ITEM	ESTIMATED	AS-BUILT		
		QUANTITIES .	TYPE	SUPPLIER
8" SEWER	5 L.F.	5 L.F.	PVC	
MANHOLES	I EACH	IEA.		
6" WATER	JO L.F.	70 L.F.	DIP	
8" WATER	3,925 L.F.	3,925 L.F.	DIP	
FIRE HYDRANTS	6 EACH	GEA.	***************************************	MUELLER
8×16"	2 EACH			
8"x8" 1".5.# V.	0			and the state of t
8" x6" TEE	¶ EACH	7EA.	DIP	· · · · · · · · · · · · · · · · · · ·
8" x8" TEE	₩ EACH	4EA.	DIP	- 1-14 company to the contract of the second contract of the second contract of the contract o
G" VALVE	T EACH	7EA.	DIP	the control of the co
8" VALVE	5 EACH	5EA.	DIP	
8°-1/8 H.B.	2 EACH	2EA.	DIP	
8"-1/16 H.B.	I EACH		n paragrama de la composição de proprio de la composição de la composição de la composição de la composição de	
8 ^k -1/32 H.B.	1 EACH		an fair ann an an an an agus agus an agus agus an agus Na Carlos agus an agus agus agus agus agus agus agus agus	
t gardy-flygar-tin- annews ein einsteamhrafasth eines watherwood				

WATER AND SEWER MAIN SEQUENCE OF CONSTRUCTION

- 1. CONTRACTOR IS TO OBTAIN ALL NECESSARY PERMITS BEFORE BEGINNING CONSTRUCTION 2. A FRE-CONSTRUCTION-MEETING MUST BE CONDUCTED BETWEEN PARTICIPANTS. NOTIFY THE SEDIMENT AND EROSION CONTROL INSPECTOR 48 HOURS PRIOR TO
- 3. CALL MISS UTILITY TO LOCATE EXISTING WATER MAINS. CONTRACTOR IS RESPONSIBLE FOR DAMAGES. 4. INSTALL SILT FENCE AS INDICATED ON PLAN OR AS DIRECTED BY THE SEDIMENT AND EROSION
- CONTROL INSPECTOR. SELECT STOCKPILE AREAS WITHIN THE DRAINAGE DIVIDE OF SEDIMENT BASINS. 5. WITH APPROVAL OF THE SEDIMENT AND EROSION CONTROL INSPECTOR EXCAVATE TRENCH AND INSTALL WATER AND SEWER LINES. FOLLOW THE DIVISION 5.00 SPECIAL PROVISION PROCEDURES FOR CONTRACT No. 44-3757-D.
- 6. WITH APPROVAL OF THE BUREAU OF UTILITIES INSPECTOR BACKFILL TRENCH TO FINISH GRADE AT AT SPECIFIED DENSITY AND RESTORE EARTH BERM
- 7. NOTIFY SEDIMENT AND EROSION CONTROL INSPECTOR TO OBTAIN APPROVAL TO REMOVE SILT FENCE. NOTE: ESTIMATED TIME OF CONSTRUCTION FOR WATER AND SEWER LINES IS FIFTEEN (15) DAYS. THIS ESTIMATE MAY VARY DUE TO INCLEMENT WEATHER.

DEVELOPER'S CERTIFICATION

" IWE HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOI EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEI INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS

" I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT

CONTROL BY HOWARD SOIL CONSERVATION DISTRICT.

IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE HOWARD COUNTY DESIGN MANUAL & STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

IN DEVELOPING AREAS AS SHOWN ON THESE PLANS AND UNDER FOS- 44 SDP-00-63

SIGNATURE OF DEVELOPER

B.M.#2 - HOWARD COUNTY MONUMENT NO. 43BG ELEV .= 210.54; DESC.

BENCHMARK INFORMATION

B.M.#I - HOWARD COUNTY MONUMENT NO. 43B2 ELEV. = 209.58; DESCRIPTION: DESC

EX. 18"5 CONT No. EX. 6" W CONT No. -544-5 __ CONT No. 673-W45 36-W\$S 10-1300 14-3151-D -TREATMENT CONT No. 36 W\$S CONT No BALTIMORE WASHINGTON CONT No. 14-3049-D **AUTO EXCHANGE** CONTRACT # 14-3848-D CONT No. 14-3049-D WATER & SEWER CODE CONT No. FOR COUNTY USE ONLY WATER NO.: BOI SEWER NO .: WATER TEST GRADIENT: 550 YPE OF BUILDING: COMMERCIAL: VEHICLE AUCTION FACILITY LAN REFERENCE NUMBERS: NUMBER OF LOTS & PARCELS: F 99 - 44 NO. OF WATER HOUSE CONNECTIONS: VICINITY MAP NO. OF SEWER HOUSE CONNECTIONS: WATERLO PATAPSCO WASTEWATER TREATMENT TREATMENT PLANT: PLANT VIA THE ROUTE 108 PUMPING STATION SCALE: 1"=600"

CONTRACT No. 14-3848-D

BALTIMORE WASHINGTON AUTO EXCHANGE

WATER AND SEWER MAIN EXTENSIONS HOWARD COUNTY, MARYLAND

DESIGNED BY

FOR REVISION #2 ONLY LELOOPE BUILDING TO AS BUILT LOSANON DELETE FRANCIS OF 8" PLBUC WATER MAIN. REVISE WHO OND PRIVATE SEWER MAIN NOTE: THIS SET SUPERCEDES OLD SET.

FIRE HYDRANT BOLLARD DETAIL NOT TO SCALE

-IO" DIAMETER STANDARD WEIGHT STEEL PIPE,

O.D.= 10.75", I.D.= 10.02"

WALL THICK .= 0.365" FILLED

PAINTED IN A COLOR SELECTED

WITH 3500 PSI CONCRETE

BY THE OWNER

-PROP. GRADE

CONCRETE FILL

-CRUSHED STONE

SPECIFICATIONS: HOWARD COUNTY (LATEST) CONCRETE: SHA MIX NO. 3, Pc= 3500 PSI

> CONTRACT NO. 14-3848-D BALTIMORE WASHINGTON **AUTO EXCHANGE** WATER AND SEWER MAIN EXTENSIONS HOWARD COUNTY, MARYLAND

GENERAL NOTES

1. APPROPRIATE 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

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 UTILITY COMPANIES AND HAS MADE ARRANGEMENTS FOR BRACING OF POLES SHOWN ON THE DRAWINGS. IN THE EVENT THE CONTRACTOR'S WORK REQUIRES THE BRACING OF ADDITIONAL POLES, ANY COST INCURRED BY THE OWNER FOR BRACING OF ADDITIONAL POLES OR DAMAGES SHALL BE DEDUCTED FROM MONEY OWED THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY

6. FOR DETAILS NOT SHOWN ON THE DRAWINGS, AND FOR MATERIALS AND CONSTRUCTION METHODS, USE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (LATEST EDITION). THE CONTRACTOR SHALL

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 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 UTILITY COMPANIES OR AGENCIES AT LEAST FIVE (5) WORKING DAYS BEFORE STARTING

COLONIAL PIPELINE CO.: 1-410-549-4120

10. CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG THE LINE OF EXCAVATION, PAYMENT FOR SUCH REMOVAL SHALL BE

11. THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT 410-313-2450 AT LEAST FIVE (5) WORKING DAYS BEFORE ANY OPEN CUT OF ANY COUNTY ROAD OR BORING/JACKING OPERATION IN COUNTY ROADS FOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER

STATE HIGHWAY ADMINISTRATION: 410-531-5533

BALTIMORE GAS & ELECTRIC CO., - CONTRACTOR SERVICES: 410-850-4620

BALTIMORE GAS & ELECTRIC CO.. - UNDER GROUND DAMAGE CONTROL: 410-291-4607

BUREAU OF UTILITIES, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS: 410-313-4900

7. WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY ARE NOTED BY THE SYMBOL BY AT THE LOCATION OF THE

MISS UTILITY: 1-800-257-7777

BELL ATLANTIC: 1-800-446-5266

9. TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE

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

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

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

4. MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS,

STANDARD DETAIL G5.52. WHERE WATERTIGHT FRAME AND COVER IS USED, SET TOP OF FRAME 1"-G"

4. ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS

5. FIRE HYDRANTS SHALL BE SET TO THE BURY LINE ELEVATIONS SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL

BE RESTRAINED AN BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS. SOIL AROUND

THE FIRE HYDRANTS SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND 1005 OF THE STANDARD

7. ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING UNLESS OTHERWISE NOTED ON PLANS OR

INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.

SECTION 18.11.4 (a) OF THE HOWARD COUNTY CODE.

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

UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS.

1. ALL WATER MAINS TO BE D.L.P. CLASS 52 UNLESS OTHERWISE NOTED.

1. ALL SEWER MAINS SHALL BE D.L.P. OR P.V.C. UNLESS OTHERWISE NOTED. 2. ALL MANHOLES SHALL BE 4"-O" INSIDE DIAMETER UNLESS OTHERWISE NOTED.

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

ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.

FIRE HYDRANT

TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE. 2. ALL HORIZONTA: CONTROLS ARE BASED ON MARYLAND STATE COORDINATES.

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

COMPANIES TO SCHEDULE THE BRACING OF POLES.

HAVE A COPY OF VOLUME IV ON THE JOB SITE.

BE REPAIRED AT THE CONTRACTOR'S EXPENSE.

WORK SHOWN ON THESE PLANS:

WATER NOTES

IN THE SPECIFICATIONS.

SEWER NOTES

-BOLLARD (TYP.)

5' TYPICAL

4. ALL PIPE ELEVATIONS ARE INVERT ELEVATIONS.

BALTIMORE WASHINGTON AUTO EXCHANGE

HOWARD COUNTY, MARYLAND

CONTRACT NO. 14-3848-D FIRST ELECTION DISTRICT

STEEL: ASTM A-36

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

6-30-00

THAYER & ASSOCIATES, INC. 2868 CONSTELLATION WAY FINKSBURG, MARYLAND 21048 TEL/FAX: 410-840-8797

M. J. K. DRAWN BY : C.A.D.D. RV 2 RELOCATE BUILDING, DELETE 8"W M.J.K. VERTICALLY RELOCATION W/L "A" STA. 0+50 TO 1+50 4/30/03

TITLE SHEET

600' SCALE MAP NO. 43 BLOCK NO. FILE NAME: BWAE WATSEW TITLE SHEET

A5 SHOWN SHEET of 9

DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND

















