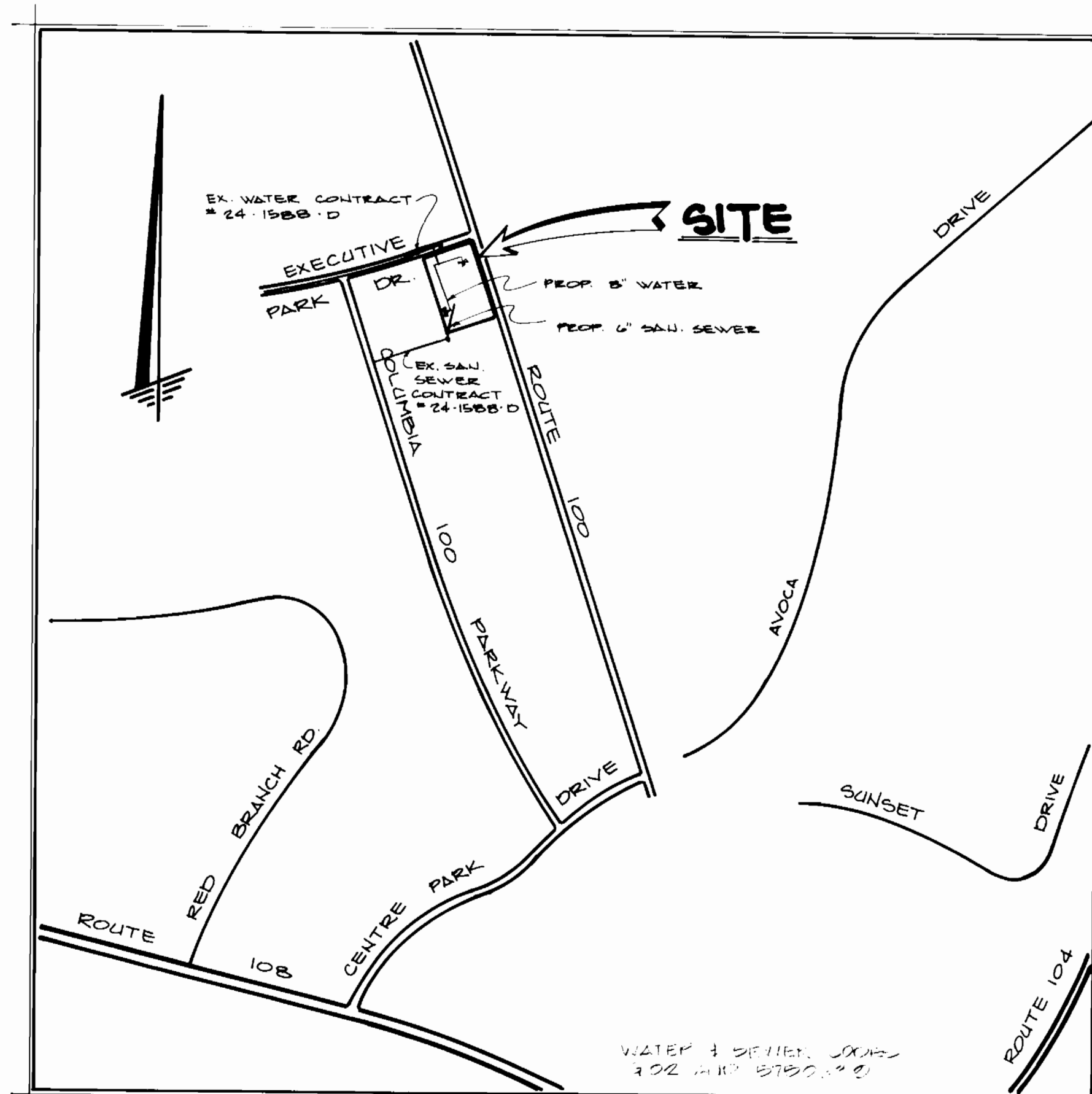


INDEX OF DRAWINGS

SHEET 1 TITLE SHEET
 SHEET 2 PLAN AND PROFILE SHEET



LOCATION MAP

SCALE: 1" = 600'

| TYPE OF BUILDINGS | OFFICES |
|---|---------|
| NUMBER OF LOT | |
| NUMBER OF WATER HOUSE CONNECTIONS | |
| NUMBER OF SEWER HOUSE CONNECTIONS | |
| DRAINAGE AREA ROUTE 100 PUMPING ST. (PUMPING ST.) | |

CONTRACT NO. - 24-1876-D
 PARCEL "P"
 SECTION ONE AREA TWO
 COLUMBIA 100 EXECUTIVE CENTRE
 HOWARD COUNTY, MARYLAND
 DEPARTMENT OF PUBLIC WORKS

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, 1989 AMENDMENT.
- For materials and construction methods use Howard County Standard Specifications and Howard County Design Manual, Volume IV. The Contractor shall have Volume IV 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 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 - Underground Damage Control - 859-9004
 - Baltimore Gas & Electric - Contractor Services - 850-4620
 - Baltimore Gas & Electric - Trouble Shooting - 298-9001
 - "Miss Utility" - 1-800-257-7777
 - Chesapeake & Potomac (C&P) Telephone Company - 1-800-257-7777
 - Bureau of Utilities Howard County - 992-2366
 - Colonial Pipeline Company - 795-1390
- 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. Class 52 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 1000 & 1005 of the Standard Specifications
- Building to have 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.
- 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'.
- All D.I.P. fittings shall be in accordance with A.W.W.A. specification C-153 Ductile Iron Compact Fittings, 3-inch through 12-inch for water and other liquids.

REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND METTS TECHNICAL REQUIREMENTS.
 J. Thomas Moore, 6/26/89
 DISTRICT SOIL CONSERVATION SERVICE DATE

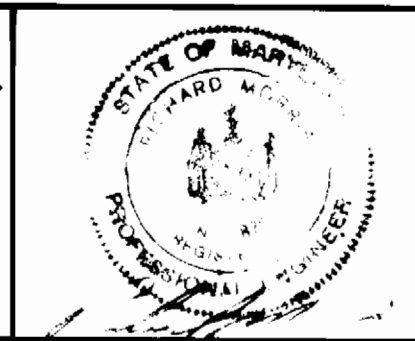
THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 APPROVED: [Signature]
 DISTRICT SOIL CONSERVATION DIST. DATE

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE STANDARD SPECIFICATION.

| QUANTITIES | | | |
|----------------|---------|----------|---------------------|
| ITEM | EST'D | AS BUILT | MATERIAL / SUPPLIER |
| 6" D.I.P. | 512 LF. | | |
| 6" D.I.P. | 28 LF. | | |
| 6" VALVE # BOX | 2 | | |
| 6" VALVE # BOX | 2 | | |
| FIRE HYDRANTS | 2 | | |
| 2" WATER | 10 LF. | | |
| 2" VALVE | 1 | | |

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 DIRECTOR OF PUBLIC WORKS DATE
 CHIEF, BUREAU OF ENGINEERING DATE

MORRIS AND RITCHE ASSOC., INC.
 ENGINEERS AND SURVEYORS
 139 NORTH MAIN STREET
 BEL AIR, MARYLAND 21014
 PHONE: 836-7560 OR 879-1690

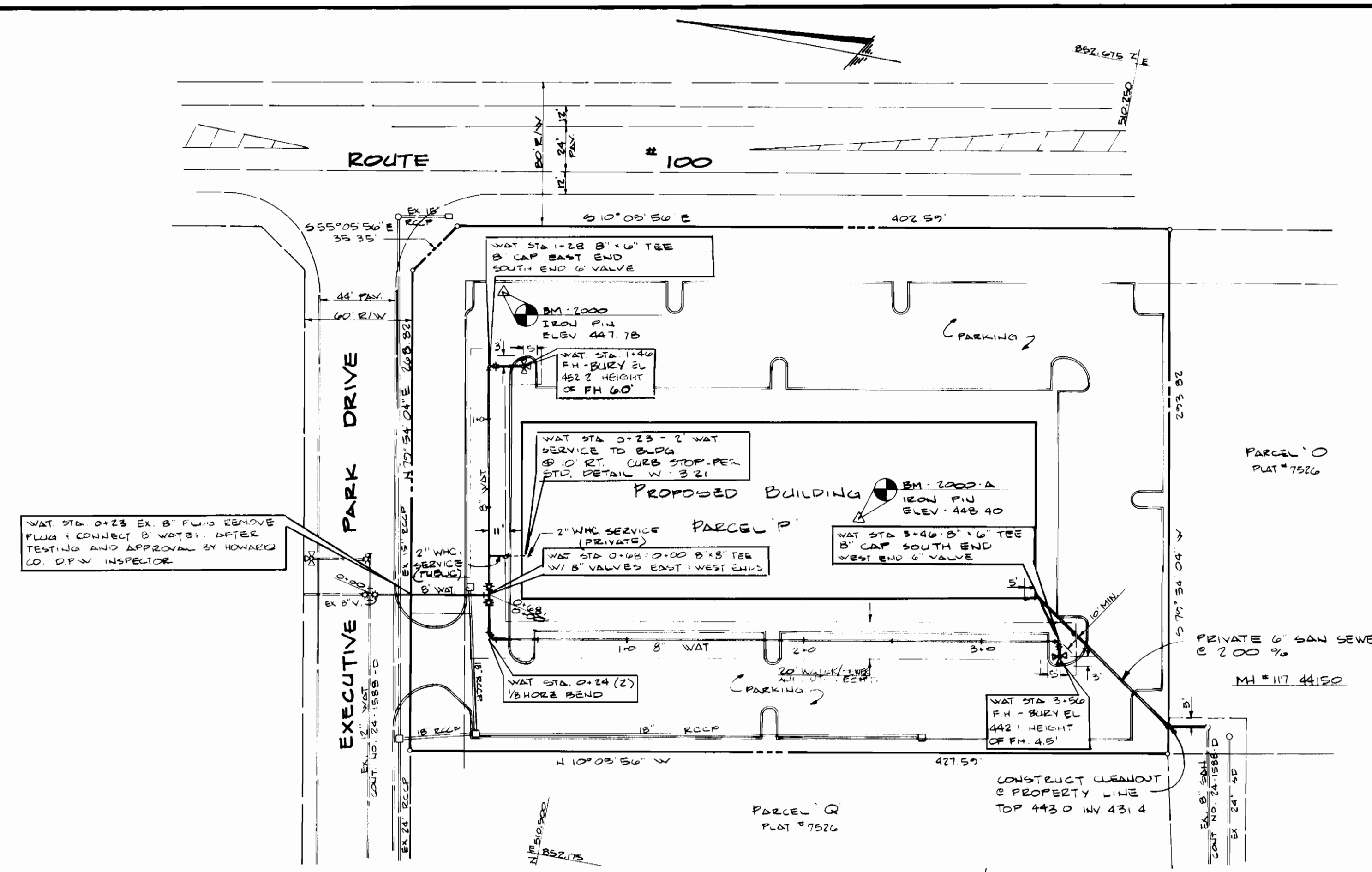


DES: PTM.
 DRN: M.E.
 CHK: [Signature]
 DATE: 6/20/89 BY NO. REVISION DATE

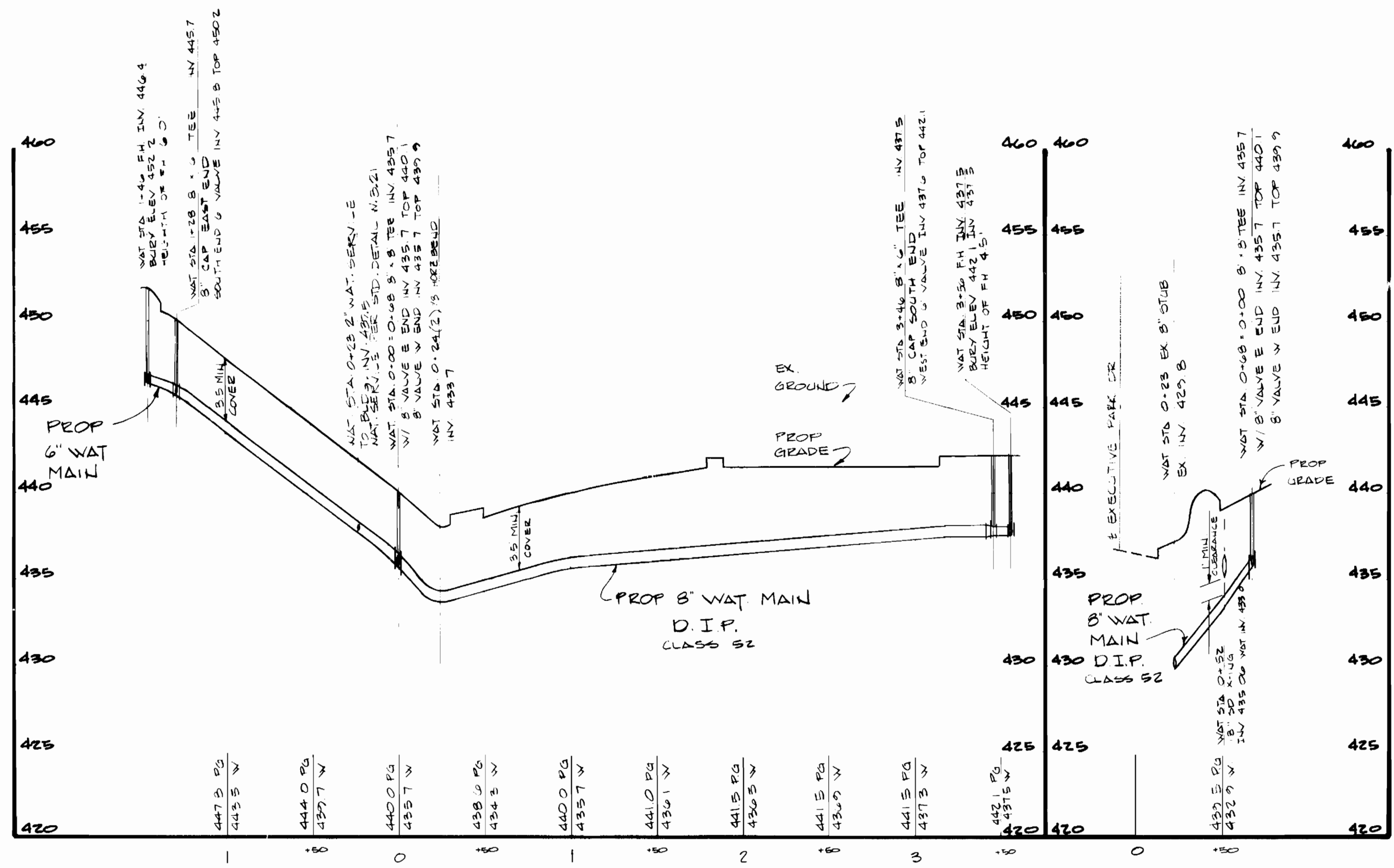
TITLE SHEET

COLUMBIA 100 - EXECUTIVE CENTRE
 SECTION 1, AREA 2, PARCEL 'P'
 2ND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 CONTRACT No.: 24-1876-D

SCALE AS SHOWN
 SHEET 1 OF 2



PLAN
1" = 50'



WATER PROFILES
HOR: 1" = 50'
VERT: 1" = 5'

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DIRECTOR OF PUBLIC WORKS DATE: _____
MICHAEL J. GARDNER RMP 6-21-89
CHIEF BUREAU OF UTILITIES DATE: _____

CHIEF, BUREAU OF ENGINEERING DATE: _____
CHIEF LAND DEVELOPMENT DIVISION DATE: _____

MORRIS AND RITCHIE ASSOC., INC.
ENGINEERS AND SURVEYORS
139 NORTH MAIN STREET
BEL AIR, MARYLAND 21014
PHONE 836-7560 OR 879-1690



| | | | | |
|---------------|---------|---|---|---------|
| DES: P.T.M. | M.E. | 1 | ADJUST PRIVATE 6" SANI TO 10' CLEARANCE / PLUMB | B.22.85 |
| DRN: M.E. | | | | |
| CHK: P.T.M. | | | | |
| DATE: 9-30-88 | BY: NO. | | REVISION | DATE |

PLAN AND PROFILES
WATER MAIN

60' SCALE MAP NO. 30 BLOCK NO. 12

COLUMBIA 100 - EXECUTIVE CENTRE
SECTION 1, AREA 2, PARCEL 'P'
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
CONTRACT NO.: 24-1876-D

SCALE AS SHOWN
SHEET 2 OF 2