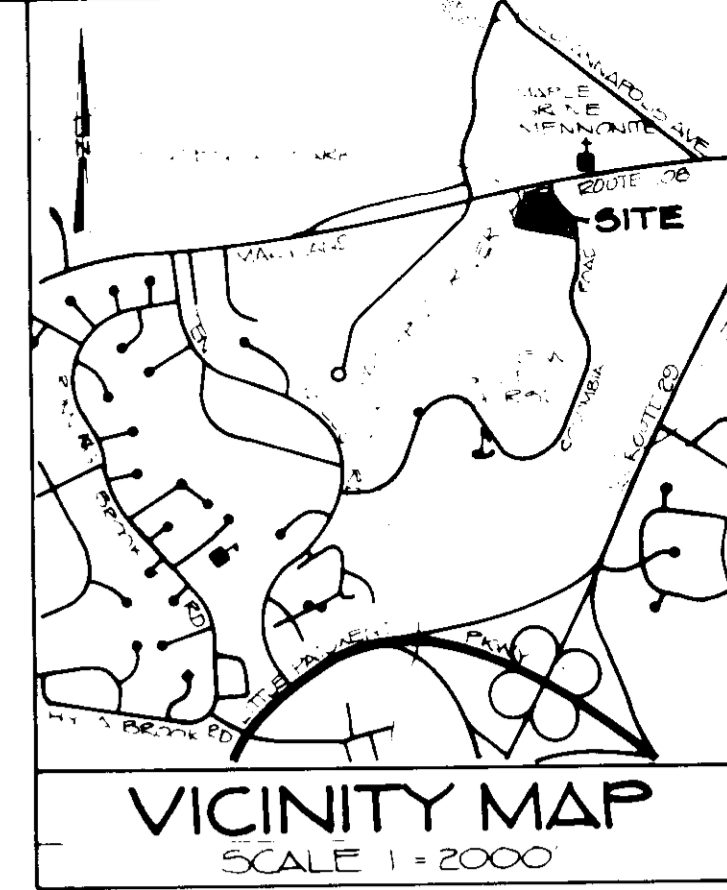


BLDG NO	STREET ADDRESS
1	4904
2	4906
3	4910
4	4912
5	4914
6	4916
7	4920
8	4922
9	4924
10	4926
11	4930
12	4932
13	4934
14	4936
15	4940
16	4942
17	4944
18	4946
19	4950
20	4952
21	4954
22	4956

CLARKSVILLE PIKE  
MD RTE 108



- GENERAL NOTES**
- EXISTING ZONING: N-1 DISTRICT
  - PLANNING BOARD CASE NO. 412 (WITH AMENDMENTS)
  - AREA OF PROPOSED PARCEL: 7.700 AC
  - AREA OF PROPOSED ROADS: 37,800 SF ± 1.32 AC
  - NUMBER OF LOTS PROPOSED: ONE (1)
  - WATER SYSTEM SHALL BE PUBLIC EXTENSION
  - SEWER SYSTEM SHALL BE PUBLIC EXTENSION
  - STORM DRAINAGE SHALL BE TO EXISTING PUBLIC SYSTEM
  - NUMBER OF UNITS PERMITTED: 192
  - NUMBER OF PARKING SPACES: REQUIRED - 264
  - INTERIOR CIRCULATION ROADS SHALL BE PRIVATE
  - COVERAGE SUMMARY: LOT SIZE - 339,42 SF
  - GROUND COVER: 0.00%
  - ROADWAY COVER: 17.14%
  - LANDSCAPE COVER: 17.77%
  - NET GREENSPACE: 149,962 SF ± 3.34 AC

**SECTION 10/22.4 FLOOR SPACE REQUIREMENTS**

UNIT TYPE	REQUIRED AREA	PROPOSED AREA
A	770 SF	182 SF
B	809 SF	190 SF
C	917 SF	104 SF
D	1026 SF	302 SF
E	1527 SF	143 SF
F	1477 SF	171 SF

**UNIT DESCRIPTION**

UNIT TYPE	DESCRIPTION
A	ONE UNIT
B	TWO UNIT
C	TWO UNIT
D	TWO UNIT
E	TWO UNIT
F	TWO UNIT

**BUILDING NO. NO. OF UNITS**

1	12
2	24
3	24
4	24
5	24
6	24
CLUBHOUSE	1

**UNIT TYPE NET LIVING AREA (SQ FT) NO. OF UNITS**

A/AH (HANDICAP)	770 SF	20/5
A-1	809 SF	11
B/BH (HANDICAP)	917 SF	10/1
C/C (HANDICAP)	1026 SF	8/3
D	1526 SF	21
D-1	1527 SF	11
D-2	1527 SF	12
E	1527 SF	11
F	1477 SF	11
<b>TOTAL</b>		<b>192</b>

NOTE: NET LIVING AREA MEASURED TO INSIDE OF EXTERIOR WALLS AND TO 1/2 OF PARTY WALLS.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS: HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH INSPECTOR: [Signature] DATE: 10/14/87

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 DIRECTOR: [Signature] DATE: 10-22-87  
 CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR: [Signature] DATE: 10/16/87  
 CHIEF BUREAU OF ENGINEERING

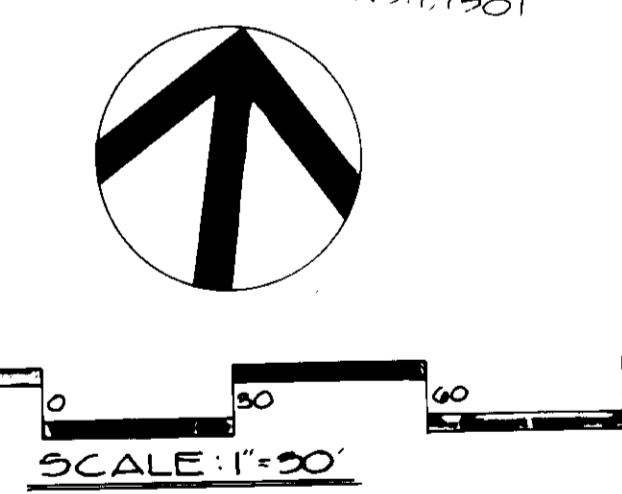
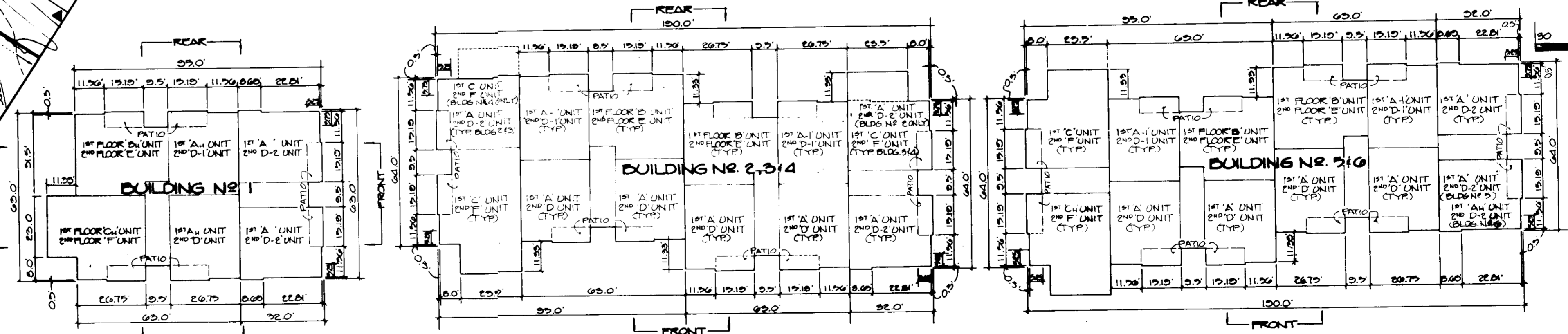
ENGINEER: DS THALER & ASSOCIATES, INC.  
 11 WARREN ROAD, BALTIMORE, MARYLAND 21208, (301) 484-4100

OWNER DEVELOPER: LEATHERFIELD JOINT VENTURE  
 A JOINT VENTURE BETWEEN MORRIS MILL, INC. & LEATHERFIELD, INC.  
 10715 CHARTER DRIVE, COLUMBIA, MARYLAND 21044, (301) 730-2240 (MR. GERALD J. RYAN)

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
 [Signature] DATE: 10/16/87  
 U.S. SOIL CONSERVATION SERVICE  
 THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 APPROVED: [Signature] DATE: 10/16/87  
 HOWARD SOIL CONSERVATION DISTRICT

- SEQUENCE OF CONSTRUCTION**
- INSTALL EROSION CONTROL MEASURES IN ACCORD WITH GRADING PLAN NO. 24187-10
  - AT CONTRACTOR'S OPTION, MASS GRADE OR GRADE BUILDING PAD
  - NOTIFY CONSTRUCTION INSPECTION DIVISION (702-2630) 24 HRS. IN ADVANCE OF FOLLOWING WORK
  - CONSTRUCT BUILDINGS, INSTALL UTILITIES/PROTECT INLETS
  - INSTALL CURB AND GUTTERS
  - STABILIZE OR SILT FENCE COMPLETED SITE WORK
  - INSTALL PAVING BASE COURSE, REMOVE TRAP
  - REMOVE SILT FENCE, Dikes and INLET PROTECTION
  - INSTALL LANDSCAPING, TREES AND WALKS.
1. PLANNING BOARD CASE NO. 412 (WITH AMENDMENTS)  
 2. FDP PHASE 131A PLAT 3054-A, B15THRU B25  
 3. RECORDED PLAT NO. 69589  
 4. THIS PLAN IS SUBJECT TO THE PROVISIONS OF V.P. 87-145

THIS PLAN SUBJECT TO THE PROVISIONS OF VP-87-145



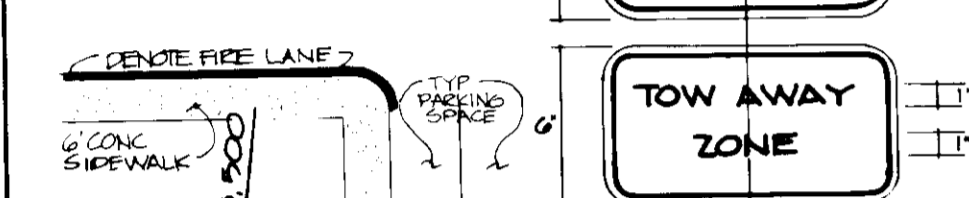
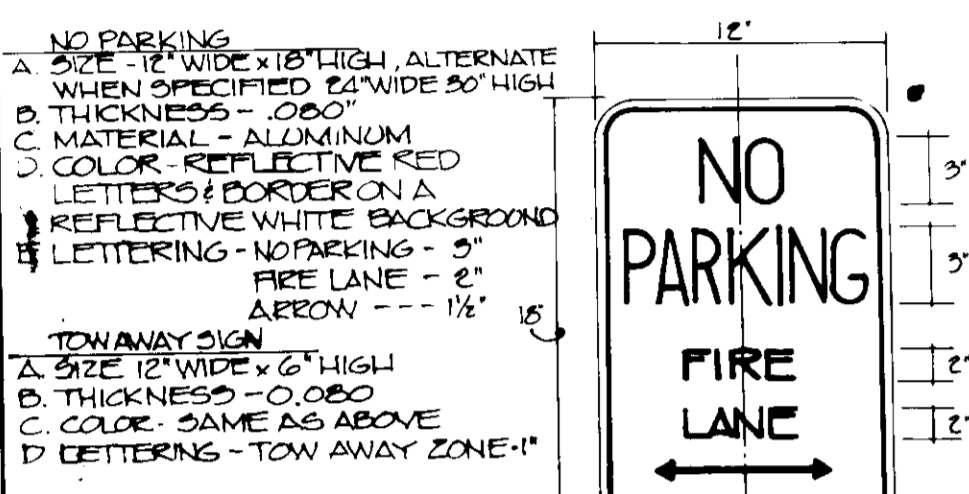
SITE DEVELOPMENT PLAN  
 PARCEL "G"  
 VILLAGE OF DORSY'S SEARCH  
 SECTION 3, AREA 1  
 PLAT NO. 6959  
 9TH ELECTION DISTRICT, HOWARD COUNTY, MD  
 SCALE 1"=30' DATE: 11 MAY 87

SHEET NUMBER: 1 of 6

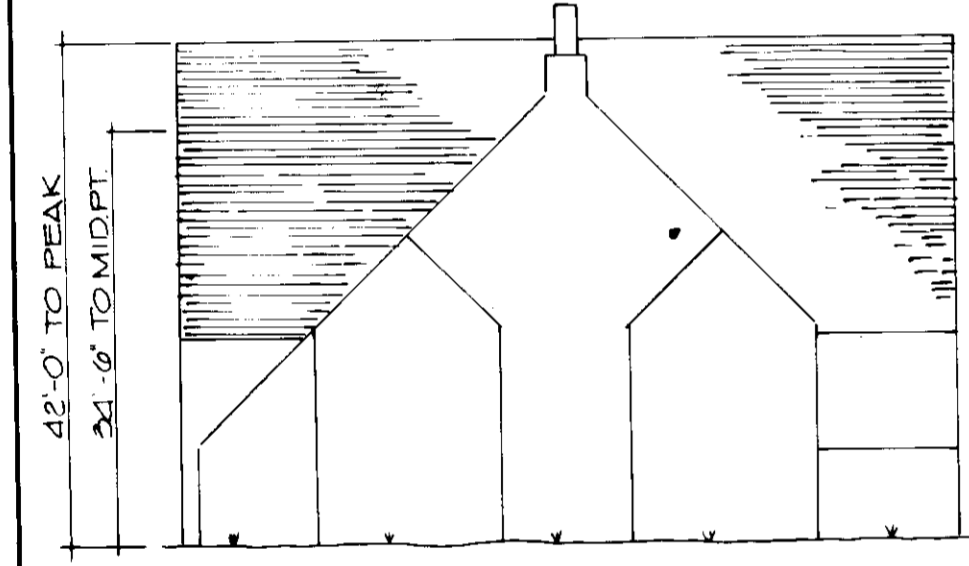
NOTE: SELF CONTAINED AND SCREENED TRASH COMPACTOR FOR PRIVATE REFUSE COLLECTION, EXEMPTION AND IN ACCORDANCE WITH REGULATIONS.

- P-1 PARKING AREAS AND TRAILWAYS APARTMENTS AND COMMERCIAL INDUSTRIAL ZONES WITH NO HEAVY TRUCKS
- P-2 RESIDENTIAL ZONES LOCAL CUL-DE-SACS, ALLEYS AND PRIVATE ROADS SERVING INDIV. LOTS PARKING AREAS APARTMENTS AND COMMERCIAL INDUSTRIAL ZONES WITH NO MORE THAN 10 HEAVY TRUCKS PER DAY
- \* HEAVY TRUCKS DEFINE AS THOSE WITH 6 OR MORE WHEELS.

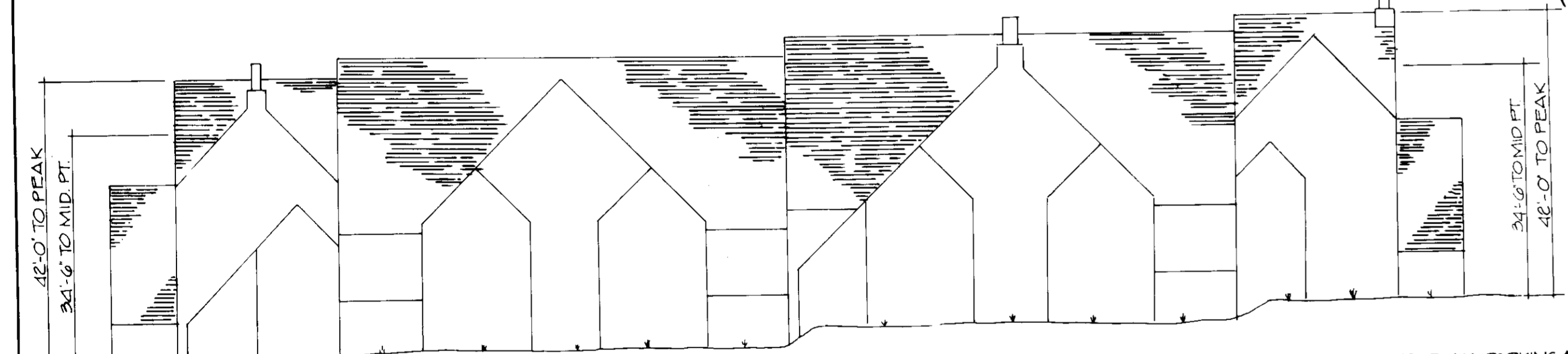
**PAVING SECTIONS**  
NOT TO SCALE



**FIRE LANE SIGN DETAIL & NOTES**  
NOT TO SCALE



**TYPICAL END ELEVATION**  
SCALE 1/8" = 1'-0"



**HIGHT SCHEMATIC TYPICAL FRONT ELEVATION**  
SCALE 1/8" = 1'-0"

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS - HOWARD COUNTY HEALTH DEPARTMENT  
*James M. Boyd, M.D., P.E.*  
 COUNTY HEALTH INSPECTOR  
 10/21/87 DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING  
*John W. Mueselmann*  
 DIRECTOR  
 10-21-87 DATE  
 CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

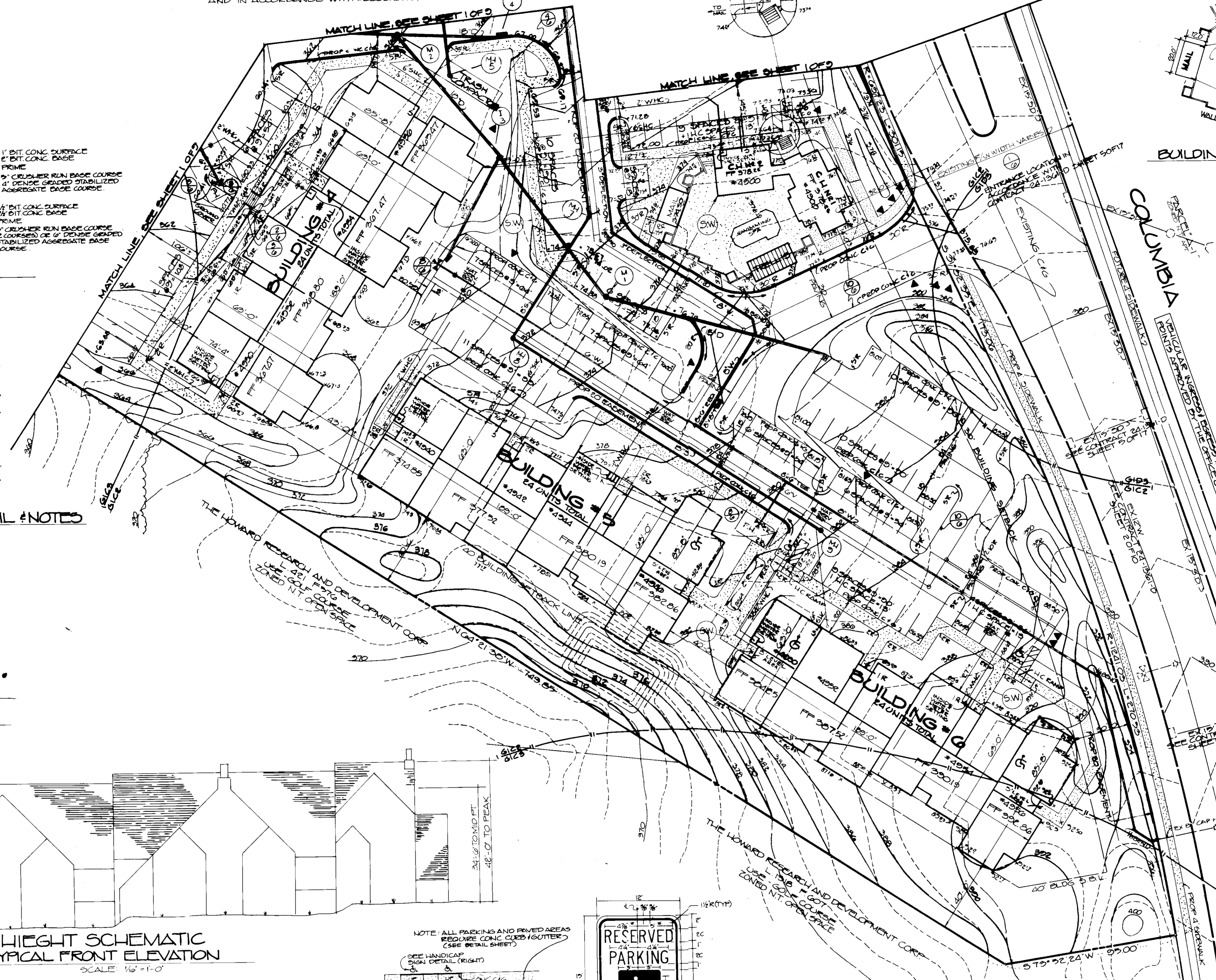
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*James M. Boyd*  
 DIRECTOR  
 10/21/87 DATE  
 CHIEF BUREAU OF ENGINEERS

ENGINEER  
**DS THALER & ASSOCIATES, INC.**  
 11 WARREN ROAD  
 BALTIMORE, MARYLAND  
 21208  
 (301) 484-4100

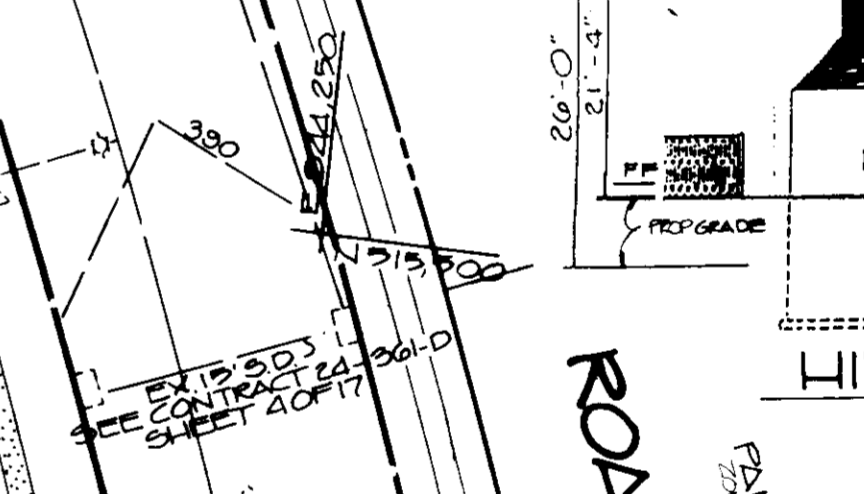
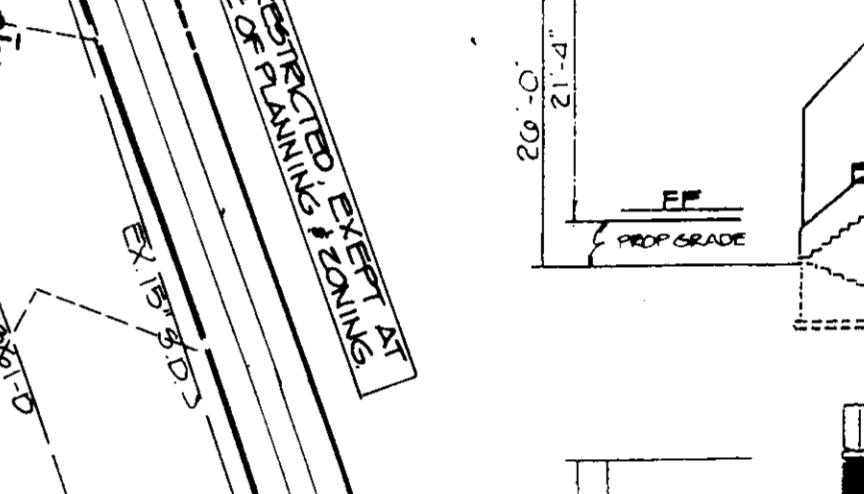
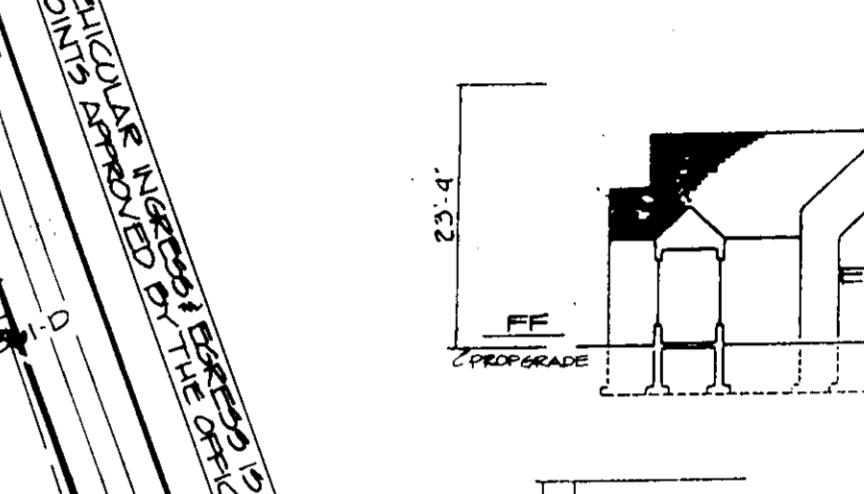
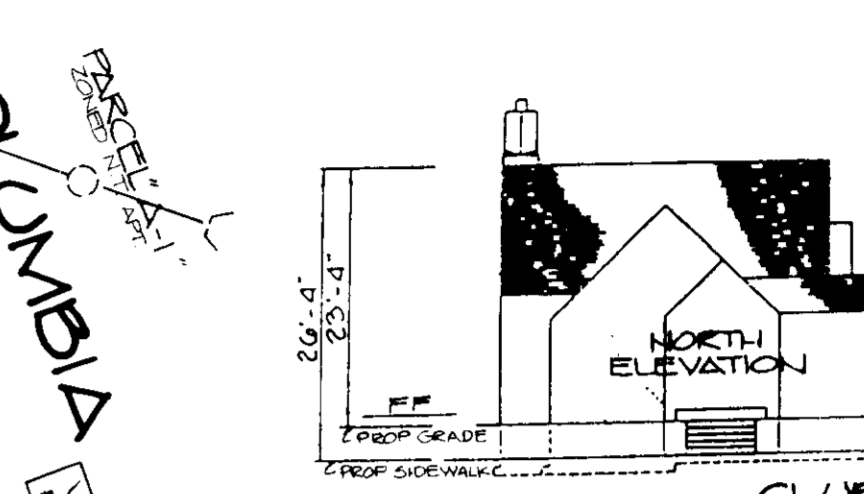
OWNER/DEVELOPER  
**LEATHERFIELD JOINT VENTURE**  
 A JOINT VENTURE BETWEEN  
 MORRIS MILL INC. & LEATHERFIELD INC.  
 10715 CHARTER DRIVE  
 COLUMBIA, MARYLAND 21044  
 (301) 730-2840 (MR. GERALD J. RYAN)

ADDRESS CHART		SUBDIVISION NAME		DISTRICT	
LOT NO.	STREET ADDRESS	V.O.S.	3/1	G	
SEE CHART, SHEET T-05		PLAT OR BLOCK	ZONE	TAX MAP	CLUB DISTRICT
		0535	9	30	574 6052.02
		WATER CODE	SEWER CODE		
		EO1	9700000		

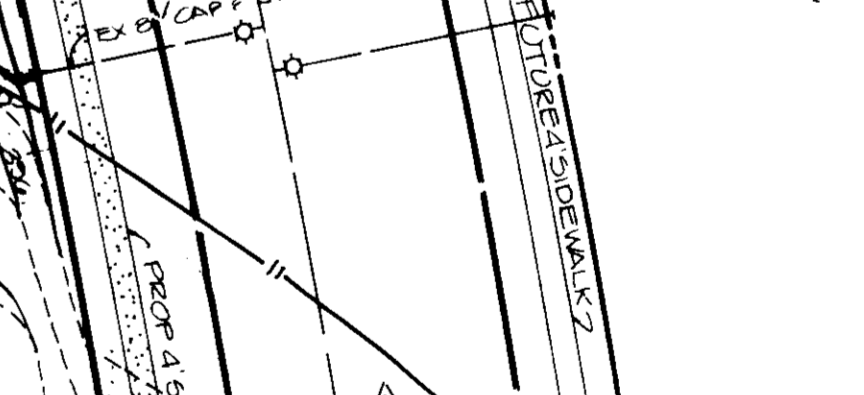
FINAL REVISION 8-22-87  
**SITE DEVELOPMENT PLAN**  
**PARCEL 'G'**  
**VILLAGE OF DORSY'S SEARCH**  
**SECTION 3, AREA 1**  
**PLAT # 0535**  
 5TH ELECTION DISTRICT - HOWARD COUNTY MD  
 SCALE 1" = 30'  
 DATE 11 MAY 87  
 SHEET NUMBER  
**2 OF 3**  
 TWH, RAG



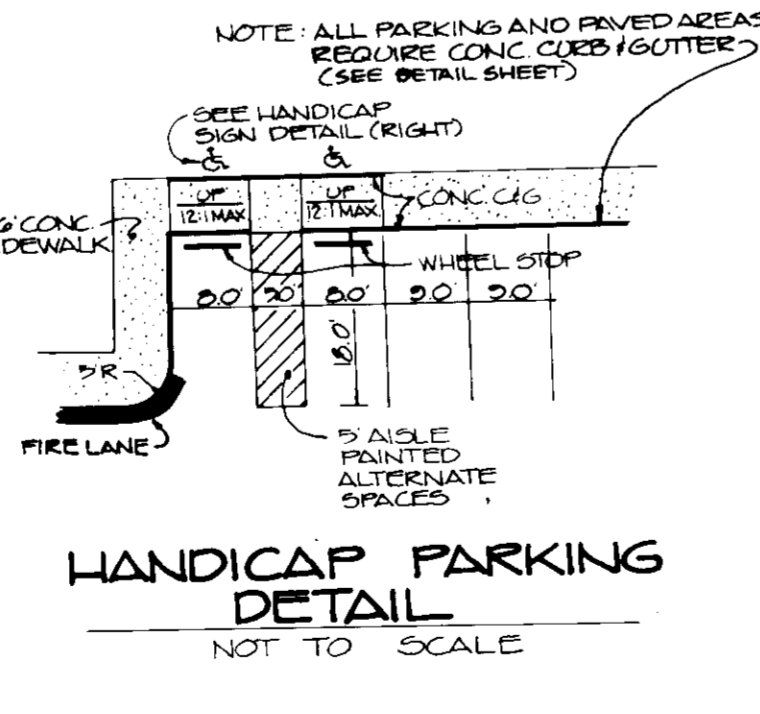
**BUILDING DIMENSION DETAIL**  
SCALE 1" = 30'



**HIGHT SCHEMATIC**  
SCALE 1/8" = 1'-0"



**HANDICAP PARKING SIGN DETAIL & NOTES**  
NOT TO SCALE

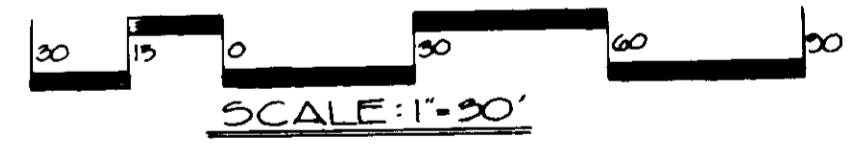
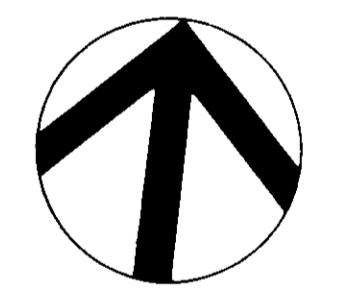


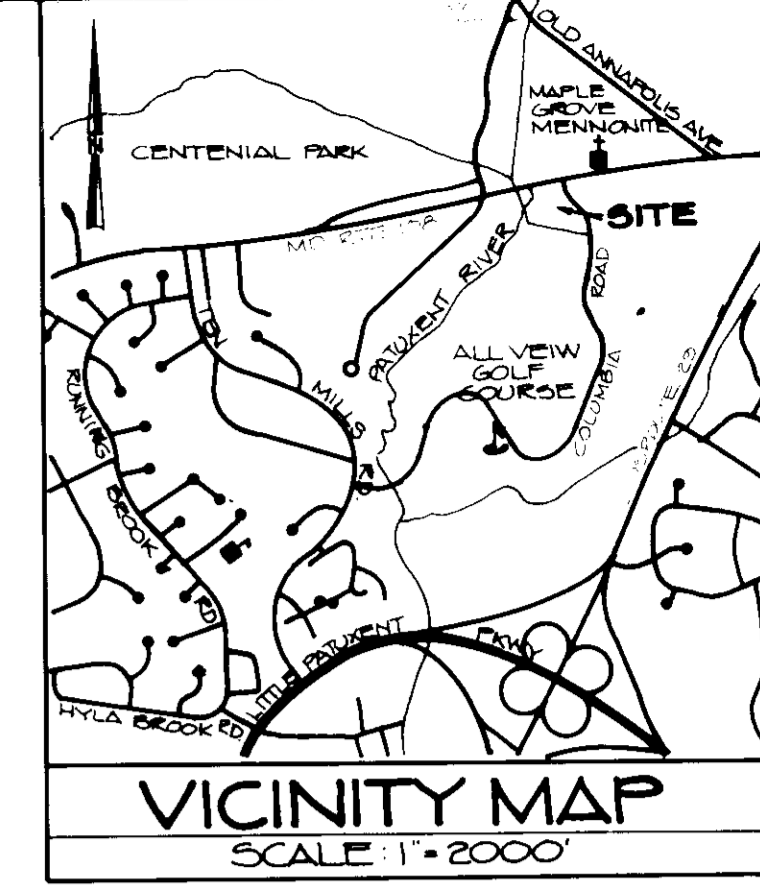
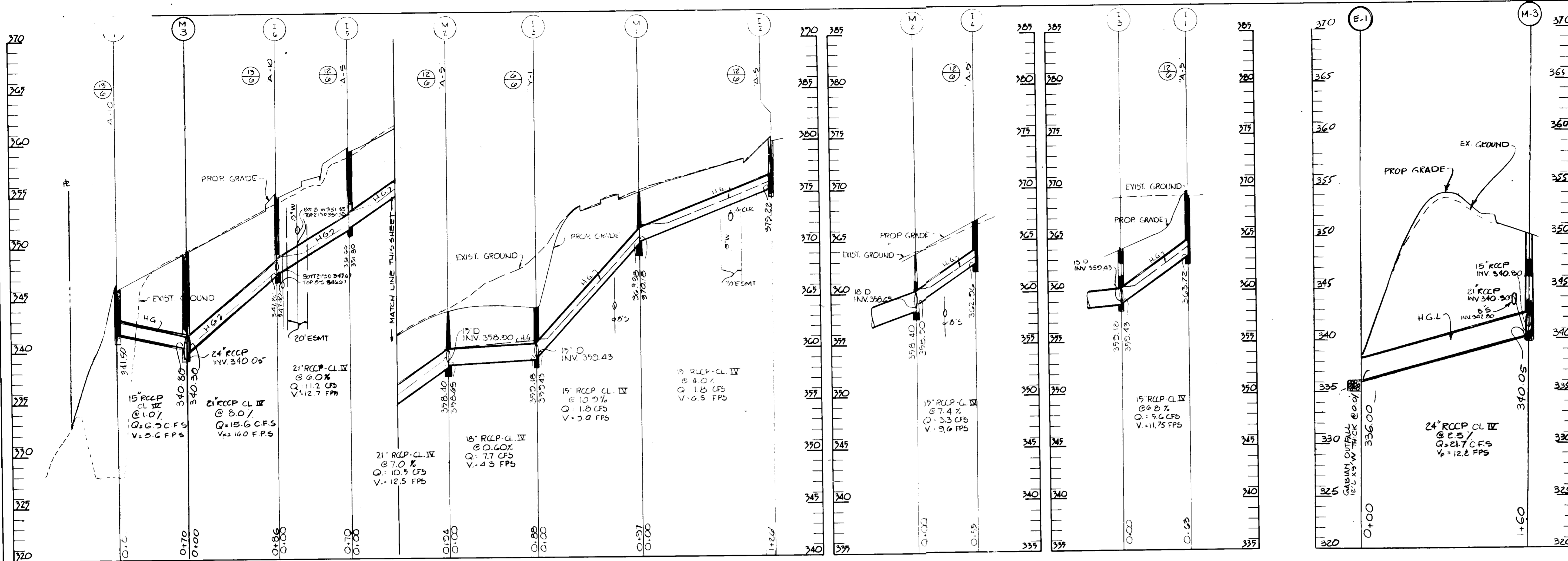
**HANDICAP PARKING DETAIL**  
NOT TO SCALE

**SIGN COLORS**  
 LEGEND BOARDER - GREEN  
 WHITE SYMBOL ON BLUE BACKGROUND  
 BACKGROUND - REFLECTIVE WHITE

**NOTES**  
 1. SIGNS REQUIRE 0000 ALUMINUM BLANKS W/ SINGLE MOUNTING HOLES  
 2. BOTTOM EDGE OF SIGN SHALL BE NO LESS THAN 7 FEET ABOVE GROUND EXCEPT WHEN MOUNTED AGAINST A STRUCTURE OR BUILDING. THE SIGN SHALL BE AT LEAST 6" BUT NO MORE THAN 10" ABOVE GROUND.

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
*James M. Boyd*  
 U.S. SOIL CONSERVATION SERVICE  
 10-8-87 DATE  
 THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 APPROVED:  
 DISTRICT SOIL CONSERVATION DISTRICT  
 10/21/87 DATE





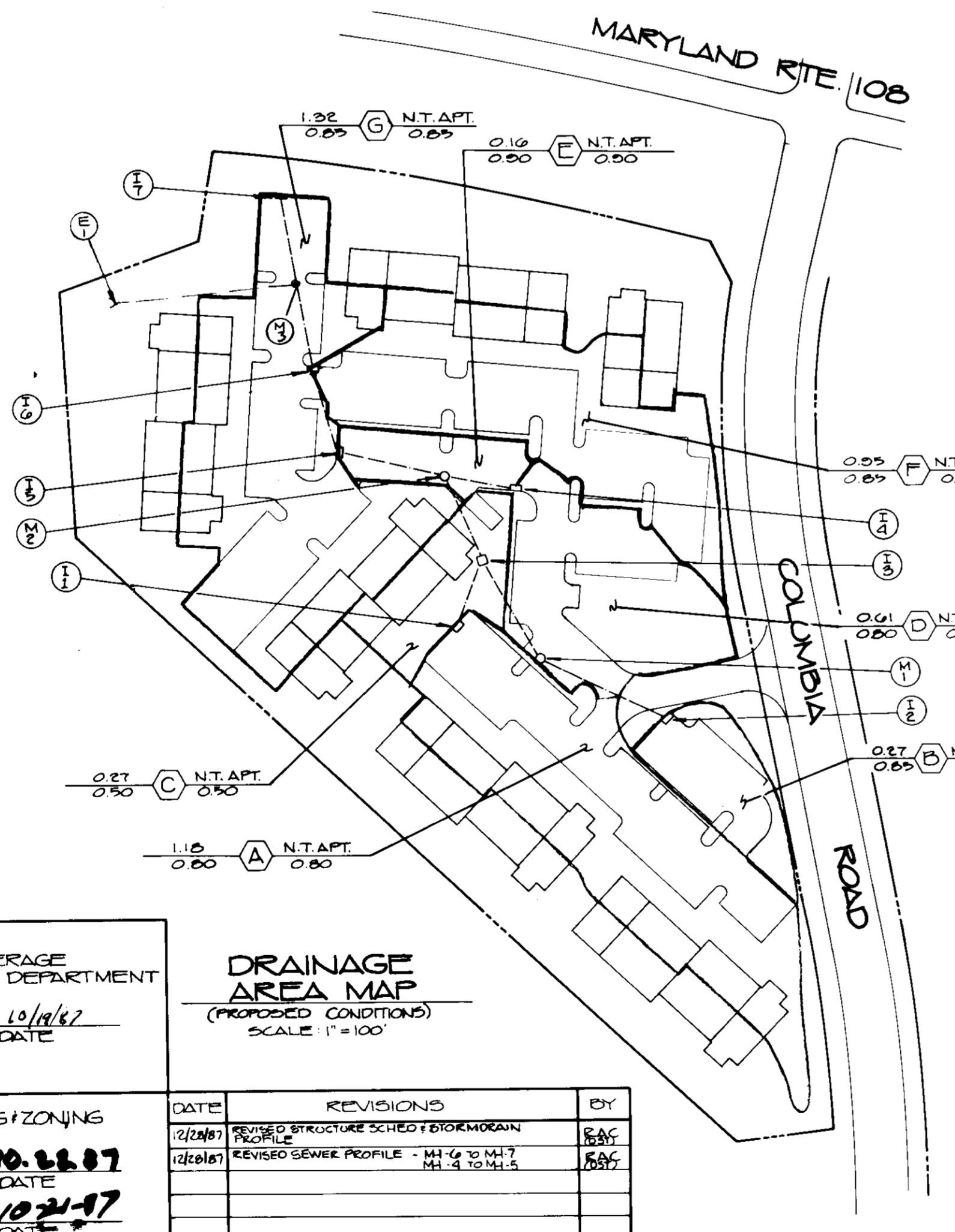
REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

*James M. Kelly* 10/8/87  
U.S. SOIL CONSERVATION SERVICE DATE

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

APPROVED: *Heather Thaler* 10/8/87  
DISTRICT HOWARD SOIL CONSERVATION DISTRICT DATE

STORMDRAIN STRUCTURE SCHEDULE					
NO.	TYPE	INV. IN	INV. OUT	TOP EL.	REMARKS
I-1	A 5'	---	343.72	349.25	1/2"
I-2	A 5'	---	375.22	380.85	1/2"
I-3	Y-1	350.43	350.18	344.00	1/2" GRATE
I-4	A 5'	---	362.56	367.27	1/2"
I-5	A 5'	351.80	351.20	353.24	1/2"
I-6	A 10'	347.40	347.20	355.20	1/2"
I-7	A 10'	---	331.50	344.60	1/2"
M-1	STANDARD	372.13	369.22	379.16	
M-2	STANDARD	358.58	358.40	363.34	
M-3	STANDARD	343.28	340.03	349.85	
E-1	END WALL	334.00	---	---	



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

*James M. Kelly* 10/16/87  
COUNTY HEALTH INSPECTOR DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING/ZONING

*John W. Marshall* 10-22-87  
DIRECTOR DATE

CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

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

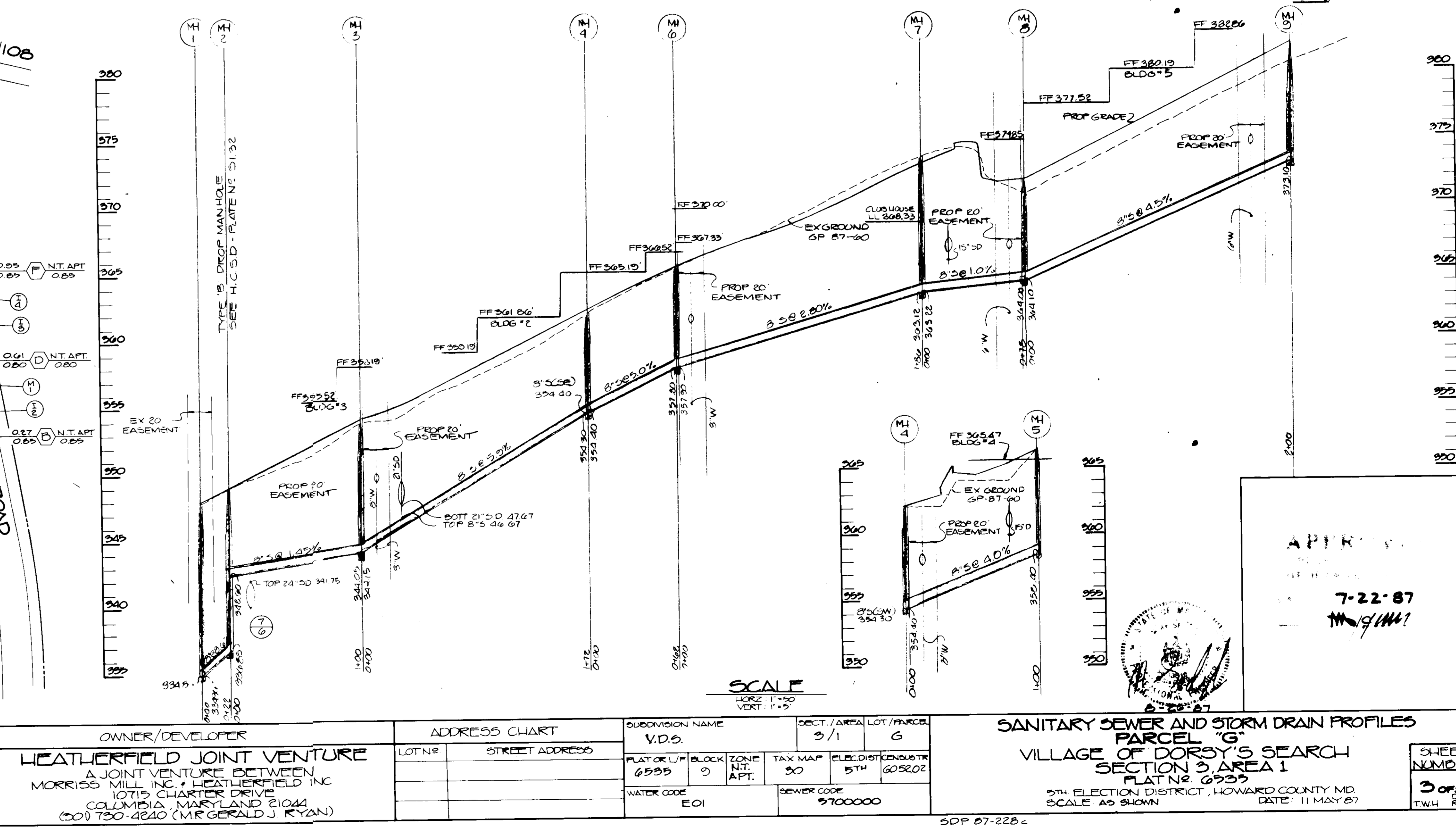
*James M. Kelly* 10/16/87  
DIRECTOR DATE

*James M. Kelly* 10-18-87  
CHIEF BUREAU OF ENGINEERING DATE

**DRAINAGE AREA MAP**  
(PROPOSED CONDITIONS)  
SCALE 1" = 100'

DATE: 10/16/87  
REVISIONS:  
1. REVISED STRUCTURE SCHEDULE & EROSION PROFILE  
2. REVISED SEWER PROFILE - M-1 TO M-7  
BY: JMK  
DATE: 10/16/87

**ENGINEER**  
D.S. THALER & ASSOCIATES, INC.  
11 WARREN ROAD  
BALTIMORE, MARYLAND 21208  
(301) 484-4100



**OWNER/DEVELOPER**  
HEATHERFIELD JOINT VENTURE  
A JOINT VENTURE BETWEEN MORRIS MILL, INC. & HEATHERFIELD, INC.  
10715 CHARTER DRIVE  
COLUMBIA, MARYLAND 21044  
(301) 730-4240 (MR. GERALD J. RYAN)

**ADDRESS CHART**

LOT NO.	STREET ADDRESS

**SUBDIVISION NAME**  
V.D.S.

PLAT OR L.P.	BLOCK	ZONE	TAX MAP	BLDG. DIST.	CONSTR.
6995	9	N.T. APT.	50	5TH	6052.02

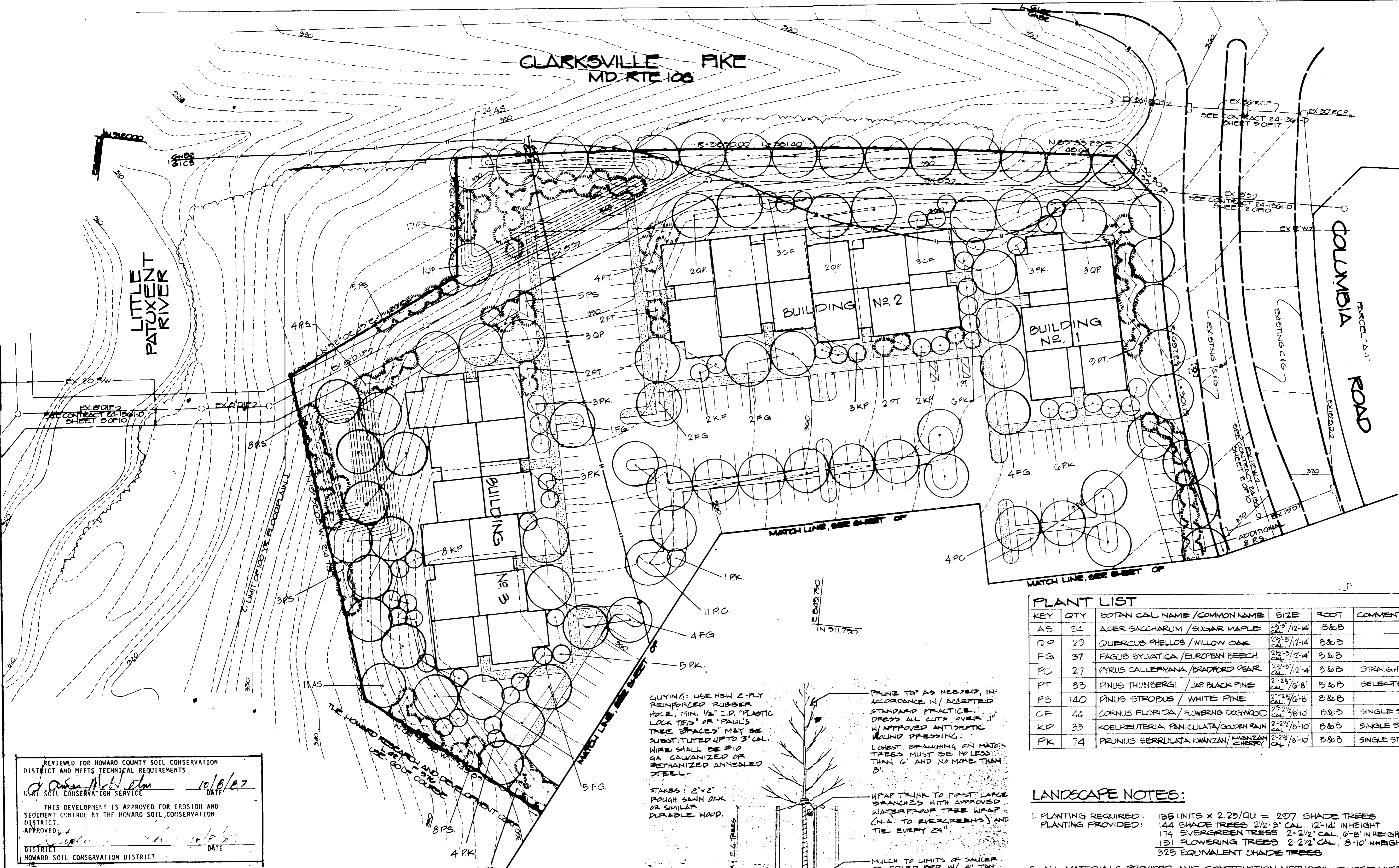
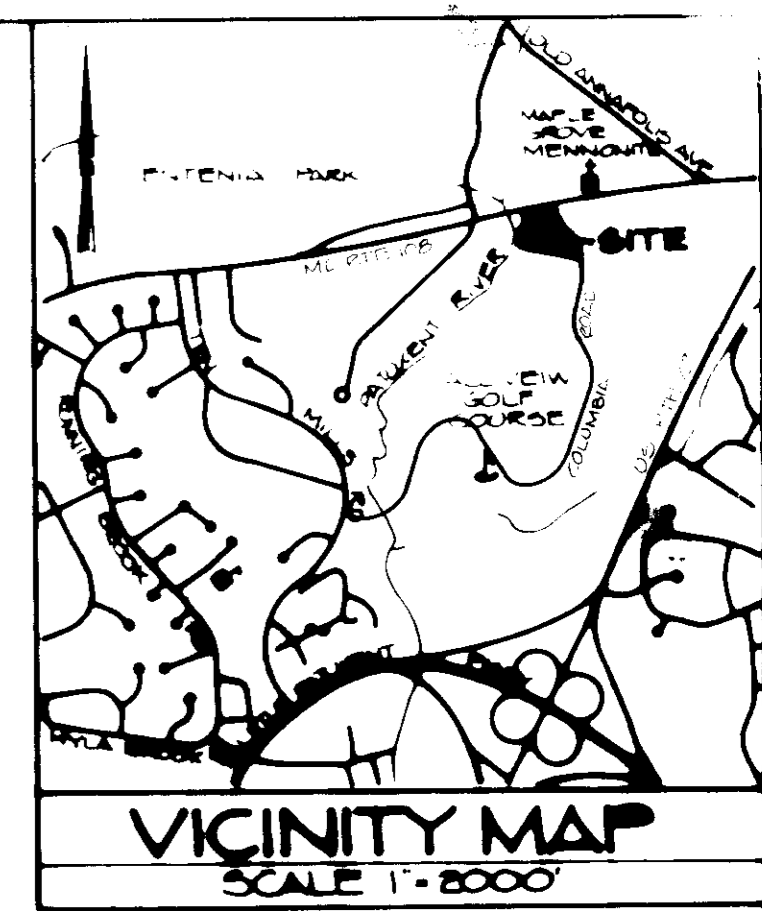
**SEWER CODE**  
2700000

**SANITARY SEWER AND STORM DRAIN PROFILES**  
PARCEL "G"  
VILLAGE OF DORSEY'S SEARCH SECTION 3 AREA 1  
PLAT NO. 6933  
5TH ELECTION DISTRICT, HOWARD COUNTY MD  
SCALE AS SHOWN DATE: 11 MAY 87

APPROVED: *Heather Thaler* 7-22-87  
DATE

SHEET NUMBER  
3 OF 3  
T.W.H. R.A.C.

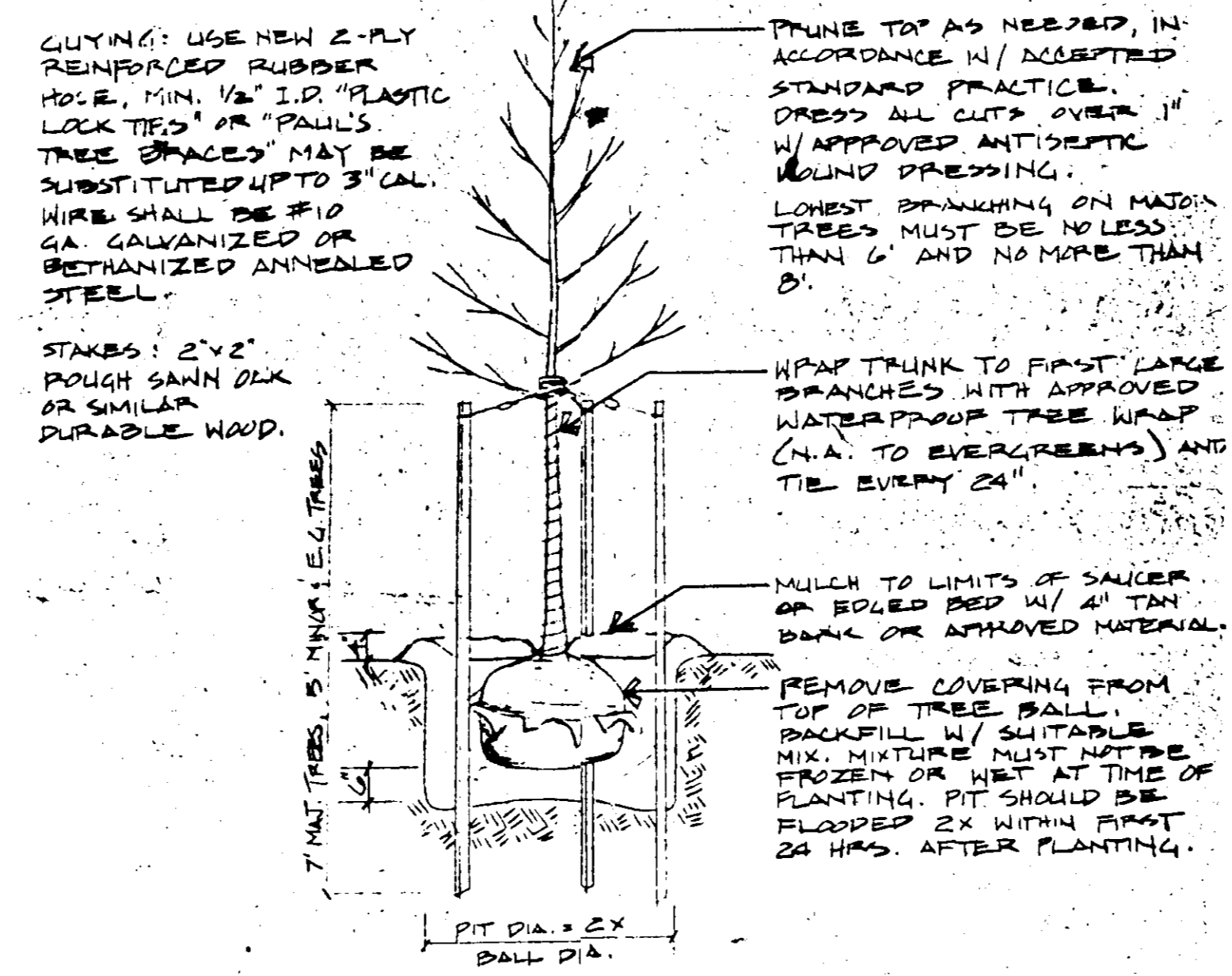
50P 87-228c



KEY	QTY	BOTANICAL NAME / COMMON NAME	SIZE	ROOT	COMMENTS
AS	54	ACER SACCHARUM / SUGAR MAPLE	2 1/2" / 12-14"	B&B	
QP	27	QUERCUS PHELLOS / WILLOW OAK	2 1/2" / 12-14"	B&B	
FG	37	FAGUS SYLVATICA / EUROPEAN BEECH	2 1/2" / 12-14"	B & B	
PC	27	PIRUS CALLERYANA / BRADFORD PEAR	2 1/2" / 12-14"	B & B	STRAIGHT
PT	33	PIRUS THUNBERGII / JAP BLACK PINE	2 1/2" / 6'-8"	B & B	SELECTED
PS	140	PIRUS STROBUS / WHITE PINE	2 1/2" / 6'-8"	B & B	
CF	44	CORNUS FLORIDA / FLOWERING DOGWOOD	2 1/2" / 6-10"	B&B	SINGLE STEM
KP	33	KOELREUTERIA PANICULATA / GOLDEN RAIN	2 1/2" / 6-10"	B&B	SINGLE STEM
PK	74	PRUNUS SERRULATA / KWANZAN / KWANZAN CHERRY	2 1/2" / 6-10"	B&B	SINGLE STEM

**LANDSCAPE NOTES:**

- PLANTING REQUIRED: 135 UNITS X 2.25/DU = 297 SHADE TREES  
 PLANTING PROVIDED: 144 SHADE TREES 2 1/2" CAL., 12-14" IN HEIGHT  
 174 EVERGREEN TREES 2-2 1/2" CAL., 6-8" IN HEIGHT  
 151 FLOWERING TREES 2-2 1/2" CAL., 8-10" IN HEIGHT  
 375 EQUIVALENT SHADE TREES
- ALL MATERIALS PROVIDED AND CONSTRUCTION METHODS UTILIZED MUST CONFORM TO GUIDELINES FOR RESIDENTIAL PLANTING ESTABLISHED BY THE ARCHITECTURAL COMMITTEE, REV 13 NOV 85.
- UNLESS OTHERWISE INDICATED SHADE TREES ARE TO BE PLANTED NO CLOSER THAN 30' O.C.; EVERGREEN TREES 12' O.C.
- PLANTS MUST BE GUARANTEED AS PER ARCHITECTURAL COMMITTEE GUIDELINES.



REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
 10/8/87  
 SOIL CONSERVATION SERVICE  
 APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.  
 10/8/87  
 DISTRICT HOWARD SOIL CONSERVATION DISTRICT

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT  
 10/14/87  
 COUNTY HEALTH INSPECTOR

APPROVED HOWARD COUNTY OFFICE OF PLANNING / ZONING  
 10.22.87  
 10.22.87  
 DEPARTMENT OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 10/16/87  
 10-16-87  
 CHIEF BUREAU OF ENGINEERING

ENGINEER  
**D.S. THALER & ASSOCIATES, INC.**  
 11 WARREN ROAD  
 BALTIMORE, MARYLAND  
 21205  
 (301) 484-4100

OWNER/DEVELOPER  
**HEATHFIELD JOINT VENTURE**  
 A JOINT VENTURE BETWEEN  
 MORRIS HALL INC. / HEATHFIELD INC.  
 10715 CHARTER DRIVE  
 COLUMBIA, MARYLAND 21048  
 (301) 750-6240 (MR GERALD J. RYAN)

ADDRESS CHART  
 LOT NO. STREET ADDRESS

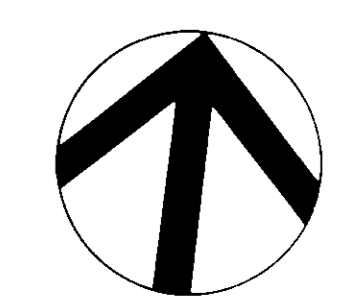
DIVISION NAME  
**V.D.S.**  
 3/1 G  
 PLAT OR BLOCK G535  
 ZONE NT. APT.  
 TAX MAP 30  
 ELEC DISTRICT 5TH  
 WATER CODE E01  
 DEWEY CODE 5700000

LANDSCAPE PLAN  
**PARCEL 'G'**  
 VILLAGE OF DORCY'S SEARCH  
 SECTION 3, AREA 1  
 PLAT NO. G535  
 9TH ELECTION DISTRICT, HOWARD COUNTY MD  
 SCALE 1" = 30'  
 DATE  
 SHEET NUMBER  
**4 of 5**  
 TWH: EJT



NOTE:  
FOR ADDITIONAL INFORMATION  
SEE SHEET 1 OF 2, OF LANDSCAPE  
PLAN.

*Colleges*



SCALE: 1" = 30'

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
*James M. Nelson* 10/2/87  
 U.S. SOIL CONSERVATION SERVICE DATE  
 THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 APPROVED: *James M. Nelson* 10/2/87  
 DISTRICT DATE  
 HOWARD SOIL CONSERVATION DISTRICT

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT  
*Joseph M. ...* 10/14/87  
 COUNTY HEALTH INSPECTOR DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING/ZONING  
*...* 10/11/87  
 DIRECTOR DATE  
*...* 10/20/87  
 CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*James M. ...* 10/16/87  
 DISTRICT DATE  
*...* 10/15/87  
 CHIEF BUREAU OF ENGINEERS DATE

ENGINEER  
**DSTHALER & ASSOCIATES, INC.**  
 11 WARREN ROAD  
 BALTIMORE, MARYLAND  
 21208  
 (301) 482-4100

OWNER/DEVELOPER  
**HEATHERFIELD JOINT VENTURE**  
 A JOINT VENTURE BETWEEN  
 MORRIS MILL INC. & HEATHERFIELD INC.  
 10715 CHARTER DRIVE  
 COLUMBIA, MARYLAND 21044  
 (301) 750-4640 (MR. GERALD J. RYAN)

ADDRESS CHART  
 LOT NO. STREET ADDRESS

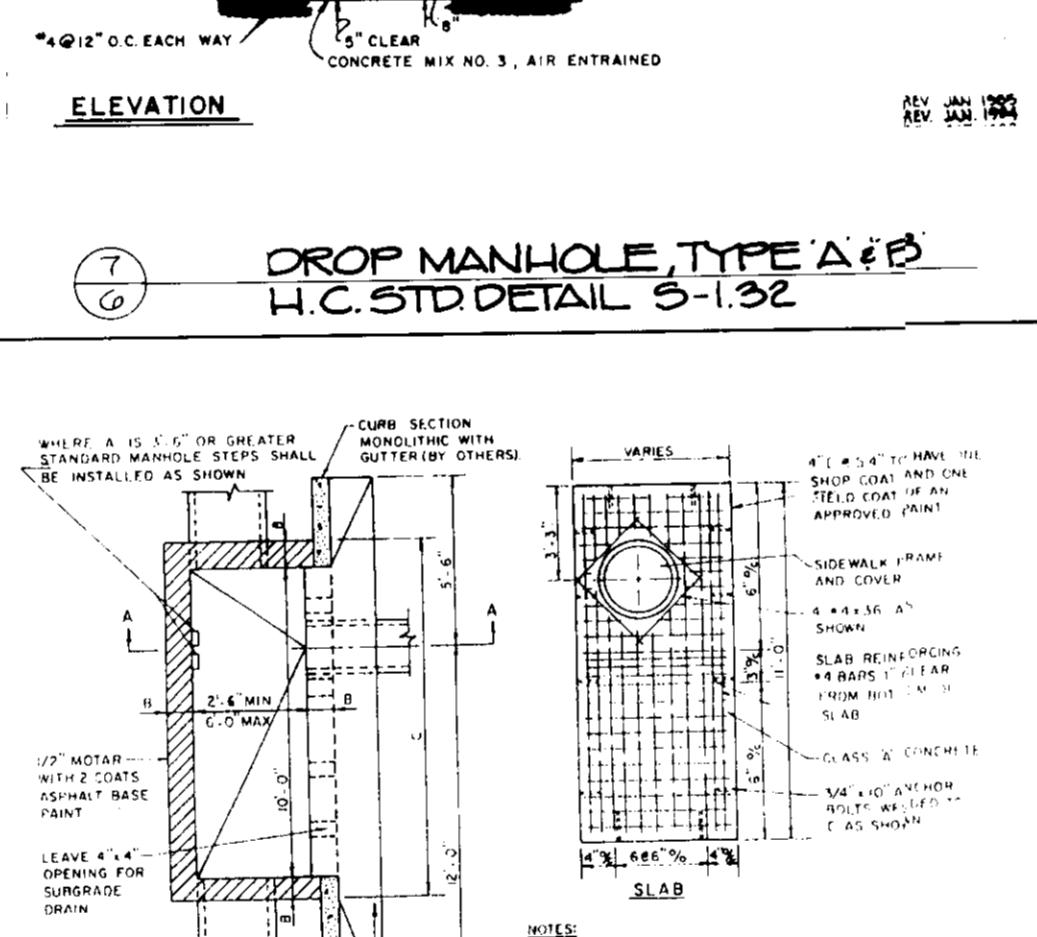
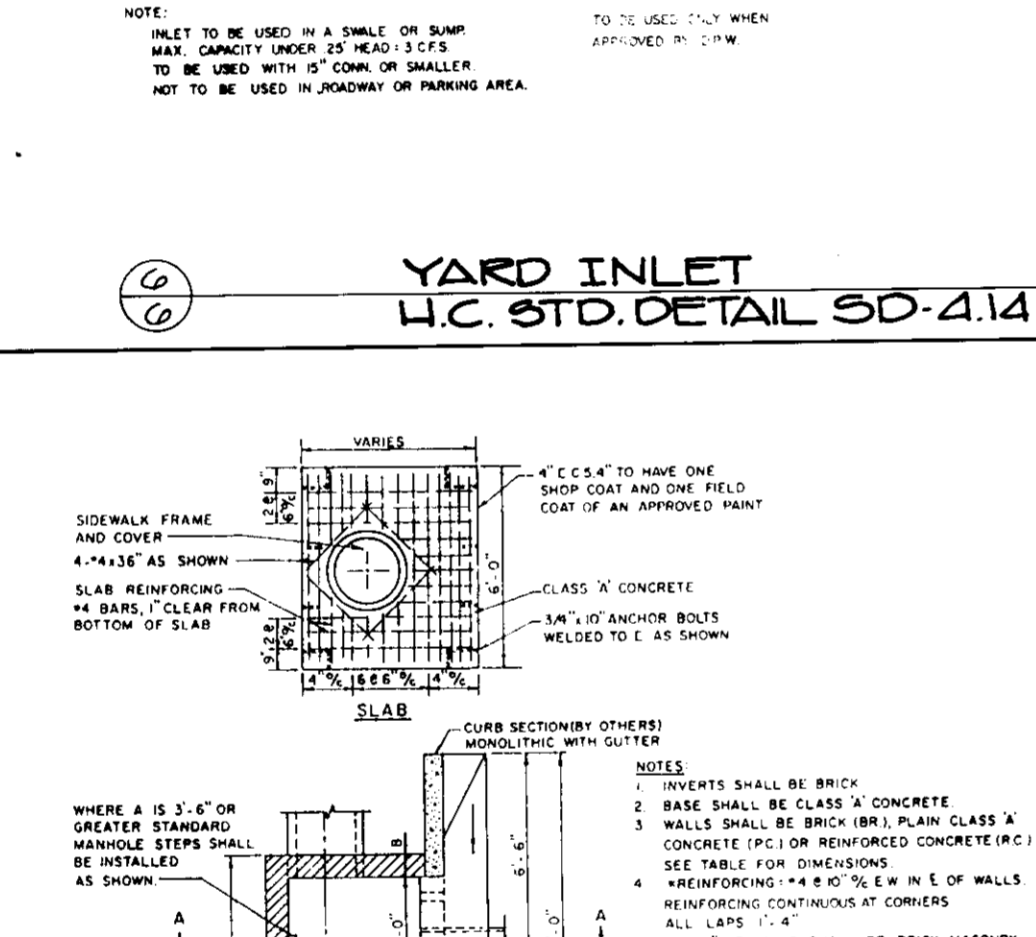
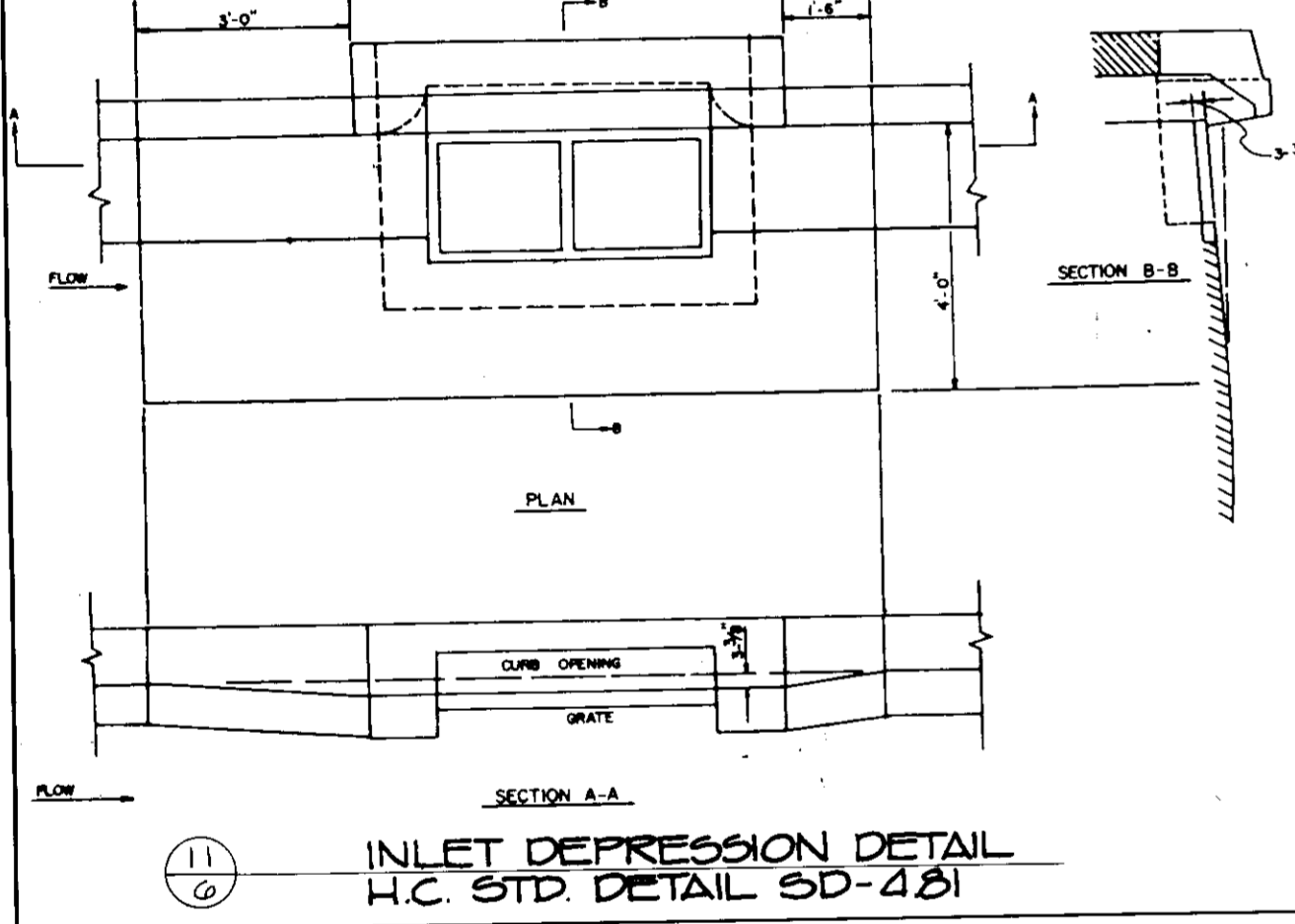
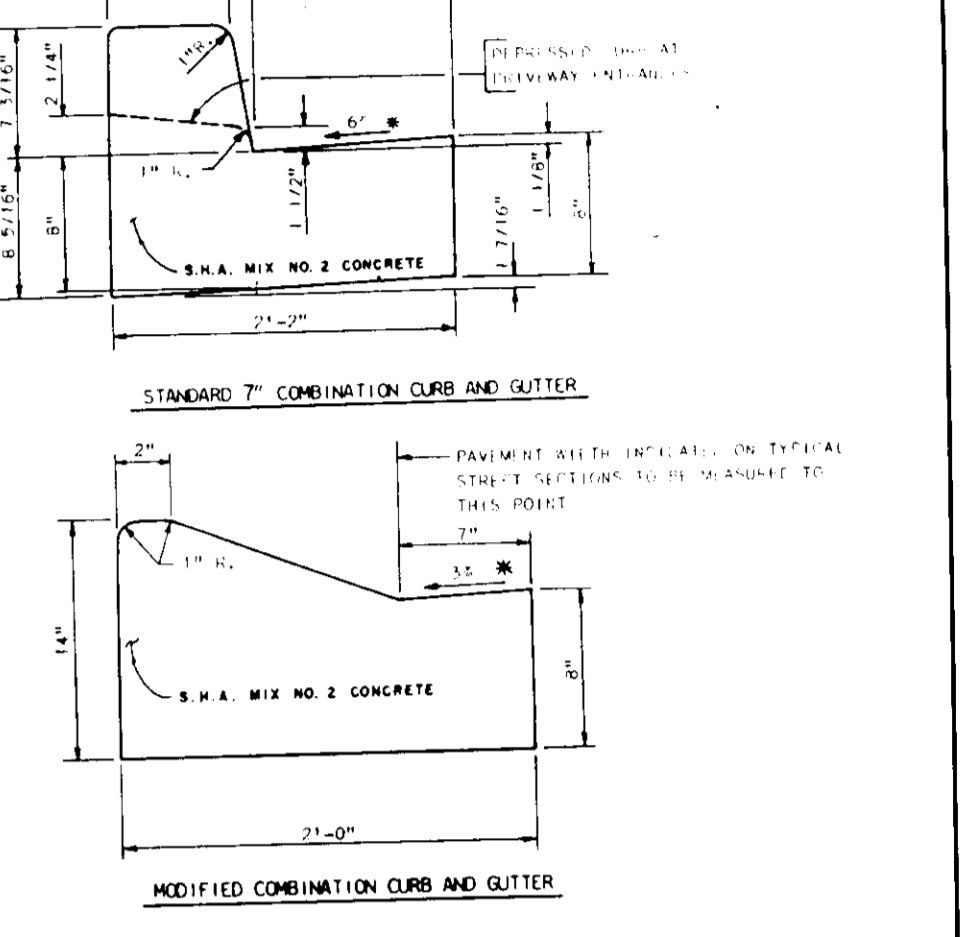
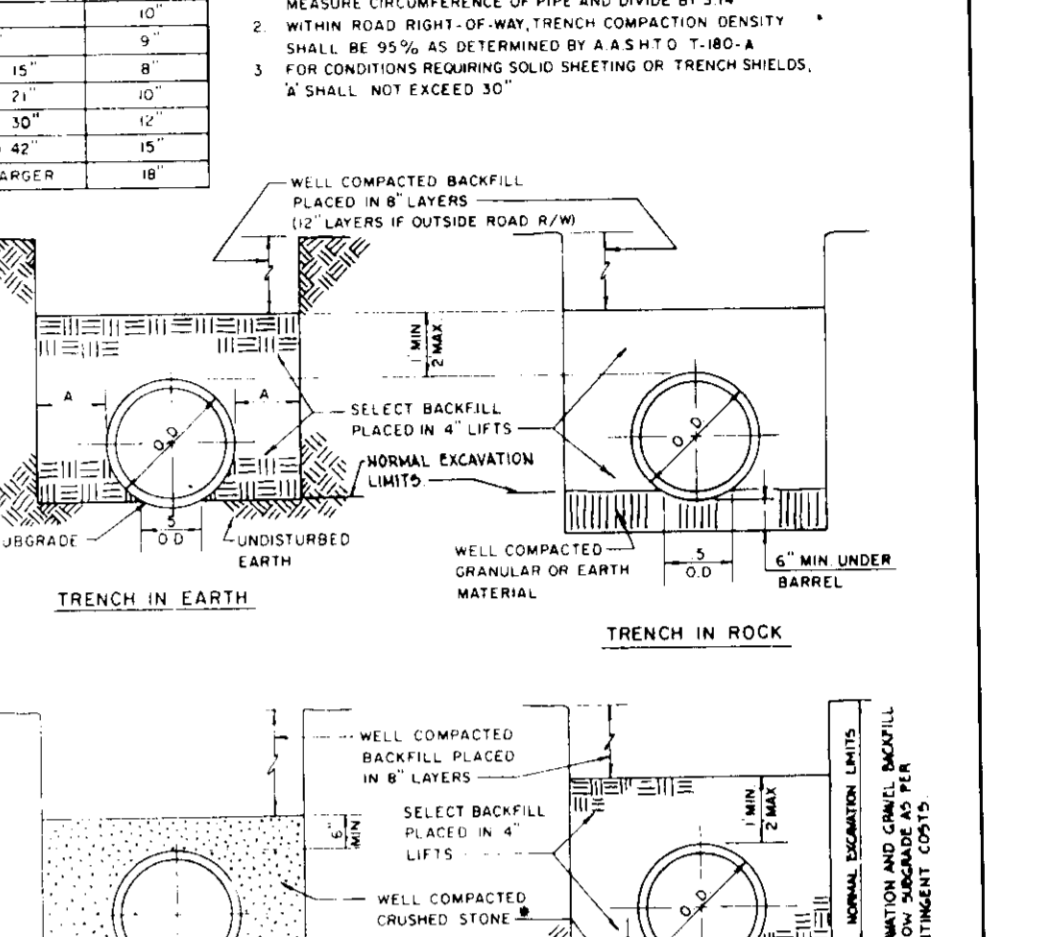
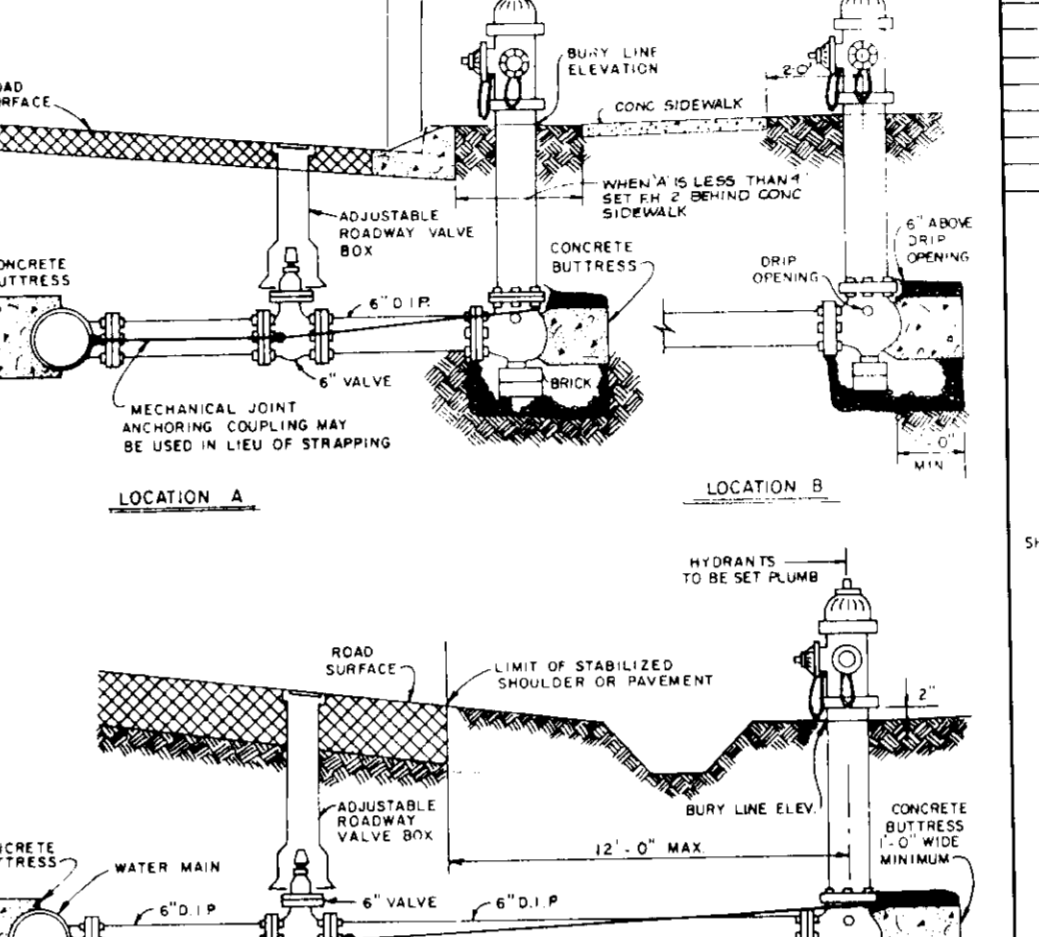
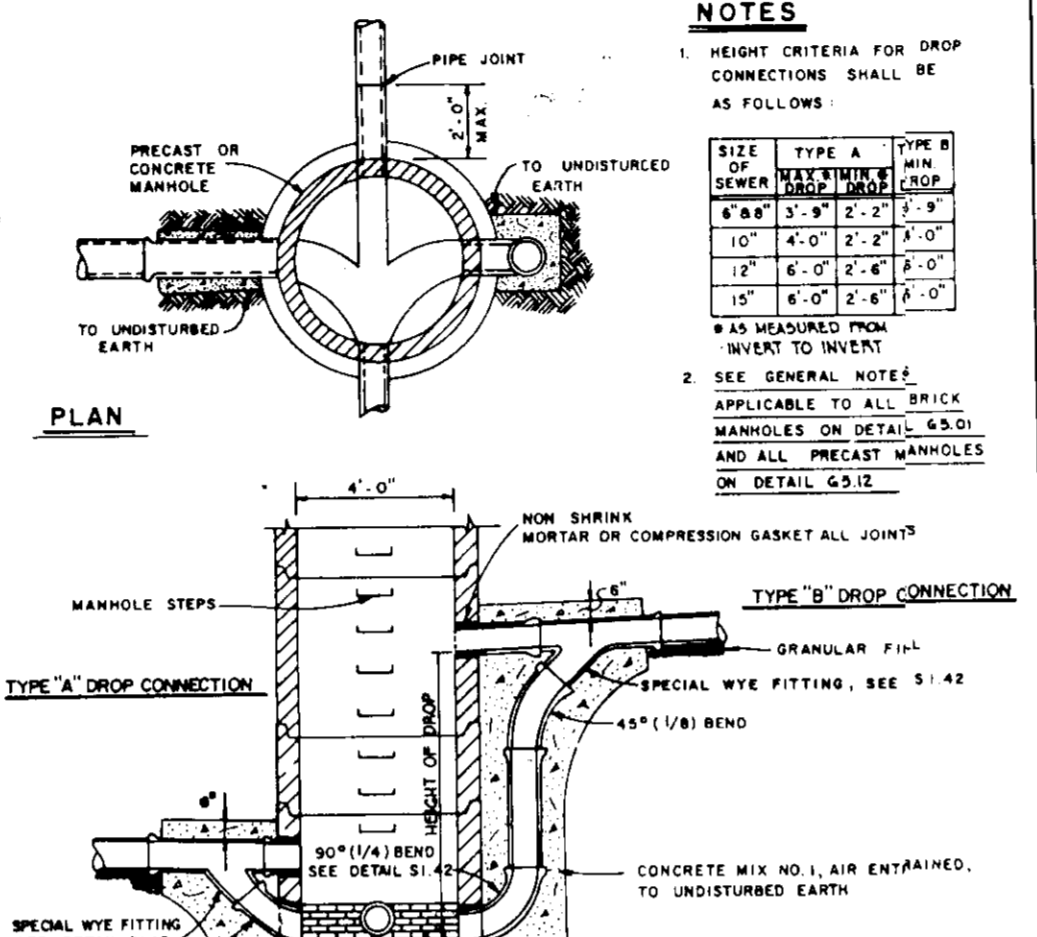
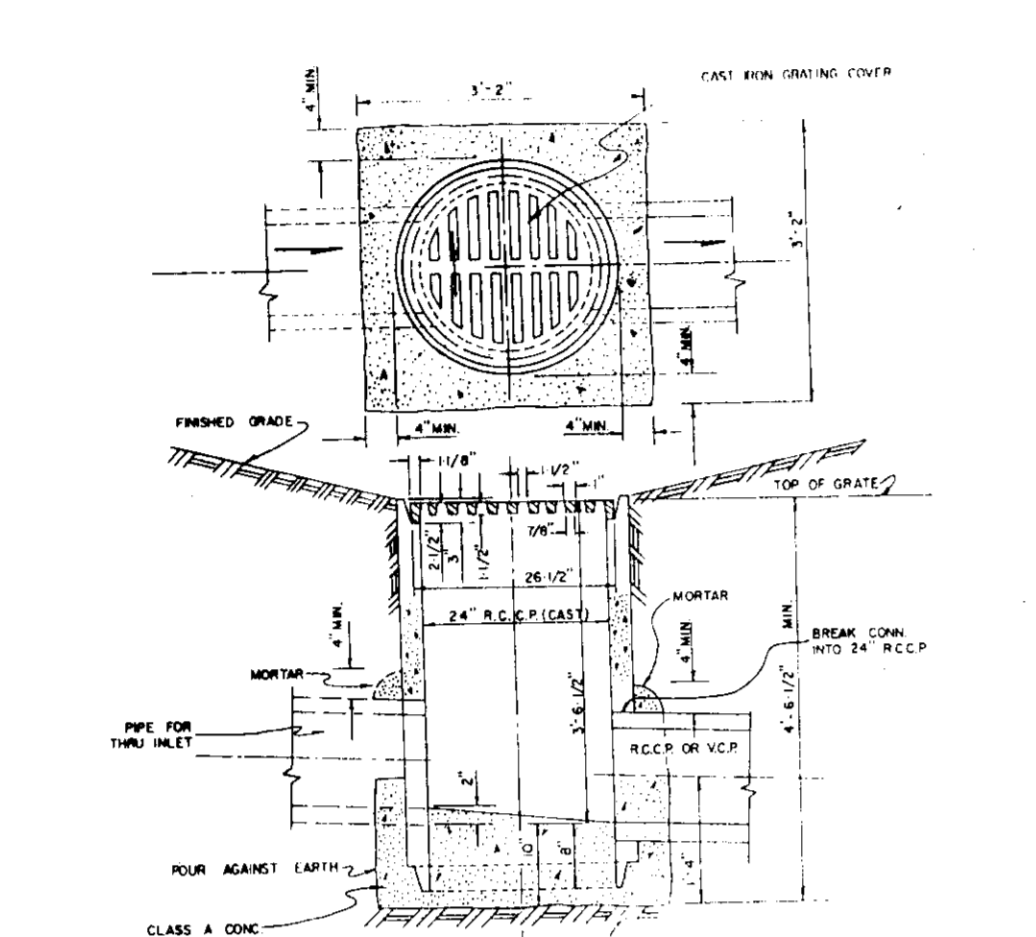
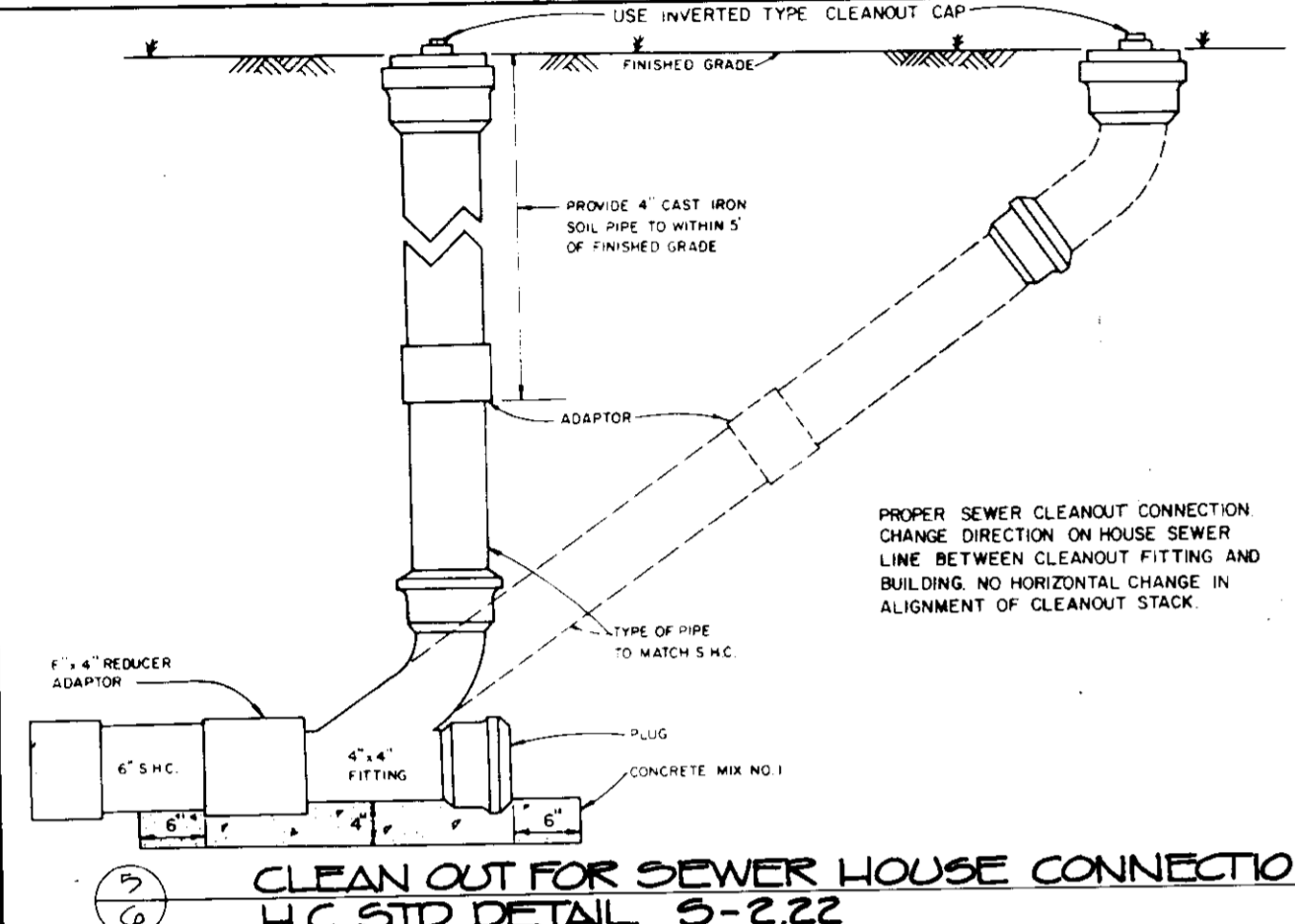
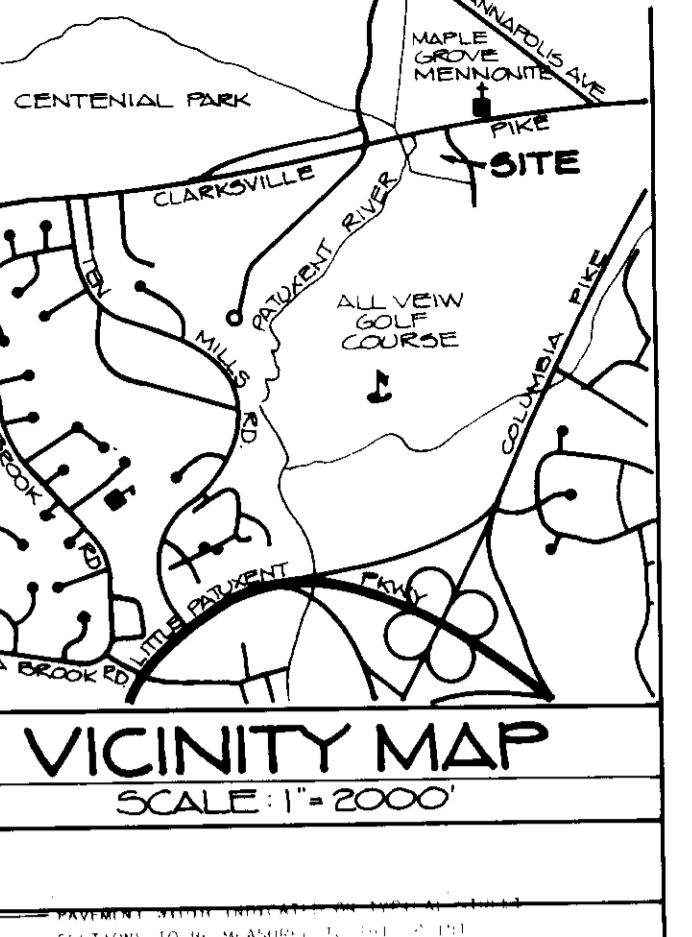
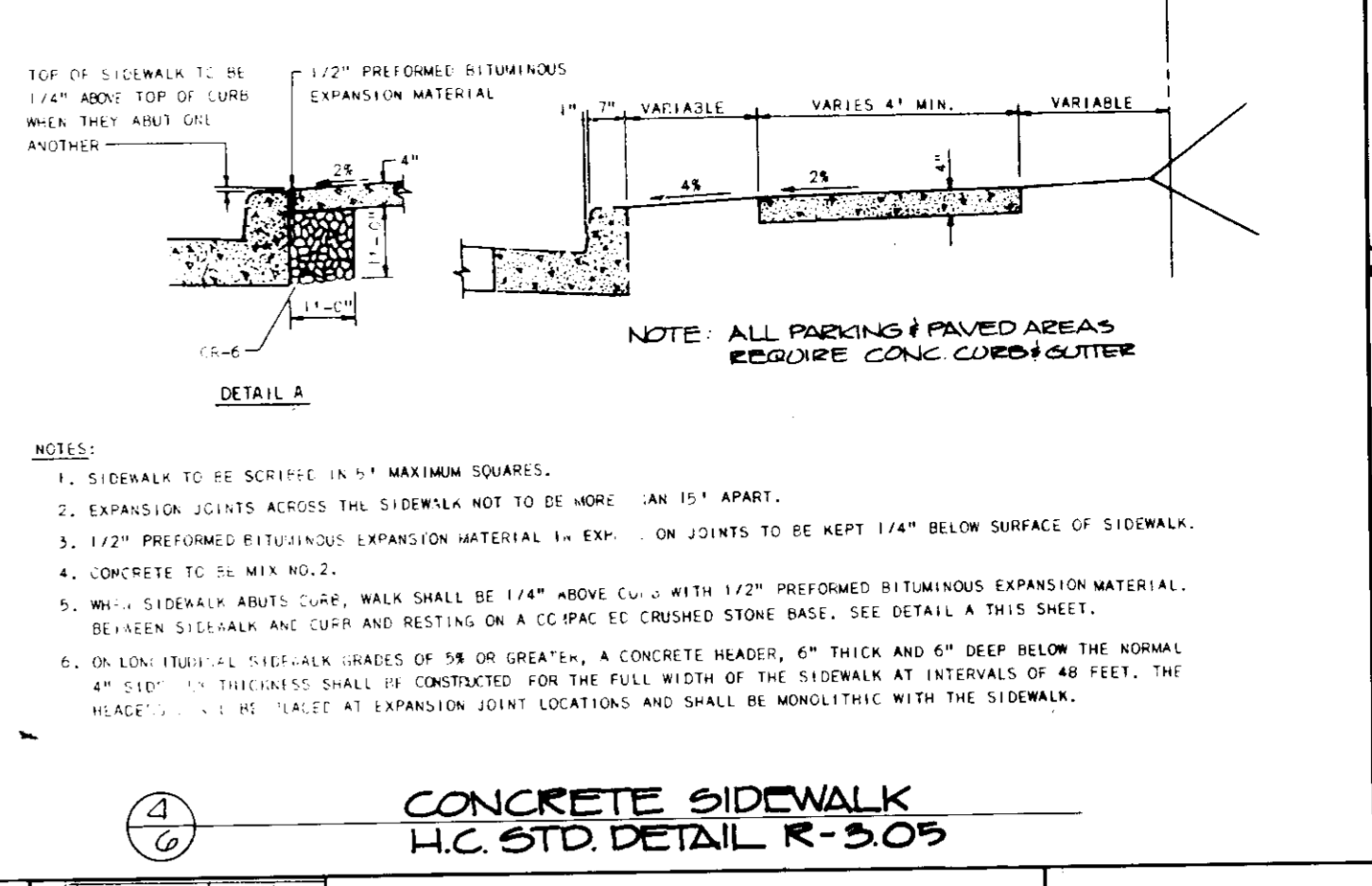
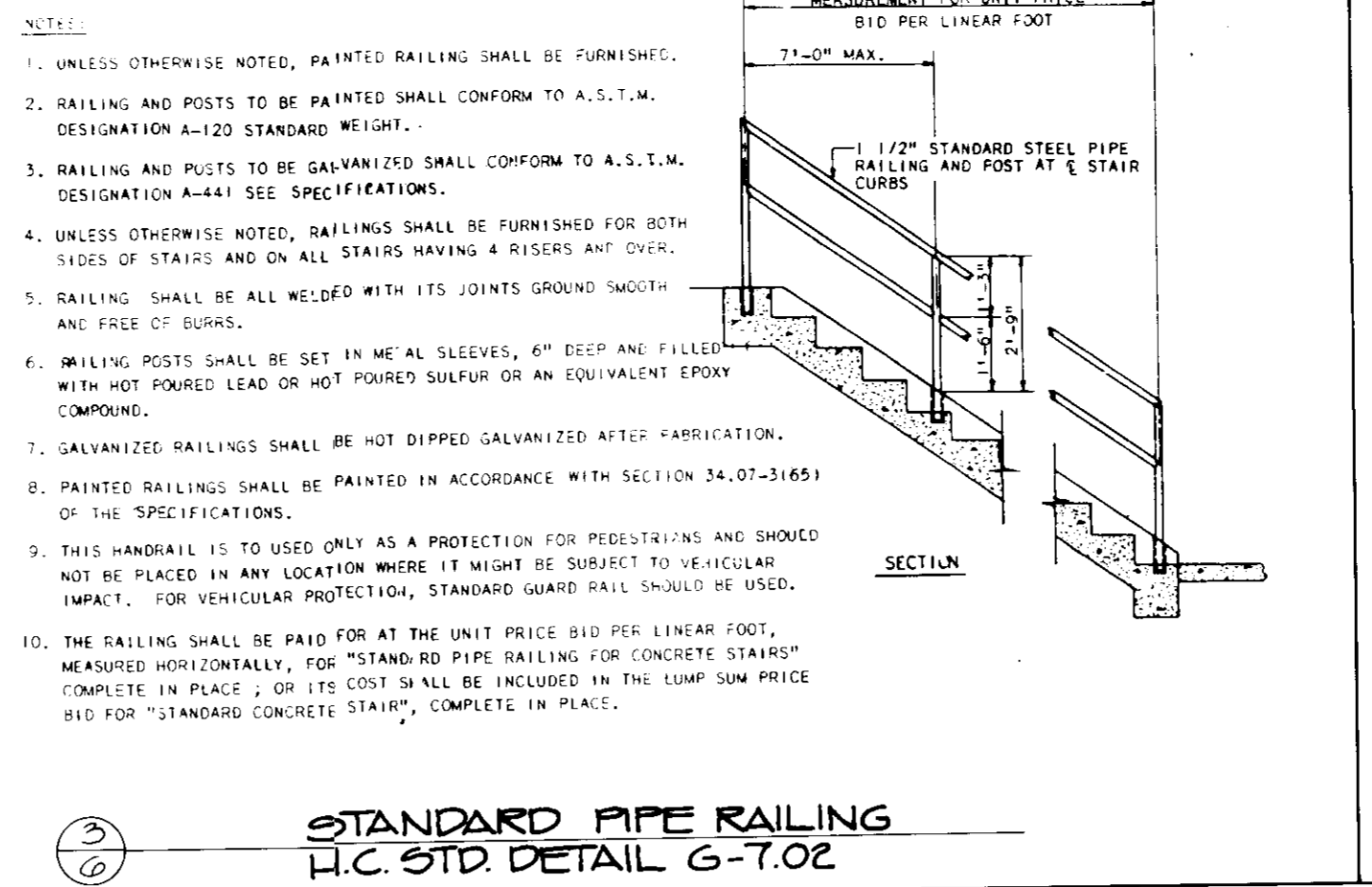
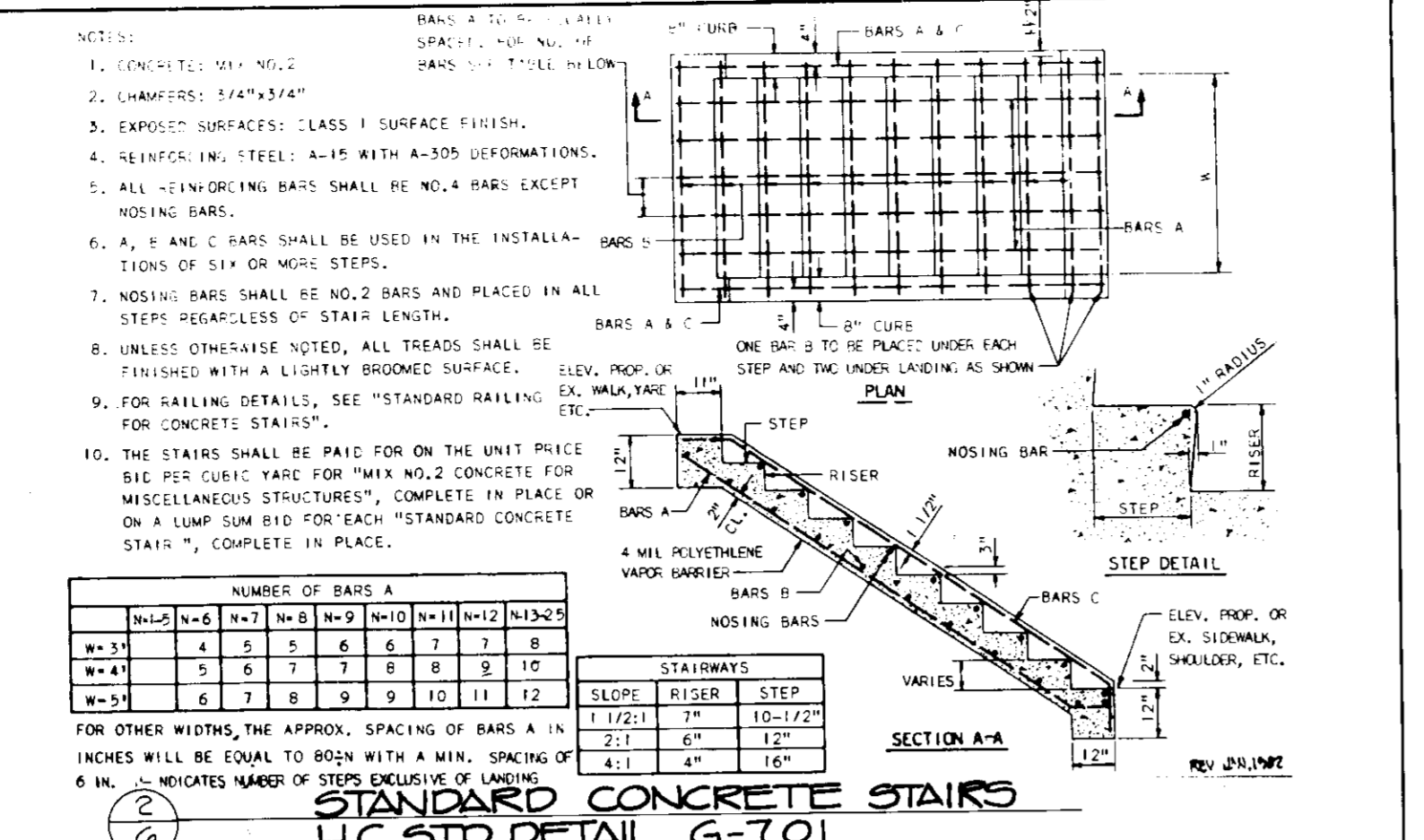
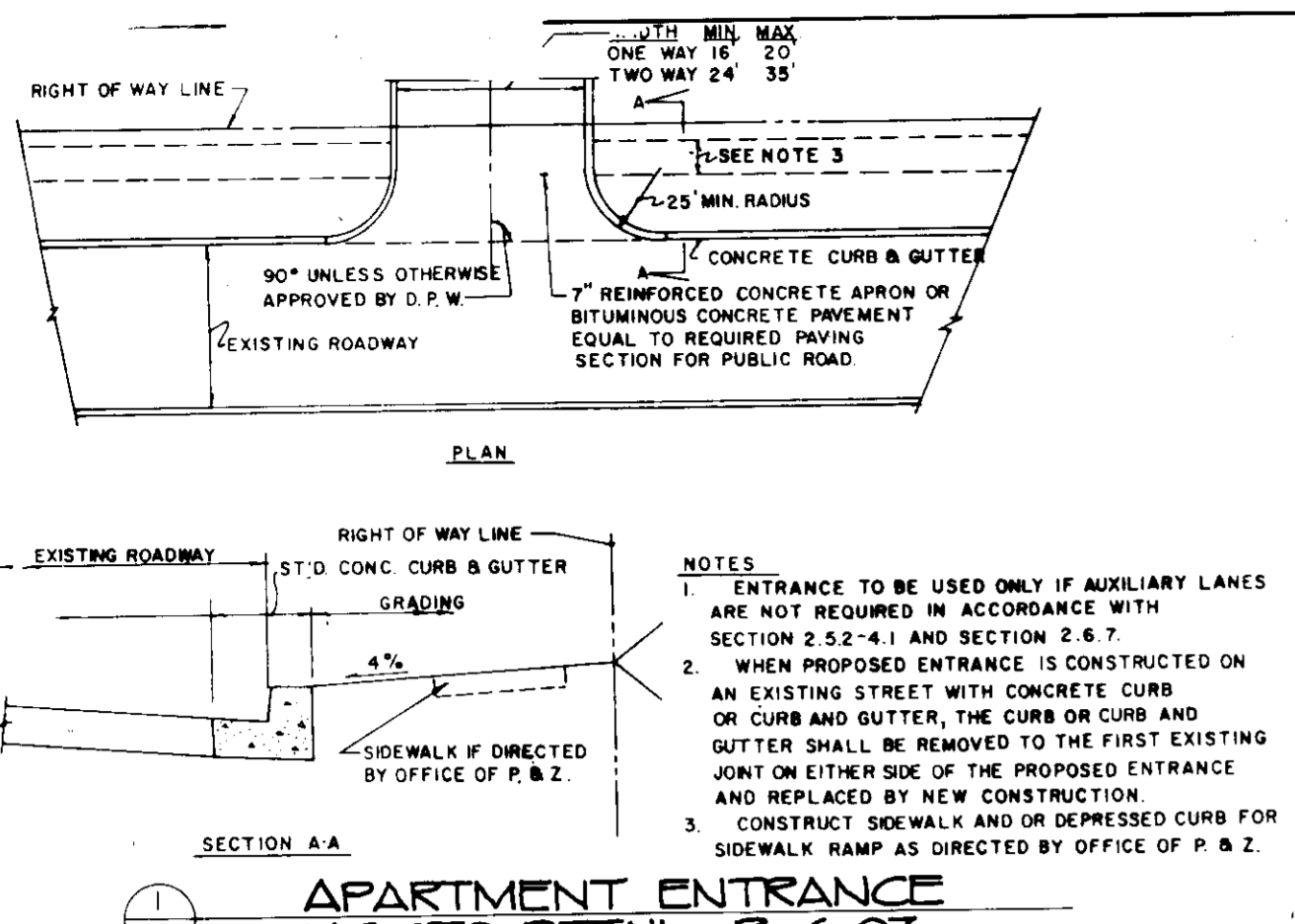
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**V.D.S.**  
 PLAT NO. 6535  
 BLOCK 9  
 ZONE N.T. APT.  
 WATER CODE E01  
 SHEET AREA 3/1  
 LOT/PARCEL 6  
 TAX MAP 30  
 EASE DIST. 5 TH. 6092.02  
 SEWER CODE 3700000

LANDSCAPE PLAN  
**PARCEL 'G'**  
**VILLAGE OF DOROT'S SEARCH**  
**SECTION 3, AREA 1**  
**PLAT NO. 6535**  
 5TH ELECTION DISTRICT HOWARD COUNTY MD  
 SCALE 1" = 30'

SHEET NUMBER  
**5** OF 5  
 TWH - KLT

APPROVED  
 7-22-87  
*...*

SDP 87-225 c



REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
*James M. Helm* 10/8/87  
U.S. SOIL CONSERVATION SERVICE DATE  
THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
APPROVED: *[Signature]* DATE 10-8-87  
DISTRICT HOWARD SOIL CONSERVATION DISTRICT

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
*James M. Boyd* 10/11/87  
COUNTY HEALTH INSPECTOR DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING/ZONING  
*[Signature]* 10-21-87  
DIRECTOR DATE  
*[Signature]* 10-21-87  
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*James G. Helm* 10/16/87  
DIRECTOR DATE  
*[Signature]* 10-16-87  
CHIEF BUREAU OF ENGINEERING DATE

DATE	REVISIONS	BY

ENGINEER: **D.S. THALER & ASSOCIATES, INC.**  
11 WARREN ROAD  
BALTIMORE MARYLAND  
21208  
(301) 484-4100

OWNER/DEVELOPER: **LEATHERFIELD JOINT VENTURE**  
A JOINT VENTURE BETWEEN  
MORRIS WILL INC. & LEATHERFIELD INC.  
10715 CHARTER DRIVE  
COLUMBIA, MARYLAND 21044  
(301) 730-4240 (VP GERALD J. RYAN)

ADDRESS CHART	
LOT NO.	STREET ADDRESS

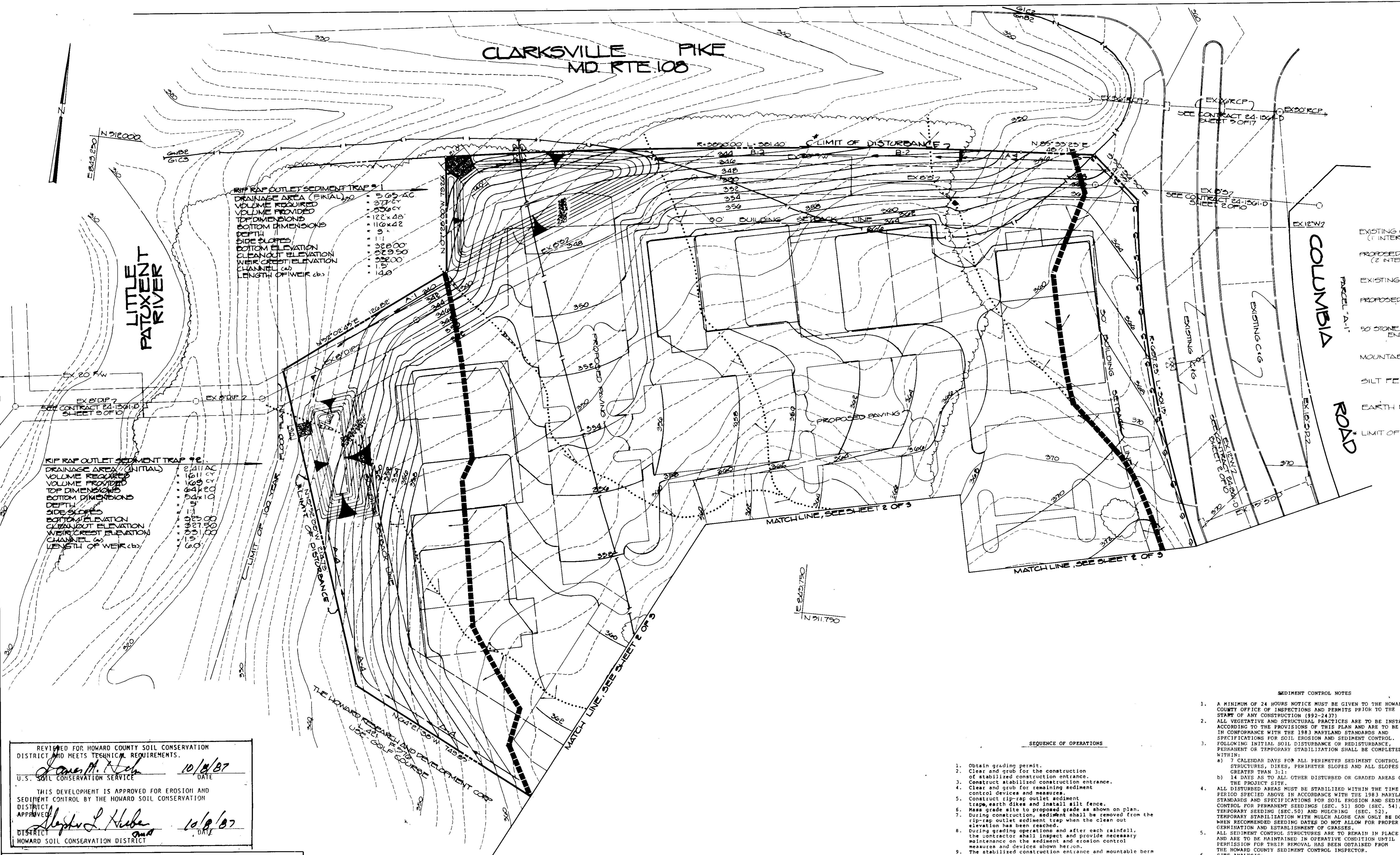
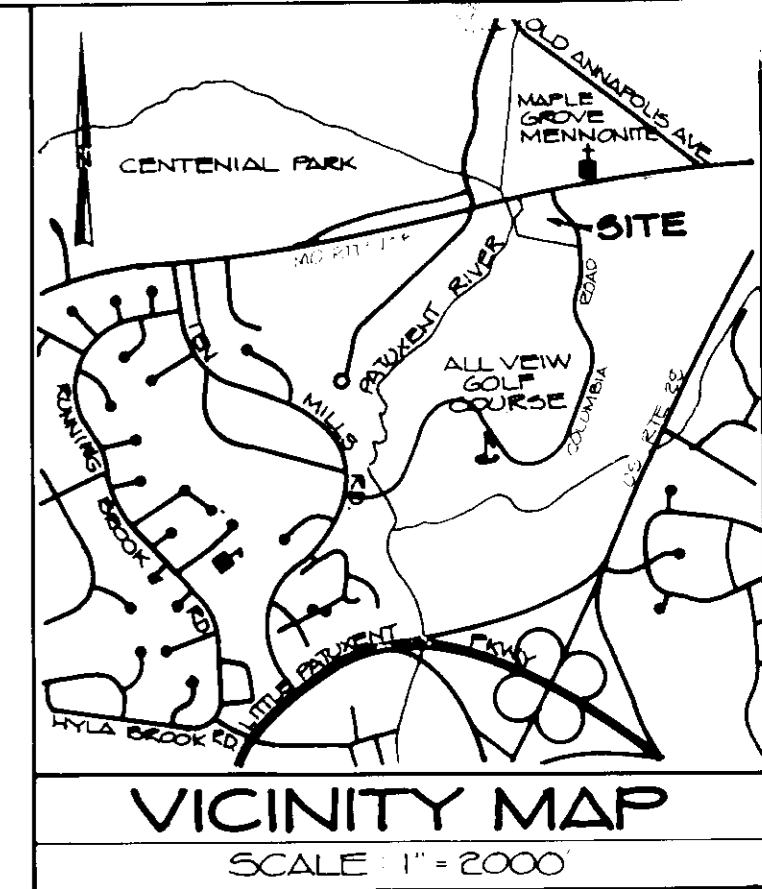
SUBDIVISION NAME		SECT./AREA		LOT/PARCEL	
VDS		3 / 1		6	
FLAT OR LOT	BLOCK	ZONE	TAX MAP	ELEC. DIST.	CENSUS TR.
6535	9	N.T. APT.	30	5TH	605202
WATER CODE		SEWER CODE			
E01		5700000			

APPROVED  
7-22-87  
*[Signature]*  
DATE

**DETAILS PARCEL "G"**  
**VILLAGE OF DORSY'S SEARCH**  
**SECTION 3, AREA 1**  
FLAT NO. 6535  
5TH ELECTION DISTRICT, HOWARD COUNTY MD  
SCALE: NOT TO SCALE DATE: 7-22-87

SHEET NUMBER: **0090**  
T.W.H. EAC

CLARKSVILLE PIKE  
MD. RTE. 108



**RIP RAP OUTLET SEDIMENT TRAP #1**  
 DRAINAGE AREA (FINAL) 5.65 AC  
 VOLUME REQUIRED 378 CY  
 VOLUME PROVIDED 350 CY  
 TOP DIMENSIONS 122' x 48'  
 BOTTOM DIMENSIONS 110' x 42'  
 DEPTH 9'  
 SIDE SLOPES 1:1  
 BOTTOM ELEVATION 328.00'  
 CLEANOUT ELEVATION 329.50'  
 WEIR CREST ELEVATION 332.00'  
 CHANNEL (CB) 1:15  
 LENGTH OF WEIR (CB) 148'

**RIP RAP OUTLET SEDIMENT TRAP #2**  
 DRAINAGE AREA (INITIAL) 27.11 AC  
 VOLUME REQUIRED 1611 CY  
 VOLUME PROVIDED 1600 CY  
 TOP DIMENSIONS 64' x 20.0'  
 BOTTOM DIMENSIONS 54' x 10.0'  
 DEPTH 5'  
 SIDE SLOPES 1:1  
 BOTTOM ELEVATION 325.00'  
 CLEANOUT ELEVATION 327.50'  
 WEIR CREST ELEVATION 331.00'  
 CHANNEL (CB) 1:15  
 LENGTH OF WEIR (CB) 160'

- EXISTING CONTOURS (1 INTERVAL)** --- 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

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
 James M. Adams 10/18/87  
 U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 Stephen L. Heber 10/18/87  
 DISTRICT HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
 James M. Adams 10/18/87  
 COUNTY HEALTH INSPECTOR DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 [Signature] 10/22/87  
 DIRECTOR DATE

[Signature] 10/21/87  
 CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 James M. Adams 10/16/87  
 DIRECTOR DATE

[Signature] 10/15/87  
 CHIEF BUREAU OF ENGINEERING DATE

**ENGINEERS 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] 4/7/87  
 SIGNATURE OF ENGINEER DATE

**DEVELOPERS CERTIFICATE**  
 I HAVE CERTIFIED 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 ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS DEEMED NECESSARY.

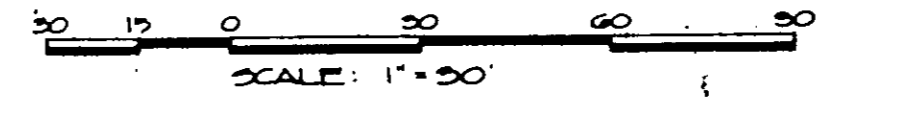
[Signature] 10/27  
 SIGNATURE OF DEVELOPER DATE

**ENGINEER**  
 D.S. THALER & ASSOCIATES, INC.  
 11 WARREN ROAD  
 BALTIMORE, MARYLAND 21208  
 (301) 484-2100

**OWNER/DEVELOPER**  
 HEATHERFIELD JOINT VENTURE  
 A JOINT VENTURE BETWEEN MORRIS MILL, INC. & HEATHERFIELD, INC.  
 10715 CHARTER DRIVE  
 COLUMBIA, MARYLAND 21044  
 (301) 730-4240 (MR. GERALD J. RYAN)

- SEQUENCE OF OPERATIONS**
- Obtain grading permit.
  - Clear and grub for the construction of stabilized construction entrance.
  - Construct stabilized construction entrance.
  - Clear and grub for remaining sediment control devices and measures.
  - Construct rip-rap outlet sediment traps, earth dikes and install silt fence.
  - Mass grade site to proposed grade as shown on plan.
  - During construction, sediment shall be removed from the rip-rap outlet sediment trap when the clean out elevation has been reached.
  - During grading operations and after each rainfall, the contractor shall inspect and provide necessary maintenance on the sediment and erosion control measures and devices shown hereon.
  - The stabilized construction entrance and mountable berm shall be restored and left in place for future construction at the completion of grading operations.
  - Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be accepted within:
    - 7 calendar days for all perimeter sediment control structures, dikes, awales, ditch perimeter slopes and all slopes greater than 3 (H) to 1 (V).
    - 14 days for all other disturbed or graded areas on the project site.
  - All excess cut shall be taken to a spoil site with an approved sediment and erosion control plan.

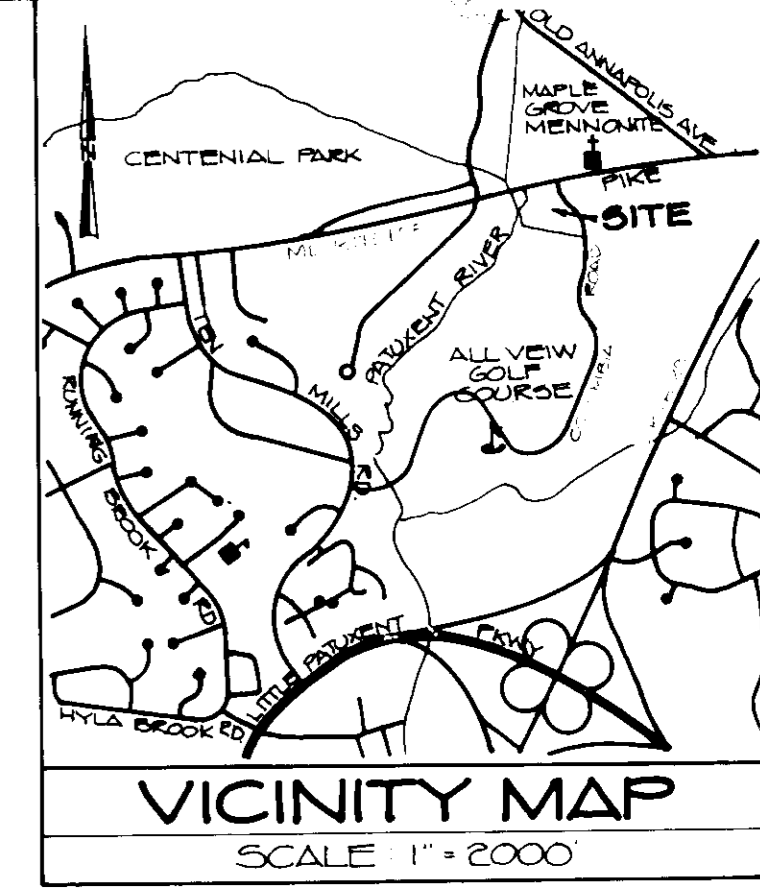
- SEDIMENT CONTROL NOTES**
- A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (1982-2437).
  - ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTRIBUTION, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:
    - 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1;
    - 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
  - 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) SOD (SEC. 54), TEMPORARY SEEDING (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: 11.1 ACRES
    - AREA DISTURBED: 11.1 ACRES
    - AREA TO BE ROOVED OR PAVED: 11.1 ACRES
    - AREA TO BE VEGETATIVELY STABILIZED: 11.1 ACRES
    - TOTAL CUT: 20,000 CU. YDS.
    - TOTAL FILL: 20,000 CU. YDS.
    - OFFSITE WASTE/BORROW AREA LOCATION: N/A
  - ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
  - ADDITIONAL EQUIPMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY DPW SEDIMENT CONTROL INSPECTOR.



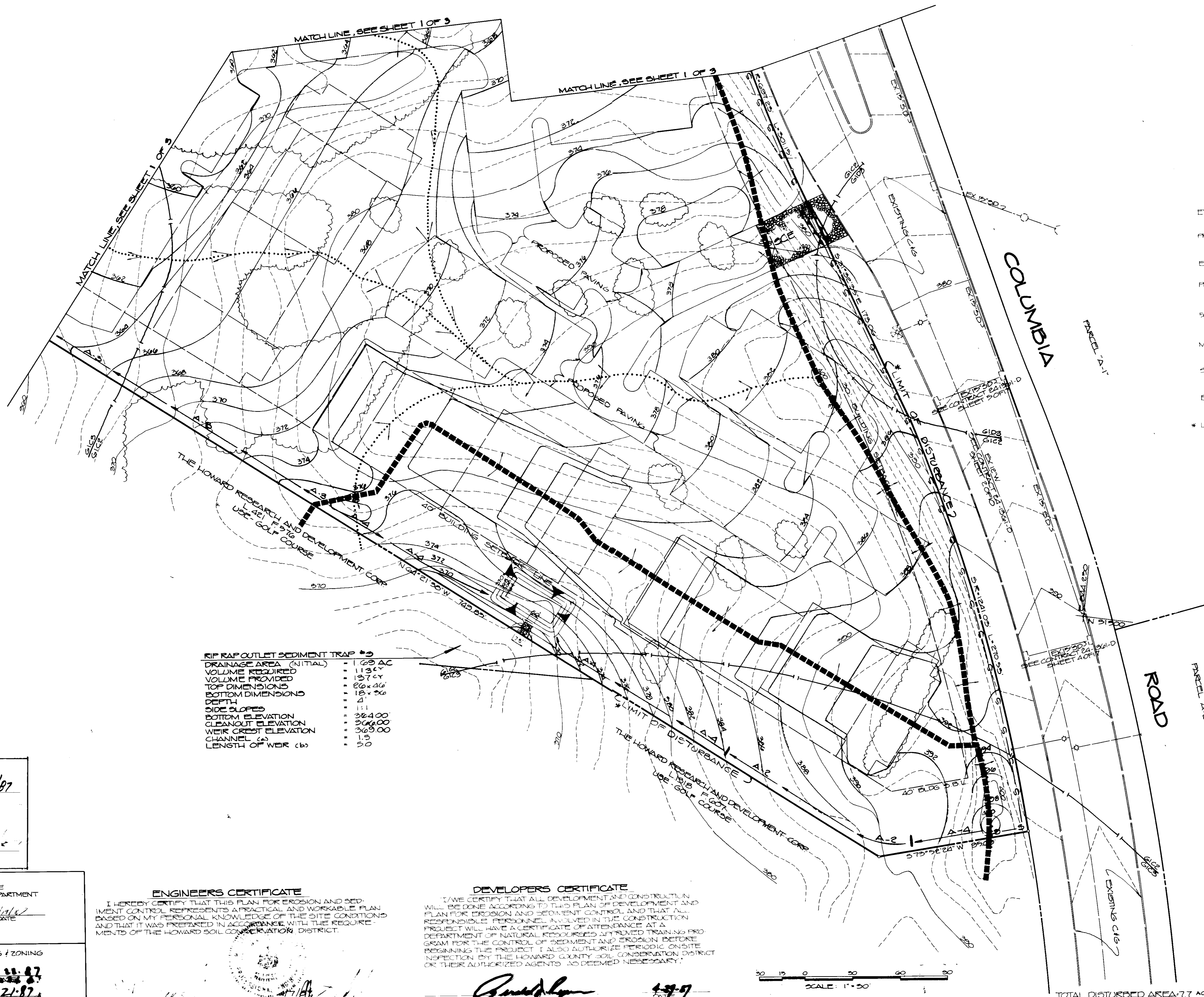
TOTAL DISTURBED AREA = 7.7 AC  
 8-26-87

**MASS GRADING & SEDIMENT CONTROL PLAN**  
**PARCEL "G"**  
 VILLAGE OF DORSEY'S SEARCH  
 SECTION 3, AREA 1  
 FLAT NO. 6939  
 5TH ELECTION DISTRICT, HOWARD COUNTY MD.  
 SCALE: 1" = 30'

SHEET NUMBER  
 7 OF 8  
 T.M.H. R.A.C.



- EXISTING CONTOURS (1 INTERVAL)
- PROPOSED CONTOURS (2 INTERVAL)
- EXISTING DRAINAGE AREA
- PROPOSED DRAINAGE AREA
- 50 STONE CONSTRUCTION ENTRANCE
- MOUNTABLE BERM
- SILT FENCE
- EARTH DIKE
- \* LIMIT OF DISTURBANCE (ALONG PROPERTY LINE)



**RIP RAP OUTLET SEDIMENT TRAP #3**

DRAINAGE AREA (INITIAL)	1.69 AC
VOLUME REQUIRED	119 CY
VOLUME PROVIDED	157 CY
TOP DIMENSIONS	80 x 46
BOTTOM DIMENSIONS	18 x 26
DEPTH	4'
SIDE SLOPES	1:1
BOTTOM ELEVATION	364.00'
CLEANOUT ELEVATION	366.00'
WEIR CREST ELEVATION	369.00'
CHANNEL (a)	1.5'
LENGTH OF WEIR (b)	5.0'

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

*[Signature]* 10/8/87  
U.S. SOIL CONSERVATION SERVICE DATE

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

APPROVED: *[Signature]* 10-21-87  
DISTRICT HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

*[Signature]* 10/16/87  
COUNTY HEALTH INSPECTOR DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING

*[Signature]* 10-21-87  
DIRECTOR DATE

*[Signature]* 10-21-87  
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

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

*[Signature]* 10/16/87  
DIRECTOR DATE

*[Signature]* 10-15-87  
CHIEF BUREAU OF ENGINEERING DATE

**ENGINEERS 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 COUNTY SOIL CONSERVATION DISTRICT.

*[Signature]* 10/16/87  
SIGNATURE OF ENGINEER DATE

**DEVELOPERS CERTIFICATE**

I HAVE CERTIFIED 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 ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS DEEMED NECESSARY.

*[Signature]* 10-27  
SIGNATURE OF DEVELOPER DATE

ENGINEER: **D.S. THALER & ASSOCIATES, INC.**  
11 WARREN ROAD  
BALTIMORE MARYLAND 21205  
(301) 484-2100

OWNER / DEVELOPER: **HEATHERFIELD JOINT VENTURE**  
A JOINT VENTURE BETWEEN  
MORRIS MILL, INC. & HEATHERFIELD, INC.  
10715 CHARTER DRIVE  
COLUMBIA, MARYLAND 21044  
(301) 730-4240 (MR. GERALD J. RYAN)

SUBDIVISION NAME		SECT / AREA	LOT / PARCEL
V.D.S.		3/1	G
PLAT OR L.P.	D.B.L.O.C.	ZONE	TAX MAP
6535	3	N.T. APT.	30
WATER CODE		ELEC DIST	GENBUSE
E01		5TH	005202
		SEWER CODE	
		5700000	

TOTAL DISTURBED AREA: 7.7 AC 8-26-87

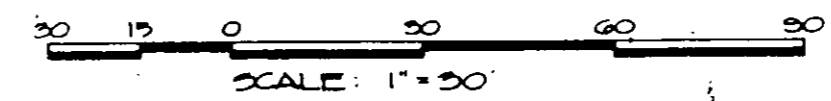
**APPENDIX**

7-22-87

*[Signature]*

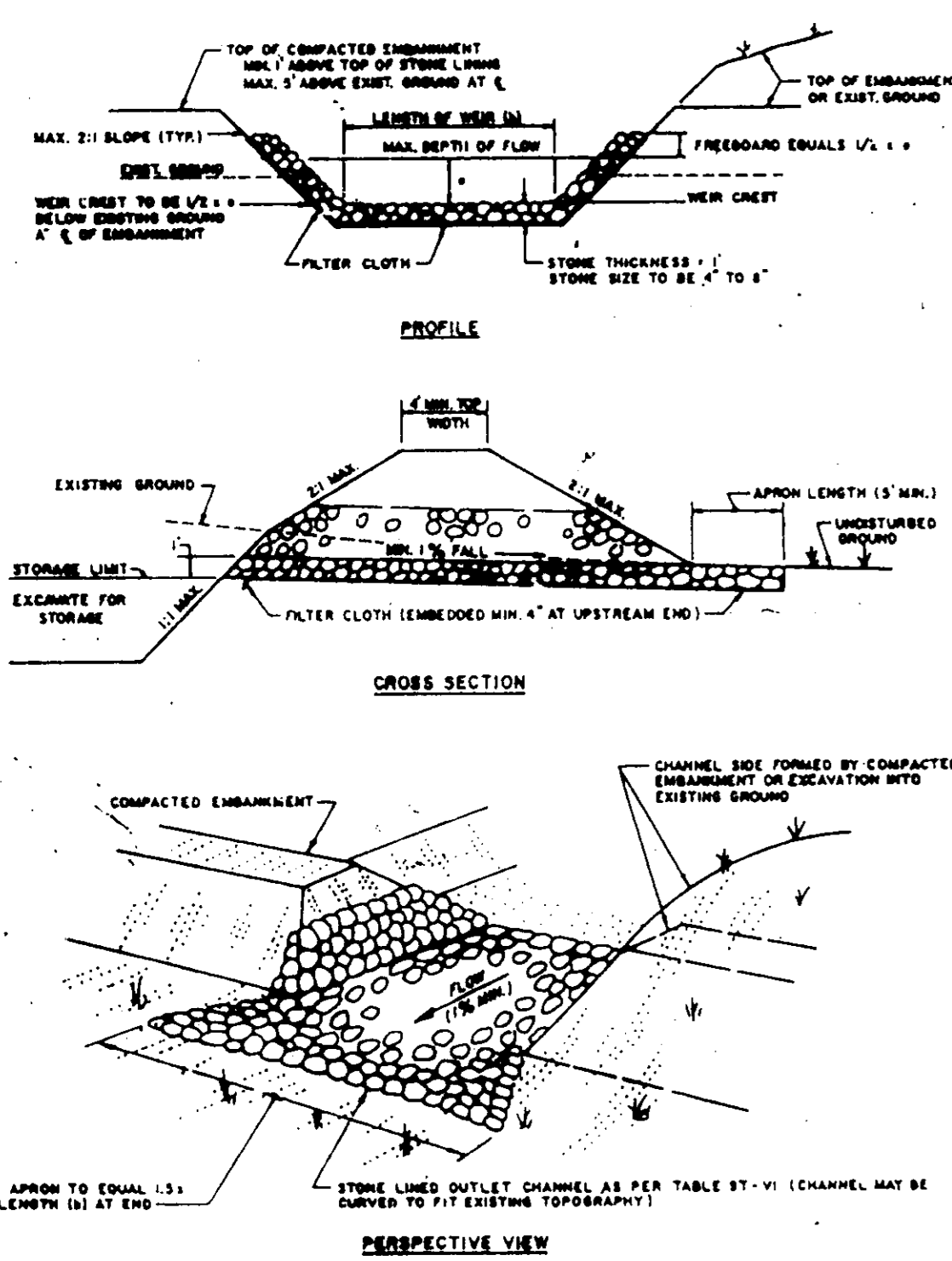
MASS GRADING & SEDIMENT CONTROL PLAN  
**PARCEL 'G'**  
VILLAGE OF DORSEY'S SEARCH  
SECTION 3, AREA 1  
PLAT NO. 6535  
5TH ELECTION DISTRICT, HOWARD COUNTY MD  
SCALE 1" = 30' DATE: APRIL 7, 1987

SHEET NUMBER: 8 OF 8  
T.W.H. RAC





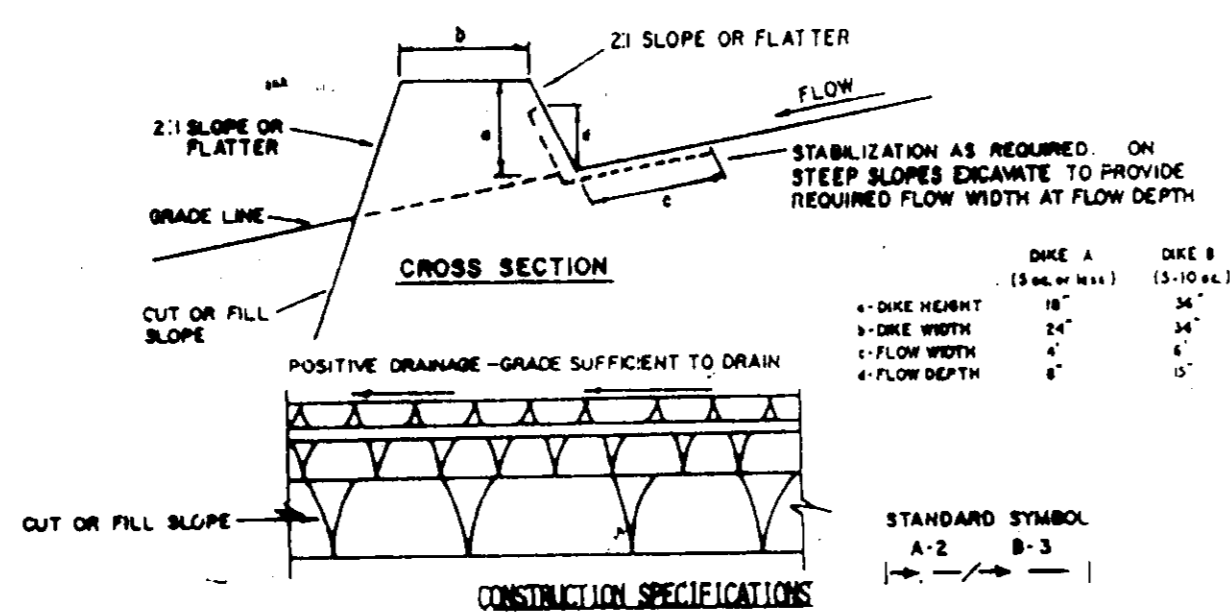
**RIPRAP OUTLET SEDIMENT TRAP ST-VI**



**CONSTRUCTION SPECIFICATIONS FOR ST-VI**

- The area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
- The fill material for the embankment shall be free of roots or other woody vegetation as well as over-sized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed. Maximum height of embankment shall be five (5) feet, measured at centerline of embankment.
- All fill slopes shall be 2:1 or flatter; cut slopes 1:1 or flatter.
- Elevation of the top of any dike directing water into trap must equal or exceed the height of embankment.
- Storage area provided shall be figured by computing the volume available behind the outlet channel up to an elevation of one (1) foot below the level weir crest.
- Filter cloth shall be placed over the bottom and sides of the outlet channel prior to placement of stone. Sections of fabric must overlap at least one (1) foot with section nearest the entrance placed on top. Fabric shall be embedded at least six (6) inches into existing ground at entrance of outlet channel.
- Stone used in the outlet channel shall be four (4) to eight (8) inches (riprap). To provide a filtering effect, a layer of filter cloth shall be embedded one (1) foot back into the upstream face of the outlet stone or a one (1) foot thick layer of two (2) inch or finer aggregate shall be placed on the upstream face of the outlet.
- Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
- The structure shall be inspected after each rain and repaired as needed.
- Construction operations shall be carried out in such a manner that erosion and water pollution are minimized.
- The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.
- Drainage area for this practice is limited to 15 acres or less.

**EARTH DIKE**  
NOT TO SCALE



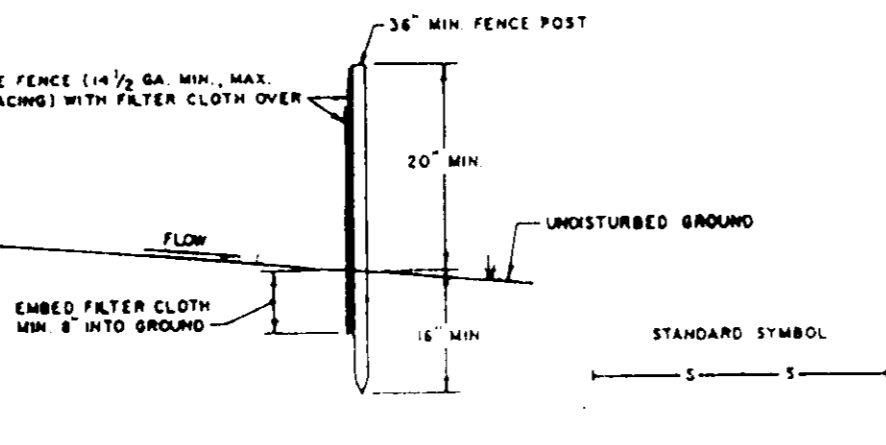
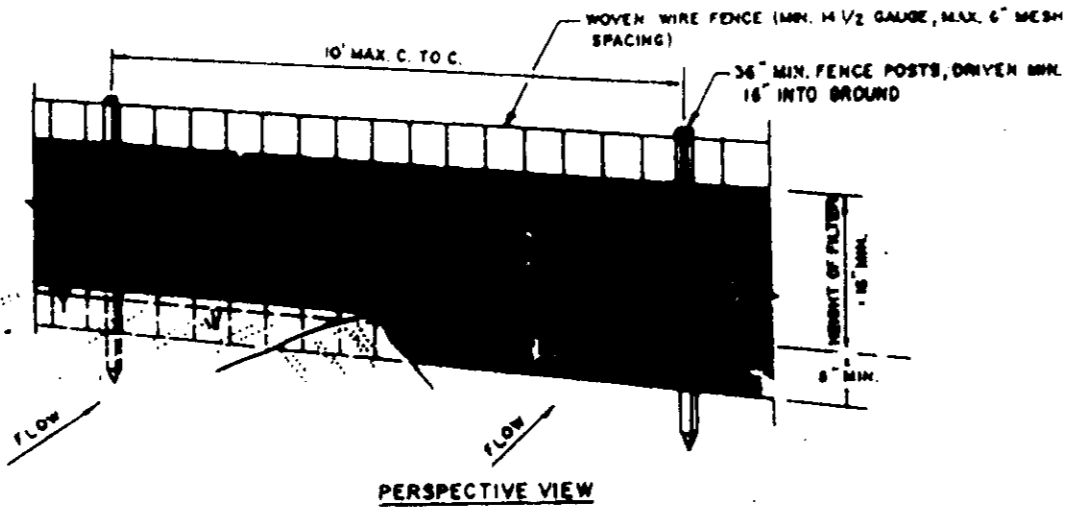
- All dikes shall be compacted by earth-moving equipment.
- All dikes shall have positive drainage to an outlet.
- Top width may be wider and side slopes may be flatter if desired to facilitate crossing by construction traffic.
- Field location should be adjusted as needed to utilize a stabilized safe outlet.
- Earth dikes shall have an outlet that functions with a minimum of erosion. Runoff shall be conveyed to a sediment trapping device such as a sediment trap or sediment basin where either the dike channel or the drainage area above the dike are not immediately stabilized.
- Stabilization shall be: (A) in accordance with standard specifications for seed and straw mulch or straw mulch if not in seeding season, (B) flow channel as per the chart below.

**FLOW CHANNEL STABILIZATION**

TYPE OF TREATMENT	CHANNEL	DIKE A	DIKE B
1	5-3.0%	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1-5.0%	SEED AND STRAW MULCH	SEED USING JUTE, OR EXCELSSION SOD, OR STONE
3	5.1-8.0%	SEED WITH JUTE, OR SOD, OR STONE	LINED RIP-RAP 4-8"
4	8.1-20%	LINED RIP-RAP 4-8"	ENGINEERING DESIGN

- STONE TO BE 2 INCH STONE, OR RECYCLED CONCRETE EQUIVALENT, IN A LAYER AT LEAST 3 INCHES IN THICKNESS AND BE PRESSED INTO THE SOIL WITH CONSTRUCTION EQUIPMENT.
- RIP-RAP TO BE 4-8 INCHES IN A LAYER AT LEAST 3 INCHES THICKNESS AND PRESSED INTO THE SOIL.
- APPROVED EQUIVALENTS CAN BE SUBSTITUTED FOR ANY OF THE ABOVE MATERIALS. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

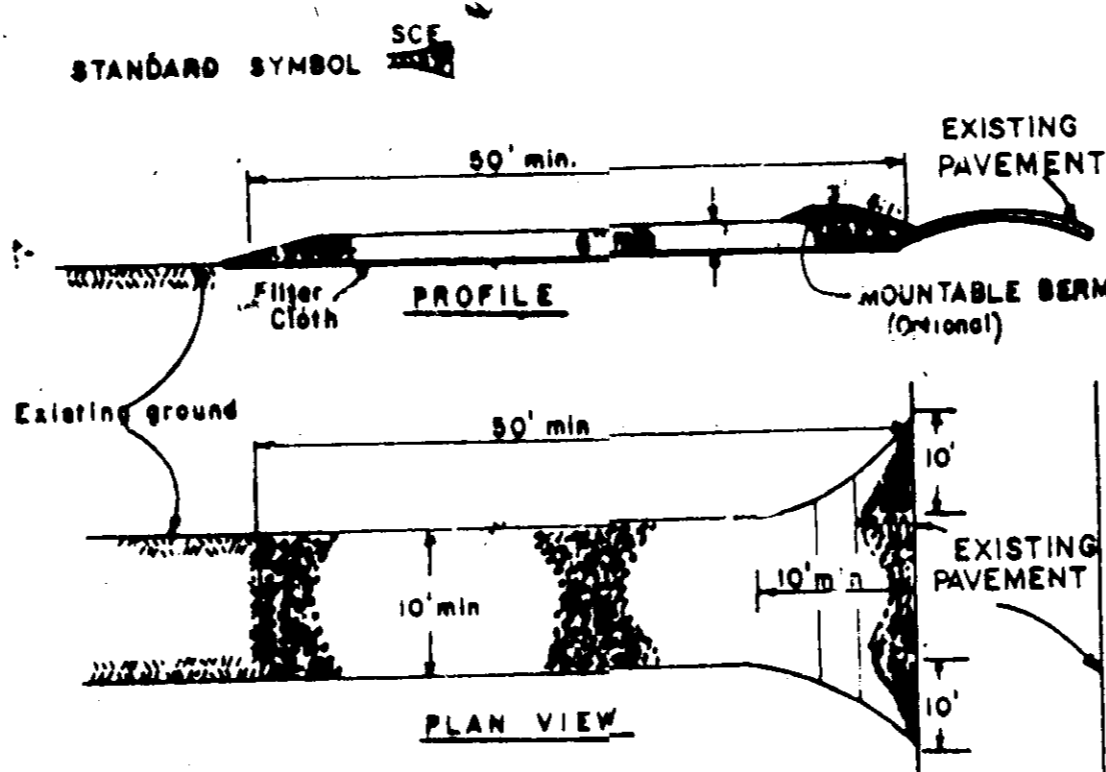
**SILT FENCE**



**CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**

- MOVING WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
- FILTER CLOTH TO BE FASTENED SECURELY TO MOVING WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN MOUNDS DEVELOP IN THE SILT FENCE.

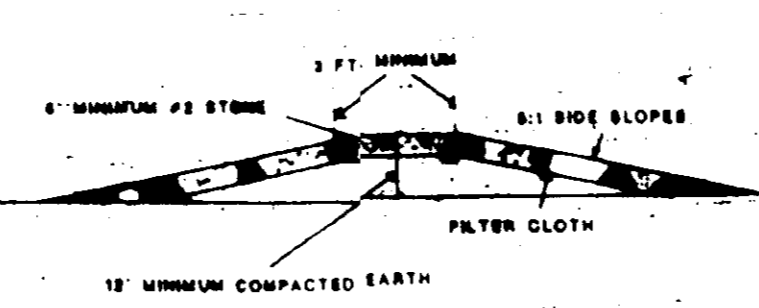
**STABILIZED CONSTRUCTION ENTRANCE**  
NOT TO SCALE



**CONSTRUCTION SPECIFICATIONS**

- Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent.
- Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
- Thickness - Not less than six (6) inches.
- Width - Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
- Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
- Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted.
- Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
- Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
- Periodic inspection and needed maintenance shall be provided after each rain.

**MOUNTABLE BERM FOR STABILIZED CONSTRUCTION ENTRANCE**



**PERMANENT SEEDING NOTES**

APPLY TO GRADED OR CLEARED AREA 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, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

**SOIL AMENDMENTS:** IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULE:

- PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (32 LBS/1000 SQ. FT.) AND 500 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 (3 LBS/1000 SQ. FT.).
- ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 ST. 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 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 50 LBS PER ACRE (1.4 LBS/1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE FOR THE PERIOD MAY 1 THROUGH 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 THROUGH 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 50 LBS/ACRES KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WILL ANCHORED STRAW.

**MULCHING:** APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/100 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 3 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ. FT.) FOR ANCHORING.

**MAINTENANCE:** INSPECT ALL SEEDDED AREAS AND MAKE REPAIRS, REPLACEMENTS AND RESEEDING.

**TEMPORARY SEEDING NOTES**

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

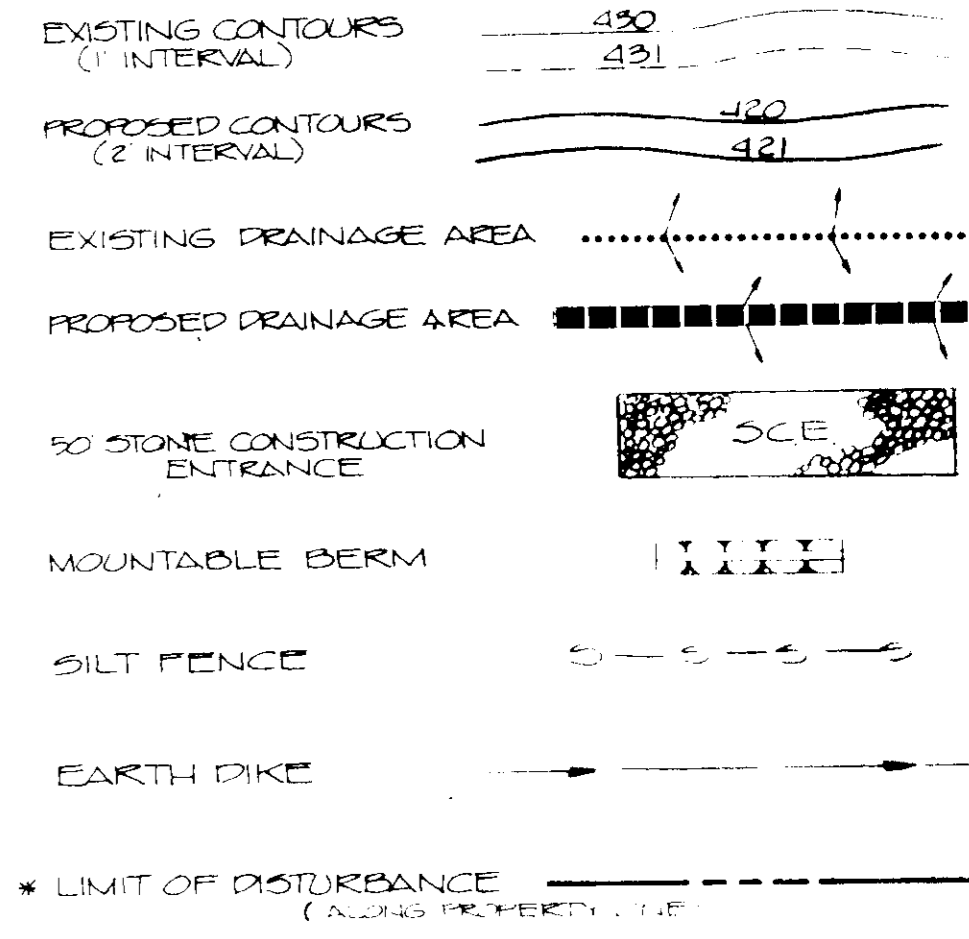
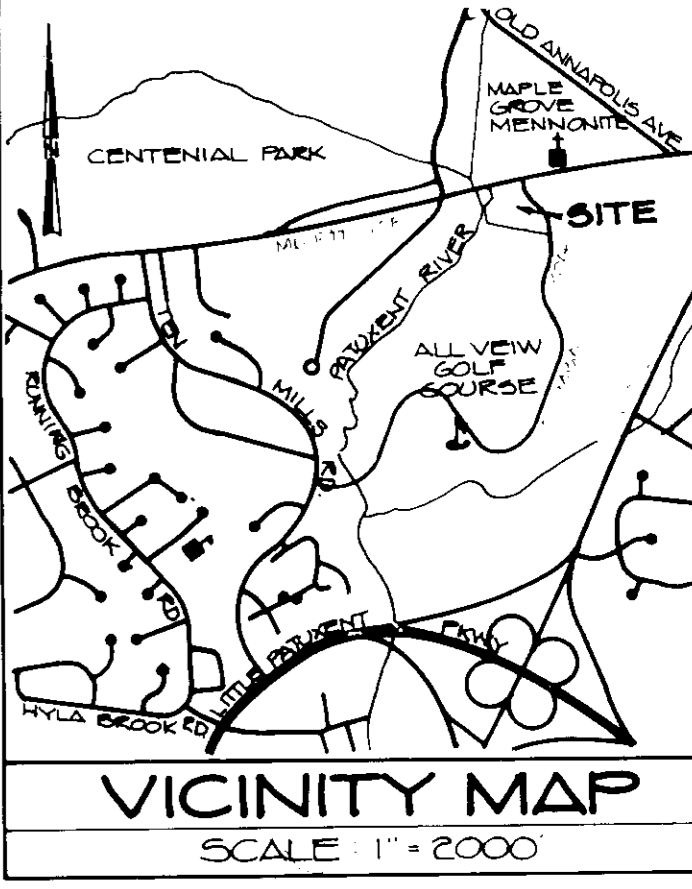
**SEEDBED PREPARATION:** LOOSEN UPPER THREE-INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

**SOIL AMENDMENTS:** APPLY 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.)

**SEEDING:** FOR PERIODS MARCH 1 THROUGH APRIL 30 AND FROM AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 2 1/2 BUSHEL PER ACRE OF ANNUAL R1 (3.2 LBS/1000 SQ. FT.) FOR THE PERIOD MAY 1 THROUGH AUGUST 14. SEED WITH 3 LBS PER ACRE OF WEEPING LOVEGRASS (.07 LBS/1000 SQ. FT.) FOR THE PERIOD NOVEMBER 16 THROUGH 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 AREA. ON SLOPES, 3 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.



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH INSPECTOR  
 DATE 11/19/87

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 DIRECTOR  
 DATE 10-21-87

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 DIRECTOR  
 DATE 10-15-87

**ENGINEERS 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 OF ENGINEER  
 DATE 11/17/87

**DEVELOPERS CERTIFICATE**  
 I HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THE 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 ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS DEEMED NECESSARY.

SIGNATURE OF DEVELOPER  
 DATE 11/17/87

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
 U.S. SOIL CONSERVATION SERVICE  
 DATE 10/8/87

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

7-22-87  
 M. J. Ryan

**ENGINEER**  
 D.S. THALER & ASSOCIATES, INC.  
 11 WARREN ROAD  
 BALTIMORE MARYLAND 21208  
 (301) 484-2100

**OWNER/DEVELOPER**  
 HEATHERFIELD JOINT VENTURE  
 A JOINT VENTURE BETWEEN  
 MORRIS MILL INC & HEATHERFIELD INC  
 10715 CHARTER DRIVE  
 COLUMBIA, MARYLAND 21044  
 (301) 730-4220 (M.R. GERALD J. RYAN)

8-26-87  
**MASS GRADING & SEDIMENT CONTROL PLAN**  
**PARCEL "G"**  
 VILLAGE OF DORSEY'S SEARCH  
 SECTION 3, AREA 1  
 PLAT NO. 6535  
 5TH ELECTION DISTRICT, HOWARD COUNTY MD  
 SCALE: NO SCALE  
 DATE: APRIL 7, 1987

SUBDIVISION NAME: V.O.S.  
 SECT./AREA: 9/1  
 LOT/PARCEL: G  
 PLAT OR L.P.: 6535  
 BLOCK: 9  
 ZONE: N.T. DPT.  
 TAX MAP: 30  
 ELEC. DIST.: 5TH  
 CENSUS TR.: 6028.02  
 WATER CODE: 601  
 SEWER CODE: 5700000

SHEET NUMBER: 9 OF 23  
 T.W.H. E.S.