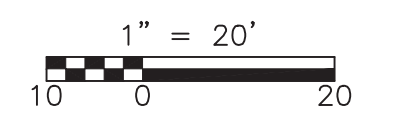
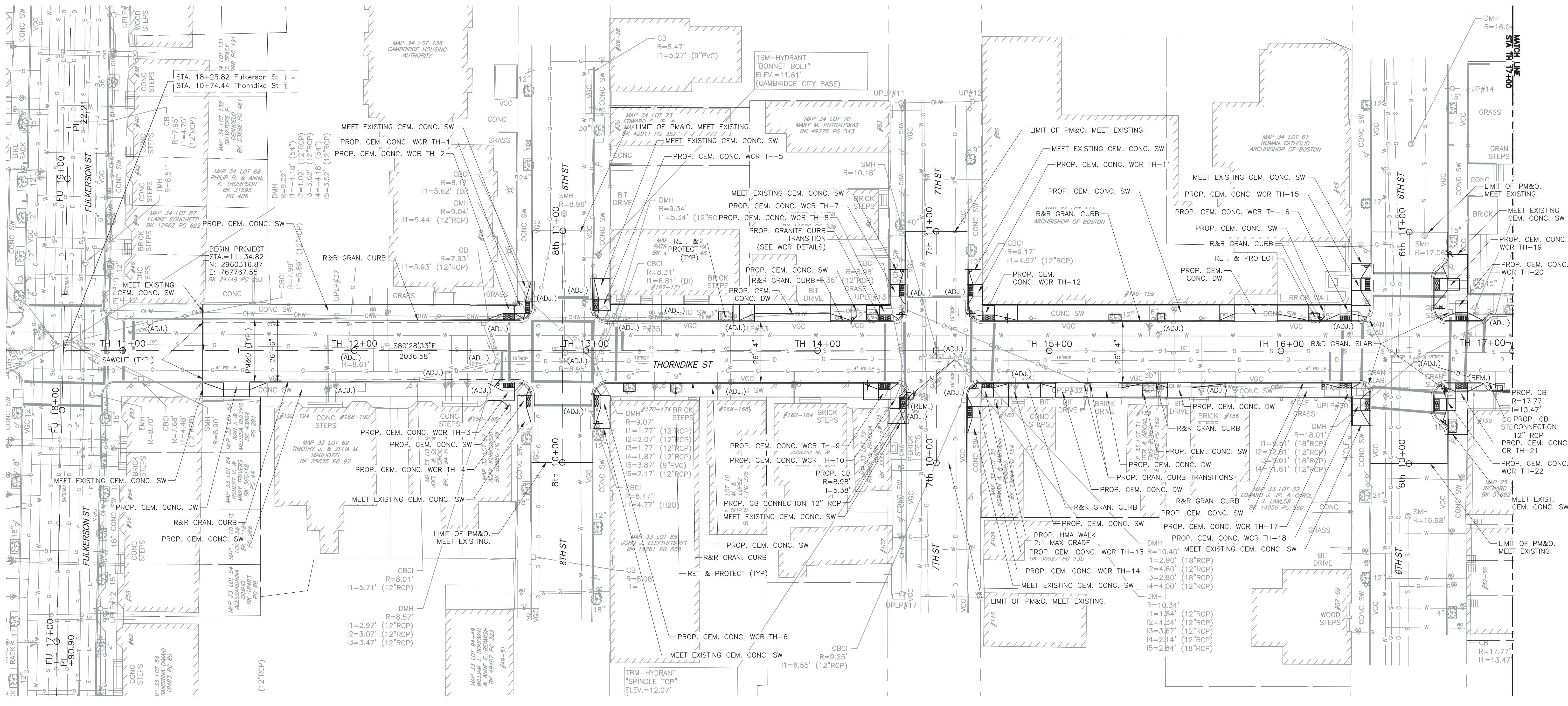


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 DRAWN BY: Y. MA  
 SHEET CHK'D BY: M. FENLEY  
 CROSS CHK'D BY: P. S. CARTER  
 APPROVED BY: D. L. MURPHY  
 DATE: JANUARY 2016

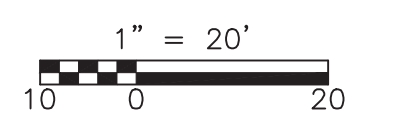
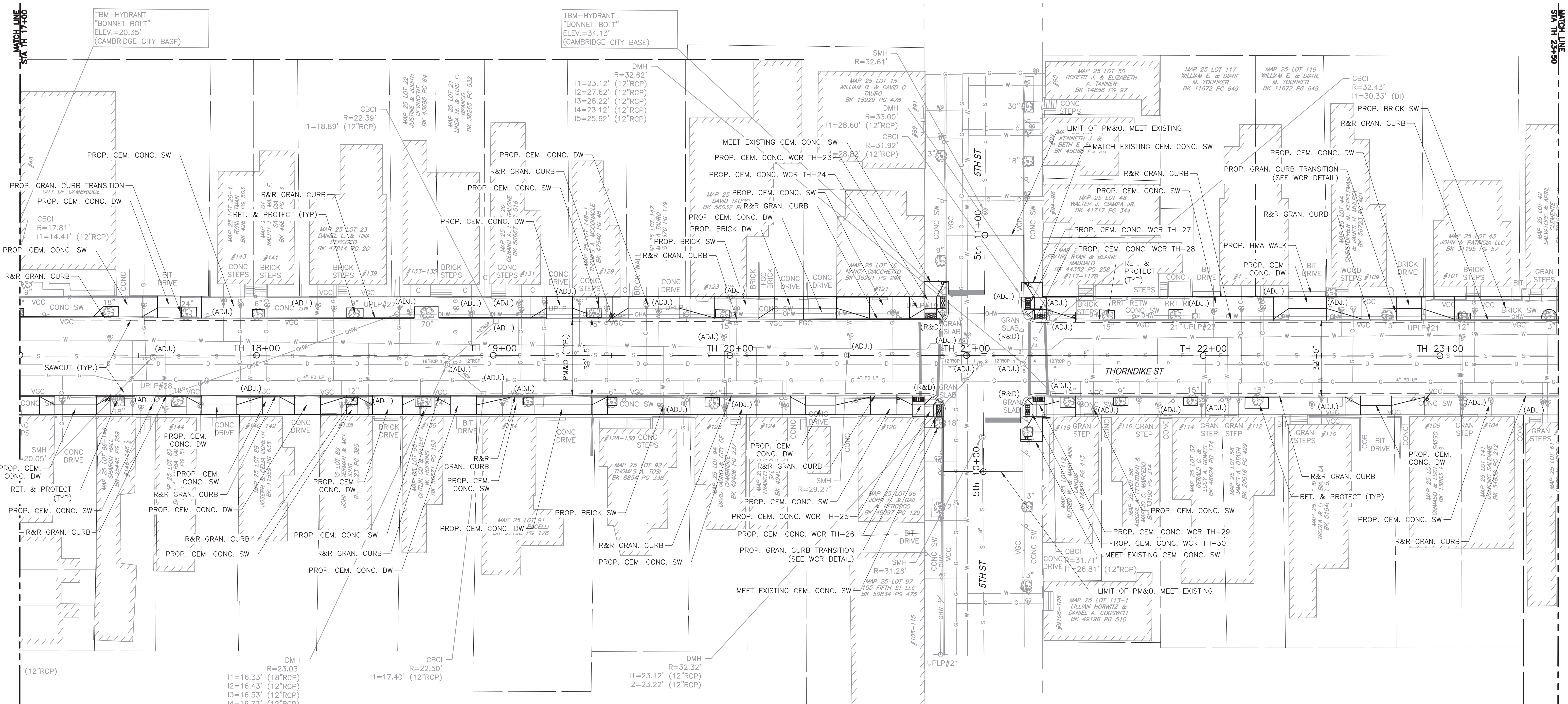


CITY OF CAMBRIDGE  
 CHAPTER 90 ROADWAY & SIDEWALK RECONSTRUCTION  
 AND TRAFFIC CALMING  
 CONTRACT 19

GENERAL PLAN  
 THORNDIKE ST

PROJECT NO. 0139-104431  
 FILE NAME: TSTGPO09.DWG  
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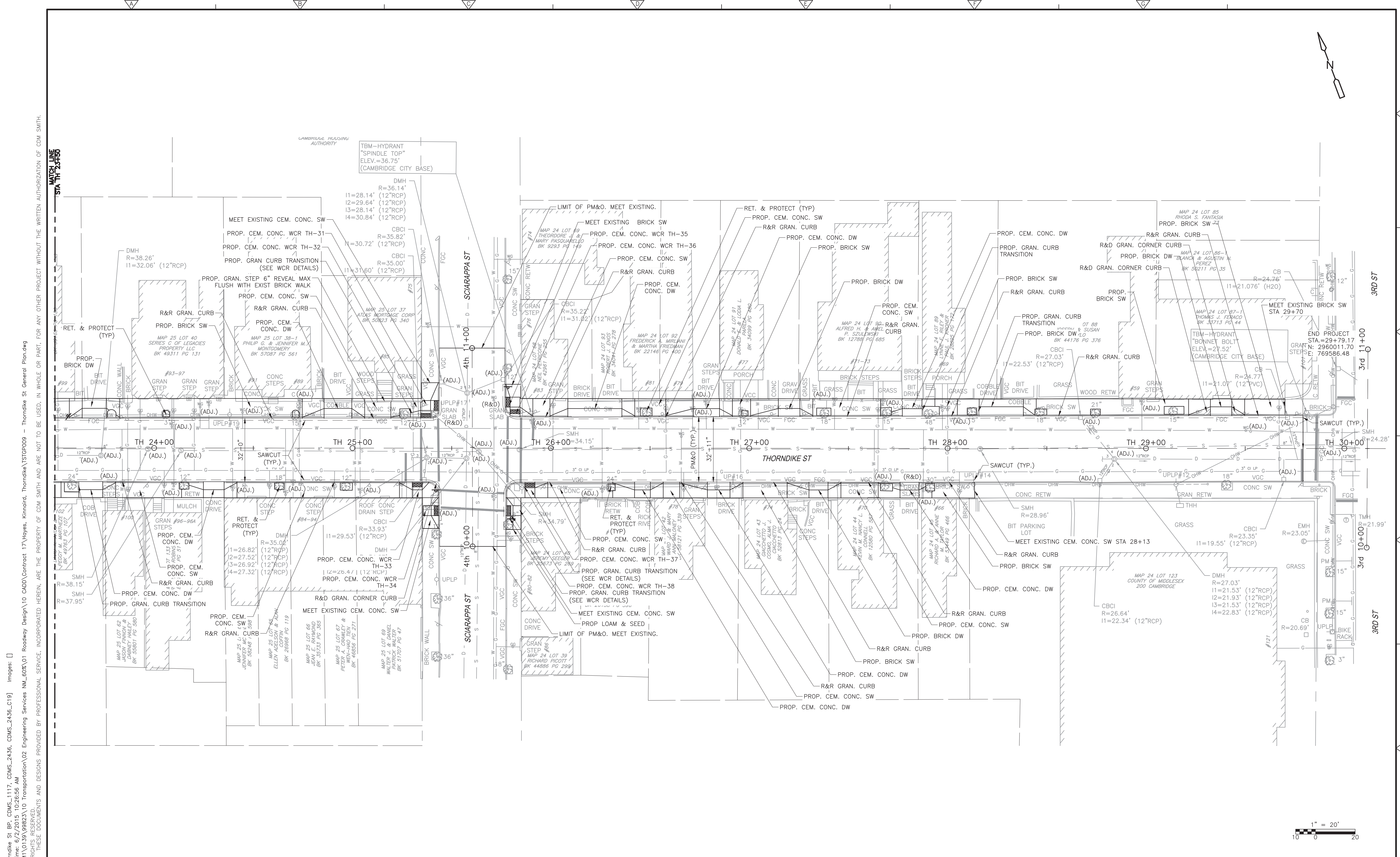
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 SHEET CHK'D BY: M. FENLEY  
 CROSS CHK'D BY: P. S. CARTER  
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GENERAL PLAN  
 THORNDIKE ST

PROJECT NO. 0139-104431  
 FILE NAME: TSTGPO09.DWG  
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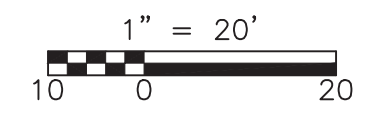
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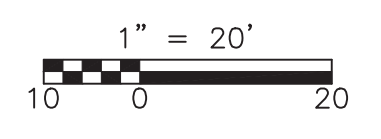
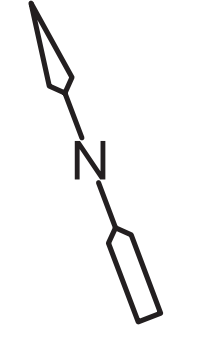
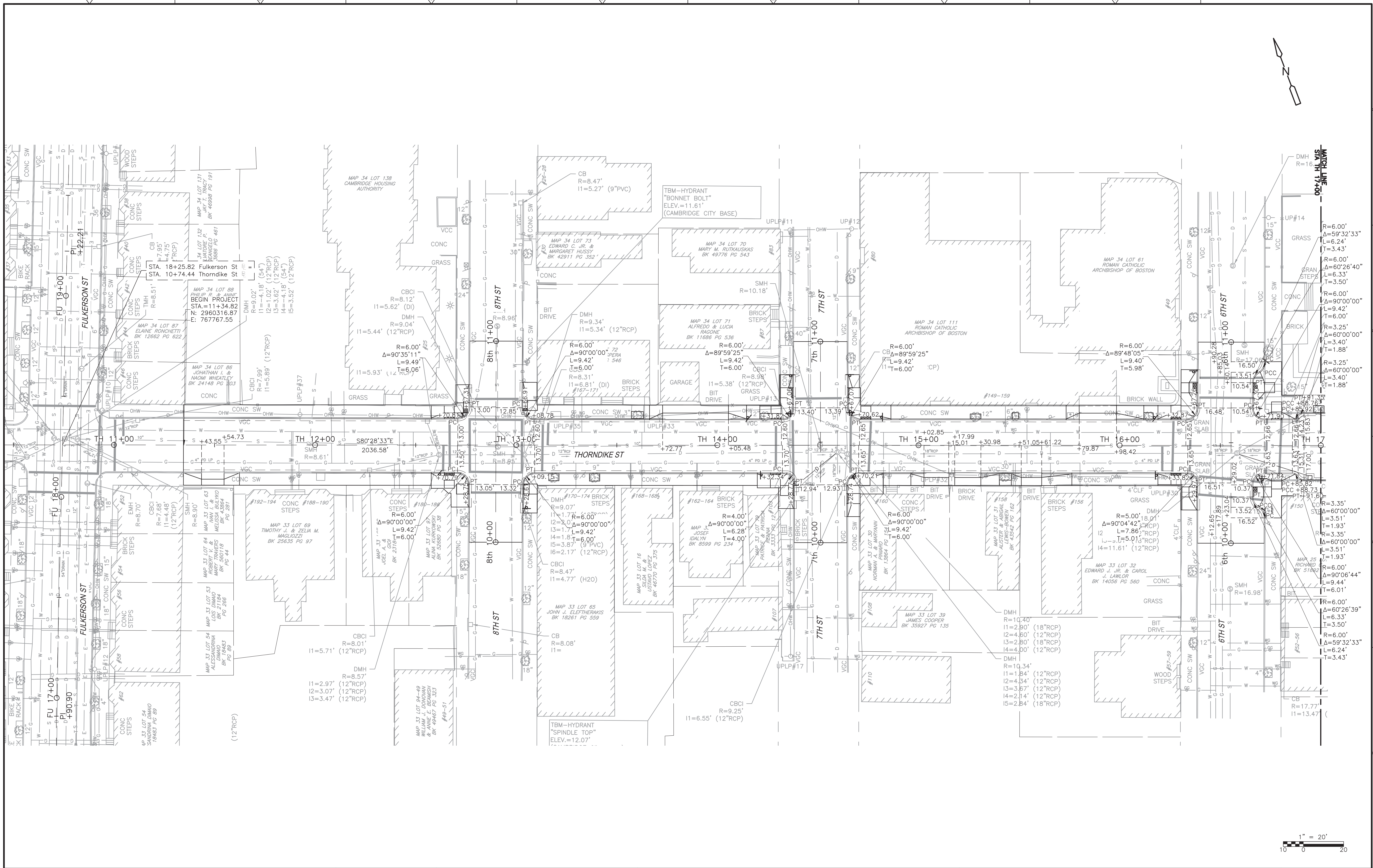
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 AND TRAFFIC CALMING  
 CONTRACT 19**

**GENERAL PLAN  
 THORNDIKE ST**

PROJECT NO. 0139-104431  
 FILE NAME: TSTGPO09.DWG  
 SHEET NO. **28**



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 SHEET CHK'D BY: M. FENLEY  
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 APPROVED BY: D. L. MURPHY  
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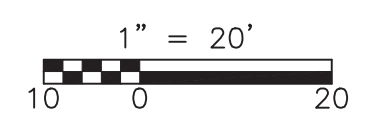
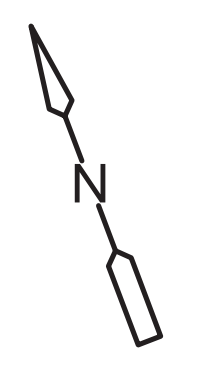
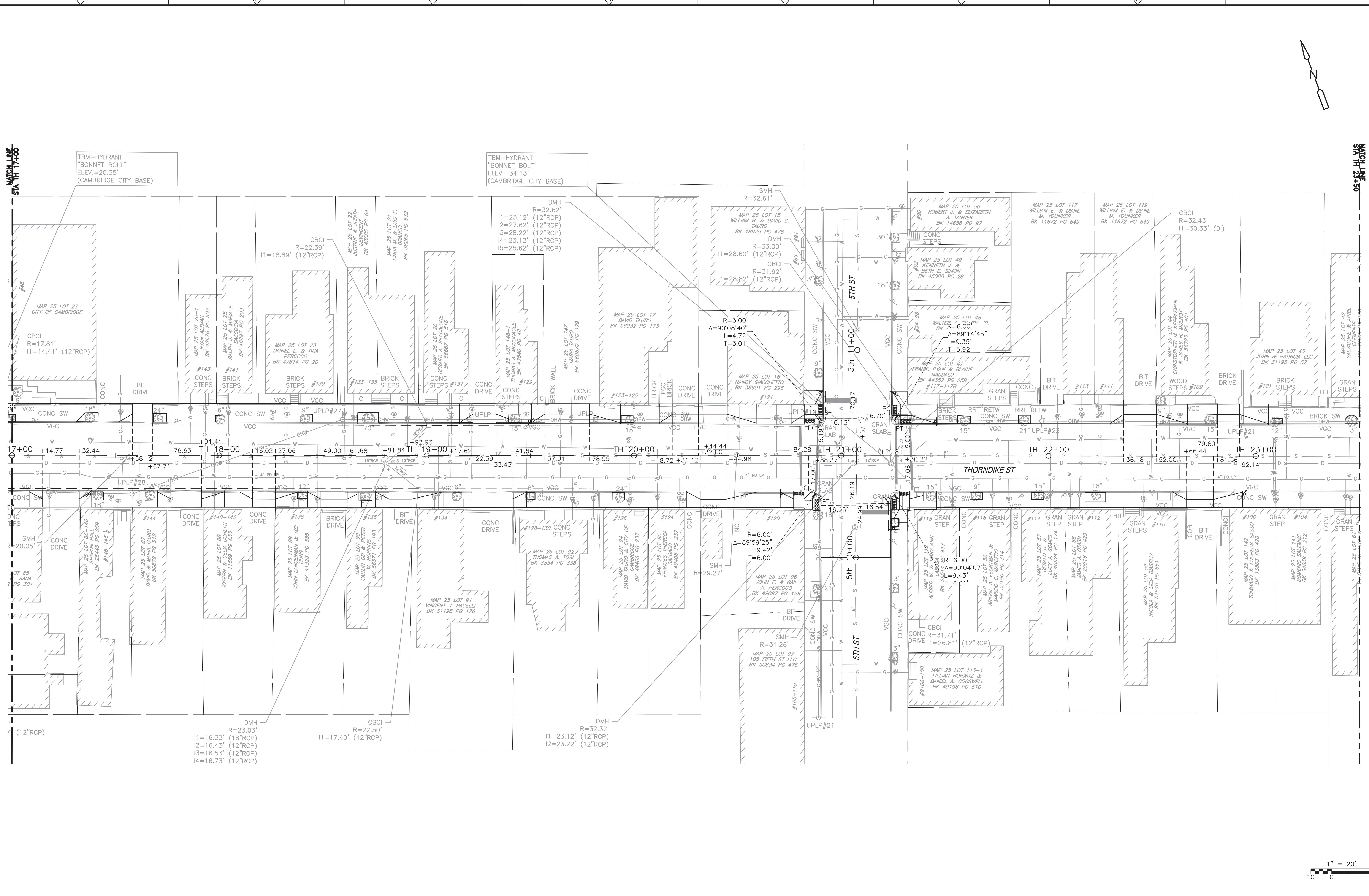
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CURB TIE PLAN  
 THORNDIKE ST

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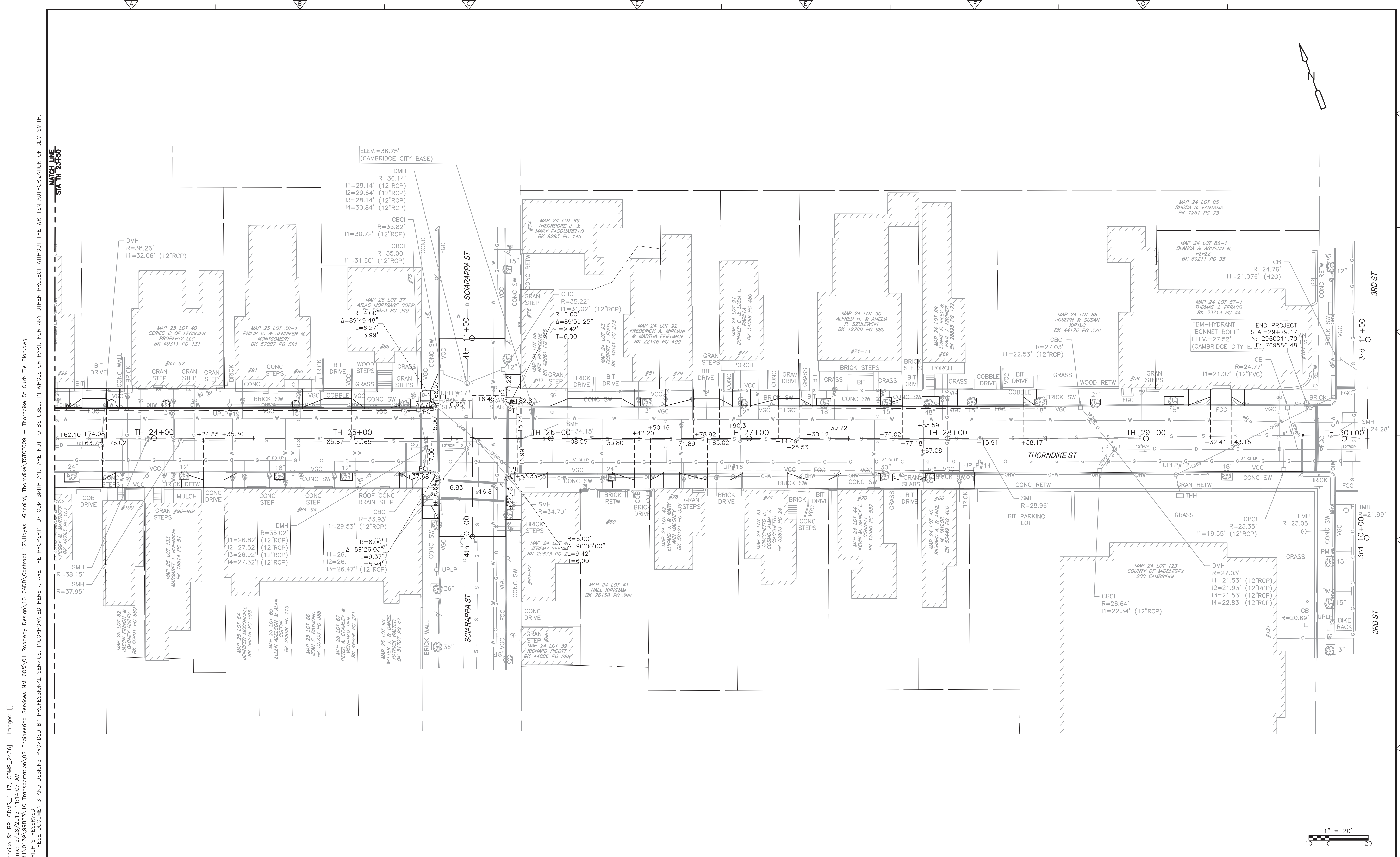
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CURB TIE PLAN  
 THORNDIKE ST

PROJECT NO. 0139-104431  
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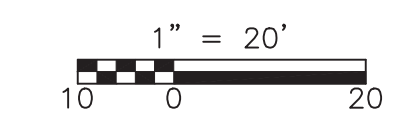
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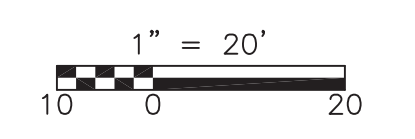
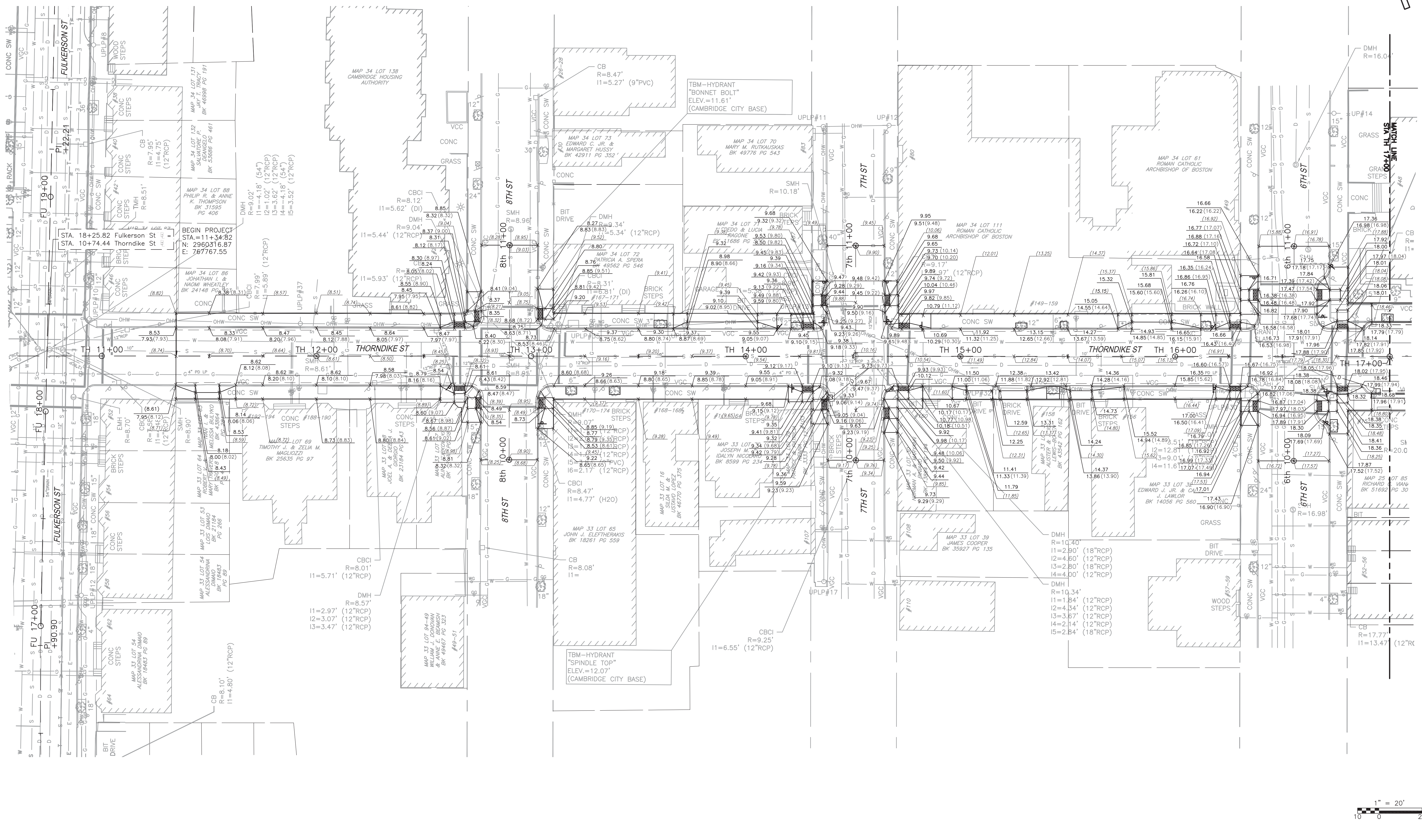
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 CONTRACT 19

CURB TIE PLAN  
 THORNDIKE ST

PROJECT NO. 0139-104431  
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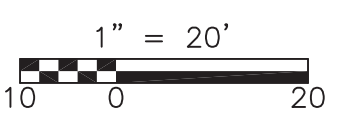
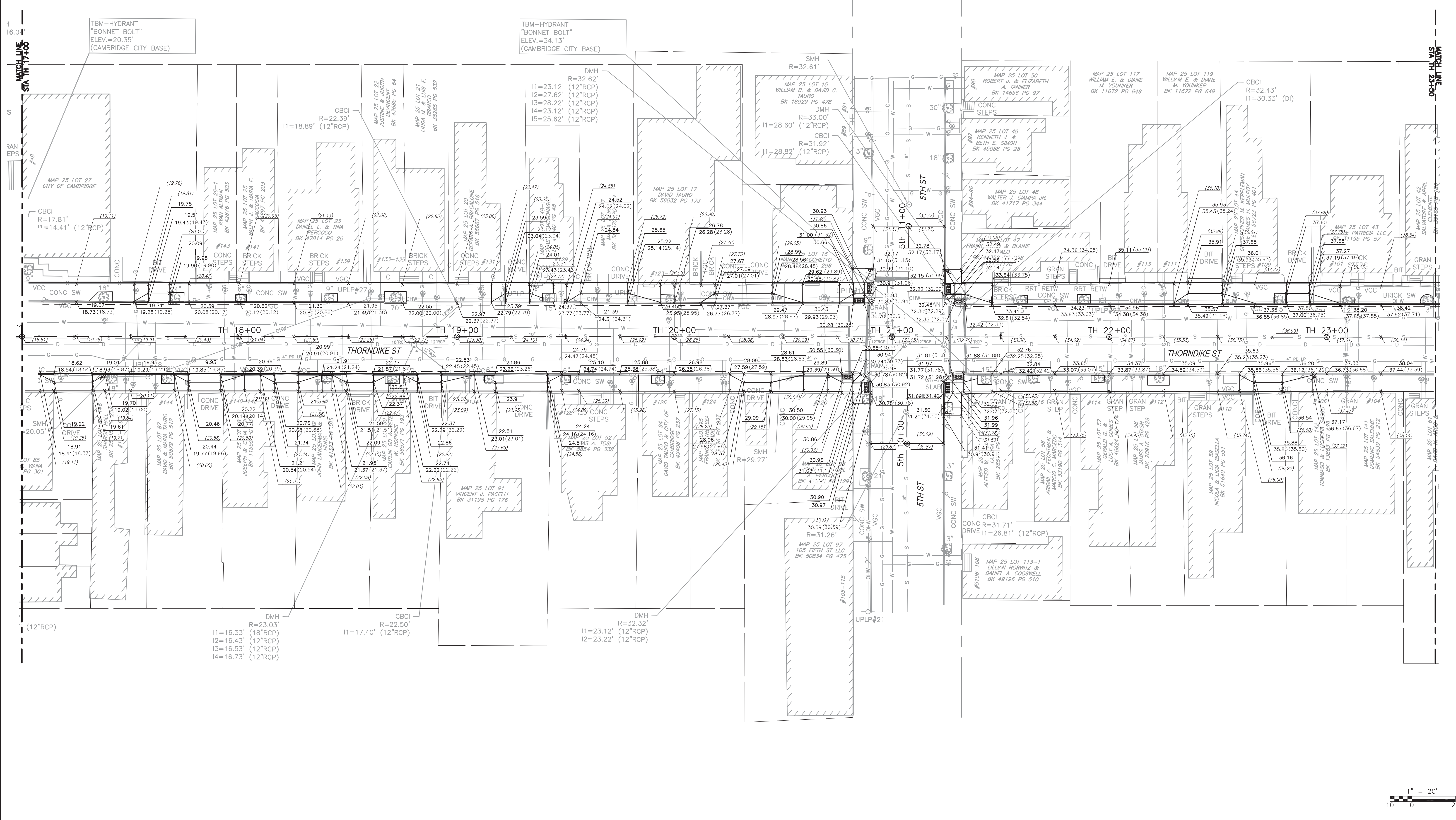
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GRADING PLAN  
 THORNDIKE ST

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 APPROVED BY: D. L. MURPHY  
 DATE: JANUARY 2016

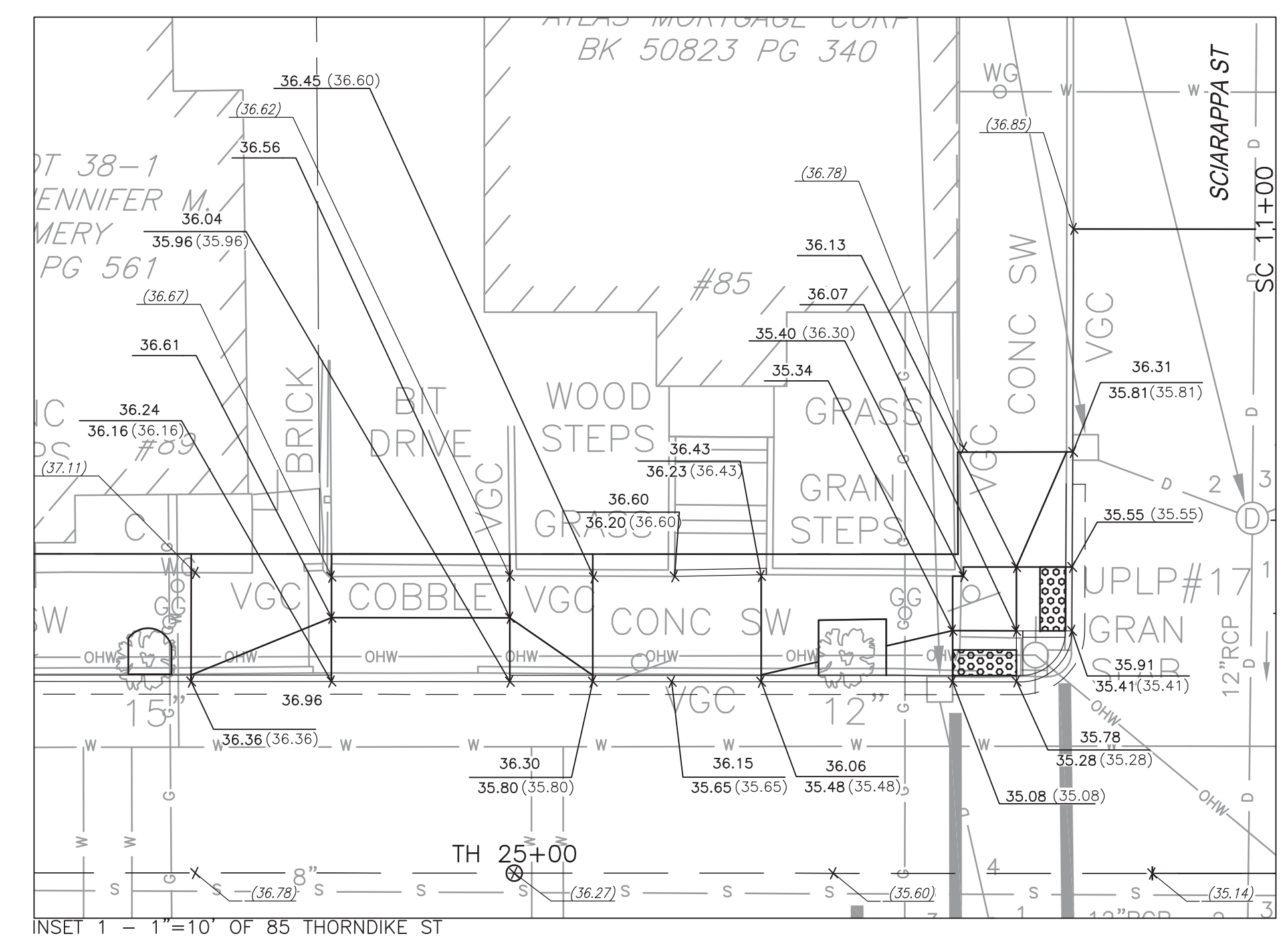
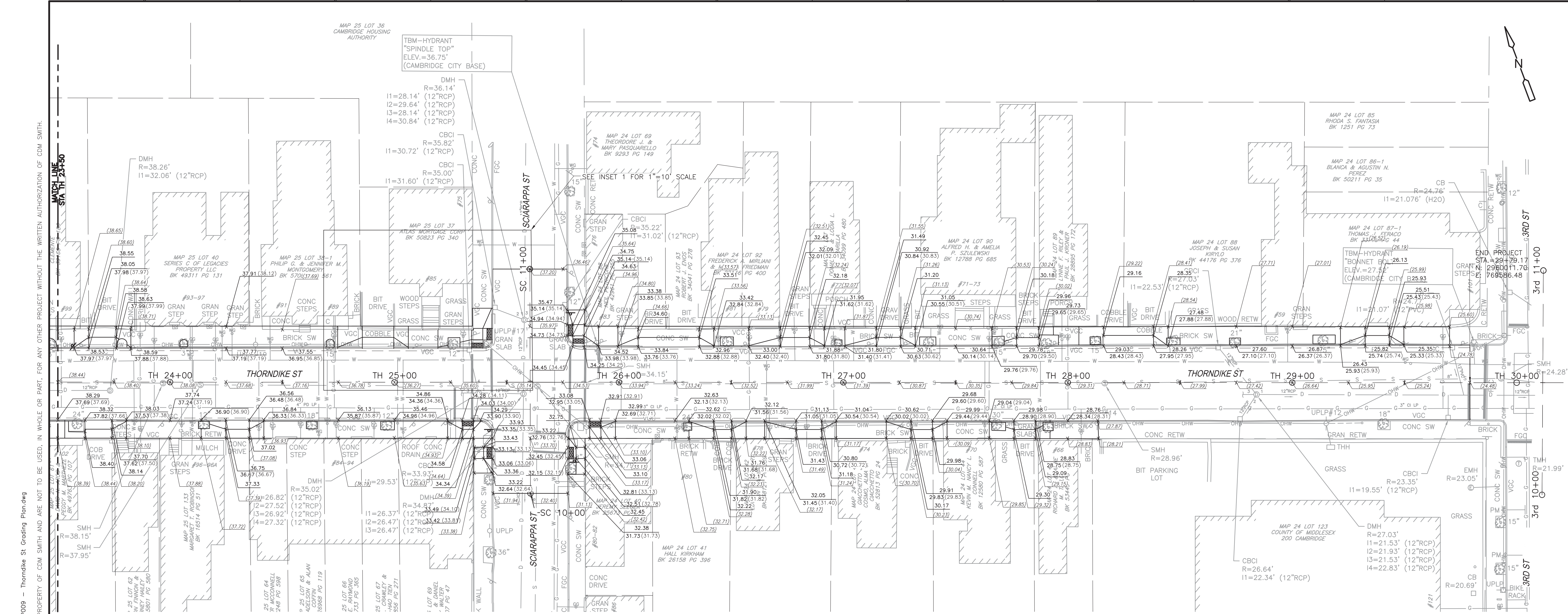
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GRADING PLAN  
 THORNDIKE ST

PROJECT NO. 0139-104431  
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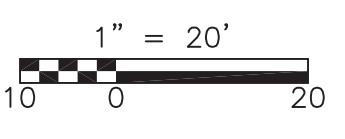
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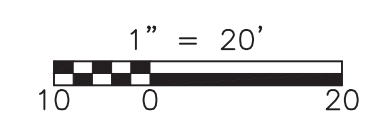
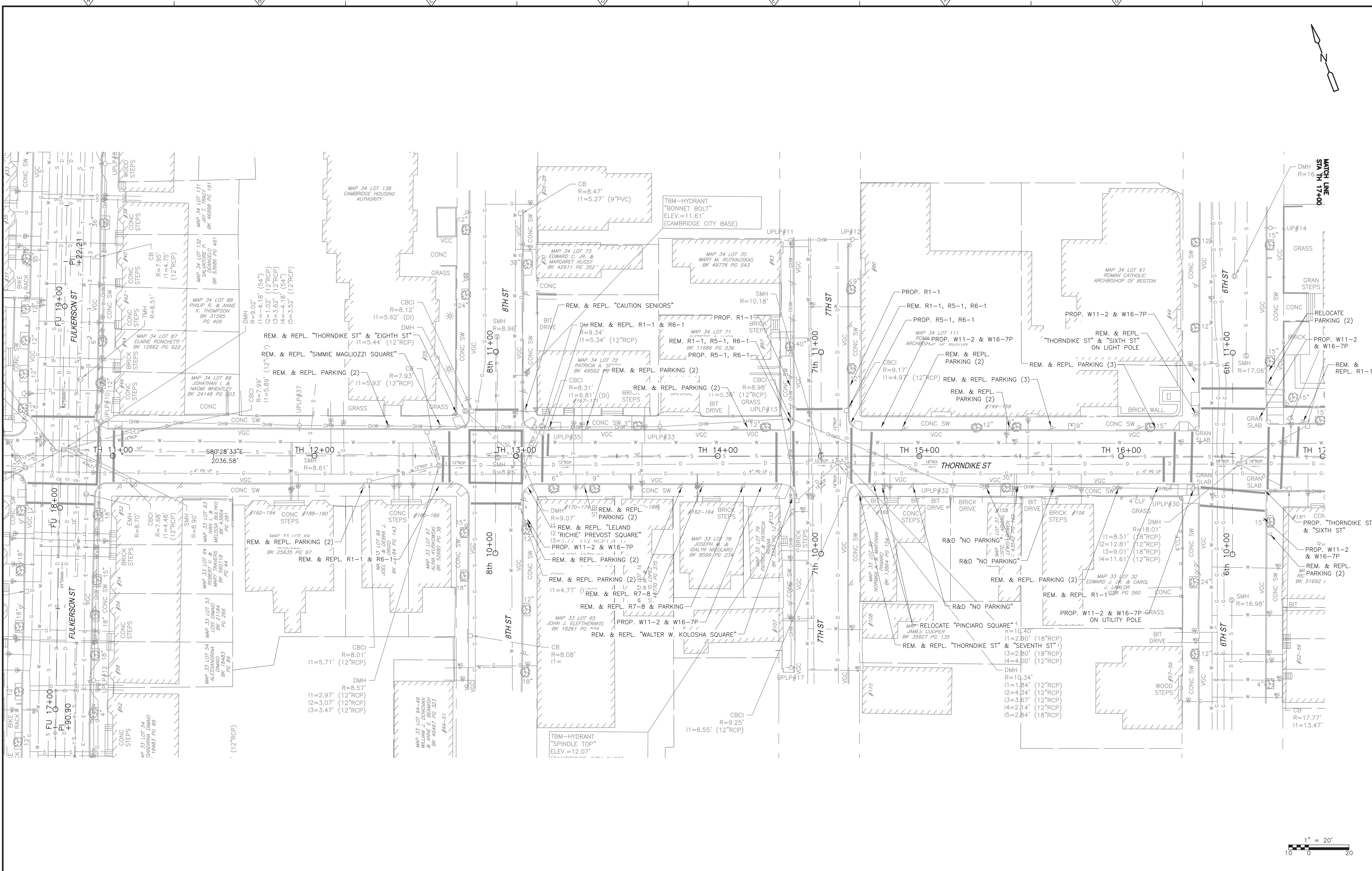
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 CONTRACT 19

GRADING PLAN  
 THORNDIKE ST

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 DATE: JANUARY 2016

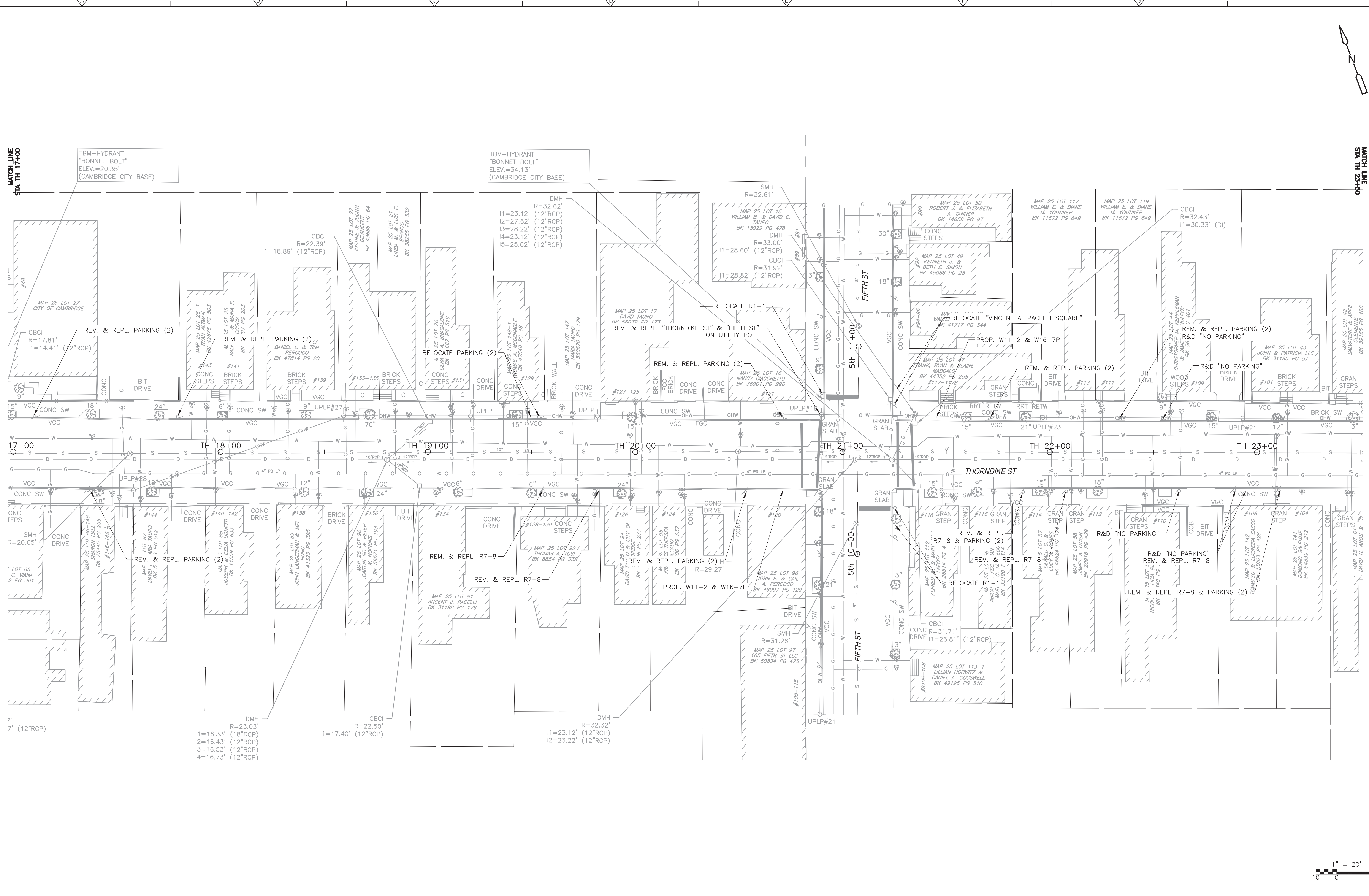


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**CHAPTER 90 ROADWAY & SIDEWALK RECONSTRUCTION  
 AND TRAFFIC CALMING  
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**PAVEMENT MARKING & SIGNING PLAN  
 THORNDIKE ST**

PROJECT NO. 0139-104431  
 FILE NAME: TSTPM009.DWG  
 SHEET NO. **35**

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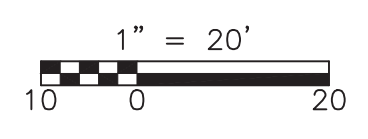
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 APPROVED BY: D. L. MURPHY  
 DATE: JANUARY 2016

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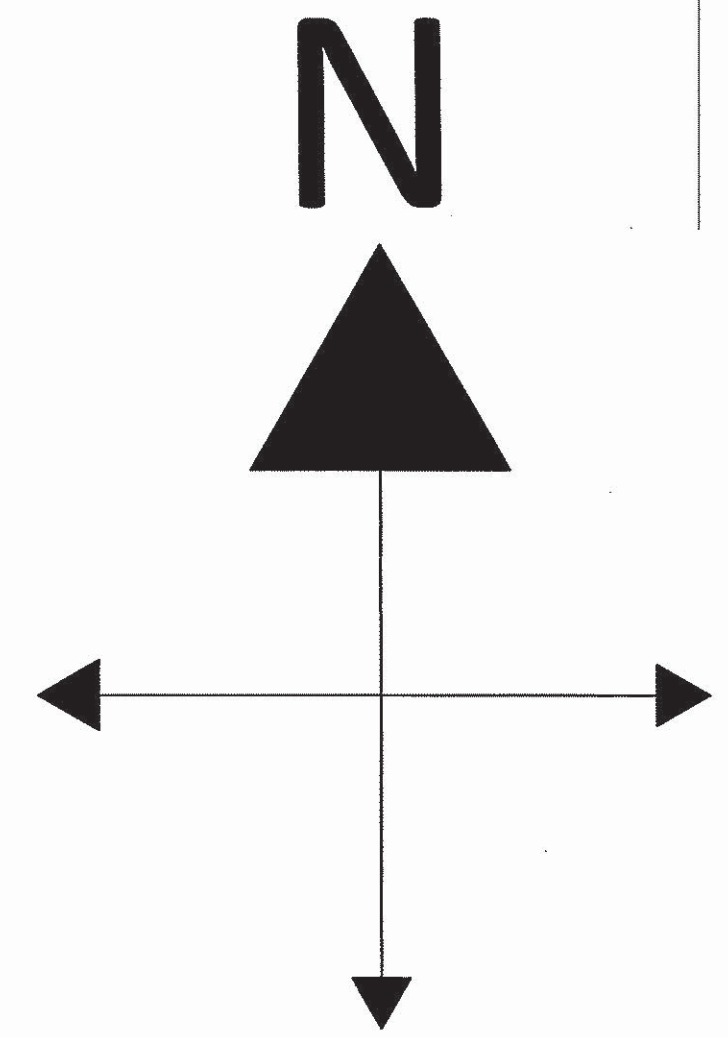
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 CONTRACT 19

PAVEMENT MARKING & SIGNING PLAN  
 THORNDIKE ST

PROJECT NO. 0139-104431  
 FILE NAME: TSTPM009.DWG  
 SHEET NO. 36







### Legend

- New WM
- Existing WM
- Sewer
- Electric
- Gas
- Manhole
- Existing WM Gate Valve
- New WM Gate Valve
- New WM Cap
- Catch Basin
- Hydrant
- New WM Reducer

CAMBRIDGE WATER DEPARTMENT

**8" NEW WATER MAINS**  
Thorndike St (Fulkerson St to Sciarrapa St)

THIS DRAWING IS ONLY INTENDED FOR WATER MAINS CONSTRUCTION AND IT SHOULD NOT BE USED FOR OTHER PURPOSES.

Note: Drawing Not To Scale



NO.	DATE	BY	CHK'D	REVISION
4		IEL		FOURTH SUBMITTAL
3		IEL		THIRD SUBMITTAL
2		IEL		SECOND SUBMITTAL
1		IEL		FIRST SUBMITTAL

DATE: June 2014

SCALE: AS NOTED

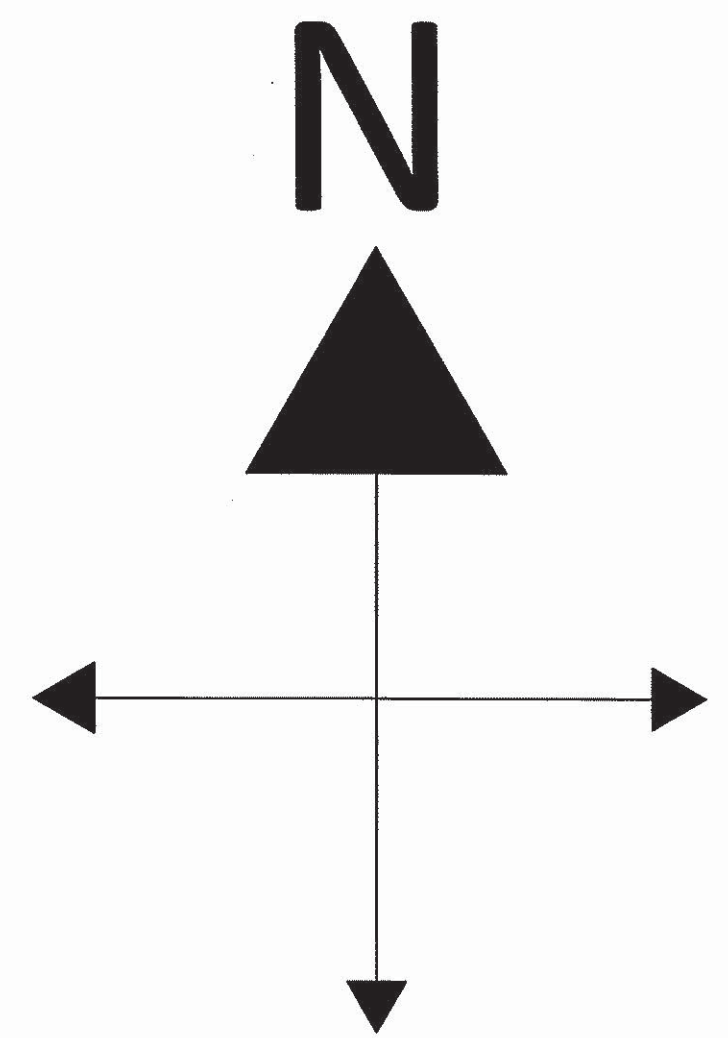
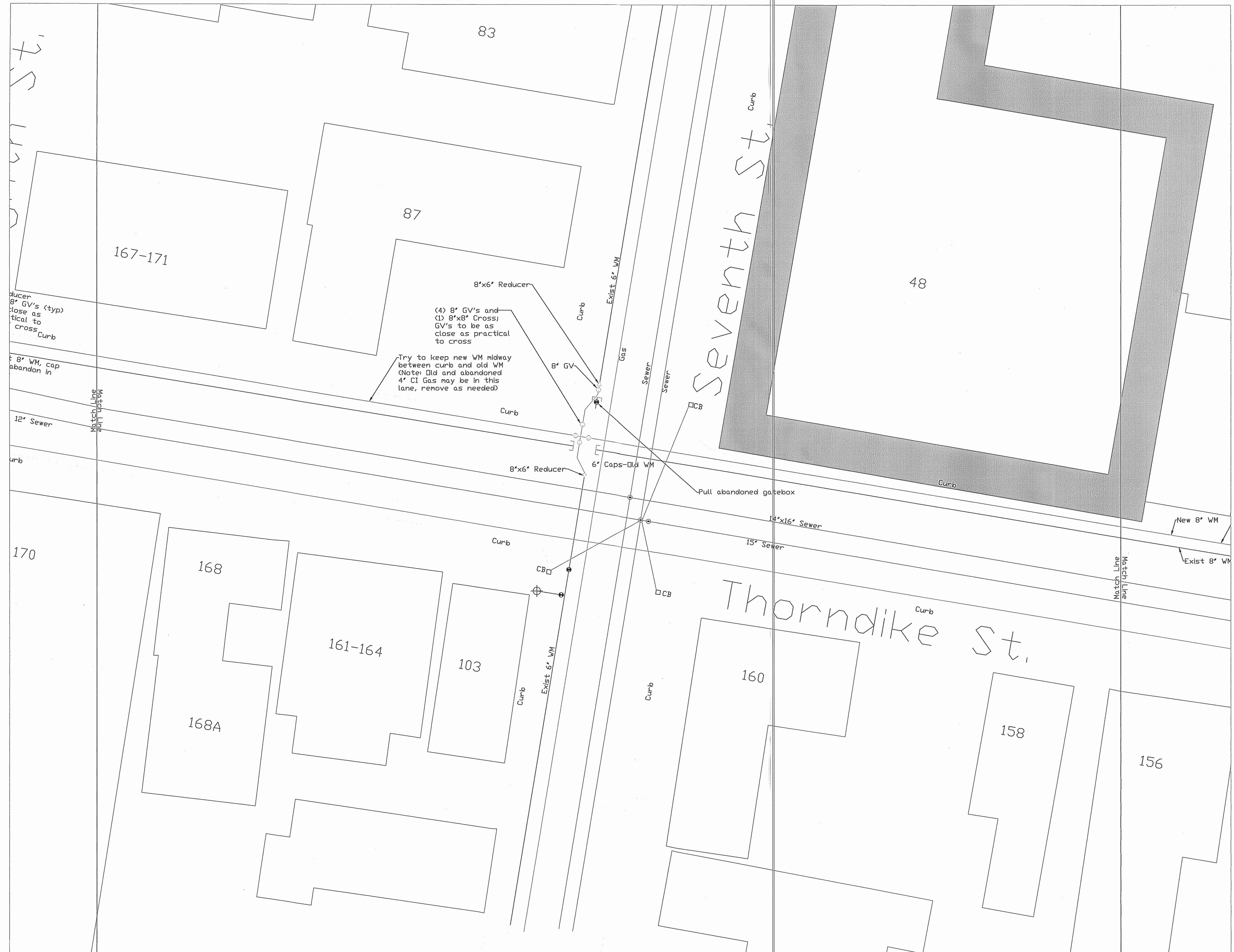
DESIGNED BY: \_\_\_\_\_

DRAWN BY: Matthew Leeb

CHECKED BY: \_\_\_\_\_

APPROVED BY: \_\_\_\_\_

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DETAIL RECORD NO: REFER DISTRIBUTION MAPS, GIS	1
PREPARED BY:	SHEET: 1
MAINTENANCE ENGINEERING & DISTRIBUTION CAMBRIDGE WATER DEPARTMENT	OF: 7



### Legend

- New WM
- Existing WM
- Sewer
- - - Electric
- Gas
- ⊙ Manhole
- ⊗ Existing WM Gate Valve
- ⊗ New WM Gate Valve
- New WM Cap
- Catch Basin
- ⊕ Hydrant
- ▲ New WM Reducer

**CAMBRIDGE WATER DEPARTMENT**

**8" NEW WATER MAINS**  
Thorndike St (Fulkerson St to Sciarrapa St)

---

PIPE NO:	SHEET NO.
DETAIL RECORD NO: REFER DISTRIBUTION MAPS, GIS	2
PREPARED BY:	SHEET: 2
<b>MAINTENANCE ENGINEERING &amp; DISTRIBUTION</b> CAMBRIDGE WATER DEPARTMENT	OF: 7

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Note: Drawing Not To Scale



NO.	DATE	BY	CHK'D	REVISION
4		IEL		FOURTH SUBMITTAL
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DATE: June 2014

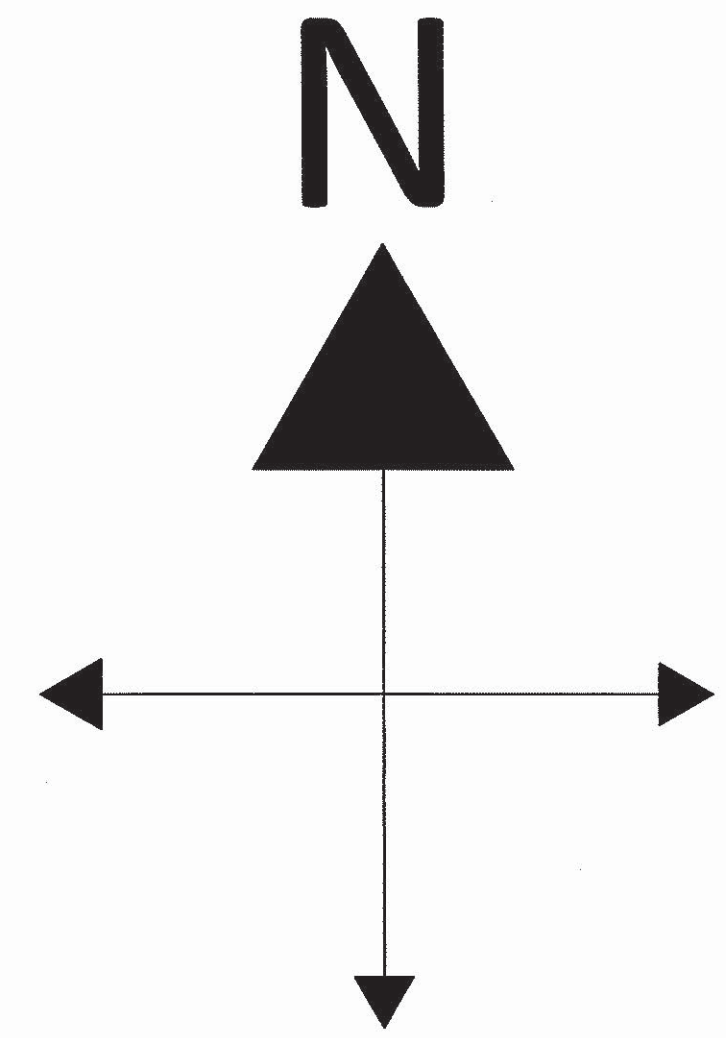
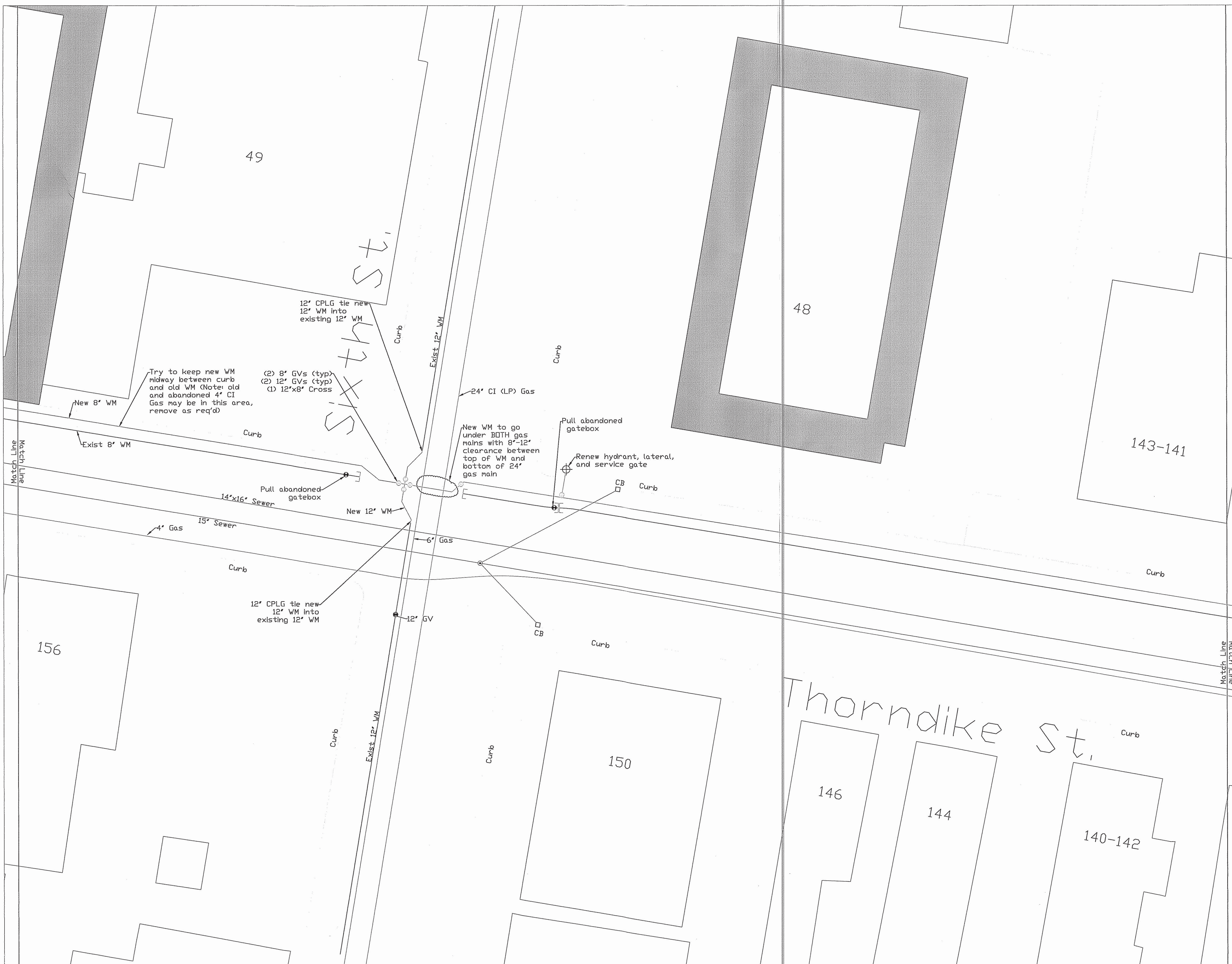
SCALE: AS NOTED

DESIGNED BY: \_\_\_\_\_

DRAWN BY: Matthew Teal

CHECKED BY: \_\_\_\_\_

APPROVED BY: \_\_\_\_\_



**Legend**

- New WM
- Existing WM
- Sewer
- Electric
- Gas
- ⊙ (MH) Manhole
- ⊗ Existing WM Gate Valve
- ⊗ (X) New WM Gate Valve
- New WM Cap
- Catch Basin
- ⊕ Hydrant
- ▶ New WM Reducer

CAMBRIDGE WATER DEPARTMENT

**8" NEW WATER MAINS**

Thorndike St (Fulkerson St to Sciarrapa St)

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Note: Drawing Not To Scale

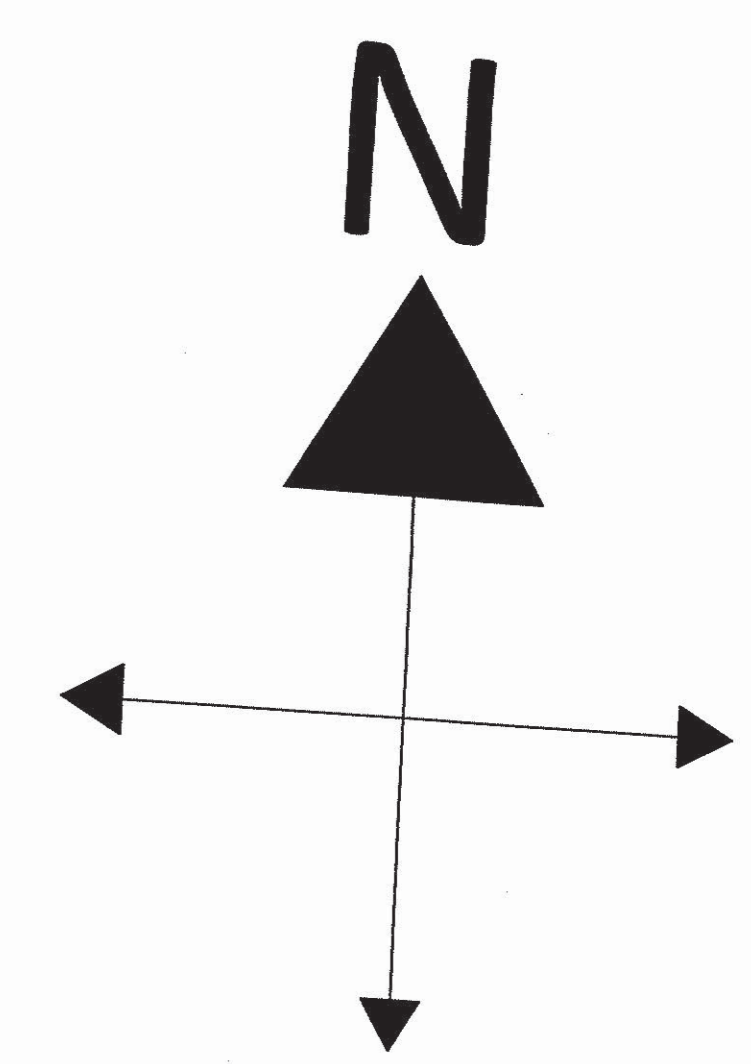
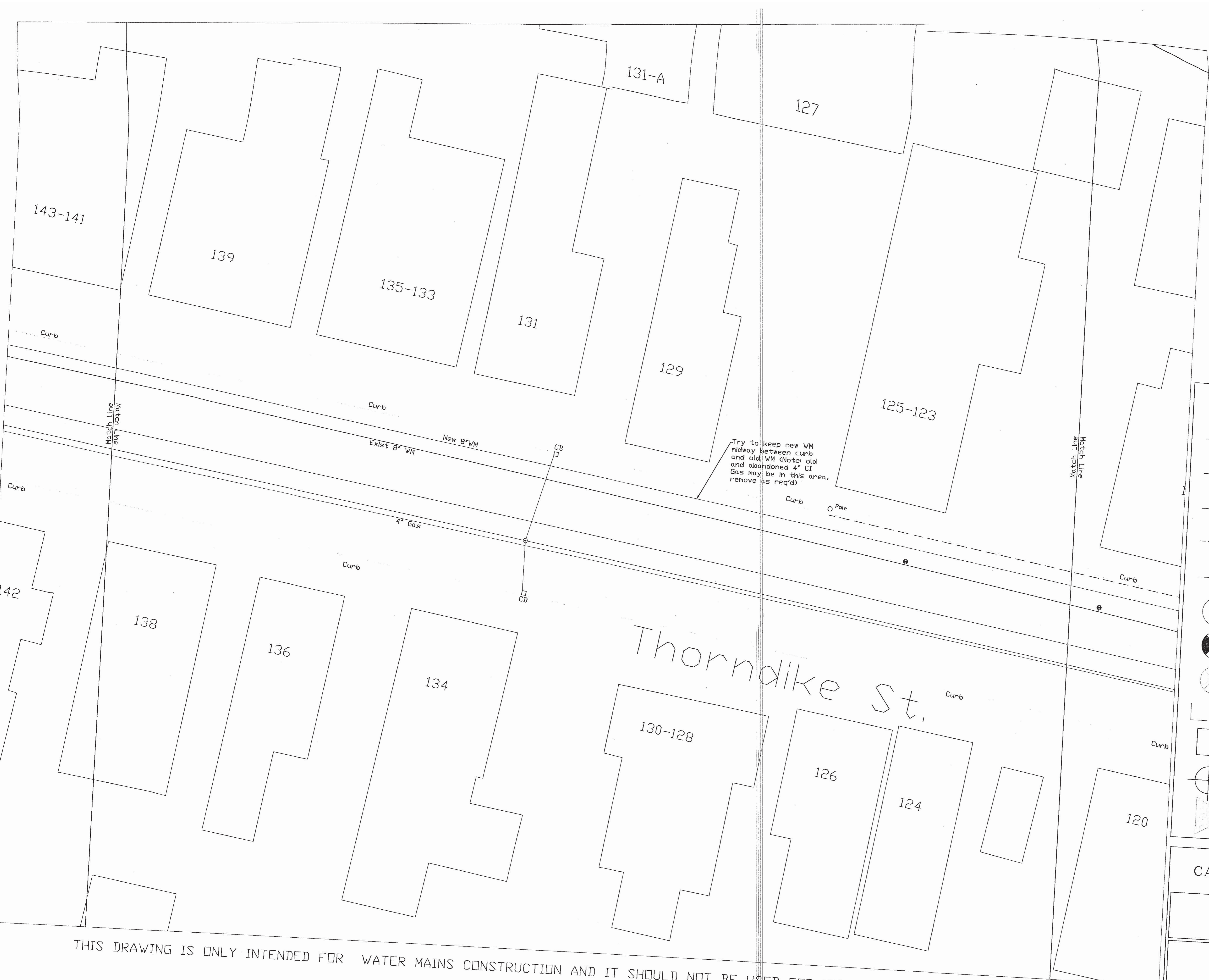


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1		IEL		FIRST SUBMITTAL

DATE: June 2014  
SCALE: AS NOTED

DESIGNED BY: \_\_\_\_\_  
DRAWN BY: Matthew Tebb  
CHECKED BY: \_\_\_\_\_  
APPROVED BY: \_\_\_\_\_

PIPE NO:	SHEET NO. <b>3</b>
DETAIL RECORD NO: REFER DISTRIBUTION MAPS, GIS	SHEET: 3
PREPARED BY: MAINTENANCE ENGINEERING & DISTRIBUTION CAMBRIDGE WATER DEPARTMENT	OF: 7



### Legend

- New WM
- Existing WM
- Sewer
- Electric
- Gas
- Manhole
- Existing WM Gate Valve
- New WM Gate Valve
- WM Cap
- Catch Basin
- Hydrant
- New WM Reducer

Try to keep new WM midway between curb and old WM (Note: old and abandoned 4" CI Gas may be in this area, remove as req'd)

**CAMBRIDGE WATER DEPARTMENT**

**8" NEW WATER MAINS**  
Thorndike St (Fulkerson St to Sciarrapa St)

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PIPE NO: \_\_\_\_\_ SHEET NO: **4**

DETAIL RECORD NO: REFER DISTRIBUTION MAPS, GIS SHEET: **4**

PREPARED BY: **MAINTENANCE ENGINEERING & DISTRIBUTION**  
CAMBRIDGE WATER DEPARTMENT OF: **7**

THIS DRAWING IS ONLY INTENDED FOR WATER MAINS CONSTRUCTION AND IT SHOULD NOT BE USED FOR OTHER PURPOSES.

Note: Drawing Not To Scale ┌───┐ 10ft

4	IEL	FOURTH SUBMITTAL
3	IEL	THIRD SUBMITTAL
2	IEL	SECOND SUBMITTAL
1	IEL	FIRST SUBMITTAL
NO.	DATE	BY
		CHK'D

DATE: **June 2014**

SCALE: **AS NOTED**

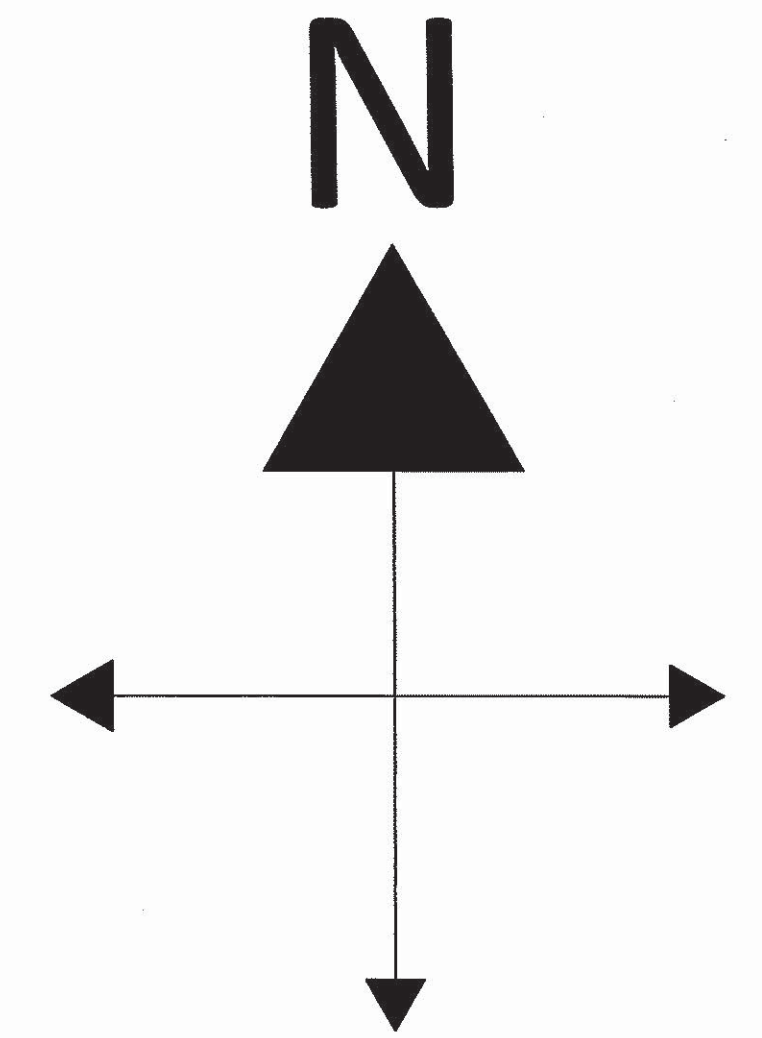
DESIGNED BY: \_\_\_\_\_

DRAWN BY: **Matthew Cook**

CHECKED BY: \_\_\_\_\_

APPROVED BY: \_\_\_\_\_





**Legend**

- New WM
- Existing WM
- Sewer
- - - Electric
- Gas
- ⊙ Manhole
- ⊗ Existing WM Gate Valve
- ⊕ New WM Gate Valve
- WM Cap
- Catch Basin
- ⊕ Hydrant
- ▶ New WM Reducer

CAMBRIDGE WATER DEPARTMENT

**8" NEW WATER MAINS**  
Thorndike St (Fulkerson St to Sciarrapa St)

THIS DRAWING IS ONLY INTENDED FOR WATER MAINS CONSTRUCTION AND IT SHOULD NOT BE USED FOR OTHER PURPOSES.

Note: Drawing Not To Scale



NO.	DATE	BY	CHK'D	REVISION
4		IEL		FOURTH SUBMITTAL
3		IEL		THIRD SUBMITTAL
2		IEL		SECOND SUBMITTAL
1		IEL		FIRST SUBMITTAL

DATE: June 2014

SCALE: AS NOTED

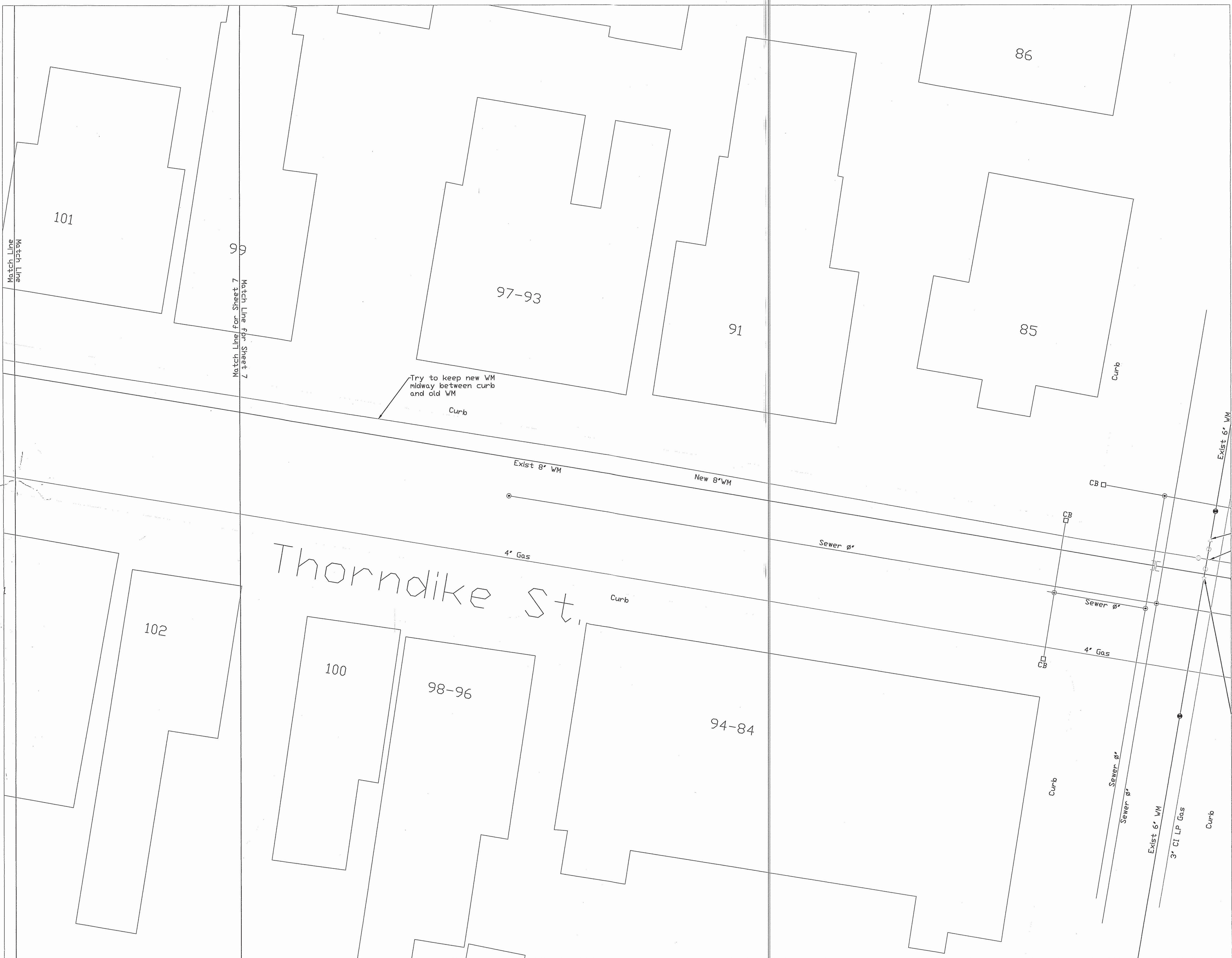
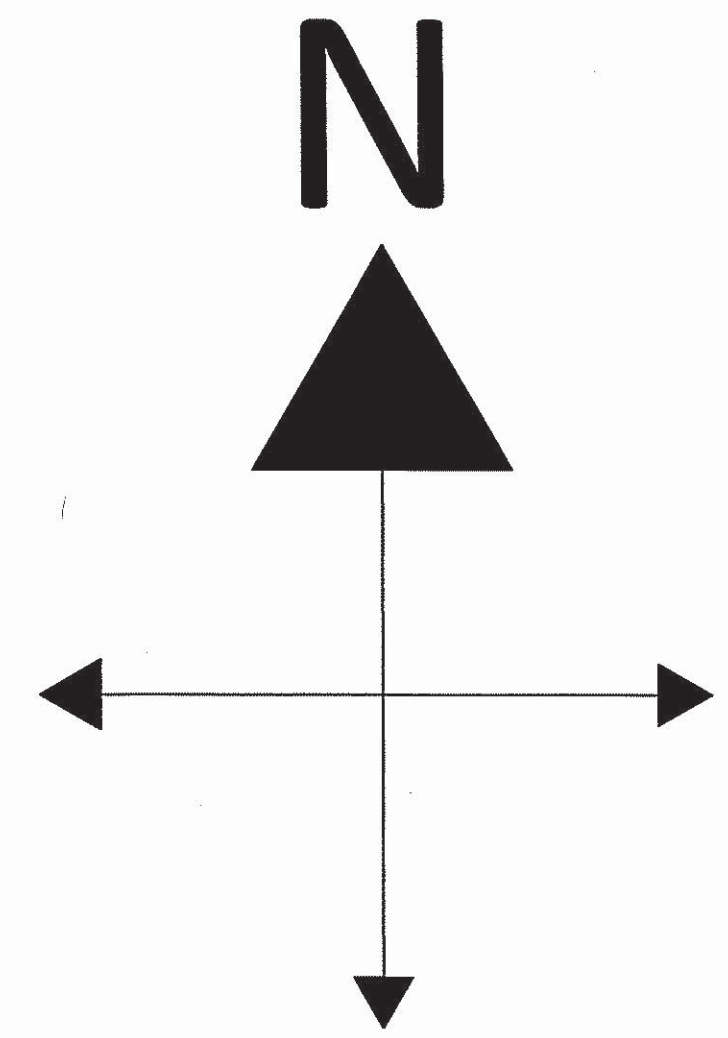
DESIGNED BY: \_\_\_\_\_

DRAWN BY: Matthew Teal

CHECKED BY: \_\_\_\_\_

APPROVED BY: \_\_\_\_\_

PIPE NO:		SHEET NO:	<b>5</b>
DETAIL RECORD NO:	REFER DISTRIBUTION MAPS, GIS	PREPARED BY:	MANTENANCE ENGINEERING & DISTRIBUTION CAMBRIDGE WATER DEPARTMENT
		OF:	7



### Legend

- New WM
- Existing WM
- Sewer
- - - Electric
- Gas
- ⊙ Sewer Manhole
- ⊗ Existing WM Gate Valve
- ⊗ New WM Gate Valve
- Existing WM Cap
- Catch Basin
- ⊕ Hydrant
- ▲ New WM Reducer

**CAMBRIDGE WATER DEPARTMENT**

**8" NEW WATER MAINS**  
Thorndike St (Fulkerson St to Sciarrapa St)

THIS DRAWING IS ONLY INTENDED FOR WATER MAINS CONSTRUCTION AND IT SHOULD NOT BE USED FOR OTHER PURPOSES.

Note: Drawing Not To Scale 10ft

NO.	DATE	BY	CHK'D	REVISION
4		IEL		FOURTH SUBMITTAL
3		IEL		THIRD SUBMITTAL
2		IEL		SECOND SUBMITTAL
1		IEL		FIRST SUBMITTAL

DATE: June 2014

SCALE: AS NOTED

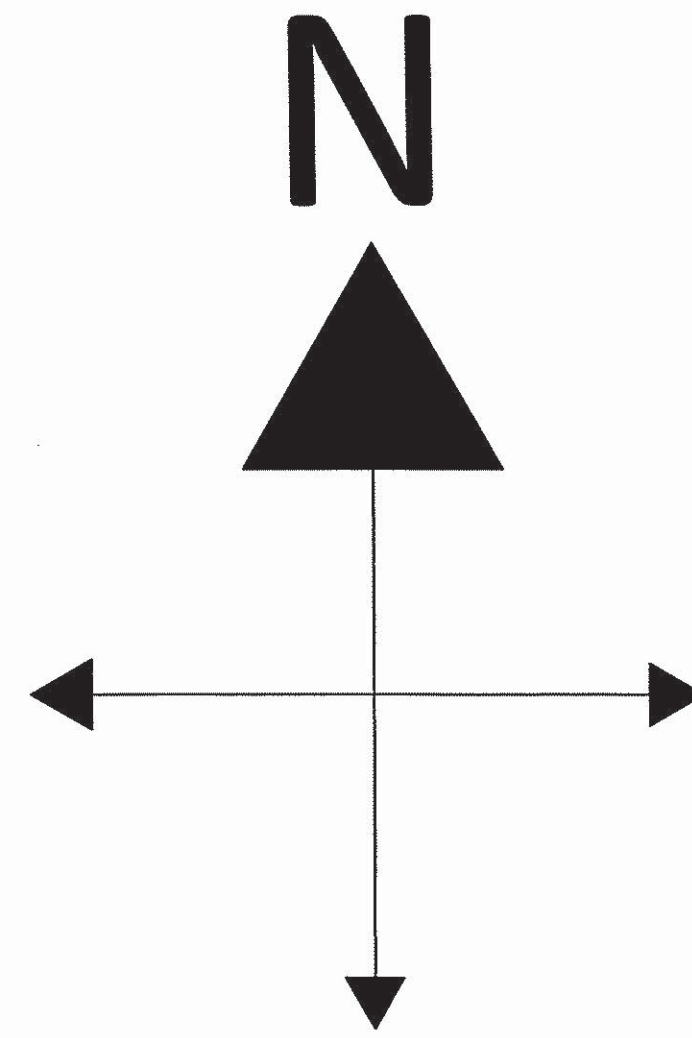
DESIGNED BY: \_\_\_\_\_

DRAWN BY: Matthew Teal

CHECKED BY: \_\_\_\_\_

APPROVED BY: \_\_\_\_\_

PIPE NO:	SHEET NO.
DETAIL RECORD NO: REFER DISTRIBUTION MAPS, GIS	<b>6</b>
PREPARED BY: MAINTENANCE ENGINEERING & DISTRIBUTION CAMBRIDGE WATER DEPARTMENT	SHEET: 6
	OF: 7



**Legend**

- New WM
- Existing WM
- Sewer
- - - Electric
- Gas
- ⊙ (MH) Manhole
- ⊗ Existing WM Gate Valve
- ⊙ (X) New WM Gate Valve
- New WM Cap
- Catch Basin
- ⊕ Hydrant
- ▲ New WM Reducer

CAMBRIDGE WATER DEPARTMENT

**8" NEW WATER MAINS**  
 Thorndike St (Fulkerson St to Sciarrapa St)

THIS DRAWING IS ONLY INTENDED FOR WATER MAINS CONSTRUCTION AND IT SHOULD NOT BE USED FOR OTHER PURPOSES.

Note: Drawing Not To Scale



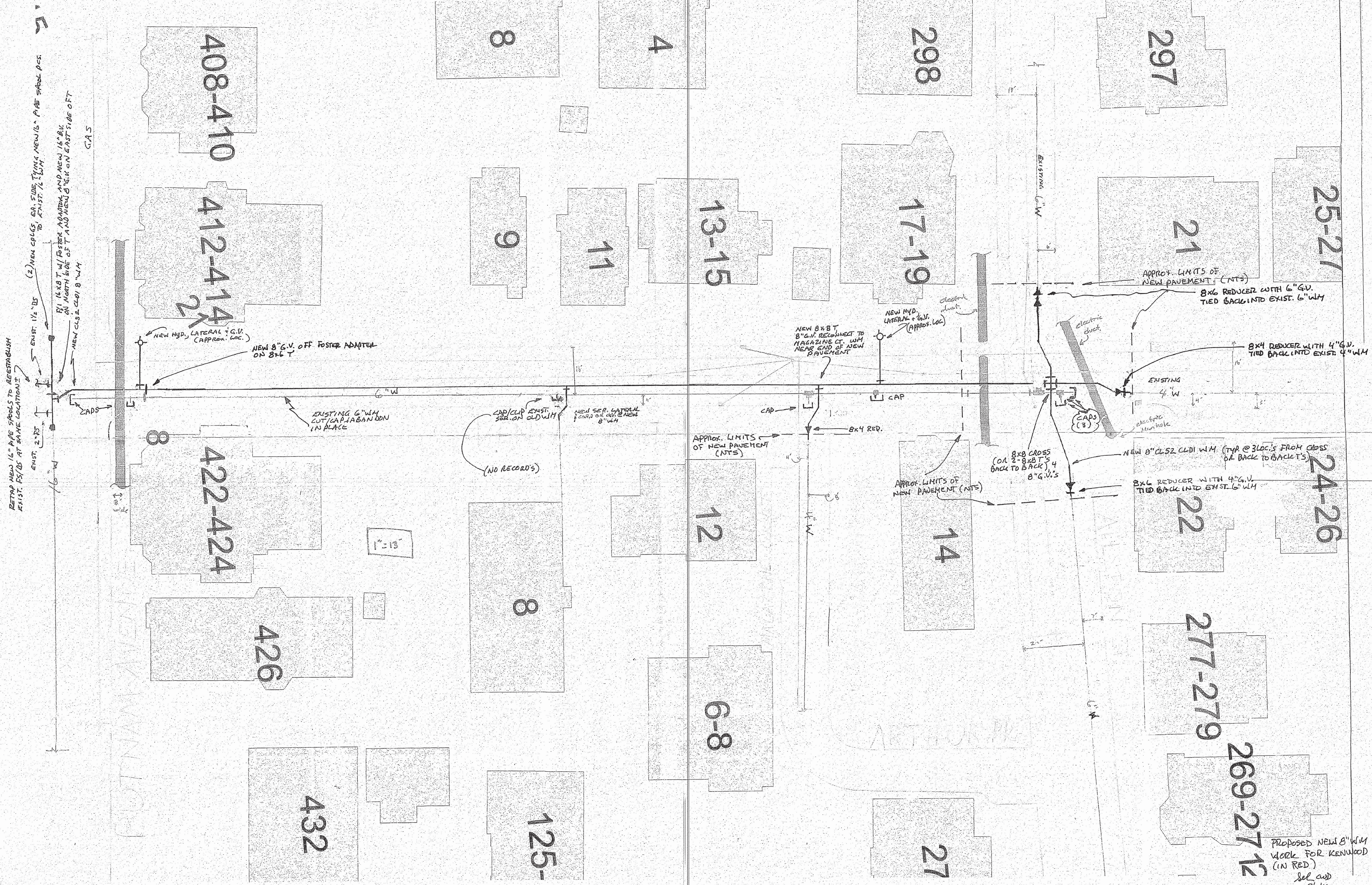
NO.	DATE	BY	CHK'D	REVISION
4		IEL		FOURTH SUBMITTAL
3		IEL		THIRD SUBMITTAL
2		IEL		SECOND SUBMITTAL
1		IEL		FIRST SUBMITTAL

DATE: June 2014  
 SCALE: AS NOTED

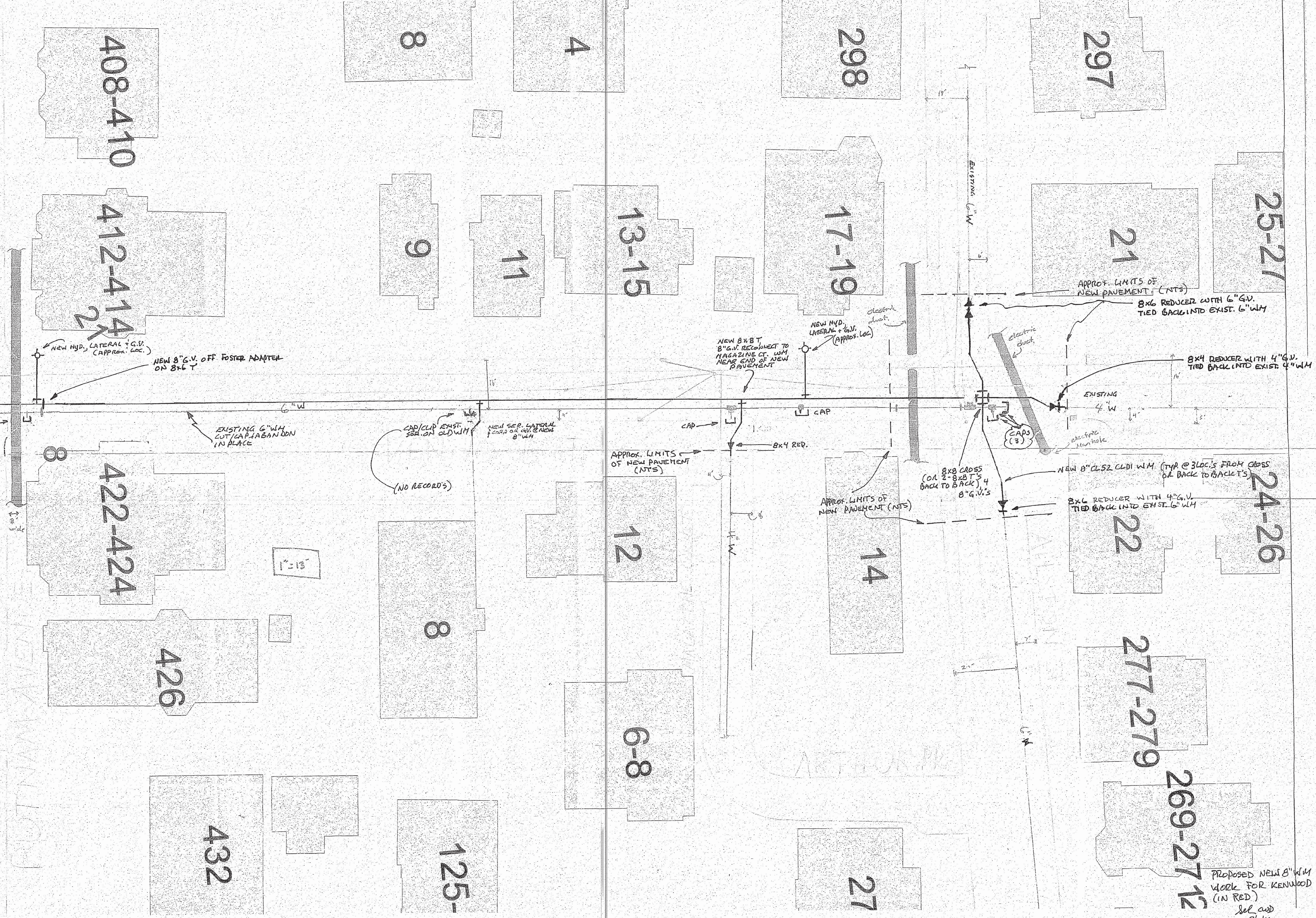
DESIGNED BY: \_\_\_\_\_  
 DRAWN BY: Matthew Teal  
 CHECKED BY: \_\_\_\_\_  
 APPROVED BY: \_\_\_\_\_

PIPE NO:	SHEET NO. <b>7</b>
DETAIL RECORD NO: REFER DISTRIBUTION MAPS, GIS	PREPARED BY: MAINTENANCE ENGINEERING & DISTRIBUTION CAMBRIDGE WATER DEPARTMENT
	OF: 7





RETRAP NEW 1/2" PVE SPACES TO REESTABLISH  
 EXIST. PVE AT SAME LOCATION ±  
 ENST. 2'-15"  
 (2) NEW CAPS EA. SIDE TYP. NEW 1/2" PVE SPAC. PVE.  
 TO EXIST. 1/2" PVE.  
 BY 1/2" PVE TYP. FOSTER ADAPTER AND NEW 1/2" PVE  
 ON NORTH SIDE OF T AND NEW 8" G.V. ON EAST SIDE OF T.  
 NEW CLS 2 CLD 8" W.M.



PROPOSED NEW 8" W.M.  
 WORK FOR KENWOOD ST.  
 (IN RED)  
 JEL AND  
 9/7/16