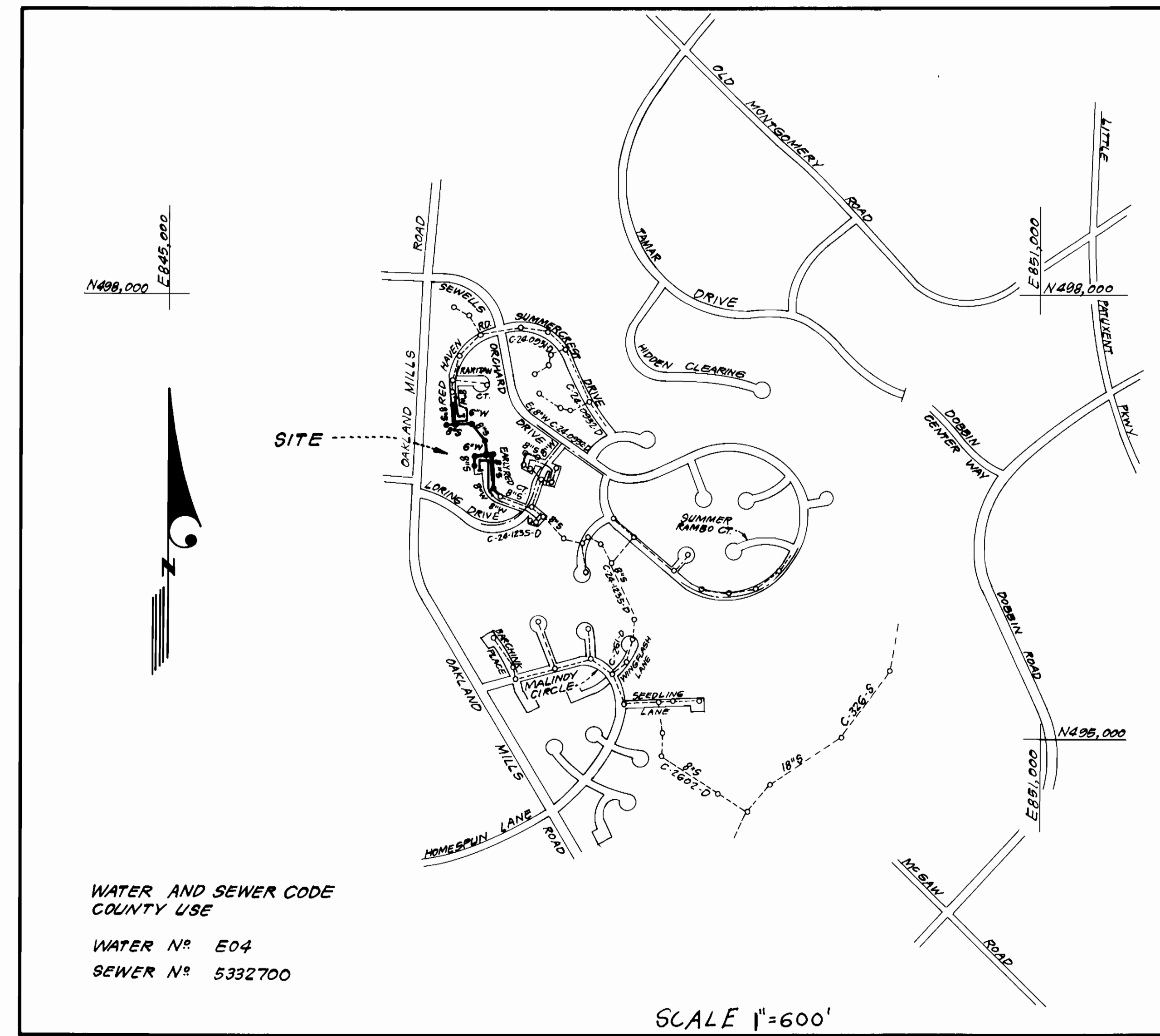


| SHC ELEVATIONS | | |
|----------------|------------|-------------|
| LOT | INV. @ 16' | MIN. CELLAR |
| 155/156 | 373.10 | 376.2 |
| 157/158 | 373.18 | 376.3 |
| 159/160 | 373.52 | 376.6 |
| 161/162 | 373.72 | 376.8 |
| 163/164 | 375.74 | 378.8 |
| 165/166 | 375.33 | 378.4 |
| 167/168 | 374.84 | 377.9 |
| 169/170 | 375.29 | 378.4 |
| 171/172 | 374.60 | 377.7 |
| 173/174 | 374.29 | 377.4 |
| 175/176 | 373.76 | 376.9 |
| 177/178 | 374.16 | 377.3 |
| 179/180 | 373.70 | 376.8 |
| 181/182 | 373.50 | 376.6 |
| 183/184 | 373.20 | 376.3 |
| 185/186 | 373.00 | 376.1 |
| 187 | 381.44 | 384.5 |
| 188 | 380.81 | 383.9 |
| 189/190 | 379.94 | 383.0 |
| 191/192 | 378.15 | 381.3 |
| 193/194 | 376.96 | 380.1 |
| 195/196 | 378.48 | 381.6 |
| 197/198 | 377.01 | 380.1 |
| 199/200 | 375.65 | 378.8 |
| 201/202 | 375.45 | 378.6 |
| 203/204 | 374.98 | 378.1 |
| 205/206 | 375.31 | 378.4 |

| | |
|------------------|-----------------|
| TYPE OF BUILDING | Townhouses |
| NUMBER OF UNITS | 52 |
| NUMBER OF SHC's | 52 |
| NUMBER OF WHC's | 52 |
| DRAINAGE AREA | Little Patuxent |

GENERAL NOTES

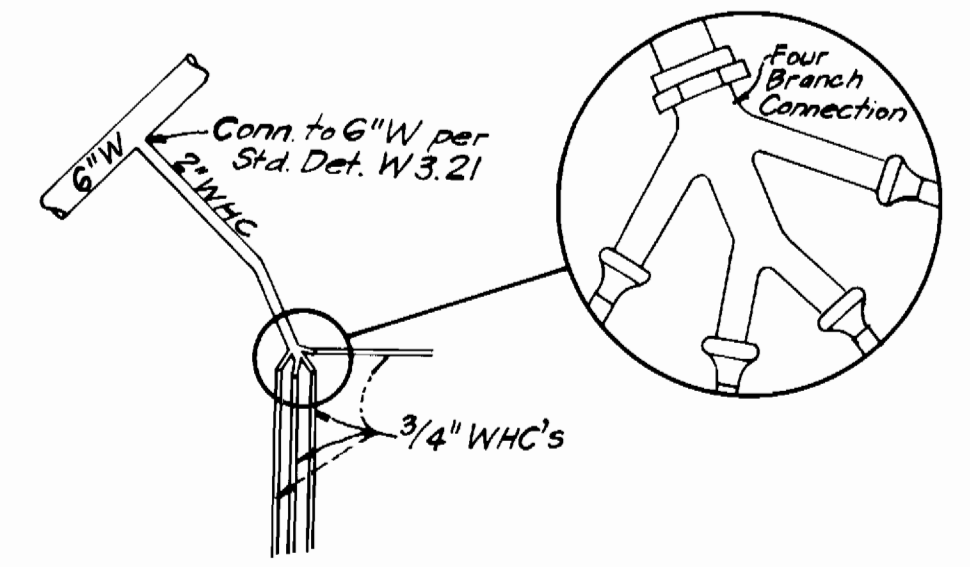
- Approximate location of existing mains are shown. The contractor shall take all necessary precautions to protect existing mains and services and maintain uninterrupted supply. Any damage incurred shall be repaired immediately to the satisfaction of the Inspector, at the contractor's expense.
- All 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. Any cost incurred to the contractor for tunneling or bracing at poles shall be included in unit prices bid for excavation and backfill.
- For details not shown on the drawings use Howard County Standard Details.
- For materials and construction methods use Howard County Standard Specifications, & Co. Design Manual, Volume 22. The contractor shall have a copy of Volume III of the 1955 Edition Manual, Volume 22, on the job.
- 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.
- 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 - 795-1390
 Bureau of Utilities Howard County - 992-2366
- 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.
- 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.
- 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.
- All water mains to be D.I.P. unless otherwise noted.
- Top of all water mains to have a minimum of 3'-1/2' cover unless otherwise noted.
- Valves adjacent to tees shall be strapped to tees.
- Block all fittings with concrete.
- 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.
- All water house connections shall be for an inside meter setting.
- The contractor shall not operate any water main valves on the existing system.
- 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.
- The contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole wall.
- All manholes shall be 4'-0" inside diameter, unless otherwise noted.
- 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'.
- For all Copper Water House Connections, utilize flared type fittings only.
- Wall thicknesses shown in profile pertain to brick manholes only.



WATER AND SEWER CODE COUNTY USE
 WATER N° E04
 SEWER N° 5332700

VICINITY MAP

SCALE 1"=600'



4-WAY WHC DETAIL
 (Lots 168-171, 176-179, 195-198 & 203-206)
 NO SCALE

CONTRACT NO. 24-1398-D

SEWELLS ORCHARD
 SECTION 3 AREA 2

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 86-24, Drawing 3, Sediment & Erosion Control.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.
 Signature: [Signature] DATE: 10-1-85
 U.S. SOIL CONSERVATION SERVICE

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

APPROVED:
 Signature: [Signature] DATE: 10-1-85
 HOWARD S.C.D.

| QUANTITIES | | | |
|------------------|-----------|-----------|---------------------------------|
| ITEM | ESTM'D | AS-BUILT | MATERIAL/SUPPLIER |
| 8" S | 1125 L.F. | 1098 L.F. | NATIONAL PIPE CO. SBR 35 PVC |
| 6" W | 367 L.F. | 367 L.F. | GRIFFIN, CLASS 52 |
| 8" W | 327 L.F. | 327 L.F. | GRIFFIN PIPE PRODUCTS, CLASS 52 |
| 4" MH | 10 EA. | 10 EA. | ATLANTIC PRECAST CONCRETE |
| F.H. | 3 EA. | 3 EA. | MUNICIPAL & CONTRACTOR, TYPE K |
| 6" V (excl. FHV) | 1 EA. | 1 EA. | MUNICIPAL & CONTRACTOR, TYPE K |
| 1/2" Drain | 2 EA. | 2 EA. | MUNICIPAL & CONTRACTOR, TYPE K |
| 6" SHC | 787 L.F. | 753 L.F. | NATIONAL PIPE CO. SBR 35-PVC |
| 2" WHC | 140 L.F. | 140 L.F. | MUNICIPAL & CONTRACTOR, TYPE K |
| 1" WHC | 198 L.F. | 198 L.F. | " " TYPE K |
| 3/4" WHC | 1152 L.F. | 1136 L.F. | " " TYPE K |

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

Signature: [Signature] DATE: 10-8-85
 DIRECTOR OF PUBLIC WORKS

Signature: [Signature] DATE: 10-9-85
 CHIEF, BUREAU OF UTILITIES

Signature: [Signature] DATE: 10-2-85
 CHIEF, LAND DEVELOPMENT DIV.

CLARK, FINEPROCK & SACKETT
 ENGINEERS - PLANNERS - SURVEYORS

11315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904
 (301) 593-3400

Signature: [Signature] DATE: 9-24-85

| | | | |
|-------------|---------|----------|------|
| DES: C.K.G. | | | |
| DRN: V.L.A. | | | |
| CHK: C.K.G. | | | |
| DATE: 8/85 | BY: NO. | REVISION | DATE |

TITLE SHEET

600' SCALE MAP NO. 36 BLOCK NO.

SEWELLS ORCHARD
 SECTION 3 AREA 2, LOTS 155 - 211
 6TH ELECTION DISTRICT
 CONTRACT NO. 24-1398-D

SCALE 1"=600'
 SHEET 1 OF 2

