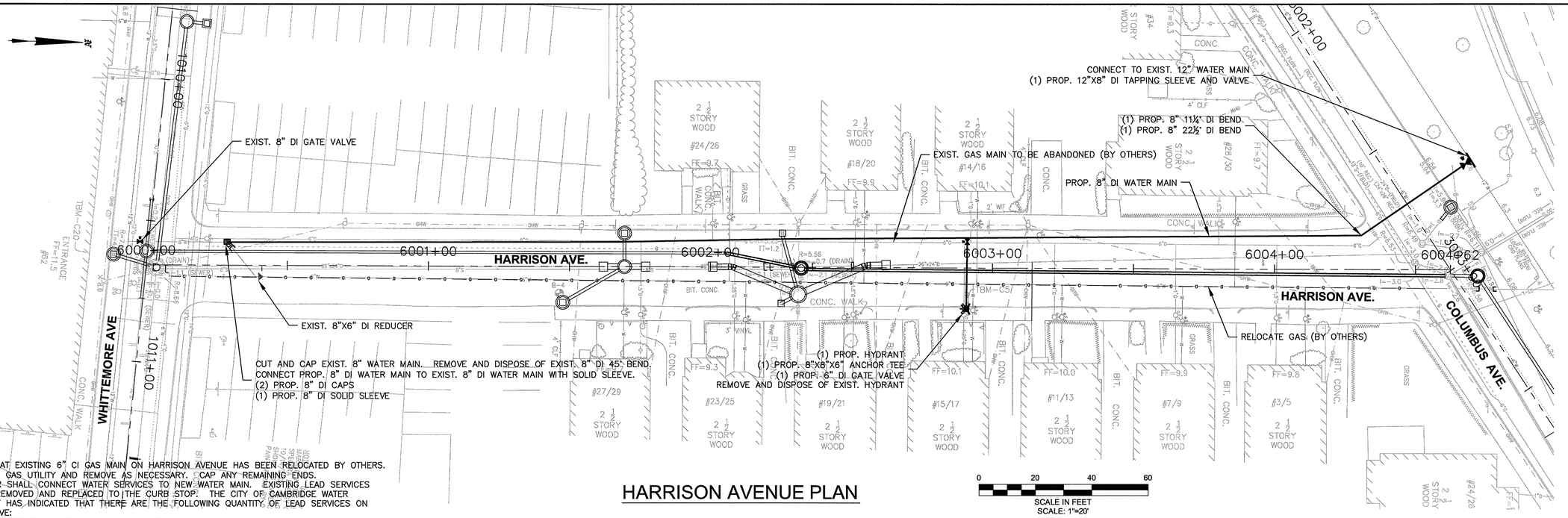
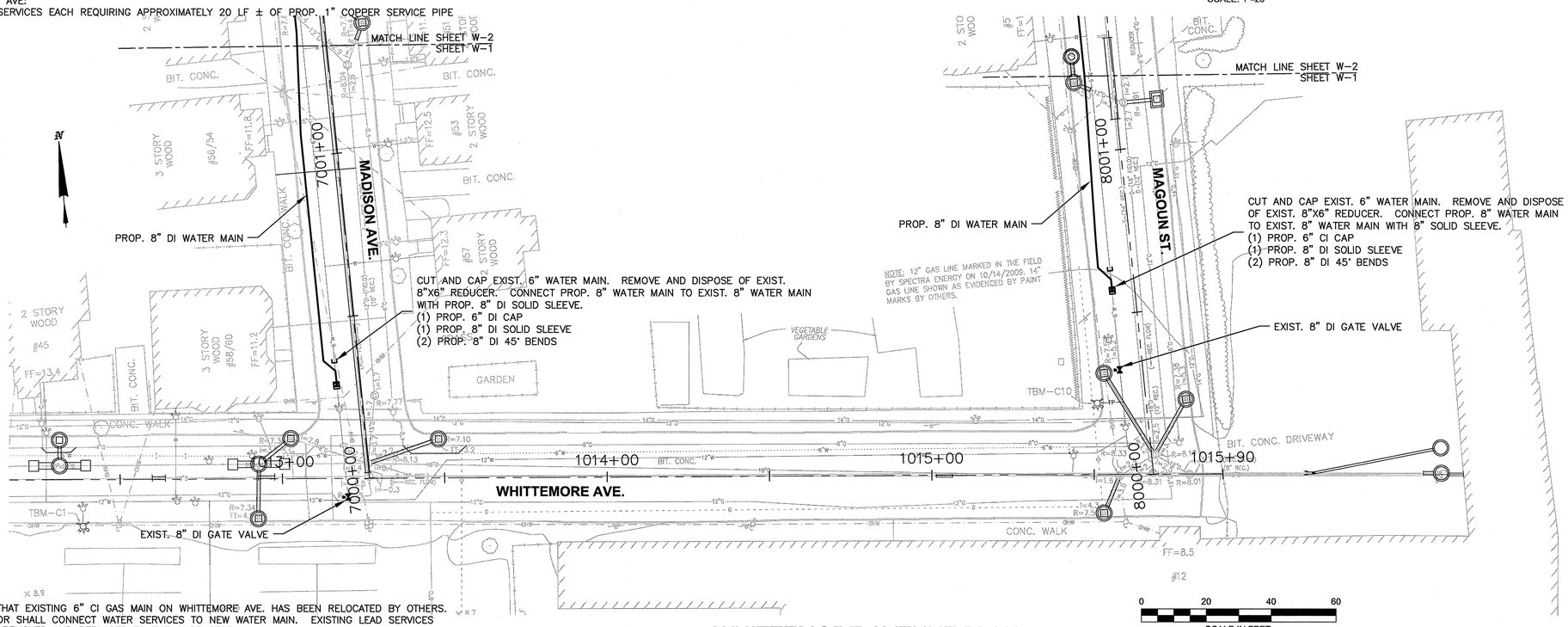


NOTE:

1. CONFIRM THAT EXISTING 6" CI GAS MAIN ON HARRISON AVENUE HAS BEEN RELOCATED BY OTHERS. VERIFY WITH GAS UTILITY AND REMOVE AS NECESSARY. CAP ANY REMAINING ENDS.
2. CONTRACTOR SHALL CONNECT WATER SERVICES TO NEW WATER MAIN. EXISTING LEAD SERVICES SHALL BE REMOVED AND REPLACED TO THE CURB STOP. THE CITY OF CAMBRIDGE WATER DEPARTMENT HAS INDICATED THAT THERE ARE THE FOLLOWING QUANTITY OF LEAD SERVICES ON HARRISON AVE:
   (6) 1" SERVICES EACH REQUIRING APPROXIMATELY 20 LF ± OF PROP. 1" COPPER SERVICE PIPE

HARRISON AVENUE PLAN

0 20 40 60
SCALE IN FEET
SCALE: 1"=20'



NOTE:

1. CONFIRM THAT EXISTING 6" CI GAS MAIN ON WHITTEMORE AVE. HAS BEEN RELOCATED BY OTHERS.
2. CONTRACTOR SHALL CONNECT WATER SERVICES TO NEW WATER MAIN. EXISTING LEAD SERVICES SHALL BE REMOVED AND REPLACED TO THE CURB STOP.

WHITTEMORE AVENUE PLAN

0 20 40 60
SCALE IN FEET
SCALE: 1"=20'

GENERAL WATER MAIN REPLACEMENT NOTES:

THE FOLLOWING NOTES APPLY TO BOTH SHEET W-1 AND W-2.

1. CONTRACTOR SHALL SUPPORT AND PROTECT ALL EXISTING UTILITIES AND SERVICES WHILE INSTALLING WATER MAIN.
2. EXISTING WATER MAINS SHALL REMAIN IN SERVICE UNTIL PROPOSED WATER MAINS HAVE BEEN INSTALLED AND ALL SERVICES CHANGED OVER.
3. BOTH MECHANICALLY RESTRAINED JOINTS AND CONCRETE THRUST BLOCKS ARE REQUIRED AT ALL TEES, REDUCERS AND BENDS.
4. EXISTING COPPER SERVICES SHALL BE RECONNECTED TO THE PROPOSED WATER MAIN WITH 1" DIAMETER COPPER SERVICE PIPE. CONTRACTOR SHALL PROVIDE ADAPTORS, REDUCERS AND BENDS AS REQUIRED.
5. EXISTING LEAD AND BRASS SERVICES SHALL BE REPLACED UP TO AND INCLUDING CURB STOP. NEW SERVICES SHALL BE 1" DIAMETER, AND CONTRACTOR SHALL PROVIDE REDUCERS AND ADAPTERS AS NECESSARY TO CONNECT NEW CURB STOPS TO SMALLER EXISTING SERVICES. CONTRACTOR SHALL COORDINATE WITH THE CAMBRIDGE WATER DEPARTMENT TO OFFER THEIR SERVICES TO PROPERTY OWNERS FOR REPLACEMENT OF LEAD OR BRASS SERVICES FROM THE CURB STOP TO THE WATER METER.
6. UNLESS OTHERWISE NOTED, WATER MAINS SHALL BE INSTALLED WITH MINIMUM 5' COVER.
7. CONTRACTOR SHALL PROVIDE 1" CHLORINATION TAP AT ALL LOCATIONS WHERE PROP. WATER MAIN CONNECTS TO EXISTING WATER MAIN.

CONFORMED SET

SEA CONSULTANTS INC.
Scientists/Engineers/Architects
CAMBRIDGE, MASSACHUSETTS CONCORD, NEW HAMPSHIRE
ROCKY HILL, CONNECTICUT AUGUSTA, MAINE
FRAMINGHAM, MASSACHUSETTS

MWH
BOSTON
MASSACHUSETTS

COMMONWEALTH OF MASSACHUSETTS
VINCENT W. SPADA
SANITARY
No. 31436
REGISTERED
PROFESSIONAL ENGINEER

Scale	1"=20'
Date	JANUARY 15, 2010
Job No.	1006250
Designed by	MBS
Drawn by	MBS
Checked by	DPS
Approved by	TMS

No.	Description	Date
	REVISIONS	

THE WORKS — CAMBRIDGE DEPARTMENT OF PUBLIC WORKS

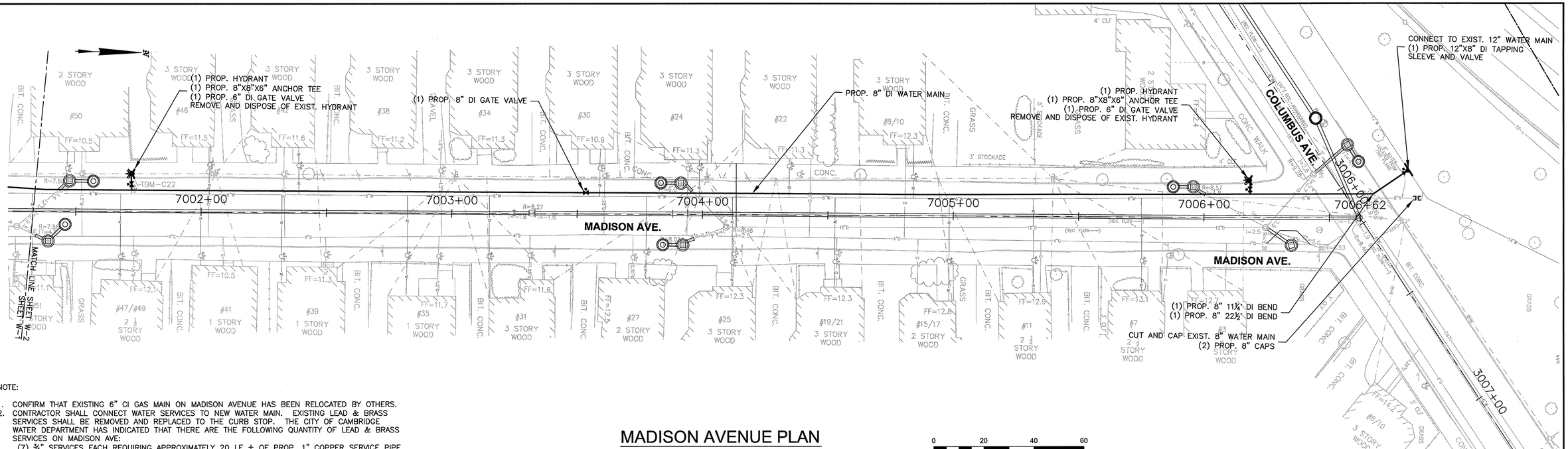
CITY OF CAMBRIDGE, MA

ALEWIFE BROOK FLOATABLES CONTROL (CONTRACT 4) AND CAM 400 SEWER SEPARATION PROJECT (CONTRACT 13)

WATER MAIN REPLACEMENT PLAN
HARRISON AVE & WHITTEMORE AVE

Sheet No. W-1
37 OF 102

File No.



NOTE:

1. CONFIRM THAT EXISTING 6" CI GAS MAIN ON MADISON AVENUE HAS BEEN RELOCATED BY OTHERS.
2. CONTRACTOR SHALL CONNECT WATER SERVICES TO NEW WATER MAIN. EXISTING LEAD & BRASS SERVICES SHALL BE REMOVED AND REPLACED TO THE CURB STOP. THE CITY OF CAMBRIDGE WATER DEPARTMENT HAS INDICATED THAT THERE ARE THE FOLLOWING QUANTITY OF LEAD & BRASS SERVICES ON MADISON AVE:
   (7) ¾" SERVICES EACH REQUIRING APPROXIMATELY 20 LF ± OF PROP. 1" COPPER SERVICE PIPE
   (7) 1" SERVICES EACH REQUIRING APPROXIMATELY 20 LF ± OF PROP. 1" COPPER SERVICE PIPE

MADISON AVENUE PLAN

NOTE:

1. CONFIRM THAT EXISTING 6" CI GAS MAIN ON MAGOUN STREET HAS BEEN RELOCATED BY OTHERS.
2. CONTRACTOR SHALL CONNECT WATER SERVICES TO NEW WATER MAIN. EXISTING LEAD SERVICES SHALL BE REMOVED AND REPLACED TO THE CURB STOP. THE CITY OF CAMBRIDGE WATER DEPARTMENT HAS INDICATED THAT THERE ARE THE FOLLOWING QUANTITY OF LEAD SERVICES ON MAGOUN ST.:
   (6) ¾" SERVICES EACH REQUIRING APPROXIMATELY 20 LF ± OF PROP. 1" COPPER SERVICE PIPE
   (2) 1" SERVICES EACH REQUIRING APPROXIMATELY 20 LF ± OF PROP. 1" COPPER SERVICE PIPE

MAGOUN STREET PLAN

CONFORMED SET

SEA CONSULTANTS INC.
Scientists/Engineers/Architects
CAMBRIDGE, MASSACHUSETTS CONCORD, NEW HAMPSHIRE
ROCKY HILL, CONNECTICUT AUGUSTA, MAINE
FRAMINGHAM, MASSACHUSETTS

MWH
BOSTON
MASSACHUSETTS

COMMONWEALTH OF MASSACHUSETTS
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THE WORKS
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CITY OF CAMBRIDGE, MA

ALEWIFE BROOK FLOATABLES CONTROL (CONTRACT 4) AND CAM 400 SEWER SEPARATION PROJECT (CONTRACT 13)

WATER MAIN REPLACEMENT PLAN
MADISON AVE & MAGOUN ST

Sheet No. W-2
38 OF 102
File No.