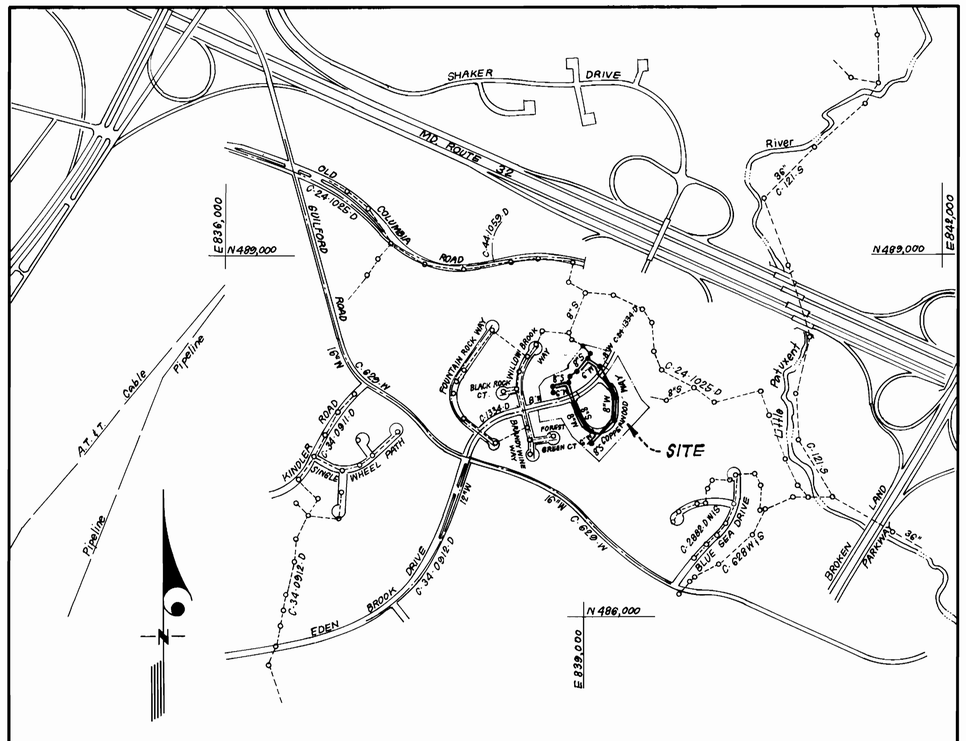
K&E 10 1333 5-83 A1463*

## SEWER HOUSE CONNECTION TABLE

| LOTS | Inv. @ PL | Min. C. | LOTS | Inv @ PL | Min. C. |
|---|---|---|---|---|---|
| 84/85 | 338.5 | 342.5 | 133/134 | 329.0 | 332.4 |
| 86/87 | 336.7 | 340.0 | 135/136 | 331.2 | 334.6 |
| 88/89 | 334.8 | 338.2 | 137/138 | 333.0 | 336.4 |
| 90/91 | 333.5 | 336.9 | 139/140 | 337.0 | 340.4 |
| 92/93 | 331.5 | 334.9 | 141/142 | 339.2 | 342.6 |
| 94/95 | 329.5 | 332.9 | 143/144 | 341.3 | 344.7 |
| 96 | 327.2 | 330.6 | 145/146 | 339.6 | 343.0 |
| 97 | 327.2 | 330.6 | 147/148 | 339.1 | 342.5 |
| 98/99 | 327.6 | 331.0 | 149/150 | 338.3 | 341.7 |
| 100/101 | 328.7 | 332.0 | 151/152 | 337.4 | 340.8 |
| 102/103 | 318.5 | 321.9 | 153/154 | 335.7 | 339.1 |
| 104/105 | 317.4 | 320.8 | 155/156 | 334.4 | 337.8 |
| 106/107 | 316.3 | 319.7 | 157/158 | 332.9 | 336.3 |
| 108/109 | 317.2 | 320.5 | 159/160 | 332.3 | 335.7 |
| 110 | 309.0 | 312.4 | 161/162 | 332.2 | 335.5 |
| 111/112 | 309.1 | 312.5 | 163/164 | 332.9 | 336.1 |
| 113/114 | 309.3 | 312.7 | 165/166 | 334.8 | 338.3 |
| 115 | 309.5 | 312.9 | 167/168 | 336.1 | 339.2 |
| 116/117 | 311.0 | 314.4 | 169 | 337.1 | 340.5 |
| 118/119 | 312.0 | 315.5 | 170/171 | 331.6 | 335.0 |
| 120 | 312.8 | 316.2 | 172/173 | 329.0 | 332.4 |
| 121 | 313.2 | 316.6 | 174 | 327.4 | 330.8 |
| 122/123 | 315.3 | 318.7 | 175/176 | 319.6 | 323.0 |
| 124/125 | 317.8 | 321.1 | 177/178 | 316.8 | 320.2 |
| 126 | 320.3 | 323.7 | 179 | 311.9 | 315.3 |
| 127/128 | 322.1 | 325.5 | 180/181 | 311.1 | 314.5 |
| 129/130 | 324.8 | 328.1 | 182/183 | 311.2 | 314.6 |
| 131/132 | 325.7 | 329.1 | | | |




WATER & SEWER CODE
COUNTY USE
WATER NO. E 16
SEWER NO. 5290000

VICINITY MAP

| | |
|---|---|
| TYPE OF BUILDING | Townhouses |
| Nº OF LOTS | 100 |
| Nº OF WHC's | 100 |
| Nº OF SHC's | 100 |
| DRAINAGE AREA | Little Patuxent |

## GENERAL NOTES

1. Approximate location 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 to the satisfaction of the Inspector, at the contractor's expense.
2. All horizontal controls are based on Maryland State Coordinates.
3. All vertical controls are based on U.S.G.S. Datum.
4. All pipe elevations shown are invert elevations.
5. Clear all utilities by a minimum of 6" clear all poles by 2'-0" minimum or tunnel as required. Any cost incurred to the contractor for tunneling or bracing at poles shall be included in unit prices bid for excavation and backfill.
6. For details not shown on the drawings use Howard County Standard Details.
7. For materials and construction methods use Howard County Standard Specifications, & Ho. Co. Design manual, Volume IV. The Contractor shall have a copy of Volume IV on the Job.
8. Contractor shall locate existing utilities a minimum of two (2) weeks in advance of construction operations in the vicinity of proposed utilities at his own expense.
9. Contractor shall notify the following utilities or agencies at least five (5) working days before starting work shown on these plans.

   State Highway Administration - 531-5533
   Baltimore Gas & Electric Company - Contractor Services 561-2585.

   Baltimore Gas & Electric Company- Underground Damage Control 234-5621
   Baltimore Gas & Electric Company - Trouble Shooting - 298-9013

   "Miss Utility" - 1-559-0100
   Chesapeake & Potomac (C & P) Telephone Company - 725-9976

   Colonial Pipeline Company - 795-1300
   Bureau of Utilities Howard County - 992-2366

10. Trees are to be protected from damage to maximum extent. Trees located within the construction strip are not to be removed or damaged by the contractor.
11. Contractor shall remove trees, stumps, and roots along line of excavation as directed by the Inspector. Payment for such removal shall be included in the unit price bid for excavation and backfill.
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 water mains to be D.I.P. unless otherwise noted.
14. Top of all water mains to have a minimum of 3-1/2' cover unless otherwise noted.
15. Valves adjacent to tees shall be strapped to tees.
16. Block all fittings with concrete.
17. Bury line elevations on fire hydrants shall be set to the elevations shown on the drawings. All fire hydrants shall be strapped and buttressed with concrete in accordance with standard details. Soil around the fire hydrant to be compacted in accordance with Sections 1003 & 1008 of the Standard Specifications.
18. All water house connections shall be for an inside meter setting.
19. The contractor shall not operate any water main valves on the existing system.
20. All sewer mains shall be C.S.P.X., V.C.P.X., P.V.C., or A.C.P. Class 2400 unless otherwise noted.
21. The contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole wall.
22. All manholes shall be 4'-0" inside diameter, unless otherwise noted.
23. Water main and water house connection lines must have a minimum of one foot separation from the sanitary sewer and sewer house connections as they cross. Except at crossings, water and sewer lines shall have a minimum horizontal separation of 10'.
24. For all Copper Water House Connections, utilize flared type fittings only.

# CONTRACT NO. 24-1335-D
# KINGS MEADE
# SECTION TWO
# HOWARD COUNTY, MARYLAND
## DEPARTMENT OF PUBLIC WORKS

Sediment Control Measures will be implemented in accordance with Article No. 15 of the Specifications & with Road Construction Plan F-86-195; Drawing , Sediment & Erosion Control.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.

9-3-86
SIGNATURE DATE

U.S. SOIL CONSERVATION SERVICE

This Development Plan is approved for Soil Erosion and Sediment Control by the Howard Soil Conservation District.

APPROVED: 9/3/86
Howard S.C.D. DATE

| QUANTITIES | | | |
|---|---|---|---|
| ITEM | EST'D | AS BUILT | MATERIAL / SUPPLIER |
| 8"W | 972 LF | 972 LF | CL-52 D.I.P. GRIFFIN |
| 6"W | 596 LF | 596 LF | " " |
| 8"S | 2,070 LF | 2070 LF | SDR-35 P.V.C. J.M. MANUFACTURING CORP. |
| 6"SHC | 1,737 LF | 1,737 LF | " " |
| 1"WHC | 1,125 LF | 1125 LF | TYPE "K" COPPER TUBING HALSTED METALS |
| 3/4"WHC | 1,150 LF | 1150 LF | " " |
| FH | 2 EA | 2 EA | M & H VALVE CO. |
| 4'0" DIA. MH | 15 EA | 15 EA | PRECAST CONCRETE ATLANTIC PRECAST CONCRETE CORP. |
| 6"V. (Excl. FH) | 1 EA | 1 EA | M & H VALVE CO. |
| 8"DC TYPE "B" | 1 EA | 1 EA | SDR-35 P.V.C. PIPE - J.M. MAN. CORP. FITTING - HARRINGTON CORP. |
| 1½" DRAIN | 1 EA. | 1 EA | |

AS-BUILT G. WALLACE 3-31-87

SECTION TWO
KINGS MEADE
LOTS 84 THRU 186

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

9-9-86 DIRECTOR OF PUBLIC WORKS DATE
CHIEF, BUREAU OF ENGINEERING DATE
9-8-86 CHIEF, BUREAU OF UTILITIES DATE
CHIEF, LAND DEVELOPMENT DIV. DATE

CFS CLARK - FINEFROCK & SACKETT
ENGINEERS · PLANNERS · SURVEYORS
11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904
(301) 593-3400

STATE OF MARYLAND — CLARKSON CLARK — No. 7139 — REGISTERED PROFESSIONAL ENGINEER — 5-20-86

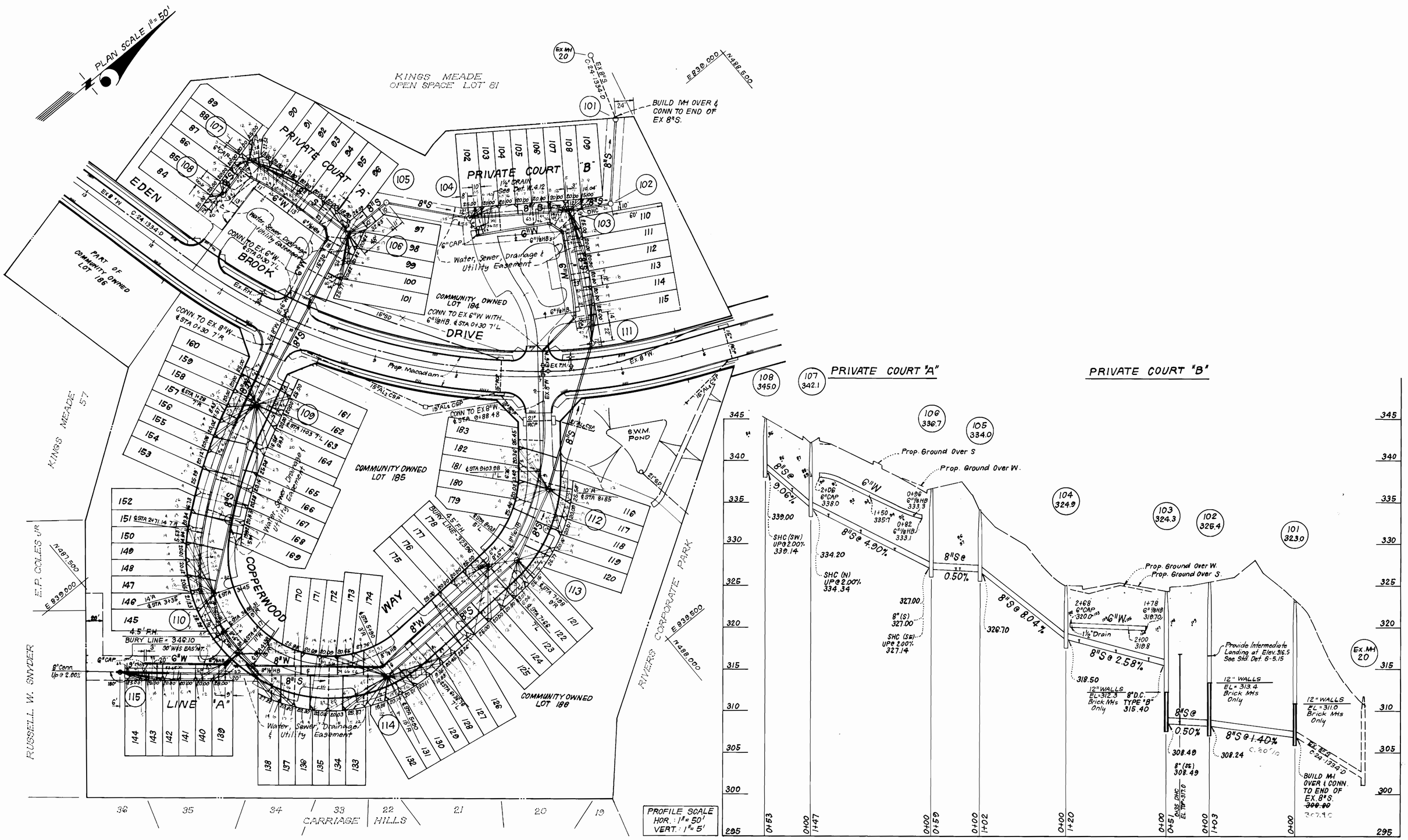
| DES: | | | | | |
|---|---|---|---|---|---|
| DRN: | | | | | |
| CHK: | | | | | |
| DATE: | BY | NO. | REVISION | DATE | 600' SCALE MAP NO. _____ BLOCK NO. _____ |

TITLE SHEET

KINGS MEADE
SECTION TWO
6TH ELECTION DISTRICT
CONTRACT NO. 24-1335-D

SCALE 1" = 600'
SHEET 1 OF 3

AS-BUILT 3/31/87




| DEPARTMENT OF PUBLIC WORKS<br>HOWARD COUNTY, MARYLAND | | | |
|---|---|---|---|
| DIRECTOR OF PUBLIC WORKS — DATE 9-9-86 | CHIEF, BUREAU OF ENGINEERING — DATE 9-9-86 | DES: | PLAN & PROFILES OF WATER & SEWER MAINS |
| CHIEF, BUREAU OF UTILITIES — DATE 9-8-86 | CHIEF, LAND DEVELOPMENT DIV. — DATE 9-9-86 | DRN: | |
| CLARK · FINEFROCK & SACKETT<br>ENGINEERS · PLANNERS · SURVEYORS<br>11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904<br>(301) 593-3400 | | CHK: | |
| | | DATE: | |

| BY | NO. | REVISION | DATE |
|---|---|---|---|
| | | | |

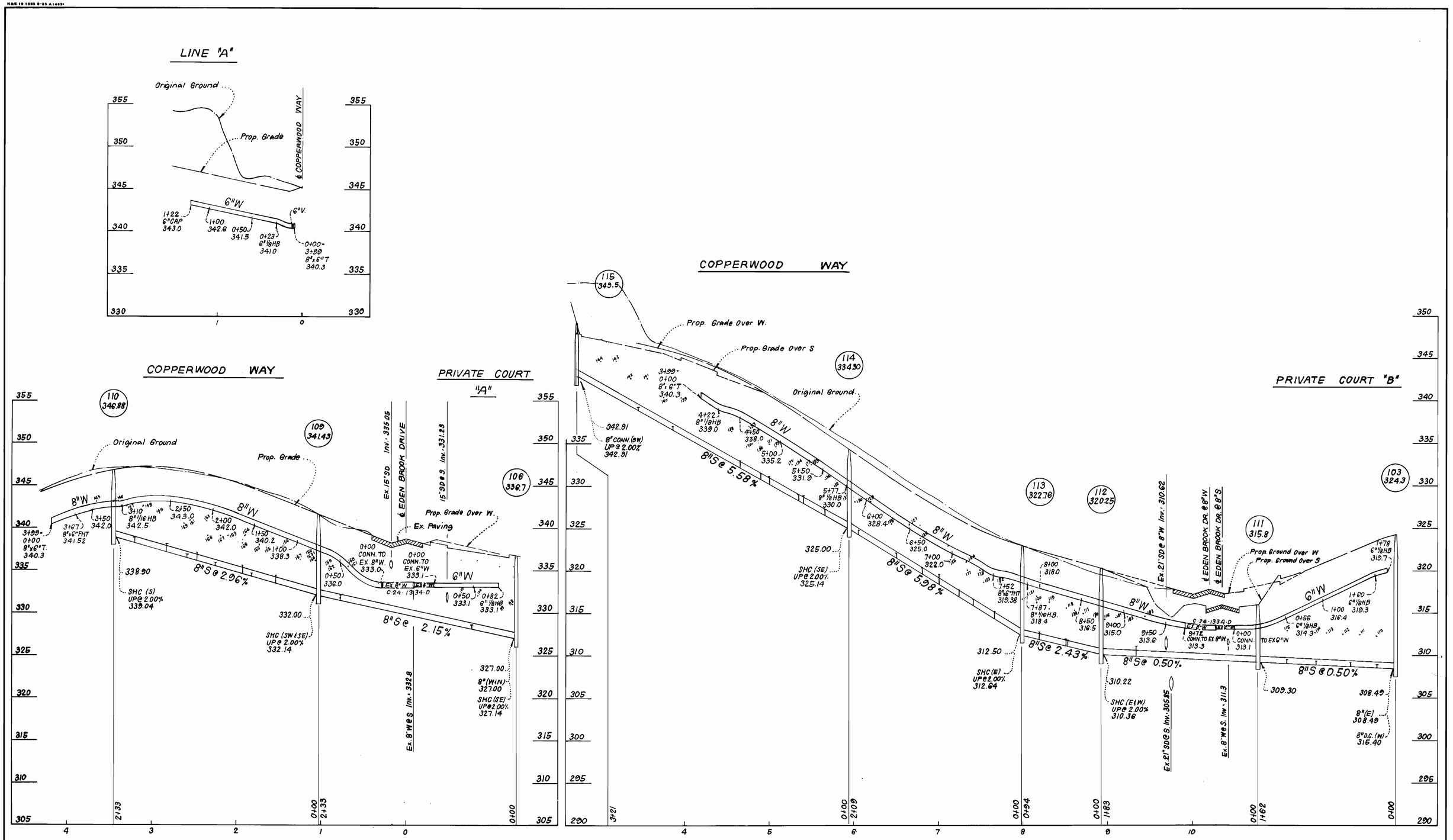
600' SCALE MAP NO. _____ BLOCK NO. _____

KINGS MEADE
SECTION TWO
6TH ELECTION DISTRICT
CONTRACT NO. 24-1335-D

SCALE AS SHOWN

SHEET 2 OF 3

3/3/87




DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DIRECTOR OF PUBLIC WORKS — DATE 9-9-86
CHIEF, BUREAU OF ENGINEERING — DATE 9-9-86
CHIEF, BUREAU OF UTILITIES — DATE 9-9-86
CHIEF, LAND DEVELOPMENT DIV. — DATE 9-9-86

CFS CLARK · FINEFROCK & SACKETT
ENGINEERS · PLANNERS · SURVEYORS
11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904
(301) 593-3400

STATE OF MARYLAND — REGISTERED PROFESSIONAL ENGINEER — No. 11390 — 52006

| DES: | | | | | |
|---|---|---|---|---|---|
| DRN: | | | | | |
| CHK: | | | | | |
| DATE: | BY | NO. | REVISION | DATE | |

PROFILES OF
WATER & SEWER MAINS

600' SCALE MAP NO. _____ BLOCK NO. _____

KINGS MEADE
SECTION TWO
6TH ELECTION DISTRICT
CONTRACT NO. 24-1335-D

SCALE
HORZ: 1"=50'
VERT: 1"=5'

SHEET 3 OF 3

AS BUILT 3/3/87