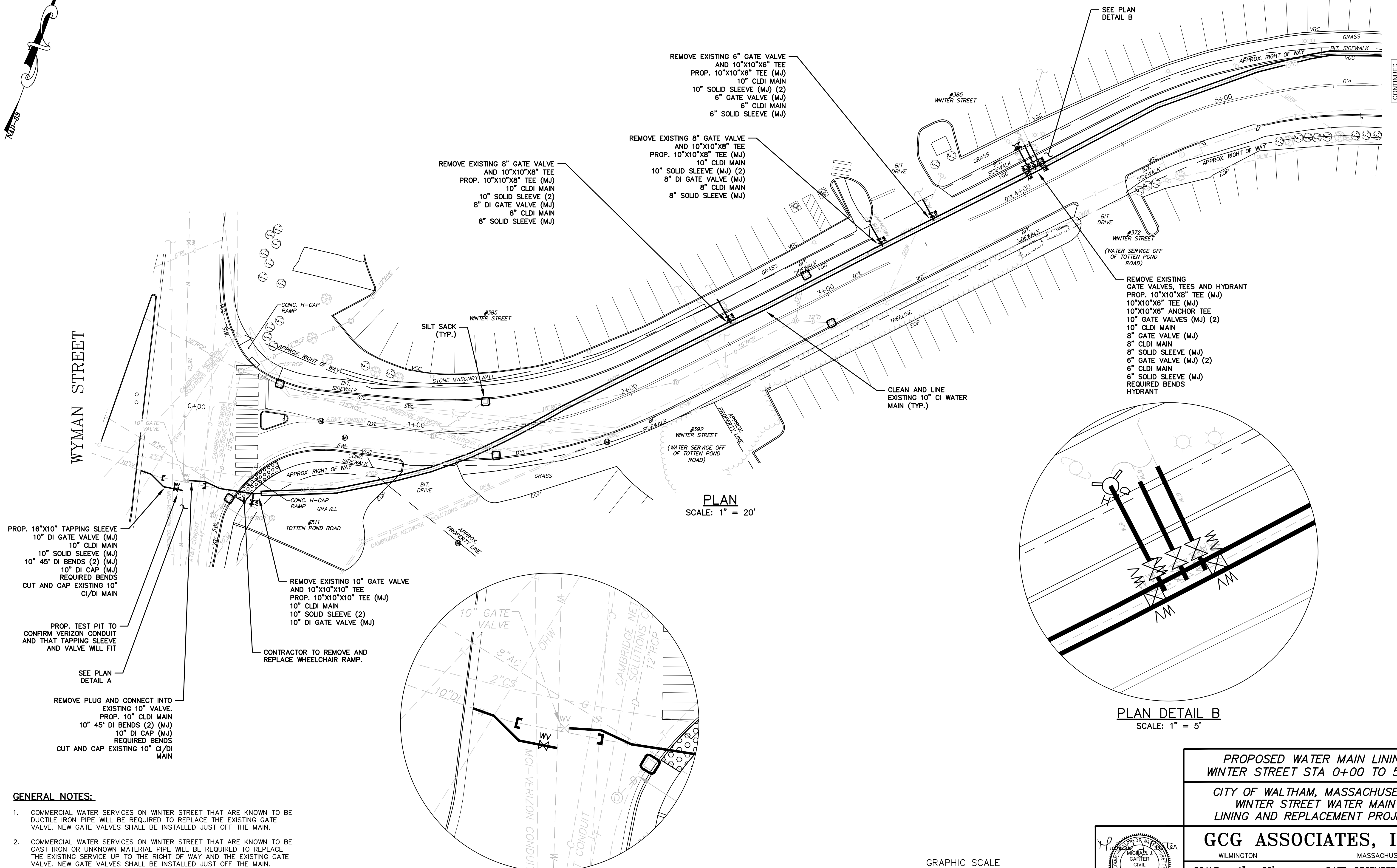
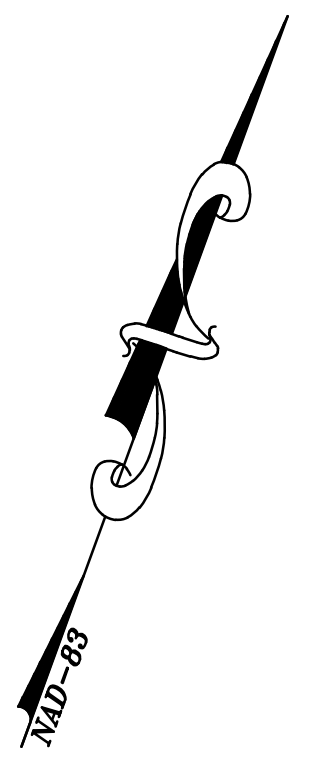
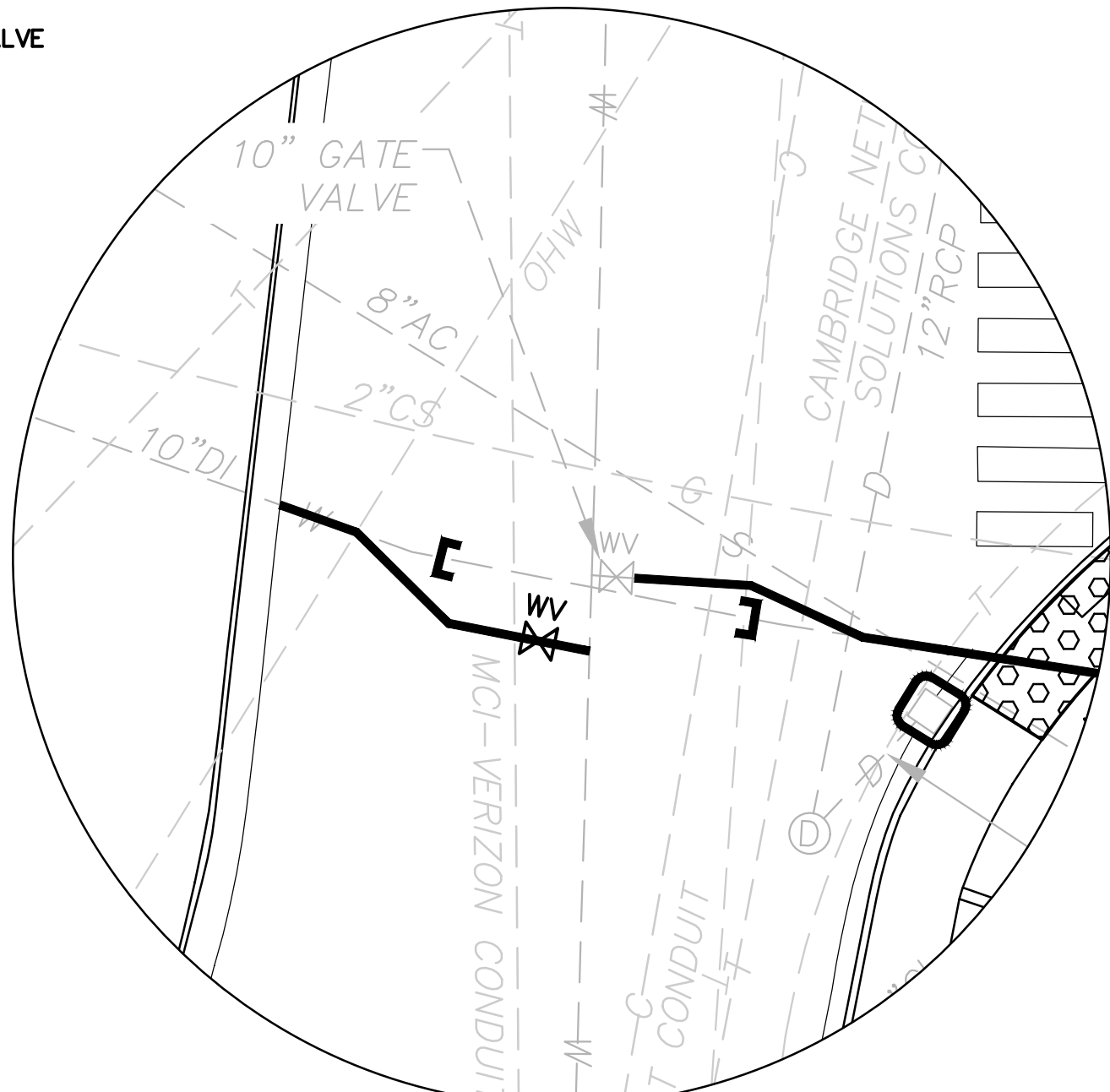


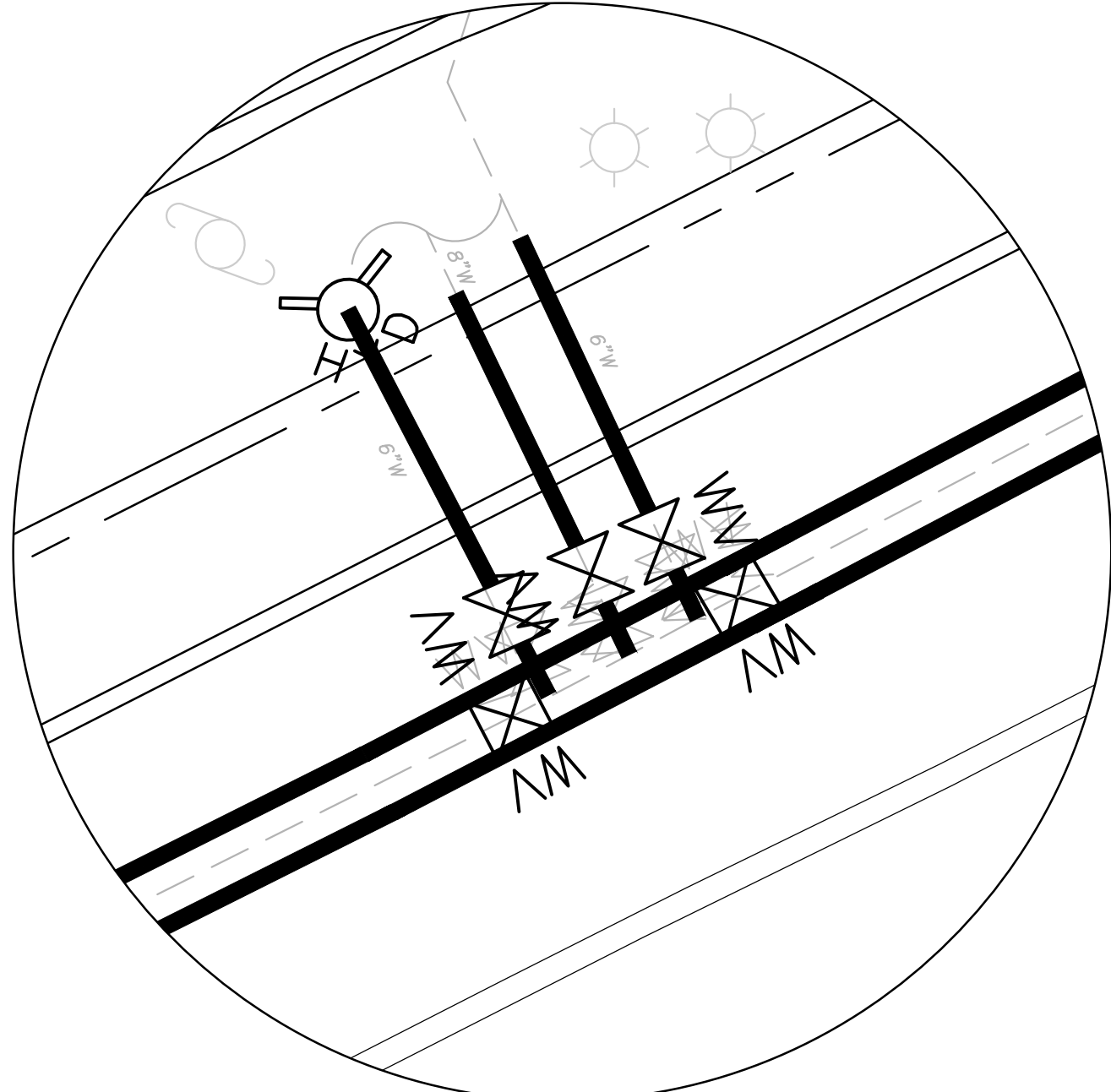
# W I N T E R S T R E E T



**PLAN**  
SCALE: 1" = 20'



**PLAN DETAIL A**  
SCALE: 1" = 10'



**PLAN DETAIL B**  
SCALE: 1" = 5'

PROP. 16"x10" TAPPING SLEEVE  
10" DI GATE VALVE (MJ)  
10" CLDI MAIN  
10" SOLID SLEEVE (MJ)  
10" 45" DI BENDS (2) (MJ)  
10" DI CAP (MJ)  
REQUIRED BENDS  
CUT AND CAP EXISTING 10" CI/DI MAIN

PROP. TEST PIT TO CONFIRM VERIZON CONDUIT AND THAT TAPPING SLEEVE AND VALVE WILL FIT

SEE PLAN DETAIL A

REMOVE PLUG AND CONNECT INTO EXISTING 10" VALVE.  
PROP. 10" CLDI MAIN  
10" 45" DI BENDS (2) (MJ)  
10" DI CAP (MJ)  
REQUIRED BENDS  
CUT AND CAP EXISTING 10" CI/DI MAIN

REMOVE EXISTING 10" GATE VALVE AND 10"x10"x10" TEE  
PROP. 10"x10"x10" TEE (MJ)  
10" CLDI MAIN  
10" SOLID SLEEVE (2)  
10" DI GATE VALVE (MJ)

CONTRACTOR TO REMOVE AND REPLACE WHEELCHAIR RAMP.

REMOVE EXISTING 8" GATE VALVE AND 10"x10"x8" TEE  
PROP. 10"x10"x8" TEE (MJ)  
10" CLDI MAIN  
10" SOLID SLEEVE (2)  
8" DI GATE VALVE (MJ)  
8" CLDI MAIN  
8" SOLID SLEEVE (MJ)

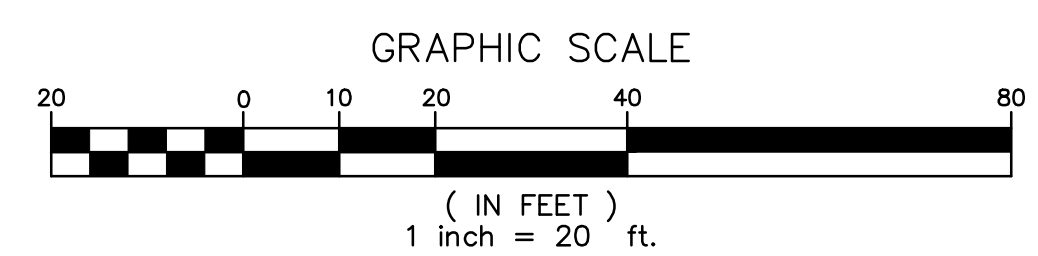
REMOVE EXISTING 8" GATE VALVE AND 10"x10"x8" TEE  
PROP. 10"x10"x8" TEE (MJ)  
10" CLDI MAIN  
10" SOLID SLEEVE (MJ) (2)  
8" DI GATE VALVE (MJ)  
8" CLDI MAIN  
8" SOLID SLEEVE (MJ)

REMOVE EXISTING 6" GATE VALVE AND 10"x10"x6" TEE  
PROP. 10"x10"x6" TEE (MJ)  
10" CLDI MAIN  
10" SOLID SLEEVE (MJ) (2)  
6" GATE VALVE (MJ)  
6" CLDI MAIN  
6" SOLID SLEEVE (MJ)

REMOVE EXISTING GATE VALVES, TEES AND HYDRANT  
PROP. 10"x10"x8" TEE (MJ)  
10"x10"x6" TEE (MJ)  
10"x10"x6" ANCHOR TEE  
10" GATE VALVES (MJ) (2)  
10" CLDI MAIN  
8" GATE VALVE (MJ)  
8" CLDI MAIN  
8" SOLID SLEEVE (MJ)  
6" GATE VALVE (MJ) (2)  
6" CLDI MAIN  
6" SOLID SLEEVE (MJ)  
REQUIRED BENDS  
HYDRANT

**GENERAL NOTES:**

1. COMMERCIAL WATER SERVICES ON WINTER STREET THAT ARE KNOWN TO BE DUCTILE IRON PIPE WILL BE REQUIRED TO REPLACE THE EXISTING GATE VALVE. NEW GATE VALVES SHALL BE INSTALLED JUST OFF THE MAIN.
2. COMMERCIAL WATER SERVICES ON WINTER STREET THAT ARE KNOWN TO BE CAST IRON OR UNKNOWN MATERIAL PIPE WILL BE REQUIRED TO REPLACE THE EXISTING SERVICE UP TO THE RIGHT OF WAY AND THE EXISTING GATE VALVE. NEW GATE VALVES SHALL BE INSTALLED JUST OFF THE MAIN.
3. ALL SECTIONS OF NEW CLDI WATER MAIN OR SERVICES 15 FEET OR GREATER IN LENGTH SHALL REQUIRE PRESSURE TESTING, CHLORINATION, DISINFECTION AND WATER QUALITY SAMPLING.

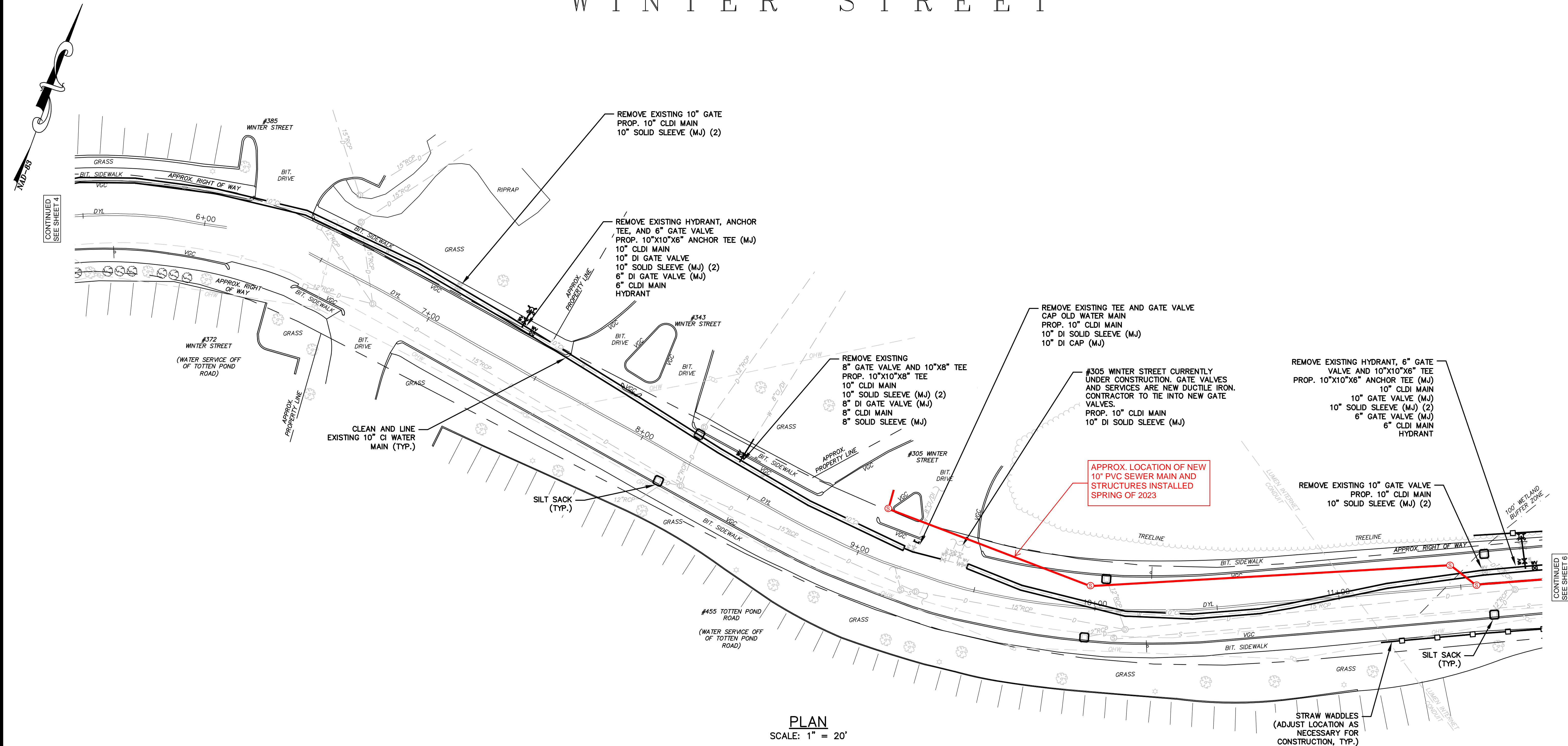


PROPOSED WATER MAIN LINING WINTER STREET STA 0+00 TO 5+50		
CITY OF WALTHAM, MASSACHUSETTS WINTER STREET WATER MAIN LINING AND REPLACEMENT PROJECT		
<b>GCG ASSOCIATES, INC.</b> WILMINGTON MASSACHUSETTS		
SCALE: 1" = 20'	DATE: DECEMBER 12, 2022	
JOB NO. \FILE NAME:	DESIGNED BY: K.M.C.	PLAN NO.
21102 - BID SET	DRAWN BY: L.P.B.	4 OF 30
	CHECKED BY: M.J.C.	

CONTINUED (SEE SHEET 5)

21102 - BID SET.dwg Saved: 12/12/2022 11:47 AM Plotted: Dec 12, 2022 11:52 am

# W I N T E R   S T R E E T

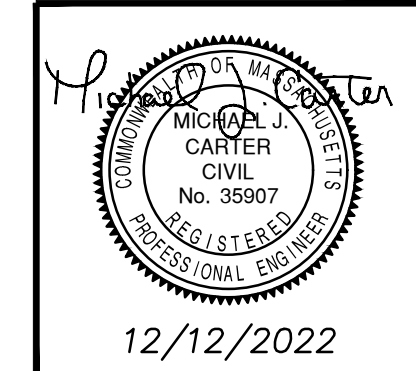
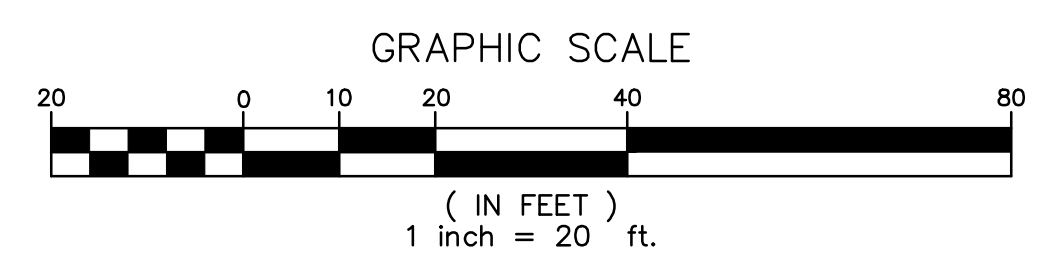


**PLAN**  
SCALE: 1" = 20'

NOTE: DEVELOPMENT AT 305 WINTER STREET INSTALLED A NEW 10" PVC SEWER MAIN ALONG WINTER STREET. REFER TO SK-4 PRODUCED BY ALLEN & MAJOR ASSOCIATES.

**GENERAL NOTES:**

1. COMMERCIAL WATER SERVICES ON WINTER STREET THAT ARE KNOWN TO BE DUCTILE IRON PIPE WILL BE REQUIRED TO REPLACE THE EXISTING GATE VALVE. NEW GATE VALVES SHALL BE INSTALLED JUST OFF THE MAIN.
2. COMMERCIAL WATER SERVICES ON WINTER STREET THAT ARE KNOWN TO BE CAST IRON OR UNKNOWN MATERIAL PIPE WILL BE REQUIRED TO REPLACE THE EXISTING SERVICE UP TO THE RIGHT OF WAY AND THE EXISTING GATE VALVE. NEW GATE VALVES SHALL BE INSTALLED JUST OFF THE MAIN.
3. ALL SECTIONS OF NEW CLDI WATER MAIN OR SERVICES 15 FEET OR GREATER IN LENGTH SHALL REQUIRE PRESSURE TESTING, CHLORINATION, DISINFECTION AND WATER QUALITY SAMPLING.

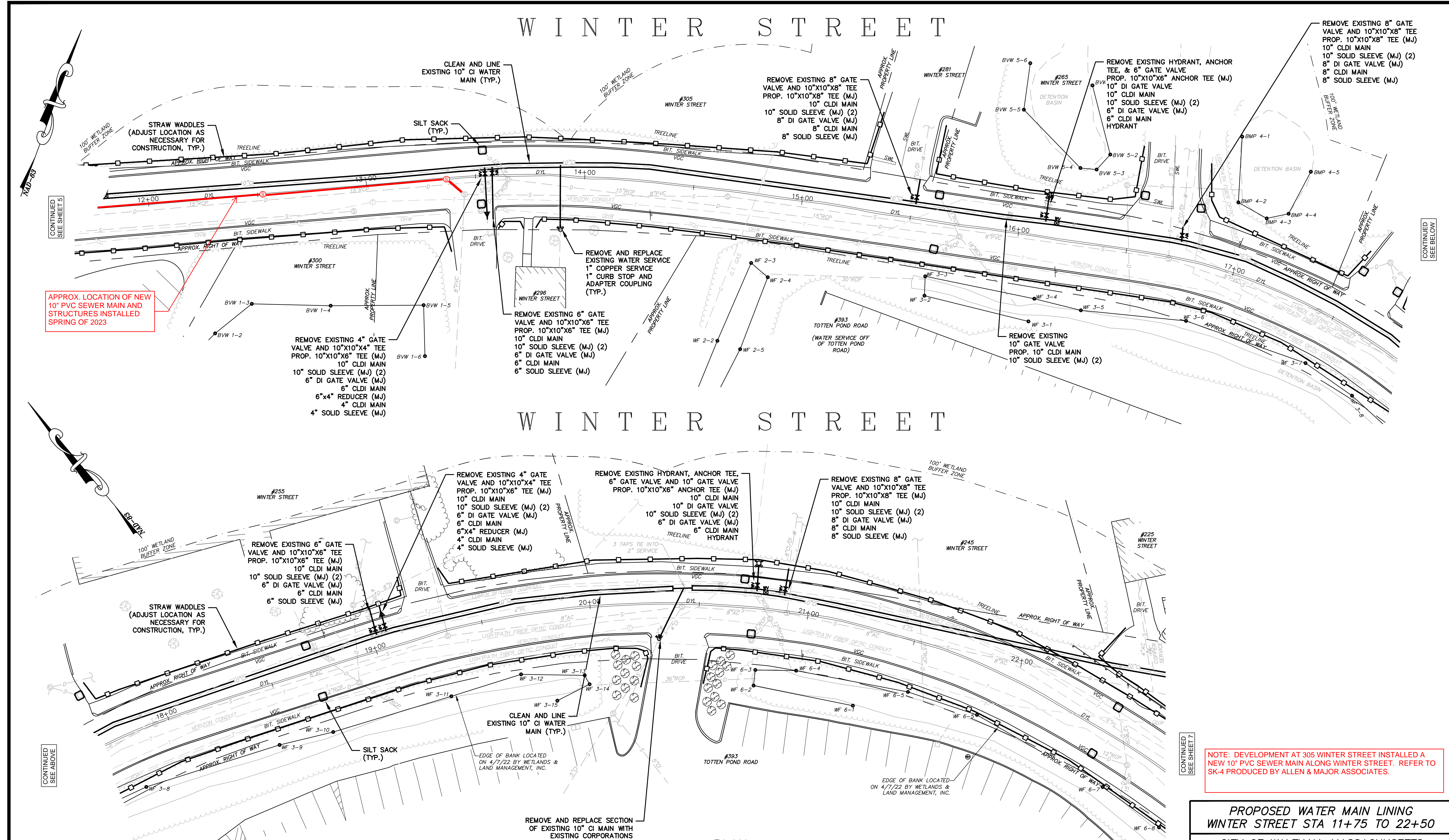


<b>PROPOSED WATER MAIN LINING</b>	
WINTER STREET STA 5+50 TO 11+75	
CITY OF WALTHAM, MASSACHUSETTS	
WINTER STREET WATER MAIN	
LINING AND REPLACEMENT PROJECT	
<b>GCG ASSOCIATES, INC.</b>	
WILMINGTON MASSACHUSETTS	
SCALE: 1" = 20'	DATE: DECEMBER 12, 2022
JOB NO. \FILE NAME:	DESIGNED BY: K.M.C.
21102 - BID SET	DRAWN BY: L.P.B.
	CHECKED BY: M.J.C.
	PLAN NO.
	5 OF 30

Title: Winter St Water Main Lining 12/12/2022 11:47 AM Plotted: Dec 12, 2022 11:53 AM

# WINTER STREET

# WINTER STREET



APPROX. LOCATION OF NEW 10" PVC SEWER MAIN AND STRUCTURES INSTALLED SPRING OF 2023

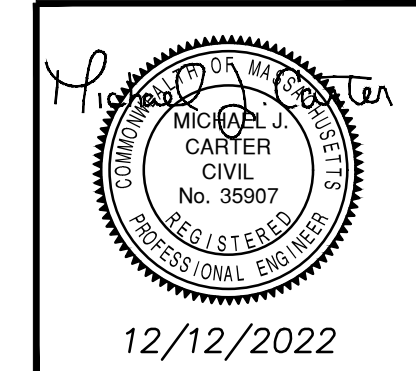
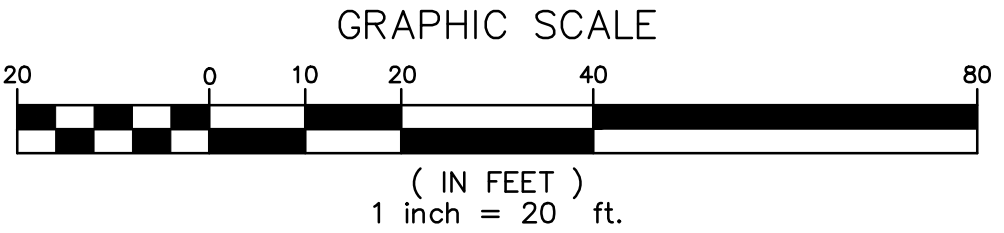
NOTE: DEVELOPMENT AT 305 WINTER STREET INSTALLED A NEW 10" PVC SEWER MAIN ALONG WINTER STREET. REFER TO SK-4 PRODUCED BY ALLEN & MAJOR ASSOCIATES.

**GENERAL NOTES:**

1. COMMERCIAL WATER SERVICES ON WINTER STREET THAT ARE KNOWN TO BE DUCTILE IRON PIPE WILL BE REQUIRED TO REPLACE THE EXISTING GATE VALVE. NEW GATE VALVES SHALL BE INSTALLED JUST OFF THE MAIN.
2. COMMERCIAL WATER SERVICES ON WINTER STREET THAT ARE KNOWN TO BE CAST IRON OR UNKNOWN MATERIAL PIPE WILL BE REQUIRED TO REPLACE THE EXISTING SERVICE UP TO THE RIGHT OF WAY AND THE EXISTING GATE VALVE. NEW GATE VALVES SHALL BE INSTALLED JUST OFF THE MAIN.
3. ALL SECTIONS OF NEW CLDI WATER MAIN OR SERVICES 15 FEET OR GREATER IN LENGTH SHALL REQUIRE PRESSURE TESTING, CHLORINATION, DISINFECTION AND WATER QUALITY SAMPLING.

REMOVE AND REPLACE SECTION OF EXISTING 10" CI MAIN WITH EXISTING CORPORATIONS REMOVE AND REPLACE EXISTING WATER SERVICE PROP. 2" COPPER SERVICE 2" CORPORATION 10" CLDI MAIN 10 SOLID SLEEVE (MJ) (2)

PLAN SCALE: 1" = 20'



PROPOSED WATER MAIN LINING  
WINTER STREET STA 11+75 TO 22+50

CITY OF WALTHAM, MASSACHUSETTS  
WINTER STREET WATER MAIN  
LINING AND REPLACEMENT PROJECT

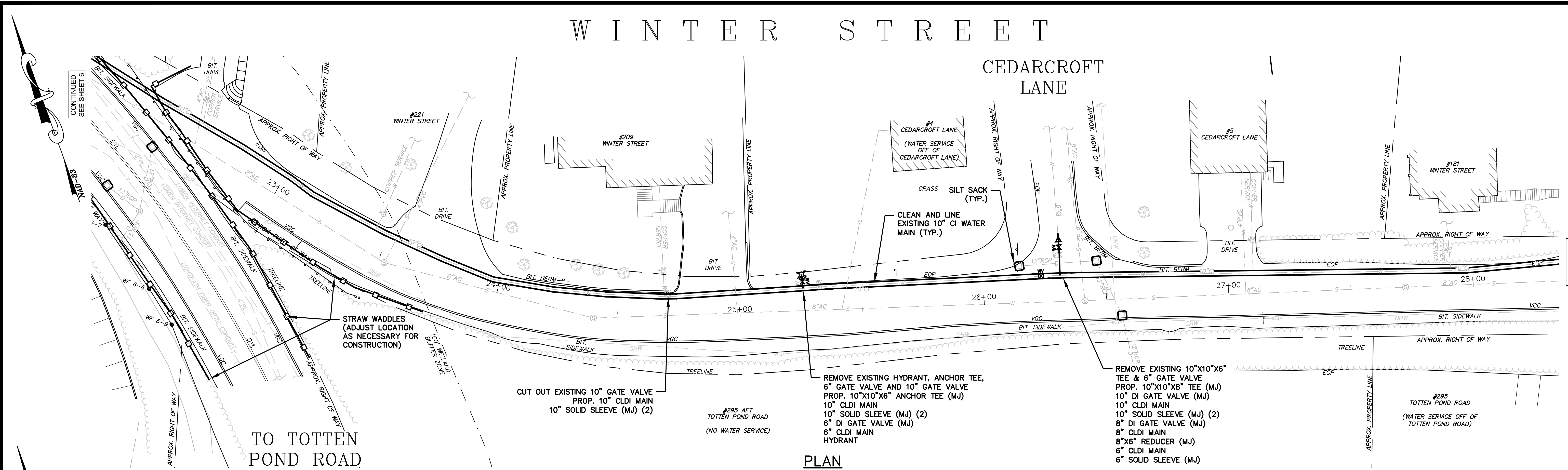
**GCG ASSOCIATES, INC.**  
WILMINGTON MASSACHUSETTS

SCALE: 1" = 20' DATE: DECEMBER 12, 2022

JOB NO. FILE NAME:	DESIGNED BY: K.M.C.	PLAN NO.
21102 - BID SET	DRAWN BY: L.P.B.	6 OF 30
	CHECKED BY: M.J.C.	

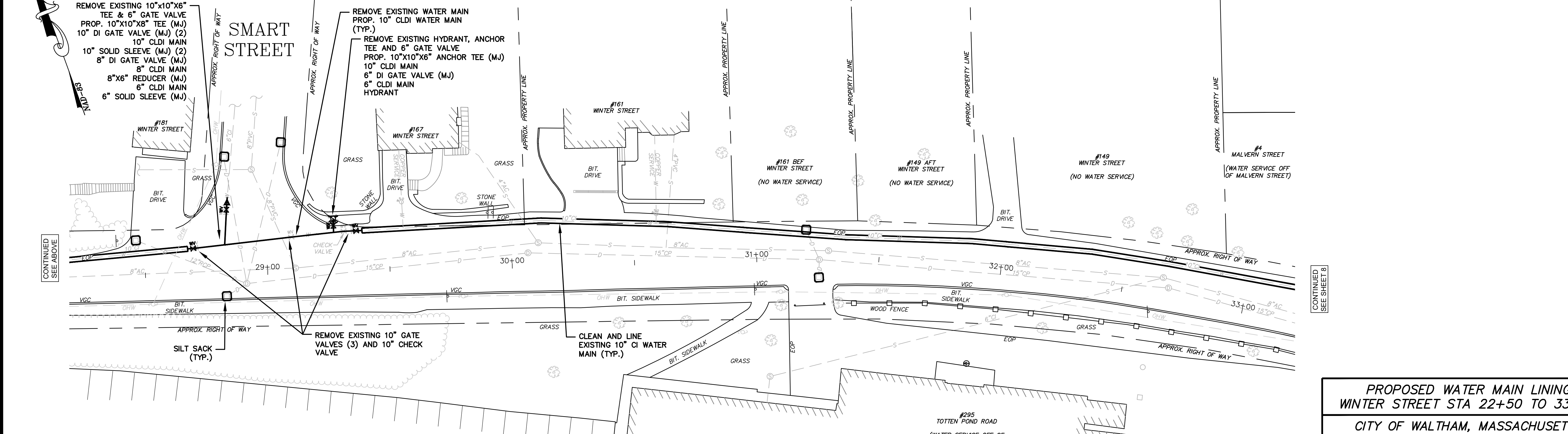
# WINTER STREET

## CEDARCROFT LANE

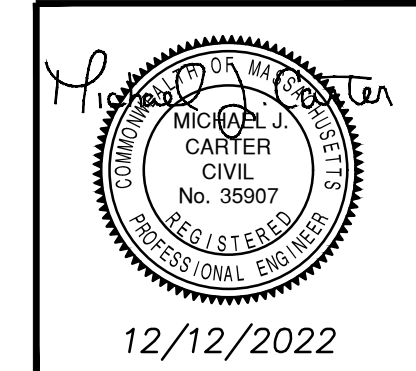
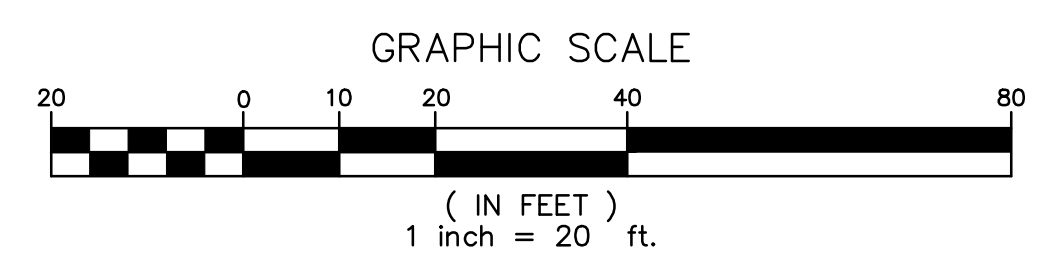


PLAN  
SCALE: 1" = 20'

# WINTER STREET



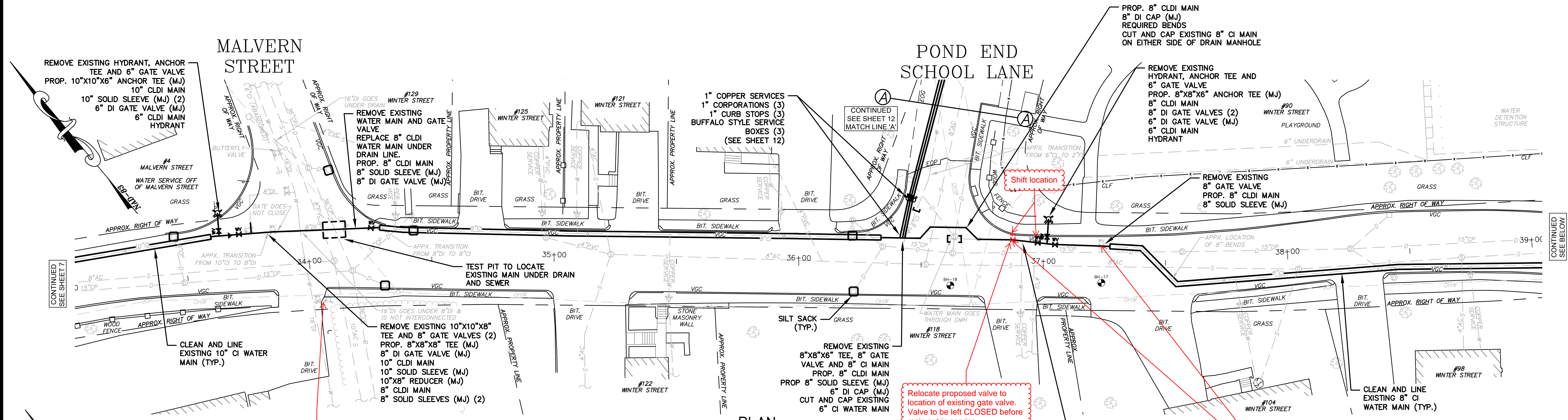
PLAN  
SCALE: 1" = 20'



PROPOSED WATER MAIN LINING WINTER STREET STA 22+50 TO 33+25	
CITY OF WALTHAM, MASSACHUSETTS WINTER STREET WATER MAIN LINING AND REPLACEMENT PROJECT	
<b>GCG ASSOCIATES, INC.</b> WILMINGTON MASSACHUSETTS	
SCALE: 1" = 20'	DATE: DECEMBER 12, 2022
JOB NO. \FILE NAME:	DESIGNED BY: K.M.C. DRAWN BY: L.P.B. CHECKED BY: M.J.C.
21102 - BID SET	PLAN NO. 7 OF 30

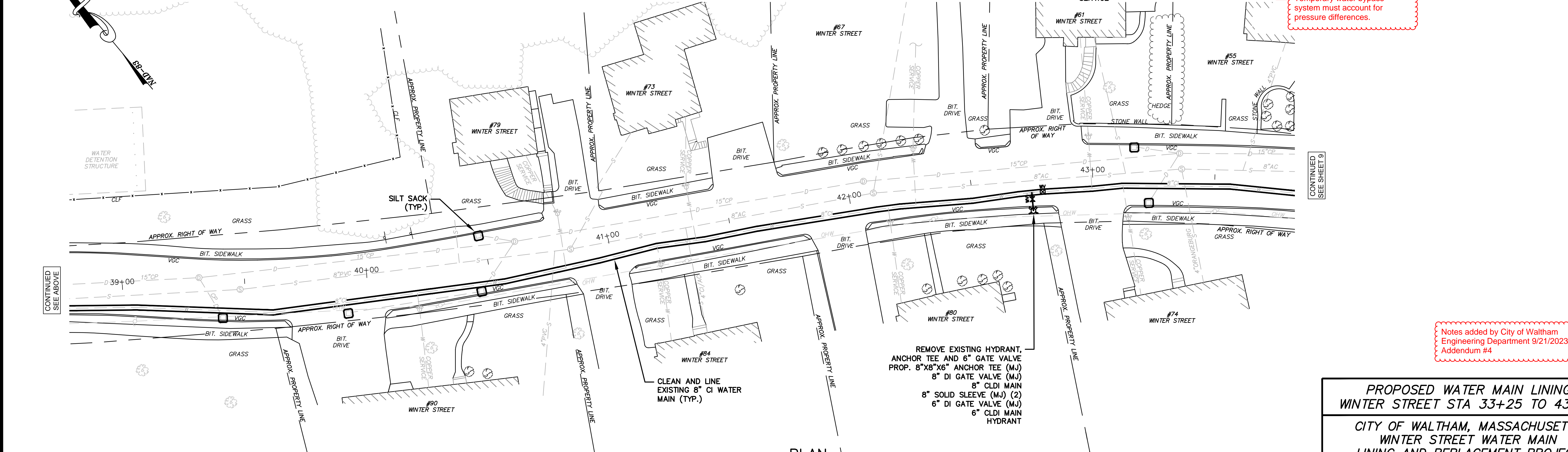
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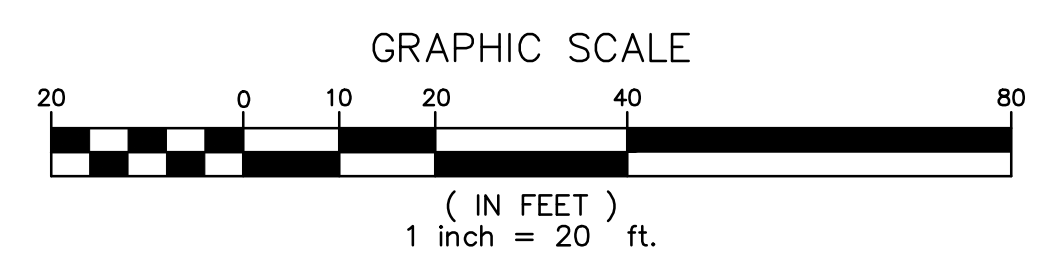


**PLAN**  
SCALE: 1" = 20'

# W I N T E R S T R E E T



**PLAN**  
SCALE: 1" = 20'



<b>PROPOSED WATER MAIN LINING</b>	
<b>WINTER STREET STA 33+25 TO 43+75</b>	
CITY OF WALTHAM, MASSACHUSETTS	
WINTER STREET WATER MAIN	
LINING AND REPLACEMENT PROJECT	
<b>GCG ASSOCIATES, INC.</b>	
WILMINGTON MASSACHUSETTS	
SCALE: 1" = 20'	DATE: DECEMBER 12, 2022
JOB NO. \ FILE NAME:	DESIGNED BY: K.M.C.
21102 - BID SET	DRAWN BY: L.P.B.
	CHECKED BY: M.J.C.
	PLAN NO.
	8 OF 30

Notes added by City of Waltham  
Engineering Department 9/21/2023 For  
Addendum #4

Existing hydrant off 16" main  
may be used for bypass feed.

Relocate proposed valve to  
location of existing gate valve.  
Valve to be left CLOSED before  
main put in service.

These existing valves separate  
two pressure zone systems.  
Temporary water bypass  
system must account for  
pressure differences.

REMOVE EXISTING HYDRANT, ANCHOR  
TEE AND 6" GATE VALVE  
PROP. 10"x10"x6" ANCHOR TEE (MJ)  
10" CLDI MAIN  
10" SOLID SLEEVE (MJ) (2)  
6" DI GATE VALVE (MJ)  
6" CLDI MAIN  
HYDRANT

REMOVE EXISTING  
WATER MAIN AND GATE  
VALVE  
REPLACE 8" CLDI  
WATER MAIN UNDER  
DRAIN LINE.  
PROP. 8" CLDI MAIN  
8" SOLID SLEEVE (MJ)  
8" DI GATE VALVE (MJ)

REMOVE EXISTING 10"x10"x8"  
TEE AND 8" GATE VALVES (2)  
PROP. 8"x8"x8" TEE (MJ)  
8" DI GATE VALVE (MJ)  
10" CLDI MAIN  
10" SOLID SLEEVE (MJ)  
10"x8" REDUCER (MJ)  
8" CLDI MAIN  
8" SOLID SLEEVES (MJ) (2)

1" COPPER SERVICES  
1" CORPORATIONS (3)  
1" CURB STOPS (3)  
BUFFALO STYLE SERVICE  
BOXES (3)  
(SEE SHEET 12)

PROP. 8" CLDI MAIN  
8" DI CAP (MJ)  
REQUIRED BENDS  
CUT AND CAP EXISTING 8" CI MAIN  
ON EITHER SIDE OF DRAIN MANHOLE

REMOVE EXISTING  
HYDRANT, ANCHOR TEE AND  
6" GATE VALVE  
PROP. 8"x8"x6" ANCHOR TEE (MJ)  
8" CLDI MAIN  
8" DI GATE VALVES (2)  
6" DI GATE VALVE (MJ)  
6" CLDI MAIN  
HYDRANT

REMOVE EXISTING  
8" GATE VALVE  
PROP. 8" CLDI MAIN  
8" SOLID SLEEVE (MJ)

REMOVE EXISTING  
8"x8"x6" TEE, 8" GATE  
VALVE AND 8" CI MAIN  
PROP. 8" CLDI MAIN  
PROP. 8" SOLID SLEEVE (MJ)  
6" DI CAP (MJ)  
CUT AND CAP EXISTING  
6" CI WATER MAIN

DISCONNECT EXISTING 1" COPPER  
SERVICE FROM EXISTING 8" CI MAIN  
PROP. 8" CLDI MAIN  
1" CORPORATION (1)  
CONNECT TO EXISTING 1" COPPER  
SERVICE

REMOVE EXISTING HYDRANT,  
ANCHOR TEE AND 6" GATE VALVE  
PROP. 8"x8"x6" ANCHOR TEE (MJ)  
8" DI GATE VALVE (MJ)  
8" CLDI MAIN  
8" SOLID SLEEVE (MJ) (2)  
6" DI GATE VALVE (MJ)  
6" CLDI MAIN  
HYDRANT

CLEAN AND LINE  
EXISTING 8" CI WATER  
MAIN (TYP.)

CLEAN AND LINE  
EXISTING 10" CI WATER  
MAIN (TYP.)

CONTINUED  
SEE SHEET 7

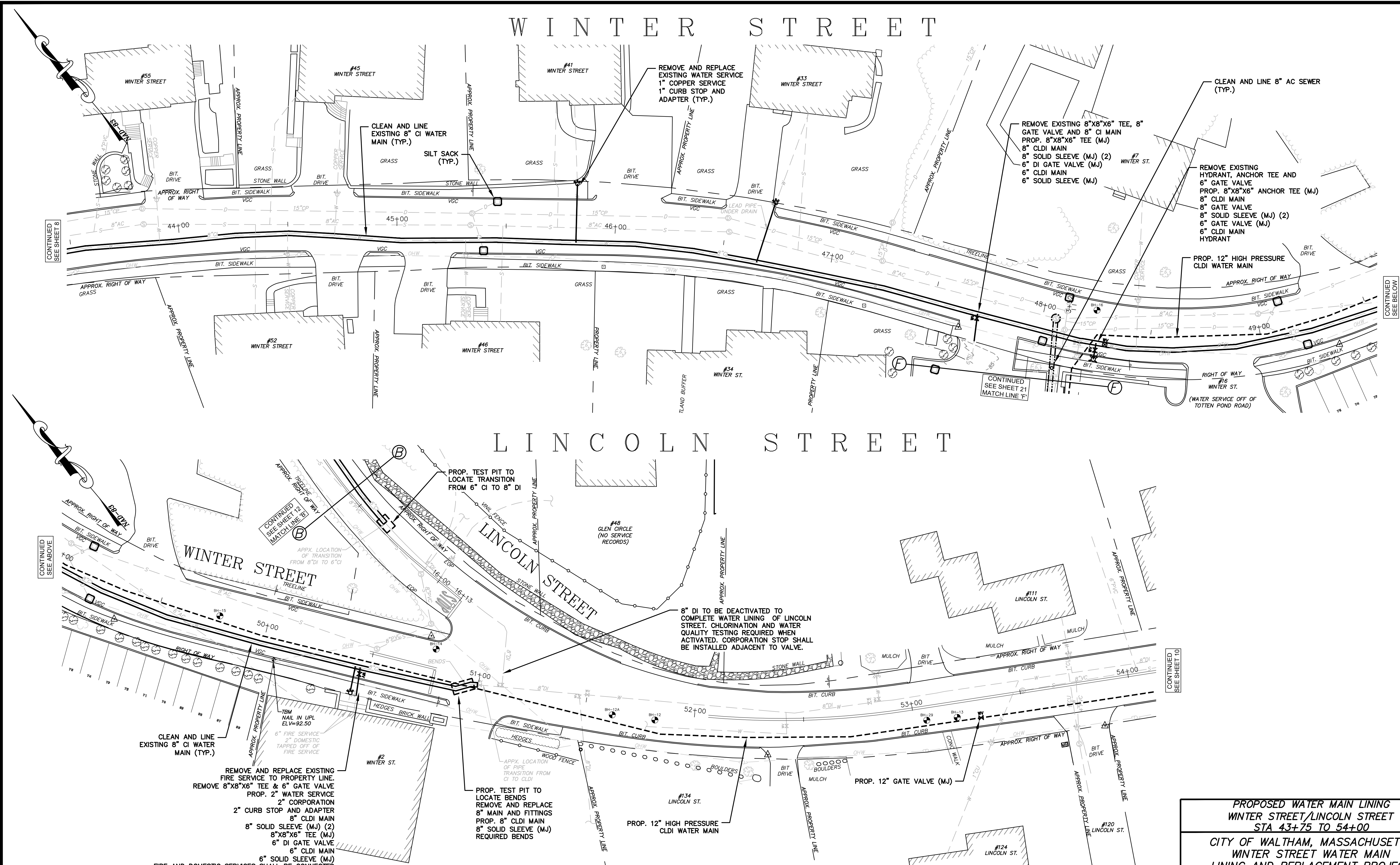
CONTINUED  
SEE BELOW

CONTINUED  
SEE SHEET 9

CONTINUED  
SEE ABOVE

# W I N T E R S T R E E T

# L I N C O L N S T R E E T



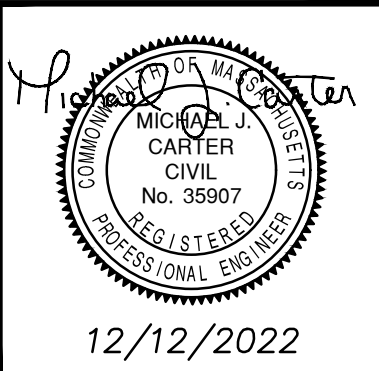
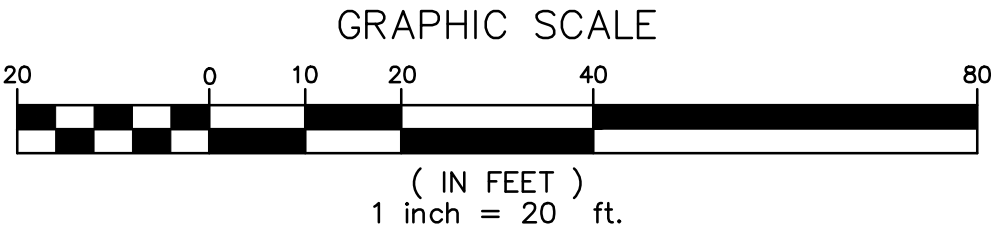
CLEAN AND LINE EXISTING 8" CI WATER MAIN (TYP.)

REMOVE AND REPLACE EXISTING FIRE SERVICE TO PROPERTY LINE. REMOVE 8"x8"x6" TEE & 6" GATE VALVE. PROP. 2" WATER SERVICE 2" CURB STOP AND ADAPTER 8" CLDI MAIN 8" SOLID SLEEVE (MJ) (2) 8"x8"x6" TEE (MJ) 6" DI GATE VALVE 6" CLDI MAIN 6" SOLID SLEEVE (MJ)

FIRE AND DOMESTIC SERVICES SHALL BE CONNECTED AT THE PROPERTY LINE. IF THE EXISTING DOMESTIC SERVICE IS TAPPED OFF THE FIRE SERVICE ON PRIVATE PROPERTY, THEN THE NEW DOMESTIC SERVICE SHALL BE LEFT DISCONNECTED AT THE PROPERTY LINE FOR FUTURE CONNECTION.

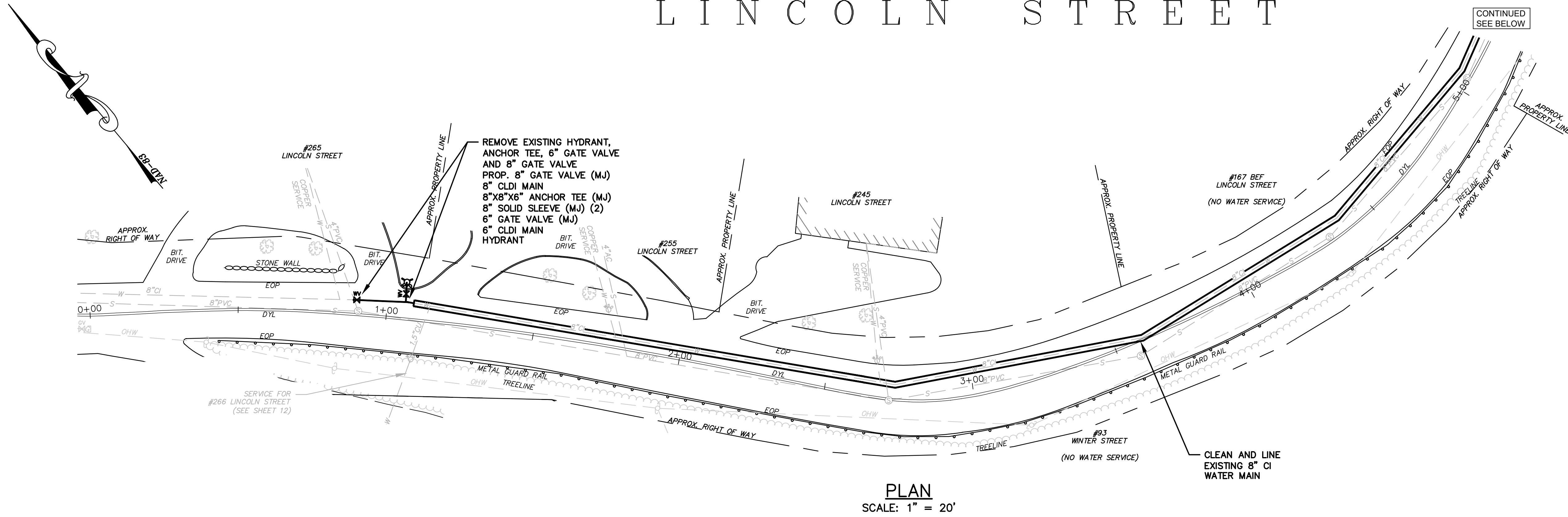
PROP. TEST PIT TO LOCATE BENDS REMOVE AND REPLACE 8" MAIN AND FITTINGS PROP. 8" CLDI MAIN 8" SOLID SLEEVE (MJ) REQUIRED BENDS

**PLAN**  
SCALE: 1" = 20'



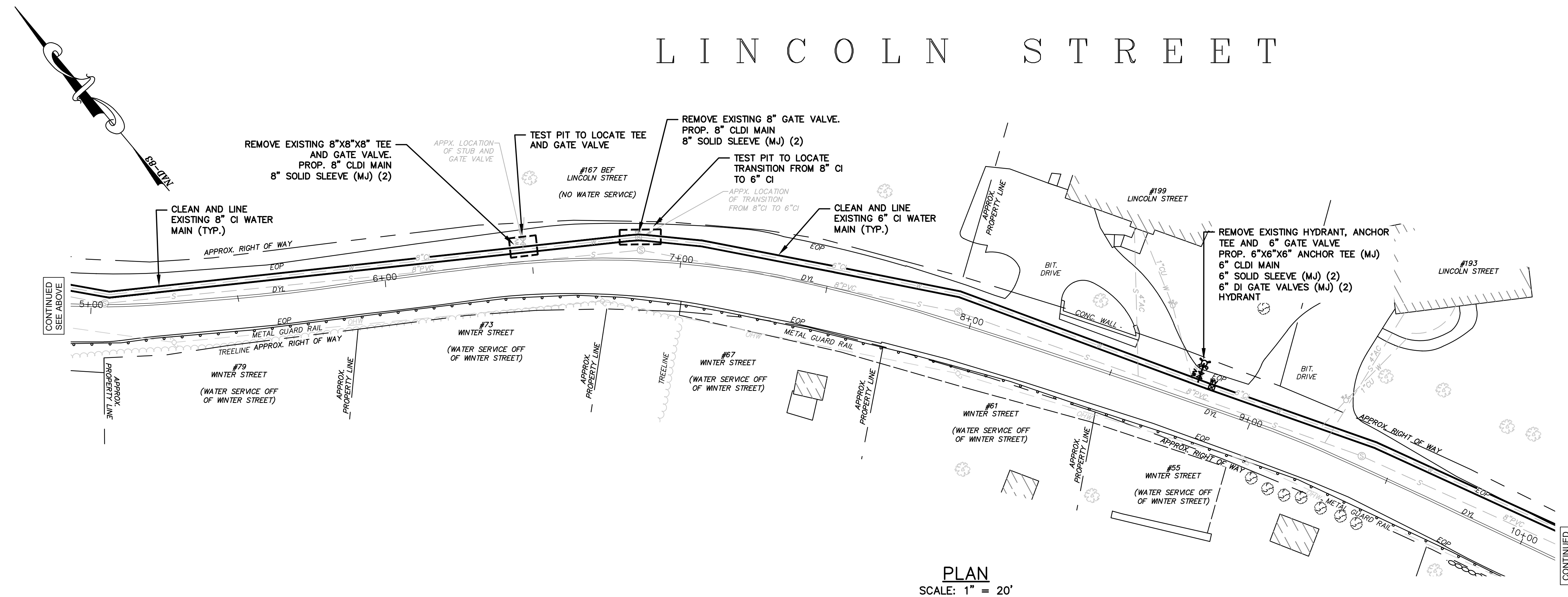
<b>PROPOSED WATER MAIN LINING WINTER STREET/LINCOLN STREET STA 43+75 TO 54+00</b>	
CITY OF WALTHAM, MASSACHUSETTS WINTER STREET WATER MAIN LINING AND REPLACEMENT PROJECT	
<b>GCG ASSOCIATES, INC.</b> WILMINGTON MASSACHUSETTS	
SCALE: 1" = 20'	DATE: DECEMBER 12, 2022
JOB NO. \FILE NAME: 21102 - BID SET	DESIGNED BY: K.M.C. DRAWN BY: L.P.B. CHECKED BY: M.J.C.
PLAN NO. 9 OF 30	

# LINCOLN STREET



PLAN  
SCALE: 1" = 20'

# LINCOLN STREET



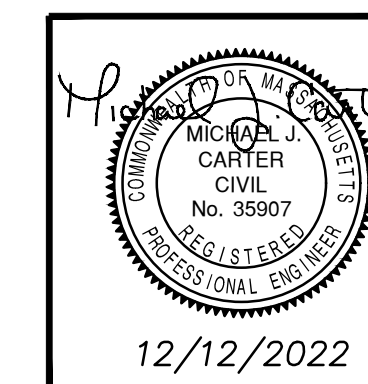
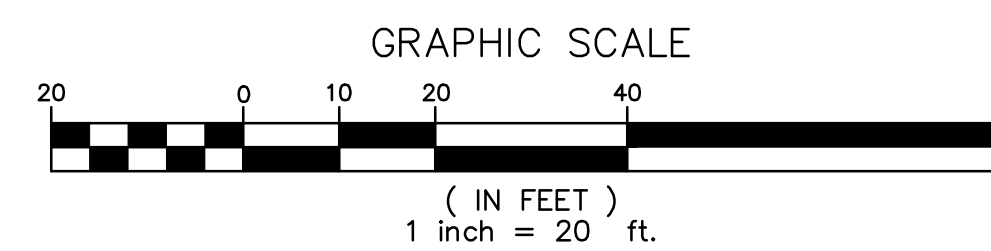
PLAN  
SCALE: 1" = 20'

PROPOSED WATER MAIN LINING  
LINCOLN STREET STA 0+00 TO 10+00  
CITY OF WALTHAM, MASSACHUSETTS  
WINTER STREET WATER MAIN  
LINING AND REPLACEMENT PROJECT

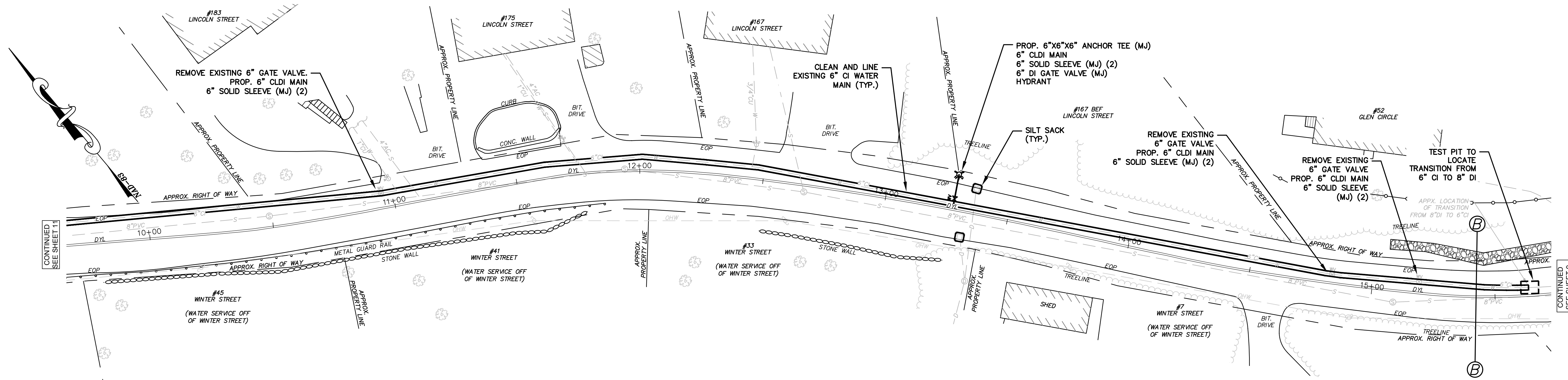
**GCG ASSOCIATES, INC.**  
WILMINGTON MASSACHUSETTS

SCALE: 1" = 20' DATE: DECEMBER 12, 2022

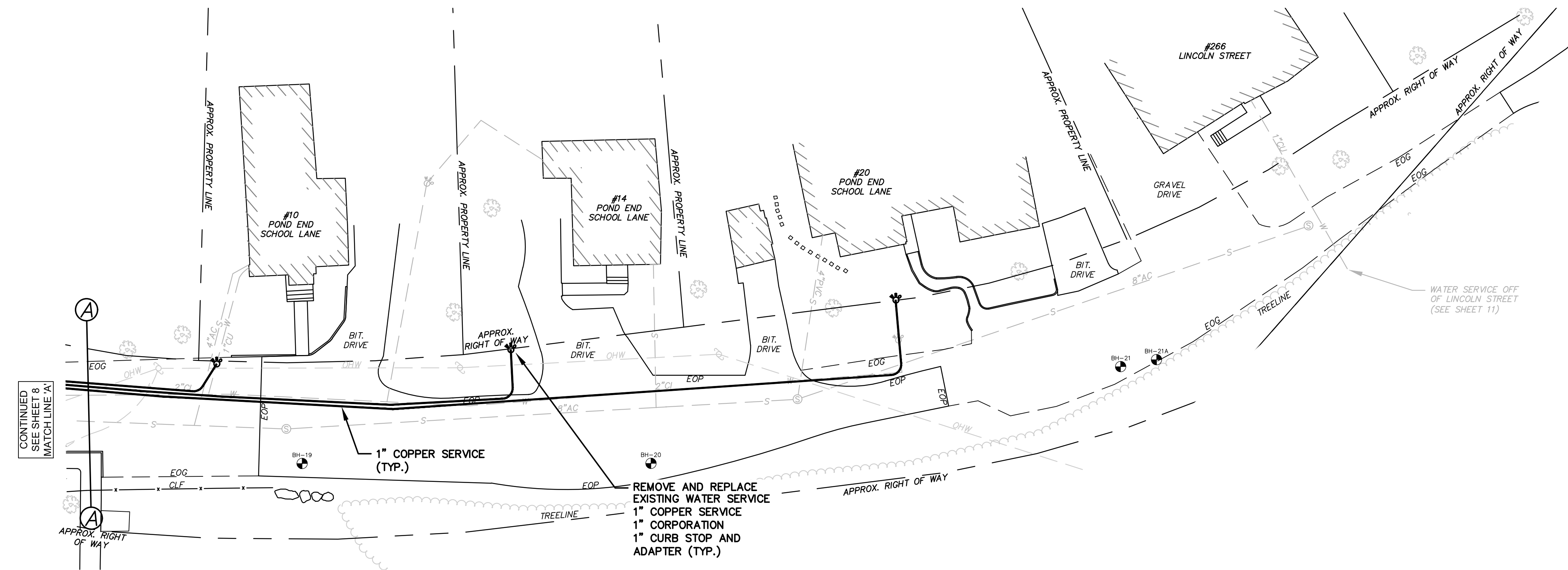
JOB NO. \ FILE NAME:	DESIGNED BY: K.M.C.	PLAN NO.
21102 - BID SET	DRAWN BY: L.P.B.	11 OF 30
	CHECKED BY: M.J.C.	



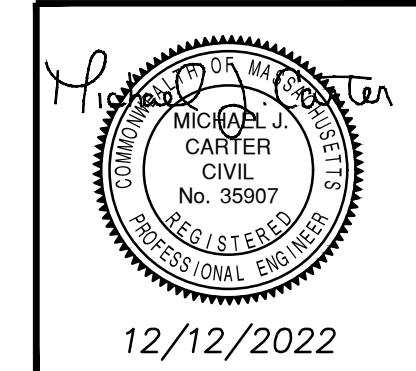
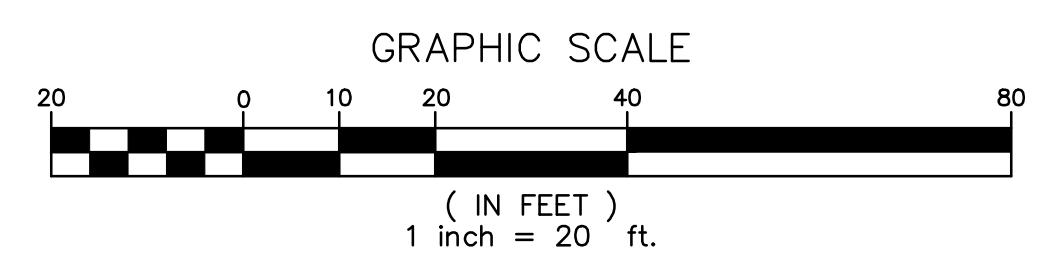
# LINCOLN STREET



# POND END SCHOOL LANE



PLAN  
SCALE: 1" = 20'



PROPOSED WATER LINING LINCOLN STREET STA 10+00 TO 15+50 POND END SCHOOL LANE	
CITY OF WALTHAM, MASSACHUSETTS WINTER STREET WATER MAIN LINING AND REPLACEMENT PROJECT	
<b>GCG ASSOCIATES, INC.</b> WILMINGTON MASSACHUSETTS	
SCALE: 1" = 20'	DATE: DECEMBER 12, 2022
JOB NO. \FILE NAME: 21102 - BID SET	DESIGNED BY: K.M.C. DRAWN BY: L.P.B. CHECKED BY: M.J.C.
PLAN NO. 12 OF 30	

Title Sheet 12, Pond End School Lane, GCG 2022, 12/12/2022, 12:10 PM, Plotted: Dec 12, 2022 3:29 PM