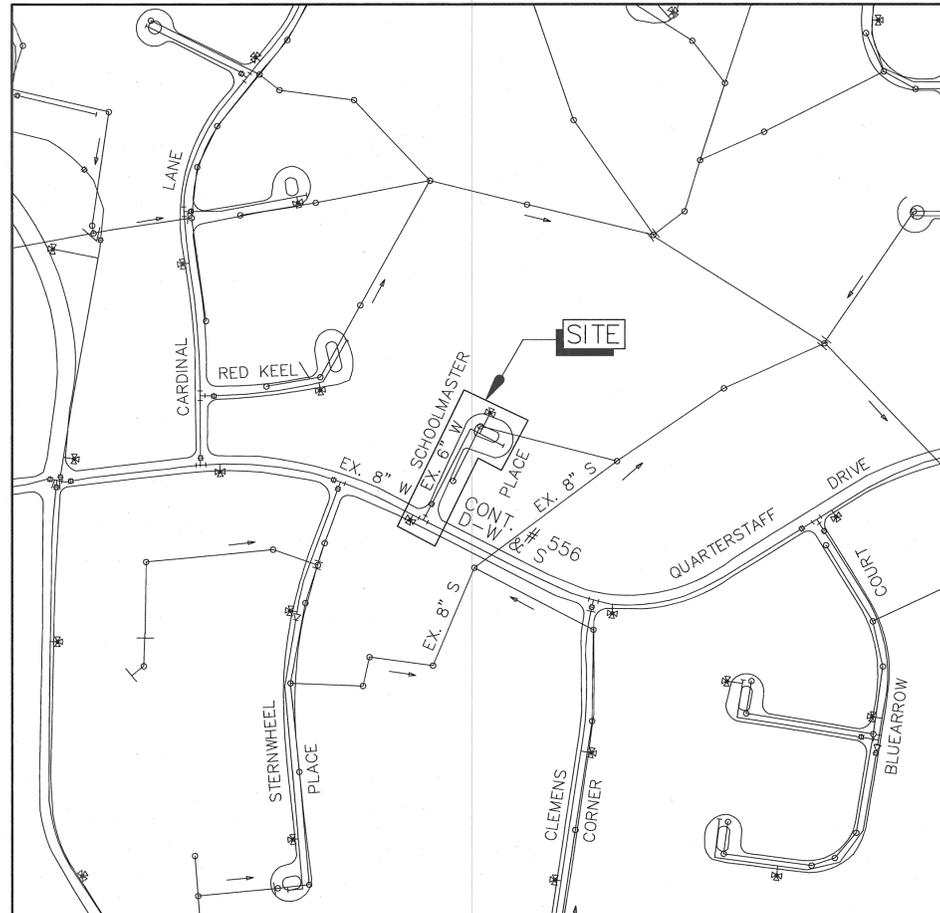


SCHOOLMASTER PLACE WATER MAIN REPLACEMENT

CAPITAL PROJECT W-8246 CONTRACT NO.44-4020

ITEM	QUANTITIES		TYPE MATERIAL	SUPPLIER
	ESTIMATED	AS BUILT		
8" WATER	330 LF	321 LF	D.I.P.	US PIPE / BRS
6" WATER	5 LF	5 LF	-	-
3/4" WATER	35 LF	-	-	TYPE K
FIRE HYDRANT	1 EA	1 EA	-	MUELLER CO.
8" VALVE	1 EA	1 EA	-	MUELLER CO.



TYPE OF BUILDING: RESIDENTIAL
 NUMBER OF PARCELS: 11
 WATER HOUSE CONNECTIONS: 11
 DRAINAGE AREA: _____

VICINITY MAP
 SCALE: 1" = 200'

WATER AND SEWER CODES FOR
 COUNTY USE ONLY
 WATER CODE.

INDEX OF SHEETS	
SHEET	DESCRIPTION
1	TITLE SHEET
2	PLAN AND PROFILE

GENERAL NOTES:

PART I

- APPROXIMATE LOCATIONS OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- THE PLANS AND PROFILES SHOWING EXISTING CONDITIONS HAVE BEEN DEVELOPED USING THE AS-BUILT CONSTRUCTION PLANS FOR THE EXISTING 6-INCH WATER MAIN, AS SHOWN ON DRAWING 11 OF 17, CONTRACT NO. 556-D-W & S, DATED SEPTEMBER, 1974 AS THE BASE TOPOGRAPHIC INFORMATION FOR THE DESIGN.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED ON THE PLANS.
- CLEAR ALL UTILITIES BY A MINIMUM OF 12". CLEAR ALL POLES BY 5'-0" MINIMUM OR TUNNEL AS REQUIRED UNLESS OTHERWISE NOTED. THE OWNER HAS CONTACTED THE UTILITY 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 OR DAMAGES SHALL BE DEDUCTED FROM MONIES OWED THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO SCHEDULE THE BRACING OF THE POLES.
- 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 HAVE A COPY OF VOLUME IV ON THE JOB.
- WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY ARE NOTED BY THE SYMBOL AT THE LOCATIONS OF THE TEST PITS. 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.
- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:

AT&T.....1-800-252-1133
 BGE(CONTRACTOR SERVICES).....410-850-4620
 BGE(UNDERGROUND DAMAGE CONTROL).....410-787-9068
 BUREAU OF UTILITIES.....410-313-4900
 VERIZON.....1-800-743-0033
 COLONIAL PIPELINE CO.....410-795-1390
 MISS UTILITY.....1-800-257-7777
 STATE HIGHWAY ADMINISTRATION.....410-531-5533

- TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO THE MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
- CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG THE LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.
- THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410)313-7450 AT LEAST FIVE WORKING DAYS BEFORE OPEN CUTTING OR BORING/JACKING OF ANY COUNTY ROAD FOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.114(g) OF THE HOWARD COUNTY CODE.

PART II WATER

- ALL WATER MAINS SHALL BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED.
- TOPS OF ALL WATER MAINS SHALL HAVE A MINIMUM OF 3'-6" OF COVER UNLESS OTHERWISE NOTED.
- VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
- ALL FITTINGS SHALL BE RESTRAINED AND BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS.
- FIRE HYDRANTS SHALL BE SET TO THE BURY LINE ELEVATIONS SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD DETAILS. THE SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND SECTION 1005 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
- FIVE DAYS PRIOR TO TIE-IN CONNECTIONS, CONTACT THE HOWARD COUNTY BUREAU OF UTILITIES, 410-313-4900, FOR ASSISTANCE.

AS BUILT
 REPLACEMENT SHEET
 (NOVEMBER 9, 2004)

DEVELOPER'S CERTIFICATION

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT."

11/12/04
 SIGNATURE OF DEVELOPER DATE
 PRINT NAME BELOW SIGNATURE

TITLE SHEET

SCHOOLMASTER PLACE
 WATER MAIN REPLACEMENT
 CAPITAL PROJECT W-8246
 CONTRACT NO. 44-4020
 ELECTION DISTRICT NO. 5
 HOWARD COUNTY, MARYLAND

SCALE
 AS
 SHOWN

SHEET
 1 OF 2

201035.03

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

11/16/04
 DIRECTOR OF PUBLIC WORKS DATE

11/15/04
 CHIEF, BUREAU OF ENGINEERS DATE

11-16-04
 CHIEF, BUREAU OF UTILITIES DATE

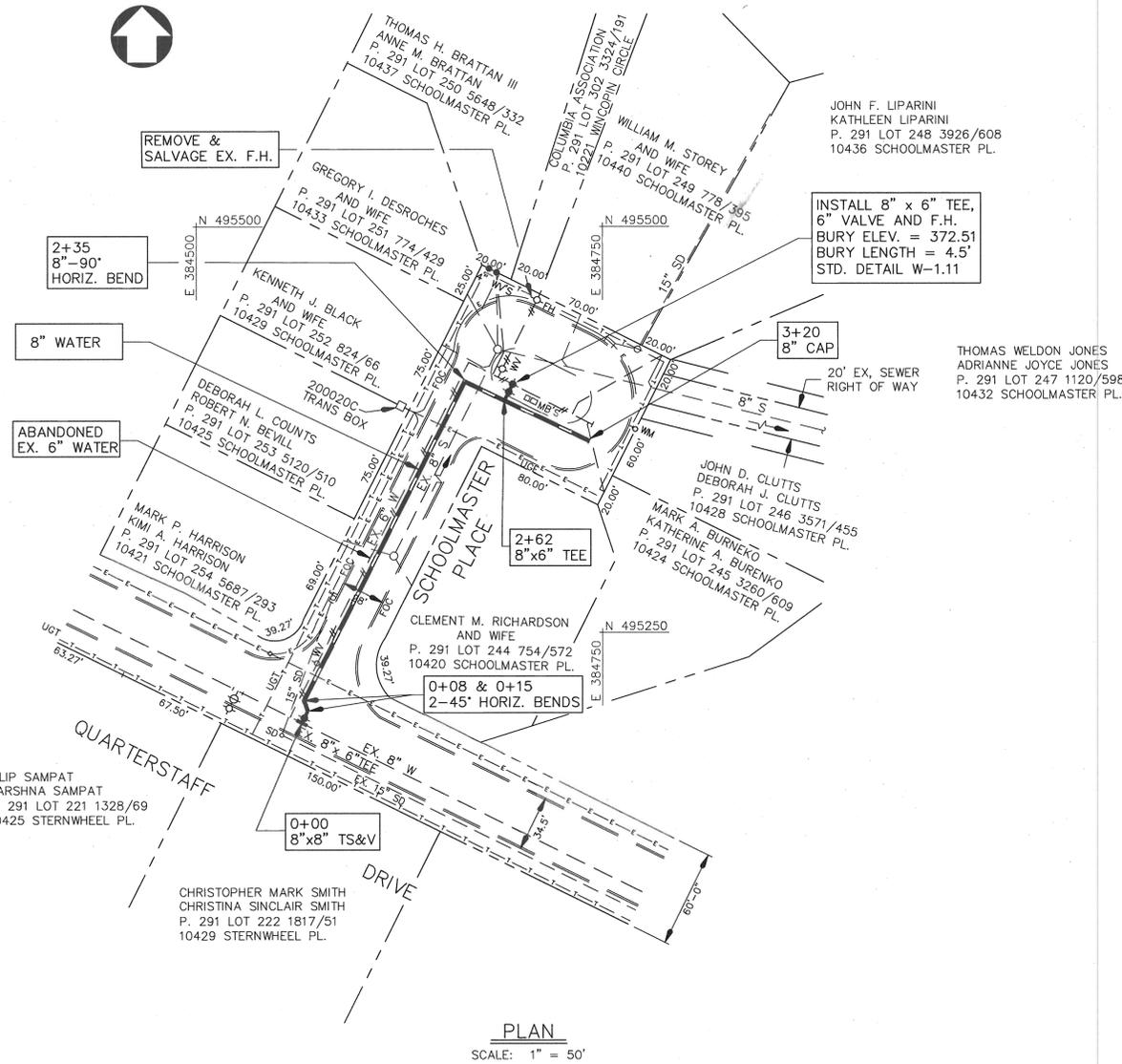
11-15-04
 CHIEF, UTILITY DESIGN DIVISION DATE

WALLACE,
 MONTGOMERY
 & ASSOCIATES, LLP
 CIVIL AND STRUCTURAL ENGINEERS
 110 WEST ROAD
 TOWSON, MARYLAND 21204

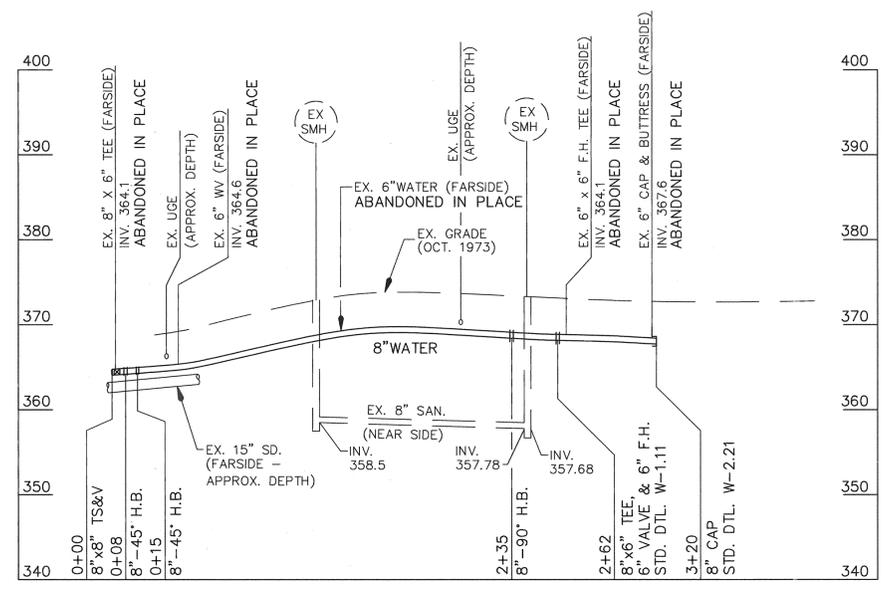


DES:	WCW				
DRN:	SDH				
CHK:	LAF				
DATE:	OCT. 2002	BY	NO.	REVISION	DATE

600' SCALE MAP NO. 35 BLOCK NO. 18



PLAN
SCALE: 1" = 50'



PROFILE - 8" WATER

SCALE: 1" = 50' HORIZ.
1" = 10' VERT.

WATER MAIN CONSTRUCTION PROCEDURES

1. INSTALL 8"x8" TS&V. CLOSE NEW 8" VALVE.
2. PLACE NEW 8" WATER NEXT TO EX. 6" W. CONSTRUCT BUTRESSES AND ANCHORS IN ACCORDANCE WITH HOWARD COUNTY STANDARD DETAILS.
3. PERFORM HYDROSTATIC DETAILS TESTING AND DISINFECTION PROCEDURES IN ACCORDANCE WITH HOWARD COUNTY SPECIFICATIONS. COUNTY TO OPEN NEW 8" VALVE.
4. CONNECT EXISTING WATER HOUSE CONNECTIONS TO THE NEW 8" WATER MAIN.
5. CLOSE EX. 6" VALVE, REMOVE VALVE BOX & FILL HOLE WITH STONE.
6. PATCH ROAD

AS BUILT
REPLACEMENT SHEET
(NOVEMBER 9, 2004)

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
11/18/04
11-16-04

WALLACE,
MONTGOMERY
& ASSOCIATES, LLP
CIVIL AND STRUCTURAL ENGINEERS
110 WEST ROAD
TOWSON, MARYLAND 21204



DES:	WCW				
DRN:	SDH				
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PLAN AND PROFILE
600' SCALE MAP NO. 35 BLOCK NO. 18

SCHOOLMASTER PLACE
WATER MAIN REPLACEMENT
CAPITAL PROJECT W-8246
CONTRACT NO. 44-4020
ELECTION DISTRICT NO. 5
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 2 OF 2