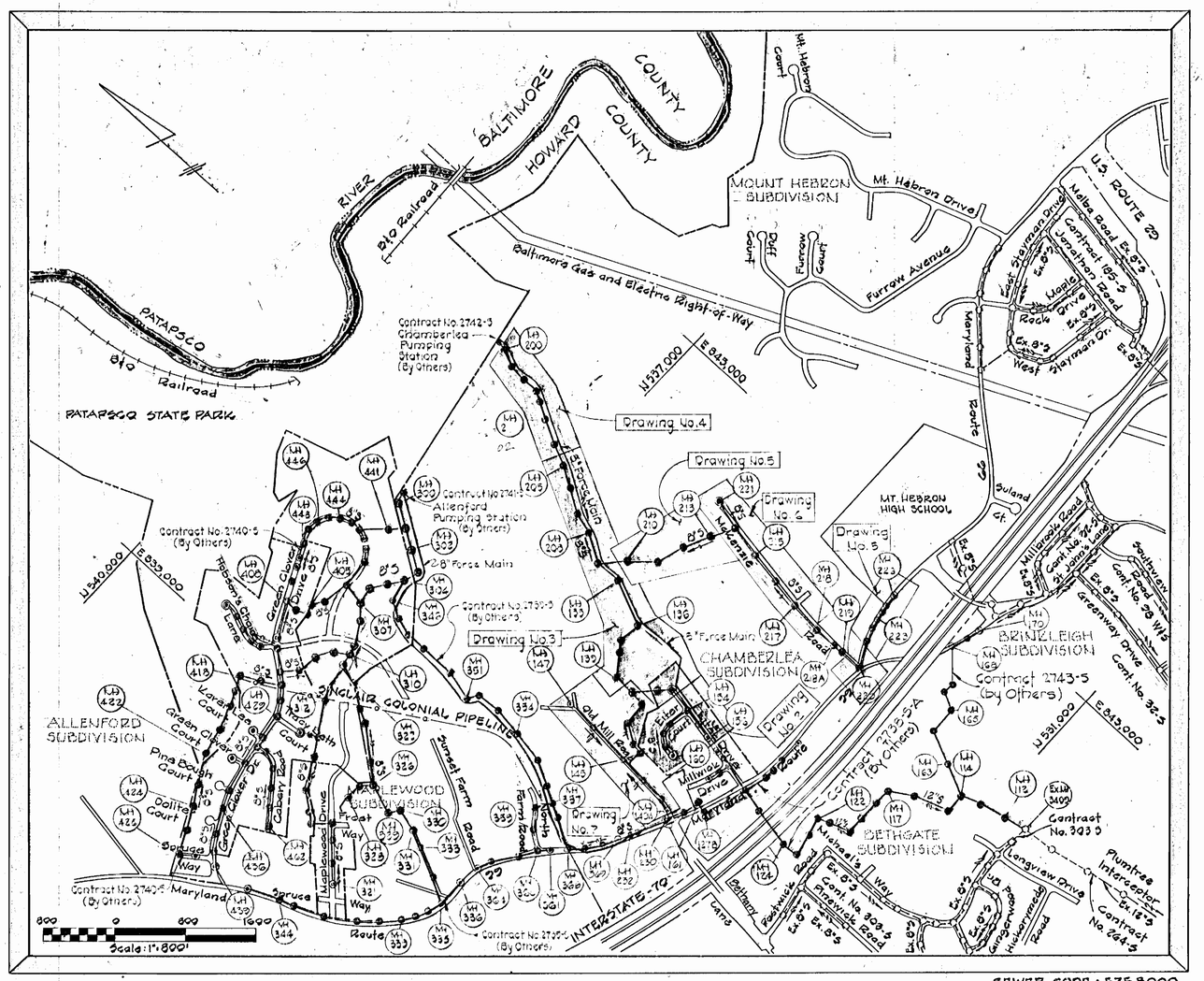
GENERAL NOTES

1. Approximate location of existing utilities are shown. The Contractor shall take all necessary precautions to protect existing utilities and to maintain uninterrupted service. Any damage incurred shall be repaired immediately to the satisfaction of the Engineer by the Contractor at the Contractor's expense.
2. The Contractor shall locate existing utilities a minimum of two weeks in advance of construction operations in vicinity of utilities. Cost shall be included in the unit prices bid for excavation and backfill for mains.
3. Contractor shall notify the following utilities or agencies at least five (5) days before starting work shown on these plans:
   Miss Utility - (Collect) 1-559-0100
   Baltimore Gas & Electric Company - Underground Electric Distribution Engineering "Damage Control" Mr. G.J. Zeller, Manager - 234-5691
   Baltimore Gas & Electric Company - Underground Gas Distribution Engineering, Mr. Bell - 234-5533
   Chesapeake and Potomac Telephone Co. - 725-9978
4. Clear all utilities by a minimum of 6". Clear all poles 2'-0" minimum or tunnel as required. Cost for tunneling or bracing at poles shall be included in the unit prices bid for excavation and backfill for sewer mains.
5. All pipe elevations shown are invert elevations.
6. All manholes shall be 4'-0" inside diameter, unless otherwise noted.
7. The Contractor shall provide a pipe joint in each sewer main within 2'-0" of the exterior manhole walls.
8. Watertight manhole frame and cover to be used where indicated on drawings Standard Details S-12 (RCR-63 A) . Where watertight manhole frame and cover is used, set top of frame 1'-8" above finished grade.
9. For details not shown on the Contract Drawings see Standard Details bound in the specifications.
10. Trees are to be protected from damage to the maximum extent.
11. Contractor shall remove trees, stumps and roots along line of excavation as directed by the Engineer. Payment for such removal shall be included in the unit price bid for excavation and backfill for sewer mains.
12. Place regulation "Men Working" and warning signs as required to comply with Maryland State Highway Administration Manual of Traffic Control for Highway Construction and Maintenance Operations.
13. All sewer mains shall be C.S.P.X., V.C.P.X., or A.C.P. Class 2400 unless otherwise noted.
14. Force mains shall be ductile iron pipe Class 54 in accordance with Section 8 of the specifications. Force main shall have a minimum of 4 feet of cover.
15. Buttress or anchor all force main fittings with concrete. For details see Standard Details bound in the specifications.
16. Horizontal and vertical controls are based on the Maryland State Grid Coordinate System.
17. As-built stationing based on design stations.



SEWER CODE : 5758000

QUANTITIES		
ITEM	ESTIMATED	AS-BUILT
8" Sewer	12,925 L.F.	14,678.5 L.F.
6" Sewer	1,585 L.F.	1,575 L.F.
8" Force Main	3,200 L.F.	2,758 L.F.
Manholes	670 V.F.	655 V.F.
8" SEWER REQUIREMENTS CONTRACT		406 LF PVC CAMLOK 1478 &
6" SEWER REQUIREMENTS CONTRACT		141 LF PVC CAMLOK 1478 A
MANHOLES REQUIREMENT CONTRACT		3 ATLANTIC PRECAST

ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THESE DRAWINGS AND ARTICLE 15 OF THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV.

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

James M. Helman — 8/10/82
U.S. SOIL CONSERVATION DISTRICT — DATE

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

William V. Kann — 8-10-82
HOWARD SOIL CONSERVATION DISTRICT — DATE

CONTRACT NO. 2738-S-B

CHAMBERLEA SANITARY SEWERS
CHAMBERLEA SUBDIVISION
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS

AS-BUILTS

STATE OF MARYLAND — CHARLES HENRY LEE — No. 6288 — REGISTERED PROFESSIONAL ENGINEER

Charles H. Lee

EPA NO. C-240594.01
CONTRACT NO. 2738-S-B
CAPITAL PROJECT NO. S-4-6067
CHAMBERLEA SANITARY SEWERS
CHAMBERLEA SUBDIVISION

PURDUM & JESCHKE ENGINEERS 1023 N. CALVERT ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND	Robert Berning 8-28-81 CHIEF-BUREAU OF UTILITIES DATE	CONTRACT NO. 2738-S-B CAPITAL PROJECT NO. S-4-6067	VICINITY MAP CHAMBERLEA SEWER MAINS	CHAMBERLEA SANITARY SEWERS ELECTION DISTRICT NO. 2 HOWARD COUNTY, MARYLAND	DRAWING NO. 1 OF 12	SCALE 1"= 800'	MAPS: 234-41 & 235-41
	DJ Rega Jr. 8-30-77 DIRECTOR OF PUBLIC WORKS DATE	W.O. Miller 9-29-77 CHIEF BUREAU OF ENGINEERING DATE					

W.O.# 3334-11

K&E BALTIMORE 17 0459 PHOENIX MC 3345

NOT INCLUDED IN THIS CONTRACT

BENCH MARKS

B.M. #100 — Elev. 466.11
Railroad Spike in G & E Pole #35729, North Side Route 99, 100'± East of Liter Drive.

B.M. #101 — Elev. 446.42
Railroad Spike in 18" Locust, 30'± North-east of P.I. "XT-1".

B.M. #102 — Elev. 461.18
Railroad Spike in 15" Locust, 100'± North of P.I. "XT-2"

B.M. #103 — Elev. 441.93
Railroad Spike in 36" Oak, 40'± North-east of P.I. "XT-5"

B.M. #104 — Elev. 434.23
Railroad Spike in 18" Maple, 153'± North-east of P.I. "XT-6"

B.M. #112 — Elev. 471.67
"L" Cut on Northeast Corner of Inlet, West Side Liter Drive, 30'± South of Liter Court.

B.M. #113 — Elev. 479.90
Road Side Bonnet Bolt of Fire Hydrant, West Side Liter Drive, Between Houses #2610 and #2606.

B.M. #114 — Elev. 487.49
Bolt of Water Meter at House #2621 Liter Drive East of Curb.

B.M. #115 — Elev. 482.72
Bolt of Water Meter at House #2625 Liter Drive East of Curb.

B.M. #116 — Elev. 469.43
Road Side Bonnet Bolt of Fire Hydrant, West Side Liter Drive, 100'± North of Route 99.

PLAN
Scale: 1" = 50'

NOTES:
1. W.T. Indicates Watertight Manhole Frame and Cover.
2. Construct Force Main and Sewer Main in Common Trench. See Detail Drawing No. 4

Property of
BLUFE D. & HUBERT H. HARBIN
226/63

Rev.	Date	Remarks
1	1-85	As-Builts

AS-BUILTS

EPA NO. C-240594.01
CONTRACT NO. 2738-S-B
CAPITAL PROJECT NO. S-4-6067
CHAMBERLEA SANITARY SEWERS
CHAMBERLEA SUBDIVISION

PURDUM & JESCHKE
ENGINEERS
1023 N. CALVERT ST.
BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
DIRECTOR OF PUBLIC WORKS — DATE 8-30-77
CHIEF BUREAU OF UTILITIES — DATE 8-28-81
CHIEF BUREAU OF ENGINEERING — DATE 8-29-77

CONTRACT NO. 2738-S-B
CAPITAL PROJECT NO. S-4-6067

PLAN
CHAMBERLEA
SEWER & FORCE MAINS

CHAMBERLEA SANITARY SEWERS
ELECTION DISTRICT NO. 2
HOWARD COUNTY, MARYLAND

DRAWING NO. 2 OF 12

SCALE 1" = 50'

Designed: RDB
Drafted: AEL
Checked: REP

K&E BALTIMORE 17 0453 PHOENIX MC 3343+

W.O. #3394-11

NOTES:

1. WT Indicates Waterfight Manhole Frame and Cover.
2. Construct Force Main and Sewer Main in Common Trench. See Detail Drawing No. 4.

BENCH MARKS

Bench Mark	Description	Elevation
B.M. "111"	Road Side Bonnet Bolt of Fire Hydrant North end of Cul-de-sac, Liter Drive	Elev. 475.37
B.M. "109"	Railroad Spike in 18" Hickory; 40'± South of P.I. "MR-111C"	Elev. 424.03
B.M. "108"	Railroad Spike in 20" Poplar; 25'± Northwest of P.I. "MR-111B"	Elev. 410.38
B.M. "106"	Railroad Spike in 24" Poplar; 15'± Southeast of P.I. "XT-9"	Elev. 390.83
B.M. "105"	Railroad Spike in 20" Oak; 20'± Southwest of P.I. "XT-8"	Elev. 426.08
B.M. "2"	Railroad Spike in 5" Locust; 25'± Northeast of P.I. "ES-1"	Elev. 367.24
B.M. "41"	Railroad Spike in Root of 20" Poplar; 78'± West of P.I. "MR-104-F"	Elev. 359.88
B.M. "40"	Railroad Spike in 20" Poplar; 57'± Southeast of P.I. "MR-115"	Elev. 355.50
B.M. "38"	Railroad Spike in 18" Oak; 15'± South of P.I. "MR-117"	Elev. 345.11
B.M. "37"	Railroad Spike in 20" Poplar 10'± South of P.I. "MR-118"	Elev. 341.78

EPA NO. C-240594.01
CONTRACT NO. 2738-S-B
CAPITAL PROJECT NO. S-4-6067
CHAMBERLEA SANITARY SEWERS
CHAMBERLEA SUBDIVISION

Rev.	Date	Remarks
△	1-85	As-Builts

STATE OF MARYLAND · CHARLES HENRY LEE · No. 4268 · REGISTERED PROFESSIONAL ENGINEER

Charles H Lee

PURDUM & JESCHKE
ENGINEERS
1023 N. CALVERT ST.
BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Robert M Beuning 8-28-91 — CHIEF-BUREAU OF UTILITIES, DATE
T.J. Regan Jr 8-30-77 — DIRECTOR OF PUBLIC WORKS, DATE
W O Filbert 8-29-77 — CHIEF-BUREAU OF ENGINEERING, DATE

CONTRACT NO. 2738-S-B
CAPITAL PROJECT NO. S-4-6067

PLAN CHAMBERLEA SEWER & FORCE MAINS

CHAMBERLEA SANITARY SEWERS
ELECTION DISTRICT NO. 2
HOWARD COUNTY, MARYLAND

DRAWING NO. 3 OF 12

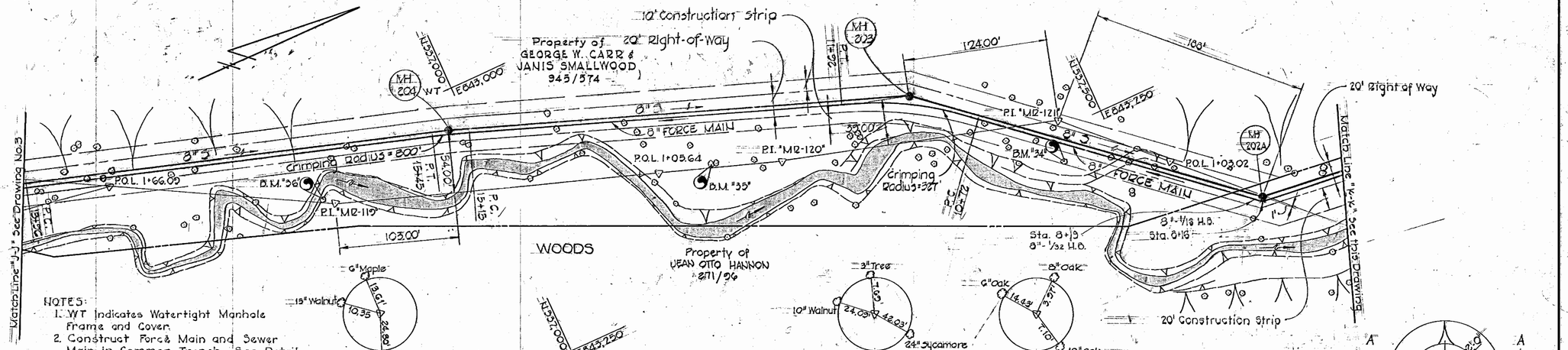
SCALE 1"=50'

Designed: RDB
Drafted: RDB
Checked: REP

W.O.#3394-11

K&E BALTIMORE 17 0453 PHOENIX MC 3343

For Profile See Drawing No.10

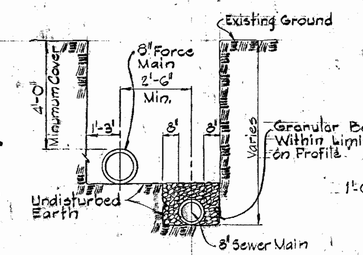


NOTES:
1. WT Indicates Watertight Manhole Frame and Cover.
2. Construct Force Main and Sewer Main in Common Trench. See Detail This Drawing.

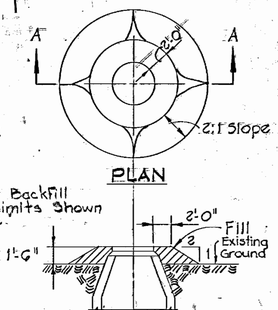
PLAN
Scale: 1"=50'

Diversion berms are required every 250' on continuous slopes of 4% or greater. The berms shall conform to the typical section shown hereon and shall be constructed across the construction areas immediately after the backfilling of the pipe trench and prior to placing stabilization in order to prevent erosion of the backfilled areas.

NOTES:
1. Trench shall be Braced or Sheeted as Required
2. Provide Bearing Full Length of Barrel. Dig Bell Holes.
3. Contractor shall Excavate, Install Sewer Main and Backfill Trench to Invert of Force Main Prior to Excavating for Force Main.

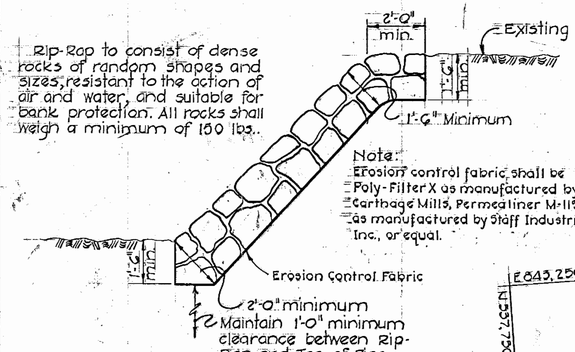


FORCE MAIN AND SEWER MAIN IN COMMON TRENCH
Not To Scale

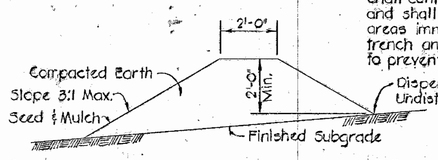


SECTION "A-A"
FILL AT MANHOLE
No Scale

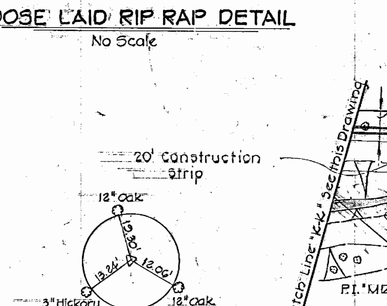
Rip-Rap to consist of dense rocks of random shapes and sizes, resistant to the action of air and water, and suitable for bank protection. All rocks shall weigh a minimum of 150 lbs..

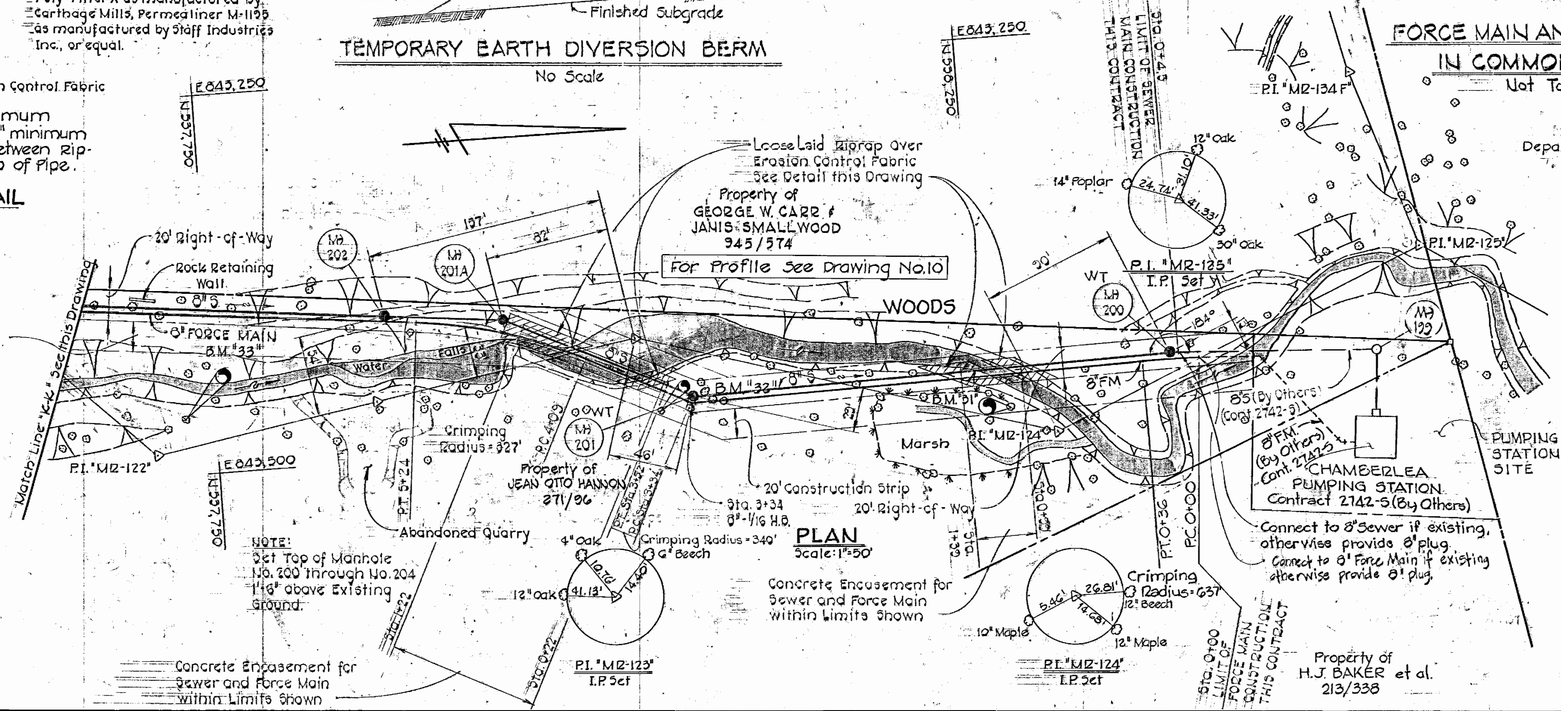


LOOSE LAID RIP RAP DETAIL
No Scale



TEMPORARY EARTH DIVERSION BERM
No Scale





NOTE:
Set Top of Manhole No. 200 through No. 204 1'-6" above Existing Ground.

Concrete Encasement for Sewer and Force Main within Limits Shown

BENCH MARKS

B.M. "31" Elev. 295.20
Railroad Spike in 20" Beech, 35'± South of P.I. "MR-124"

B.M. "32" Elev. 303.82
Railroad Spike in 20" Maple, 52'± East of P.I. "MR-123"

B.M. "33" Elev. 324.74
Railroad Spike in 15" Maple, 30'± West of P.I. "MR-122"

B.M. "34" Elev. 331.85
Railroad Spike in 20" Sycamore, 35'± East of P.I. "MR-121"

B.M. "35" Elev. 332.50
Railroad Spike in 36" Sycamore 60'± South of P.I. "MR-120"

B.M. "36" Elev. 339.67
Railroad Spike in 15" Walnut, 10'± South of P.I. "MR-119"

EPA NO. C-240594.01
CONTRACT NO. 2738-S-B
CAPITAL PROJECT NO. S-4-6067
CHAMBERLEA SANITARY SEWERS
CHAMBERLEA SUBDIVISION

STATE OF MARYLAND CHARLES HENRY LEE No. 6168 REGISTERED PROFESSIONAL ENGINEER

Charles H. Lee

PURDUM & JESCHKE
ENGINEERS
1023 N. CALVERT ST.
BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Patty Burns 5-28-8
CHIEF-BUREAU OF UTILITIES DATE

DIRECTOR OF PUBLIC WORKS DATE 8-30-77

W.O. FILE 8-29-77
CHIEF-BUREAU OF ENGINEERING DATE

CONTRACT NO. 2738-S-B
CAPITAL PROJECT NO. S-4-6067

PLAN & DETAILS CHAMBERLEA SEWER & FORCE MAINS

CHAMBERLEA SANITARY SEWERS
ELECTION DISTRICT NO. 2
HOWARD COUNTY, MARYLAND

DRAWING NO. 4 OF 12

SCALE AS SHOWN

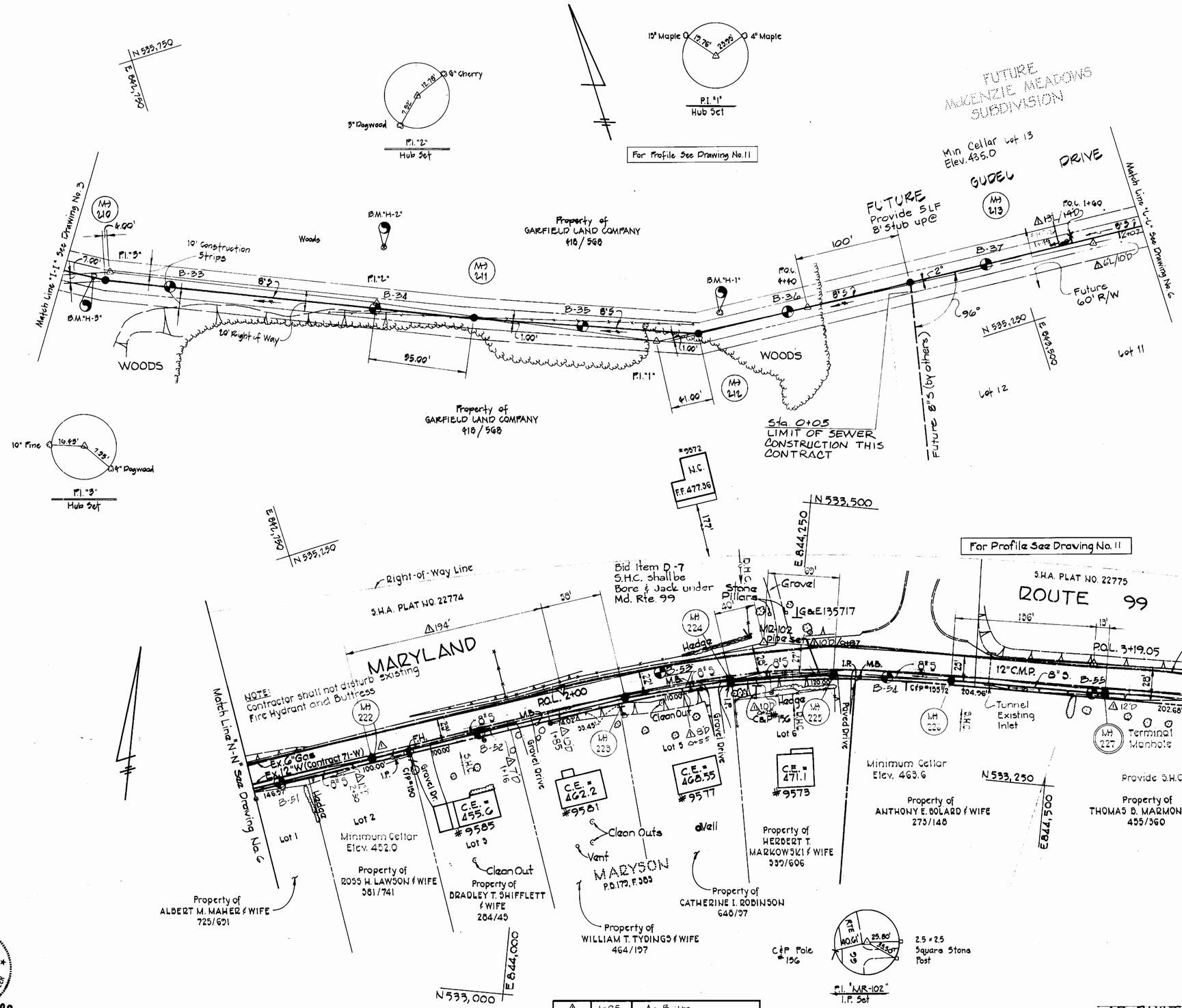
Designed: RDB
Drafted: RDB
Checked: REP

W.O. # 339400

K&E BALTIMORE 17 0453 PHOENIX MC 3343+

BENCH MARKS

B.M."H-1"	Elev. 422.52
Railroad Spike in 12" Cherry 55'± Northeast of P.I. "1".	
B.M."H-2"	Elev. 400.58
Railroad Spike in 10" Twin Maple 55'± Northeast of P.I. "2".	
B.M."H-3"	Elev. 383.65
Railroad Spike in 10" Pine 16'± West of P.I. "3".	



For Profile See Drawing No. 11

STATE OF MARYLAND
CHARLES HENRY LEE
No. 4268
REGISTERED
PROFESSIONAL ENGINEER

Charles H. Lee

Rev.	Date	Remarks
1	1-85	As-Builts

AS-BUILTS

EPA NO. C-240594.01
CONTRACT NO. 2738-S-B
CAPITAL PROJECT NO. S-4-6067
CHAMBERLEA SANITARY SEWERS
CHAMBERLEA SUBDIVISION

PURDUM & JESCHKE
ENGINEERS
1023 N. CALVERT ST.
BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DIRECTOR OF PUBLIC WORKS — DATE 8-30-77

CHIEF-BUREAU OF UTILITIES — DATE 8-28-81

CHIEF-BUREAU OF ENGINEERING — DATE 8-29-77

CONTRACT NO. 2738-S-B
CAPITAL PROJECT NO. S-4-6067

PLAN
CHAMBERLEA SEWER MAINS

CHAMBERLEA SANITARY SEWERS
ELECTION DISTRICT NO. 2
HOWARD COUNTY, MARYLAND

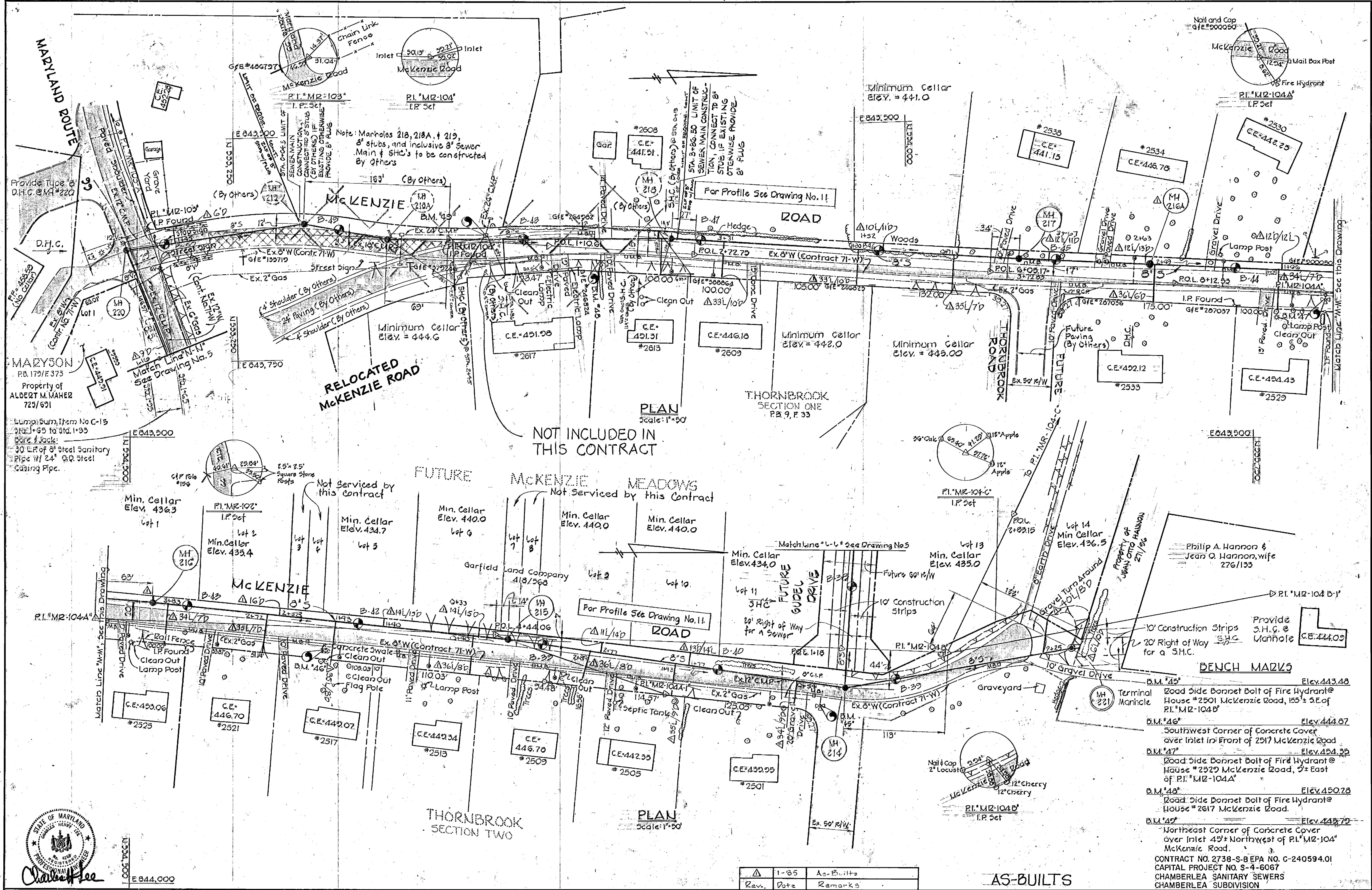
DRAWING NO. 5 OF 12

SCALE 1"=50'

Designed: LKG
Drafted: REC
Checked: REP

W.O. 3394-11

K&E BALTIMORE 17 0493 PHOENIX MC 3343+



BENCH MARKS

B.M. "45" — Elev. 443.48
Road Side Bonnet Bolt of Fire Hydrant @ House #2501 McKenzie Road, 155'± S.E. of P.I. "MR-104B"

B.M. "46" — Elev. 444.87
Southwest Corner of Concrete Cover over Inlet in Front of 2517 McKenzie Road

B.M. "47" — Elev. 454.35
Road Side Bonnet Bolt of Fire Hydrant @ House #2529 McKenzie Road, 9'± East of P.I. "MR-104A"

B.M. "48" — Elev. 450.28
Road Side Bonnet Bolt of Fire Hydrant @ House #2617 McKenzie Road.

B.M. "49" — Elev. 445.79
Northeast Corner of Concrete Cover over Inlet 45'± Northwest of P.I. "MR-104" McKenzie Road.

CONTRACT NO. 2738-S-B EPA NO. C-240594.01
CAPITAL PROJECT NO. S-4-6067
CHAMBERLEA SANITARY SEWERS
CHAMBERLEA SUBDIVISION

Rev.	Date	Remarks
△	1-85	As-Builts

AS-BUILTS

PURDUM & JESCHKE
ENGINEERS
1023 N. CALVERT ST.
BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Director of Public Works 8-30-77
Chief-Bureau of Utilities 8-28-81
Chief-Bureau of Engineering 8-29-77

CONTRACT NO. 2738-S-B
CAPITAL PROJECT NO. S-4-6067

PLAN
CHAMBERLEA SEWER MAINS

CHAMBERLEA SANITARY SEWERS
ELECTION DISTRICT NO. 2
HOWARD COUNTY, MARYLAND

DRAWING NO. 6 OF 12
SCALE 1"=50'
Designed: RDB
Drafted: RDB
Checked: REP

W.O. # 339400 F.B. #3394-00, 01, 04

K&E BALTIMORE 17 0453 PHOENIX MC 3343

WS 738 S-B/6

BENCH MARKS

B.M. #1 — Elev. 457.83
R.R. Spike in 15" Maple, ± 39' North of Traverse P.I. "E9-1"

B.M. #2 — Elev. 441.24
R.R. Spike in 12" Cherry, ± 24' East of Traverse P.I. "E9-2"

B.M. #3 — Elev. 456.26
R.R. Spike in G/E #389785, ± 35' South of Traverse P.I. "E9-3"

B.M. #4 — Elev. 470.62
R.R. Spike in C/P Pole #3, ±49' South of Traverse P.I. "E9-4"

B.M. B.J. #9 — Elev. 479.94
3 Cut Nails in C/P Pole #74 at South-east Intersection of Bethany Lane and Maryland Route 99

Tack in 8" Locust
Tack in 12" Walnut
C/P 3
B.M. #4
P.I. "E9-4" I.P. Set
Match Line "E-E" See this Drawing
P.I. "E9-4"
I.P. Set
B.M. #4
C/P 3
MH 149
N 533,750
E 840,750
E 841,250
MILL ROAD
C/P 2½
C/P 2
MH 149
20' Construction Strip
20' Right of Way
Monument
Property of ROLAND S. STIRN & CATHERINE E. STIRN, his wife 509/635
Property of BLUFE B. HARBIN 289/198
B-31
B-32
B-33
8" Sewer Main (by others) Contract 2738-S-B
Right of Way Area Terminal Manhole
MH 149A
MH 220 (by others)
Woods
OLD MARYLAND ROUTE 99
Ex. 2nd Shoulder
Ex. Paving
Ex. 6" W
Ex. 12" C.M.P.
Ex. 8" W (Contain)
C/P 75
P.I. "B-7"
BETHANY LANE (PUBLIC Future 85' (BY OTHERS)
Road Signs
Ex. 12" W (Contain No. 71-W)
Possible Future 8" S (By Others)
P.O.L. 1+92.70
C/P 73
MH 127B
Provide Type 'B' D.H.C. @ Manhole #127B
STA. 0+045 LIMIT OF SEWER CONSTRUCTION THIS CONTRACT
MAIN CONSTRUCTION THIS CONTRACT
Connect to 8" Sewer if existing, otherwise, Provide plug
Provide 8" Channel for Future 8" Sewer at MH 127 B (by others)
Match Line "D-D" See this Drawing
Match Line "E-E" See this Drawing
FOR PROFILE SEE DRAWING NO. 12
FOR PROFILE SEE DRAWING NO. 13
FOR PROFILE SEE DRAWING NO. 14
NOT INCLUDED IN THIS CONTRACT
Lump Sum Item No. Sta. 0+10 to Sta. 0+50
Bore & Jack: 40 L.F. of 8' Steel Sanitary Pipe W/ 24" Steel Casing Pipe. See Standard Detail S-44 in Specifications.
Provide 8" D.I. Pipe & Manhole No. 4 See Drawing No. 4
Provide Type 'B' D.H.C. @ Manhole #127B
C.E.-480.38
C.E.-472.48
Tack in G/E 477310
Tack in G/E 272056
Tack in C/P 74
Tack in C/P 1
MH 127A
MH 127B
MH 128
MH 129
MH 130
MH 131
Gas Valve
Fire Hydrant
P.I. "B-7" I.P. Set
P.O.L. 1+92.70 P.I. Set
Charles H. Lee
STATE OF MARYLAND CHARLES HENRY LEE No. 6108 REGISTERED PROFESSIONAL ENGINEER

O Septic Tank
G.E.-464.28
G.E.-467.92
E 841,000
N 535,000
Provide S.H.C. @ Manhole
Sewer Service not provided this Contract
P.I. "E9-1" I.P. Set
Traverse Line Extended
H.F.-470.52
H.F.-467.72
N 533,000
E 841,750
Terminal Manhole
Provide S.H.C. @ Manhole
Property of BENJAMIN H. MINCHEW 514/188
Tack in 15" Maple
Tack in 12" Poplar
Tack in 24" Oak
Tack in 24" Poplar
Tack in 18" Walnut
Tack in 12" Cherry
B.M. #1
B.M. #2
P.I. "E9-1" I.P. Set
P.I. "E9-2" I.P. Set
P.I. "E9-3A"
P.I. "E9-3" I.P. Set
Tack in G/E 389785 B.M. #3
Corner Wooden Shed
Shed
Tree Row
Shrub Row
Wood Fence
Gravel Dr.
12' Concrete Dr.
10' Earth Dr.
P.I. "E9-3B"
P.O.L. 1+20
P.O.L. 3+77.85
P.O.L. 3+15.20
20' Construction Strip
20' Right of Way
10' Construction Strips
Property of ROLAND S. STIRN & CATHERINE E. STIRN, his wife 509/635
Property of HOWARD R. BARTH & HAZEL BARTH, his wife 436/434
WOODS
Lot 26
Lot 25
Lot 27
Lot 28
CHAMBERLEA SECTION TWO 10/62
AS-BUILTS
EPA NO. C-240594.01
CONTRACT NO. 2738-S-B
CAPITAL PROJECT NO. S-4-6067
CHAMBERLEA SANITARY SEWERS
CHAMBERLEA SUBDIVISION

Rev.	Date	Remarks
1	1-85	As-Builts

PURDUM & JESCHKE
ENGINEERS
1023 N. CALVERT ST.
BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
DIRECTOR OF PUBLIC WORKS — DATE 8-30-77
CHIEF-BUREAU OF UTILITIES — DATE 8-28-81
CHIEF BUREAU OF ENGINEERING — DATE 8-29-77

CONTRACT NO. 2738-S-B
CAPITAL PROJECT NO. S-4-6067

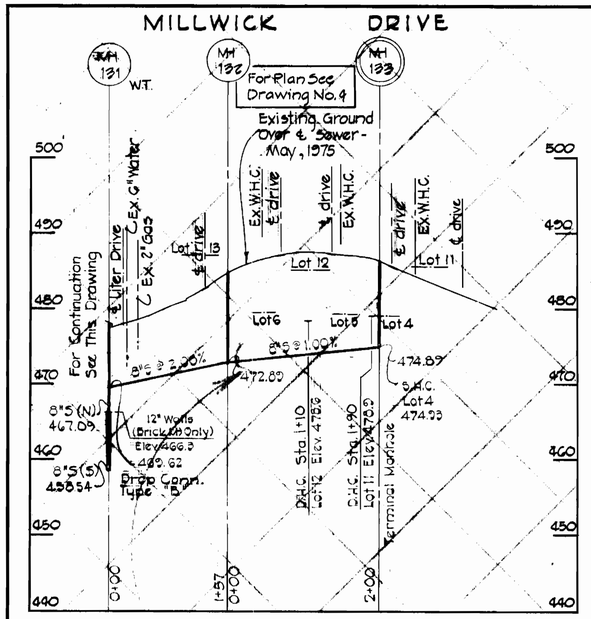
PLAN
CHAMBERLEA SEWER MAINS

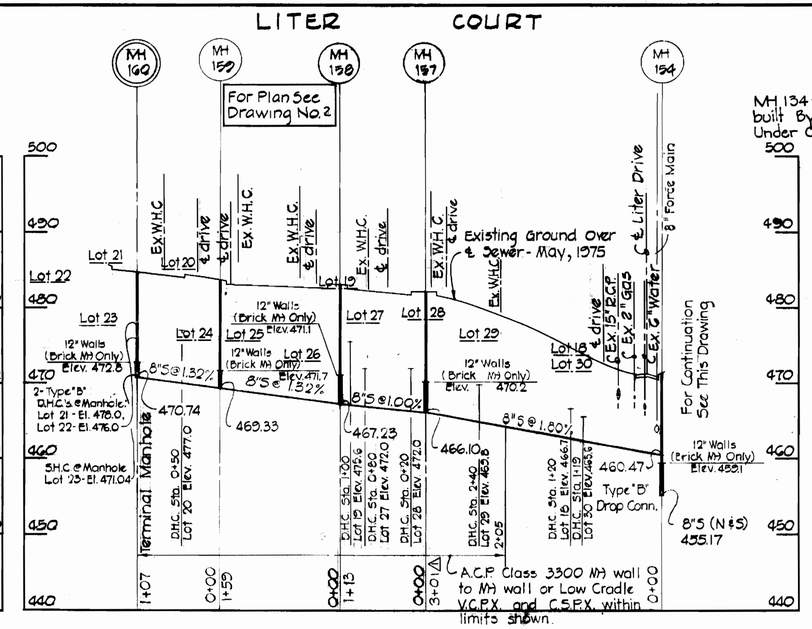
CHAMBERLEA SANITARY SEWERS
ELECTION DISTRICT NO. 2
HOWARD COUNTY, MARYLAND

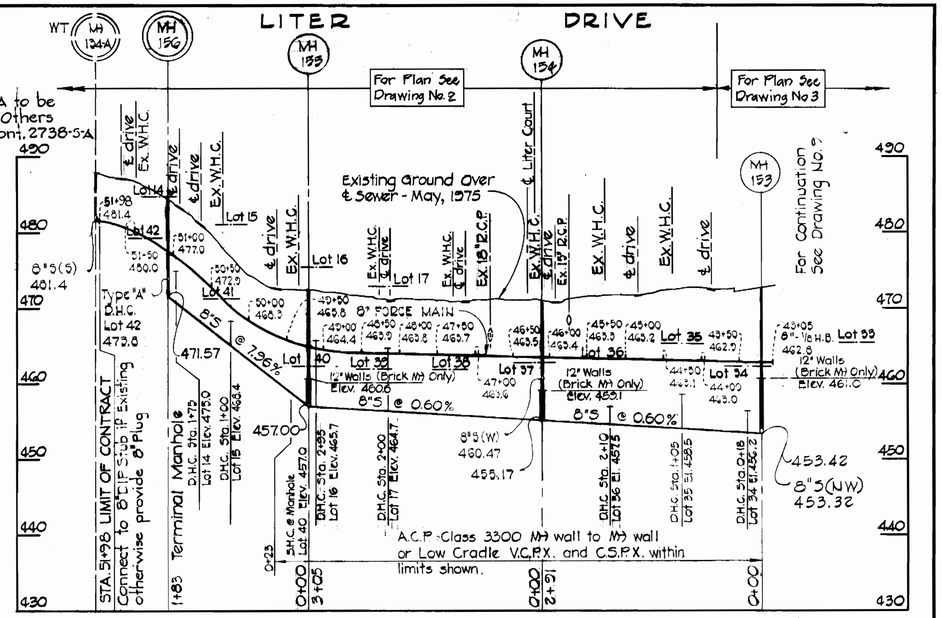
DRAWING NO. 7 OF 12
SCALE 1"=50'
Designed: REP
Drafted: ARZ
Checked: REP

W.O. 3394-11

K&E BALTIMORE 17 0453 PHOENIX MC 3343

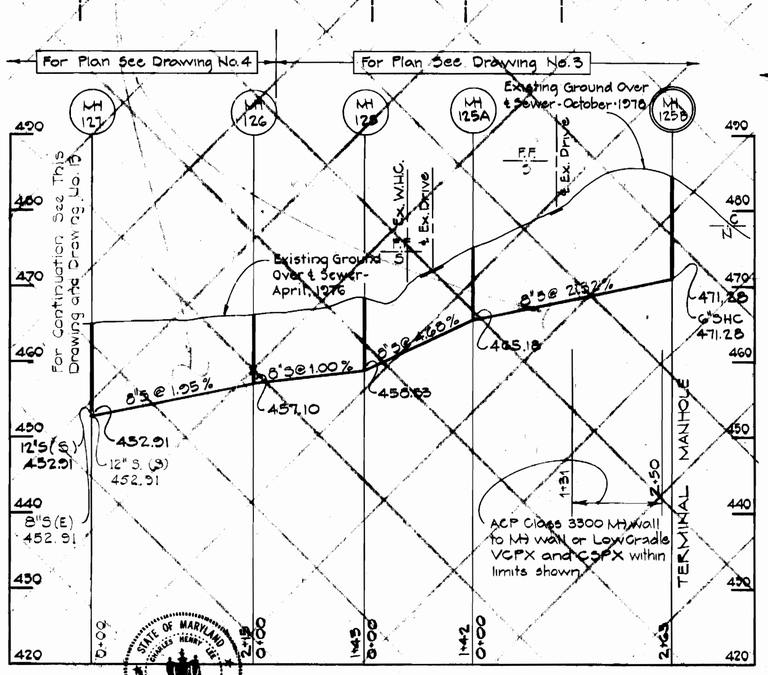


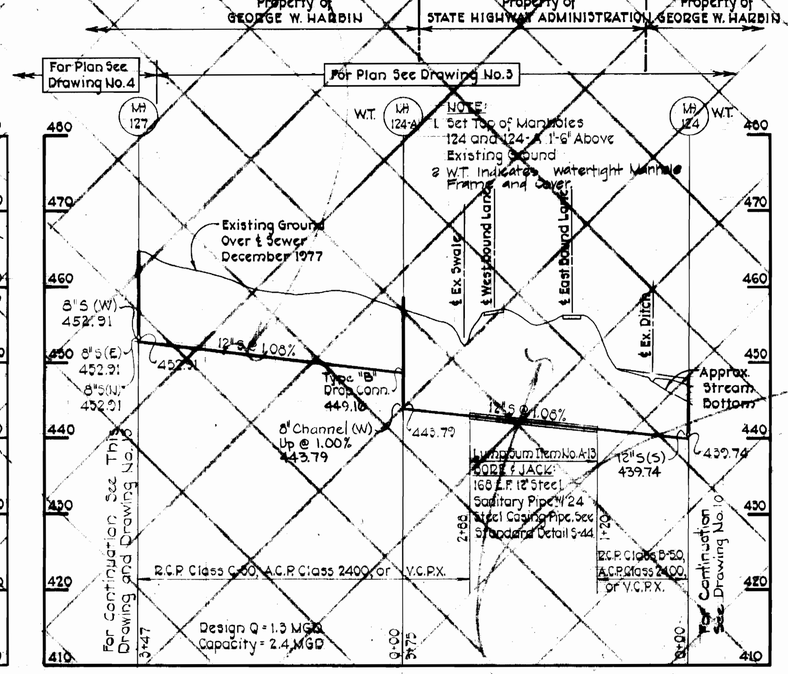


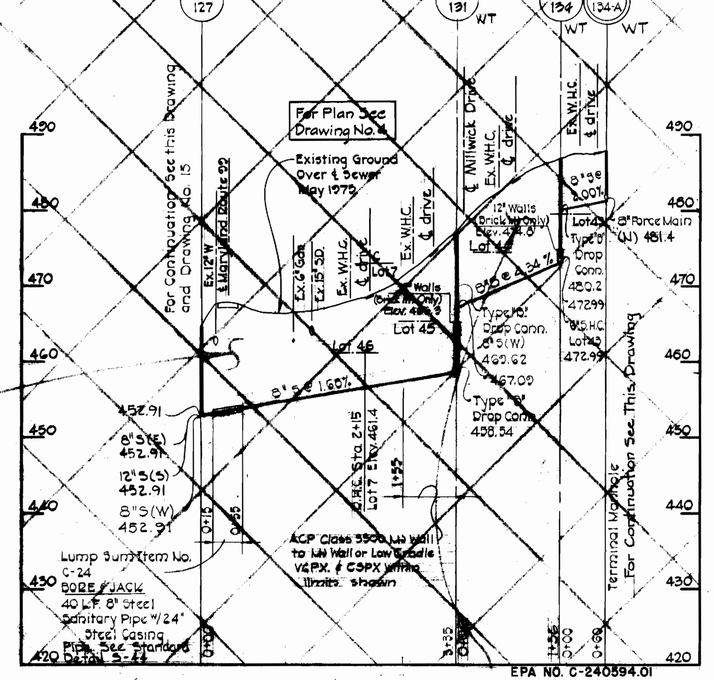


NOT INCLUDED IN THIS CONTRACT

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







NOT INCLUDED IN THIS CONTRACT
AS-BUILTS

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

EPA NO. C-240594.01
CONTRACT NO. 2738-S-B
CAPITAL PROJECT NO. S-4-6067
CHAMBERLEA SANITARY SEWERS
CHAMBERLEA SUBDIVISION

Rev.	Date	Remarks
1	1-85	As-Builts

PURDUM & JESCHKE
ENGINEERS
1023 N. CALVERT ST.
BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
DIRECTOR OF PUBLIC WORKS — DATE 8-26-77
CHIEF BUREAU OF UTILITIES — DATE 8-29-77
CHIEF BUREAU OF ENGINEERING — DATE 8-29-77

CONTRACT NO. 2738-S-B
CAPITAL PROJECT NO. S-4-6067

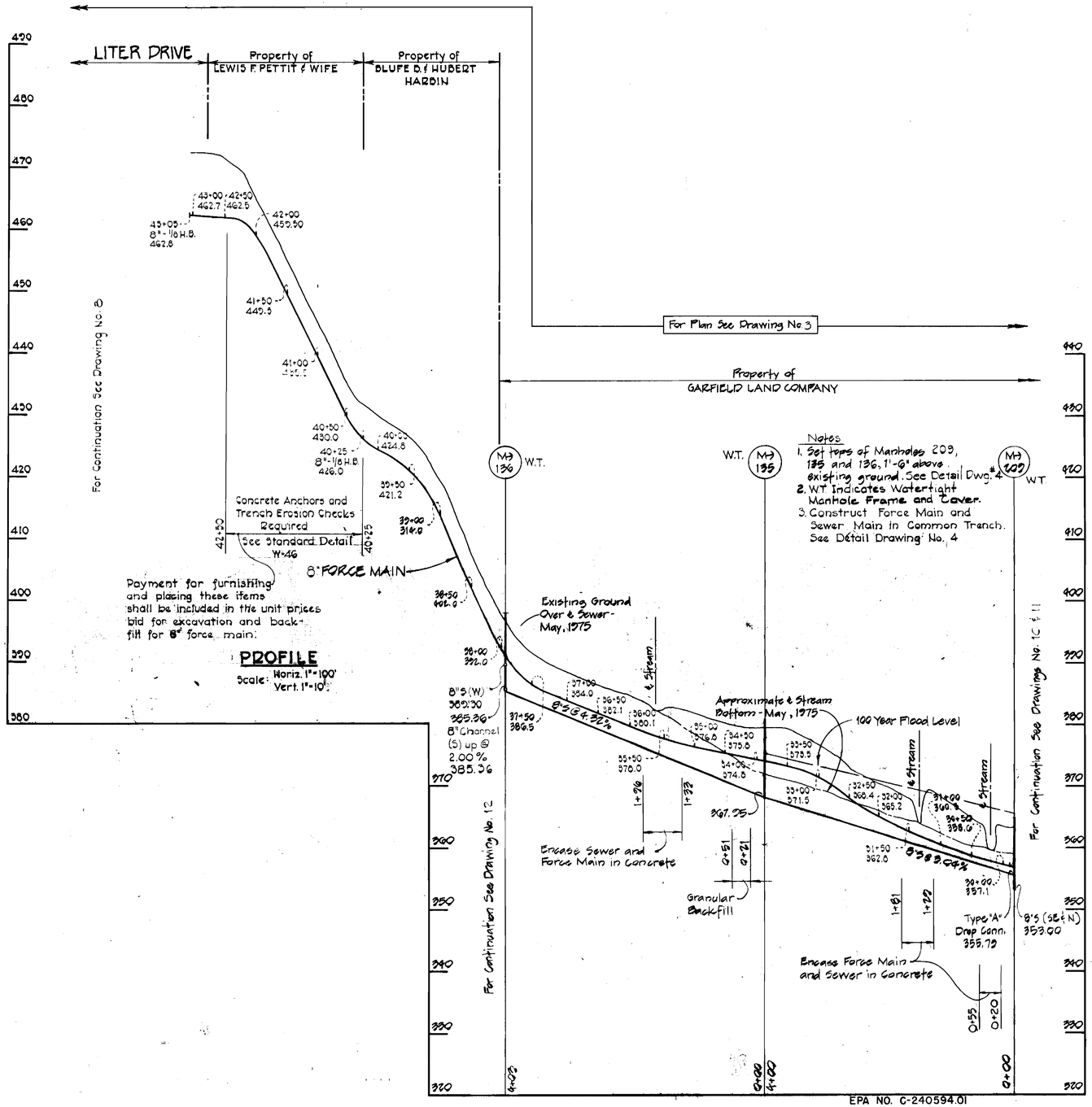
PROFILES
CHAMBERLEA SEWER MAINS

CHAMBERLEA SANITARY SEWERS
ELECTION DISTRICT NO. 2
HOWARD COUNTY, MARYLAND

DRAWING NO. 8 OF 12
SCALE As Shown
Designed: RDB
Drafted: AEL
Checked: REP

W.O. #3394-11

K&E BALTIMORE 17 0493 PHOENIX MC 3943-



EPA NO. C-240594.01
CONTRACT NO. 2738-S-B
CAPITAL PROJECT NO. S-4-6067
CHAMBERLEA SANITARY SEWERS
CHAMBERLEA SUBDIVISION

STATE OF MARYLAND — CHARLES HENRY LEE — REGISTERED PROFESSIONAL ENGINEER

Charles H. Lee

PURDUM & JESCHKE
ENGINEERS
1023 N. CALVERT ST.
BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DIRECTOR OF PUBLIC WORKS — DATE 8-30-77
CHIEF BUREAU OF UTILITIES — DATE 8-28-81
CHIEF BUREAU OF ENGINEERING — DATE 8-29-77

CONTRACT NO. 2738-S-B
CAPITAL PROJECT NO. S-4-6067

PROFILE & DETAILS CHAMBERLEA SEWER & FORCE MAINS

CHAMBERLEA SANITARY SEWERS
ELECTION DISTRICT NO. 2
HOWARD COUNTY, MARYLAND

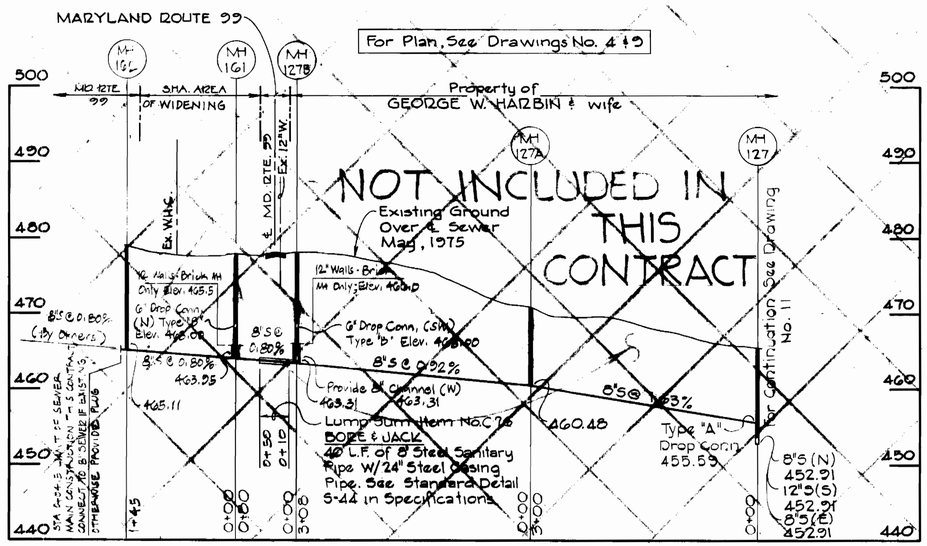
DRAWING NO. 9 OF 12

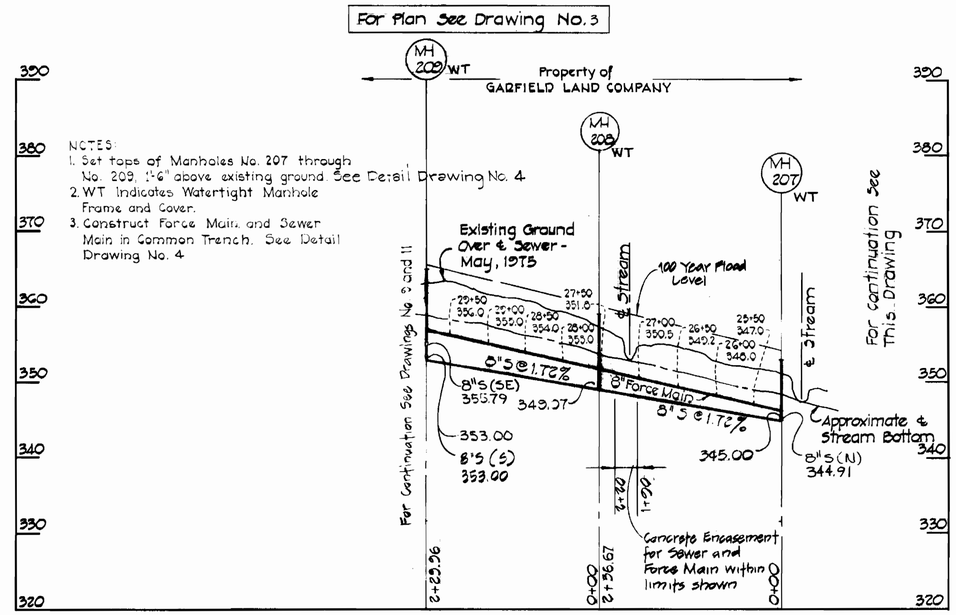
SCALE As Shown

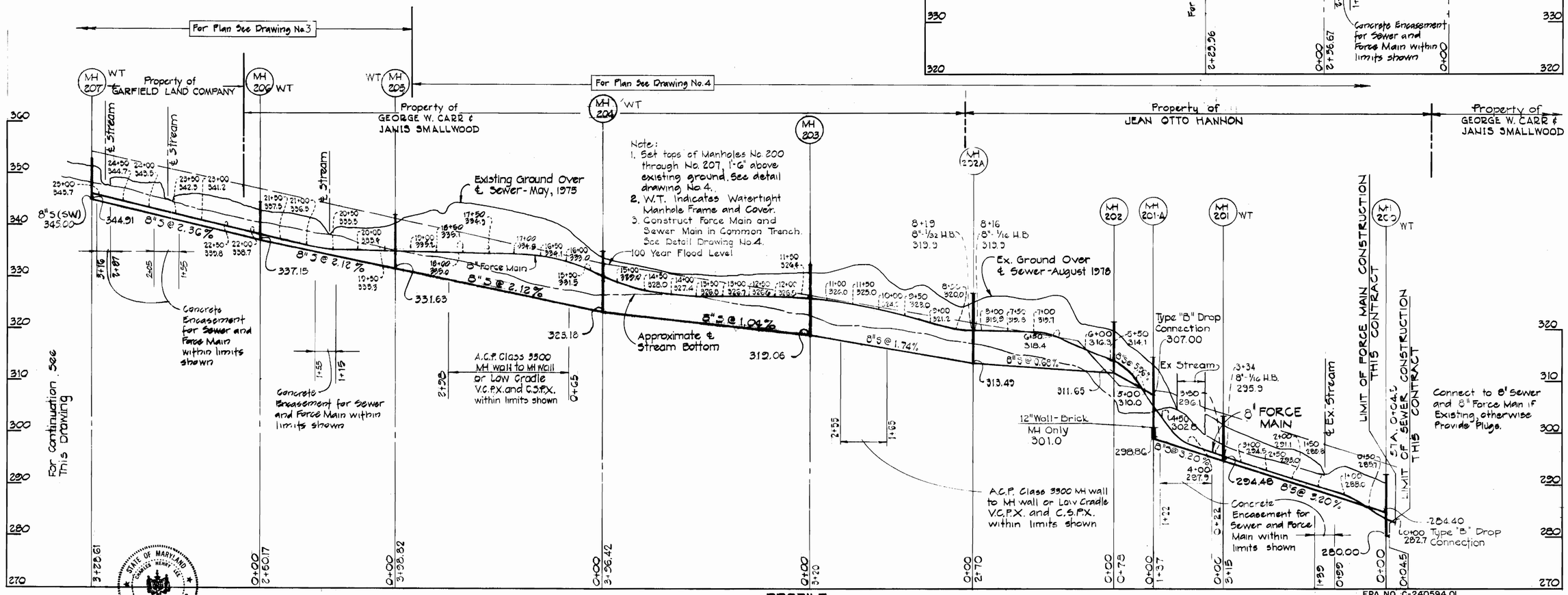
Designed: REP
Drafted: REC
Checked: REP

W.O. 3594-11

K&E BALTIMORE 17 0482 PHOENIX MC 3848







PROFILE
Horiz: 1"=100'
Vert: 1"=10'

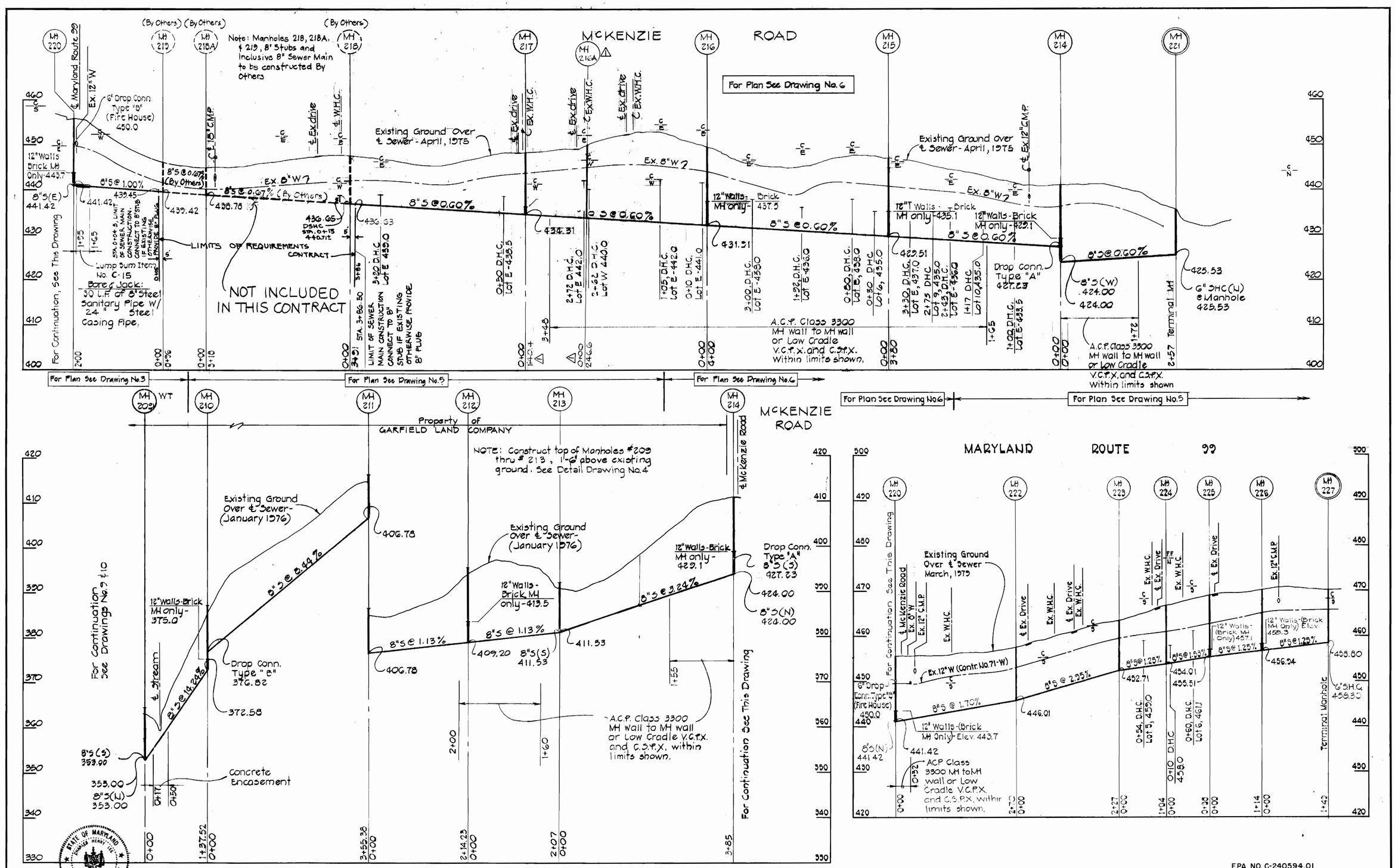
EPA NO. C-240594.01
CONTRACT NO. 2738-S-B
CAPITAL PROJECT S-4-6067
CHAMBERLEA SANITARY SEWERS
CHAMBERLEA SUBDIVISION

STATE OF MARYLAND CHARLES HENRY LEE No. 6138 REGISTERED PROFESSIONAL ENGINEER

PURDUM & JESCHKE ENGINEERS 1023 N. CALVERT ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND — CHIEF-BUREAU OF UTILITIES DATE 12-2-77; DIRECTOR OF PUBLIC WORKS DATE 8-30-77; CHIEF-BUREAU OF ENGINEERING DATE 8-29-77	CONTRACT NO. 2738-S-B; CAPITAL PROJECT NO. S-4-6067	PROFILES CHAMBERLEA SEWER & FORCE MAINS	CHAMBERLEA SANITARY SEWERS ELECTION DISTRICT NO. 2 HOWARD COUNTY, MARYLAND	DRAWING NO. 10 OF 12; SCALE As Shown; Designed: RDB; Drafted: AEL; Checked: REP

W.O.# 339400

K&E BALTIMORE 17 0483 PHOENIX MC 8543



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

Rev.	Date	Remarks
1	1-85	As-Builts

AS-BUILTS

EPA NO. C-240594.01
CONTRACT NO. 2738-S-B
CAPITAL PROJECT NO. S-4-6067
CHAMBERLEA SANITARY SEWERS
CHAMBERLEA SUBDIVISION

PURDUM & JESCHKE
ENGINEERS
1023 N. CALVERT ST.
BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
CHIEF - BUREAU OF UTILITIES — DATE 8-22-77
DIRECTOR OF PUBLIC WORKS — DATE 8-30-77
CHIEF-BUREAU OF ENGINEERING — DATE 8-29-77

CONTRACT NO. 2738-S-B
CAPITAL PROJECT NO. S-4-6067

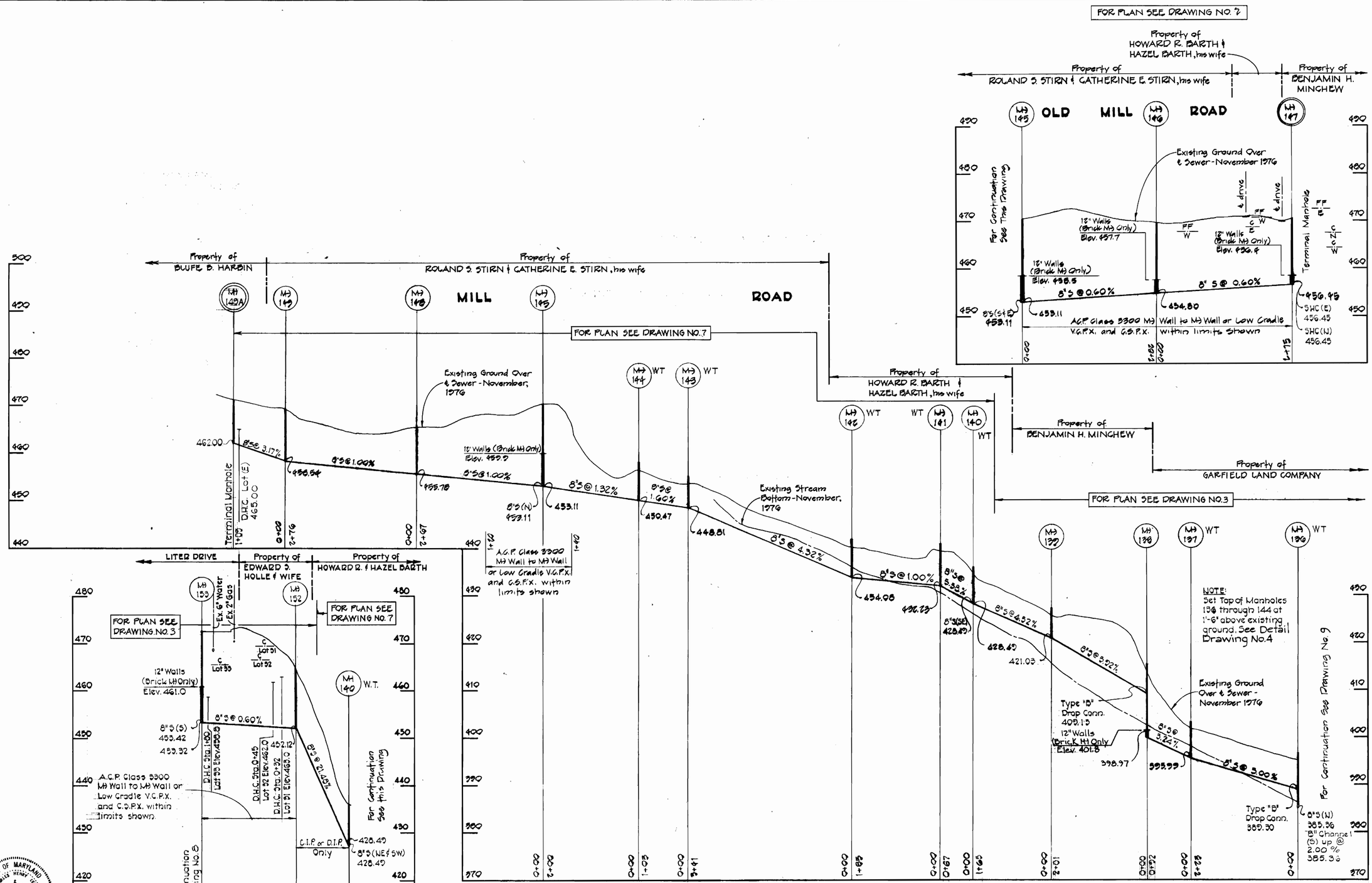
PROFILES
CHAMBERLEA SEWER MAINS

CHAMBERLEA SANITARY SEWERS
ELECTION DISTRICT NO. 2
HOWARD COUNTY, MARYLAND

DRAWING NO. 11 OF 12
SCALE: As Shown
Designed: RDB
Drafted: RDB
Checked: REP

K&E BALTIMORE 17 0453 PHOENIX MC 3343+

W.O.# 339400



Rev.	Date	Remarks
1	1-85	As-Builts

AS-BUILTS

EPA NO. C-240594.01
CONTRACT NO. 2738-S-B
CAPITAL PROJECT NO. S-4-6067
CHAMBERLEA SANITARY SEWERS
CHAMBERLEA SUBDIVISION

PURDUM & JESCHKE
ENGINEERS
1023 N. CALVERT ST.
BALTIMORE, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
CHIEF-BUREAU OF UTILITIES — DATE 8-28-77
DIRECTOR OF PUBLIC WORKS — DATE 8-30-77
CHIEF-BUREAU OF ENGINEERING — DATE 8-29-77

CONTRACT NO. X738-S-B
CAPITAL PROJECT NO. S-4-6067

PROFILES
CHAMBERLEA SEWER MAINS

CHAMBERLEA SANITARY SEWERS
ELECTION DISTRICT NO. 2
HOWARD COUNTY, MARYLAND

DRAWING NO. 12 OF 12
SCALE As Shown

Designed: TAF
Drafted: REC
Checked: REP

W.O. 3394-11

K&E BALTIMORE 17 0493 PHOENIX MC 3343+