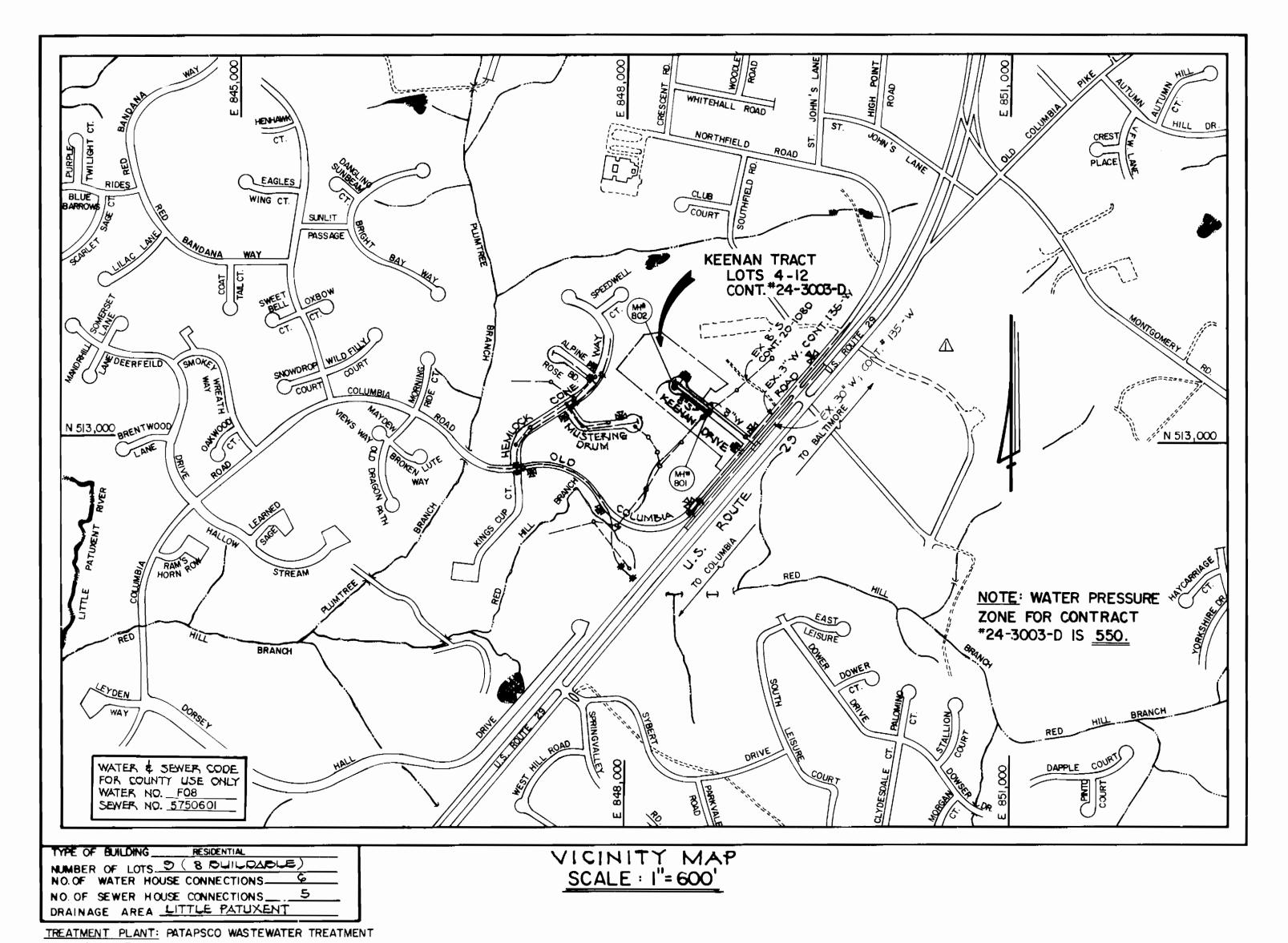


QUANTITIES			
ITEM	EST'D	AS - BUILT	SUPPLIER
8" SEWER	310 LF	312' L.F.	J-M MANU. Corp
MANHOLE	2 EACH	2 EACH	ATHANTIC
8" WATER	707 LF	707 L.F.	Griffin Pipe Proc
6"WATER	88 LF	100' L.F.	11 it it
FIRE HYDRANT	2 EACH	2 EACH	MUELLER Com
8"x 6" REDUCER	I EACH	1 EAGH	Grittin Pipe Per
	-		
3/4" WHC	174_LF	200' L.F.	HOWELL METAL
4" SHC	163 LF	169' L.F.	J-M MANU CO

30"x8" CONNECTION \$ 8" VALVE	I EACH	/ FACH	MUELLER COM
8-INCH VALVE	I EACH	/ EACH	" "
4-INCH VALVE	ASA3 S	1 EACH	r
8" × 4" CROSS	<i>I EA</i> CH	I EACH	Gertlin Pipe Por
4"× 3" REDUCER	S EACH	2 EALH	



PLANT VIA THE ROUTE 108 PUMPING STATION CONTRACT NO. 24-3003-D KEENAN TRACT

LOTS 4 THRU 12 WATER AND SEWER MAIN EXTENSIONS HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS

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

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 90-03

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION

DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

PLAN REFERENCE NOS. P 88-77 F 90-03

AS-BUILT

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

ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES.

6. FOR DETAILS NOT SHOWN ON THE DRAWINGS, AND FOR MATERIALS AND

7. WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY ARE

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 VERIFIED BY THE CONTRACTOR TO HIS OWN SATISFACTION. ANY DAMAGE TO EXISTING FACILITIES DUE TO THE CONTRACTOR'S NEGLIGENCE SHALL

8. CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT

STATE HIGHWAY ADMINISTRATION: 531-5533

COLONIAL PIPELINE COMPANY: 795-1390

ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.

UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.

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

1000 AND 1005 OF THE STANDARD SPECIFICATIONS.

OTHERWISE NOTED.

FOR ON THE DRAWINGS.

EXISTING WATER SYSTEM.

(STD. DETAIL W.3.21).

LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:

BALTIMORE GAS & ELECTRIC CO. TROUBLE SHOOTING: 298-9001

C & P. TELEPHONE COMPANY 1-800 - 257-7777

EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP

EXCAVATION, PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE

12. TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3-1/2' COVER UNLESS

9. TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO MAXIMUM

10. CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG LINE OF

11. ALL WATER MAINS TO BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED.

14. ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS UNLESS OTHERWISE PROVIDED

15. FIRE HYDRANTS SHALL BE SET TO THE BURY LINE ELEVATIONS SHOWN ON

16. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE

17. ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING.

UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECFICATIONS.

18. WATER MAINS AND WATER HOUSE CONNECTION LINES MUST BE PLACED SO

AS TO HAVE AT LEAST ONE (1) FOOT SEPARATION FROM THE SEWER

19. MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATER-TIGHT FRAME AND COVERS STANDARD DETAIL G5.52 WHERE WATERTIGHT MANHOLE FRAME AND COVER IS USED, SET TOP OF FRAME 1'-6" ABOVE

21. THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN

22. ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE

23. MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES

24. MANHOLES LOCATED WITHIN PROPOSED ROADWAY SHALL HAVE STANDARD HEAVY TRAFFIC MANHOLE FRAME AND COVER, STANDARD DETAIL G5.51

MAIN OR SEWER HOUSE CONNECTION AS THEY PASS ABOUT IT.

FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.

20. ALL SEWER MAINS SHALL BE C.S.P.X., R.C.S.P., V.C.P.X.,

OR P.V.C. UNLESS OTHERWISE NOTED.

2'-0" OF EXTERIOR MANHOLE WALL.

THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE STRAPPED AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS. SOIL AROUND

THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION

BALTIMORE GAS & ELECTRIC CO.-CONTRACTOR SERVICES: 850-4620

BALTIMORE GAS & ELECTRIC CO. UNDERGROUND DAMAGE CONTROL: 859-9004

BUREAU OF UTILITIES, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS 992-2366

NOTED BY THE SYMBOL AT THE LOCATION OF THE TEST PIT. A NOTE

CONTRACTOR SHALL HAVE A COPY OF VOLUME IV ON THE JOB.

ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATUM.

4. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.

CLEAR ALL UTILITIES BY A MINIMUM OF 6".

BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

MISS UTILITY: 1-559-0100

AT THE CONTRACTOR'S EXPENSE.

SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER

CONSTRUCTION METHODS, USE HOWARD COUNTY DESIGN MANUAL, VOLUME IV,

STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION, AMENDED 1989. THE

CONTRACT NUMBER: 24-3003-D KEENAN TRACT LOTS 4 THRU 12 WATER & SEWER EXTENSIONS HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

|FISHER, COLLINS AND CARTER, INC. CONSULTING ENGINEERS AND LAND SUPVEYORS

8388 COURT AVENUE

ELLICOTT CITY, MARYLAND 21043

TERRELL A. FISHER

DES: DB DRN DB/SH REVISE VICINITY MAP, QUANTITIES, AND ADD DETAIL REVISION DATE 600'SCALE MAP NO 24 BLOCK NO.

TITLE SHEET

KEENAN TRACT LOTS 4-12 **CONTRACT NO.** 24-3003-D SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND

AS SHOWN SHEET 1 OF 2

