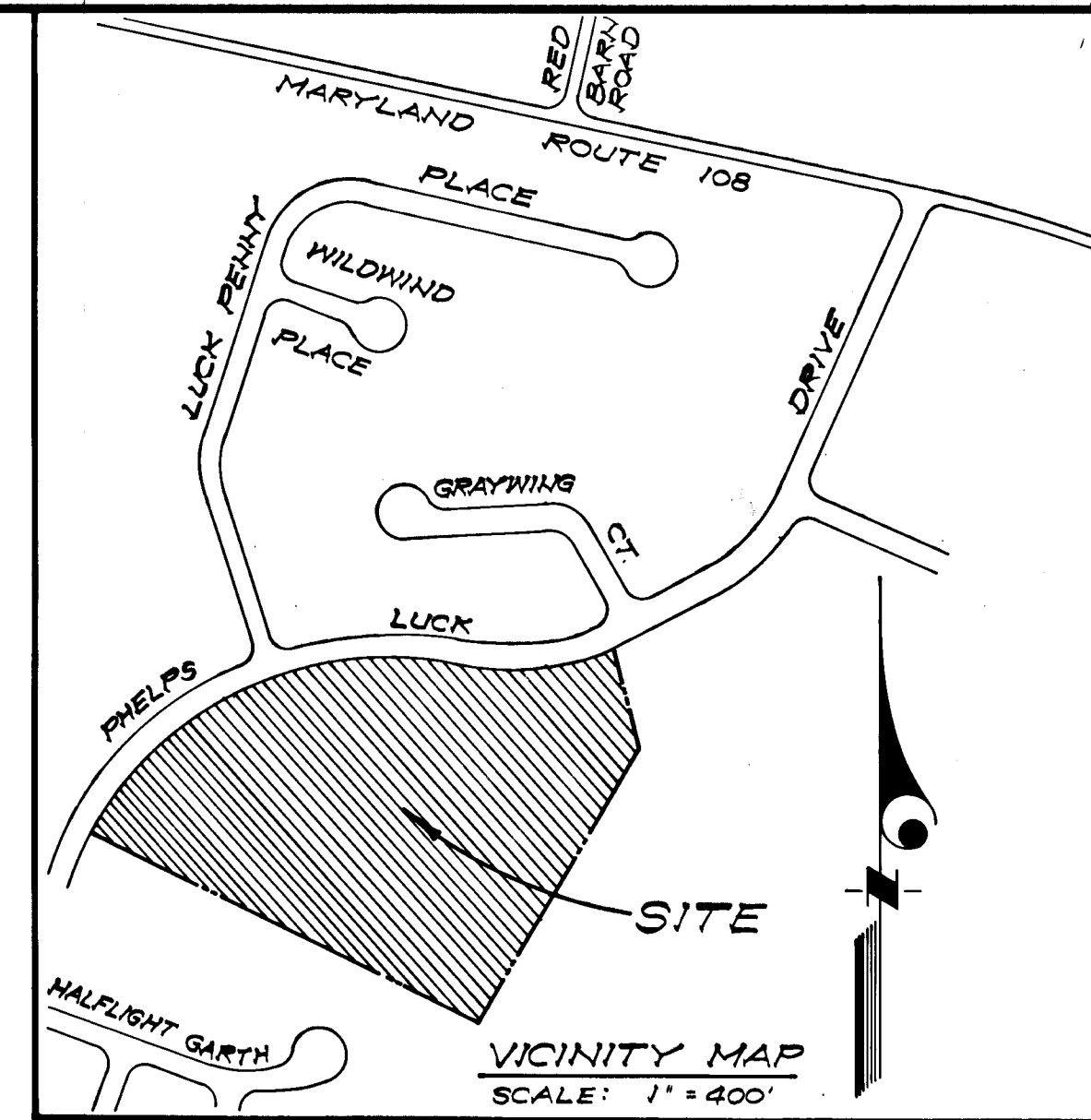


LOCATION PLAN



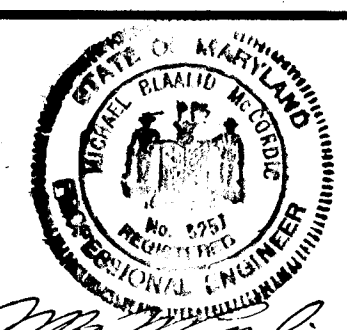
APPROVED: DEPARTMENT OF PUBLIC WORKS
D. M. McLeod 12/26/73
 Chief, Bureau of Highways DATE

APPROVED: HOWARD CO. OFFICE OF PLANNING & ZONING
W. H. Clouston 12/19/73
 CHIEF DIVISION OF LAND DEVELOPMENT & TRANSPORTATION PLANNING DATE

APPROVED
 DIVISION OF LAND DEVELOPMENT
 AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 DATE 12/14/73
[Signature]

GENERAL NOTES

1. All storm drain and paving shall be constructed in accordance with the latest details and specifications of Howard County.
2. Types of Storm Drain Structures refer to the standard details of Howard County.
3. Trench compaction for storm drains within road or street right-of-way limits shall be in accordance with latest Howard County Road Code.
4. Information concerning underground utilities was obtained from available records, but the Contractor must determine the exact location and elevation of the mains by digging test pits by hand at all utility crossings, well in advance of construction.
5. All utility companies shall be notified 24 hours in advance of construction.
6. Design speed equals 25 M.P.H. on all streets.
7. All roof drains shall be connected to storm drainage system.



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 1620 ELTON ROAD SILVER SPRING, MD.
 434-7000 20903

STORM DRAIN AND PAVING PLAN
COLUMBIA-VILLAGE OF LONGREACH
 SECTION I - AREA I
 LOTS F-1 TO F-13;
 A RESUBDIVISION OF PARCEL "F"
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

OWNER: Poretzky & Starr 8401 Connecticut Avenue Chevy Chase, Maryland 652-5021 20015		
DESIGN SJB&MWM	SHEET 1 OF 8	
DRAFT CJJ	DATE: 8-29-73	JOB NO: 3-018-44
APPROVED SJB&MWM	SCALE: 1"=50'	FILE NO: 3-018-4-B

DATE	
BY	
PLAN	
NO. OF WAY CHECKED	
NO.	

DATE	
BY	
PROFILE	
NO. OF WAY CHECKED	
NO.	

WILD LILAC
 & Curve Data
 PC=1+16.27 PT=1+66.27
 Δ= 13° 41' 36"
 R= 210.00
 L= 50.19
 T= 25.22

WILD LILAC
 & Curve Data
 RC=2+18.27 PT=3+37.53
 Δ= 45° 56' 07"
 R= 148.00
 L= 118.66
 T= 62.72

Provide 85 L.F. ungrouted
 Riprap @ 0.5% 6'6" Bottom
 with 1.5:1 side slopes 9.5' Deep.
 Dry stone with min. wt. 200#
 wt. of 50% of stones. To meet
 or exceed 300#. Place stones
 to provide rough surface.

Provide 20 L.F. ungrouted
 Rip-rap @ 10% 2'-6" Bottom
 with 1.5:1 side slopes 1'25" Deep.
 Dry stone min. wt. 50# wt. of
 50% of stones shall meet or
 exceed 100#. Place stones so
 as to provide rough surface.

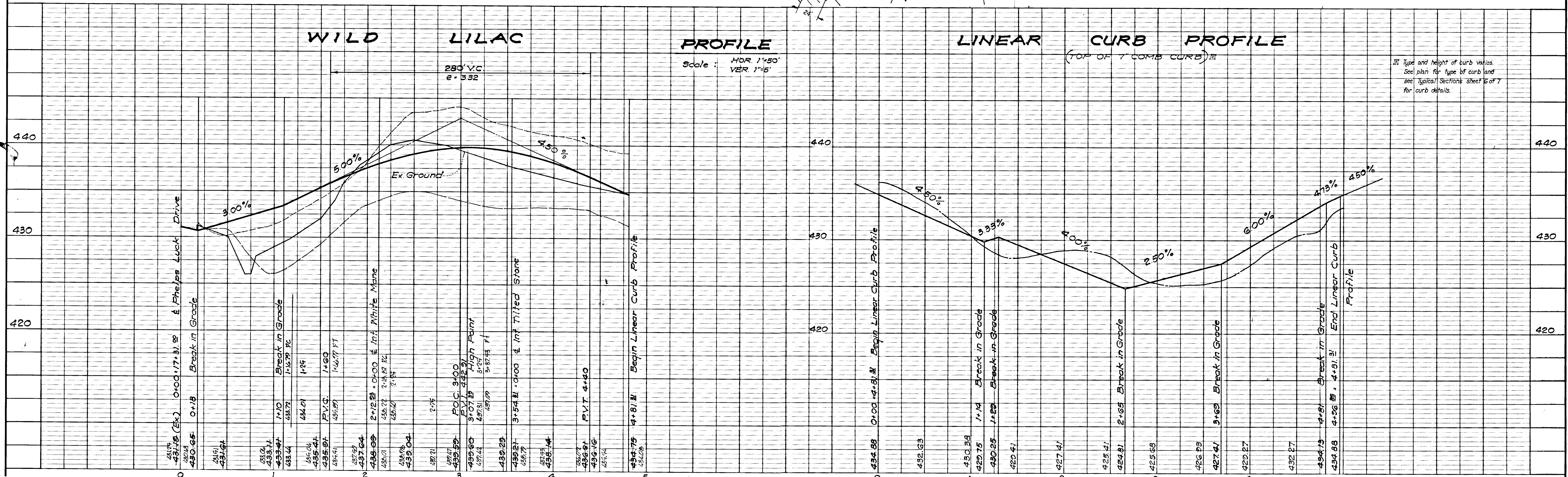
PLAN
 Scale: 1"=50'

APPROVED: DEPARTMENT OF PUBLIC WORKS
B. M. McKeand 12/26/73
 Chief, Bureau of Highways Date
 APPROVED: HOWARD CO., OFFICE OF PLANNING & ZONING
[Signature] 12/14/73
 Chief, Division of Land Development & Transportation Planning Date

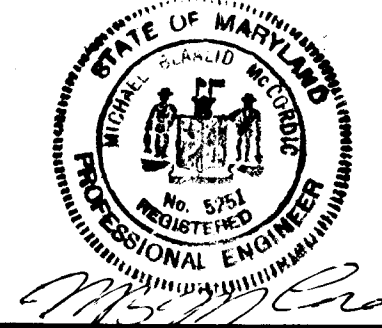
DATE 12/14/73

Notes:
 7' Comb. C66- Along non parking areas
 5' Reveal Barrier Curb- Outside perimeter parking areas
 4' Mod. Com. C66- Inside perimeter parking areas

LEGEND
 Existing ground @ 4' _____
 Existing ground @ 45' Left _____
 Existing ground @ 45' Right _____
 Proposed Profile Grade _____



§ Type and height of curb varies.
 See plan for type of curb and
 see typical sections sheet 10 of 17
 for curb details.



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 1620 ELTON ROAD SILVER SPRING, MD. 20903
 434-7000

STORM DRAIN AND PAVING PLAN
COLUMBIA-VILLAGE OF LONGREACH
 SECTION I - AREA I
WILD LILAC
 A RESUBDIVISION OF PARCEL "F"
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

OWNER: Poretzky & Starr
 8401 Connecticut Avenue
 Chevy Chase, Maryland
 652-5521 20015
 DESIGN: GUBJMMW SHEET 2 OF 8
 DRAFT: CJW & TEF DATE: 3-018-4f JOB NO: 3-018-17
 APPROVED: GUBJMMW SCALE: AS SHOWN FILE NO: 3-018-4f-B

APPROVED: DEPARTMENT OF PUBLIC WORKS
D. M. McLeod 12/26/73
 Chief, Bureau of Highways Date

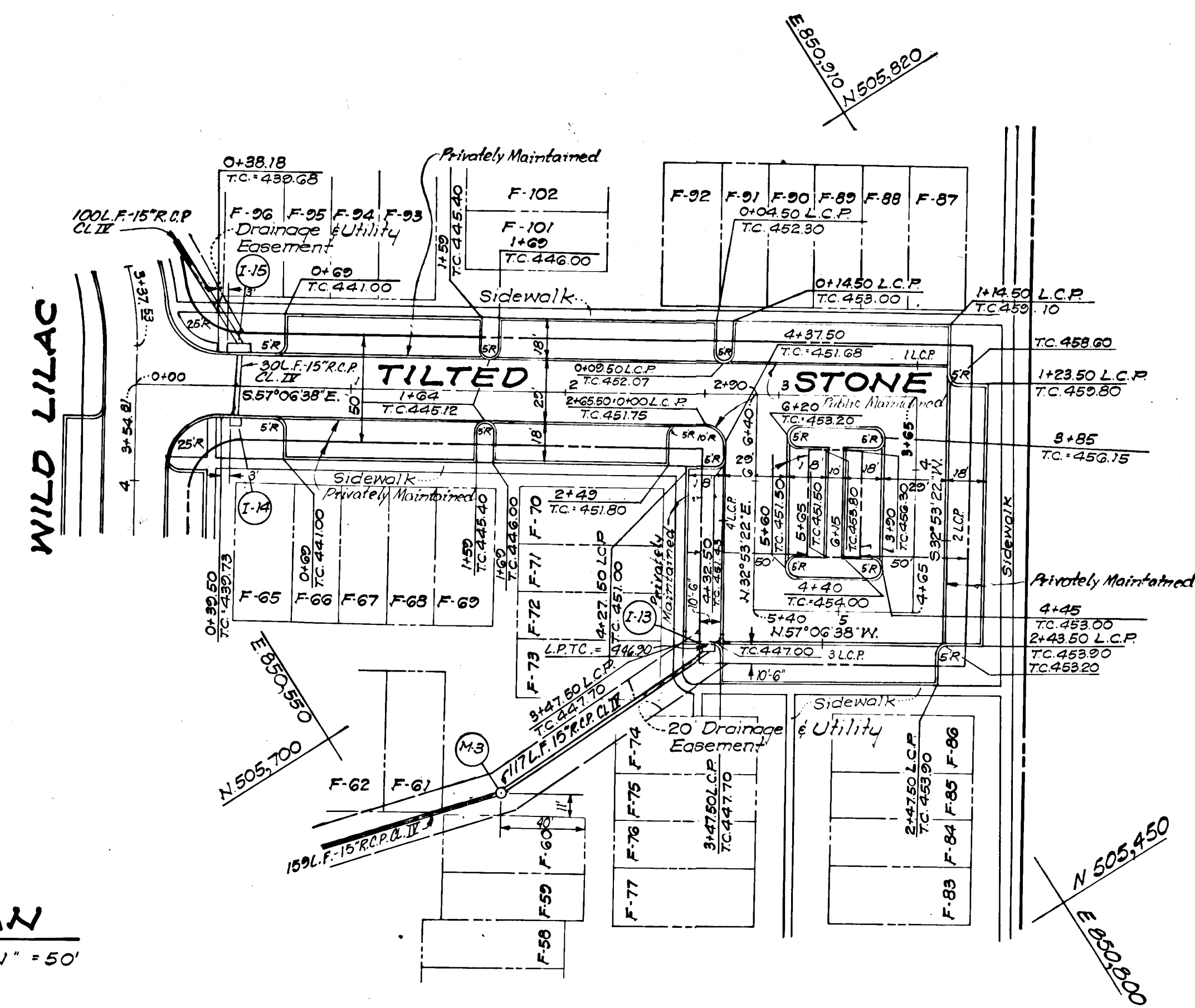
APPROVED: HOWARD CO., OFFICE OF PLANNING & ZONING
[Signature] 12/14/73
 Chief Division of Land Development Date
 & Transportation Planning

APPROVED
 DIVISION OF LAND DEVELOPMENT
 AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 DATE 12/14/73

Notes:
 7" Comb C&G - Along non parking areas
 5" Reveal Barrier Curb - Outside perimeter parking areas
 4" Mod. Com. C&G - Inside perimeter parking areas

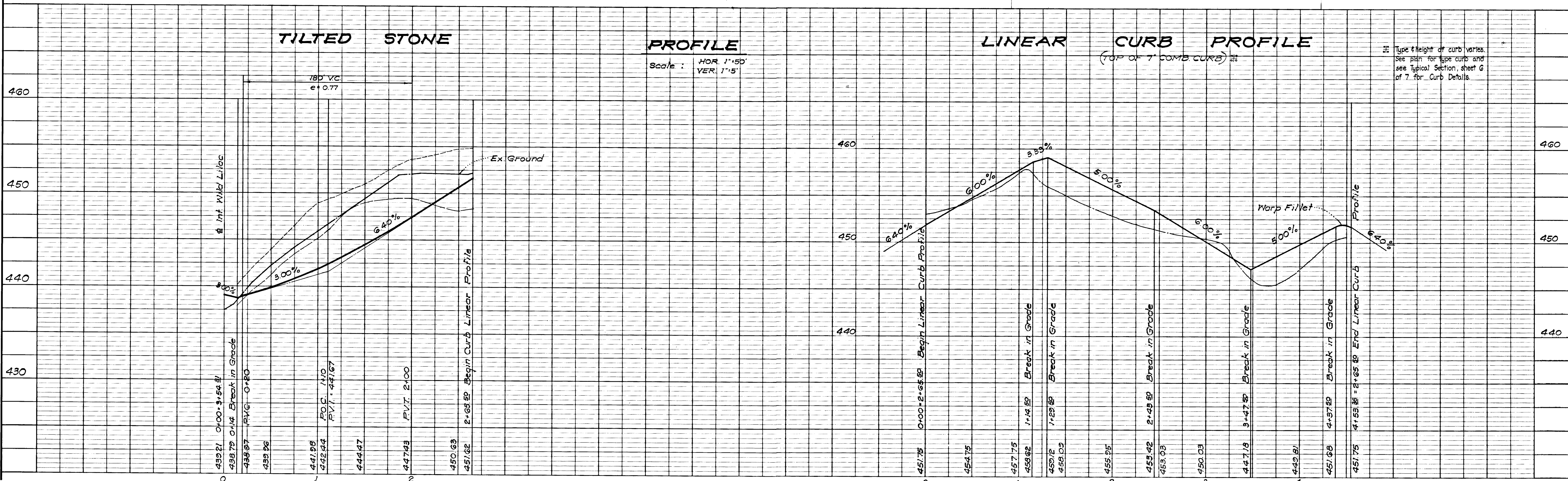
LEGEND
 Existing ground @ 6' _____
 Existing ground @ 45' Left - - - - -
 Existing ground @ 45' Right - - - - -
 Proposed Profile Grade _____

PLAN
 SURVEYED BY _____ DATE _____
 PLOTTED BY _____
 NOTE BOOK NO. _____
 GRADE CHECKED BY _____
 N. M. S. NOTED BY _____
 STRUCTURE INSTALLATION CHECKED BY _____



PLAN
 Scale: 1" = 50'

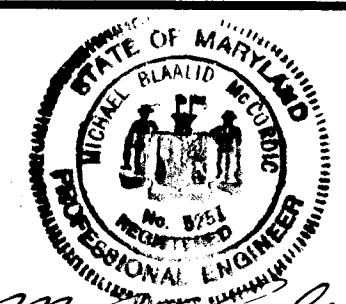
PROFILE
 SURVEYED BY _____ DATE _____
 PLOTTED BY _____
 NOTE BOOK NO. _____
 GRADE CHECKED BY _____
 N. M. S. NOTED BY _____
 STRUCTURE INSTALLATION CHECKED BY _____



PROFILE
 Scale: HOR. 1" = 50'
 VER. 1" = 5'

LINEAR CURB PROFILE
 (TOP OF 7" COMB CURB)

Type & height of curb varies. See plan for type curb and see typical section sheet G of 7 for Curb Details.



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 434-7000 20903

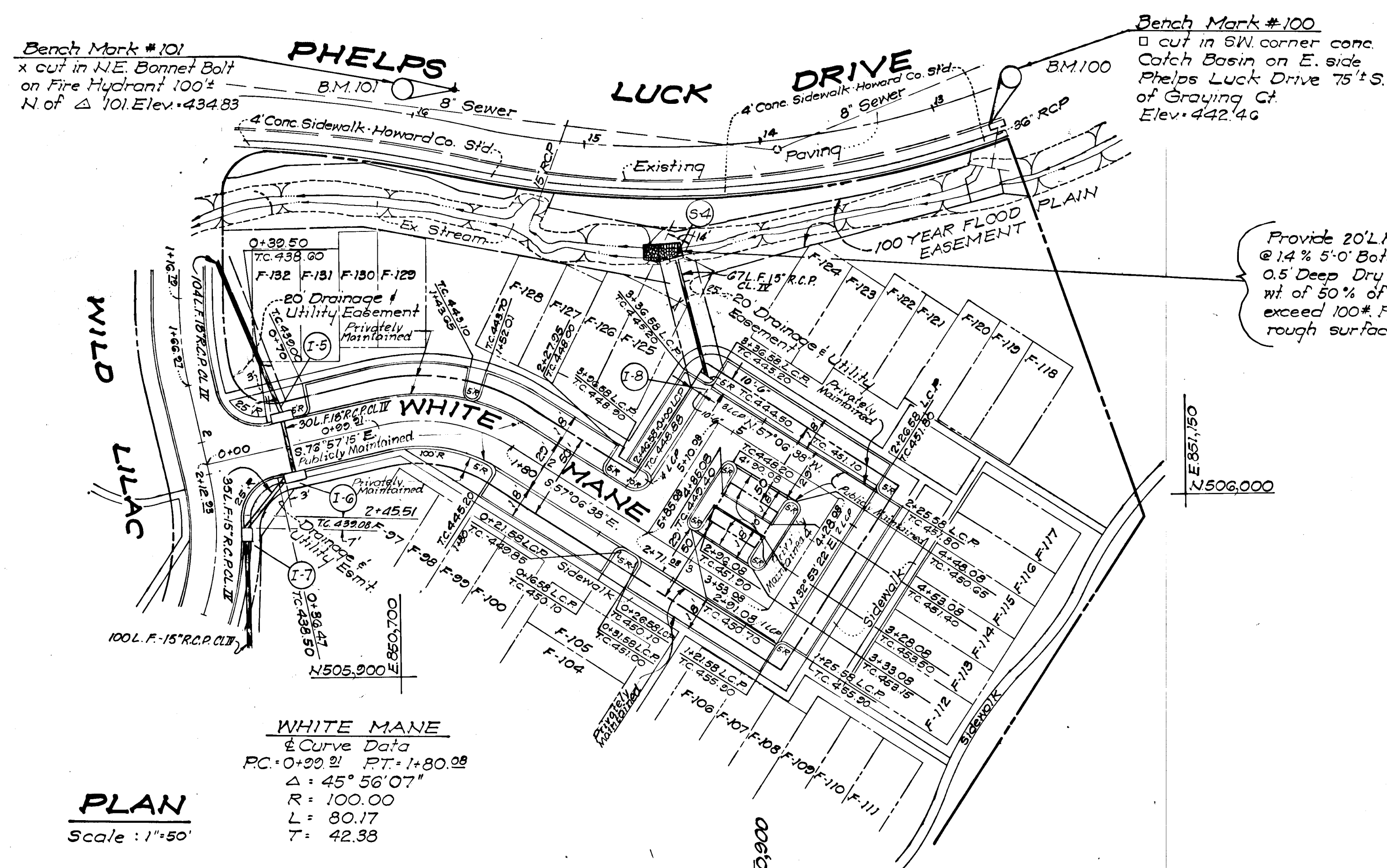
STORM DRAIN AND PAVING PLAN
COLUMBIA-VILLAGE OF LONGREACH
 SECTION I - AREA I
TILTED STONE
 A RESUBDIVISION OF PARCEL "F"
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

OWNER: Poretsky & Starr
 8401 Connecticut Avenue
 Chevy Chase, Maryland
 652-5921 20015

DESIGN: MWM/BJB SHEET 3 of 8
 DRAFT: CJW/TEF DATE: 3-08-74 JOB NO: 3-016-17
 APPROVED: MWM/BJB SCALE: AS SHOWN FILE NO: 3-018-4'8

DATE	
BY	
REVISION	
NO. 1	
NO. 2	
NO. 3	
NO. 4	
NO. 5	
NO. 6	
NO. 7	
NO. 8	
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NO. 100	

DATE	
BY	
REVISION	
NO. 1	
NO. 2	
NO. 3	
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NO. 7	
NO. 8	
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NO. 10	
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NO. 95	
NO. 96	
NO. 97	
NO. 98	
NO. 99	
NO. 100	



WHITE MANE
 & Curve Data
 PC: 0+00.21 FT. +180.28
 Δ: 45° 56' 07"
 R: 100.00
 L: 80.17
 T: 42.33

PLAN
 Scale: 1"=50'

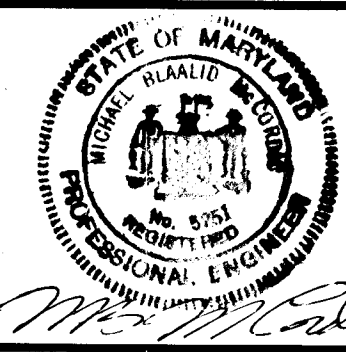
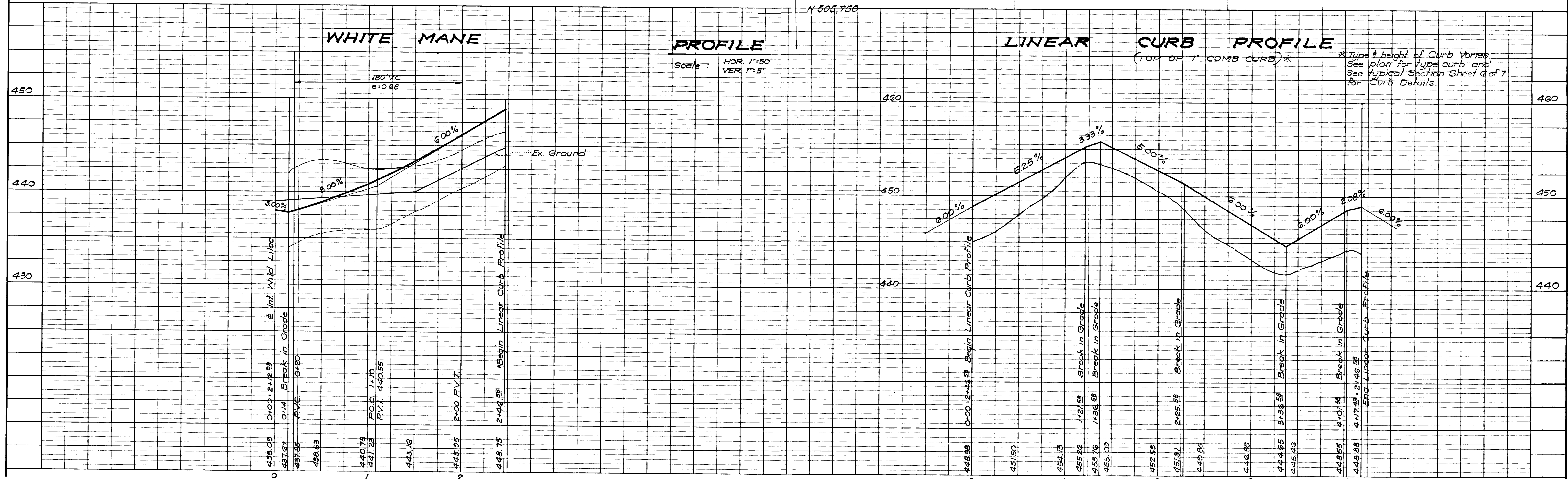
APPROVED: DEPARTMENT OF PUBLIC WORKS
B. M. McLeod 12/26/73
 Chief, Bureau of Highways Date
 APPROVED: HOWARD CO., OFFICE OF PLANNING & ZONING
W. McLeod
 Chief, Division of Land Development & Transportation Planning Date

APPROVED
 DIVISION OF LAND DEVELOPMENT & TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 12/14/73
J. E. ...

- NOTES-**
1. 7" Comb Curb & Gutter - Along non-parking areas.
 2. 5" Reveal Barrier Curb - Outside perimeter parking areas.
 3. 4" Mod Comb Curb & Gutter - Inside perimeter parking areas.

LEGEND

- Existing ground @ 0' ————
- Existing ground @ 45' Left - - - - -
- Existing ground @ 45' Right - - - - -
- Proposed Profile Grade ————



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 434-7000

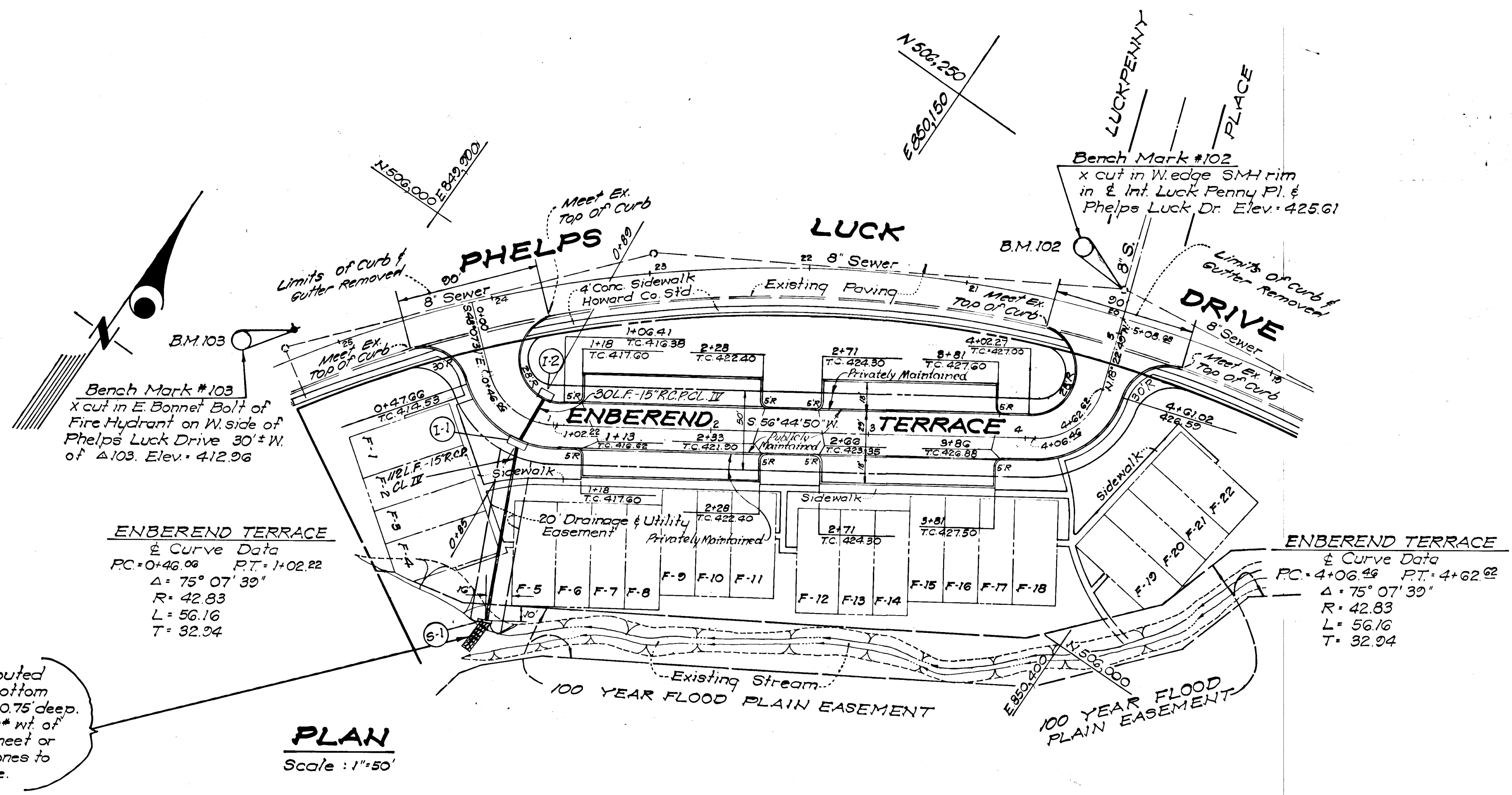
STORM DRAIN AND PAVING PLAN
COLUMBIA VILLAGE OF LONGREACH
 SECTION I - AREA I
WHITE MANE
 A RESUBDIVISION OF PARCEL "F"
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

OWNER: Poretzky & Starr
 8401 Connecticut Avenue
 Chevy Chase, Maryland
 652-5921 20015

DESIGN: CJB & MWM SHEET 4 OF 8
 DATE: 3-08-77
 DRAFT: CJJ & TEF
 APPROVED: BJB & MWM SCALE: AS SHOWN FILE NO. 3-08-77 B

APPROVED: DEPARTMENT OF PUBLIC WORKS
D. M. McNeill 12/26/73
 Chief, Bureau of Highways Date

APPROVED: HOWARD CO., OFFICE OF PLANNING & ZONING
[Signature] 12/14/73
 Chief Division of Land Development & Transportation Planning Date



- NOTES:
1. Type and height of curb varies. See plan for type of curb and see typical sections Sheet # of 7 for curb details.
 2. 7" Comb curb & gutter - Along non parking areas.
 3. 5" Reveal Barrier Curb - Outside perimeter parking areas.
 4. 4" Modified Comb Curb & Gutter - Inside perimeter parking areas.

LEGEND

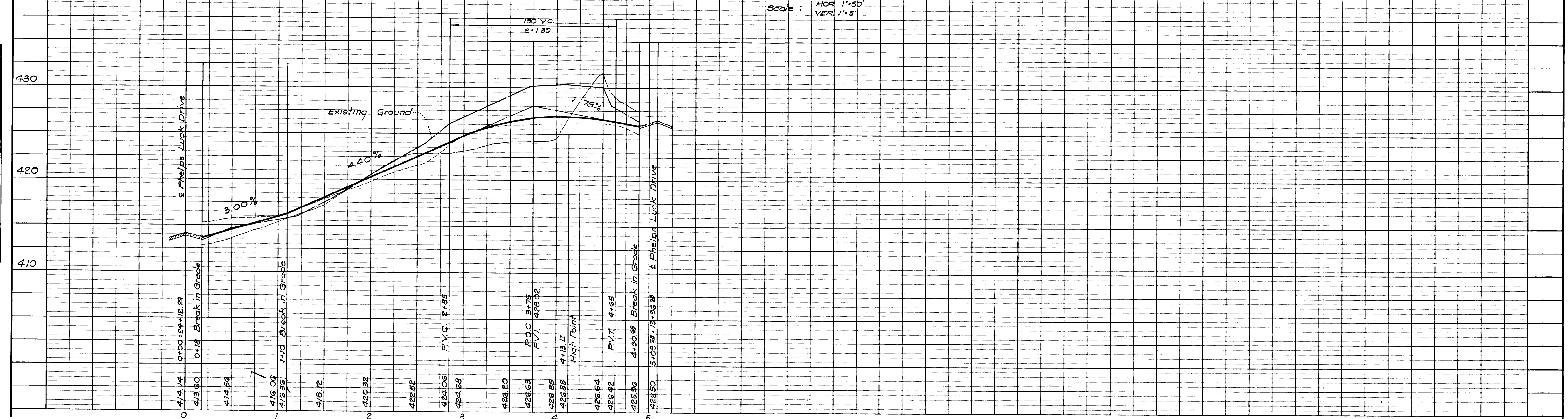
Existing ground @ 45' Left -----

Existing ground @ 45' Right -----

Proposed Profile Grade -----

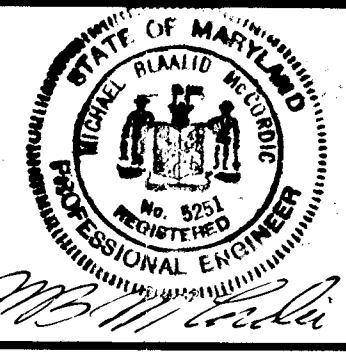
ENBEREND TERRACE PROFILE

Scale: HOR 1"=50'
 VER 1"=5'



DATE: _____
 BY: _____
 SURVEYED: _____
 PLOTTED: _____
 ALIGNED CHECKED: _____
 BY: _____
PLAN
 NOTE BOOK No. _____

DATE: _____
 BY: _____
 SURVEYED: _____
 PLOTTED: _____
 N.M.S. NOTED: _____
 STRUCTURE NOTATIONS CHECKED: _____
PROFILE
 NOTE BOOK No. _____



JOHNSON - MCCORDIC - THOMPSON
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 434-7000

STORM DRAIN AND PAVING PLAN
COLUMBIA-VILLAGE OF LONGREACH
 SECTION I - AREA I
ENBEREND TERRACE
 A RESUBDIVISION OF PARCEL "F"
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

OWNER: Paretsky & Starr
 8401 Connecticut Avenue
 Chevy Chase, Maryland
 652-5921 20015

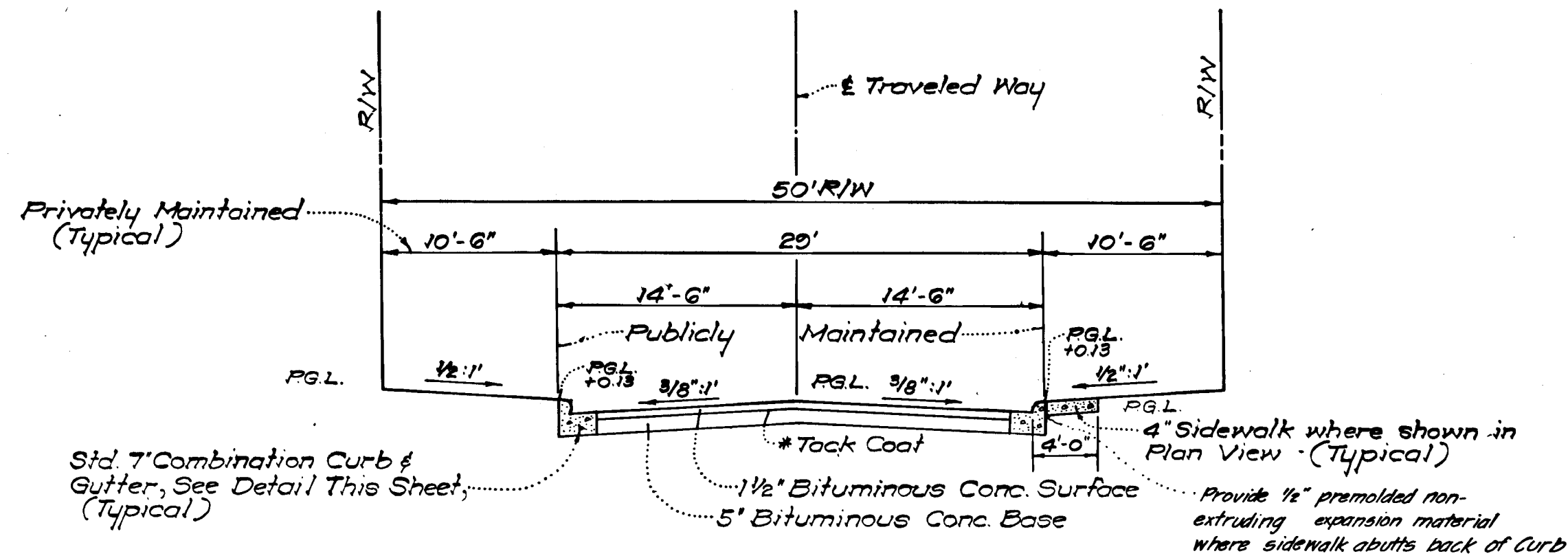
DESIGN: CJB/MWM SHEET 5 OF 8
 DRAFT: CJJ/TEF DATE: 3-018-41 JOB NO: 3-018-17
 APPROVED: CJB/MWM SCALE: AS SHOWN FILE NO: 3-018-4 B

D. M. McKeon 12/26/73
 Chief, Bureau of Highways DATE

APPROVED HOWARD CO. OFFICE OF PLANNING & ZONING

John J. ... 12/26/73
 CHIEF DIVISION OF LAND DEVELOPMENT & TRANSPORTATION PLANNING DATE

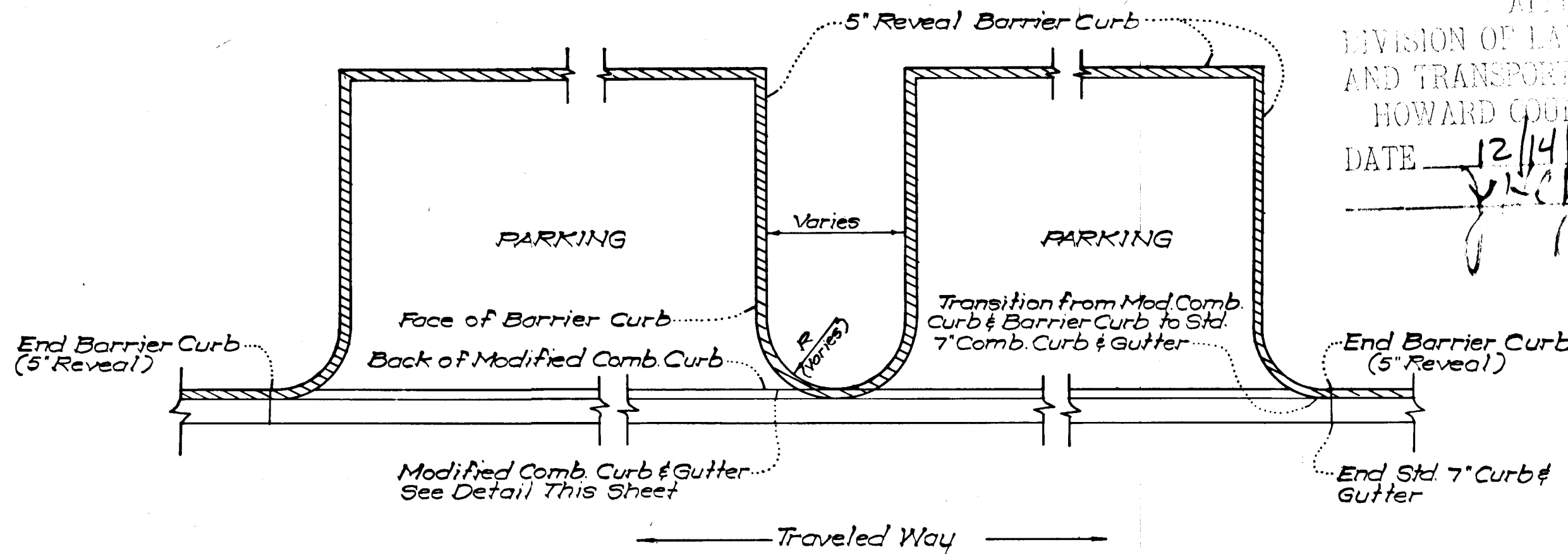
APPROVED
 DIVISION OF LAND DEVELOPMENT
 AND TRANSPORTATION PLANNING
 HOWARD COUNTY, MARYLAND
 DATE 12/14/73



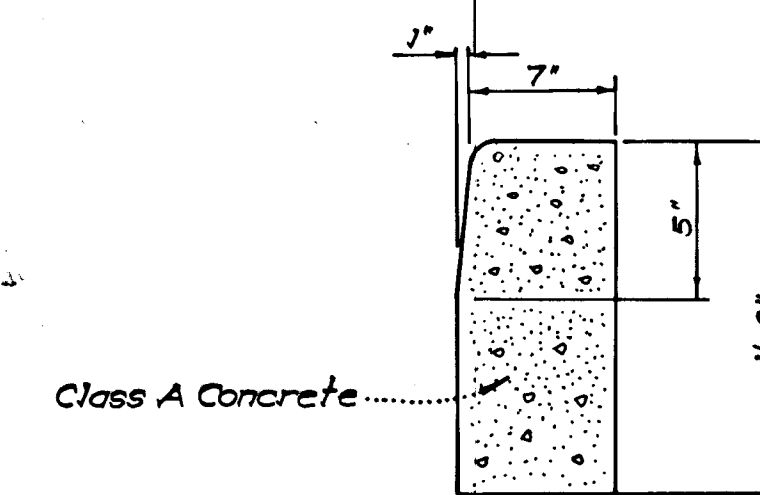
TYPICAL SECTION - 50' RIGHT OF WAY

NO PARKING

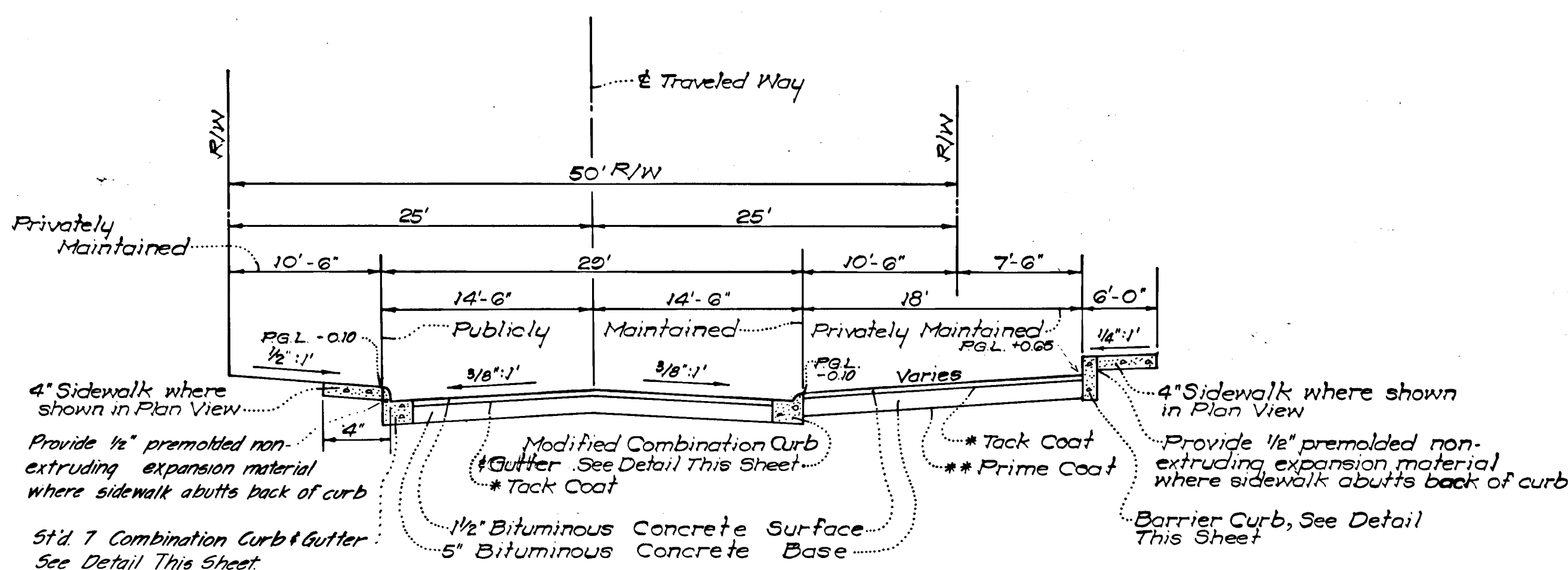
- * Tack Coat 5" Base Course in accordance with Howard County Std. Specs. Section C-31-4.
- ** Prime Coat Ex. Subbase in accordance with Howard County Std. Specs. Section C-30-3.



CURB & GUTTER DETAIL FOR PARKING AREAS

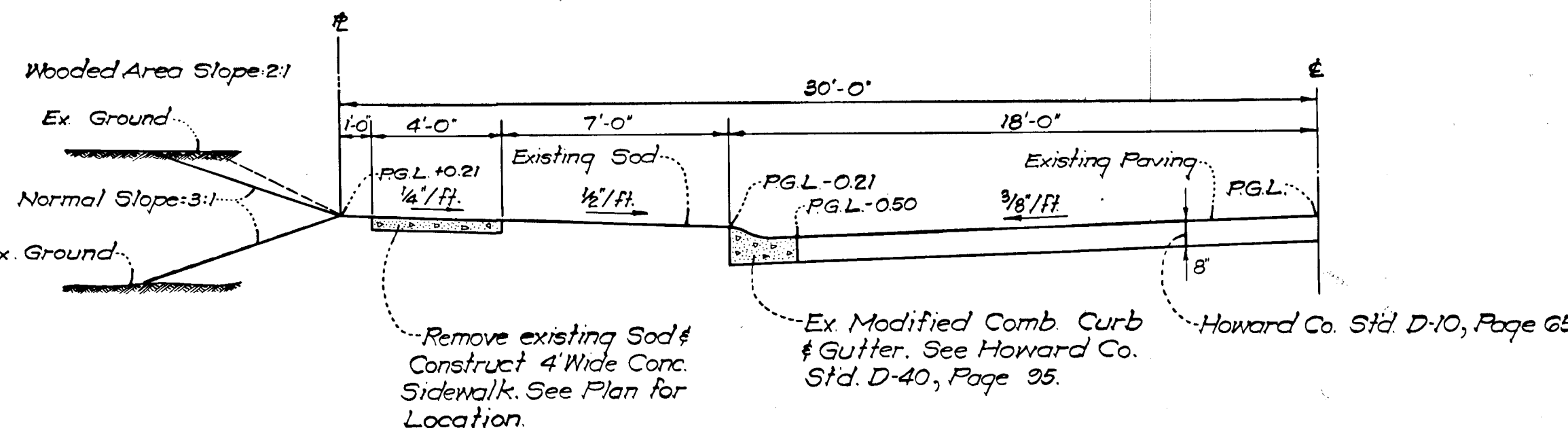


**TYPICAL DETAIL
 BARRIER CURB (5' Reveal)**
 Howard Co. Std. Drawing #D-40 Pg. 95
 No Scale



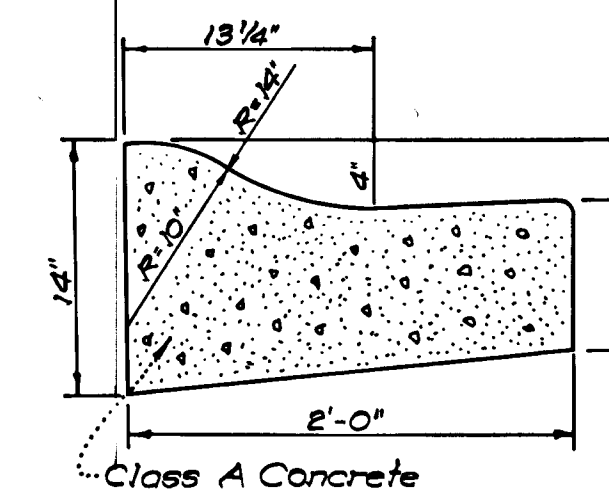
TYPICAL SECTION WITH PARKING AREAS

- * Tack Coat 5" Base Course in accordance with Howard County Std. Specs. Section C-31-4.
- ** Prime Coat Ex. Subbase in accordance with Howard County Std. Specs. Section C-30-3.

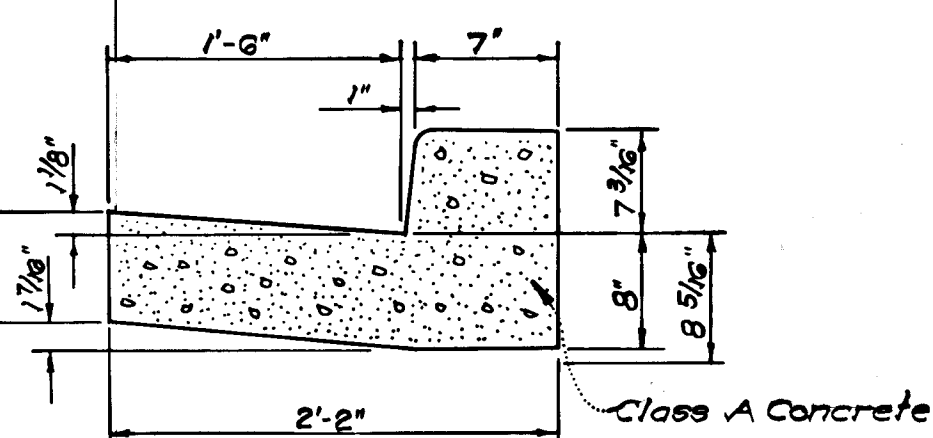


**TYPICAL HALF SECTION
 PHELPS LUCK DRIVE
 60' R/W - 36' ROADWAY**

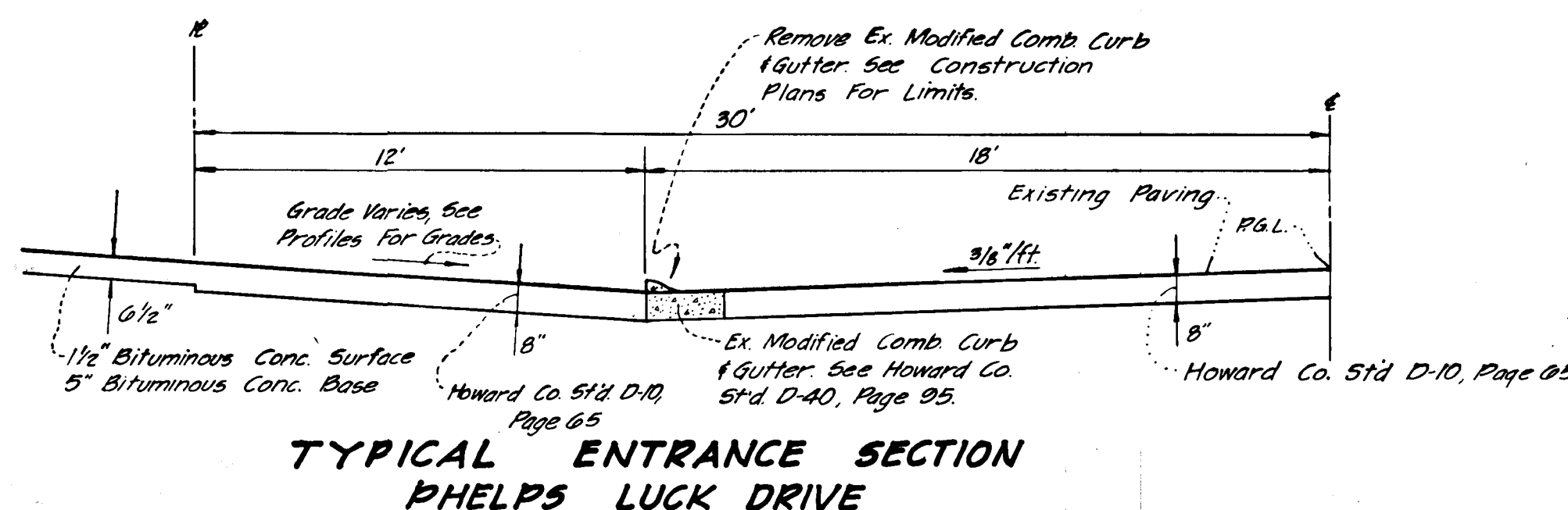
**MODIFIED COMBINATION
 CURB & GUTTER**
 Howard Co. Std. Drawing #D-40 Pg. 95
 No Scale



**STD. 7" COMBINATION
 CURB & GUTTER**
 Howard Co. Std. Drawing #D-40 Pg. 95
 No Scale



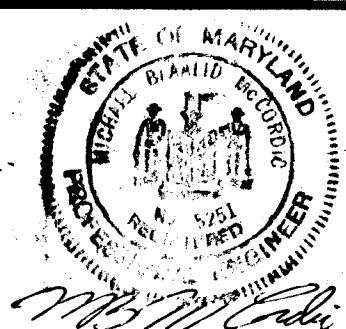
DETAIL PLANS



**TYPICAL ENTRANCE SECTION
 PHELPS LUCK DRIVE**

TYPICAL PAVING SECTION THRU COURT

- * Tack Coat 5" Base Course in accordance with Howard County Std. Specs. Section C-31-4.
- All Material and Construction shall be in accordance with Howard County Road Code & Standard Specifications.

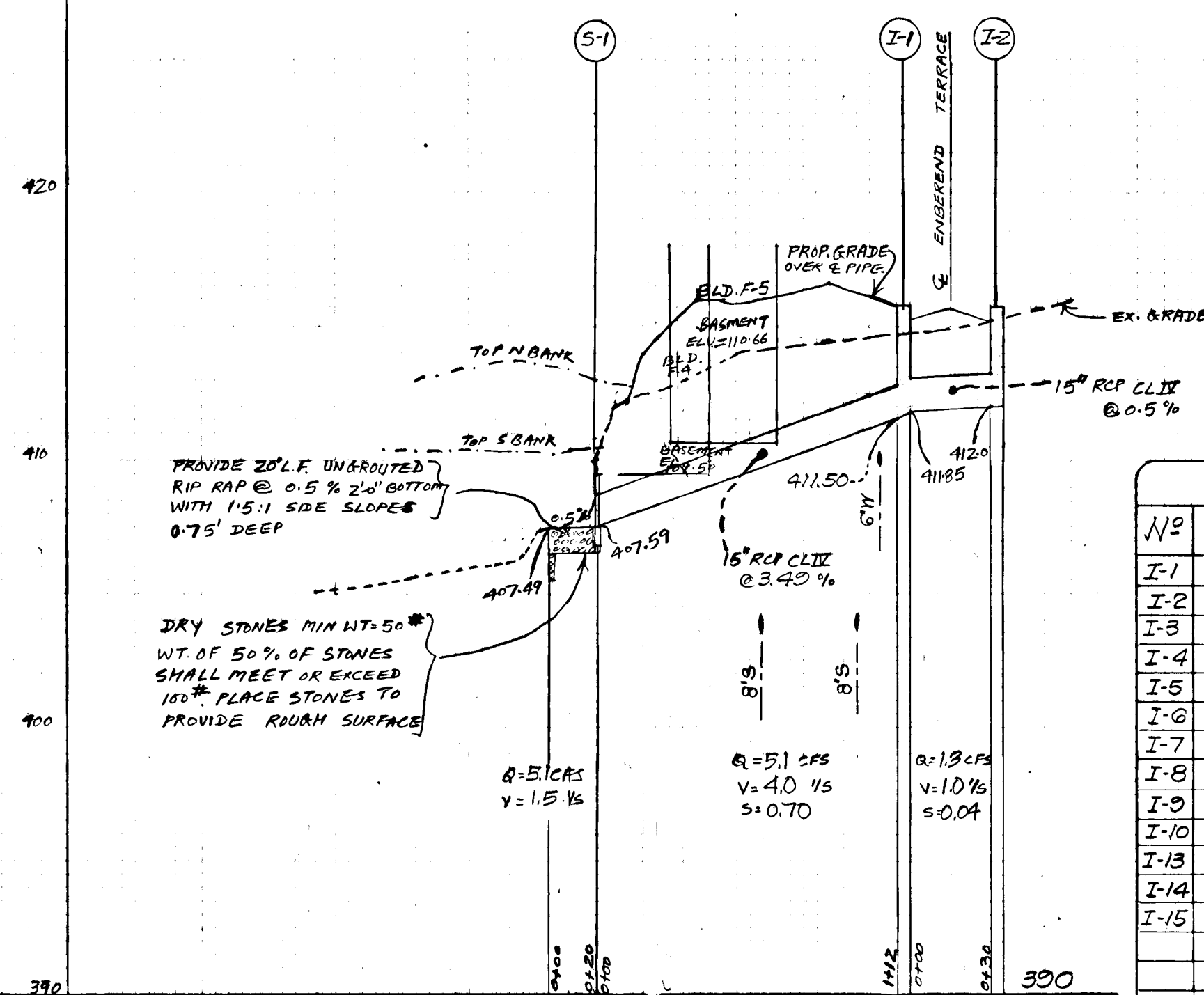


JOHNSON - MCCORDIC - THOMPSON
 ENGINEERS • PLANNERS • SURVEYORS
 1620 ELTON ROAD SILVER SPRING, MD.
 434-7000 20903

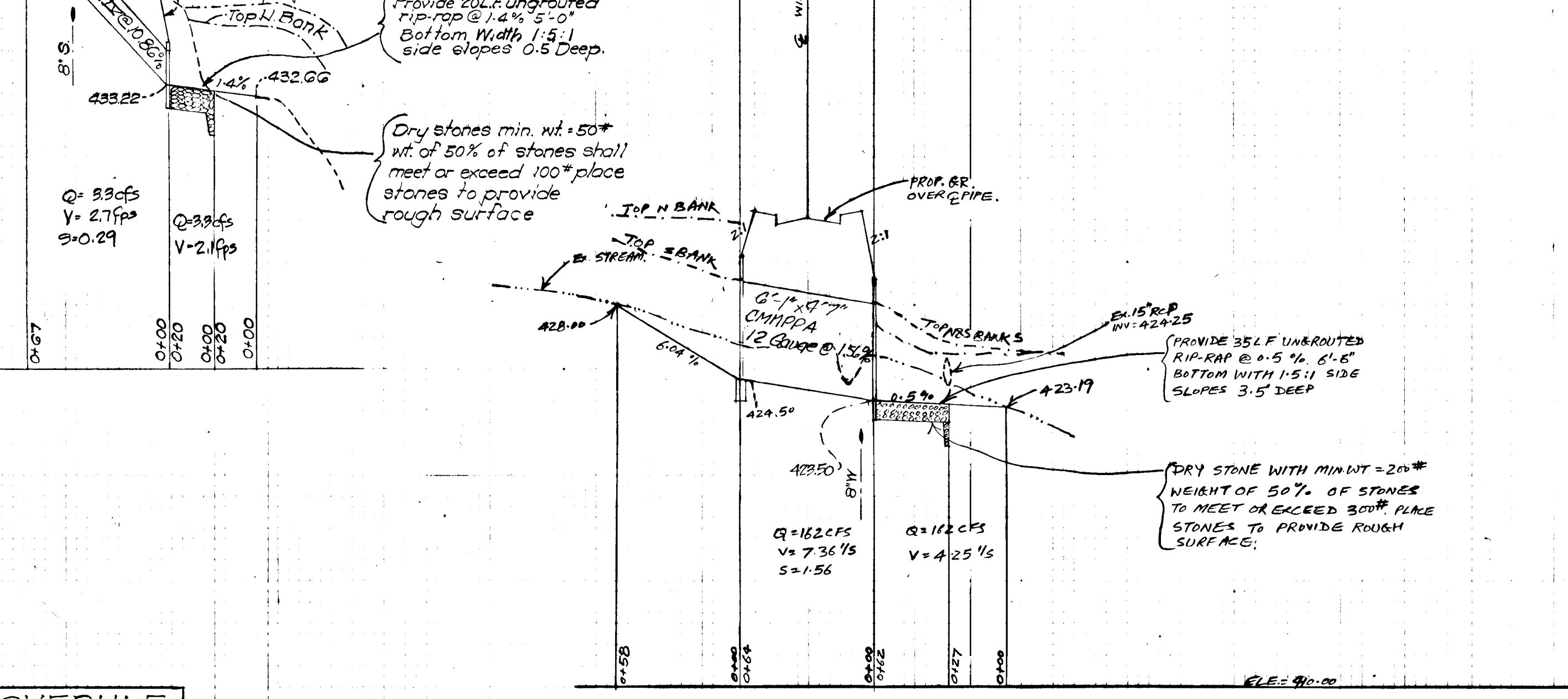
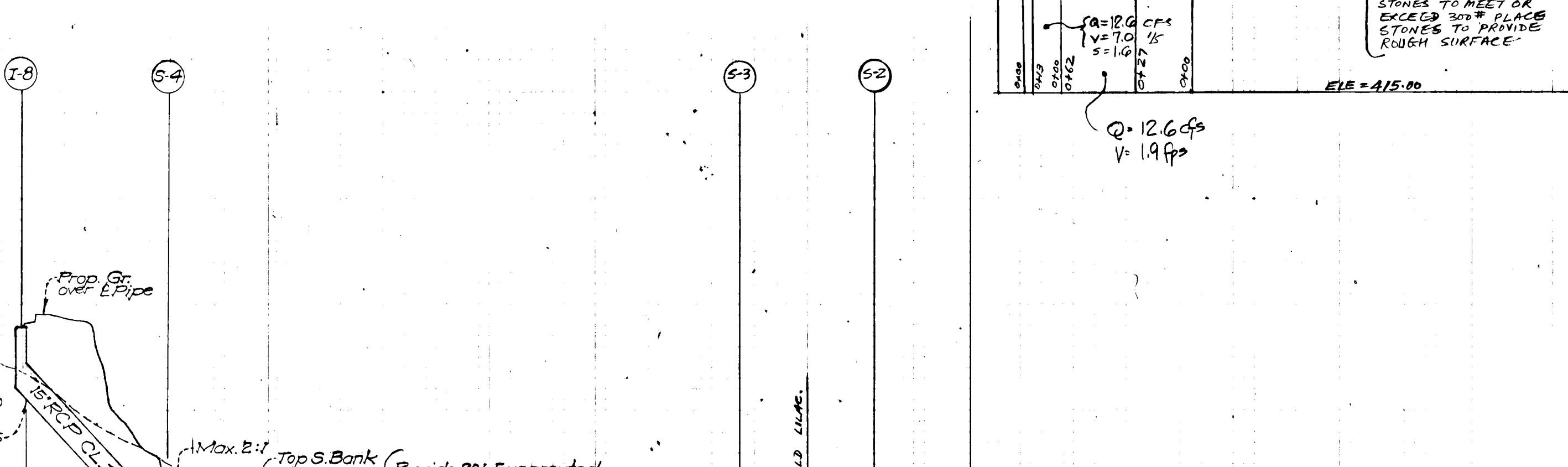
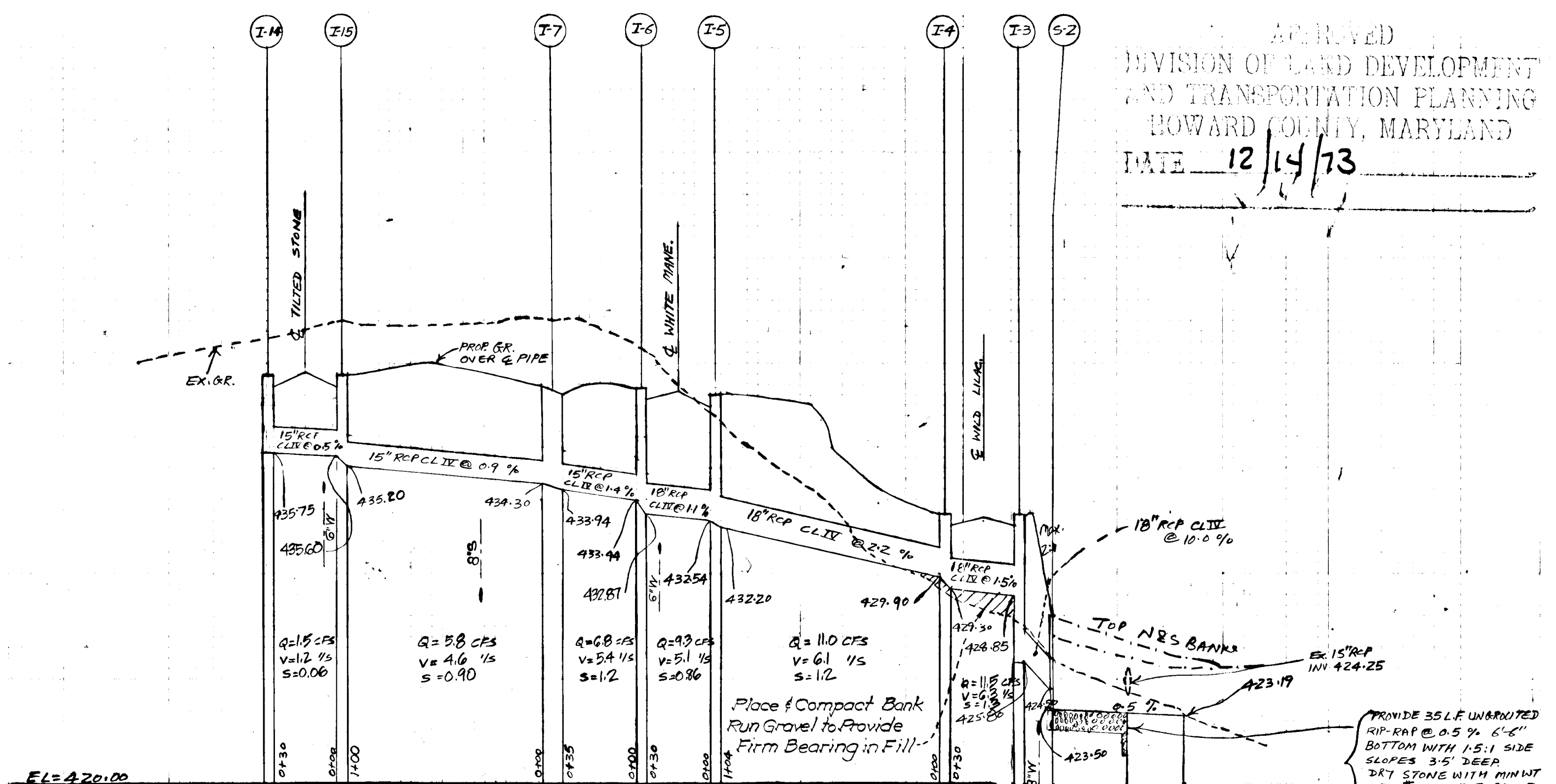
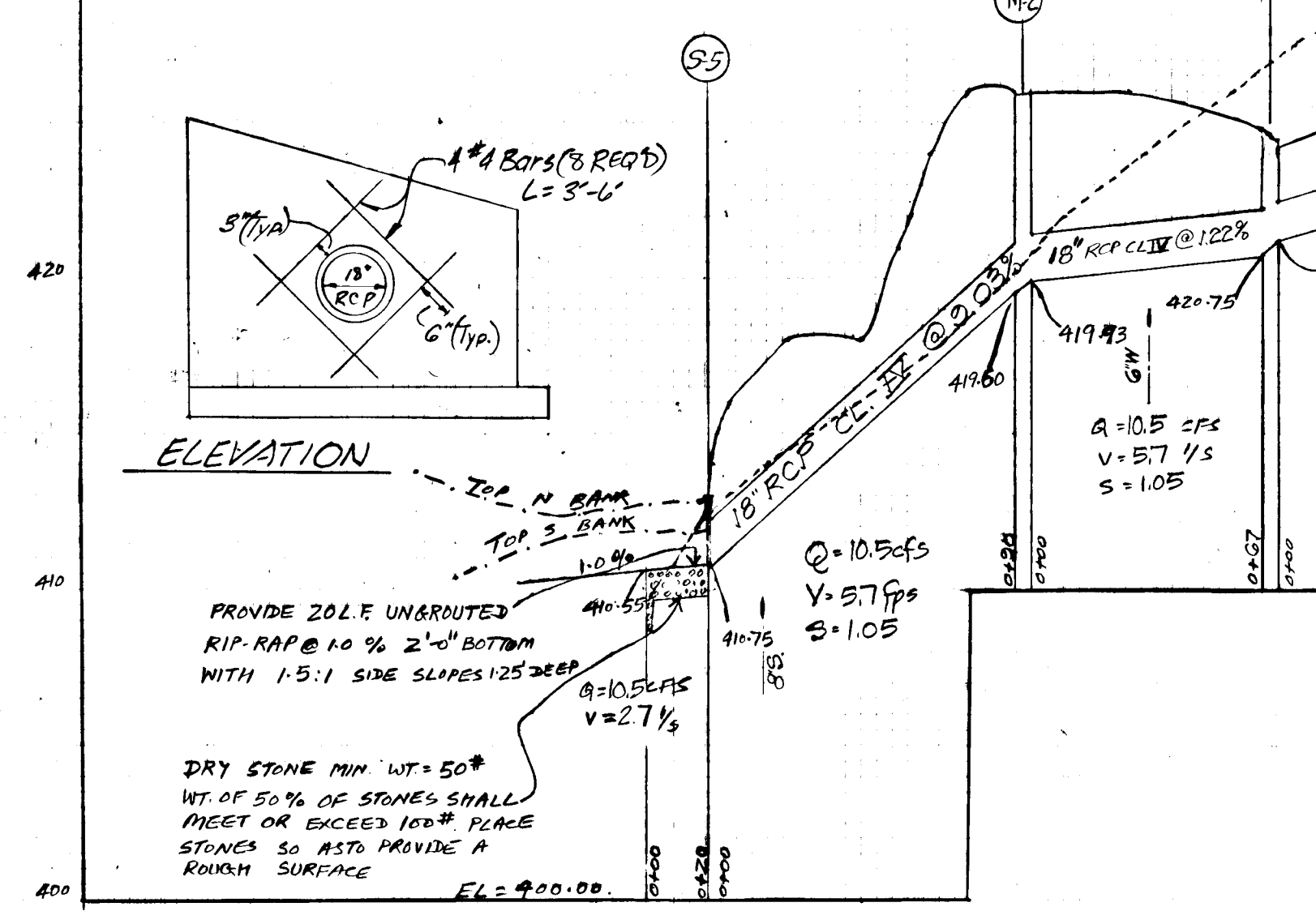
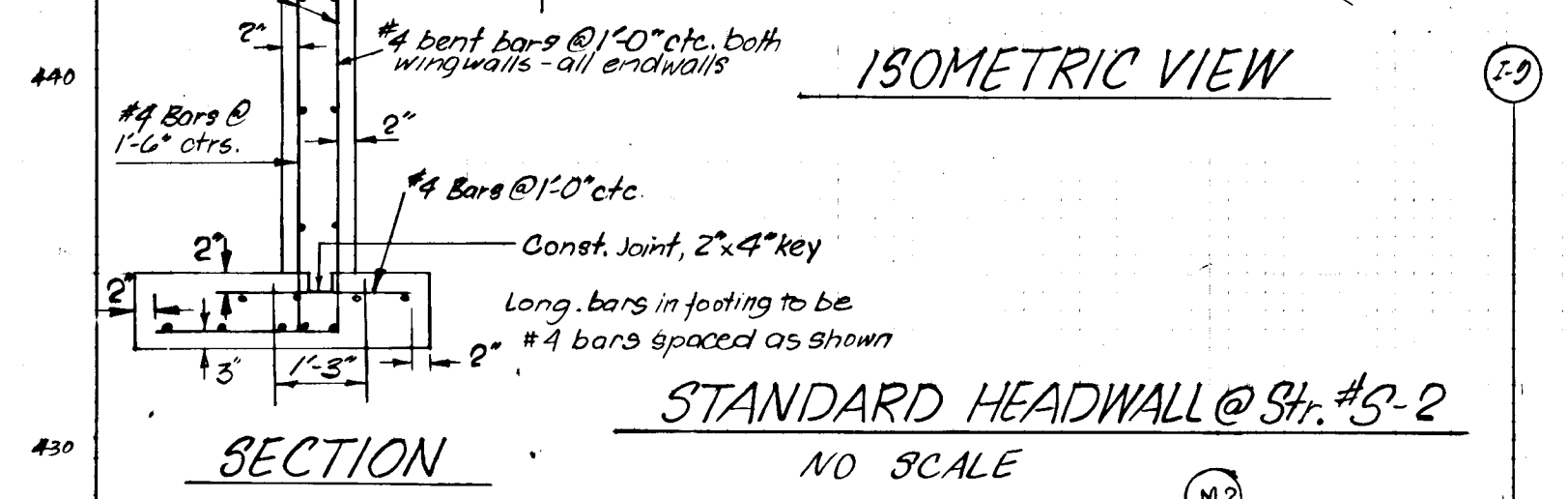
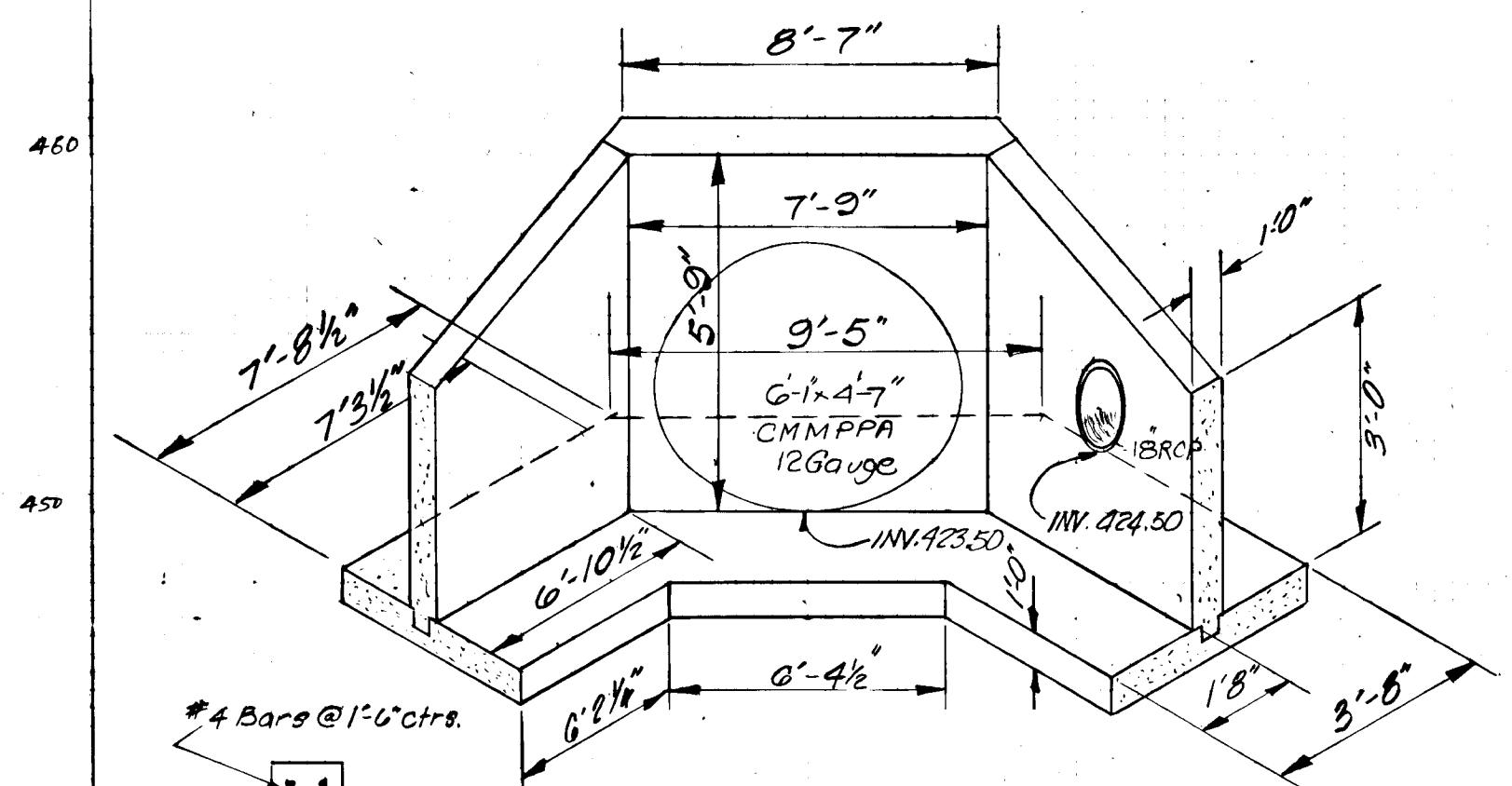
**STORM DRAIN AND PAVING PLAN
 COLUMBIA-VILLAGE OF LONGREACH**
 SECTION I - AREA I
 LOTS 1 TO 137
 A RESUBDIVISION OF PARCEL "F"
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

OWNER: Poretsky & Starr
 8401 Connecticut Avenue
 Chevy Chase, Maryland
 652-5921 20015

DESIGN: BJB/MWM	SHEET: 6 OF 8
DRAWN: CJJ	DATE: 3-018-77
APPROVED: BJB/MWM	SCALE: No Scale
	FILE NO: 3-018-44
	3-018-44 - B



STRUCTURE SCHEDULE						
NO	TYPE	TOP ELEVATION		REMARKS	INV. ELEV.	
		UPPER	LOWER		IN	OUT
I-1	A-10 INLET	415.88	415.59	Howard Co. Std. W-2-C' Dwg. 04A, Page 119-A	411.85	411.50
I-2	A-5 INLET	416.03	415.70	"	"	412.00
I-3	A-5 INLET	432.83	432.64	"	"	428.85
I-4	A-5 INLET	432.83	432.64	"	"	429.90
I-5	A-10 INLET	439.10	438.70	"	"	432.54
I-6	A-10 INLET	438.59	438.59	"	"	433.44
I-7	A-5 INLET	439.33	439.22	"	"	434.30
I-8	A-5 INLET	444.41	444.42	Howard Co. Std. Dwg. D-38, Page 153	"	440.5
I-9	A-5 INLET	424.50	424.50	"	"	421.25
I-10	A-5 INLET	429.50	429.50	"	"	426.25
I-11	A-5 INLET	440.00	440.00	"	"	438.50
I-14	A-5 INLET	440.04	439.83	Howard Co. Std. W-2-C' Dwg. 04A, Page 119-A	"	435.75
I-15	A-10 INLET	440.20	439.77	"	"	435.60
M-2	8" Manhole	425.90	425.90	Howard Co. Std. Dwg. Page 9	419.93	419.00
M-3	8" Manhole	436.00	436.00	"	"	433.00
S-1	"C" Endwall	"	"	Howard Co. Std. D-15 Dwg. D-52, Page 107	407.53	407.50
S-2	"B" Endwall	"	"	" For 6" x 4" Pipe Dwg. D-35 Page 104	424.50	424.50
S-3	"B" Headwall	"	"	" Dwg. D-49, Page 104	434.50	434.50
S-4	"C" Endwall	"	"	" D-15 Dwg. D-52, Page 107	433.22	433.22
S-5	"C" Endwall	"	"	" D-15	410.75	410.75



PIPE SCHEDULE		
SIZE	TYPE	LENGTH
15"	RCP CL. IV	80'
18"	RCP CL. IV	342'
6"	CMMPPA 12	64'

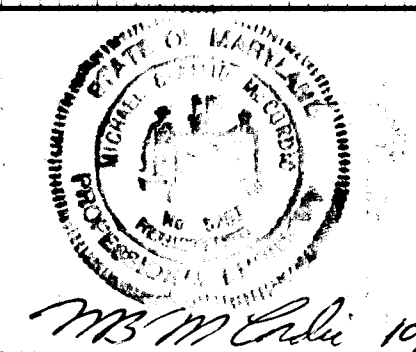
SCALE
Horiz: 1"=50'
Vert: 1"=5'

APPROVED: DEPARTMENT OF PUBLIC WORKS

APPROVED: HOWARD CO. OFFICE OF PLANNING & ZONING

B. N. McNeiland
CHIEF, BUREAU OF HIGHWAYS
12/26/73
DATE

12/14/73
DATE
CHIEF DIVISION OF LAND DEVELOPMENT
& TRANSPORTATION PLANNING



JOHNSON - MCCORDIC - THOMPSON
ENGINEERS - PLANNERS - SURVEYORS
1620 ELTON ROAD
434-7000
SILVER SPRING, MD.
20903

STORM DRAIN AND PAVING PLAN
STORM DRAIN PROFILES
COLUMBIA-VILLAGE OF LONGREACH
SECTION I - AREA I
A RESUBDIVISION OF PARCEL 1
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

OWNER: Forestley & Star
8401 Connecticut Ave. Suite PH7
Cherry Chase, Md. 20715
301 393-8700
DESIGN: H.G.D. SHEET 7 OF 8
DATE: SEPT, 1973 JOB NO: 104-17
DRAWN: H.G.D. SCALE: 3"=10'-0" FILE NO:
APPROVED: DATE: 3-10-74