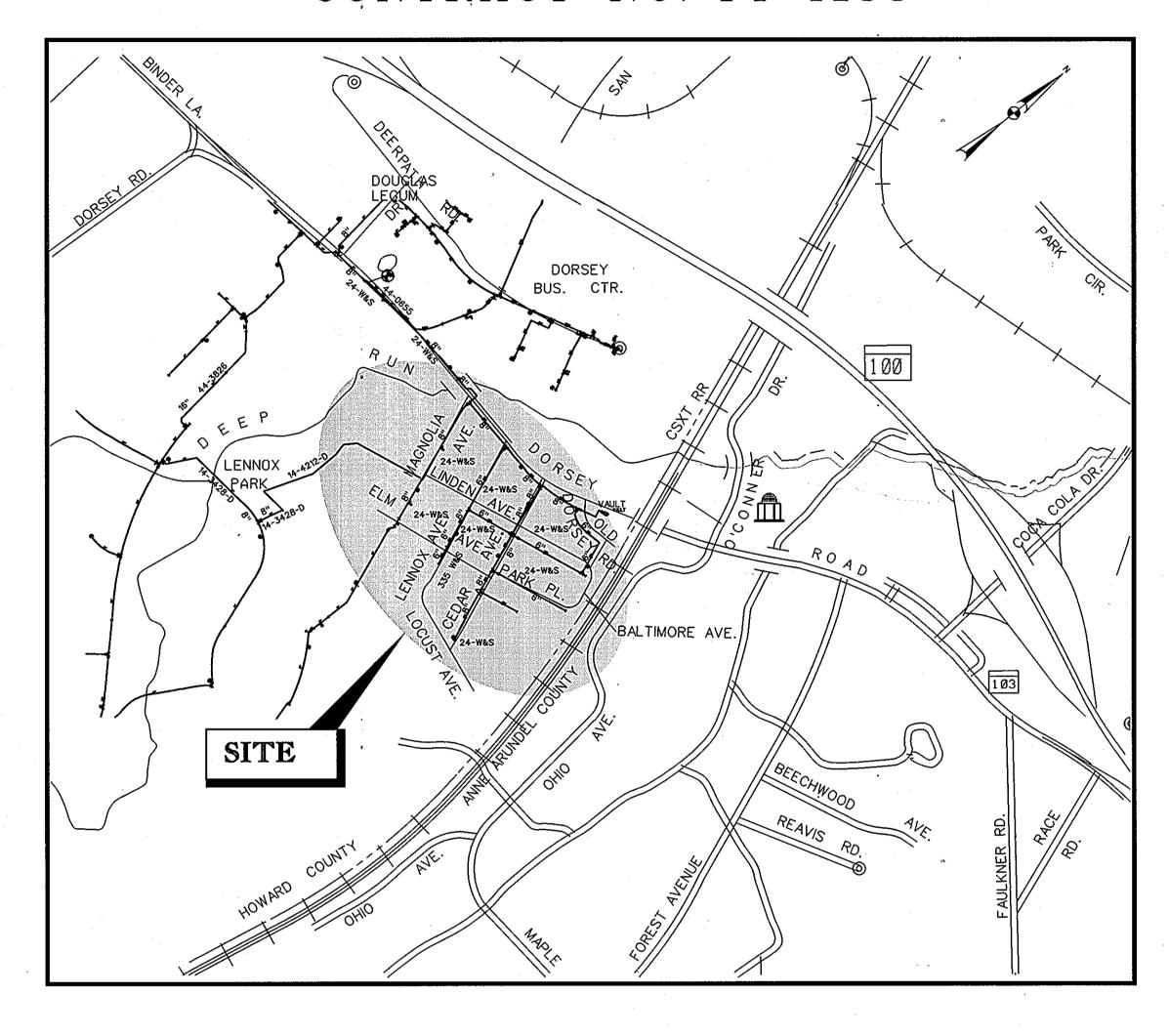
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS CAPITAL PROJECT W-8256 CONTRACT NO. 44-4138

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 SERVICE. 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, NAD 83/91
- 3. ALL VERTICAL CONTROLS ARE BASED ON NAVD 88.
- 4. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED ON PLANS.
- 5. CLEAR ALL UTILITIES BY A MINIMUM OF 12". CLEAR ALL POLES BY 2'-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
- 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 HAVE A COPY OF VOLUME IV ON THE JOB.
- 7. WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY ARE NOTED BY THE SYMBOL SAT 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.
- 8. CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS: BG&E (CONTRACTOR SERVICES).....410-850-4620 BG&E - UNDERGROUND DAMAGE CONTROL.....410-787-9068 BUREAU OF UTILITIES410-313-4900 VERIZON1-800-743-0033/410-224-9210 COLONIAL PIPELINE CO.410-795-1390 MISS UTILITY1-800-257-7777 STATE HIGHWAY ADMINISTRATION410-531-5533
- 9. 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.
- 10. 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.
- 11. THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410)313-7450 AT LEAST FIVE WORKING DAYS BEFORE ANY OPEN CUTTING OR BORING AND JACKING OF ANY COUNTY ROAD FOR LAYING WATER MAINS/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.114 (a) OF HOWARD COUNTY CODE.
- 12. ALL WATER MAINS SHALL BE D.I.P CLASS 54 UNLESS OTHERWISE NOTED.
- 13. TOPS OF ALL WATER MAINS SHALL HAVE A MINIMUM OF 3'-6" OF COVER UNLESS OTHERWISE NOTED.
- 14. VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
- 15. ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS.
- 16. FIRE HYDRANTS SHALL BE SET TO 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.
- 17. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
- 18. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE VARIOUS BUSINESSES AND COORDINATING HIS WORK ACTIVITIES SO AS NOT TO NEGATIVELY IMPACT CONNECTED CUSTOMERS. THE REHABILITATION OF WATER MAIN SHALL CAUSE MINIMUM DISTURBANCE TO THE EXISTING BUSINESSES AND NOTIFICATION TO THE BUSINESS OF ANY "INTERRUPTION THAT THE CONTRACTOR NOTIFY EACH BUSINESS AFFECTED BY LETTER OR DOOR TAGS OF SERVICE" SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE COUNTY REQUIRES OF THE IMPENDING SERVICE INTERRUPTION AT LEAST 48 HOURS IN ADVANCE OF THE PLANNED INTERRUPTION.
- 19. THE CONTRACTOR SHALL NOTIFY THE BUREAU OF UTILITIES HOWARD COUNTY, AT LEAST 15 DAYS PRIOR TO WATER MAIN SHUT DOWNS.
- 20. THE CONTRACTOR SHALL RETURN ALL SALVAGED FIRE HYDRANTS, FRAMES AND COVERS, VALVES, ROADWAY BOXES TO THE BUREAU OF UTILITIES AT 8250 OLD MONTGOMERY RD. COLUMBIA. MD 21045.
- 21. THE CONTRACTOR SHALL PROVIDE SURVEY CONSTRUCTION STAKEOUT FOR ALL NECESSARY LINES, GRADES AND ELEVATION OF THE PROPOSED FACILITIES.
- 22. THE CONTRACTOR TO PROVIDE STAGING/STORAGE AREA.



LOCATION MAP

TYPE OF BUILDINGS: RESIDENTIAL NUMBER OF PARCELS: N/A NUMBER OF WATER CONNECTIONS: N/A DRAINAGE AREA: PATAPSCO WWTP WATER PRESSURE ZONE: 400

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME. AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 20453 EXPIRATION DATE: 5-18-2010

LEGEND

WATER MAIN - TO BE CLEANED

TEMPORARY WATER MAIN FIRE HYDRANT WATER HOUSE CONNECTION WATER METER/SERVICE EXISTING FIRE HYDRANT EXISTING VALVE EXISTING WATER MAIN EXISTING SANITARY SEWER EXISTING WATER HOUSE CONNECTION EXISTING WATER METER

INDEX OF SHEETS

DESCRIPTION SHEET No. ···· TITLE SHEET ···CLEANING, LINING TEMPORARY WATER MAIN-PLANCONTRACT 24 W & S SHEET 2 OF 9 ······CONTRACT 24 W & S SHEET 3 OF 9 ··CONTRACT 24 W & S SHEET 4 OF 9 7CONTRACT 24 W & S SHEET 5 OF 9 ··CONTRACT 24 W & S SHEET 6 OF 9 ··CONTRACT 335 W & S SHEET 1 OF 2 ·· CONTRACT 335 W & S SHEET 2 OF 2

.. CONTRACT 14-3435 SHEET 1 OF 1

12contract 90 W

... CONTRACT 1207

ITEM	UNIT	ESTIMATE	AS-BUILT	MATERIAL SUPPLIER	
			,		
CLEAN & LINE WATER MAIN	L.F.	7085		MAINLINE SERVICE, INC.	
6" VALVE	EA.	5	5	MUELLER CO. MUELLER CO	
8" VALVE	EA.	1	4		
FH + 6"VALVE	EA.	11	12	MUELLER CO	
NAME OF UTILIT	Y CONTR	ACTOR:	Mall	NLINE SERVICE, INC.	
NAME OF BITTET		<u> </u>	квох		
			UILT DATE:	12/17/2009	
		1.00		YEY AND DRAFTING DIVISION	

CONSTRUCTION NOTES

- ALL SLEEVE PIPE CONNECTIONS SHALL BE MADE IN ACCORDANCE WITH THE DETAIL
- SCHEMATIC INFORMATION PROVIDED ON SHEET 2 IS FROM HOWARD COUNTY GIS RECORDS. RECORD DRAWINGS ARE FURNISHED TO PROVIDE THE BEST AVAILABLE INFORMATION PERTAINING TO EXISTING WATER MAINS ONLY. THE COUNTY AND ITS ENGINEER, KCI TECHNOLOGIES, INC., DO NOT GUARANTEE THE COMPLETENESS OR ACCURACY OF INFORMATION CONTAINED THEREON. INDIVIDUAL WATER SERVICE CONNECTIONS ARE SHOWN FROM HOWARD COUNTY RECORDS. THE COUNTY AND ITS ENGINEER. KCI TECHNOLOGIES, INC., DO NOT GUARANTEE THE INTERPRETATION OF RECORD DATA, COMPLETENESS, OR ACCURACY OF THE INFORMATION SHOWN. RECORD INFORMATION FOR WATER SERVICE CONNECTIONS IS PROVIDED. WHERE AVAILABLE, IN APPENDIX D OF THE CONTRACT SPECIFICATIONS, NO TOPOGRAPHIC SURVEY NOR SUBSURFACE INVESTIGATIONS WERE PERFORMED FOR THIS CONTRACT. NO DETAILED VERIFICATION WAS MADE OF PIPE SIZES, LOCATIONS, FITTINGS, HYDRANTS, OR SERVICE CONNECTIONS, THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR EXISTING UTILITY NOTIFICATIONS, DESIGNATIONS, AND FOR ESTABLISHING LOCATIONS OF EXISTING UTILITIES PRIOR TO PERFORMING ANY EXCAVATION.
- THE CONTRACTOR SHALL DEVELOP AND SUBMIT TO HOWARD COUNTY FOR APPROVAL. A DETAILED SCHEDULE FOR TEMPORARY SYSTEM SHUTDOWNS AND FOR INSTALLATION OF TEMPORARY BYPASS PIPING TO MAINTAIN UNINTERRUPTED WATER SERVICE DURING SYSTEM SHUTDOWN(S).
- WORK ADJACENT TO OVERHEAD ELECTRIC FACILITIES IS SUBJECT TO THE PROVISIONS OF THE MARYLAND HIGH VOLTAGE LINE ACT.
- DO NOT DISTURB EXISTING PIPE AND BENDS IN STREAM BANKS AND IN STREAM CROSSING. FOR AS-BUILT DRAWINGS DATED MAY, 1963 OF THIS AREA SEE CONTRACT 24 W&S. SHEETS 3 & 4.
- ACCESS PITS FOR CLEANING AND LINING SHALL ONLY BE EXCAVATED AT ROADWAY PAVING LEVEL. NO WORK WILL BE PERMITTED IN ROADWAY EMBANKMENT OR STREAM
- MSHA ACCESS PERMIT IS REQUIRED FOR ALL EXCAVATIONS AND CONSTRUCTION OBSTRUCTION IN THE MD ROUTE 103 (DORSEY ROAD) RIGHT-OF-WAY.

DEPARTMENT OF PUBLIC WORKS

HOWARD COUNTY, MARYLAND



SCIENTISTS CONSTRUCTION MANAGERS 10 North Park Drive Hunt Valley, MD 21030 PHONE: (410) 316-7800 Fax: (410) 316-7817



.20	10				-
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	DRN: LN				
	CHK: TLF	<u> </u>			
	CHK: ILF	1 200,1	Δ.	22 7 11 11	10/15/20
08	DATE: APR.08	LFN BY	NO.	AS BUILT REVISION	12/17/200 DATE
		DI	110.	REVISION	DAIL

SHEET

600' SCALE MAP NO. 43 BLOCK NO. 6

LENNOX PARK WATER MAIN REHABILITATION

> CAPITAL PROJECT No. W-8256 CONTRACT No. 44-4138 **ELECTION DISTRICT No. 01**

SCALE AS SHOWN SHEET

