

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

James F. Knott 7-1-89
COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
James F. Knott 7/2/88
PLANNING DIRECTOR DATE

APPROVED DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT
James F. Knott 7/6/88
DATE

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

DIRECTOR DATE

CHIEF, BUREAU OF ENGINEERING 6/26/88 DATE

APARTMENT COMPLEX BOWLING BROOK FARMS PARCEL B-1 AND LOT 213

SITE TABULATION

EXISTING ZONING	RSA-8
TOTAL NUMBER OF LOTS	2
TOTAL AREA OF LOTS	19.5 AC.
PROPOSED USE	GARDEN APARTMENTS
NUMBER OF BUILDINGS (12 DU / BLDG.)	18
NUMBER OF DWELLING UNITS	216 D.U.
NUMBER OF HANDICAP UNITS	9 D.U.
PARKING - 216 D.U. AT 2 SP./UNIT (REQUIRED)	432 SP
TOTAL PARKING SPACES (PROVIDED)	432 SP
HANDICAPPED SPACES (REQUIRED)	10 SP.
HANDICAPPED SPACES (PROVIDED)	15 SP
OPEN SPACE (REQUIRED-20%)	3.9 AC.
OPEN SPACE (PROVIDED-89%)	17.3 AC.
AREA OF PUBLIC ROAD RIGHT OF WAY	0 AC.
BUILDING COVERAGE (ALLOWED-40%)	339,768 SF
BUILDING COVERAGE (PROPOSED-5%)	94,511 SF

THE APPROXIMATE LOCATION OF ALL UTILITIES IS SHOWN BASED ON INFORMATION OBTAINED FROM THE LABEL RECORDS. THE CONTRACTOR SHALL MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER/INSPECTOR AT THE CONTRACTOR'S EXPENSE.

CONTRACTOR SHALL LOCATE EXISTING UTILITIES A MINIMUM OF TWO (2) WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS IN THE VICINITY OF PROPOSED UTILITIES AT HIS OWN EXPENSE.

CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:

STATE HIGHWAY ADMINISTRATION - 531-5533
BALTIMORE GAS & ELECTRIC COMPANY - 561-2585
(CONTRACTOR SERVICES)
BALTIMORE GAS & ELECTRIC COMPANY - 234-6313
(UNDERGROUND DAMAGE CONTROL)
BALTIMORE GAS & ELECTRIC COMPANY - 298-9013
(TROUBLE SHOOTING)
"MISS UTILITY" - 800-257-7777
CHESAPEAKE & POTOMAC (CAP) TELEPHONE COMPANY - 725-9976
BUREAU OF UTILITIES/HOWARD COUNTY - 992-2366

THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION DIVISION 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK, AT 792-2630.

ALL DETAILS NOT SHOWN ON THE DRAWINGS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARD DETAILS.

ALL MATERIALS AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH HOWARD COUNTY SPECIFICATIONS AND HOWARD COUNTY DESIGN MANUAL, VOLUME IV.

ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, LATEST EDITION AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.

TREES SHALL BE PROTECTED FROM DAMAGE TO THE MAXIMUM EXTENT POSSIBLE. TREES SIX INCH (6") DIAMETER OR GREATER (MEASURED FOUR FEET (4') ABOVE EXISTING GRADE) ADJACENT TO THE LIMITS OF CONSTRUCTION SHALL NOT BE REMOVED OR DAMAGED BY THE CONTRACTOR.

ALL HORIZONTAL AND VERTICAL CONTROLS ARE BASED ON MARYLAND STATE PLANE COORDINATES SYSTEM PROVIDED BY HOWARD COUNTY.

TOPOGRAPHY TAKEN FROM MAPS PREPARED BY PHOTOGRAMMETRY BY "AERIAL SURVEYS" IN 1984. TOPOGRAPHY FIELD CHECKED 1986.

ALL PIPE ELEVATIONS ARE INVERT ELEVATIONS.

ALL ROADS SHALL BE PAVED IN ACCORDANCE WITH HOWARD COUNTY STANDARD DETAIL R-2 01 P-2.

STANDARD PARKING SPACES ARE 9' X 18' AND HANDICAPPED PARKING SPACES ARE 13' X 18' NOTED.

PARKING AREAS SHALL MEET ALL ZONING REGULATIONS AND ALL DEPARTMENT OF PUBLIC WORKS PAVING SPECIFICATIONS.

NUMBER OF PARKING SPACES PER BAY ARE INSCRIBED IN A BOX BY 9.

ALL STREET SIGNS SHALL CONFORM TO REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. THE FOLLOWING SIGNS ARE SHOWN ON THESE PLANS:

D3 - STREET IDENTIFICATION SIGN
R2-1 - SPEED LIMIT SIGN
R1-1 - STOP SIGN

THIS PROPERTY IS BOUNDED ON THE NORTH BY GORMAN ROAD ON THE EAST AND WEST BY THE REMAINDER OF LOT 2, OWNED BY GORMAN ROAD LIMITED PARTNERSHIP, ZONED RSA-8 AND ON THE SOUTH BY ROAD LIMITED PARTNERSHIP, ZONED RSA-8 AND ELECTRIC COMPANY ZONED RSA.

THIS SUBMISSION IS ZONED RSA-8.

ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.

THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALLS.

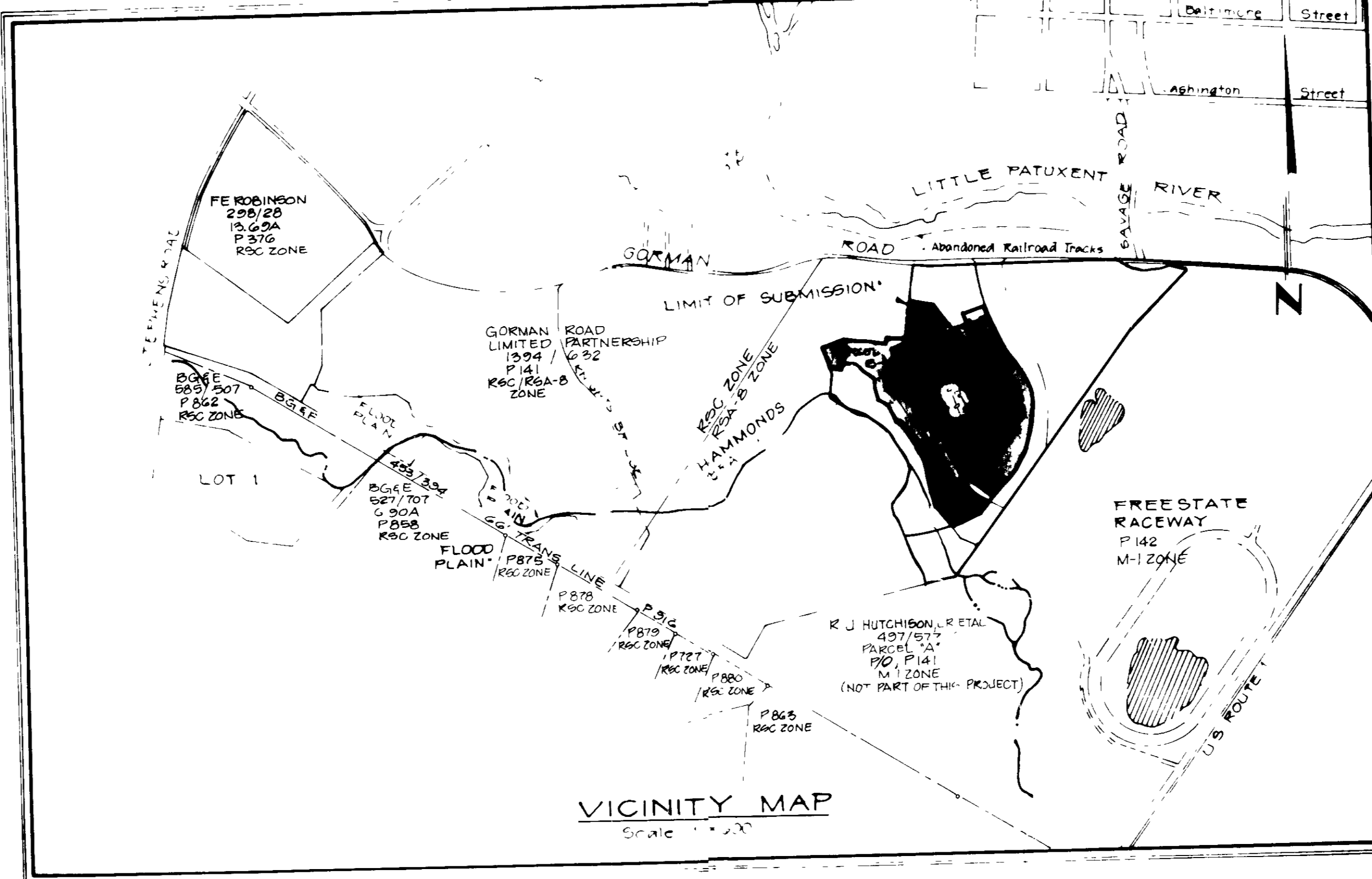
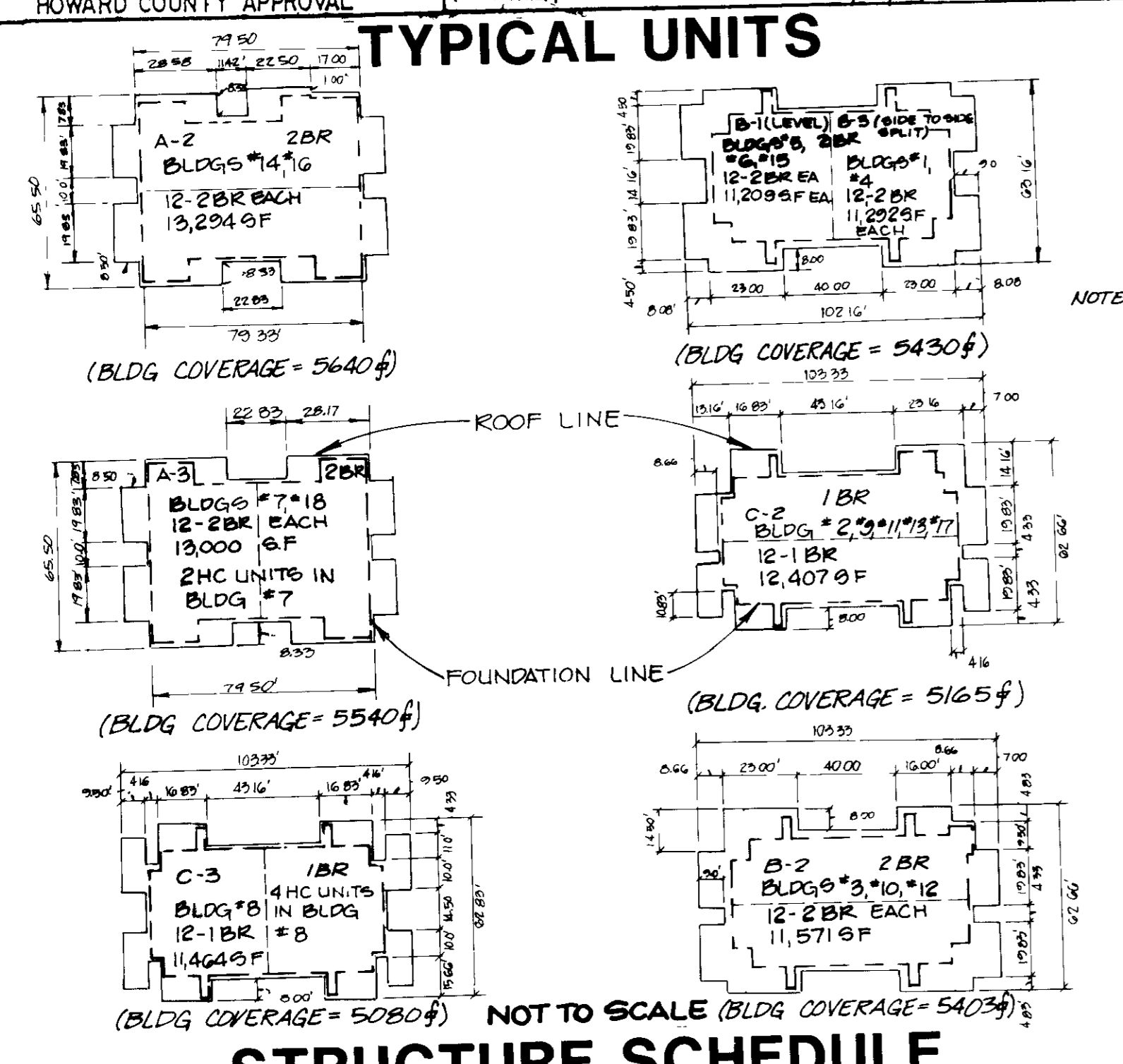
PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.

ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.

ALL STORM DRAIN PIPE BEDDING SHALL BE CLASS C.

FIRE LINES SHALL BE MARKED IN ACCORDANCE WITH TITLE 21 OF THE HOWARD COUNTY CODE AND WHERE DESIGNATED BY THE COMMENTS OF THE OFFICE OF FIRE ADMINISTRATION DATED OCTOBER 14, 1987.

ALL DWELLING UNITS SHALL BE PROTECTED BY QUICK RESPONSE RESIDENTIAL SPRINKLER SYSTEMS.



DENSITY TABULATION

RSA-8	GORMAN ROAD (PARCEL B)	SEC 2 (AREA J)	TOTAL
1 Gross Area	0.91	40.43	41.54
2 Floodplain/Steep Slopes	-	-	-
3 Net Area	0.91	40.63	41.54
4 No. of Dwelling Units Allowed (Based on Net Area)	7.20	325.04	332.24
5 Floodplain Lot Adjustment	-	-	-
6 Total No. of Dwelling Units Allowed	7.20	325.04	332.24
7 Total No. of Dwelling Units Proposed	0	216	216.00
8 Density Per Acre	0	5.26	5.20

DENSITY TABULATION

RSC	GORMAN ROAD (PARCEL B)	SEC 2 (AREA J)	TOTAL	
1 Gross Area	0.96	19.30	20.26	
2 Floodplain/Steep Slopes	-	1.64	9.12	10.76
3 Net Area	0.96	17.66	37.17	38.14
4 No. of Dwelling Units Allowed (Based on Net Area)	0.64	17.66	127.78	129.96
5 Floodplain Lot Adjustment	-	1.64	2.85	4.53
6 Total No. of Dwelling Units Allowed	0.64	17.66	141.33	142.37
7 Total No. of Dwelling Units Proposed	0	66	13.18	19.8
8 Density Per Acre	0	3.42	3.26	3.32

*DENSITY PER ACRE WILL NOT VIOLATE THAT IMPOSED BY ZONING REGULATIONS OR RECORDS BASED UPON UNDEVELOPED AREAS FROM PREVIOUSLY DEVELOPED PARCELS.

- ### INDEX TO DRAWINGS
- TITLE SHEET
 - SITE DEVELOPMENT PLAN
 - SITE DEVELOPMENT PLAN
 - SITE DEVELOPMENT PLAN
 - STORM DRAIN PROFILES
 - DRIVEWAY PROFILES
 - SEWER PROFILES
 - SEWER PROFILES
 - DETAIL SHEET (SDP)
 - DETAIL SHEET (SDP)
 - LANDSCAPE PLAN
 - LANDSCAPING AND LIGHTING PLAN
 - DETAIL SHEET (ESAC)
 - EROSION AND SEDIMENT CONTROL PLAN
 - EROSION AND SEDIMENT CONTROL PLAN
 - EROSION AND SEDIMENT CONTROL PLAN
 - EROSION AND SEDIMENT CONTROL PLAN
 - DRAINAGE AREA MAP

STRUCTURE SCHEDULE

NO.	TYPE	INV. IN	INV. OUT	UPPER END	LOWER END	HO. CO. STD.	C LOCATION
I-1	A-10 INLET	226.05	226.45	230.85	230.85	SD 402	SEE PLAN
I-2	A-10 INLET	228.01	232.03	232.03	232.03	SD 402	C 027.85, 14'L
I-3	A-10 W/DEF	216.15	219.69	219.69	219.69	SD 401	C 027.85, 14'L
I-4	A-5 W/DEF	216.15	219.69	219.69	219.69	SD 401	A 014.1, 4'L
I-5	A-5 W/DEF	211.05	210.90	215.07	215.07	SD 401	A 014.1, 4'L
I-6	A-5 W/DEF	212.31	211.56	215.07	215.07	SD 401	A 014.1, 4'L
I-7	A-10 INLET	215.01	215.75	219.69	219.69	SD 401	B 21.04, 4, 12'L
I-8	A-6 INLET	215.01	215.01	219.70	219.68	SD 402	C 015.1, 14'R
I-9	A-10 W/DEF	220.95	220.45	225.11	224.77	SD 401	C 015.1, 14'R
I-10	A-5 W/DEF	221.25	221.25	224.63	224.44	SD 401	C 015.1, 14'R
I-11	A-10 W/DEF	210.25	209.50	213.69	213.24	SD 401	C 015.1, 14'R
I-12	A-5 W/DEF	209.00	208.50	213.55	213.34	SD 401	C 015.1, 14'R
M-8	MANHOLE	216.45	215.95	215.78	215.58	SD 6 B 12	C 027.10, 14'R

SITE DEVELOPMENT PLANS 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SQUARE FOOT LIVING AREA

BLDG NO	1 BR	2 BR	APPT. X 2 BR FT	TOTAL
1	12	12	941	1,034
2	12	12	964	941
3	12	12	934	934
4	12	12	934	934
5	12	12	955	1,033
6	12	12	1,304	1,304
7	12	12	1,304	1,304
8	12	12	1,304	1,304
9	12	12	1,304	1,304
10	12	12	1,304	1,304
11	12	12	1,304	1,304
12	12	12	1,304	1,304
13	12	12	1,304	1,304
14	12	12	1,304	1,304
15	12	12	1,304	1,304
16	12	12	1,304	1,304
17	12	12	1,304	1,304
18	12	12	1,304	1,304
Total	72 D.U.	144 D.U.		

PIPE SCHEDULE

SIZE	TYPE	CLASS	LENGTH
15" SD	RCP	IV	47'
15" SD	RCP	IV	108'
18" SD	RCP	IV	130'
21" SD	RCP	IV	28'
24" SD	RCP	IV	41'
8" S	PVC		1031'

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT

James F. Knott 4/2/88
SIGNATURE DATE

SEDIMENT CONTROL MEASURE FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH ARTICLE 15 OF THE STANDARD SPECIFICATIONS

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

James F. Knott 4/2/88
APPROVED DATE

OWNER/DEVELOPER
GORMAN ROAD LIMITED PARTNERSHIP
C/O JAMES F. KNOTT
DEVELOPMENT CORPORATION
310 WEST ROAD, SUITE 203
TOWSON, MARYLAND 21204
(801) 321-6436

TITLE SHEET

Patton Harris Rust and Associates
A Professional Corporation
Engineers, Surveyors, Planners and Landscape Architects
7609 STANDISH PLACE ROCKVILLE MD. 20855 (301) 762-2220

BOWLING BROOK FARMS PARCEL B-1 AND LOT 213

A RESUBDIVISION OF BOWLING BROOK, LOT 2
SIXTH ELECTION DISTRICT
TAX MAP 47 PARCEL 141
L 1394 F 632

SURVEY	DATE
DESIGN MJK	9/14/87
DRAWN JDW/JCB	SHEET
CHECKED	1 OF 10
SCALE AS NOTED	FILE NO.
C.L.	2184-1-0

NO.	DESCRIPTION	DATE	APPROVED	DATE
1	REVISED PER HO CO			

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT

[Signature] 7-1-88
COUNTY HEALTH OFFICER DATE

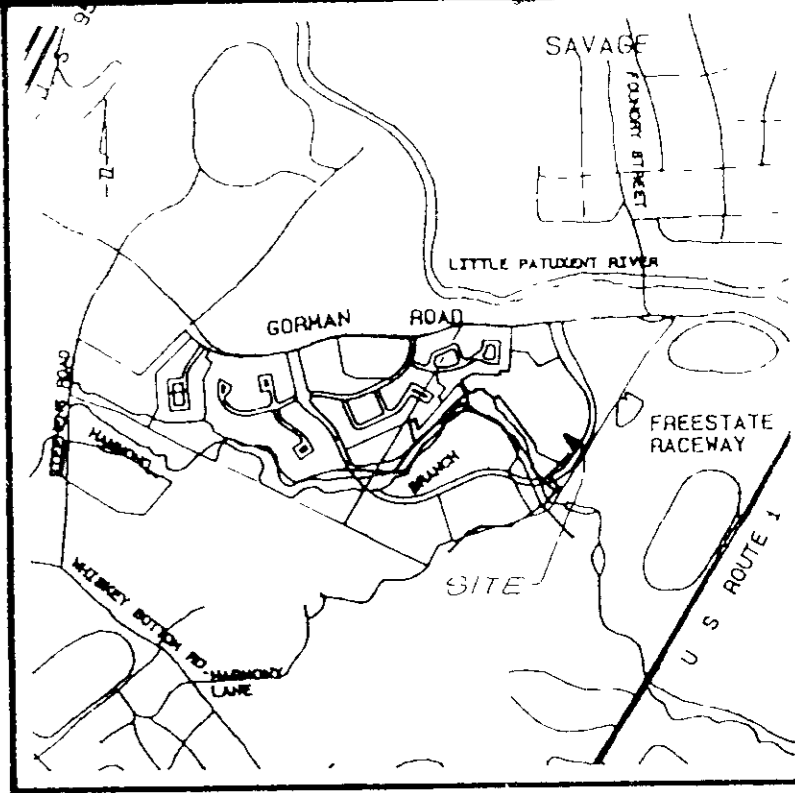
APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
[Signature] 7/3/88
PLANNING DIRECTOR DATE

APPROVED DIVISION OF COMMUNITY
[Signature] 7/8/88
PLANNING AND LAND DEVELOPMENT DATE

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM
DRAINAGE SYSTEMS, & PUBLIC ROADS
[Signature]
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR DATE

CHIEF, BUREAU OF ENGINEERING *[Signature]* 6/16/88 DATE

1-22-88
LKS
HOWARD COUNTY APPROVAL



VICINITY MAP
SCALE: 1" = 2000'

PARCEL B-2
BOWLING BROOK FARMS
ZONING: RSA-8
GORMAN ROAD LIMITED PARTNERSHIP

ADDRESS CHART

BLDG NUMBER	STREET ADDRESS
1	0000, 0002, 0004 & 0006 KNIGHTS BRIDGE RD
2	0020, 0022, 0024 & 0026 KNIGHTS BRIDGE RD
3	0040, 0042, 0044 & 0046 KNIGHTS BRIDGE RD
4	0060, 0062, 0064 & 0066 KNIGHTS BRIDGE RD
5	0080, 0082, 0084 & 0086 KNIGHTS BRIDGE RD
6	0100, 0102, 0104 & 0106 KNIGHTS BRIDGE RD
7	0120, 0122, 0124 & 0126 KNIGHTS BRIDGE RD
8	0140, 0142, 0144 & 0146 KNIGHTS BRIDGE RD
9	0160, 0162, 0164 & 0166 KNIGHTS BRIDGE RD
10	0180, 0182, 0184 & 0186 KNIGHTS BRIDGE RD
11	0200, 0202, 0204 & 0206 KNIGHTS BRIDGE RD
12	0220, 0222, 0224 & 0226 KNIGHTS BRIDGE RD
13	0240, 0242, 0244 & 0246 KNIGHTS BRIDGE RD
14	0260, 0262, 0264 & 0266 KNIGHTS BRIDGE RD
15	0280, 0282, 0284 & 0286 KNIGHTS BRIDGE RD
16	0300, 0302, 0304 & 0306 KNIGHTS BRIDGE RD
17	0320, 0322, 0324 & 0326 KNIGHTS BRIDGE RD
18	0340, 0342, 0344 & 0346 KNIGHTS BRIDGE RD

PARCEL E, AREA 2
BOWLING BROOK FARMS
ZONING: RSA-8/RSC
GORMAN ROAD LIMITED PARTNERSHIP

CURVE NO	DELTA	RADIUS	LENGTH	TANGENT	CHORD	CHORD BEARING
1	22°53'	1300	167.48	83.86	167.37	S62°37'20"W
2	14°28'00"	400	101.00	50.77	100.73	S38°18'00"E
3	36°08'04"	405	255.42	132.12	251.21	S27°27'58"E
4	36°13'28"	300	189.67	98.13	186.53	N59°53'45"W
5	15°15'04"	400	106.47	53.55	106.16	N25°26'34"W
6	13°42'59"	400	93.43	46.93	93.22	N22°56'50"W
7	24°00'00"	250	104.72	53.14	103.96	N35°41'07"W
8	24°00'00"	314	131.53	66.74	130.57	S35°41'07"E
9	28°25'29"	1075	306.59	193.34	300.57	N25°58'10"W

NO	BEARING	DISTANCE
1	S58°56'00"W	125.00
2	S58°56'00"W	139.08
3	S66°18'53"W	70.53
4	S31°04'00"E	39.55
5	S45°32'00"E	17.92
6	S09°23'56"E	46.00
7	N58°02'29"W	30.00
8	N58°02'29"W	136.87
9	N21°49'01"W	137.32
10	N37°04'06"W	65.52
11	N23°41'07"W	68.07
12	N23°41'07"W	83.54
13	N47°41'07"W	73.65
14	N47°18'53"E	64.00
15	S47°41'07"E	73.65
16	S23°41'07"E	23.54
17	S37°41'07"E	46.00

PARCEL M
BOWLING BROOK FARMS
ZONING: RSA-8
GORMAN ROAD LIMITED PARTNERSHIP

LIMITS OF SUBMISSION
N 85° 41' 07" W 170.83'

NOTE
• SEE SHEET 3 FOR DETAIL OF DUMPSTER LOCATION AND DUMPSTER PAD
• SEE SHEET 10 FOR DETAIL OF WOODEN FENCE AROUND DUMPSTER

NOTE
• ALL ROADS AND PARKING AREA SHALL BE PAVED IN ACCORDANCE WITH HO CO STD DETAIL R2 01, P-2
• ALL RADII 5' UNLESS OTHERWISE NOTED
• 3" WATER METERS TO BE INSTALLED INSIDE THE BUILDINGS.

NOTE
• TO BE CONSTRUCTED UNDER TOP OF 12" FOR FUTURE CONNECTION TO 12" (12" DIA) (12" DIA) (12" DIA)

NOTE
• PROVIDE TWO OPENINGS IN CURB FOR DRAINAGE

NOTE
• 8'x10' TYP PAD DUMPSTER PER HO CO STD R11 01

NOTE
• TYP DUMPSTER LOCATION PER HO CO STD FIGURE 2 26

LIMITS OF SUBMISSION
EXISTING BUILDING & FENCES PREVIOUSLY REMOVED UNDER DEMOLITION PERMIT # 1752 dated 5/20/81

EXISTING EARTHEN DRIVE TO BE REMOVED

MATCH LINE SEE SHEET A

MATCH LINE SEE SHEET 3

OWNER/DEVELOPER
GORMAN ROAD LIMITED PARTNERSHIP
C/O JAMES F. KNOTT
DEVELOPMENT CORPORATION
110 WEST ROAD, SUITE 203
TOWSON, MARYLAND 21204
(801) 321-6436

NO	DESCRIPTION	DATE	APPROVED	DATE
3	REVISED PER HO CO	4-2-88		
2	CHANGE W/C FROM 12" TO 10"			
1	CHANGE W/C FROM 12" TO 10"			



REVISION APPROVED BY

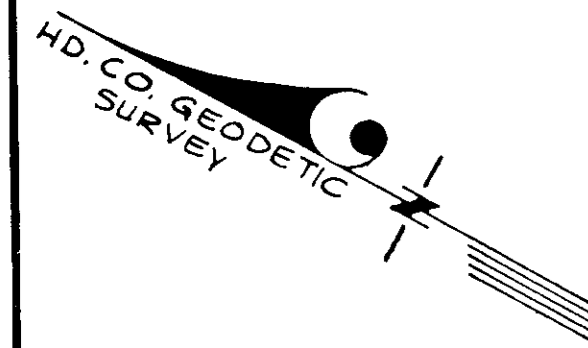
SITE DEVELOPMENT PLAN



Patton Harris Rust and Associates
A Professional Corporation
Engineers, Surveyors, Planners and Landscape Architects
7609 STANDISH PLACE ROCKVILLE MD. 20855 (301) 762-2220

**BOWLING BROOK FARMS
PARCEL B-1 AND LOT 213**
A RESUBDIVISION OF BOWLING BROOK, LOT 2
SIXTH ELECTION DISTRICT
TAX MAP 47 PARCEL 141
L 1394 F 632

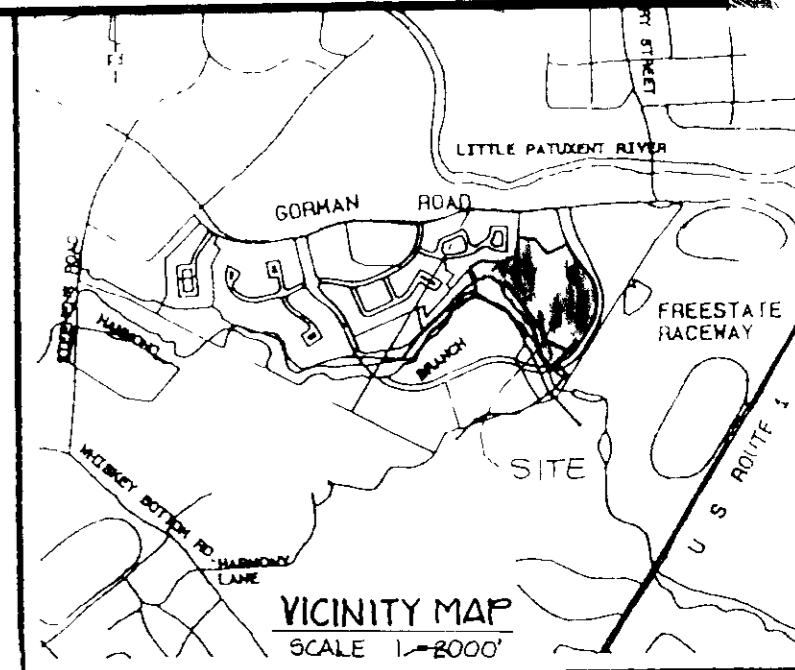
SURVEY	DATE
DESIGN MJK	9-14-87
DRAWN J.D.W. & G.L.	SHEET 2 OF 10
CHECKED	FILE NO 2104-1-0
SCALE 1" = 30'	
C.I. 2'	



PARCEL M
BOWLING BROOK FARMS
ZONING: RSA-8
GORMAN ROAD LIMITED OF PARTNERSHIP

NOTE:
 ALL RADII 5' UNLESS
 OTHERWISE NOTED

1-22-88
 AFS



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM
 HOWARD COUNTY HEALTH DEPARTMENT

James M. [Signature] 7-1-88
 COUNTY HEALTH OFFICER DATE

James S. [Signature] 7/10/88
 PLANNING DIRECTOR DATE

James S. [Signature] 7/10/88
 PLANNING DIVISION OF COMMUNITY
 PLANNING AND LAND DEVELOPMENT DATE

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

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 [Signature] DATE

CHIEF, BUREAU OF ENGINEERING 6/26/88 DATE

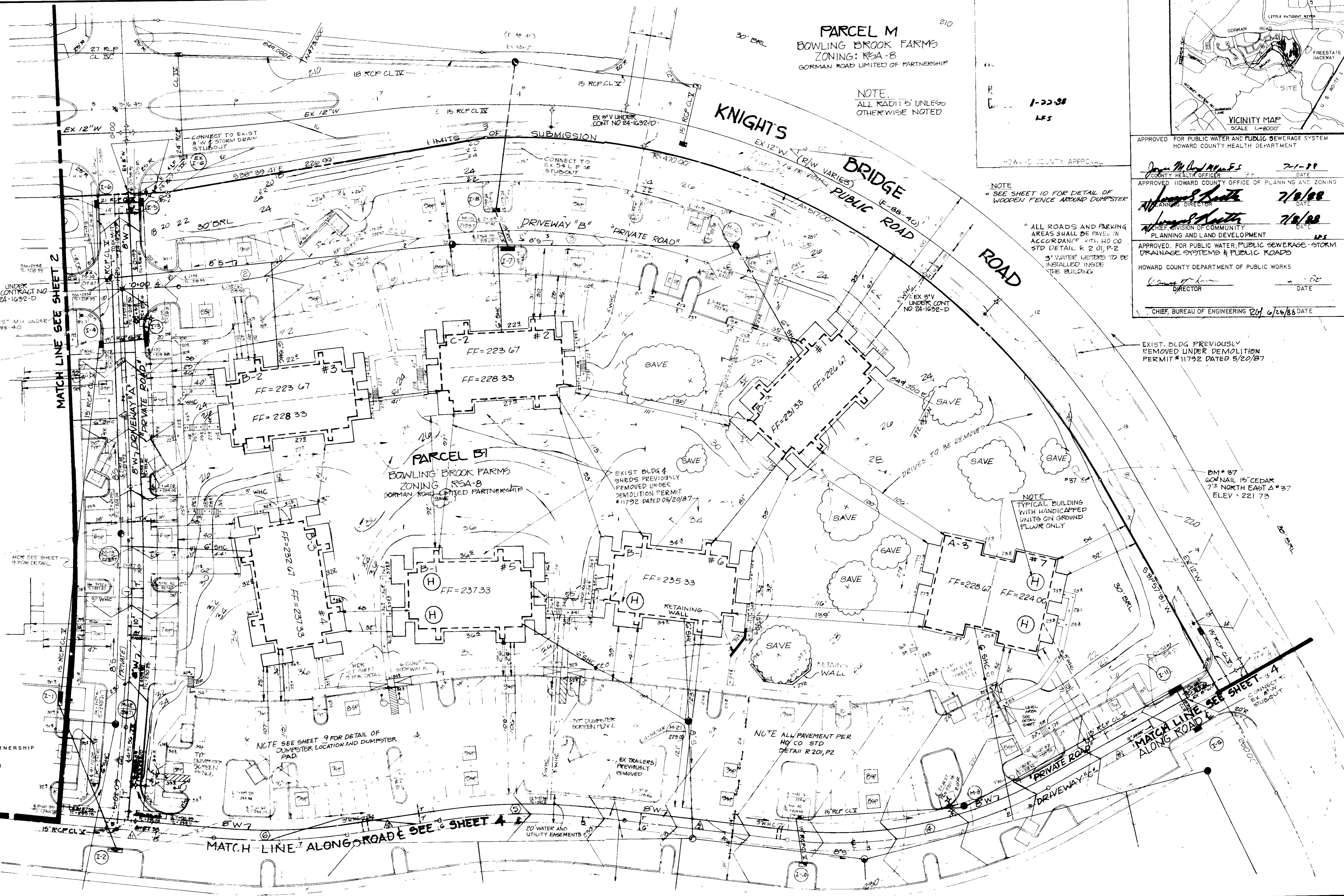
NOTE
 SEE SHEET 10 FOR DETAIL OF
 WOODEN FENCE AROUND DUMPSTER

ALL ROADS AND PARKING
 AREAS SHALL BE PAVED IN
 ACCORDANCE WITH HQ CO
 STD DETAIL R 201, P-2
 3" WATER METERS TO BE
 INSTALLED INSIDE
 THE BUILDING

EXIST. BLDG. PREVIOUSLY
 REMOVED UNDER DEMOLITION
 PERMIT #11792 DATED 5/20/87

BM # 37
 60" NAIL 15" CEDAR
 7'5" NORTH EAST Δ # 37
 ELEV. = 221.73

NOTE
 TYPICAL BUILDING
 WITH HANDICAPPED
 UNITS ON GROUND
 FLOOR ONLY



OWNER/DEVELOPER
 GORMAN ROAD LIMITED PARTNERSHIP
 C/O JAMES F. KNOTT
 DEVELOPMENT CORPORATION
 110 WEST ROAD, SUITE 203
 TOWSON, MARYLAND 21204
 (301) 371-6436

NOTE SEE SHEET 9 FOR DETAIL OF
 DUMPSTER LOCATION AND DUMPSTER
 PAD

NOTE ALL PAVEMENT PER
 HQ CO STD
 DETAIL R 201, P2

MATCH LINE ALONG ROAD SEE SHEET 4

MATCH LINE SEE SHEET 3 4
 ALONG ROAD 2
 CONNECT TO
 EX 12" W
 STUBOUT

NO.	DESCRIPTION	DATE	APPROVED	DATE
3	REVISED PER HQ CO			
2	CHANGE FROM PERMITS TO MK			
1	CHANGE FROM PROJ 2 TO 212 MK			



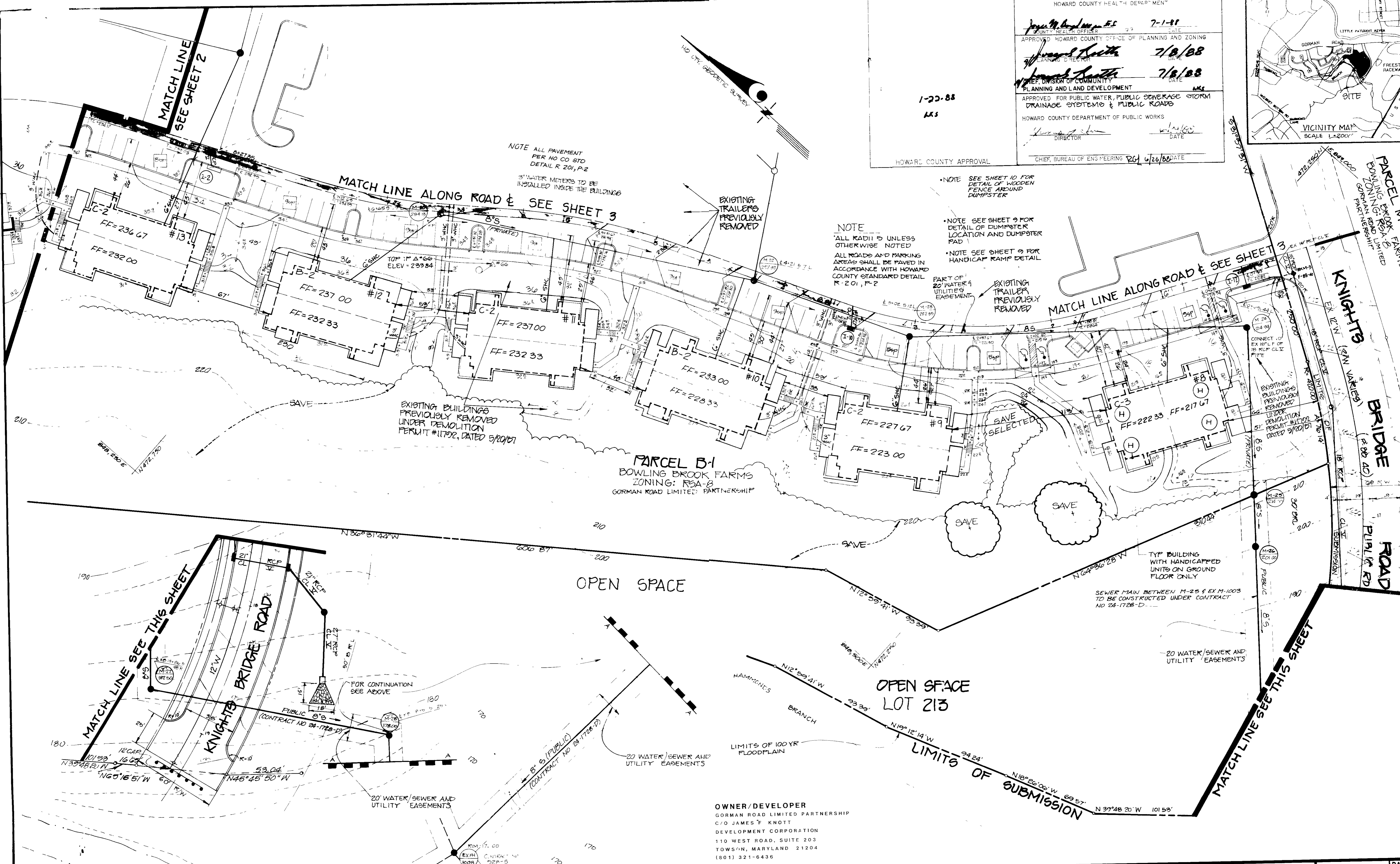
SITE DEVELOPMENT PLAN

Patton Harris Rust and Associates
 A Professional Corporation
 Engineers, Surveyors, Planners and Landscape Architects
 7609 STANDISH PLACE ROCKVILLE MD 20855 (301) 762-2220

BOWLING BROOK FARMS
PARCEL B-1 AND LOT 213
 A RESUBDIVISION OF BOLLING BROOKE, LOT 2
 SIXTH ELECTION DISTRICT
 TAX MAP 47 PARCEL 141

SURVEY	DATE
DESIGN MJK	9-14-87
DRAWN J.D.W./G...	SHEET
CHECKED	3 OF 10
SCALE 1" = 30'	FILE NO.

SDA-88-51



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

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING

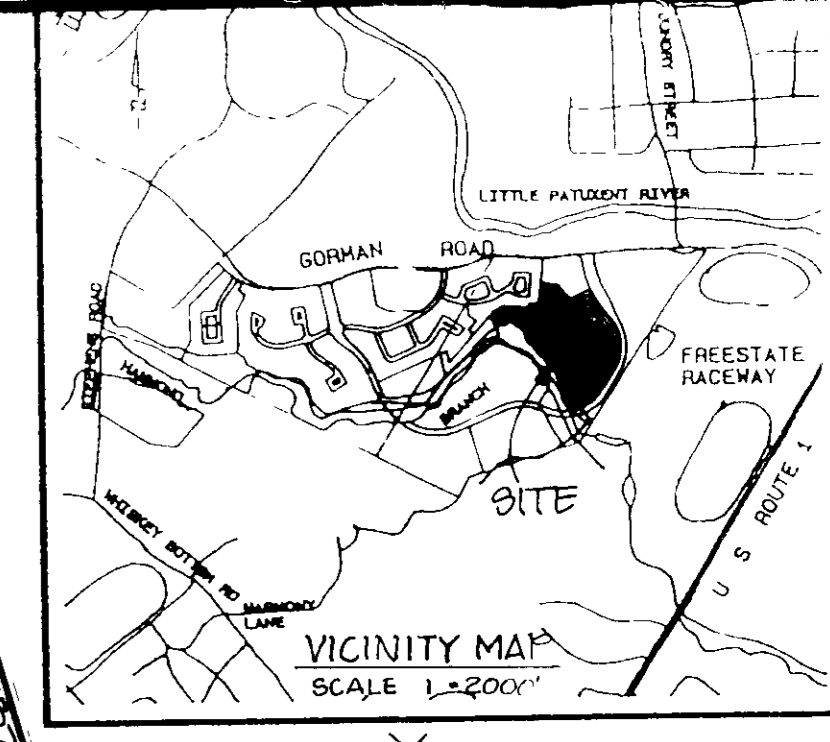
APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

1-22-88
AKS

HOWARD COUNTY APPROVAL

CHIEF, BUREAU OF ENGINEERING 261 6/26/88 DATE



NO.	DESCRIPTION	DATE	APPROVED	DATE
3	REVISED PER HO CO	4-5-88		
2	CHANGE W/L FROM 2 1/2 TO 3'		MJK	
1	CHANGE W/L FROM 2' TO 3'		MJK	

REVISION APPROVED BY



REVISED

SITE DEVELOPMENT PLAN

Patton Harris Rust and Associates
A Professional Corporation
Engineers, Surveyors, Planners and Landscape Architects
7609 STANDISH PLACE ROCKVILLE MD. 20855 (301) 762-2220

BOWLING BROOK FARMS
PARCEL B-1 AND LOT 213
A RESUBDIVISION OF BOWLING BROOK LOT 2
WITH EASEMENT DIST.

SURVEY	DATE
DESIGN MJK	9-14-87
DRAWN JDW/GL	SHEET
CHECKED	4 of 18
SCALE 1"=30'	FILE NO.
CI 2	2-1-88

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM
 HOWARD COUNTY HEALTH DEPARTMENT

James M. ... 7-1-88
 COUNTY HEALTH OFFICER DATE

James ... 7/8/88
 PLANNING DIRECTOR DATE

James ... 7/8/88
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

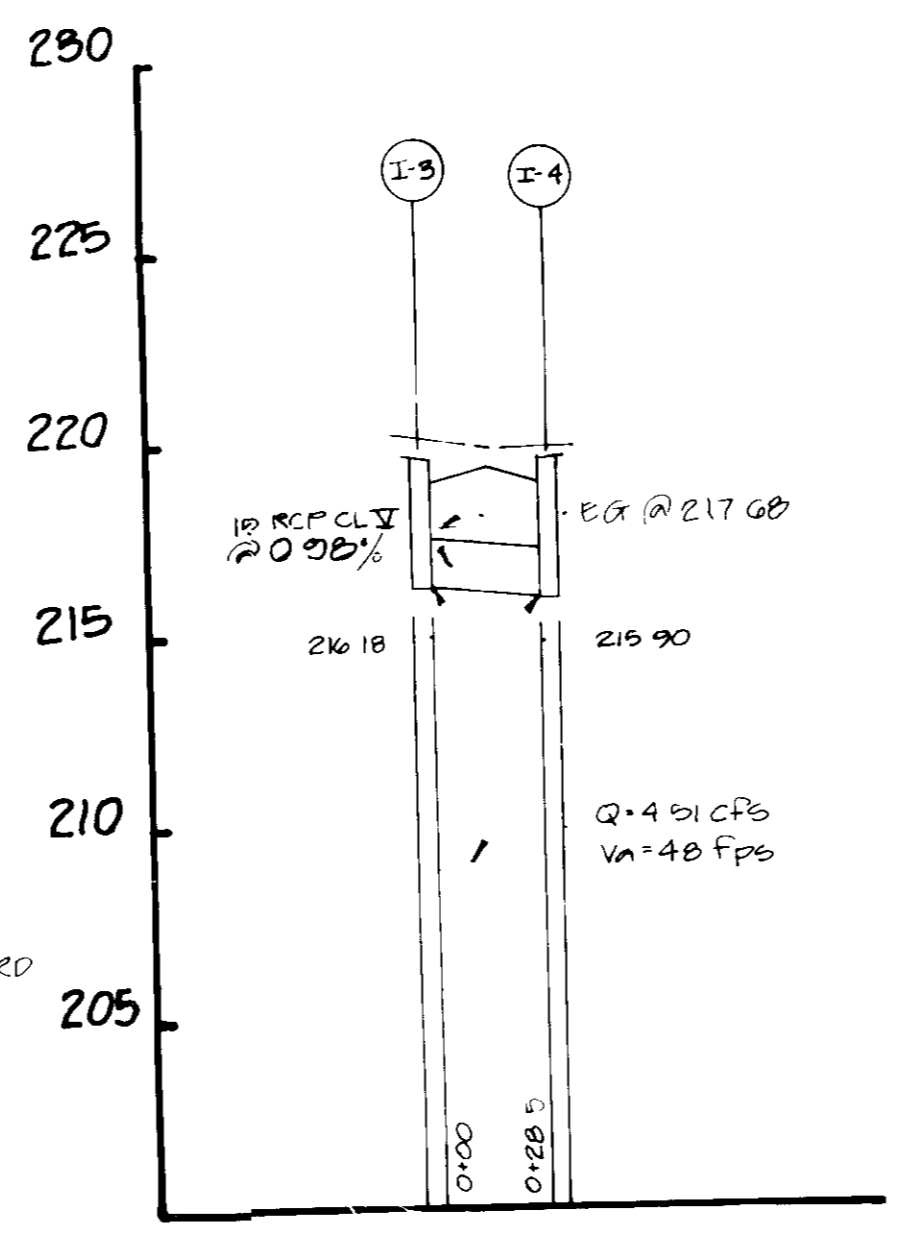
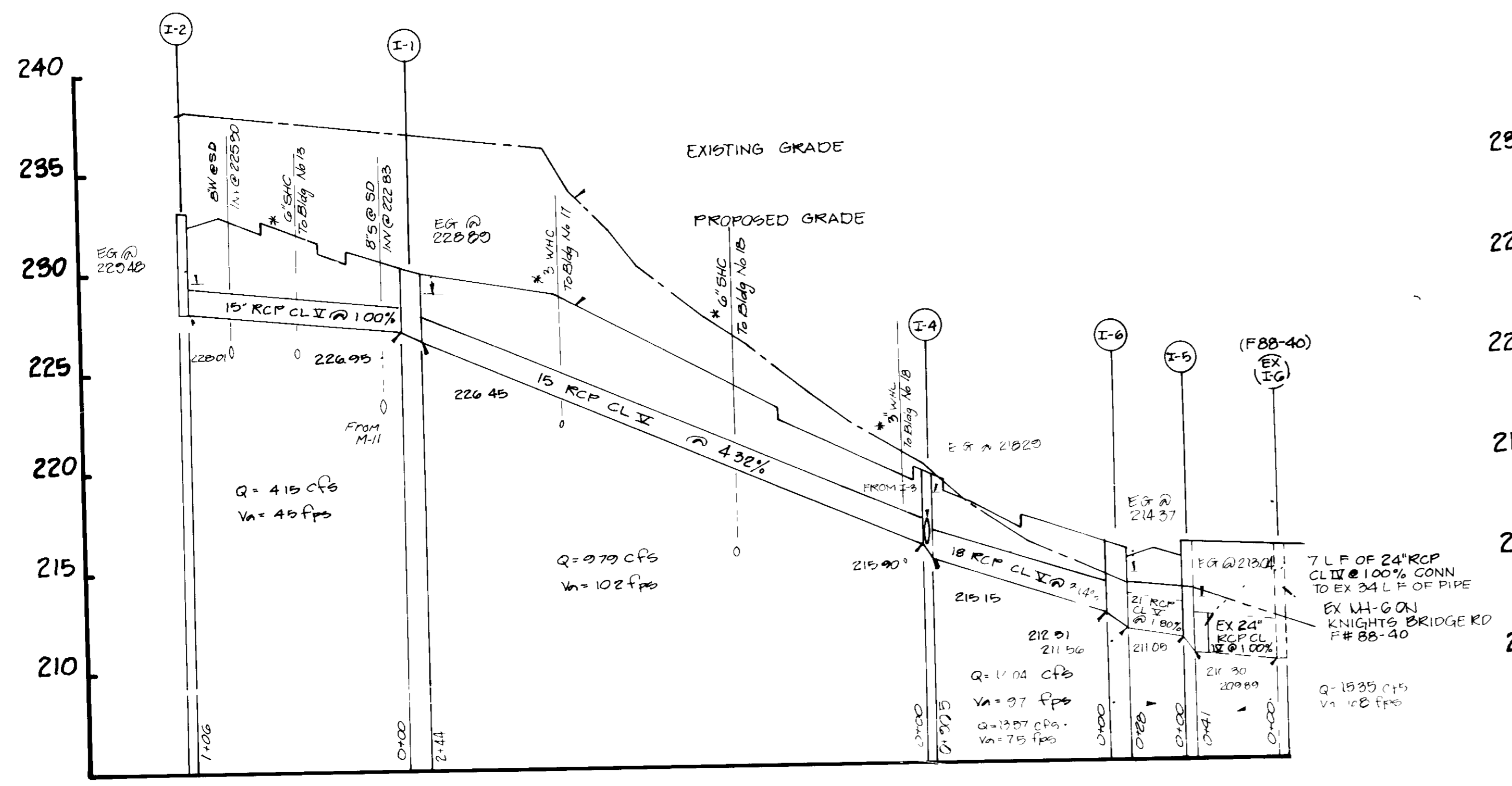
APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS.
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

James ... 6/26/88
 DIRECTOR DATE

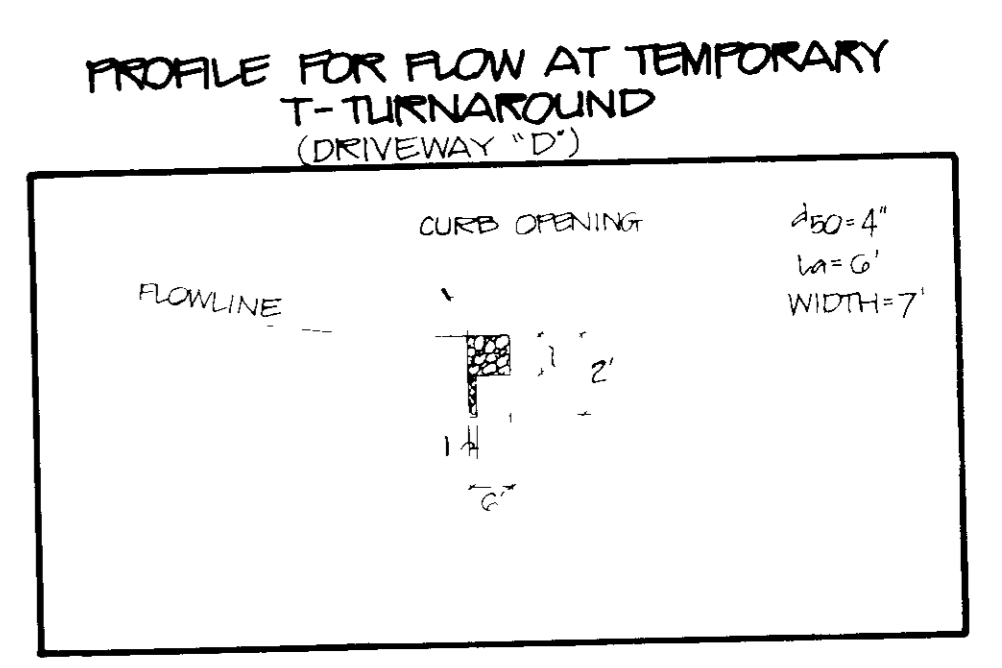
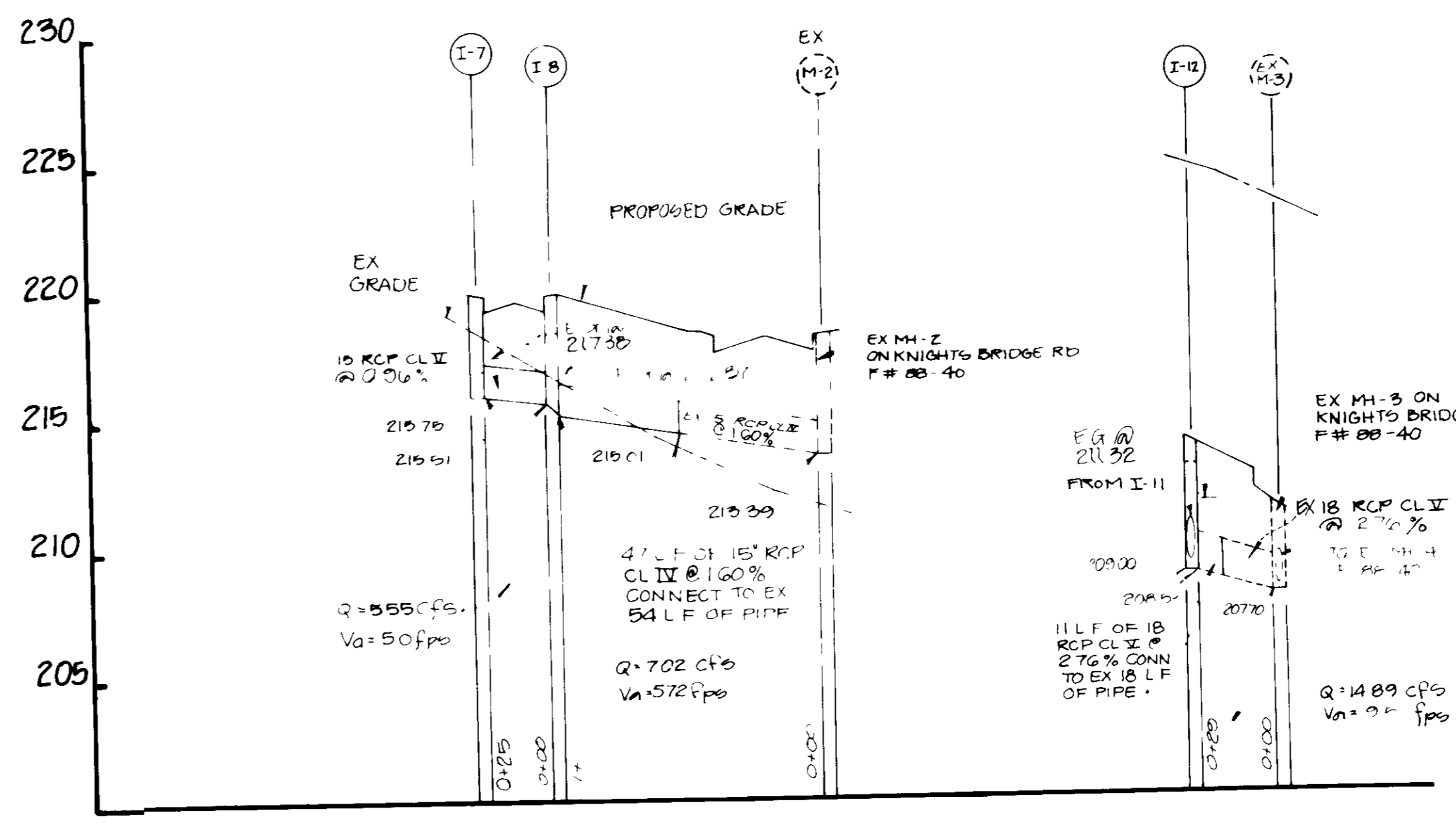
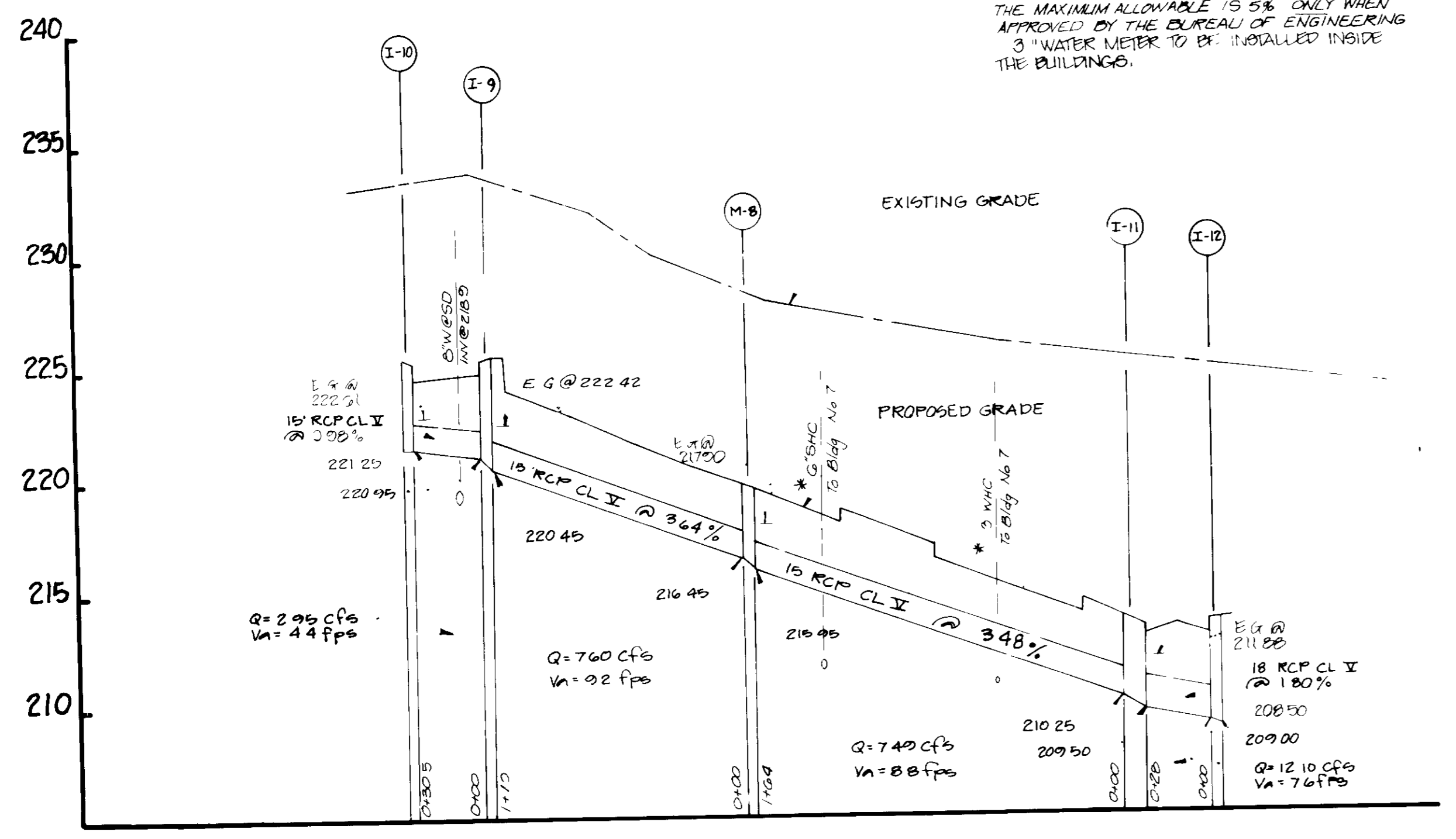
CHIEF, BUREAU OF ENGINEERING 6/26/88 DATE

1-22-88
 LKS

HOWARD COUNTY APPROVAL



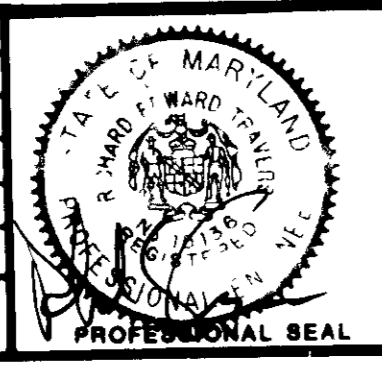
* THE VERTICAL LOCATIONS SHOWN ON THE PROFILE FOR 3" SHC'S WHICH ARE APPROXIMATE THE 3" SHC'S WHICH SHALL CLEAR STORM DRAIN PIPES BY A MIN. OF ONE (1) FOOT. THE 3" SHC'S SLOPE FOR SHC IS 2% AND THE MAXIMUM ALLOWABLE IS 5% ONLY WHEN APPROVED BY THE BUREAU OF ENGINEERING 3" WATER METER TO BE INSTALLED INSIDE THE BUILDINGS.



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

OWNER/DEVELOPER
 GORMAN ROAD LIMITED PARTNERSHIP
 C/O JAMES F. KNOTT
 DEVELOPMENT CORPORATION
 110 WEST ROAD, SUITE 203
 TOWSON, MARYLAND 21284
 (801) 321-8436

NO.	DESCRIPTION	DATE	APPROVED	DATE
2	REVISED PER NO. 00			4-5-88
1	CHANGE WAC FROM 2" TO 2 1/2" WAC			



STORM DRAIN PROFILES

Patton Harris Rust and Associates
 A Professional Corporation
 Engineers, Surveyors, Planners and Landscape Architects
 7609 STANDISH PLACE ROCKVILLE MD. 20855 (301) 762-2220

BOWLING BROOK FARMS
PARCEL B-1 AND LOT 13
 A RESUBDIVISION OF BOWLING BROOKE, LOT 2
 SIXTH ELECTION DISTRICT
 TAX MAP 47 PARCEL 141
 L 1394 F 632

SURVEY	DATE
DESIGN MJK	9-14-87
DRAWN J D W	SHEET
CHECKED	5 OF 10
SCALE AS SHOWN	FILE NO.
C.I.	2184-1-0

SDA-88-51

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM,
HOWARD COUNTY HEALTH DEPARTMENT

James M. ... 7-1-89
COUNTY HEALTH OFFICER DATE

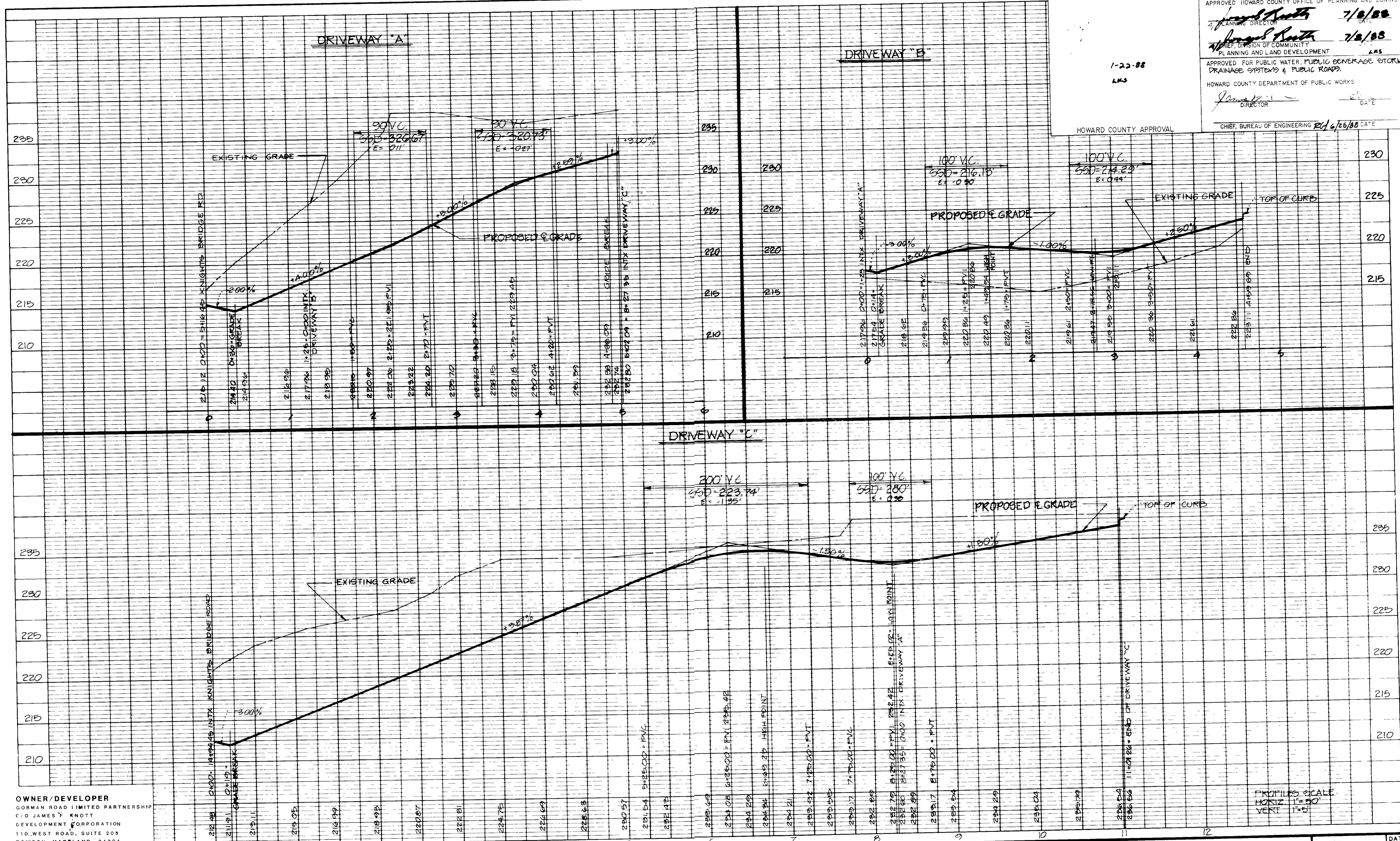
James M. ... 7/2/88
APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
PLANNING DIRECTOR DATE

James M. ... 7/2/88
APPROVED DIVISION OF COMMUNITY
PLANNING AND LAND DEVELOPMENT
DATE

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

James M. ... 7/2/88
DIRECTOR DATE

HOWARD COUNTY APPROVAL
CHIEF, BUREAU OF ENGINEERING 7/2/88 DATE



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT

James M. [Signature] 7-1-87
COUNTY HEALTH OFFICER DATE

APPROVED, HOWARD COUNTY OFFICE OF PLANNING AND ZONING
James M. [Signature] 7/8/88
PLANNING DIRECTOR DATE

James M. [Signature] 7/8/88
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE *LKS*

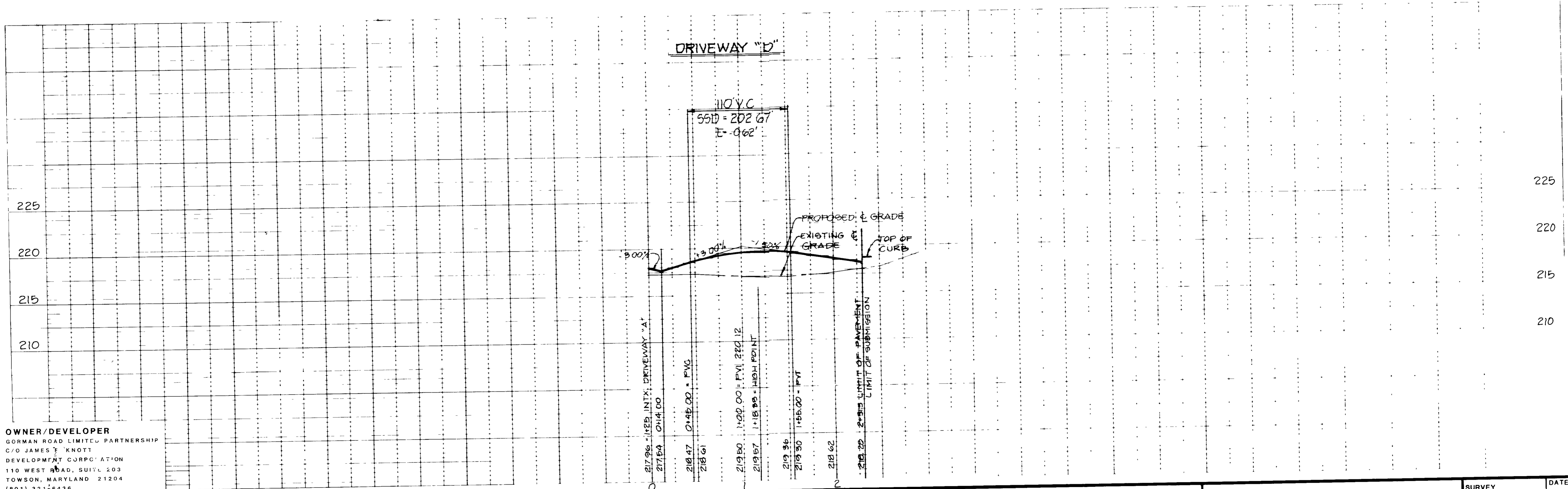
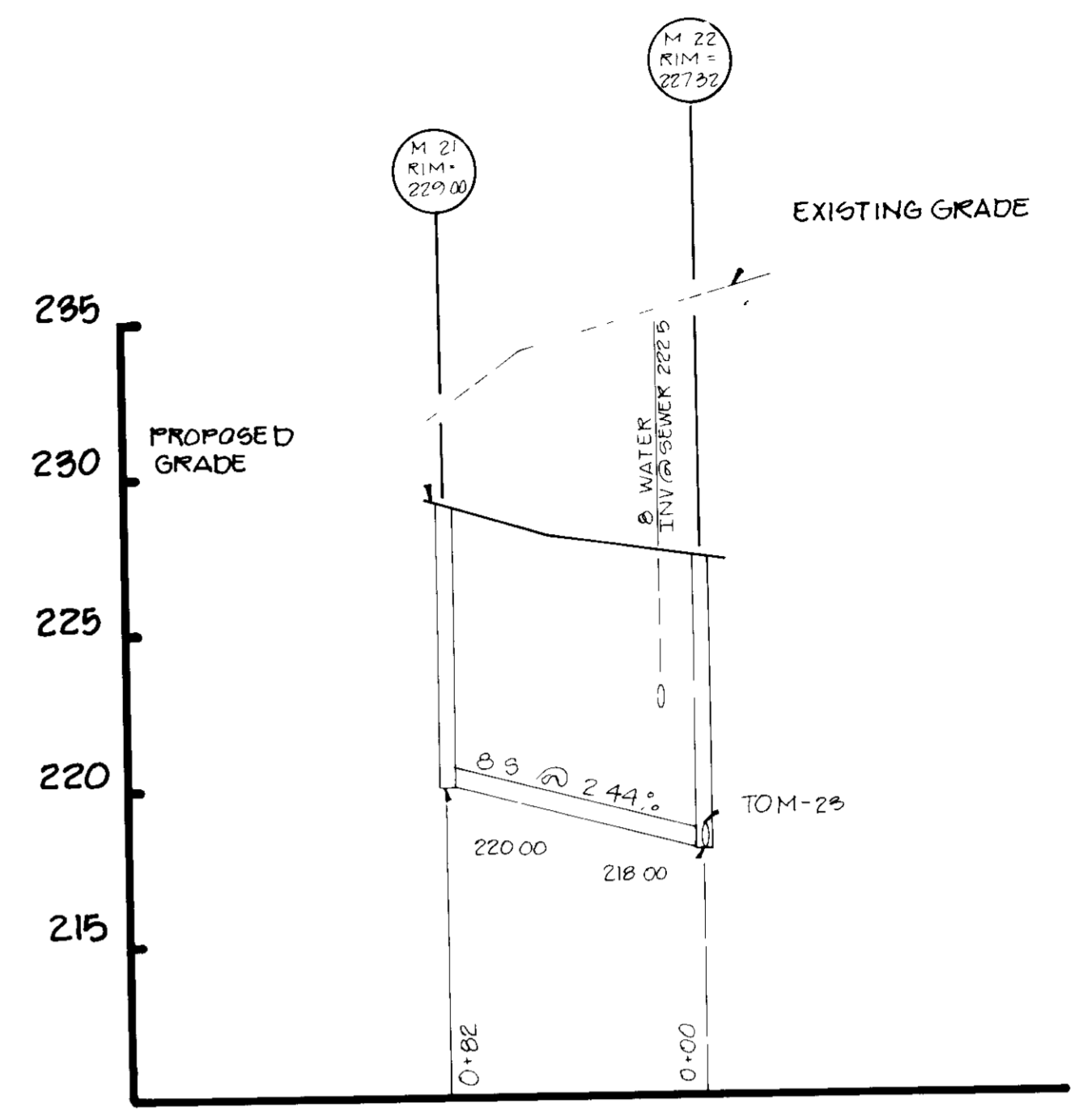
APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

James M. [Signature] 6/29/88
DIRECTOR DATE

CHIEF, BUREAU OF ENGINEERING *Ed [Signature]* 6/28/89 DATE

1-22-88
LKS

HOWARD COUNTY APPROVAL



OWNER/DEVELOPER
GORMAN ROAD LIMITED PARTNERSHIP
C/O JAMES M. KNOTT
DEVELOPMENT CORPORATION
110 WEST ROAD, SUITE 203
TOWSON, MARYLAND 21284
(801) 321-6436

NO.	DESCRIPTION	DATE	APPROVED	DATE
1	REVISED PER HO CD	4-5-88		
REVISION APPROVED BY				



REVISED

DRIVEWAY AND SEWER PROFILES

Patton Harris Rust and Associates
A Professional Corporation
Engineers, Surveyors, Planners and Landscape Architects
7609 STANDISH PLACE ROCKVILLE MD. 20855 (301) 762-2220

BOWLING BROOK FARMS
PARCEL B-1 AND LOT 213
A RESUBDIVISION OF BOLLING BROOKE, LOT 2
SIXTH ELECTION DISTRICT
TAX MAP 47 PARCEL 141
L 1394 F.632

SURVEY	DATE
DESIGN M J K	9-14-87
DRAWN J D W	SHEET
CHECKED	7 OF 18
SCALE AS SHOWN	FILE NO
C1	2184-1-0

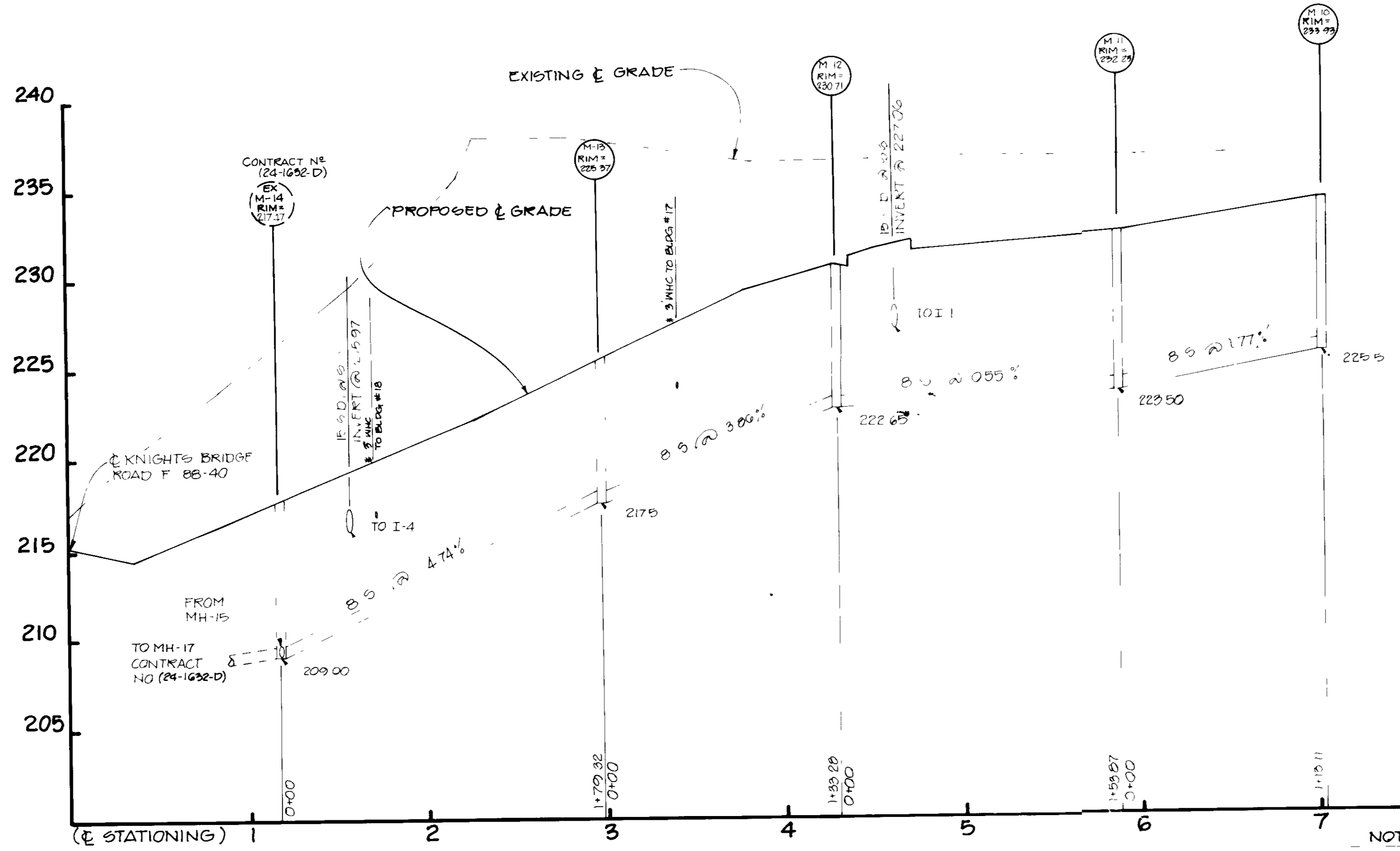
SOP 88-51

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

OWNER/DEVELOPER
 GORMAN ROAD LIMITED PARTNERSHIP
 C/O JAMES F. KNOTT
 DEVELOPMENT CORPORATION
 110 WEST ROAD, SUITE 203
 TOWSON, MARYLAND 21204
 (801) 321-6436

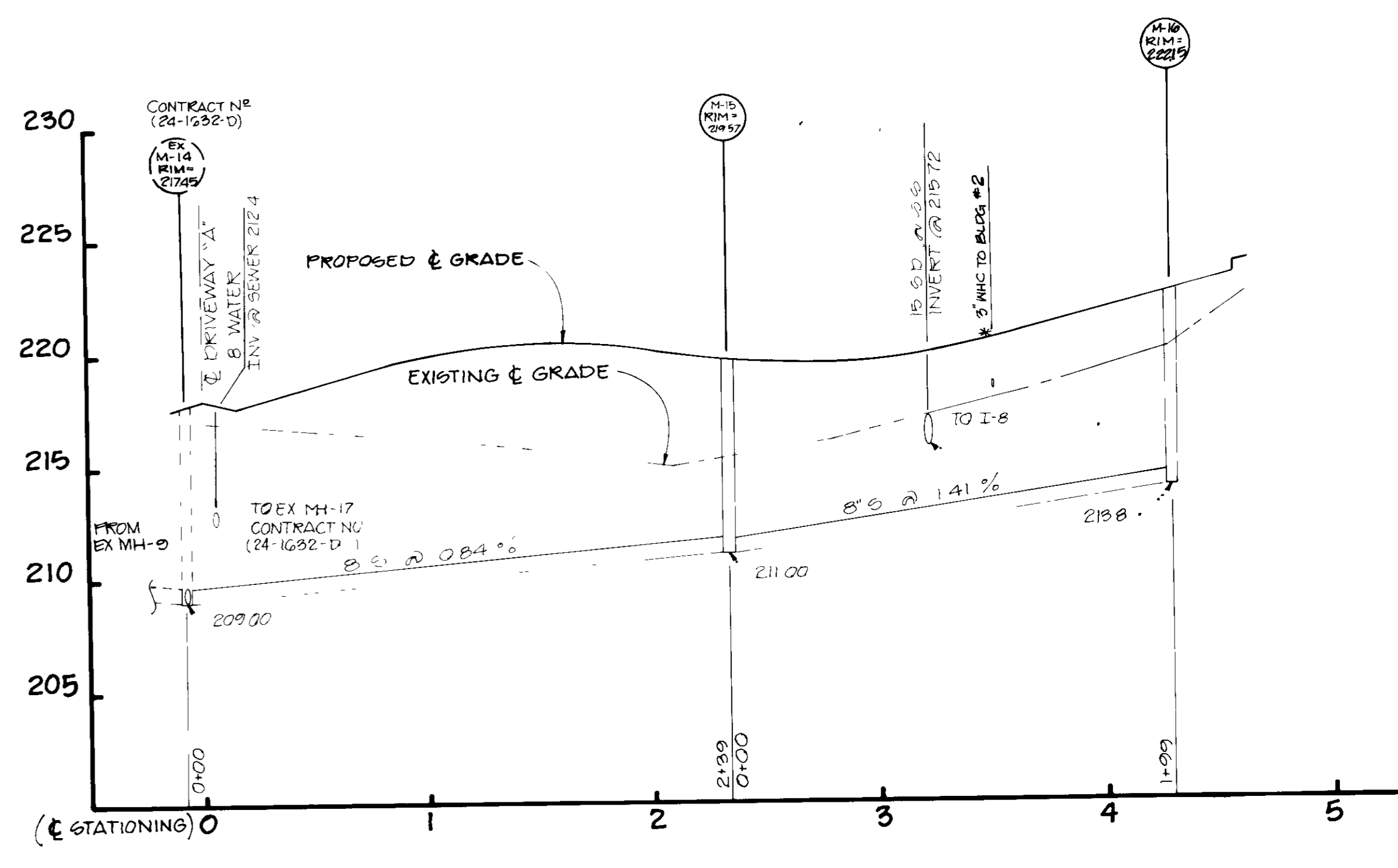
NOTE
 FOR ALL SEWER MANHOLES USE "STANDARD PRECAST MANHOLE" PER HO CO STD DETAIL G 512 & G 511
 FOR M-27 & M-28 USE WATER TIGHT FRAME AND COVER PER HO CO STD DETAIL G 512
 FOR ALL OTHER MANHOLES USE STD HEAVY TRAFFIC MH FRAME & COVER PER HO CO STD DETAIL G 511

DRIVEWAY "A"



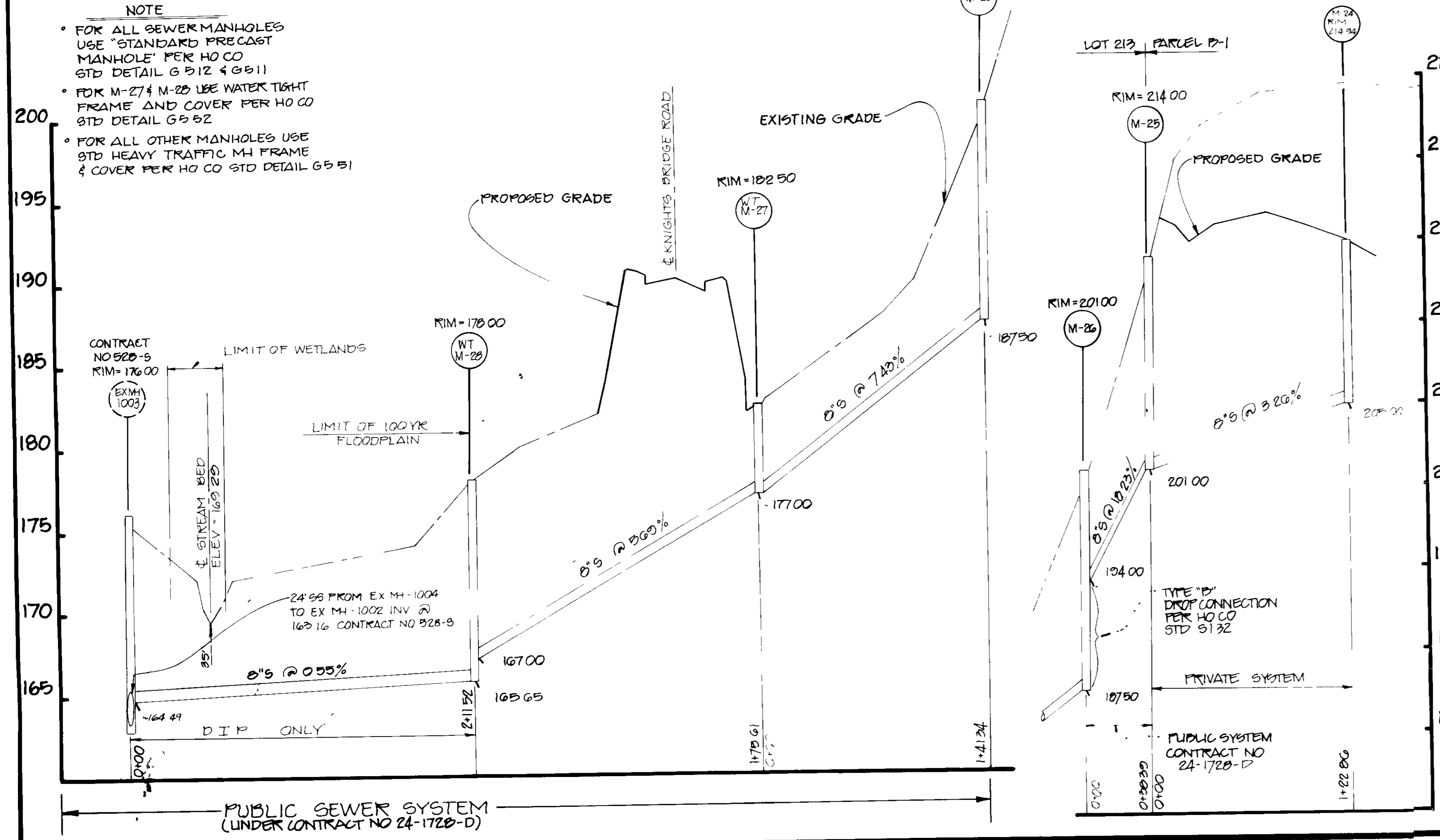
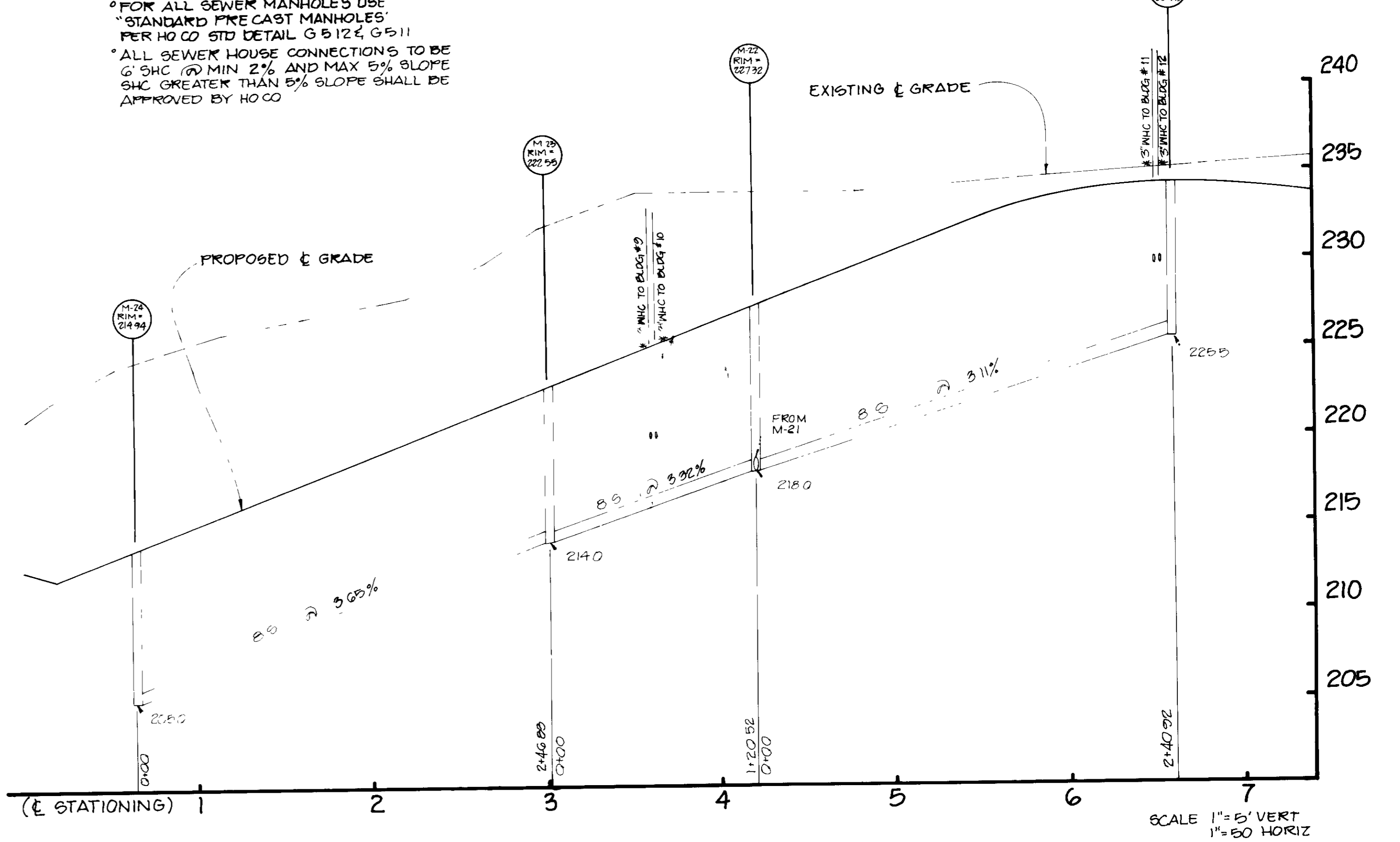
NOTE *
 THE VERTICAL LOCATIONS FOR 3" WHICH SHOWN ON PROFILE ARE APPROXIMATE. THE 3" WHICH SHALL CLEAR SEWER PIPES BY A MINIMUM OF ONE (1) FOOT.
 3" WATER LINES TO BE INSTALLED INSIDE THE BUILDINGS.

DRIVEWAY "B"

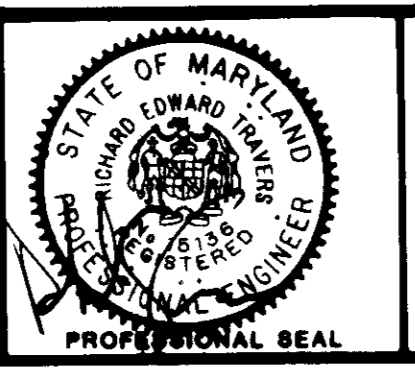


NOTE
 ALL INVERT ELEVATION ARE TO THE C OF MANHOLE STRUCTURE
 FOR ALL SEWER MANHOLES USE "STANDARD PRECAST MANHOLES" PER HO CO STD DETAIL G 512 & G 511
 ALL SEWER HOUSE CONNECTIONS TO BE G 512 @ MIN 2% AND MAX 5% SLOPE. SLOPE GREATER THAN 5% SLOPE SHALL BE APPROVED BY HO CO

DRIVEWAY "C"



NO.	DESCRIPTION	DATE	APPROVED	DATE
3	REVISED PER HO CO			
2	CHANGE W/LC FROM 2 1/2" TO 3" MK			
1	CHANGE W/LC FROM 2" TO 2 1/2" MK			



SEWER PROFILES

Patton Harris Rust and Associates
 A Professional Corporation
 Engineers, Surveyors, Planners and Landscape Architects
 7609 STANDISH PLACE ROCKVILLE MD. 20855 (301) 762-2220

BOWLING BROOK FARMS
 PARCEL B-1 AND LOT 213
 A RESUBDIVISION OF BOWLING BROOKE, LOT 2
 SIXTH ELECTION DISTRICT
 TAX MAP 47 PARCEL 141
 L 1394 F 632

SURVEY	DATE
DESIGN MJK	9-14-87
DRAWN JDW	SHEET
CHECKED	8 OF 10
SCALE AS SHOWN	FILE NO.
G.I.	2184-1-0

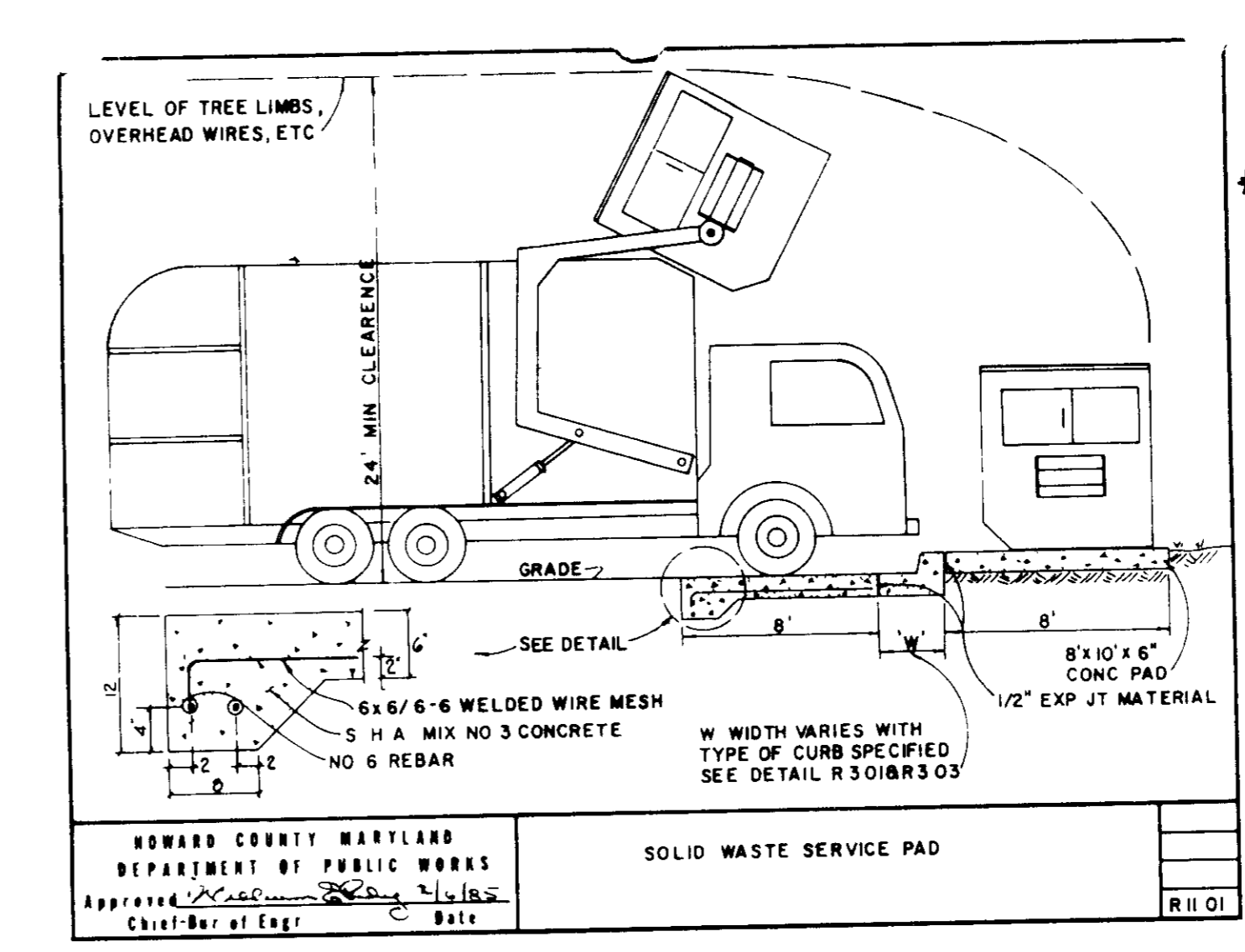
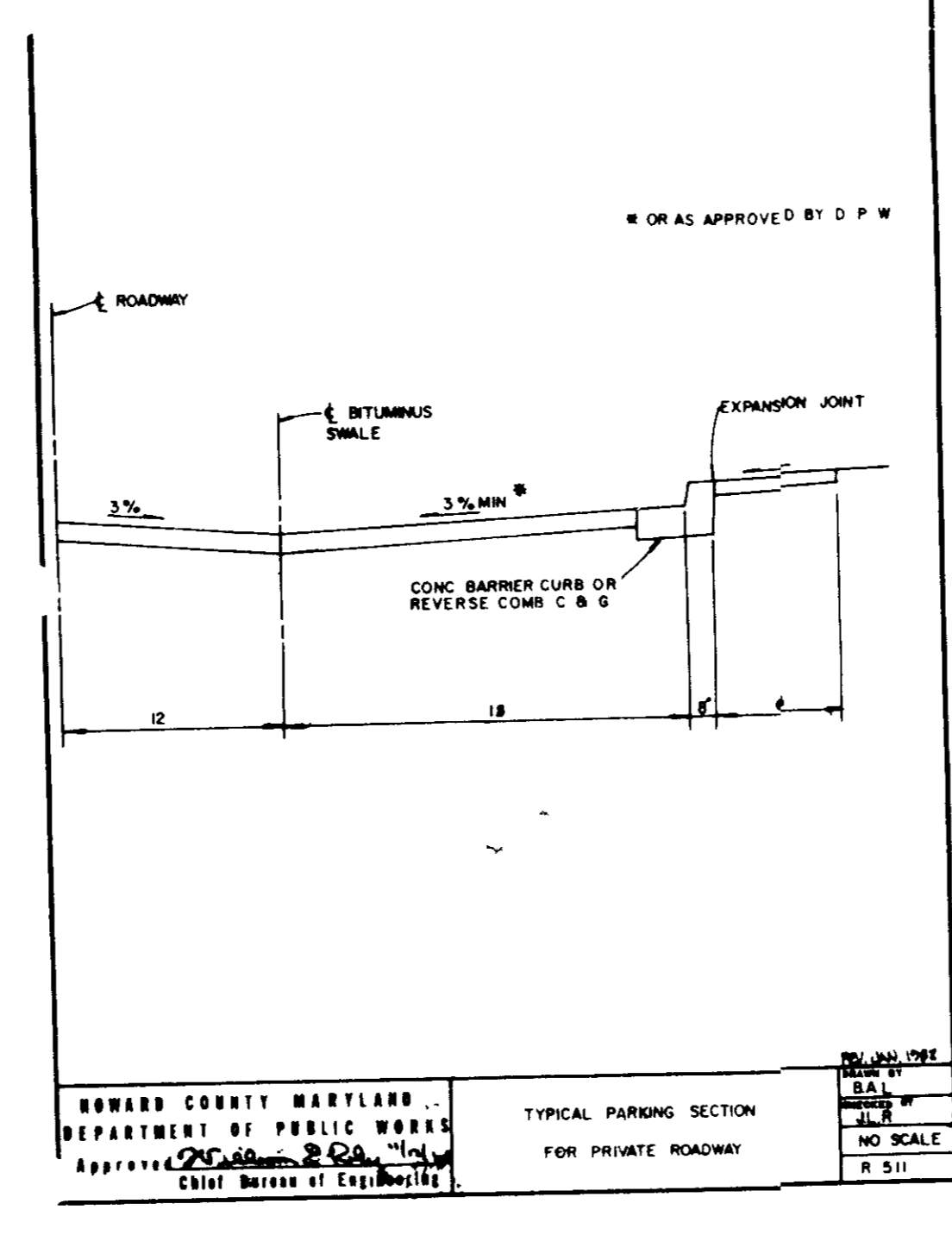
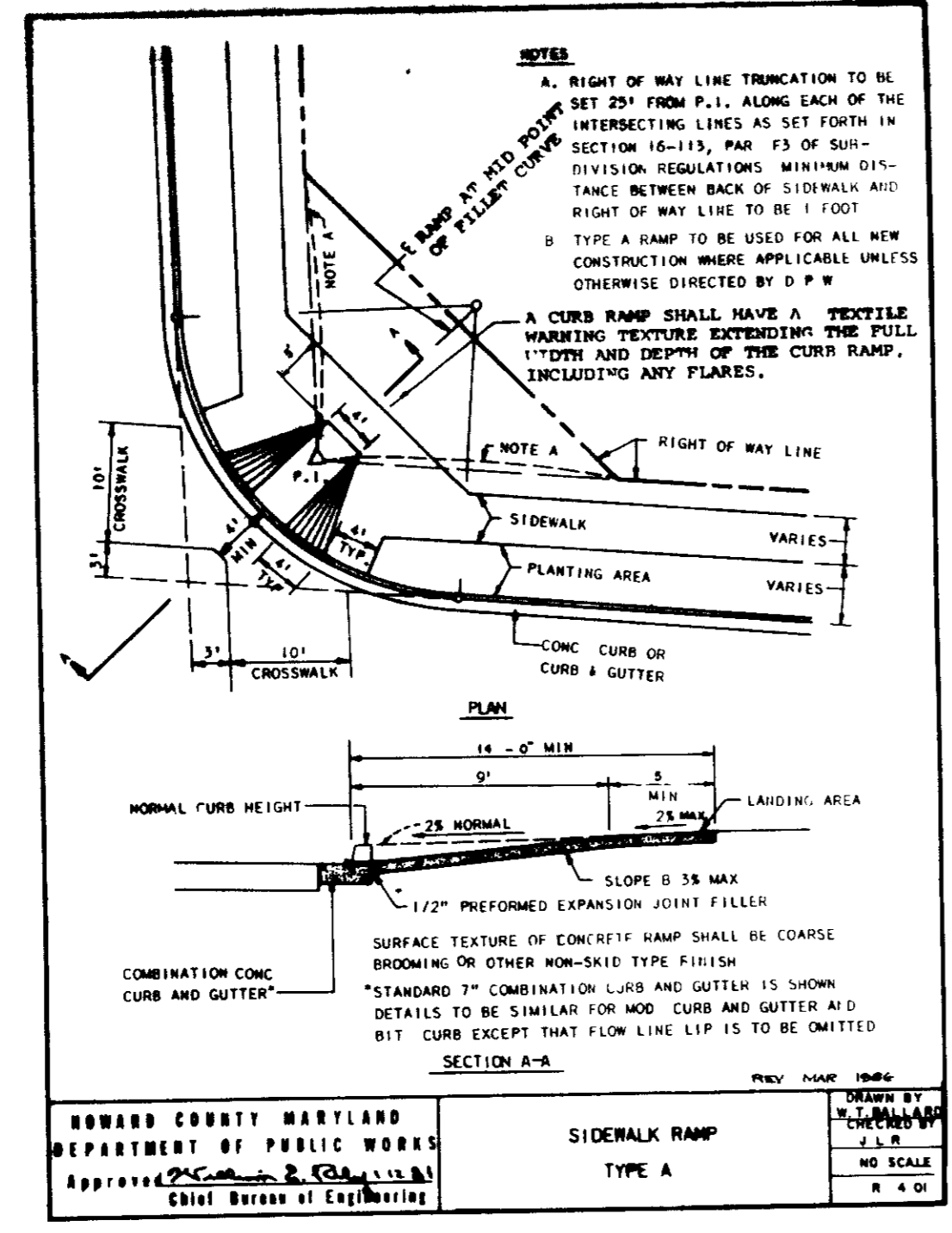
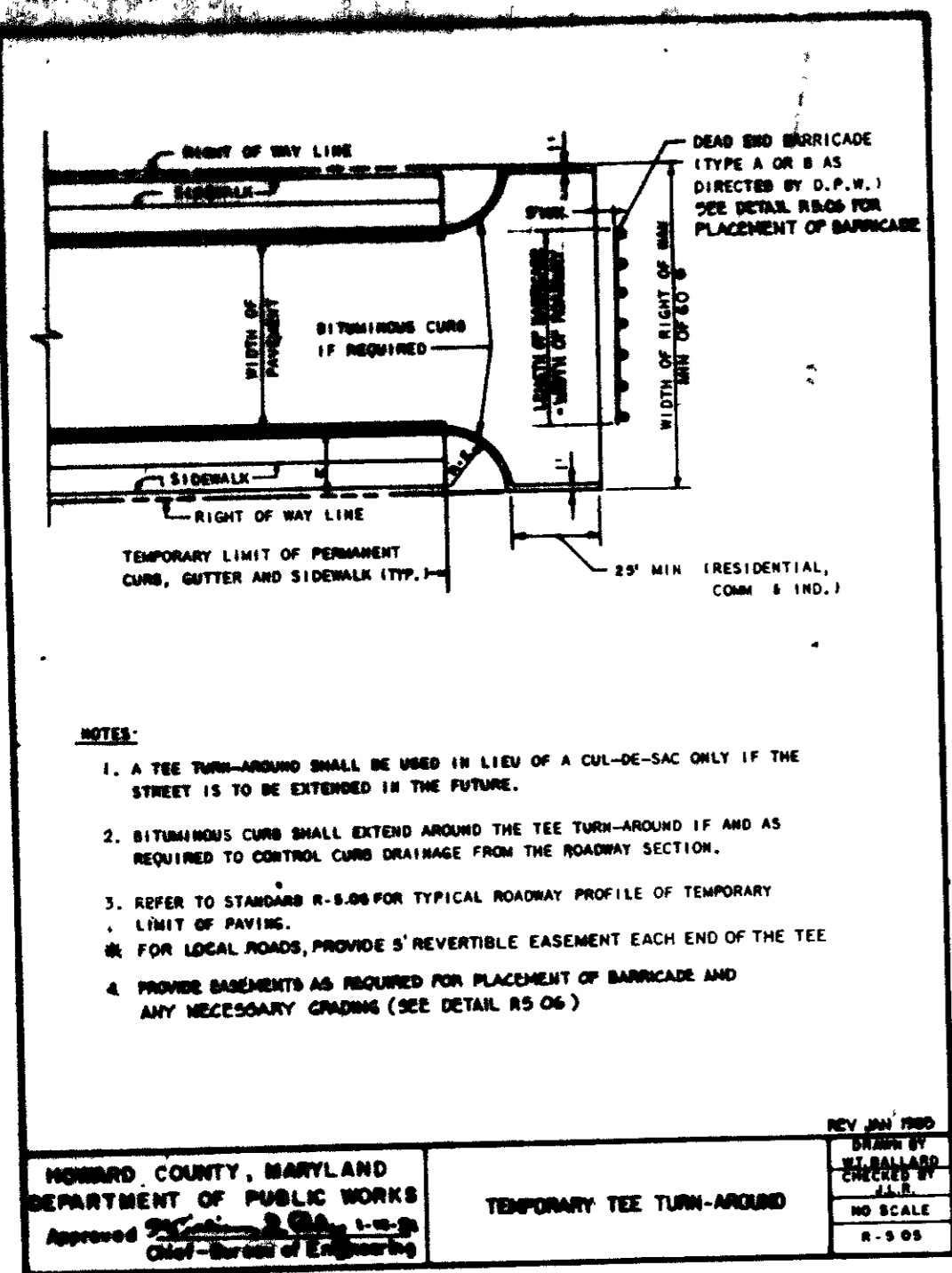
Approved: *James M. Knott* 7-1-88
COUNTY HEALTH OFFICER DATE

Approved: *James M. Knott* 7/8/88
PLANNING DIRECTOR DATE

Approved: *James M. Knott* 7/8/88
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE LKS

Approved: *James M. Knott* 8/20/88
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS DATE

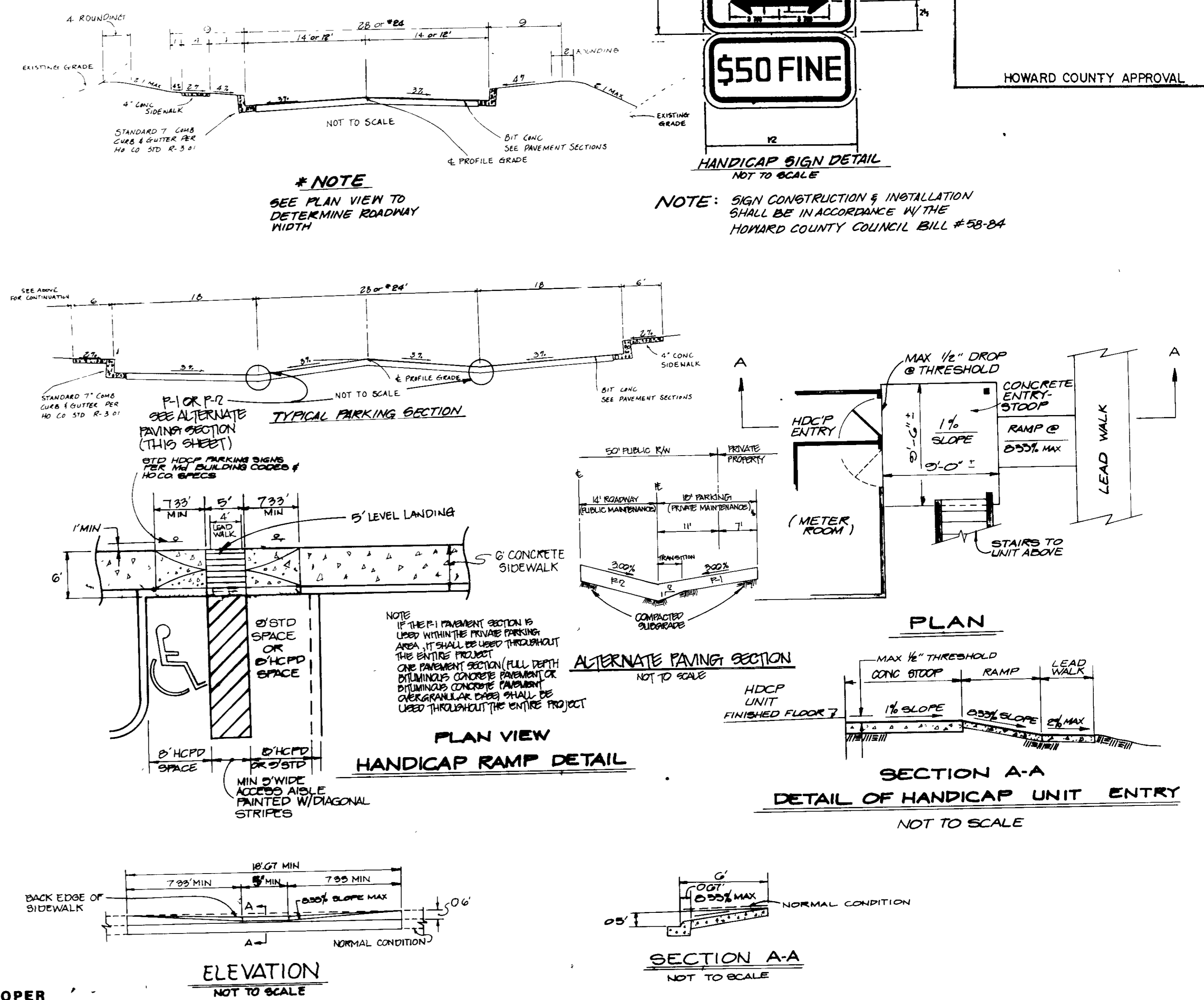
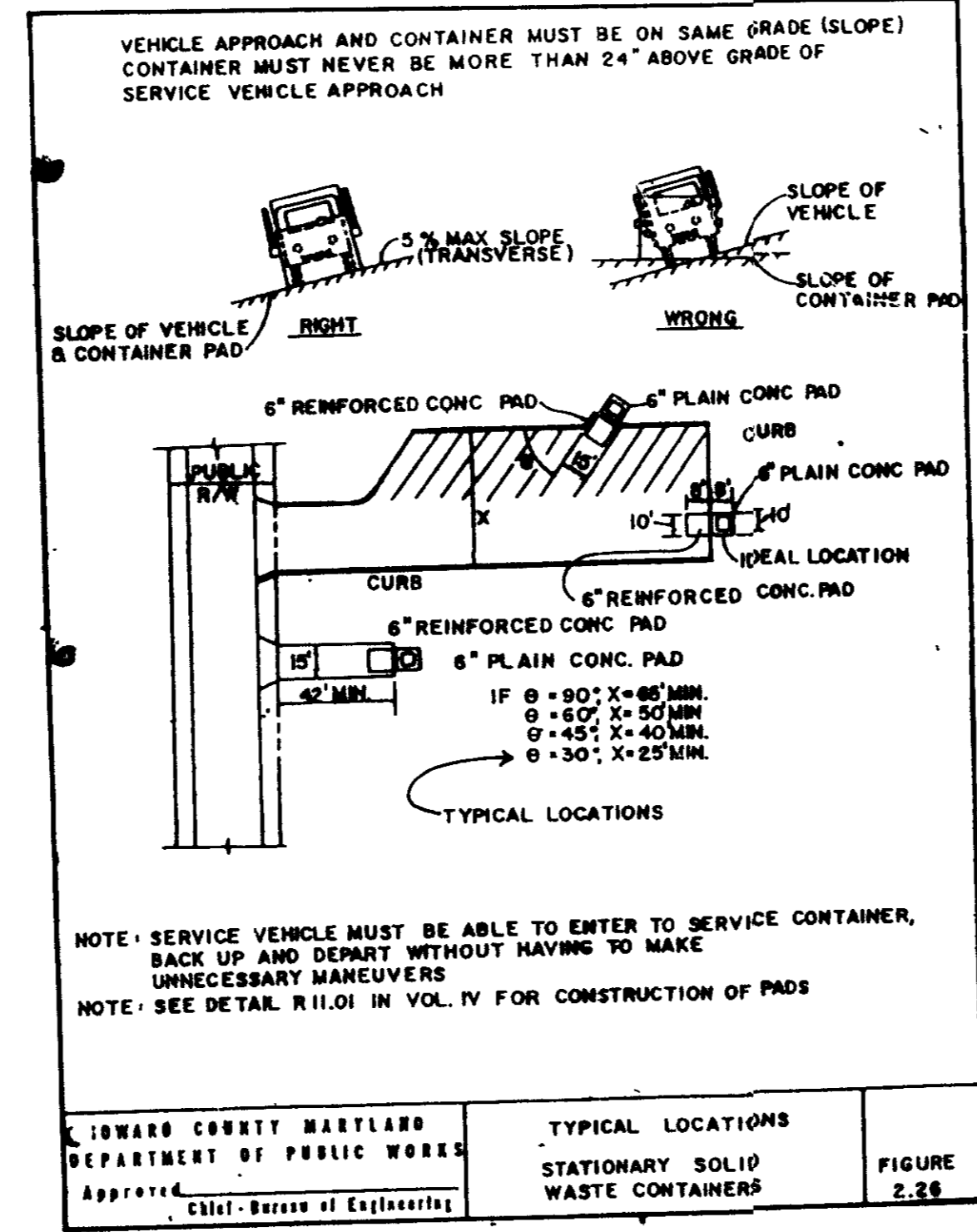
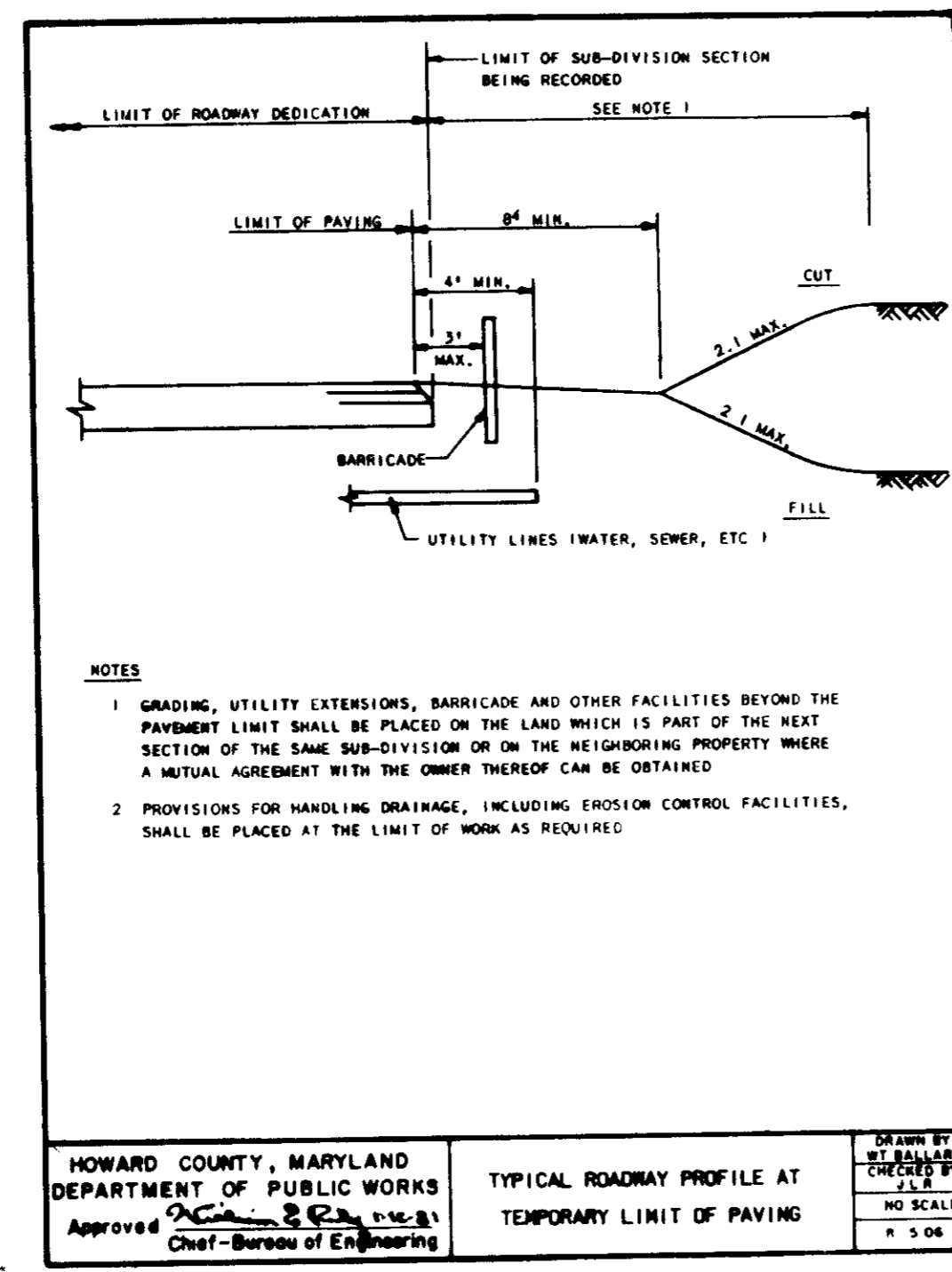
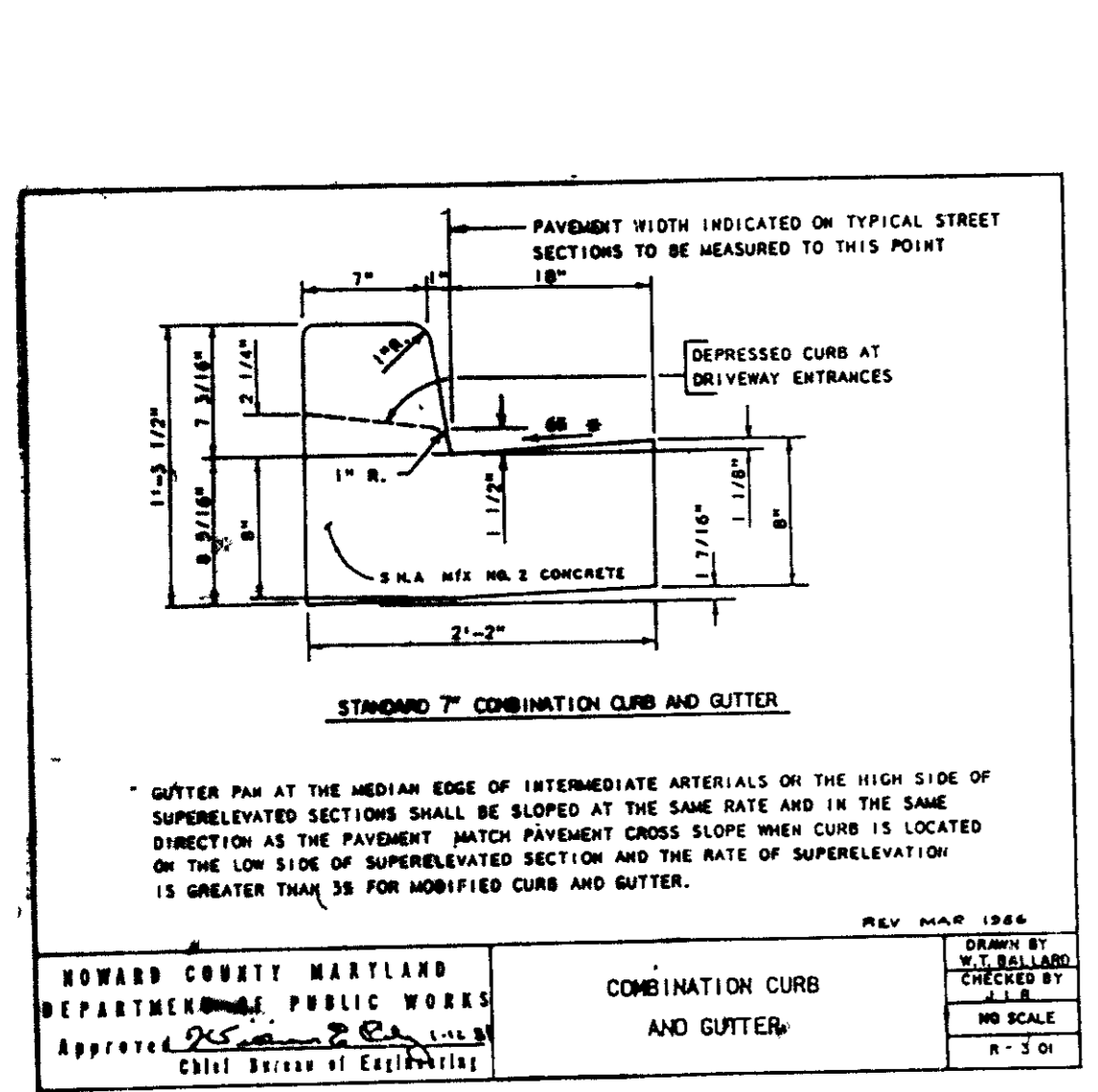
Approved: *James M. Knott* 8/20/88
CHIEF, BUREAU OF ENGINEERING DATE



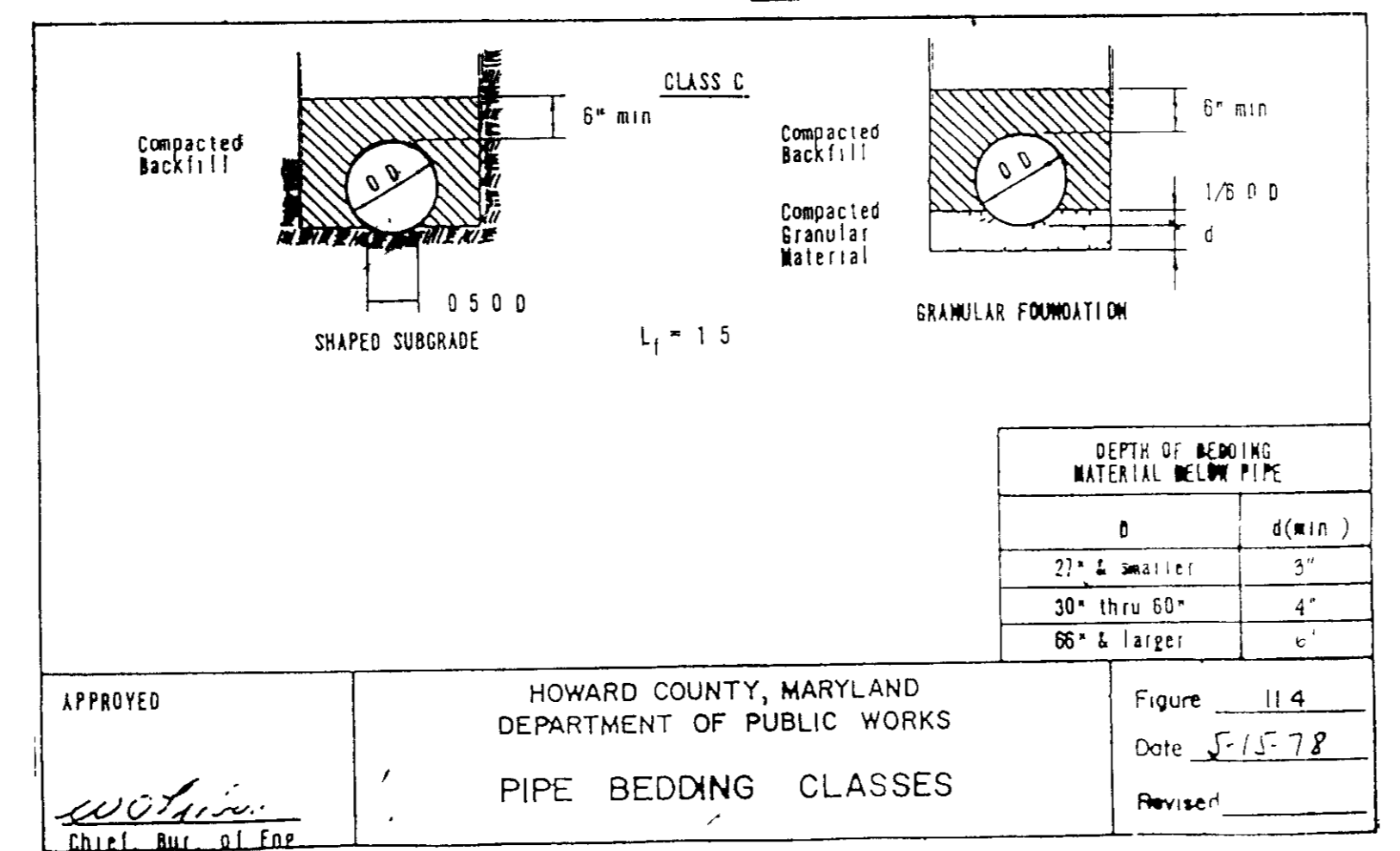
NOTE FOR ALL DUMPSTER LOCATION, WOODEN SLAT FENCE AROUND THE DUMPSTER. (SEE ARCH PLAN FOR DETAIL)



HOWARD COUNTY APPROVAL



SECTION NUMBER	ROAD AND STREET CLASSIFICATION	PAVEMENT MATERIALS	
		FULL DEPTH BIT CONG. ALTERNATE	GRANULAR BASE ALTERNATES
P-1	PARKING AREAS AND TRAVELWAYS APARTMENTS AND COMMERCIAL-INDUSTRIAL ZONES WITH NO HEAVY TRUCKS	1" BIT CONG. SURFACE 4" BIT CONG. BASE	1" BIT CONG. SURFACE 2" BIT CONG. BASE 3" CRUSHER RUN BASE COURSE OR 4" DENSE GRADED STABILIZED AGGREGATE BASE COURSE
P-2	RESIDENTIAL ZONES LOCAL DRIVEWAYS ALLEYS AND PRIVATE DRIVEWAYS COMMERCIAL-INDUSTRIAL ZONES WITH HEAVY TRUCKS	1 1/2" BIT CONG. SURFACE 5" BIT CONG. BASE	1 1/2" BIT CONG. SURFACE 2 1/2" BIT CONG. BASE 8" CRUSHER RUN BASE COURSE (12 COURSES) OR 6" DENSE GRADED STABILIZED AGGREGATE BASE COURSE



NO.	DESCRIPTION	DATE	APPROVED	DATE
1	REVISED FOR NO. CO.			
2	REVISED FOR HQ CO.			

REVISION APPROVED BY

APPROVED: *James M. Knott*

HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS

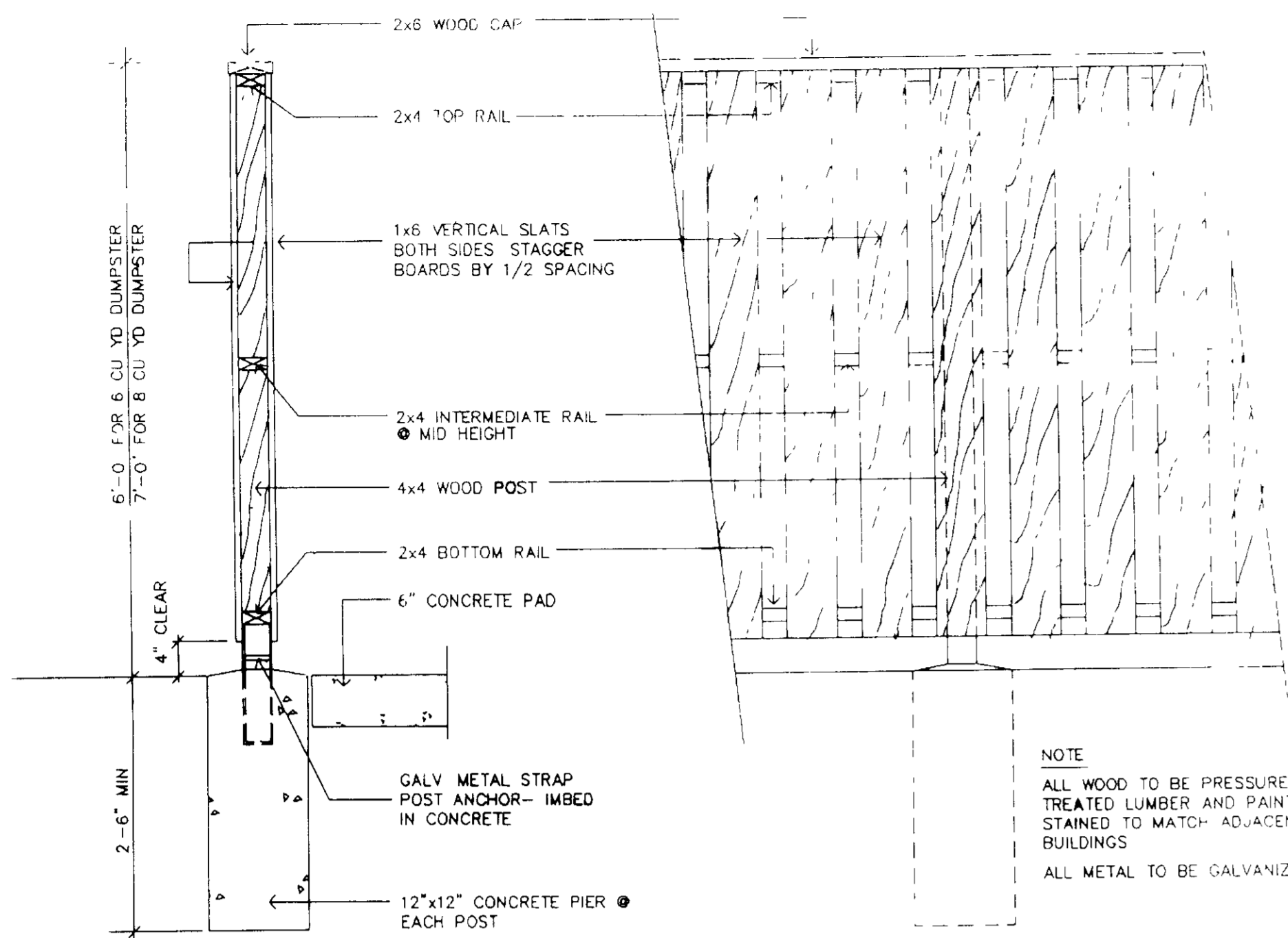
Figure 11.9
Date 5-15-78

Patton Harris Rust and Associates
A Professional Corporation
Engineers, Surveyors, Planners and Landscape Architects
7609 STANDISH PLACE ROCKVILLE, MD 20855 (301) 762-2220

BOWLING BROOK FARMS
PARCEL B-1 AND LOT 213
A RESUBDIVISION OF BOLLING BROOKE, LOT 2
SIXTH ELECTION DISTRICT
TAX MAP 47 PARCEL 141
L 1394 F 632

SURVEY DATE 9-14-87
DESIGN MJK SHEET
DRAWN J.D.W. 2 OF 10
CHECKED FILE NO. 2104-1-0
SCALE AS NOTED G.I.

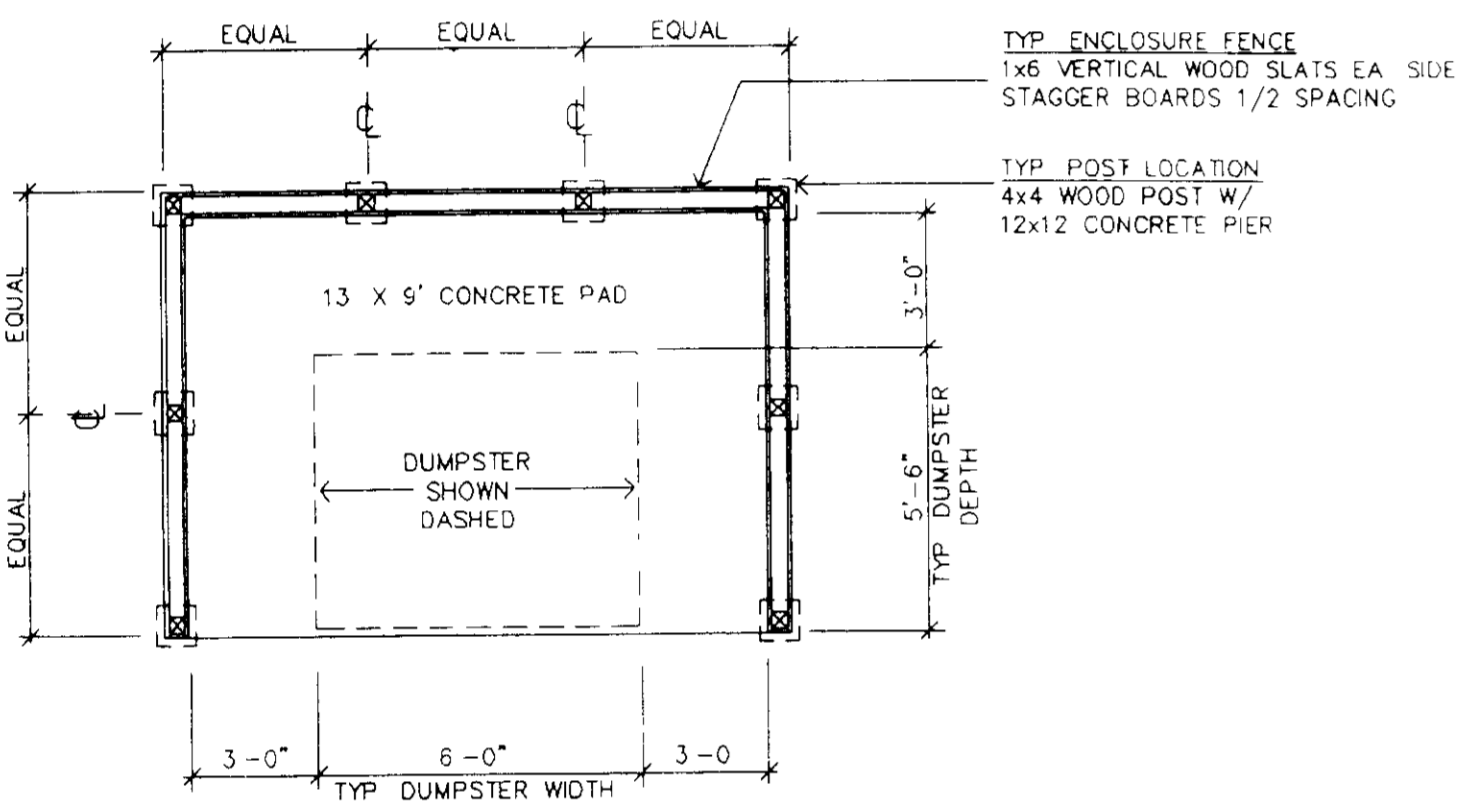
DETAIL SHEET



SECTION DETAIL
SCALE 3/4" = 1'-0"

ELEVATION DETAIL
SCALE 1/4" = 1'-0"

NOTE
ALL WOOD TO BE PRESSURE TREATED LUMBER AND PAINTED/STAINED TO MATCH ADJACENT BUILDINGS
ALL METAL TO BE GALVANIZED



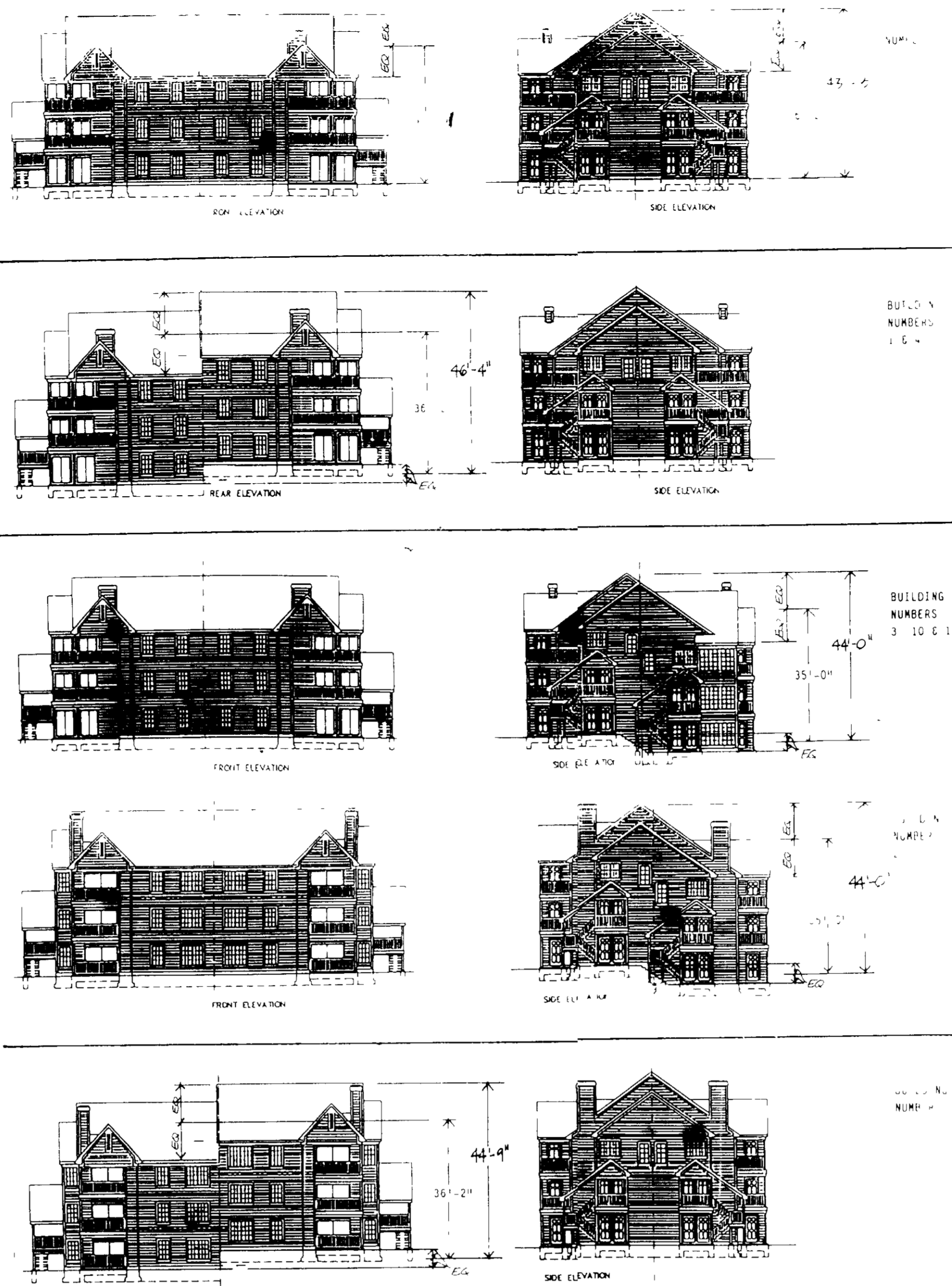
TRASH ENCLOSURE PLAN
SCALE 1/4" = 1'-0"

TYP. ENCLOSURE FENCE
1x6 VERTICAL WOOD SLATS EA. SIDE
STAGGER BOARDS 1/2 SPACING

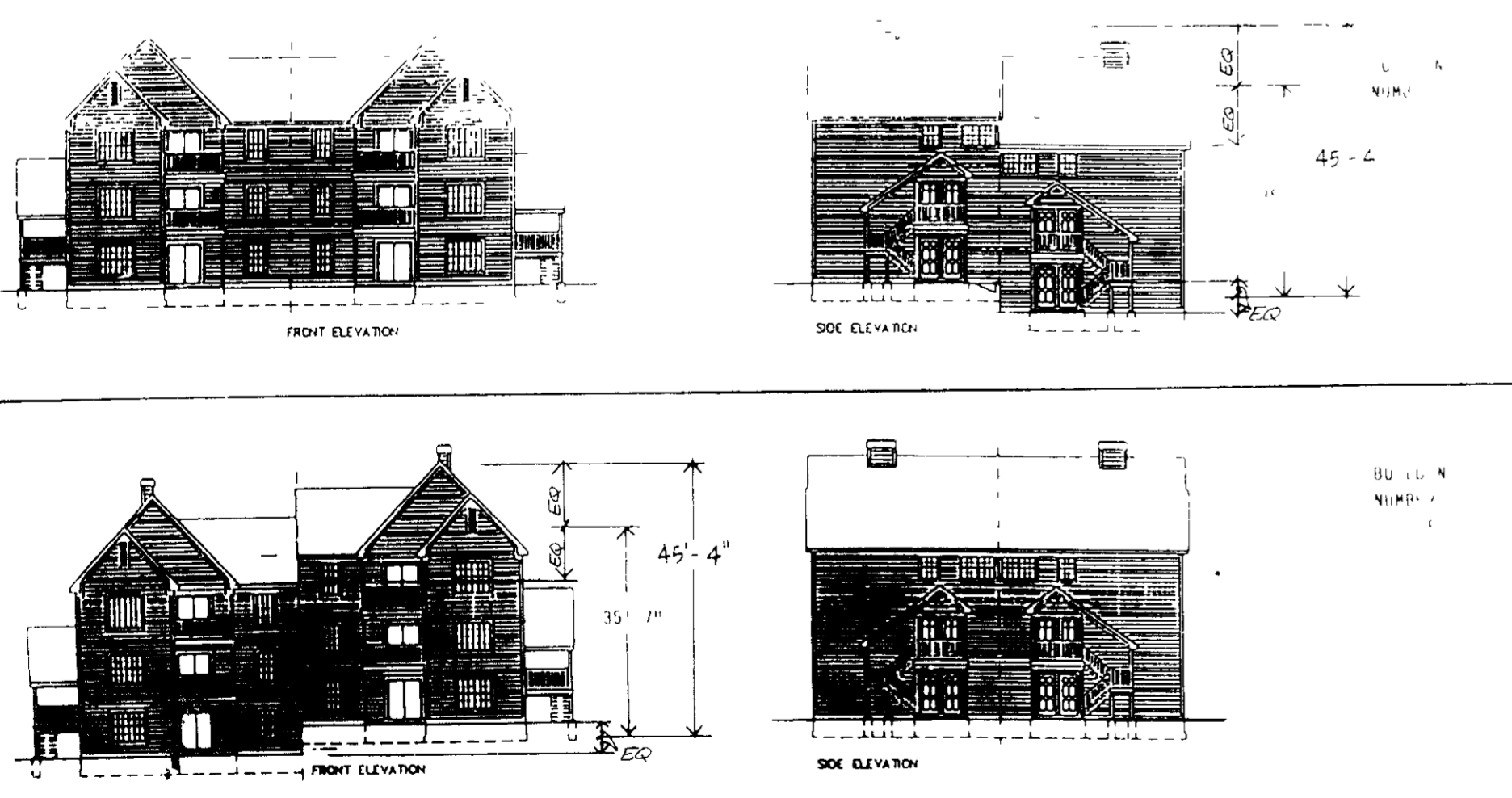
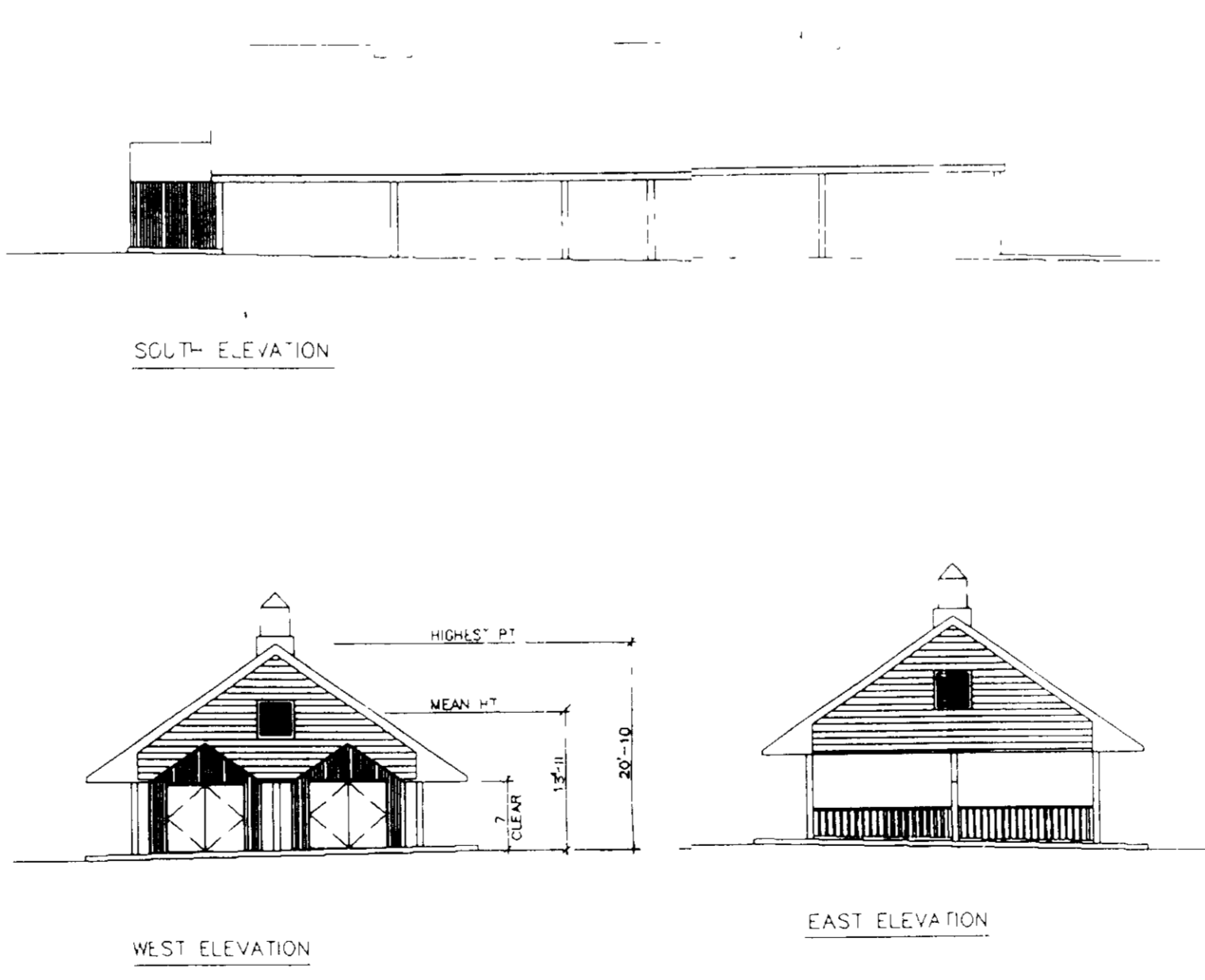
TYP. POST LOCATION
4x4 WOOD POST W/ 12x12 CONCRETE PIER

8 CU. YD. DUMPSTER
SIDE DOOR ACCESS
72" WIDE
66" DEPTH
80" HEIGHT

6 CU. YD. DUMPSTER
TOP LID ACCESS
72" WIDE
66" DEPTH
60" HEIGHT



CAR PORT DETAIL



NOTE:
SEE AA-88-34 FOR HEIGHT ADJUSTMENT 36.2 FOOT MAXIMUM HEIGHT ALLOWED.

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

James M. Boyd, M.D., P.E. 7-1-88
HEALTH DEPT. OFF. CHIEF

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND LAND DEVELOPMENT

James Rust 7/8/88
PLANNING DIRECTOR

James Rust 7/8/88
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

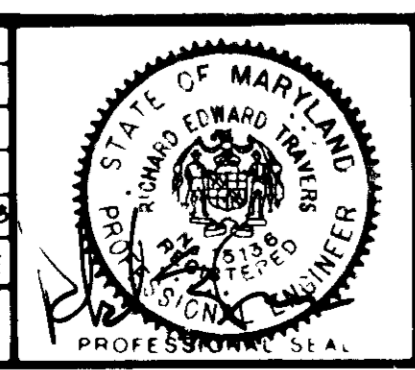
1-22-88
LRS

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR

CHIEF, BUREAU OF ENGINEERING 8/16/88

NO.	DESCRIPTION	DATE	APPROVED	DATE
1	REVISED PER HO CD	4-5-88		

REVISION APPROVED BY



REVISOR

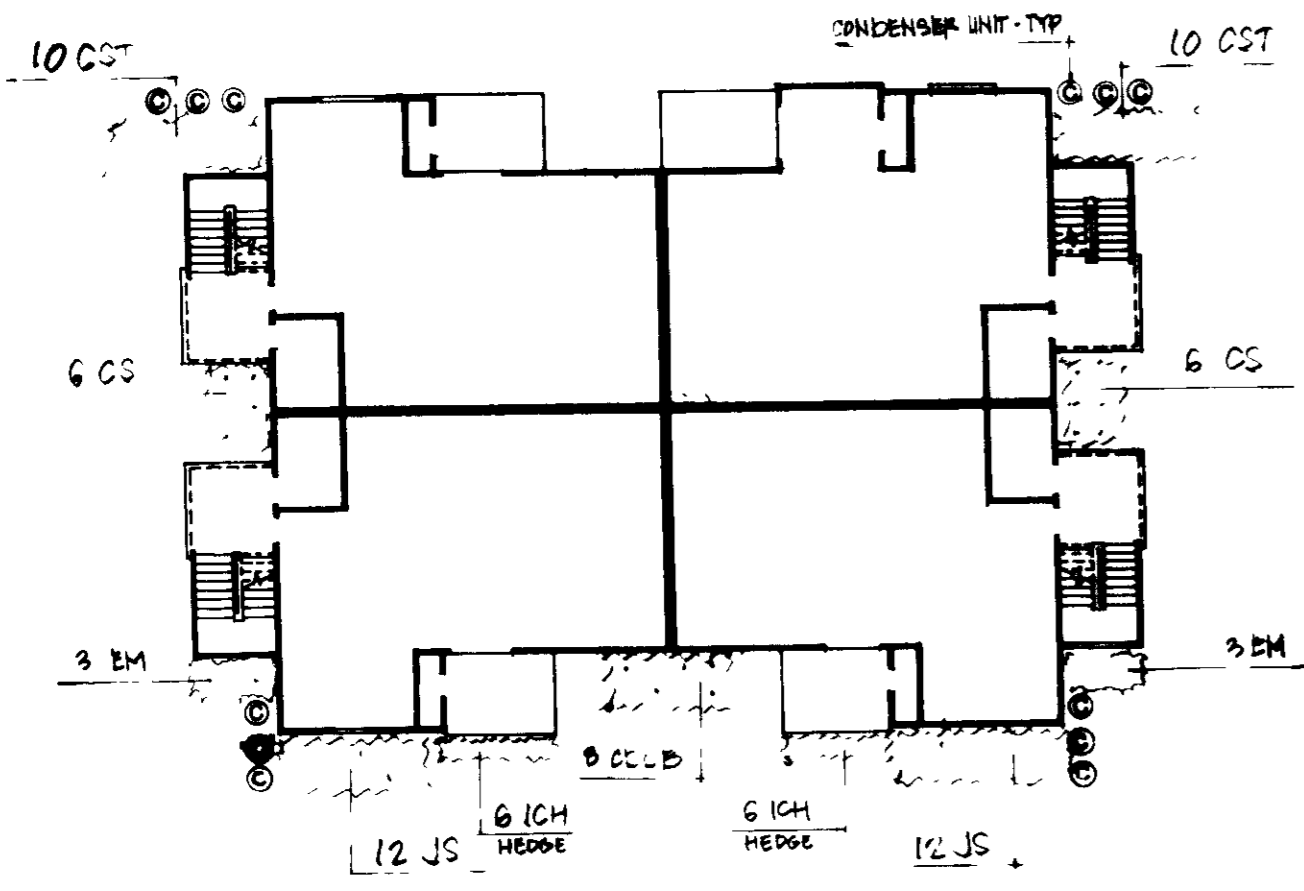
DETAIL SHEET

Patton Harris Rust and Associates
A Professional Corporation
Engineers, Surveyors, Planners and Landscape Architects
7609 Standish Place Rockville Maryland 20855 (301)762-2220

BOWLING BROOK FARMS
PARCEL B-1 AND LOT 213
ARE SUBDIVISION OF BOWLING BROOK FARMS
LOCAL GOVERNMENT DISTRICT

SURVEY	DATE
DESIGN	
DRAWN J.D.W.	SHI 10 78
CHECKED	
AS SHOWN	2184-1-0

SDP-88-51

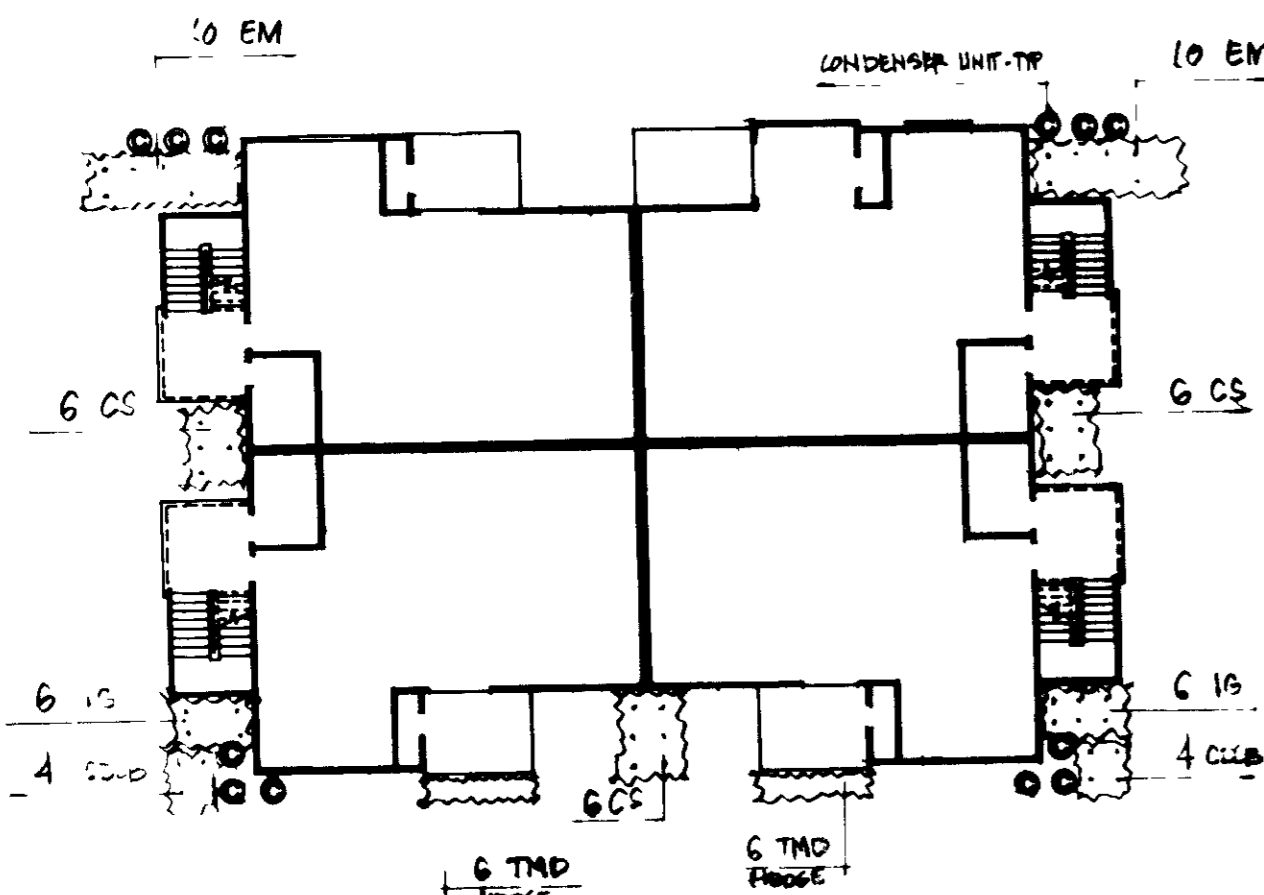


FRONT
NOT TO SCALE

Plant List FOR BLDGS FACING E-SE-S-W

KEY	QTY	BOTANICAL / COMMON NAME	SIZE + COND
OUT	10	CORNYSS STYLIANIFERA / PEACHBERRY CORNADO	2' 3" HT. ONE / B/D
COB	12	CORONILLA BARRISII / CORAL BERRY / CORAL BERRY CORONILLA	10' X 10' ONE / B/D
CS	6	CORONILLA BARRISII / CORAL BERRY / CORAL BERRY CORONILLA	10' X 10' ONE / B/D
EM	2	ESCHSCHOLIA BALSAMIFERA / WILLOW HERB	10' X 10' ONE / B/D
ICH	2	ILEX GLABRA / HEDGE	10' X 10' ONE / B/D
IS	12	ILEX GLABRA / HEDGE	10' X 10' ONE / B/D
TND	14	TAXUS MEDIA / SPREADING YEW	10' X 10' ONE / B/D
JS	14	JUNIPERUS CHINENSIS / SARAWATI / SARAWATI JUNIPER	10' X 10' ONE / B/D

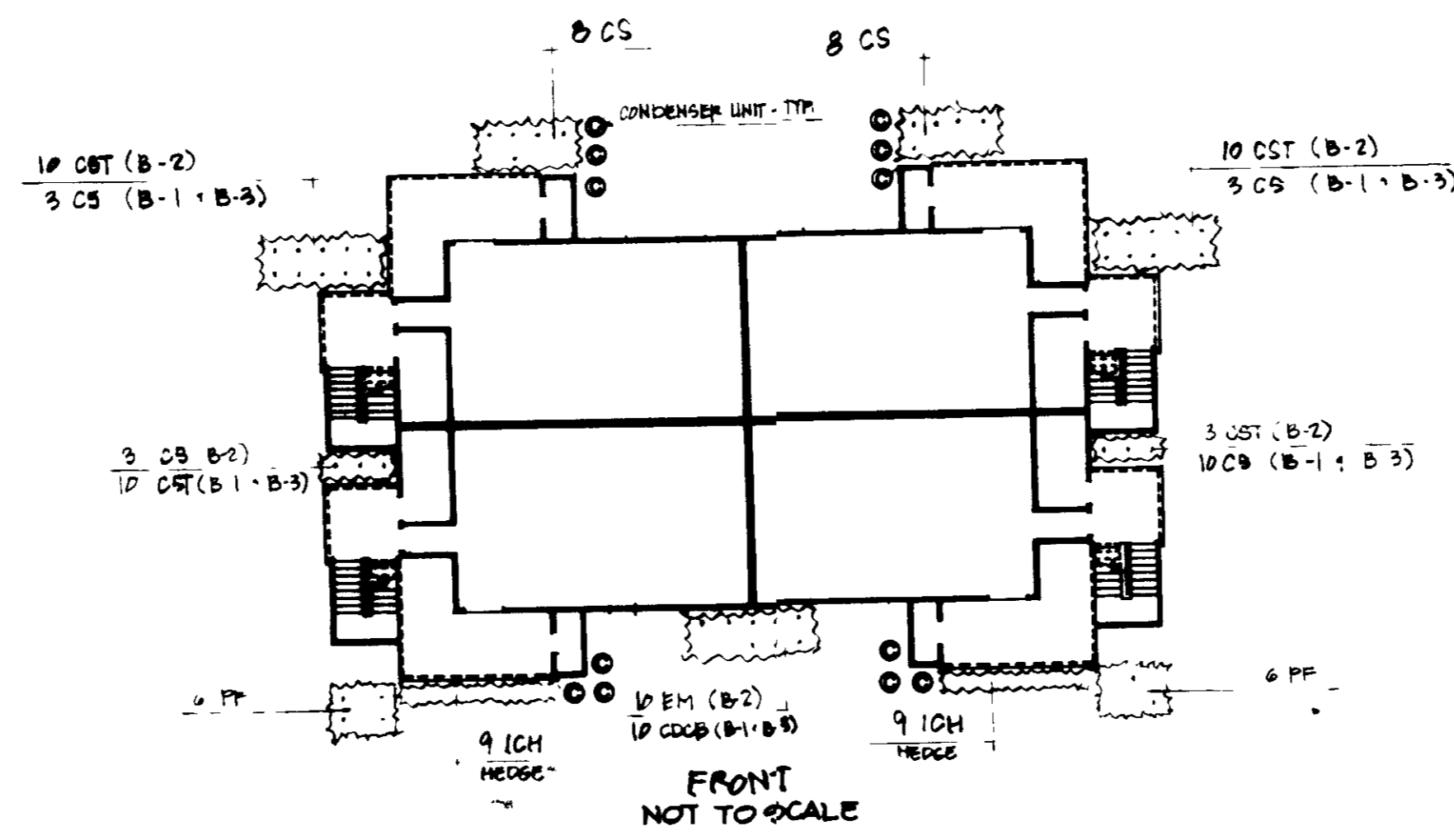
Unit Types A-2 & A-3



FRONT
NOT TO SCALE

Plant List FOR BLDGS FACING W-WN-N-NE

KEY	QTY	BOTANICAL / COMMON NAME	SIZE + COND
OUT	10	CORNYSS STYLIANIFERA / PEACHBERRY CORNADO	2' 3" HT. ONE / B/D
COB	5	CORONILLA BARRISII / CORAL BERRY / CORAL BERRY CORONILLA	10' X 10' ONE / B/D
CS	10	CORONILLA BARRISII / CORAL BERRY / CORAL BERRY CORONILLA	10' X 10' ONE / B/D
EM	2	ESCHSCHOLIA BALSAMIFERA / WILLOW HERB	10' X 10' ONE / B/D
ICH	2	ILEX GLABRA / HEDGE	10' X 10' ONE / B/D
IS	12	ILEX GLABRA / HEDGE	10' X 10' ONE / B/D
TND	12	TAXUS MEDIA / SPREADING YEW	10' X 10' ONE / B/D

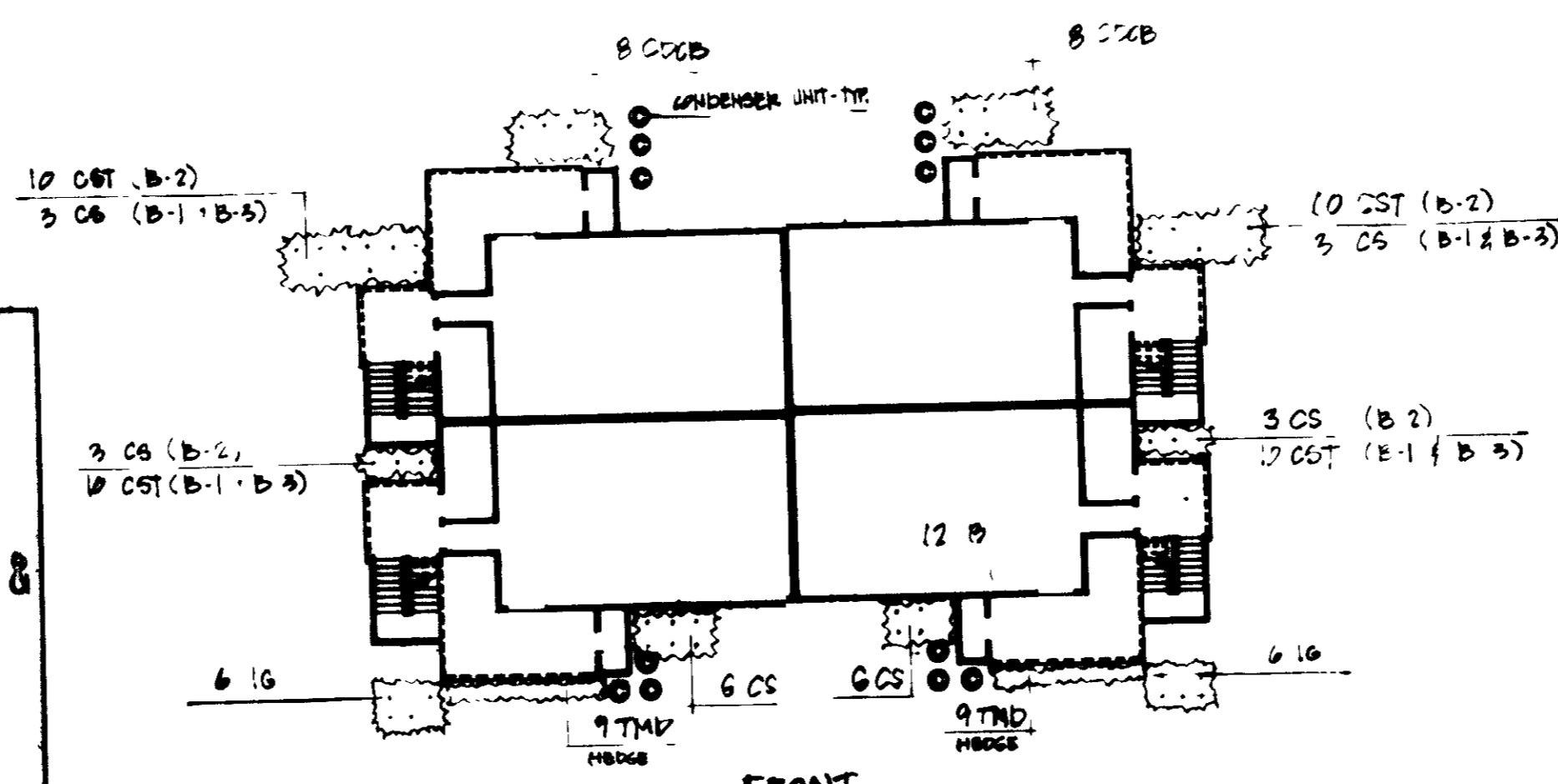


FRONT
NOT TO SCALE

Plant List FOR BLDGS FACING E-SE-S-W

KEY	QTY	BOTANICAL / COMMON NAME	SIZE + COND
OUT	10	CORNYSS STYLIANIFERA / PEACHBERRY CORNADO	2' 3" HT. ONE / B/D
COB	12	CORONILLA BARRISII / CORAL BERRY / CORAL BERRY CORONILLA	10' X 10' ONE / B/D
CS	22	CORONILLA BARRISII / CORAL BERRY / CORAL BERRY CORONILLA	10' X 10' ONE / B/D
EM	10	ESCHSCHOLIA BALSAMIFERA / WILLOW HERB	10' X 10' ONE / B/D
ICH	10	ILEX GLABRA / HEDGE	10' X 10' ONE / B/D
IS	12	ILEX GLABRA / HEDGE	10' X 10' ONE / B/D
TND	12	TAXUS MEDIA / SPREADING YEW	10' X 10' ONE / B/D
PT	12	PATINIA FRAXELI / RED PATINIA	10' X 10' ONE / B/D

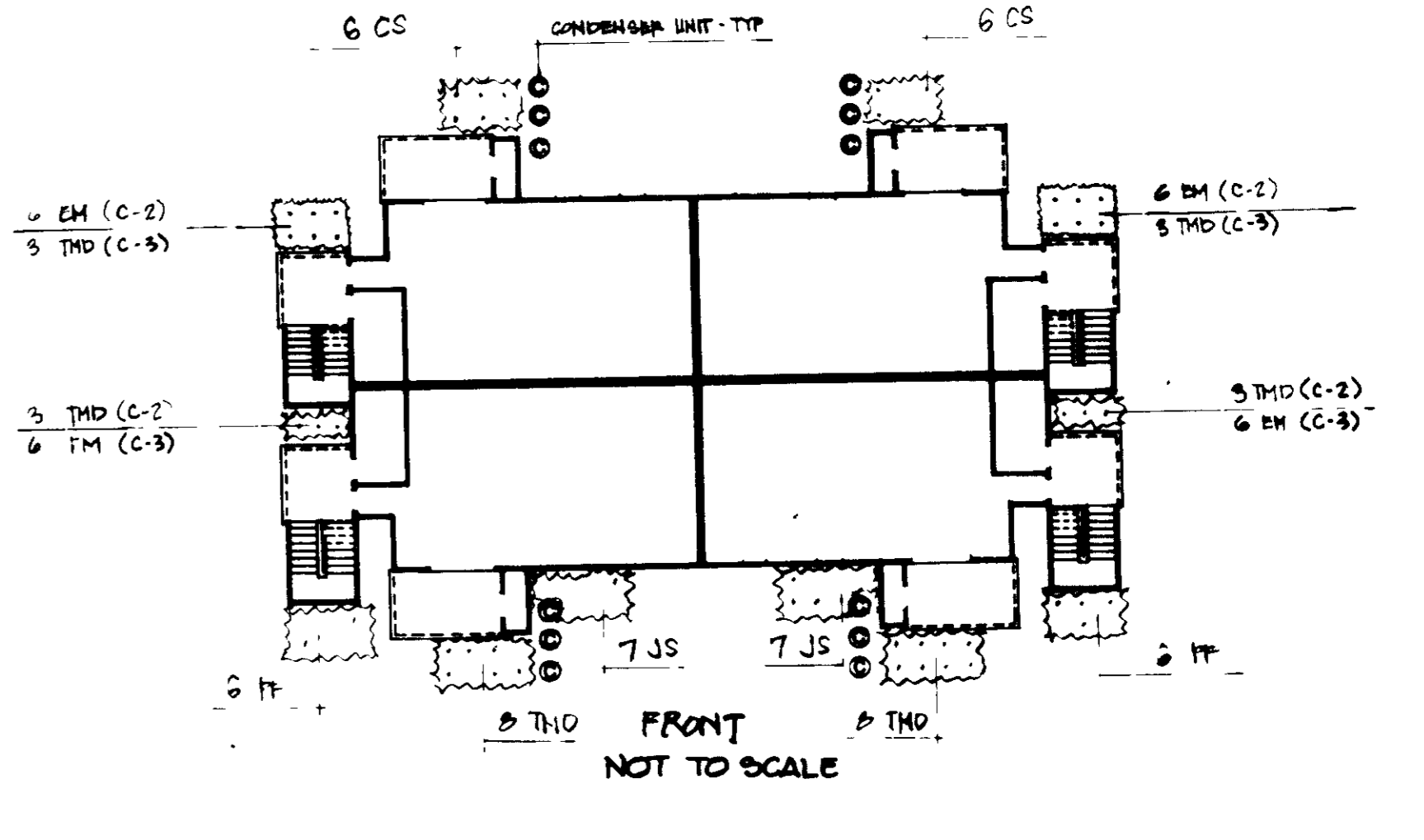
Unit Types B-1, B-2 & B-3



FRONT
NOT TO SCALE

Plant List FOR BLDGS FACING W-WN-N-NE

KEY	QTY	BOTANICAL / COMMON NAME	SIZE + COND
OUT	10	CORNYSS STYLIANIFERA / PEACHBERRY CORNADO	2' 3" HT. ONE / B/D
COB	5	CORONILLA BARRISII / CORAL BERRY / CORAL BERRY CORONILLA	10' X 10' ONE / B/D
CS	10	CORONILLA BARRISII / CORAL BERRY / CORAL BERRY CORONILLA	10' X 10' ONE / B/D
EM	2	ESCHSCHOLIA BALSAMIFERA / WILLOW HERB	10' X 10' ONE / B/D
ICH	2	ILEX GLABRA / HEDGE	10' X 10' ONE / B/D
IS	12	ILEX GLABRA / HEDGE	10' X 10' ONE / B/D
TND	12	TAXUS MEDIA / SPREADING YEW	10' X 10' ONE / B/D

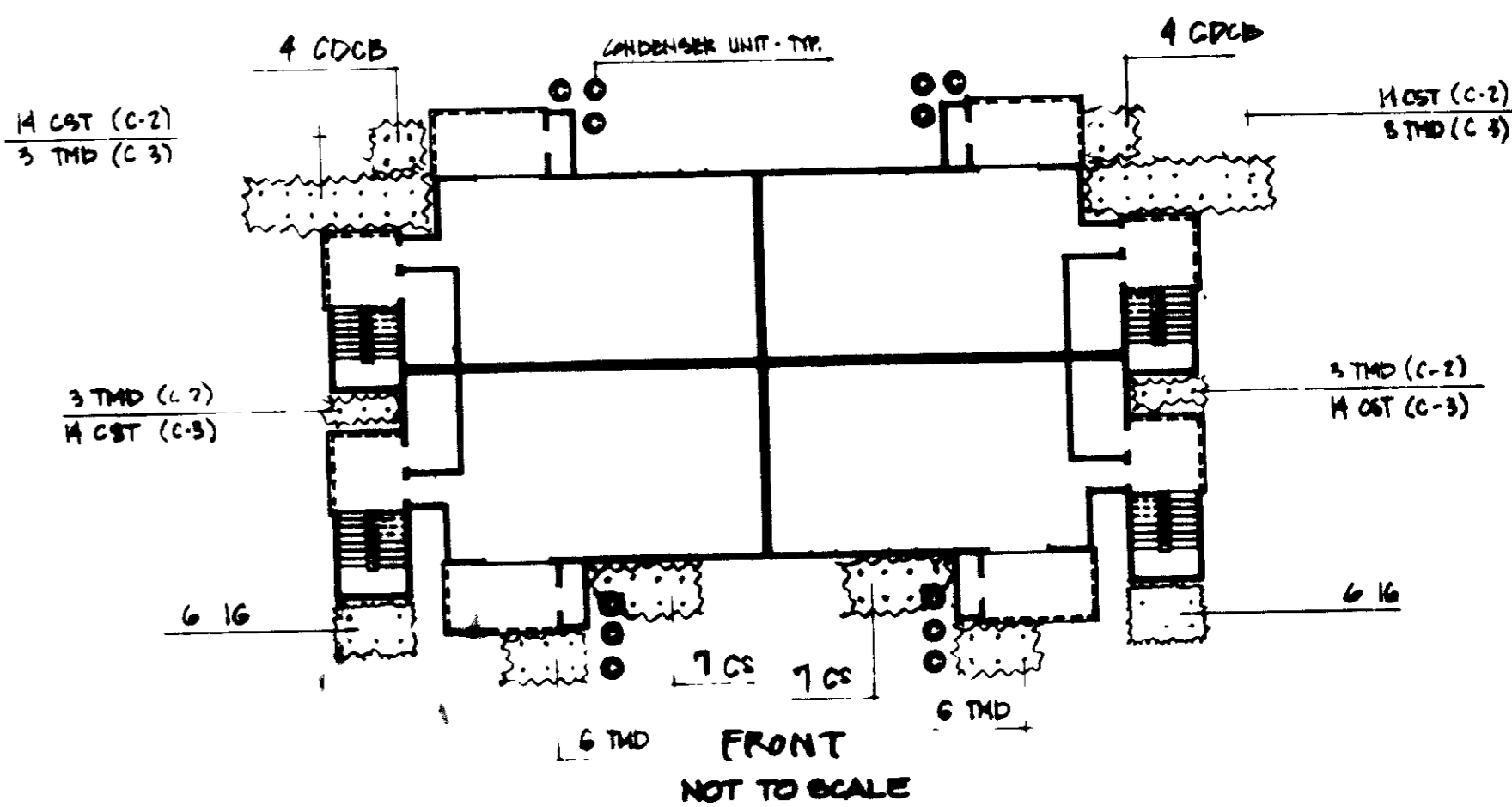


FRONT
NOT TO SCALE

Plant List FOR BLDGS FACING E-SE-S-W

KEY	QTY	BOTANICAL / COMMON NAME	SIZE + COND
OUT	10	CORNYSS STYLIANIFERA / PEACHBERRY CORNADO	2' 3" HT. ONE / B/D
COB	5	CORONILLA BARRISII / CORAL BERRY / CORAL BERRY CORONILLA	10' X 10' ONE / B/D
CS	12	CORONILLA BARRISII / CORAL BERRY / CORAL BERRY CORONILLA	10' X 10' ONE / B/D
EM	10	ESCHSCHOLIA BALSAMIFERA / WILLOW HERB	10' X 10' ONE / B/D
ICH	2	ILEX GLABRA / HEDGE	10' X 10' ONE / B/D
IS	12	ILEX GLABRA / HEDGE	10' X 10' ONE / B/D
TND	12	TAXUS MEDIA / SPREADING YEW	10' X 10' ONE / B/D
PT	12	PATINIA FRAXELI / RED PATINIA	10' X 10' ONE / B/D

Unit Types C-2 & C-3



FRONT
NOT TO SCALE

Plant List FOR BLDGS FACING W-WN-N-NE

KEY	QTY	BOTANICAL / COMMON NAME	SIZE + COND
OUT	10	CORNYSS STYLIANIFERA / PEACHBERRY CORNADO	2' 3" HT. ONE / B/D
COB	5	CORONILLA BARRISII / CORAL BERRY / CORAL BERRY CORONILLA	10' X 10' ONE / B/D
CS	10	CORONILLA BARRISII / CORAL BERRY / CORAL BERRY CORONILLA	10' X 10' ONE / B/D
EM	2	ESCHSCHOLIA BALSAMIFERA / WILLOW HERB	10' X 10' ONE / B/D
ICH	2	ILEX GLABRA / HEDGE	10' X 10' ONE / B/D
IS	12	ILEX GLABRA / HEDGE	10' X 10' ONE / B/D
TND	12	TAXUS MEDIA / SPREADING YEW	10' X 10' ONE / B/D

NOTE: SEE SHEET NO. 11 FOR PLANTING DETAILS AND PLANTING NOTES.

APPROVED
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE: 1-22-88
AMS

HOWARD COUNTY APPROVAL
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM,
HOWARD COUNTY HEALTH DEPARTMENT.
DATE: 7-1-88
DATE: 7/8/88
DATE: 7/8/88
AMS

NO.	REVISION	DATE	BY	APPROVED
1	REVISED	7/8/88		

Patton Harris Rust and Associates
A Professional Corporation
Engineers, Surveyors, Planners and Landscape Architects
7809 STANDISH PLACE ROCKVILLE, MD 20855 (301) 7

LANDSCAPE ARCHITECTS
10726 BELLEVUE AVE. SUITE 20705
ROCKVILLE, MD 20855
(301) 780-4000

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT

James M. Anderson, P.E. 7-1-91
COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
James M. Anderson 7/8/88
PLANNING DIRECTOR DATE

James M. Anderson 7/8/88
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

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

DIRECTOR DATE

HOWARD COUNTY APPROVAL *CHIEF, BUREAU OF ENGINEERING* 6/26/88 DATE

KEY

SYMBOL DESCRIPTION

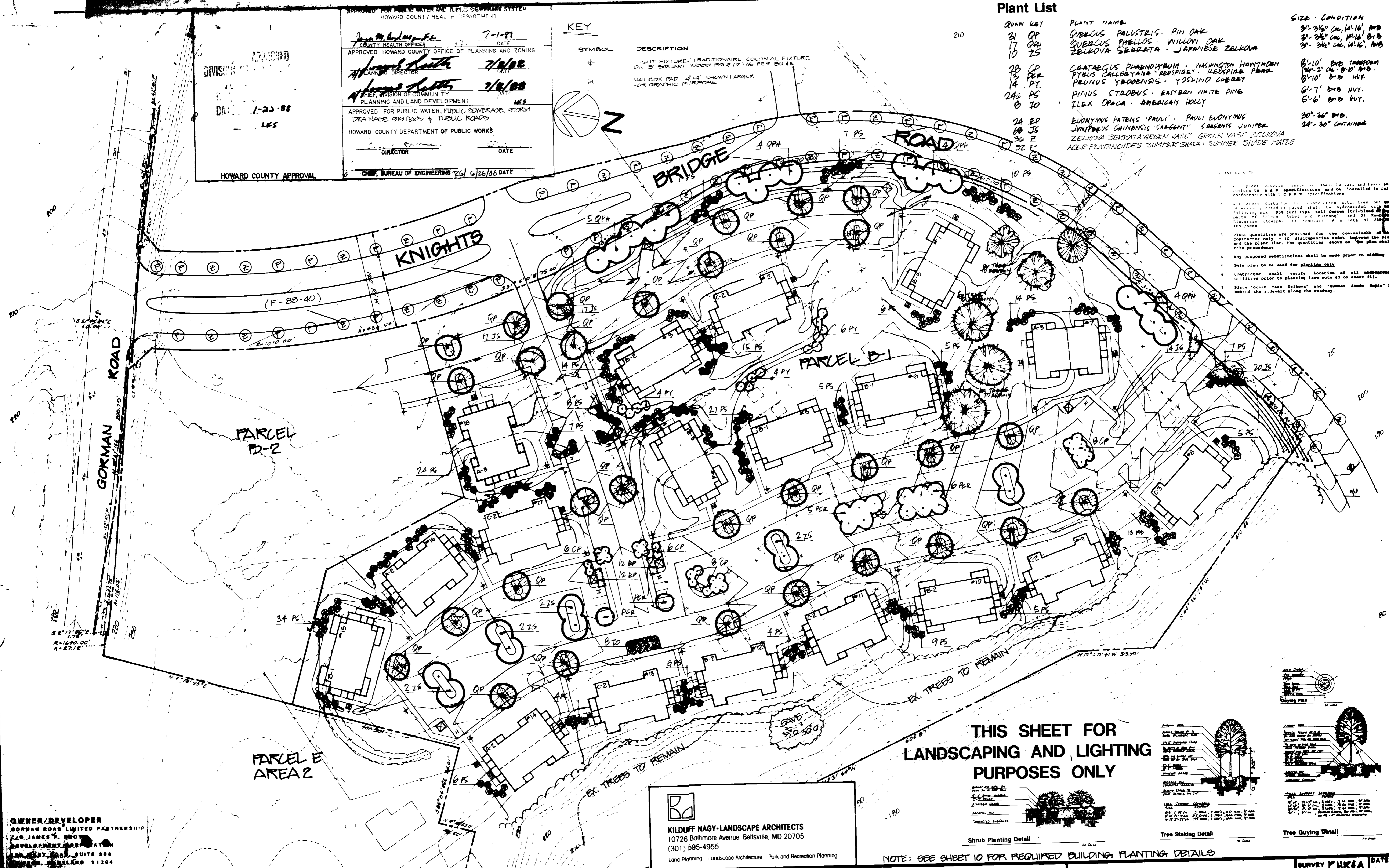
⊕ LIGHT FIXTURE - TRADITIONAL COLONIAL FIXTURE ON 8' SQUARE WOOD POLE (12) AS PER SPEC

⊙ MAILBOX PAD - 4'x4' SHOWN LARGER FOR GRAPHIC PURPOSE

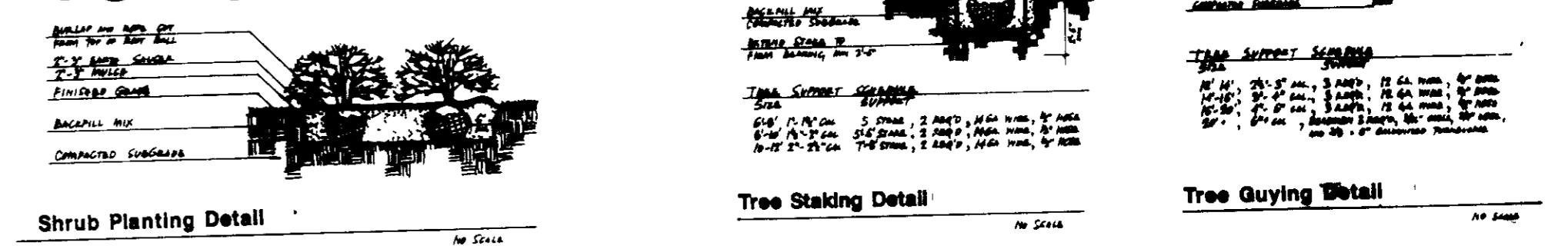
Plant List

QUAN	KEY	PLANT NAME	SIZE - CONDITION
21	QP	QUERCUS PRALUSTEIS - PIN OAK	3'-3 1/2" CAL, 14'-16", DBH
17	QP	QUERCUS PHellos - WILLOW OAK	3'-3 1/2" CAL, 14'-16", DBH
10	ZS	ZELKOVA SERBATA - JAPANESE ZELKOVA	3'-3 1/2" CAL, 14'-16", DBH
28	CP	CRATAEGUS PHAENOPYRUM - WASHINGTON HAWTHORN	8'-10' DBH, THORNTON
13	PER	PRUNUS ALLEUTIANA "RESPIRANS" - RESPIRANT CHERRY	8'-10' DBH, HUY.
14	PY	PRUNUS YODDENSIENSIS - YOSHINO CHERRY	8'-10' DBH, HUY.
246	PS	PINUS STROBUS - EASTERN WHITE PINE	5'-6' DBH, HUY.
6	IO	ILEX OPACA - AMERICAN HOLLY	30"-36" DBH.
24	EP	EVONYMUS PATENS "PAULI" - PAULI EVONYMUS	24"-30" CONTAINER.
68	JS	JUNIPERUS CHINENSIS "SARGENTI" - SARGENT JUNIPER	
30	Z	ZELKOVA SERBATA "GREEN VASE" - GREEN VASE ZELKOVA	
52	Z	ACER PLATANOIDES "SUMMER SHADE" - SUMMER SHADE MAPLE	

1. All plant material shall be shown in full and heavy and conform to A & H specifications and be installed in full accordance with L.C.A.W. specifications.
2. All areas disturbed by construction activities shall be immediately planted or covered with hydroseeded with the following mix: 95% turf-type tall fescue (tri-bloom), 2% ryegrass (annual), 2% timothy and 1% clover. Seed shall be Bluegrass (Adelphi) or similar at a rate of 250 lbs/acre.
3. Plant quantities are provided for the convenience of the contractor only - if discrepancies exist between the plan and the plant list, the quantities shown on the plan shall take precedence.
4. Any proposed substitutions shall be made prior to bidding.
5. This plan to be used for planting only.
6. Contractor shall verify location of all underground utilities prior to planting (see note #3 on sheet #1).
7. Place "Green Vase Zelkova" and "Summer Shade Maple" behind the sidewalk along the roadway.



THIS SHEET FOR LANDSCAPING AND LIGHTING PURPOSES ONLY



KILDUFF NAGY LANDSCAPE ARCHITECTS
10726 Baltimore Avenue Beltsville, MD 20705
(301) 595-4955
Landscape Planning Landscape Architecture Park and Recreation Planning

NOTE: SEE SHEET 10 FOR REQUIRED BUILDING PLANTING DETAILS

OWNER/DEVELOPER
GORMAN ROAD LIMITED PARTNERSHIP
220 JAMES E. BROOKS
DEVELOPMENT CORPORATION
SUITE 203
11204 LANSING AVE
BETHESDA, MD 20814

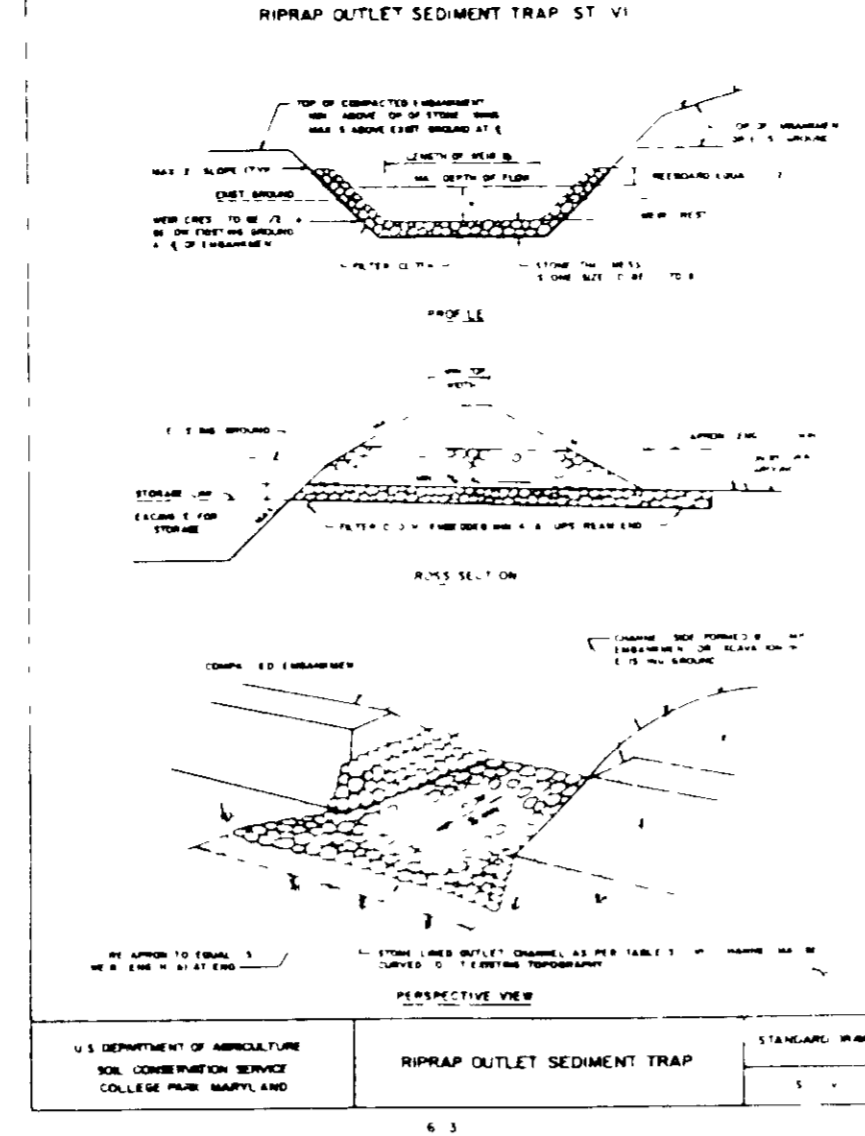
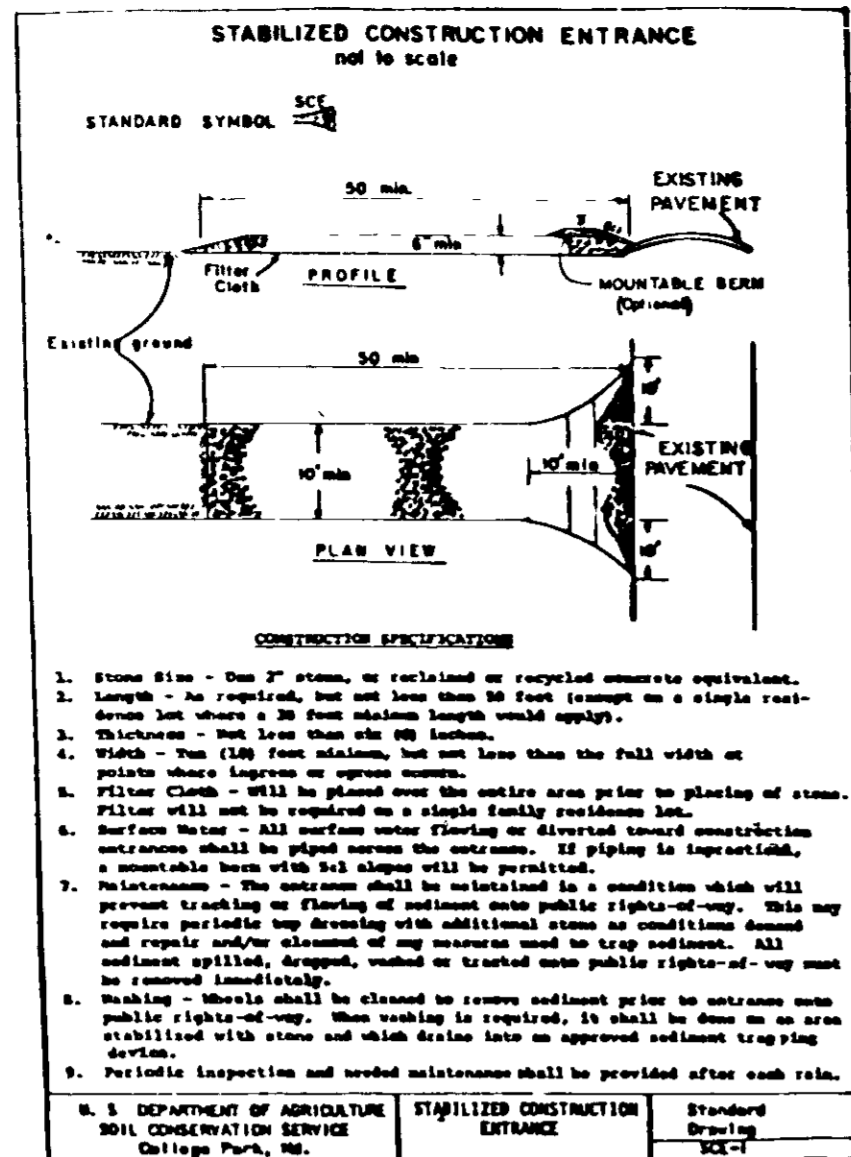
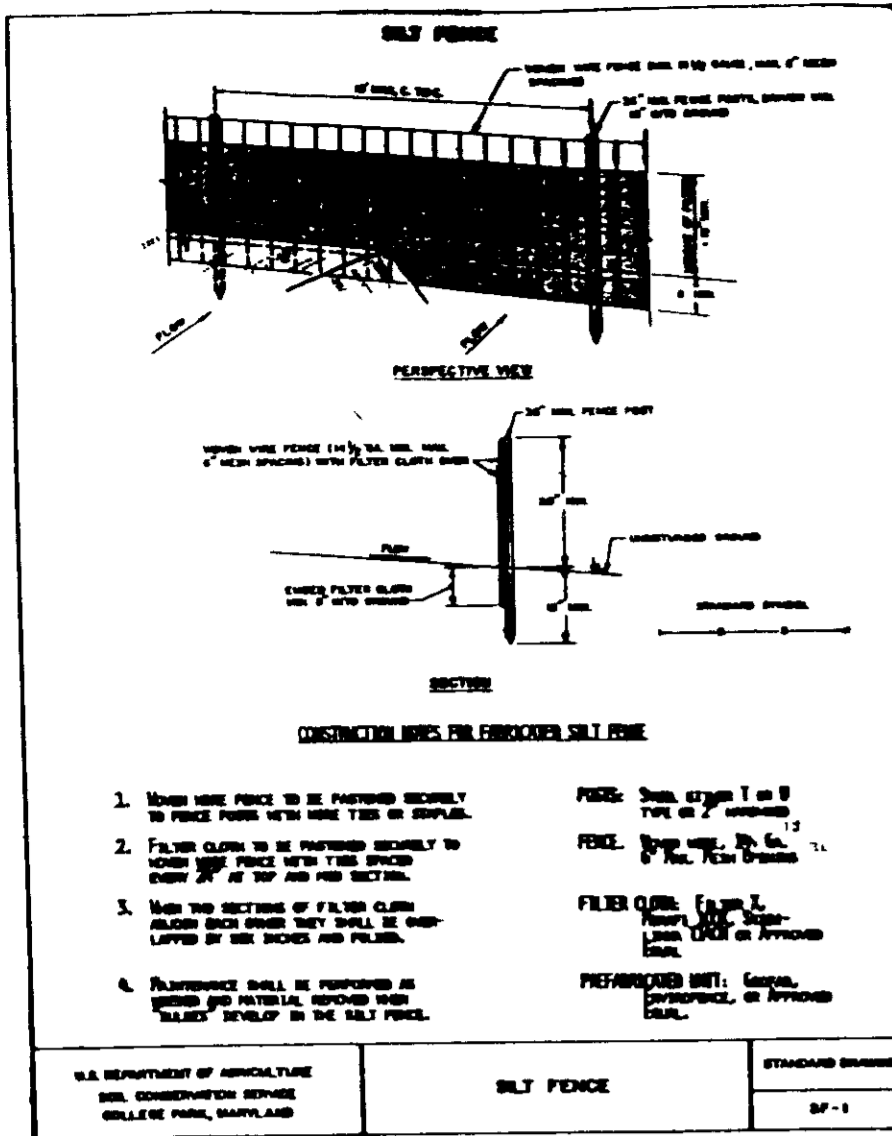
DATE	1-23-88
APPROVED	LKS
DATE	7-1-91
APPROVED	J.M.A.
DATE	7/8/88
APPROVED	J.M.A.
DATE	7/8/88
APPROVED	J.M.A.
DATE	6/26/88
APPROVED	J.M.A.

LANDSCAPING AND LIGHTING PLAN

Patton Harris Rust and Associates
A Professional Corporation
Engineers, Surveyors, Planners and Landscape Architects
7609 STANDISH PLACE ROCKVILLE, MD 20855 (301) 762-2220

BOWLING BROOK FARMS	DATE	9-14-87
PARCEL B-1 AND LOT 213	DESIGN	PHR/A
A RESUBDIVISION OF BOWLING BROOKE, LOT 2	DRAWN	CPH/MCN
SIXTH ELECTION DISTRICT	CHECKED	
TAX MAP 47	SCALE	1"=50'
L1394	PARCEL	141
	F.632	
	SHEET	12 OF 18
	DATE	7/8/88

SDA 88-51



ABSTRACT OF SPECIFICATIONS FOR ST-1

The area under consideration shall be graded and any soil to be placed at the site shall be tested.

1. The area shall be graded over the entire area prior to placing of stone. Sections of fabric shall be placed over the entire area to be graded. The fabric shall be embedded at least six (6) inches into existing ground or subgrade.

2. The structure shall be constructed with a minimum of 18" concrete walls and a minimum of 18" concrete floor.

3. The structure shall be constructed with a minimum of 18" concrete walls and a minimum of 18" concrete floor.

4. The structure shall be constructed with a minimum of 18" concrete walls and a minimum of 18" concrete floor.

5. The structure shall be constructed with a minimum of 18" concrete walls and a minimum of 18" concrete floor.

6. The structure shall be constructed with a minimum of 18" concrete walls and a minimum of 18" concrete floor.

7. The structure shall be constructed with a minimum of 18" concrete walls and a minimum of 18" concrete floor.

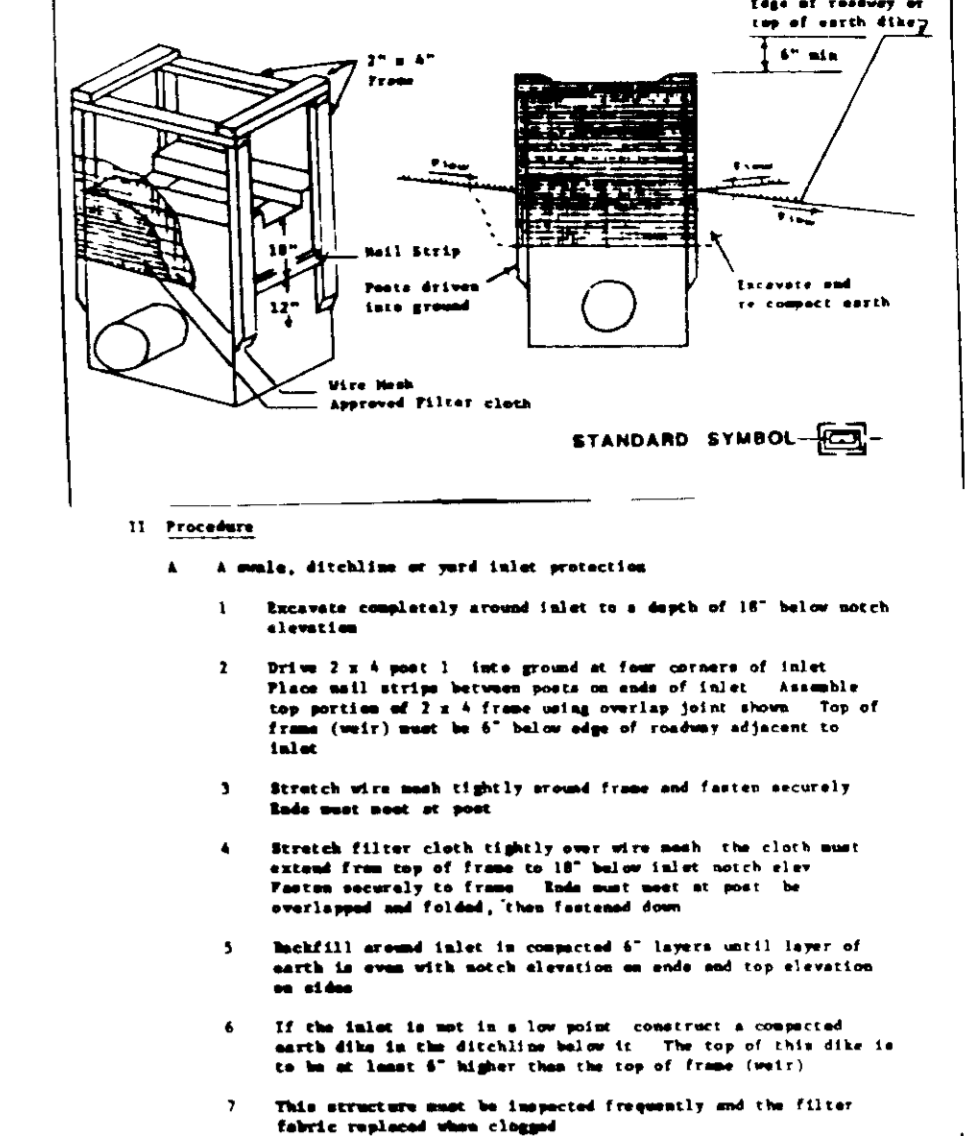
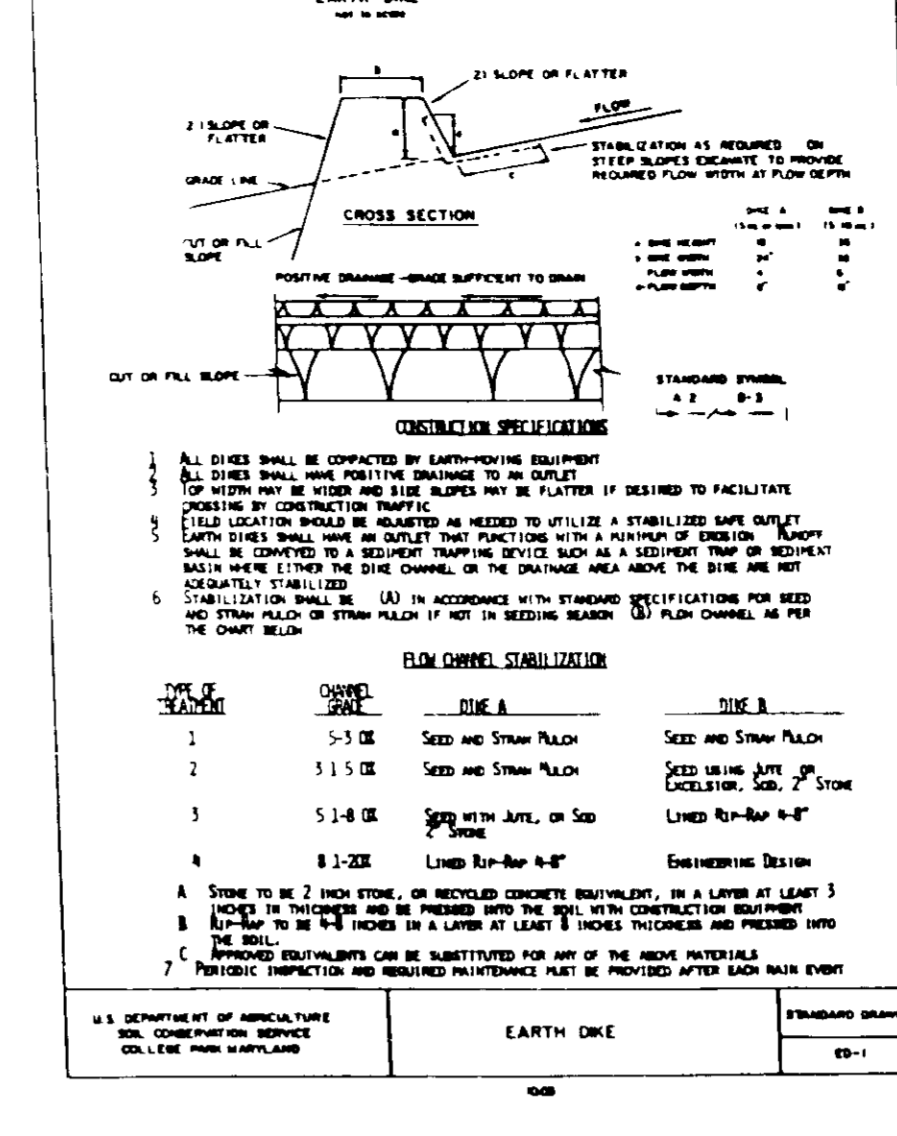
8. The structure shall be constructed with a minimum of 18" concrete walls and a minimum of 18" concrete floor.

9. The structure shall be constructed with a minimum of 18" concrete walls and a minimum of 18" concrete floor.

10. The structure shall be constructed with a minimum of 18" concrete walls and a minimum of 18" concrete floor.

11. The structure shall be constructed with a minimum of 18" concrete walls and a minimum of 18" concrete floor.

12. The structure shall be constructed with a minimum of 18" concrete walls and a minimum of 18" concrete floor.



SEDIMENT CONTROL NOTES

- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction (892-2437).
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1985 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- Following initial soil disturbance or redisturbance permanent or temporary stabilization shall be completed within a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 days as to all other disturbed or graded areas on the project site.
- All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1 Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- All disturbed areas must be stabilized within the time period specified above in accordance with the 1985 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) and (Sec. 54) temporary seedings (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
- All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
- Site Analysis:
Total Area of Site: 28.0 Acres
Area Disturbed: 28.0 Acres
Area to be reseeded or paved: 28.0 Acres
Area to be vegetatively stabilized: 0.0 Acres
Total Cu. Yds: 24000 Cu. Yds
Total Fill: 24000 Cu. Yds
Off-site water/borrow area location: N/A
- Any sediment control practice which is disturbed by grading activities for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment controls must be provided if deemed necessary by the Howard County DPM Sediment Control Inspector.
- All sites with disturbed areas in excess of 2 acres approval of the construction agency shall be requested and approved before installation of any sediment control structures. All sites with 2 or more acres of disturbed areas shall be approved by the construction agency before installation of any sediment control structures.

PERMANENT SEEDING NOTES

Apply to graded or cleared areas not subject to immediate furrow disturbance where a permanent long-lived vegetative cover is needed.

Seedbed Preparation Loosen upper three inches of soil by raking, disking or other acceptable means before seeding.

Soil Amendments In lieu of soil test recommendations use one of the following schedules:

- Preferred -- Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq ft).
- Acceptable -- Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil.

Seeding - For the periods March 1 thru April 30 and August 1 thru October 15, seed with 60 lbs/acre (1.4 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs/acre Kentucky 31 Tall Fescue per acre and 2 lbs per acre (0.5 lbs/1000 sq ft) of weeping lovegrass during the period of October 16 thru February 28 on project site b). Option (3) 2 tons per acre of well-anchored straw mulch and seed as soon as possible in the spring. Option (2) Use and Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

Mulching - Apply 1 1/2 to 2 tons per acre (10 to 20 lbs/1000 sq ft) of untreated small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher use 318 gallons per acre (6 gal/1000 sq ft) for anchoring.

Maintenance - Inspect all seeded areas and make needed repairs, replacement and reseedings.

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas not to be redisturbed where a short-term vegetative cover is needed.

Seedbed Preparation Loosen upper 3 to 4 inches of soil by raking, disking or other acceptable means before seed.

Soil Amendments Apply 60 lbs per acre 10-10-10 fertilizer (1.4 lbs/1000 sq ft).

Seeding For period March 1 thru April 30 and from August 1 thru November 31, seed with 2 bushels per acre of annual ryegrass (3.2 lbs/1000 sq ft). For the period May 1 thru August 31, seed with 3 lbs per acre of weeping lovegrass (0.7 lbs/1000 sq ft). For the period November 1 thru February 28, seed with 2 bushels per acre of annual ryegrass (3.2 lbs/1000 sq ft) and 1 acre of well anchored straw mulch and seed as soon as possible in the spring.

Mulching - Apply 1 1/2 to 2 tons per acre (10 to 20 lbs/1000 sq ft) of untreated small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher use 318 gallons per acre (6 gal/1000 sq ft) for anchoring.

CONSTRUCTION SEQUENCE

- MAINTAIN EXISTING SEDIMENT CONTROL STRUCTURES AND MEASURES IN PLACE PER ROUGH GRADING PLANS (GP-88-11) SHEETS 1 THRU 5, BOWLING BROOK FARMS SECTIONS 2 AND 3.
- OBTAIN GRADING PERMIT FOR PARCELS B 1, M AND LOT 213.
- GRADE SITE (FINAL).
- APPLY PERMANENT VEGETATIVE STABILIZATION PER SEEDING NOTES TO ALL DISTURBED AREAS PRIOR TO REMOVAL OF SEDIMENT CONTROL DEVICES.
- PROCEED WITH UTILITY, STREET AND DWELLING UNIT CONSTRUCTION.
- REMOVE SEDIMENT CONTROL MEASURES AS DIRECTED BY THE SEDIMENT CONTROL INSPECTOR.

DEVELOPER CERTIFICATION

I hereby certify that all development and construction shown on this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction of this project will have a Certificate of Approval from a Department of Natural Resources Approved Training Program for the Control of Erosion and Sedimentation before beginning the construction. I also authorize periodic onsite inspection by the Howard County Sediment Control District or their authorized agents as deemed necessary.

R.P. Basowitz 4/6/88
Signature of Developer/Builder

ENGINEER CERTIFICATION

I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on a personal knowledge of the site conditions and that I was prepared in accordance with the requirements of the Howard County Sediment Control District.

John F. Rust 4/6/88
Signature of Engineer

OWNER/DEVELOPER
GORMAL ROAD LIMITED PARTNERSHIP
C/O JAMES F. KNOTT
DEVELOPMENT CORPORATION
110 WEST ROAD, SUITE 203
TOWSON, MARYLAND 21204
(801) 321-6436

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT

James M. [Signature] 7-1-88
COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING

James F. Knott 7/8/88
PLANNING DIRECTOR DATE

APPROVED DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

James F. Knott 7/6/88
DATE

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

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

James M. [Signature] 6/23/88
DIRECTOR DATE

SEDIMENT TRAP #	1	2
TYPE OF TRAP - STD & SPEC #	ST-III	ST-III
DRAINAGE AREA (ACRES)	14.2	6.3
STORAGE REQUIRED (FT ³)	25,560	11,340
STORAGE PROVIDED (FT ³)	25,950	11,550
BASE DIMENSIONS & ELEV	53' x 53' @ 201.25	52' x 57' @ 167.25
WEIR LENGTH & ELEV	16' @ 205.5	14' @ 171.25
STORAGE DEPTH	3'	3'
EMBANKMENT HT & TOP ELEV	3' @ 209.5	25' @ 174.5
MAX DEPTH OF FLOW OVER WEIR	20'	1.5'

THREE SEALS ARE REQUIRED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS.

James M. [Signature] 4/28/88
U.S. Soil Conservation Service Date

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

Howard S. C. D. [Signature]
Date

NO.	DESCRIPTION	DATE	APPROVED	DATE
1	REVISED PER HQ CO	4-5-88		

HOWARD COUNTY APPROVAL

CHIEF, BUREAU OF ENGINEERING 6/28/88 DATE

REVISION

STATE OF MARYLAND
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY ENGINEER

DETAIL SHEET (E&SC)

Patton Harris Rust and Associates
A Professional Corporation
Engineers, Surveyors, Planners and Landscape Architects
7609 STANDISH PLACE ROCKVILLE MD. 20855 (301) 762-2220

BOWLING BROOK FARMS
PARCEL B-1 AND LOT 213
A RESUBDIVISION OF BOLLING BROOKE, LOT 2
SIXTH ELECTION DISTRICT
TAX MAP 47 PARCEL 141
L 1394

SURVEY	DATE
JPC	9-14-87
DRAWN	SHEET
JPC	13 OF 18
CHECKED	FILE NO
JPC	2184-10
SCALE	C.L.
	SDA 88-51

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM,
HOWARD COUNTY HEALTH DEPARTMENT

James M. [Signature] 7-1-88
COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING

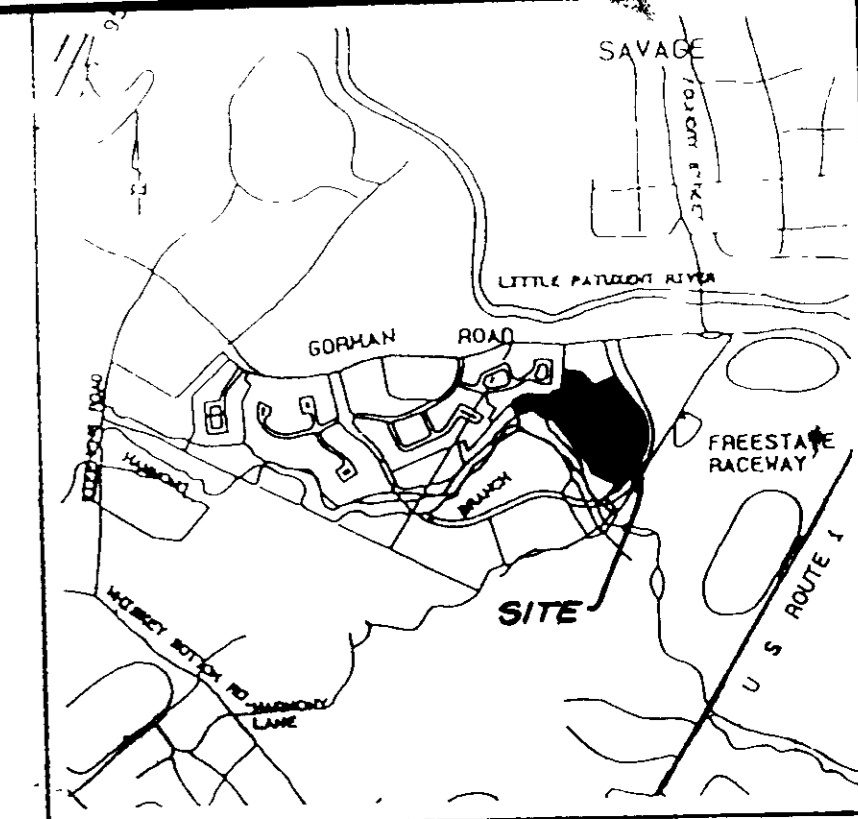
[Signature] 7/8/88
PLANNING DIRECTOR DATE

[Signature] 7/8/88
PLANNING AND LAND DEVELOPMENT DATE

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

James M. [Signature] 6/29/88
DIRECTOR DATE

[Signature] 6/18/88
CHIEF, BUREAU OF ENGINEERING DATE



THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL
CONSERVATION DISTRICT AND MEET TECHNICAL
REQUIREMENTS

James M. [Signature] 4-28-88
U.S. Soil Conservation Service Date

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

[Signature] 4/28/88
APPROVED HOWARD S.O.D. DATE

PLAN NUMBER

DEVELOPER'S/BUILDER'S CERTIFICATE

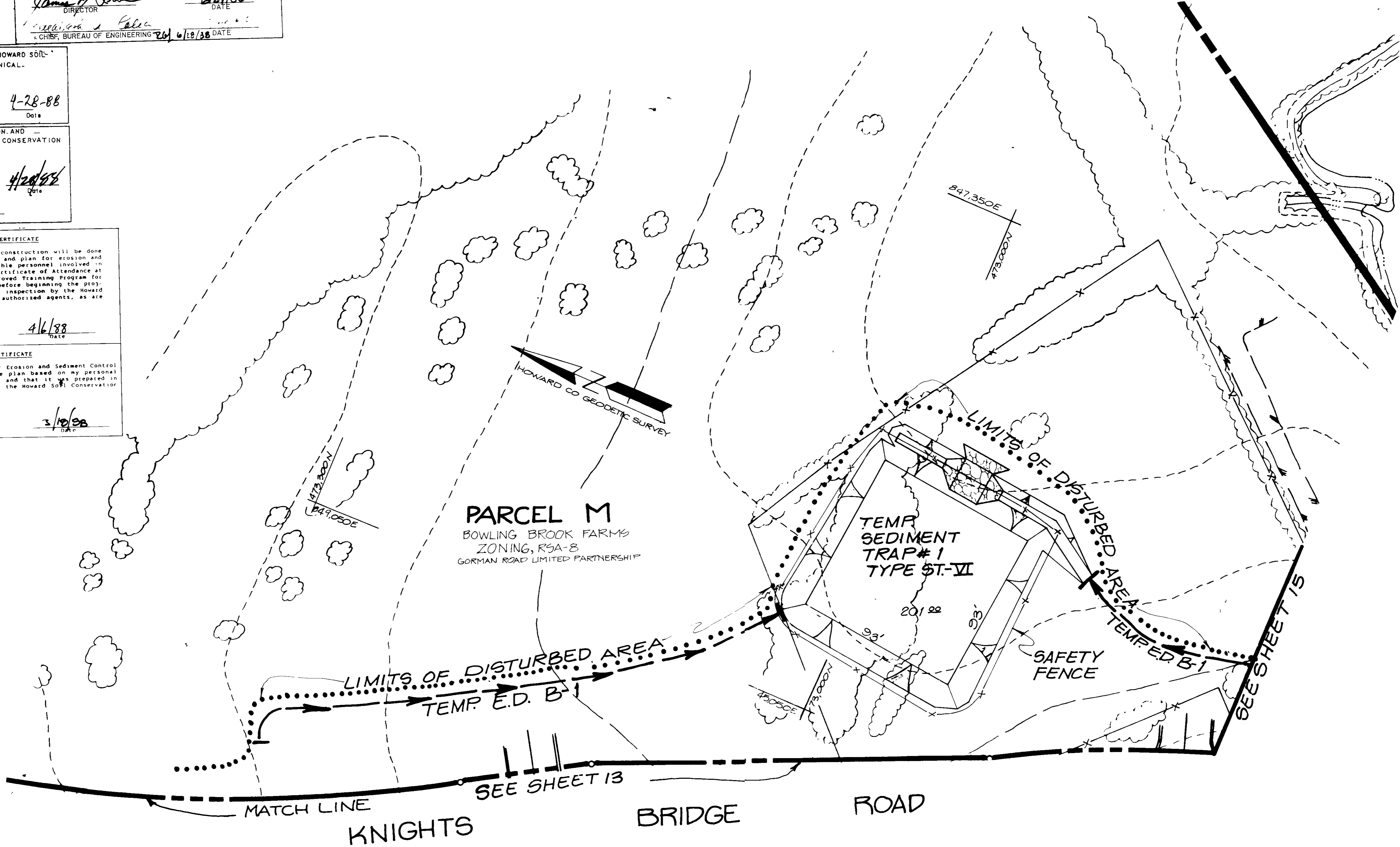
I/We certify that all development and construction will be done
according to this plan of development and plan for erosion and
sediment control and that all responsible personnel involved in
the construction project will have a Certificate of Attendance at
a Department of Natural Resources Approved Training Program for
the Control of Sediment and Erosion before beginning the project.
I also authorize periodic onsite inspection by the Howard
Soil Conservation District or their authorized agents, as are
deemed necessary.

RP Boworth 4/6/88
Signature of Developer/Builder Date

ENGINEER'S CERTIFICATE

I hereby 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.

[Signature] 3/10/88
Signature of Engineer Date



OWNER/DEVELOPER
GORMAN ROAD LIMITED PARTNERSHIP
C/O JAMES T. KNOTT
DEVELOPMENT CORPORATION
110 WEST ROAD, SUITE 203
TOWSON, MARYLAND 21204
(801) 321-6436

THIS SHEET FOR EROSION AND SEDIMENT CONTROL ONLY

EROSION & SEDIMENT CONTROL PLAN

Patton Harris Rust and Associates
A Professional Corporation
Engineers, Surveyors, Planners and Landscape Architects
7609 STANDISH PLACE ROCKVILLE MD. 20855 (301) 762-2220

**BOWLING BROOK FARMS
PARCEL B-1 AND LOT 213**
A RESUBDIVISION OF BOLLING BROOKE, LOT 2
SIXTH ELECTION DISTRICT
TAX MAP 47 PARCEL 141
L 1394 F 632

SURVEY	DATE
DESIGN JPC	9-14-87
DRAWN CSR	SHEET
CHECKED	15 of 18
SCALE	FILE NO
C.I.	2184-1-0

NO.	DESCRIPTION	DATE	APPROVED	DATE
1	REVISED PER HO CO			4-28-88

REVISION APPROVED BY



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT

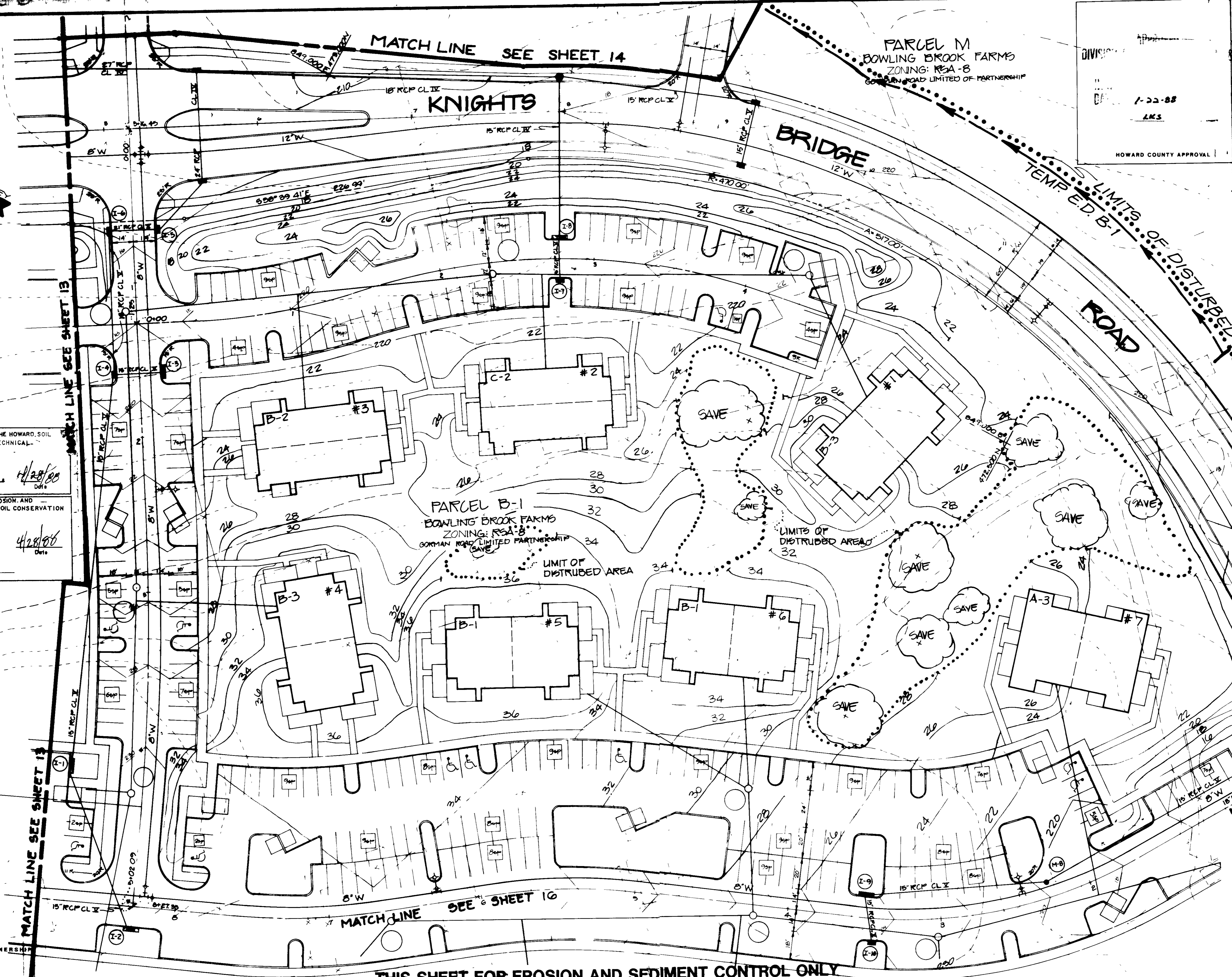
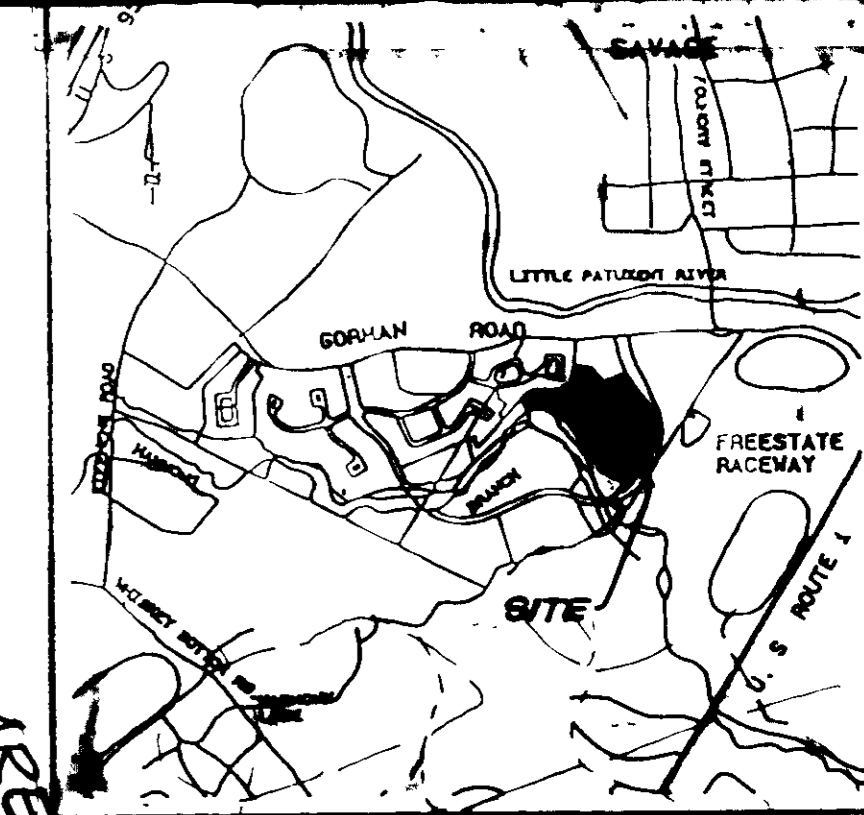
APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

APPROVED FOR SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS

APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

DATE: 7/7/88
DATE: 7/8/88
DATE: 7/8/88
DATE: 4/24/88

DATE: 4/24/88



THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS

APPROVED: [Signature] 4/28/88
DATE: 4/28/88

APPROVED: [Signature] 4/28/88
DATE: 4/28/88

PLAN NUMBER

OWNER/DEVELOPER
GORMAN ROAD LIMITED PARTNERSHIP
C/O JAMES F. KNIGHT
DEVELOPMENT CORPORATION
110 WEST ROAD, SUITE 203
TOWSON, MARYLAND 21284
(800) 321-8434

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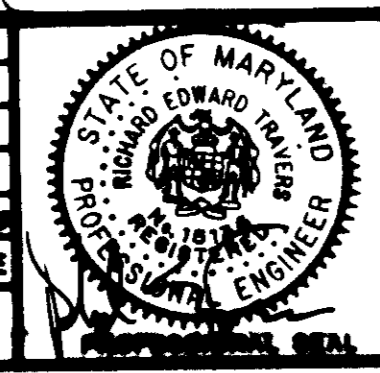
EROSION & SEDIMENT CONTROL PLAN

Patton Harris Rust and Associates
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Engineers, Surveyors, Planners and Landscape Architects
7609 STANDISH PLACE ROCKVILLE MD. 20855 (301) 762-2220

BOWLING BROOK FARMS
PARCEL B-1 AND LOT 213
A RESUBDIVISION OF BOWLING BROOKE, LOT 2
SIXTH ELECTION DISTRICT
TAX MAP 47 L 1394 PARCEL 141 F 632

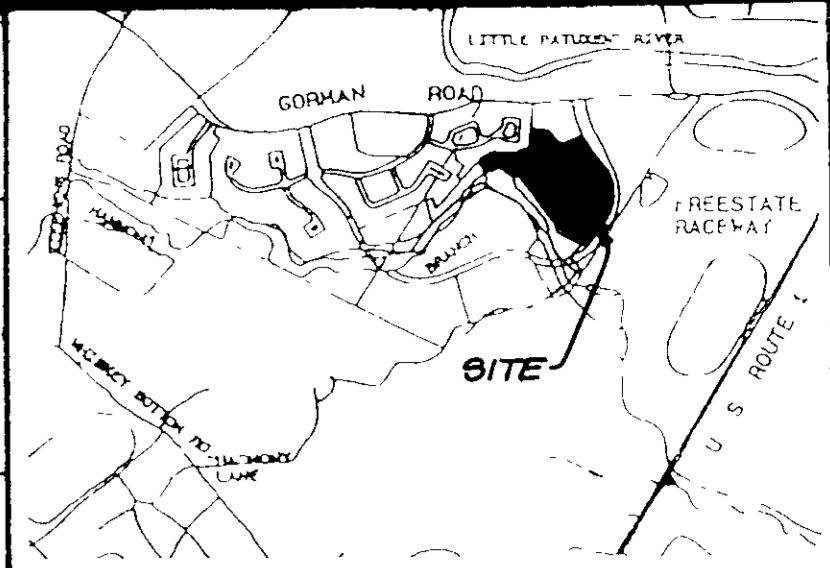
DESIGN	DATE
JPC	9-14-87
CGR	SHEET
	16 OF 18
CHECKED	FILE NO
	2184-1-0
SCALE 1"=50'	
C.L. 2'	

NO.	DESCRIPTION	DATE	APPROVED	DATE
1	REVISED PER HO. CO.	4-28-88	[Signature]	4-28-88
REVISION APPROVED BY				

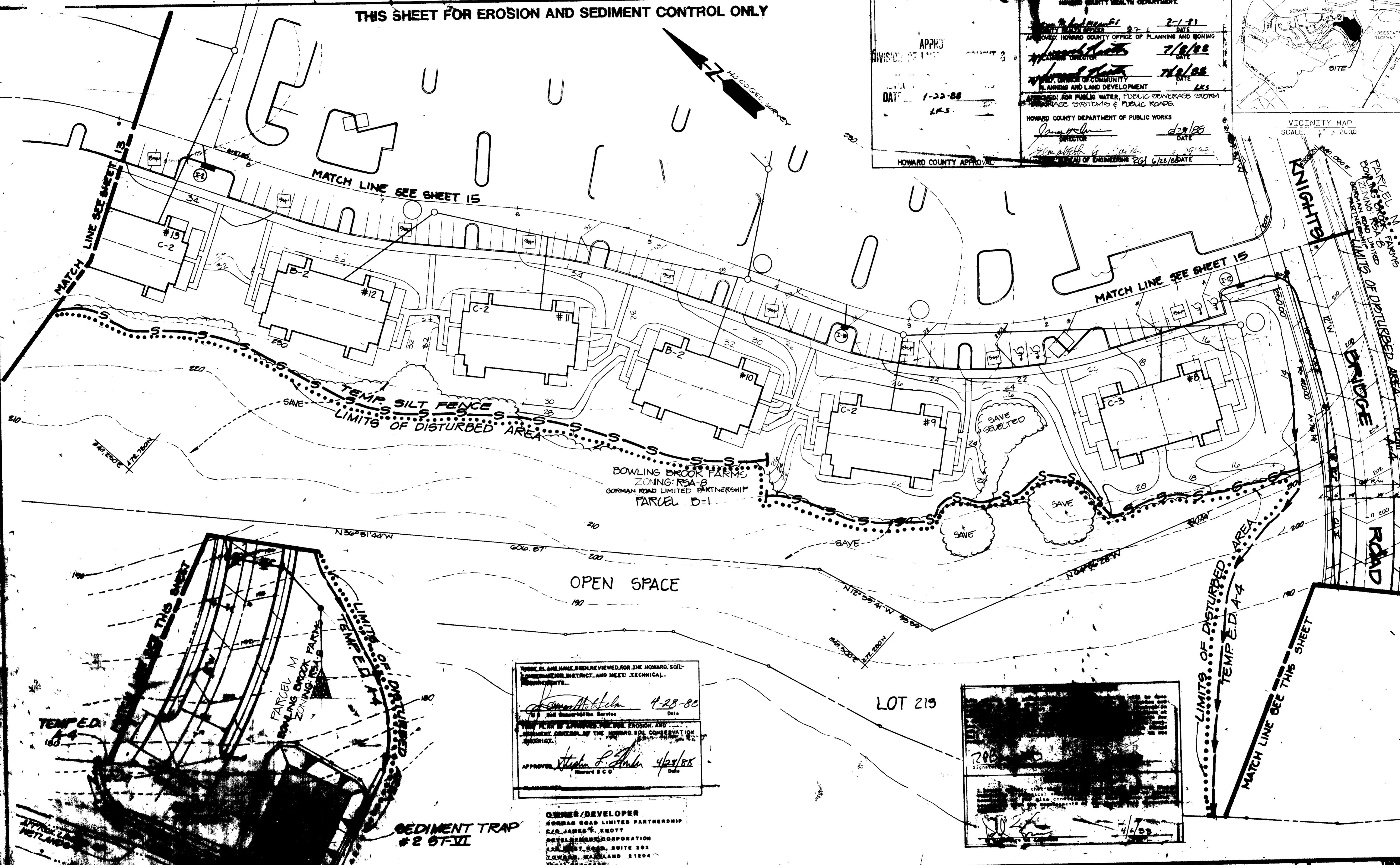


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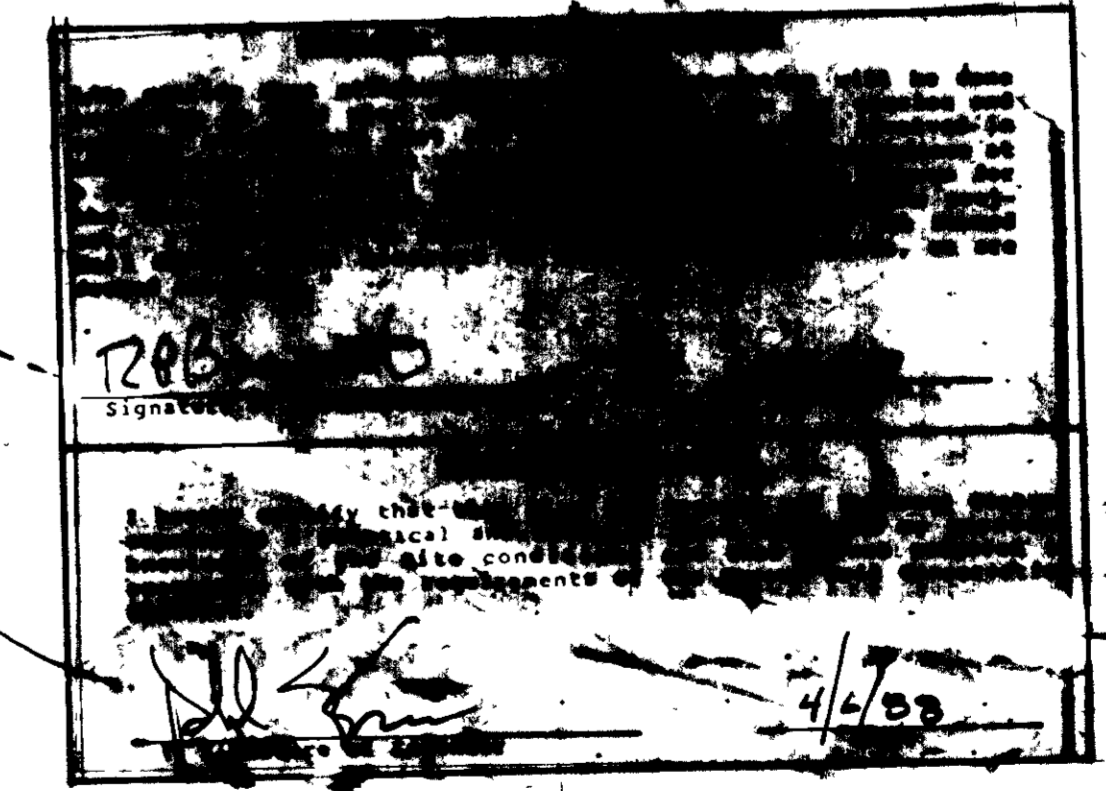
APPROVED: *[Signature]* 7-1-81
 DATE: 7/1/81
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
 PLANNING DIRECTOR: *[Signature]* 7/8/88
 DATE: 7/8/88
 APPROVED: DIRECTOR OF COMMUNITY PLANNING AND LAND DEVELOPMENT
 DATE: 7/8/88
 APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: *[Signature]* 6/29/88
 DATE: 6/29/88
 APPROVED: *[Signature]* 6/22/88
 DATE: 6/22/88
 HOWARD COUNTY APPROVAL



VICINITY MAP
 SCALE: 1" = 2000'



THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET TECHNICAL REQUIREMENTS.
[Signature] 4-28-88
 DATE: 4-28-88
 SOIL CONSERVATION SERVICE
 THE PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
[Signature] 4/28/88
 DATE: 4/28/88
 APPROVED: HOWARD SCD



OWNER/DEVELOPER
 GORMAN ROAD LIMITED PARTNERSHIP
 P/O. JAMES W. KNOTT
 PEBBLE BEACH CORPORATION
 12800 WYOMING, SUITE 203
 LOWNDES, MARYLAND 21104
 TEL: 410-271-2727

EROSION & SEDIMENT CONTROL PLAN

Patton Harris Rust and Associates
 A Professional Corporation
 Engineers, Surveyors, Planners and Landscape Architects
 7609 STANDISH PLACE ROCKVILLE MD. 20855 (301) 762-2220

BOWLING BROOK FARMS
 PARCEL B-1 AND LOT 213
 A RESUBDIVISION OF BOWLING BROOKE, LOT 2
 SIXTH ELECTION DISTRICT
 TAX MAP 47 PARCEL 141
 L 1394 F 632

SURVEY	DATE
DRAWN JFC	9-14-87
CHECKED COR	CHECKED
SCALE 1" = 50'	FILE NO.
SDP-88-51	17 OF 10

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEM,
HOWARD COUNTY HEALTH DEPARTMENT

James M. Knott 7-1-88
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

James M. Knott 7/8/88
PLANNING DIRECTOR DATE

James M. Knott 7/8/88
SHERIFF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS & PUBLIC ROADS.

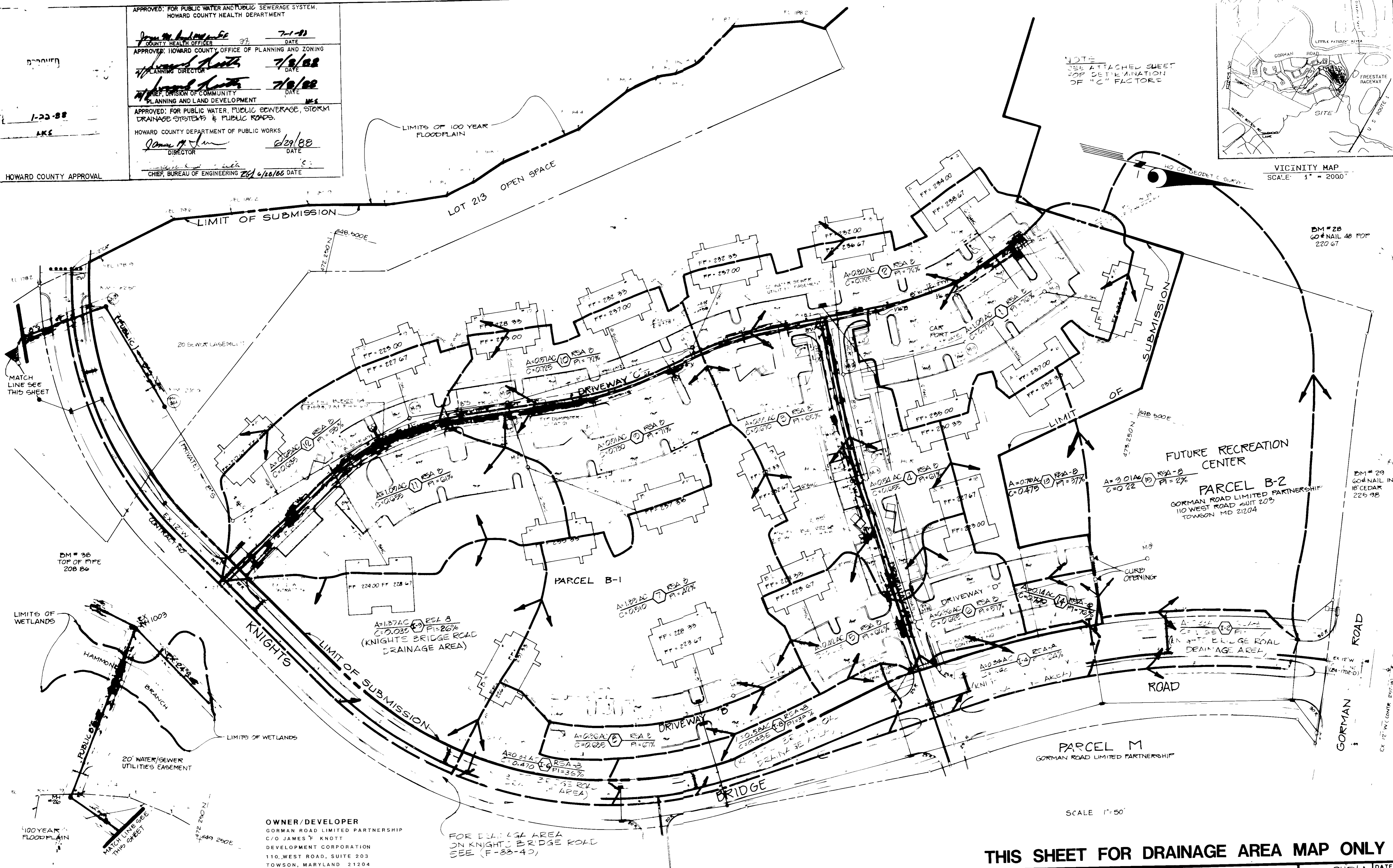
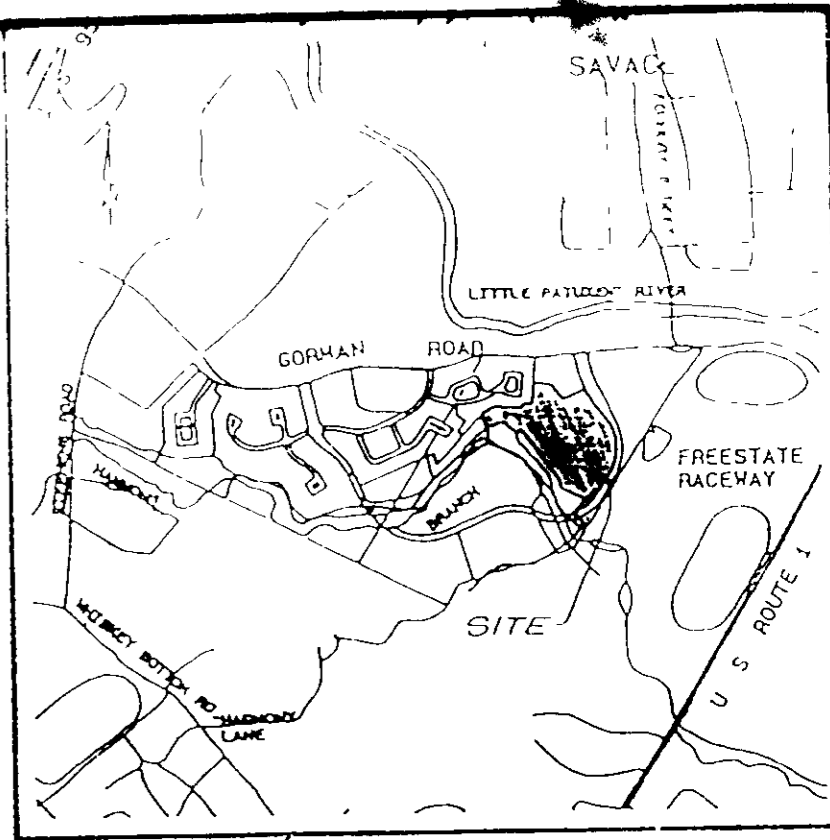
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

James M. Knott 6/29/88
DIRECTOR DATE

CHIEF, BUREAU OF ENGINEERING 2/6/88 DATE

DATE 1-22-88
AKS

HOWARD COUNTY APPROVAL



NOTE
SEE ATTACHED SHEET
FOR DETERMINATION
OF "C" FACTORS

VICINITY MAP
SCALE: 1" = 2000'

DM # 28
60' NAIL 48' POP
220.67

DM # 29
60' NAIL IN
18' CEDAR
225.98

OWNER/DEVELOPER
GORMAN ROAD LIMITED PARTNERSHIP
C/O JAMES F. KNOTT
DEVELOPMENT CORPORATION
110 WEST ROAD, SUITE 203
TOWSON, MARYLAND 21204
(801) 321-6436

FOR DRAINAGE AREA
ON KNIGHTS BRIDGE ROAD
SEE (F-88-40)

THIS SHEET FOR DRAINAGE AREA MAP ONLY

NO.	DESCRIPTION	DATE	APPROVED	DATE
1	REVISED PER HQ. CO.	4-5-88		
REVISION APPROVED BY				



REVISED

DRAINAGE AREA MAP

Patton Harris Rust and Associates
A Professional Corporation
Engineers, Surveyors, Planners and Landscape Architects
7609 Standish Place Rockville, Maryland 20855 (301)762-2220

BOWLING BROOK FARMS
PARCEL B-1 AND LOT 213
A RESUBDIVISION OF BOLLING BROOKE, LOT 2
SIXTH ELECTION DISTRICT
TAX MAP 47 PARCEL 141
L 1394 F 632

SURVEY AREA	DATE
DESIGN MJK	11/17/87
DRAWN BLF	SHEET
CHECKED	18 OF 18
SCALE 1" = 50'	FILE NO
C.I.	2104-1-0

SDA 88-51