

EXISTING TOWERS -  
REF BALTIMORE  
GAS & ELECTRIC CO  
144 / 189 R5AB

THIS LINE REPRESENTS 65 DBA  
NOISE LEVEL ON MD. RTE 100

MD. RTE 100 R/W  
(PROPOSED)

PARCEL J  
23 9378 AC  
+ 425.1

250' EASEMENT OF OVERHEAD  
POWER LINES  
SUSQUEHANNA TRANSMISSION CO OF MD

MATCH LINE  
SEE SH. 3 OF 21

MATCH LINE  
SEE SH. 3 OF 21

\*WATER UTILITY REVISED 3/12/82 BY P.K.L.

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

*[Signature]*  
DIRECTOR

DATE 2-10-89

*[Signature]*  
CHIEF, BUREAU OF ENGINEERING

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

*[Signature]* 2-21-89  
DIRECTOR DATE

*[Signature]* 2-12-89  
CHIEF, DIVISION OF  
COMMUNITY PLANNING AND  
LAND DEVELOPMENT DATE

APPROVED FOR PUBLIC WATER AND SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

*[Signature]* 2-14-89  
DIRECTOR DATE

OWNER:  
NEWMISS LTD. PARTNERSHIP  
6615 REISTERSTOWN ROAD  
SUITE 201  
BALTIMORE, MARYLAND 21215

DEVELOPER:  
MACKS & MACKS, INC.  
6615 REISTERSTOWN ROAD  
BALTIMORE, MARYLAND 21215

SITE DEVELOPMENT PLAN  
SECTION AREA 2, PAR 1, S.C.K.  
VILLAGE OF MONTGOMERY RUN  
TAX MAP 31 & 37 PARCELS 100 & 285  
1ST ELECTION DISTRICT HOWARD COUNTY, MD

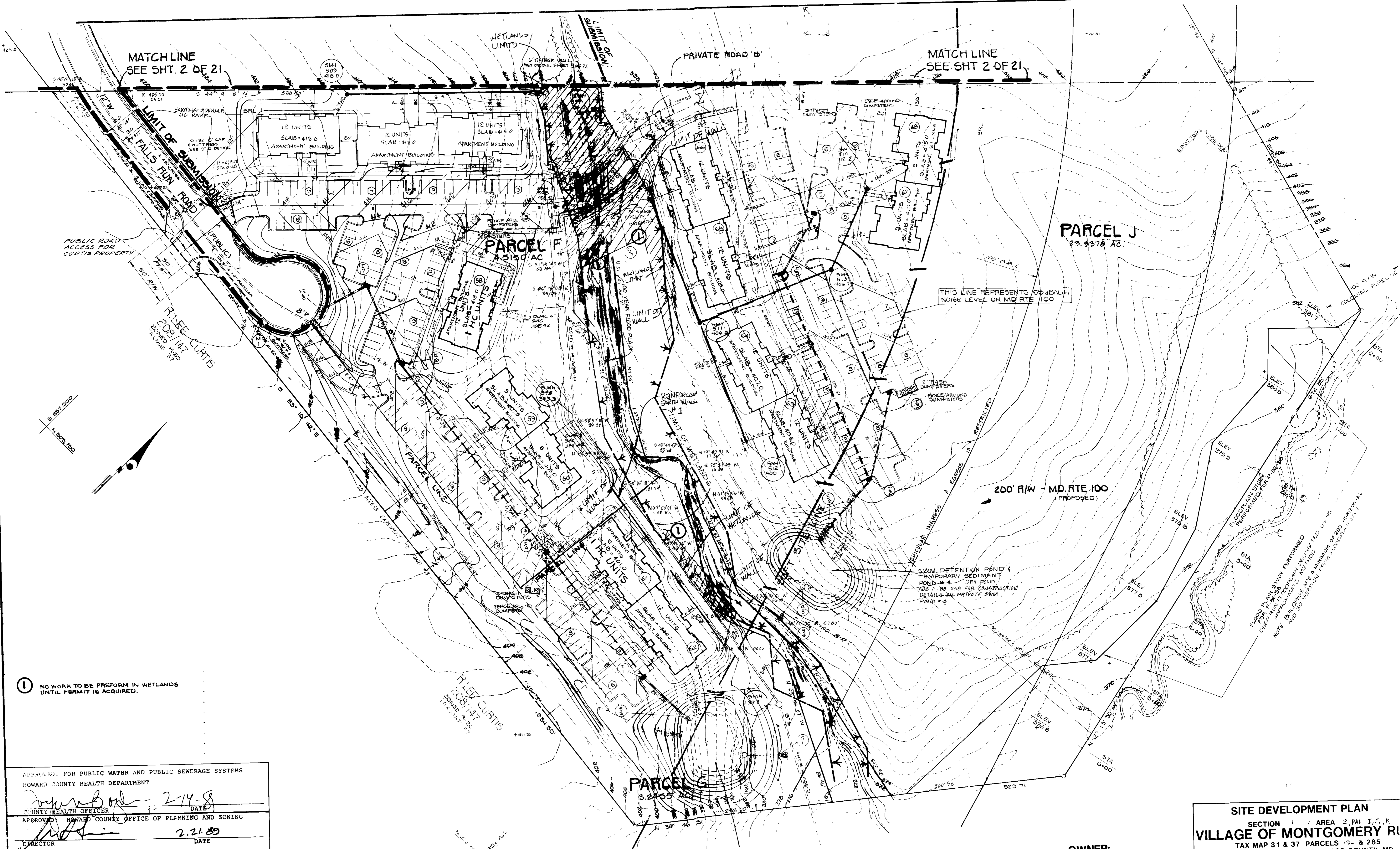
KIDDE CONSULTANTS, INC.  
ENGINEERS • PLANNERS • SURVEYORS

STATE OF MARYLAND  
PROFESSIONAL ENGINEER

SHEET 2 OF 21

APRIL 1988 SCALE 1" = 50'

8-29-88



① NO WORK TO BE PERFORM IN WETLANDS UNTIL PERMIT IS ACQUIRED.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER *[Signature]* 2-14-88 DATE  
 APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
 DIRECTOR *[Signature]* 2-21-89 DATE  
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT  
*[Signature]* 2-77-89 DATE  
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR *[Signature]* 2/16/89 DATE  
 H. E. REYNOLDS & COMPANY  
 "HIT" BUREAU OF ENGINEERING  
 2-12-89 DATE

8-29-88

SWM DEFENTION POND 4  
 TEMPORARY SEDIMENT TRAP # 3 DRY POND  
 SEE P. 28-258 FOR CONSTRUCTION DETAILS ON PUBLIC SWM POND #3  
 \* WETLANDS - REVISED, RETAIN - ADDED  
 WATER CURTAIN, 12/11/89 BY S.A.P.  
 \* RELOCATED FIRE HYDRANT 12/11/89 BY S.A.P.

Revision 1-4-91 Pathway, Bridge & Slips deleted  
 Revisions 12-10-88 HANDICAP ACCESSIBILITY

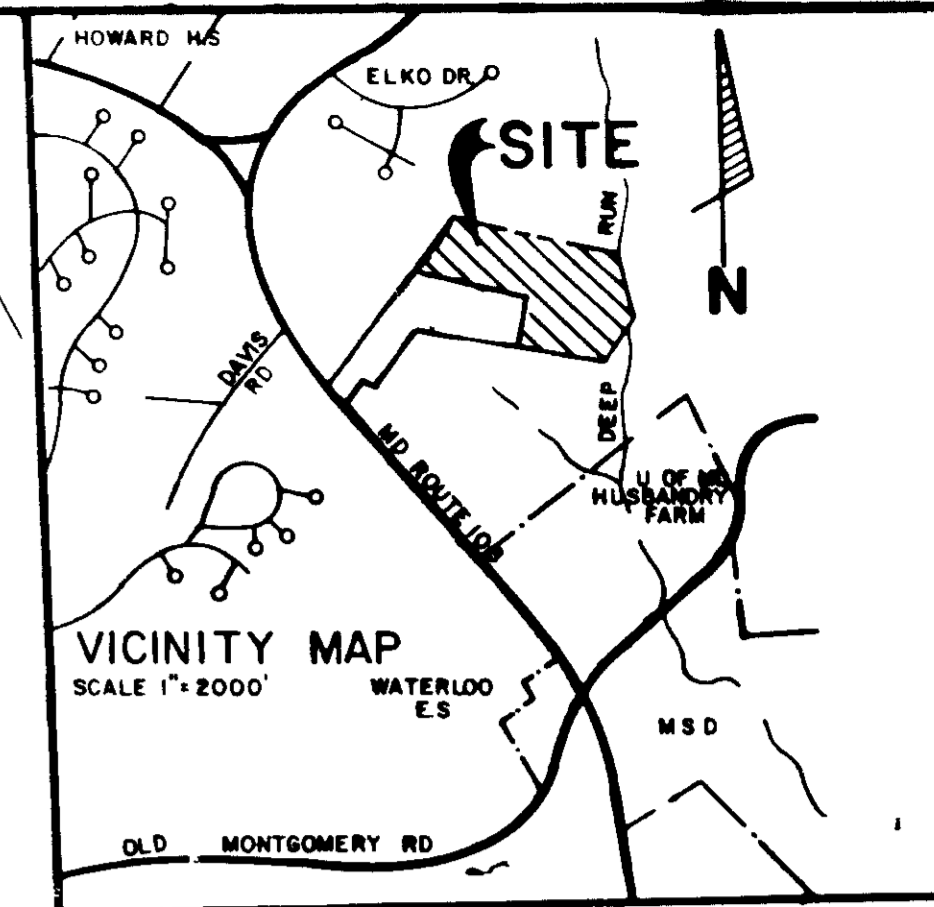
**SITE DEVELOPMENT PLAN**  
 SECTION 1 / AREA 2, PARCELS J, J, K  
**VILLAGE OF MONTGOMERY RUN**  
 TAX MAP 31 & 37 PARCELS 280 & 285  
 1ST ELECTION DISTRICT HOWARD COUNTY, MD

**OWNER:**  
 NEWMISS LTD. PARTNERSHIP  
 6615 REISTERSTOWN ROAD  
 SUITE 201  
 BALTIMORE, MARYLAND 21215

**DEVELOPER:**  
 MACKS & MACKS, INC.  
 6615 REISTERSTOWN ROAD  
 BALTIMORE, MARYLAND 21215

**KIDDE CONSULTANTS, INC.**  
 ENGINEERS & PLANNERS  
 20701  
 SHEET 3 OF 2  
 APRIL 1988

SDP-88-278



200' R/W MD. RTE.  
100  
(PROPOSED)

PARCEL 10  
10.69 AC

MATCH LINE SEE  
SHEET 5 OF 21.

MATCH LINE SEE SHT  
5 OF 21.

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

*[Signature]* 2-14-89  
COUNTY HEALTH OFFICER DATE

*[Signature]* 2-21-89  
APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING DATE

*[Signature]* 2-17-89  
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

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

*[Signature]* 2/16/89  
DIRECTOR DATE

*[Signature]* 2-10-89  
CHIEF BUREAU OF ENGINEERING DATE

**APPROVED**  
DIVISION OF  
COMMUNITY PLANNING  
& LAND DEVELOPMENT

HOWARD COUNTY,  
MARYLAND

DATE **8-29-88**

\*REVISED WATER METER  
3129189 BY R.R.Z.

**OWNER:**  
NEWMISS LTD. PARTNERSHIP  
6615 REISTERSTOWN ROAD  
SUITE 201  
BALTIMORE, MARYLAND 21215

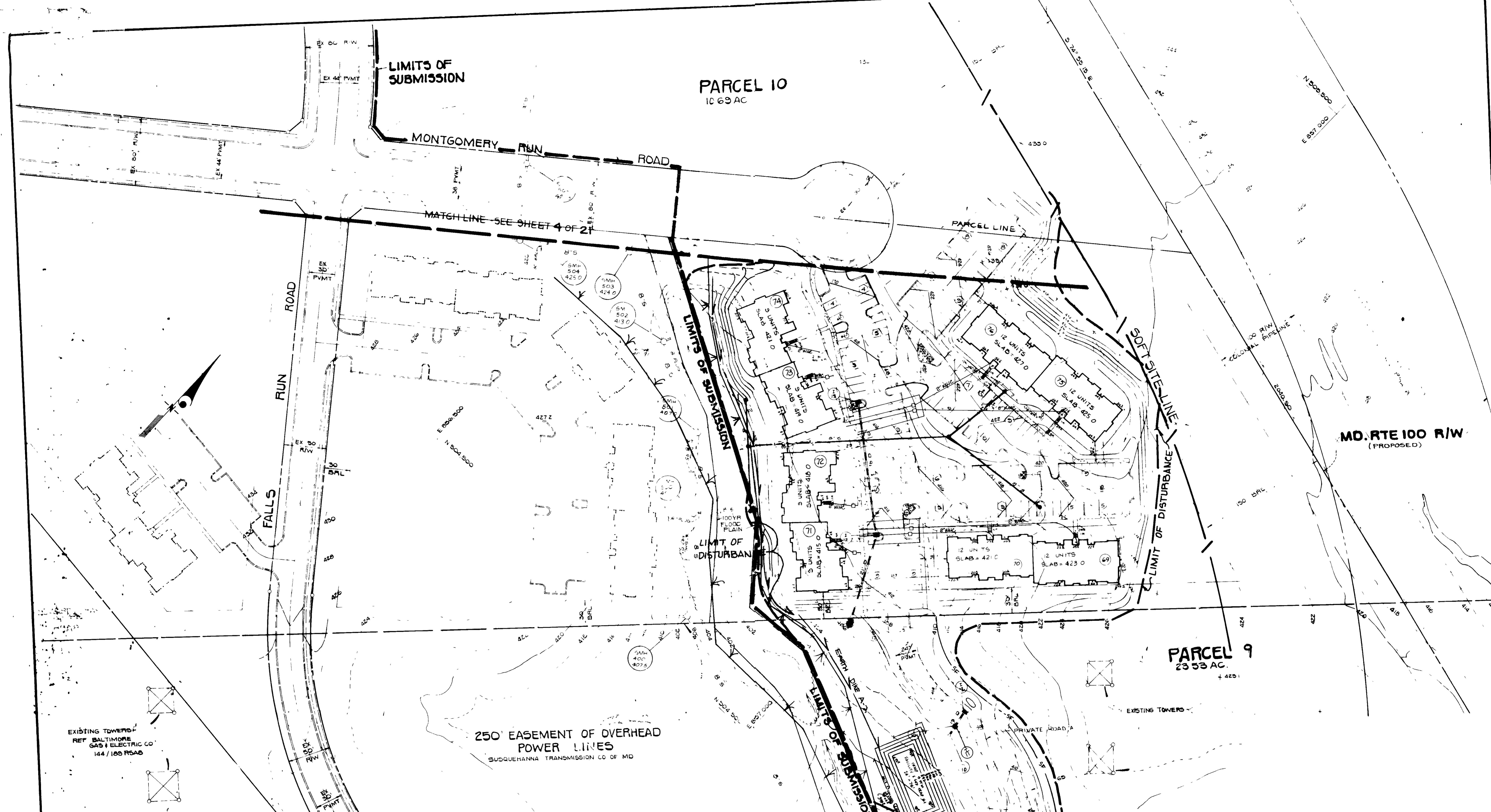
**DEVELOPER:**  
MACKS & MACKS, INC.  
6615 REISTERSTOWN ROAD  
BALTIMORE, MARYLAND 21215

**GRADING & SEDIMENT CONTROL PLAN**  
SECTION 1 / AREA 2 PAR. I, J, K  
**VILLAGE OF MONTGOMERY RUN**  
TAX MAP 31 & 37 PARCELS 180 & 285  
1ST ELECTION DISTRICT HOWARD COUNTY, MD



**KIDDE CONSULTANTS, INC.**  
ENGINEERS - PLANNERS - SURVEYORS  
1100 WEST STREET / SUITE 100 / LAUREL MD 20707  
(301) 281-9521 / (703) 888-0844  
SHEET 4 OF 21

DATE APRIL 1988 SCALE 1" = 50'



PARCEL 10  
10.69 AC

PARCEL 9  
23.53 AC

MD. RTE 100 R/W  
(PROPOSED)

250' EASEMENT OF OVERHEAD  
POWER LINES  
SUSQUEHANNA TRANSMISSION CO OF MD

EXISTING TOWERS  
REF BALTIMORE  
GAS & ELECTRIC CO  
144 / 185 R/SAD

MATCH LINE  
SEE SHT 6 OF 21

MATCH LINE  
SEE SHT. 6 OF 21

\* REVISED WATER METERS  
3/29/89 BY P.R.Z.

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

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

HOWARD COUNTY HEALTH DEPARTMENT

SEWERAGE SYSTEMS

*[Signature]*  
DATE: 2-10-89

*[Signature]*  
DATE: 2-7-89

*[Signature]*  
DATE: 2-14-89

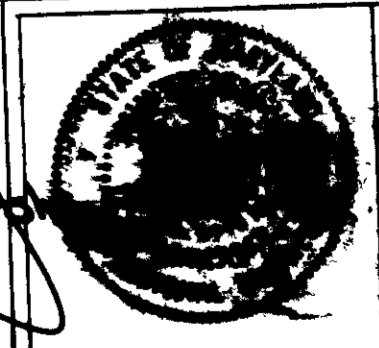
DATE: 8-29-88

APPROVED  
DIVISION OF  
COMMUNITY PLANNING  
& LAND DEVELOPMENT  
HOWARD COUNTY,  
MARYLAND  
DATE: 8-29-88

OWNER:  
NEWMISS LTD. PARTNERSHIP  
6615 REISTERSTOWN ROAD  
SUITE 201  
BALTIMORE, MARYLAND 21215

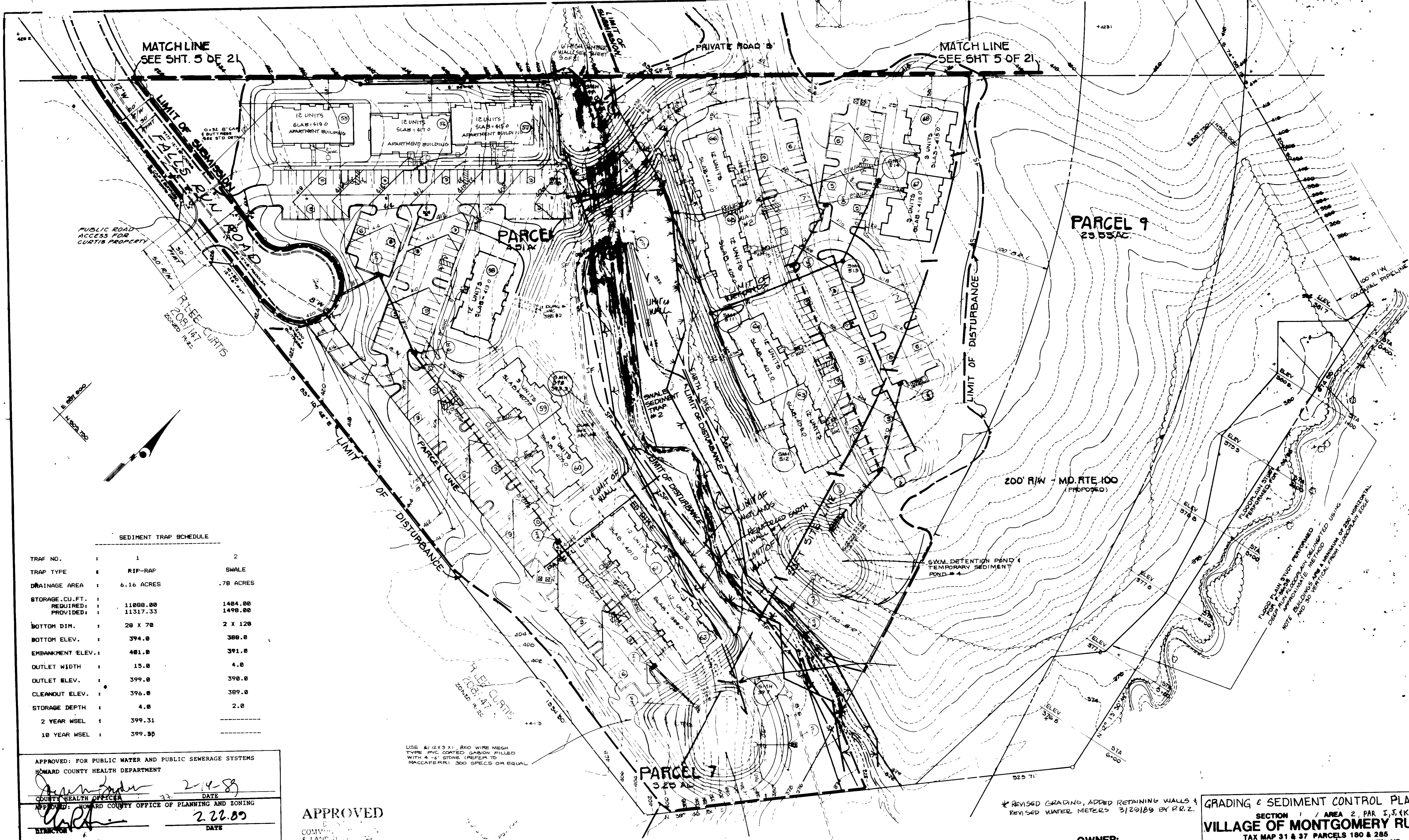
DEVELOPER:  
MACKS & MACKS, INC.  
6615 REISTERSTOWN ROAD  
BALTIMORE, MARYLAND 21215

GRADING & SEDIMENT CONTROL PLAN  
SECTION 1 / AREA 2 PAR. J, J, K  
VILLAGE OF MONTGOMERY RUN  
TAX MAP 31 & 37 PARCELS 180 & 285  
1ST ELECTION DISTRICT HOWARD COUNTY, MD



KIDDE CONSULTANTS, INC.  
ENGINEERS • PLANNERS • SURVEYORS  
1100 WEST STREET / SUITE 100 / LAUREL, MD 20707  
(301) 859-1881 / 780-0888 (FAX)  
SHEET 5 OF 21

DATE: APRIL 1988 SCALE: 1" = 50'



**SEDIMENT TRAP SCHEDULE**

TRAF NO.	1	2
TRAP TYPE	RIP-RAP	SWALE
DRAINAGE AREA	6.16 ACRES	.78 ACRES
STORAGE, CU. FT.		
REQUIRED	11088.00	1484.00
PROVIDED	11317.33	1498.00
BOTTOM DIM.	28 X 70	2 X 120
BOTTOM ELEV.	394.0	388.0
EMBANKMENT ELEV.	481.0	391.0
OUTLET WIDTH	15.0	4.0
OUTLET ELEV.	399.0	398.0
CLEANOUT ELEV.	396.0	389.0
STORAGE DEPTH	4.0	2.0
2 YEAR WSEL	399.31	
10 YEAR WSEL	399.55	

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER: *[Signature]* DATE: 2-14-88  
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
 DIRECTOR: *[Signature]* DATE: 2-22-89  
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT  
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR: *[Signature]* DATE: 2-11-89  
 CHIEF BUREAU OF ENGINEERING: *[Signature]* DATE: 2-10-89

**APPROVED**  
 COMMUNITY PLANNING & LAND DEVELOPMENT  
 HOWARD COUNTY  
 MARYLAND  
 DATE: 8-29-88

USE #1/2 X 3/4 X 1/2 BRID WIRE MESH  
 TYPE PVC COATED GABION FILLED  
 WITH 4-6" STONE (REFER TO  
 MACCAFERRI 300 SPECS OR EQUAL

SWM DETENTION POND 4  
 TEMPORARY SEDIMENT  
 TRAP #3

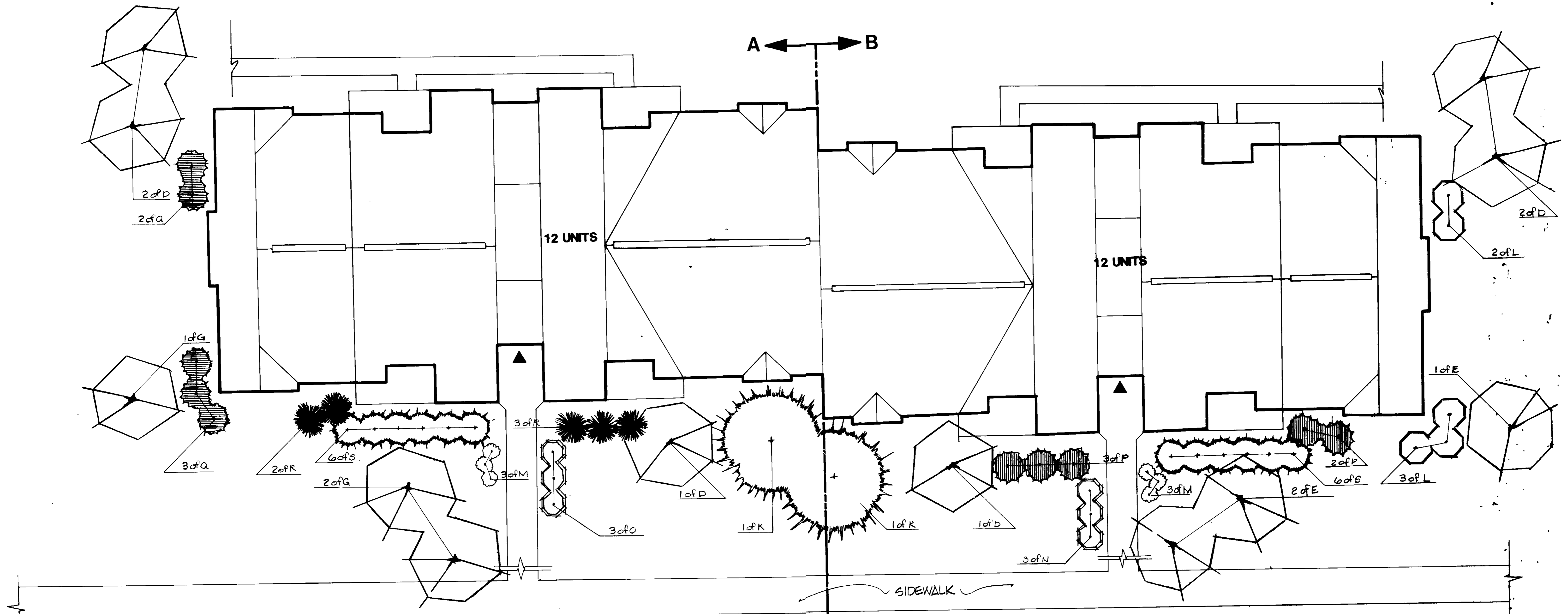
SWM DETENTION POND 4  
 TEMPORARY SEDIMENT  
 POND #4

**GRADING & SEDIMENT CONTROL PLAN**  
 SECTION 1 / AREA 2, PAR. I, J, K  
**VILLAGE OF MONTGOMERY RUN**  
 TAX MAP 31 & 37 PARCELS 180 & 285  
 1ST ELECTION DISTRICT HOWARD COUNTY, MD

**OWNER:**  
 NEWMISS LTD. PARTNERSHIP  
 6615 REISTERSTOWN ROAD  
 SUITE 201  
 BALTIMORE, MARYLAND 21215

**DEVELOPER:**  
 MACKS & MACKS, INC.  
 6615 REISTERSTOWN ROAD  
 BALTIMORE, MARYLAND 21215

**KIDDE CONSULTANTS, INC.**  
 ENGINEERS • PLANNERS • SURVEYORS  
 1100 WEST STREET, SUITE 100, BALTIMORE, MD 21201  
 PHONE: (410) 528-1111 FAX: (410) 528-1112  
 SHEET 6 OF 21  
 DATE: APRIL 1988 SCALE: 1" = 50'



**TREATMENT A**      **TREATMENT B**  
 BUILDINGS 55, 56, 61, 63, 65, 69, 76, 78, 79, AND 81      BUILDINGS 57, 58, 62, 64, 66, 70, 75, 77, 80, AND 82-84  
 10      NO. OF BLDGS.      12

KEY	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
<b>SHADE TREES</b>					
A	-	Acer saccharum	Sugar Maple	2-1/2"C	B&B, Staked
B	-	Fraxinus pennsylvanica lanceolata	Green Ash	2-1/2"C	B&B, Staked
C	-	Tilia cordata "Greenspire"	Greenspire Linden	2"C	B&B, Staked
<b>FLOWERING TREES</b>					
D	3	Cercis canadensis	Eastern Redbud	8'-10'Ht.	B&B, Staked
E	3	Cornus florida "Cherokee Princess"	White Dogwood	8'-10'Ht.	B&B, Staked
F	-	Cornus florida	White Dogwood	8'-10'Ht.	B&B, Staked
G	3	Cornus florida rubra	Pink Flowering Dogwood	8'-10'Ht.	B&B, Staked
H	-	Crataegus crus galli inermis	Thornless Hawthorn	2"C	B&B, Staked
I	-	Elaeagnus angustifolia	Russian Olive	5'-6'Ht.	B&B, Staked
<b>EVERGREENS</b>					
J	-	Pinus nigra	Austrian Pine	5'-6'Ht.	B&B, Staked
K	1	Pinus sylvestris "Watereri"	Watereri's Scotch Pine	8'-10'Ht.	B&B, Staked
<b>SHRUBS</b>					
L	-	Abelia grandiflora	Glossy Abelia	3'-4'Spr.	Cont., Butterfly
M	3	Berberis thunbergii atropurpurea	Crimson Pygmy	1 Gal. Cont.	Cont., Butterfly
N	4	Calycanthus floridus	Japanese Barberry	18"-24'Ht.	B&B, Staked
O	3	Euonymus alatus compactus	Common Sweetshrub	2'-2 1/2'	B&B, Staked
P	-	Ilex crenata "Helleri"	Compact Winged Euonymus	2'-3'Ht.	Cont., Butterfly
Q	-	Ilex cornuta "Burford"	Heller Japanese Holly	3'-4'Ht.	Cont., Butterfly
R	5	Pinus mugo var. mugo	Burford Chinese Holly	21/2-3'Spr.	Cont., Butterfly
S	6	Viburnum dilatatum	Mugo Pine	4'-5'Ht.	Cont., Butterfly
			Linden Viburnum		

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
*James G. Cole*      2-14-89  
 COUNTY HEALTH OFFICER      DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*James G. Cole*      2/14/89  
 DIRECTOR      DATE

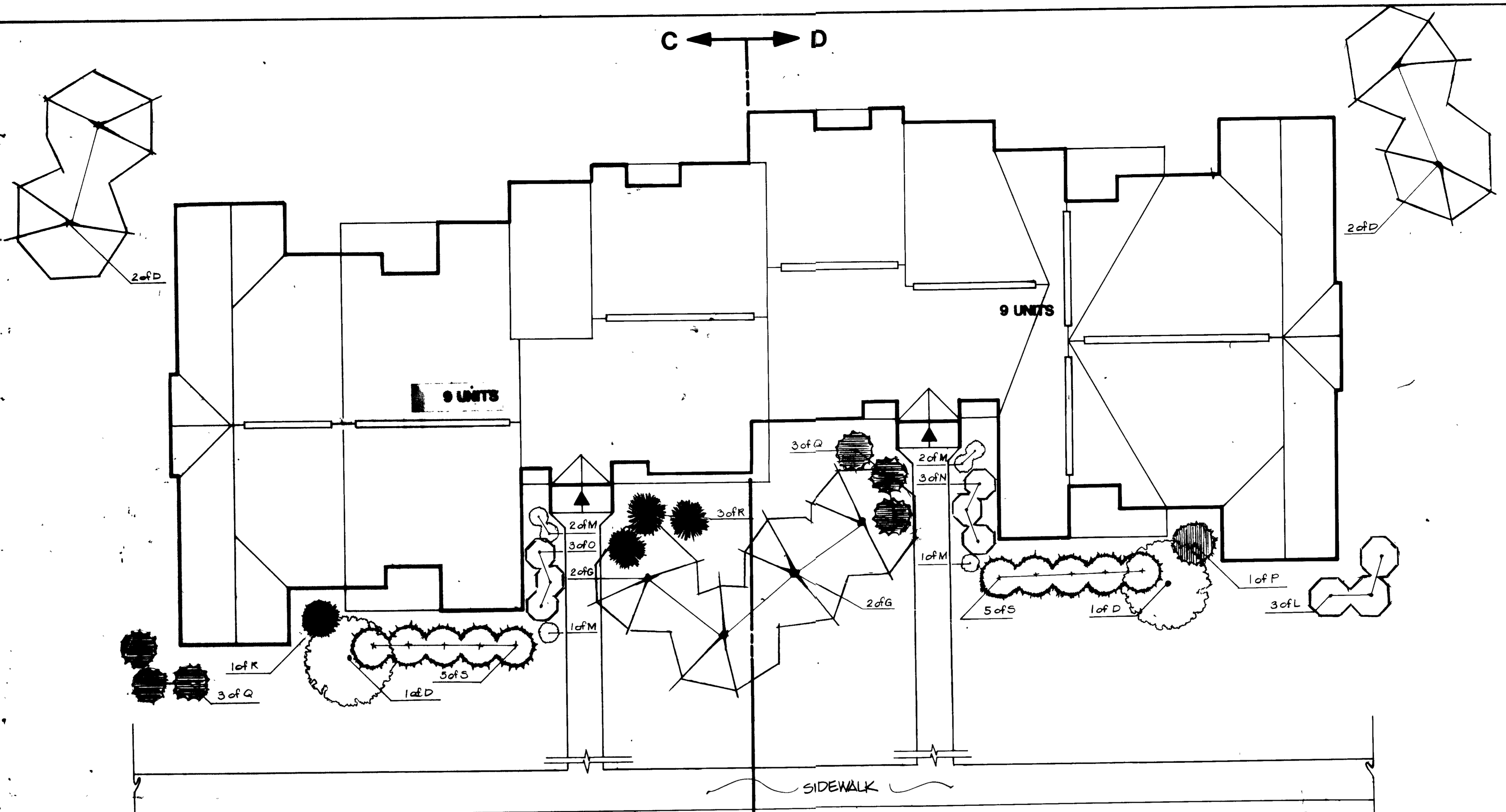
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
*James G. Cole*      2-21-89  
 DIRECTOR      DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND LAND DEVELOPMENT  
*James G. Cole*      2-27-89  
 CHIEF BUREAU OF ENGINEERING      DATE

APPROVED  
 DIVISION OF  
 COMMUNITY PLANNING  
 & LAND DEVELOPMENT  
 HOWARD COUNTY,  
 MARYLAND  
 DATE 8-29-88



KEY	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
<b>SHADE TREES</b>					
A	-	Acer saccharum	Sugar Maple	2-1/2"C	B&B, Staked
B	-	Fraxinus pennsylvanica lanceolata	Green Ash	2-1/2"C	B&B, Staked
C	-	Tilia cordata "Greenspire"	Greenspire Linden	2"C	B&B, Staked
<b>FLOWERING TREES</b>					
D	3	Cercis canadensis	Eastern Redbud	8'-10'Ht.	B&B, Staked
E	3	Cornus florida "Cherokee Princess"	White Dogwood	8'-10'Ht.	B&B, Staked
F	-	Cornus florida	"Cherokee Princess"	8'-10'Ht.	B&B, Staked
G	-	Cornus florida rubra	White Dogwood	8'-10'Ht.	B&B, Staked
H	-	Crataegus crus galli inermis	Pink Flowering Dogwood	8'-10'Ht.	B&B, Staked
I	-	Elaeagnus angustifolia	Thornless Hawthorn	2"C	B&B, Staked
<b>EVERGREENS</b>					
J	-	Pinus nigra	Austrian Pine	5'-6'Ht.	B&B, Staked
K	1	Pinus sylvestris "Watereri"	Watereri's Scotch Pine	8'-10'Ht.	B&B, Staked
<b>SHRUBS</b>					
L	5	Abelia grandiflora	Glossy Abelia	3'-4'Spr.	Cont., Butterfly
M	3	Berberis thunbergii atropurpurea	Crimson Pygmy	1 Gal. Cont.	Cont., Butterfly
N	4	Calycanthus floridus	Japanese Barberry	18"-24'Ht.	B&B, Staked
O	3	Euonymus alatus compactus	Common Sweetshrub	2'-2 1/2'	B&B, Staked
P	-	Ilex crenata "Helleri"	Compact Winged Euonymus	2'-3'Ht.	Cont., Butterfly
Q	-	Ilex cornuta "Burford"	Heller Japanese Holly	3'-4'Ht.	Cont., Butterfly
R	5	Pinus mugo var. mugo	Burford Chinese Holly	21/2-3'Spr.	Cont., Butterfly
S	6	Viburnum dilatatum	Mugo Pine	4'-5'Ht.	Cont., Butterfly
			Linden Viburnum		



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G	2	Cornus florida rubra	White Dogwood	8'-10'Ht.	B&B, Staked
H	-	Cornus florida	Pink Flowering Dogwood	8'-10'Ht.	B&B, Staked
I	-	Crataegus crus galli inermis	Thornless Hawthorn	2"C	B&B, Staked
J	-	Silene angustifolia	Russian Olive	5'-6'Ht.	B&B, Staked
<b>EVERGREENS</b>					
J	-	Pinus nigra	Austrian Pine	5'-6'Ht.	B&B, Staked
K	-	Pinus sylvestris "Watereri"	Waterer's Scotch Pine	8'-10'Ht.	B&B, Staked
<b>SHRUBS</b>					
L	3	Abelia grandiflora	Glossy Abelia	3'-4'Sprds.	Cont., Butterfly
M	3	Berberis thunbergii atropurpurea	Crimson Pygmy	1 Gal. Cont.	Cont., Butterfly
N	3	Calycanthus floridus	Japanese Barberry	18"-24"Ht.	B&B, Staked
O	3	Euonymus alatus compactus	Common Sweetshrub	2'-2 1/2'	B&B, Staked
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Q	3	Ilex cornuta "Burford"	Heller Japanese Holly	3'-4'Ht.	Cont., Butterfly
R	4	Pinus mugo var. mugo	Burford Chinese Holly	2 1/2'-3'Sprds.	Cont., Butterfly
S	5	Viburnum dilatatum	Hugo Pine	4'-5'Ht.	Cont., Butterfly

**TREATMENT C** ← **TREATMENT D**  
 BUILDINGS 66, 67, 71, 73, AND 85      BUILDINGS 66, 67, 72, 74, AND 86  
 5'      NO. OF BLDGS.      5

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
*[Signature]* 2-14-89  
 COUNTY HEALTH OFFICER      DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
*[Signature]* 2-24-89  
 DIRECTOR      DATE

APPROVED: CITY, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT  
*[Signature]* 2-27-89  
 CITY, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT      DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*[Signature]* 2-10-89  
 DIRECTOR      DATE

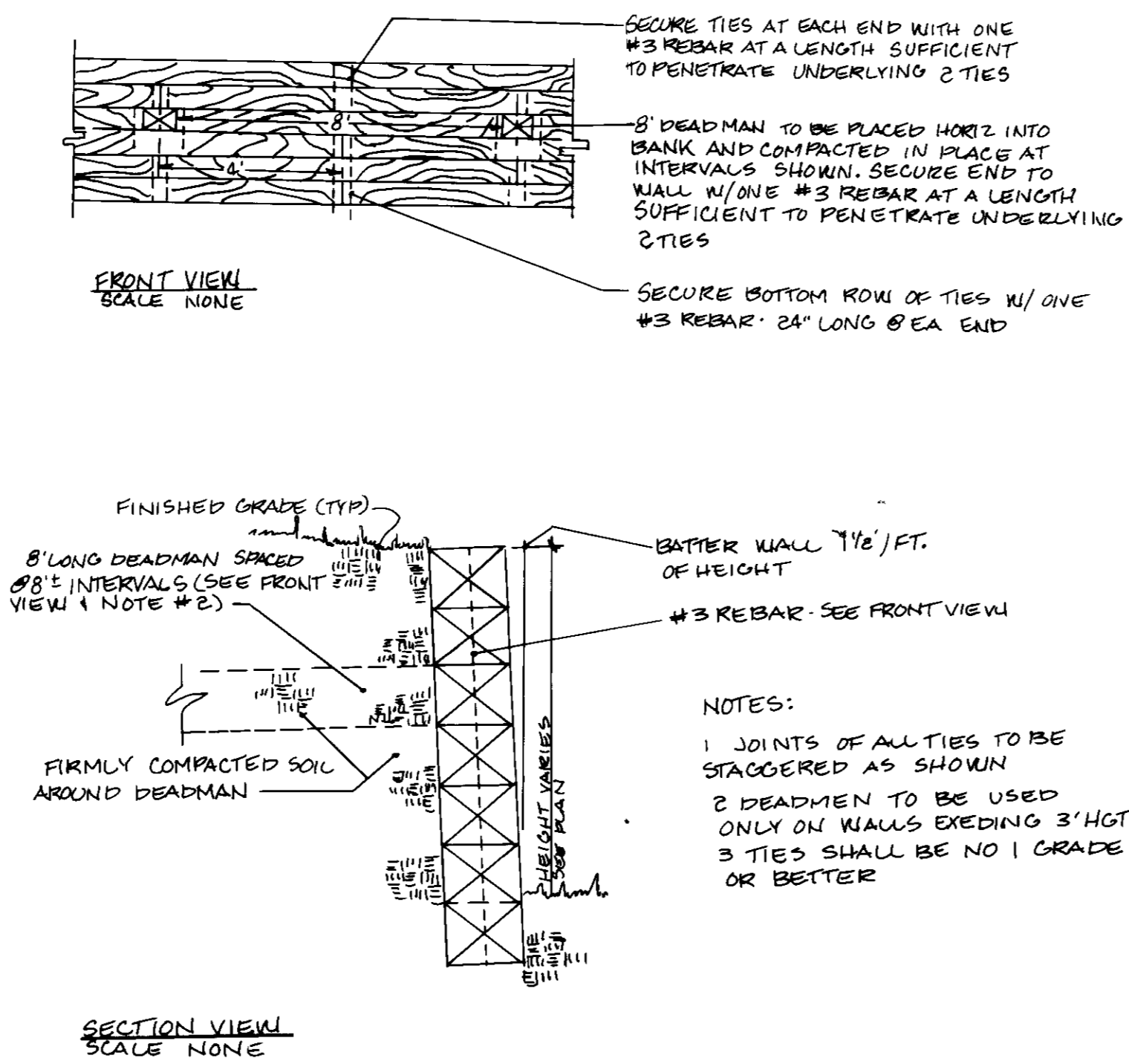
APPROVED  
 DIVISION OF  
 COMMUNITY PLANNING  
 & LAND DEVELOPMENT  
 HOWARD COUNTY,  
 MARYLAND  
 DATE 6-29-88

KEY	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
<b>SHADE TREES</b>					
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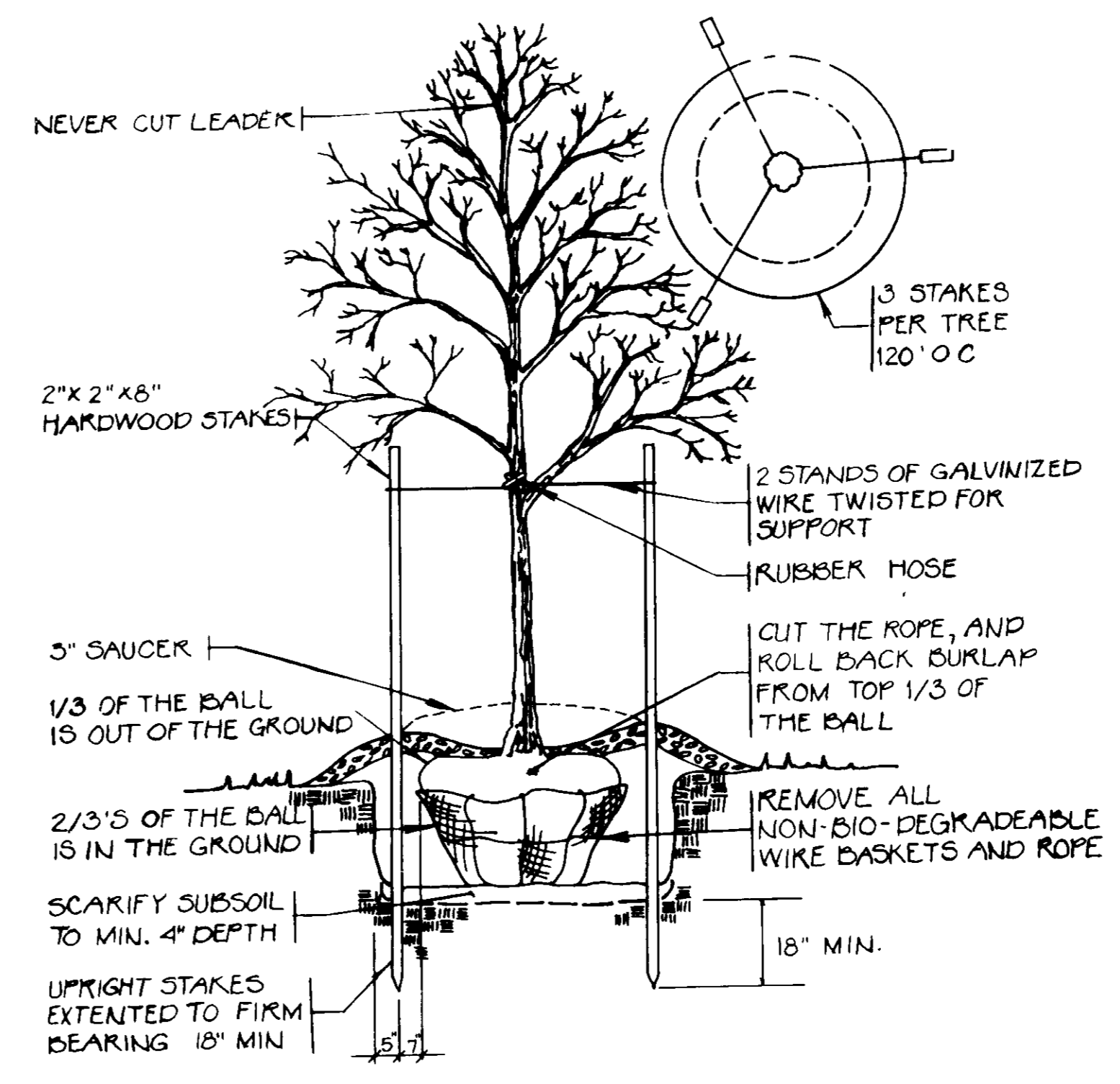


**GENERAL NOTES**

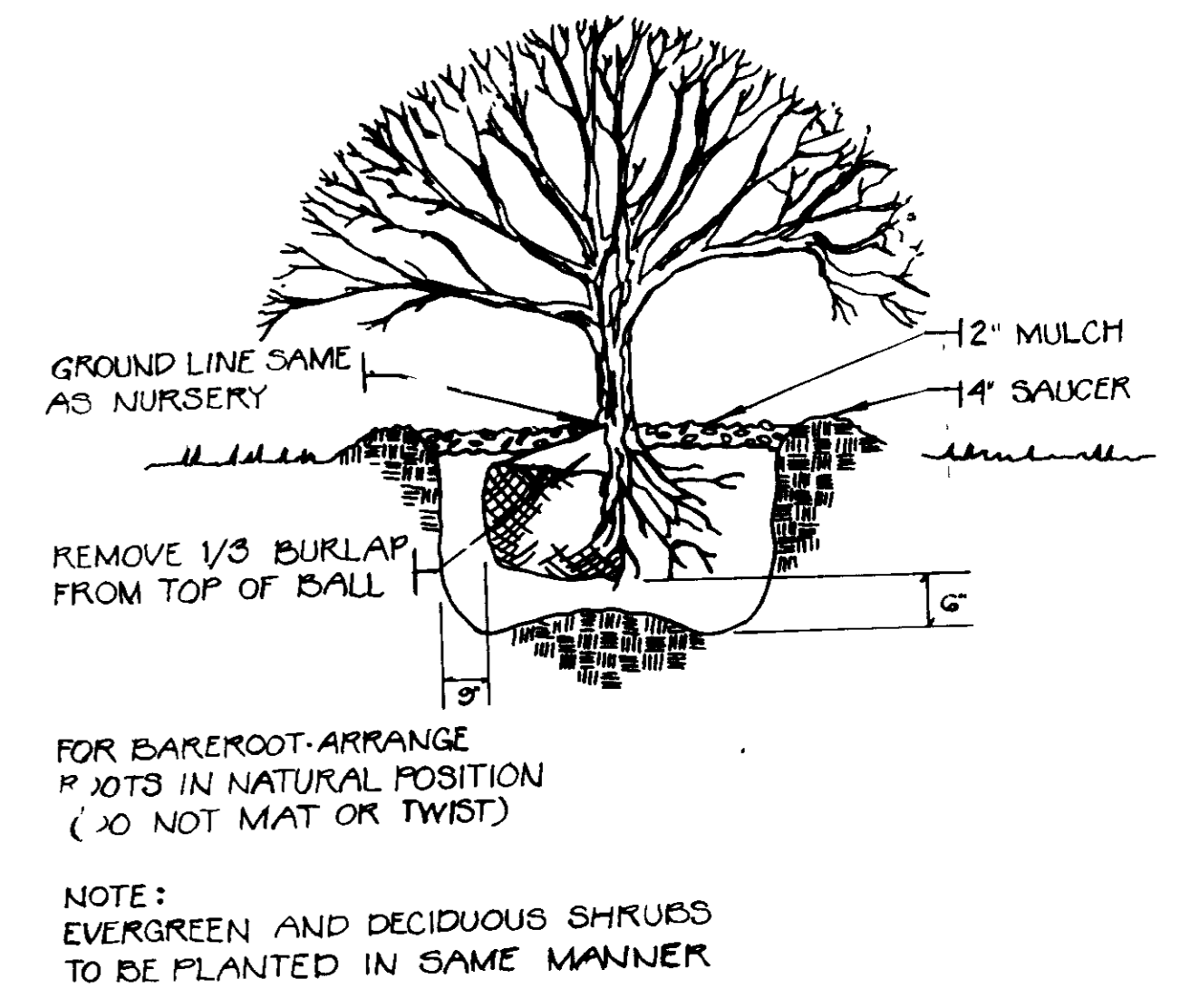
- Plants shall conform to current "American Standards for Nursery Stock" by American Association of Nurserymen (AAN), particularly with regards to size, growth, size of ball, and density of branch structure.
- All plants (B&B or container) shall be properly identified by weather-proof labels securely attached thereto before delivery to project site. Labels shall identify plants by name species and size. Labels shall not be removed until the final inspection by the Landscape Architect.
- Any material and/or work may be rejected by the Landscape Architect if it does not meet the requirements of the specifications. All rejected materials shall be removed from the site by the Contractor.
- The Contractor shall furnish all plants in quantities and sizes to complete the work as specified in plant schedule.
- Substitutions in plant species or size shall not be permitted except with the written approval of the Landscape Architect.
- Plants shall be located as shown on the drawings and by scaling or as designated in the field by the Landscape Architect. All locations are to be approved by the Landscape Architect before excavation.
- Contractor shall contact Miss Utility (559-0100) prior to any excavation.
- If utility lines are encountered in excavation of tree pits, other locations for the trees shall be selected by the Landscape Architect. Such changes shall be made by the contractor without additional compensation. No changes of location shall be made without the approval of the Landscape Architect.
- All equipment and tools shall be placed so as not to interfere or hinder the pedestrian and vehicular traffic flow.
- During planting operations, excess and waste materials shall be promptly and frequently removed from the site.



**RAILROAD TIE WALL DETAIL**



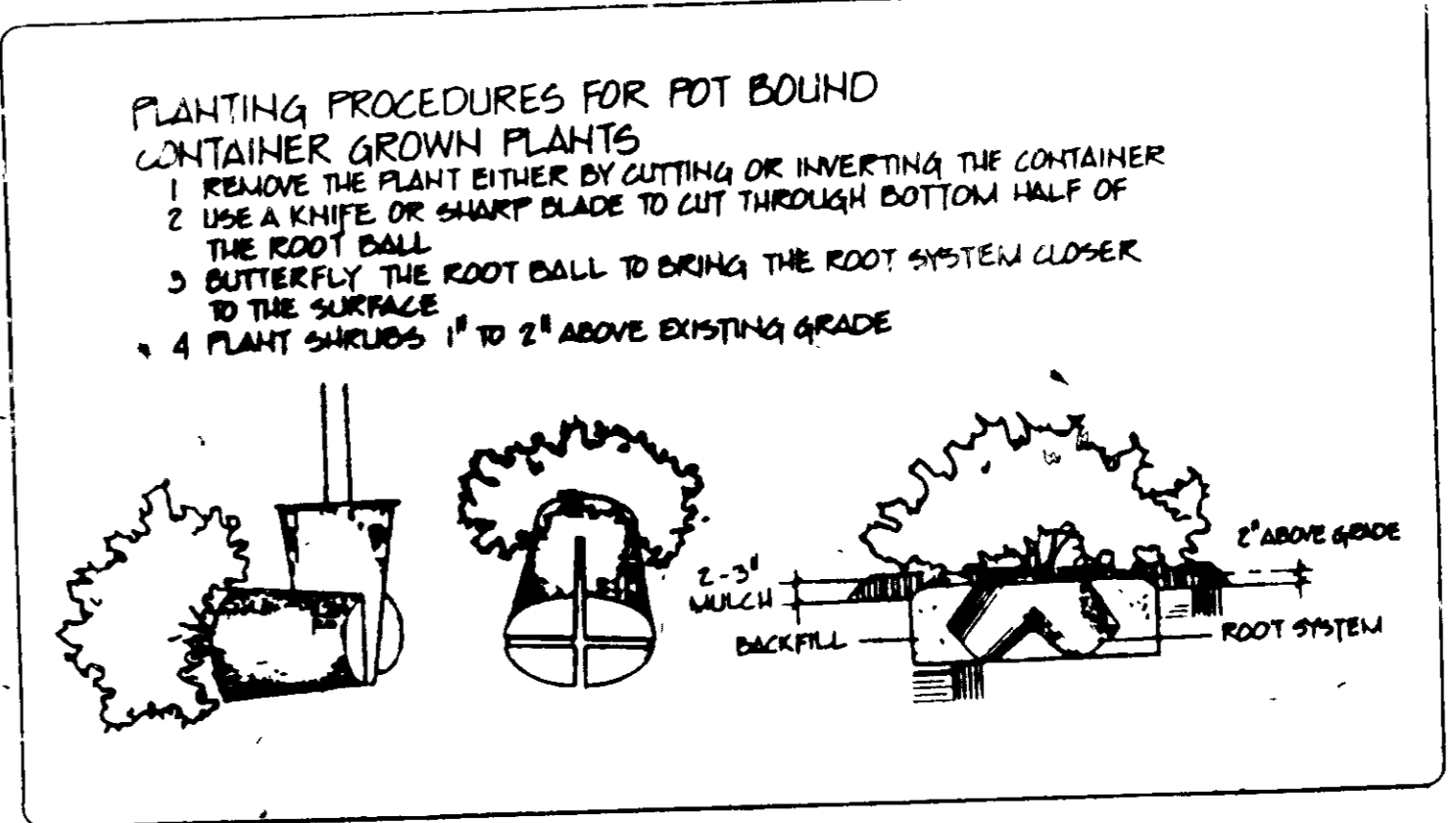
○ SHADE AND EVERGREEN PLANTING  
NO SCALE



○ SHRUB PLANTING DETAIL  
NO SCALE

**MASTER PLANT LIST**

KEY	QUANTITY	BOTANICAL NAME	COMMON NAME	SIZE	REMARKS
<b>SHADE TREES</b>					
A		Acer saccharum	Sugar Maple	2-1/2" C	B&B, Staked
B		Fraxinus pennsylvanica lanceolata	Green Ash	2-1/2" C	B&B, Staked
C		Tilia cordata "Greenspire"	Greenspire Linden	2" C	B&B, Staked
<b>FLOWERING TREES</b>					
D	98	Cercis canadensis	Eastern Redbud	8'-10' Ht.	B&B, Staked
E		Cornus florida "Cherokee Princess"	White Dogwood	8'-10' Ht.	B&B, Staked
F		Cornus florida	White Dogwood	8'-10' Ht.	B&B, Staked
G	50	Cornus florida rubra	Pink Flowering Dogwood	8'-10' Ht.	B&B, Staked
H		Crataegus crux galli inermis	Thornless Hawthorn	2" C	B&B, Staked
I		Elaeagnus angustifolia	Russian Olive	5'-6' Ht.	B&B, Staked
<b>EVERGREENS</b>					
J	22	Pinus nigra	Austrian Pine	5'-6' Ht.	B&B, Staked
K		Pinus sylvestris "Waterer"	Waterer's Scotch Pine	8'-10' Ht.	B&B, Staked
<b>SHRUBS</b>					
L	75	Abelia grandiflora	Glossy Abelia	3'-4' Sprd.	Cont., Butterfly
M		Berberis thunbergii atropurpurea	Crimson Pygmy	1 Gal. Cont.	Cont., Butterfly
N		"Crimson Pygmy"	Japanese Barberry		
O	51	Calycanthus floridus	Common Sweetshrub	18"-24" Ht.	B&B, Staked
P	45	Euonymus alatus compactus	Compact Winged Euonymus	2'-2 1/2' Ht.	B&B, Staked
Q	65	Ilex crenata "Helleri"	Heller Japanese Holly	2'-3' Ht.	Cont., Butterfly
R	80	Ilex crenata "Burford"	Burford Chinese Holly	3'-4' Ht.	Cont., Butterfly
S	100	Pinus mugo var. mugo	Mugo Pine	21/2-3' Sprd.	Cont., Butterfly
	100	Viburnum dilatatum	Linden Viburnum	4'-5' Ht.	Cont., Butterfly



○ BUTTERFLY DETAIL FOR POT BOUND PLANTS  
NO SCALE

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

*[Signature]* 2/21/88  
DIRECTOR

*[Signature]* 2-10-88  
CHIEF BUREAU OF ENGINEERING

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

*[Signature]* 2-21-88  
DIRECTOR

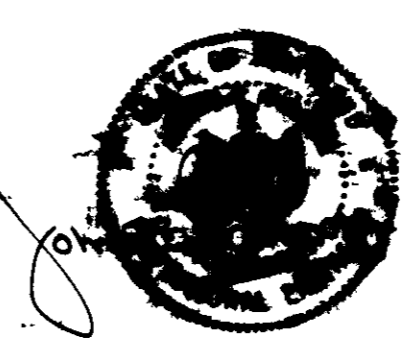
*[Signature]* 2-21-88  
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

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

*[Signature]* 2-14-88  
COUNTY HEALTH OFFICER

APPROVED

DATE 8-29-88



Drafting	DATE	REVISIONS
Check GEF		
Design GEF		
Check GEF		

**KIDDE CONSULTANTS, INC.**  
ENGINEERS • PLANNERS • SURVEYORS  
1100 WEST STREET / SUITE 100 / LAUREL, MD 20707  
(301) 251-1000

**OWNER**  
NEWMISS LTD. PARTNERSHIP  
6615 REGISTERTOWN RD  
BALTIMORE MD 21215

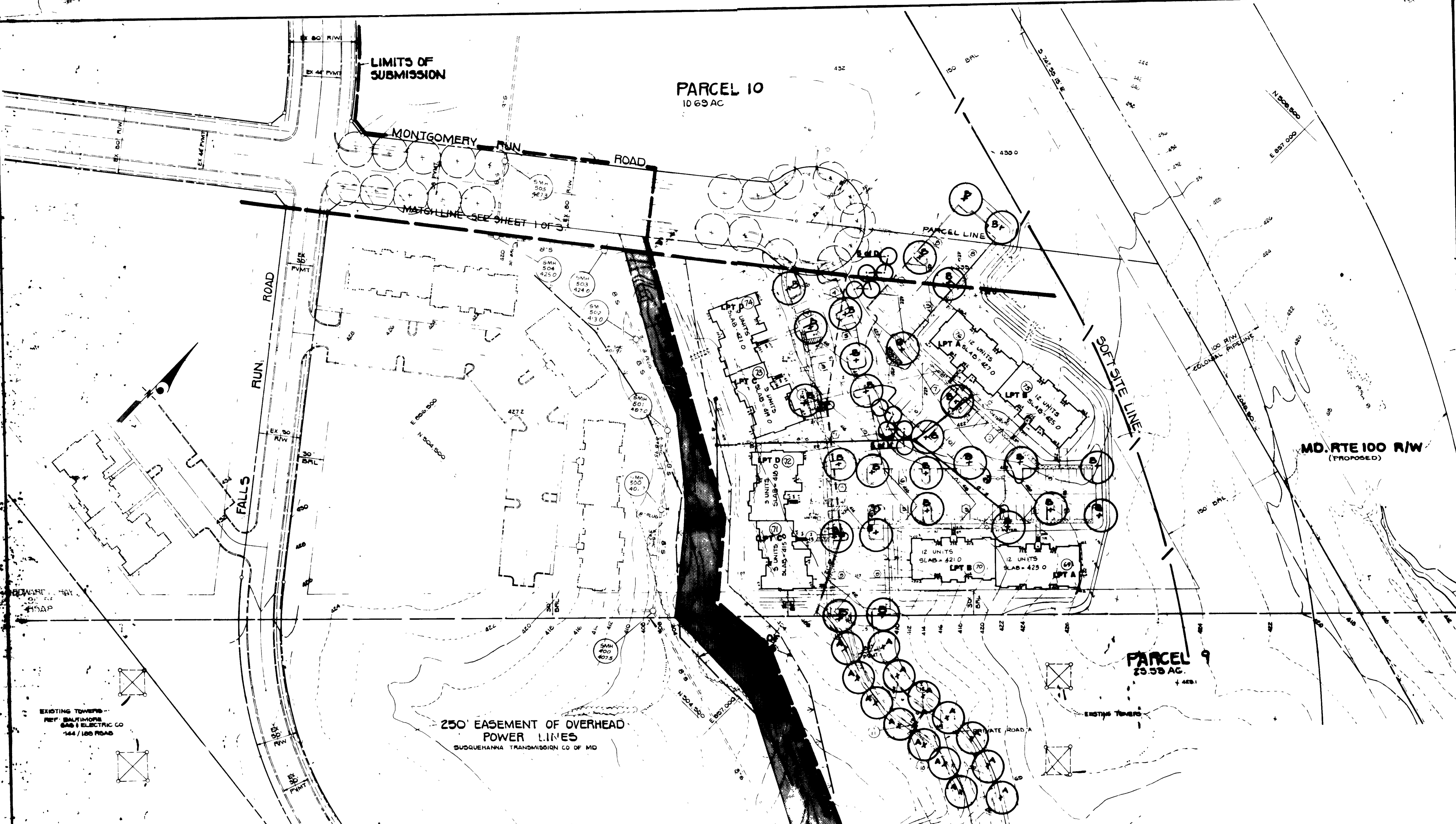
**CONSTRUCTION NOTES & DETAILS**

**LANDSCAPE PLAN**

**VILLAGE OF MONTGOMERY RUN AREA 2**  
TAX MAP 31&37 PARCELS 1&J PAR. I, J, & K  
1st ELECTION DISTRICT HOWARD COUNTY MD.

SHEET 9 OF 21  
DATE MAY 1988  
SCALE NO SCALE  
JOB NUMBER 168436  
55P-88-218





EXISTING TOWERS  
REF. BALTIMORE  
GAS & ELECTRIC CO  
144 / 180 ROAD

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

MATCH LINE  
SEE SHT 3 OF 3

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
DATE: 2-21-89

MATCH LINE  
SEE SHT 3 OF 3

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
DATE: 2-24-89

APPROVED  
DIVISION of  
COMMUNITY PLANNING  
& LAND DEVELOPMENT  
HOWARD COUNTY,  
MARYLAND  
DATE: 2-29-89

OWNER:  
NEWSBIS LTD. PARTNERSHIP  
6615 REISTERSTOWN ROAD  
SUITE 201  
BALTIMORE, MARYLAND 21215

DEVELOPER:  
MACKS & MACKS, INC.  
6615 REISTERSTOWN ROAD  
BALTIMORE, MARYLAND 21215

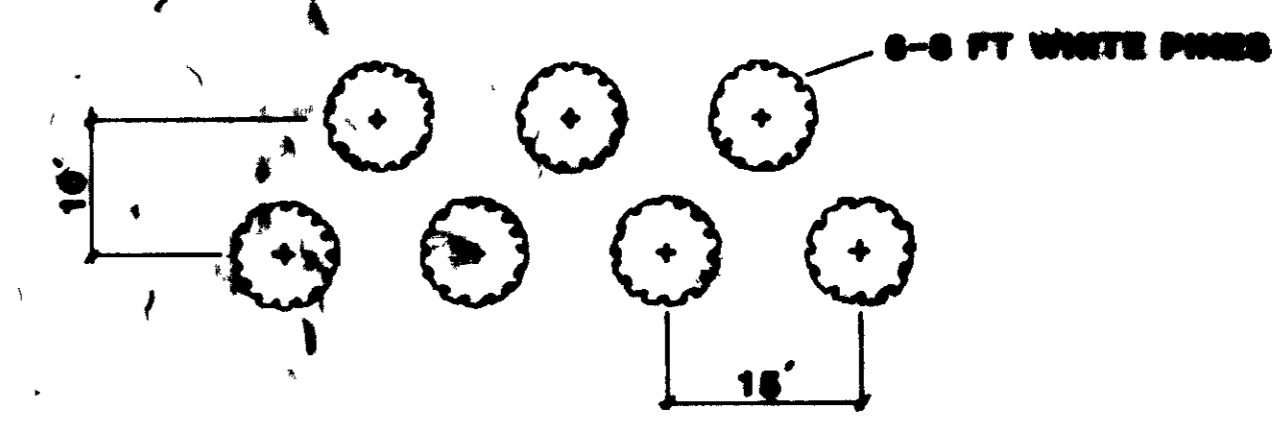
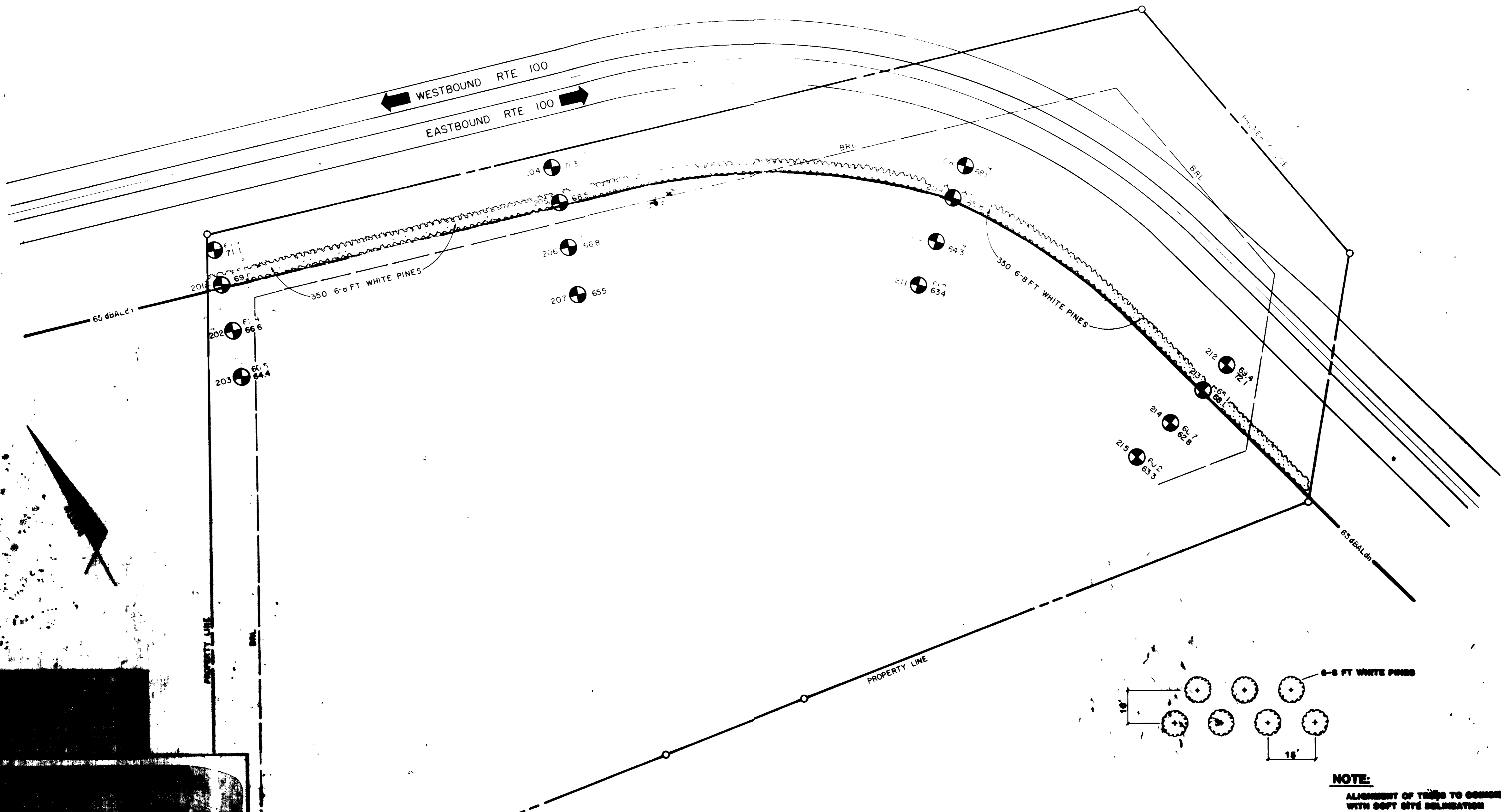
LANDSCAPING PLAN  
SECTION 2 / AREA 2, PAR. C, J, K  
VILLAGE OF MONTGOMERY RUN  
TAX MAP 31 & 37 PARCELS 180 & 205  
1ST ELECTION DISTRICT HOWARD COUNTY, MD

OWNER'S SEAL: STATE OF MARYLAND

ENGINEER'S SEAL: KEENE CONSULTANTS, INC.  
ENGINEERS • PLANNERS • SURVEYORS  
1100 WEST SYDNEY / SUITE 100 / LAUREL, MD 20786  
(301) 941-1511 / (703) 941-1511  
SHEET 11 OF 21

DATE: APRIL 1989 SCALE: 1" = 20'





**NOTE:**  
ALIGNMENT OF TREES TO CONSIDER WITH SOFT SITE DELINEATION

**APPROVED**  
DIVISION of  
COMMUNITY PLANNING  
& LAND DEVELOPMENT  
HOWARD COUNTY,  
MARYLAND  
DATE: 8-22-87



**OWNER:**  
VILLAGE OF MONTGOMERY RUN  
2000 HENDERSON RD  
SUITE 201  
BALTIMORE, MD 21218  
(301) 550-4004

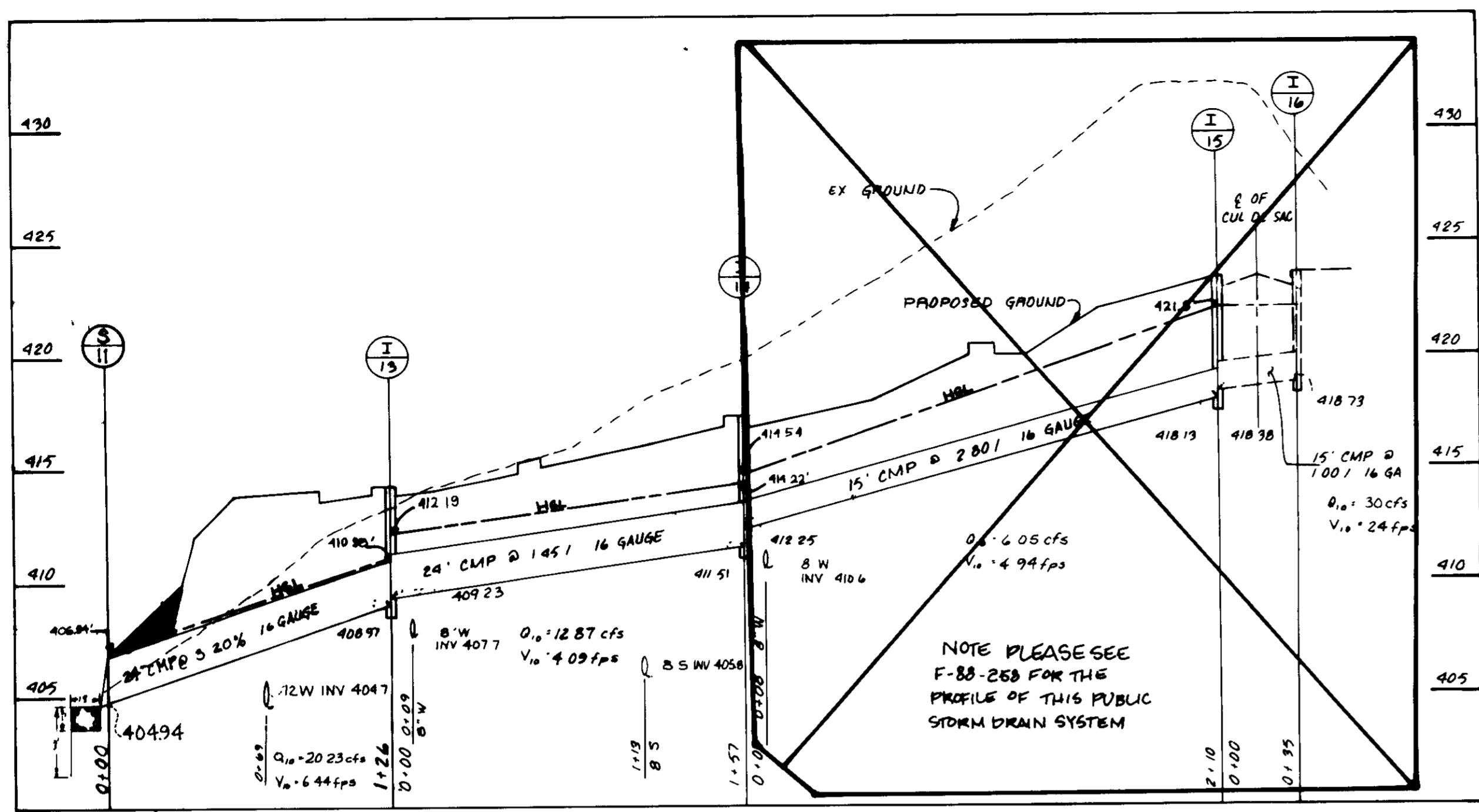
Note 1) Property line from preliminary plan, sealed 9/5/86  
2) Rte 100 from alignment from tentative MSHA plan dated August 19, 1987

**VILLAGE OF MONTGOMERY RUN**

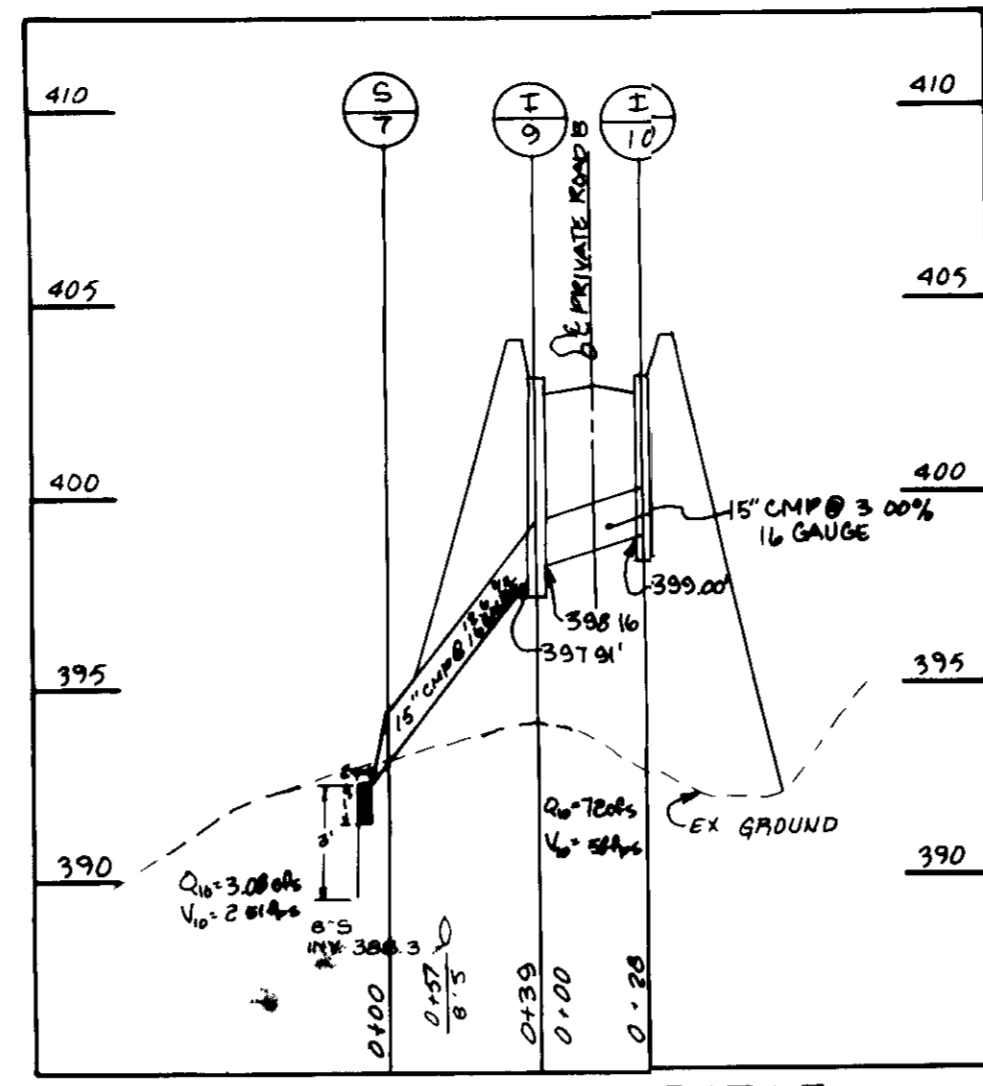
SESSION 1, AREA 2, PAR. I, J, K  
200 001 & 02 PARCEL 100 & 200  
HOWARD COUNTY, MD

LEGEND	
200	db-Ldn - 7-ft Site
⊕	dBALdn - Hard Site
⊗	6-8 FT WHITE PINES

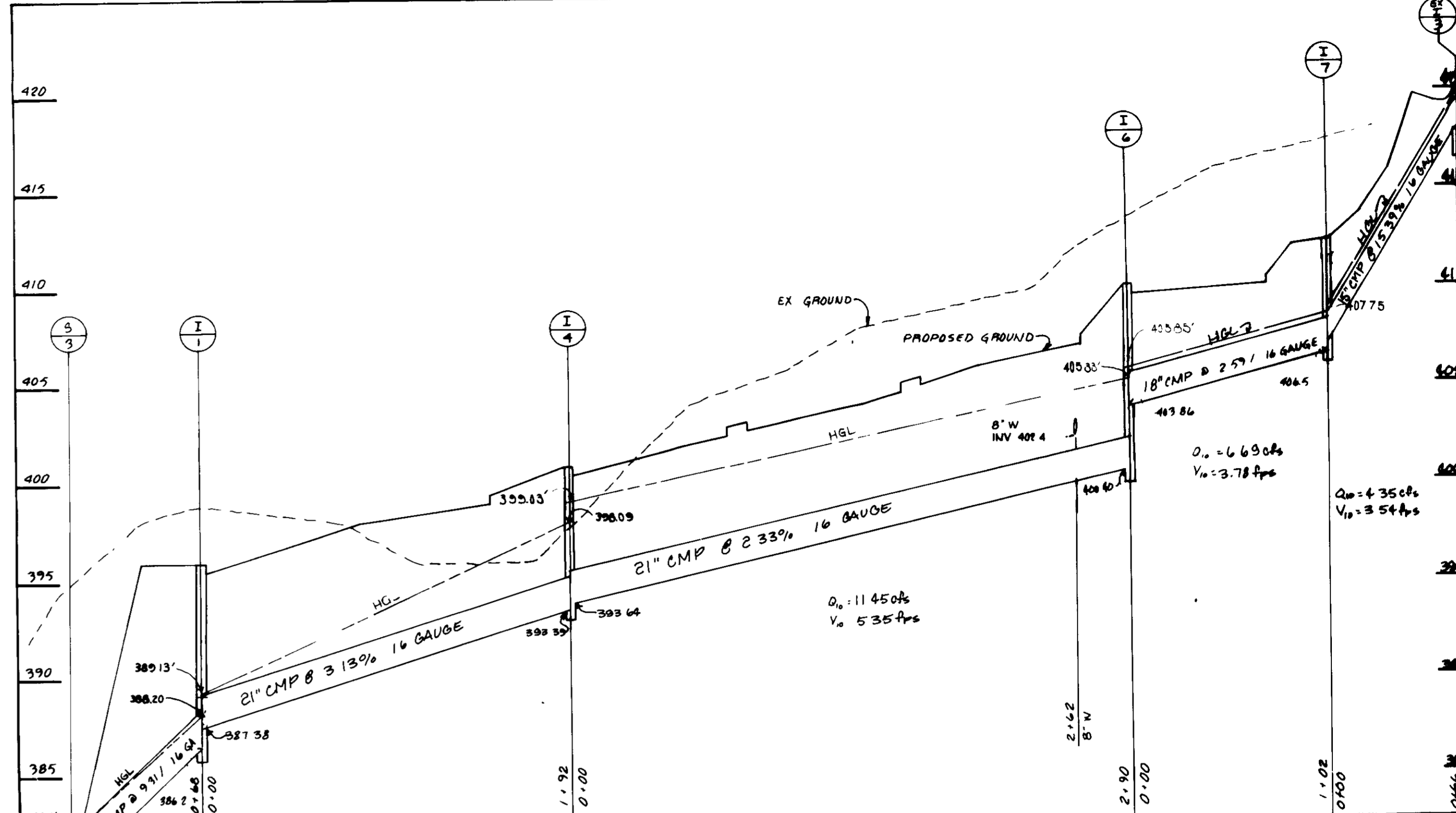
V. of M.R. LANDSCAPING & NOISE ANALYSIS	
<b>65 dBALdn CONTOUR LINES SHOWING BOTH HARD SITE AND SOFT SITE ANALYSIS</b>	
AUGUST 25, 1987	SCALE: 1" = 100'



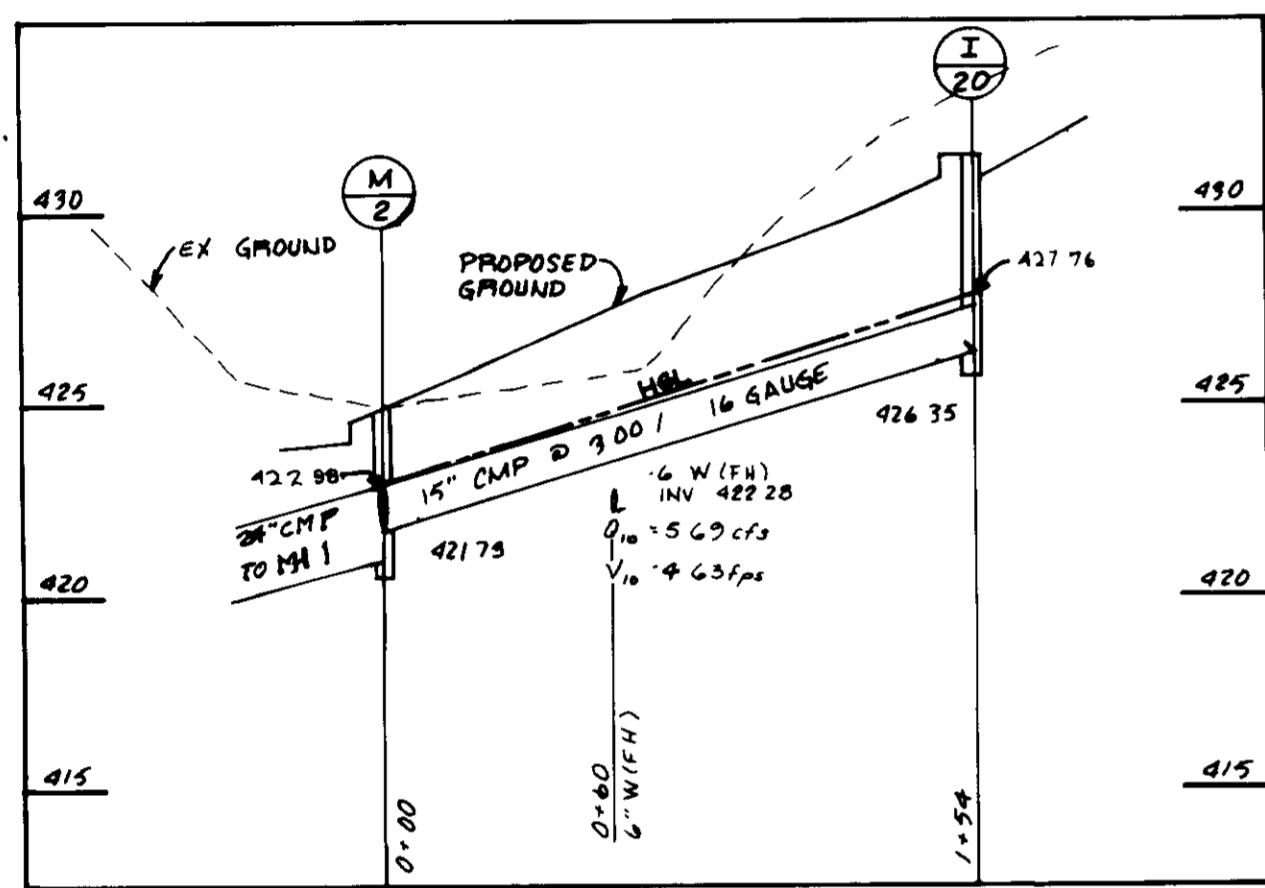
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VERT 1" = 5'



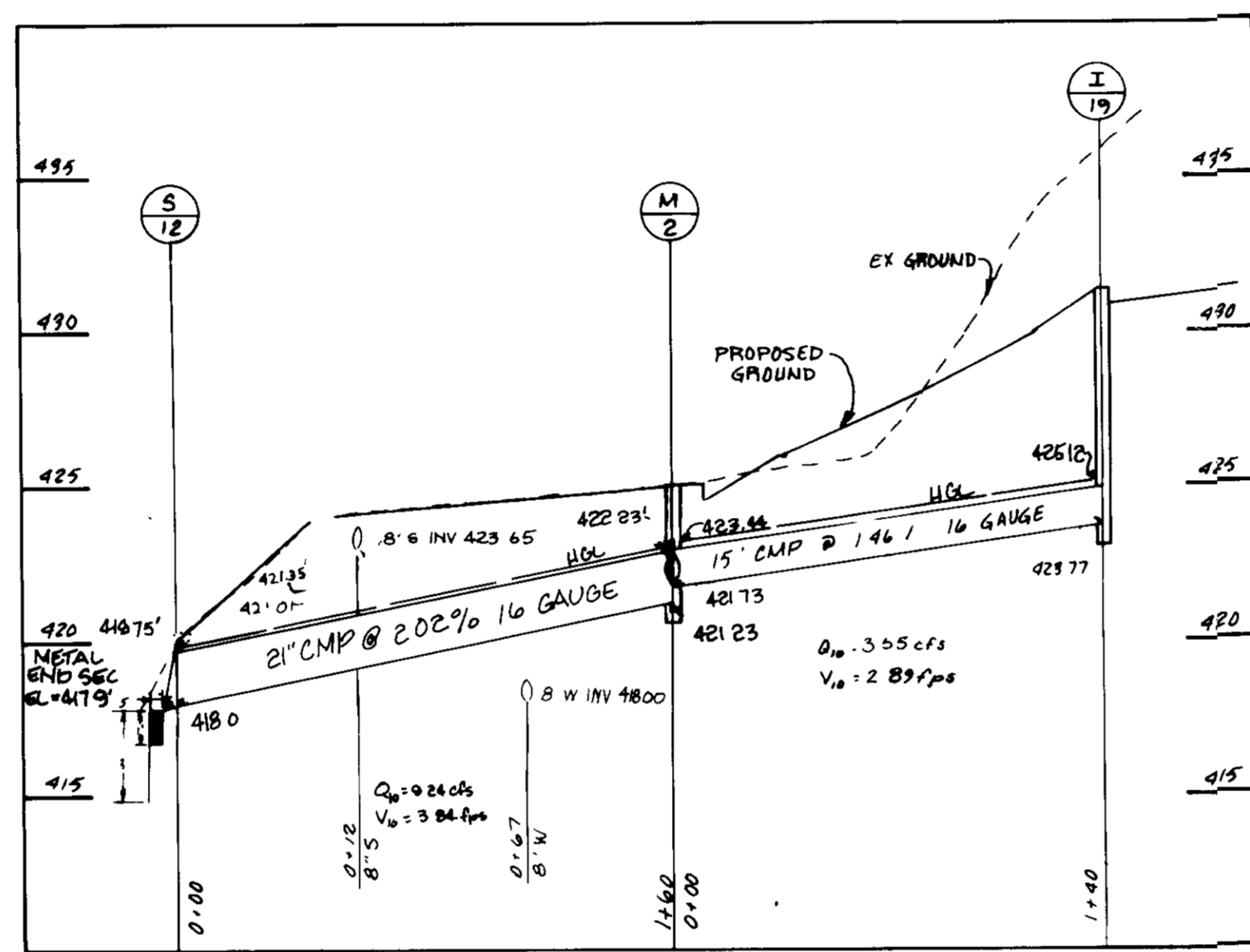
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VERT 1" = 5'



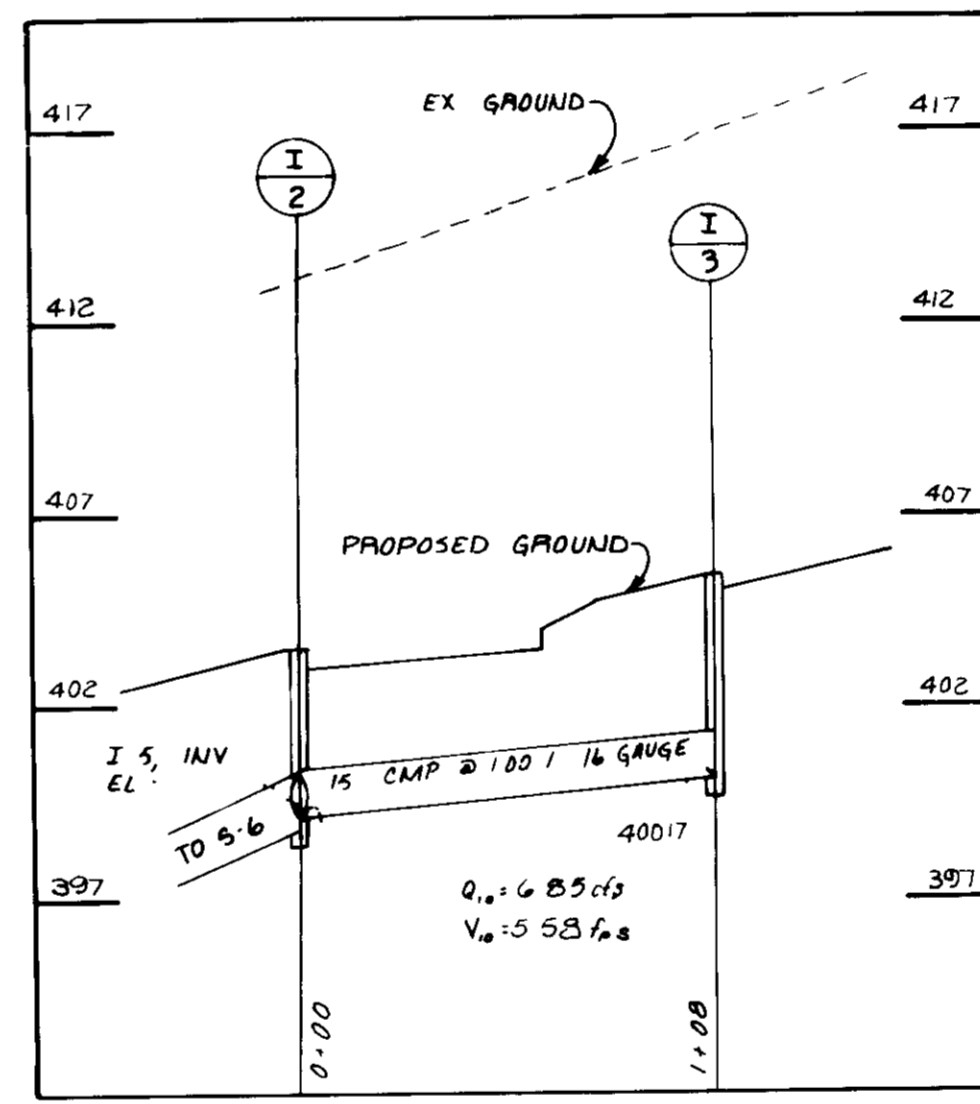
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VERT 1" = 5'



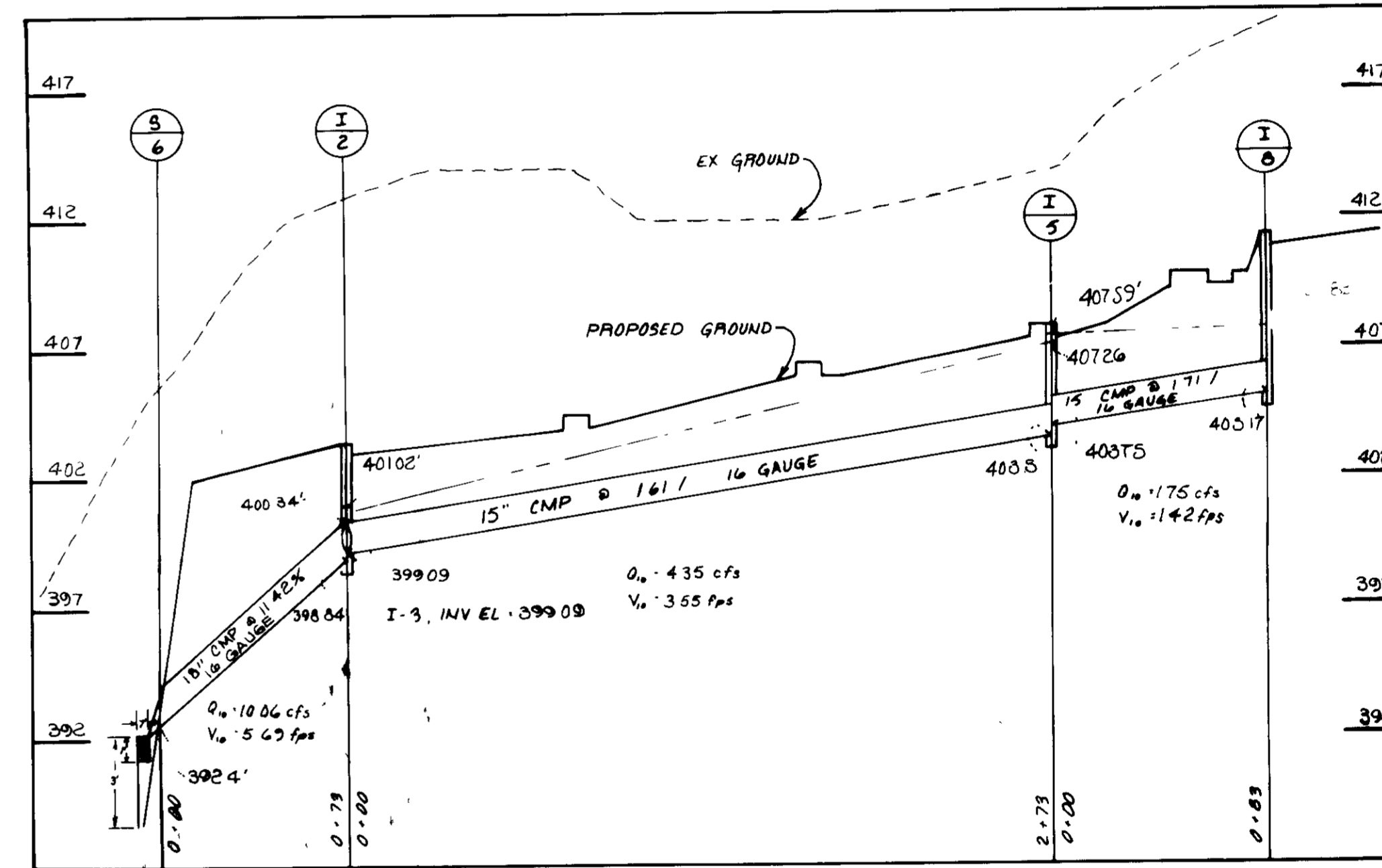
STORM DRAIN PROFILE  
SCALE HORIZ 1" = 50'  
VERT 1" = 5'



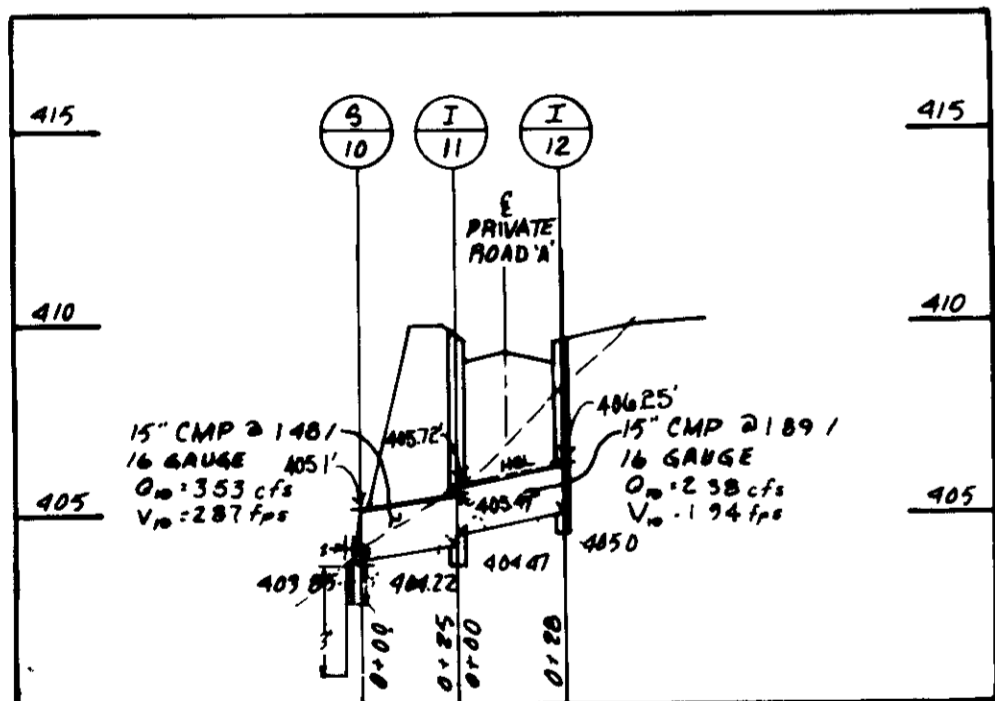
STORM DRAIN PROFILE  
SCALE HORIZ 1" = 50'  
VERT 1" = 5'



STORM DRAIN PROFILE  
SCALE HORIZ 1" = 50'  
VERT 1" = 5'



STORM DRAIN PROFILE  
SCALE HORIZ 1" = 50'  
VERT 1" = 5'



STORM DRAIN PROFILE  
SCALE HORIZ 1" = 50'  
VERT 1" = 5'

APPROVED  
DIVISION OF  
COMMUNITY PLANNING  
& LAND DEVELOPMENT  
HOWARD COUNTY,  
MARYLAND  
DATE 8-29-88

OWNER:  
NEWMBS LTD. PARTNERSHIP  
6615 REISTERSTOWN RD  
SUITE 201  
BALTIMORE, MD 21215  
(301) 388-4934

DEVELOPER:  
MACKS & MACKS  
6615 REISTERSTOWN RD  
SUITE 205  
BALTIMORE, MD 21215  
(301) 388-4934

VILLAGE OF MONTGOMERY RUN  
SECTION 1, AREA 2, PAR. I, J, K  
TAX MAP 31 & 37 PARCEL 108 & 288  
1ST ELECTION DISTRICT HOWARD COUNTY, MD

\*REVISED STORM DRAIN PROFILES 3/20/89 BY P.R.Z.

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
DATE 2-21-89  
DIRECTOR

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DATE 2/16/89  
DIRECTOR

REVIEWED FOR HOWARD SOIL CONSERVATION  
AND MEETS TECHNICAL REQUIREMENTS  
DATE 2/16/89  
U.S. SOIL CONSERVATION SERVICE

ENGINEERS CERTIFICATE  
"I CERTIFY THAT THIS PLAN FOR EROSION & 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"

DEVELOPERS CERTIFICATE  
"I/WE CERTIFY THAT ALL DEVELOPMENT & 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 & EROSION BEFORE  
BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE  
INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT"

**KIDDE CONSULTANTS, INC.**  
ENGINEERS • PLANNERS • SURVEYORS  
1101 WEST STREET / SUITE 100 / LAUREL MD 20707  
(Wash.) (301) 953-1821 / 792-8086 (B.N.H.)  
SHEET 14 OF 21  
DATE APRIL 1988 SCALE AS SHOWN

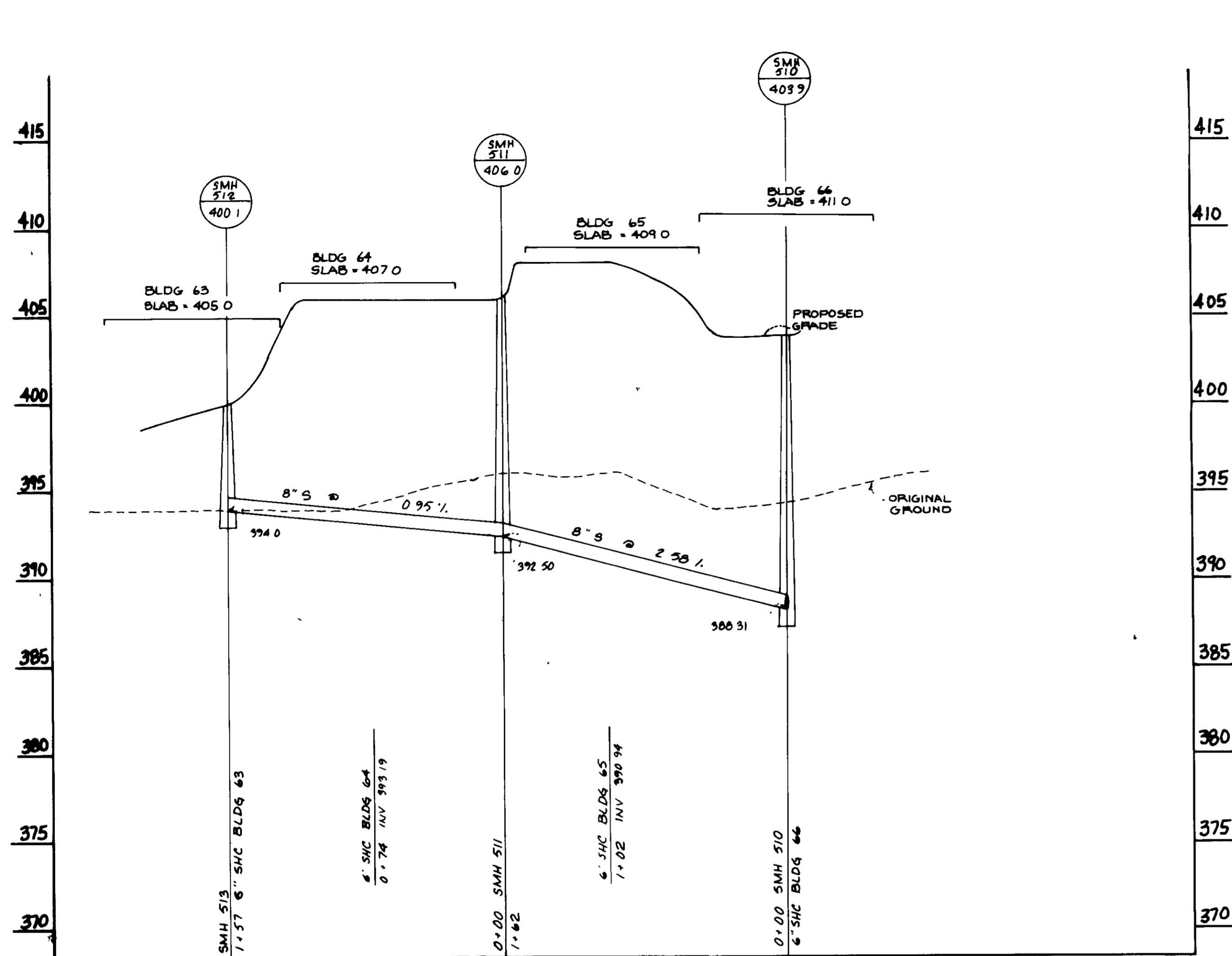
DATE	REVISION

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
DATE 2-14-89  
CHIEF HEALTH OFFICER

THIS DEVELOPMENT PLAN IS APPROVED FOR  
SOIL EROSION & SEDIMENT CONTROL BY THE  
HOWARD SOIL CONSERVATION DISTRICT  
DATE 2/13/89  
HOWARD SOIL CONSERVATION DISTRICT

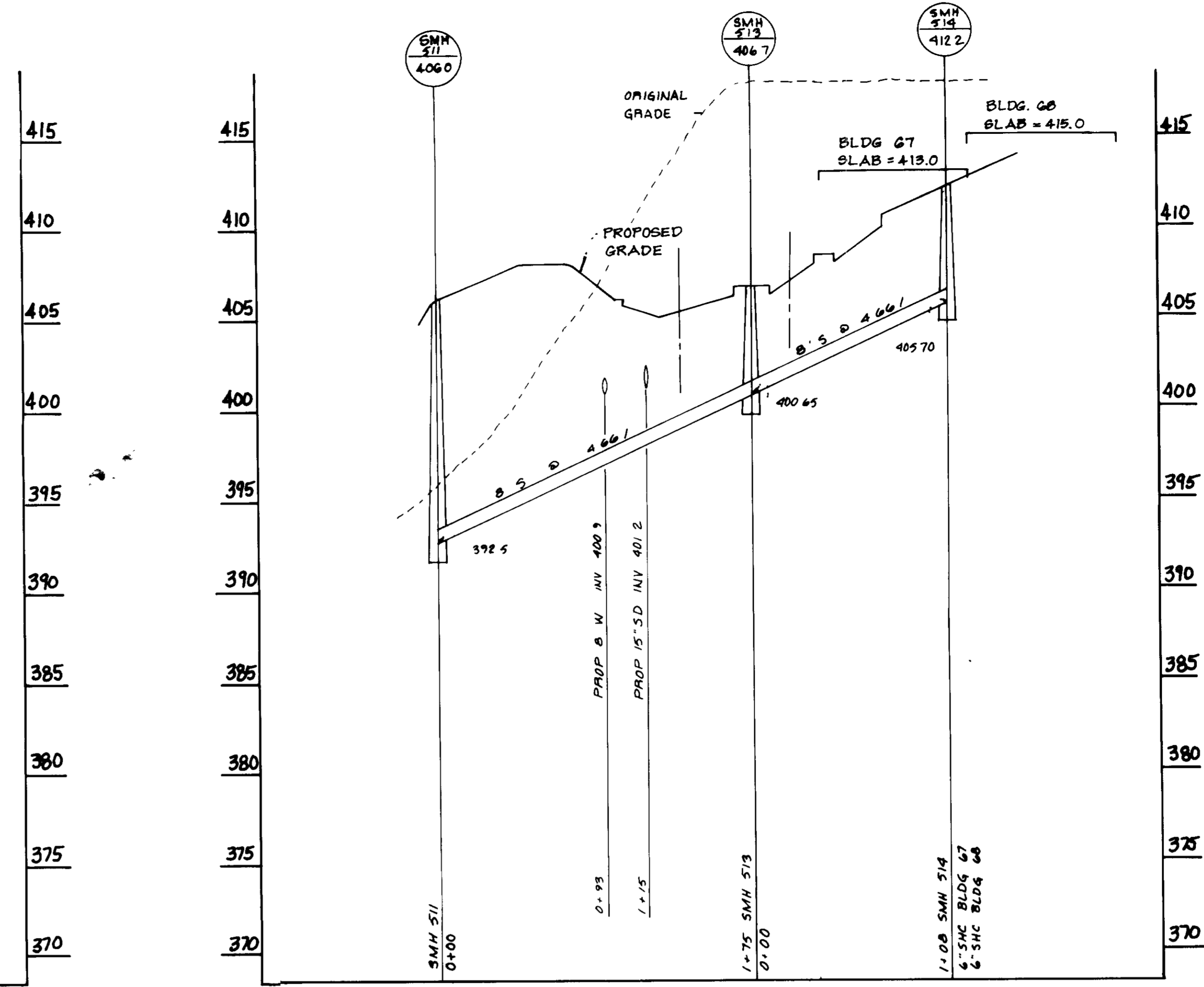
ENGINEERS SIGNATURE  
DATE 9/20/88

DEVELOPERS SIGNATURE  
DATE 9/20/88



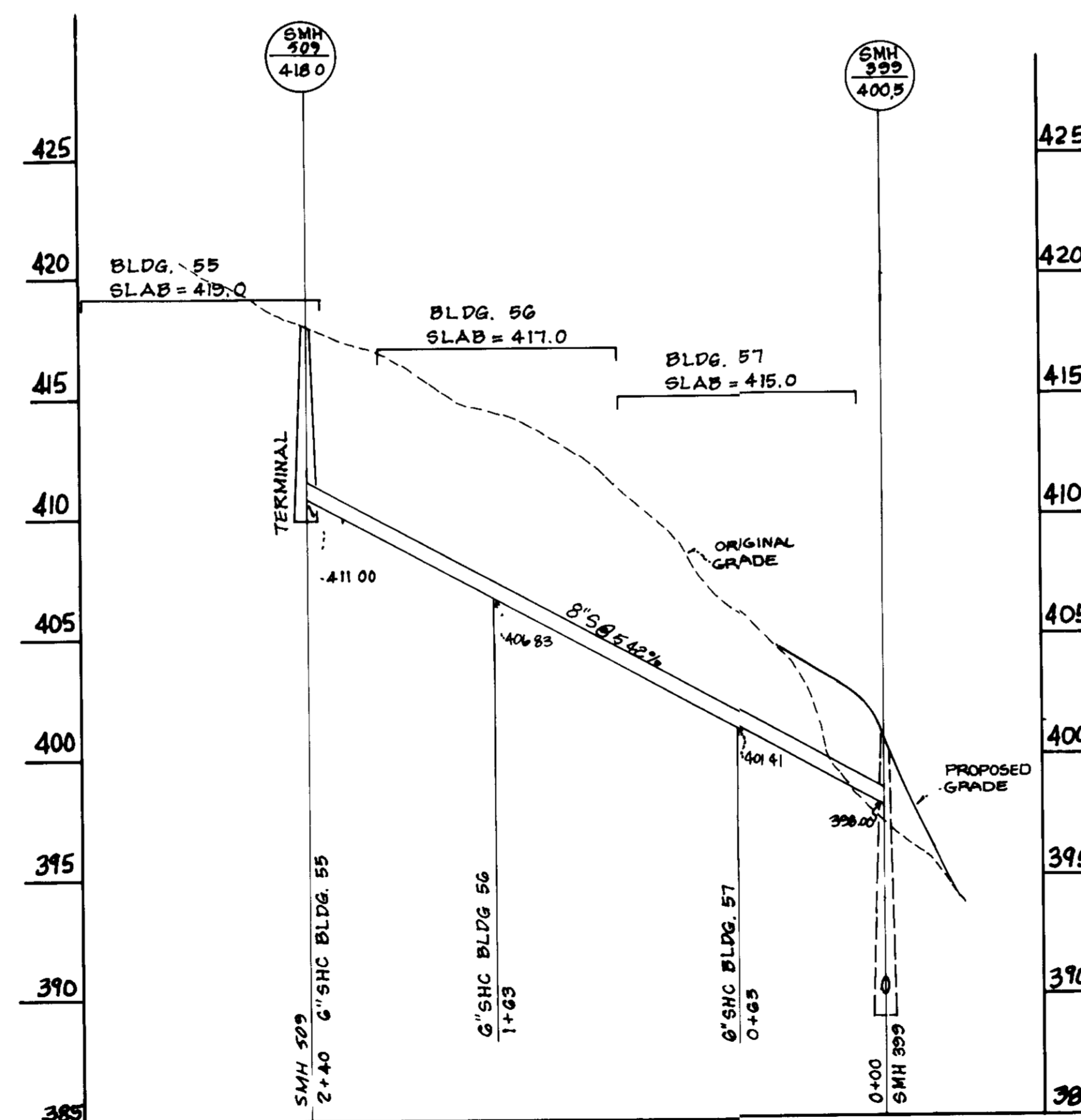
PRIVATE SEWER PROFILE

SCALE HORIZ 1"=50'  
VERT 1"=6'



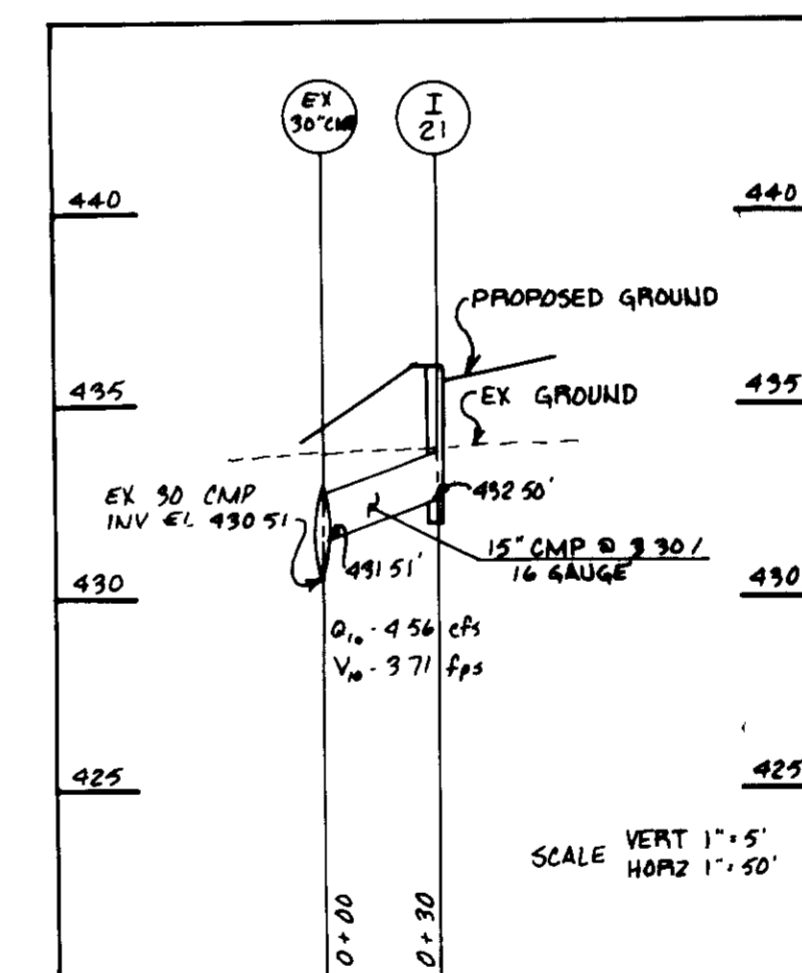
PRIVATE SEWER PROFILE

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

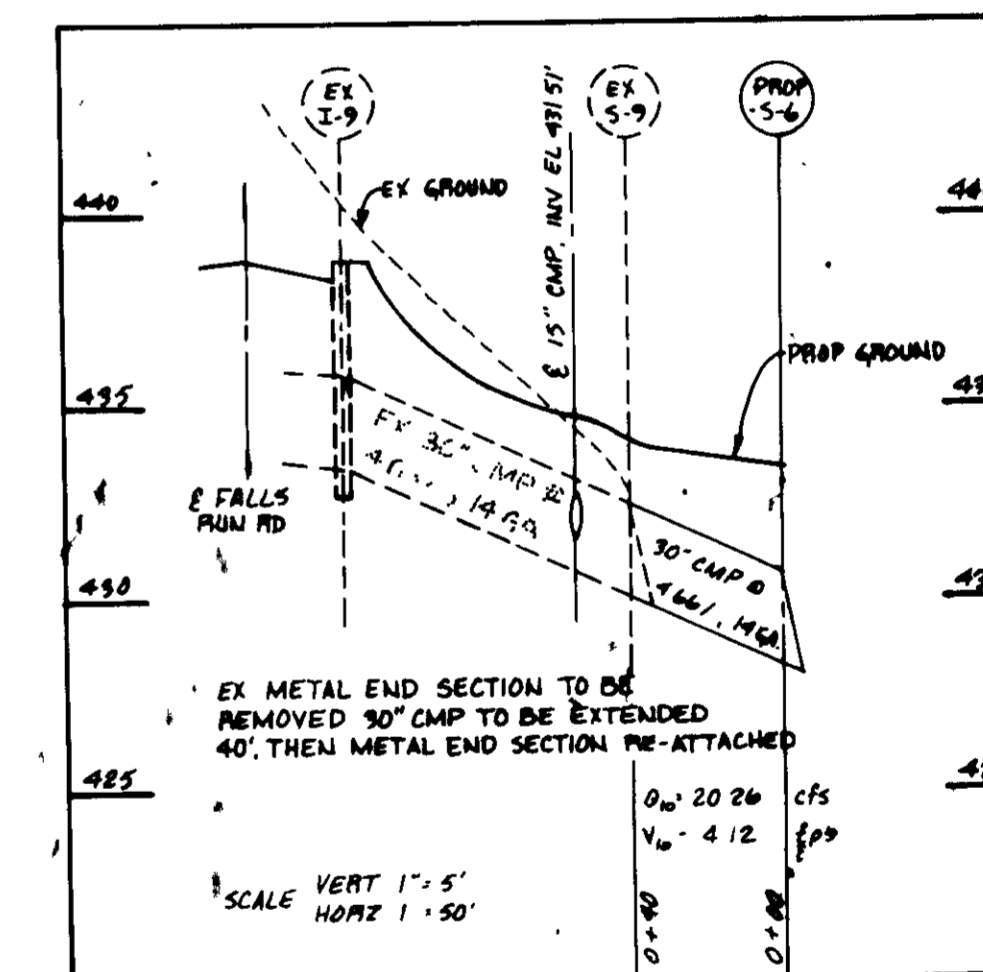


PRIVATE SEWER PROFILE

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



PROFILE FROM I-21 TO EX 30" CMP



PROFILE FROM EX I-9 TO PROP S-6

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
 DIRECTOR: [Signature] DATE: 2-21-89  
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT  
 DATE: 2-22-89  
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER: [Signature] DATE: 2-14-89

APPROVED  
 DIVISION of COMMUNITY PLANNING & LAND DEVELOPMENT  
 HOWARD COUNTY, MARYLAND  
 DATE: 2-29-88

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR: [Signature] DATE: 2/10/89  
 CHIEF BUREAU OF ENGINEERING: [Signature] DATE: 2-10-89

VILLAGE OF MONTGOMERY RUN

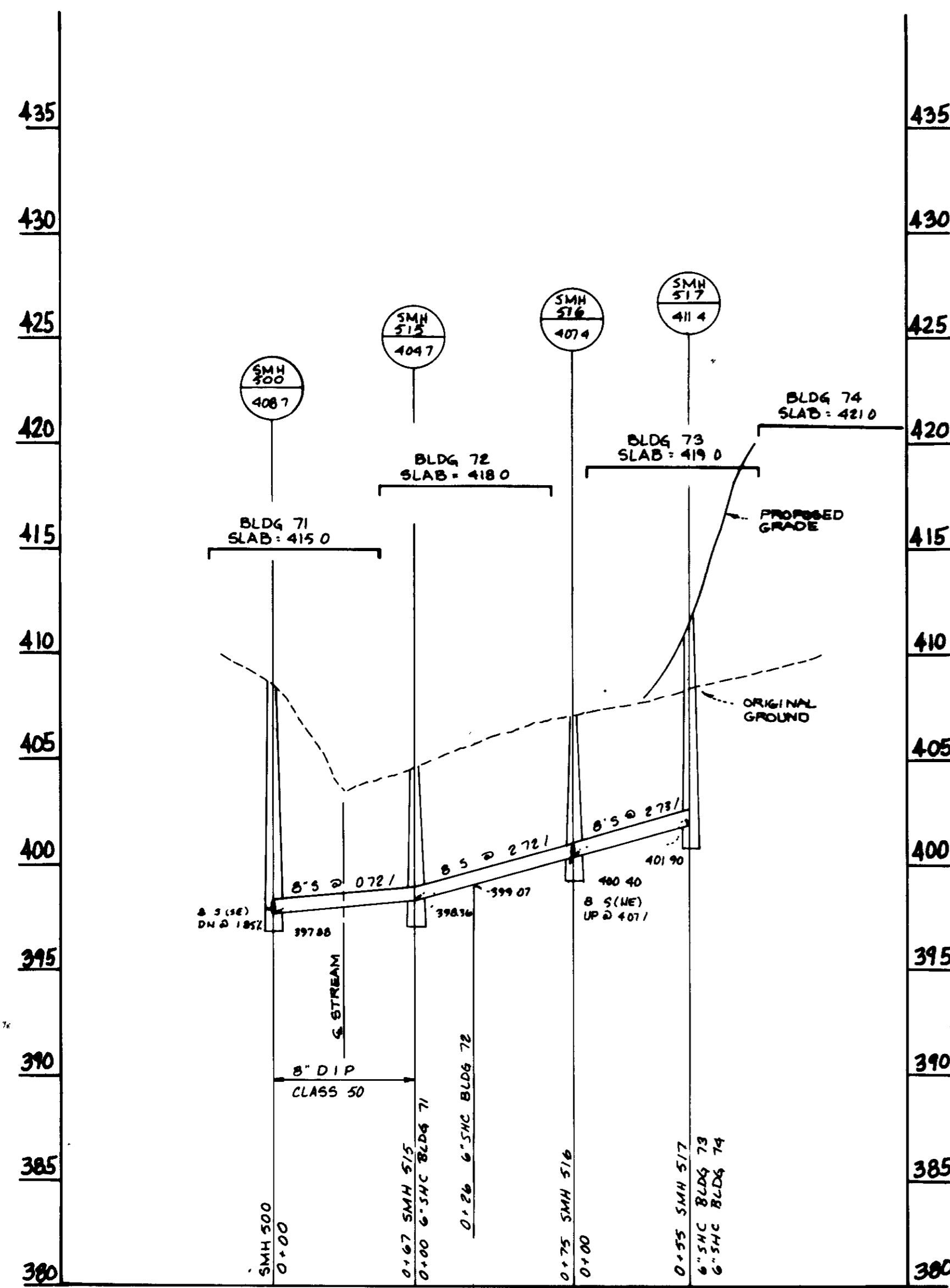
SECTION 1, AREA 2, PAR. I, J & K  
 TAX MAP 31 & 37 PARCEL 108 & 285  
 1ST ELECTION DISTRICT HOWARD COUNTY, MD

OWNER:  
 NEWMISS LTD. PARTNERSHIP  
 6615 REISTERSTOWN RD  
 SUITE 201  
 BALTIMORE, MD 21215  
 (301) 358-4934

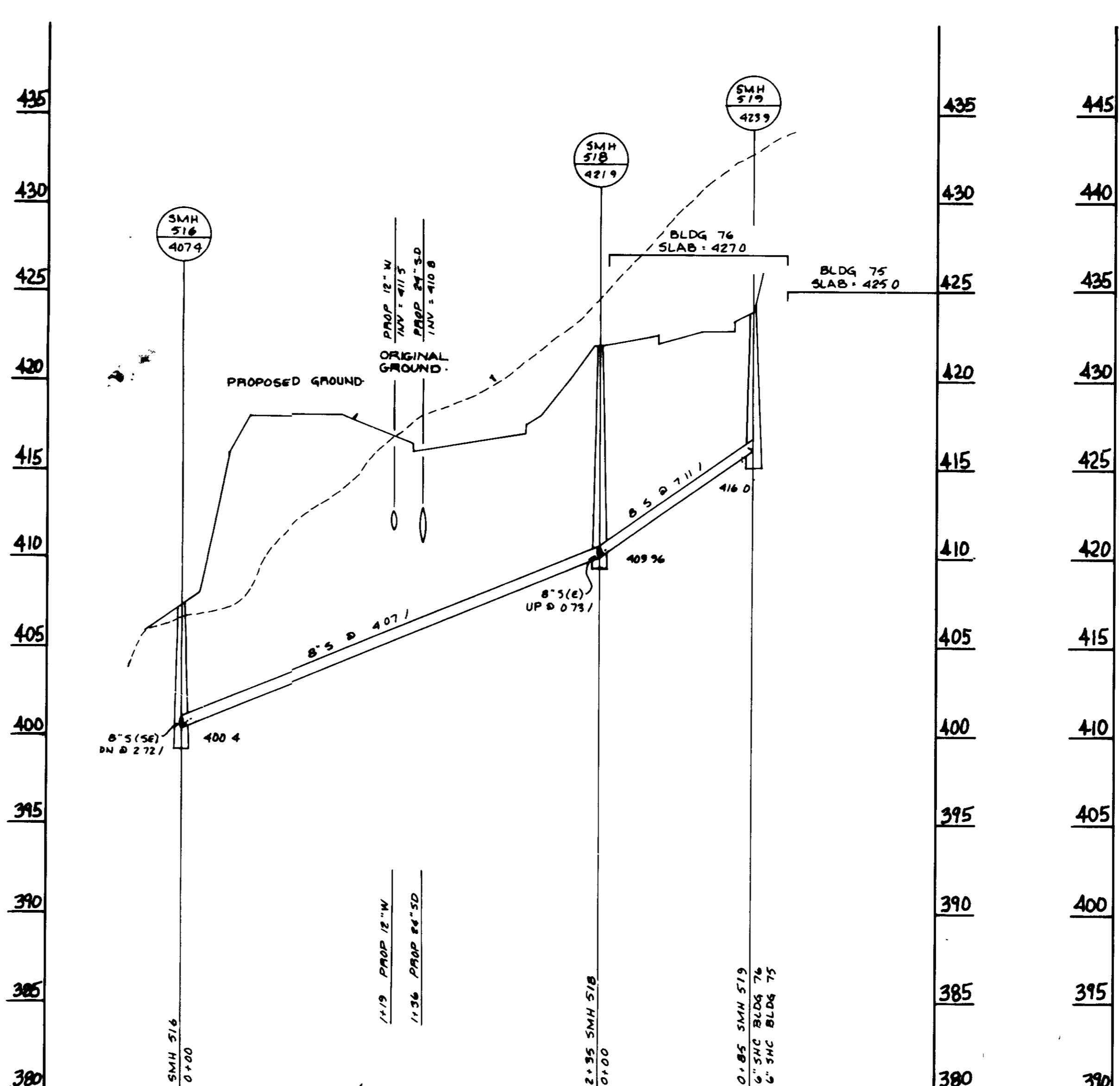
DEVELOPER:  
 MACKS & MACKS  
 6615 REISTERSTOWN RD  
 SUITE 205  
 BALTIMORE, MD 21215  
 (301) 358-4934

**KIDDE CONSULTANTS, INC.**  
 ENGINEERS • PLANNERS • SURVEYORS  
 1100 WEST STREET, SUITE 100, LAUREL, MD 20707  
 WASH. MET. 953 1821 792-8086 (B&H)  
 DATE: APRIL 1988 SCALE AS SHOWN  
 SHEET 15 OF 21  
 Drwg No 15 of 21

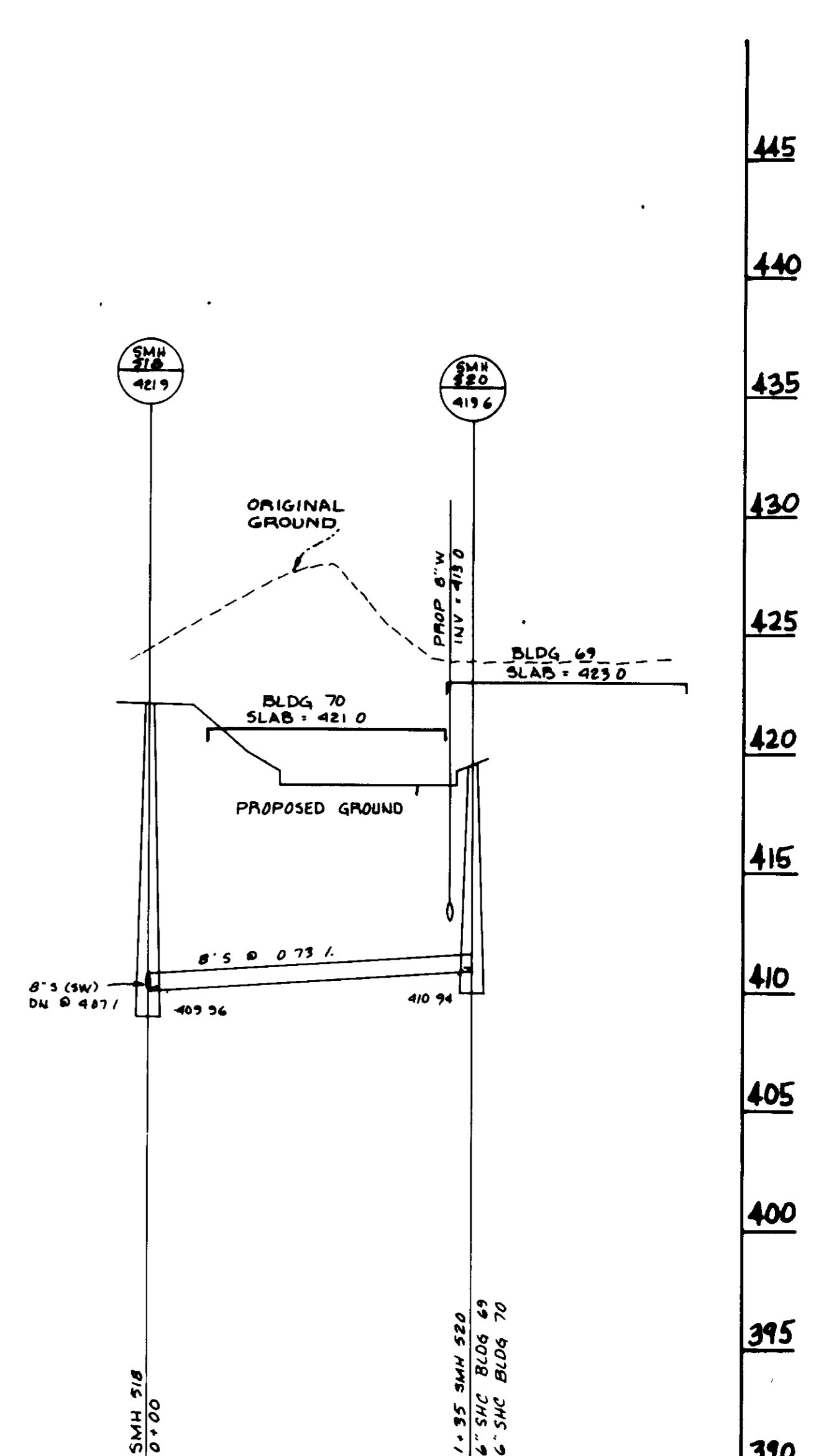
\* REVISIONED SEWER PROFILE 3/29/89 BY P.R.Z



**PUBLIC & PRIVATE SEWER PROFILE**  
SCALE HORIZ. 1" = 50'  
VERT. 1" = 5'



**PRIVATE SEWER PROFILE**  
SCALE HORIZ. 1" = 50'  
VERT. 1" = 5'



**PRIVATE SEWER PROFILE**  
SCALE HORIZ. 1" = 50'  
VERT. 1" = 5'

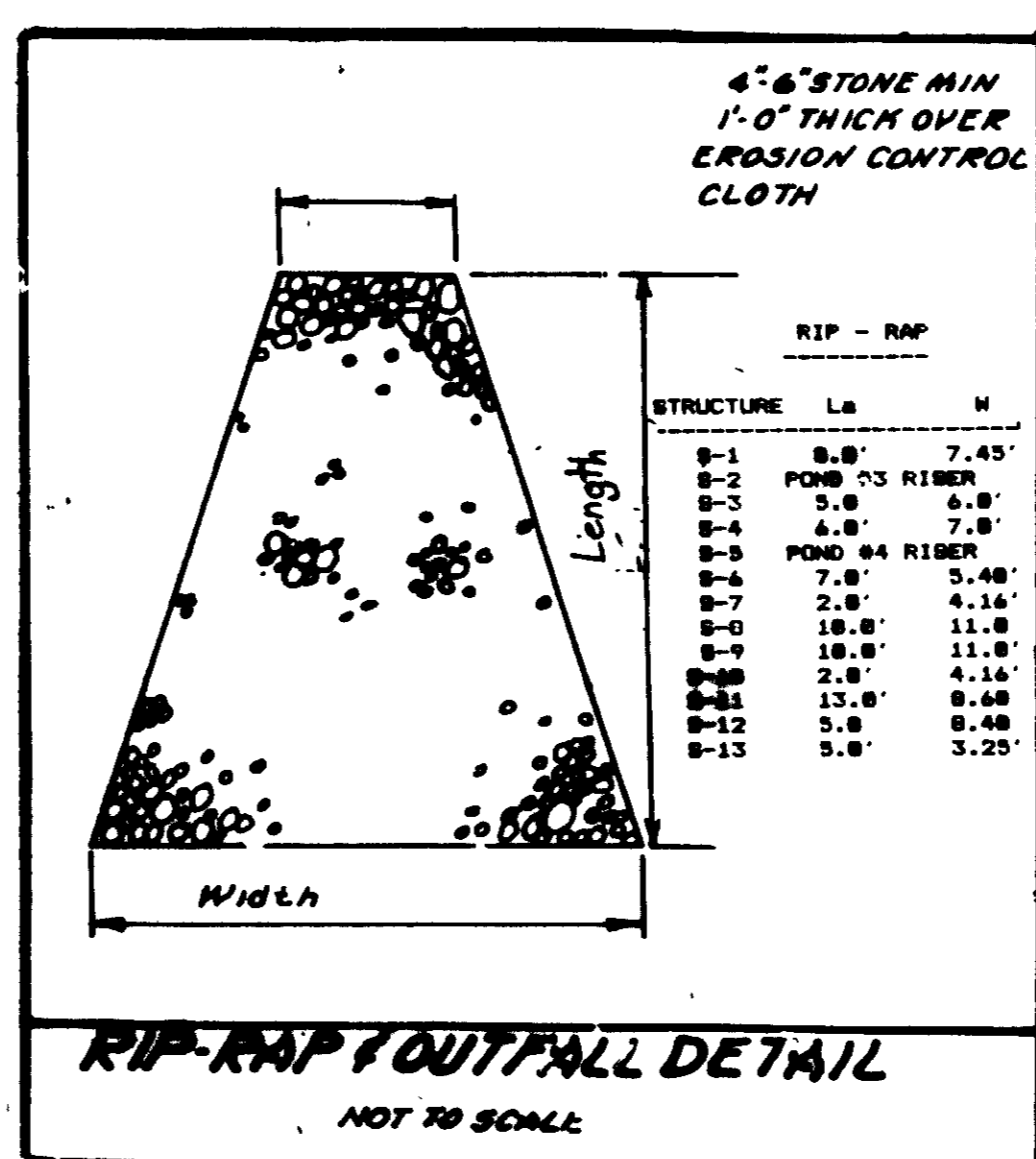
**APPROVED**  
DIVISION of  
COMMUNITY PLANNING  
& LAND DEVELOPMENT  
HOWARD COUNTY,  
MARYLAND  
DATE 8-27-88

PRIVATE DRAINAGE STRUCTURE SCHEDULE

NO.	TYPE	INV. IN	INV. OUT	TOP ELEV.	REMARKS
1-1	A-5 W/DEF	398.33	386.33	396.00	NO. CO. STD DETAIL(S)
1-2	A-18 W/DEF	397.89	396.84	401.50	NO. CO. STD DETAIL(S)
1-3	A-5 W/DEF	398.17	398.17	403.50	NO. CO. STD DETAIL(S)
1-4	A-18 W/DEF	396.84	396.59	401.00	NO. CO. STD DETAIL(S)
1-5	A-5 W/DEF	401.75	401.50	406.00	NO. CO. STD DETAIL(S)
1-6	A-5	403.86	403.61	410.00	NO. CO. STD DETAIL(S)
1-7	A-5 W/DEF	-----	406.30	411.50	NO. CO. STD DETAIL(S)
1-8	A-5 W/DEF	-----	403.17	409.50	NO. CO. STD DETAIL(S)
1-9	A-5	401.75	400.00	407.50	NO. CO. STD DETAIL(S)
1-10	A-5	-----	402.25	407.50	NO. CO. STD DETAIL(S)
1-11	A-5 W/DEF	404.47	404.22	409.50	NO. CO. STD DETAIL(S)
1-12	A-5 W/DEF	-----	405.00	409.50	NO. CO. STD DETAIL(S)
1-13	A-18 W/DEF	409.23	400.90	414.25	NO. CO. STD DETAIL(S)
1-14	A-18 W/DEF	412.25	411.50	417.25	NO. CO. STD DETAIL(S)
1-15	A-5	410.38	410.13	423.50	NO. CO. STD DETAIL(S)
1-16	A-5	-----	410.73	424.00	NO. CO. STD DETAIL(S)
1-17	A-5	-----	421.09	424.50	NO. CO. STD DETAIL(S)
1-18	A-5	-----	420.42	424.50	NO. CO. STD DETAIL(S)
1-19	A-5 W/DEF	-----	423.77	431.50	NO. CO. STD DETAIL(S)
1-20	A-5 W/DEF	-----	426.37	431.50	NO. CO. STD DETAIL(S)
1-21	A-5 W/DEF	-----	432.50	434.00	NO. CO. STD DETAIL(S)

PRIVATE DRAINAGE STRUCTURE SCHEDULE

NO.	TYPE	INV. IN	INV. OUT	TOP ELEV.	REMARKS
1-1	HANDMADE	419.26	419.01	424.00	NO. CO. STD DETAIL(S)
1-2	HANDMADE	421.73	420.90	425.00	NO. CO. STD DETAIL(S)
1-1	METAL	-----	377.03	-----	NO. CO. STD DETAIL(S)
1-2	RIBBER	-----	-----	381.70	NO. CO. STD DETAIL(S)
1-3	METAL	-----	379.60	-----	NO. CO. STD DETAIL(S)
1-4	METAL	-----	381.04	-----	NO. CO. STD DETAIL(S)
1-5	RIBBER	-----	-----	305.00	NO. CO. STD DETAIL(S)
1-6	METAL	-----	393.50	-----	NO. CO. STD DETAIL(S)
1-7	METAL	-----	392.00	-----	NO. CO. STD DETAIL(S)
1-8	HEADMALL	-----	309.10	-----	SEE DETAIL SHEET OF
1-9	HEADMALL	-----	390.90	-----	SEE DETAIL SHEET OF
1-10	METAL	-----	403.03	-----	NO. CO. STD DETAIL(S)
1-11	METAL	-----	404.94	-----	NO. CO. STD DETAIL(S)
1-12	METAL	-----	410.00	-----	NO. CO. STD DETAIL(S)
1-13	METAL	-----	416.00	-----	NO. CO. STD DETAIL(S)



APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
DIRECTOR [Signature] DATE 2-21-88

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
COUNTY HEALTH OFFICER [Signature] DATE 2-14-88

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROAD  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DIRECTOR [Signature] DATE 2-14-88

APPROVED: CHIEF BUREAU OF ENGINEERING  
[Signature]

OWNER:  
NEWMISS LTD. PARTNERSHIP  
6615 REISTERSTOWN RD  
SUITE 201  
BALTIMORE, MD 21215  
(301) 358-4934

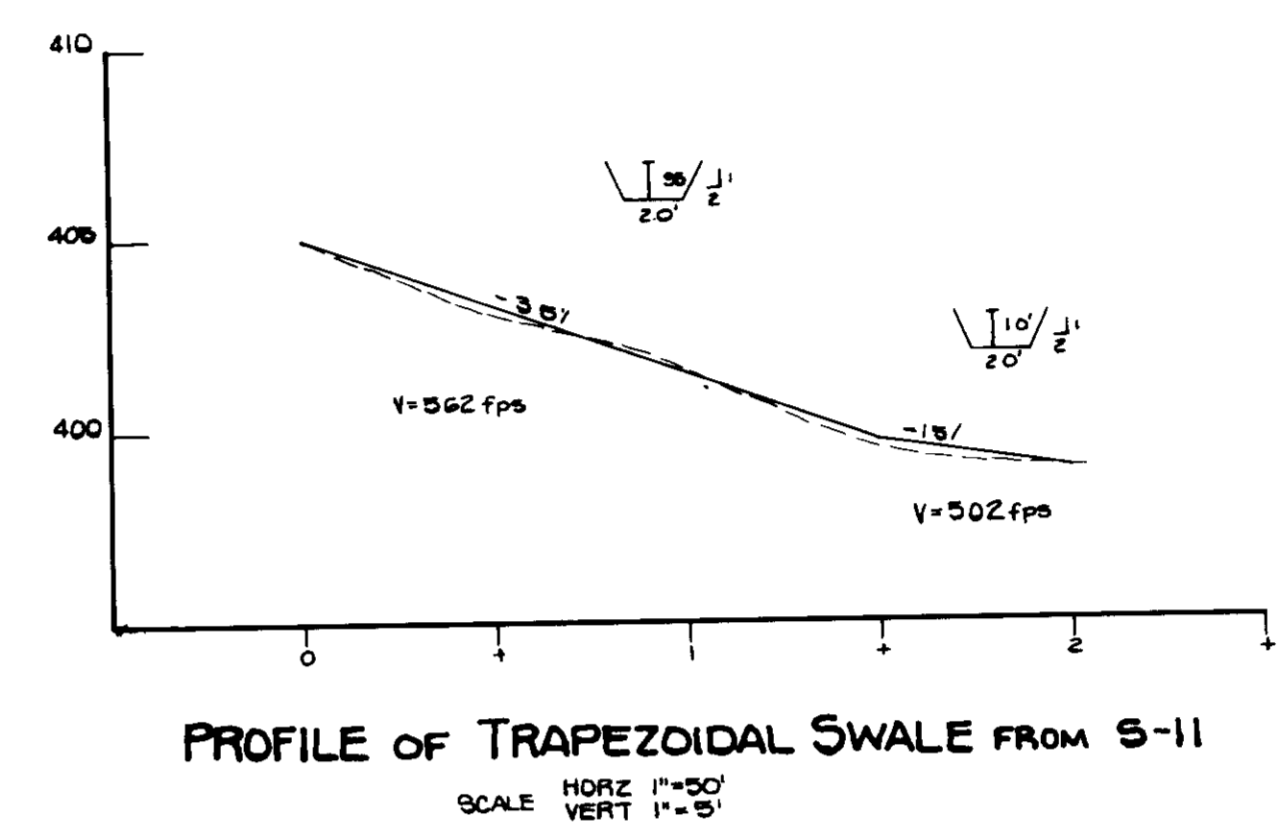
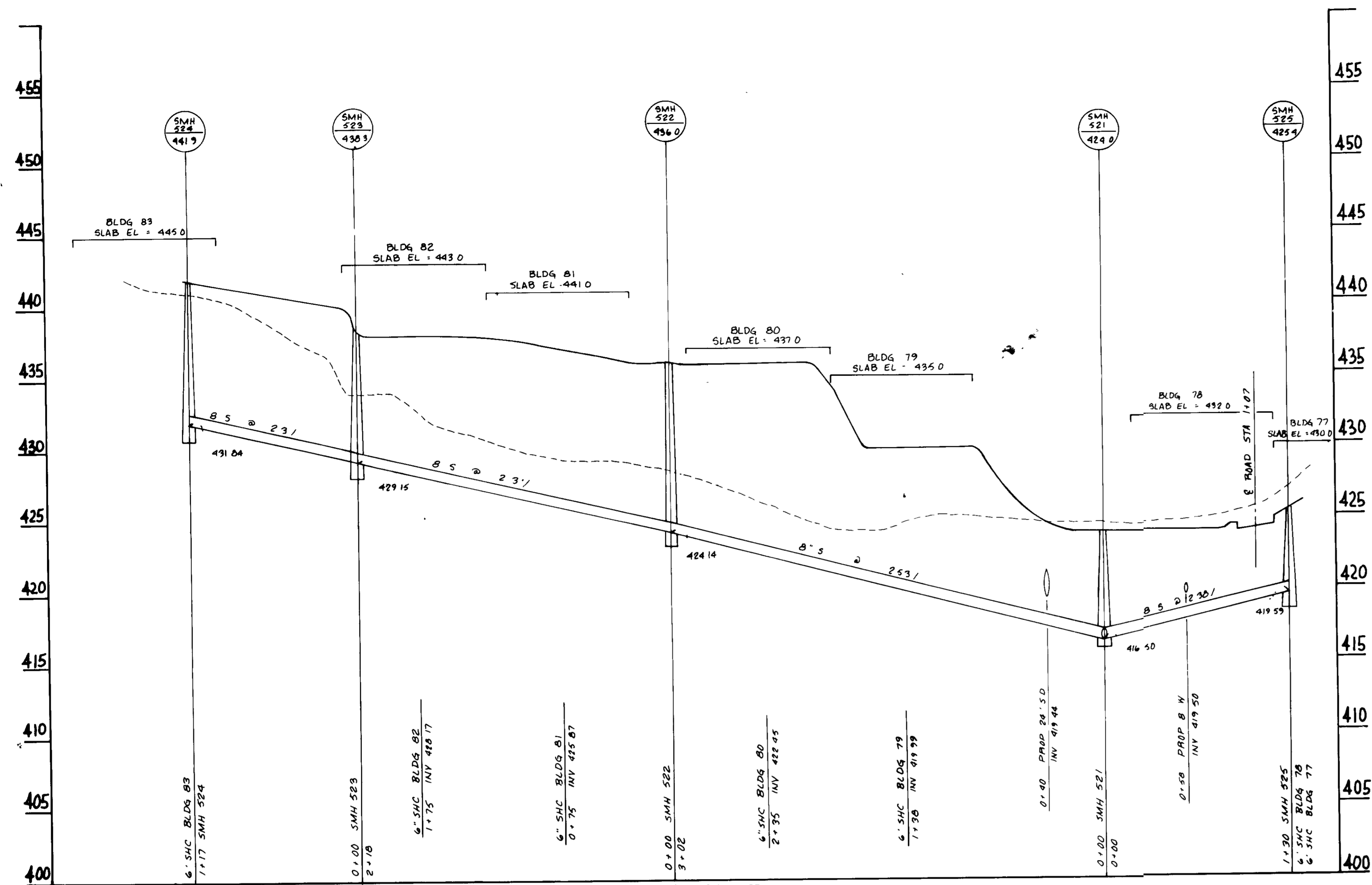
DEVELOPER:  
MACKS & MACKS  
6615 REISTERSTOWN RD  
SUITE 205  
BALTIMORE, MD 21215  
(301) 358-4934

VILLAGE OF MONTGOMERY RUN  
SECTION 1, AREA 2, PAR I, J, K  
TAX MAP 31 & 37 PARCEL 108 & 205  
1ST ELECTION DISTRICT HOWARD COUNTY, MD

**KIDDE CONSULTANTS, INC.**  
ENGINEERS • PLANNERS • SURVEYORS  
100 WEST TREE TRAIL SUITE 100 ALHIE MD  
BALTIMORE, MD 21212-9400

SHEET 16 OF 21  
DATE: 8/27/88 SCALE AS SHOWN  
Drwg No 16 of 21





**GRASSED WATERWAY**

**TRAPEZOIDAL CROSS-SECTION**

**PARABOLIC CROSS-SECTION**

**Construction Specifications**

- All trees, brush, stumps, obstructions, and other objectionable material shall be removed and disposed of so as not to interfere with the proper functioning of the waterway.
- The waterway shall be excavated or shaped to line, grade, and cross section as required to meet the criteria specified herein, and be free of bank projections or other irregularities which will impede normal flow.
- Fills shall be compacted as needed to prevent unequal settlement that would cause damage in the complete waterway.
- All earth removed and not needed in construction shall be spread or disposed of so that it will not interfere with the functioning of the waterway.
- Stabilization shall be done according to the appropriate Standard and Specifications for Vegetative Practices:
  - For design velocities of less than 3.5 ft. per sec., seeding and mulching may be used for the establishment of the vegetation. It is recommended that, when conditions permit, temporary diversions or other means should be used to prevent water from entering the waterway during the establishment of the vegetation.
  - For design velocities of more than 3.5 ft. per sec., the waterway shall be stabilized with sod, with seeding protected by jute or excelsior matting or with seeding and mulching including temporary diversion of the water until the vegetation is established.
- Structural - Vegetative Protection
  - Subsurface drain for base flow shall be constructed as shown on the Standard Drawing and as specified in the Standard and Specifications for Subsurface Drain

Standard Symbol:  $\text{---} \text{---} \text{---}$  GW

U. S. DEPARTMENT OF AGRICULTURE  
SOIL CONSERVATION SERVICE  
College Park, Md.

GRASSED WATERWAY

Standard Drawing  
GW-1

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

Director: *[Signature]* DATE: 2-21-89

Chief, Division of Community Planning and Land Development: *[Signature]* DATE: 2-17-89

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

County Health Officer: *[Signature]* DATE: 2-14-89

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

Director: *[Signature]*

Chief Bureau of Engineering: *[Signature]*

**APPROVED**

DIVISION OF  
COMMUNITY PLANNING  
& LAND DEVELOPMENT

HOWARD COUNTY,  
MARYLAND

DATE: 2-29-89

**VILLAGE OF MONTGOMERY RUN**

SECTION 1, AREA 2, PAR I, J, & K  
TAX MAP 31 & 37 PARCEL 108 & 285  
1ST ELECTION DISTRICT HOWARD COUNTY, MD

OWNER:  
NEWMISS LTD. PARTNERSHIP  
6615 REISTERSTOWN RD  
SUITE 201  
BALTIMORE, MD 21215  
(301) 358-4934

DEVELOPER:  
MACKS & MACKS  
6615 REISTERSTOWN RD  
SUITE 205  
BALTIMORE, MD 21215  
(301) 358-4934

**KIDDE CONSULTANTS, INC.**

ENGINEERS • PLANNERS • SURVEYORS

SHEET 17 OF 21

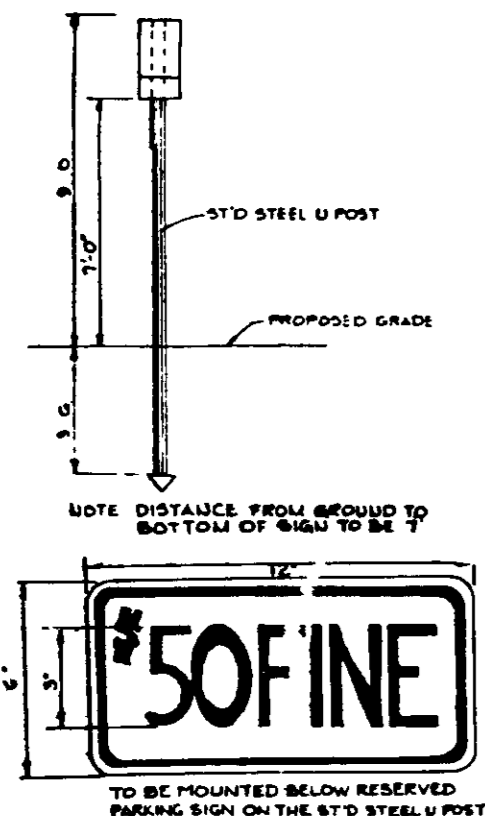
DATE: APRIL 1988 SCALE: AS SHOWN

Drwg No 17 of 21



LEGEND AND BORDER - GREEN  
WHITE SYMBOLS ON BLUE BACKGROUND  
BACKGROUND - WHITE

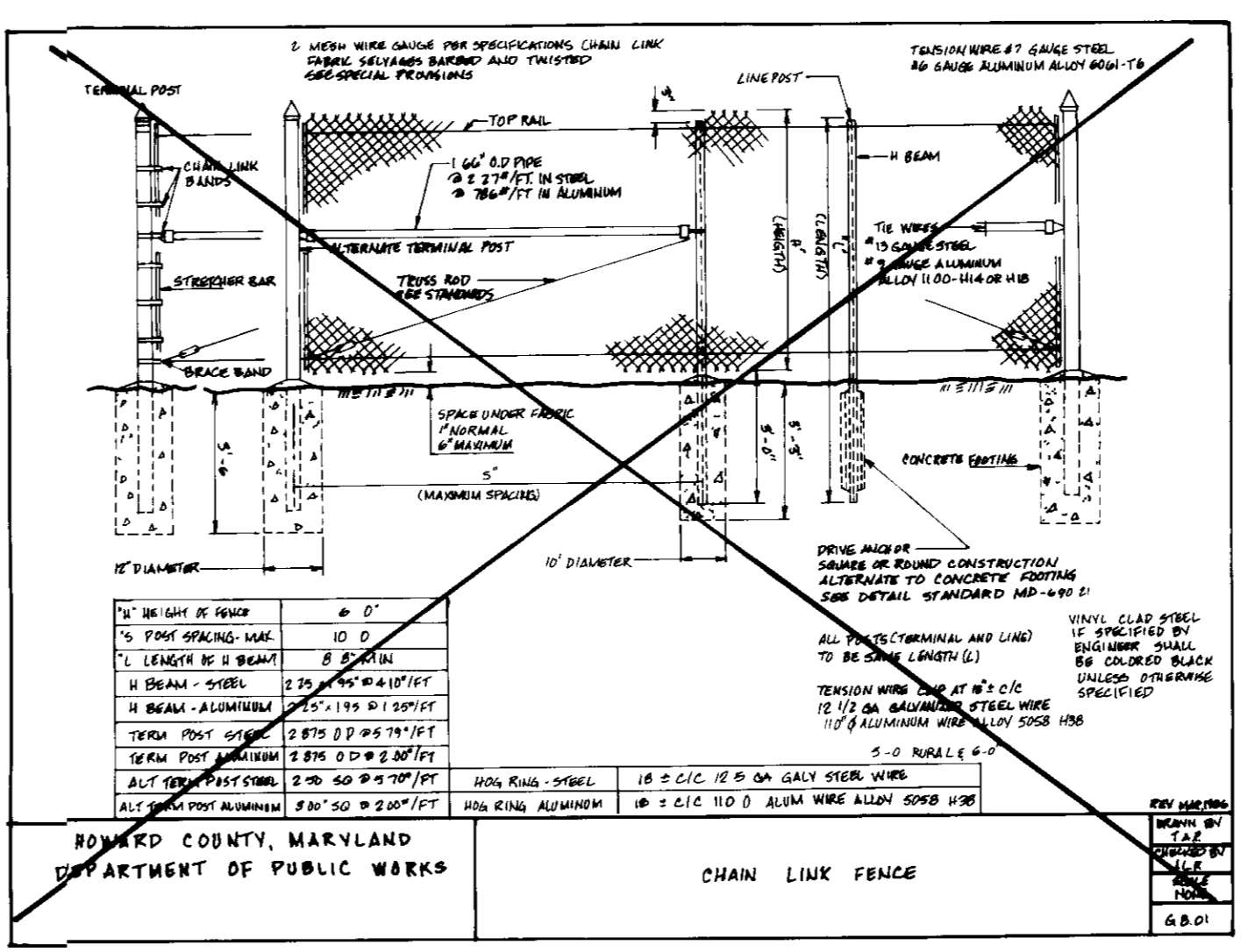
HANDICAP SIGN  
1/4" SCALE



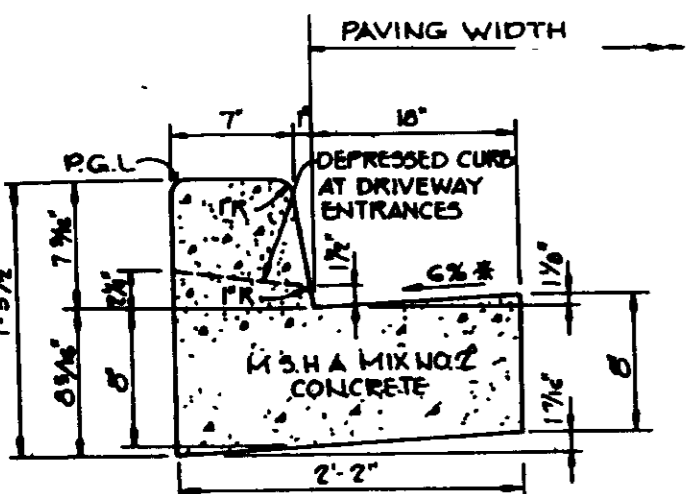
50' FINE  
TO BE MOUNTED BELOW RESERVED  
PARKING SIGN ON THE STD STEEL U POST

SEQUENCE OF CONSTRUCTION

- 1) OBTAIN GRADING PERMIT \* 1 DAY
  - 2) UTILIZE ALL EXISTING SEDIMENT CONTROL MEASURES UNDER F-88-258. INSTALL ALL DIKES, SILT FENCE AND SEDIMENT TRAPS THAT WERE NOT EXISTING. INSTALL DIKE BEHIND BUILDINGS 5B TO 6Z 4 DAYS
  - 3) ROUGH GRADE THE SITE AS PER GRADING PLAN. REMOVE DIKE BEHIND BUILDINGS 5B TO 6Z & PLACE SILT FENCE AT TOE OF SLOPE AS SHOWN ON PLAN 4 WEEKS
  - 4) INSTALL CURB & GUTTER, STORM DRAINS, AND PAVING, AND IMMEDIATELY BLOCK ALL INLETS. 3 1/2 WEEKS
  - 5) INSTALL ALL UTILITIES, BUILDINGS AND SIEMALKS. 10 WEEKS
  - 6) FINE GRADE THE SITE AS PER THE SITE DEVELOPMENT PLAN. 2 WEEKS
  - 7) STABILIZE THE SITE USING KENTUCKY 31 TALL RESCUE. 1 WEEK
  - 8) WITH PERMISSION OF THE SEDIMENT CONTROL INSPECTOR REMOVE ALL SEDIMENT CONTROL DEVICES, INCLUDING THE DEMATERING DEVICES FROM PONDS 3 & 4. FILL OR COMPACT BOTH POND BOTTOMS TO FINAL DESIGN ELEVATION. STABILIZE ANY REMAINING DISTURBED AREAS. 1 WEEK
- \* SEE NOTE REGARDING GRADING IN WETLANDS ON SHEET 3 OF 21.

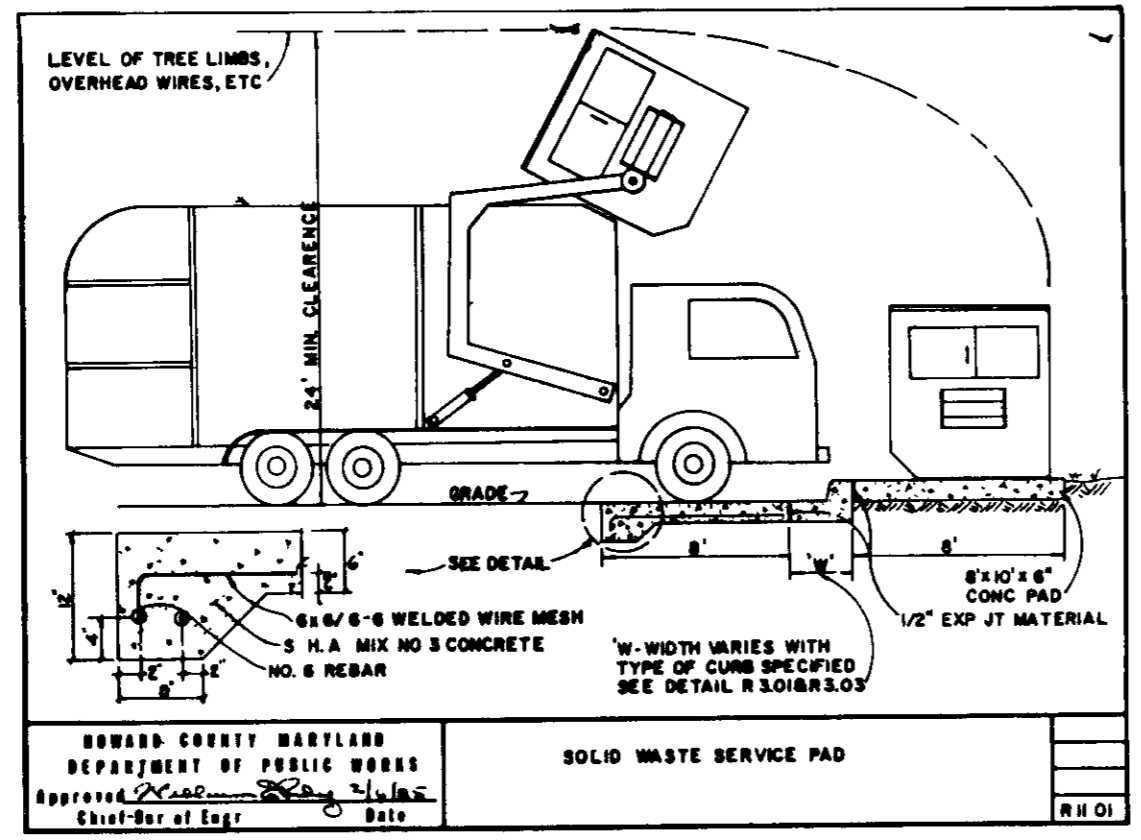


CHAIN LINK FENCE

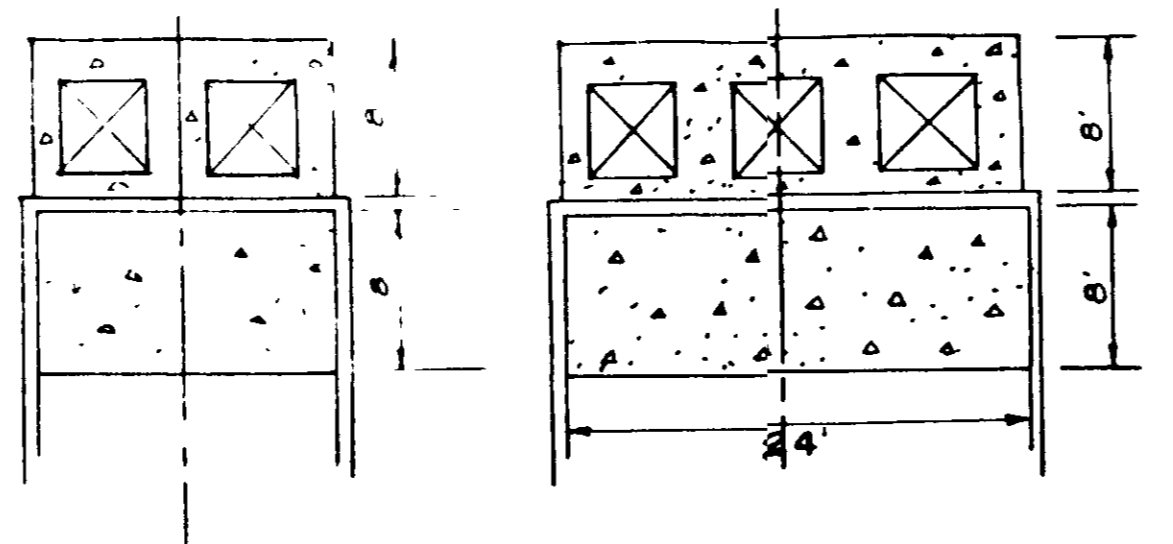


HOWARD COUNTY DESIGN MANUAL VOLUME 17 - STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (DRAWING R-301)  
GUTTER PAN AT THE MEDIAN EDGE OF INTERMEDIATE ARTERIALS OR THE HIGH SIDE OF SUPERELEVATED SECTIONS SHALL BE SLOPED AT THE SAME RATE AS THE PAVEMENT

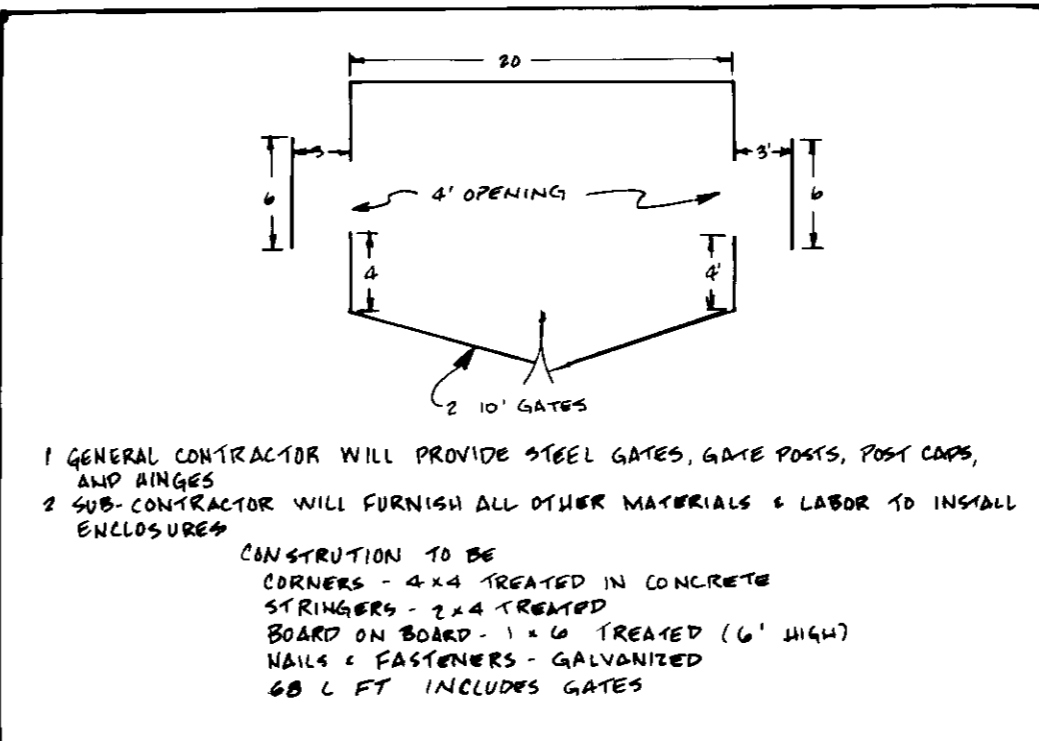
STANDARD 7" COMBINATION CURB AND GUTTER  
No Scale



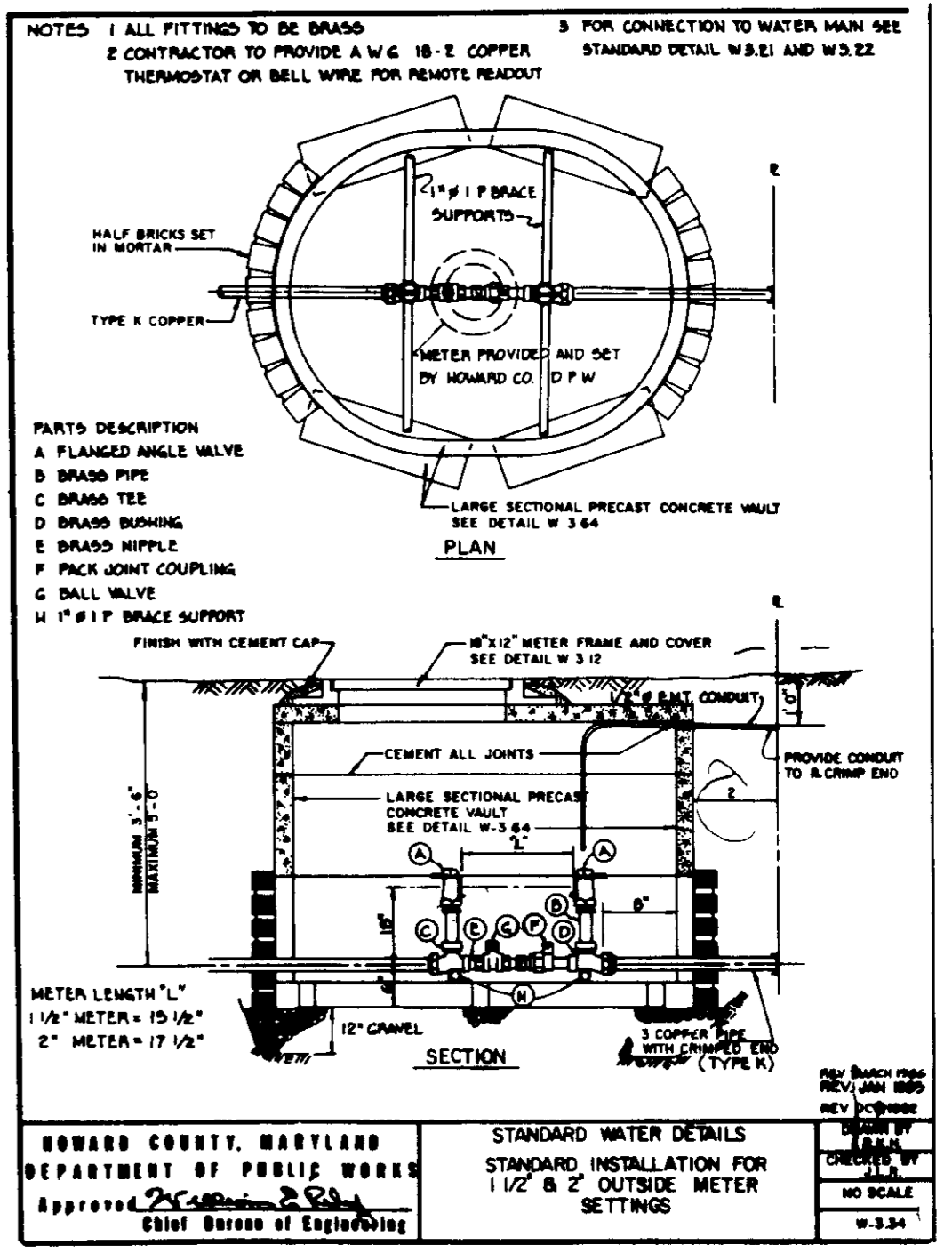
SOLID WASTE SERVICE PAD



DUMPSTER PAD LAYOUT

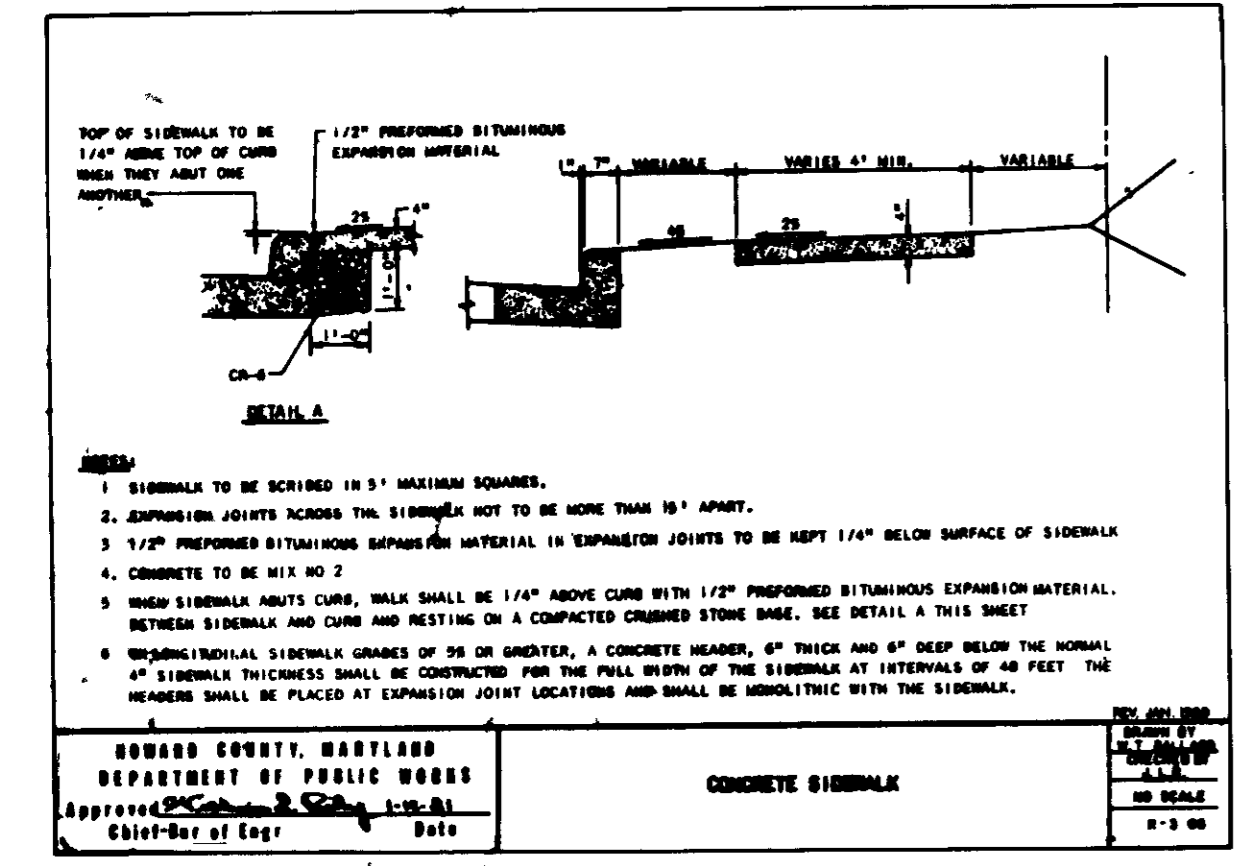


FENCE DETAIL TO BE USED AROUND ALL DUMPSTERS

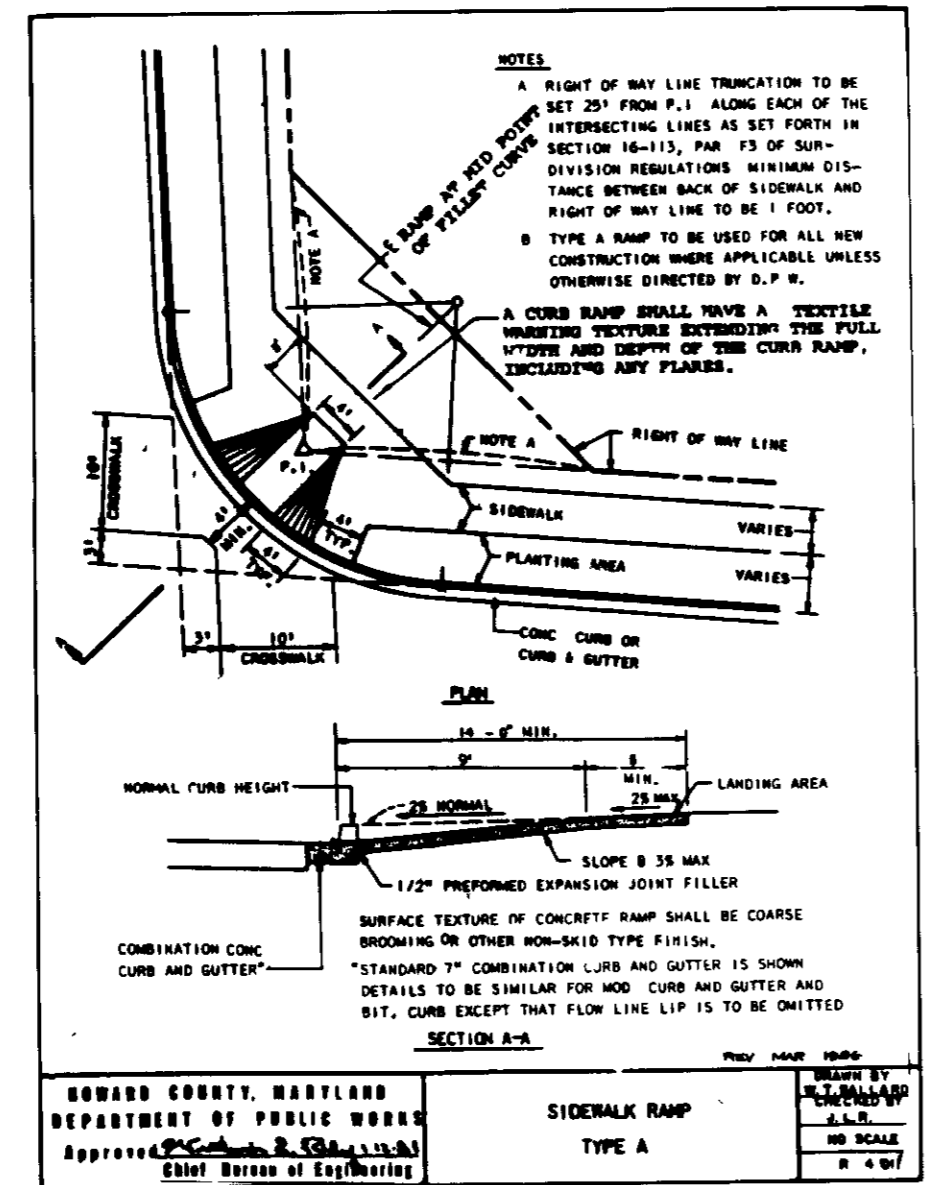


STANDARD WATER DETAILS  
STANDARD INSTALLATION FOR 1 1/2" & 2" OUTSIDE METER SETTINGS

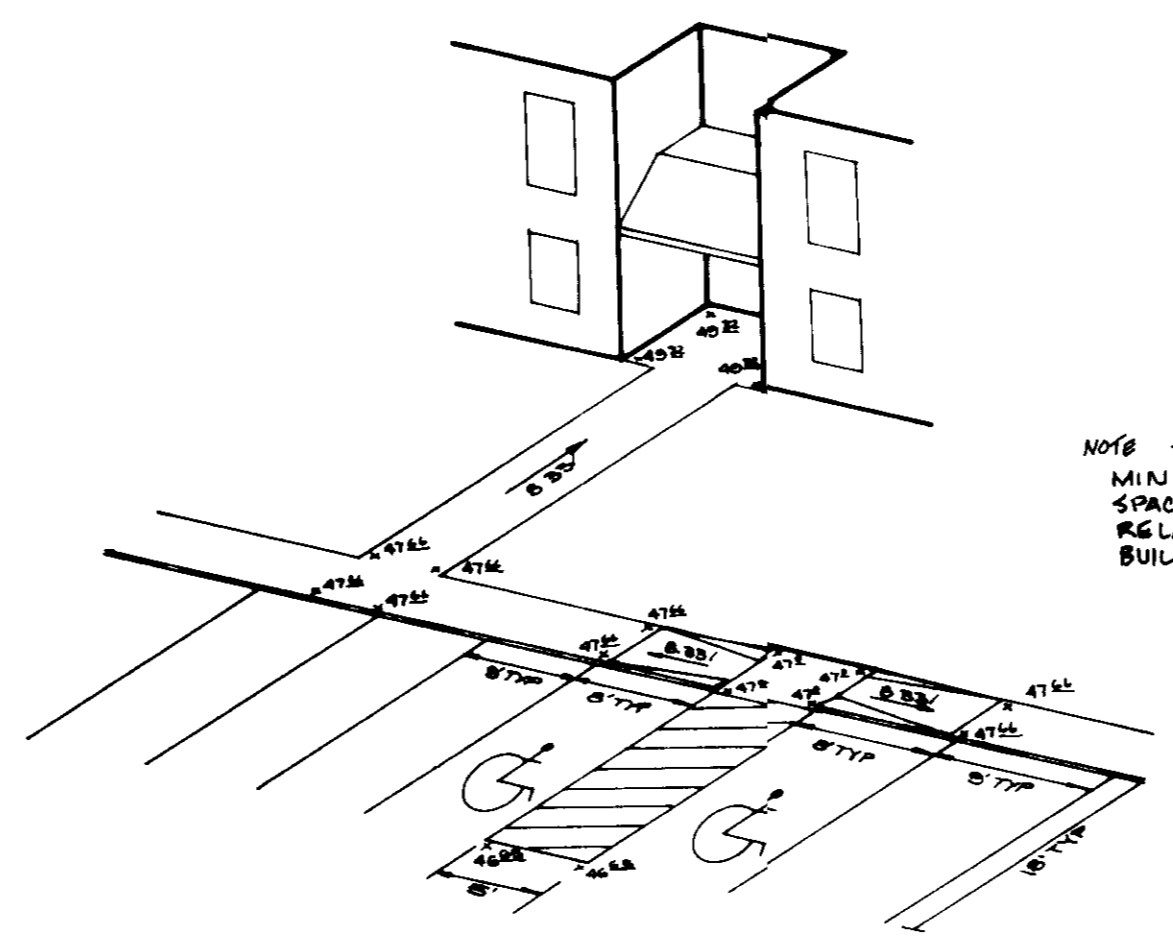
SECTION NUMBER	ROAD AND STREET CLASSIFICATION	PAVEMENT MATERIALS	CONCRETE BASE ALTERNATES
P-1	PARKING AREAS AND TRAVELWAYS APARTMENTS AND COMMERCIAL INDUSTRIAL ZONES WITH NO HEAVY TRUCKS	FULL DEPTH BIT CONC ALTERNATE 1" BIT CONC SURFACE 2" BIT CONC BASE	1" BIT CONC SURFACE 2" BIT CONC BASE OR 3" CRACKER RUN BASE COURSE OR 3" CRACKER STABILIZED AGGREGATE BASE COURSE
P-2	RESIDENTIAL ZONES LIMBING, DRIVEWAYS, ALLEYS AND PRIVATE DRIVEWAYS PARKING AREAS APARTMENTS AND COMMERCIAL INDUSTRIAL ZONES WITH NO MORE THAN 40 HEAVY TRUCKS PER DAY	1 1/2" BIT CONC SURFACE 3" BIT CONC BASE	1 1/2" BIT CONC SURFACE 2 1/2" BIT CONC BASE OR 3" CRACKER RUN BASE COURSE OR 3" CRACKER STABILIZED AGGREGATE BASE COURSE



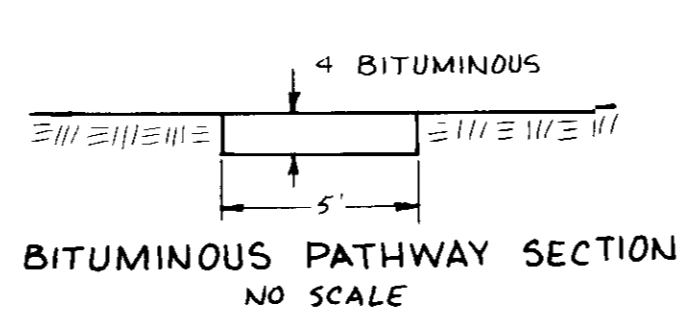
CONCRETE SIDEWALK



SIDEWALK RAMP TYPE A



HANDICAP RAMP DETAIL  
NOT TO SCALE



BITUMINOUS PATHWAY SECTION  
NO SCALE

APPROVED  
DIVISION OF  
COMMUNITY PLANNING & LAND DEVELOPMENT  
HOWARD COUNTY, MARYLAND  
DATE 8-29-88

OWNER:  
NEWMISS LTD. PARTNERSHIP  
6615 REISTERSTOWN RD  
SUITE 201  
BALTIMORE, MD 21215  
(301) 358-4934

DEVELOPER:  
MACKS & MACKS  
6615 REISTERSTOWN RD  
SUITE 208  
BALTIMORE, MD 21215  
(301) 358-4934

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
DATE 2-21-89  
DIRECTOR  
DATE 2-12-89  
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROAD  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DATE 2-10-89  
CHIEF BUREAU OF ENGINEERING

REVIEWED FOR HOWARD SOIL CONSERVATION AND MEETS TECHNICAL REQUIREMENTS  
DATE 2/1/89  
U.S. SOIL CONSERVATION SERVICE

ENGINEERS CERTIFICATE  
"I CERTIFY THAT THIS PLAN FOR EROSION & 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"

DEVELOPER'S CERTIFICATE  
"I/WE CERTIFY THAT ALL DEVELOPMENT & 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 & EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT"

REVISION CHART

DATE	REVISION

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
DATE 2-14-89  
COUNTY HEALTH OFFICER

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION & SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
DATE 2/1/89  
HOWARD SOIL CONSERVATION DISTRICT

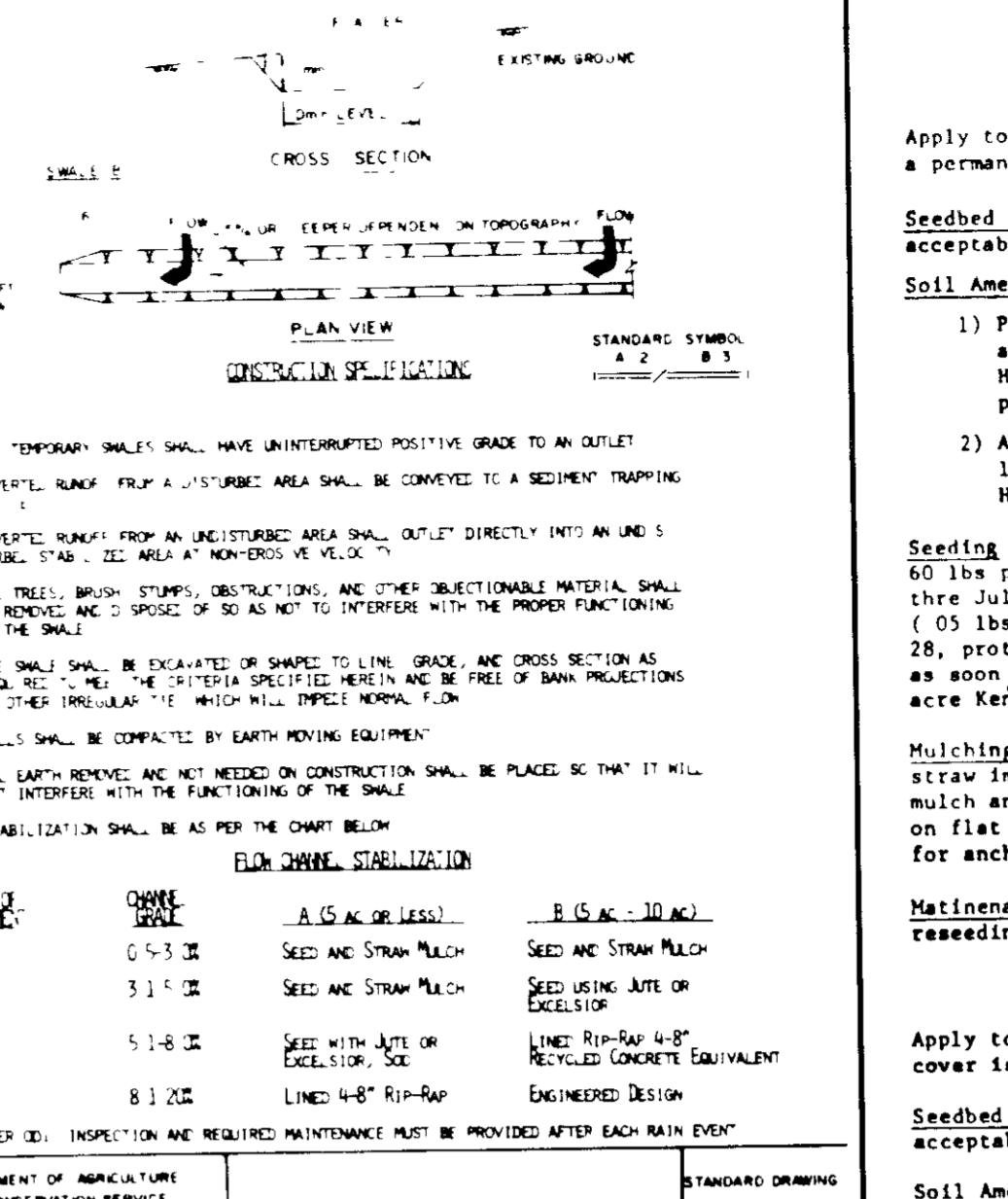
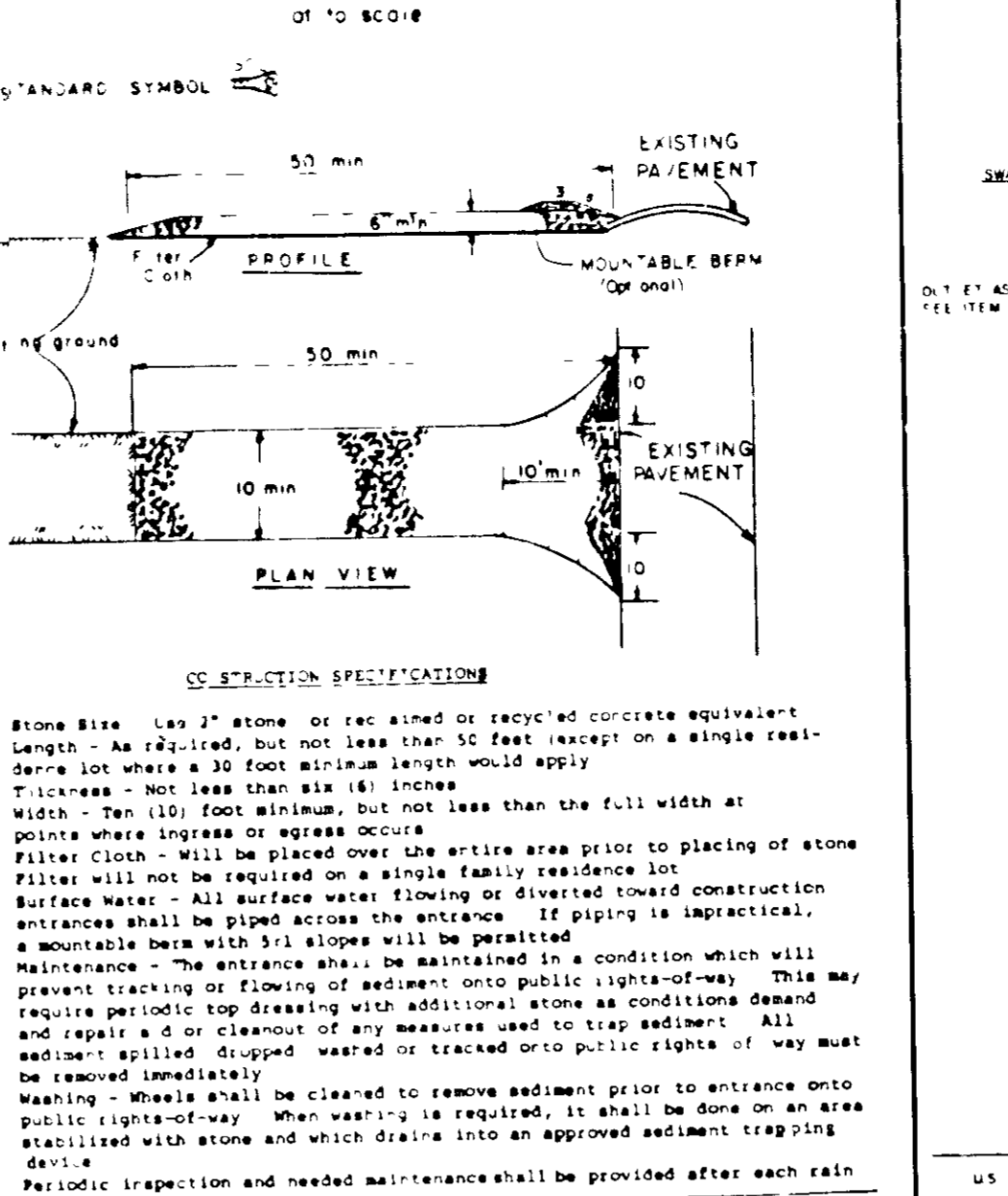
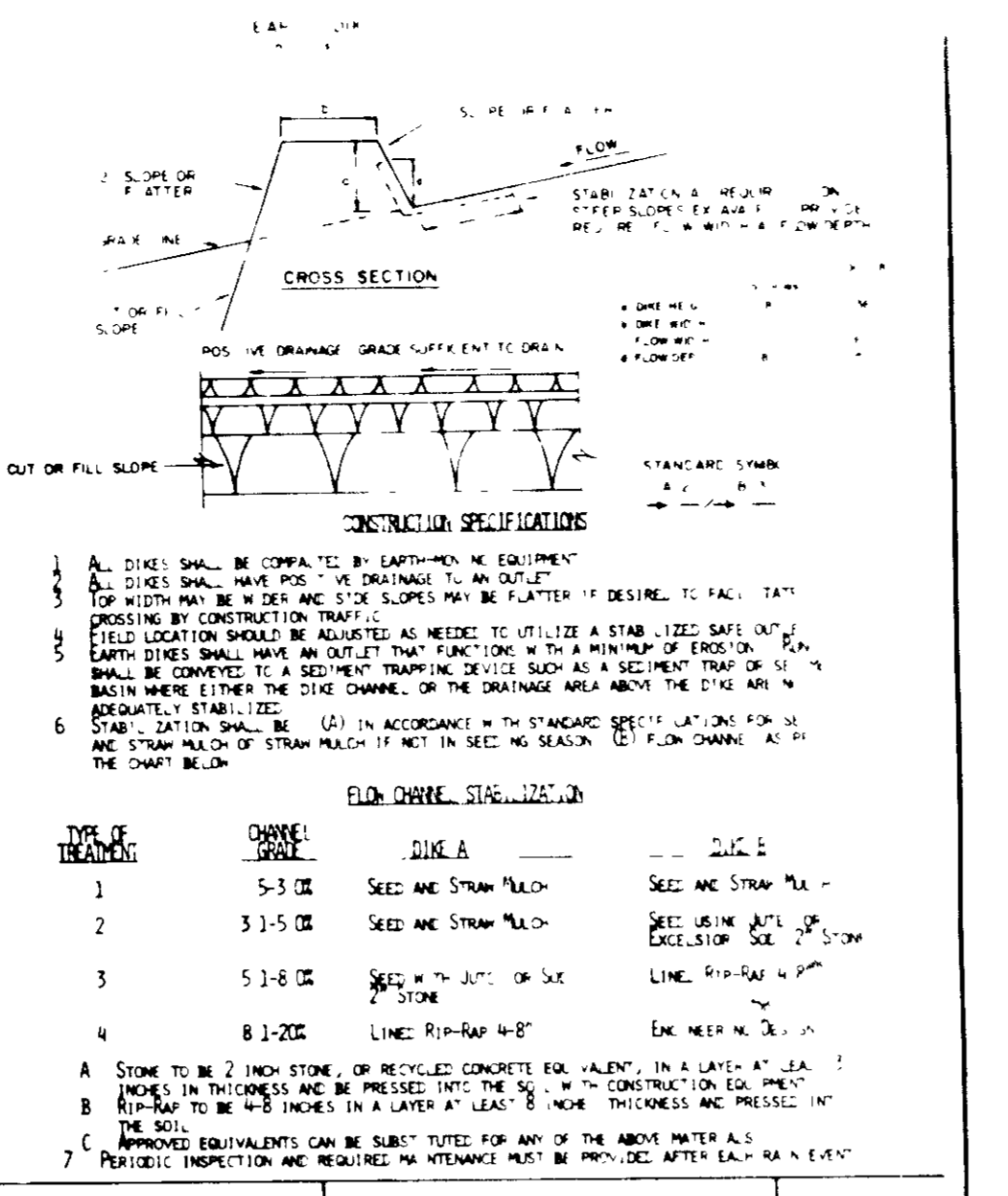
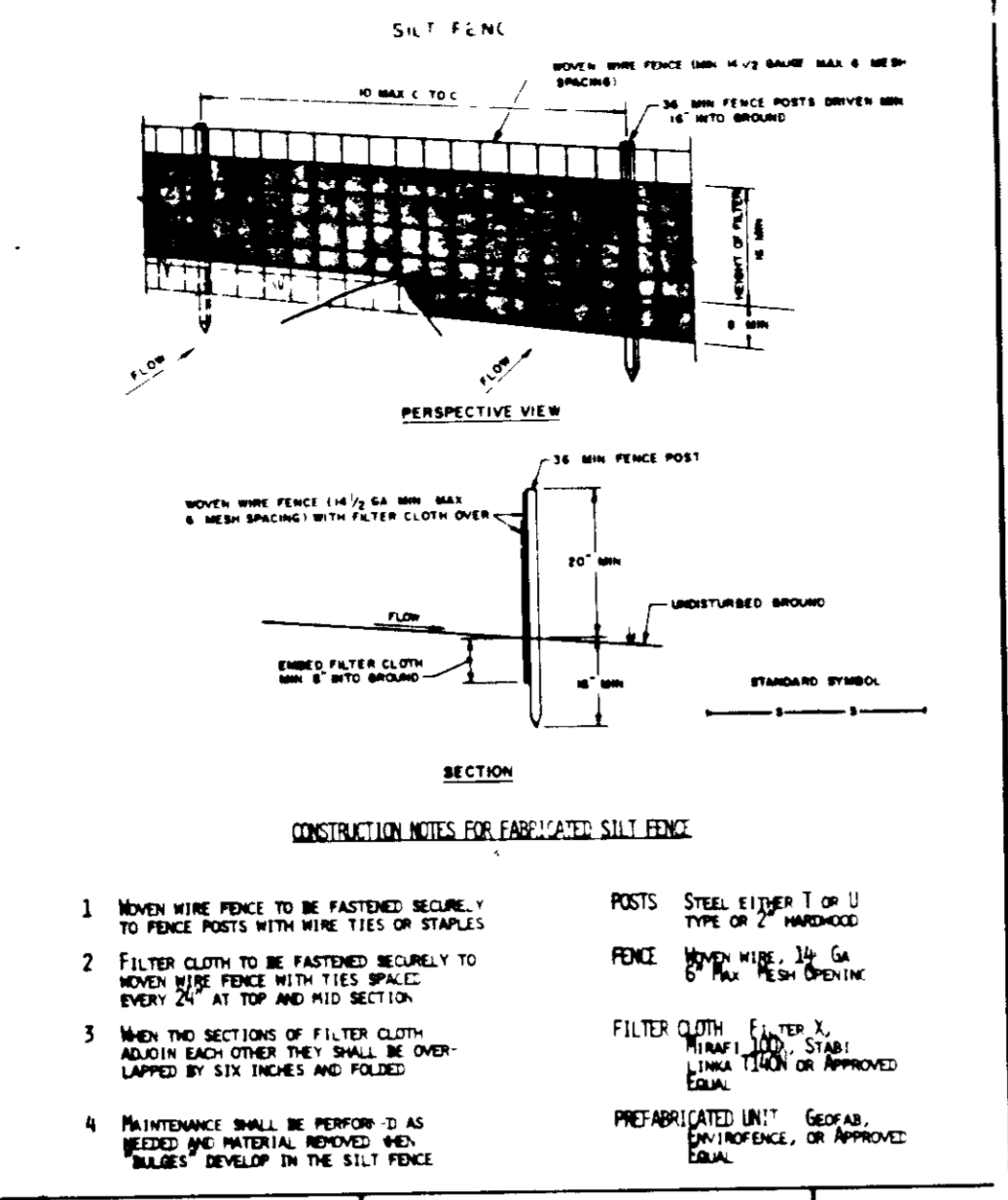
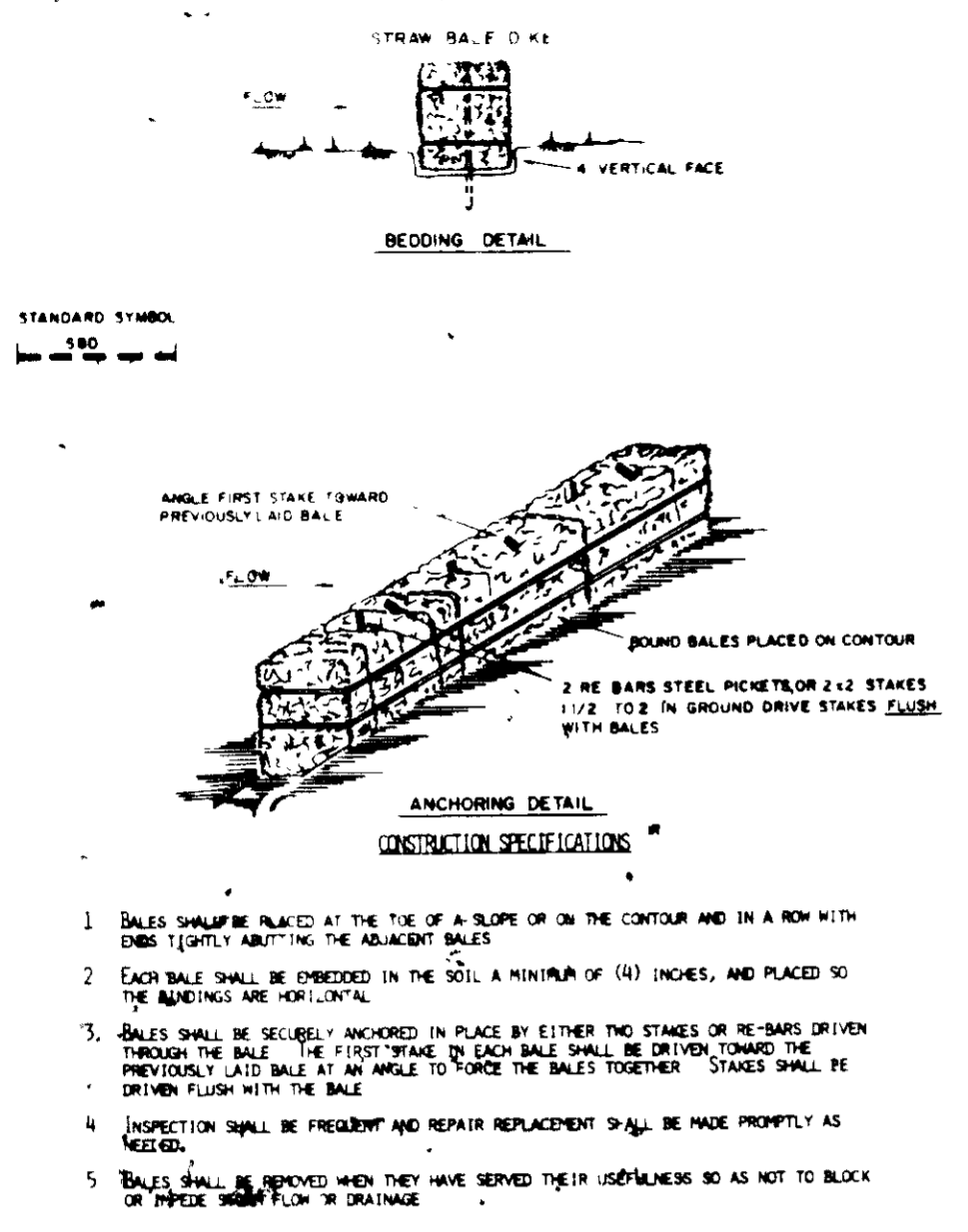
ENGINEER'S SIGNATURE  
DATE

DEVELOPER'S SIGNATURE  
DATE

CONSTRUCTION DETAIL SHEET  
VILLAGE OF MONTGOMERY RUN  
SECTION 1 / AREA 2, PAR. J, J, & K  
TAX MAP 31 & 37 PARCELS 108 & 205  
1ST ELECTION DISTRICT

KIDDE CONSULTANTS, INC.  
ENGINEERS • PLANNERS • SURVEYORS  
1100 WEST STREET SUITE 100 LAUREL, MD  
(WASH. 301-953-1821 792-8086 FAX)

DATE APRIL 1988 SCALE AS SHOWN  
Drwg No 18 of 21



**PERMANENT SEEDING NOTES**

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

**Seeded 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 seedling:

- Preferred - Apply 2 tons per acre dolomitic limestone (92 lb/1000 sq ft) and 800 lbs per acre 10-10-10 fertilizer (14 lb/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 lb/1000 sq ft).
- Acceptable - Apply 2 tons per acre dolomitic limestone (92 lb/1000 sq ft) and 1000 lbs per acre 10-10-10 fertilizer (21 lb/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 24 bushel per acre of annual ryegrass (3.2 lb/1000 sq ft). For the period Nov. 1 thru March 31, seed with 60 lb Kentucky 31 Tall Fescue per acre and 2 lb per acre (0.5 lb/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 seed. Option (3) Seed with 40 lb/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

**Mulching** - Apply 14 to 2 tons per acre (70 to 90 lb/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 reseedings.

**TEMPORARY SEEDING NOTES**

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

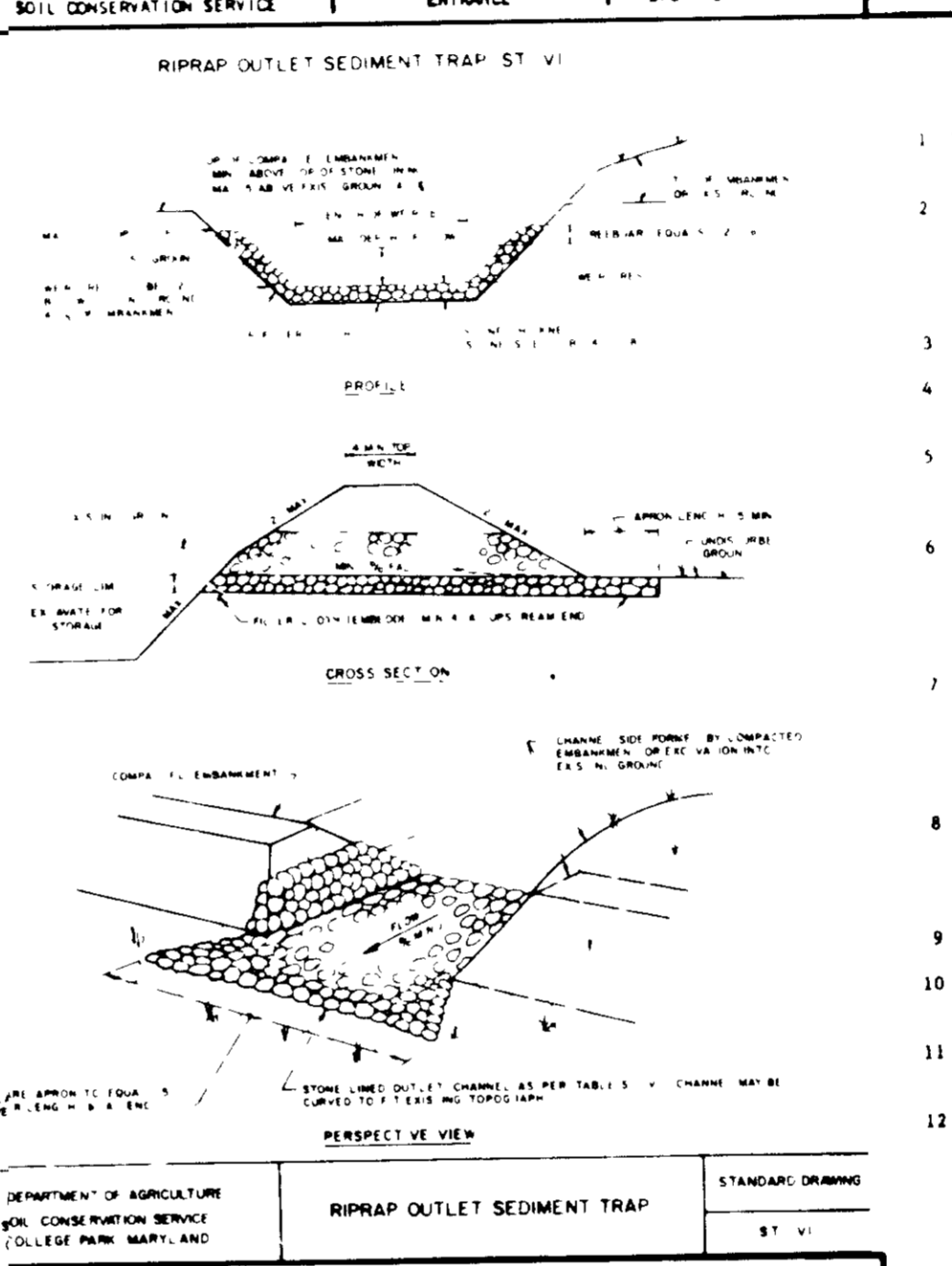
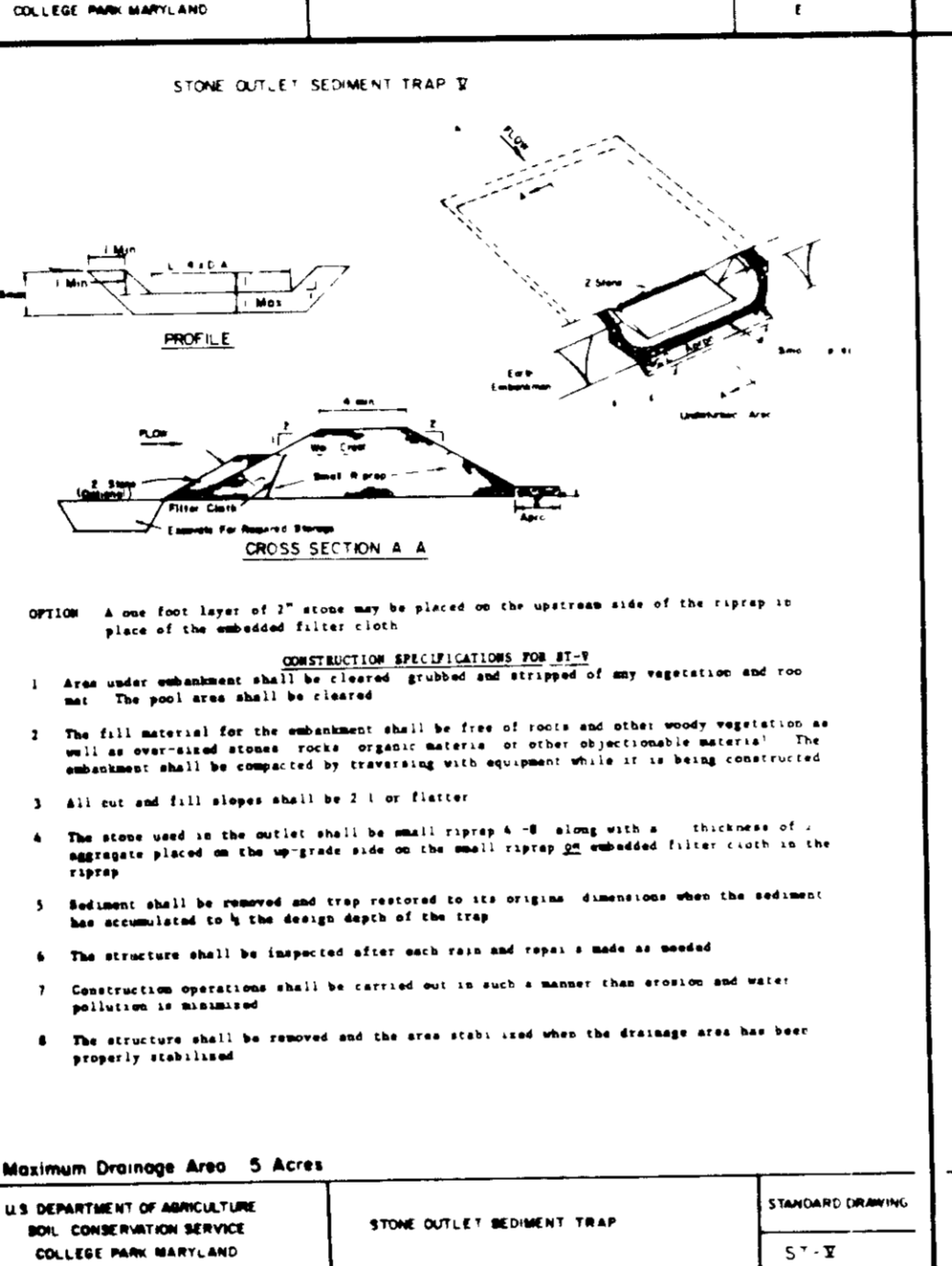
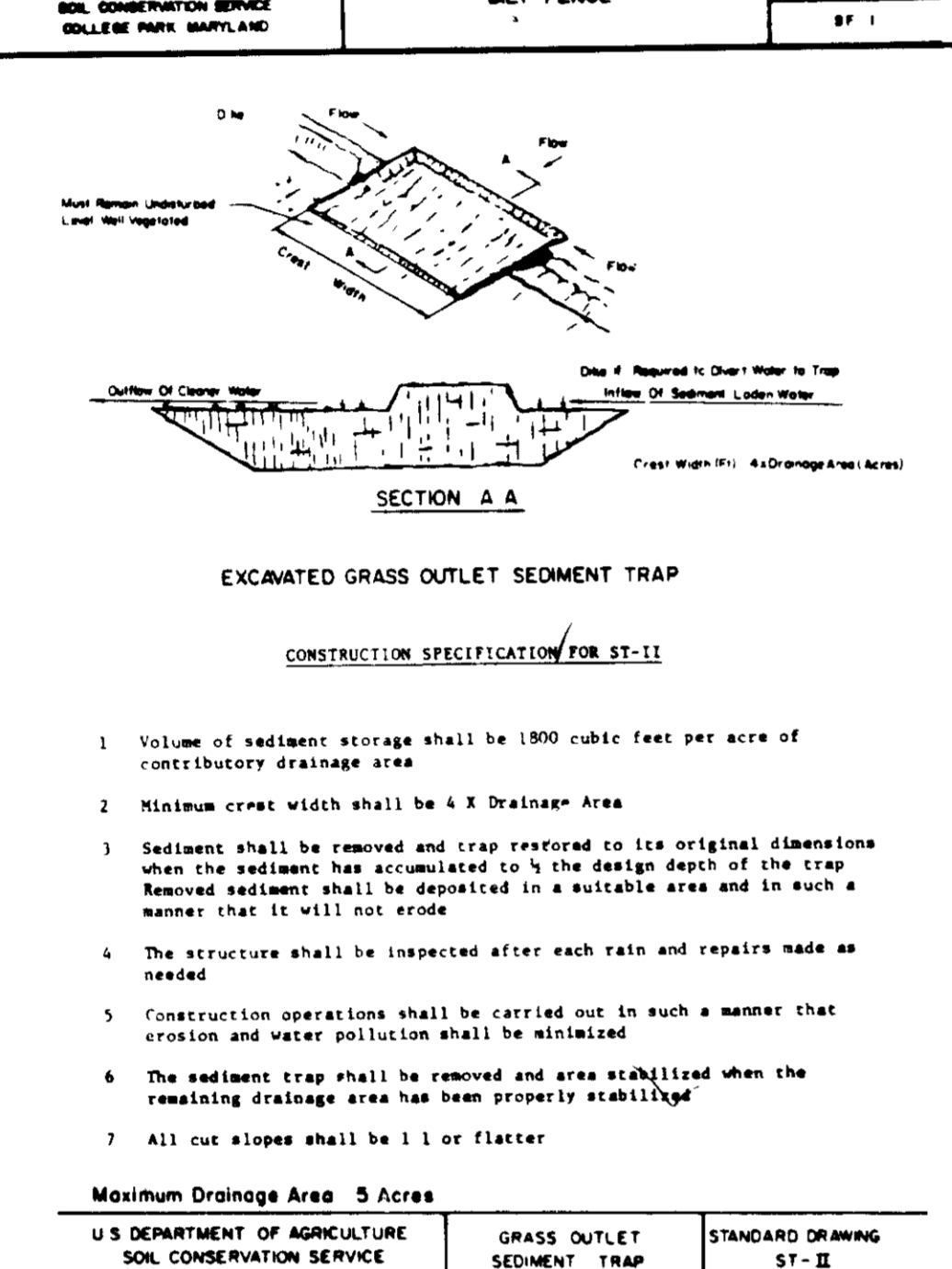
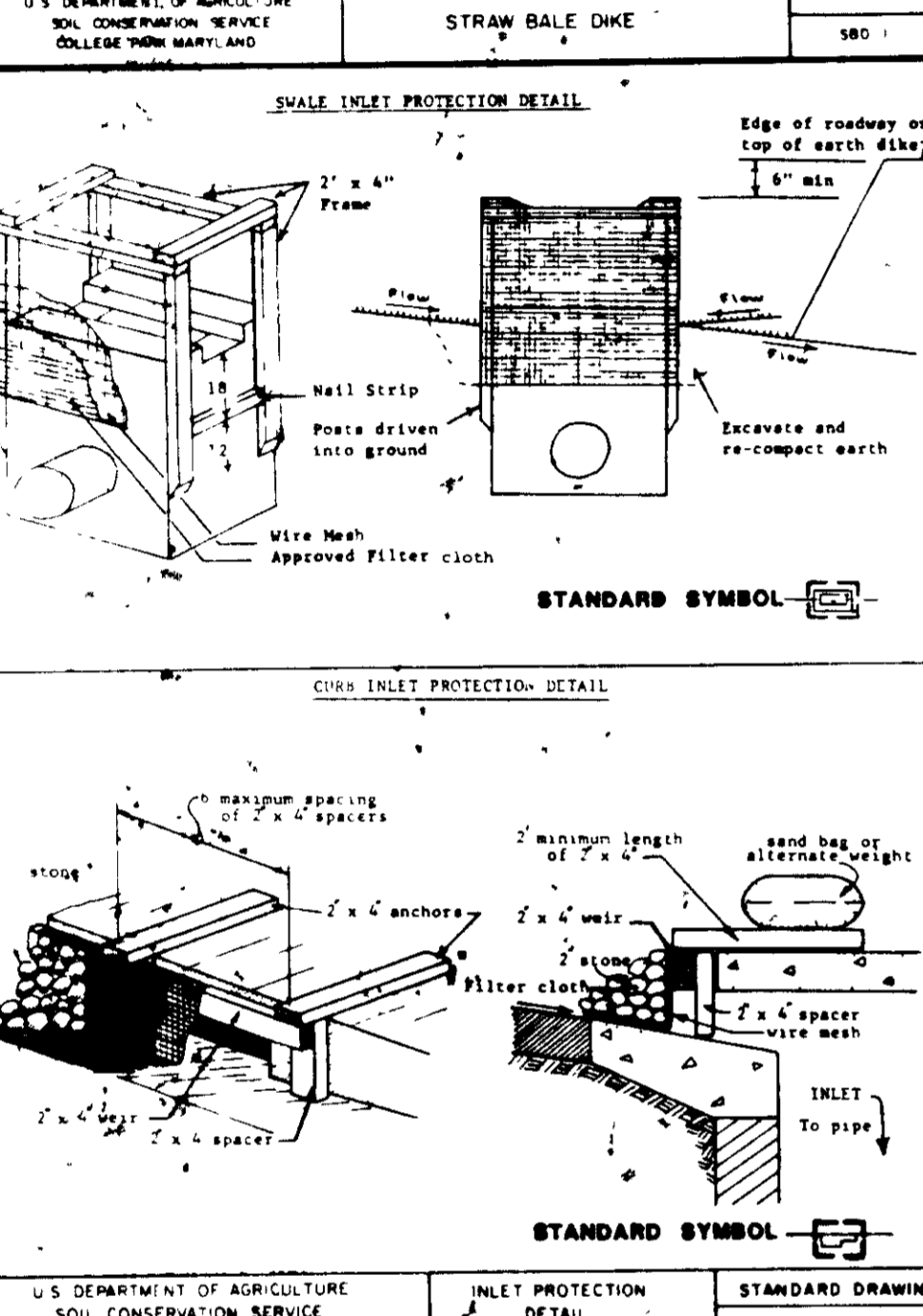
**Seeded Preparation** Loosen upper three inches of soil by raking, disking or other acceptable means before seeding.

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

**Seeding** For periods March 1 thru April 30 and from August 15 thru November 15, seed with 24 bushel per acre of annual ryegrass (3.2 lb/1000 sq ft). For the period Nov. 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (0.7 lb/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 seed.

**Mulching** Apply 14 to 2 tons per acre (70 to 90 lb/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.



**Riprap Outlet Sediment Trap**  
ST-VI (for Stone Lined Channel)

Contributing Drainage Area (Acres)	Depth of Channel (Feet)	Length of Weir (ft)
1	1.5	4.0
2	1.5	5.0
3	1.5	6.0
4	1.5	10.0
5	1.5	12.0
6	1.5	14.0
7	1.5	16.0
8	2.0	10.0
9	2.0	12.0
10	2.0	14.0
11	2.0	16.0
12	2.0	18.0
13	2.0	16.0
14	2.0	16.0
15	2.0	18.0

**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. (992-2437)
- 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 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 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) and (Sec. 54), temporary seedings (Sec. 50) and 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: 45.10 Acres  
Area Disturbed: 30.02 Acres  
Area to be roofed or paved: 9.47 Acres  
Area to be vegetatively stabilized: 80.35 Acres  
Total Cut: 106,560 Cu. yds  
Total Fill: 30,887 Cu. yds  
Offset waste/borrow area: Location B, 000 (STORED ON SITE)
- Any sediment control practice which is disturbed by grading activity 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 DPW sediment control inspector.

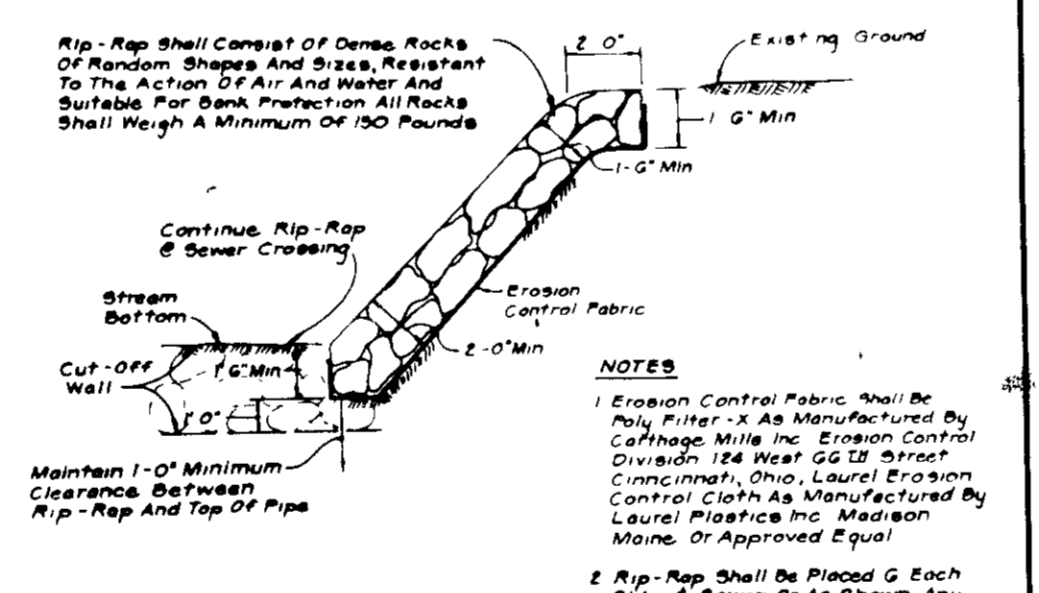
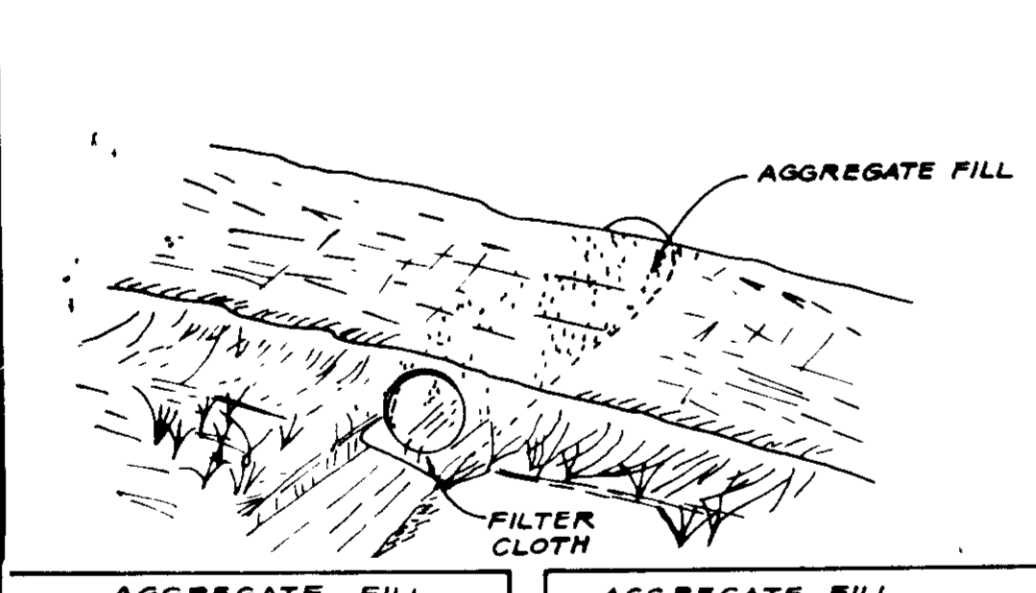
**Construction Specifications**

**Materials**

- Wooden frame is to be constructed of 2"x4" construction grade lumber.
- Plywood is to be a minimum thickness of 1/4" construction grade lumber.

**Installation**

- Cut plywood to extend a minimum of 6" past throat along curb.
- Attach to anchors in a secure manner which will insure a water tight fit against throat.
- Brace securely using sandbag or alternate weight. If not watertight, use approved filter cloth under plywood and attach securely.



**SOIL CONSERVATION MEASURES AT SMALL STREAM CROSSING**  
Not To Scale

**APPROVED**  
DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT  
HOWARD COUNTY, MARYLAND  
DATE: 8-29-88

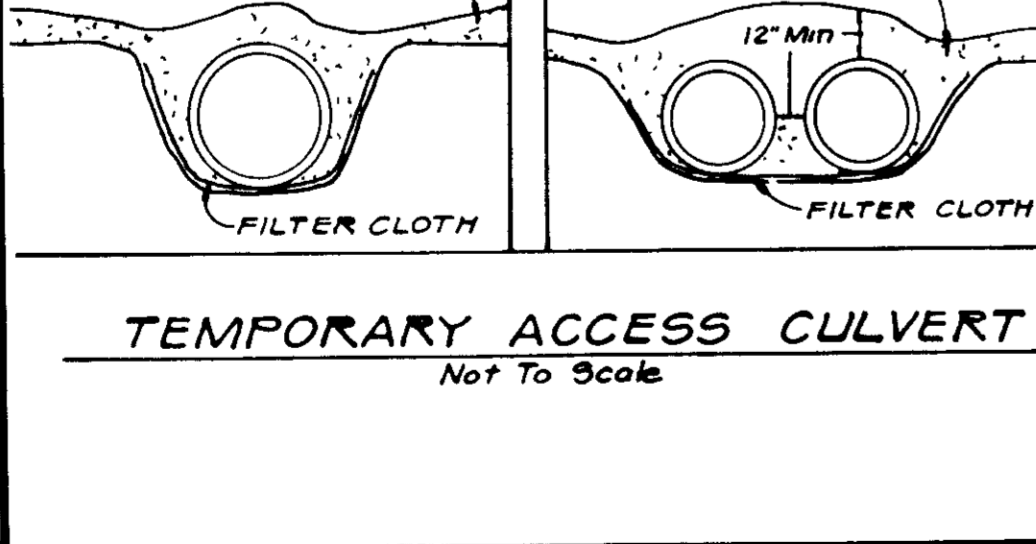
REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

*[Signature]* DATE: 8-3-89

SOIL CONSERVATION SERVICE

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

*[Signature]* DATE: 2/3/89



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

*[Signature]* DATE: 2/10/89

CHIEF BUREAU OF ENGINEERING

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

*[Signature]* DATE: 2/10/89

CHIEF BUREAU OF ENGINEERING

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

*[Signature]* DATE: 2-21-89

CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

*[Signature]* DATE: 2-17-89

OWNER'S/DEVELOPER'S CERTIFICATION

"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 bag making the project, also authorize County Health Inspector by the Howard Soil Conservation District."

Signature: *[Signature]* Date: 9/20/88  
Name: *[Name]* Title: *[Title]* Phone No: *[Phone No]*  
Firm: *[Firm]* Complete Address: *[Address]*

ENGINEER'S CERTIFICATE

"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]* DATE: 5/20/88  
JOHN E. C. PATMORE  
Registered Professional Engineer # 8978

KIDDE CONSULTANTS, INC.  
ENGINEERS • PLANNERS • SURVEYORS  
1100 WEST STREET / SUITE 100 / LAUREL, MD 20707  
(Wash) (301) 953-1821 / 792-8086 (Balt)

**APPROVED**  
DIVISION OF COMMUNITY PLANNING & LAND DEVELOPMENT  
HOWARD COUNTY, MARYLAND  
DATE: 8-29-88

SEDIMENT CONTROL DETAIL SHEET

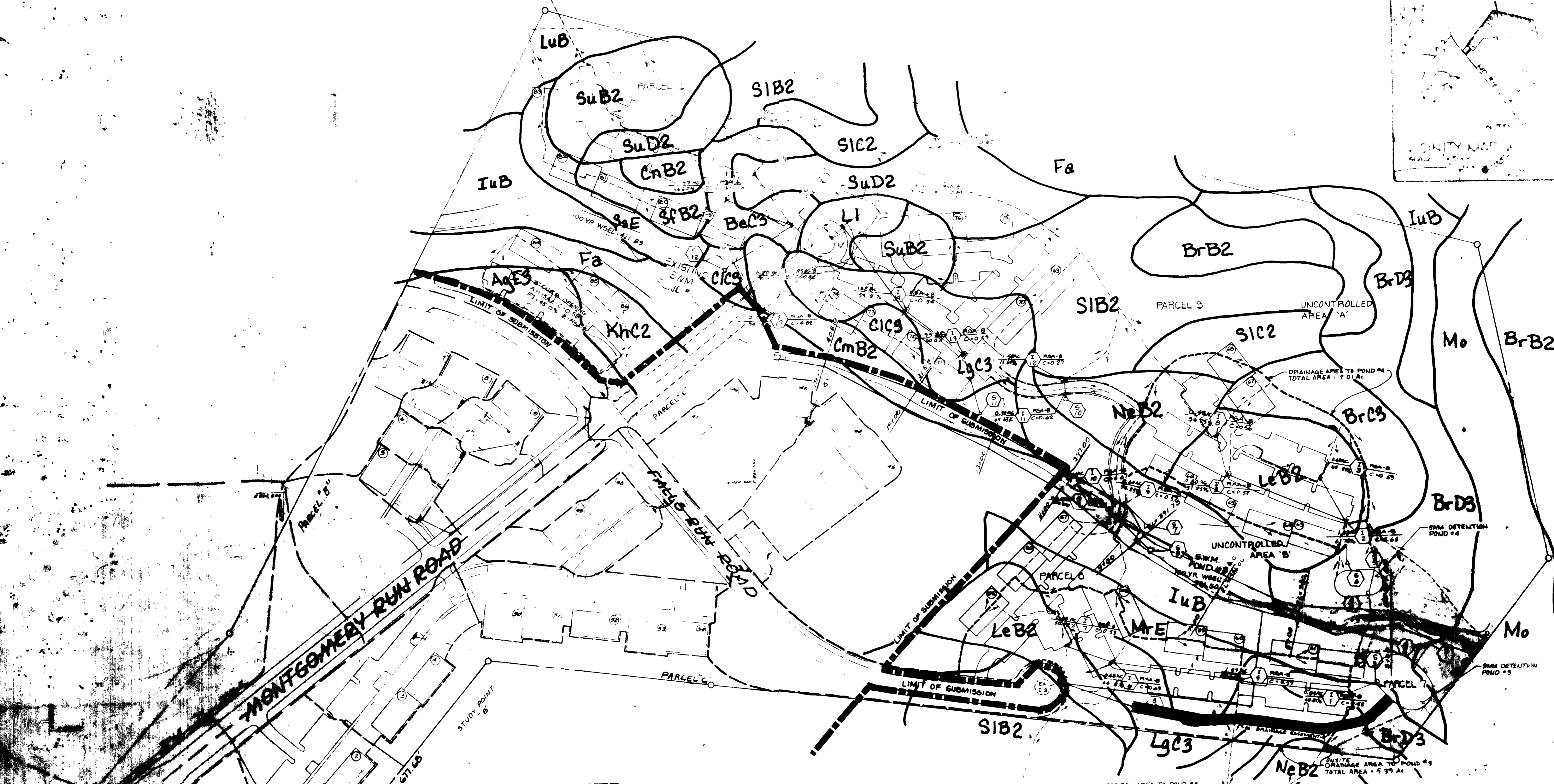
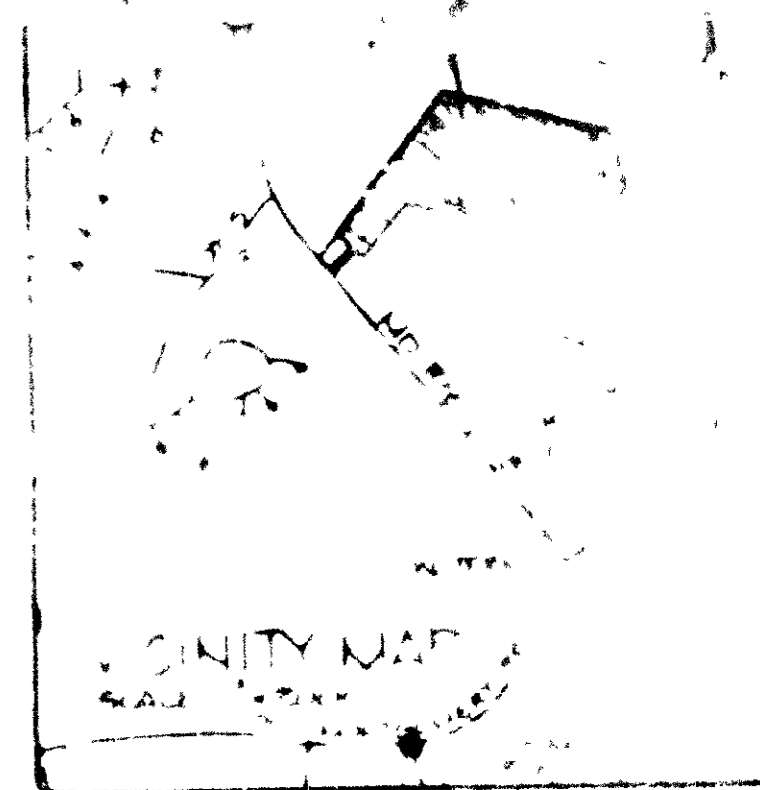
VILLAGE OF MONTGOMERY RUN  
SECTION 1 / AREA 2, PAR. I, J, K  
TAX MAP 31 & 37 PARCELS 106 & 205  
HOWARD COUNTY, MD 1ST ELECTION DISTRICT

NOTE: FOR SEQUENCE OF CONSTRUCTIONS, SEE SHEET 16 OF 21.

Drafting	DATE	REVISIONS	SHEET	DATE	JOB NUMBER
19	APRIL 1988		OF	SCALE	1689136
21	AS SHOWN				

SDP-88-218





APPROVED  
DIVISION of  
COMMUNITY PLANNING  
& LAND DEVELOPMENT  
HOWARD COUNTY,  
MARYLAND  
DATE **8-29-88**

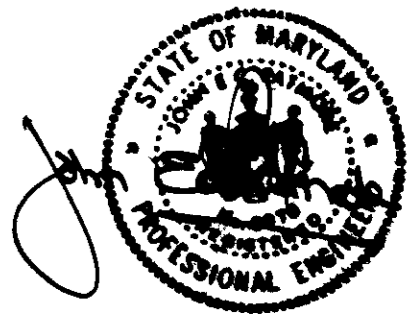
APPROVED FOR PUBLIC WATER & PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

VILLAGE OF MONTGOMERY RUN  
PAR. I, J & K  
TAX MAP 31 & 37  
1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
*[Signature]* **2-21-89**  
DATE  
CHIEF, DIVISION OF  
COMMUNITY PLANNING AND  
LAND DEVELOPMENT

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*[Signature]* **2-10-89**  
DATE  
CHIEF BUREAU OF ENGINEERING

HOWARD COUNTY SOILS MAP SHEET NO 25



**HIDDE CONSULTANTS INC.**

ENGINEERS • PLANNERS • SURVEYORS  
1100 WEST GARDEN / SUITE 100 / LAUREL, MD 20701  
(301) 707-4000 / (410) 528-6200

NO.	DATE	REVISION	BY
1			
2			
3			
4			

SOILS MAP

JOB NO. **1684/36** SHEET  
SCALE **1" = 100'** OF  
DATE: **APRIL 1988** 21

307-66-318