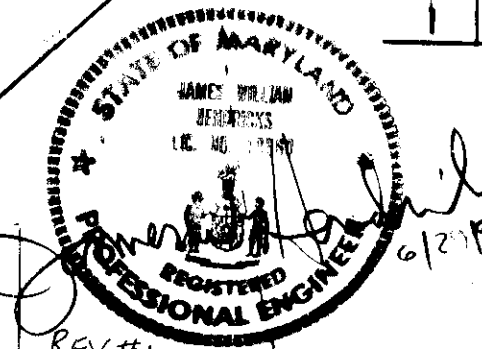
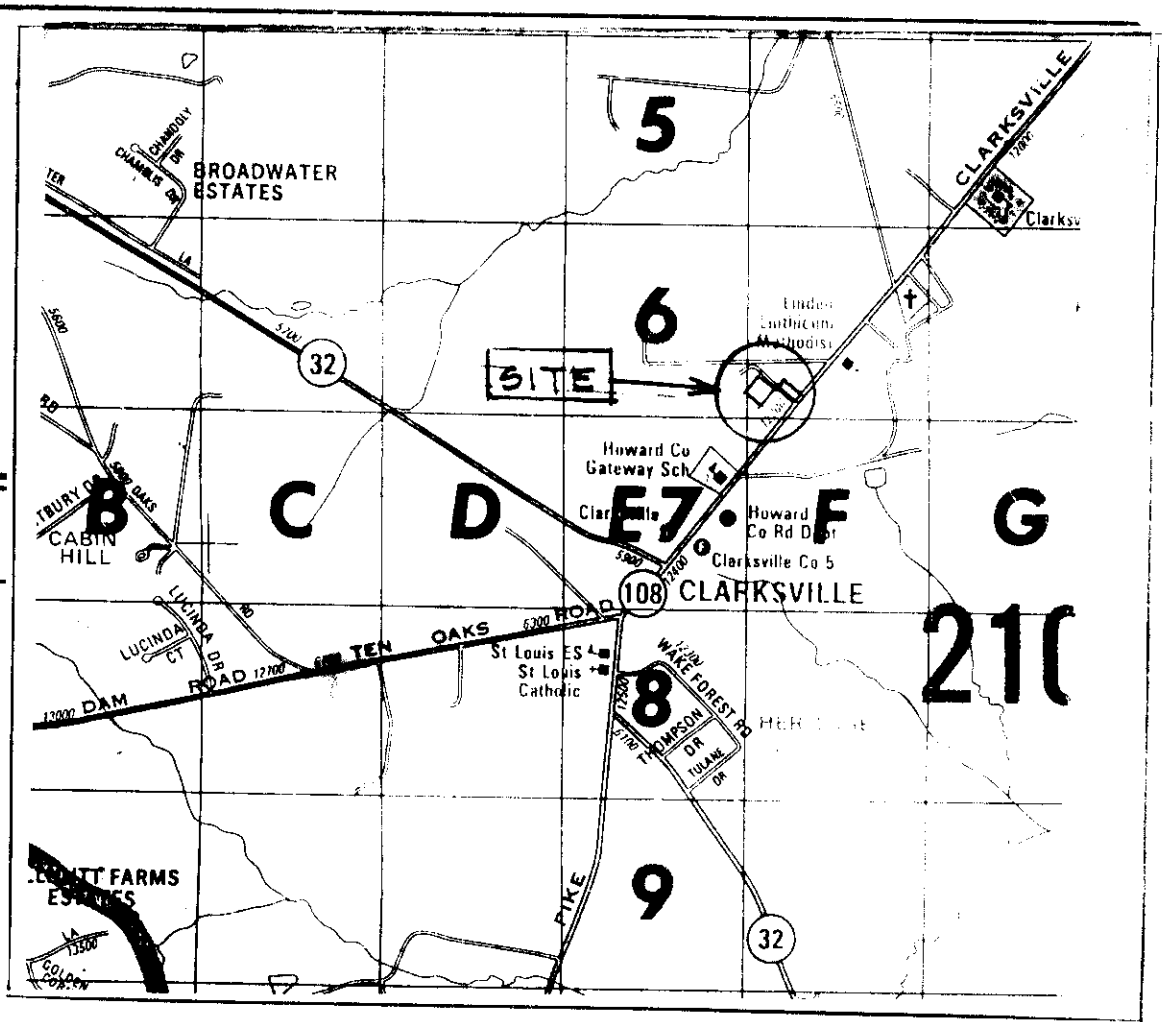
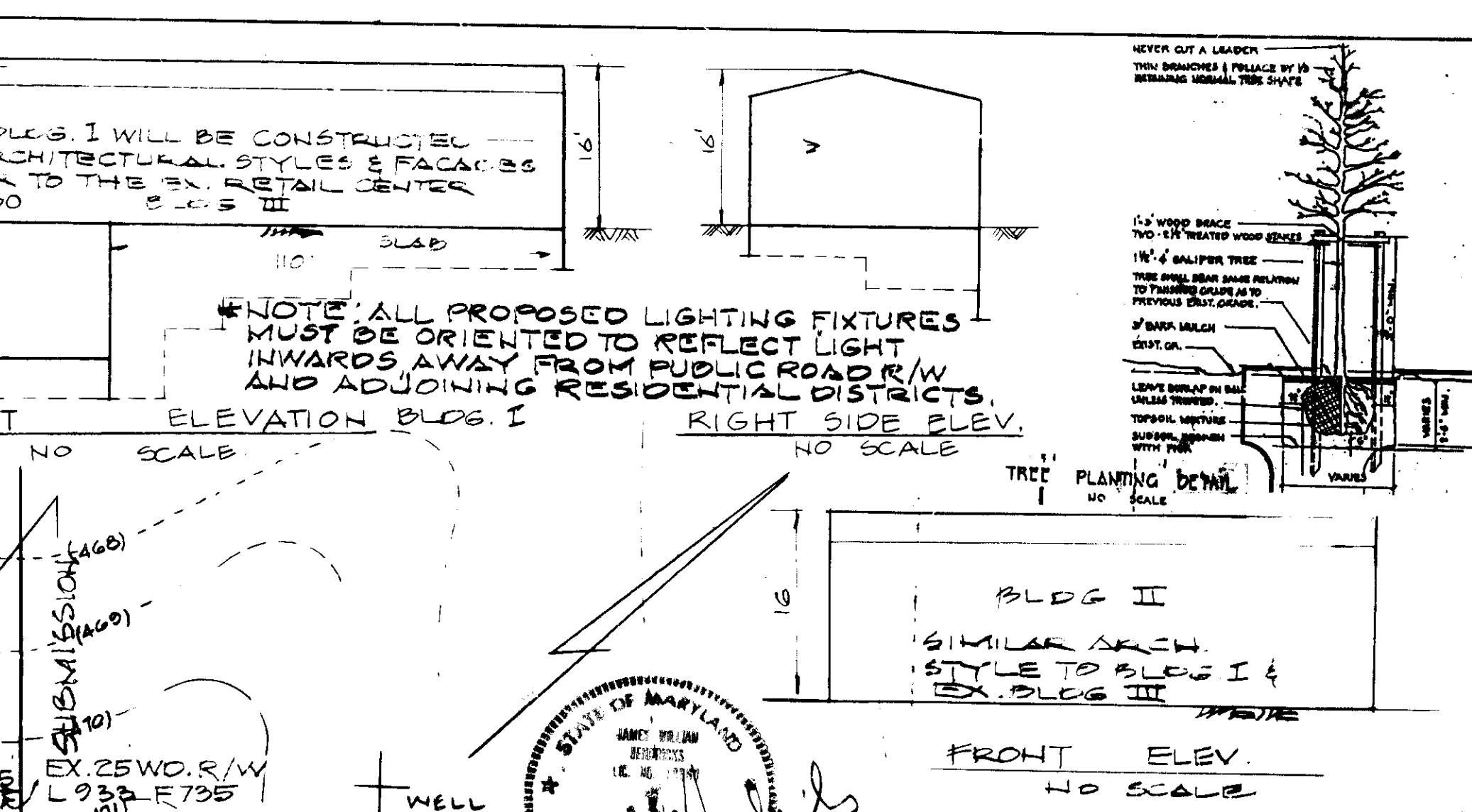
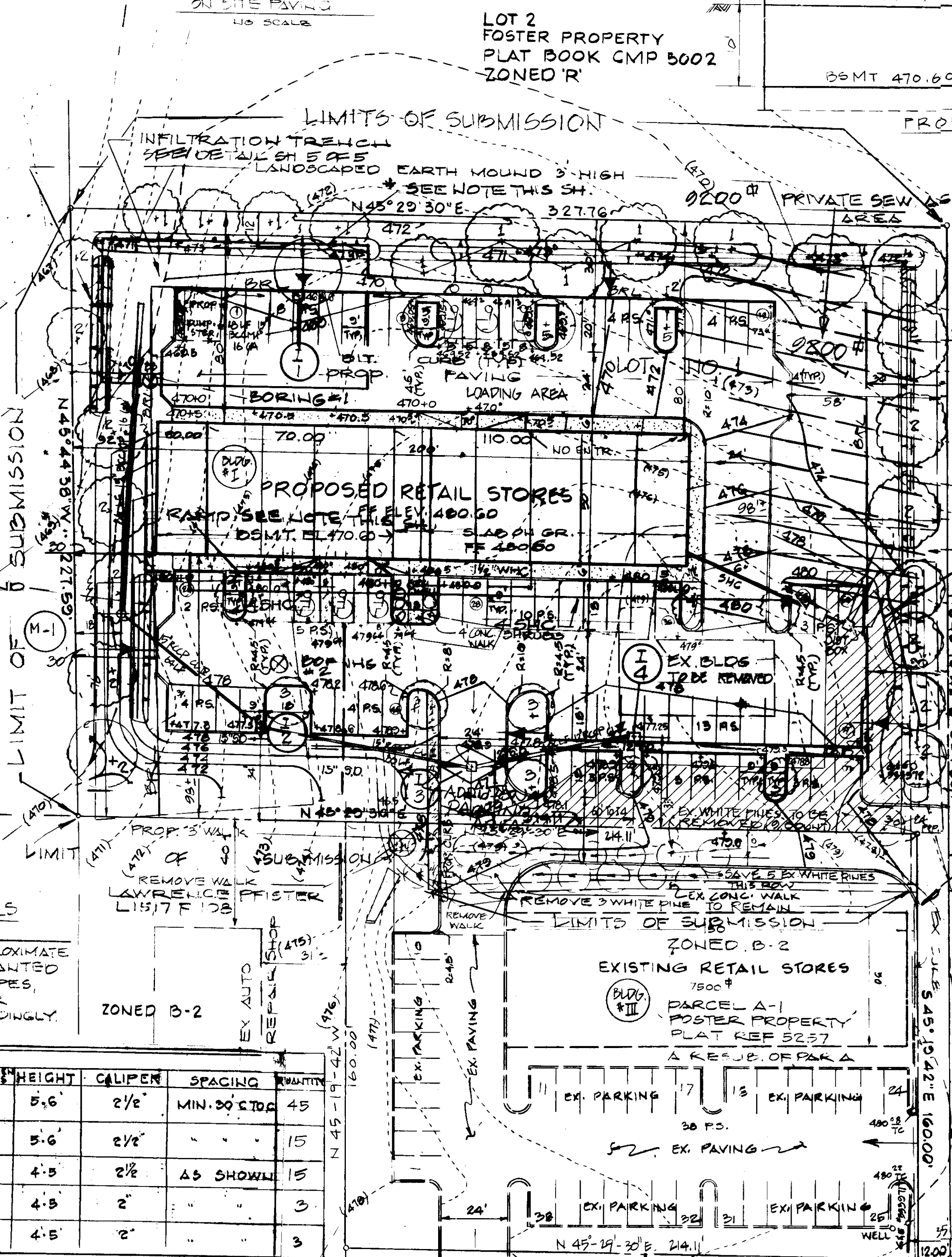


SECTION NUMBER	ROAD AND STREET CLASSIFICATION	PAVEMENT	ALTERNATE
P-1	PARKING AREAS AND TRAVELWAYS APARTMENTS AND COMMERCIAL INDUSTRIAL ZONES WITH NO HEAVY TRUCKS	FULL DEPTH BIT. CONC. SURFACE	1" BIT. CONC. SURFACE 4" BIT. CONC. BASE
		GRANULAR BASE ALTERNATE	1" BIT. CONC. SURFACE 4" BIT. CONC. BASE



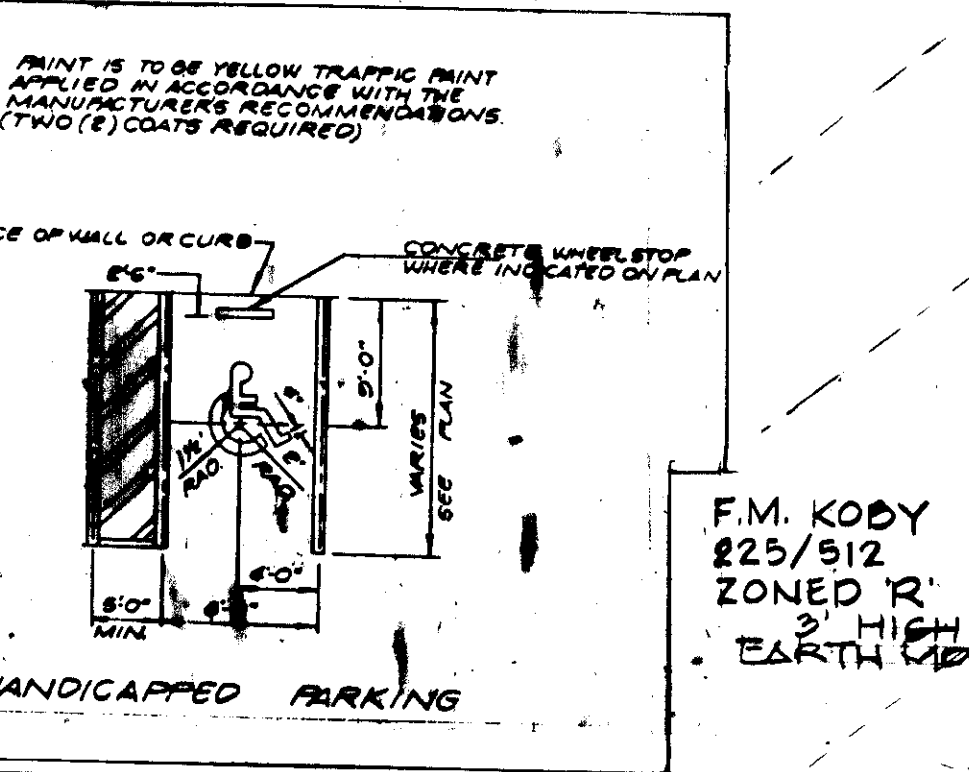
BUILDING USE

BLDG. I
 1ST FL. 19,000# - RETAIL SALES
 BSM.T. 3,500# - OFFICES

BLDG. II
 1ST FL. 6,000# - RETAIL SALES

EX. BLDG. III
 1ST FL. 7,500# - RETAIL SALES

- GENERAL NOTES:**
- AREA OF SITE (21.21 AC.)
 - AREA OF SUBMISSION (1.72 AC.)
 - PARCEL OR PLAT REF. (P-17 LOT 7, LOT 14, LOT 15, LOT 16, LOT 17, LOT 18, LOT 19, LOT 20, LOT 21, LOT 22, LOT 23, LOT 24, LOT 25, LOT 26, LOT 27, LOT 28, LOT 29, LOT 30, LOT 31, LOT 32, LOT 33, LOT 34, LOT 35, LOT 36, LOT 37, LOT 38, LOT 39, LOT 40, LOT 41, LOT 42, LOT 43, LOT 44, LOT 45, LOT 46, LOT 47, LOT 48, LOT 49, LOT 50, LOT 51, LOT 52, LOT 53, LOT 54, LOT 55, LOT 56, LOT 57, LOT 58, LOT 59, LOT 60, LOT 61, LOT 62, LOT 63, LOT 64, LOT 65, LOT 66, LOT 67, LOT 68, LOT 69, LOT 70, LOT 71, LOT 72, LOT 73, LOT 74, LOT 75, LOT 76, LOT 77, LOT 78, LOT 79, LOT 80, LOT 81, LOT 82, LOT 83, LOT 84, LOT 85, LOT 86, LOT 87, LOT 88, LOT 89, LOT 90, LOT 91, LOT 92, LOT 93, LOT 94, LOT 95, LOT 96, LOT 97, LOT 98, LOT 99, LOT 100)
 - OWNER/DEVELOPER: S.D.M.C. ASSOCIATES, 6309 HUNTERDOVER LA., ROCKVILLE, MD. 20852
 - ZONING CLASSIFICATION: D-2, B-1
 - TAX MAP: 34
 - SITE USE PROPOSED: BLDG. I - RETAIL SALES/OFFICES, BLDG. II - RETAIL SALES
 - PUBLIC WATER AND SEWER: PRIVATE WATER AND SEWER



II. Mounting

Above sign shall be mounted directly below the standard 87-87" reserved parking for handicapped sign. Its bottom edge shall be at least 7 feet above ground. If the sign is placed against a building, structure, or other location where vehicle or pedestrian traffic is not obstructed the bottom edge of sign shall be at least 6 feet but not more than 10 feet above ground. Because this is in addition to existing sign installations, some adjustment in height will be necessary.

NOTE: ALL TREE AND PLANTINGS SHOWN ARE APPROXIMATE LOCATIONS ONLY. TREES SHALL NOT BE PLANTED OVER INFILTRATION DEVICES, UTILITY PIPES, OR OTHER OBSTRUCTIONS. CONTRACTOR SHALL PLANT TREES & PLANTINGS ACCORDINGLY.

NAME	COMMON NAME	EVERGREEN	HEIGHT	CALIPEN	SPACING	QUANTITY
1	PINUS STRAUS	WHITE PINE	E	5'-6"	2 1/2'	MIN. 30' TO 45'
2	PINUS SYLVESTRIS	SCOTCH PINE	E	5'-6"	2 1/2'	15
3	PYRUS CULLENANA BRADFORD	BRADFORD PEAR	D	4'-5"	2 1/2'	AS SHOWN
4	PRUNUS YEDO	YOSHINO CHERRY	D	4'-5"	2'	3
5	CORNUS RACMOSEA	GRAY DOGWOOD	D	4'-5"	2'	3

CONSTRUCT 300' LF X 10' W.D. BY PASS SOUTH EAST SIDE OF RT 108

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: [Signature] DATE: 1-3-91

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 DIRECTOR: [Signature] DATE: 2/11/91

APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: [Signature] DATE: 2/21/91

APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 CHIEF BUREAU OF ENGINEERING: [Signature] DATE: 2-21-91

NOTE: FIVE (5) FOOT LONG LEVEL LANDINGS (2% MAX. SL.) REQUIRED AT ALL TENANT ENTRANCES. SIDEWALK RAMP SHALL TERMINATE AT LEAST 18" BEFORE REACHING TENANT ENTRANCE DOORS. THE LEVEL LANDING IN FRONT OF THE TENANT ENTRANCE DOORS SHALL BE AT THAT TERMINATION. SIDEWALK RAMP SHALL BE MAXIMUM SLOPE OF 8.33%.

NOTE: THIS AREA IS DESIGNATED AS A PRIVATE SEWAGE EASEMENT AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE.

HEALTH DEPARTMENT NOTES:
 1. THE MAXIMUM SEWAGE DESIGN FLOW ALLOCATION IS 1200 GALLONS PER DAY PER EACH BUILDING (BUILDING I & BUILDING II).
 2. A WATER METER SHALL BE PROVIDED IN AN ACCESSIBLE LOCATION TO THE INCOMING LINE ON EACH BUILDING (BUILDING I & BUILDING II).

CONSTRUCT 173' LF X 10' W.D. BY PASS SOUTH EAST SIDE OF RT 108

NOTE: BY PASS PAVING SECTION TO BE MD. S.H.A. STANDARD. MD. S.H.A. ACCESS PERMIT REQUIRED.

CONSTRUCT 250' LF X 10' W.D. BY PASS LAINE SOUTH EAST SIDE OF RT 108

NOTE: ALL EXISTING 66# POLES WITHIN R/W OR WHERE OBSTRUCTING ON SITE SHALL BE MOVED AT DEVELOPER'S EXPENSE.

PARCEL A-1 52 FT. AC. PERCENT

A. AREA OF SITE 32250 0.78%

B. BLDG. COVERAGE 6000# 14%

C. PAVING 18615# 43%

D. OPEN SPACE 12765# 29%

PARCEL B-1 3000#

A. AREA OF SITE 32250 0.78%

B. BLDG. COVERAGE 7500 21.7%

C. PAVING 16730 48.8%

D. OPEN SPACE 10014 28.5%

PARCEL C-1 24 FT. AC. PERCENT

A. AREA OF SITE 32250 0.78%

B. BLDG. COVERAGE 114710 30.9%

C. PAVING 7128 20.0%

D. OPEN SPACE 12765 36.3%

PARCEL D-1 24 FT. AC. PERCENT

A. AREA OF SITE 32250 0.78%

B. BLDG. COVERAGE 114710 30.9%

C. PAVING 7128 20.0%

D. OPEN SPACE 12765 36.3%

ADDRESS CHART

LOT NUMBER	STREET ADDRESS
BLDG. I	12208 MD. RT. 108
BLDG. II	12130
BLDG. III	12210

SITE DEVELOPMENT PLAN
 LOT 1, PAR. A-1
 FOSTER PROPERTY
 AND PARCEL 17

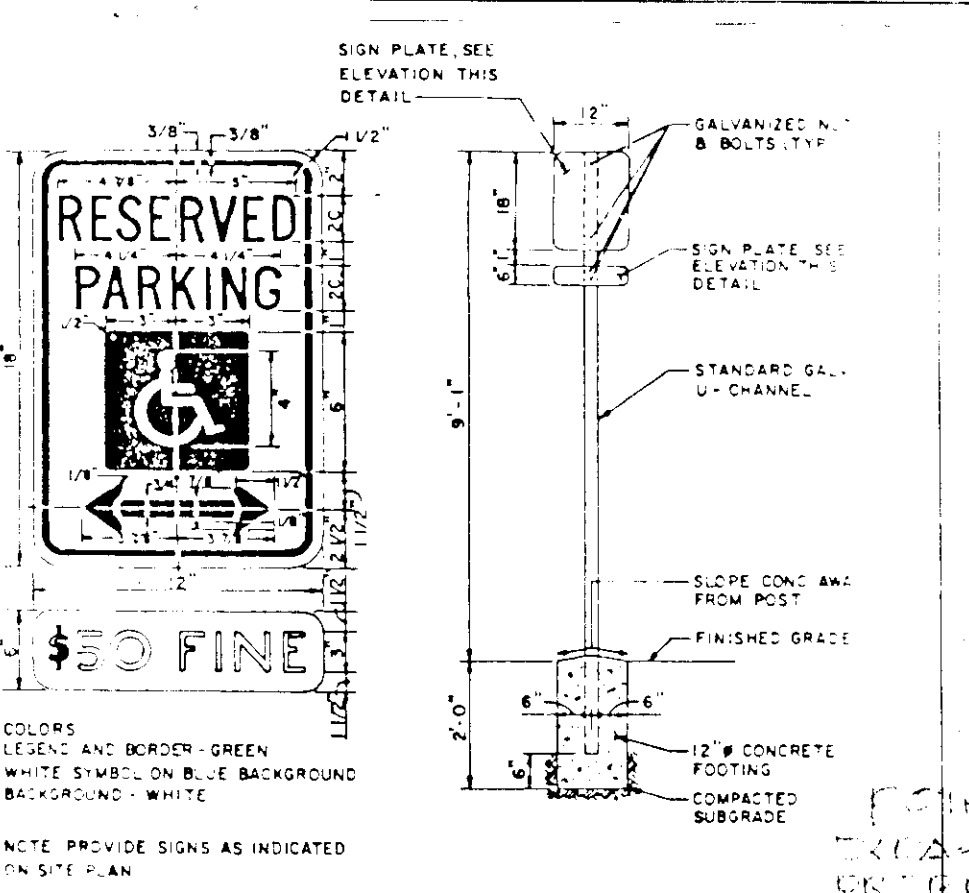
RETAIL SALES CENTER
 S.D.M.C. ASSOCIATES PROPERTY
 PARCEL 17 & PARCEL 214 LOT 1
 (1.21 AC.) (1.72 AC.)
 12186 & 12192 MD. ROUTE 108
 TAX MAP 34 BLOCK G
 5TH DIST.
 SCALE 1" = 30'

REVISION BOX

REV. NO.	DESCRIPTION	DATE	BY
1	RELOCATE LIGHT STANDARDS	6-29-91	AS
2	RELOCATE 2" SHC	6-29-91	AS
3	NOTE ON DIMENSION OF LIGHTING	6-29-91	AS
4	OWNER'S NOTES	6-29-91	AS

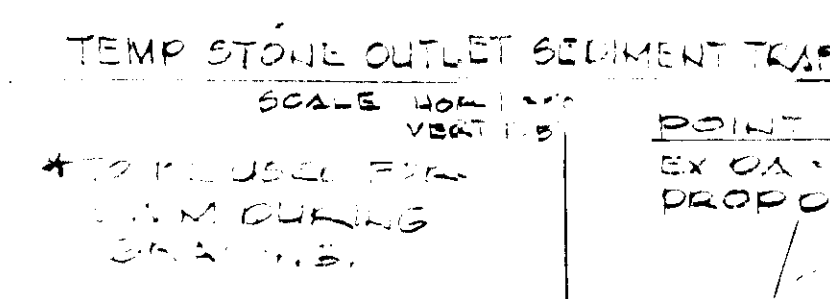
ENGINEER: LOUIS A. SPITTLER
 1960 WOODSTOCK RD.
 WOODSTOCK, MD. 21163
 301.465-2990

SDP 89-197 SH. 1 OF 6

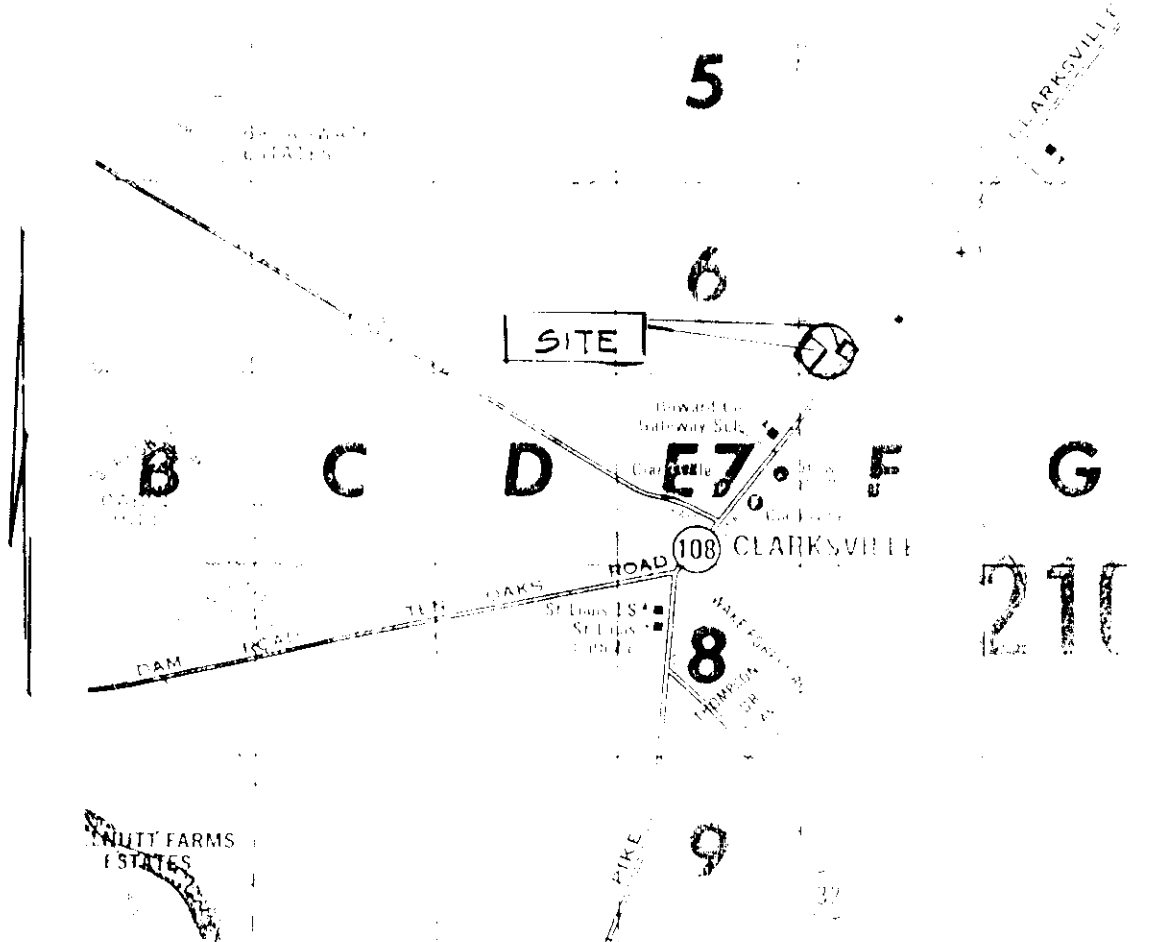


SECTION NUMBER	SECTION DESCRIPTION
P-1	PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

LOT 2
FOSTER PROPERTY
PLAT BOOK CMP 5002
ZONED 'R'

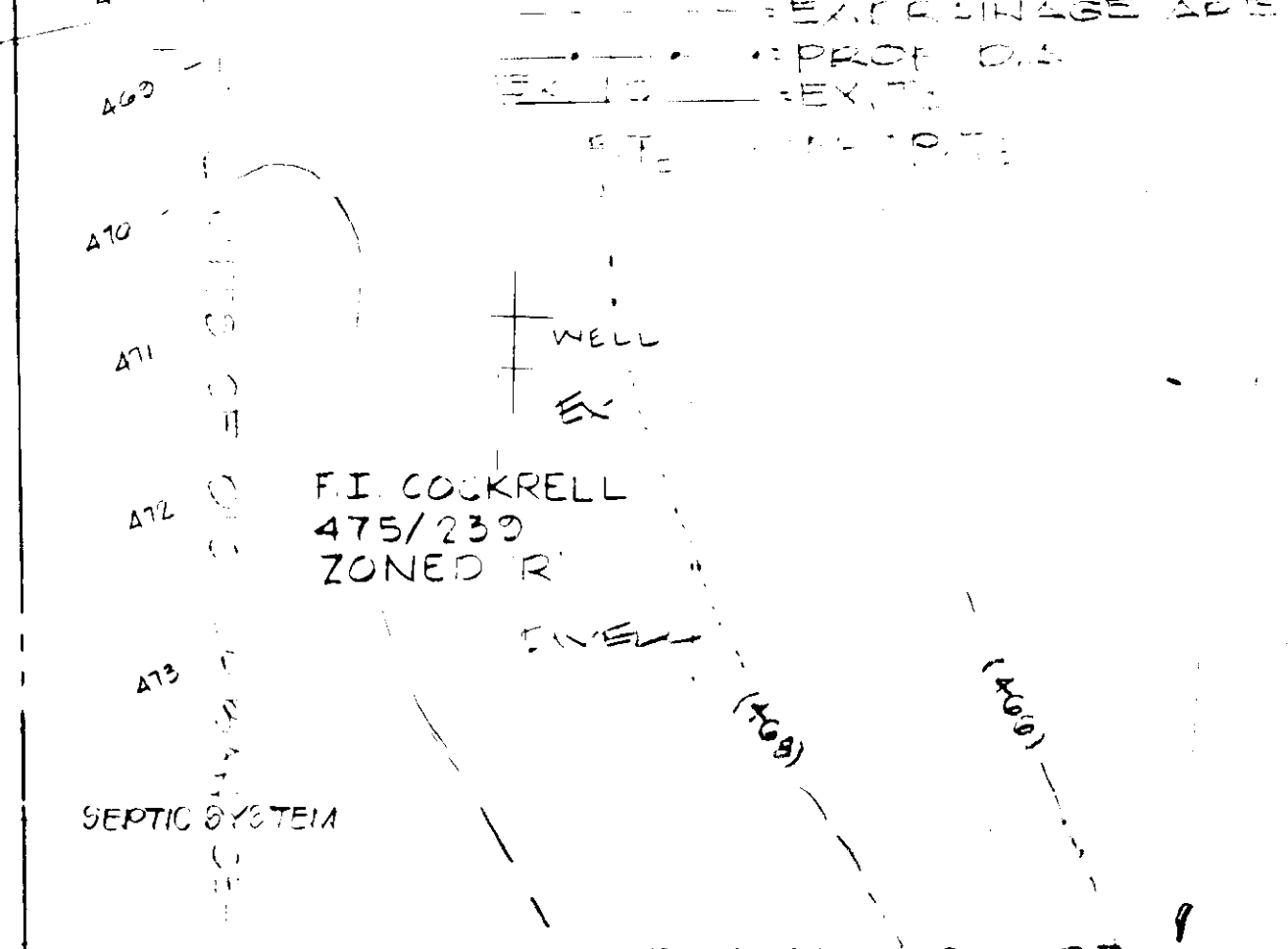
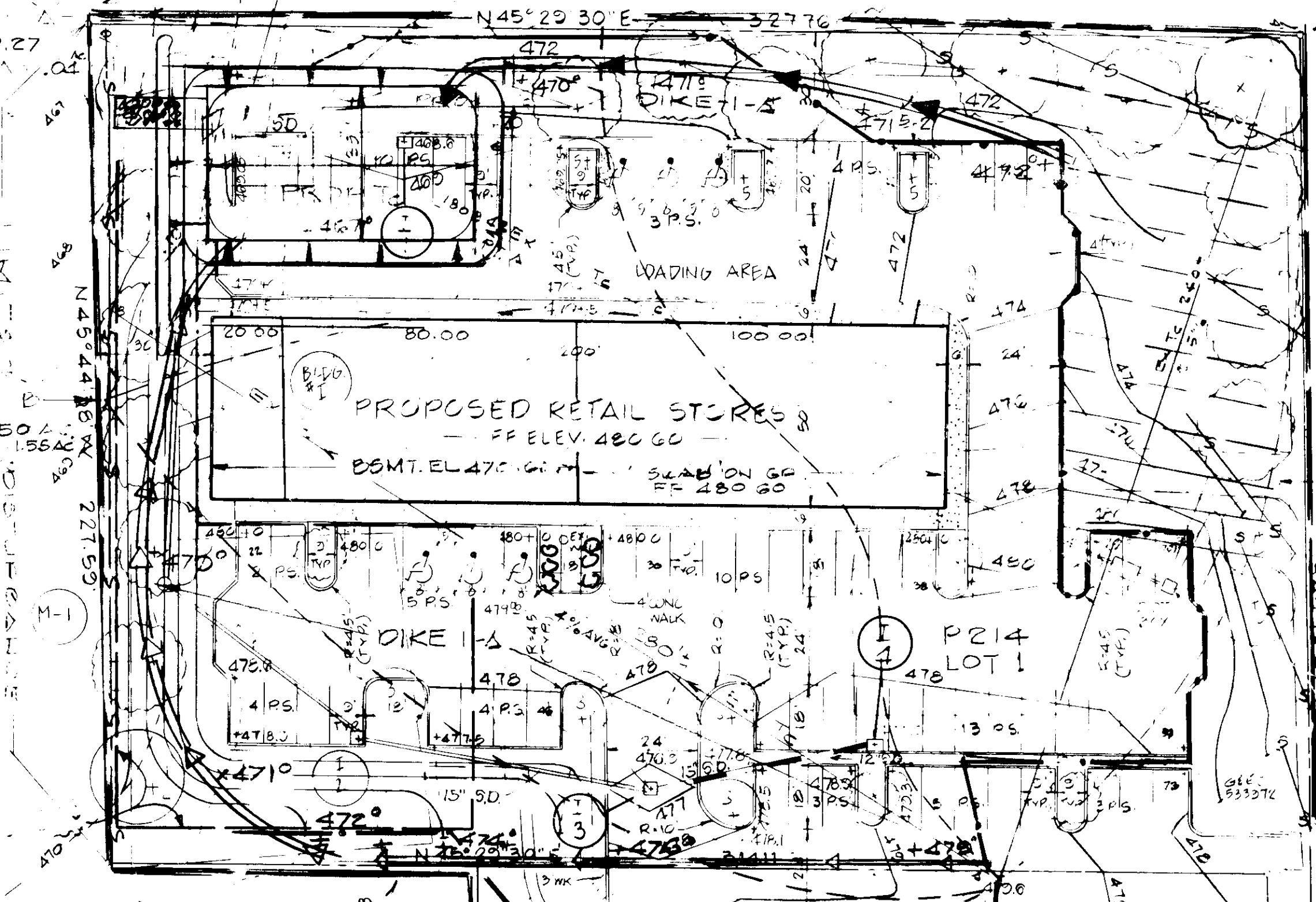


By the Developer:
"I/We certify that all development and construction will be done according to this plan, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District."
Signature of Developer: WILLIAM M. GANDY
Date: 6-2-89



VICINITY MAP
SCALE: 1" = 200'
BENCHMARK DESCRIPTION: X CUT IN EX. CONC. CURB EX. N.W. COR. PAR. A-1
ELEV. 477.92

GENERAL NOTES:
1. AREA OF SITE: PAR. 17 1.21 AC. PAR. 18 1.21 AC.
2. AREA OF SUBMISSION: 1.21 AC.
3. PARCEL OR PLAT REF: P 17, 397-470, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.



BLOG II 54 FT. AC. PERCENT

A. AREA OF SITE	74,784	1.72%	10
B. BLDG COVERAGE	10,000	26%	10
C. PAVING	34,180	78%	46
D. OPEN SPACE	30,604	70%	41

LOT 1

A. AREA OF SITE	74,784	1.72%	10
B. BLDG COVERAGE	10,000	26%	10
C. PAVING	34,180	78%	46
D. OPEN SPACE	30,604	70%	41

10. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES
11. DEVELOPER SHALL REPAIR ANY DAMAGE TO COUNTY R/W OR PAVING CAUSED BY WORK ON THIS PROJECT. COST OF REPAIR SHALL BE AT DEVELOPERS EXPENSE
12. NOTIFY CO. DEPARTMENT OF PERMITS & INSPECTIONS PRIOR TO BEGINNING WORK.
13. PARKING ANALYSIS
A. PARKING SPACES REQUIRED: 43 SPACES
B. PARKING SPACES SHOWN: 43 SPACES

ELEVATION: HANDICAPPED SIGN AND POST NOT TO SCALE
F.M. KODY 225/512 ZONED 'R'
HANDICAPPED PARKING SPECIFICATION
Handicapped Parking Space Violation Fine Notation
Pursuant to Howard County Council Bill 58-84 which established a Fifty-Dollar (\$50.00) fine for violating provisions for Handicapped Parking and provided for posting notifications of that fine, this specification describes the sign authorized for posting and the associated mounting detail.
II. Mounting
Above sign shall be mounted directly below the standard R7-8 Reserved Parking for Handicapped sign. Its bottom edge shall be no less than 7 feet above ground. If the sign is placed against a building, structure, or other location where vehicle or pedestrian traffic is not obstructed the bottom edge of sign shall be at least 6 feet but not more than 10 feet above ground. Because this is an addition to existing sign installations, some adjustment in height will be necessary.

LANDSCAPE SCHEDULE

NAME	COMMON NAME	EVERGREEN/DECIDUOUS	HEIGHT	CALIPER	SPACING
PIUS STROBUS	WHITE PINE	E	5.6'	2 1/2"	MIN. 90 CTDC
PIUS SYLVESTRIS	SCOTCH PINE	E	5.6'	2 1/2"	
PIUS GULLERYANA 'BRADFORD'	BRADFORD PEAR	D	4.5'	2 1/2"	ΔS SHOW
PIUS YEDO	YOSHINO CHERRY	D	4.5'	2"	
PIUS RACMOUSA	GRAY DOGWOOD	D	4.5'	2"	

APPROVED: PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
Signature: [Signature]
DATE: 1-3-91
COUNTY HEALTH OFFICER
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING
Signature: [Signature]
DATE: 3/1/91
DIRECTOR
Signature: [Signature]
DATE: 2/27/91
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT
APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Signature: [Signature]
DATE: 2/21/91
DIRECTOR
Signature: [Signature]
DATE: 2-21-91
CHIEF BUREAU OF ENGINEERING

By the Engineer:
"I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."
Signature: [Signature]
Date: 4/6/89
Signature of Engineer
Print name below signature
LOUIS A. SPITTEL

NOTE: SOILS MAP 23
ENTIRE SUBMISSION: CHESTER SILT LOAM, SOIL GROUP
REVISION: BOX
1. REMOVE EX. CONC. CURB, INSTALL 2 ROWS OF SILT FENCE, BLOG II 12-31-90
2. DELETE TEMP STONE OUTLET TRAP NO. 2 12-31-90

REVIEWED BY HOWARD COUNTY DISTRICTS & MEETS
TECHNICAL COMMENTS:
Signature: [Signature]
DATE: 10/3/90
Signature: [Signature]
DATE: 10/3/90



5-15-90

SEDIMENT CONTROL PLAN
LOT 1 PAR. A-1
FOSTER PROPERTY
AND PARCEL 17

RETAIL SALES CENTER
SOMC ASSOCIATES PROPERTY
PARCEL 17 & PARCEL 18 LOT 1
(1.21 AC.) & PARCEL 18 LOT 1
(1.21 AC.)
12186 MD RT. 108
TAX MAP 34 BLOCK 6 45.00 AC 4.5 B
SCALE 1:30

DESIGNED: SOMC ASSOCIATES
6209 HUNTER LANE
ROCKVILLE, MD 20852 96465-2000
REGISTERED: SOMC ASSOCIATES
1920 WOODSTOCK RD
WOODSTOCK, MD 21792
301-465-2990

PERMANENT SEEDING NOTES

Apply to graded or cleared areas not subject to immediate further 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 schedule:
- 1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 square 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).
 - 2) 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 per acre (1.4 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (.05 lbs/1000 sq ft) of weeping lovegrass. During the period of October 16 thru February 28, protect site by: Option (1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use sod. 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 (70 to 90 lbs/1000 sq ft) of unrotted 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 348 gallons per acre (8 gal/1000 sq ft) for anchoring.

Maintenance - Inspect all seeded areas and make needed repairs, replacements and reseeding.

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redistributed where a short-term vegetative cover is needed.

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

Soil Amendments: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft)

Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2 1/2 bushel per acre of annual rye (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (.07 lbs/1000 sq ft). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

Mulching: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes, 8 ft or higher, use 348 gal per acre (8 gal/1000 sq ft) for anchoring.

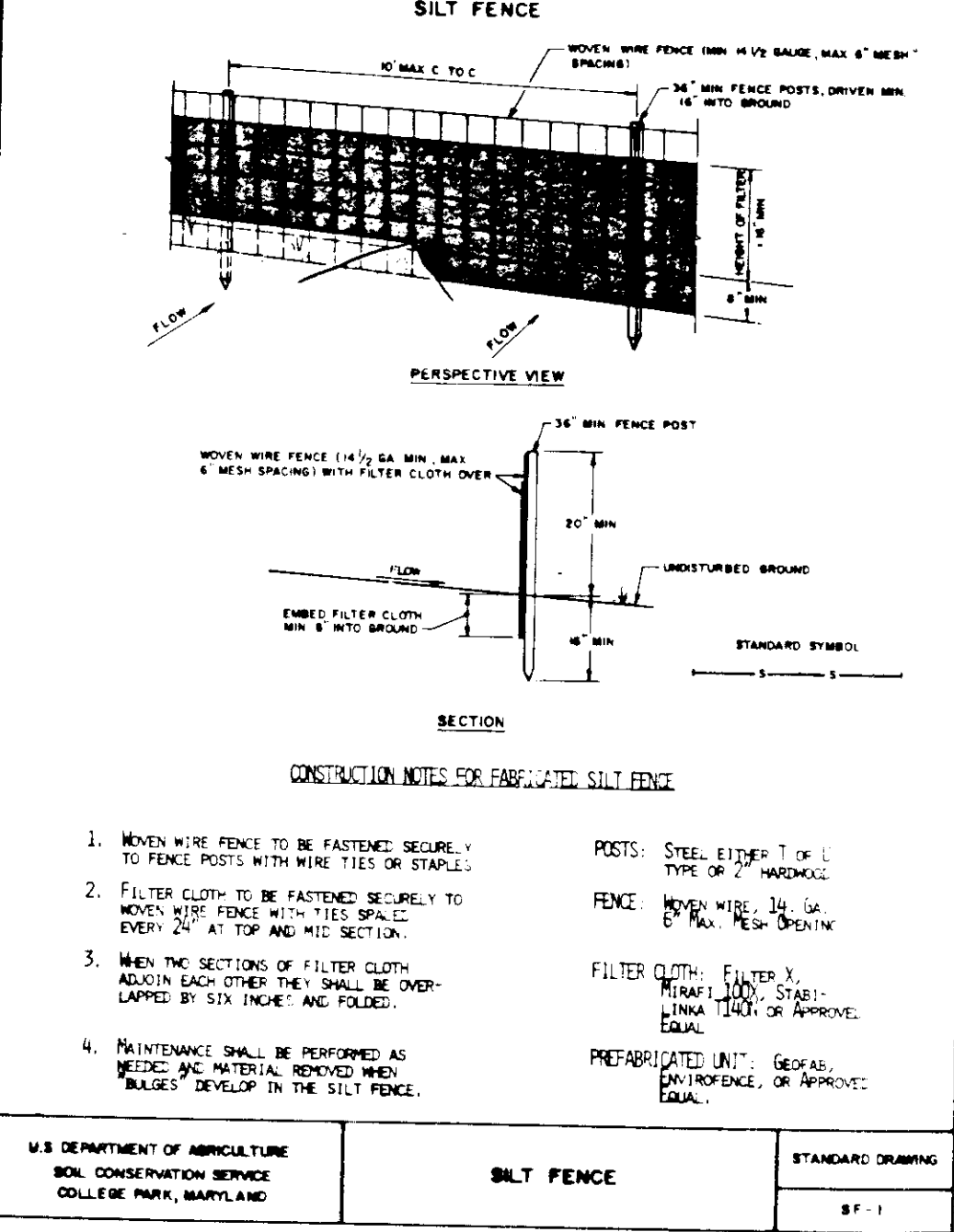
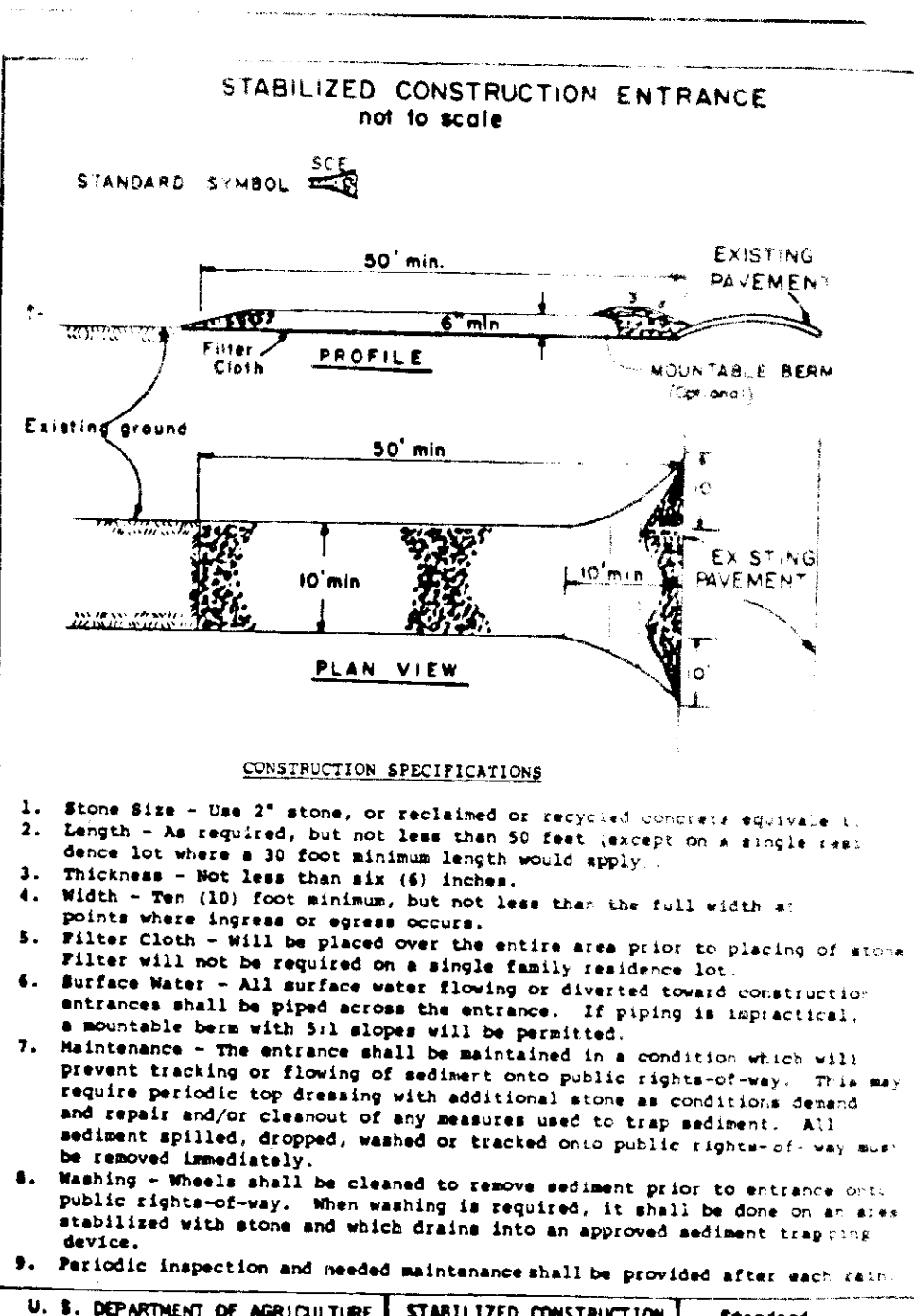
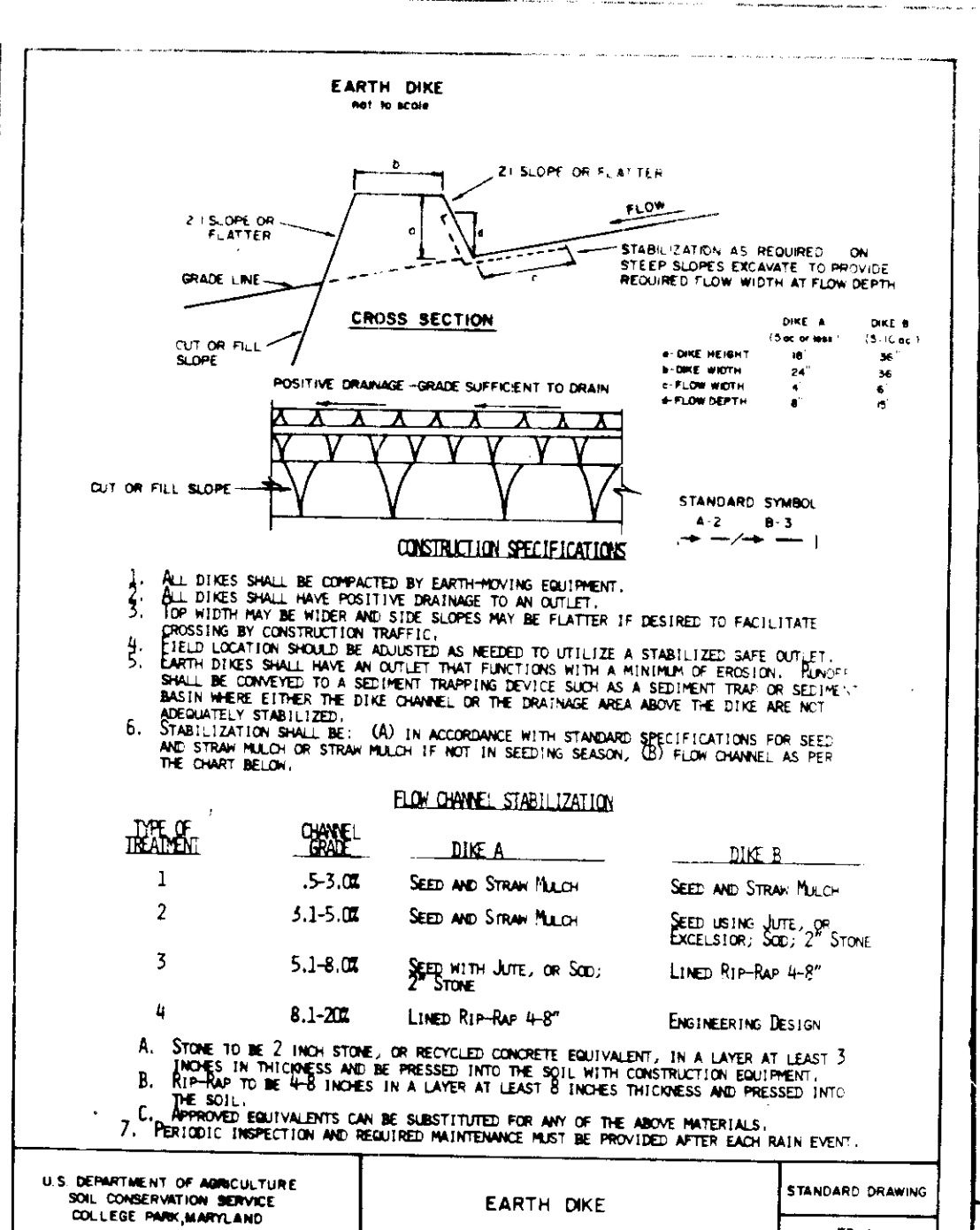
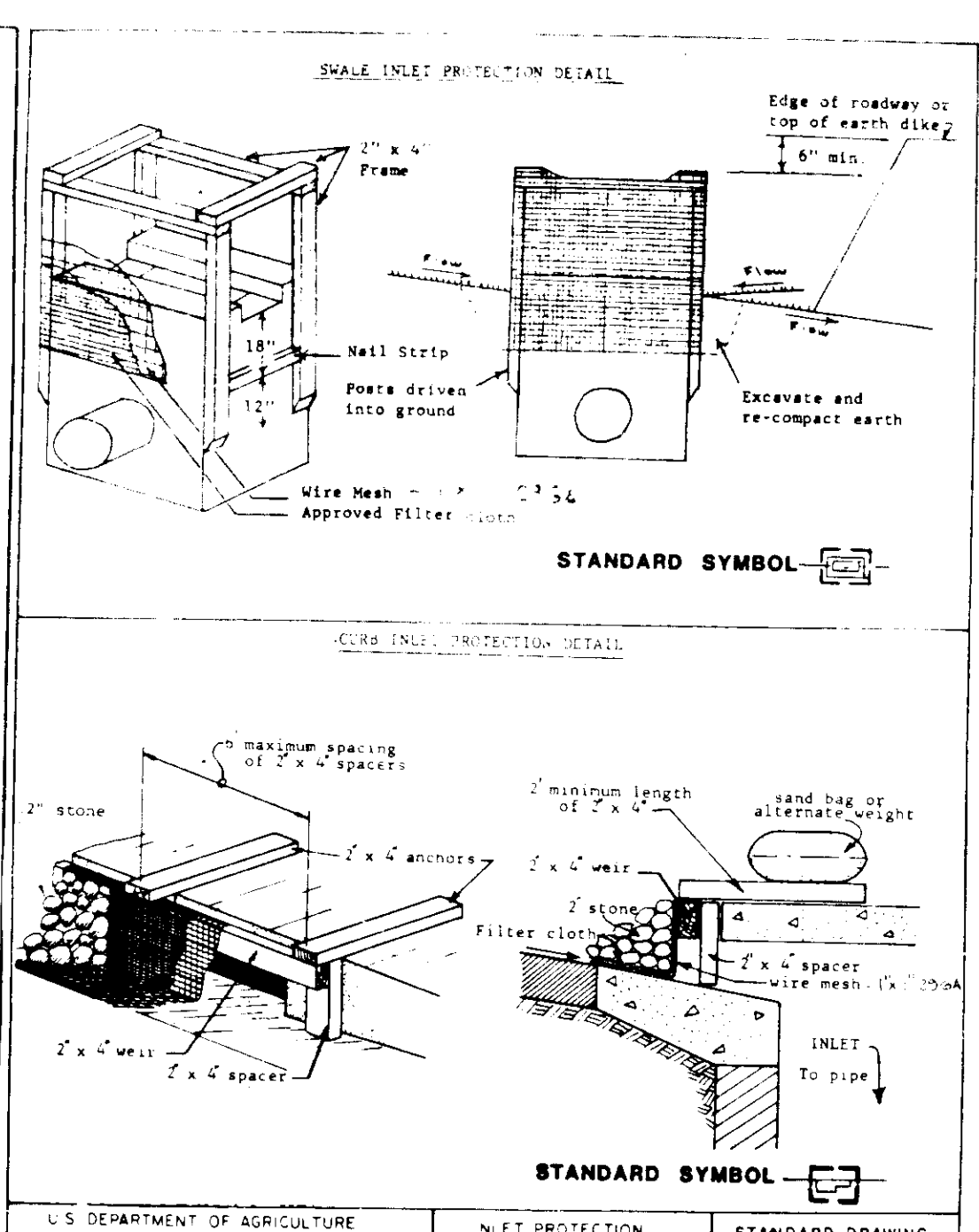
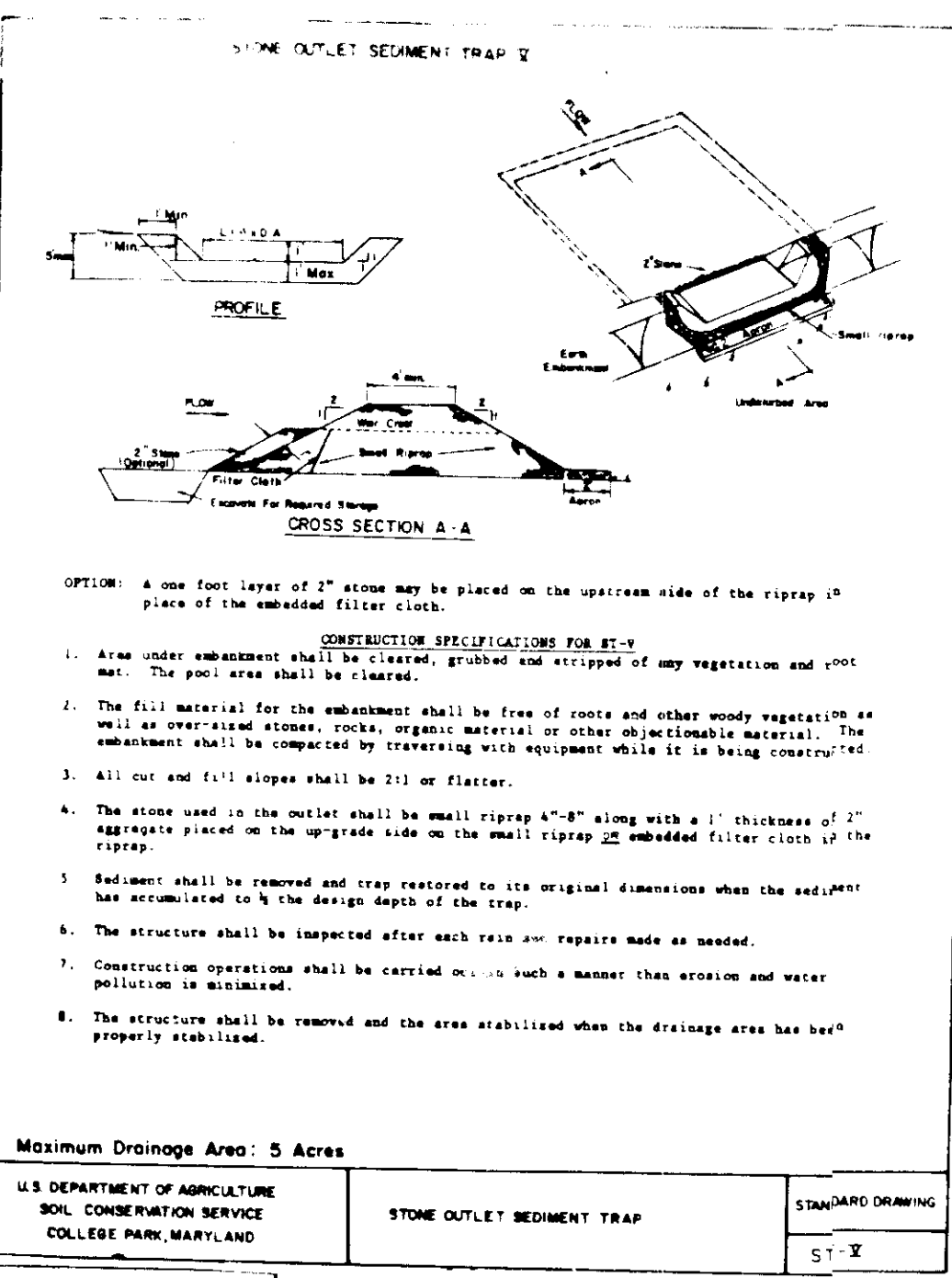
Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

SEEDING CONTROL NOTES

1. 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)
2. All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
3. Following initial soil disturbance or redistribution, 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.
4. 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.
5. All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) and sod (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.
6. 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.
7. Site Analysis:

PAR 14	PAR 17
Total Area of Site	1.72 Acres
Area Disturbed	1.21 AC
Area to be roofed or paved	0.2 AC
Area to be vegetatively stabilized	0.57 AC
Total Cut	222 Cu. yds
Total Fill	2000 Cu. yds

 Offsite waste/borrow area location
8. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
9. Additional sediment controls must be provided, if deemed necessary by the Howard County DPW sediment control inspector.
10. On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.



Maryland SCS/WRA April 1983

Definition

A temporary barrier of geotextile fabric (filter cloth) used to intercept sediment laden runoff from small drainage areas of disturbed soil.

Purpose

The purpose of a silt fence is to reduce runoff velocity and effect deposition of transported sediment load. Limits imposed by ultraviolet stability of the fabric will dictate the maximum period the silt fence may be used.

Conditions Where Practice Applies

A silt fence may be used subject to the following conditions:

1. Maximum allowable slope lengths contributing runoff to a silt fence are listed in the table below:

Slope Steepness	Maximum Slope Length (Ft)
2:1	50
3:1	75
4:1	125
5:1	175
Flatter than 5:1	200

2. Maximum drainage area for overland flow to a silt fence shall not exceed 1/2 acre per 100 feet of fence; and
3. Erosion would occur in the form of sheet erosion; and
4. There is no concentration of water flowing to the barrier.

Design Criteria

Design computations are not required. All silt fences shall be placed as close to the contour as possible, and the area below the fence must be undisturbed or stabilized.

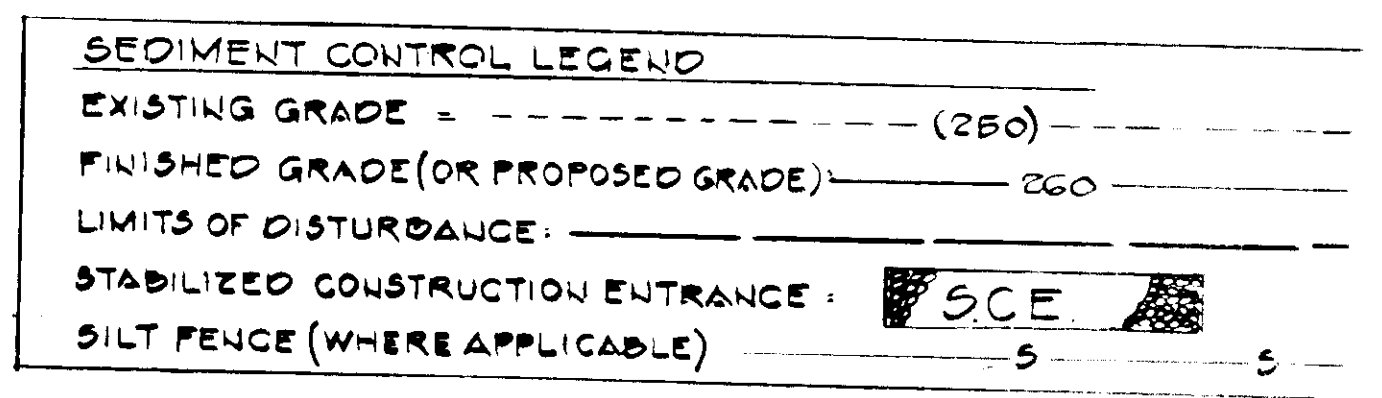
A detail of the silt fence shall be shown on the plan, and contain the following minimum requirements:

1. The type, size, and spacing of fence posts.

Criteria for Silt Fence Materials

Fabric Properties	Minimum Acceptable Value	Test Method
Grab Tensile Strength (lbs)	90	ASTM D1682
Elongation at Failure (%)	50	ASTM D1682
Moilen Burst Strength (PSI)	190	ASTM D3786
Puncture Strength (lbs)	40	ASTM D751 (modified)
Slurry Flow Rate (gal/min/ft)	0.3	Virginia DOT VTM-51
Equivalent Opening Size	40-80	US Std Sieve CN-02215
Ultraviolet Radiation Stability I	90	ASTM-G-26

- SEQUENCE OF CONSTRUCTION**
1. OBTAIN GRADING PERMIT. 2 WEEKS.
 2. CLEAR AND GRUBB FOR THE INSTALLATION OF PERIMETER CONTROLS.
 3. INSTALL SEDIMENT CONTROL MEASURES.
 4. CLEAR AND GRUBB REMAINDER OF SITE.
 5. ROUGH GRADE SITE. STABILIZE AS REQUIRED.
 6. INSTALL UTILITIES. PROTECT INLETS.
 7. CONSTRUCT BUILDING.
 - a. STABILIZE SITE AND REPAIR AS NEEDED
 - b. INSTALL SWM INSTALLATION THROUGH USE METAL TRENCH DEVICE TO SHAPE VERTICAL CUT.
 - c. INSTALL SUB GRADE PAVEMENT
 - d. INSTALL SURF COURSE PAVE
 - e. FILE GRADE & STABILIZE
 8. AFTER FINAL INSPECTION, STABILIZE SITE AS REQUIRED. REMOVE SEDIMENT CONTROL MEASURES AFTER PERMISSION FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.



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

John P. ...
COUNTY HEALTH OFFICER
1-3-91
DATE

APPROVED: HOWARD COUNTY
...
DIRECTOR
3/1/91
DATE

...
CHIEF
2/2/91
DATE

APPROVED:
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

...
DIRECTOR
2/2/91
DATE

...
CHIEF BUREAU OF ENGINEERING
2-21-91
DATE

SEDIMENT CONTROL PLAN

LOT 1, PAR A-1
FOSTER AND PARCEL 17
RETAIL SALES CENTER

SOMC ASSOCIATES PROPERTY
PARCEL 17 & PARCEL 214 LOT 1
(1.21 AC) (1.72 AC)

12186 & 12192 MD ROUTE 108
TAX MAP 34 BLOCK 6
5TH DIST. 140 CO MD.
SCALE N/A 4-B-89

OWNER: SOMC ASSOCIATED
6309 HUNTOVER LANE
ROCKVILLE MD 20852 76465-2000

ENGINEER: LOUIS A. SPITTEL
1920 WOODSTOCK RD 2
WOODSTOCK MD 21163
301-465-2000

5-15-90 S.D.P. 89-197 SH, 3 OF 6

SEDIMENT CONTROL

() Provide the following certification blocks on sediment control plans:

() By the Developer:

"I certify that all development and construction will be done according to this plan, and that any 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 on-site inspection by the Howard Soil Conservation District."

William M. Canby
Signature of Developer
Print name below signature
WILLIAM M. CANBY
6-2-89
DATE

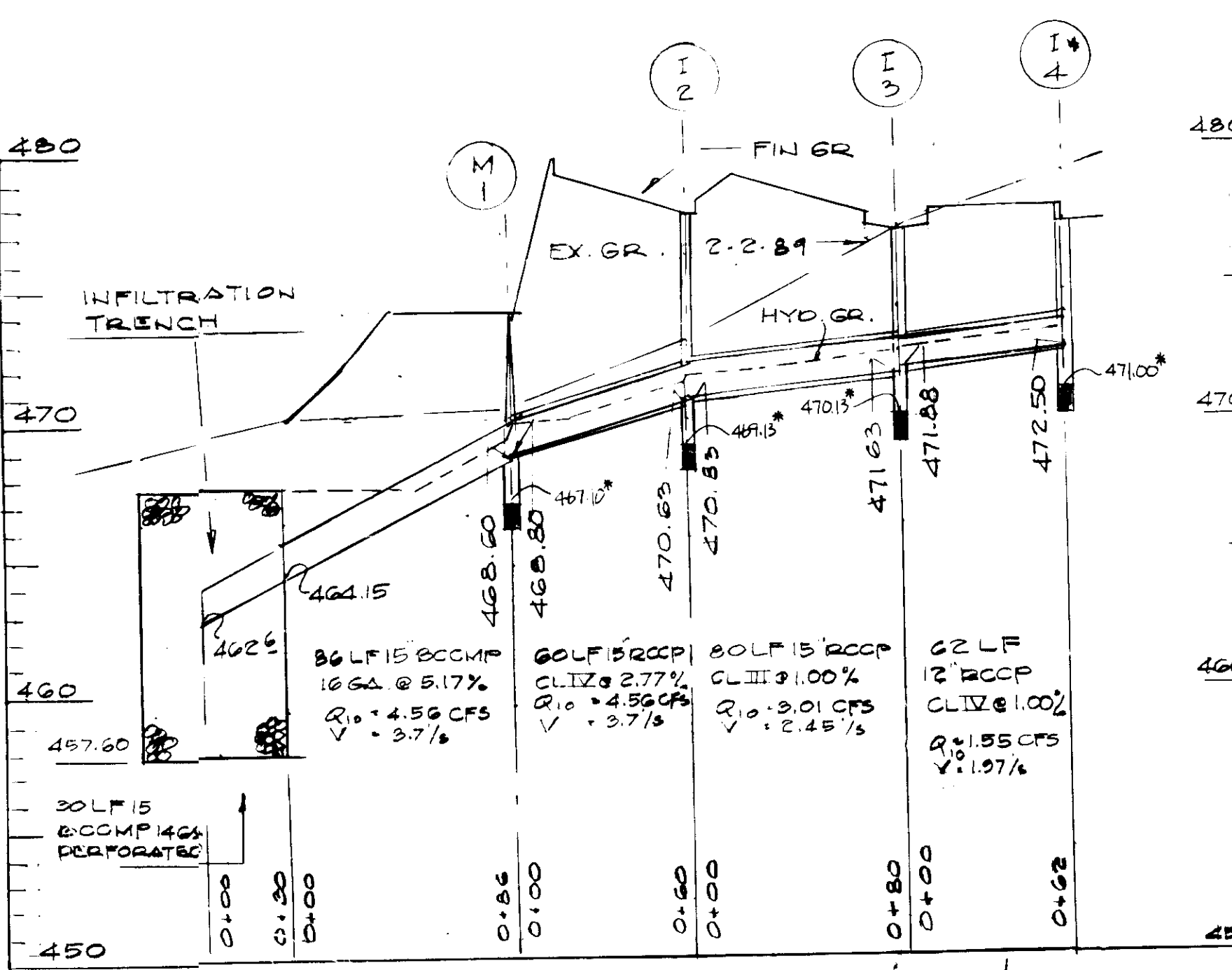
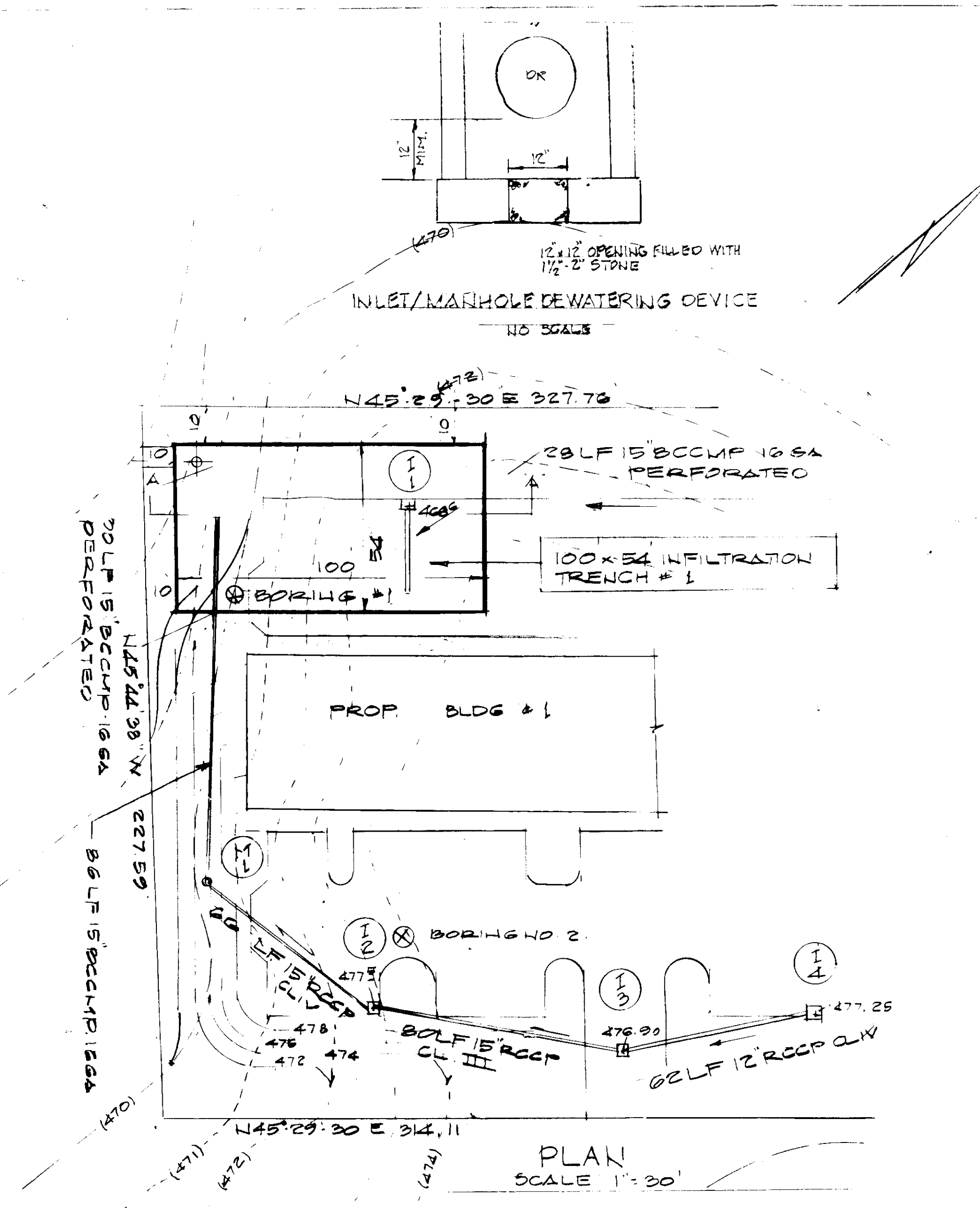
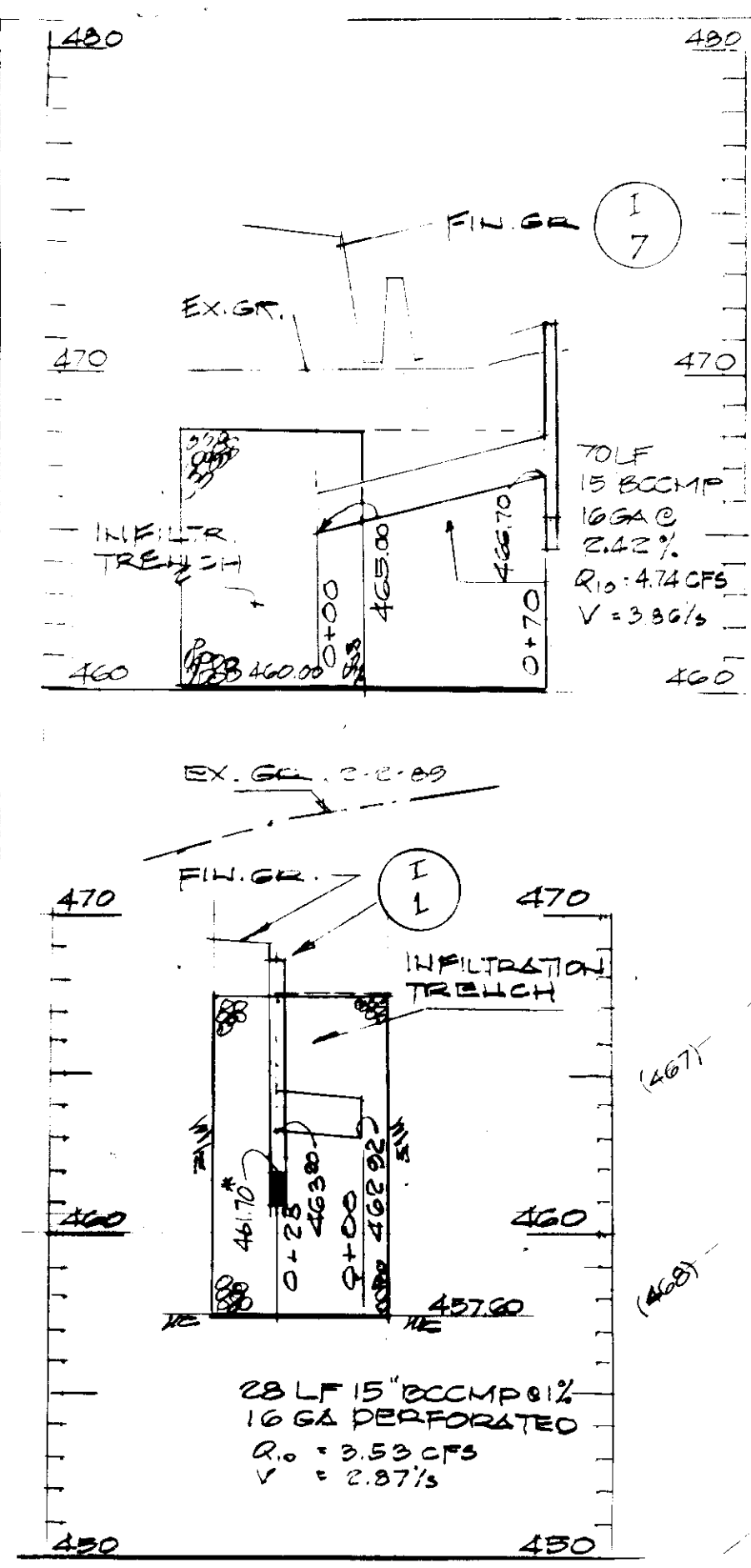
() By the Engineer:

"I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."

Louis A. Spittel
Signature of Engineer
Print name below signature
LOUIS A. SPITTEL
Reviewed for HOWARD S.C.D. and meets Technical Requirements
John M. Helm 10/2/90
Soil Conservation Service
4/6/91
DATE

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

Shaff ... 10/2/90
DATE



TEST PIT SUMMARY				
CLAREVILLE CENTER CLAREVILLE (HOWARD CO.) MD. DECEMBER 30, 1988				
Test Pit No.	Strata Depth, No.	IV	Estimated Topsoil Thickness	Remarks
1	1-6	6-15	12"	Hole Dry
2	0.5-4	9-15	6"	Hole Dry

*Strat Descriptions (by Visual Classification)

I	SANDY LOAM (SC) (MICACEOUS, ROCK FRAGMENTS)
II	SILTY CLAY (CL)
III	LOAMY SAND (SM) (MICACEOUS)
IV	SILT LOAM (ML)

Conclusions and Recommendations

It is concluded from this investigation that most of the subsurface profile is suitable for the use of infiltration for storm water management. The following design conditions exist based on DNR guidelines.

Test Pit No.	Infil Rate In/Hr	Depth	Remarks
1	1.02 2.41	1'-6" Below 6"	Test pit depth 15'
2	NOT SUITABLE 0.27 2.41	0'-3" 8'-9" Below 9"	Test pit depth 15'

3.3.4. Construction Specifications

3.3.4.1. Inlets
An infiltration trench shall not be constructed or placed in service until all of the contributing drainage area has been stabilized and approved by the responsible inspector.

3.3.4.2. Trench Preparation
Excavate the trench to the design dimensions. Excavated materials shall be placed away from the trench sides to enhance trench wall stability. Large trees roots must be trimmed flush with the trench sides in order to prevent fabric puncturing or tearing during subsequent installation procedures. The side walls of the trench shall be roughened where sheared and sealed by heavy equipment.

3.3.4.3. Fabric Laydown
The filter fabric roll must be cut to the proper width prior to installation. The cut width must include sufficient material to conform to trench perimeter irregularities and for a 6-inch minimum top overlap. Place the fabric roll over the trench and extend to sufficient length to allow placement of the fabric down into the trench. Stones or other non-binding objects should be placed on the fabric at the edge of the trench to keep the lined trench open during windy periods. When overlaps are required between rolls, the upstream roll should lap a minimum of 2 feet over the downstream roll in order to provide a shingle effect. The overlap ensure fabric continuity or to ensure that the fabric conforms to the excavation surface during aggregate placement and compaction.

3.3.4.4. Stone Aggregate Placement and Compaction
The stone aggregate should be placed in lifts and compacted using plate compactor. As a rule of thumb, a maximum loose lift thickness of 12 inches is recommended. The compaction process ensures fabric conformity to the excavation sides, thereby reducing the potential for soil piping, fabric clogging, and settlement problems.

3.3.4.5. Overlapping and Covering
Following the stone aggregate placement, the filter fabric shall be folded over the stone aggregate to form a 6" minimum longitudinal lap. The desired fill soil or stone aggregate shall be placed between the lap to provide sufficient intervals to maintain the lap during subsequent backfilling.

3.3.4.6. Contamination
Care shall be exercised to prevent natural or fill soils from intermingling with the stone aggregate. All contaminated stone aggregate shall be removed and replaced with uncontaminated stone aggregate.

3.3.4.7. Side-Slope Fabric
Voids can be created between the fabric and excavation sides and shall be avoided. Removing boulders or other obstacles from the trench walls is one source of such voids. Several wells should be placed in these voids at the most convenient time during construction to ensure fabric conformity to the excavation sides. Soil piping, fabric clogging, and possible surface subsidence will be avoided by this remedial process.

3.3.4.8. Unstable Excavation Sides
Vertically excavated walls may be difficult to maintain in areas where the soil moisture is high or where soft cohesive or cohesionless soils predominate. These conditions may require laying back of the side slopes to maintain stability; trapezoidal rather than rectangular cross sections may result.

3.3.4.9. Infiltration Schedule
A regular schedule of infiltration testing shall be maintained.

3.3.6.10 TRAFFIC CONTROL
Heavy equipment and traffic shall be restricted from traveling over the infiltration areas to minimize compaction of the soil.

3.3.4.11. Observation Well
An observation well, as described in subsection 3.3.4.8 and Figure 3-5 shall be provided. The depth of the well at the time of installation will be clearly marked on the well cap.

3.3.7. Maintenance
Infiltration trenches shall be designed to minimize maintenance. However, it is recognized that all infiltration facilities are subject to clogging by sediment, oil, grease, grit and other debris. In addition, the performance and longevity of these structures is not well documented. Consequently, a monitoring observation well is required for all infiltration structures.

The observation well shall be monitored periodically. For the first year after completion of construction, the well should be monitored on a quarterly basis and after every large storm. It is recommended that a log book be maintained indicating the date at which the facility demonstrates after large storms and the depth of the well for each observation. Once the performance characteristics of the structure have been verified, the monitoring schedule can be reduced to an annual basis, unless the performance data indicate a more frequent schedule is required.

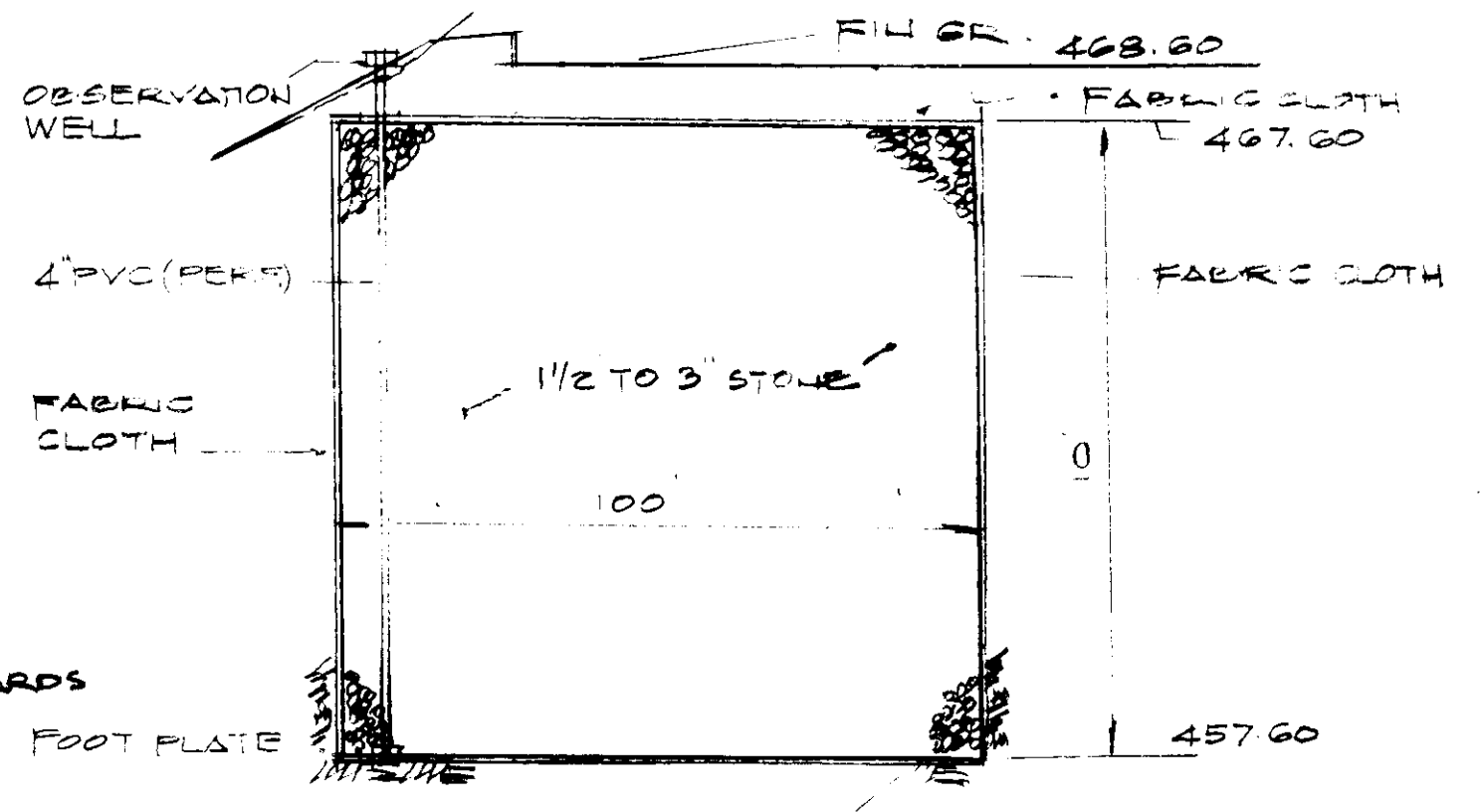
Sediment build-up in the top foot of stone aggregate or the surface inlet should be monitored on the same schedule as the observation well. A monitoring well in the top foot of stone aggregate will be required when the trench has a stone surface. Sediment deposited shall not be allowed to build up to the point where it will reduce the rate of infiltration into the trench.

PROFILES
SCALE HOR 1"=50'
VERT 1"=15'

PLAN
SCALE 1"=20'

NO.	TYPE	TOPEL	INVTN	INVOUT	REMARKS
I-1	DOUBLE TYPE S INLET	468.6	-	468.00	SEE HO CD DETAILS SC 423
I-2		477.50	470.83	470.63	
I-3		476.90	471.88	471.63	
I-4		477.25	-	472.50	
M-1	STD. MANHOLE	474.00	468.80	468.60	
I-5	DOUBLE TYPE S INLET	475.50	-	471.50	SEE HO CD DETAILS SC 423
I-6		473.90	-	-	
M-2	STD. MANHOLE	474.00	469.00	468.90	
M-3		474.00	466.00	465.90	
I-7	STD. HWY INLET	471.97	-	466.70	SEE MD S.H.A. BOOK OF STANDARDS PLATE NO. 374.04

NOTE: ALL WORK AND MATERIALS SHALL CONFORM TO HO CD DESIGN MANUAL VOL IV STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION



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

James J. ... 1-3-91
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

... 3/1/91
DIRECTOR DATE

CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

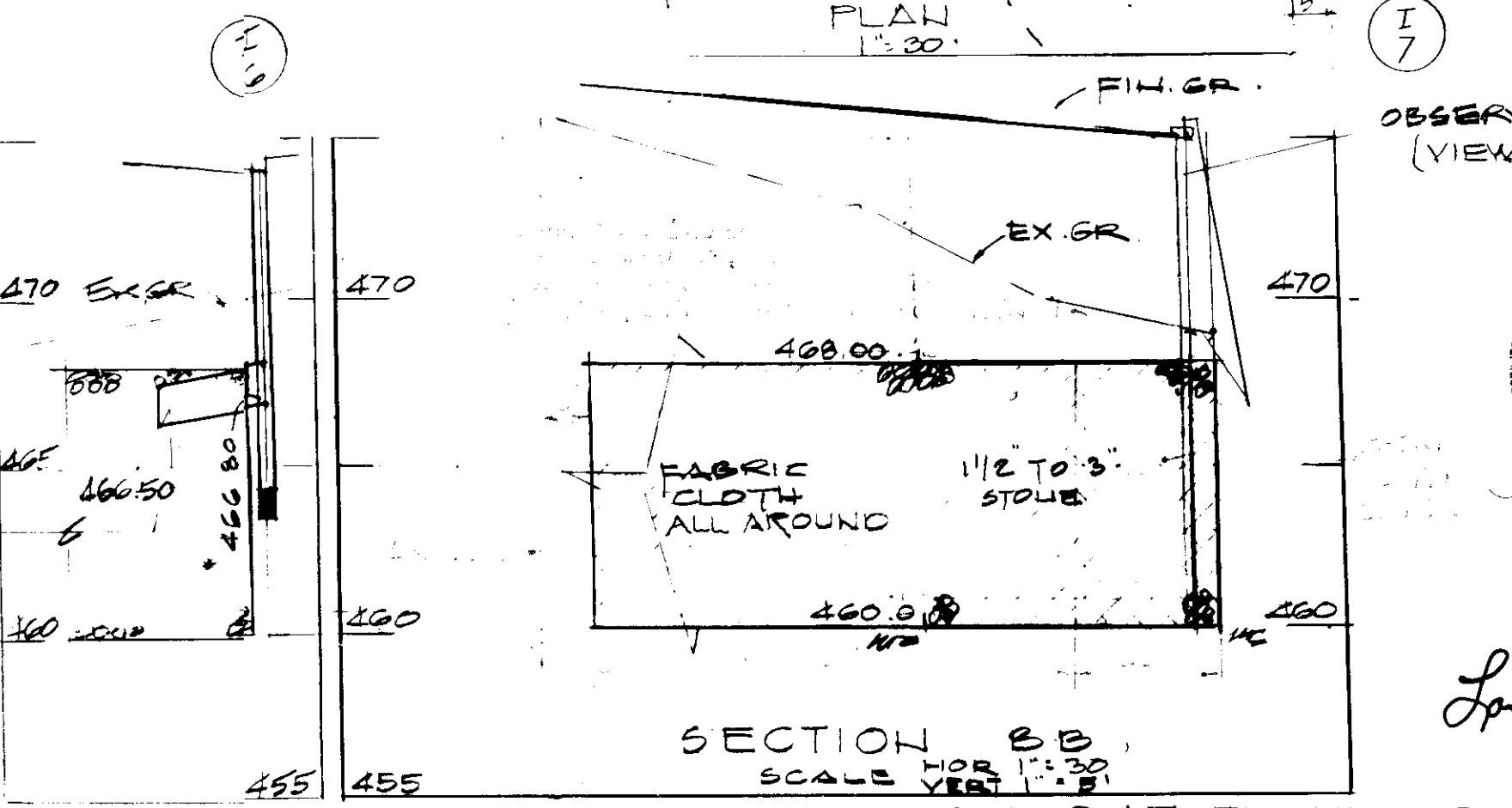
APPROVED:
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

... 2/21/91
DIRECTOR DATE

CHIEF, BUREAU OF ENGINEERING

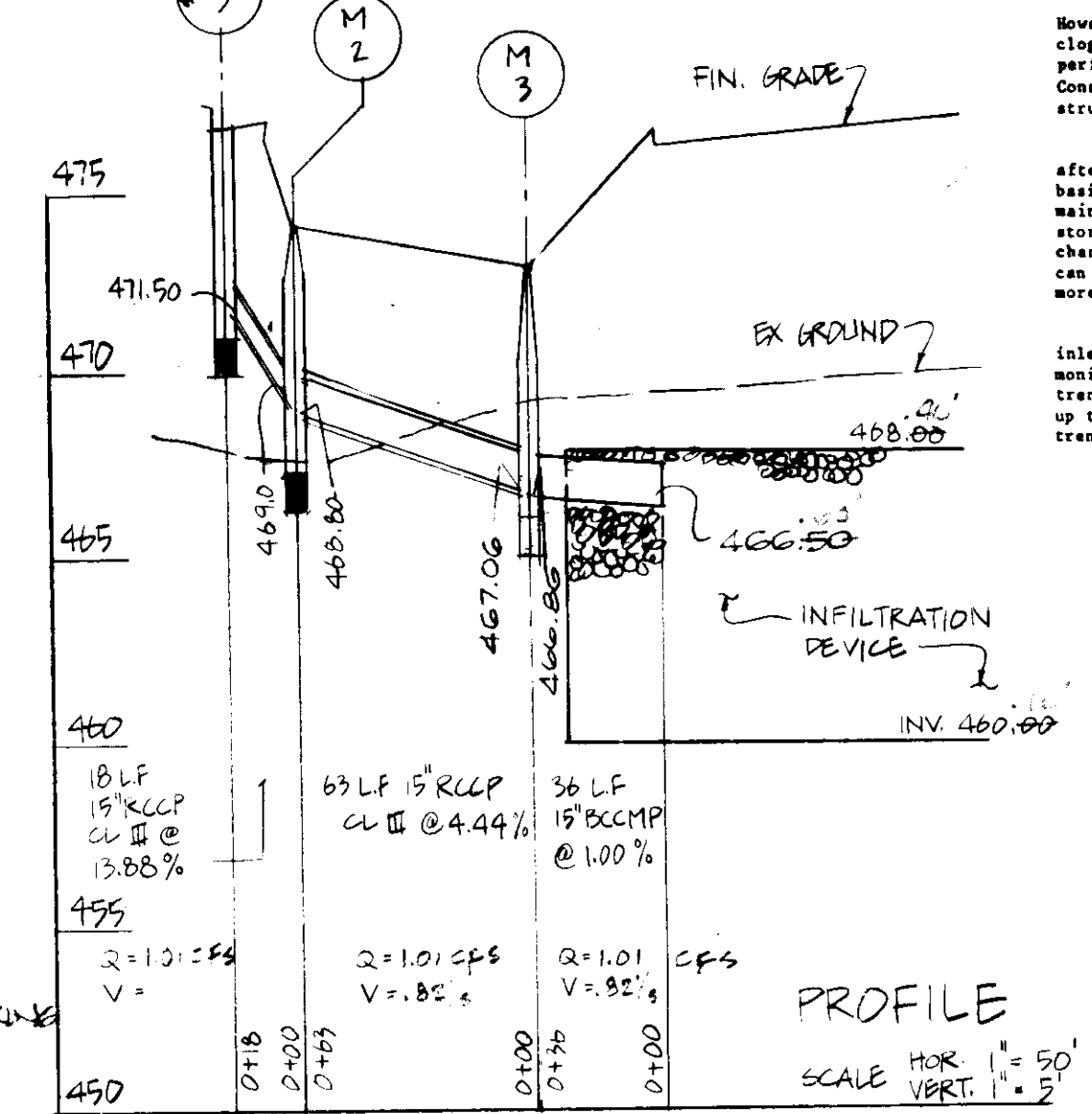
SECTION A-A
SCALE: HOR 1"=20'
VERT 1"=3'

S.W.M. INFILTRATION TRENCH & STORM DRAIN SYSTEMS



SECTION B-B
SCALE: HOR 1"=20'
VERT 1"=3'

S.W.M. INFILTRATION TRENCH NO. 2 5-15-90



S.W.M. INFILTRATION TRENCH AND STORM DRAIN SYSTEMS, DETAILS & PROFILES CENTER

RETAIL SALES CENTER

B.O.M.C. ASSOCIATES PROPERTY
PARCEL 17 & PARCEL 214 LOT 1
(1.21 AC) & (1.72 AC)

12192 MD. ROUTE 108
BLOCK 6

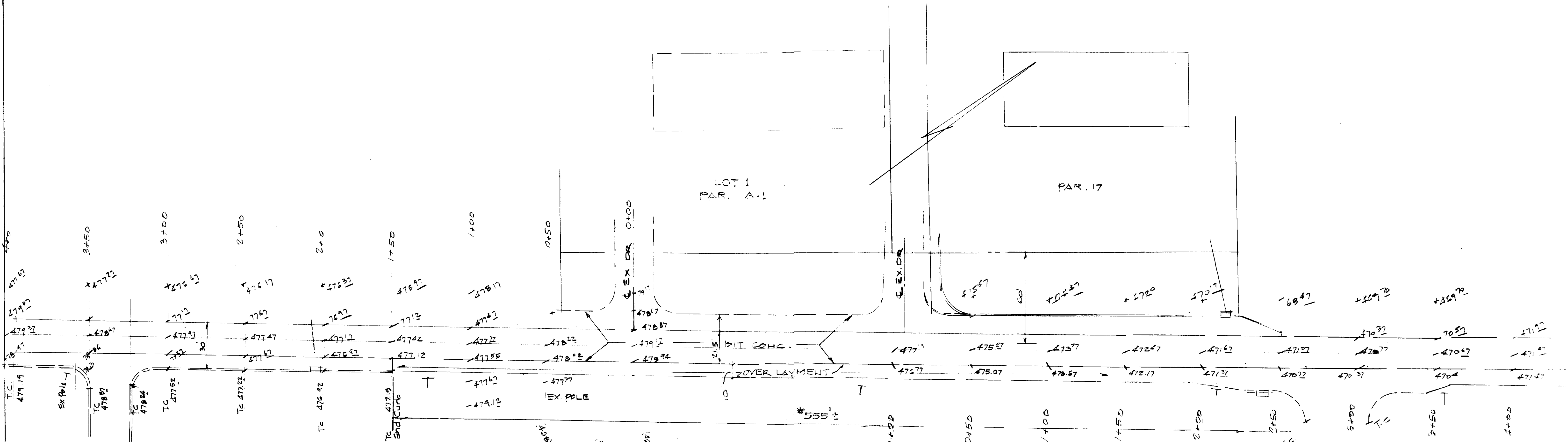
TAX MAP 5TH DISTRICT
SCALE: H.A.

40.00 MO-4-5-89

OWNER: SOMC ASSOCIATES
6309 HUNTOVER LANE
ROCKVILLE MD. 20852 704-65-2990

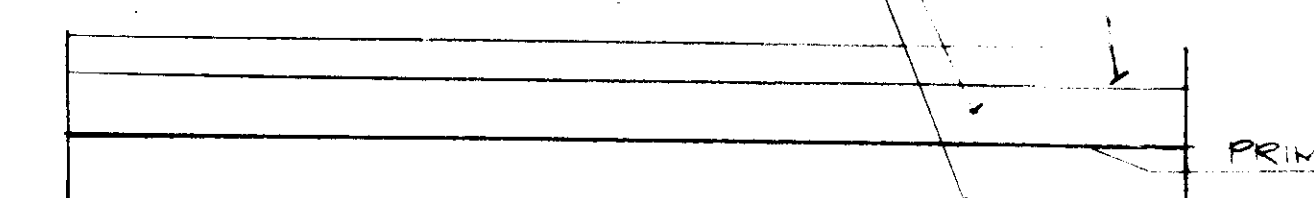
ENGINEER: LOUIS A. SPITTEL
1920 WOODSTOCK RD. 2
WOODSTOCK MD. 21163
301-465-2990

S.D.P. 89-197 SH. 5 OF 6



* DEVELOPER SHALL UPGRADE OVER LAYMENT BY PASS LANE EAST SIDE RT 108 TO 12 FT WIDTH WITH THE FOLLOWING PAVING SECTION

- 3" BIT. CONC. SURFACE COURSE
- 4" BIT. CONC. BASE
- 6" CRUSHER RUN BASE COURSE



NOTE ALL POLES IN CONFLICT WITH NEW WIDTH OF BY PASS LANE SHALL BE RELOCATED AT DEVELOPER'S EXPENSE

LOT 1, PAR. A-1
~~PROPOSED~~ PROPERTY
 RETAIL AND SALES CENTER
 SDMC ASSOCIATES PROPERTY
 PARCEL 17 & PARCEL 214 LOT 1
 (1.21 AC.) & (1.72 AC.)
 12186 & 12192 MD. ROUTE 108
 TAX MAP 34 BLOCK 6 HO. CO. MD.
 5TH. DISTR. SCALE 1"=20' 4.5.09

EXISTING CONDITIONS
 RT. 108
 VICINITY PAR 17 & 214 LOT 1
 12186 & 12192 MD. RT. 108

TAX MAP 34 BK 6
 5TH. DISTR. HO. CO. MD.
 SCALE 1"=20'

ENGINEERS: LOUIS A. SPITTEL
 1920 WOODSTOCK RD
 WOODSTOCK, MD. 21153
 465-2390

OWNER: SDMC ASSOCIATES
 6309 HUNTOVER LANE
 ROCKVILLE, MD. 20852
 465-2990



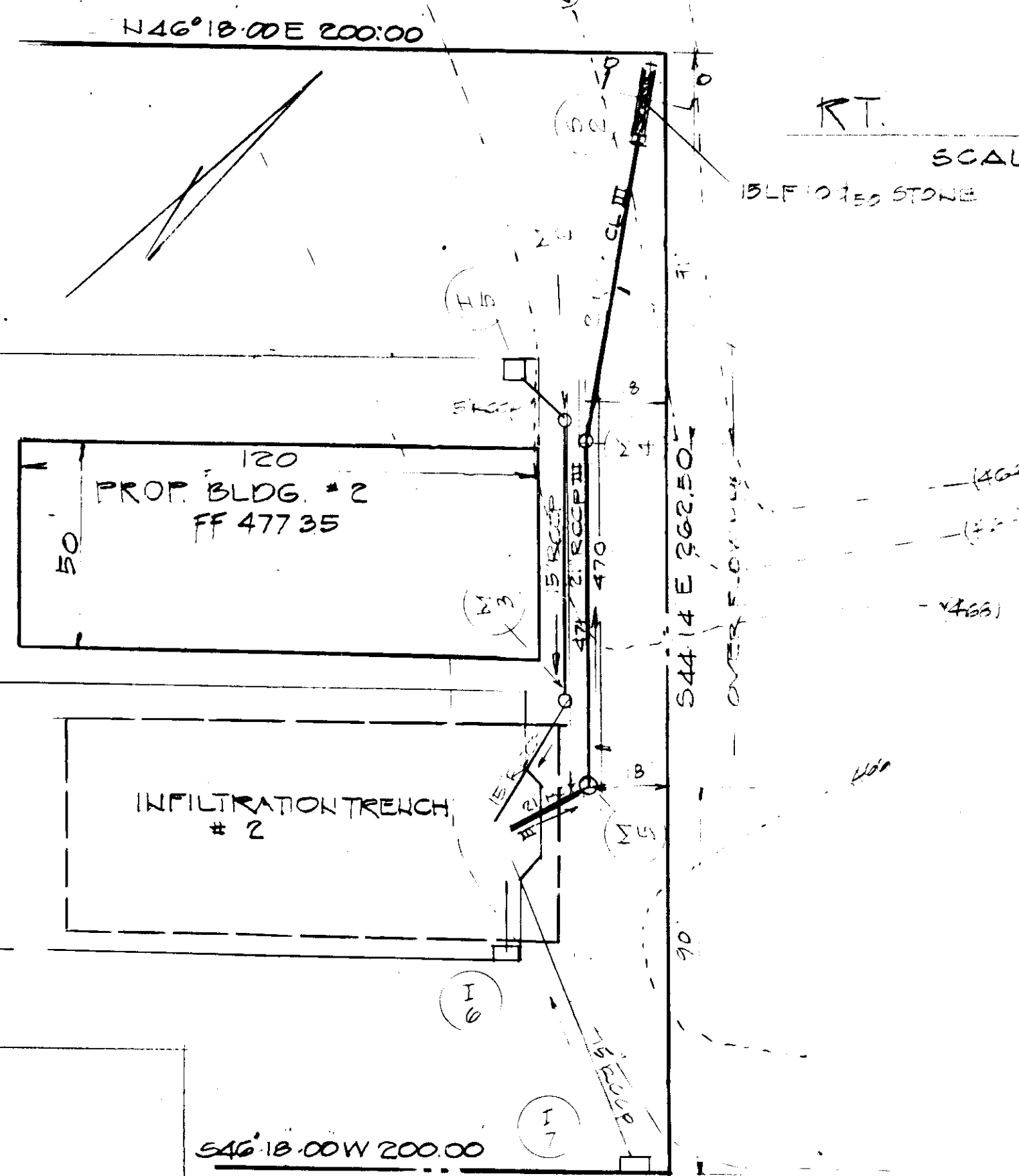
Louis A. Spittel
 5-15-90

NO.	TYPE	TOPEL	INVERT	REMARKS
M-4	STORM-HOLE	47.00	465.88	SEE NO. 100 OF 4
M-1		4.00	466.28	SEE 2
	STRUCT. ENDSECTION	466.28	466.28	SEE 2

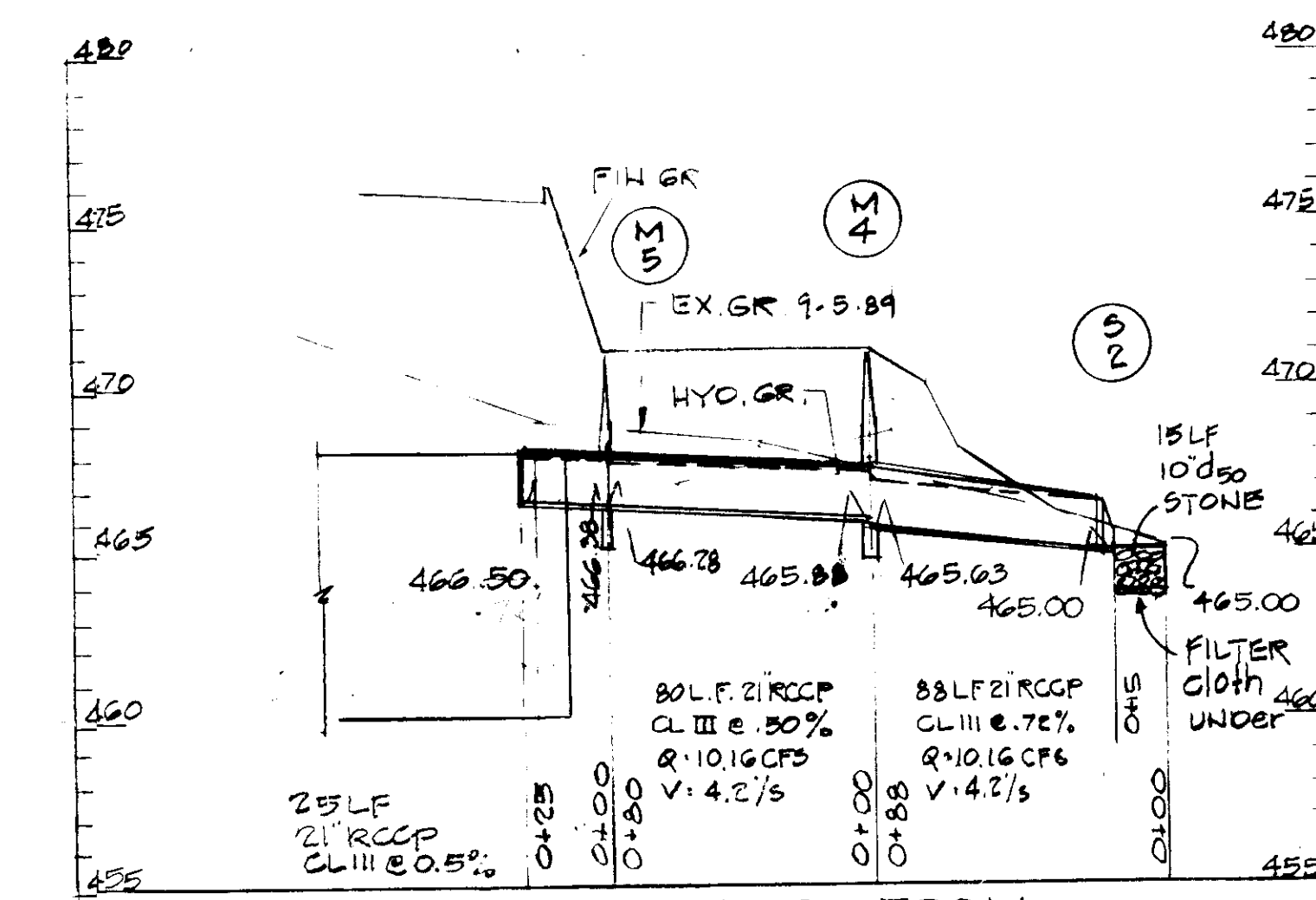
APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
John Bohler
 1-3-91
 DATE

APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
James R. Butler
 3/1/91
 DATE

APPROVED
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
James J. Chen
 2/21/91
 DATE



(MD. RT 108)
 PLAN
 OVER FLOW PIPE FROM
 INFILTRATION TRENCH NO. 2
 NO SCALE



OVER FLOW PIPE FROM
 INFILTRATION TRENCH NO. 2
 SCALE: HOR 1"=50'
 VERT 1"=5'