

- ### GENERAL NOTES
- Approximate locations of existing mains are shown. The Contractor shall take all necessary precautions to protect existing mains and services and maintain uninterrupted supply. Any damage incurred shall be repaired immediately.
 - All horizontal controls are based on Maryland State Coordinates.
 - All Vertical controls are based on U.S.G.S. Datum.
 - All pipe elevations shown are invert elevations.
 - Clear all utilities by a minimum of 6'. Clear all Poles by 2'-0" minimum or tunnel as required.
 - For all standard details see standards bound in specifications.
 - Contractor shall locate existing utilities in advance of construction operations in vicinity of proposed utilities.
 - Contractor shall notify all utilities or agencies at least five (5) days before starting work under this Contract.
 - Baltimore Gas & Electric Co.
 - Underground Gas distribution - 553-0100
 - Underground Electric distribution - Damage Control - 234-5691
 - State Highway Admin. - 531-5533
 - Chesapeake & Potomac Telephone Co. - 725-9976
 - American Telephone & Telegraph Co.
 - Cable location Division - 301-993-3533
 - Colonial Pipe Line Co. - 781-4641
 - Trees are to be protected from damage to maximum extent. Trees located within Construction strip are not to be removed or damaged by Contractor.
 - Bench mark elevations & locations are noted.
 - Contractor shall remove trees, stumps & roots along line of excavation as directed by the Engineer. Payment for removal shall be included in the unit price bid for excavation & backfill for sewer mains.
 - Place regulation "MEN WORKING" & related warning signs as required to comply with Maryland State Highway Administration Manual of Traffic Control for Highway Construction and Maintenance Operations.
 - All sewer mains shall be C.S.P.X., V.C.P.X., or A.C.P. of 2400 unless otherwise noted.
 - The Contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole walls.
 - All manholes shall be 4'-0" inside diameter unless noted.
 - Cost of placing Rip-Rap & Polyfilter X to be included in the unit price bid for furnishing and placing sewer mains.
 - Gabions & Reno Mattresses may be used in areas subjected to high flows, in place of rip-rap as directed by the Engineer.
 - Areas of low flow shall be sodded.
 - Water-Tight Manhole frame & cover to be used where noted. See Standard Detail 5-12 (TRC-63A). Where Water-tight Manholes are to be used, set top of frame 1'-6" above finished grade as per detail on sheet 18 of 22.

CONTRACT NO. 412-S

SEWER MAIN EXTENSION

PROJECT NO. SP 6032

HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS

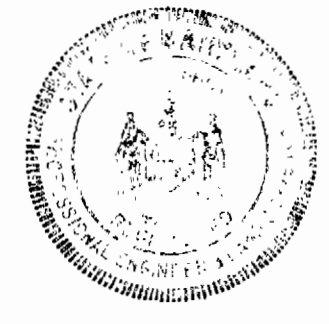
QUANTITIES	
ITEM	QUANTITY
8" Sewer	L.F.

NOTE: SEWER PIPES: "FLINTKOTE" - CLASS 2400-ACP
 "FLINTKOTE" - CLASS 3300-ACP

Contract No. 412-S, CAPITAL PROJ. SP6032

Little Patuxent Drainage Area.
 Outfall-Collector Sewers
 Pinewick Rd., Postwick Rd., Cypressmeda Dr.
 Ebbwood Dr., Pounwood Dr., Longview Dr.
 Hickorymeade Dr.

Richard P. Browne
 Richard P. Browne, P.E. & L.S.
 Md Lic. No. 5238



rba richard p. browne associates
 professional design & planning consultants
 columbia, maryland

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 DATE: 9-3-75
W. J. Libbert
 CHIEF BUREAU OF ENGINEERING

CONTRACT NO. 412-S

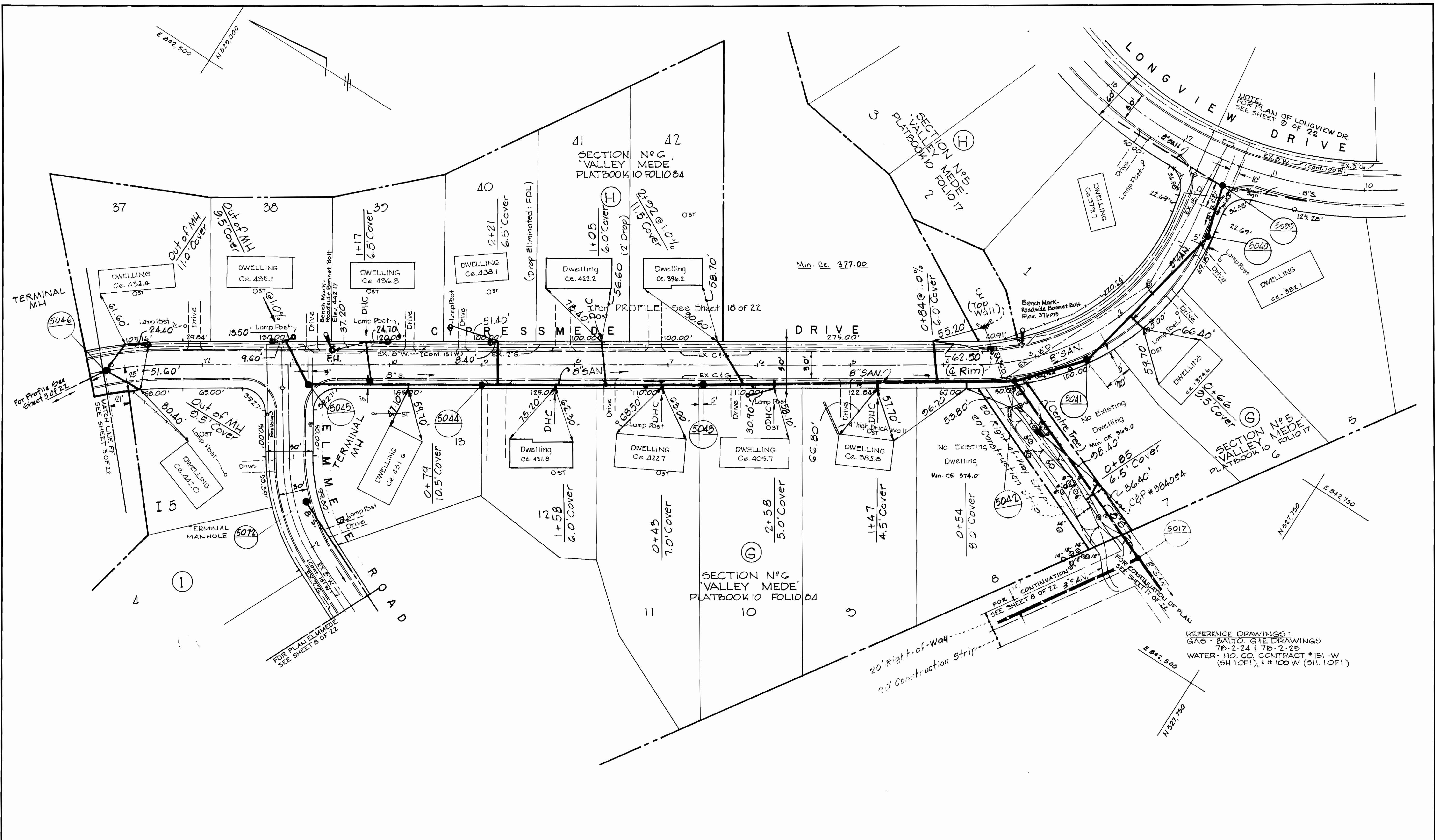
LOCATION MAP OF
 SEWER MAIN EXTENSIONS

Rev. No.	Rev. Date	Revision Description
1	1-7-75	DPW. Revisions

SEWER EXTENSIONS
 LITTLE PATUXENT DRAINAGE AREA
 ELECTION DIST. NO. 2

DRAWING	SCALE	DATE
NO. 1	AS SHOWN	4-26-74
OF 22		

AS BUILT 12-10-76

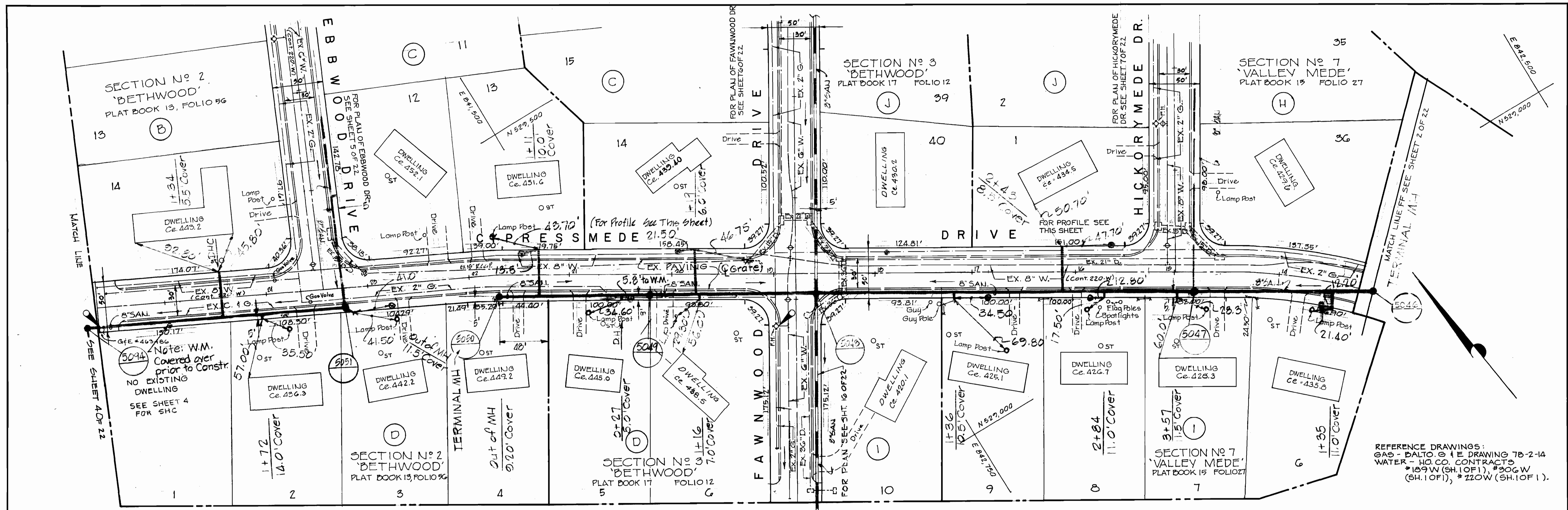


PLAN
SCALE: 1"=50'

REFERENCE DRAWINGS:
 GAO - BALTO. G.E. DRAWINGS
 7B-2-24 & 7B-2-25
 WATER - HO. CO. CONTRACT # 151-W
 (SH 10F1), # 100 W (SH 10F1)

CONT 412-5 PROJ. - SP6032
 Little Patuxent Drainage Area
 Outfall - Collector Sewers - Pinewick Rd.,
 Postwick Rd., Cypressmeade Dr., Ebbwood Dr.,
 Fawnwood, Longview Dr., Hickorymeade Dr.

RICHARD P. BROWNE ASSOCIATES CONSULTING ENGINEERS - PLANNERS THE AMERICAN CITY BUILDING, WINCOPIN CIRCLE COLUMBIA, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 7-19-75 DATE <i>W.D. Hubert</i> CHIEF BUREAU OF ENGINEERING	CONTRACT NO. 412-S	PLAN OF SANITARY SEWER MAINS	SEWER EXTENSIONS LITTLE PATUXENT DRAINAGE AREA ELECTION DISTRICT NO. 2	DRAWING NO. 2 OF 22	SCALE AS SHOWN
					Date: 4-26-74 REVISED 6-12-75	AS BUILT 12-10-76



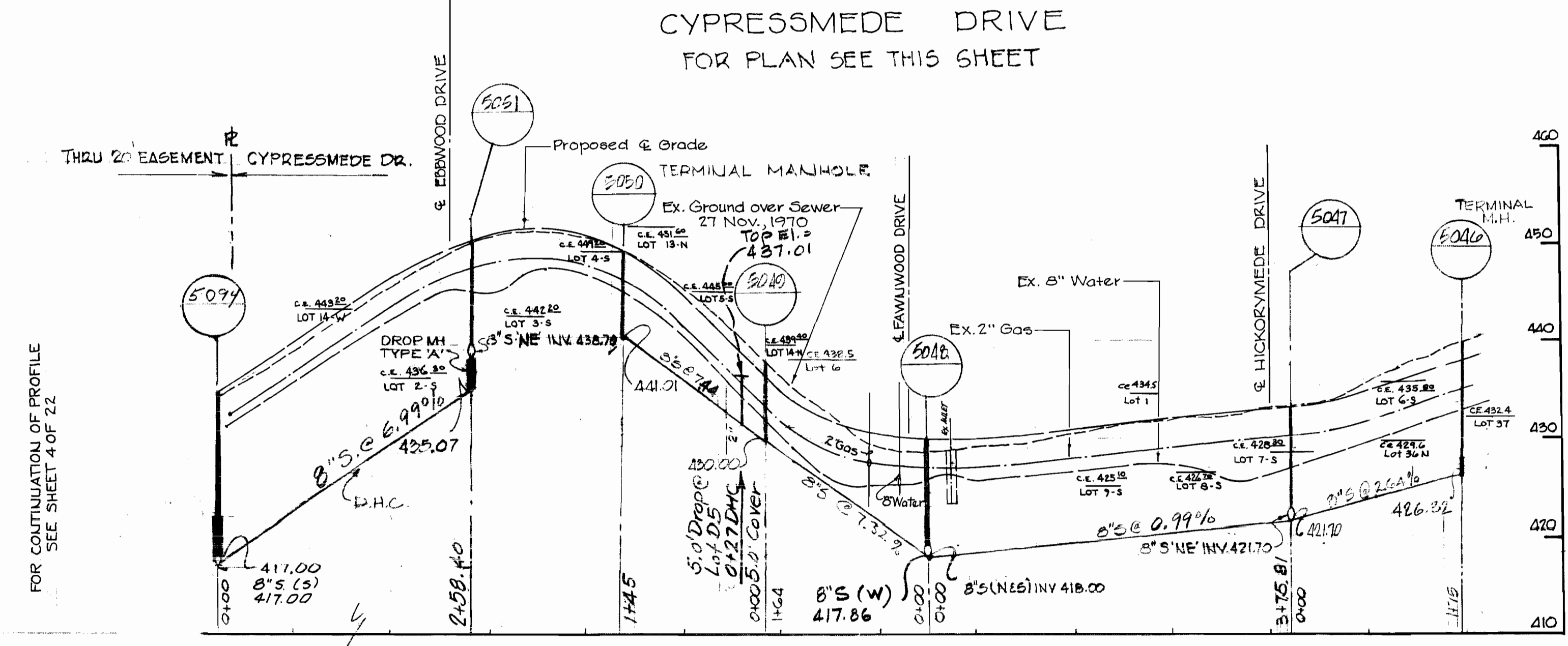
BENCH MARK "F"
 DESCRIPTION: NAIL IN GUY POLE
 NO. 443486 ELEV. 435.44

PLAN
 SCALE 1" = 50'

BENCH MARK
 DESCRIPTION: ROADSIDE BOLLARD
 BOLT F.H. @ S.W. COR. FAWNWOOD
 DRIVE & CYPRESSMEADE DRIVE.
 ELEV. 430.44

REFERENCE DRAWINGS:
 GAS - BALTO. & E DRAWING 76-2-14
 WATER - HQ. CO. CONTRACTS
 *189 W (SH.1 OF 1), *206 W
 (SH.1 OF 1), *220 W (SH.1 OF 1).

CYPRESSMEADE DRIVE
 FOR PLAN SEE THIS SHEET

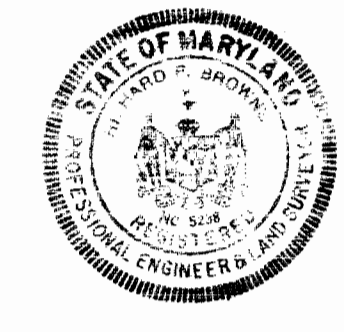


FOR CONTINUATION OF PROFILE
 SEE SHEET 4 OF 22

ACP Class 3300 or
 Low Grade VCPX or
 CSPX, 0+00 to 2+59

PROFILE
 SCALE: HORIZ. 1" = 100'
 VERT. 1" = 10'

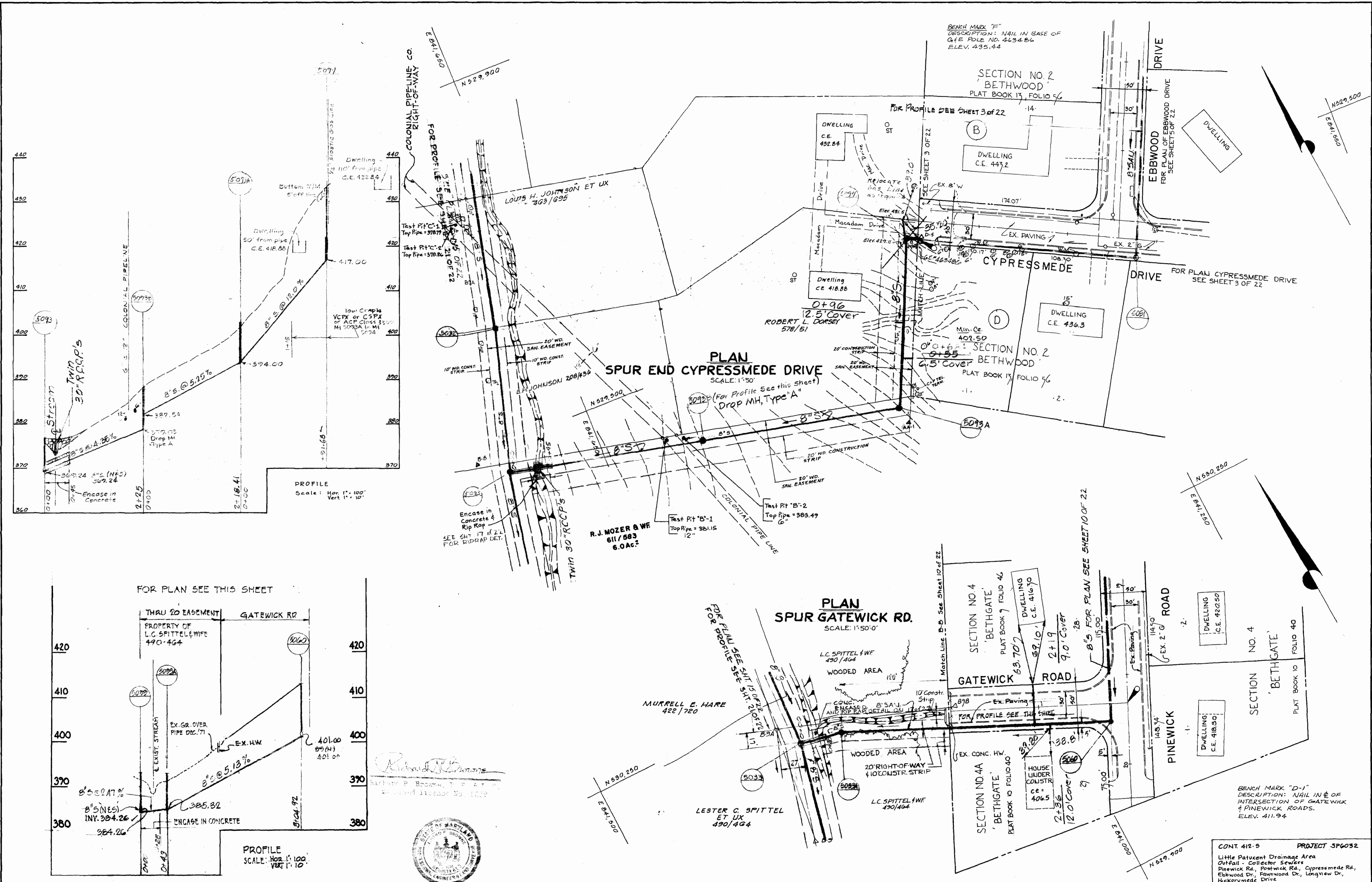
Richard P. Browne
 Richard P. Browne, P. E. & L. S.
 Maryland license No. 5238



CONT. 412-5 PROJ. SP6032
 Little Patuxent Drainage Area
 Outfall - Collector Sewers
 Pinewick Rd., Postwick Rd., Cypressmeade Rd.,
 Ebbwood Dr., Fawnwood Dr., Langview Dr.,
 Hickorymeade Drive

RICHARD P. BROWNE ASSOCIATES CONSULTING ENGINEERS-PLANNERS THE AMERICAN CITY BUILDING, WINGOPIN CIRCLE COLUMBIA, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE: 7-19-73 W. O. Fulbert CHIEF BUREAU OF ENGINEERING	CONTRACT NO. 412-S	PLAN AND PROFILE OF SANITARY SEWER MAINS	SEWER EXTENSIONS LITTLE PATUXENT DRAINAGE AREA ELECTION DISTRICT NO. 2	DRAWING NO. 3 OF 22	SCALE AS SHOWN	Date: 4-26-74 Date: 1-7-75 REVISIONS: D.P. Revised AS BUILT 12-10-76
					Chk: JCF	AS BUILT 12-10-76	

WS 412-5/3



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 COLUMBIA, MARYLAND

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 7-19-73
 DATE

W. O. Felber
 CHIEF BUREAU OF ENGINEERING

CONTRACT NO. 412-S

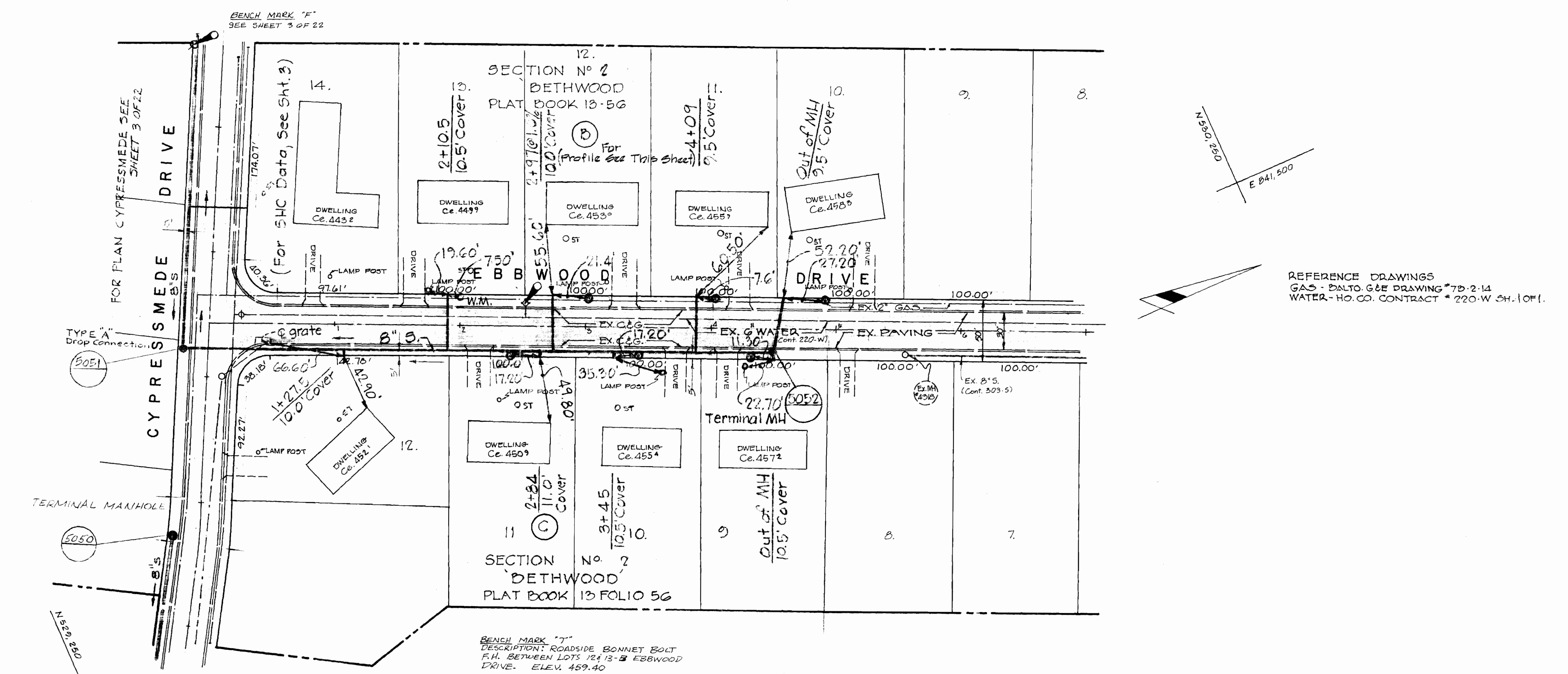
PLAN OF
 SANITARY SEWER MAINS

SEWER EXTENSIONS
 LITTLE PATUXENT DRAINAGE AREA
 ELECTION DISTRICT NO. 2

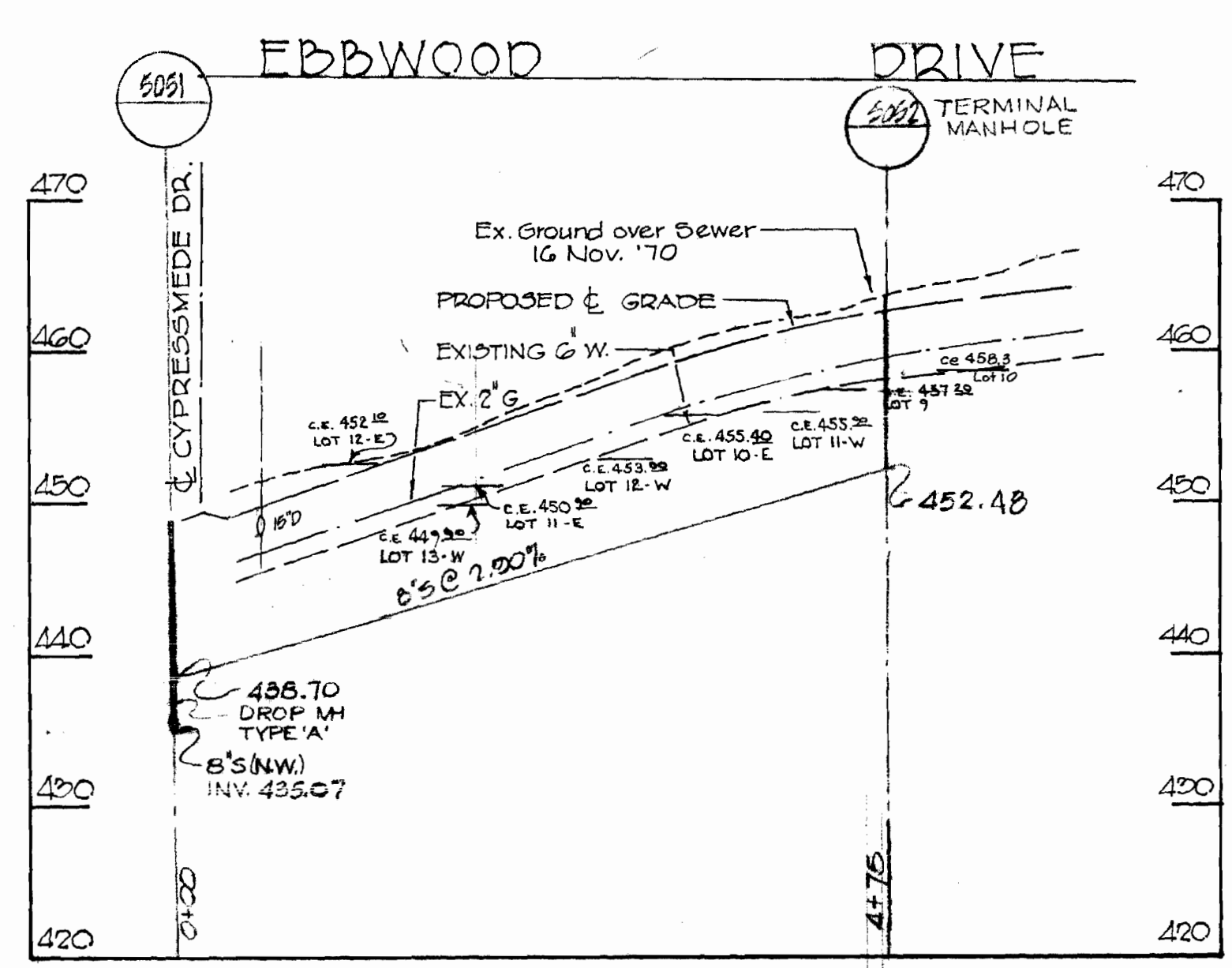
CONT. 412-S PROJECT 5FG032
 Little Patuxent Drainage Area
 Outfall - Collector Sewers
 Pinewick Rd., Postwick Rd., Cypressmeade Rd.,
 Ebbwood Dr., Fairwood Dr., Longview Dr.,
 Hickorymeade Drive

DRAWING NO. 4 OF 22 SCALE AS SHOWN
 Date: 4-26-74

NS 412-S/4

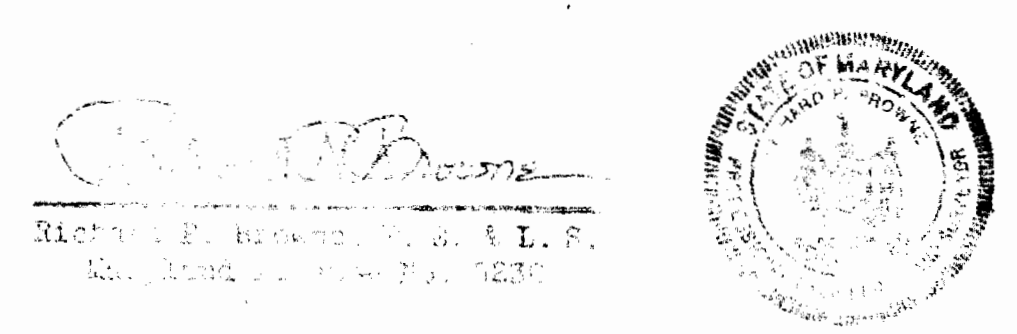


PLAN
SCALE: 1" = 50'



PROFILE
SCALE: HORIZ. 1" = 100'
VERT. 1" = 10'

REFERENCE DRAWINGS
GAS - BALTO. G & E DRAWING # 7D-2-14
WATER - HO. CO. CONTRACT # 220-W 5H-10F1



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COLUMBIA, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
DATE: 7-19-73
W. O. Silvest
CHIEF BUREAU OF ENGINEERING

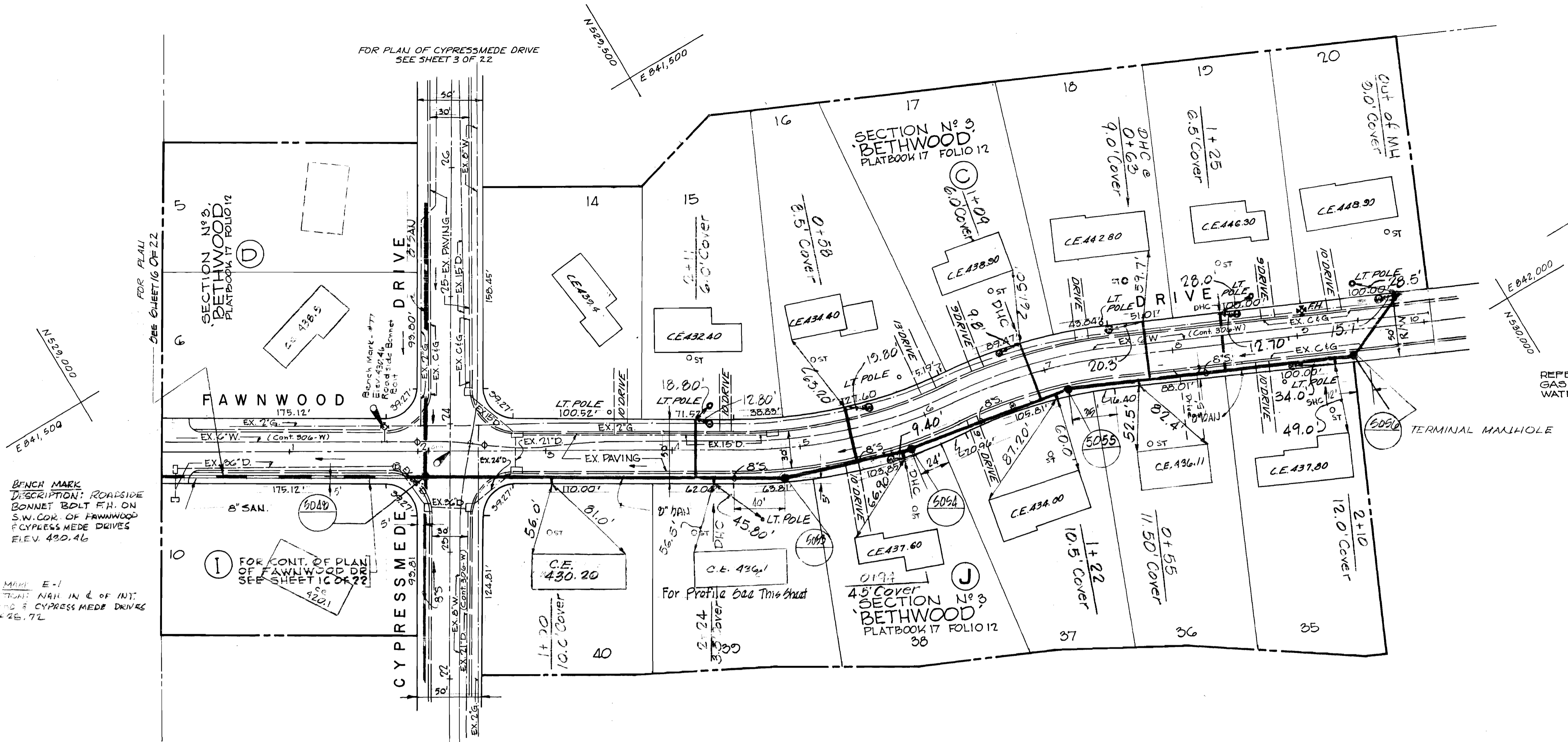
CONTRACT NO. 412-S

PLAN AND PROFILE OF
SANITARY SEWER MAINS

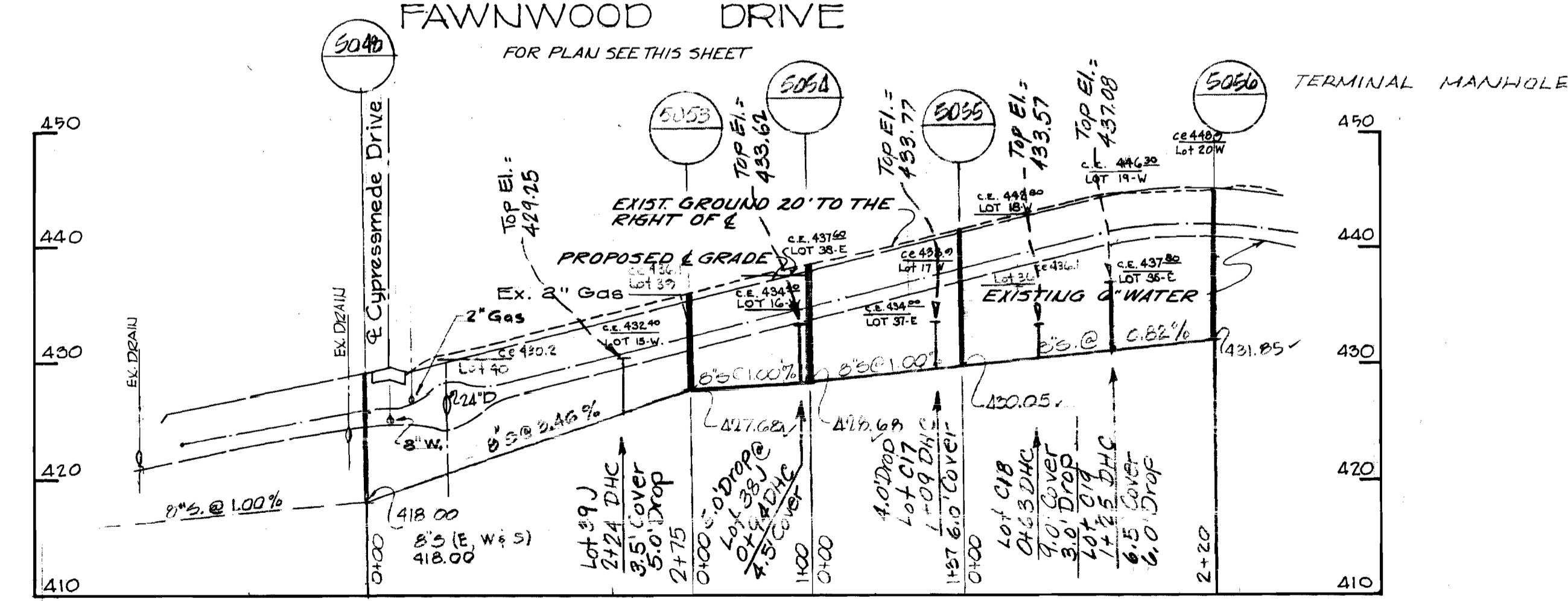
SEWER EXTENSIONS
LITTLE PATUXENT DRAINAGE AREA
ELECTION DISTRICT NO. 2

CONT. 412-5		PROJECT SP6032	
Little Patuxent Drainage Area Outfall: Collector Sewers Finwick Rd., Postwick Rd., Cypressmeade Dr., Ebbwood Dr., Fawnwood Dr., Langyew Dr., Hexorymede Drive			
DRAWING NO. 5 OF 22	SCALE AS SHOWN	CHK. JCH	DATE: 4-26-74

412-5/5

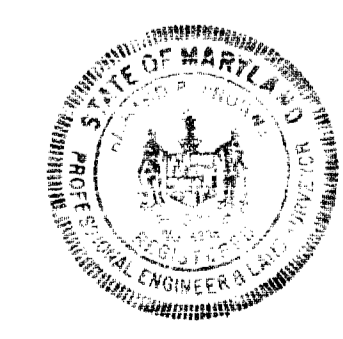


PLAN
SCALE 1" = 60'



PROFILE
SCALE HORZ. 1" = 100'
VERT. 1" = 10'

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Maryland License No. 5238



CONT. 412-5 PROJECT SP6032
Little Patuxent Drainage Area
Outfall Collector Sewers
Patuxent Rd., Finwick Rd., Cypressmede Dr.,
Ebbwood Dr., Fawnwood Dr., Longview Dr.,
Hickorymede Drive

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COLUMBIA, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
7-19-73
DATE

CONTRACT NO.412-S

PLAN AND PROFILE OF
SANITARY SEWER MAINS

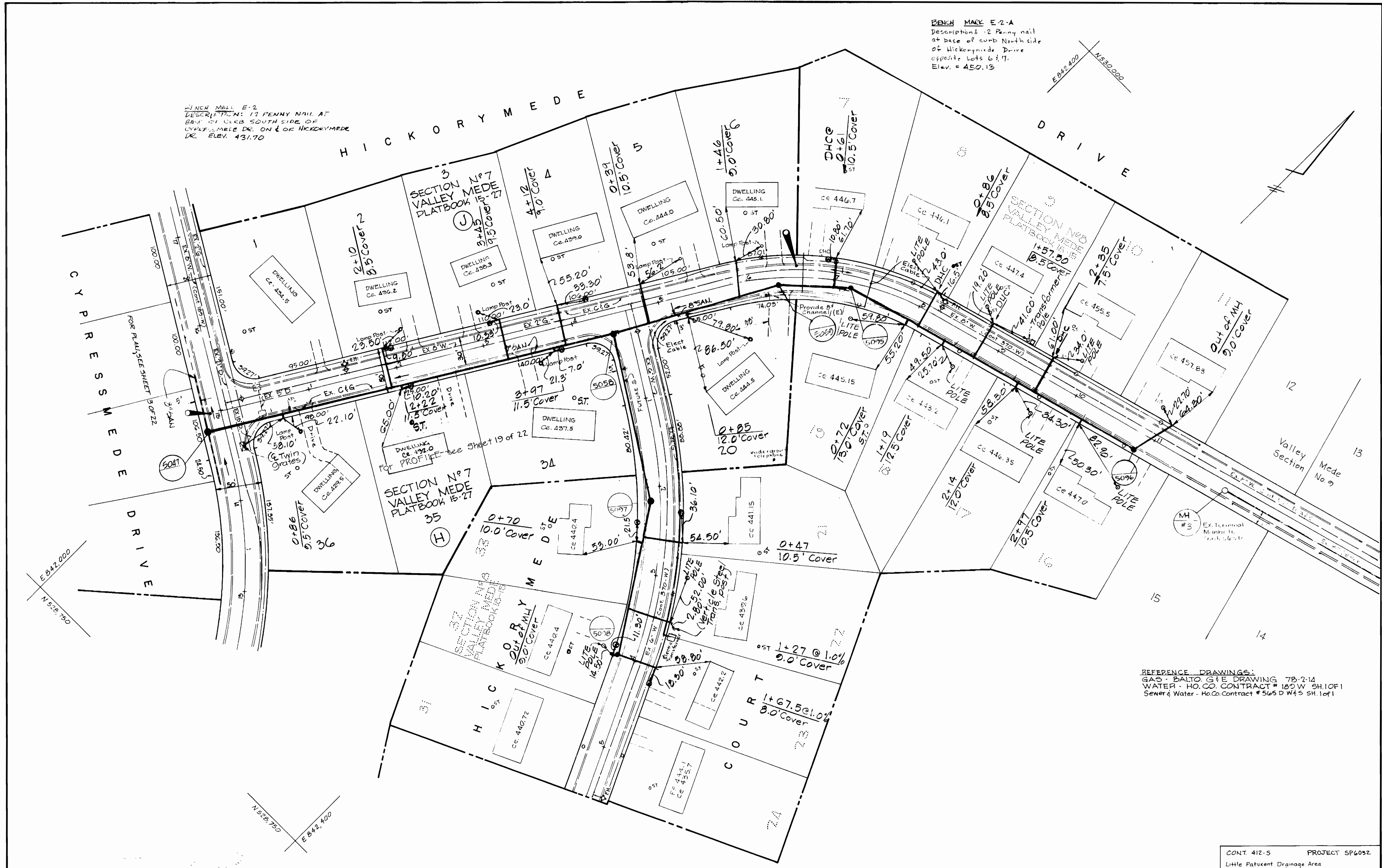
SEWER EXTENSIONS
LITTLE PATUXENT DRAINAGE AREA
ELECTION DISTRICT NO. 2

DRAWING NO. 6 OF 22	SCALE AS SHOWN
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Revisions-DPW Date 4-26-74
Revised Date 1-7-76
REVISED 6-12-75 AS BUILT 12-10-76

BENCH MARK E-2-A
 Description: 1/2 Penny nail
 at base of curb North side
 of Hickorymede Drive
 opposite Lots 6 & 7.
 Elev. = 450.13

1/4 INCH NAIL E-2
 DESCRIPTION: 1/2 PENNY NAIL AT
 BASE OF CURB SOUTH SIDE OF
 CYPRESSMEDE DR. ON E OF HICKORYMEDE
 DR. ELEV. 431.70



REFERENCE DRAWINGS:
 GAS - BALTO. G & E DRAWING 78-2-14
 WATER - HO. CO. CONTRACT # 185W 5H.10F1
 Sewer & Water - Ho. Co. Contract # 565 D W & S 5H.10F1

PLAN
 SCALE: 1" = 50'

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 COLUMBIA, MARYLAND

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 DATE: 7-19-73
 W. O. Gilbert
 CHIEF BUREAU OF ENGINEERING

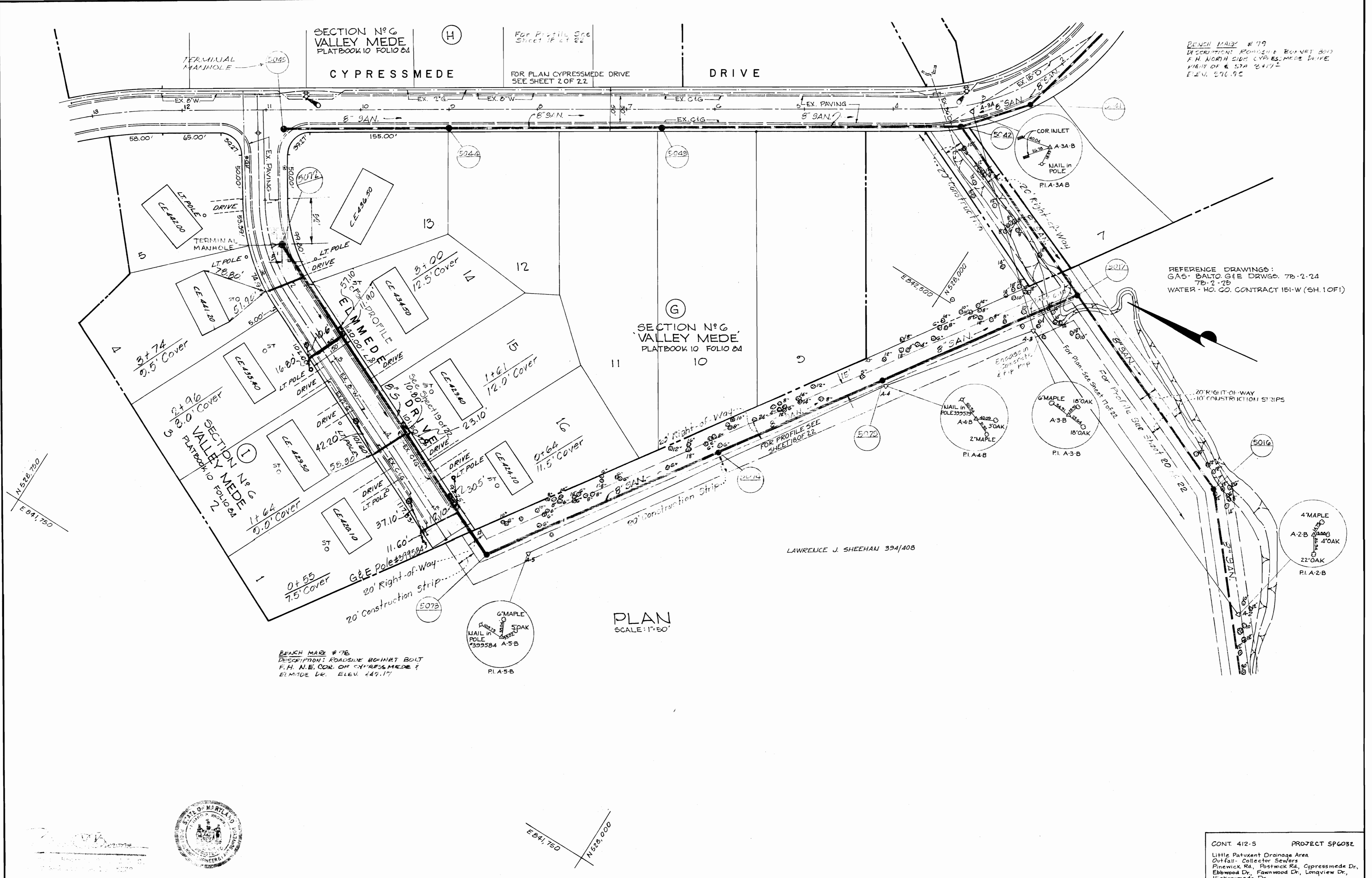
CONTRACT NO. 412-S

PLAN OF
 SANITARY SEWER MAINS

SEWER EXTENSIONS
 LITTLE PATUXENT DRAINAGE AREA
 ELECTION DISTRICT NO. 2

CONT. 412-5 PROJECT SP603Z
 Little Patuxent Drainage Area
 Duffall - Collector Sewers
 Pinewick Rd., Postwick Rd., Cypressmede Dr.,
 Ebbwood Dr., Fawnwood Dr., Longview Dr.,
 Hickorymede Drive

DRAWING NO. 7 OF 22	SCALE AS SHOWN
Date: 4-26-74	REVISED 6-12-75
1-17	REVISED 2-3-76



SECTION N° 6
VALLEY MEDE
PLATBOOK 10 FOLIO 84

For Profile See
Sheet 1F of 22

FOR PLAN CYPRESSMEDE DRIVE
SEE SHEET 2 OF 22

DRIVE

BENCH MARK # 79
DESCRIPTION: ROADSIDE BOLLARD BOLT
F.H. NORTH SIDE CYPRESSMEDE DRIVE
HEIGHT OF 4.574 ± 0.17 ±
ELEV. 296.95

REFERENCE DRAWINGS:
GAS - BALTO. G&E DRAWG. 7B-2-24
7B-2-25
WATER - HO. CO. CONTRACT 151-W (SH. 1 OF 1)

SECTION N° 6
VALLEY MEDE
PLATBOOK 10 FOLIO 84

PLAN
SCALE: 1"=50'

LAWRENCE J. SHEEHAN 394/408

BENCH MARK # 78
DESCRIPTION: ROADSIDE BOLLARD BOLT
F.H. N.E. COR. OF CYPRESSMEDE &
ELMEDE DR. ELEV. 247.17



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COLUMBIA, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

7-19-73
DATE
W. O. Gilbert
CHIEF BUREAU OF ENGINEERING

CONTRACT NO. 412-S

PLAN OF
SANITARY SEWER MAINS

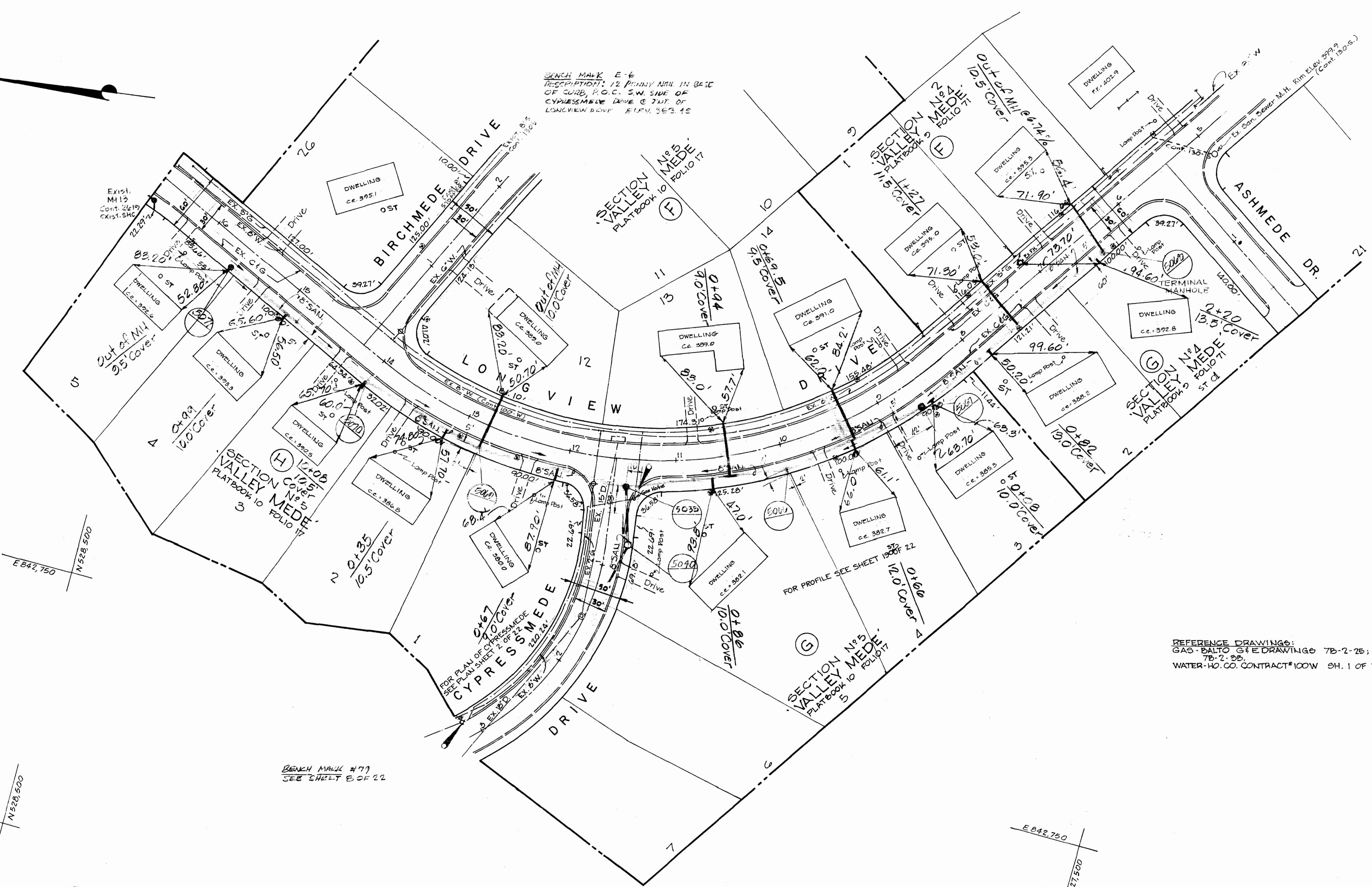
SEWER EXTENSIONS
LITTLE PATUXENT DRAINAGE AREA
ELECTION DISTRICT NO. 2

CONT. 412-S	PROJECT SP6032
Little Patuxent Drainage Area Outfall - Collector Sewers Pinewick Rd., Postwick Rd., Cypressmeade Dr., Ebbwood Dr., Fawnwood Dr., Longview Dr., Hickorymeade Dr.	
DRAWING NO. 8 OF 22	SCALE AS SHOWN
	CHK/LET

412-5/18



BENCH MARK E-6
 DESCRIPTION: 12 IRON NAIL IN BASE
 OF CURB, P.O.C. S.W. SIDE OF
 CYPRESSMEDE DRIVE E JUT OF
 LONGVIEW DRIVE ELEV. 363.45



E 842.750
 N 528.500

BENCH MARK #77
 SEE SHEET B OF 22

E 842.500
 N 528.500

E 842.750
 N 528.500

REFERENCE DRAWINGS:
 GAS-BALTO G&E DRAWINGS 7B-2-25;
 7B-2-26;
 WATER-HO. CO. CONTRACT #100W SH. 1 OF 1

PLAN
 SCALE: 1"=50'

CONT. 412-5 PROJECT SP6032
 Little Patuxent Drainage Area
 Outfall-Collector Sewers
 Pinewick Rd., Postwick Rd., Cypressmeade Dr.,
 Ebbwood Dr., Fawnwood Dr., Longview Dr.,
 Hickorymeade Dr.

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 COLUMBIA, MARYLAND

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 DATE: 7-19-73
 W.D. Fulbert
 CHIEF BUREAU OF ENGINEERING

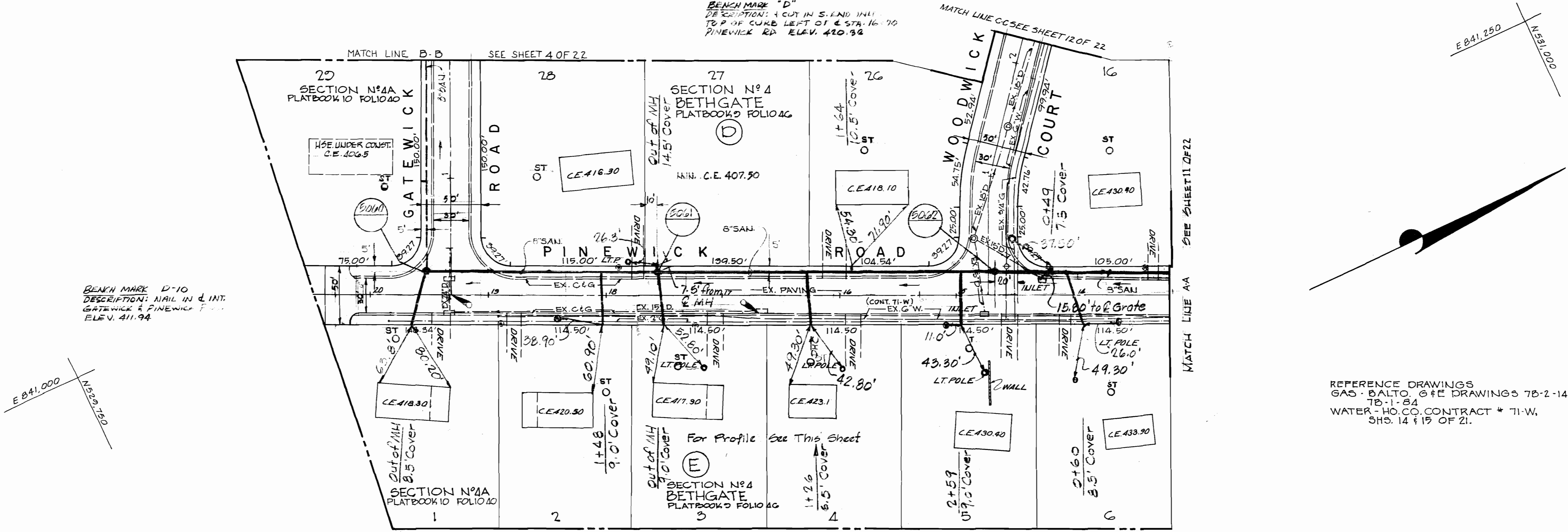
CONTRACT NO. 412-S

PLAN OF
 SANITARY SEWER MAINS

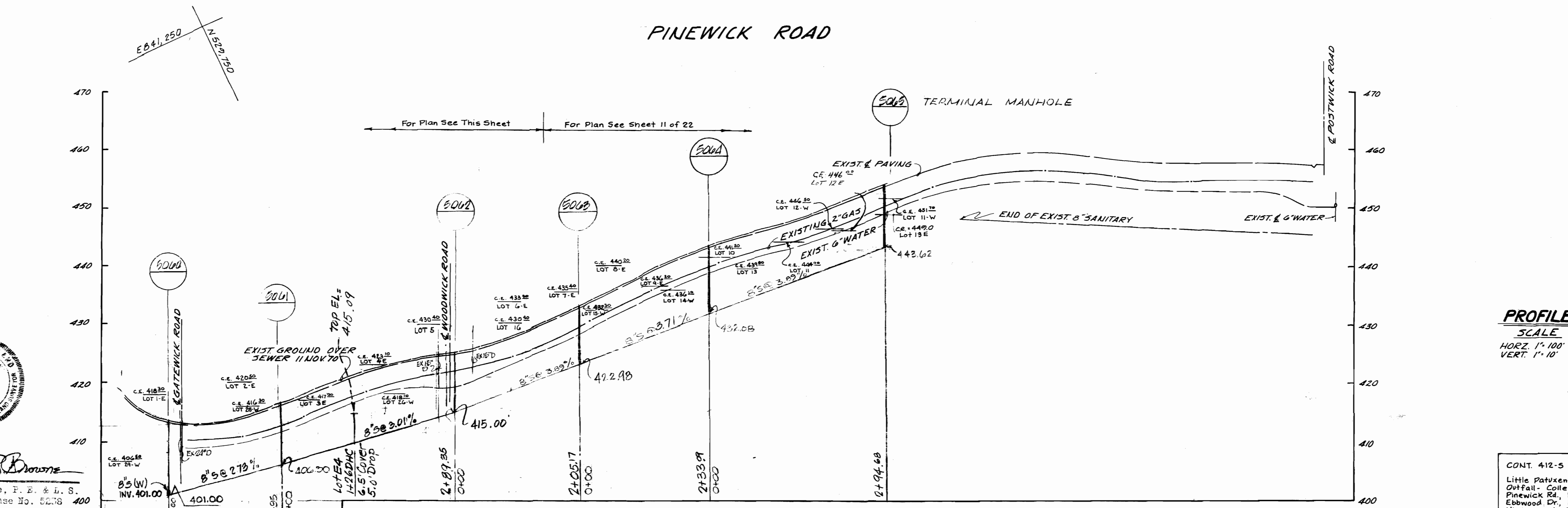
SEWER EXTENSIONS
 LITTLE PATUXENT DRAINAGE AREA
 ELECTION DISTRICT NO. 2

DRAWING NO. 9 OF 22
 SCALE AS SHOWN
 CHK JCH

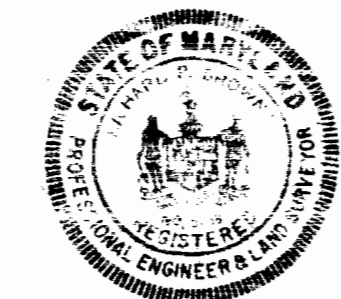
Revisions DFL Date: 4-26-74 Revised 6-2-75
 Revised Date: 1-17-75 AS BUILT 12-10-76



PLAN
SCALE: 1"=50'



PROFILE
SCALE
HORIZ. 1"=100'
VERT. 1"=10'



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COLUMBIA, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
DATE: 7-19-73
W. O. Fulbert
CHIEF BUREAU OF ENGINEERING

CONTRACT NO. 412-S

PLAN AND PROFILE OF
SANITARY SEWER MAINS

SEWER EXTENSIONS
LITTLE PATUXENT DRAINAGE AREA
ELECTION DISTRICT NO. 2

CONT. 412-5 PROJECT SP6032
Little Patuxent Drainage Area
Outfall-Collector Sewers
Pinewick Rd., Postwick Rd., Cypressmade Dr.,
Ebbwood Dr., Fawnwood Dr., Longview Dr.,
Hickorymade Drive

DRAWING NO. 10 OF 22	SCALE AS SHOWN
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REVISIONS: DPW
Date: 4-26-74
REVISED 6-12-75

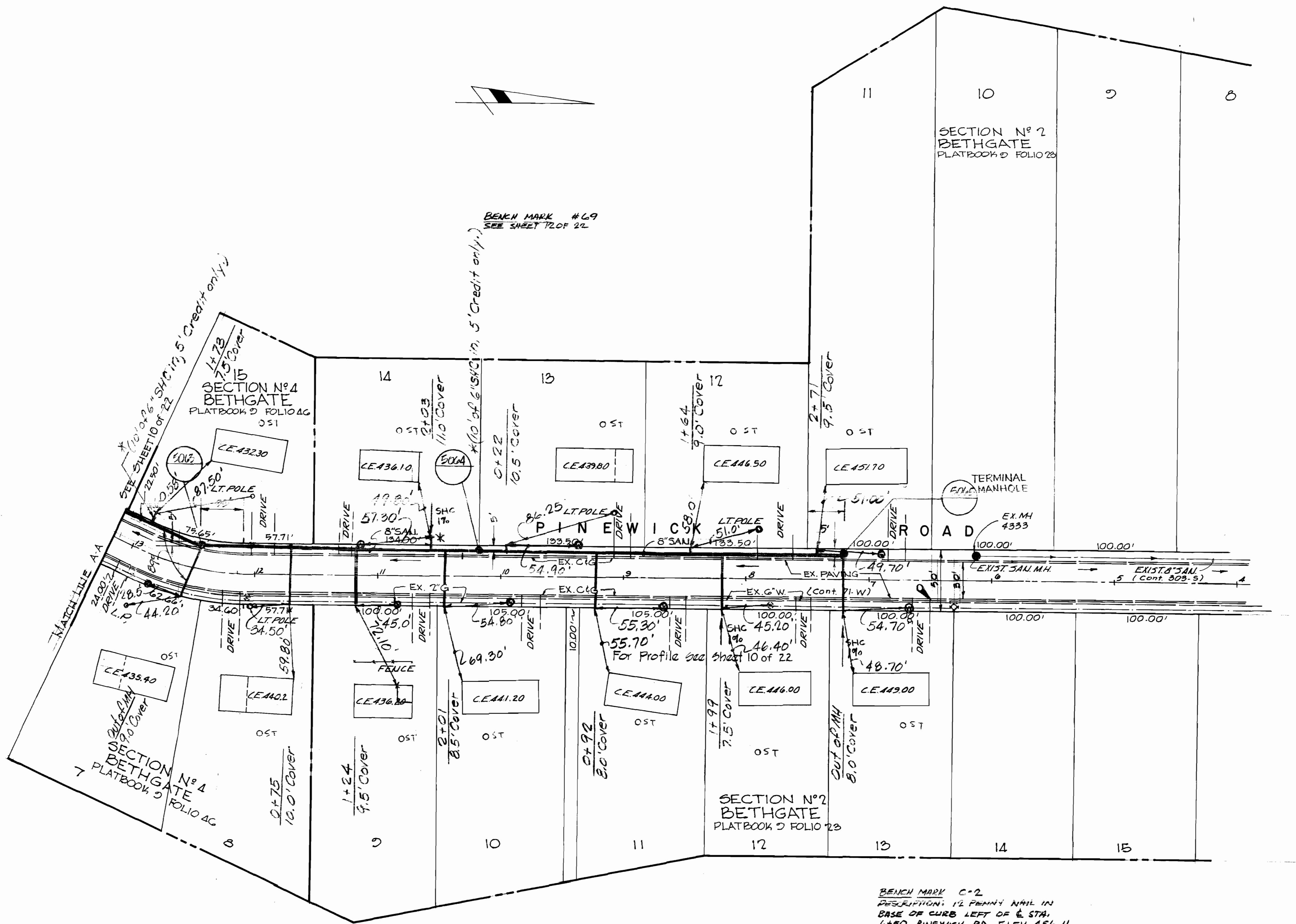
AS BUILT 12-10-76

WS 412-5/10

E 841,000
N 530,500

E 841,500
N 530,500

E 841,500
N 531,750



REFERENCE DRAWINGS:
G&O - BALTO. G&E DRAWINGS
7B-1-74; 7B-1-84
WATER - HO. CO. CONTRACT # 203-8
SH. 2 OF 5

BENCH MARK C-2
DESCRIPTION: 12 PLYMUT NAIL IN
BASE OF CURB LEFT OF & STA.
4750 PINEVIEW RD. ELEV. 456.11

PLAN
SCALE: 1"=50'

Richard P. Browne
Richard P. Browne, P. E. & L. S.
Maryland license No. 5238



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THE AMERICAN CITY BUILDING, WINCOPIN CIRCLE
COLUMBIA, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
7-19-73
W. J. Hubert
CHIEF BUREAU OF ENGINEERING

CONTRACT NO. 412-S

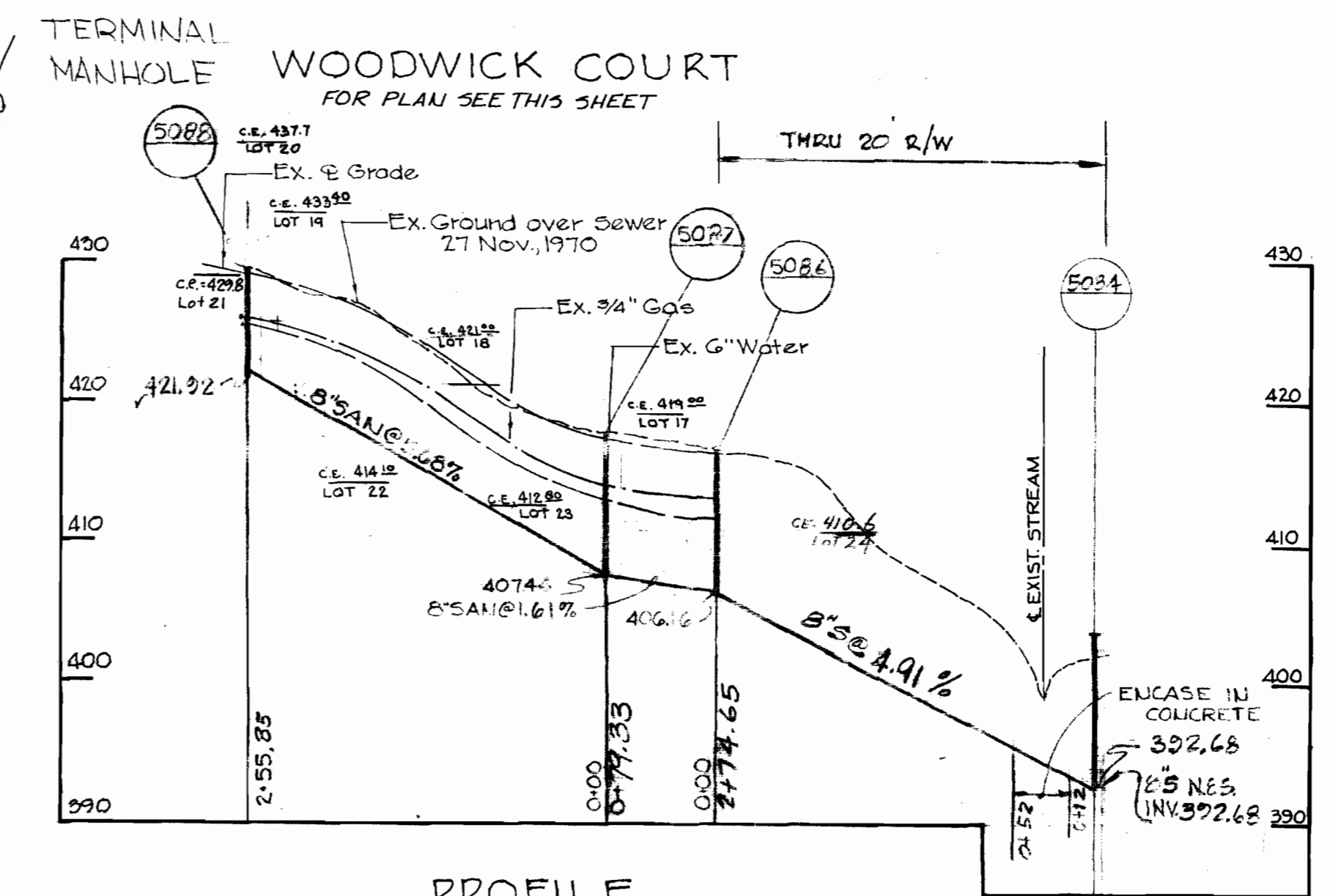
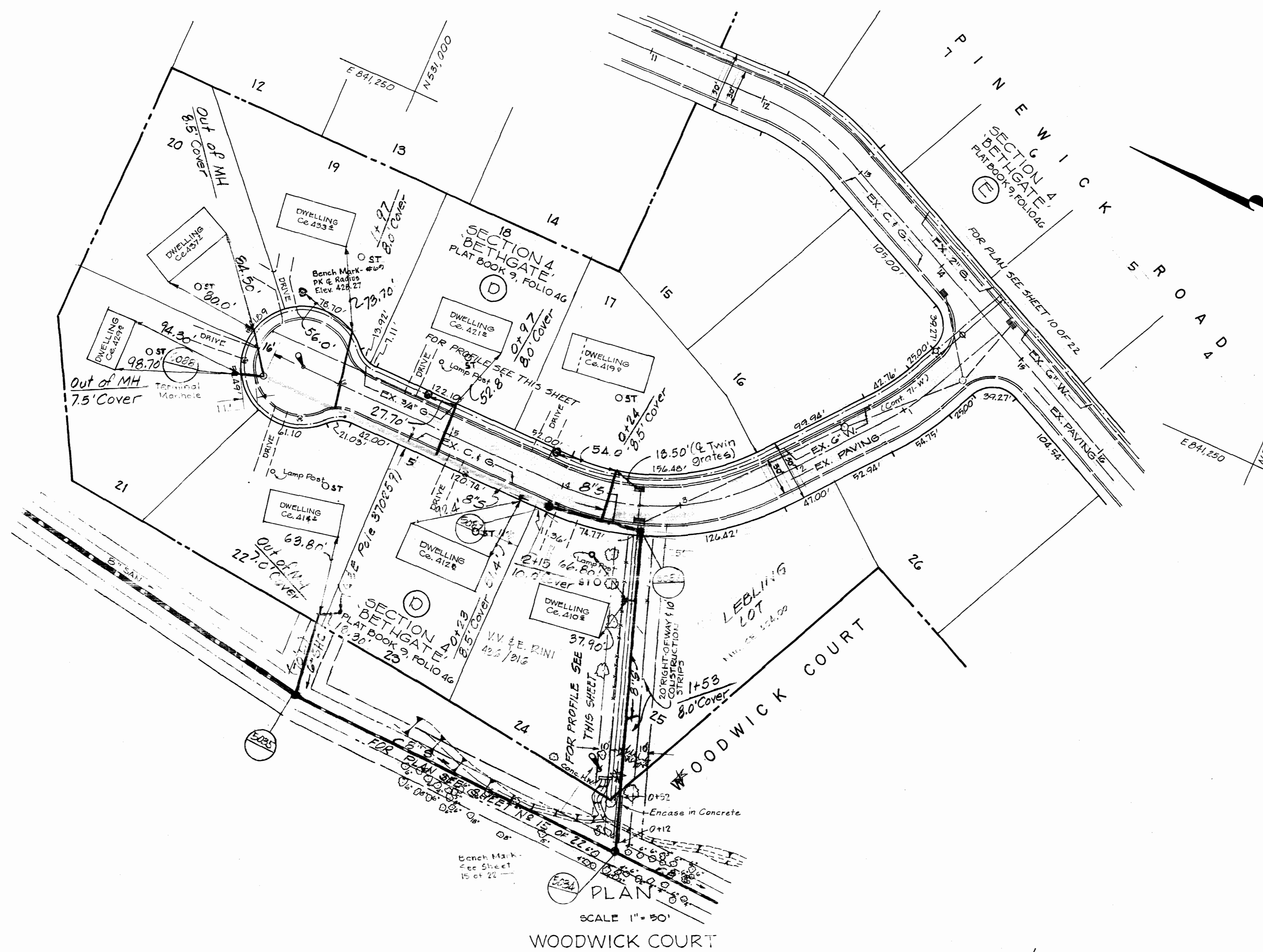
PLAN OF
SANITARY SEWER MAINS

SEWER EXTENSIONS
LITTLE PATUXENT DRAINAGE AREA
ELECTION DISTRICT NO. 2

CONT. 412-5 PROJECT SP6032
Little Patuxent Drainage Area
Outfall - Collector Sewers
Pineview Rd., Postwick Rd., Cypressmede Dr.,
Edenwood Dr., Fairwood Dr., Longview Dr.,
Hickorymede Drive

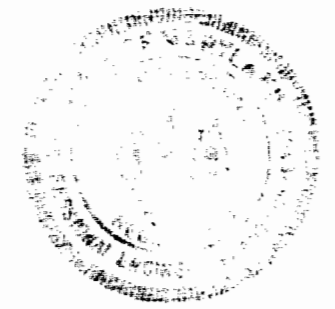
DRAWING NO. 11 OF 22
SCALE AS SHOWN
Date: 4-26-74
REVISED 6-12-75
AS BUILT 12-10-76

REFERENCE DRAWINGS:
 GAS - BALTO. G & E DRAWING 7B-1-B4
 WATER - HO. CO. CONTRACT 71W,
 SHS 14 AND 21 OF 21.



SCALE- HORIZ. - 1" = 100'
 VERT. - 1" = 10'

Richard P. Browne
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 COLUMBIA, MARYLAND



DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 DATE 7-19-73
 W. J. Hubert
 CHIEF BUREAU OF ENGINEERING

CONTRACT NO. 412-S

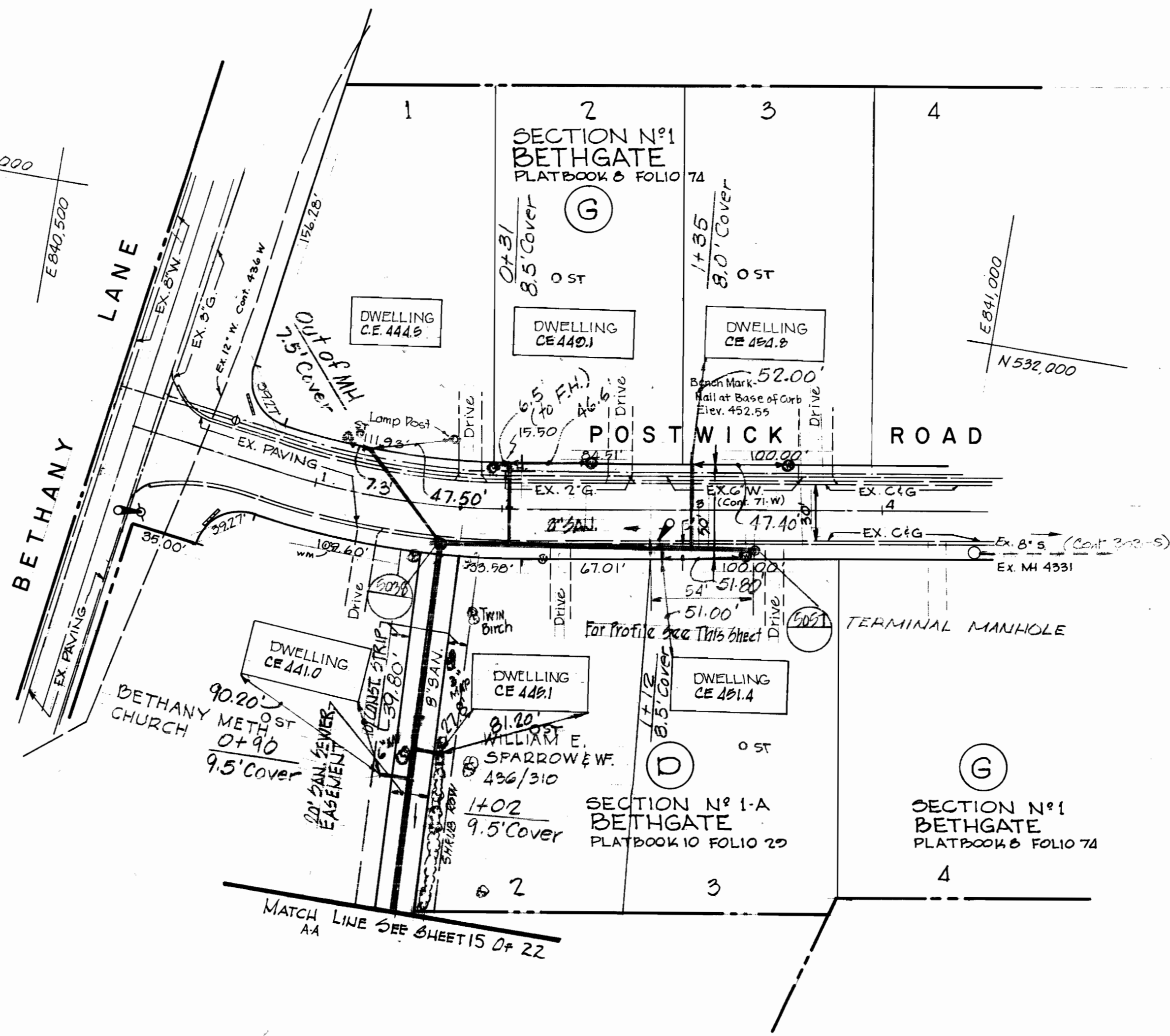
PLAN AND PROFILE OF
 SANITARY SEWER MAINS

SEWER EXTENSIONS
 LITTLE PATUXENT DRAINAGE AREA
 ELECTION DISTRICT NO. 2

CONT. 412-5 PROJECT SP602	
Little Patuxent Drainage Area Outfall - Collector Sewers Pinewick Rd., Postwick Rd., Cypressmede Dr., Ebbwood Dr., Fawnwood Dr., Longview Dr., Hickorymede Dr.	
DRAWING NO. 12 OF 22	SCALE AS SHOWN CHK/CH

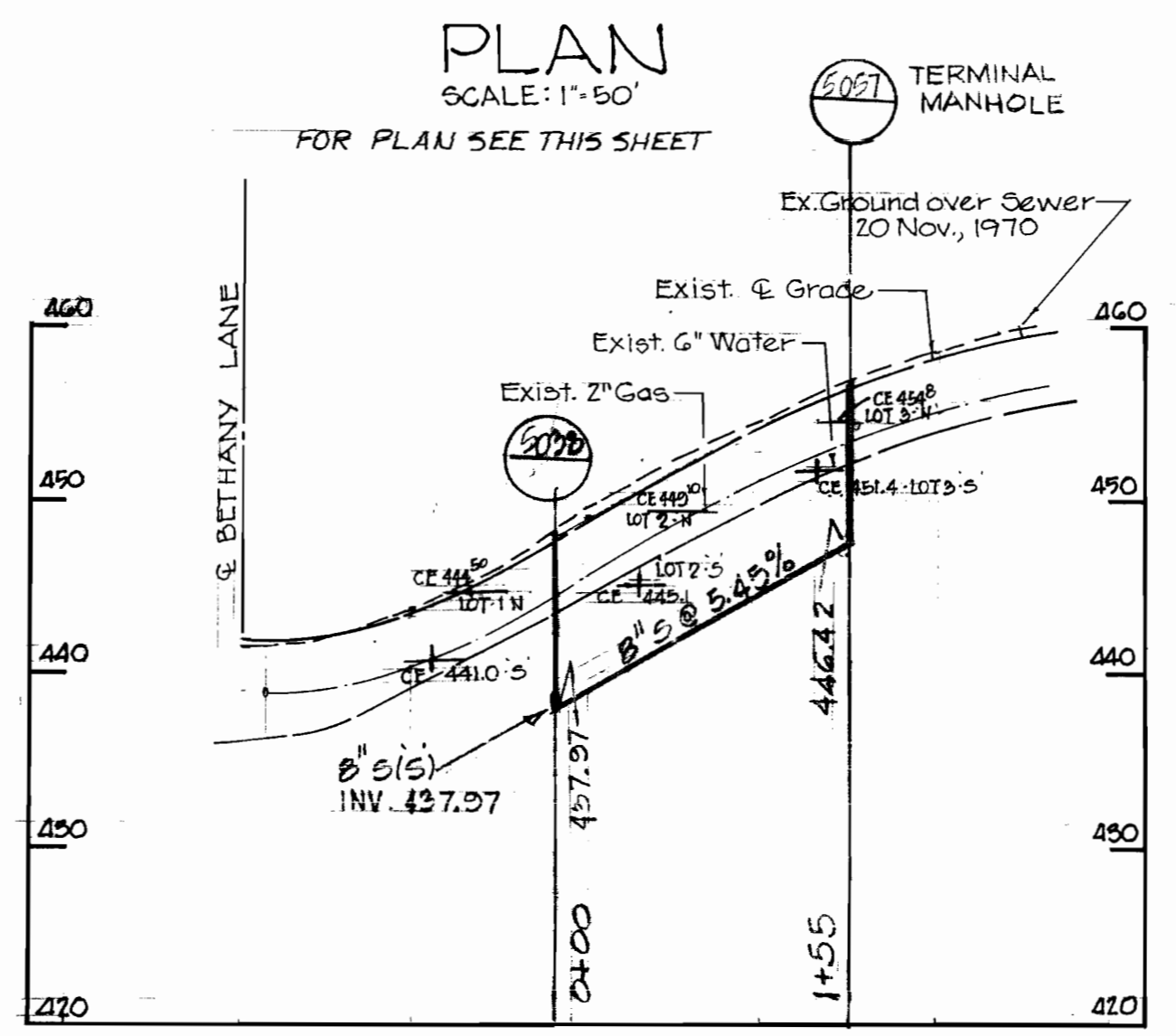
WWS 412-S/12

Bench Mark
Spike in GE Pole
#347959
Elev. 444.14



REFERENCE DRAWINGS:
GAS-BALTO G&E DRAWINGS
7B-1-73; 7B-1-74
WATER-HO. CO. CONTRACT
71W, SH 14 OF 21

N 531.500
E 840.500



PROFILE
SCALE: HORIZ. 1" = 100'
VERT. 1" = 10'
POSTWICK ROAD

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Richard P. Browne, P. E. & L. S.
Maryland License No. 5238



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COLUMBIA, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
7-19-73
DATE
W. O. Filbert
CHIEF BUREAU OF ENGINEERING

CONTRACT NO. 412-S

PLAN AND PROFILE OF
SANITARY SEWER MAINS

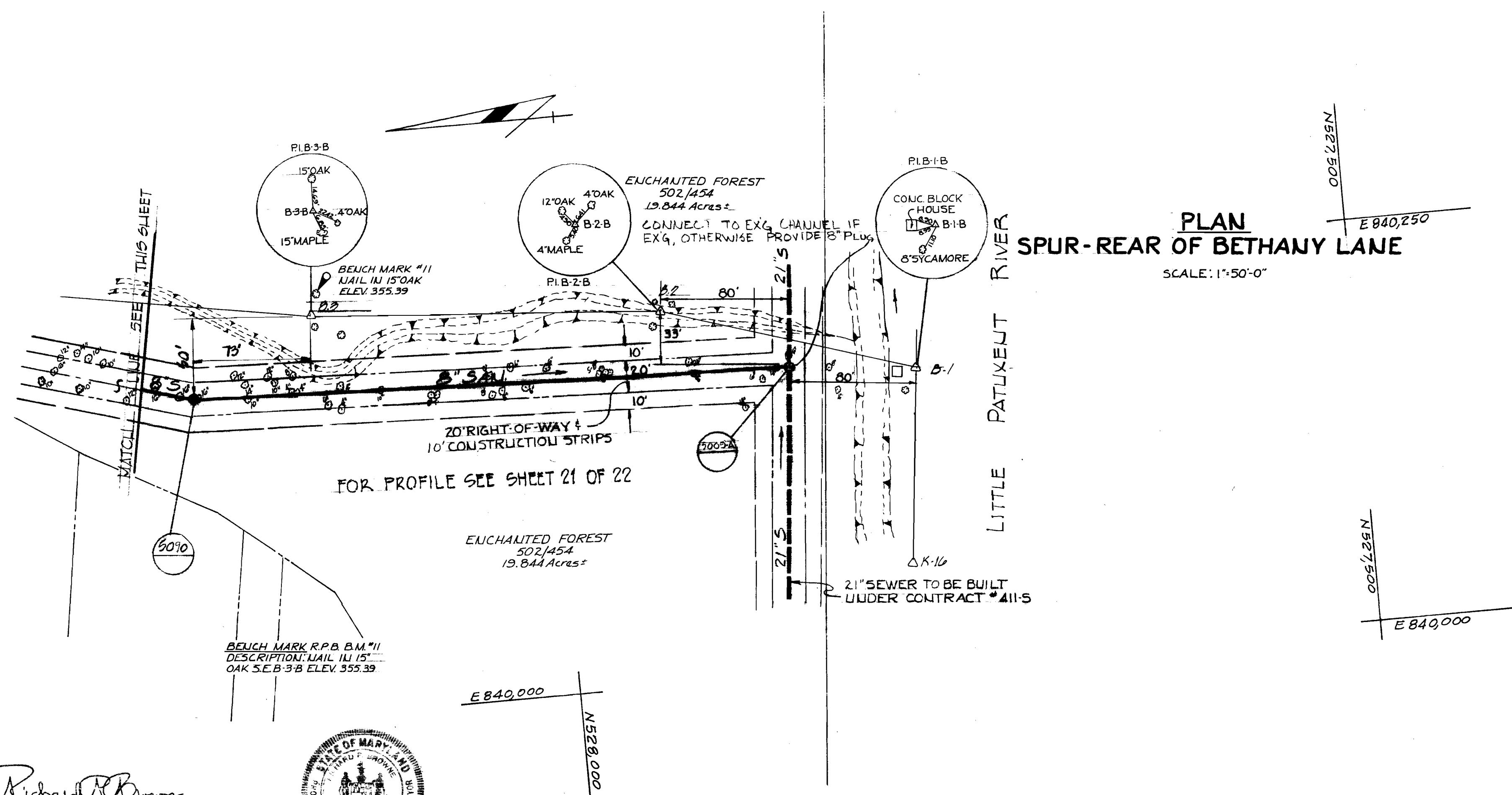
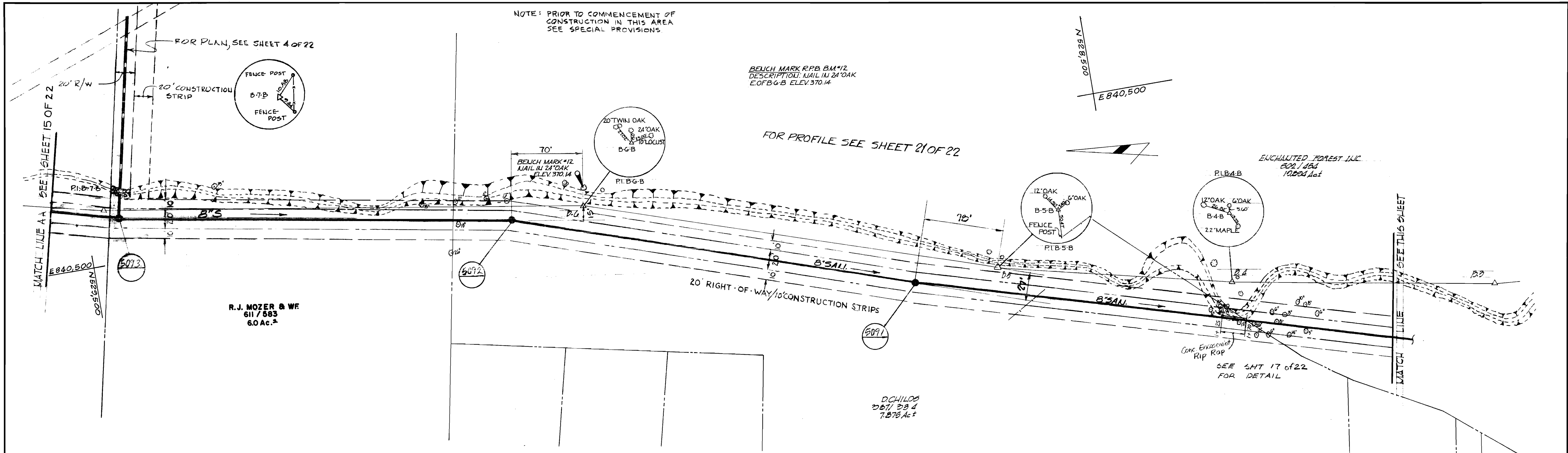
SEWER EXTENSIONS
LITTLE PATUXENT DRAINAGE AREA
ELECTION DISTRICT NO. 2

CONT. 412-S PROJECT NO. SP 6082
Little Patuxent Drainage Area
Outfall - collector sewers
Pinewick Rd., Postwick Rd., Cypressmede Dr.,
Elbowood Dr., Fawnwood Dr., Longview Dr.,
Hickorymede Dr.

DRAWING NO. 13 OF 22	SCALE AS SHOWN
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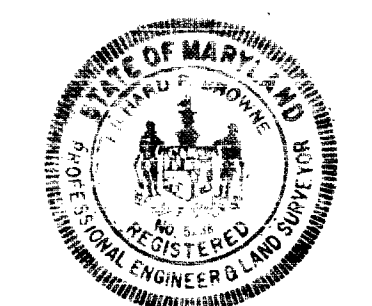
REVISIONS-DPW
Date: 4-26-74
REVISOR
DATE: 1-17-75
REVISED 6-12-75
AS BUILT 12-10-76

WS 412-5/13



NOTE:
NO SHC'S THIS SHEET.

Richard P. Browne
Richard P. Browne, P. E. & L. S.
Maryland License No. 5238



RICHARD P. BROWNE ASSOCIATES
CONSULTING ENGINEERS - PLANNERS
THE AMERICAN CITY BUILDING, WINCOPIN CIRCLE
COLUMBIA, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
7-19-73
DATE
ed O Falbert
CHIEF BUREAU OF ENGINEERING

CONTRACT NO. 412-S

PLAN OF
SANITARY SEWER MAINS

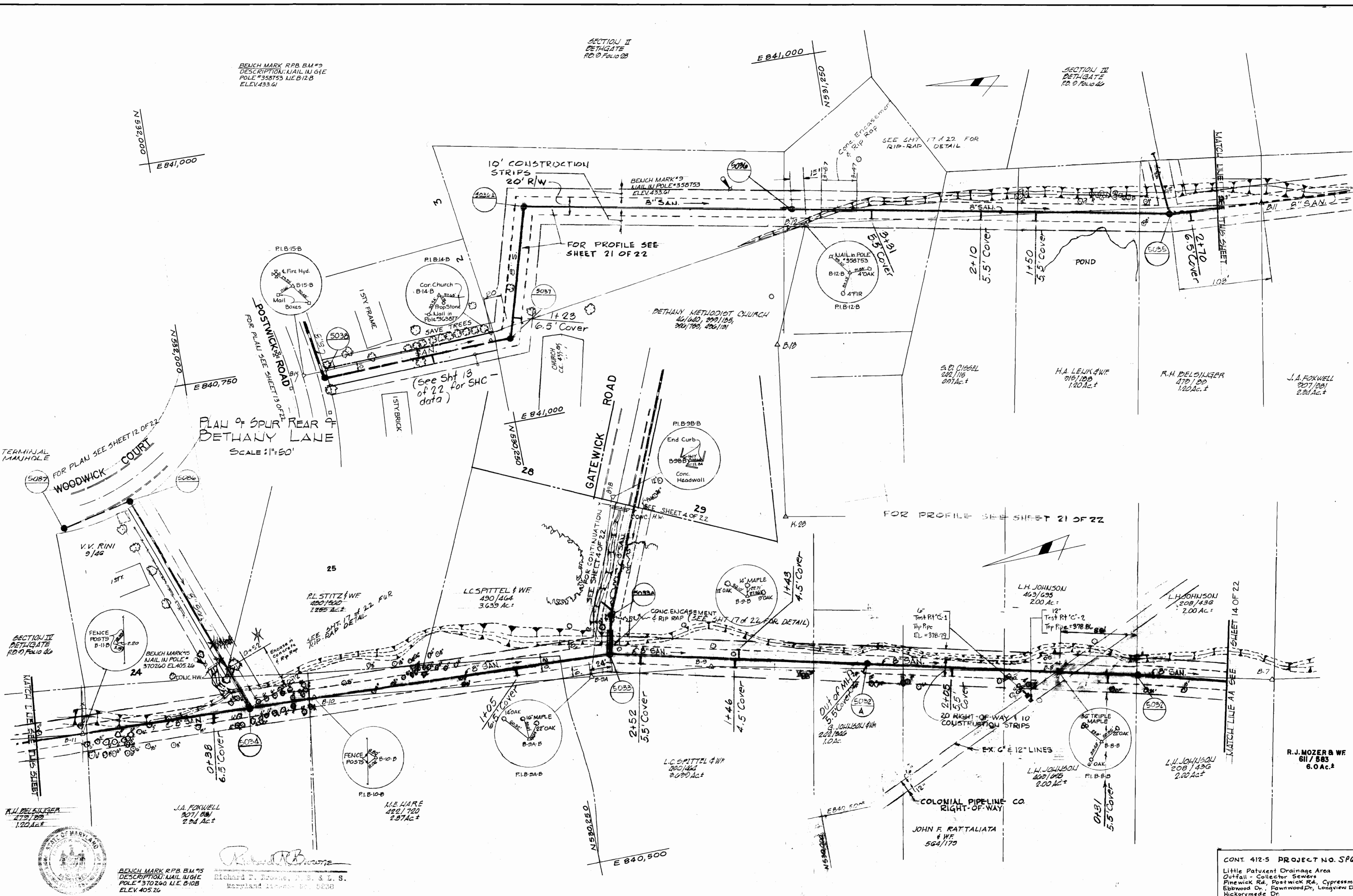
SEWER EXTENSIONS
LITTLE PATUXENT DRAINAGE AREA
ELECTION DISTRICT NO. 2

CONTRACT NO. 412-S PROJECT NO. SP6032
Little Patuxent Drainage Area
Overflow Collector Sewers
Pinewick Rd., Postwick Rd., Cypressmede Dr.,
Ebbwood Dr., Fawnwood Dr., Longview Dr.,
Hickorymede Dr.

DRAWING NO. 14 OF 22	SCALE AS SHOWN
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REVISIONS: DPW
Date: 4-26-74
AS BUILT 12-10-76

WS 412-S/14



BENCH MARK RPB BM #9
 DESCRIPTION: NAIL IN G.I.E
 POLE #358753 LIE B-12-B
 ELEV. 433.61

SECTION II
 DETHGATE
 RD. 0, Folio 28

SECTION II
 DETHGATE
 RD. 0, Folio 14

TERMINAL
 MANHOLE
 FOR PLAN SEE SHEET 12 OF 22
 WOODWICK COURT

PLAN OF SPUR REAR
 DETHANY LAKE
 SCALE: 1"=50'

GATEWICK ROAD

FOR PROFILE SEE SHEET 21 OF 22

SECTION III
 DETHGATE
 RD. 0, Folio 16

MATCH LINE AA SEE SHEET 14 OF 22

R.H. DE SINGER
 279/120
 1.20 AC.±

J.A. FOXWELL
 207/181
 2.24 AC.±

M.E. AIRE
 222/170
 2.27 AC.±

L.C. SPITTEL & W.F.
 200/161
 2.00 AC.±

L.C. SPITTEL & W.F.
 200/161
 2.00 AC.±

JOHN F. RATTALIATA
 & W.F.
 564/170

L.H. JOHNSON
 208/145
 2.00 AC.±

L.H. JOHNSON
 208/143G
 2.00 AC.±

R.J. MOZER & W.F.
 611/583
 6.0 AC.±

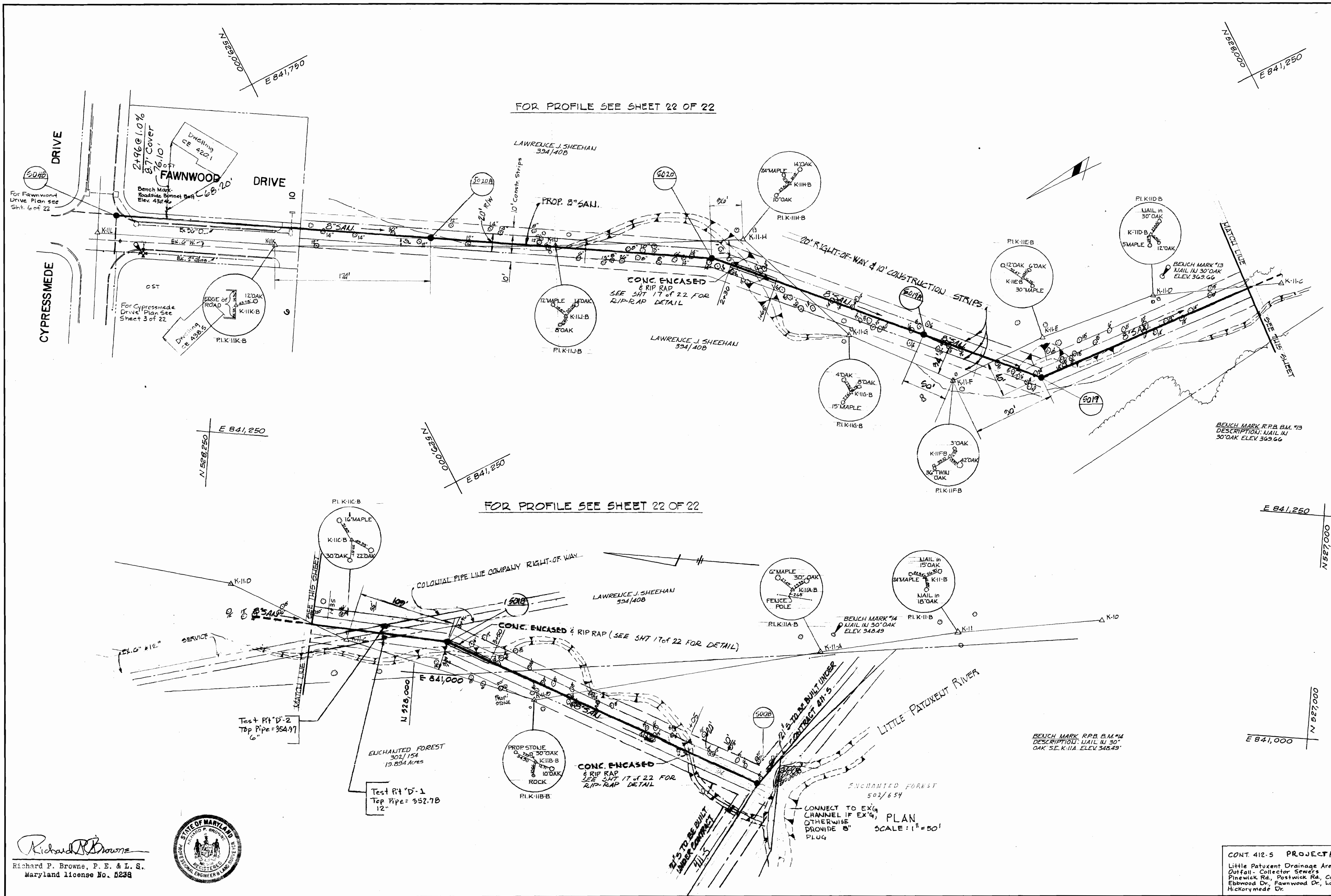


BENCH MARK RPB BM #5
 DESCRIPTION: NAIL IN G.I.E
 POLE #310260 LIE B-10-B
 ELEV. 405.26

Richard P. Browne, P.E. & L.S.
 Maryland License No. 5233

RICHARD P. BROWNE ASSOCIATES CONSULTING ENGINEERS - PLANNERS THE AMERICAN CITY BUILDING, WINCOPIN CIRCLE COLUMBIA, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 7-19-73 DATE	CONTRACT NO. 412-S W. O. Fulbert CHIEF BUREAU OF ENGINEERING	PLAN OF SANITARY SEWER MAINS	SEWER EXTENSIONS LITTLE PATUXENT DRAINAGE AREA A ELECTION DISTRICT NO. 2	CONT. 412-5 PROJECT NO. SP6QJ2 Little Patuxent Drainage Area Outfall - Collector Sewers Pinewick Rd., Postwick Rd., Cypressmede Dr., Ebbwood Dr., Fawnwood Dr., Longview Dr., Hickorymede Dr. DRAWING NO. 15 OF 22 SCALE AS SHOWN CHK/CH
--	--	--	---------------------------------	--	--

15 412-5/15



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RICHARD P. BROWNE ASSOCIATES
 CONSULTING ENGINEERS - PLANNERS
 THE AMERICAN CITY BUILDING, WINGOPIN CIRCLE
 COLUMBIA, MARYLAND

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 7-19-75
 DATE

CONTRACT NO. 412-S

PLAN OF
 SANITARY SEWER MAINS

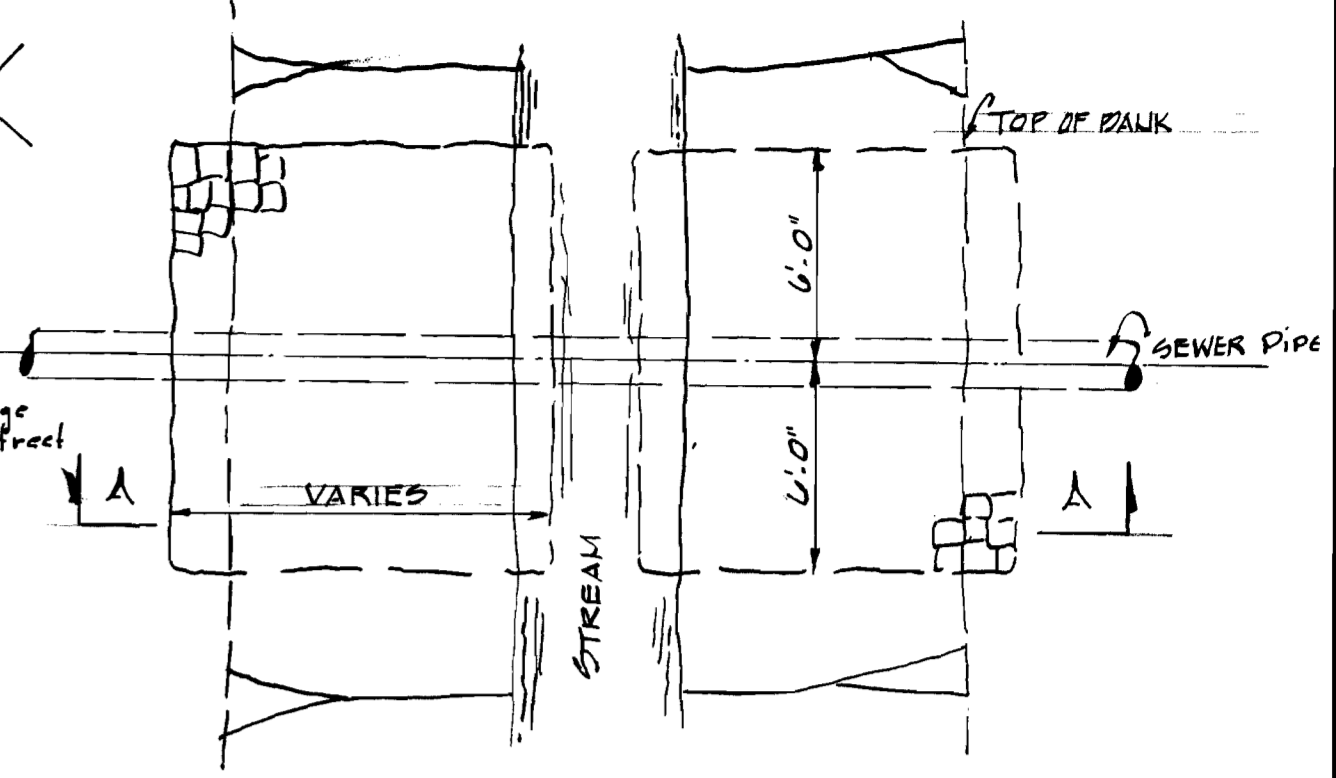
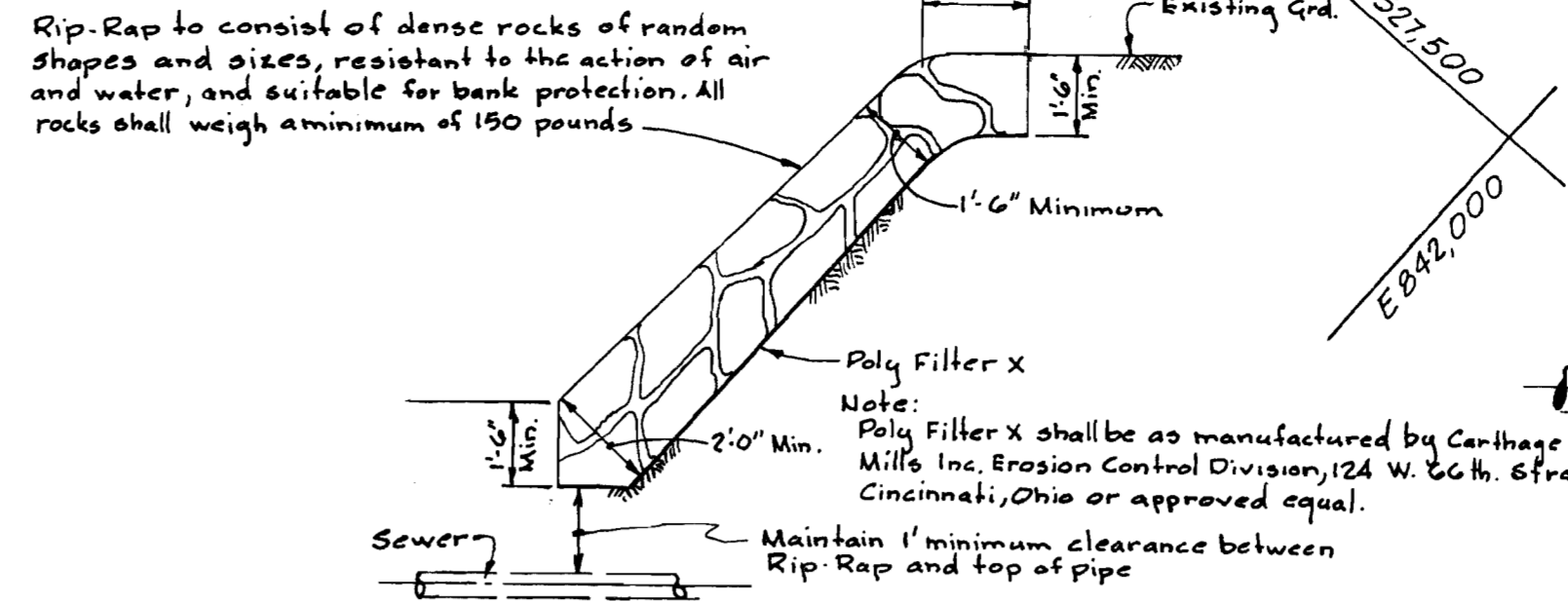
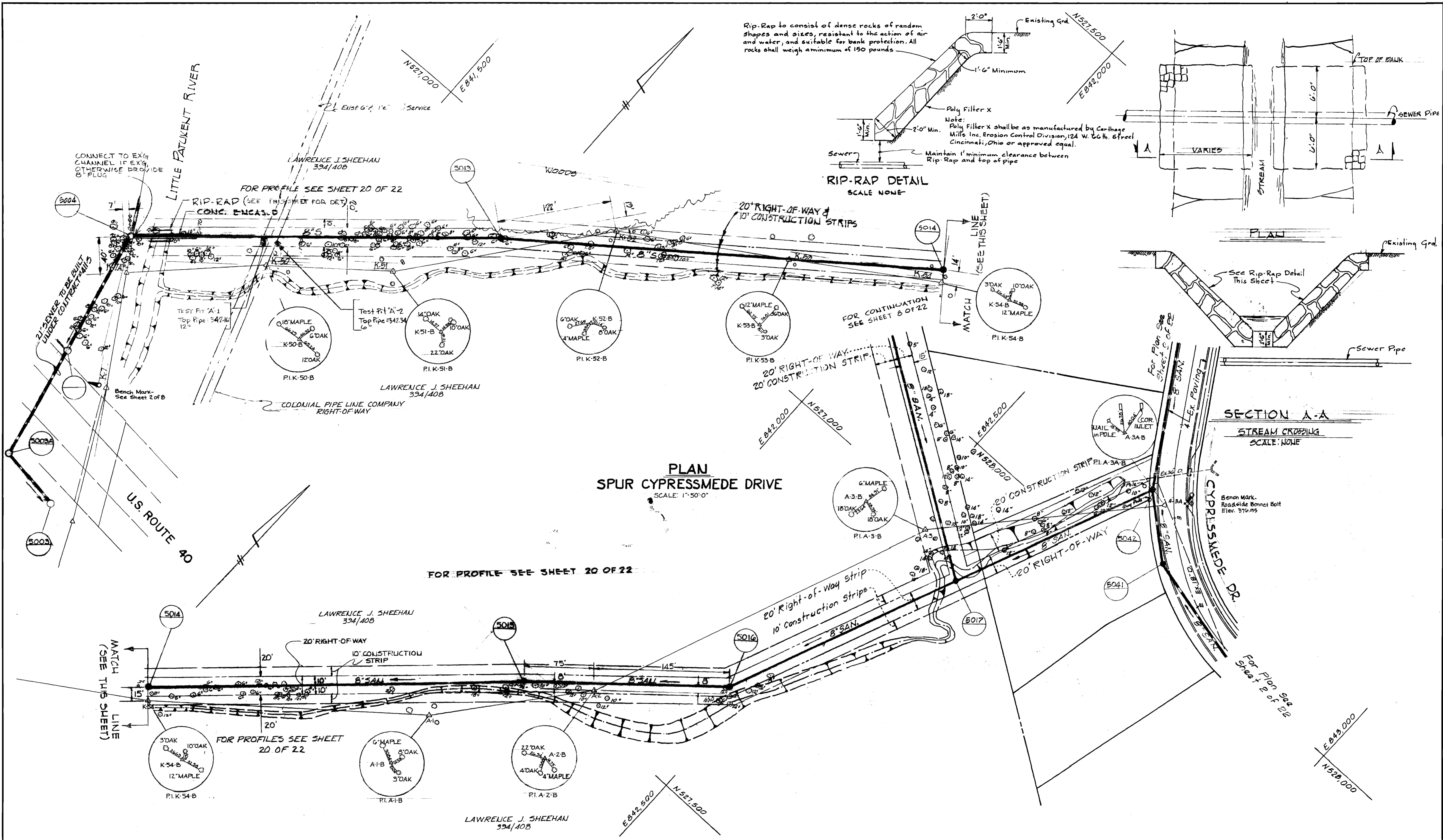
SEWER EXTENSIONS
 LITTLE PATUXENT DRAINAGE AREA
 ELECTION DISTRICT NO. 2

CONTRACT NO. 412-S PROJECT NO. SP 6032
 Little Patuxent Drainage Area
 Outfall - Collector Sewers
 Pinewick Rd., Postwick Rd., Cypressmade Dr.,
 Ebbwood Dr., Fawnwood Dr., Longview Dr.,
 Hickorymade Dr.

DRAWING NO. 16 OF 22
 SCALE AS SHOWN
 AS BUILT 12-10-76

WS 412-5/16

REVISIONS: DPL Date: 4-26-74
 Revised Date: 1-17-75
 DEVEN



SECTION A-A
STREAM CROSSING
SCALE: NONE

PLAN
SPUR CYPRESSEME DRIVE
SCALE: 1"=50' 0"

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Maryland license No. 5238



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COLUMBIA, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
7-19-75
W. O. F. Albert
CHIEF BUREAU OF ENGINEERING

CONTRACT NO. 412-S

PLAN OF
SANITARY SEWER MAINS

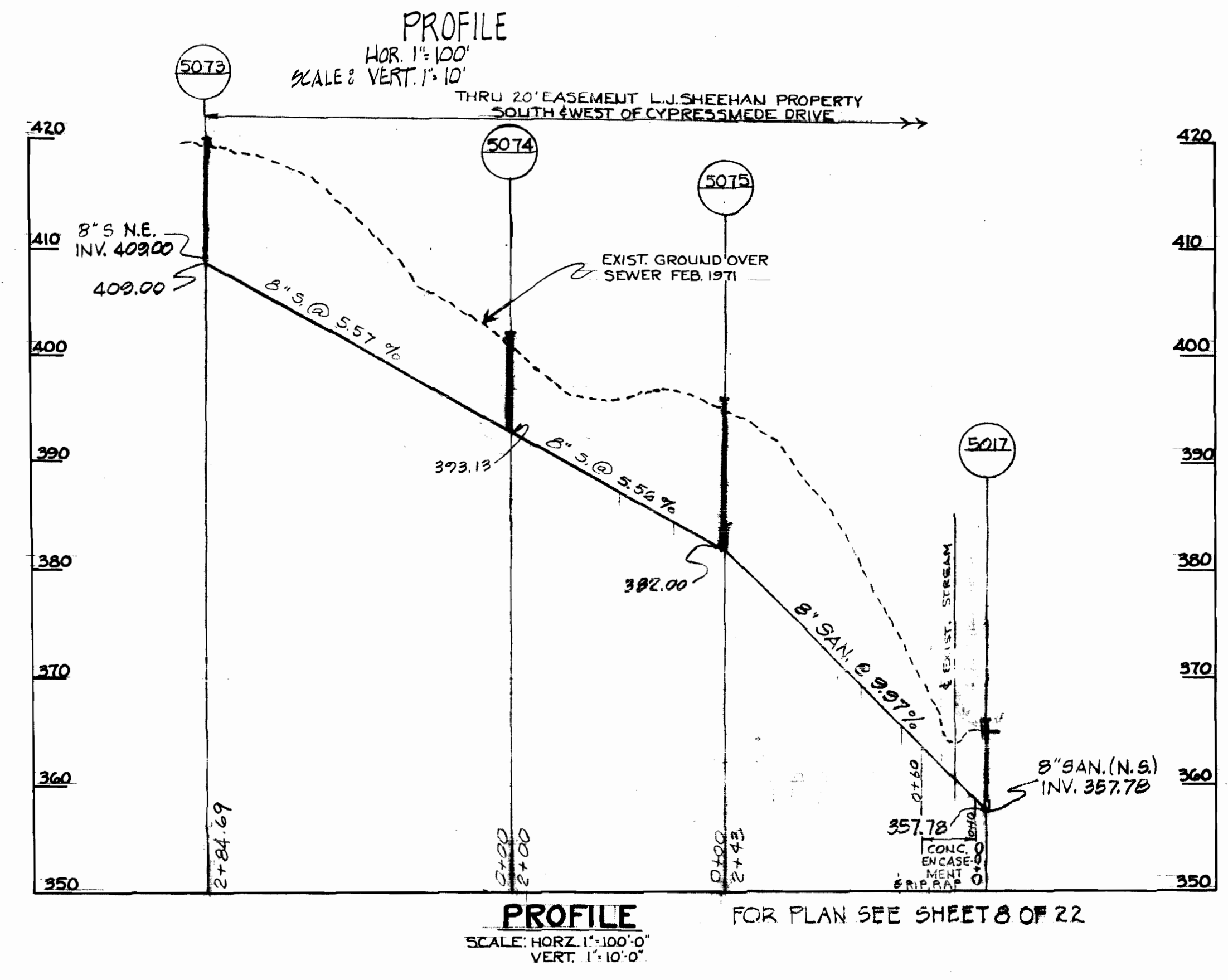
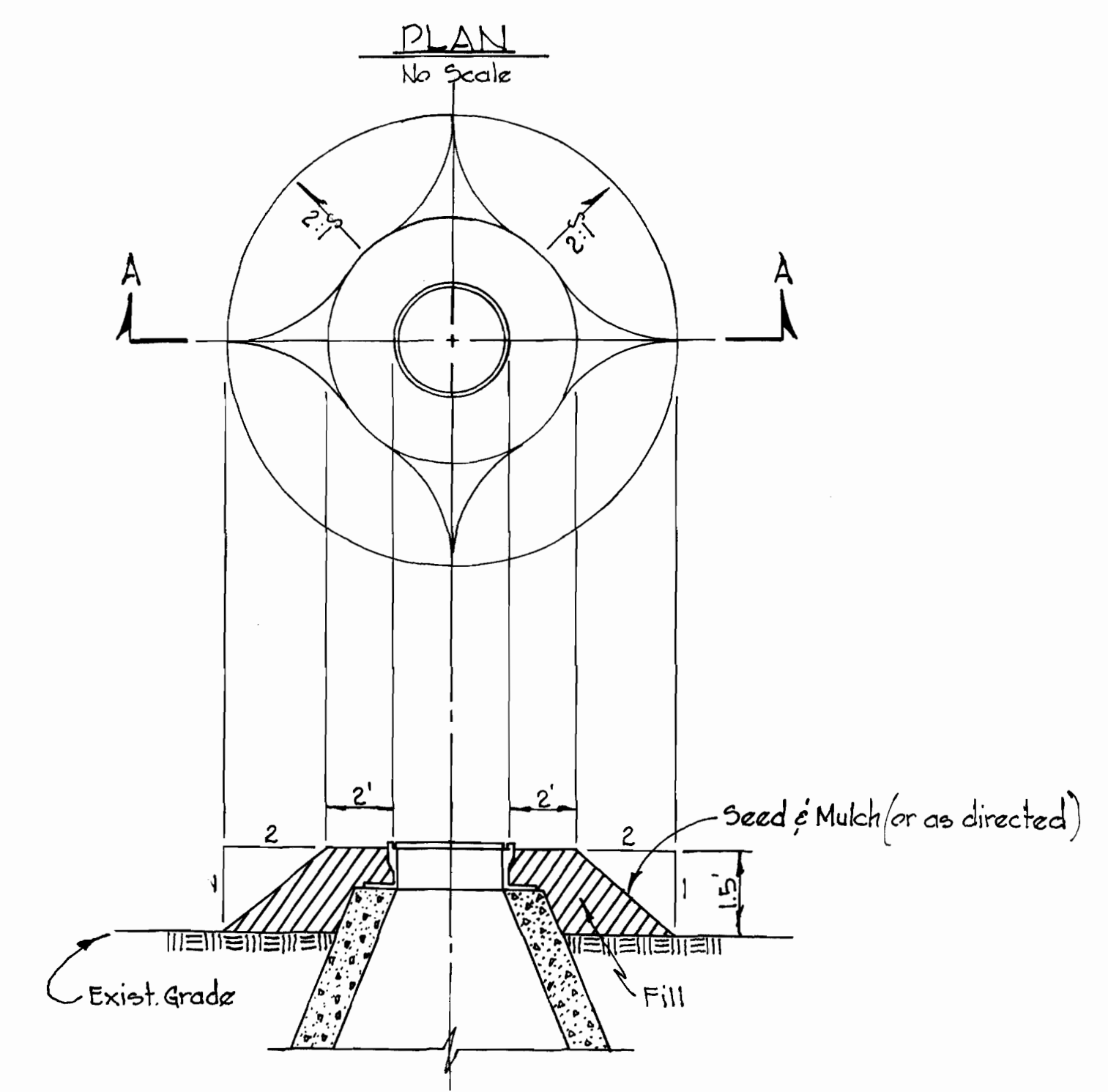
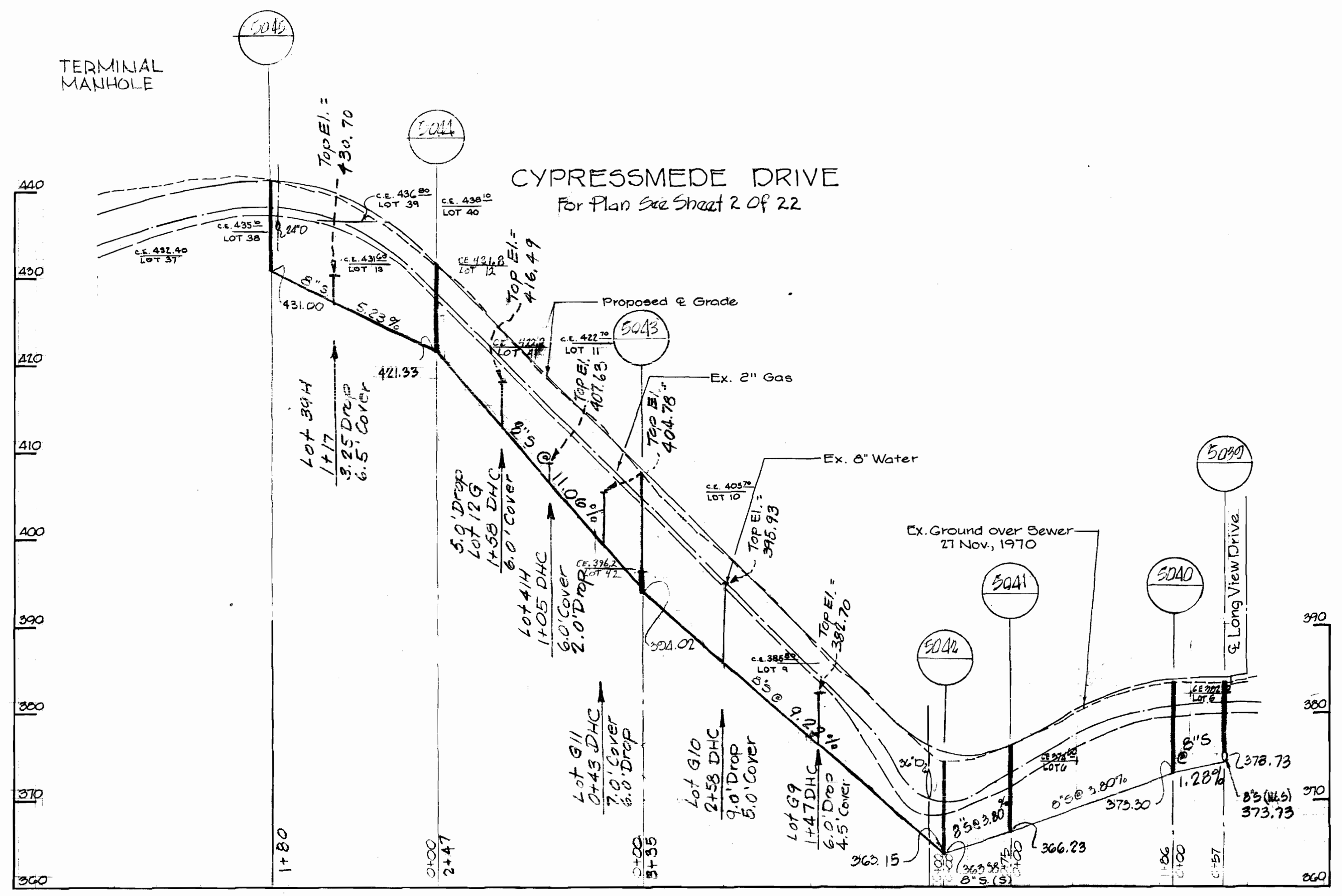
SEWER EXTENSIONS
LITTLE PATUXENT DRAINAGE AREA
ELECTION DISTRICT NO. 2

CONT. 412-S PROJECT NO. SP6032
Little Patuxent Drainage Area
Outfall - Collector Sewers
Pinewick Rd., Postwick Rd., Cypressmeade Dr.,
Ebbwood Dr., Fawnwood Dr., Longview Dr.,
Hickorymeade Dr.

DRAWING NO. 17 OF 22
SCALE AS SHOWN
CHK JCH

REVISIONS - DPW
Date: 4-26-74
REVISED Date: 1-17-75
REVISED 6-12-75
AS BUILT 12-10-76

WS 412-S/17



FURNISHING AND PLACING SPECIAL BACKFILL AT MANHOLES

NOTE: Set MH's 5073, 74, 75 & 5017 as detailed above.

Richard P. Browne
 Richard P. Browne, P. E. & I. S.
 Maryland license No. 5238



DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 DATE: 7-19-73
 Chief Bureau of Engineering

CONTRACT NO. 412-S

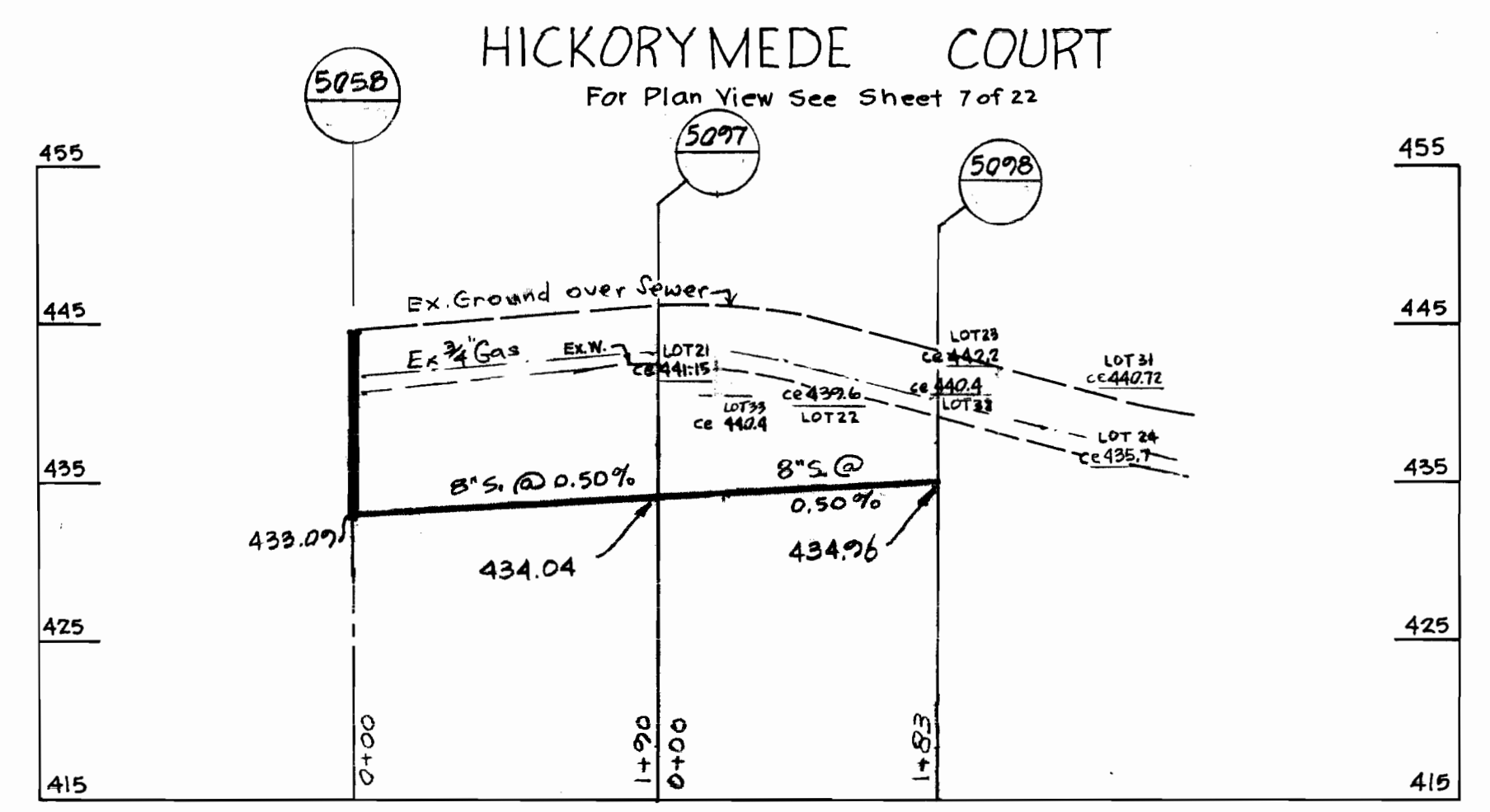
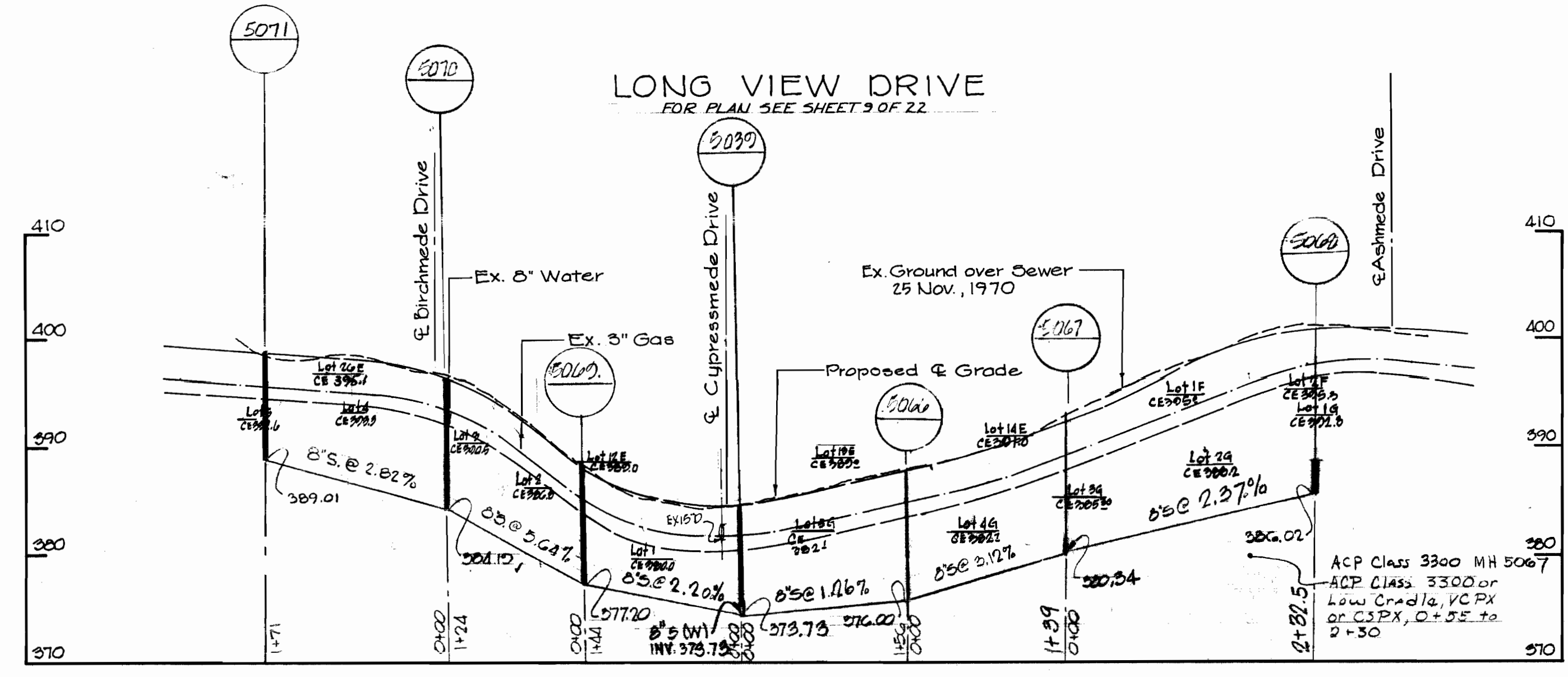
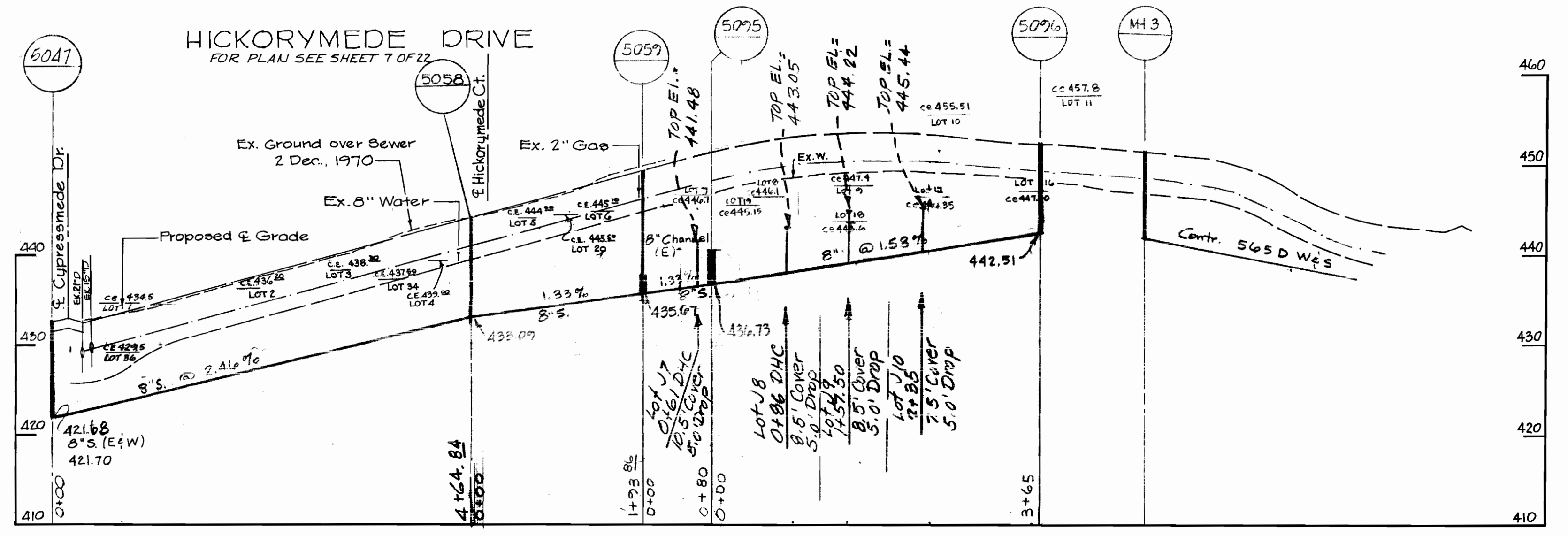
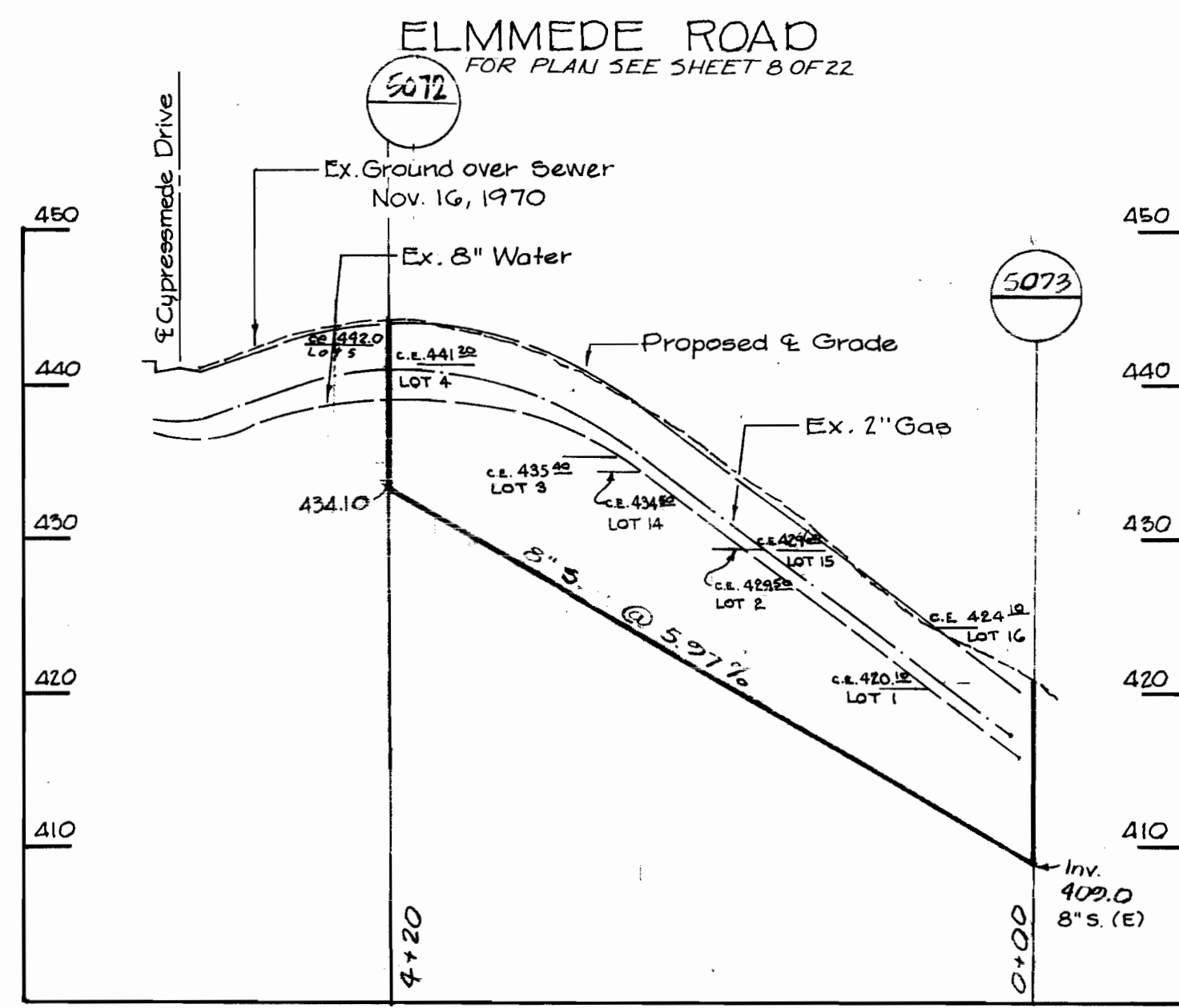
PROFILES OF
 SANITARY SEWER MAINS

SEWER EXTENSIONS
 LITTLE PATUXENT DRAINAGE AREA
 ELECTION DISTRICT NO. 2

CONT. 412-S PROJECT NO. SP4032
 Little Patuxent Drainage Area
 Outfall - Collector Sewers
 Pinewick Rd., Postwick Rd., Cypressmede Dr.,
 Ebbwood Dr., Fawnwood Dr., Longview Dr.,
 Hickorymede Dr.

DRAWING NO. 18 OF 22
 SCALE AS SHOWN

REVISIONS: DPLW Date: 4-26-74
 REVISED Date: 1-17-75
 REVISED 1-19-75 AS BUILT 12-10-76



PROFILE
SCALE: HOR: 1"=100'
VERT: 1"=10'

Richard P. Browne
Richard P. Browne, P. E. & L. S.
Maryland license No. 5238



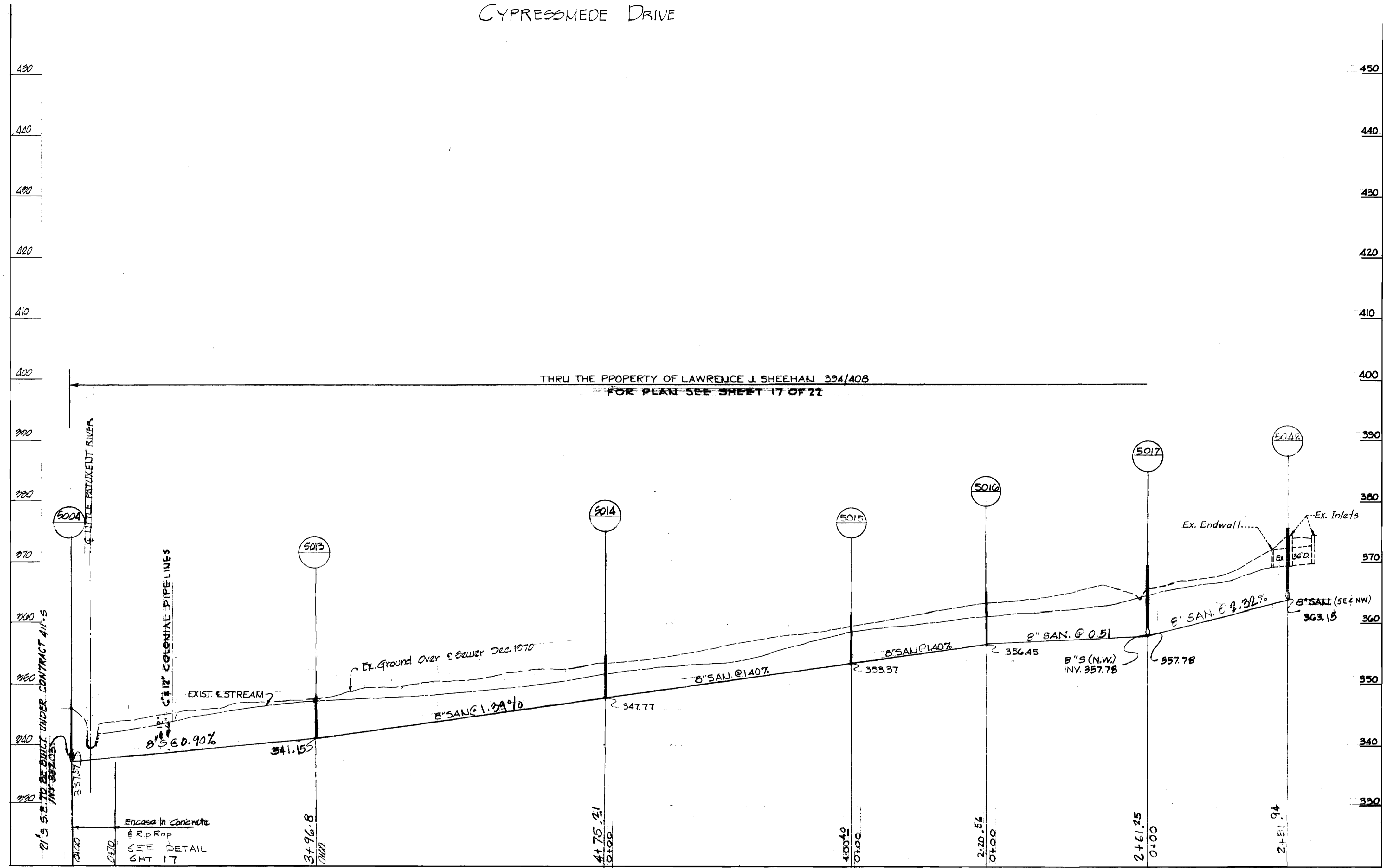
CONT. 412-5 PROJECT NO. SP 6032
Little Patuxent Drainage Area
Outfall - Collector Sewers
Pinewick Rd., Postwick Rd., Cypressmeade Dr.,
Ebbwood Dr., Fawnwood Dr., Longview Dr.,
Hickorymeade Dr.

RICHARD P. BROWNE ASSOCIATES CONSULTING ENGINEERS - PLANNERS THE AMERICAN CITY BUILDING, WINCOPIN CIRCLE COLUMBIA, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE: 7-19-73 <i>W. D. Falbert</i> CHIEF BUREAU OF ENGINEERING	CONTRACT NO. 412-5	PROFILES OF SANITARY SEWER MAINS	SEWER EXTENSIONS LITTLE PATUXENT DRAINAGE AREA ELECTION DISTRICT NO. 2	DRAWING NO. 19 OF 22	SCALE AS SHOWN <i>ENR/ELH</i>
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REVISIONS-DPL
REVISED
Date: 4-26-74
Date: 1-17-75
AS BUILT 12-10-76
REVISED 6-12-75 Revised 2-3-76

WS 412-5/19

PROFILE SPUR SOUTH OF
CYPRESSMEDE DRIVE



NOTE: Set MH's 5013, 5014, 5015, 5016, 5017 & 5042
as directed on Sht 18 of 22

SCALE: HOR: 1"=100'
VERT: 1"=10'

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THE AMERICAN CITY BUILDING, WINCOPIN CIRCLE
COLUMBIA, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
7-19-73
DATE
W. O. Fulbert
CHIEF BUREAU OF ENGINEERING

CONTRACT NO. 412-S

PROFILE OF
SANITARY SEWER MAINS

SEWER EXTENSIONS
LITTLE PATUXENT DRAINAGE AREA
ELECTION DISTRICT NO. 2

DRAWING
NO. 20
OF 22

SCALE
AS
SHOWN

CHK JCF

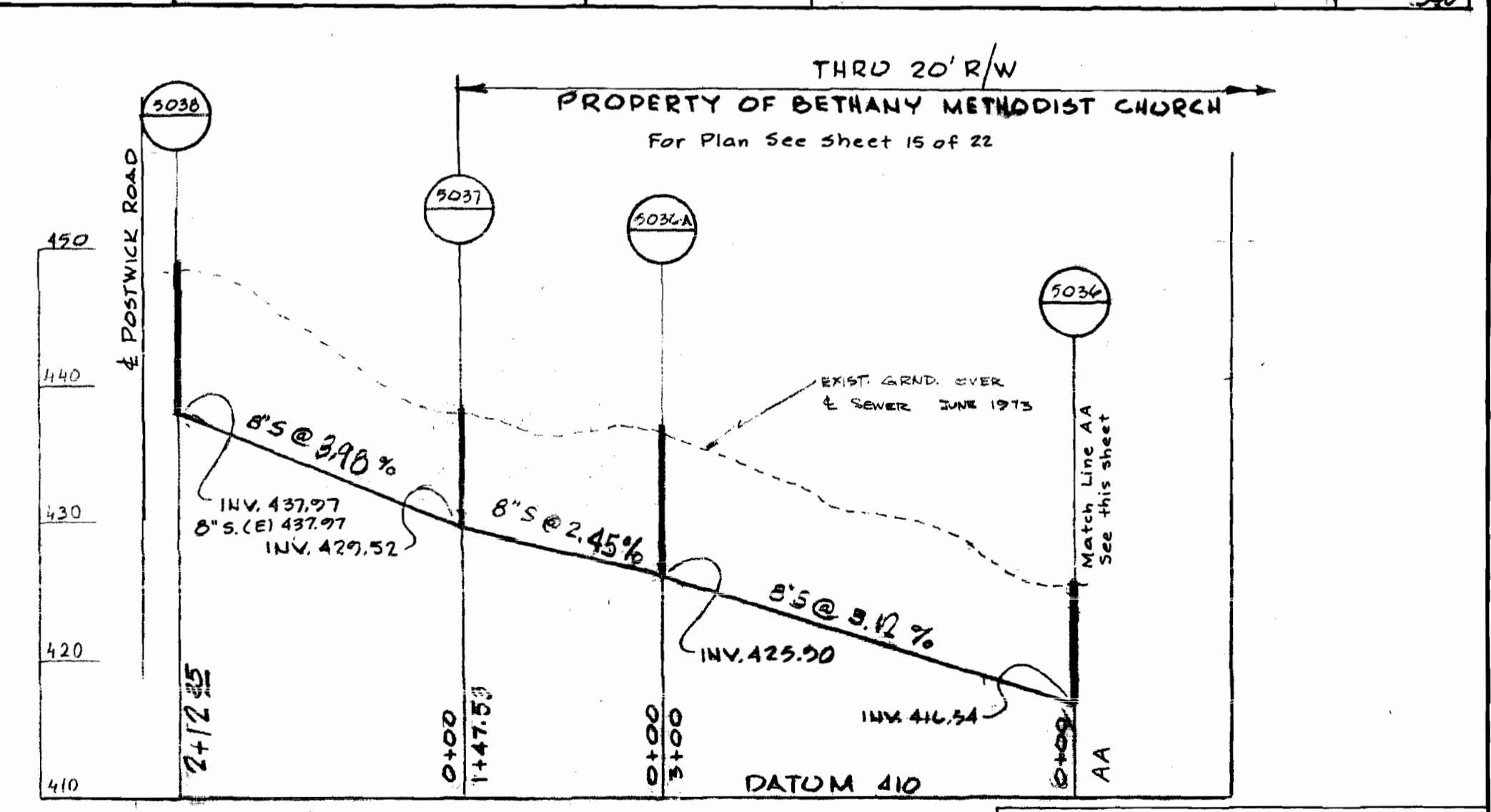
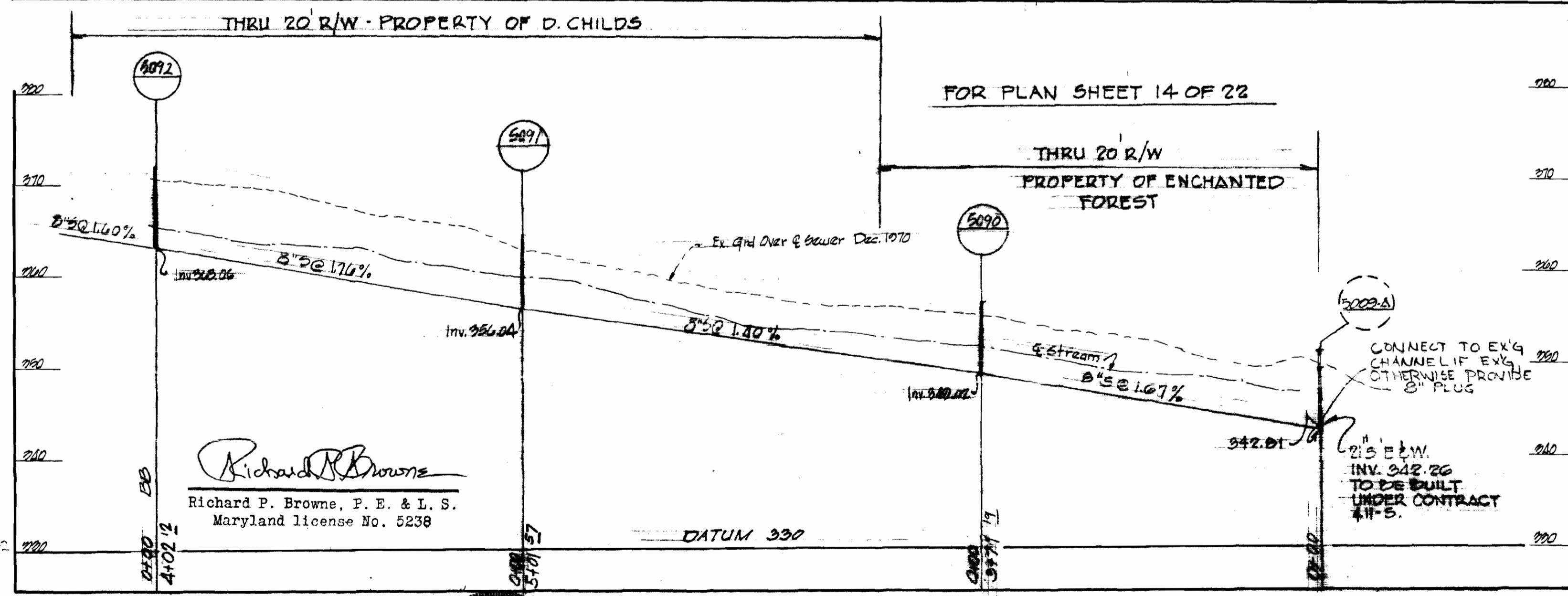
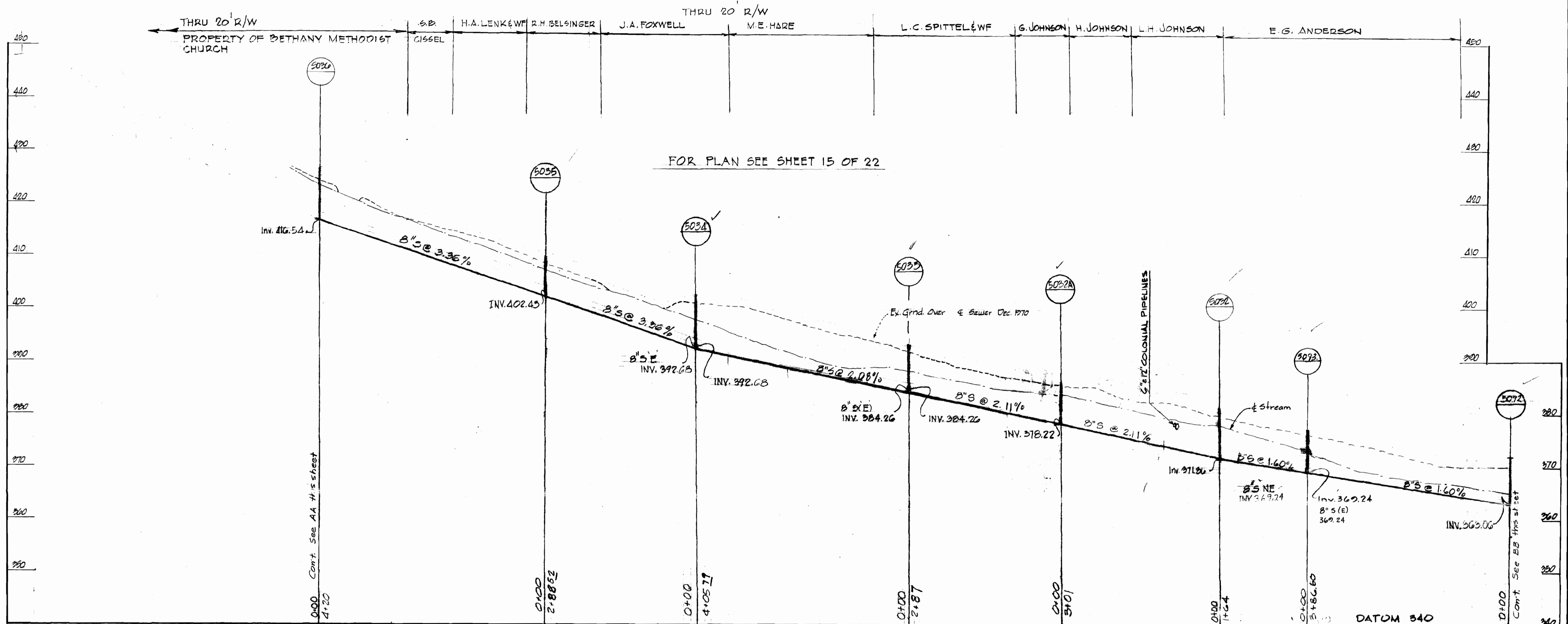
CONT. 412-S PROJECT NO. SP 6032
Little Patuxent Drainage Area
Outfall - Collector Sewers
Pinewick Rd., Postwick Rd., Cypressmede Dr.,
Ebbwood Dr., Fawnwood Dr., Longview Dr.,
Hickorymede Drive

REVISIONS-DPLW Date: 4-26-74
REVISED DATA: 1-17-75
REVISED 6-17-75

AS BUILT 12-10-76

WS 412-S/20

PROFILE SPUR REAR OF BETHANY LANE



RICHARD P. BROWNE ASSOCIATES
CONSULTING ENGINEERS - PLANNERS
THE AMERICAN CITY BUILDING, WINCOPIN CIRCLE
COLUMBIA, MARYLAND



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
CONTRACT NO. 412-S
DATE 7-19-73
W.D. Falbert
CHIEF BUREAU OF ENGINEERING

CONTRACT NO. 412-S

PROFILE OF
SANITARY SEWER MAINS

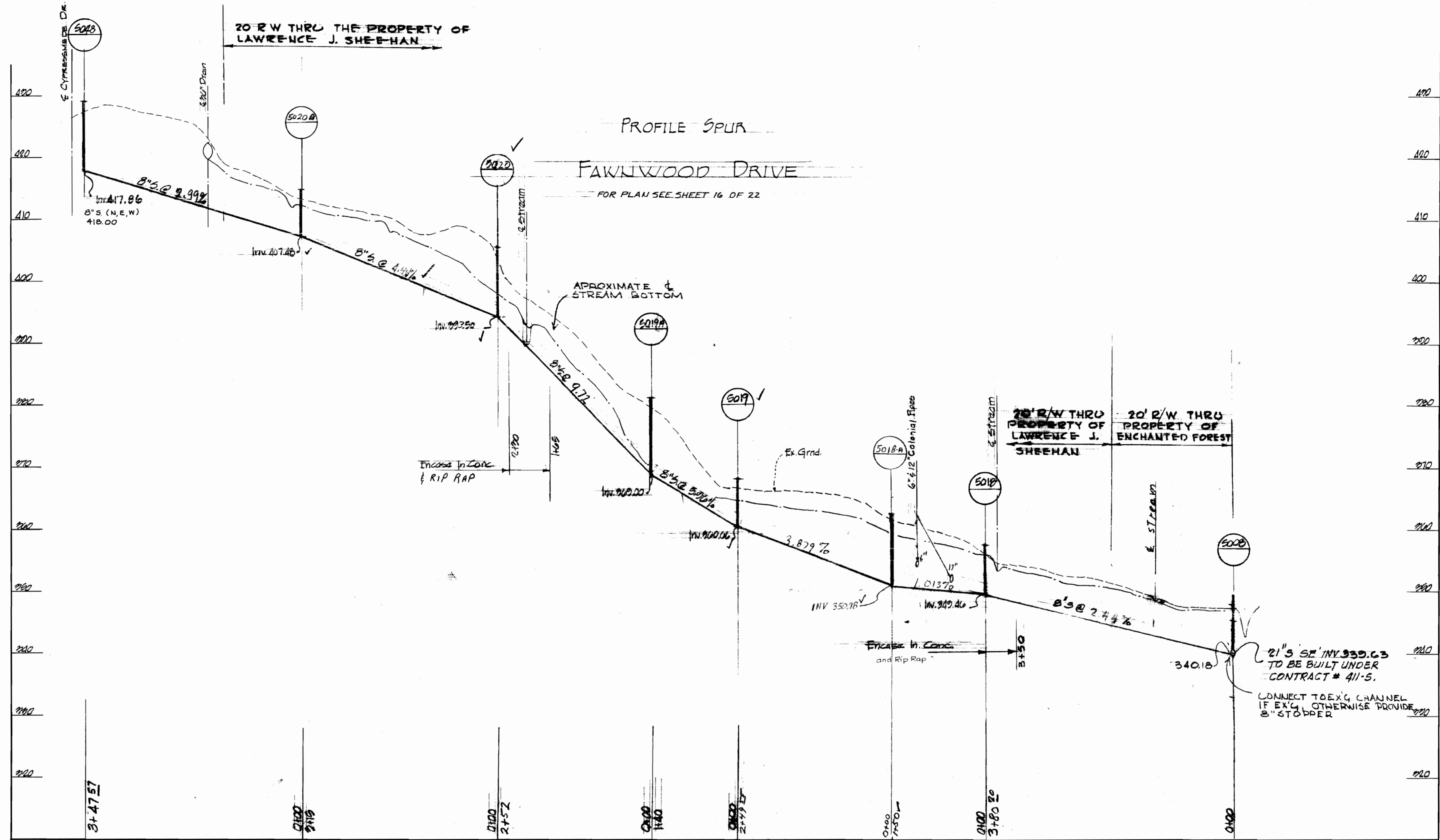
SEWER EXTENSIONS
LITTLE PATUXENT DRAINAGE AREA
ELECTION DISTRICT NO. 2

DRAWING NO. 21 OF 22
SCALE AS SHOWN

CONT. 412-S PROJECT NO. JP 6032
Little Patuxent Drainage Area
Outfall - Collector Sewers
Pinewick Rd., Postwick Rd., Cypressmede Dr.,
Ebbwood Dr., Fawnwood Dr., Longview Dr.,
Hickorymead Drive

REVISIONS - DPW
Date: 4-26-74
REVISED Date: 1-7-75 AS BUILT 12-10-76
REVISED 6-12-75

WS 412-S/21



Scale: Horiz. 1" = 100'
Vert. 1" = 10'

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CONSULTING ENGINEERS - PLANNERS
THE AMERICAN CITY BUILDING, WINCOPIN CIRCLE
COLUMBIA, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
7-19-73 DATE
W. O. Gilbert
W. O. Gilbert
CHIEF BUREAU OF ENGINEERING

CONTRACT NO. 412-S

PROFILE OF
SANITARY SEWER MAINS

SEWER EXTENSIONS
LITTLE PATUXENT DRAINAGE AREA
ELECTION DISTRICT NO. 2

DRAWING NO. 22 OF 22	SCALE AS SHOWN	CHK/CH
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CONT. 412-S PROJECT NO. SP6052
Little Patuxent Drainage Area
Outfall - Collector Sewer
Pinewick Rd., Postwick Rd., Cypressmede Dr.,
Ebbwood Dr., Fawnwood Dr., Longview Dr.,
Hickorymede Drive

REVISIONS-DPW Date: 4-26-74 AS BUILT 12-10-76
REVISED Date: 1-7-75
REVISED 6-12-75

WS 412-S/22