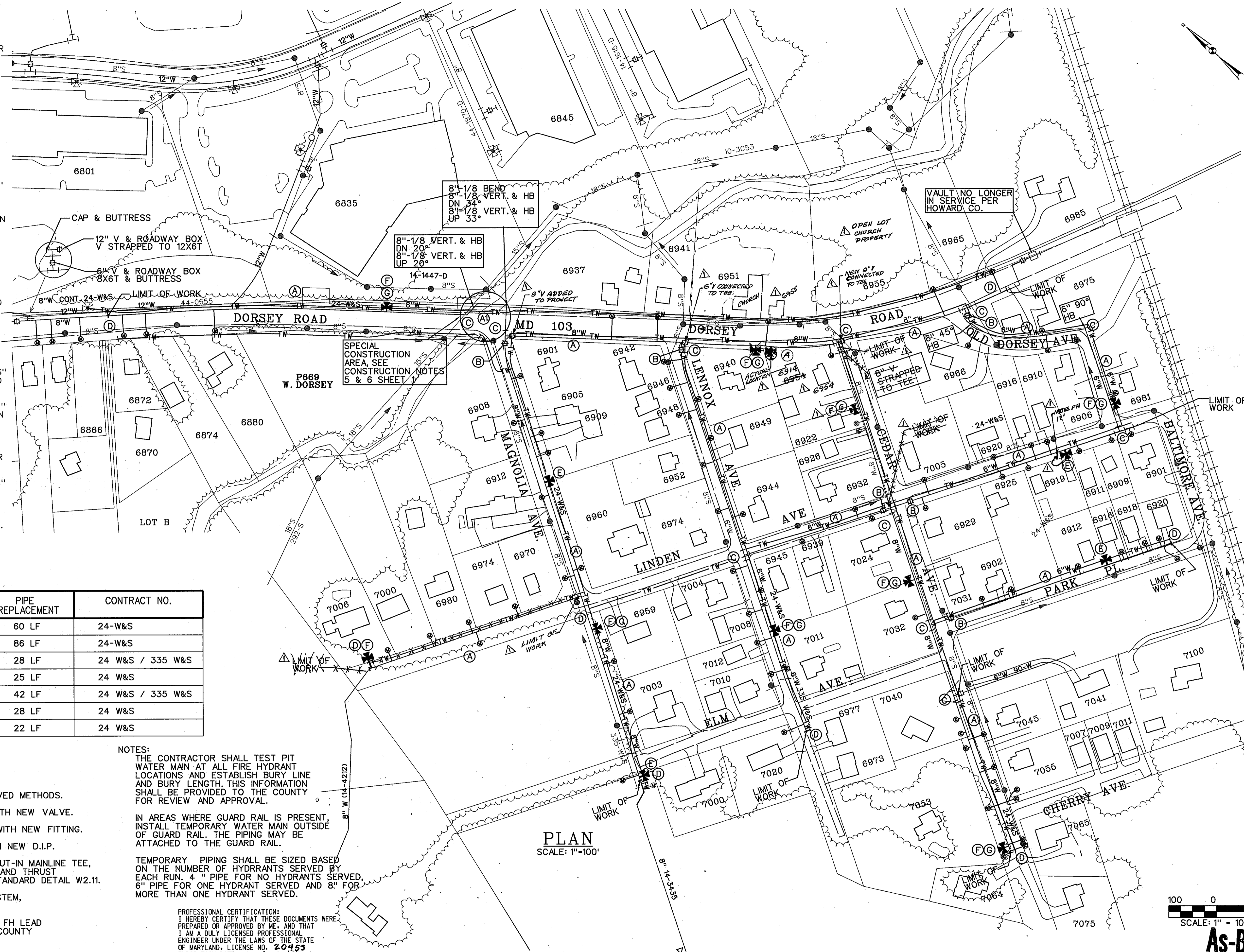


SUGGESTED SEQUENCE OF CONSTRUCTION:

1. INSTALL ALL TEMPORARY WATER AS SHOWN
2. CHARGE AND TEST TEMPORARY WATER PIPING
3. CLEAN, LINE, AND INSTALL NEW FIRE HYDRANTS ON 8" WATER MAIN IN DORSEY RD. WEST, MAGNOLIA AVE. AND THE 7000 BLOCK OF LINDEN AVE.
4. CLEAN, LINE, AND INSTALL NEW HYDRANTS ON DORSEY RD. 8" WATER MAIN FROM INTERSECTION OF MAGNOLIA AVE. TO LENNOX AVE.
5. FILL IN ACCESS PITS ON MAGNOLIA AVE.
6. MAKE NECESSARY ACCESS PITS DOWN LENGTH OF LINDEN AVE (B&C).
7. CREATE ACCESS PITS AT INTERSECTIONS OF DORSEY RD. WITH CEDAR AVE. AND OLD DORSEY AVE.
8. CLEAN, LINE, AND INSTALL NEW HYDRANTS ON LINDEN AVE. 6" WATER MAIN FROM INTERSECTION OF LENNOX AVE. TO CEDAR AVE.
9. CLEAN, LINE, AND INSTALL NEW HYDRANTS ON 8" WATER MAIN OF DORSEY RD. FROM INTERSECTION OF LENNOX AVE. TO CEDAR AVE.
10. CLEAN, LINE, AND INSTALL NEW HYDRANTS ON LENNOX AVE. 6" WATER MAIN.
11. FILL IN ACCESS PITS ON LENNOX AVE.
12. CLEAN, LINE, AND INSTALL NEW HYDRANTS ON DORSEY RD. 8" WATER MAIN FROM INTERSECTION OF CEDAR AVE. TO OLD DORSEY AVE.
13. CLEAN, LINE, AND INSTALL NEW HYDRANTS ON OLD DORSEY AVE. 6" WATER MAIN.
14. FILL IN ACCESS PITS ON DORSEY RD.
15. CLEAN, LINE, AND INSTALL NEW HYDRANTS ON LINDEN AVE. 6" WATER MAIN FROM INTERSECTIONS OF OLD DORSEY AVE. TO CEDAR AVE.
16. CLEAN, LINE, AND INSTALL NEW HYDRANTS ON CEDAR AVE. 8" WATER MAIN FROM INTERSECTION OF DORSEY RD. TO LINDEN AVE.
17. FILL IN ACCESS PITS ON OLD DORSEY AVE.
18. MAKE NECESSARY ACCESS PITS DOWN REMAINDER OF CEDAR AVE (C&O).
19. CLEAN, LINE, AND INSTALL NEW HYDRANTS ON CEDAR AVE. 8" WATER MAIN.
20. MAKE NECESSARY ACCESS PIT FOR PARK PL. AVE.
21. CLEAN, LINE, AND INSTALL NEW HYDRANTS ON PARK PL. AVE. 6" WATER MAIN.
22. FILL IN ACCESS PITS ON CEDAR AVE. AND PARK PL.
23. CHARGE AND TEST ALL WATER MAINS AND RETURN IN SERVICE, DISCONNECT TEMPORARY WATER.



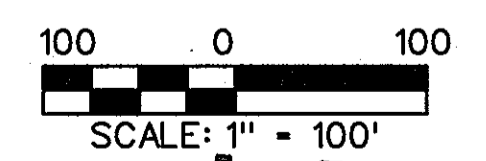
ROAD	WATER REHAB.	W.H.C.	NEW F.H.	NEW VALVES	PIPE REPLACEMENT	CONTRACT NO.
CEDAR AVE.	800 LF	11	02	00	60 LF	24-W&S
DORSEY RD. (MD 103)	2000 LF	09	02	00	86 LF	24-W&S
LENNOX AVE.	870 LF	12	01	01	28 LF	24 W&S / 335 W&S
LINDEN AVE.	1365 LF	18	01	02	25 LF	24 W&S
MAGNOLIA RD.	990 LF	09	03	01	42 LF	24 W&S / 335 W&S
OLD DORSEY AVE.	520 LF	04	01	01	28 LF	24 W&S
PARK PL.	540 LF	07	01	01	22 LF	24 W&S

- WORK ITEMS:**
- (A) CLEAN AND LINE WATER MAIN.
 - (A) CLEAN EXISTING WATER MAIN USING SPECIAL SCRAPERS AND LINE USING SPRAY-ON, OR OTHER COUNTY APPROVED METHODS.
 - (B) ACCESS PIT, REMOVE AND REPLACE EXISTING VALVE WITH NEW VALVE.
 - (C) ACCESS PIT, REMOVE AND REPLACE EXISTING FITTING WITH NEW FITTING.
 - (D) ACCESS PIT, REMOVE AND REPLACE EXISTING D.I.P. WITH NEW D.I.P.
 - (E) FURNISH AND INSTALL NEW FIRE HYDRANT INCLUDING: CUT-IN MAINLINE TEE, VALVE AND ROADWAY BOX, CONNECTING 6-INCH D.I.P., AND THRUST RESTRAINTS IN ACCORDANCE WITH HOWARD COUNTY STANDARD DETAIL W2.11.
 - (F) PROVIDE TEMPORARY HYDRANT FED FROM BYPASS SYSTEM, ADJACENT TO EXISTING HYDRANT.
 - (G) FURNISH AND INSTALL NEW FIRE HYDRANT, VALVE AND FH LEAD TO REPLACE EXISTING IN ACCORDANCE WITH HOWARD COUNTY STANDARD DETAIL W2.11.

NOTES:
 THE CONTRACTOR SHALL TEST PIT WATER MAIN AT ALL FIRE HYDRANT LOCATIONS AND ESTABLISH BURY LINE AND BURY LENGTH. THIS INFORMATION SHALL BE PROVIDED TO THE COUNTY FOR REVIEW AND APPROVAL.
 IN AREAS WHERE GUARD RAIL IS PRESENT, INSTALL TEMPORARY WATER MAIN OUTSIDE OF GUARD RAIL. THE PIPING MAY BE ATTACHED TO THE GUARD RAIL.
 TEMPORARY PIPING SHALL BE SIZED BASED ON THE NUMBER OF HYDRANTS SERVED BY EACH RUN. 4" PIPE FOR NO HYDRANTS SERVED, 6" PIPE FOR ONE HYDRANT SERVED AND 8" FOR MORE THAN ONE HYDRANT SERVED.

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: 5-16-2010

PLAN
 SCALE: 1" = 100'



As-Built

PLOTTED: 01:42 PM on Wednesday, November 12, 2008
 BY: F. Thomas, P.E. Division: 002 Environmental Engineering
 FILE: W-8256-44-4138.dwg

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

[Signature] 12/16/08
 DIRECTOR OF PUBLIC WORKS DATE

[Signature] 11/18/08
 CHIEF, BUREAU OF UTILITIES DATE

[Signature] 11/18/08
 CHIEF, UTILITY DESIGN DIVISION DATE

ENGINEERS
 PLANNERS
 SCIENTISTS
 CONSTRUCTION MANAGERS

KCI
 TECHNOLOGIES

10 NORTH PARK DRIVE
 HUNT VALLEY, MD 21030
 PHONE (410) 316-7800
 FAX (410) 316-7817
 WWW.KCI.COM

11-12-08

DES:	CB
DRN:	LN
CHK:	TLF
DATE:	APR. 08
BY:	NO.
REVISION:	
DATE:	12/17/2008

**CLEANING, LINING AND
 TEMPORARY WATER MAIN
 PLAN**

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
 2 OF 12