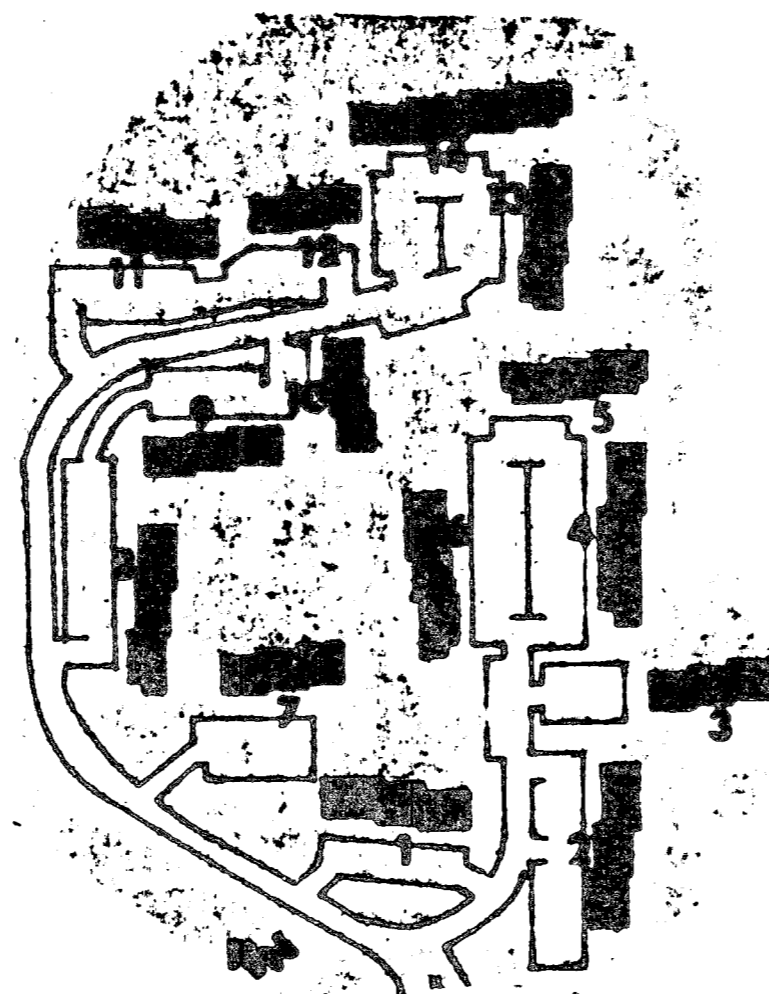
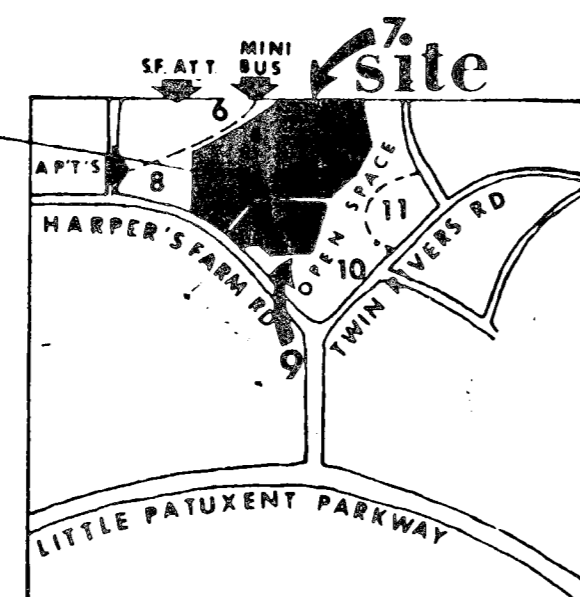
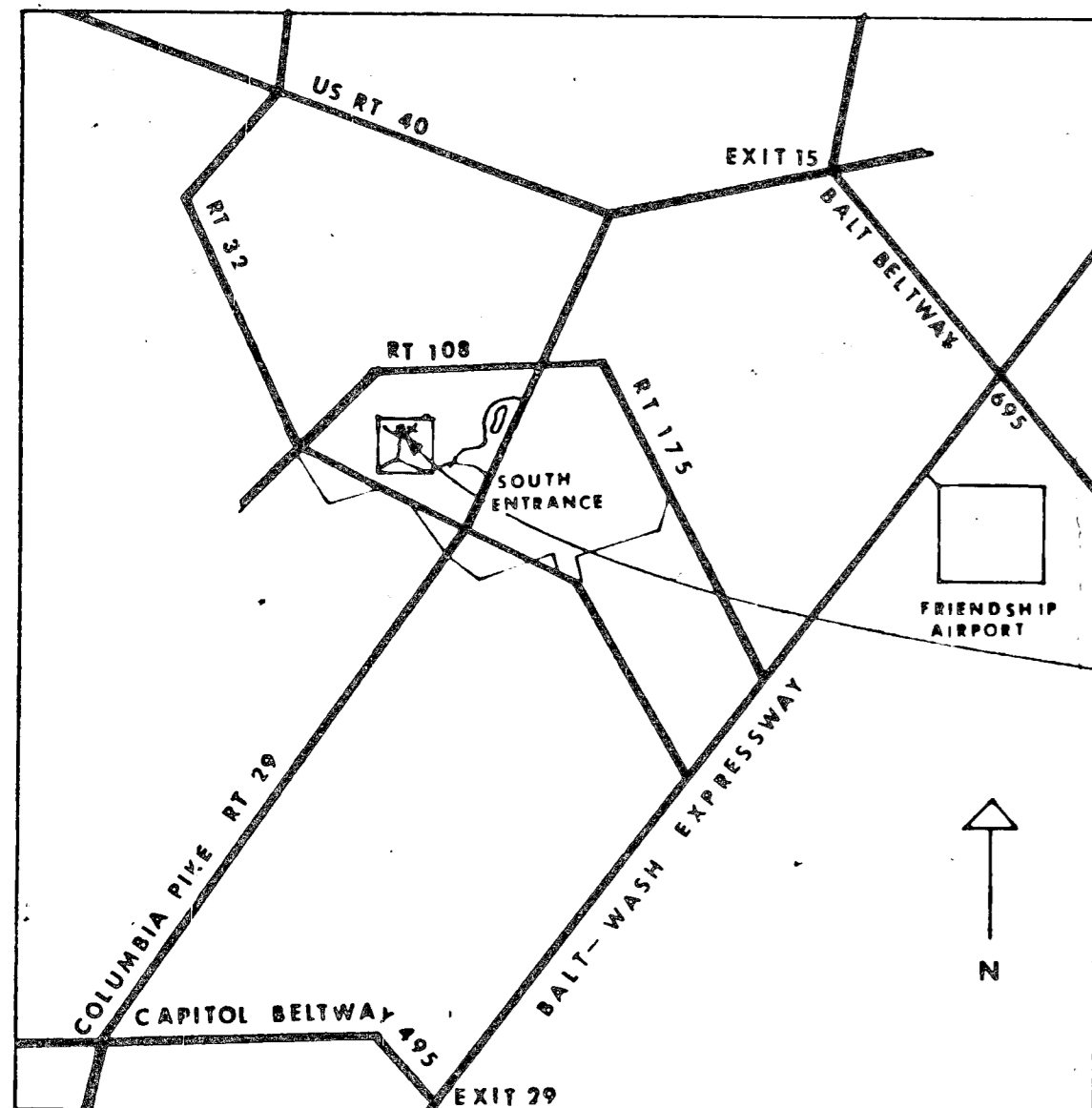


BLANDS CROSSING II



APARTMENT MIX

	building number														TOTALS	sq
	1	2	3	4	5	6	7	8	9	10	11	12	13	14		
1 bedroom 642 sf	12	-	18	-	-	-	12	-	12	18	12	18	-	-	102	642
2 bedroom 860 sf	3	15	-	12	12	12	6	12	3	-	3	-	12	18	108	860
3 bedroom 1103 sf	3	3	-	6	6	6	-	6	3	-	3	-	6	6	48	1103
TOTALS	18	18	18	18	18	18	18	18	18	18	18	18	18	24	258	

APPROVED FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS
 HOWARD CO. HEALTH DEPT.
 COUNTY HEALTH OFFICER
 DATE 8-18-72

APPROVED HOWARD CO. OFFICE OF PLANNING & ZONING
 PLANNING OFFICER
 DATE 8-28-72

CHIEF DIV. OF LAND DEVELOPMENT
 DATE 8/27/72

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE & STORM DRAINAGE SYSTEMS & ROADS
 HOWARD CO. DEPT. OF PUBLIC WORKS
 DIRECTOR
 DATE 8/18/72

CHIEF, BUREAU OF HIGHWAYS
 DATE 8-18-72

APPROVED
 PLANNING BOARD
 OF HOWARD COUNTY
 DATE 7/26/72
 James L. Harsh

TITLE SHEET

T1 TITLE SHEET, INDEX, APARTMENT MIX, AND LOCATION MAP

SITE AND LANDSCAPING

- L3 GRADING PLAN - SOUTH AT 1/4 IN. = 30 FT. 0 IN.
- L8 GRADING PLAN - NORTH AT 1/4 IN. = 30 FT. 0 IN.
- L3 LAY OUT PLAN - SOUTH AT 1/4 IN. = 30 FT. 0 IN.
- L4 LAY OUT PLAN - NORTH AT 1/4 IN. = 30 FT. 0 IN.

ARCHITECTURAL

- A1 TYPICAL FLOOR PLANS AND ELEVATIONS, BUILDING NO. 1
- A2 TYPICAL FLOOR PLANS AND ELEVATIONS, BUILDING NO. 2
- A3 TYPICAL FLOOR PLANS AND ELEVATIONS, BUILDING NO. 3
- A4 TYPICAL FLOOR PLANS AND ELEVATIONS, BUILDING NO. 4
- A5 TYPICAL FLOOR PLANS AND ELEVATIONS, BUILDING NO. 5
- A6 TYPICAL FLOOR PLANS AND ELEVATIONS, BUILDING NO. 6
- A7 TYPICAL FLOOR PLANS AND ELEVATIONS, BUILDING NO. 7
- A8 TYPICAL FLOOR PLANS AND ELEVATIONS, BUILDING NO. 8
- A9 TYPICAL FLOOR PLANS AND ELEVATIONS, BUILDING NO. 9
- A10 TYPICAL FLOOR PLANS AND ELEVATIONS, BUILDING NO. 10
- A11 TYPICAL FLOOR PLANS AND ELEVATIONS, BUILDING NO. 11
- A12 TYPICAL FLOOR PLANS AND ELEVATIONS, BUILDING NO. 12
- A13 TYPICAL FLOOR PLANS AND ELEVATIONS, BUILDING NO. 13
- A14 TYPICAL FLOOR PLANS AND ELEVATIONS, BUILDING NO. 14
- A15 TYPICAL FLOOR PLANS - ONE BEDROOM UNITS - 1/4 IN. = 1 FT. 0 IN.
- A16 TYPICAL FLOOR PLANS - ONE AND TWO BEDROOM UNITS - 1/4 IN. = 1 FT. 0 IN.
- A17 TYPICAL FLOOR PLANS - TWO AND THREE BEDROOM UNITS - 1/4 IN. = 1 FT. 0 IN.
- A18 TYPICAL ELEVATIONS - ONE BEDROOM BUILDINGS - 1/8 IN. = 1 FT. 0 IN.

- A19 TYPICAL ELEVATIONS - ONE AND TWO BEDROOM BUILDINGS - 1/8 IN. = 1 FT. 0 IN.
- A20 TYPICAL ELEVATIONS - TWO AND THREE BEDROOM BLDGS. - 1/8 IN. = 1 FT. 0 IN.
- A21 ELEVATION DETAILS 3/8 IN. x 1 FT. 0 IN.
- A22 BUILDING CROSS SECTION AND WALL SECTIONS
- A23 STAIR SECTIONS, PLANS AND DETAILS
- A24 ENTRANCE SECTION 1/2 IN. = 1 FT. 0 IN.
- A25 MECHANICAL ROOM DETAILS AT 1/2 IN. = 1 FT. 0 IN.
- A26 KITCHEN AND BATHROOM PLANS AND ELEVATIONS AT 1/2 IN. = 1 FT. 0 IN.
- A27 DOOR, WINDOW, AND FINISH SCHEDULES, WALL SECTIONS AND MISC. DETAILS

STRUCTURAL

- S1 ONE BEDROOM UNIT - TYPICAL FLOOR FRAMING - 1/4 IN. = 1 FT. 0 IN.
- S2 ONE AND TWO BEDROOM UNITS - TYPICAL FLOOR FRAMING - 1/4 IN. = 1 FT. 0 IN.
- S3 TWO AND THREE BEDROOM UNITS - TYPICAL FLOOR FRAMING - 1/4 IN. = 1 FT. 0 IN.
- S4 ONE BEDROOM UNIT - ROOF FRAMING PLAN - 1/4 IN. = 1 FT. 0 IN.
- S5 ONE AND TWO BEDROOM UNITS - ROOF FRAMING PLAN - 1/4 IN. = 1 FT. 0 IN.
- S6 TWO AND THREE BEDROOM UNITS - ROOF FRAMING PLAN - 1/4 IN. = 1 FT. 0 IN.
- S7 FOUNDATION PLANS AT 1/8 IN. = 1 FT. 0 IN. - BUILDINGS 1 AND 2
- S8 FOUNDATION PLANS AT 1/8 IN. = 1 FT. 0 IN. - BUILDINGS 3 AND 4
- S9 FOUNDATION PLANS AT 1/8 IN. = 1 FT. 0 IN. - BUILDINGS 5 AND 6
- S10 FOUNDATION PLANS AT 1/8 IN. = 1 FT. 0 IN. - BUILDINGS 7 AND 8
- S11 FOUNDATION PLANS AT 1/8 IN. = 1 FT. 0 IN. - BUILDINGS 9 AND 10
- S12 FOUNDATION PLANS AT 1/8 IN. = 1 FT. 0 IN. - BUILDINGS 11 AND 12
- S13 FOUNDATION PLANS AT 1/8 IN. = 1 FT. 0 IN. - BUILDINGS 13 AND 14

MECHANICAL AND PLUMBING

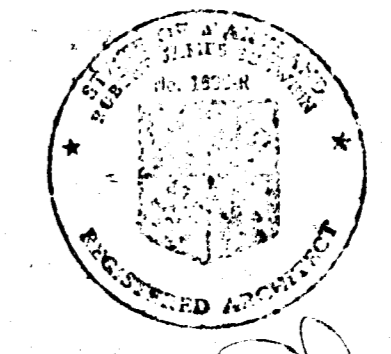
- M1 TYPICAL FLOOR PLANS - ONE BEDROOM UNITS - MECHANICAL
- M2 TYPICAL FLOOR PLANS - ONE AND TWO BEDROOM UNITS - MECHANICAL
- M3 TYPICAL FLOOR PLANS - TWO AND THREE BEDROOM UNITS - MECHANICAL
- M4 MECHANICAL EQUIPMENT ROOM LAYOUT
- M5 PLUMBING - BUILDING ONE AND TWO
- M6 PLUMBING - BUILDINGS THREE AND FOUR
- M7 PLUMBING - BUILDINGS FIVE AND SIX
- M8 PLUMBING - BUILDINGS SEVEN AND EIGHT
- M9 PLUMBING - BUILDINGS NINE AND TEN
- M10 PLUMBING - BUILDINGS ELEVEN AND TWELVE
- M11 PLUMBING - BUILDINGS THIRTEEN AND FOURTEEN

ELECTRICAL

- E1 SITE PLAN - SOUTH - ELECTRICAL
- E2 SITE PLAN - NORTH - ELECTRICAL
- E3 TYPICAL FLOOR PLANS - ONE BEDROOM UNITS - ELECTRICAL
- E4 TYPICAL FLOOR PLANS - TWO AND THREE BEDROOM UNITS - ELECTRICAL
- E5 ENTRANCE, LAUNDRY AND MECHANICAL ROOMS - ELECTRICAL

DRAINAGE

- D1 SITE DRAINAGE AND SEDIMENT CONTROL PLAN - SOUTH
- D2 SITE DRAINAGE AND SEDIMENT CONTROL PLAN - NORTH
- D3 DRAINAGE PROFILES
- D4 DRAINAGE AND SEDIMENT CONTROL DETAILS



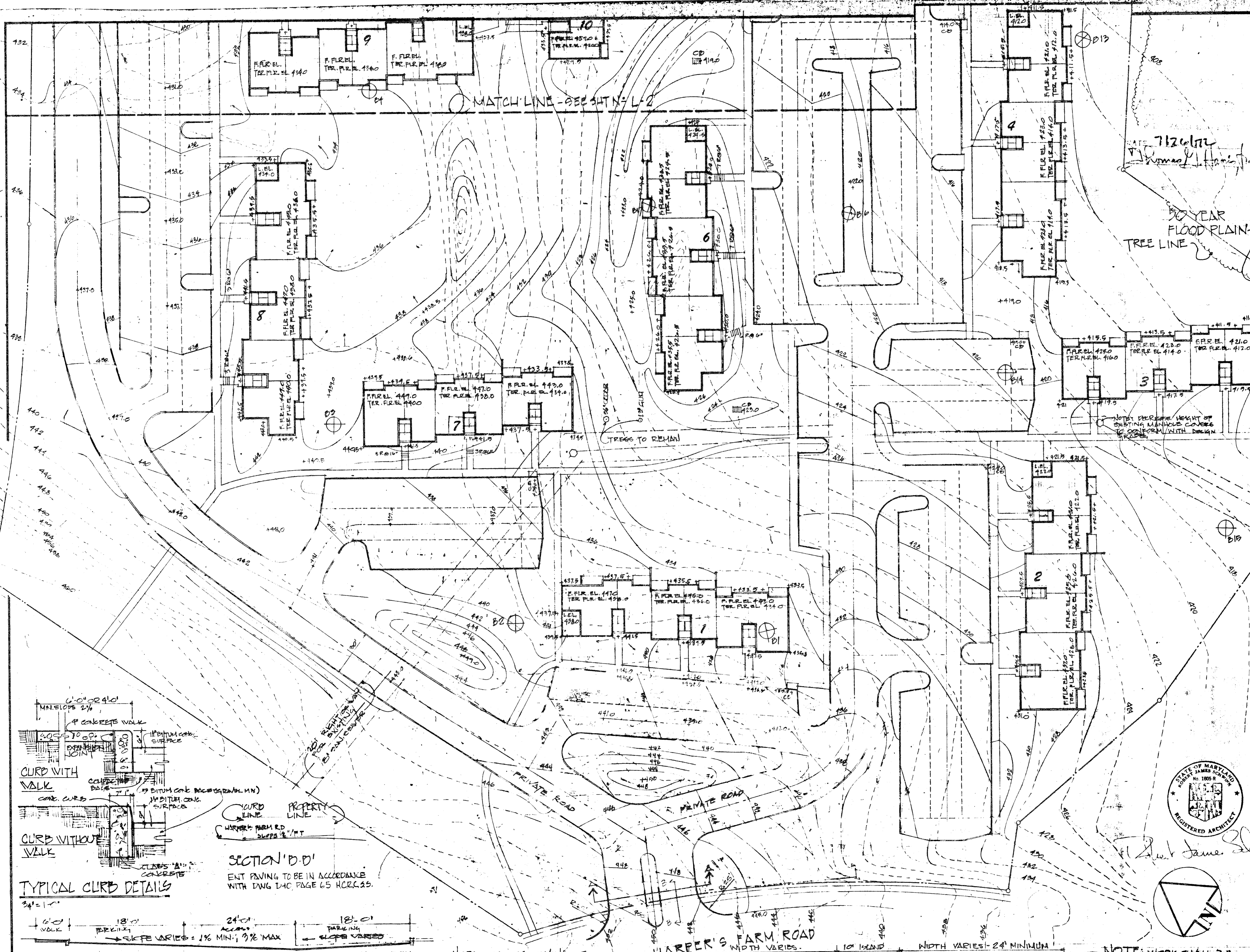
ROUSE-WATT
 COLUMBIA, MD.

SCHMIDT &
 ASSOCIATES
 ARCHITECTS
 WASHINGTON, D.C.

BLANDS CROSSING APARTMENTS
 VILLAGE OF HARPER'S CHOICE
 COLUMBIA, MARYLAND
 5TH ELECTION DISTRICT
 HOWARD COUNTY

TITLE SHEET AND INDEX
 APARTMENT MIX
 LOCATION MAP

SCALE	
DATE	7/26/72
DES BY	
DRAWN BY	
CHECKED BY	
DATE	

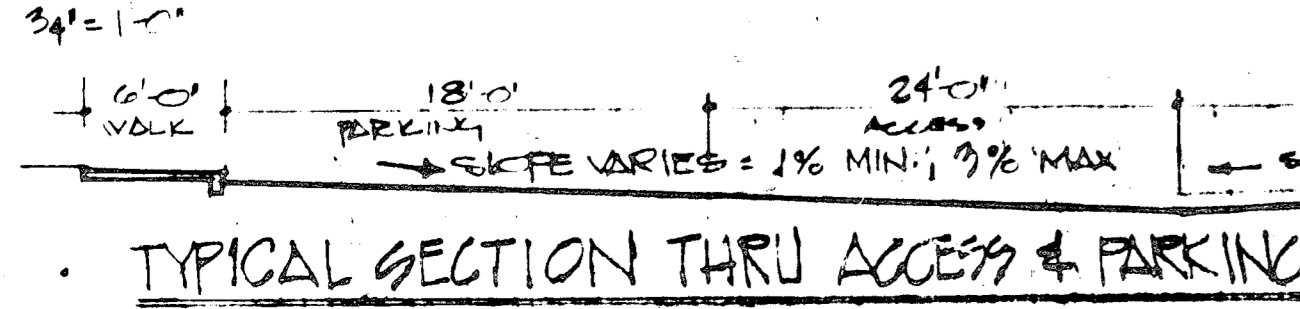
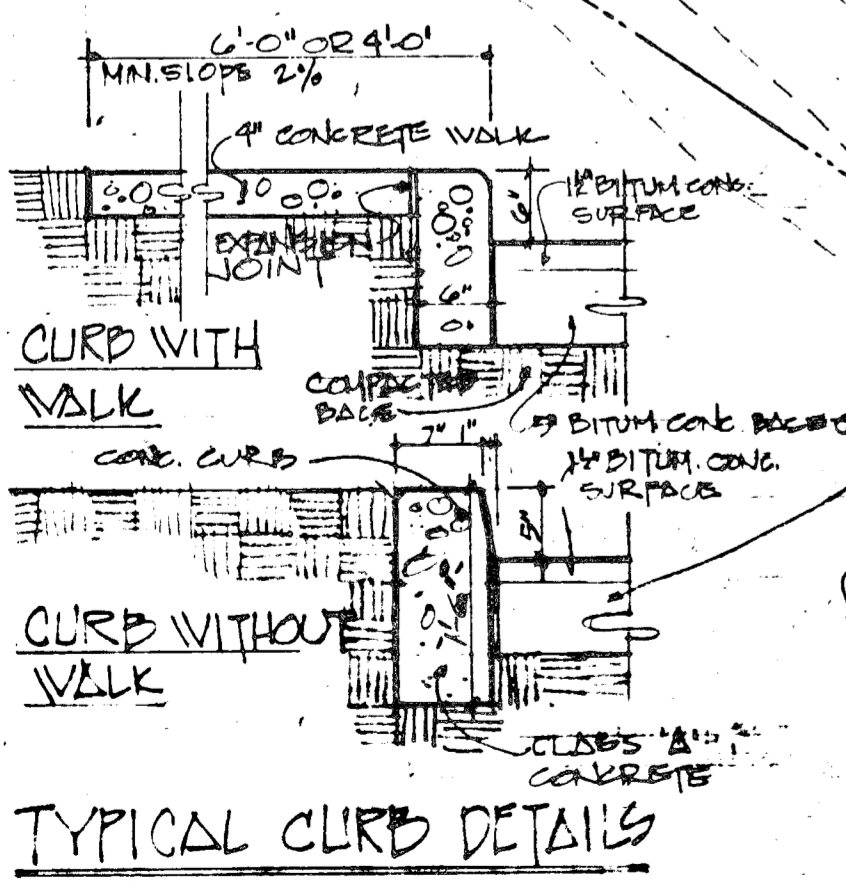


- NOTES:
1. TOPOGRAPHIC SURVEY BY PURDUM & JOESCHE - APRIL 29, 1971
 2. ALL DISTURBED AREAS TO BE SOPDED OR SEEDED TO PREVENT SOIL EROSION.
 3. ALL DRAINAGE SWALES TO BE TAMPED, ROLLED & SOPDED.
 4. ALL INTERIOR STREETS TO BE PRIVATE
 5. NO FENCES, WALLS, OR SIGNS TO BE CONSTRUCTED.

APPROVED FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS
 HOWARD CO. HEALTH DEPT. 1/1/72
 COUNTY HEALTH OFFICER _____ DATE _____
 APPROVED HOWARD CO. OFFICE OF PLANNING & ZONING 1/1/72
 PLANNING DIRECTOR _____ DATE _____
 CHIEF DIV. OF LAND DEVELOPMENT _____ DATE _____
 APPROVED FOR PUBLIC WATER PUBLIC SEWERAGE & STORM DRAINAGE SYSTEMS & ROADS
 HOWARD CO. DEPT. OF PUBLIC WORKS
 DIRECTOR _____ DATE 1/1/72
 CHIEF, BUREAU OF HIGHWAYS _____ DATE 1/1/72

NOTES: DECREASE HEIGHT OF EXISTING MANHOLE COVERS TO CONFORM WITH DESIGN.

1/1/72
 1/1/72
 1/1/72
 1/1/72
 1/1/72

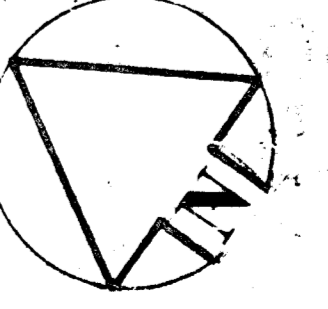


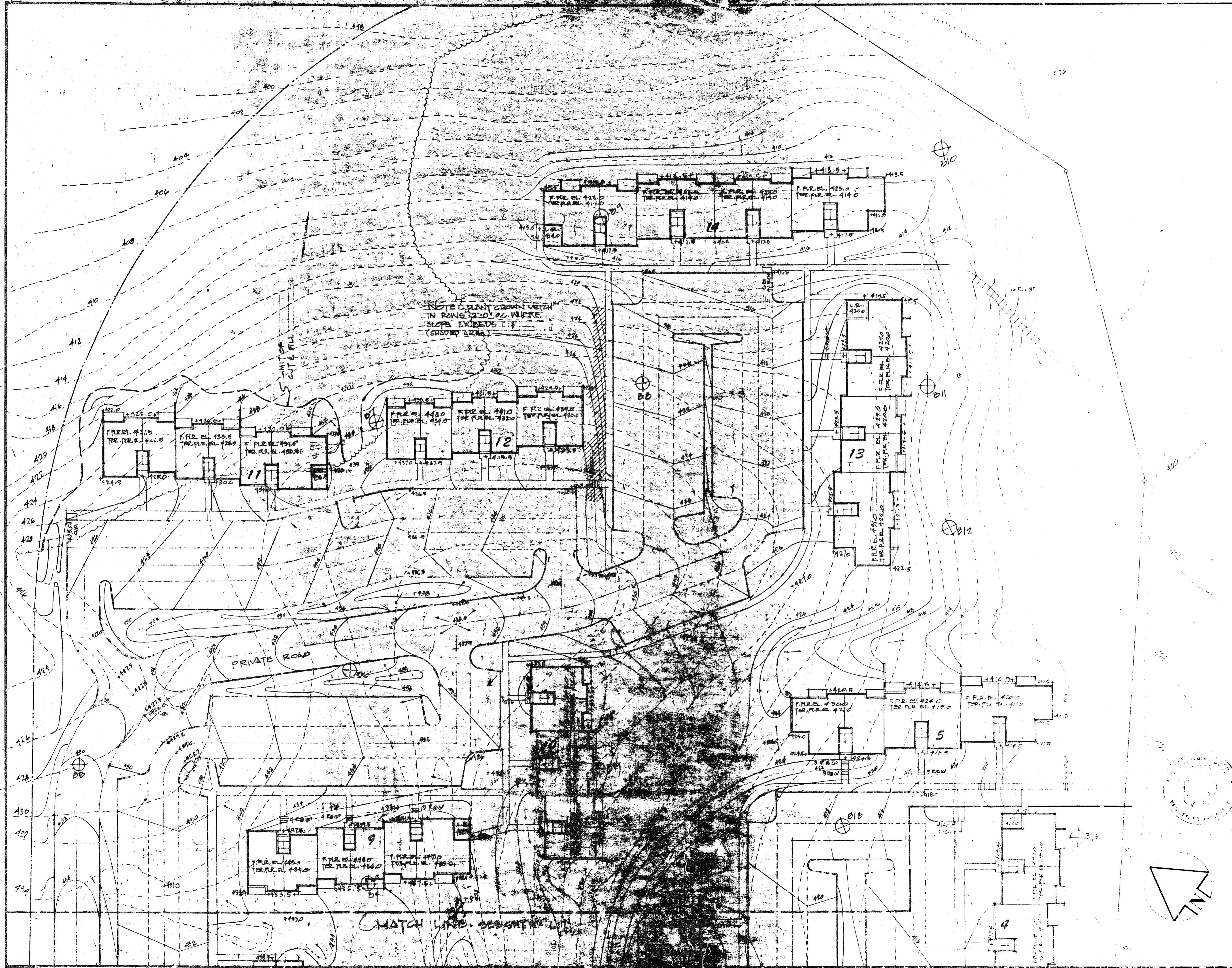
SECTION 'D-D'
 ENT PAVING TO BE IN ACCORDANCE WITH DWG 140 PAGE 65 H.C.R.C. 35.

NOTE: OFF-SITE PAVING OF ENTRANCE TO RIGHT-OF-WAY LINE TO BE SAME AS HARPER'S FARM RD.
 NOTE: PRIME BASE IN ACCORDANCE WITH C-30-3, TACK COAT C-31.4, H.C.R.C. 35.

HARPER'S FARM ROAD
 WIDTH VARIES - 24' MINIMUM
 ENTRANCE DETAIL SECTION A-A - B-B

NOTE: WORK SHALL BE PERFORMED IN ACCORDANCE WITH HOWARD CO. ROAD CONSTRUCTION CODE & STANDARD SPECIFICATION.





APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE SYSTEMS, STORM DRAINAGE SYSTEMS & ROADS
 BOARD OF WATER DEPT. OF PUBLIC WORKS

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, & STORM DRAINAGE SYSTEMS & ROADS
 BOARD OF WATER DEPT. OF PUBLIC WORKS

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, & STORM DRAINAGE SYSTEMS & ROADS
 BOARD OF WATER DEPT. OF PUBLIC WORKS

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, & STORM DRAINAGE SYSTEMS & ROADS
 BOARD OF WATER DEPT. OF PUBLIC WORKS

NO.	DATE	BY	DISTRIBUTION

ROUSE-WATERS
 COLUMBIA, MD. 21043

SWANN & ASSOCIATES
 ARCHITECTS
 WASHINGTON, D.C. PLACER 20634

*Blands Crossing Apartments
 Village of Harper's Choice
 Columbia, Maryland 21043*

VILLAGE OF HARPER'S CHOICE
 SEC. 2, AREA 2, LOTS 7 & 9
 PLAT BOOK 13, FOLIO 50
 5TH ELECTION DIST. HOWARD CO.

SCALE	1" = 20'	DATE	9-24-71
DES BY		CHK BY	
DWNN BY		APP BY	

12

SITE ANALYSIS

AREA OF SITE	
LOT # 7	14.713 AC.
LOT # 9	2.317 AC.
TOTAL	17.030 AC.
BLDG. COVERAGE	763,006.0 sq ft
PERCENT COVERAGE	44.2%
PARKING:	
REQUIRED	587
PROVIDED	587
ZONING: APARTMENTS	
NO. OF UNITS ALLOWED	15/AC = 212
NO. OF UNITS PROVIDED	258
FINAL DEVELOPMENT PLAN	
REFERENCE 30A - SECOND REVISION	

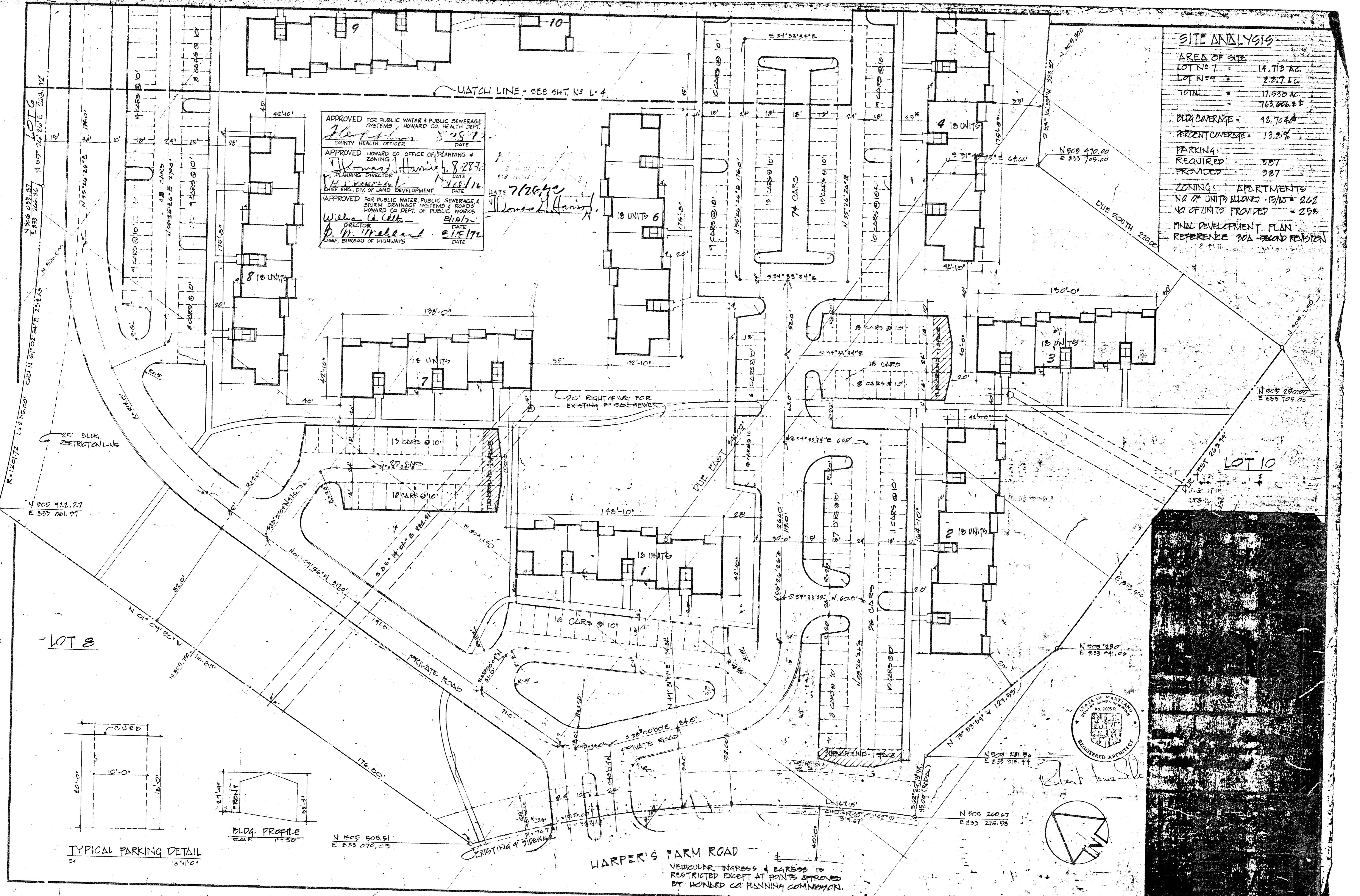
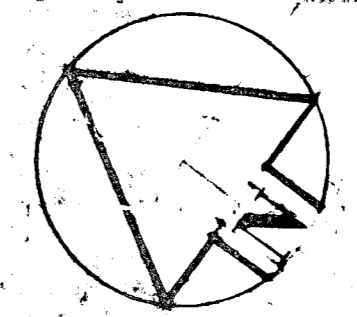
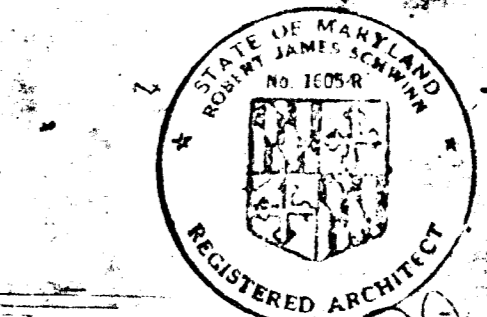
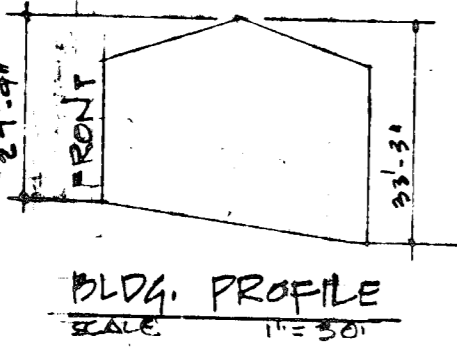
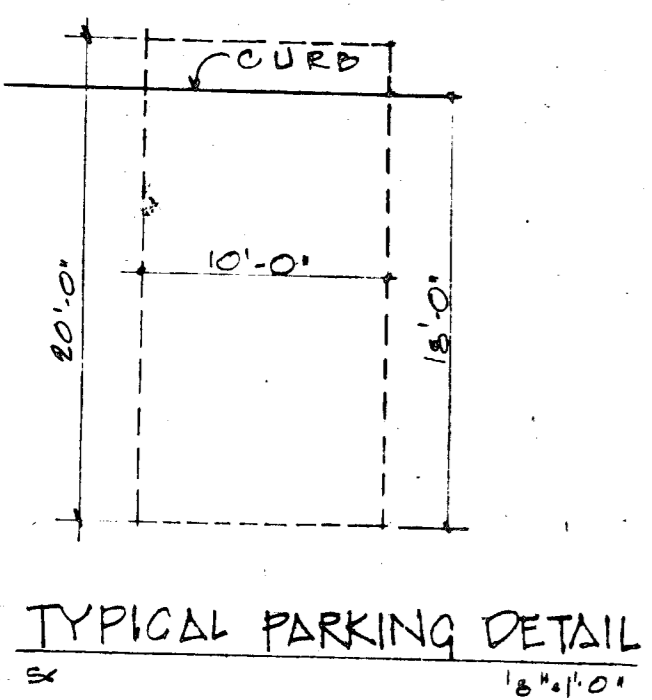
APPROVED FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS HOWARD CO. HEALTH DEPT.
 COUNTY HEALTH OFFICER: [Signature] DATE: 8/28/72
 APPROVED HOWARD CO. OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR: [Signature] DATE: 8/28/72
 CHIEF ENG., DIV. OF LAND DEVELOPMENT: [Signature] DATE: 8/10/72
 APPROVED FOR PUBLIC WATER PUBLIC SEWERAGE & STORM DRAINAGE SYSTEMS & ROADS HOWARD CO. DEPT. OF PUBLIC WORKS
 DIRECTOR: [Signature] DATE: 8/10/72
 CHIEF, BUREAU OF HIGHWAYS: [Signature] DATE: 8/10/72

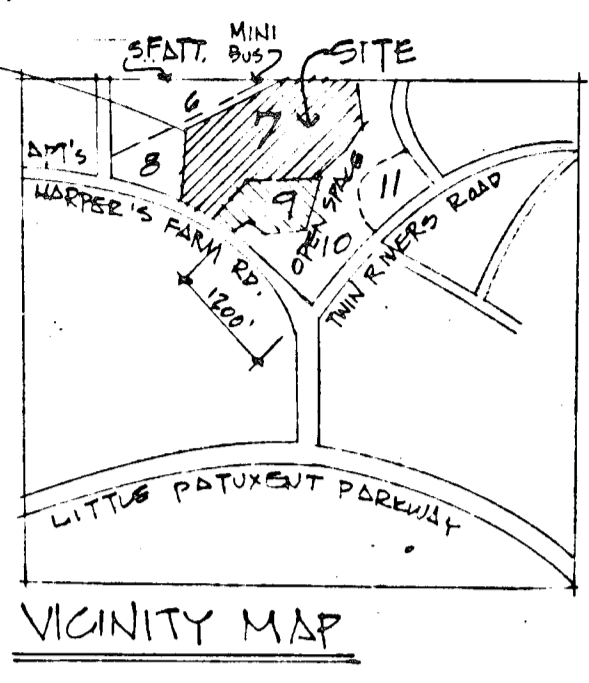
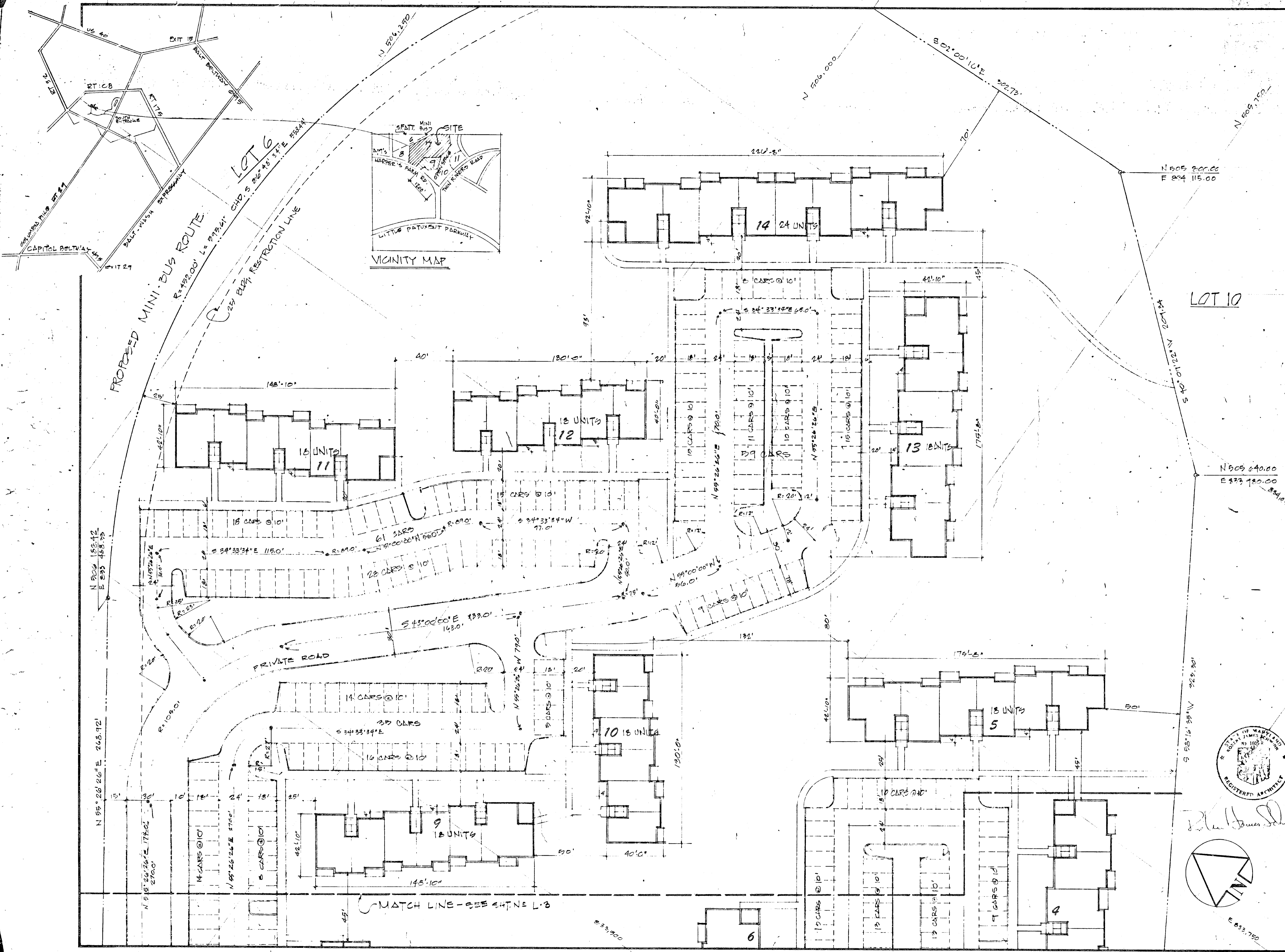
DATE 7/26/72
 [Signature]

MATCH LINE - SEE SH. NO. L-4

20' RIGHT OF WAY FOR EXISTING SAN SEWER

HARPER'S FARM ROAD
 VEHICULAR INGRESS & EGRESS IS RESTRICTED EXCEPT AT POINTS APPROVED BY HOWARD CO. PLANNING COMMISSION.





APPROVED FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS
 HOWARD CO. HEALTH DEPT
 COUNTY HEALTH OFFICER DATE

APPROVED HONORARY COUNTY OFFICE OF PLANNING & ZONING
 PLANNING DIRECTOR DATE
 CHIEF OF DIVISION DATE
 OF LAND DEVELOPMENT

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, AND STORM DRAINAGE SYSTEMS & ROADS
 HOWARD CO. DEPT. OF PUBLIC WORKS
 DIRECTOR DATE
 CHIEF BUREAU OF HIGHWAYS DATE

APPROVED PLANNING BOARD OF HOWARD COUNTY
 DATE
 PLANNING DIRECTOR

REVISION AND DISTRIBUTION RECORD

ROUSE-WATSON
 COLUMBIA, MD.

SOLMAN & ASSOCIATES
 ARCHITECTS
 WASHINGTON, D.C.



Blands Crossing Apartments
 Village of Harper's Choice
 Columbia, Maryland 21045

VILLAGE OF HARPER'S CHOICE
 SEE 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, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100

SCALE
 DATE
 DRAWN BY
 CHECKED BY

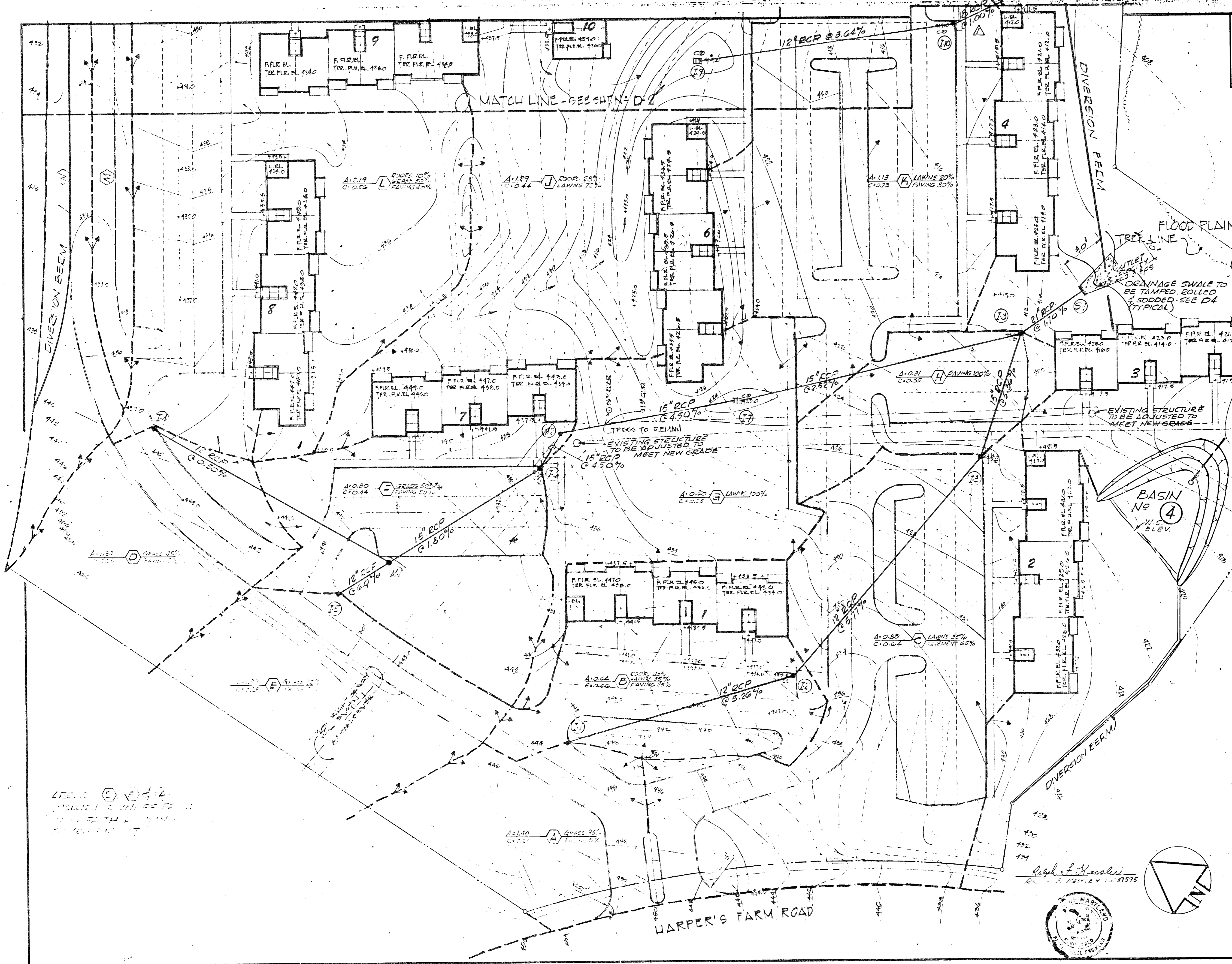
KAMBER & WATKINS
 CIVIL/STRUCTURAL/ENVIRONMENTAL
 ENGINEERS
 2411 BLUEBRIDGE AVE., S.S. MD., 20902

CERTIFICATION BY THE PROFESSIONAL ENGINEER:
 I CERTIFY THAT THE PLAN OF DEVELOPMENT & THE PLAN OF
 SPLIT AND DIVISION MEETS THE REQUIREMENTS & STANDARDS &
 SPECIFICATIONS OF THE HOWARD CO. SOIL CONSERVATION
 DISTRICT.
 SIGNATURE: *[Signature]* DATE: 7/20/72

CERTIFICATION BY THE DEVELOPER:
 I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION
 WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT
 AND PLAN OF SPLIT AND DIVISION CONTROL.
 SIGNATURE: *[Signature]* DATE: 20 JUL 72

HOWARD CO. SOIL CONSERVATION DISTRICT: THIS DEVELOP-
 MENT PLAN IS APPROVED FOR SOIL EROSION & SEDIMENT
 CONTROL BY THE HOWARD CO. SOIL CONSERVATION DISTRICT.
 REVIEWED: *[Signature]* DATE: 7/25/72
 DISTRICT CONSERVATIONIST
 APPROVED: *[Signature]* DATE: 7/26/72
 HOWARD CO. SOIL CONSERVATIONIST

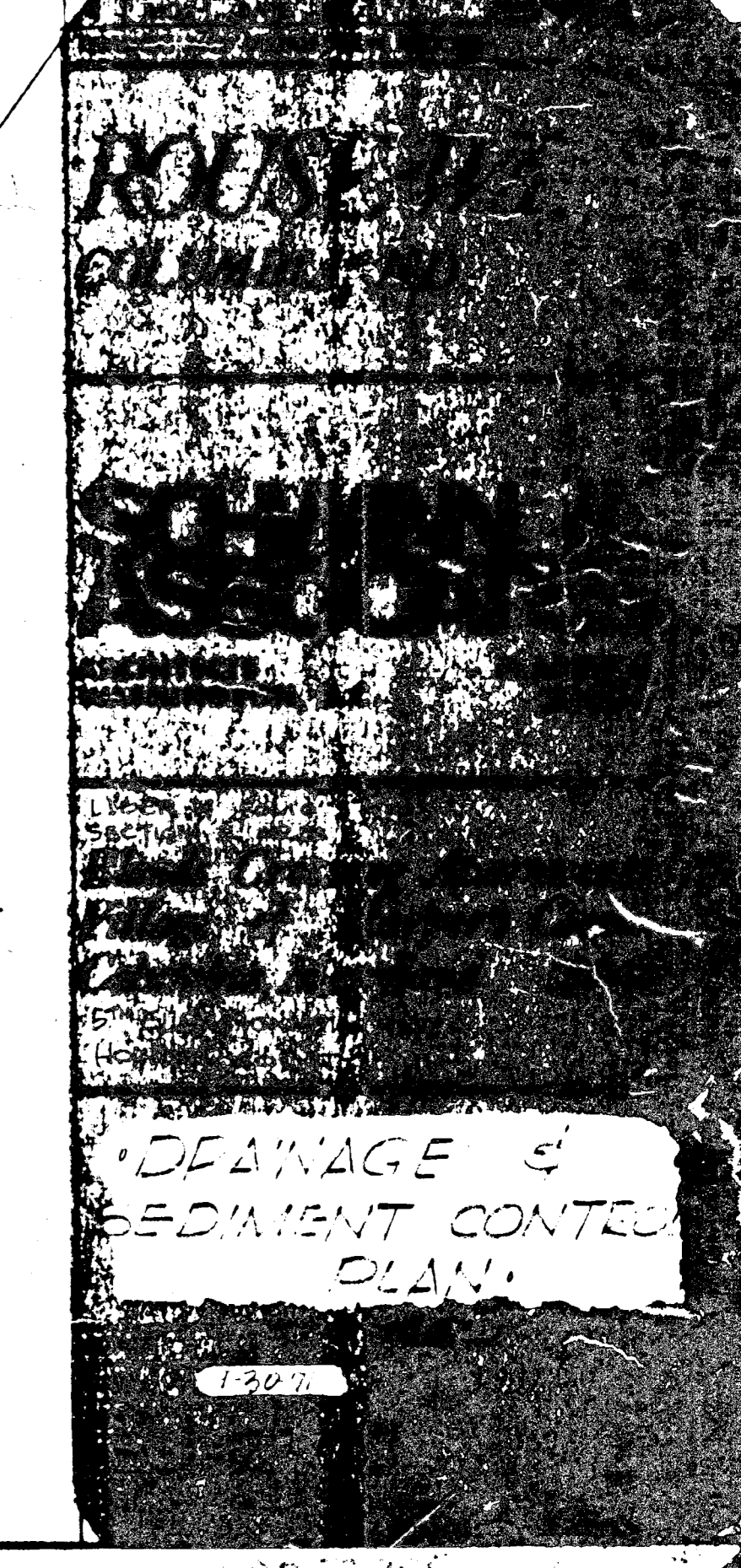
50 YEAR FLOOD PLAIN AS SHOWN
 DETERMINED BY STUDY

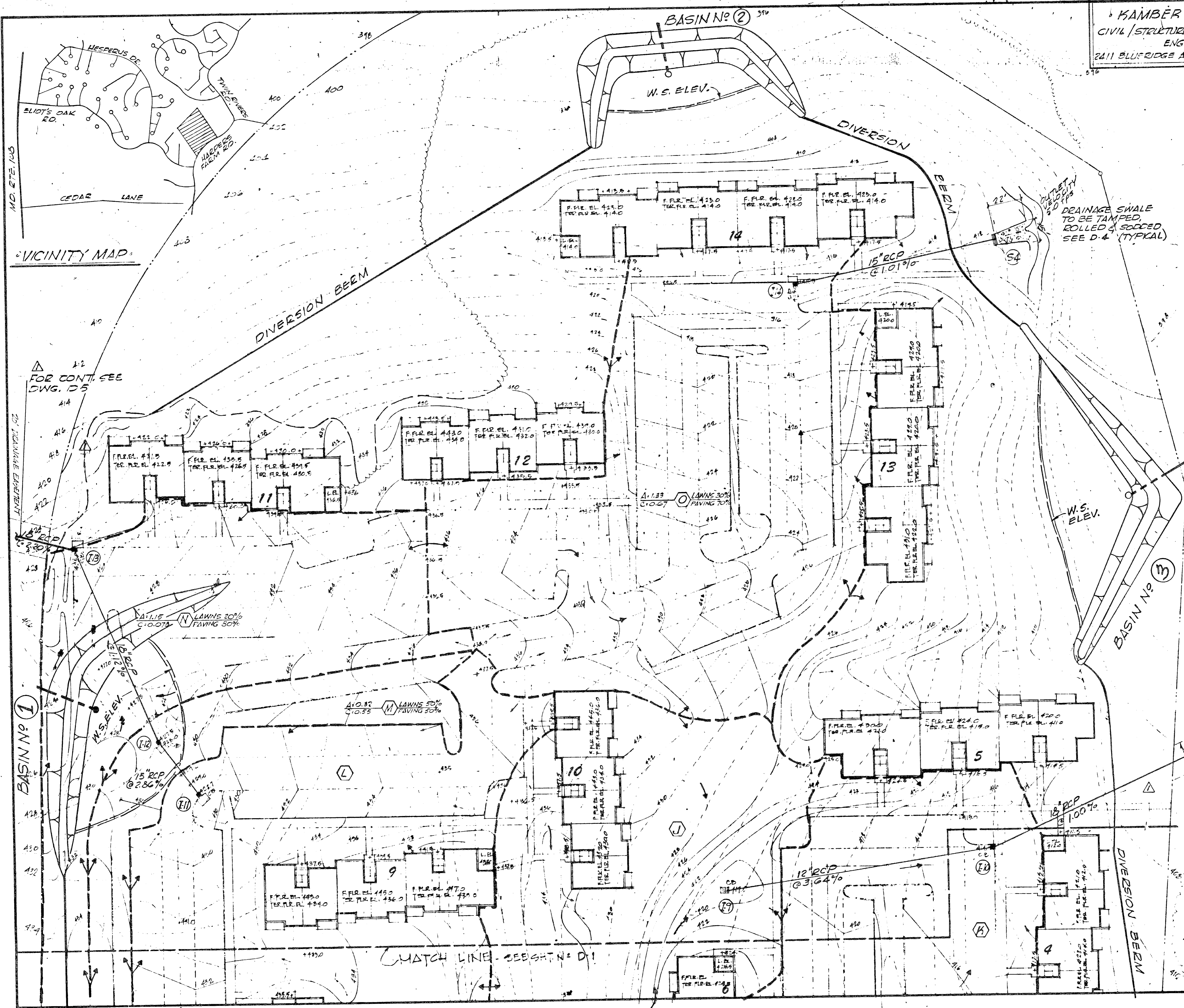


6/14/72 REV. SLOPE OF PIPE

DRAINAGE & SEDIMENT CONTROL PLAN

[Signature]
 1327





KAMBER & WATKINS
 CIVIL/STRUCTURAL/ENVIRONMENTAL
 ENGINEERS
 2411 BLUESRIDGE AVE., S.E., MD., 20702

- GENERAL NOTES**
1. Topography based on Maps prepared by Purbum and Deschre on 4-29-71.
 2. All Utility Companies shall be notified 24 hours in advance of construction.
 3. All Inlets shall be built in accordance with Howard County Standards unless otherwise shown.
 4. Runoff Coefficients (C)
 - Roofs 0.90
 - Paving 0.85
 - Grass 0.25
 5. Storm Drain Calculations based on 10 year Frequency.
 6. All disturbed areas to be sodded or seeded to prevent soil erosion.



CERTIFICATION BY THE PROFESSIONAL ENGINEER
 I CERTIFY THAT THE PLAN OF DEVELOPMENT & THE PLAN OF SILT AND EROSION MEETS THE REQUIREMENTS, STANDARDS, AND SPECIFICATIONS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

[Signature] Sept. 14, 1971
 SIGNATURE 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 SEDIMENT CONTROL.

[Signature] _____
 SIGNATURE DATE

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

REVIEWED: *[Signature]* 7/13/72
 DISTRICT CONSERVATIONIST DATE

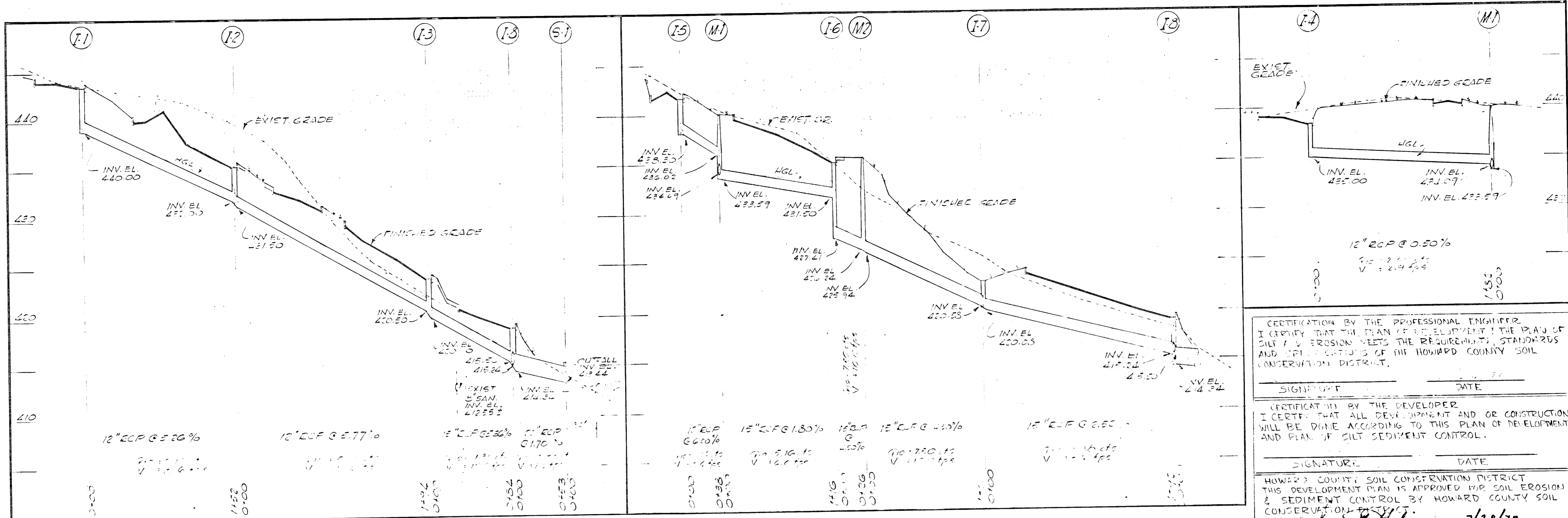
APPROVED: *[Signature]* 7/13/72
 HOWARD CO. CONSERVATIONIST DATE

△ C/1472 DELETED STRUCTURES 5, 2 & 3 & REV. STORM DRAINS

ROUSE
 COLUMBIA, MD.

ROUSE
 ENGINEERS & ARCHITECTS
 1000 W. WASHINGTON ST.
 WASHINGTON, D.C.

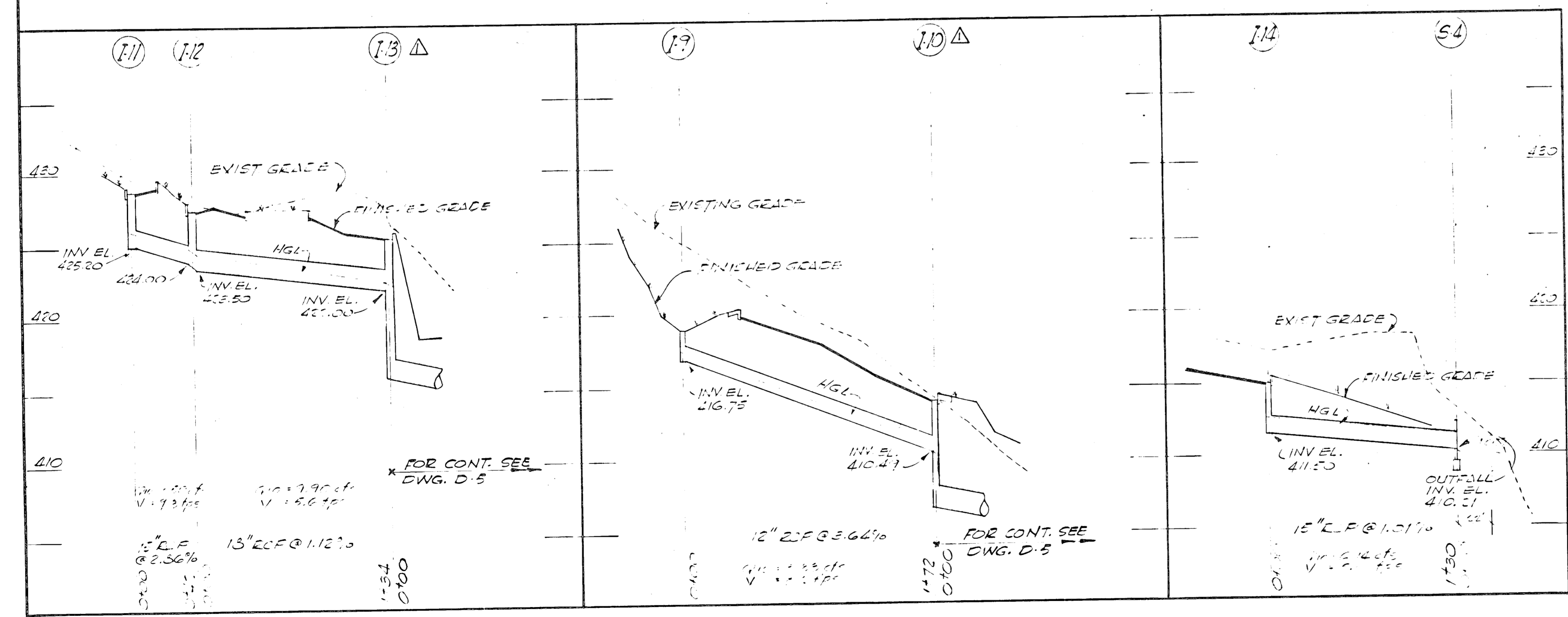
DRAINAGE & SEDIMENT CONTROL PLAN



CERTIFICATION BY THE PROFESSIONAL ENGINEER:
 I CERTIFY THAT THE PLAN OF DEVELOPMENT, THE PLAN OF SILT & EROSION MEETS THE REQUIREMENTS, STANDARDS AND SPECIFICATIONS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

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 SEDIMENT CONTROL.

HOWARD COUNTY SOIL CONSERVATION DISTRICT
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION & SEDIMENT CONTROL BY HOWARD COUNTY SOIL CONSERVATION DISTRICT.
 REVIEWED: *[Signature]* DATE: 7/28/72
 APPROVED: *[Signature]* DATE: 7/28/72
 HOWARD CO. DISTRICT ENGINEER



NOTES:
 1. ALL PIPE TO FIT 12\"/>

NO.	DATE	PR.	DISTRIBUTION
1	6/14/72		MODIFIED OUTLET STRUCTURES 21041-13

ROUSE-WATES
 COLUMBIA, MD. 21043

SCHMINN & ASSOCIATES
 ARCHITECTS WASHINGTON, D.C. PLANNERS 20034

LIFE IN RELIO 47-103
 SECTION 3 AREA 2 LOTS 7-9
Blands Crossing Apartments
Village of Harper's Choice
 Columbia, Maryland 21043
 15th ELECTION DISTRICT
 HOWARD COUNTY

DRAINAGE PROFILES

KAMEES & WITKINS
 CIVIL/STRUCTURAL/ENVIRONMENTAL ENGINEERS
 2411 BELLEBRIDGE AVE, SS. MD., 20790

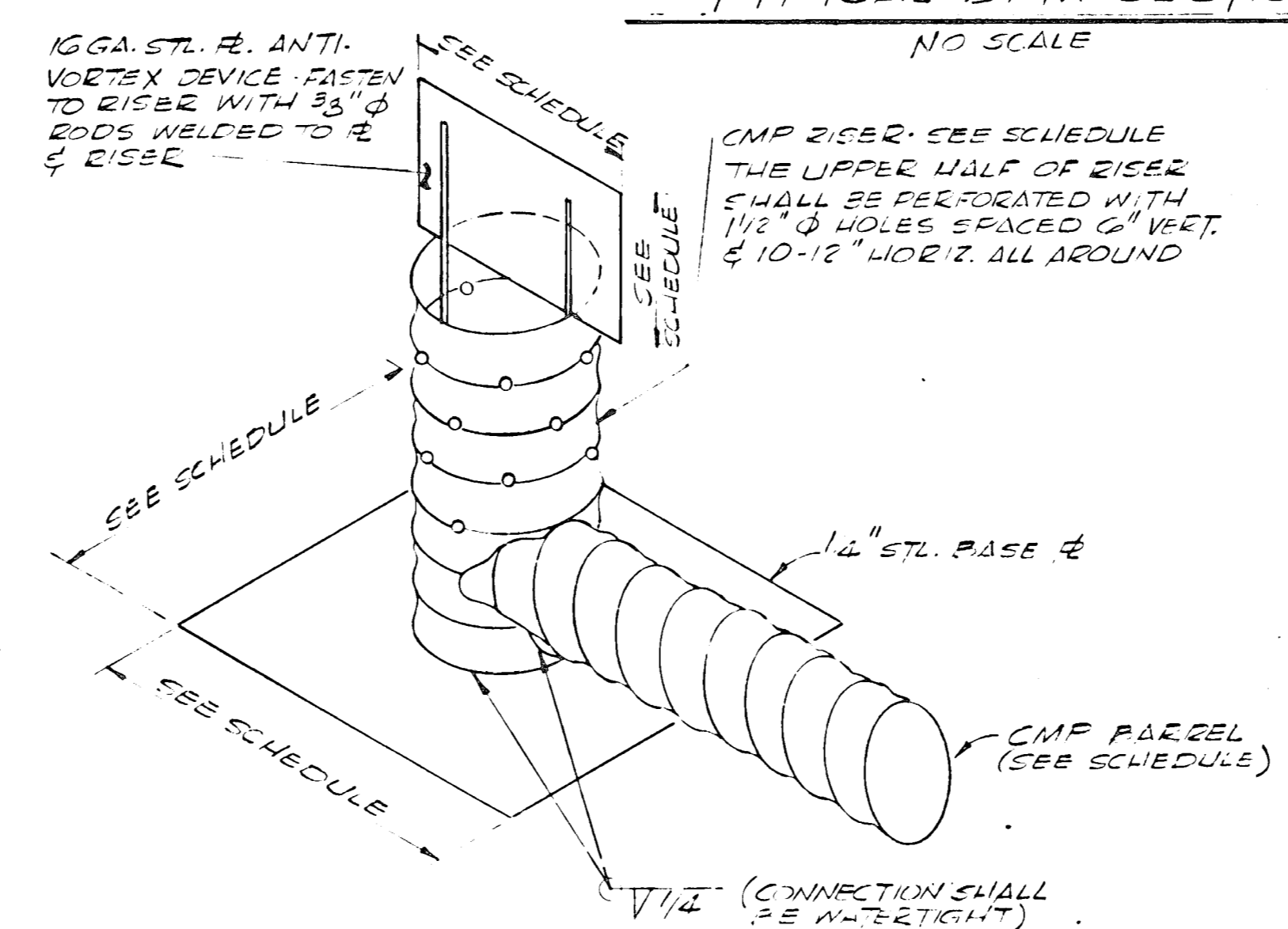
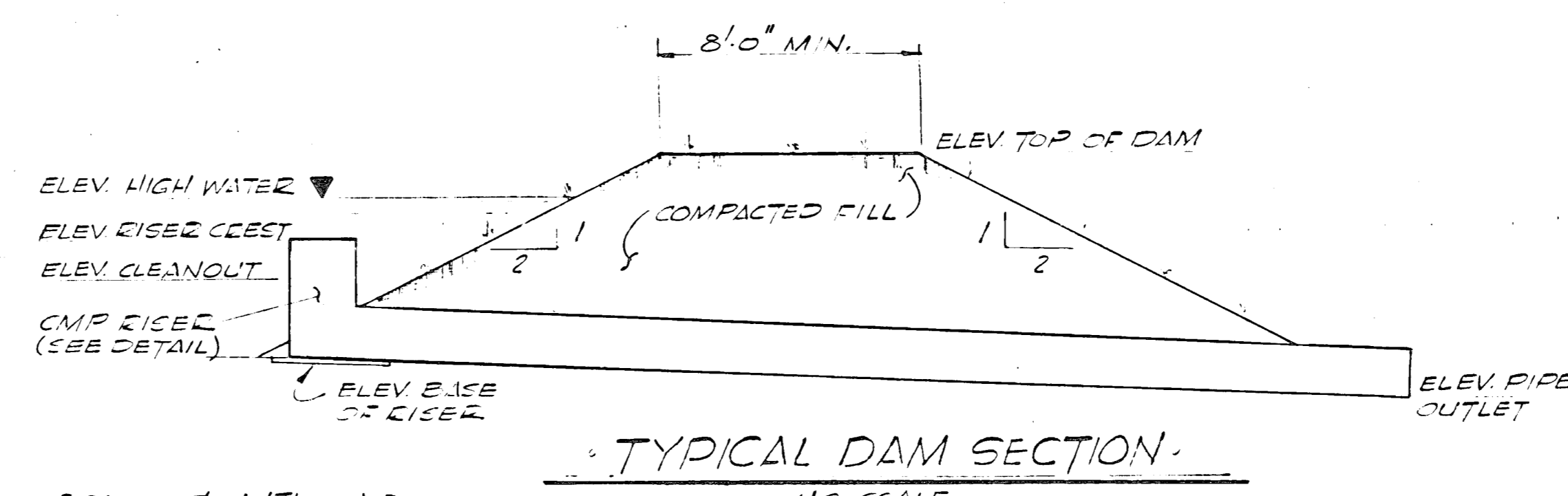
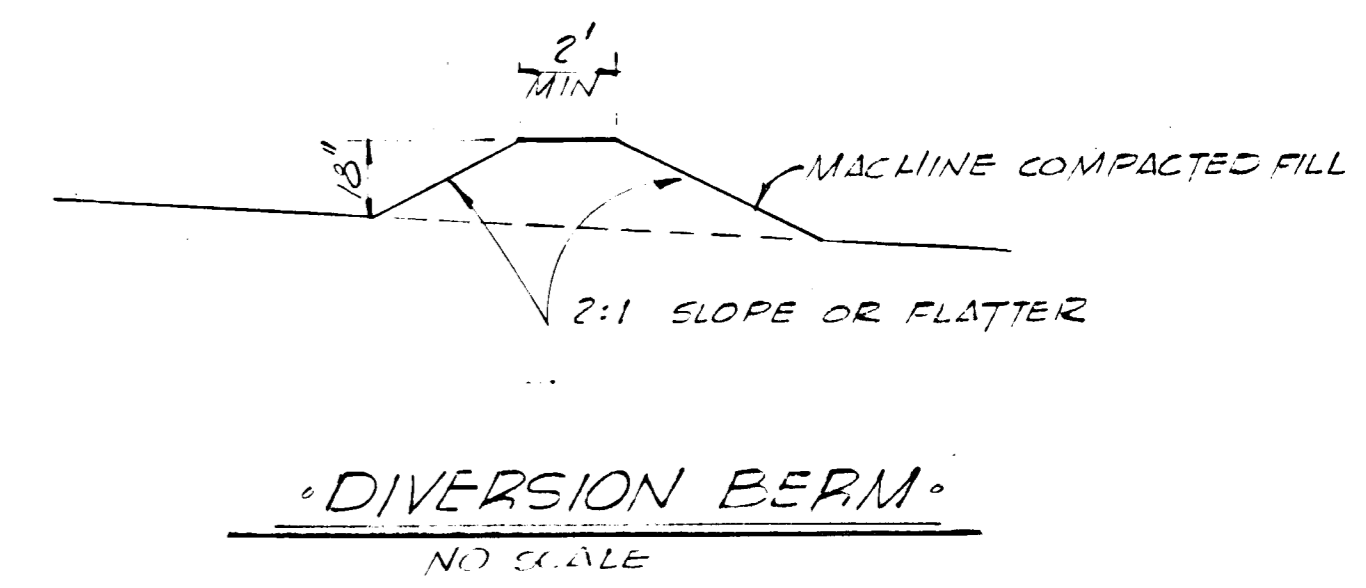
SCALE	DWG. NO.
DATE	9-30-71
DES BY	
DRAWN BY	
CHECK BY	
APP. BY	CF
	CCF NO.

D3

SDP-72-25C

° STORM DRAIN CALCULATIONS °

AREA NO	REMARKS	INCR. ACRES	TOTAL ACRES	C	CA	ACCUM. CA	TIME CONC. MIN.	I IN HR	Q CFS	PIPE SIZE IN.	SLOPE %	VELOCITY F.P.S.	LENGTH FT.	TIME IN PIPE (MIN.)
A	INLET I-1	1.40		0.28	0.39		7.0	6.9	31.0	12	5.26	3.6	152'	0.30
B	INLET I-2	0.64		0.66	0.42		7.0	6.9	29.2					
A-B	I-2 TO I-3		2.04			0.81	7.0	6.9	51.0	12	5.77	10.3	194'	0.30
C	INLET I-3	0.55		0.64	0.26		7.0	6.9	27.7					
A-B-C	I-3 TO I-3		2.92			1.37	7.0	6.9	78.0	15	5.36	10.0	84'	0.14
D-F	I-4 TO M-1	1.34		0.28	0.38		7.0	6.9	34.0	12	5.50	2.7	182'	1.55
E-F	I-5 TO M-1	1.39		0.73	0.39		7.0	6.9	26.2	12	4.50	2.6	38'	0.57
D-E	M-1 TO I-6		2.73			0.77	2.05	6.7	5.1	15	1.80	6.6	116'	0.57
F	INLET I-6	0.80		0.44	0.35		7.0	6.9	24.3					
D-E-F	I-6 TO M-2		3.53			1.12	8.94	6.7	7.50	15	4.5	10.0	26'	0.14
E-F-G	M-2 TO I-7		3.53			1.12	8.33	6.7	7.50	15	4.5	10.0	120'	0.30
G	INLET I-7	0.60		0.25	0.15		6.0	7.4	11.1					
D-E-G	I-7 TO I-8		4.13			1.27	8.5	6.6	5.55	15	2.52	8.2	192'	0.29
H	INLET I-8	0.31		0.85	0.26		5.0	7.3	5.2					
A-H	I-8 TO S-1		7.36			2.90	8.7	6.5	18.35	21	1.70	7.8	53'	OUT
J-K	I-9 TO I-10	1.29		0.43	0.55		7.0	6.9	33.2	12	3.64	5.0	170'	0.35
K	INLET I-10	1.13		0.73	0.82		7.0	6.9	5.7					
L-M	I-10 TO S-B-2		2.42			1.37	7.5	6.1	9.5	13	1.00	5.95	180'	OUT
L-M	I-11 TO I-12	2.19		0.56	1.23		7.0	6.9	32.0	15	2.36	9.3	42'	0.03
M	INLET I-12	0.32		0.55	0.13		7.0	6.1	1.5					
L-M	I-12 TO I-13		2.51			1.41	7.0	6.9	9.0	13	1.12	5.8	134'	0.40
N	INLET I-13	1.15		0.73	0.84		7.0	6.9	27.9					
L-M-N	I-13 TO S-B-3		3.66			2.25	7.45	6.9	15.50	15	2.20	8.52	83'	OUT
O	I-14 TO S-4	1.33		0.67	0.39		7.0	6.9	21.4	15	1.01	5.0	130'	OUT



° SEDIMENT BASIN DATA °

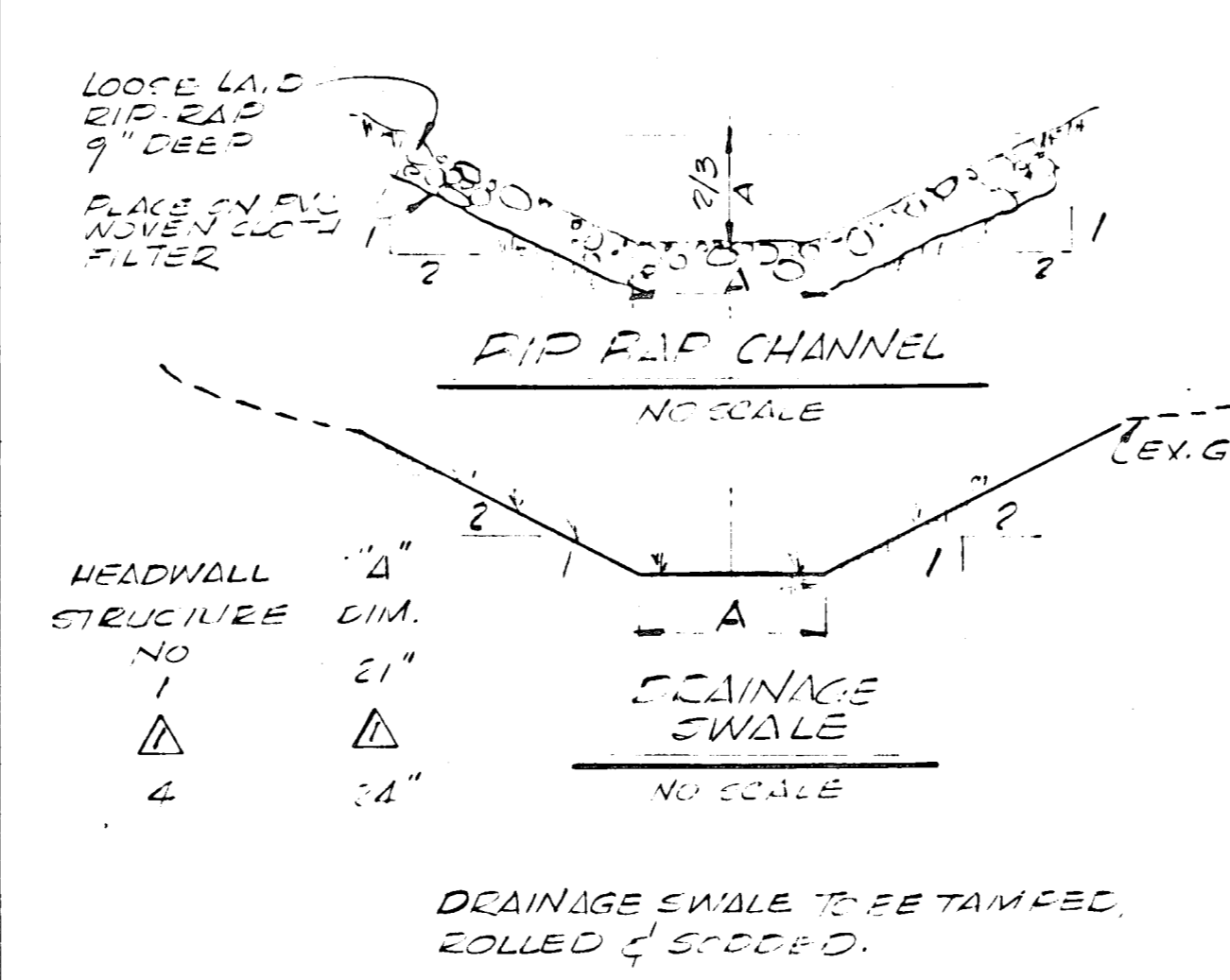
BASIN NO	TOP OF DAM	RISEE CCEST	BASE WATER	RISEE INV.	OUTLET INV.	CLEANOUT	RISEE DIA. LGT.	PARCEL DIA. LGT.	ANTI-VORTEX R. BASE LGT. LGT. FT.
1	430.00	425.00	429.00	425.00	423.00	427.50	24" 320"	18" 35"	36" 18" 44"
2	407.00	403.25	404.00	400.00	398.00	402.40	24" 325"	18" 35"	36" 18" 44"
3	410.00	406.00	407.00	401.00	399.50	405.00	30" 500"	24" 40"	42" 24" 54"
4	413.00	409.40	410.00	406.00	403.50	408.50	18" 340"	15" 35"	36" 12" 34"

- ° NOTES °
- LEVEL THE FEET OF THE PIPE SPILLWAY TO PROVIDE UNIFORM SUPPORT THROUGHOUT ITS ENTIRE LENGTH UNDER THE DAM.
 - 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.
 - STABILIZE BASIN EMBANKMENT BY SEEDING & MULCHING WITH ANCHORED STRAW.
 - PLACE TWO (2) FEET OF STONE, GRAVEL OR TAMPED EARTH ON RISEE BASE PLATE TO PREVENT FLUTING.
 - CLEAN BASIN WHEN SEDIMENT HAS ACCUMULATED TO ELEV. SHOWN ON SCHEDULE.

° STORM DRAINAGE STRUCTURE SCHEDULE °

No.	TYPE	LOCATION	INVERT IN	INVERT OUT	TOP OF CURB OR TOP OF MH	REMARKS
I-1	STD. CL. "5" INLET	SEE PLAN & PROFILE		440.00	444.00	HOWARD CO. STD. DKG. D-98 R-153
I-2	STD. CL. "5" COMB. INLET		432.00	431.50	436.00	D-99 R-154
I-3	STD. CL. "5" COMB. INLET		420.50	420.00	424.50	D-99 R-154
I-4	STD. CL. "5" INLET			425.00	429.00	D-98 R-153
I-5	STD. CL. "5" INLET			425.30	428.30	D-98 R-153
M-1	STD. MANHOLE		425.00	425.00	420.00	D-103 R-153
I-6	STD. CL. "5" COMB. INLET		421.50	421.41	425.50	D-99 R-154
M-2	STD. MANHOLE		422.71	422.71	425.50	D-103 R-153
I-7	STD. TYPE "K" INLET		420.53	420.03	425.20	D-98 R-143
I-8	STD. CL. "5" COMB. INLET		FR. I-3 415.50 FR. I-7 415.24	414.34	419.50	D-99 R-154
S-1	STD. TYPE "C" ENDWALL			415.24		D-50 P-107
I-9	STD. TYPE "K" INLET			416.75	GRATE 2'-0"	D-98 R-143
I-10	STD. CL. "5" COMB. INLET		410.49	404.30	414.50	D-99 R-154
S-B-2	STILLING BASIN			403.00		SEE DETAILS DWG. D-5
I-11	STD. CL. "5" COMB. INLET			425.20	429.50	D-99 R-154
I-12	STD. CL. "5" COMB. INLET			424.00	423.50	D-99 R-154
I-13	STD. CL. "5" COMB. INLET			422.00	415.94	D-99 R-154
S-B-3	STILLING BASIN			414.00		SEE DETAILS DWG. D-5
I-14	STD. CL. "5" COMB. INLET			411.50	415.50	D-99 R-154
S-4	STD. TYPE "C" ENDWALL			410.21		D-50 P-107

° RISER DETAIL °



° SOIL EROSION GEN'L NOTES °

- ALL CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARDS & SPECIFICATIONS FOR SOIL EROSION & SEDIMENT CONTROL IN URBANIZING AREAS.
- THE PROPOSED STORM DRAINAGE SHOWN HEREON SHALL BE CONSTRUCTED PRIOR TO OR CONCURRENTLY WITH INITIAL GRADING, HOWEVER LOCAL INLETS ARE TO BE CAPPED LEAVING MAIN LINE DRAINAGE ONLY OPERABLE.
- THE SEDIMENT BASIN SHOWN SHALL BE CONSTRUCTED PRIOR TO INITIAL GRADING & SHALL BE SEEDED WITH KENTUCKY 31 TALL FESCUE (60% #4) THE FESCUE 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 3.102 OF THE ABOVE SPECIFICATIONS & AS FOLLOWS:
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
10% ANNUAL RYE GRASS
2. EMBANKMENT AREAS
KENTUCKY 31 TALL FESCUE - 15#/AC
CROWN VETCH, INOCULATED - 40#/AC
MULCH: MULCH WITH UNWEATHERED SMALL GRAIN STEWM. 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.
- STORM DRAIN CONSTRUCTION TO BE COMPLETED ONLY AFTER UPGRADE AREA IS STABILIZED & BASIN REMOVED. ALL INLETS TO BE CAPPED BEFORE STABILIZATION & BASIN REMOVAL.

CERTIFICATION BY THE PROFESSIONAL ENGINEER
I CERTIFY THAT THE PLAN OF DEVELOPMENT & THE PLAN OF SILT & EROSION MEETS THE REQUIREMENTS, STANDARDS & SPECIFICATIONS OF THE HOWARD CO. SOIL CONSERVATION DISTRICT.

SIGNATURE: _____ 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 & SEDIMENT CONTROL.

SIGNATURE: _____ DATE: _____

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

REVIEWED: *[Signature]* DATE: 7/22/72
APPROVED: *[Signature]* DATE: 7/22/72

KAMBER & WATKINS
CIVIL/STRUCTURAL/ENVIRONMENTAL ENGINEERS
2411 BLUEIDGE AVE., S.S. MD., 20902

DATE	7/22/72
BY	[Signature]
FOR	[Signature]

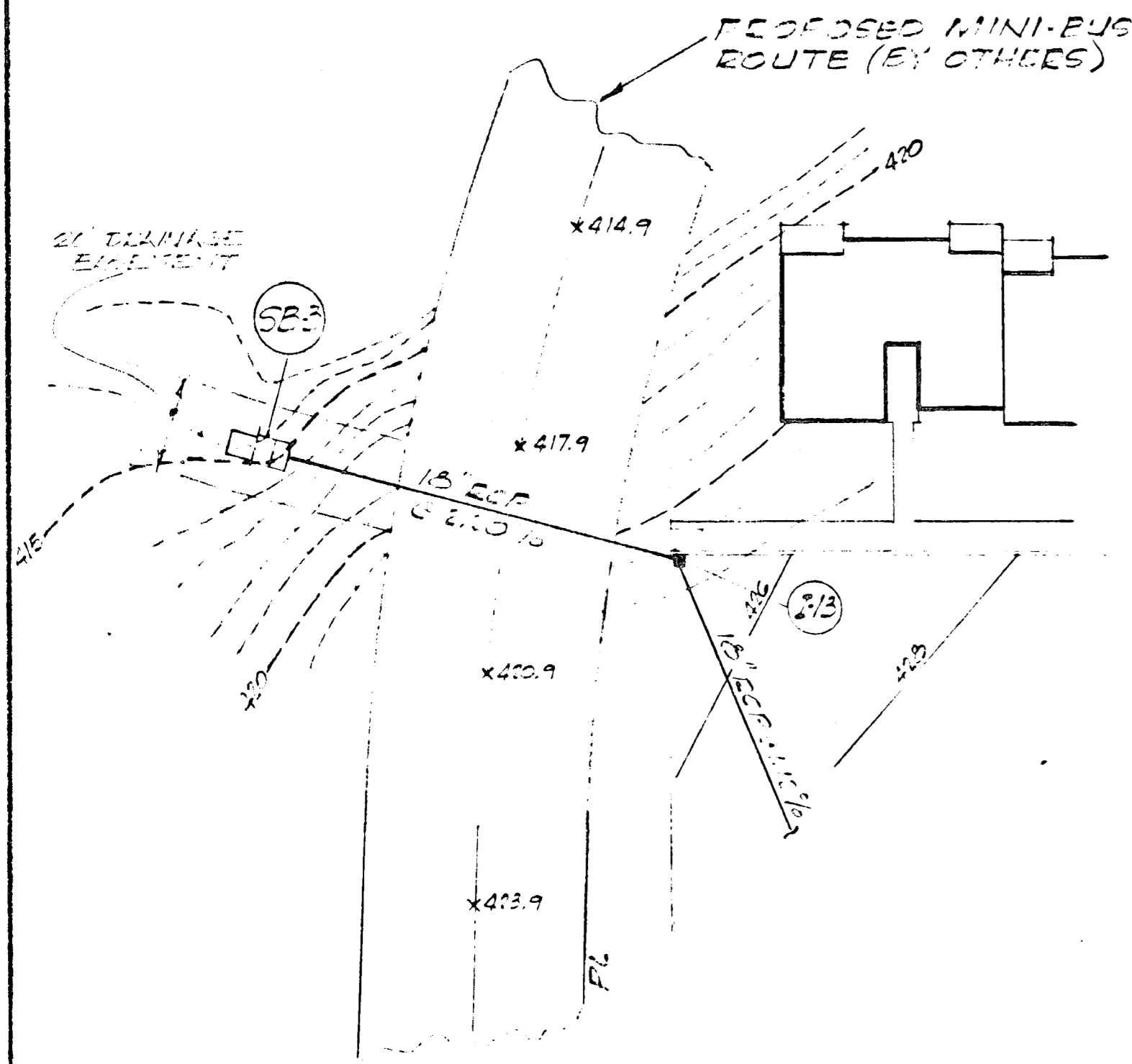
ROUSE-WATES
COLUMBIA, MD. 21043

SOLMAN & ASSOCIATES
ARCHITECTS WASHINGTON, D.C. PLANNERS 20034

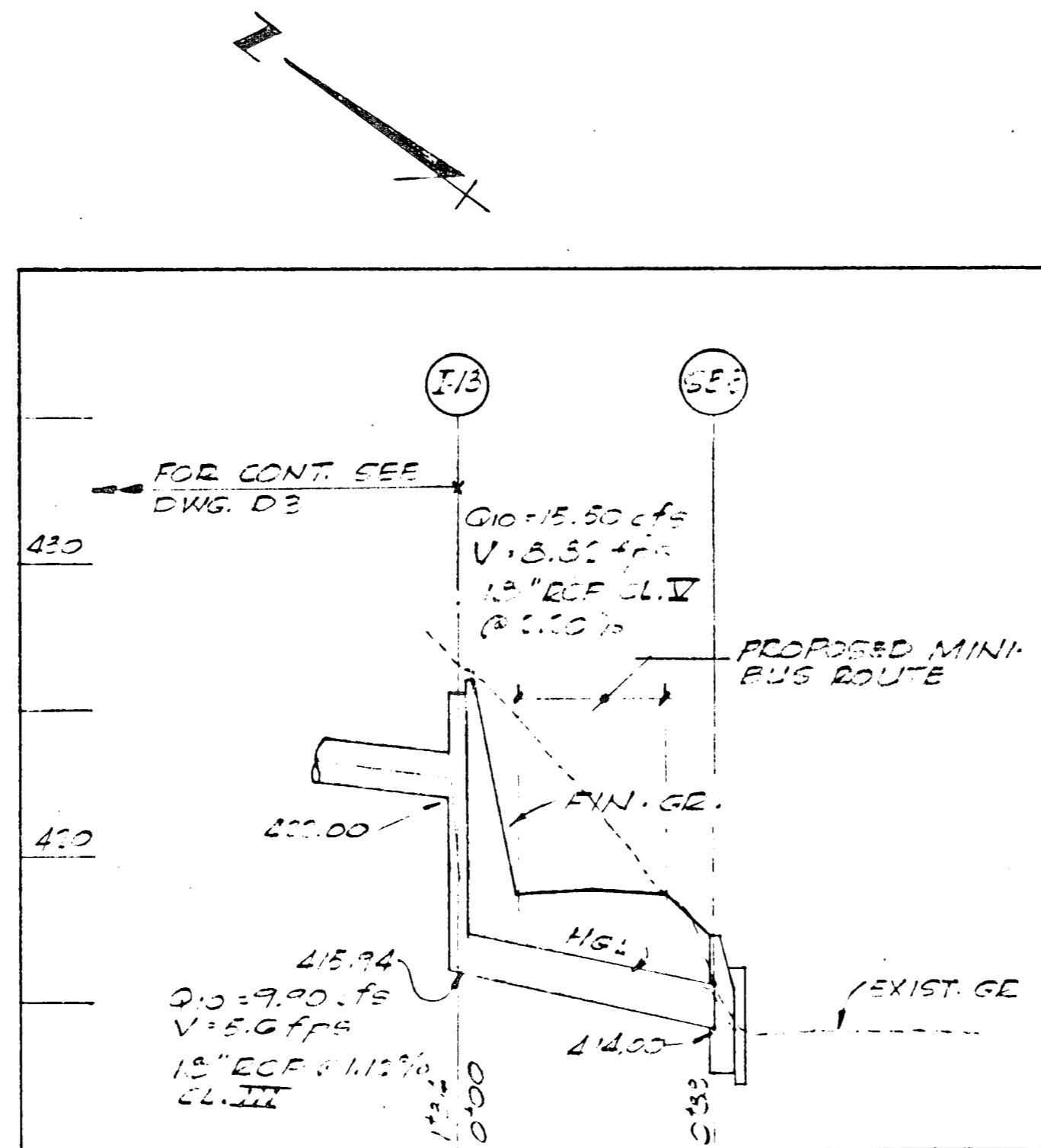
Blinds Crossing Apartments
Village of Harper's Choice
Columbia, Maryland 21043

DRAINAGE & SEDIMENT CONTROL DETAILS

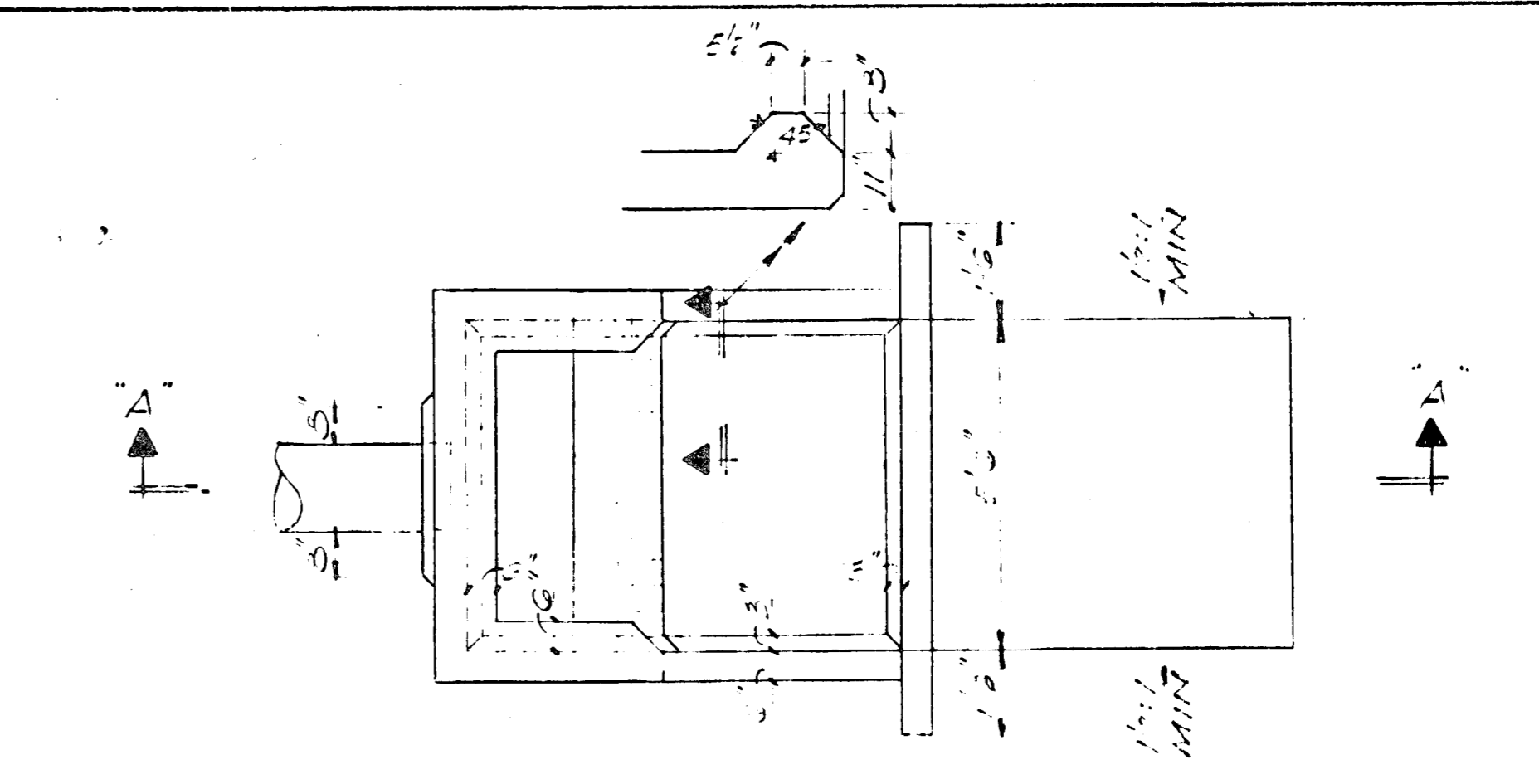
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DATE	9-20-71	D4
ES. BY		
IN. BY		
K. BY		
APP. BY		



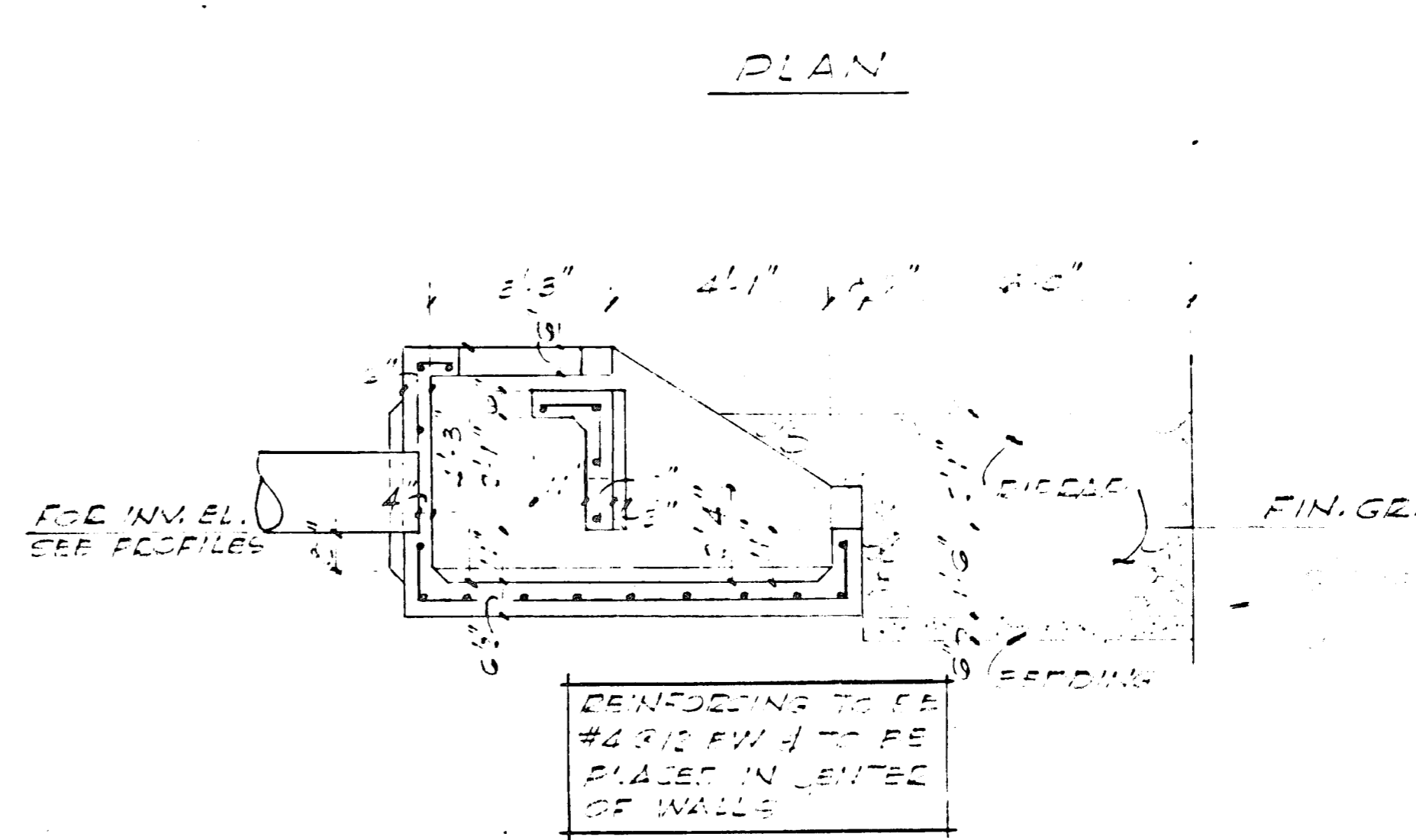
PARTIAL PLAN
SCALE: 1"=30'



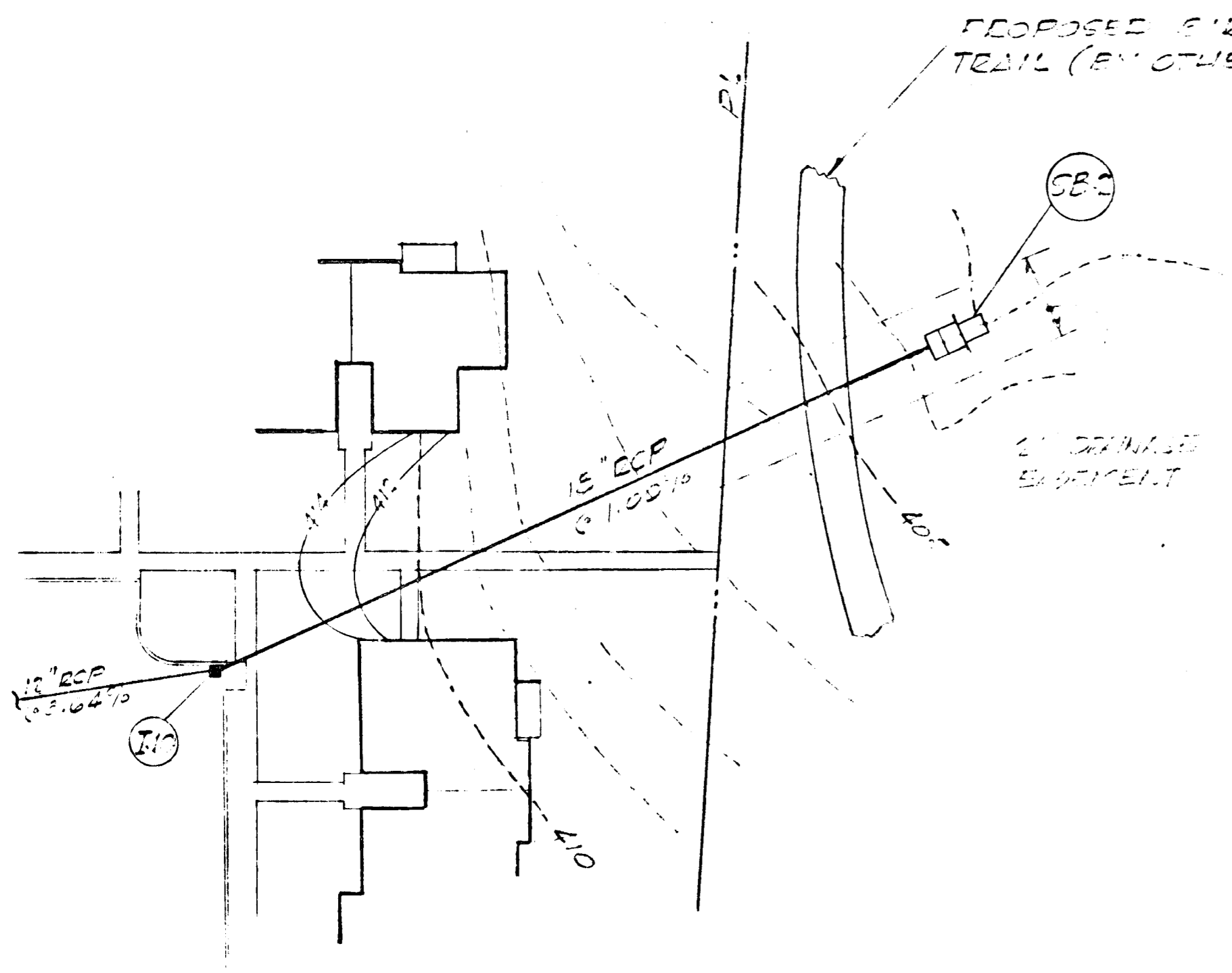
SCALE: HORIZ. 1"=50'
VERT. 1"=5'



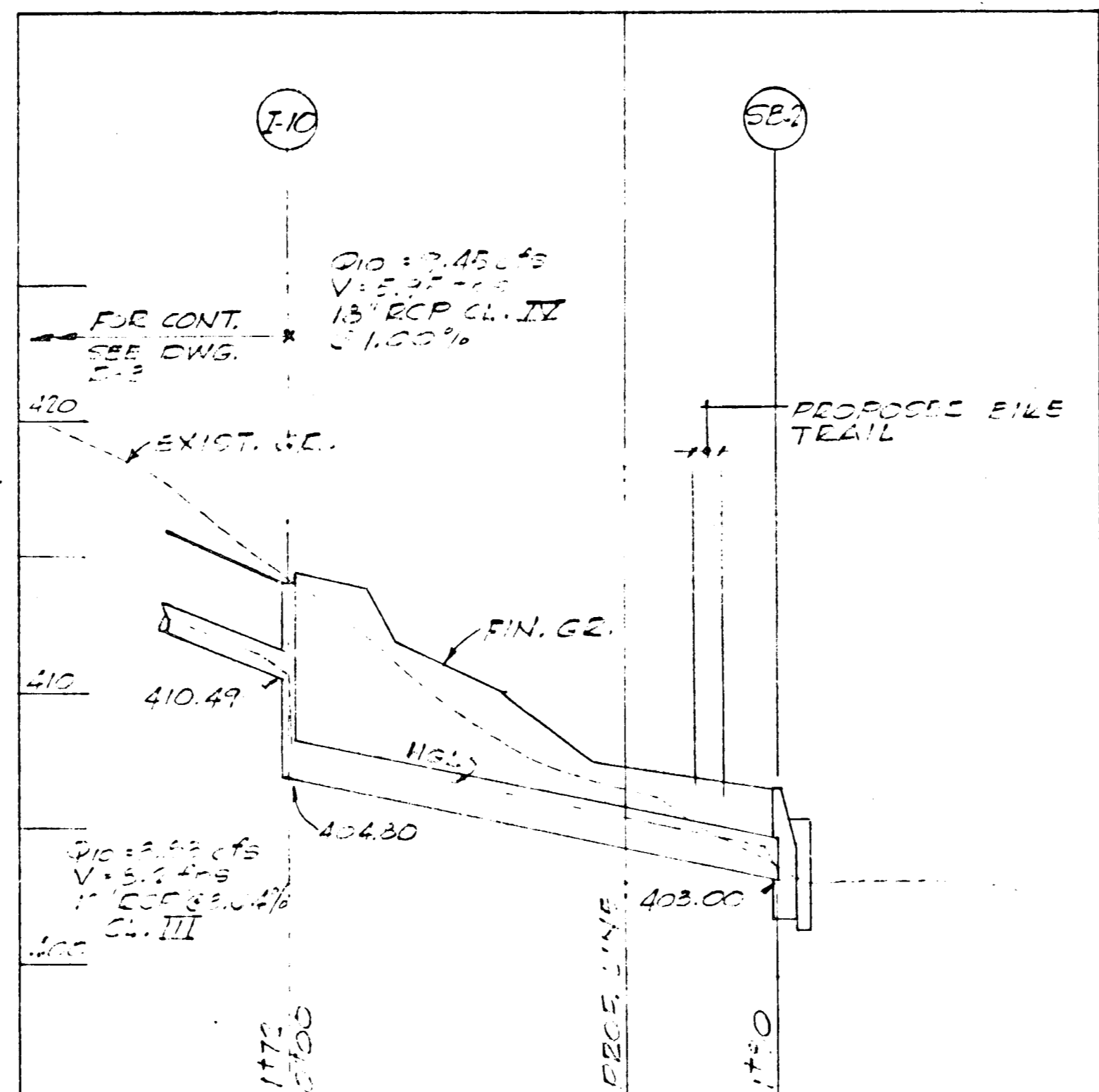
PLAN



SECTION A-A



PARTIAL PLAN
SCALE: 1"=30'



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

STILLING BASIN DETAILS

SCALE: 1"=10'

CERTIFIED BY THE PROFESSIONAL ENGINEER
I HEREBY CERTIFY THAT THE DESIGN AND CONSTRUCTION OF THE
STILLING BASIN AND OUTFALLS SET FORTH ON THESE PLANS
COMPLY WITH THE REQUIREMENTS OF THE MINNESOTA
WATER CONTROL ACT AND THE MINNESOTA
WATER POLLUTION CONTROL ACT.

DESIGNED BY: _____ DATE: _____
CHECKED BY: _____ DATE: _____

No.	Date	By	Description
Revisions			

Kamber & Watkins
CIVIL ENGINEERS
1000 W. WASHINGTON ST., SUITE 100
MINNEAPOLIS, MN 55402

**STILLING BASIN
OUTFALLS SB-2 & SB-3**

David M. Kamber

Date: 6/14/72	Drawing No.:
Designed By: EMK	D5
Drawn By: ML	Sheet: Of
Checked By:	Scale: AS NOTED