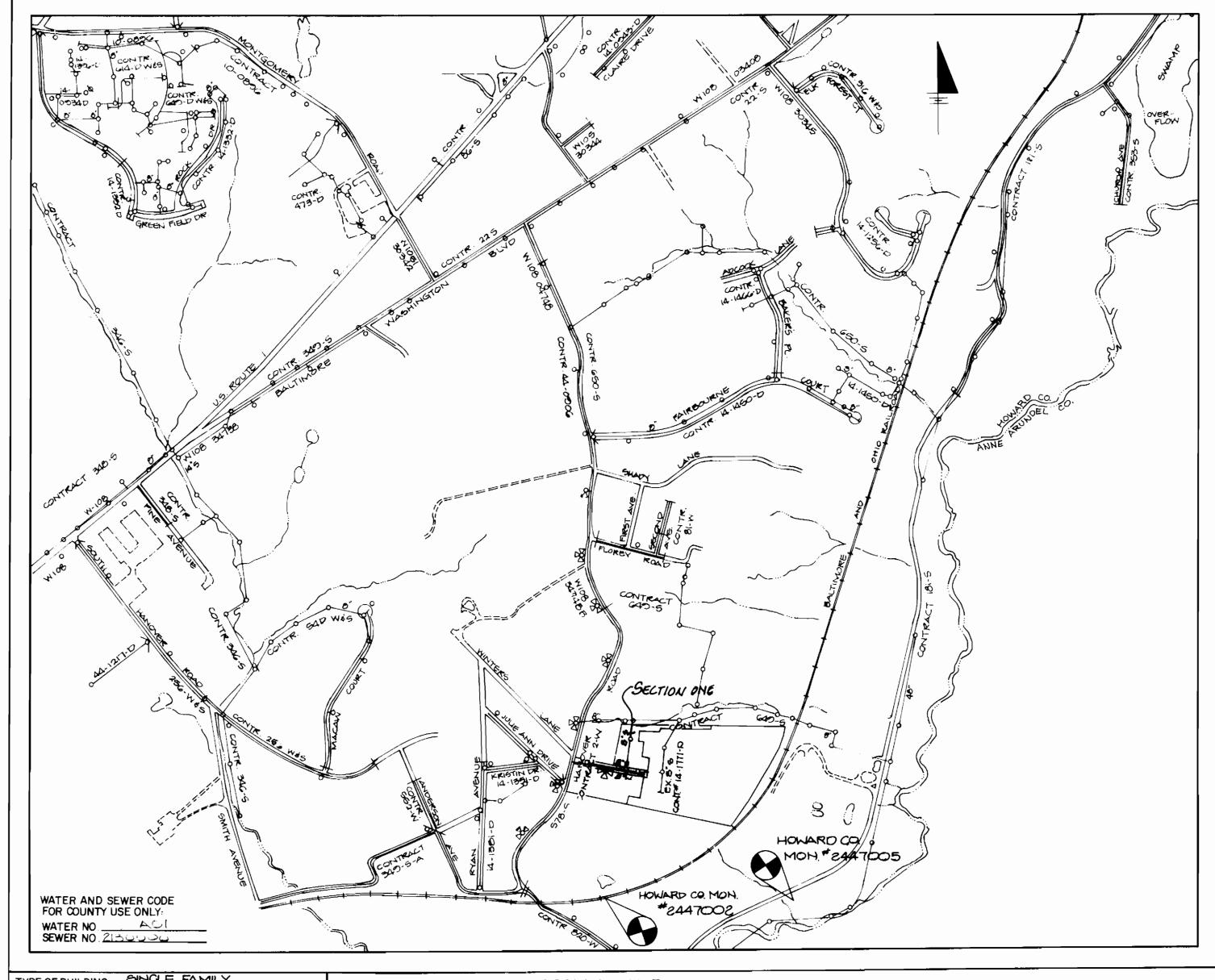
QUANTITIES			
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4" SHC	381 .L.F.	1	toti tradita ad i a la la directa di i
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TYPE OF BUILDING SINGLE FAMILY
NUMBER OF LOTS 1.7
NO. OF WATER HOUSE COMMECTIONS 1.5
NO. OF SEWER HOUSE COMMECTIONS 1.5
DRAINAGE AREA PATAPSCO RIVER

SCALE: I"= 600

CONTRACT NO. 14-1789D HOWARD COUNTY, MARYLAND DEPARTMENT OF PUBLIC WORKS

BENCHMARKS

HOWARD CO. MON. #2447002

ELEU. 89.019

CONCRETE MON HORTHEAST CORNOR RAILROAD TRACKS & HANOUER ROAD , 3' BELOW SURFACE.

HOWARD CO. MON. # 2447005

ELEU 49,478

REBAR ON WEST SIDE RACE ROAD OPP. P.T. OF CURVE

IN POAD, 9' OFF EDGE MAC. . 2' BELOW SURFACE.

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE HOWARD COUNTY DESIGN MANUAL AND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS AND ALSO AS SHOWN ON THE GRADING AND SEDIMENT CONTROL PLAN, F 89 - 18

REVIEW FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

CHIEF, BUREAU OF UTILITIES P DATE

M.S. SOIL CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY HOWARD SOIL CONSERVATION DISTRICT

VARD SOIL/CONSERVATION DISTRICT

DEPARTMENT OF PUBLIC WORKS DES:W.E.O. | ENGINEERING CONSULTANTS&ASSOCIATES| HOWARD COUNTY, MARYLAND

6400 BALTIMORE NATIONAL PIKE CHIEF, BUREAU OF ENGINEERING DATE SUITE 170-A-121 BALTIMORE, MARYLAND 21228 (301) 747-3491 CHIEF, LAND DEVELOPMENT DIVISION

MEDICAL MEN S/IN SU PLANT JAMES TO TITLE SHEET DRN: W.E.O. CHK:W.L.B DATE:JULY,1988 BY NO. DATE 600 SCALE MAP NO. _____ BLOCK NO. _____ C REVISION

20. THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'0" OF EXTERIOR MANHOLE WALL.

19. ALL SEWER MAINS SHALL BE C.S.P.X., R.C.S.P., V.C.P.X., OR P.V.C. UNLESS

ALL MANHOLES SHALL BE 4'0" INSIDE DIAMETER, UNLESS OTHERWISE NOTED. FORCE MAINS SHALL BE DI.P. ONLY.

MANHOLES SHOWN WITH 12" & 16" WALLS ARE BRICK MANHOLES ONLY.

WITH SECTIONS 1000 AND 1005 OF THE STANDARD SPECIFICATIONS. 17. ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING

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 A TOP OF FRAME I'-6" ABOVE FINISHED GRADE, STANDARD DETAIL G. 5.4:

25. HOUSE (S) WITH THE SYMBOL "C.N.S." INDICATES THAT CELLAR CANNOT BE SERVED.

18. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING SYSTEM.

GENERAL NOTES

ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES.

SHALL BE INCLUDED IN UNIT PRICES BID FOR CONSTRUCTION OF THE MAIN.

CHESAPEAKE & POTOMAC (C&P) TELEPHONE COMPANY 725-9976

BUREAU OF UTILITIES HOWARD COUNTY 313-4900

AMERICAN TELEPHONE AND TELEGRAPH - CABLE LOCATION DIVISION 393 - 3533

CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.

13. TOP OF ALL WATER MAINS TO HAVE A MINIMUM OF 3-1/2' COVER UNLESS OTHERWISE NOTED.

16. BURYLINE ELEVATIONS ON ALL FIRE HYDRANTS SHALL BE SET TO THE ELEVATIONS SHOWN ON THE

DRAWINGS. ALL FIRE HYDRANTS SHALL BE STRAPPED AND BUTTRESSED WITH CONCRETE IN ACCOR-DANCE WITH STANDARD DETAILS. SOIL AROUND THE FIRE HYDRANT TO BE COMPACTED IN ACCORDANCE

IO TREES ARE TO BE PROTECTED FROM DAMAGE TO MAXIMUM EXTENT. TREES LOCATED WITHIN THE

II. CONTRACTOR SHALL REMOVE TREES, STUMPS, AND ROOTS ALONG LINE OF EXCAVATION AS DIRECTED

12. PLACE REGULATION "MEN WORKING" AND WARNING SIGNS AS REQUIRED TO COMPLY WITH MARYLAND STATE HIGHWAY ADMINISTRATION MANUAL OF TRAFFIC CONTROL FOR HIGHWAY CONSTRUCTION

BY THE ENGINEER. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID

OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATUM. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS

DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS.

STATE HIGHWAY ADMINISTRATION 531 - 5533

ENGINEERING - "DAMAGE CONTROL" 234 - 5611

COLONIAL PIZELINE COMPANY 795-1390

14. VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.

SERVICE 685-0123

SERVICE 685-0123

FOR CONSTRUCTION OF THE MAIN.

15. BLOCK ALL FITTINGS WITH CONCRETE.

AND MAINTENANCE

OTHERWISE NOTED.

"MISS UTILITY" 1-559-0100

APPROXIMATE LOCATION OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES AND MAINTAIN UNINTER-RUPTED SUPPLY. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION

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

FOR MATERIALS AND CONSTRUCTION METHODS USE HOWARD COUNTY STANDARD SPECIFICATIONS. CONTRACTOR SHALL LOCATE EXISTING UTILITIES A MINIMUM OF TWO (2) WEEKS IN ADVANCE OF

CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) WORKING

BALTIMORE GAS AND ELECTRIC COMPANY - UNDERGROUND GAS DISTRIBUTION CUSTOMER

BALTIMORE GAS AND ELECTRIC COMPANY - UNDERGROUND ELECTRIC DISTRIBUTION CUSTOMER

CONSTRUCTION OPERATIONS IN THE VICINITY OF PROPOSED UTILITIES AT HIS OWN EXPENSE.

FOR DETAILS NOT SHOWN ON THE DRAWINGS USE HOWARD COUNTY STANDARD DETAILS 1989 AMENDMENTS.

26. ALL D.I.P. FITTINGS SHALL BE IN ACCORDANCE WITH AWWA SPECIFICATIONS C-153 DUCTILE IRON COMPACT FITTINGS, 3"-12" WATER AND OTHER LIQUIDS.

CONTRACT NO. 14-1789-D HANOVER CROSSING SECTION ONE WATER & SEWER MAIN **EXTENSION**

HANOVER CROSSING SECTION ONE

LOTS I THRU LOTS 17 TAX MAP 38 PARCEL 266 I ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SHEET __ OF_<u>-3</u>_

SCALE

AS

SHOWN

WSOIL-EC

