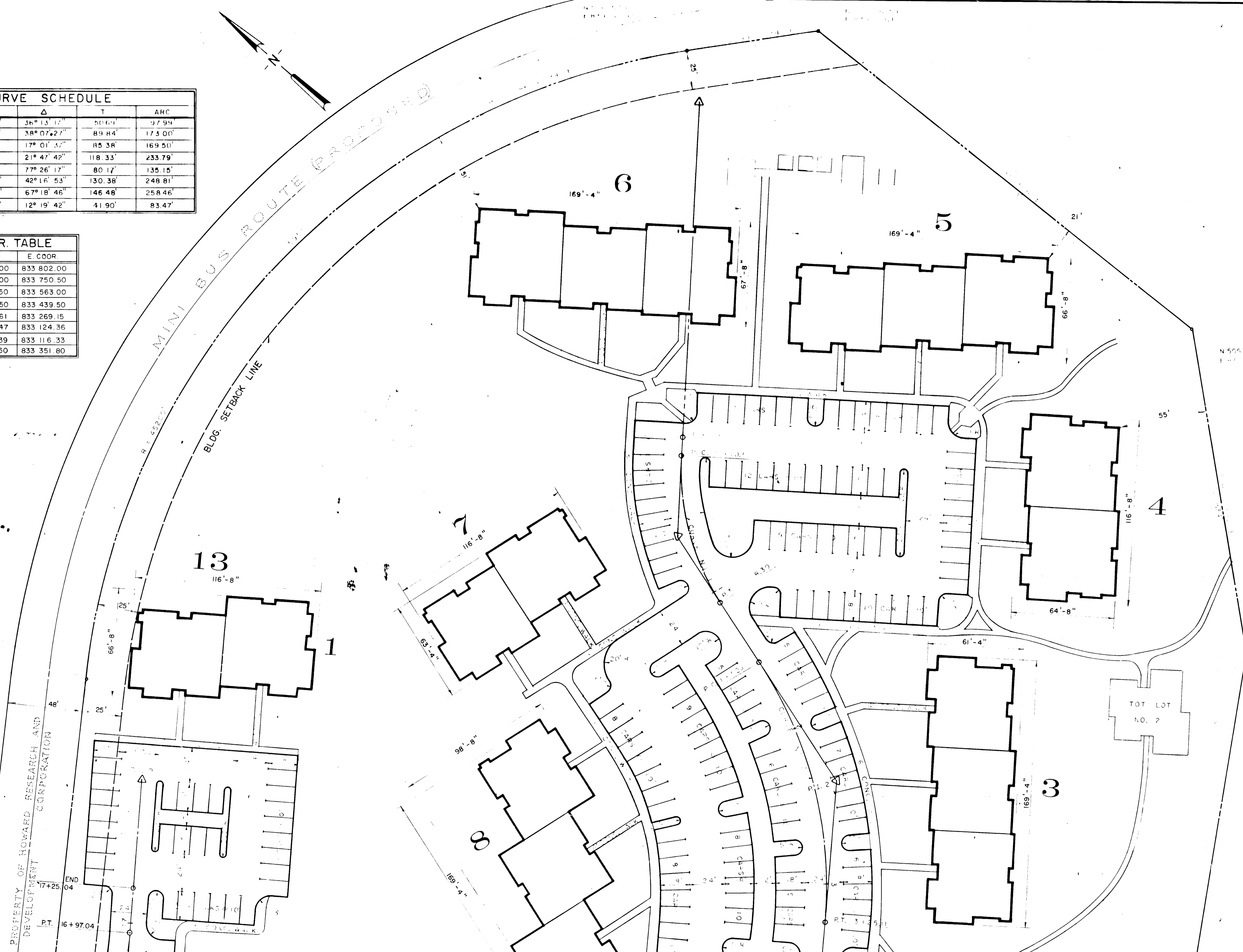
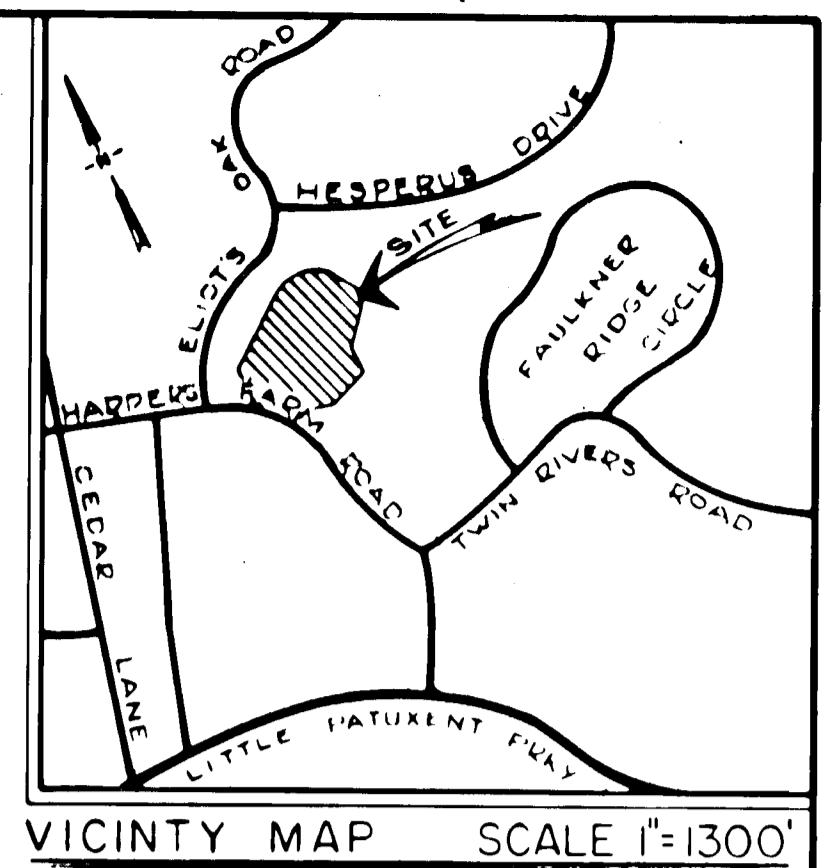
APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS & ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
 Director: [Signature] Date: 7/2/73
 Chief Bureau of Highway: [Signature] Date: 7/2/73



	ROUSE-WATES INC. COLUMBIA, MD. 21043 - 301-730-9000 TELEX: ROUSWATE - 87799	STONEYBROOK the village of HARPER'S CHOICE luxury apartments columbia · maryland ENGINEERING · CIVIL · STRUCTURAL · ENVIRONMENTAL 2411 REEBERIDGE AVENUE SILVER SPRING, MARYLAND 20910-1000	DATE 5/8/73 DRAWN W.I.S. CHECKED D.M.K. SCALE 1" = 30' JOB NO.	GRADING SITE PLAN-NORTH L2
	PAT & CHIPMAY ARCHITECTS AIA 5723 GREENSPRING AVE BALTIMORE MD 21209			[Handwritten notes and signatures]

E CURVE SCHEDULE				
CURVE	R	Δ	T	ARC
1	155.00'	36° 13' 17"	50.67'	97.99'
2	260.00'	38° 07' 27"	89.84'	173.00'
3	570.37'	17° 01' 37"	185.38'	169.50'
4	614.62'	21° 47' 42"	118.33'	233.79'
5	100.00'	77° 26' 17"	80.17'	135.15'
6	337.17'	42° 16' 53"	130.38'	248.81'
7	220.00'	67° 18' 46"	146.48'	258.46'
8	387.95'	12° 19' 42"	41.90'	83.47'

P. I. COOR. TABLE		
P. I.	N. COOR.	E. COOR.
1	505 962.00	833 802.00
2	505 785.00	833 750.50
3	505 650.50	833 563.00
4	505 488.50	833 439.50
5	505 386.61	833 269.15
6	505 539.47	833 124.36
7	505 934.39	833 116.33
8	506 038.50	833 351.80



APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE 6/27/73
 VILLAGE OF HARPER'S CHOICE
 FIFTH ELECTION DISTRICT
 SECTION 3, AREA 2, LOTS 7 & 9
 PLAT BOOK 13, FOLIO 86

APPROVED FOR PUBLIC WATER & PUBLIC 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 Date

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS & ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
 Director Date
 Chief Bureau of Highways Date

MATCH LINE B-B SEE SHEET NO. L3 OF L10

ROUSE-WATES INC. COLUMBIA, MD. 21043-301-730-9000
 TELEX: ROUSWATE - 87799

PAT & CHIP MAY ARCHITECTS AIA
 5723 GREENSPRING AVE BALTIMORE MD 21209

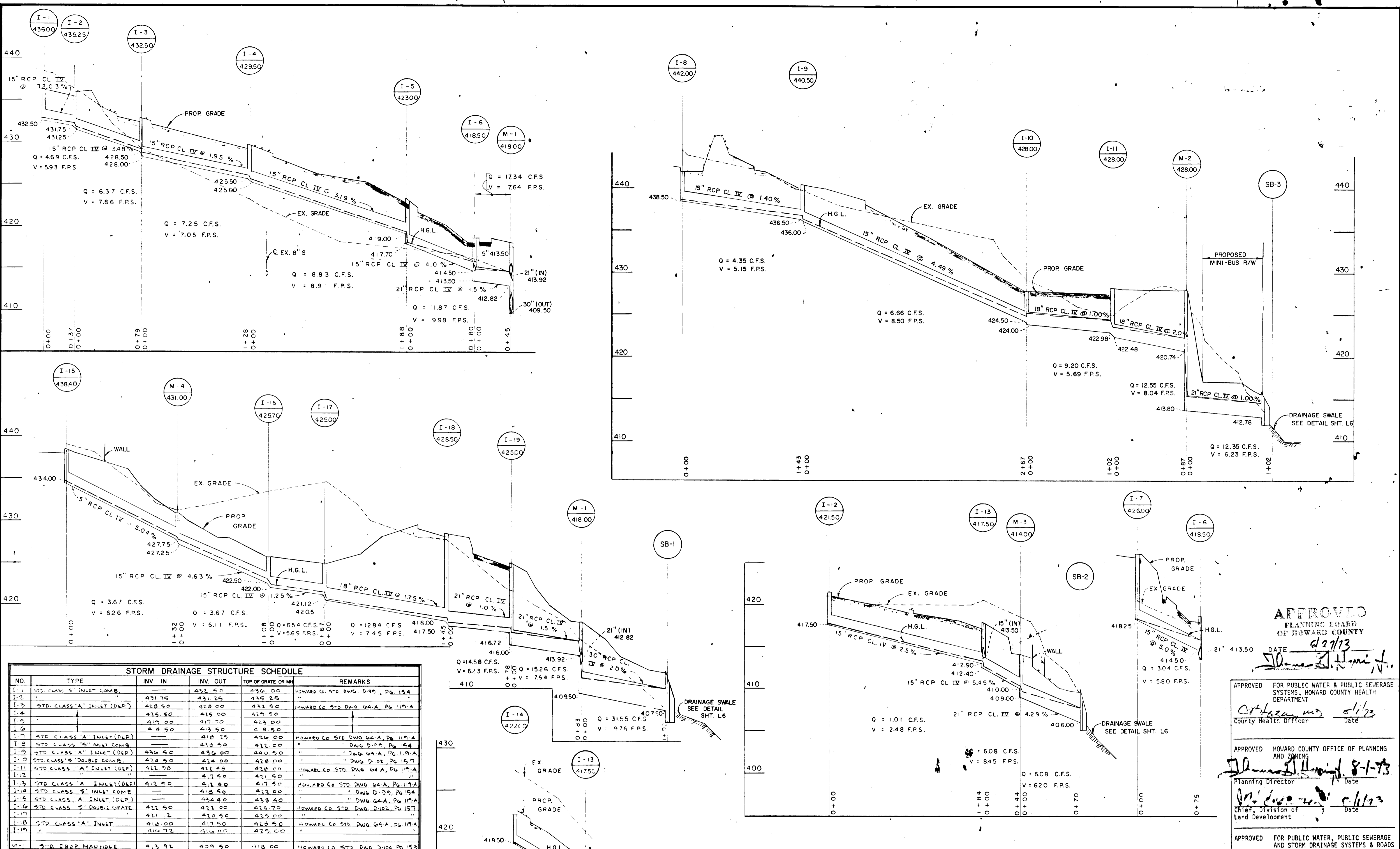
STONEYBROOK the village of HARPER'S CHOICE
 luxury apartments columbia · maryland

Kamber & Watkins
 ENGINEERING - CIVIL / STRUCTURAL / ENVIRONMENTAL
 2411 BLUERIDGE AVENUE, SILVER SPRING, MARYLAND 20902, (301) 946-4545

DATE 5/8/73
 DRAWN W.I.S.
 CHECKED D.M.K.
 SCALE 1"=30'
 JOB NO.

GEOMETRIC SITE PLAN-NORTH
L4

SNP1533-



STORM DRAINAGE STRUCTURE SCHEDULE					
NO.	TYPE	INV. IN	INV. OUT	TOP OF GRATE OR MH	REMARKS
I-1	STD. CLASS "S" INLET COMB.	431.75	432.25	432.50	HOWARD CO. STD. DWG. D-99, Pg. 154
I-2	STD. CLASS "A" INLET (DEP.)	428.50	428.00	428.25	HOWARD CO. STD. DWG. 64-A, Pg. 117-A
I-3	"	425.50	425.00	425.25	"
I-4	"	417.70	417.00	417.50	"
I-5	"	412.82	412.50	412.50	"
I-6	STD. CLASS "A" INLET (DEP.)	418.25	418.00	418.00	HOWARD CO. STD. DWG. 64-A, Pg. 117-A
I-7	STD. CLASS "S" INLET COMB.	418.25	418.00	418.00	" DWG. D-99, Pg. 154
I-8	STD. CLASS "A" INLET (DEP.)	422.50	422.00	422.00	" DWG. 64-A, Pg. 117-A
I-9	STD. CLASS "S" INLET COMB.	422.50	422.00	422.00	" DWG. 64-A, Pg. 117-A
I-10	STD. CLASS "A" INLET (DEP.)	422.50	422.00	422.00	" DWG. D-102, Pg. 157
I-11	STD. CLASS "A" INLET (DEP.)	422.50	422.00	422.00	HOWARD CO. STD. DWG. 64-A, Pg. 117-A
I-12	"	417.50	417.00	417.50	"
I-13	STD. CLASS "A" INLET (DEP.)	412.82	412.50	412.50	HOWARD CO. STD. DWG. 64-A, Pg. 117-A
I-14	STD. CLASS "S" INLET COMB.	412.82	412.50	412.50	" DWG. D-99, Pg. 154
I-15	STD. CLASS "A" INLET (DEP.)	412.82	412.50	412.50	" DWG. 64-A, Pg. 117-A
I-16	STD. CLASS "S" INLET COMB.	412.82	412.50	412.50	HOWARD CO. STD. DWG. D-103, Pg. 157
I-17	"	412.82	412.50	412.50	"
I-18	STD. CLASS "A" INLET	416.72	416.00	416.00	HOWARD CO. STD. DWG. 64-A, Pg. 117-A
I-19	"	416.72	416.00	416.00	"
M-1	STD. DROP MANHOLE	413.92	409.50	418.00	HOWARD CO. STD. DWG. D-104, Pg. 159
M-2	"	413.92	413.80	418.00	" DWG. D-104, Pg. 159
M-3	STD. MANHOLE	418.00	418.00	418.00	" DWG. D-103, Pg. 158
M-4	"	417.75	417.35	431.00	" DWG. D-103, Pg. 158
SB-1	STILLING BASIN (30')	407.50			SEE DETAIL SHT. L6
SB-2	" (21')	406.00			"
SB-3	" (12')	412.78			"

STORM DRAIN PROFILES

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

VILLAGE OF HARPER'S CHOICE
FIFTH ELECTION DISTRICT
SECTION 3, AREA 2, LOTS 7 & 9
PLAT BOOK, 13, FOLIO 86

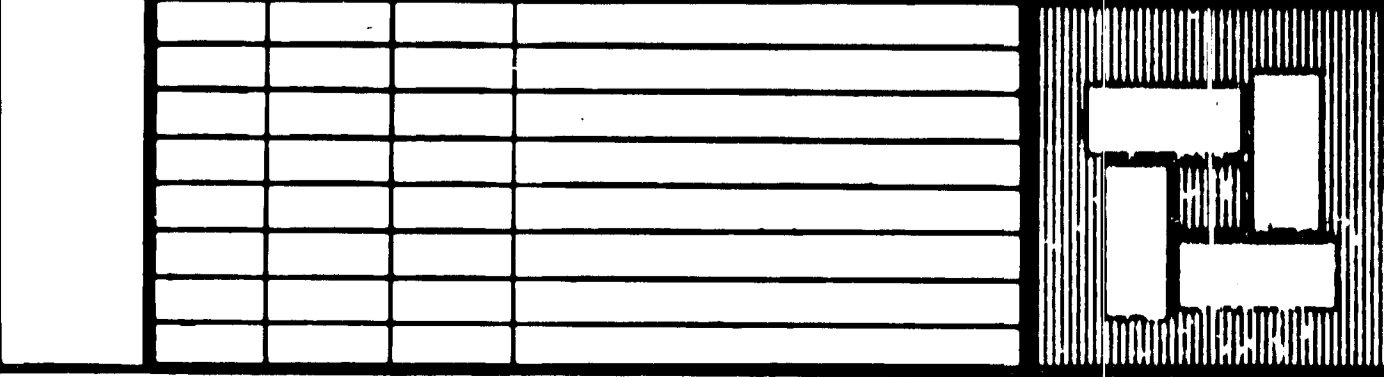
APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 8/27/73
James J. Hough

APPROVED
FOR PUBLIC WATER & PUBLIC SEWERAGE
SYSTEMS, HOWARD COUNTY HEALTH
DEPARTMENT
Orthman 5/1/73
County Health Officer Date

APPROVED
HOWARD COUNTY OFFICE OF PLANNING
AND ZONING
James J. Hough 8-1-73
Planning Director Date

APPROVED
FOR PUBLIC WATER, PUBLIC SEWERAGE
AND STORM DRAINAGE SYSTEMS & ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC
WORKS.
W. J. ... 7/2/73
Director Date

APPROVED
FOR PUBLIC WATER, PUBLIC SEWERAGE
AND STORM DRAINAGE SYSTEMS & ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC
WORKS.
E. J. ... 7/17/73
Chief Bureau of Highways Date



ROUSE-WATES INC. COLUMBIA, MD. 21043-301-730-9000
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5723 GREENSPRING AVE BALTIMORE MD 21209



STONEBROOK the village of HARPER'S CHOICE
luxury apartments columbia · maryland

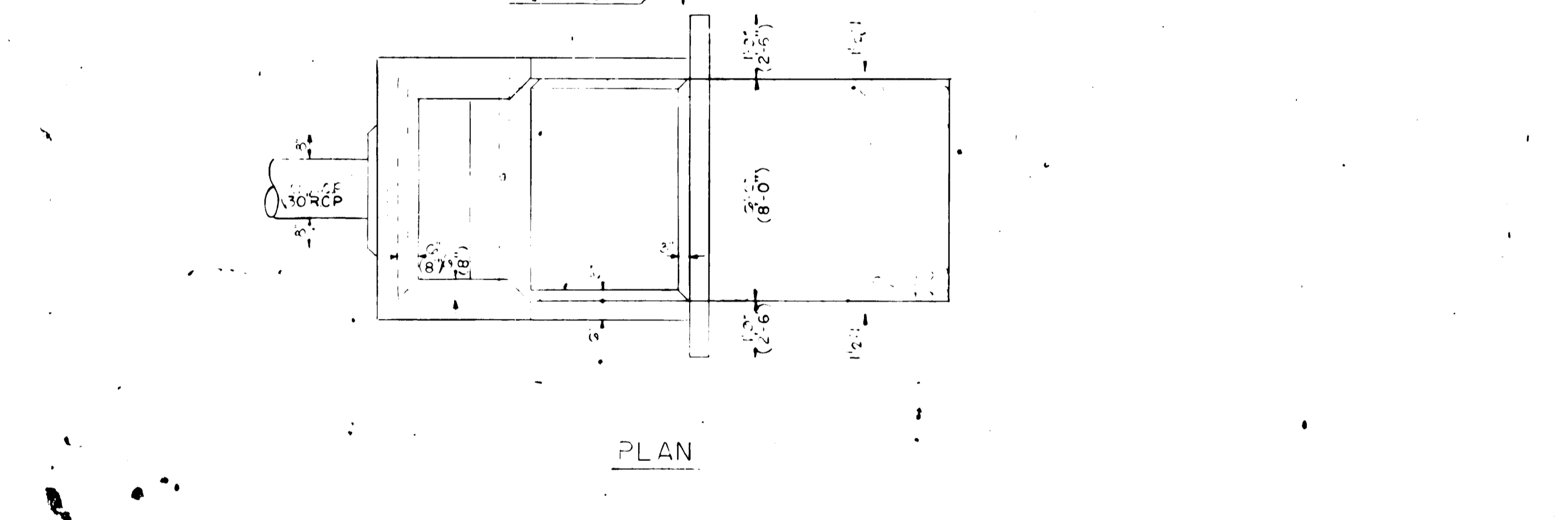
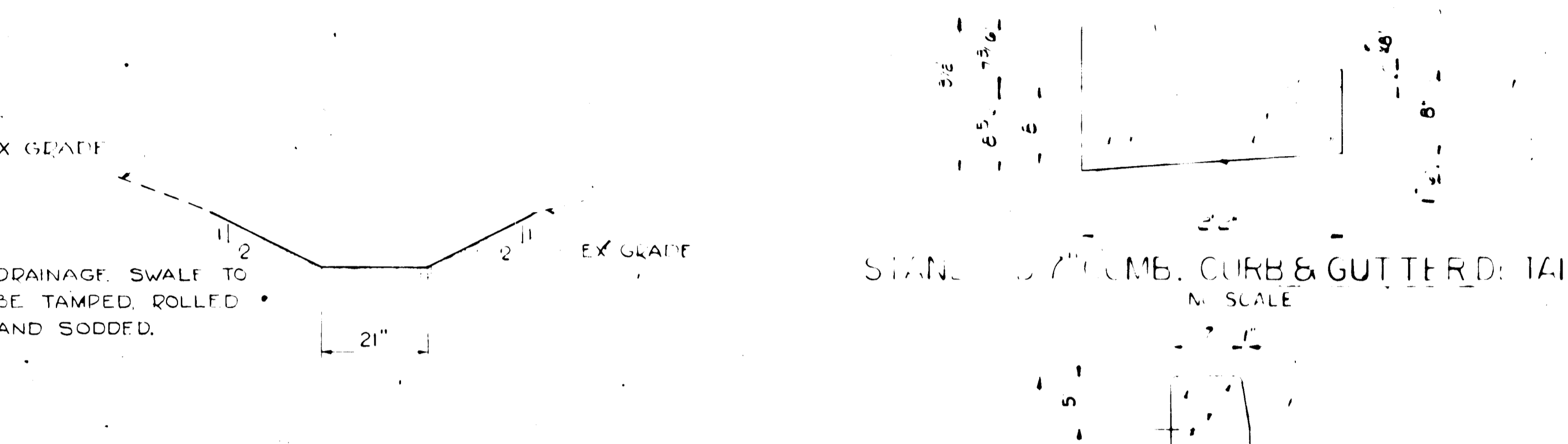
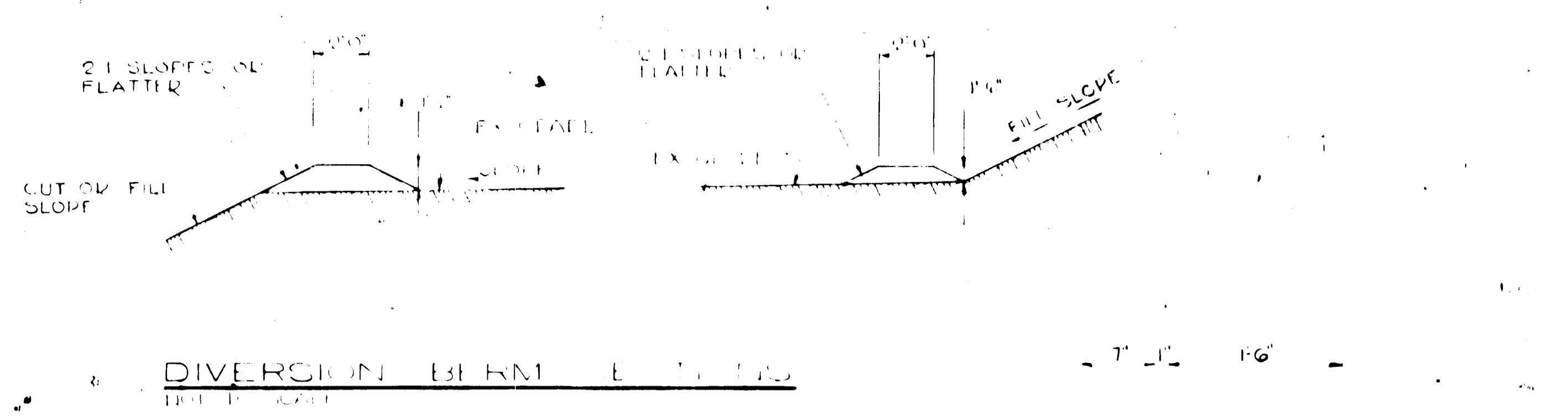
Kamber & Watkins
ENGINEERING CIVIL / STRUCTURAL / ENVIRONMENTAL
2411 BLUESRIDGE AVENUE
SILVER SPRING, MARYLAND 20902. (301) 946-4545

DATE 5/8/73
DRAWN W.I.S.
CHECKED C.M.K.
SCALE AS SHOWN
JOB NO.

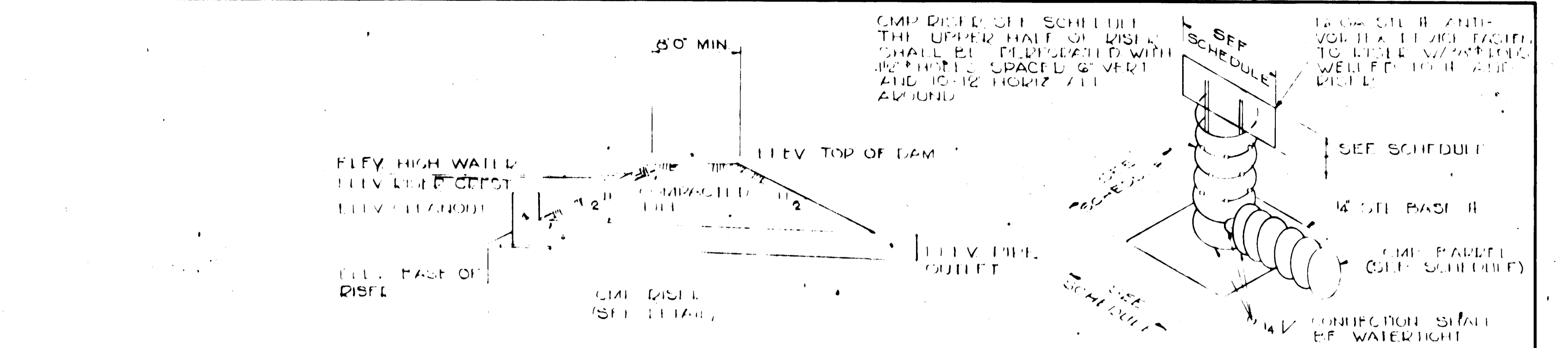
STORM DRAIN PROFILES

L5

SBP13



1	10/25/72	J.M.D.	SILT TRAP DETAIL
2	1/15/73	J.M.D.	CHANNEL & PAVING SECTIONS

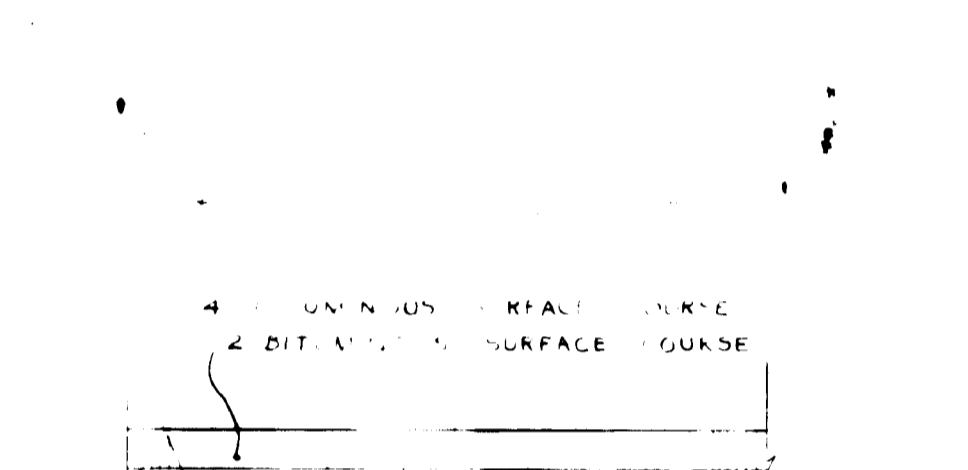


- SEDIMENT BASIN NOTES**
1. LEVEL THE BED FOR THE PIPE SPILLWAY TO PROVIDE UNIFORM SUPPORT THROUGHOUT ITS ENTIRE LENGTH UNDER THE DAM.
 2. HAND TAMP FILL UNDER SHOULDERS & AROUND THE PIPE TO A HEIGHT OF TWO (2) FEET OVER THE PIPE. THE REMAINING FILL SHALL BE MACHINE COMPACTED IN NOT MORE THAN 6" LIFTS.
 3. STABILIZE BASIN EMBANKMENT BY SEEDING & MULCHING WITH ANCHORED STRAW.
 4. PLACE TWO (2) FEET OF STONE, GRAVEL OR TAMPED EARTH ON RISER BASE PLATE TO PREVENT FLOTATION.
 5. CLEAN BASIN WHEN SEDIMENT HAS ACCUMULATED TO ELEV. SHOWN ON SCHEDULE.

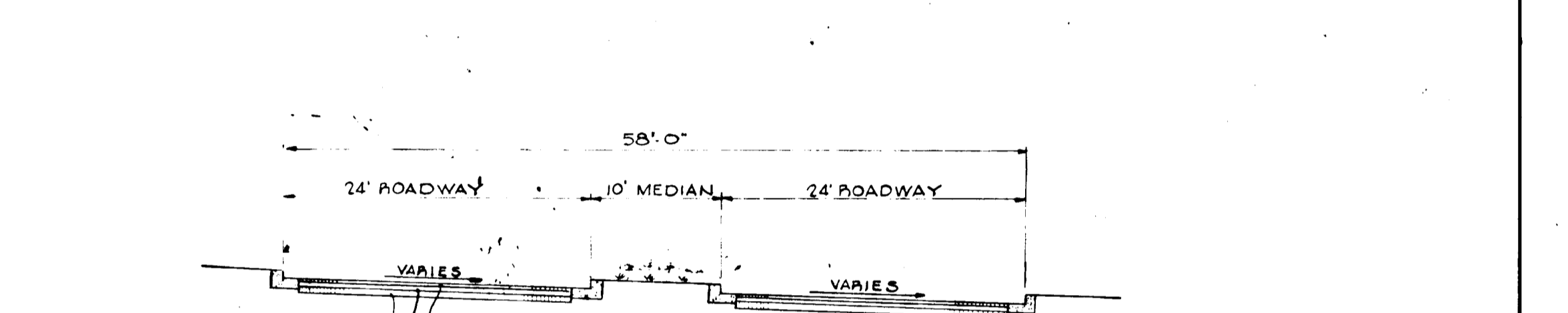
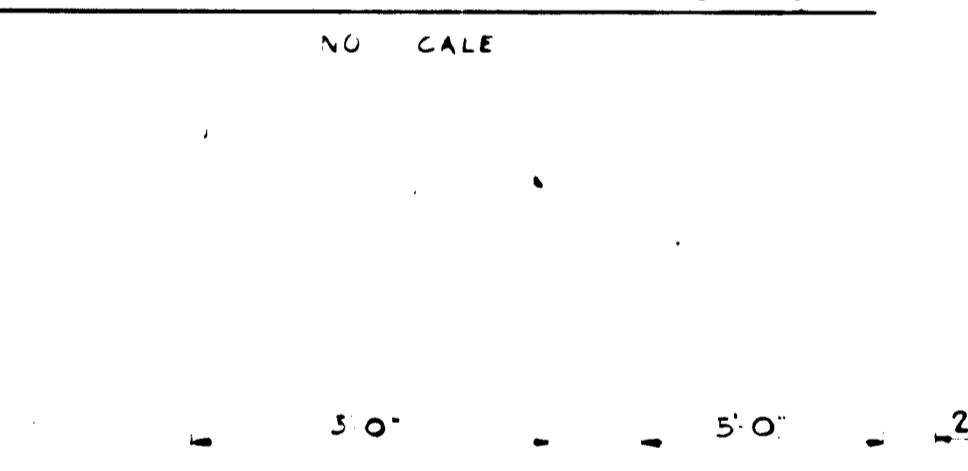


CEDIMENT BASIN DATA

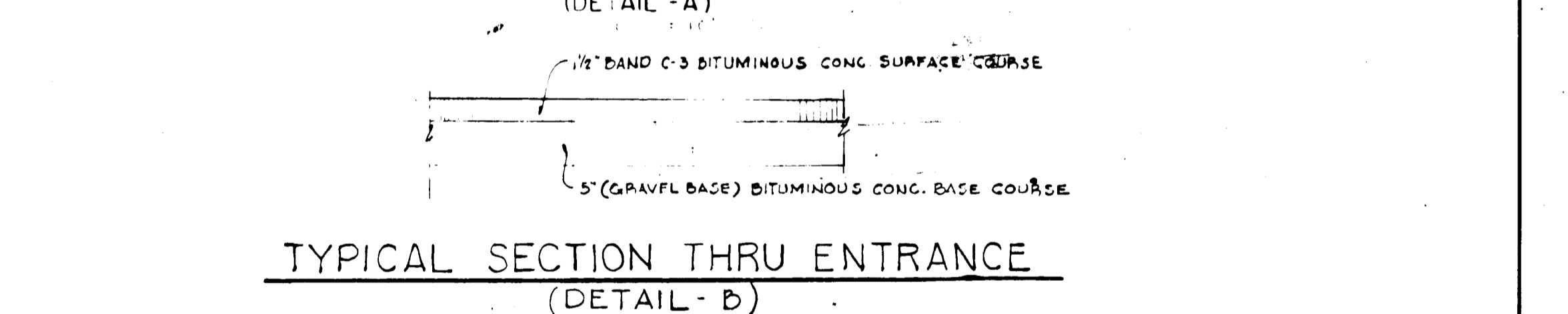
NO.	DESIGN ELEVATIONS					RISER		BARREL		INLET VORTEX #		W. (ft)	
	ICE LAM	RISER CREST	WATER	BASE	OUTLET INV	DIA	LGT	DIA	LGT	LGT	HGT		
1	400.00	327.30	328.00	324.00	321.50	324.55	21"	3.50'	15"	40"	33"	15"	35' 35"
2	410.00	407.20	408.00	402.00	399.50	406.30	21"	5.20'	15"	55"	33"	15"	35' 35"
3	416.00	413.30	414.00	411.00	410.00	412.70	24"	2.30'	18"	50"	36"	18"	4' 4"
4	421.00	428.30	431.00	426.00	421.00	428.60	24"	3.30'	18"	40"	36"	18"	4' 4"



- NOTES:**
1. BASE WILL BE PRIMED IN ACCORDANCE W/ C-30-3 AS PROVIDED IN THE HOWARD CO. ROAD CONSTRUCTION CODE & STANDARD SPECIFICATIONS.
 2. TACK COAT IS REQUIRED IN ACCORDANCE W/ SECTION C-31-4 OF THE HOWARD CO. ROAD CONSTRUCTION CODE & STANDARD SPECIFICATIONS.
 3. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE HOWARD CO. ROAD CONSTRUCTION CODE & STANDARD SPECIFICATIONS.



- NOTES:**
1. BASE WILL BE PRIMED IN ACCORDANCE W/ C-30-3 AS PROVIDED IN THE HOWARD CO. ROAD CONSTRUCTION CODE & STANDARD SPECIFICATIONS.
 2. TACK COAT IS REQUIRED IN ACCORDANCE W/ SECTION C-31-4 OF THE HOWARD CO. ROAD CONSTRUCTION CODE & STANDARD SPECIFICATIONS.
 3. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE HOWARD CO. ROAD CONSTRUCTION CODE & STANDARD SPECIFICATIONS.



- NOTES:**
1. BASE WILL BE PRIMED IN ACCORDANCE W/ C-30-3 AS PROVIDED IN THE HOWARD CO. ROAD CONSTRUCTION CODE & STANDARD SPECIFICATIONS.
 2. TACK COAT IS REQUIRED IN ACCORDANCE W/ SECTION C-31-4 OF THE HOWARD CO. ROAD CONSTRUCTION CODE & STANDARD SPECIFICATIONS.
 3. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE HOWARD CO. ROAD CONSTRUCTION CODE & STANDARD SPECIFICATIONS.

APPROVED FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS; HOWARD COUNTY HEALTH DEPARTMENT

William A. Actin 8/1/73
County Health Officer Date

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING

Thomas L. Harris 8-1-73
Planning Director Date

M. J. ... 8/1/73
Chief, Division of Land Development Date

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

William A. Actin 7/27/73
Director Date

S. M. ... 7/25/73
Chief Bureau of Highways Date

APPROVED PLANNING BOARD OF HOWARD COUNTY

DATE 8/27/73

Thomas L. Harris

VILLAGE OF HARPER'S CHOICE FIFTH ELECTION DISTRICT SECTION 3, AREA 2, LOTS 7 & 9 PLAT BOOK 13, FOLIO 86

ROUSE-WATES INC. COLUMBIA, MD. 21043-301-730-9000
TELEX: ROUSWATE - 87799

PAT & CHIP MAY ARCHITECTS AIA
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STONEYBROOK the village of HARPER'S CHOICE
luxury apartments columbia, maryland

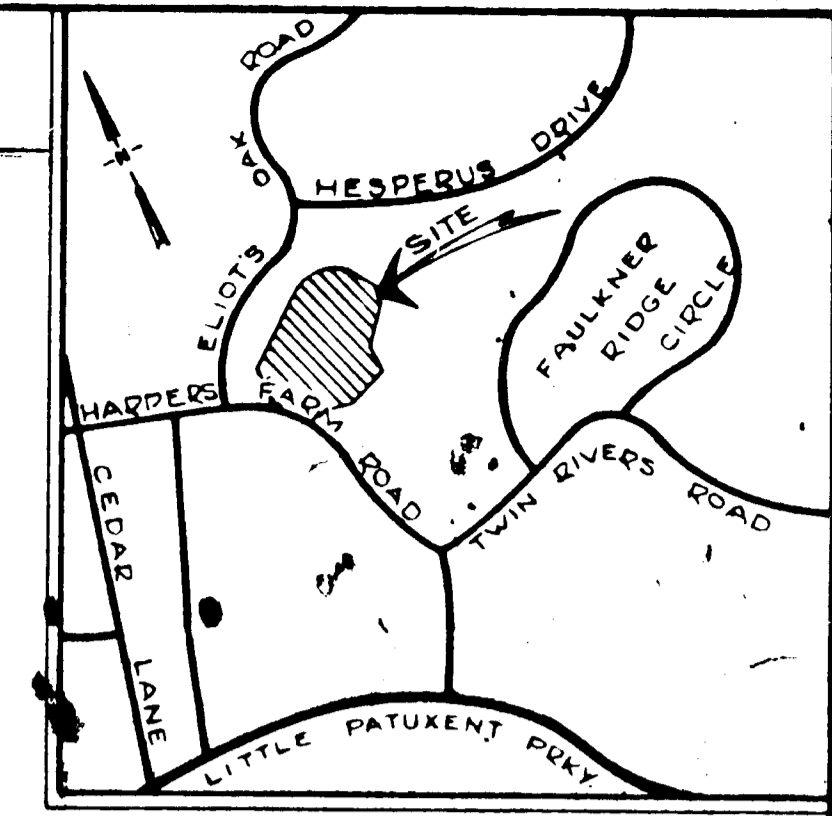
Kamber & Watkins ENGINEERING, CIVIL / STRUCTURAL / ENVIRONMENTAL
2411 BUE RIDGE AVENUE SILVER SPRING, MARYLAND 20902, (301) 946-4545

DATE 11/16/72
DRAWN W.I.S.
CHECKED D.M.K.
SCALE AS NOTED
JOB NO.

MISCELLANEOUS DETAILS

L6
SDP-73-53-C

MATCH LINE C-C SEE SHEET NO. L8 OF L10



APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 William H. White 7/27/73
 DIRECTOR DATE
 J. M. McNeill 7/25/73
 CHIEF, BUREAU OF HIGHWAYS DATE

APPROVED PLANNING BOARD OF HOWARD COUNTY
 DATE 6/27/73
 Village of Harper's Choice
 FIFTH ELECTION DISTRICT
 SECTION 3, AREA 2, LOTS 7 & 9
 PLAT BOOK, 13, FOLIO 86

CERTIFICATION BY THE PROFESSIONAL ENGINEER
 I certify that the Plan of Development and the Plan for Control of Silt and Erosion meet the Requirements, Standards, and Specifications of the Howard Soil Conservation District.
 Signature Date 5/14/73

CERTIFICATION BY THE DEVELOPER
 I certify that all Development and/or Construction will be done according to this Plan of Development and Plan of Silt and Sediment Control.
 Signature Date 7/11/73

HOWARD COUNTY SOIL CONSERVATION DISTRICT
 HOWARD COUNTY SOIL CONSERVATION DISTRICT
 This Development Plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.
 REVIEWED FOR Howard s.c.d.
 Name

AND MEETS TECHNICAL REQUIREMENTS
 Signature Date 7/11/73
 U.S. SOIL CONSERVATION SERVICE
 APPROVED:
 Signature Date 7/11/73
 Howard County Soil Conservation District



- LEGEND**
- 400 --- EXISTING CONTOURS
 - 400 --- PROPOSED CONTOURS
 - --- PROPOSED PAVING
 - --- EXISTING SANITARY
 - --- PROPOSED STORM DRAINS
 - --- PROPOSED CONC. S/DWK.
 - +418.0 --- PROPOSED SPOT EL.
 - --- PROPOSED HOWARD CO. STD. CONC. CURB & GUTTER

- BENCH MARKS**
- B.M.#1 X-CUT ON RIM SAN. M.H. EL. 435.88
 - B.M.#2 3 CUT NAILS SET IN 20" POPLAR EL. 411.70
 - B.M.#3 3 CUT NAILS SET IN 30" POPLAR EL. 401.85
 - B.M.#4 3 CUT NAILS SET IN 18" POPLAR EL. 428.80

ALL BASEMENT ELEVATIONS SHALL BE A MINIMUM OF TWO (2) FEET ABOVE THE 100 YEAR FLOOD PLAIN. NO BUILDING CONSTRUCTION SHALL BE PERMITTED WITHIN THE 100 YEAR FLOOD PLAIN.

ROUSE-WATES INC. COLUMBIA, MD. 21043-301-730-9000
 TELEX: ROUSWATE - 87799
PAT & CHIP MAY ARCHITECTS AIA
 5723 GREENSPRING AVE BALTIMORE MD 21209



STONEBROOK the village of HARPER'S CHOICE
 luxury apartments columbia · maryland
Kamber & Watkins ENGINEERING - CIVIL / STRUCTURAL / ENVIRONMENTAL
 241 BLUEBRIDGE AVENUE, SILVER SPRING, MARYLAND 20902, (301) 946-4545

DATE 5/8/73
 DRAWN W.I.S.
 CHECKED M.K.
 SCALE 1" = 30'
 JOB NO.

SEDIMENT CONTROL PLAN(S)
L7
 SDP-73-53-C

BUILDING SCHEDULE				
BLDG. NO.	1 B.R. APT. AVG. GROSS SF. 1095	2 B.R. APT. AVG. GROSS SF. 1428	3 B.R. APT. AVG. GROSS SF. 1598	TOTAL
1	6	6	6	18
2	12	2	6	20
3	0	12	6	18
4	0	6	6	12
5	0	12	6	18
6	0	6	6	12
7	0	12	6	18
8	0	6	6	12
9	12	6	6	24
10	6	6	6	18
11	6	12	6	24
12	6	6	6	18
13	0	6	6	12
TOTAL	48	114	66	240



- SEEDBED PREPARATION:
1. APPLY 2000#/AC. OF GROUND AGRICULTURAL LIMESTONE
 2. APPLY 1000#/AC. OF 10.10.10 FERTILIZER
- SEEDING:
1. LAWN AREAS
70% KENTUCKY 31 TALL FESCUE
20% KENTUCKY BLUEGRASS 60%/AC
10% ANNUAL RYE GRASS
 2. EMBANKMENT AREAS
KENTUCKY 31 TALL FESCUE 40%/AC
CROWN VETCH, INOCULATED 15%/AC
- MULCH:
- MULCH WITH UNWEATHERED SMALL GRAIN STRAW, AT RATE OF 1 1/2 TO 2 TONS/AC ANCHOR WITH LIQUIB ASPHALT OR A MULCH ANCHORING TOOL.
4. THE HOWARD SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED A MINIMUM OF 24 HOURS IN ADVANCE OF GRADING.
 5. THE PROPOSED STORM DRAINAGE SYSTEM SHALL BE CONSTRUCTED CONCURRENTLY WITH INITIAL GRADING, HOWEVER ALL INLETS ARE TO BE CAPPED. THE STORM DRAINAGE SYSTEM SHALL BE OPERABLE ONLY AFTER TRIBUTARY AREA HAS BEEN STABILIZED AND CEMENT BASIN REMOVED.
 6. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PERIODICALLY MAINTAIN ALL SEDIMENT AND EROSION CONTROL PROVISIONS.
- SCHEDULE OF OPERATIONS
1. STRIP AND STOCKPILE TOPSOIL.
 2. CONSTRUCT SEDIMENT CONTROL PROVISIONS, I.E., SEDIMENT BASIN, DIVERSION BERMS, ETC., AND GRADING SITE.
 3. CONSTRUCT STORM DRAIN SYSTEM AND CAP ALL INLETS.
 4. STABILIZE SITE.
 5. REMOVE SEDIMENT CONTROL PROVISIONS AND UNCAP STORM DRAINAGE INLETS, AFTER PARKING LOTS AND ROADWAYS ARE PAVED AND SITE IS STABILIZED.

SOIL EROSION GENERAL NOTES

1. ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE "STANDARDS & SPECIFICATIONS FOR SOIL EROSION & SEDIMENT CONTROL IN URBANIZING AREAS".
2. THE SEDIMENT BASIN SHOWN SHALL BE CONSTRUCTED PRIOR TO INITIAL GRADING & STABILIZED WITH KENTUCKY 31 TALL FESCUE (60%/AC) THE BASIN SHALL REMAIN IN PLACE UNTIL REMOVAL HAS BEEN APPROVED BY THE HOWARD SOIL CONSERVATION DISTRICT.

SEMI-PERMANENT & PERMANENT SEEDINGS SHALL BE IN ACCORDANCE WITH SECTION 3.100 OF THE ABOVE SPECIFICATIONS & AS FOLLOWS:

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Director William A. Allen 7/2/73
DATE
Chief, Bureau of Highways G. W. McLeod 7/25/73
DATE

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 6/27/73
[Signature]

VILLAGE OF HARPER'S CHOICE
FIFTH ELECTION DISTRICT
SECTION 3, AREA 2, LOTS 7 & 9
PLAT BOOK 13, FOLIO 86

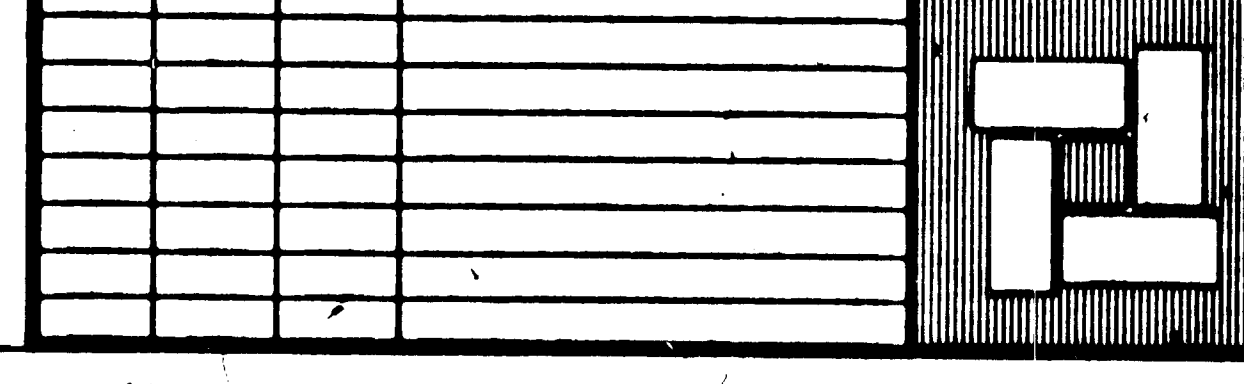
CERTIFICATION BY THE PROFESSIONAL ENGINEER
I Certify that the Plan of Development and the Plan for Control of Silt and Erosion meets the Requirements, Standards and Specifications of the Howard Soil Conservation District.
[Signature] 5/11/73
Date

CERTIFICATION BY THE DEVELOPER
I Certify that all Development and/or Construction will be done according to this Plan of Development and Plan of Silt and Sediment Control.
[Signature] 7/1/73
Date

HOWARD COUNTY SOIL CONSERVATION DISTRICT
This Development Plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.
REVIEWED FOR Howard S.C.D.
Name

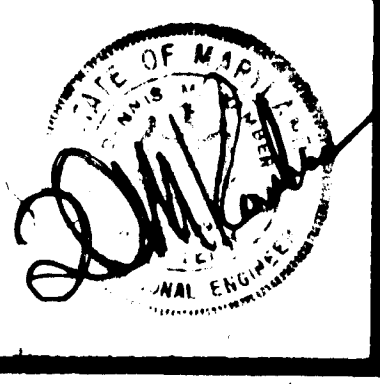
AND MEETS TECHNICAL REQUIREMENTS
Charles E. Kelly 7/11/73
Signature Date

U.S. SOIL CONSERVATION SERVICE
APPROVED:
Robert W. Ziehm 7/11/73
Howard County Soil Conservation District Date



ROUSE-WATES INC. COLUMBIA, MD. 21043 301-730-9000
TELEX: ROUSWATE - 87799

PAT & CHIP MAY ARCHITECTS AIA
5723 GREENSPRING AVE BALTIMORE MD 21209



STONEYBROOK the village of HARPER'S CHOICE
luxury apartments columbia maryland

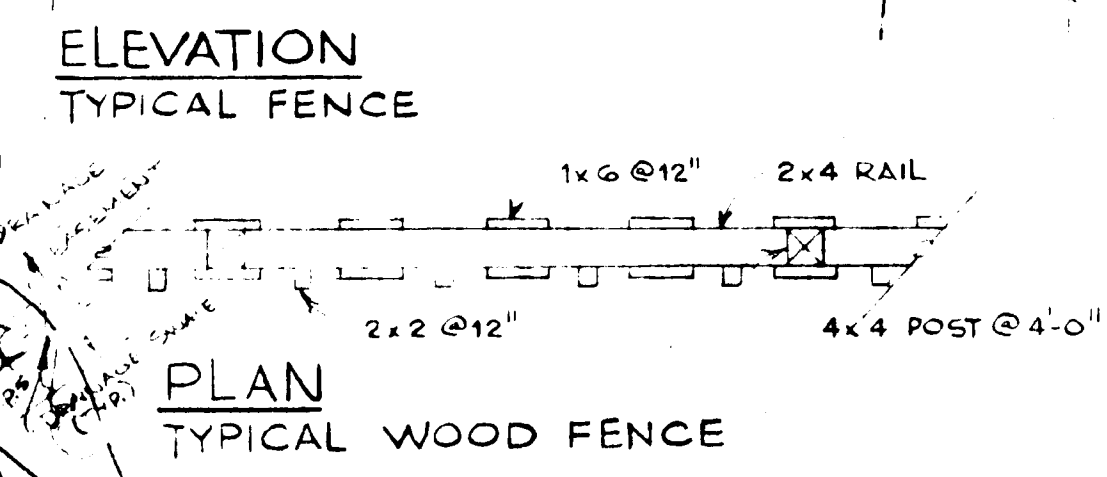
Kamber & Watkins
ENGINEERING, ARCHITECTURE, STRUCTURAL, ENVIRONMENTAL
111 BLUE RIDGE AVENUE
SILVER SPRING, MARYLAND 20902 (301) 941-4444

DATE: 5/8/73
DRAWN: W.I.S.
CHECKED: D.M.K.
SCALE: 1" = 30'
JOB NO.

SEDIMENT CONTROL PLAN(N)
L8
SDP73-536

BUILDING SCHEDULE				
NO.	1 BR APT	2 BR APT	3 BR APT	TOTAL
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
TOTAL				

ALL BASEMENT FINISHING SHALL BE A MINIMUM OF 4" ABOVE FINISH FLOOR LEVEL. NO BULLHEAD CONNECTIONS SHALL BE PERMITTED AT THE YEAR FLOOR LEVEL.



- SITE ANALYSIS**
- ZONING: 477MENTS
 - AREA OF SITE = 763,606.83 s.f. = 17,520 ACRES
 - BUILDING COVERAGE = 113,873 s.f.
 - PERCENT COVERAGE = 14.72
 - NO. OF UNITS ALLOWED = 262
 - NO. OF UNITS PROVIDED = 240
 - MINIMUM PARKING SPACES REQ'D = 360
 - PARKING SPACES PROVIDED = 361
- GENERAL NOTES**
- TOPOGRAPHIC SURVEY PREPARED BY PURDUM AND JESCHKE, DATED 4/29/71
 - CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 48 HOURS PRIOR TO CONSTRUCTION
 - ALL STORM DRAINAGE WORK SHALL BE DONE IN ACCORDANCE WITH THE DETAILS AND REQUIREMENTS OF THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATIONS
 - SEE SEDIMENT CONTROL DRAWINGS L-7 and L-8 PRIOR TO CONSTRUCTION

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 6/27/73
J. D. ...

VILLAGE OF HARPER'S CHOICE
FIFTH ELECTION DISTRICT
SECTION 3, AREA 2, LOTS 7 & 9
PLAT BOOK, 13, FOLIO 86

APPROVED FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
County Health Officer 8/1/73

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING.
Planning Director 8-1-73
Chief, Division of Land Development 8/1/73

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS & ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
Director 7/27/73
Chief of Bureau of Highways 7/17/73

ROUSE-WATES INC. COLUMBIA, MD. 21043-301-730-9000
TELEX: ROUSWATE - 87799

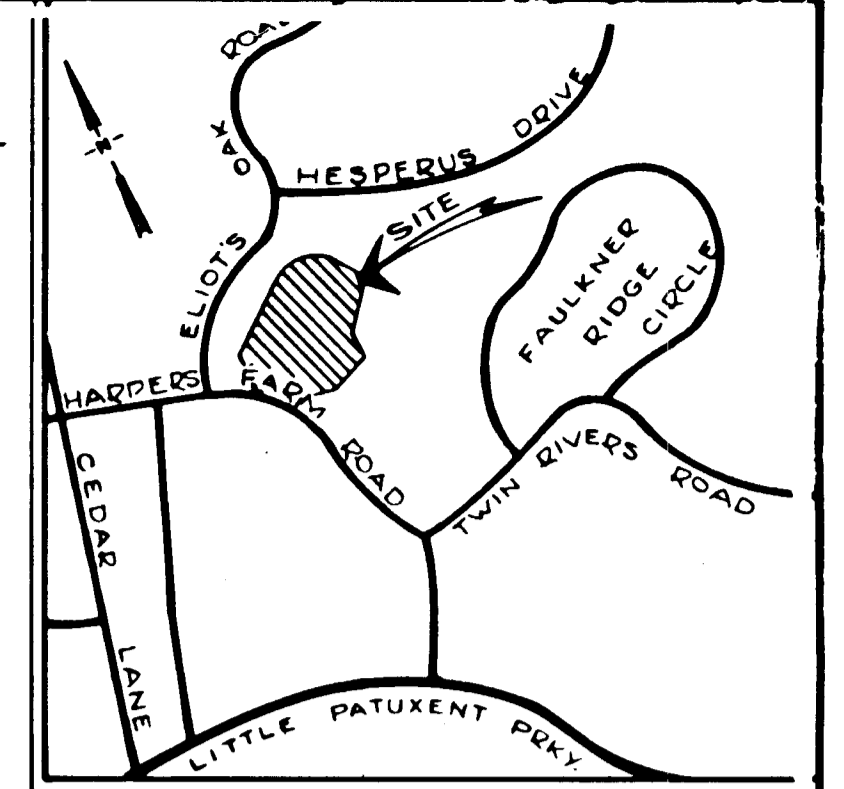
PAT & CHIP MAY ARCHITECTS AIA
5723 GREENSPRING AVE BALTIMORE MD 21209

STONEBROOK the village of HARPER'S CHOICE
luxury apartments columbia · maryland

Kamber & Watkins ENGINEERING - CIVIL / STRUCTURAL / ENVIRONMENTAL
2411 BLUERIDGE AVENUE, SILVER SPRING, MARYLAND 20902, (301) 946-4545

DATE 5/8/73
DRAWN W.I.S.
CHECKED D.M.K.
SCALE 1" = 30'
JOB NO.

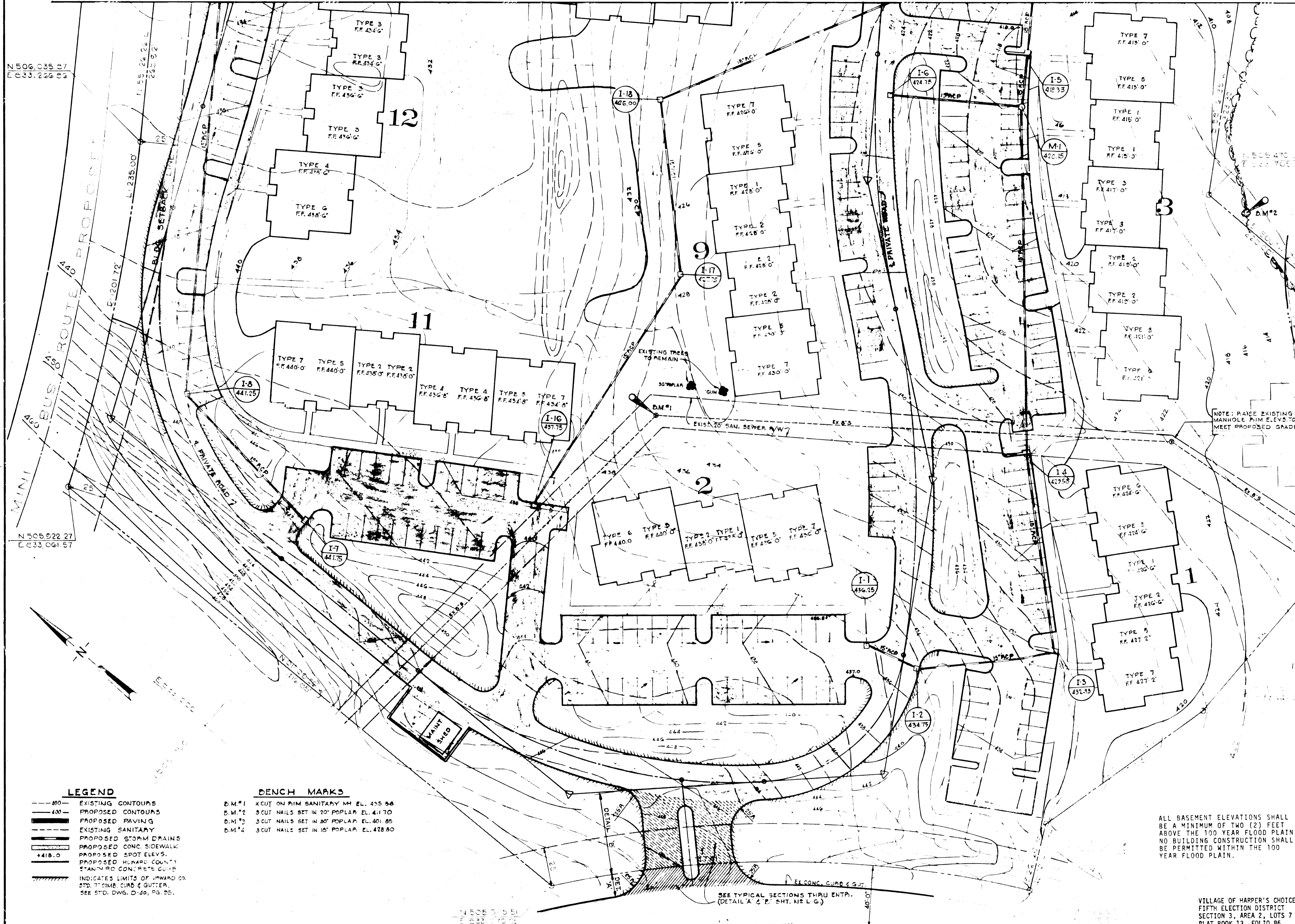
DRAINAGE AREA MAP-NORTH.
L 10
SDP-73-53-C



PROPERTY OF
HOWARD RESEARCH AND
DEVELOPMENT CORPORATION

N 506.035 27
E 633.226 24

N 505.922 27
E 633.061 57



NOTE: PLACE EXISTING
MANHOLE PIM ELEV. TO
MEET PROPOSED GRADE

APPROVED
DATE 3/7/73
Thomas J. Harris

APPROVED FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
John Deagan MD 3/20/73
County Health Officer Date

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Thomas J. Harris 3-22-73
Planning Director Date

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS & ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
William A. White 3/15/73
Director Date
W. J. ... 3-14-73
Chief Bureau of Highways Date

ALL BASEMENT ELEVATIONS SHALL BE A MINIMUM OF TWO (2) FEET ABOVE THE 100 YEAR FLOOD PLAIN. NO BUILDING CONSTRUCTION SHALL BE PERMITTED WITHIN THE 100 YEAR FLOOD PLAIN.

VILLAGE OF HARPER'S CHOICE
FIFTH ELECTION DISTRICT
SECTION 3, AREA 2, LOTS 7 & 9
PLAT BOOK 13, FOLIO 86

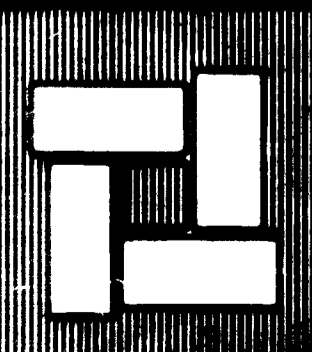
- LEGEND**
- 800 --- EXISTING CONTOURS
 - 400 --- PROPOSED CONTOURS
 - PROPOSED PAVING
 - EXISTING SANITARY
 - PROPOSED STORM DRAINS
 - PROPOSED CONC. SIDEWALK
 - +418.0 PROPOSED SPOT ELEV.
 - PROPOSED HOWARD COUNTY STANDARD CONCRETE CURB
 - INDICATES LIMITS OF HOWARD CO. STD. CONC. CURB & GUTTER. SEE STD. DWG. D-40, PG. 25.

- BENCH MARKS**
- B.M.#1 3 CUT NAILS SET IN 20" POPLAR EL. 435.56
 - B.M.#2 3 CUT NAILS SET IN 20" POPLAR EL. 411.70
 - B.M.#3 3 CUT NAILS SET IN 20" POPLAR EL. 401.85
 - B.M.#4 3 CUT NAILS SET IN 18" POPLAR EL. 428.60

SEE TYPICAL SECTIONS THRU ENTP. (DETAIL 'A' & 'B' SHT. N° L.G.)

(PUBLIC ROAD)

1	1/10/73	J.M.D.	GRADING & PARKING AREA



ROUSE-WATES INC. COLUMBIA, MD. 21043-301-730-9000
TELE: ROUSWATE - 87799

PAT & CHIP MAY ARCHITECTS AIA
5723 GREENSPRING AVE BALTIMORE MD 21209

STONEYBROOK the village of HARPER'S CHOICE
luxury apartments COLUMBIA, MARYLAND

Kamber & Watkins
ENGINEERING - CIVIL / STRUCTURAL / ENVIRONMENTAL
2411 BLUERIDGE AVENUE, SILVER SPRING, MARYLAND 20902, (301) 946-4545

DATE 11/16/72
DRAWN J.M.D.
CHECKED D.M.K.
SCALE 1"=30'
JOB NO.

GRADING SITE PLAN-SOUTH
L1

E 633.750
N 506.500

N 506.157 62
E 634.740 92

ALL BASEMENT ELEVATIONS SHALL BE A MINIMUM OF TWO (2) FEET ABOVE THE 100 YEAR FLOOD PLAIN. NO BUILDING CONSTRUCTION SHALL BE PERMITTED WITHIN THE 100 YEAR FLOOD PLAIN.

BUILDING SCHEDULE				
NO.	1 D.P. APT. AVG. GRASS S.F. 100'S	2 D.P. APT. AVG. GRASS S.F. 140'S	3 D.P. APT. AVG. GRASS S.F. 190'S	TOTAL
1	6	6	6	18
2	6	6	6	18
3	12	12	6	30
4	0	12	6	18
5	0	6	6	12
6	0	12	6	18
7	0	12	6	18
8	12	6	6	24
9	0	12	6	18
10	0	12	6	24
11	0	18	6	24
12	0	18	6	24
TOTAL	48	132	72	152

- GENERAL NOTES
- TOPOGRAPHIC SURVEY PREPARED BY PURDUM AND JESCHKE, DATED 4/29/71.
 - CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 48 HOURS PRIOR TO CONSTRUCTION.
 - ALL STORM DRAINAGE WORK SHALL BE DONE IN ACCORDANCE WITH THE DETAILS AND REQUIREMENTS OF THE HOWARD COUNTY "ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATIONS". SEE SEDIMENT CONTROL DRAWINGS L-7 AND L-8 PRIOR TO CONSTRUCTION.

SITE ANALYSIS

ZONING: APARTMENTS
 AREA OF SITE = 763,606.80 s.f.
 AREA OF SITE = 17.530 ACRES
 BUILDING COVERAGE = 119,565 s.f.
 PERCENT COVERAGE = 15.66
 NO. OF UNITS ALLOWED = 262
 NO. OF UNITS PROVIDED = 252
 MINIMUM PARKING SPACES REQ'D. = 378
 PARKING SPACES PROVIDED = 380

ALL BASEMENT ELEVATIONS SHALL BE A MINIMUM OF TWO (2) FEET ABOVE THE 100 YEAR FLOOD PLAIN. NO BUILDING CONSTRUCTION SHALL BE PERMITTED WITHIN THE 100 YEAR FLOOD PLAIN.

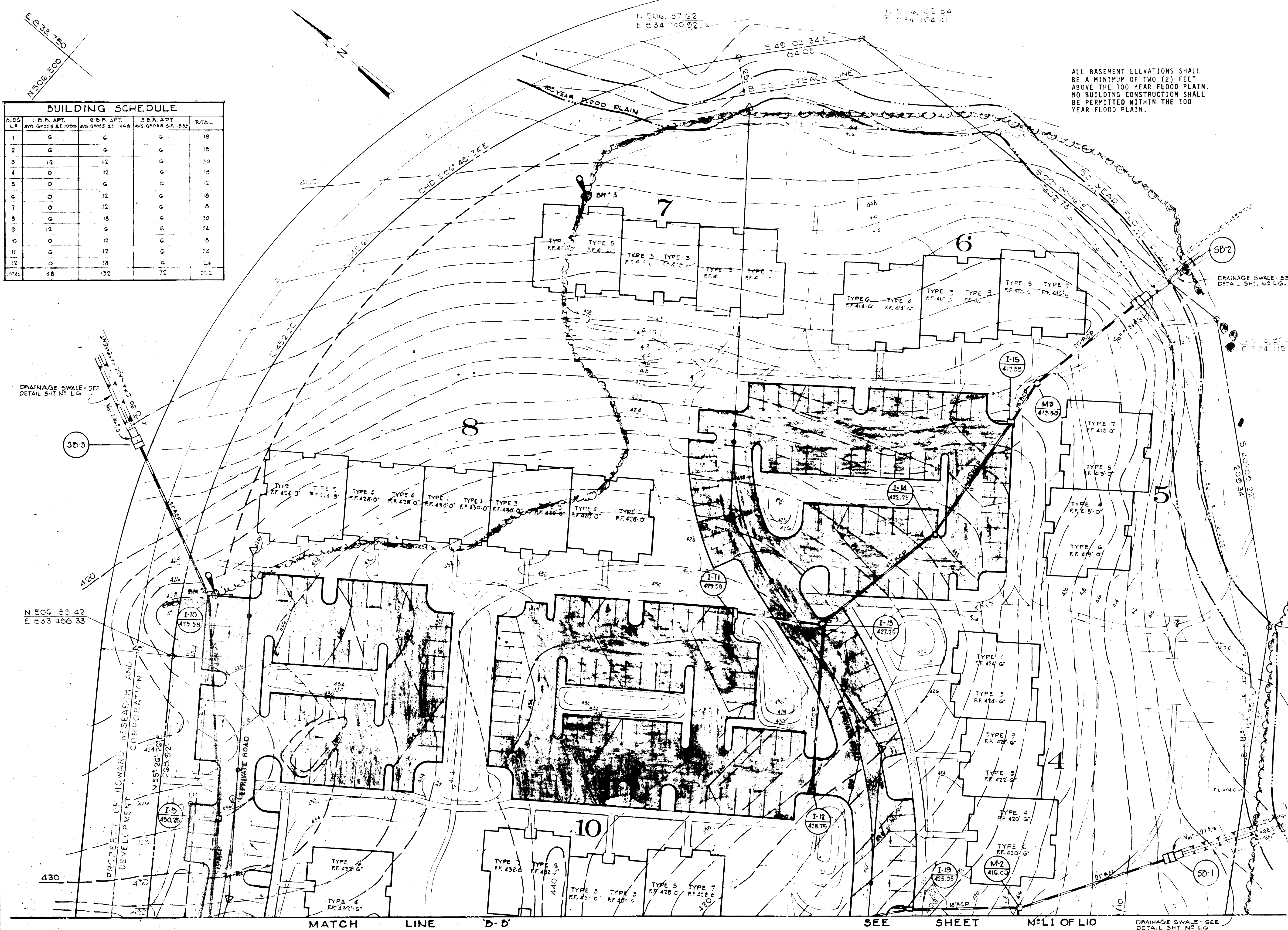
VILLAGE OF HARPER'S CHOICE
 FIFTH ELECTION DISTRICT
 SECTION 3, AREA 2, LOTS 7 & 9
 PLAT BOOK 13, PLOTT 06

APPROVED FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
G. B. ... M.D. 3/20/73
 County Health Officer Date

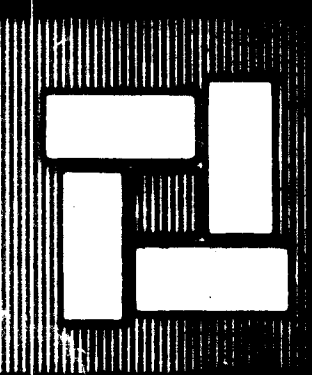
APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Thomas ... 3-22-73
 Planning Director Date

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS & ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
William ... 3-27-73
 Director Date

... 3-17-73
 Chief Bureau of Highways Date



NO.	DATE	BY	DESCRIPTION
1	1/18/73	J.M.D.	GRADING & PARKING AREA



ROUSE-WATES INC. COLUMBIA, MD. 21043-301-730-9000
 TELEX: ROUSWATE - 87799

PAT & CHIP MAY ARCHITECTS AIA
 5723 GREENSPRING AVE BALTIMORE MD 21209

STONEBROOK the village of HARPER'S CHOICE
 luxury apartments columbia · maryland

Kamber & Watkins ENGINEERING - CIVIL / STRUCTURAL / ENVIRONMENTAL
 2411 BLUERIDGE AVENUE, SILVER SPRING, MARYLAND 20902. (301) 946 4545

DATE 11/10/72
 DRAWN J.M.D.
 CHECKED D.M.K.
 SCALE 1"=50'
 JOB NO.

GRADING SITE PLAN-NORTH

L2

SDP 13-53C

N506,035.87
E 833,266.86

N505,470.00
E 833,705.00

PROPERTY OF
HOWARD RESEARCH AND
DEVELOPMENT CORPORATION

N 505,250.00
E 833,705.00

APPROVED
PLANNING BOARD
OF HOWARD COUNTY
DATE 3/1/73
James A. Harris

VILLAGE OF HARPER'S CHOICE
FIFTH ELECTION DISTRICT
SECTION 3, AREA 2, LOTS 7 & 9
PLAT BOOK 13, FOLIO 86

APPROVED FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
James A. Harris 3/20/73
County Health Officer

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
James A. Harris 3-22-73
Planning Director

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS & ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
William A. Anton 3/15/73
Director
W. O. Feltner 3-14-73
Chief Bureau of Highways

N505,917.77
E 833,061.57

N505,250.00
E 833,441.08

N 505,281.56
E 833,313.44

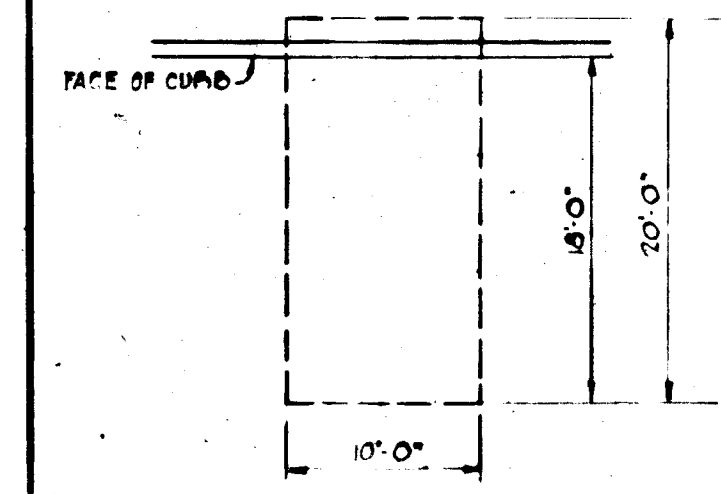
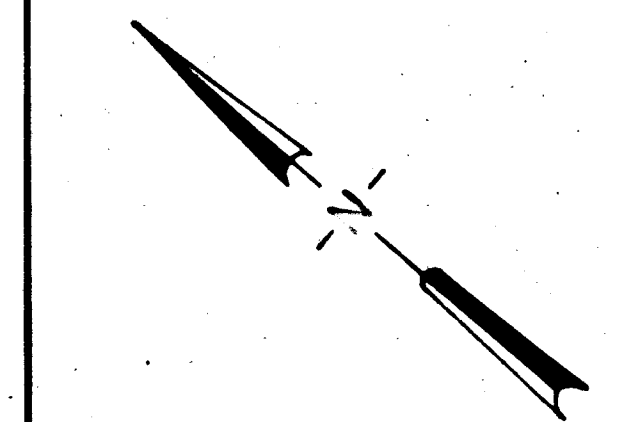
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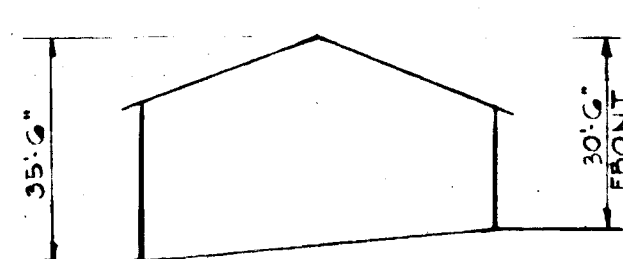
HARPERS FARM ROAD

MINI BUS ROUTE PROPOSED

ADULT RECREATION FACILITY



TYPICAL PARKING SPACE
SCALE: 1"=10'



BUILDING PROFILE
SCALE: 1"=30'

NO.	DATE	BY	DESCRIPTION
1	1/18/73	J.M.O.	PARKING AREAS

ROUSE-WATES INC. COLUMBIA, MD. 21043 · 301-730-9000
TELEX: ROUSWATE - 87799

PAT & CHIP MAY ARCHITECTS AIA
5723 GREENSPRING AVE BALTIMORE MD 21209



STONEYBROOK the village of
luxury apartments HARPER'S CHOICE
columbia · maryland

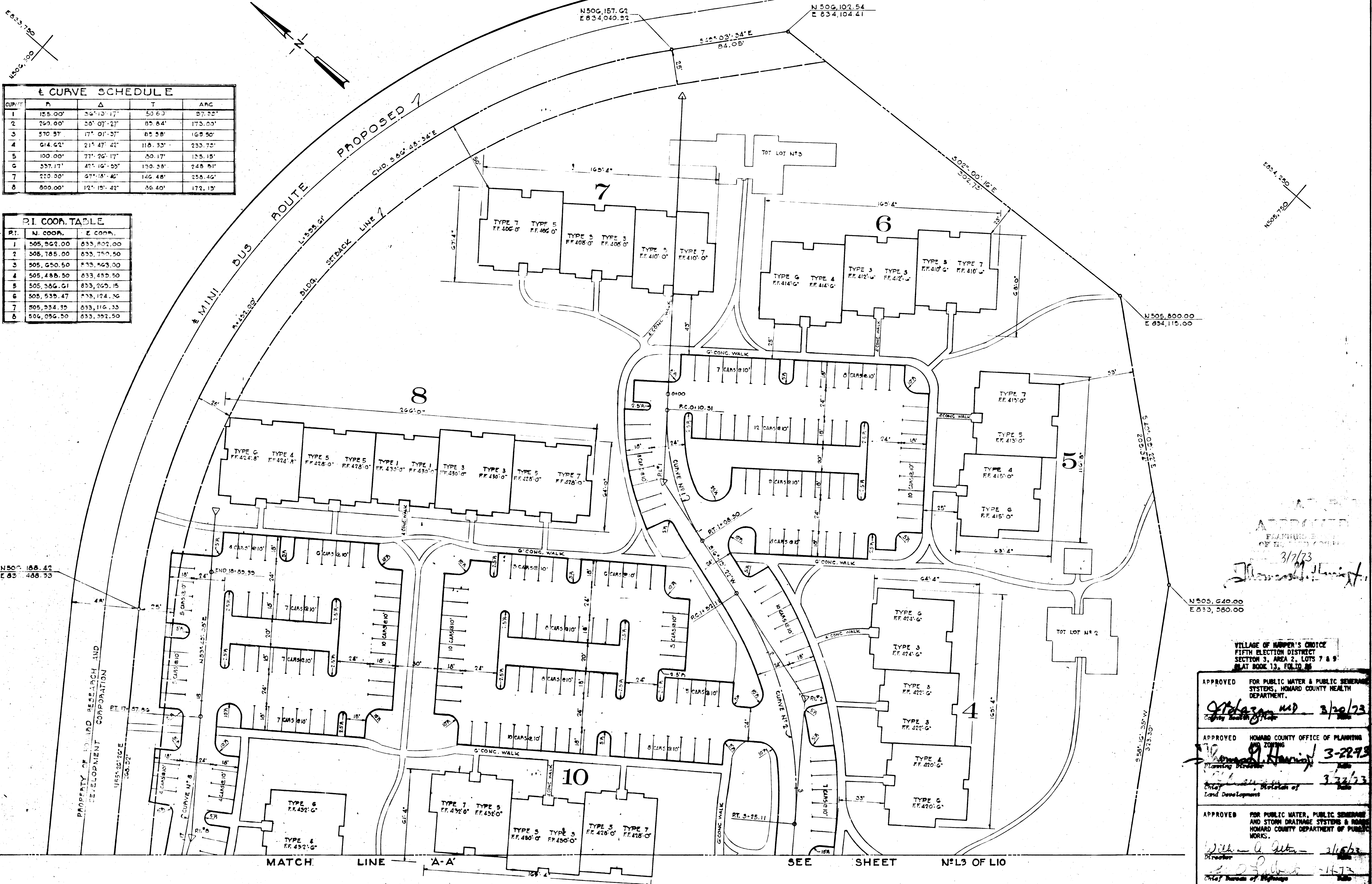
Kamber & Watkins ENGINEERING - CIVIL / STRUCTURAL / ENVIRONMENTAL
2411 BLUERIDGE AVENUE,
SILVER SPRING, MARYLAND 20902. (301) 946-4545

DATE 11/10/72
DRAWN J.M.O.
CHECKED D.M.K.
SCALE 1"=30'
JOB NO.

GEOMETRIC SITE
PLAN - SOUTH
L3
e. Research/SDP 73-536

CURVE	R	Δ	T	ARC
1	155.00'	36°13'17"	50.63'	27.22'
2	249.00'	36°07'27"	85.84'	173.00'
3	570.57'	17°01'57"	85.58'	169.50'
4	614.62'	21°47'42"	110.33'	233.75'
5	100.00'	77°26'17"	50.17'	125.15'
6	337.17'	47°10'53"	130.38'	248.51'
7	220.00'	67°18'46"	146.48'	258.46'
8	800.00'	12°15'41"	86.40'	172.13'

P.I.	N. COOR.	E. COOR.
1	505,962.00	833,802.00
2	505,785.00	833,750.50
3	505,650.50	833,463.00
4	505,488.50	833,455.50
5	505,366.61	833,265.15
6	505,539.47	833,124.36
7	505,934.35	833,116.33
8	506,056.50	833,392.50



APPROVED
 3/17/73
[Signature]

VILLAGE OF HARPER'S CHOICE
 FIFTH ELECTION DISTRICT
 SECTION 3, AREA 2, LOTS 7 & 9
 PLAT BOOK 13, FOLIO 26

APPROVED FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
[Signature] 3/20/73
 County Health Officer

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
[Signature] 3-22-73
 Planning Director

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS & ROADWORKS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
[Signature] 3/22/73
 Director

NO.	DATE	BY	DESCRIPTION
1	1/16/73	J.M.D.	PARKING AREAS

ROUSE-WATES INC. COLUMBIA, MD. 21043-301-730-9000
 TELEX: ROUSWATE - 87799

PAT & CHIP MAY ARCHITECTS AIA
 5723 GREENSPRING AVE BALTIMORE MD 21209

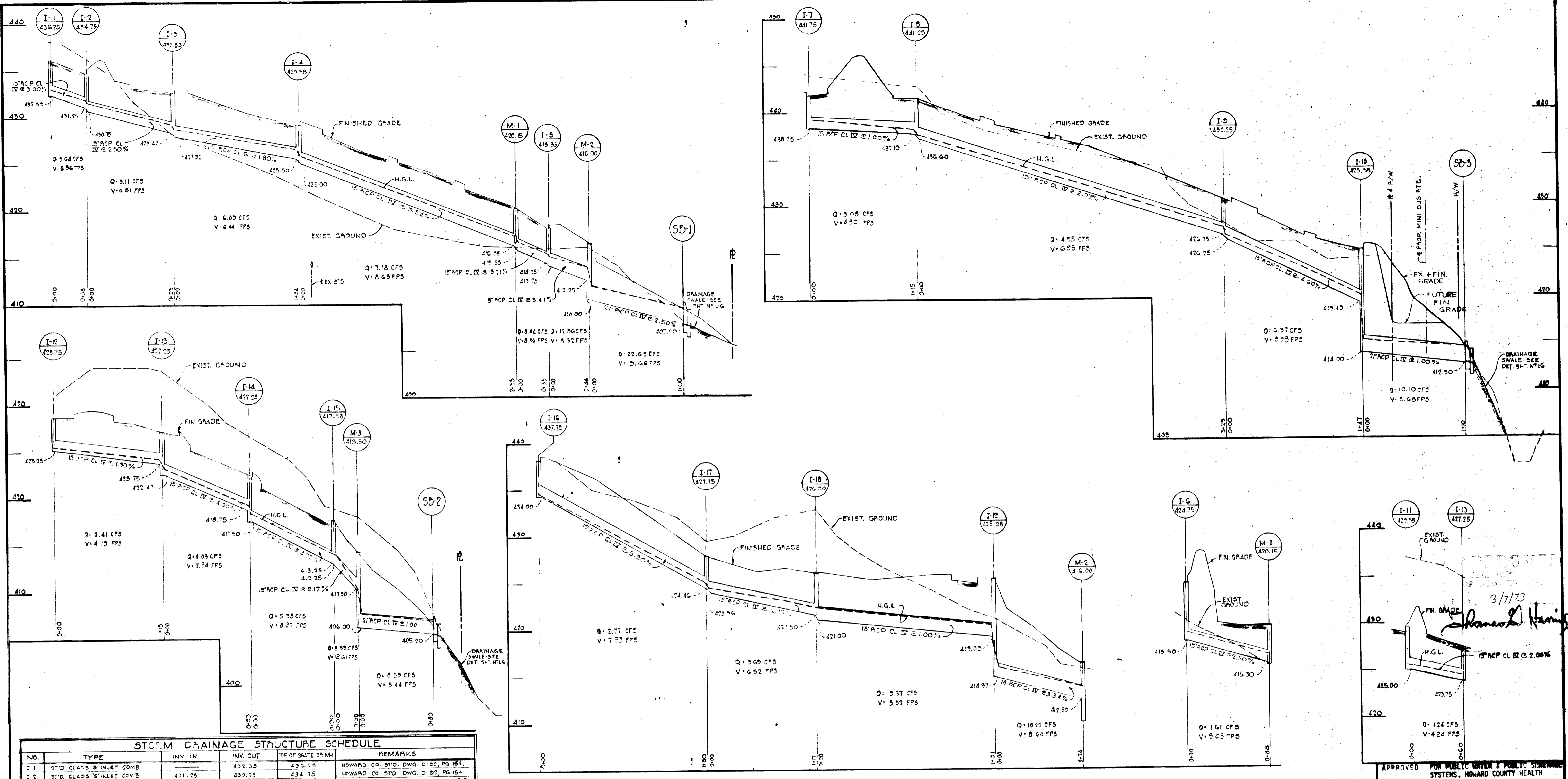
STONEYBROOK the village of HARPER'S CHOICE
 luxury apartments columbia · maryland

Kamber & Watkins
 ENGINEERING - CIVIL / STRUCTURAL / ENVIRONMENTAL
 2411 BLUERIDGE AVENUE, SILVER SPRING, MARYLAND 20902, (301) 946-4545

DATE 11/10/72
 DRAWN J.M.D.
 CHECKED D.M.K.
 SCALE 1" = 30'
 JOB NO.

GEOMETRIC SITE PLAN-NORTH

L4
[Signature] SDP 7353



STORM DRAIN PROFILES
SCALE: 1" = 50' HORIZ.
1" = 5' VERT.

STORM DRAINAGE STRUCTURE SCHEDULE				
NO.	TYPE	INV. IN	INV. OUT	REMARKS
I-1	STD. CLASS 'B' INLET COMB	436.75	432.33	HOWARD CO. STD. DWG. D-39 PG. 154
I-2	STD. CLASS 'B' INLET COMB	434.75	430.35	HOWARD CO. STD. DWG. D-39 PG. 154
I-3	STD. CLASS 'B' INLET	428.83	424.43	HOWARD CO. STD. DWG. G-4-B PG. 115-B
I-4	STD. CLASS 'B' INLET	425.50	421.10	HOWARD CO. STD. DWG. G-4-B PG. 115-B
I-5	STD. CLASS 'B' INLET	418.33	413.93	HOWARD CO. STD. DWG. G-4-B PG. 115-B
I-6	STD. CLASS 'B' INLET COMB	418.50	414.10	HOWARD CO. STD. DWG. D-39 PG. 154
I-7	STD. CLASS 'B' INLET COMB	438.25	433.85	
I-8	STD. CLASS 'B' INLET COMB	437.10	432.70	HOWARD CO. STD. DWG. D-39 PG. 154
I-9	STD. CLASS 'B' INLET COMB	426.75	422.35	HOWARD CO. STD. DWG. G-4-B PG. 115-B
I-10	STD. CLASS 'B' INLET	414.25	410.85	HOWARD CO. STD. DWG. G-4-B PG. 115-B
I-11	STD. CLASS 'B' INLET COMB	425.00	420.60	HOWARD CO. STD. DWG. D-39 PG. 154
I-12		425.25	420.85	
I-13		422.47	418.07	
I-14		417.50	413.10	
I-15		413.75	409.35	
I-16	STD. CLASS 'B' INLET COMB	437.75	433.35	HOWARD CO. STD. DWG. D-39 PG. 154
I-17	STD. CLASS 'B' DOUBLE GRATE	424.46	420.06	HOWARD CO. STD. DWG. C-02 PG. 131
I-18	STD. CLASS 'B' DOUBLE GRATE	421.50	417.10	HOWARD CO. STD. DWG. C-02 PG. 131
I-19	STD. CLASS 'B' INLET	414.00	409.60	HOWARD CO. STD. DWG. G-4-B PG. 115-B
M-1	STD. MANHOLE	416.05	411.65	HOWARD CO. STD. DWG. D-103 PG. 158
M-2	STD. MANHOLE	412.25	407.85	HOWARD CO. STD. DWG. D-104 PG. 159
M-3	STD. MANHOLE	410.00	405.60	HOWARD CO. STD. DWG. D-104 PG. 159
SB-1	STILLING BASIN	408.00		SEE DETAIL SHT. NO. L.G.
SB-2	STILLING BASIN	406.00		SEE DETAIL SHT. NO. L.G.
SB-3	STILLING BASIN	402.00		SEE DETAIL SHT. NO. L.G.

APPROVED FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
[Signature] 3/7/73

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
[Signature] 3-22-73
Planning Director Date

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS & ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
[Signature] 1/15/73
Director Date

VILLAGE OF HARPER'S CHOICE
FIFTH ELECTION DISTRICT
SECTION 3, AREA 2, LOTS 7 & 9
PLAT BOOK 13, FOLIO 86

1	1/18/73	J.M.D.	DATE

ROUSE-WATES INC. COLUMBIA, MD. 21043-301-730-9000
TELE: ROUSWATE - 87799

PAT & CHIP MAY ARCHITECTS AIA
5723 GREENSPRING AVE BALTIMORE MD 21209

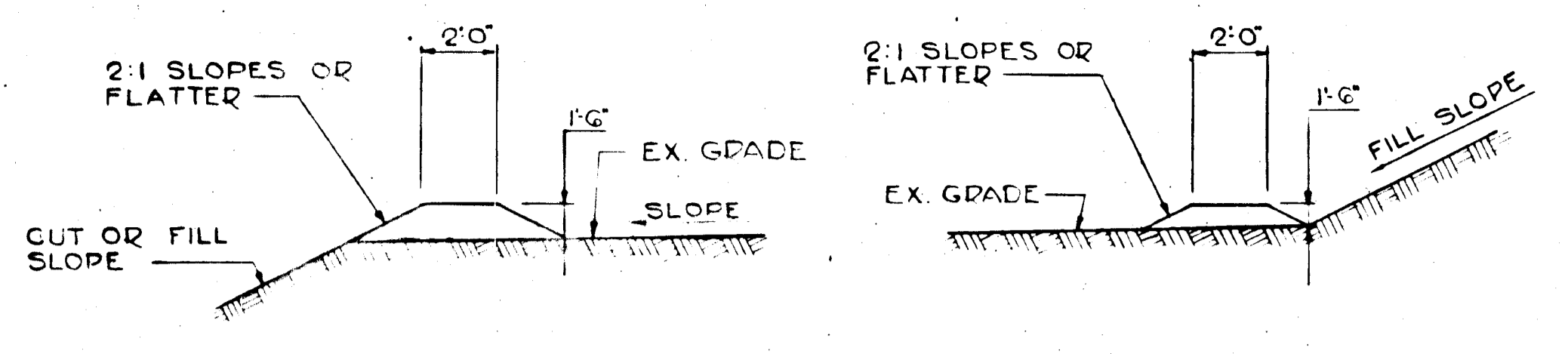
STONEBROOK the village of HARPER'S CHOICE
luxury apartments columbia, maryland

Kamber & Watkins ENGINEERING - CIVIL / STRUCTURAL / ENVIRONMENTAL
2411 BLUERIDGE AVENUE, SILVER SPRING, MARYLAND 20902, (301) 946-4545

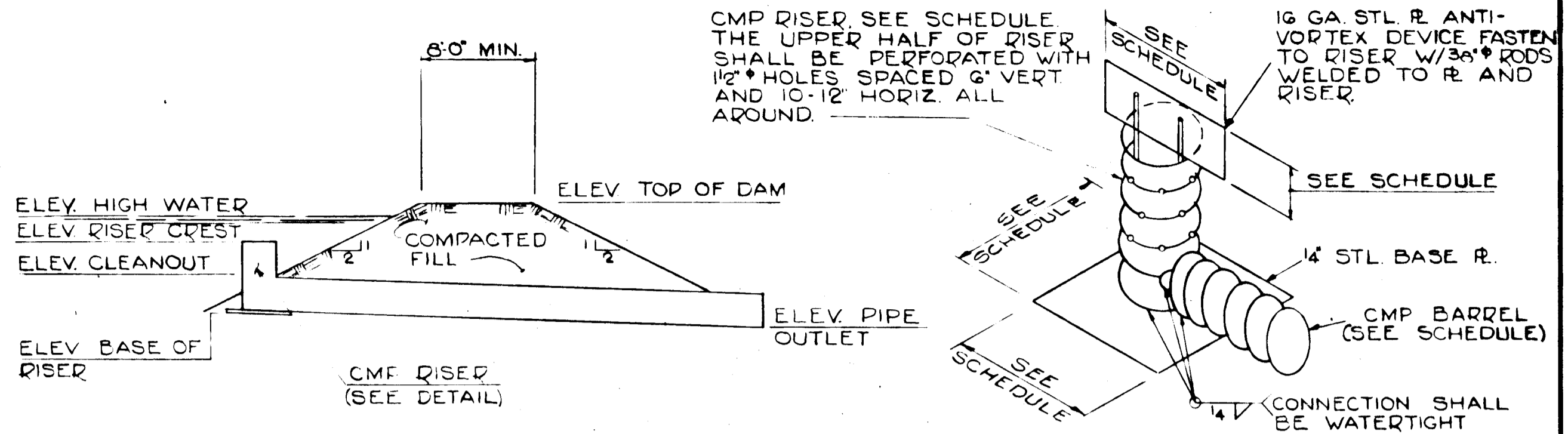
DATE 11/16/72
DRAWN J.M.D.
CHECKED D.M.K.
SCALE AS NOTED
JOB NO.

STORM DRAIN PROFILES

L5

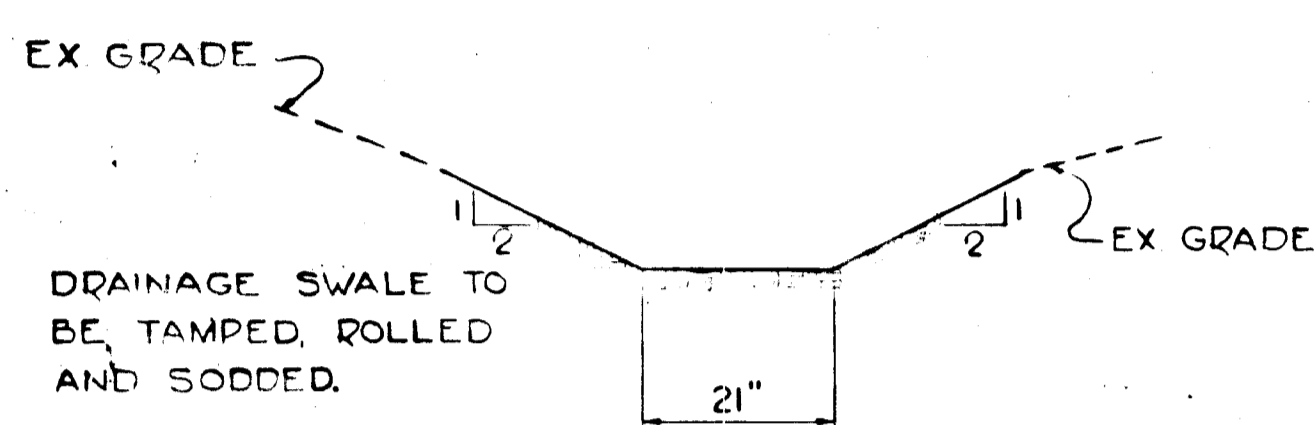


DIVERSION BERM SECTIONS
NOT TO SCALE

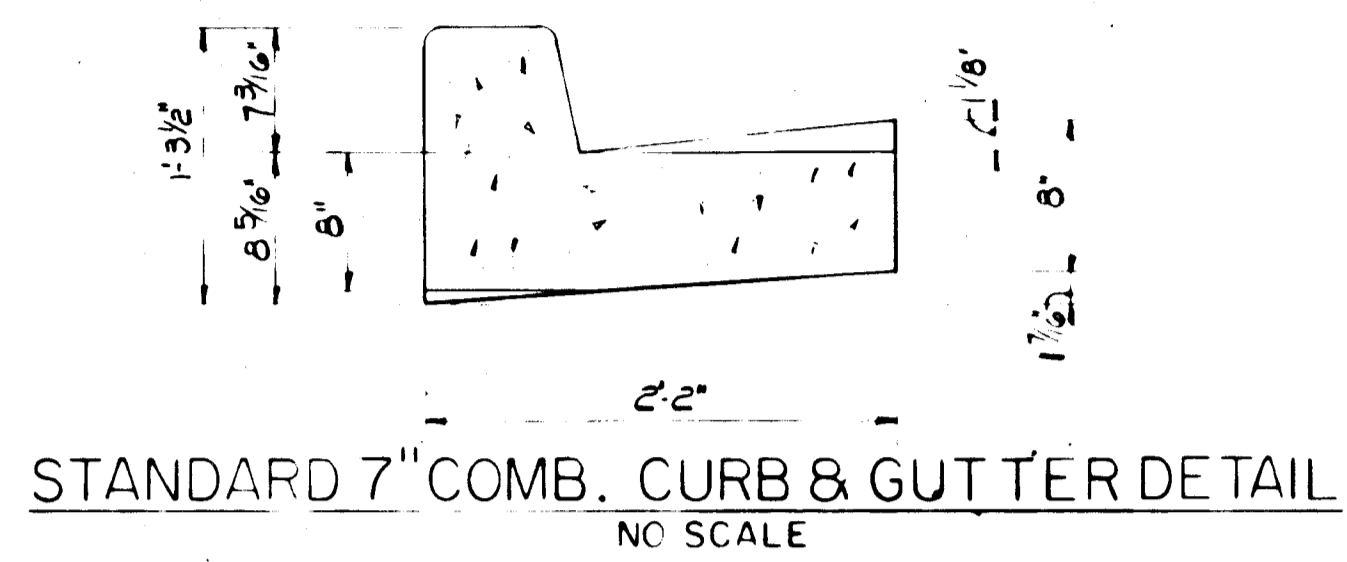


TYPICAL DAM SECTION
NOT TO SCALE

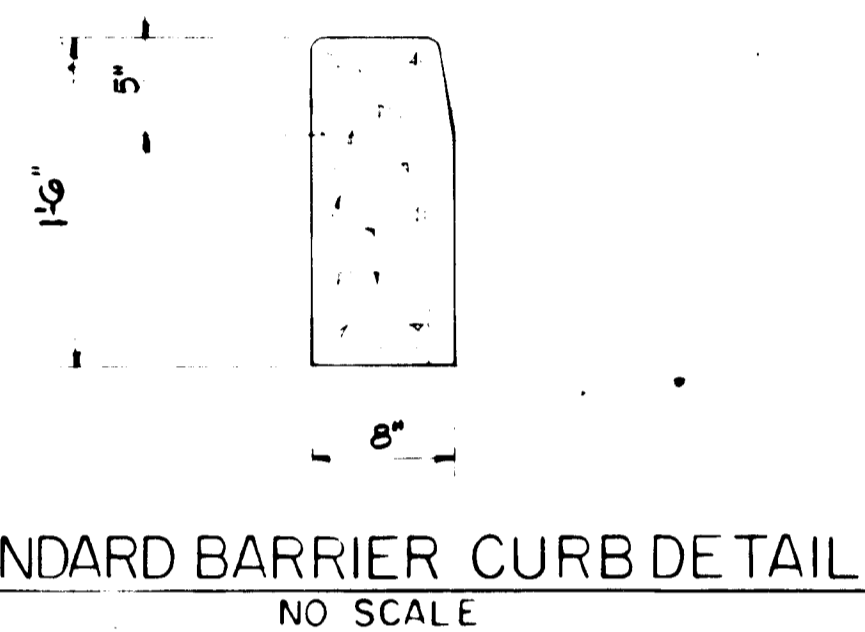
RISER DETAIL
NOT TO SCALE



DRAINAGE SWALE
NOT TO SCALE



STANDARD 7" COMB. CURB & GUTTER DETAIL
NO SCALE

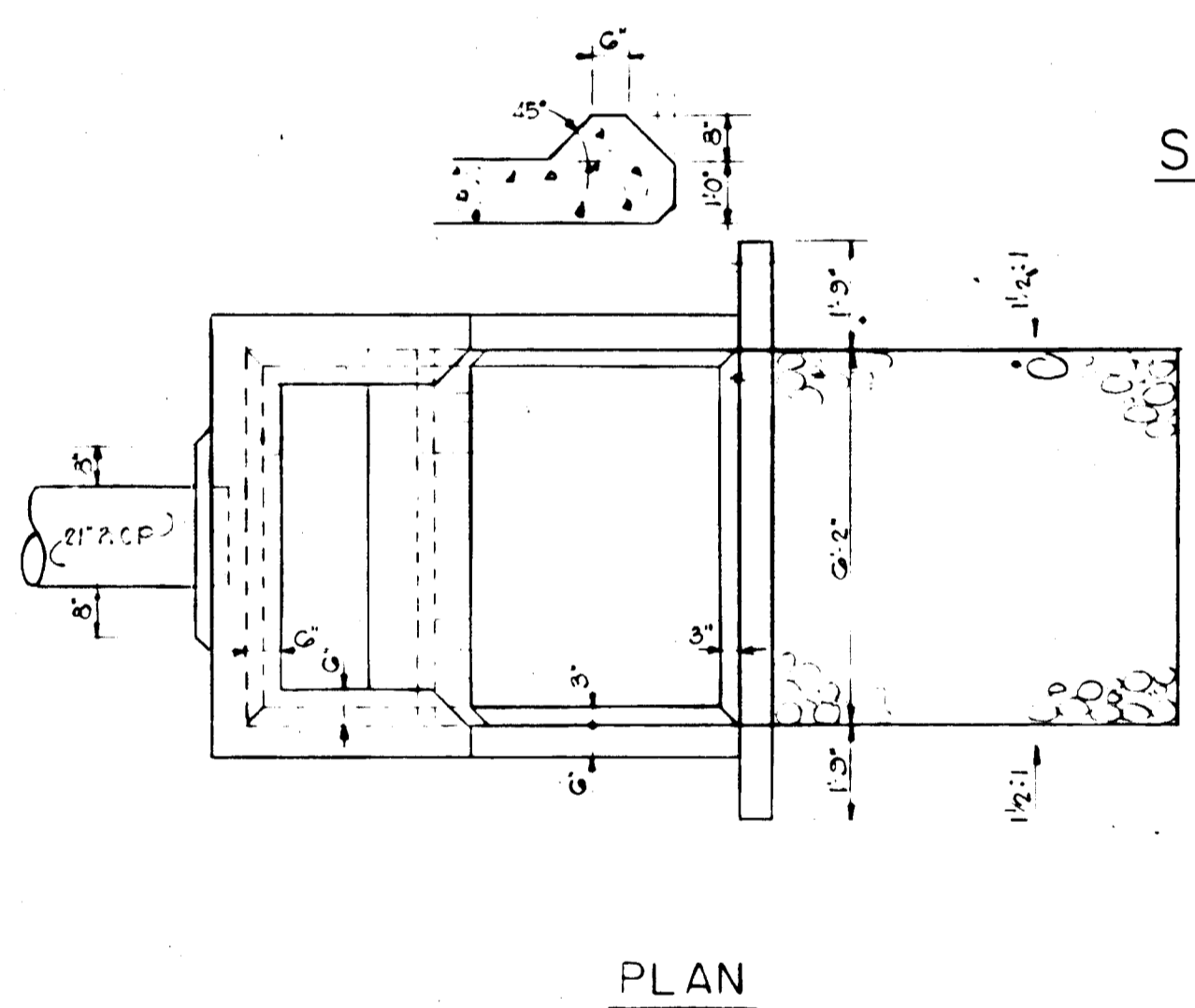


STANDARD BARRIER CURB DETAIL
NO SCALE

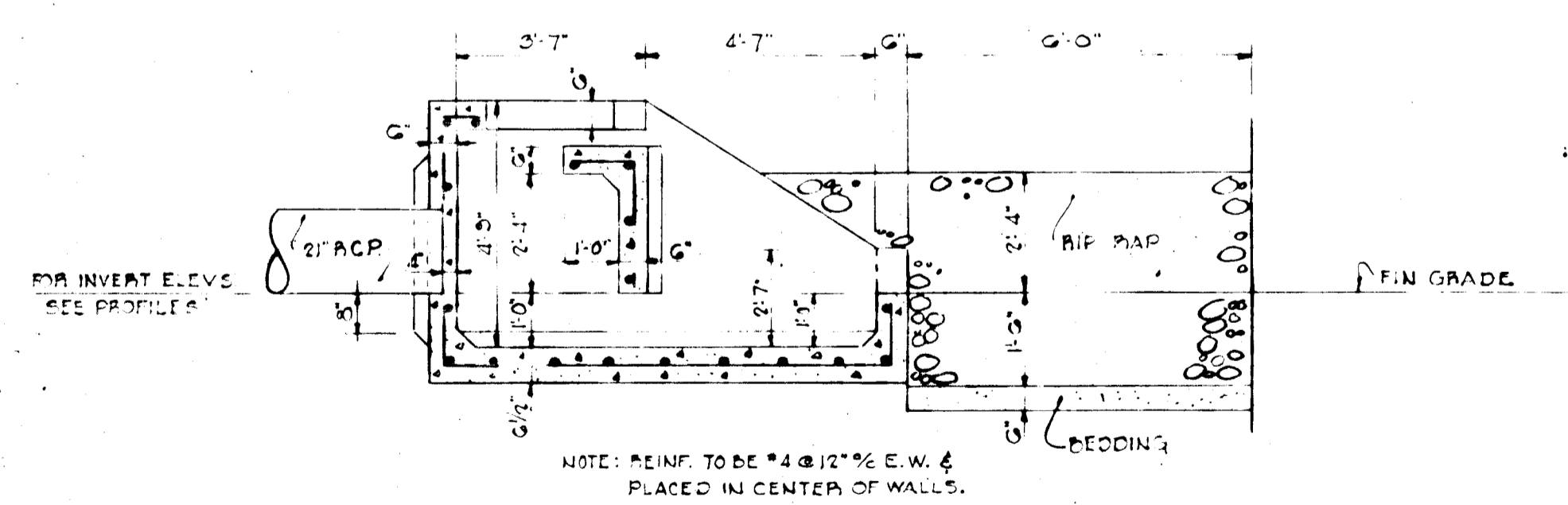
- SEDIMENT BASIN NOTES**
1. LEVEL THE BED FOR THE PIPE SPILLWAY TO PROVIDE UNIFORM SUPPORT THROUGHOUT ITS ENTIRE LENGTH UNDER THE DAM.
 2. HAND TAMP FILL UNDER SHOULDERS & AROUND THE PIPE TO A HEIGHT OF TWO (2) FEET OVER THE PIPE. THE REMAINING FILL SHALL BE MACHINE COMPACTED IN NOT MORE THAN 6" LIFTS.
 3. STABILIZE BASIN EMBANKMENT BY SEEDING & MULCHING WITH ANCHORED STRAW.
 4. PLACE TWO (2) FEET OF STONE, GRAVEL OR TAMPED EARTH ON RISER BASE PLATE TO PREVENT FLOTATION.
 5. CLEAN BASIN WHEN SEDIMENT HAS ACCUMULATED TO ELEV. SHOWN ON SCHEDULE.

SEDIMENT BASIN DATA

BASIN NO	DESIGN ELEVATIONS						RISER		BARREL		ANTE VORTEX R.		W. OF D.
	TOP DAM	RISER CREST	HIGH WATER	BASE RISER	OUTLET INV	CLEANOUT	DIA	LGT	DIA	LGT	LGT	HGT	
1	400.00	397.30	398.00	394.00	391.50	396.55	21"	3.30'	15"	40'	33"	15"	35'x35'
2	410.00	407.20	408.00	402.00	399.50	406.30	21"	5.20'	15"	55'	33"	15"	35'x35'
3	416.00	413.30	414.00	411.00	410.00	412.70	24"	2.30'	18"	50'	36"	18"	4'x4'
4	430.00	427.30	428.00	424.00	423.00	426.60	24"	3.30'	18"	40'	36"	18"	4'x4'

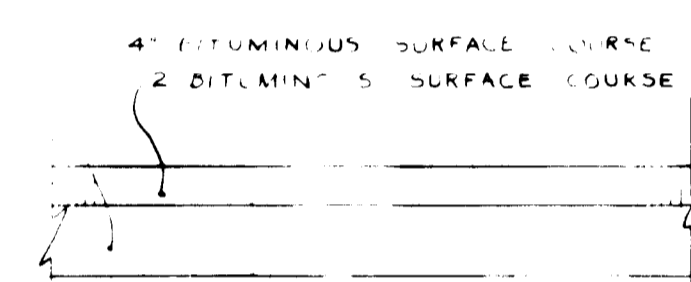


PLAN



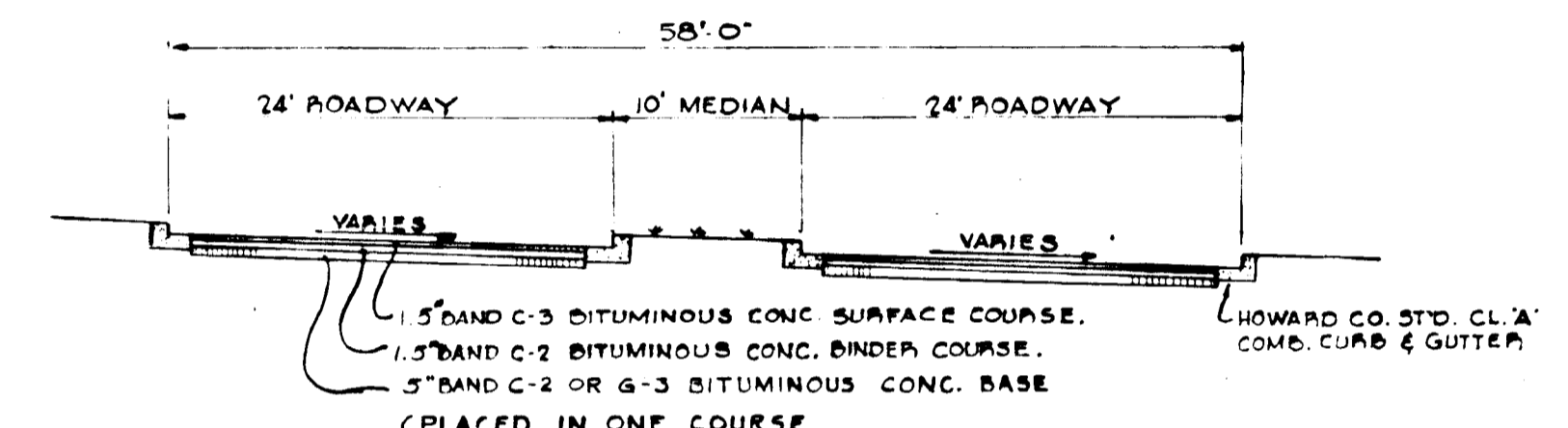
SECTION "A-A"

IMPACT-TYPE STILLING BASIN
SCALE: 3/8" = 1'-0"

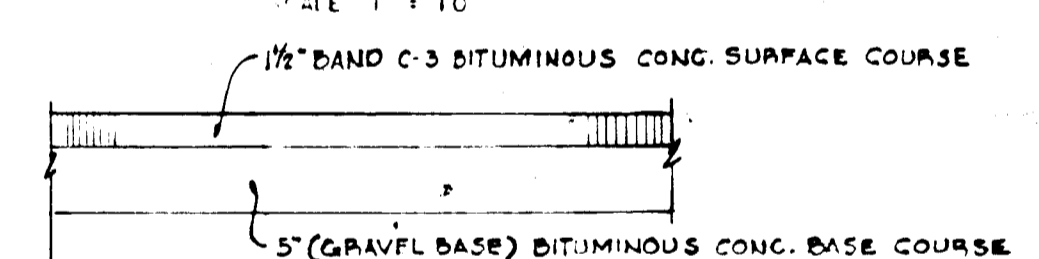


- NOTES:**
1. BASE WILL BE PRIMED IN ACCORDANCE W/ C-30-3 AS PROVIDED IN THE HOWARD CO. ROAD CONSTRUCTION CODE & STANDARD SPECIFICATIONS.
 2. TACK COAT IS REQUIRED IN ACCORDANCE W/ SECTION C-31-4 OF THE HOWARD CO. ROAD CONSTRUCTION CODE & STANDARD SPECIFICATIONS.
 3. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE HOWARD CO. ROAD CONSTRUCTION CODE & STANDARD SPECIFICATIONS.

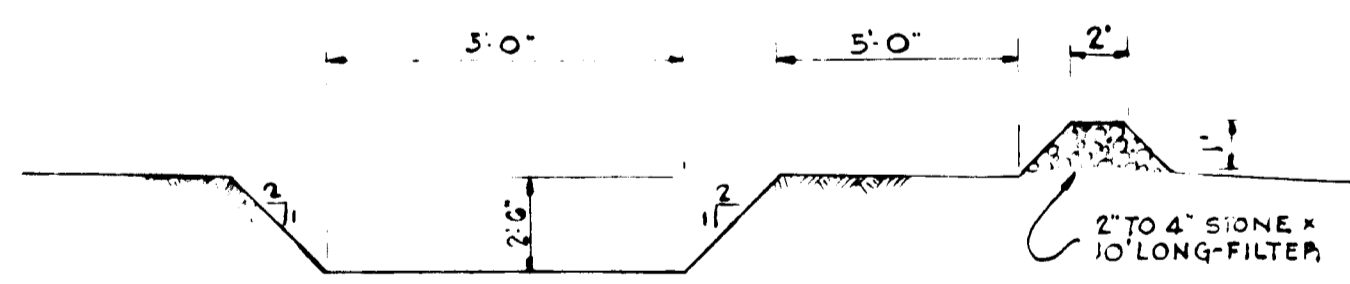
TYPICAL PAVING SECTION
NO SCALE



TYPICAL SECTION THRU ENTRANCE (DETAIL - A)
SCALE: 1" = 10'



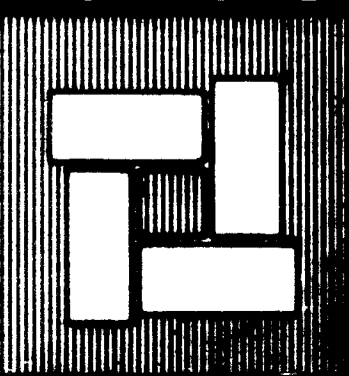
TYPICAL SECTION THRU ENTRANCE (DETAIL - B)
NO SCALE



SILT TRAP DETAIL
NOT TO SCALE

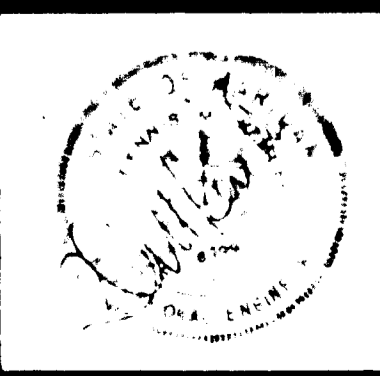
- NOTES:**
1. BASE WILL BE PRIMED IN ACCORDANCE W/ C-30-3 AS PROVIDED IN THE HOWARD CO. ROAD CONSTRUCTION CODE & STANDARD SPECIFICATIONS.
 2. TACK COAT IS REQUIRED IN ACCORDANCE W/ SECTION C-31-4 OF THE HOWARD CO. ROAD CONSTRUCTION CODE & STANDARD SPECIFICATIONS.
 3. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE HOWARD CO. ROAD CONSTRUCTION CODE & STANDARD SPECIFICATIONS.

1	12/19/72	J.M.D.	SILT TRAP DETAIL
2	1/16/73	J.M.D.	CHANNEL & PAVING SECTIONS



ROUSE-WATES INC. COLUMBIA, MD. 21043-301-730-9000
TELEX: ROUSWATE - 87799

PAT & CHIPMAY ARCHITECTS AIA
5723 GREENSPRING AVE BALTIMORE MD 21209



STONEYBROOK the village of HARPER'S CHOICE
luxury apartments columbia · maryland

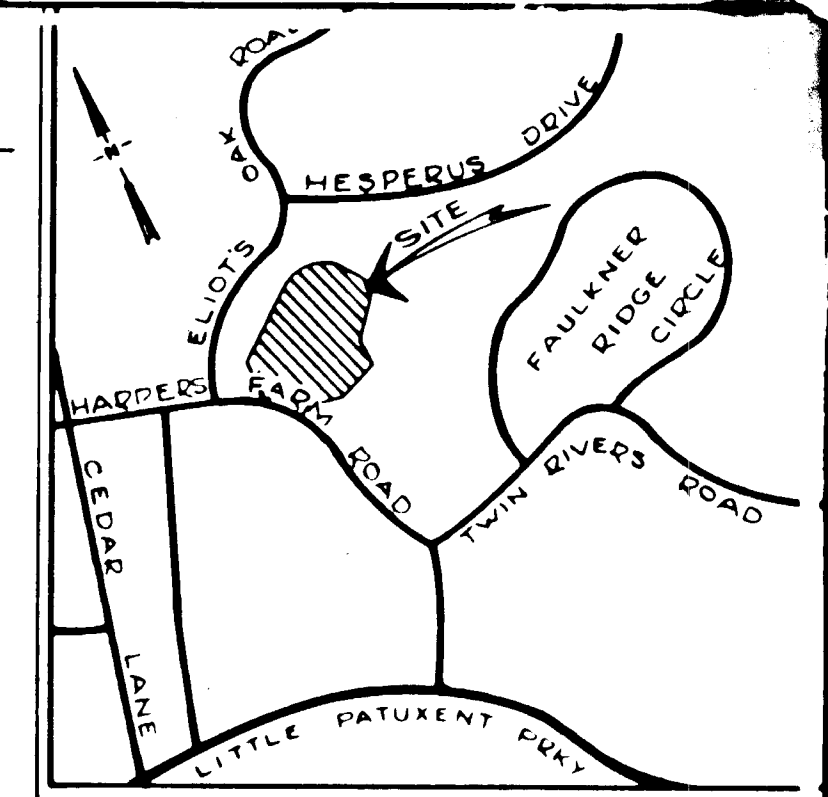
Kamber & Watkins
ENGINEERING - CIVIL / STRUCTURAL / ENVIRONMENTAL
2411 BLUERIDGE AVENUE, SILVER SPRING, MARYLAND 20902. (301) 946-4545

DATE	11/10/72
DRAWN	W.I.S.
CHECKED	D.M.K.
SCALE	AS NOTED
JOB NO.	

MISCELLANEOUS DETAILS

L6
SDP 13-53C

VILLAGE OF HARPER'S CHOICE
FIFTH ELECTION DISTRICT
SECTION 3, AREA 2, LOTS 7 & 9
PLAT BOOK 13, FOLIO 86



VICINITY MAP SCALE 1"=1300'

PROPERTY OF HOWARD RESEARCH AND DEVELOPMENT CORPORATION

APPROVED

DATE 3/7/73

STATE OF MARYLAND
 COUNTY OF HARPER'S CHOICE
 SECTION 31, AREA 3, LOTS 7 & 9
 PLAT BOOK 13, PAGE 96

DATE 11/16/12
 DRAWN J.M.D.
 CHECKED D.M.K.
 SCALE 1"=30'
 JOB NO.

REVIEWED FOR... AND MEETS TECHNICAL REQUIREMENTS... AS SOIL CONSERVATION SERVICE.

SEDIMENT CONTROL PLAN-(S)

L7

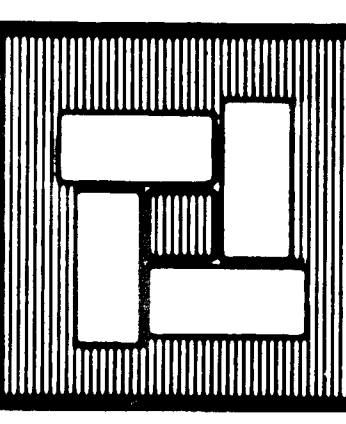
50273-532



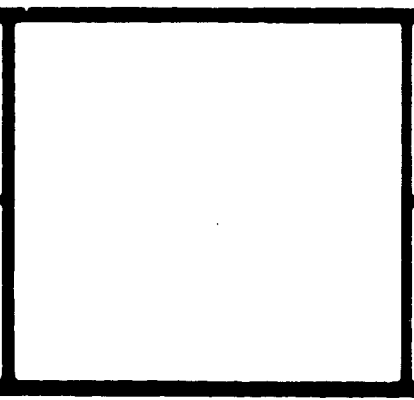
LEGEND
 --- 400' EXISTING CONTOURS
 --- 420' PROPOSED CONTOURS
 --- PROPOSED PAVING
 --- EXISTING SANITARY
 --- PROPOSED STORM DRAINS
 --- PROPOSED CONC SIDEWALK
 --- 418.0 PROPOSED SPOT ELEV.

BENCH MARKS
 B.M.#1 401' ON PHM SANITARY RM ELEV. 417.48'
 B.M.#2 30" NAIL SET IN CONCRETE ELEV. 417.00'
 B.M.#3 20" NAIL SET IN CONCRETE ELEV. 417.00'
 B.M.#4 30" NAIL SET IN CONCRETE ELEV. 417.00'

NO.	DATE	DESCRIPTION



ROUSE-WATES INC. COLUMBIA, MD. 21043 301-730-9000
 TELEX: ROUSWATE - 87799
PAT & CHIP MAY ARCHITECTS AIA
 5723 GREENSPRING AVE BALTIMORE MD 21209



STONEYBROOK the village of HARPER'S CHOICE
 luxury apartments columbia maryland
 Kamber & Watkins

DATE 11/16/12
 DRAWN J.M.D.
 CHECKED D.M.K.
 SCALE 1"=30'
 JOB NO.

SEDIMENT CONTROL PLAN-(S)
 L7

17

SOIL EROSION GENERAL NOTES

- ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE "STANDARDS & SPECIFICATIONS FOR SOIL EROSION & SEDIMENT CONTROL IN URBANIZING AREAS."
- THE SEDIMENT BASIN SHOWN SHALL BE CONSTRUCTED PRIOR TO INITIAL GRADING & STABILIZED WITH KENTUCKY 31 TALL FESCUE (60#/AC) THE BASIN SHALL REMAIN IN PLACE UNTIL REMOVAL HAS BEEN APPROVED BY THE HOWARD SOIL CONSERVATION DISTRICT.
- SEMI-PERMANENT & PERMANENT SEEDINGS SHALL BE IN ACCORDANCE WITH SECTION 3.100 OF THE ABOVE SPECIFICATIONS & AS FOLLOWS:
 - SEEDBED PREPARATION:
 - APPLY 2000#/AC. OF GROUND AGRICULTURAL LIMESTONE
 - APPLY 1000#/AC. OF 10-10-10 FERTILIZER
 - SEEDING:
 - LAWN AREAS
 - 70% KENTUCKY 31 TALL FESCUE
 - 20% KENTUCKY BLUEGRASS
 - 10% ANNUAL RYE GRASS
 - EMBANKMENT AREAS
 - KENTUCKY 31 TALL FESCUE - 40 #/AC
 - CROWNVELTCH, INACULATED - 15 #/AC
- MULCH: MULCH WITH UNWEATHERED SMALL GRAIN STRAW, AT RATE OF 1 1/2 TO 2 TONS/AC ANCHOR WITH LIQUID ASPHALT OR A MULCH ANCHORING TOOL.
- THE HOWARD SOIL CONSERVATION DISTRICT SHALL BE NOTIFIED A MINIMUM OF 24 HOURS IN ADVANCE OF GRADING.
- THE PROPOSED STORM DRAINAGE SYSTEM SHALL BE CONSTRUCTED CONCURRENTLY WITH INITIAL GRADING, HOWEVER ALL INLETS ARE TO BE CAPPED. THE STORM DRAINAGE SYSTEM SHALL BE OPERABLE ONLY AFTER TRIBUTARY AREA HAS BEEN STABILIZED AND THE SEDIMENT BASIN REMOVED.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PERIODICALLY MAINTAIN ALL SEDIMENT AND EROSION CONTROL PROVISIONS.

SCHEDULE OF OPERATIONS

- STRIP AND STOCKPILE TOPSOIL.
- CONSTRUCT SEDIMENT CONTROL PROVISIONS, I.E., SEDIMENT BASIN, DIVERSION BERMS, ETC., AND GRADING SITE.
- CONSTRUCT STORM DRAIN SYSTEM AND CAP ALL INLETS.
- STABILIZE SITE.
- REMOVE SEDIMENT CONTROL PROVISIONS AND UNCAP STORM DRAINAGE INLETS AFTER PARKING LOTS & ROADWAYS ARE PAVED & SITE IS STABILIZED.

VILLAGE OF HARPER'S CHOICE
 FIFTH ELECTION DISTRICT
 SECTION 3, AREA 2, LOTS 7 & 9
 PLAT BOOK 13, FOLIO 86

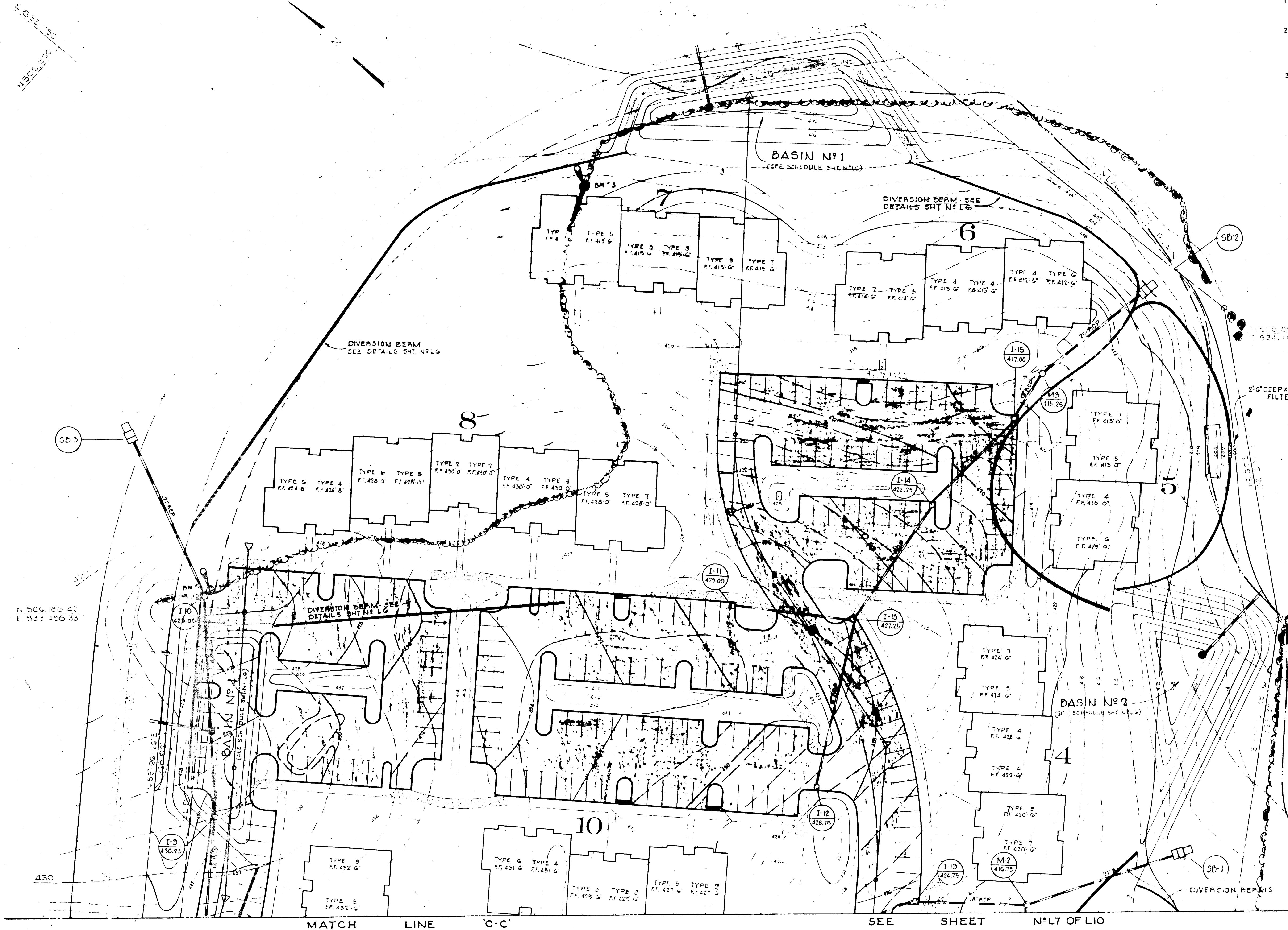
CERTIFICATION BY THE PROFESSIONAL ENGINEER
 I Certify that the Plan of Development and the Plan for Control of Site and Erosion meet the Requirements, Standards and Specifications of the Howard Soil Conservation District.

CERTIFICATION BY THE DEVELOPER
 I Certify that all development and/or construction will be in accordance with this Plan of Development and Plan of Site and Sediment Control.

HOWARD COUNTY SOIL CONSERVATION DISTRICT
 This development plan is approved for Soil Erosion and Sediment Control by the Howard County Soil Conservation District.

REVIEWED FOR _____ S.C.D.
 AND MEETS TECHNICAL REQUIREMENTS

US SOIL CONSERVATION SERVICE



NO.	DATE	DESCRIPTION

ROUSE-WATES INC. COLUMBIA, MD. 21043-301-730-9000
 TELEX: ROUSWATE - 87799

PAT & CHIP MAY ARCHITECTS AIA
 5723 GREENSPRING AVE BALTIMORE MD 21209

STONEYBROOK the village of HARPER'S CHOICE
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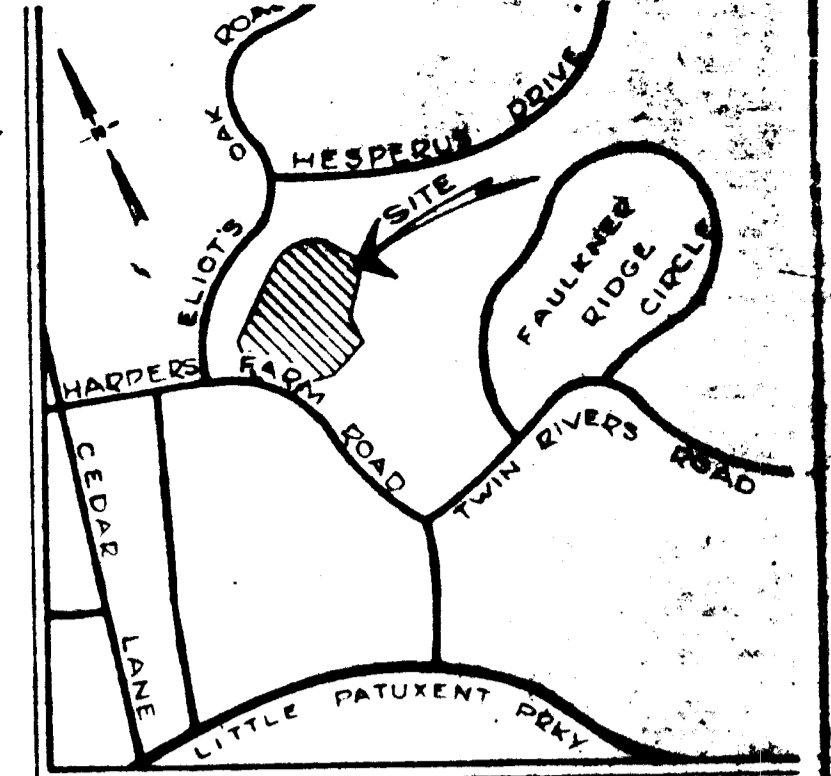
Kamber & Watkins ENGINEERING CIVIL & ENVIRONMENTAL
 117 BERKLEY AVE. BALTIMORE, MD 21201

DATE 11/16/72
 DRAWN J.M.D.
 CHECKED D.M.K.
 SCALE 1" = 30'
 JOB NO.

SEDIMENT CONTROL PLAN-(N)
L8
 SDR13-53C

MATCH LINE 'D-D'

SEE SHEET N° LIO OF LIO



VICINITY MAP SCALE 1"=1300'

PROPERTY OF HOWARD RESEARCH AND DEVELOPMENT CORPORATION



VILLAGE OF HARPER'S CHOICE
FIFTH ELECTION DISTRICT
SECTION 3, AREA 2, LOTS 7 & 9
PLAT BOOK 13, FOLIO 86

APPROVED FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.

CRD 3/20/73
Date

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING

Al Th... 3/20/73
Date

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

... 3/15/73
Date

... 3/15/73
Date

ROUSE-WATES INC. COLUMBIA, MD. 21043 · 301-730-9000
TELEX: ROUSWATE - 87799

PAT & CHIPMAY ARCHITECTS AIA
5723 GREENSPRING AVE BALTIMORE MD 21209

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Kamber & Watkins ENGINEERING - CIVIL / STRUCTURAL / ENVIRONMENTAL
2411 BLUERIDGE AVENUE SILVER SPRING, MARYLAND 20902, (301) 946-4545

DATE 11/16/72
DRAWN W.I.S.
CHECKED D.M.K.
SCALE 1"=30'
JOB NO.

DRAINAGE AREA MAP-SOUTH

L9

501 73-53C

