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A PRONTAGE'S

CONSULTING ENGINEERS AND LAND SURVEYORS

8388 COURT AVENUE

ELLICOTT CITY, MARYLAND 21043

CHIEF, BUREAU OF ENGINEERING DATE

CHIEF, LAND DEVELOPMENT DIVISION DATE

N 485,000 WARFIELD'S RANGE SECTION TWO AREA THREE N/460,000 WATER AND SEWER COOPE FOR COUNTY USE ONLY **DEWEIZ NO. 6360000** 

## VICINITY MAP SCALE 1" = 600'

## 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 ENGINEER 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. THE OWNER HAS CONTACTED THE UTILITIES COMPANIES AND HAS MADE ARRANGEMENTS FOR BRACING OF POLES AS SHOWN ON THE DRAWINGS. IN THE EVENT THE CONTRACTOR'S WORK REQUIRES THE BRACING OF ADDITIONAL POLES, ANY COST INCURRED BY THE OWNER FOR THE BRACING OF ADDITIONAL POLES OF ADDITIONAL POLES.

  6. CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO SCHEDULE THE BRACING OF THE POLES.
- CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:

BALTIMORE GAS & ELECTRIC COMPANY - CONTRACTOR SERVICES: 561-2585
BALTIMORE GAS & ELECTRIC COMPANY - UNDER GROUND DAMAGE CONTROL: 234-5621 BALTIMORE GAS & ELECTRIC COMPANY - TROUBLE SHOOTING: 298-9013

CHESAPEAKE & POTOMAC TELEPHONE COMPANY: 725-9976

- 7. 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.
- 8. 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 CONSTRUCTION OF THE MAIN.
- 9. 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.
- 10. ALL SEWER MAINS SHALL BE: C.S.P.X., R.C.S.P., V.C.P.X. OR A.C.P. CLASS 2400 OR P.V.C., UNLESS OTHERWISE NOTED II. CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALLS.
- 12. ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER, UNLESS OTHERWISE NOTED.
- 13. MANHOLES SHOWN WITH 12" AND 16" WALLS ARE BRICK MANHOLES ONLY.
- 14. ALL WATER MAINS TO BE D.I.P. UNLESS OTHERWISE NOTED.
- 15. TOP OF WATER MAINS TO HAVE A MINIMUM OF 3'- 6" COVER UNLESS OTHERWISE NOTED . 16. VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
- 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 DETAIL. SOIL AROUND THE FIRE HYDRANT TO BE COMPACTED IN ACCORDANCE WITH SECTION 1003 AND 1008 OF THE STANDARD SPECIFICATIONS.
- 18. ALL WATER HOUSE CONNECTIONS SHALL BE FOR AN INSIDE METER SETTING. (STD. DETAIL W 3.21) 19. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING SYSTEM.
- 20. WATER MAINS AND WATER HOUSE CONNECTION LINES MUST BE PLACED SO AS TO HAVE AT LEAST ONE (I) FOOT SEPARATION FROM THE SEWER MAIN OR SEWER HOUSE CONNECTION AS THEY PASS ABOUT IT.
- 21. MANHOLES LOCATED WITHIN PROPOSED ROADWAY SHALL HAVE STANDARD HEAVY TRAFFIC MANHOLE FRAME AND COVER,
- 22. MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS STANDARD DETAIL G 5.52 WHERE WATERTIGHT MANHOLE FRAME AND COVER IS USED, SET TOP OF FRAME I'- 6" ABOVE FINISHED GRADE UNLESS OTHERWISE
- 23. FOR ALL COPPER WATER HOUSE CONNECTIONS, UTILIZE FLARED TYPE FITTINGS ONLY
- 24. FOR DETAILS NOT SHOWN ON THE DRAWINGS, AND FOR MATERIALS AND CONSTRUCTION METHODS, USE HOWARD COUNTY DESIGN MANUAL, VOLUME TY, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION. THE CONTRACTOR SHALL
- 25. WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY ARE NOTED BY THE SYMBOL THE LOCATION OF THE TEST PIT. A NOTE OR NOTES CONTAINING THE RESULTS OF THE TEST PIT OR PITS IS INCLUDED ON THE DRAWINGS. EXISTING UTILITIES IN THE VICINITY OF THE PROPOSED WORK FOR WHICH TEST PITS HAVE NOT BEEN DUG SHALL BE LOCATED BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS AT HIS OWN EXPENSE.
- 26. ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS UNLESS PROVIDED FOR ON THE DRAWINGS.

CONTRACT NO. 34-1469 D WARFIELD'S RANGE SECTION TWO AREA THREE

> WATER AND SEWER EXTENSION HOWARD COUNTY, MARYLAND

PLAN

600'SCALE MAP NO. \_\_\_\_\_\_ BLOCK NO. \_

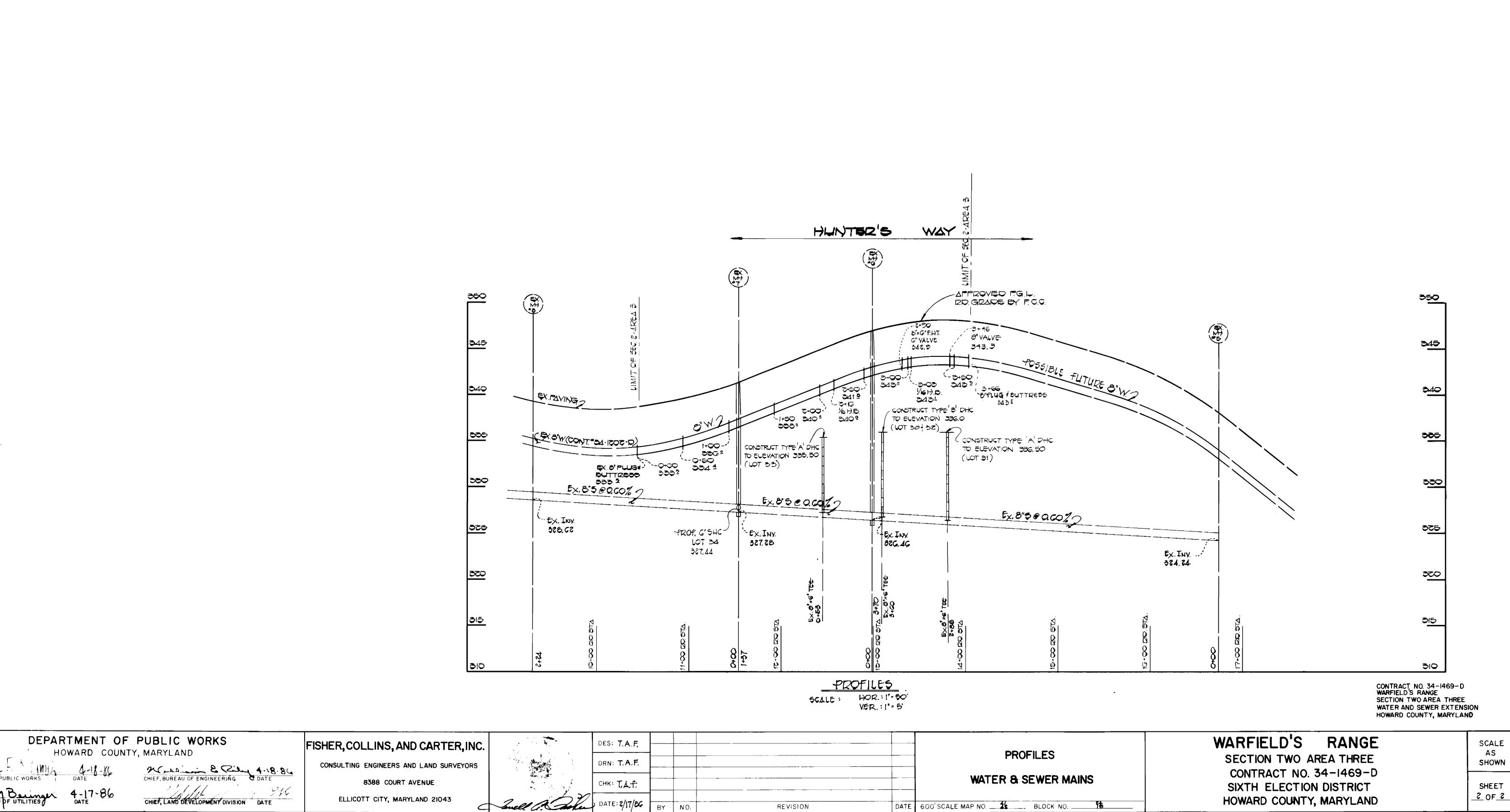
WATER & SEWER MAINS

WARFIELD'S RANGE SECTION TWO AREA THREE CONTRACT NO. 34 - 1469 - D

SIXTH ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

SCALE SHOWN SHEET 



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