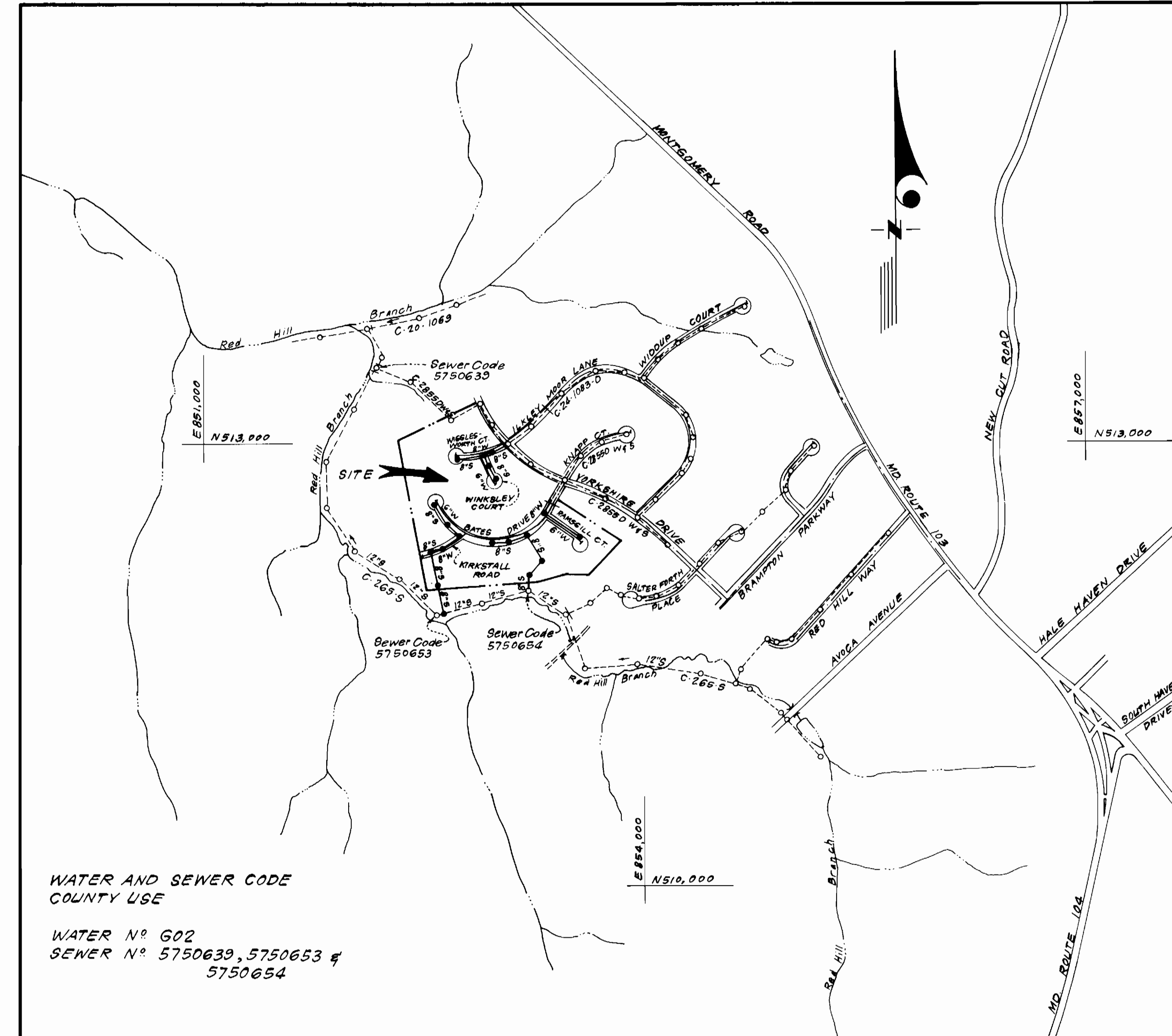


| | |
|------------------|-----------------|
| TYPE OF BUILDING | Single Family |
| NUMBER OF UNITS | 51 |
| NUMBER OF SHC'S | 50 |
| NUMBER OF WHC'S | 52 |
| DRAINAGE AREA | Little Patuxent |



WATER AND SEWER CODE
COUNTY USE

WATER N° 602
SEWER N° 5750639, 5750653 &
5750654

VICINITY MAP

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 II. The contractor shall have a copy of volume II 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 - 298-2013
 - "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
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 Section 10.03 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.
25. Manhole wall thicknesses shown on profiles pertain to brick manholes only.

CONTRACT NO. 24-1282-D
BRAMPTON HILLS
SECTION 3 AREA I
HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS

| QUANTITIES | | | |
|---------------------|---------|----------|-----------------------------------|
| ITEM | ESTM'D | AS-BUILT | MATERIAL/SUPPLIER |
| 8" W | 1311 LF | 1311 LF | D.I.P./U.S. PIPE |
| 6" W | 968 LF | 968 LF | D.I.P./U.S. PIPE |
| 8" S | 2614 LF | 2614 LF | P.V.C. SDR 35/HUNTER ENG. PLASTIC |
| 4" MH | 20 EA. | 20 EA. | PRECAST/ATLANTIC PRECAST |
| 6" SHC | 1336 LF | 1336 LF | P.V.C. SDR 35/HUNTER ENG. PLASTIC |
| 1" WHC | 495 LF | 501 LF | "K" COPPER/CAMBRIDGE LEE |
| 3/4" WHC | 773 LF | 773 LF | " " " " |
| F.H. | 3 EA. | 3 EA. | F.H. 921/M.H. VALVE |
| 6" V (excl. F.H.V.) | 4 EA. | 4 EA. | PISTON PIN VALVE / M.H. VALVE CO. |
| 8" V | 1 EA. | 1 EA. | " " " " |
| 1 1/2" Drain | 2 EA. | 2 EA. | "K" COPPER/CAMBRIDGE LEE |
| 8" x 8" T.S. #V | 1 EA. | 1 EA. | M/J TAPPING SLEEVE/CLOW |

Sediment Control Measures will be implemented in accordance with Article No. 15 of the Specifications, with Road Construction Plan F.85-52 ; Drawings 5 & 6 Sediment & Erosion Control and with these drawings.

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT.
Signature: *James M. Sel...* DATE: 12-20-84
U.S. SOIL CONSERVATION SERVICE

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

APPROVED:
Signature: *Stephen L. Kelly* DATE: 12-20-84
Howard S.C.D.

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Robert W. Wood 12-18-84
DIRECTOR OF PUBLIC WORKS DATE

Robert W. Wood
CHIEF, BUREAU OF UTILITIES DATE

William J. Kelly
CHIEF, BUREAU OF ENGINEERING DATE

William J. Kelly
CHIEF, LAND DEVELOPMENT DIV. DATE

CFE CLARK, FINEFROCK & SACKETT
ENGINEERS - PLANNERS - SURVEYORS

1315 LOCKWOOD DRIVE SILVER SPRING, MARYLAND 20904
(301) 593-3400



| | | | |
|---------------|---------|----------|------|
| DES: C.K.G. | | | |
| DRN: V.L.B. | | | |
| CHK: C.K.G. | | | |
| DATE: 10/1984 | BY: NO. | REVISION | DATE |

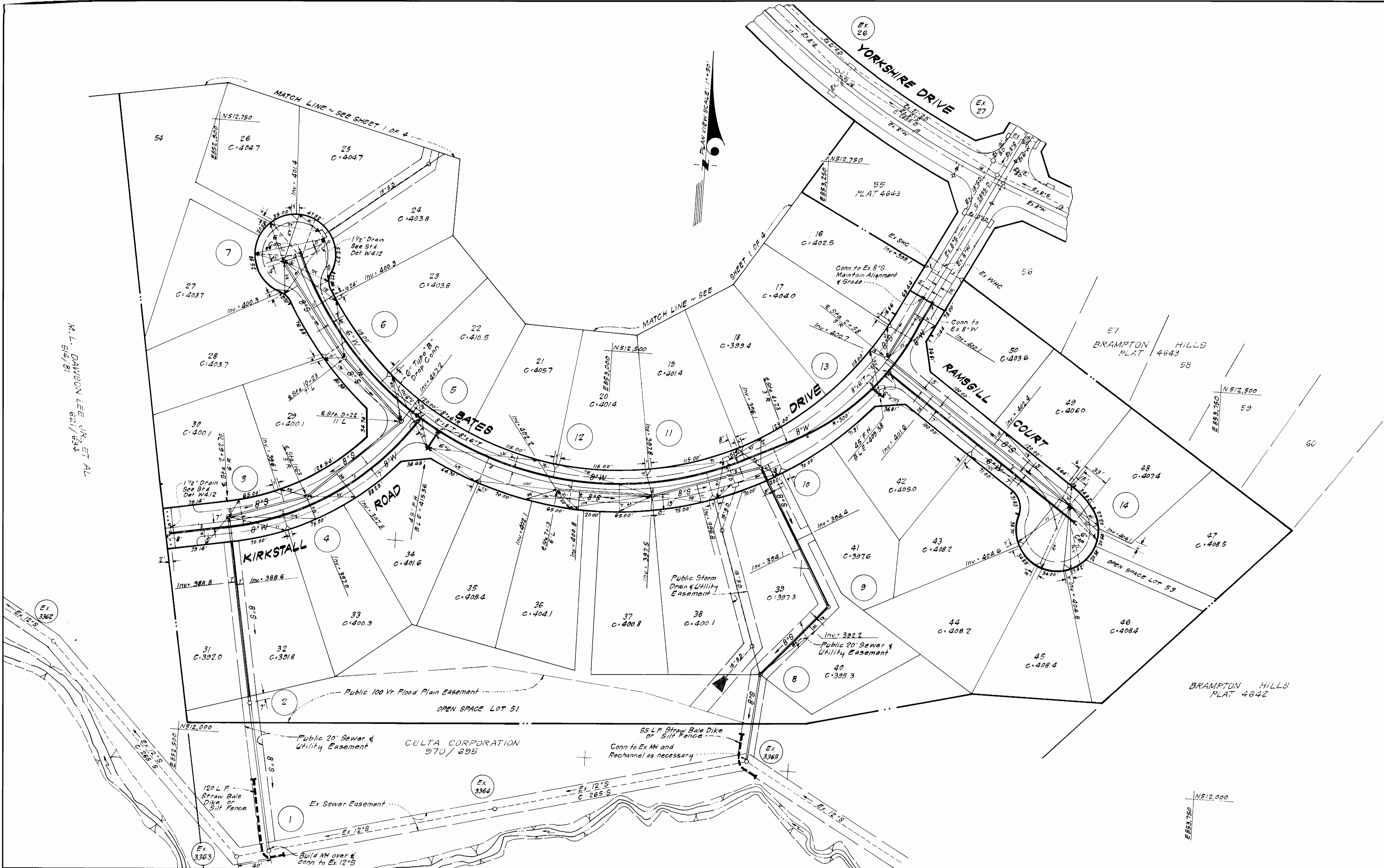
TITLE SHEET

600' SCALE MAP NO. 32 & 31 BLOCK NO.

BRAMPTON HILLS
SECTION 3 AREA I
2ND ELECTION DISTRICT
CONTRACT NO. 24-1282-D

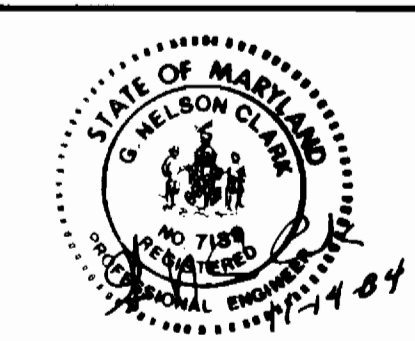
SCALE
1" = 600'

SHEET
1 OF 4



DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 11-18-84
 Director of Public Works
 Chief, Bureau of Engineering
 Chief, Bureau of Utilities

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



| | | | | |
|---------------|-------|-----|----------------------|---------|
| DES: C K G | V L B | 1 | Revised Lot numbers. | 4/11/85 |
| DRN: V L B | | | | |
| CHK: C K G | | | | |
| DATE: 10/1984 | BY | NO. | REVISION | DATE |

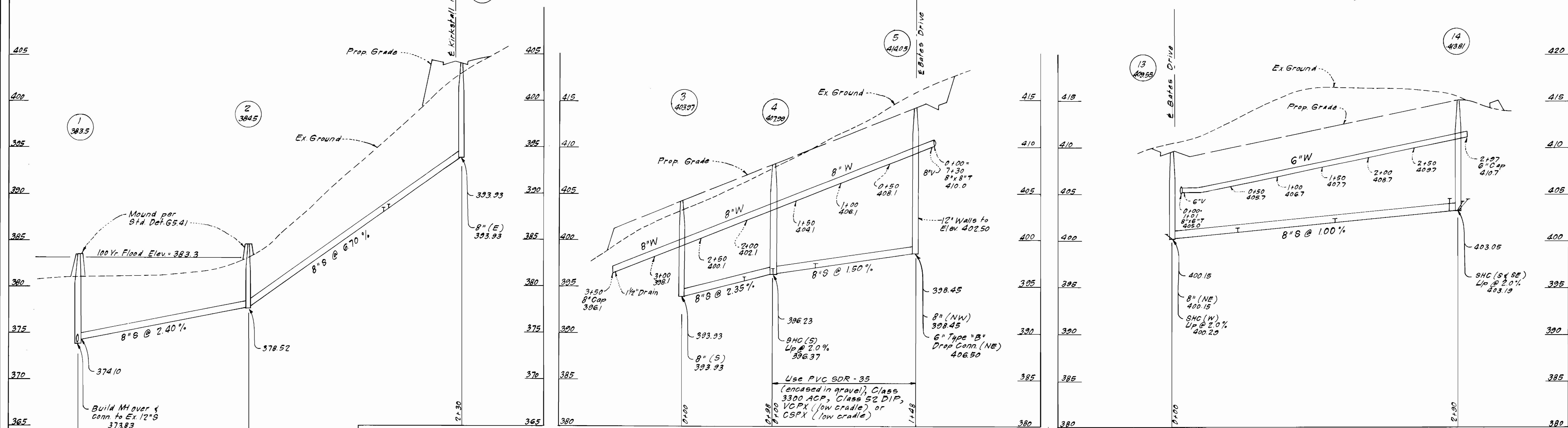
PLAN & PROFILES OF
 WATER & SEWER MAINS
 600' SCALE MAP NO. 32 & 31 BLOCK NO.

BRAMPTON HILLS
 SECTION 3 AREA 1
 2ND ELECTION DISTRICT
 CONTRACT NO. 24-1282-D
 SHEET 3 OF 4

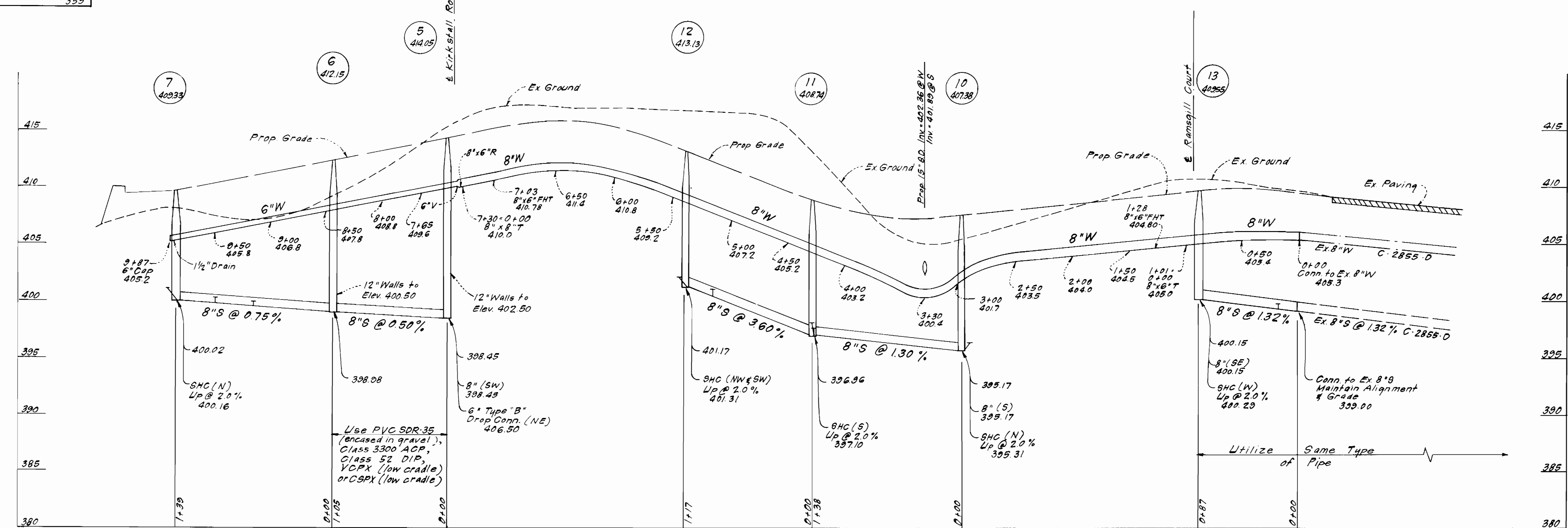
OUTFALL

KIRKSTALL ROAD

RAMSGILL COURT



BATES DRIVE



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

John F. Nunn 11-18-84
DIRECTOR OF PUBLIC WORKS DATE

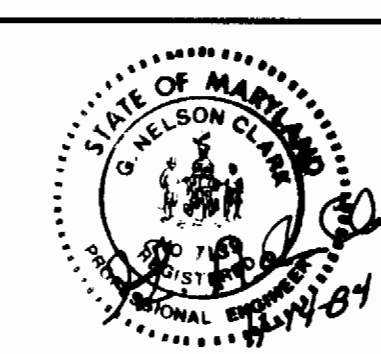
William S. Rabin 11-18-84
CHIEF, BUREAU OF ENGINEERING DATE

Robert W. Alder 12/26/84
CHIEF, BUREAU OF UTILITIES DATE

Michael J. [Signature]
CHIEF, LAND DEVELOPMENT DIV. DATE

CFB CLARK · FINEROCK & SACKETT
ENGINEERS · PLANNERS · SURVEYORS

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



| | | | | | |
|---------------|---------|----------|------|--------------------------|-----------|
| DES: C.K.G. | | | | | |
| DRN: V.L.B. | | | | | |
| CHK: C.K.G. | | | | | |
| DATE: 10/1984 | BY: NO. | REVISION | DATE | 600' SCALE MAP NO. 32-31 | BLOCK NO. |

PROFILES OF
WATER & SEWER MAINS

BRAMPTON HILLS
SECTION 3 AREA I
2ND ELECTION DISTRICT
CONTRACT NO. 24-1282-D

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

SHEET
4 OF 4