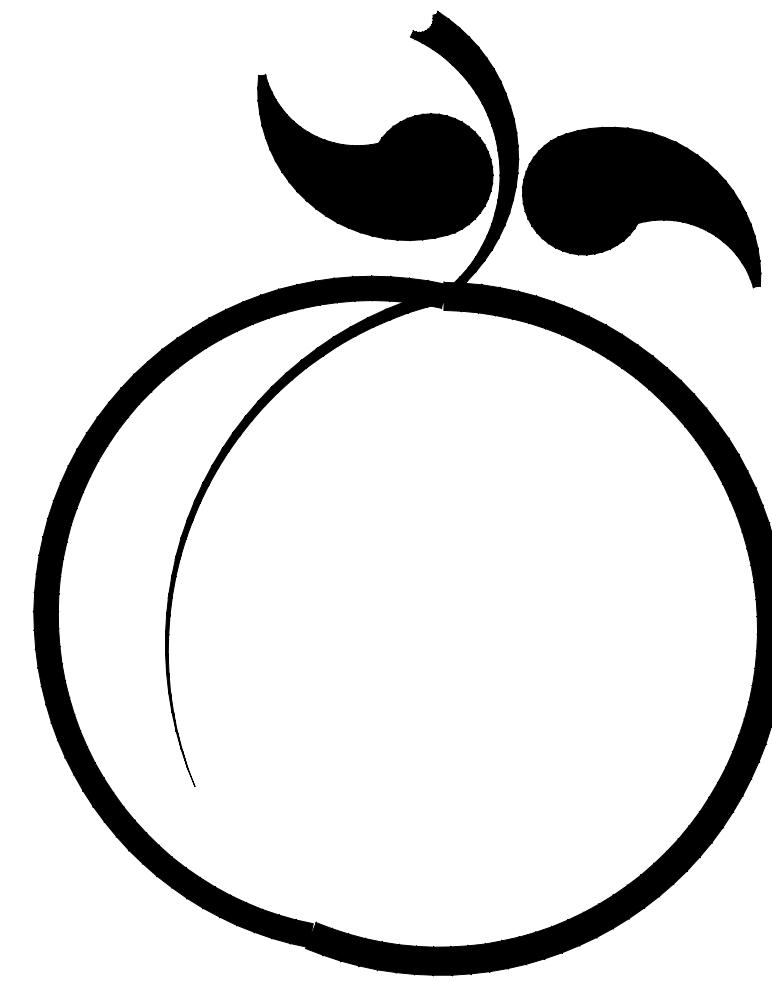


DRAWINGS FOR

EAST ADDITION PHASE 1 IMPROVEMENTS



INDEX OF DRAWINGS	
SHT. NO.	DESCRIPTION
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G-2	LOCATION MAP & NOTES
G-3	TYPICAL CROSS SECTIONS
G-4	EROSION CONTROL PLAN
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W-1 to W-11	WATER PLAN & PROFILE
P-1 to P-11	PAVING/STORM SEWER PLAN & PROFILE
O-1 to O-4	OUTFALL DITCH PLAN & PROFILE
F-1 to F-5	FORCE MAIN PLAN & PROFILE
D-1	SANITARY SEWER DETAILS
D-2	STORM SEWER DETAILS
D-3	INLET STAKING DETAILS & STORM SEWER DETAILS
D-4	PAVING DETAILS
D-5	EROSION CONTROL DETAILS
D-6	MISCELLANEOUS DETAILS
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X-4 to X-6	5TH STREET CROSS SECTIONS
X-7 to X-9	6TH STREET CROSS SECTIONS
X-10 to X-12	7TH STREET CROSS SECTIONS
X-13 to X-17	KENNEDY STREET CROSS SECTIONS

LEXINGTON, NEBRASKA 2020

**M&A PROJECT NO. 127-A1-118-20
RTP PROJECT NO. 2020-00?**



SET NO. _____
DRAWING NO. _____

UTILITIES

GENERAL DIGGERS HOT LINE
8-1-1



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1111 Central Avenue - Kearney, NE 68847



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EAST ADDITION PHASE 1 IMPROVEMENTS
LOCATION MAP & NOTES
 LEXINGTON, NEBRASKA

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LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	HEDGE ROW, TREELINE, WOODS		PROPERTY LINE
	HEDGES, BUSHES, SHRUBS OR WOODS		CENTERLINE
	DECIDUOUS TREE AND TRUNK SIZE		SECTION LINE
	CONIFEROUS TREE AND TRUNK SIZE		RIGHT-OF-WAY
	GAS METER OR REGULATOR		PERMANENT EASEMENT
	WATER METER		CONSTRUCTION EASEMENT
	PROPOSED WATER VALVE		12" WATER MAIN AND SIZE
	EXISTING WATER VALVE		36" STORM SEWER AND SIZE
	PROPOSED FIRE HYDRANT		12" SANITARY SEWER AND SIZE
	EXISTING FIRE HYDRANT		OVERHEAD ELECTRICAL LINE
	ELECTRICAL BOX		UNDERGROUND ELECTRICAL LINE
	POWER POLE		UNDERGROUND TELEPHONE LINE
	POWER POLE WITH LIGHT		UNDERGROUND GAS LINE
	GUY WIRE		UNDERGROUND CABLE TV LINE
	TRAFFIC LIGHT		UNDERGROUND FIBER OPTIC LINE
	TELEPHONE RISER		EXISTING GROUND CONTOUR
	STREET SIGN		NEW GROUND CONTOUR
	MAILBOX		DRAINAGE COURSE OR FLOW LINE
	SECTION CORNER		CURB INLET
	CONTROL POINT, TBM		GRATE INLET
	PROPERTY PIN		MANHOLE
	CULVERT		CLEANOUT
	RAILROAD TRACKS		MONITOR WELL LOCATION
	BASE LINE		
	FENCE		

NOTES:

- CONTRACTOR IS TO COORDINATE ALL STREET CLOSINGS WITH THE CITY OF LEXINGTON. NOTIFY FIRE/RESCUE DEPARTMENT, AND ALL ADJOINING PROPERTY OWNERS 72 HOURS PRIOR TO CLOSING STREETS OR DRIVES, OR AS NOTED IN THE SPECIFICATIONS.
- THE LOCATION OF ALL AERIAL AND UNDERGROUND UTILITY FACILITIES MAY NOT BE INDICATED IN THESE DRAWINGS. UNDERGROUND UTILITIES, WHETHER INDICATED OR NOT, WILL BE LOCATED AND FLAGGED BY THE UTILITIES AT THE REQUEST OF THE CONTRACTOR.
- NO EXCAVATION WILL BE PERMITTED IN THE AREA OF UNDERGROUND UTILITY FACILITIES UNTIL ALL SUCH FACILITIES HAVE BEEN LOCATED AND IDENTIFIED TO THE SATISFACTION OF ALL PARTIES AND THEN ONLY WITH EXTREME CARE TO AVOID ANY POSSIBILITY OF DAMAGE TO THE UTILITY FACILITY.
- ALL SIGNS, MAILBOXES, CULVERTS, GUYWIRES, FENCES, AND PROPERTY PINS ENCOUNTERED DURING THE CONTRACTOR'S OPERATIONS SHALL BE RESTORED TO ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
- THE QUANTITIES OF EACH ITEM LISTED ON THE BID SCHEDULE MAY VARY FROM THE TOTAL QUANTITIES. THE CITY MAY ADD OR DELETE FROM THE PROJECT, PORTIONS OF IMPROVEMENTS.
- SAW CUTTING OF PAVEMENT IS REQUIRED FOR REMOVAL AND IS INCIDENTAL TO THE PROJECT. ADDITIONAL SAW CUTTING BEYOND THAT WHICH IS INDICATED ON THE DRAWINGS MAY BE REQUIRED.
- TOPSOIL SHALL BE REMOVED, STOCKPILED AND REPLACED FOR ALL EXCAVATION AREAS.
- CONTRACTOR SHALL GUARD AND PROTECT ALL TREES, SHRUBS, FENCES, AND OTHER ITEMS NOT SPECIFICALLY MARKED FOR REMOVAL.
- THE CONTRACTOR MAY CLOSE THE ROAD TO ALL BUT LOCAL TRAFFIC SUBJECT TO THE CONDITIONS PRESCRIBED IN THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL COORDINATE WITH CITY AND FIND A SUITABLE LOCATION BEYOND THE LIMITS OF THE RIGHT-OF-WAY TO DISPOSE OF EXCESS MATERIAL.

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LEXINGTON, NEBRASKA

VERIFY SCALES

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SCALE:	
PROJECT NO.	127-A1-118
DATE:	SEPTEMBER, 2020
FIELD BOOK	M&A DWG NO.
	MA NUMBER
DRAWN BY:	APRVD BY:
SHEET	

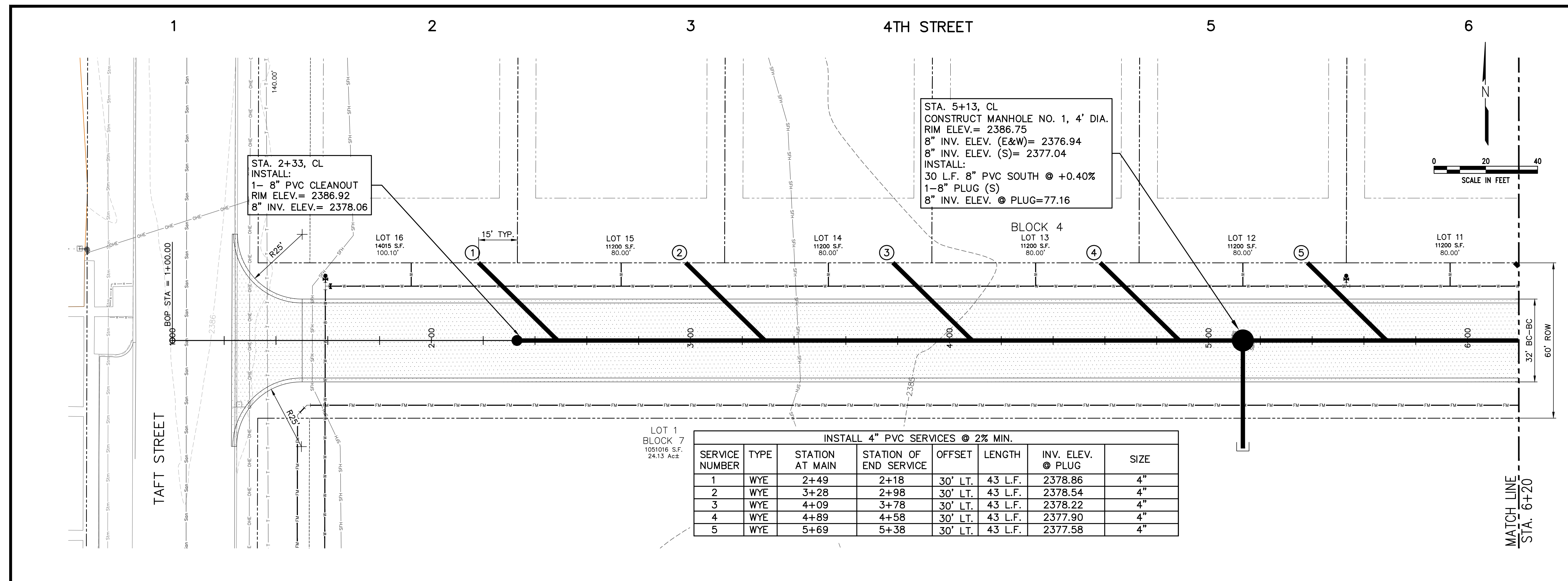


EAST ADDITION PHASE 1 IMPROVEMENTS
SANITARY SEWER PLAN & PROFILE
 LEXINGTON, NEBRASKA

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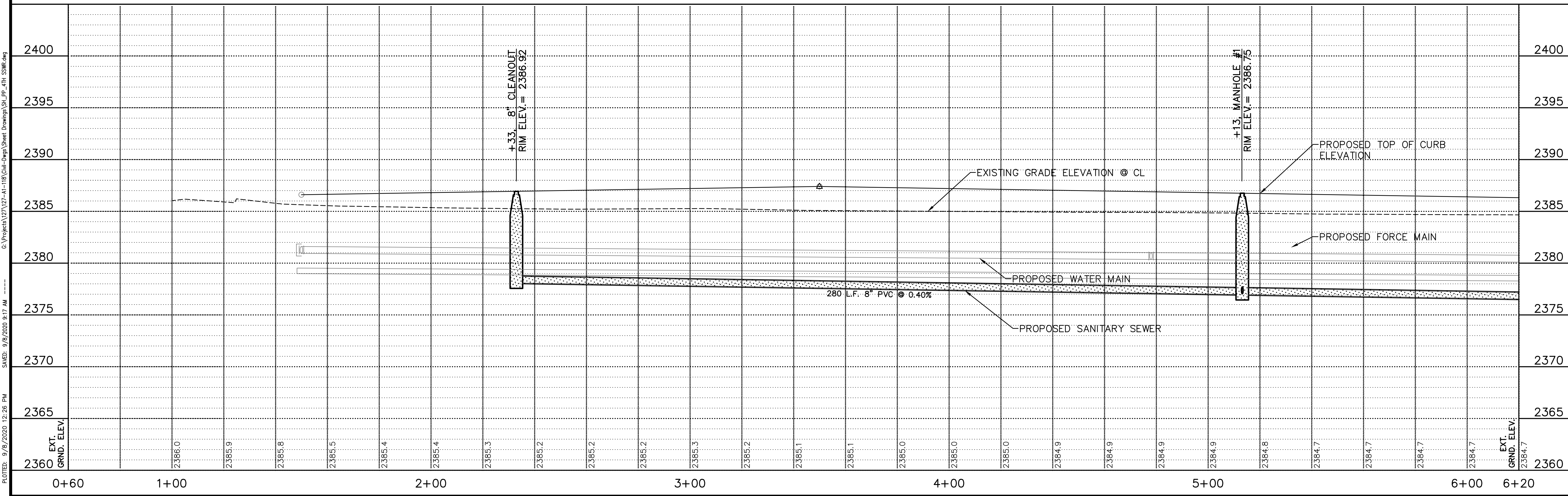
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 DATE: SEPTEMBER, 2020
 FIELD BOOK M&A DWG NO. MA NUMBER
 DRAWN BY: APRVD BY:

SHEET **S-1**



INSTALL 4" PVC SERVICES @ 2% MIN.

SERVICE NUMBER	TYPE	STATION AT MAIN	STATION OF END SERVICE	OFFSET	LENGTH	INV. ELEV. @ PLUG	SIZE
1	WYE	2+49	2+18	30' LT.	43 L.F.	2378.86	4"
2	WYE	3+28	2+98	30' LT.	43 L.F.	2378.54	4"
3	WYE	4+09	3+78	30' LT.	43 L.F.	2378.22	4"
4	WYE	4+89	4+58	30' LT.	43 L.F.	2377.90	4"
5	WYE	5+69	5+38	30' LT.	43 L.F.	2377.58	4"



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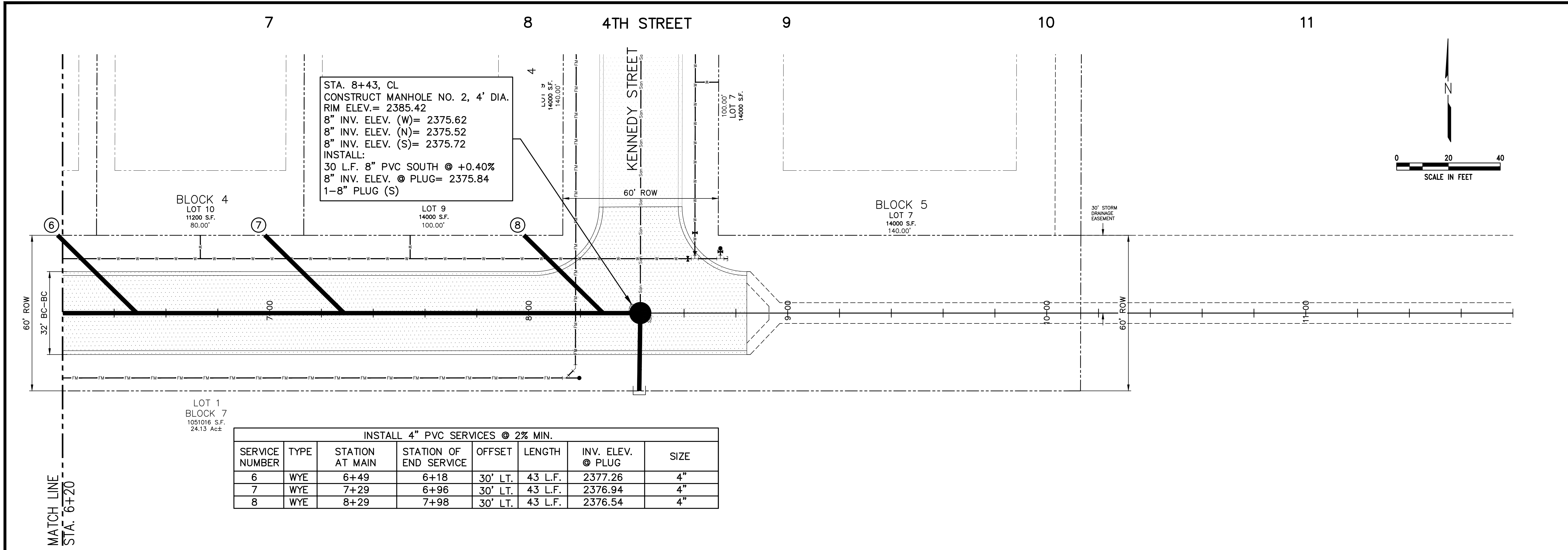
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PROJECT NO.
127-A1-118

DATE:
SEPTEMBER, 2020
FIELD BOOK
M&A DWG NO.
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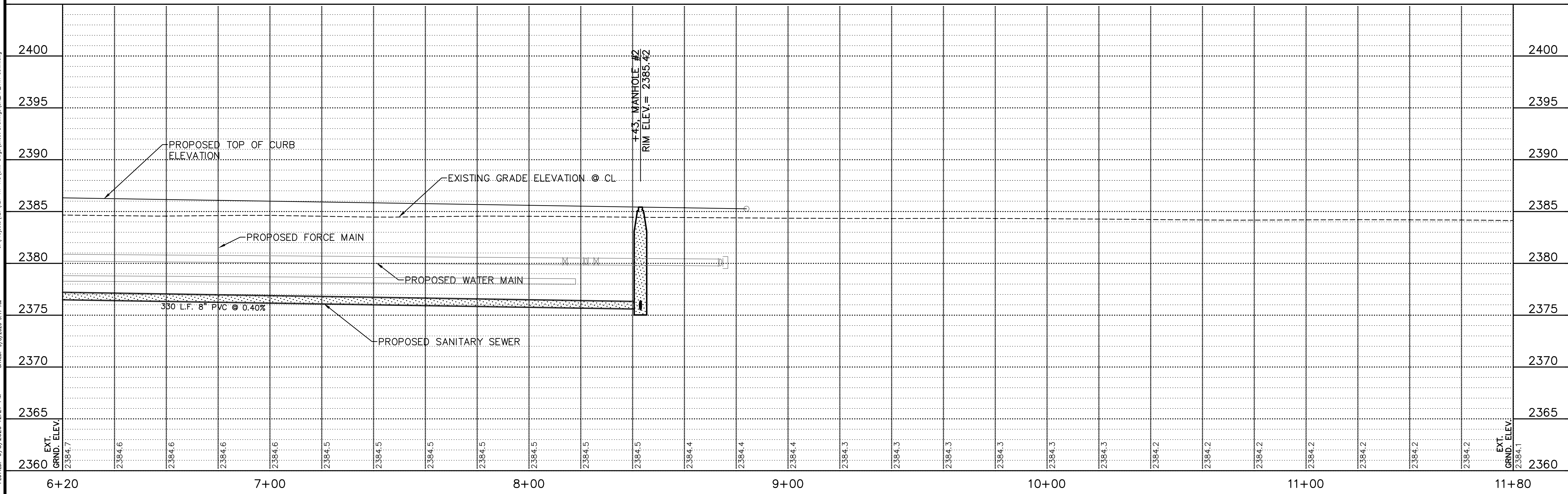
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APRVD BY:



STA. 8+43, CL
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8" INV. ELEV. (W)= 2375.62
8" INV. ELEV. (N)= 2375.52
8" INV. ELEV. (S)= 2375.72
INSTALL:
30 L.F. 8" PVC SOUTH @ +0.40%
8" INV. ELEV. @ PLUG= 2375.84
1-8" PLUG (S)

INSTALL 4" PVC SERVICES @ 2% MIN.

SERVICE NUMBER	TYPE	STATION AT MAIN	STATION OF END SERVICE	OFFSET	LENGTH	INV. ELEV. @ PLUG	SIZE
6	WYE	6+49	6+18	30' LT.	43 L.F.	2377.26	4"
7	WYE	7+29	6+96	30' LT.	43 L.F.	2376.94	4"
8	WYE	8+29	7+98	30' LT.	43 L.F.	2376.54	4"



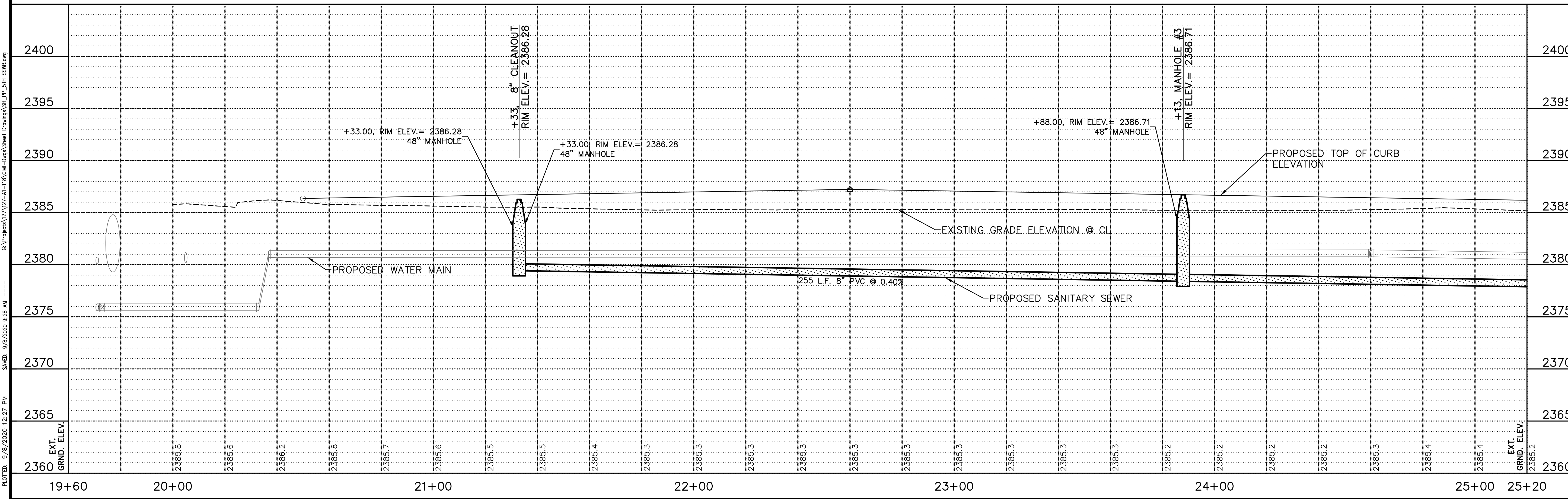
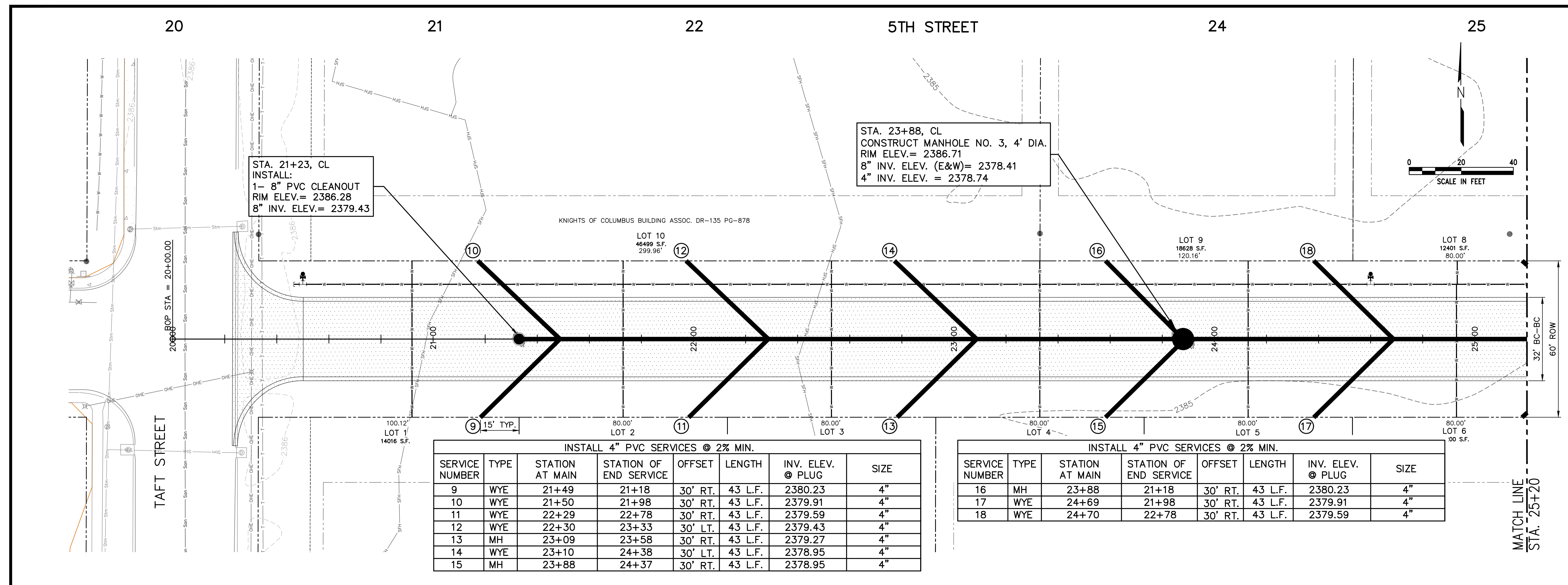
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 LEXINGTON, NEBRASKA

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 DATE: SEPTEMBER, 2020
 FIELD BOOK: M&A DWG NO. MA NUMBER
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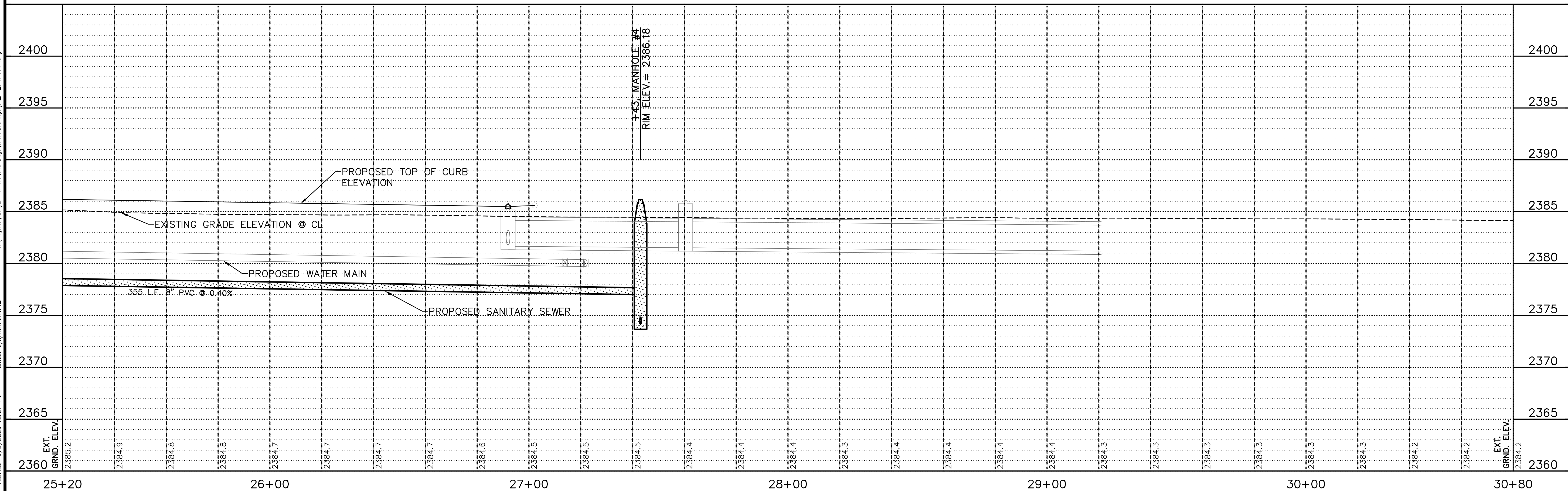
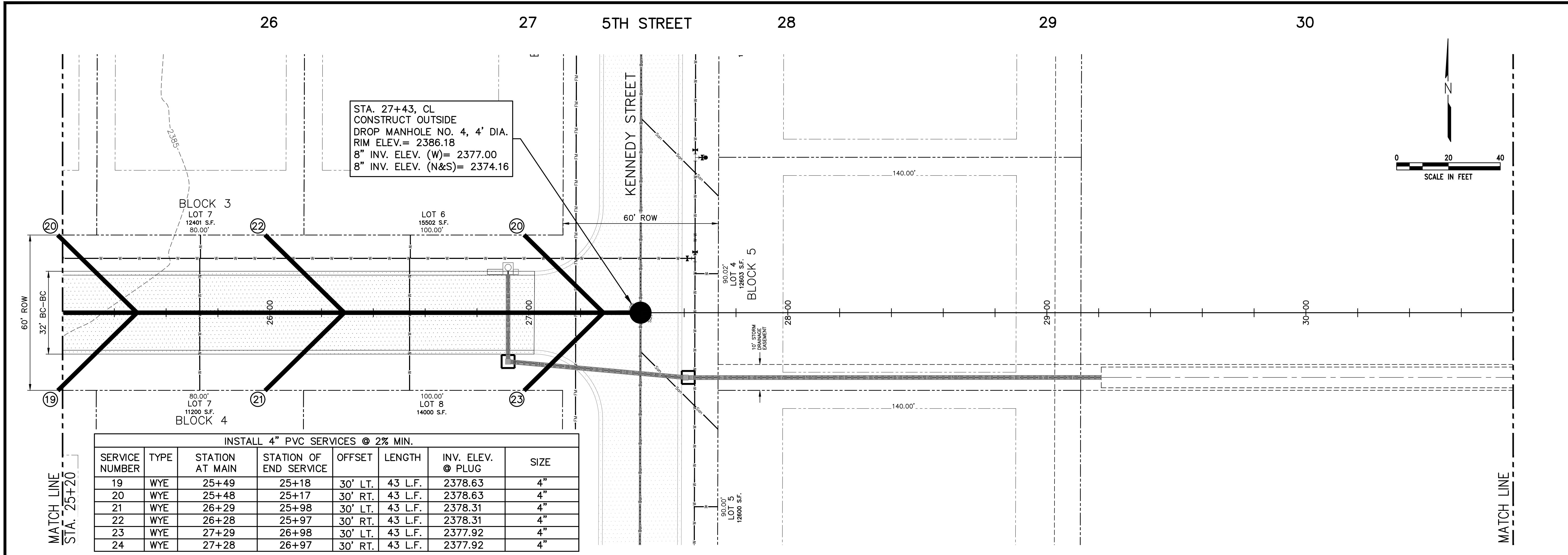


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DATE: SEPTEMBER, 2020
FIELD BOOK M&A DWG NO.
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SHEET **S-4**



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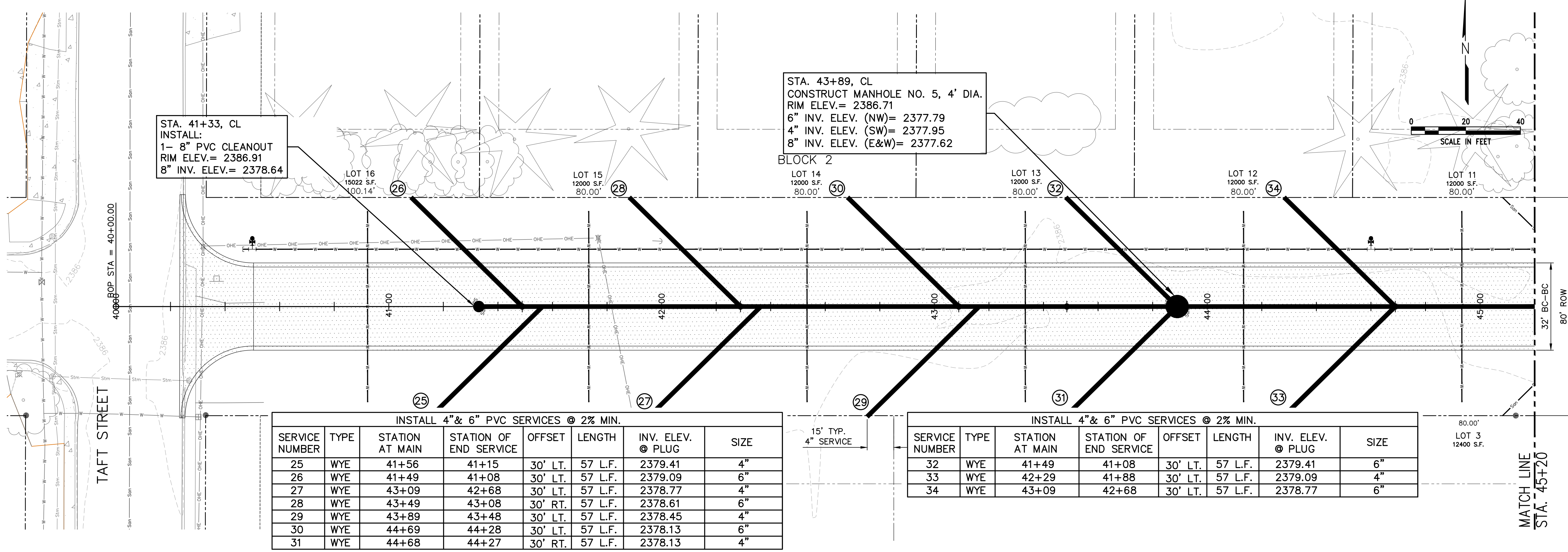


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40 41 42 6TH STREET 44 45

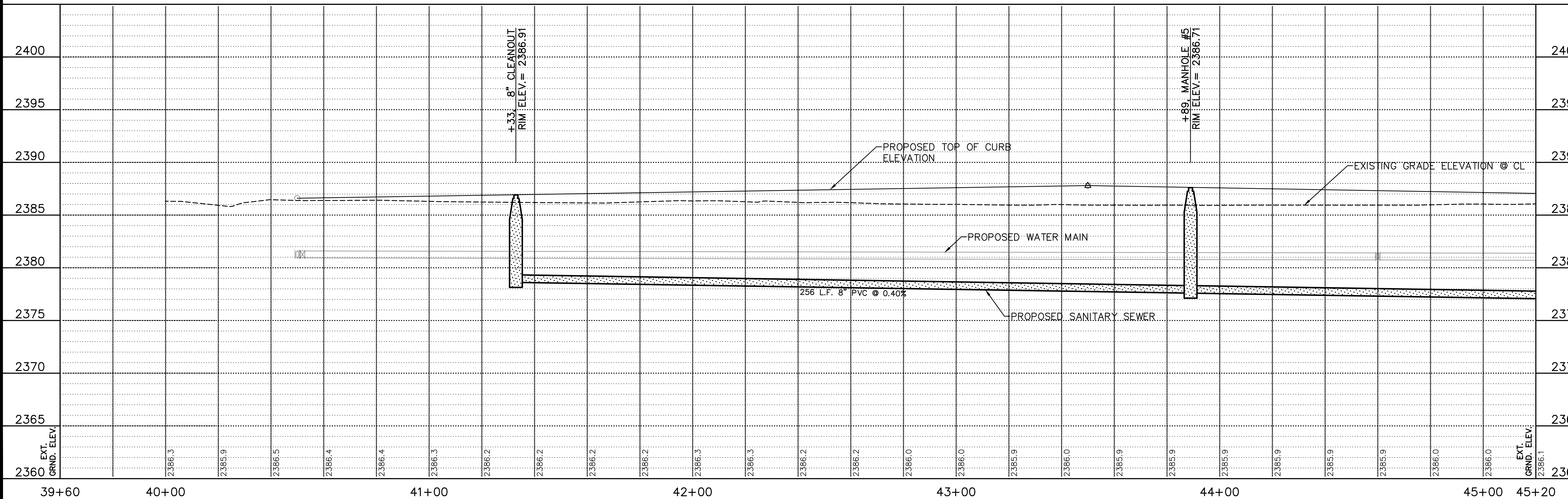


INSTALL 4" & 6" PVC SERVICES @ 2% MIN.

SERVICE NUMBER	TYPE	STATION AT MAIN	STATION OF END SERVICE	OFFSET	LENGTH	INV. ELEV. @ PLUG	SIZE
25	WYE	41+56	41+15	30' LT.	57 L.F.	2379.41	4"
26	WYE	41+49	41+08	30' LT.	57 L.F.	2379.09	6"
27	WYE	43+09	42+68	30' LT.	57 L.F.	2378.77	4"
28	WYE	43+49	43+08	30' RT.	57 L.F.	2378.61	6"
29	WYE	43+89	43+48	30' LT.	57 L.F.	2378.45	4"
30	WYE	44+69	44+28	30' LT.	57 L.F.	2378.13	6"
31	WYE	44+68	44+27	30' RT.	57 L.F.	2378.13	4"

INSTALL 4" & 6" PVC SERVICES @ 2% MIN.

SERVICE NUMBER	TYPE	STATION AT MAIN	STATION OF END SERVICE	OFFSET	LENGTH	INV. ELEV. @ PLUG	SIZE
32	WYE	41+49	41+08	30' LT.	57 L.F.	2379.41	6"
33	WYE	42+29	41+88	30' LT.	57 L.F.	2379.09	4"
34	WYE	43+09	42+68	30' LT.	57 L.F.	2378.77	6"



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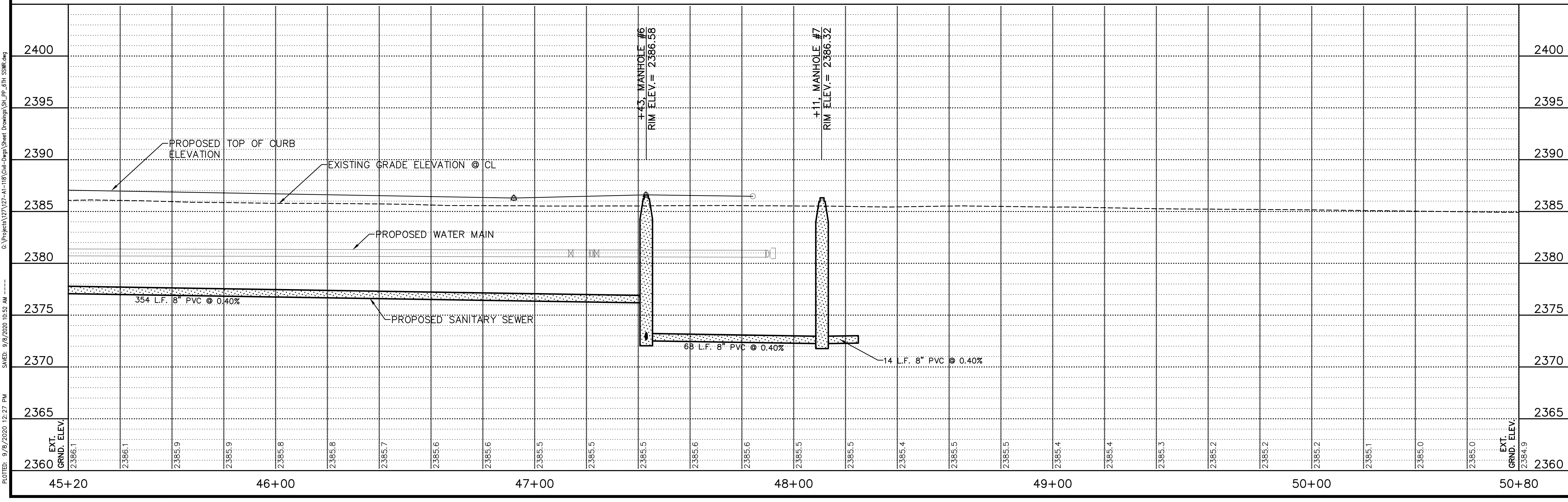
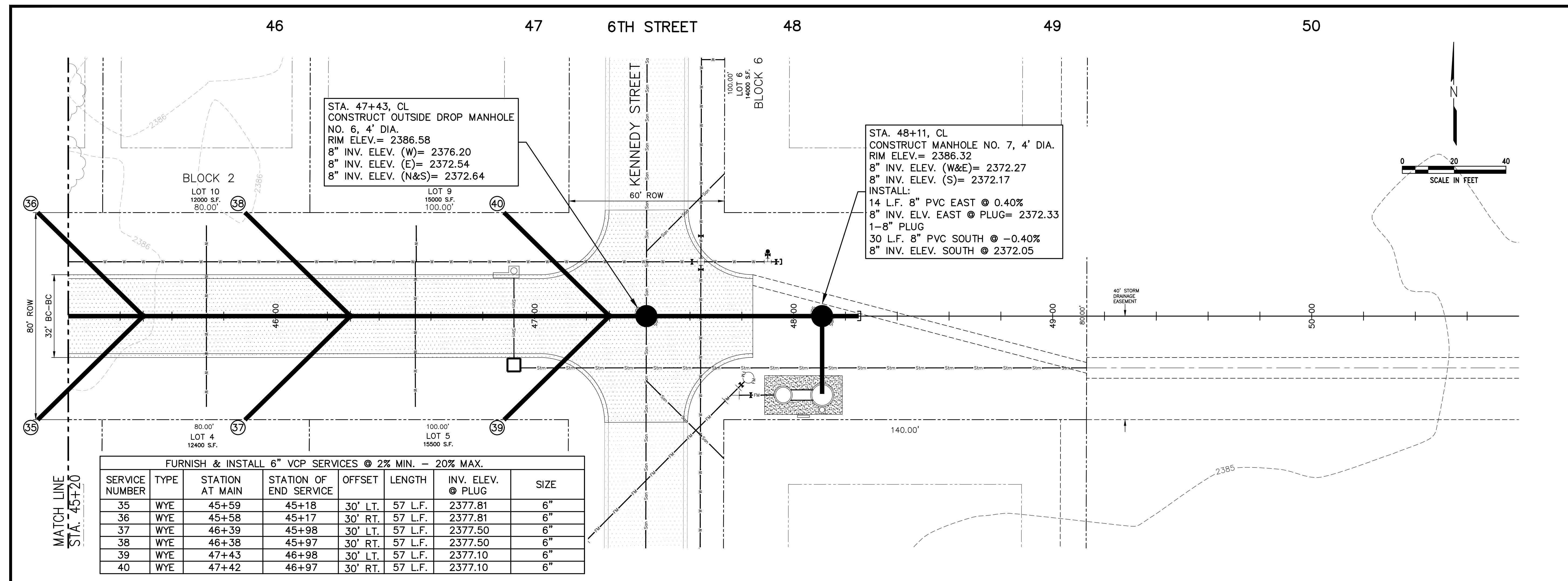


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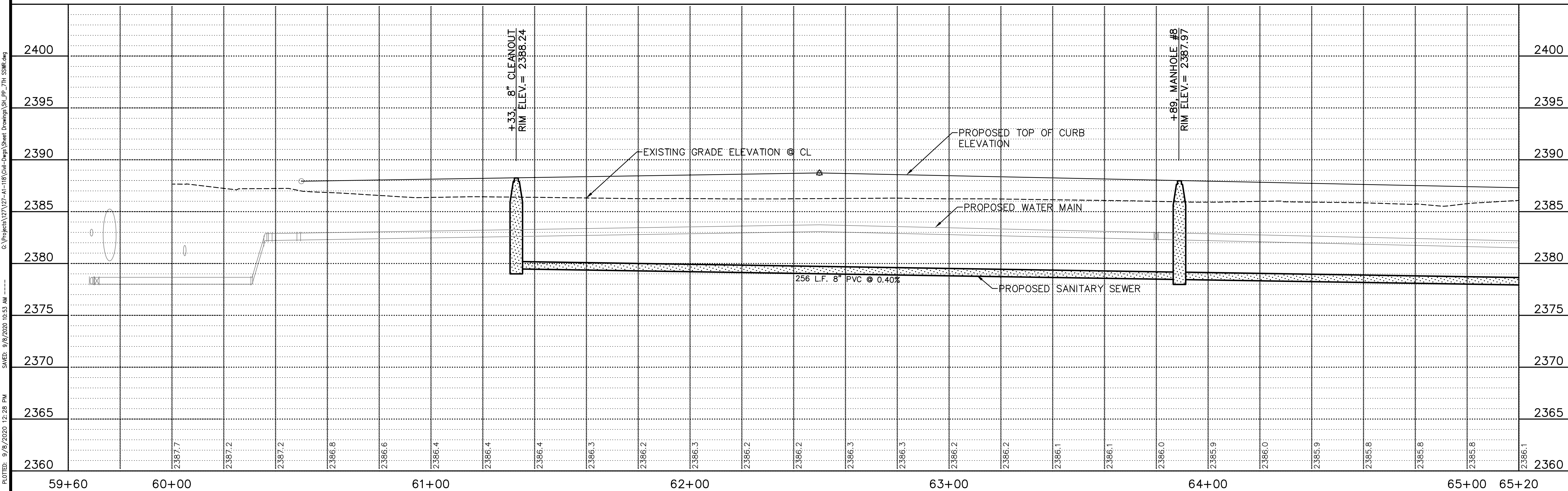
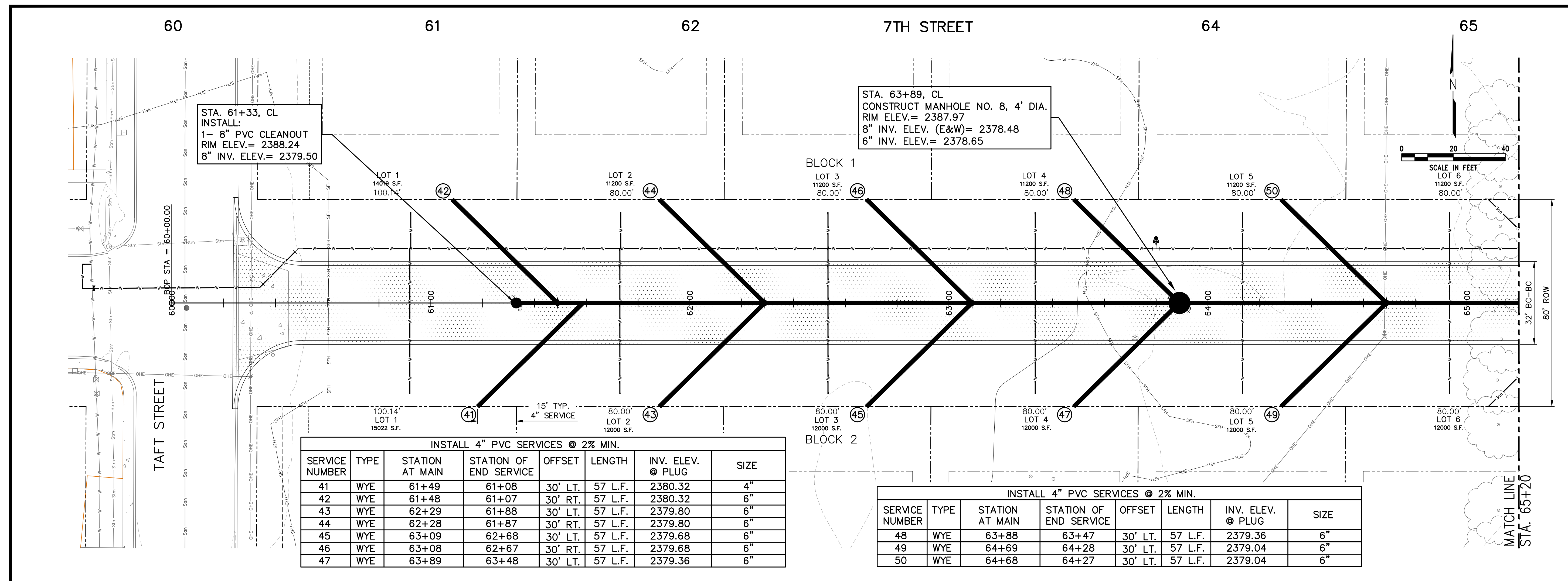
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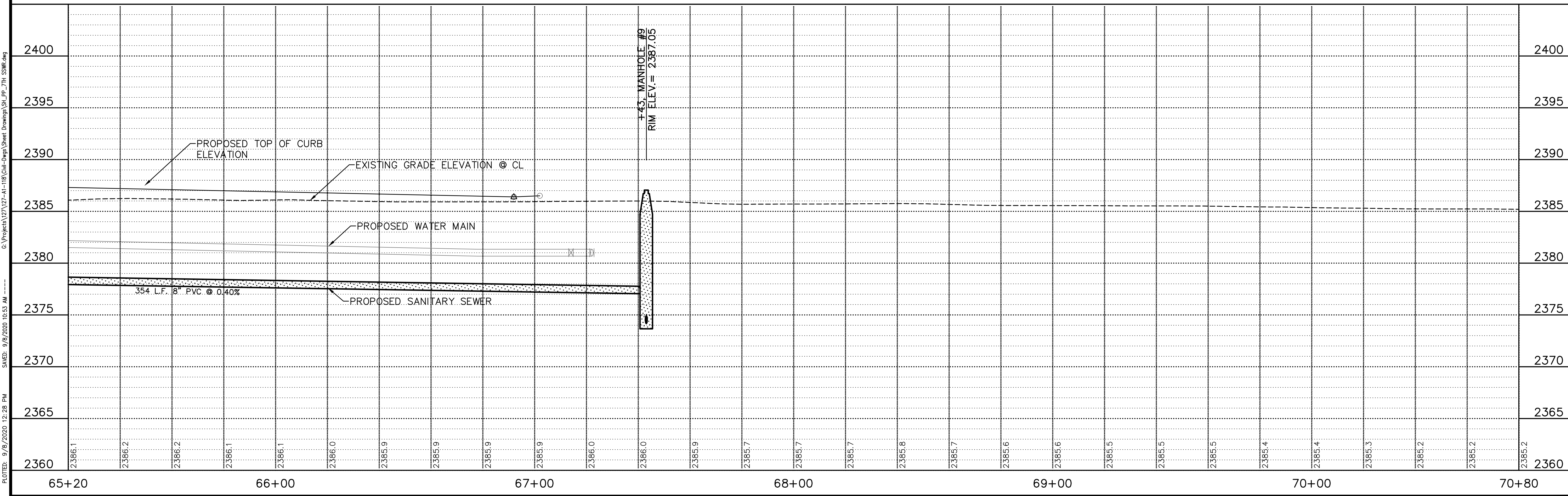
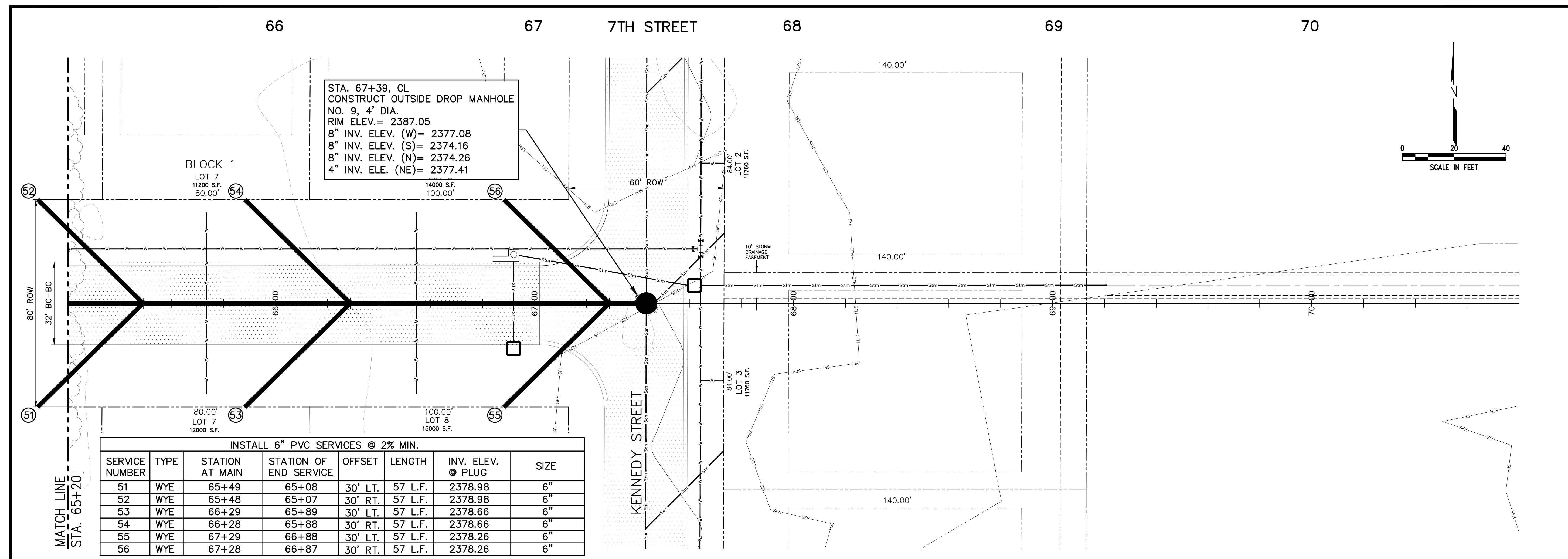


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81

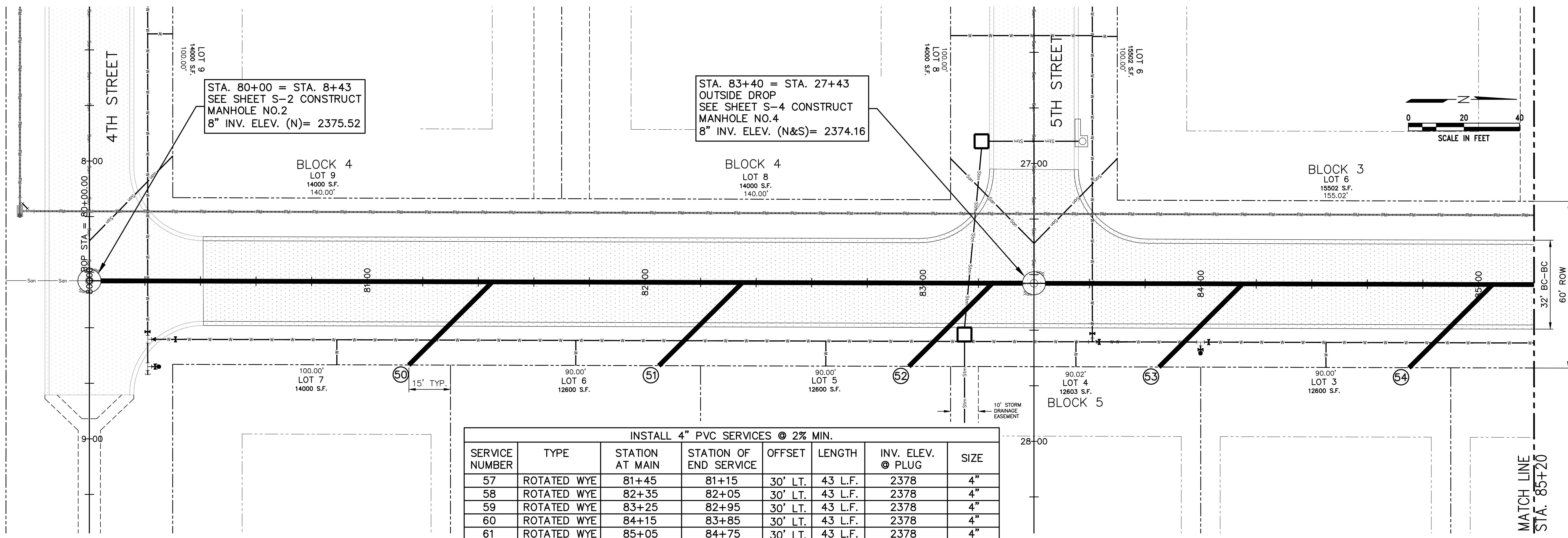
82

KENNEDY STREET

83

83

84



INSTALL 4" PVC SERVICES @ 2% MIN.

SERVICE NUMBER	TYPE	STATION AT MAIN	STATION OF END SERVICE	OFFSET	LENGTH	INV. ELEV. @ PLUG	SIZE
57	ROTATED WYE	81+45	81+15	30' LT.	43 L.F.	2378	4"
58	ROTATED WYE	82+35	82+05	30' LT.	43 L.F.	2378	4"
59	ROTATED WYE	83+25	82+95	30' LT.	43 L.F.	2378	4"
60	ROTATED WYE	84+15	83+85	30' LT.	43 L.F.	2378	4"
61	ROTATED WYE	85+05	84+75	30' LT.	43 L.F.	2378	4"

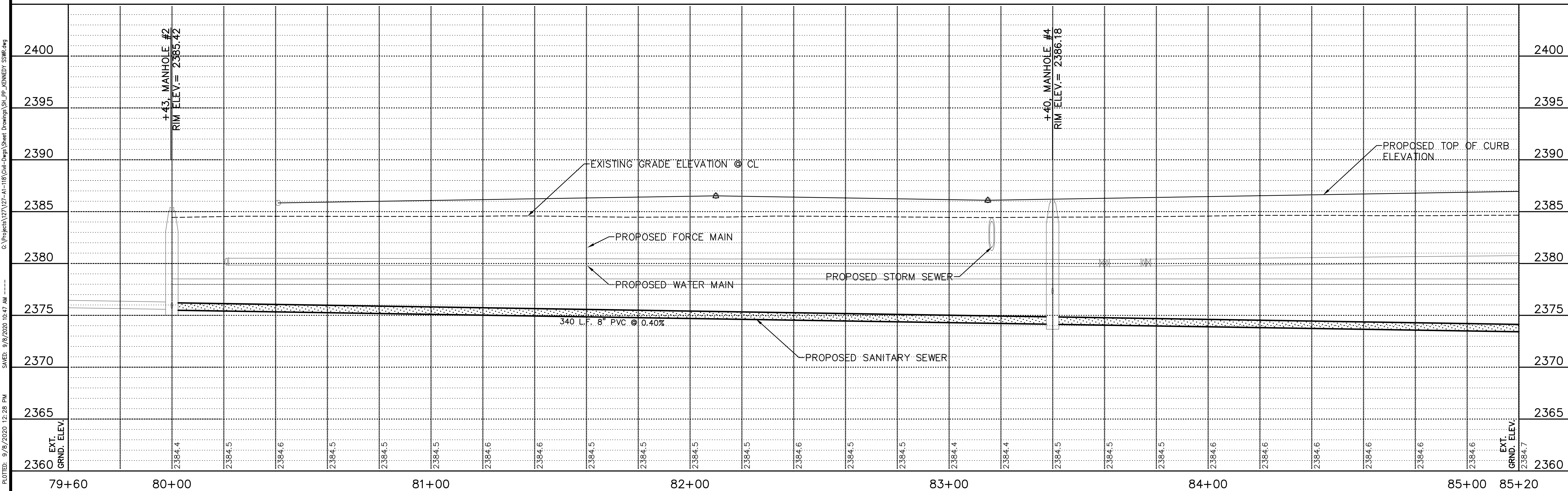


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SCALE: _____

PROJECT NO. 127-A1-118

DATE: SEPTEMBER, 2020

FIELD BOOK _____ M&A DWG NO. _____

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SHEET **S-9**

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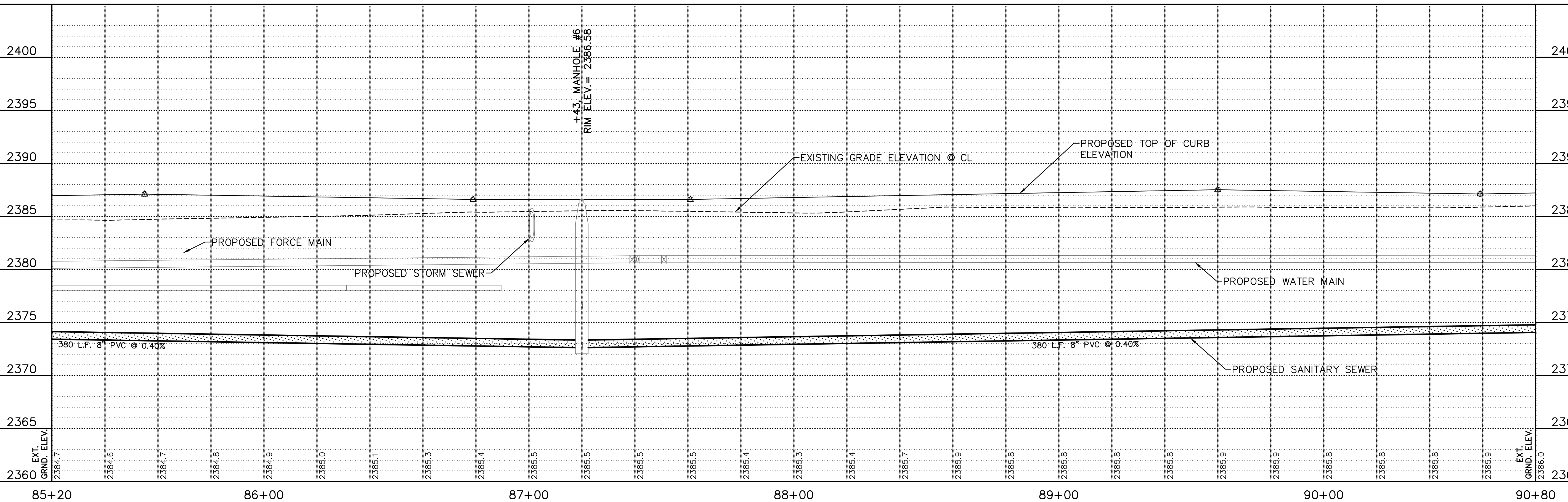
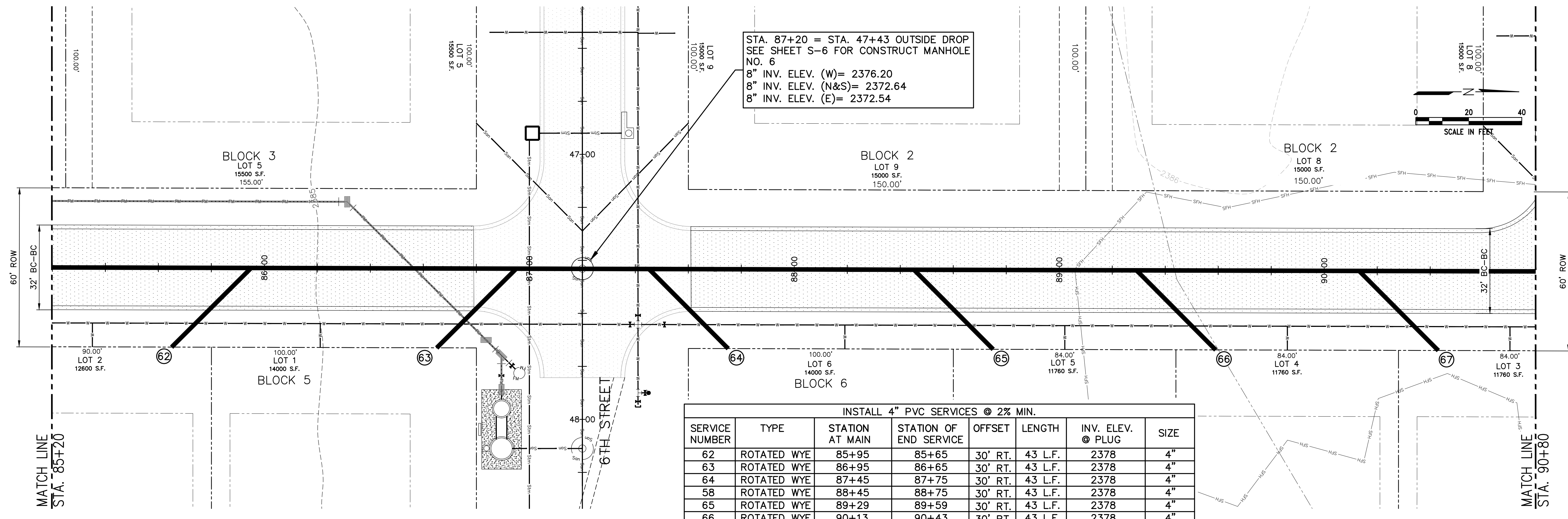
87

88

KENNEDY STREET

89

90



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EAST ADDITION PHASE 1 IMPROVEMENTS
SANITARY SEWER PLAN & PROFILE
LEXINGTON, NEBRASKA

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PROJECT NO.
127-A1-118
DATE:
SEPTEMBER, 2020
FIELD BOOK
M&A DWG NO.
MA NUMBER
DRAWN BY:
APRVD BY:
SHEET
S-10

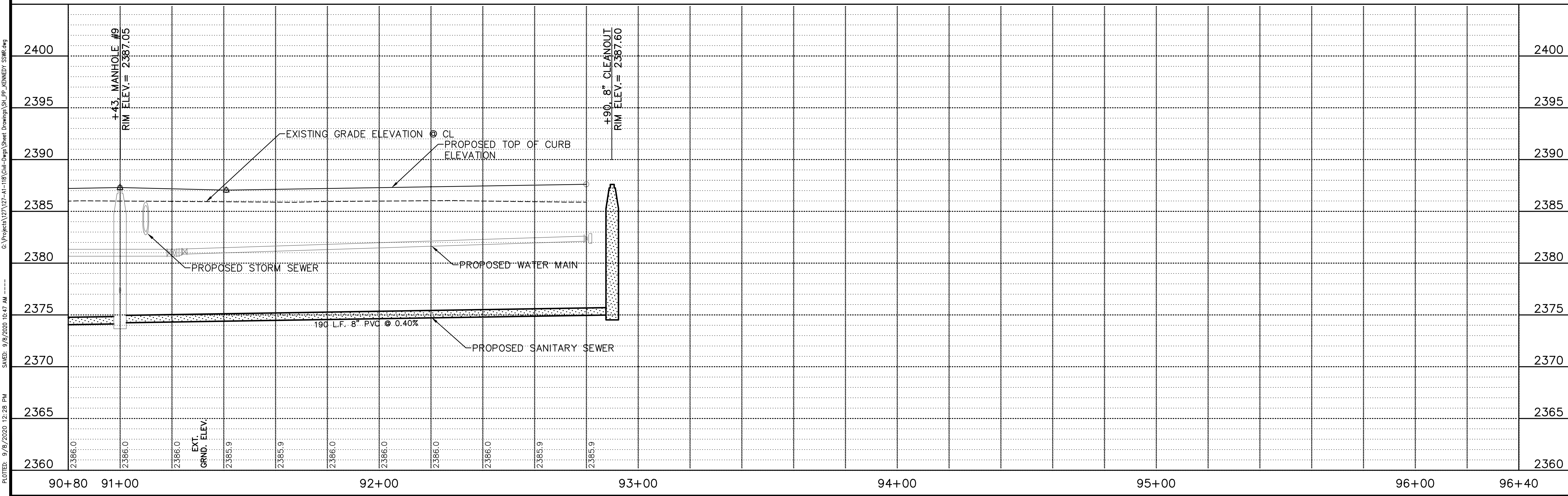
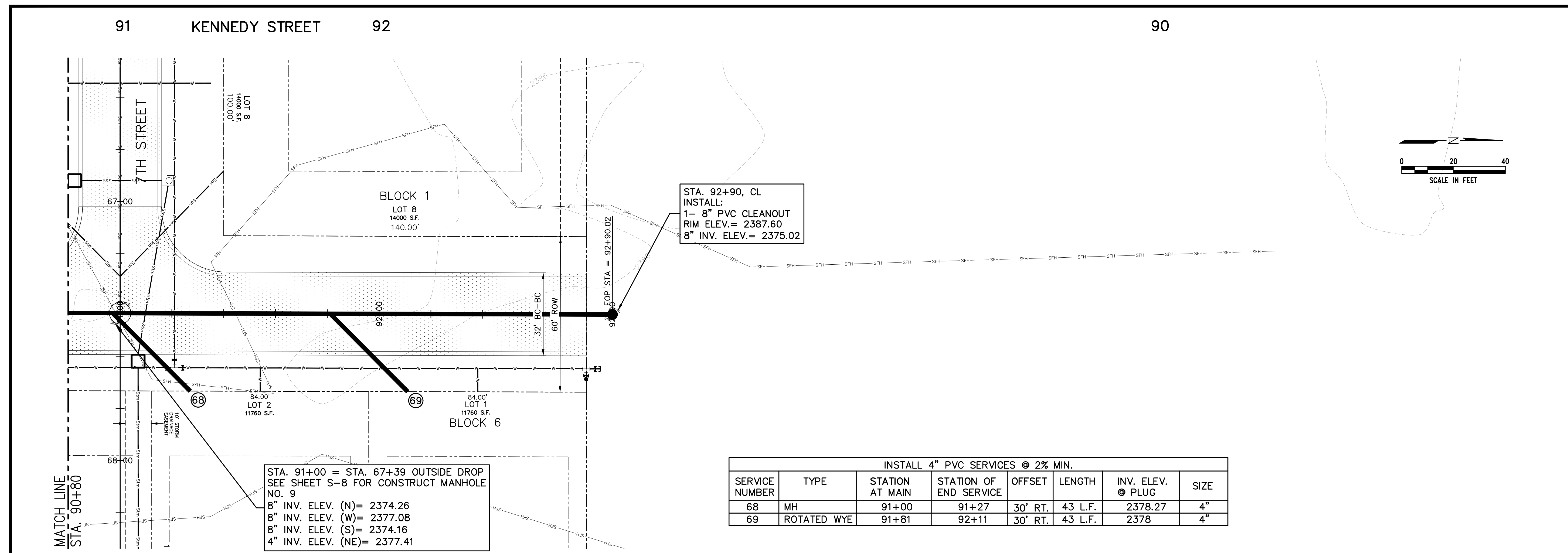
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LEXINGTON, NEBRASKA

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FIELD BOOK: M&A DWG NO. MA NUMBER
DRAWN BY: APRVD BY:
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102

103

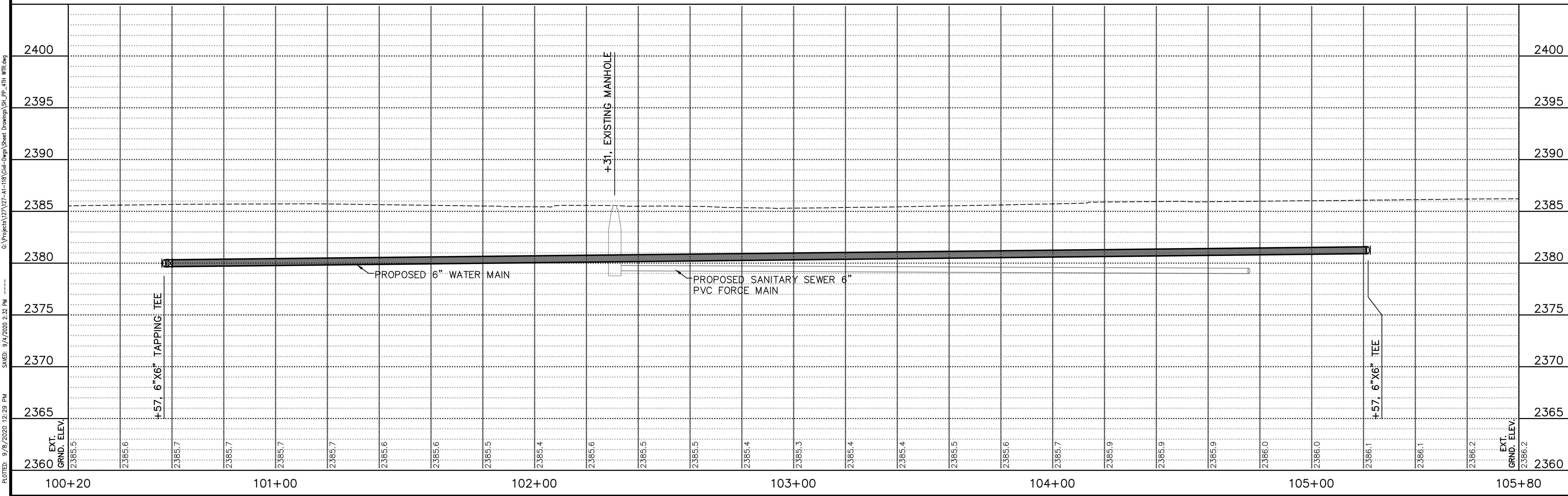
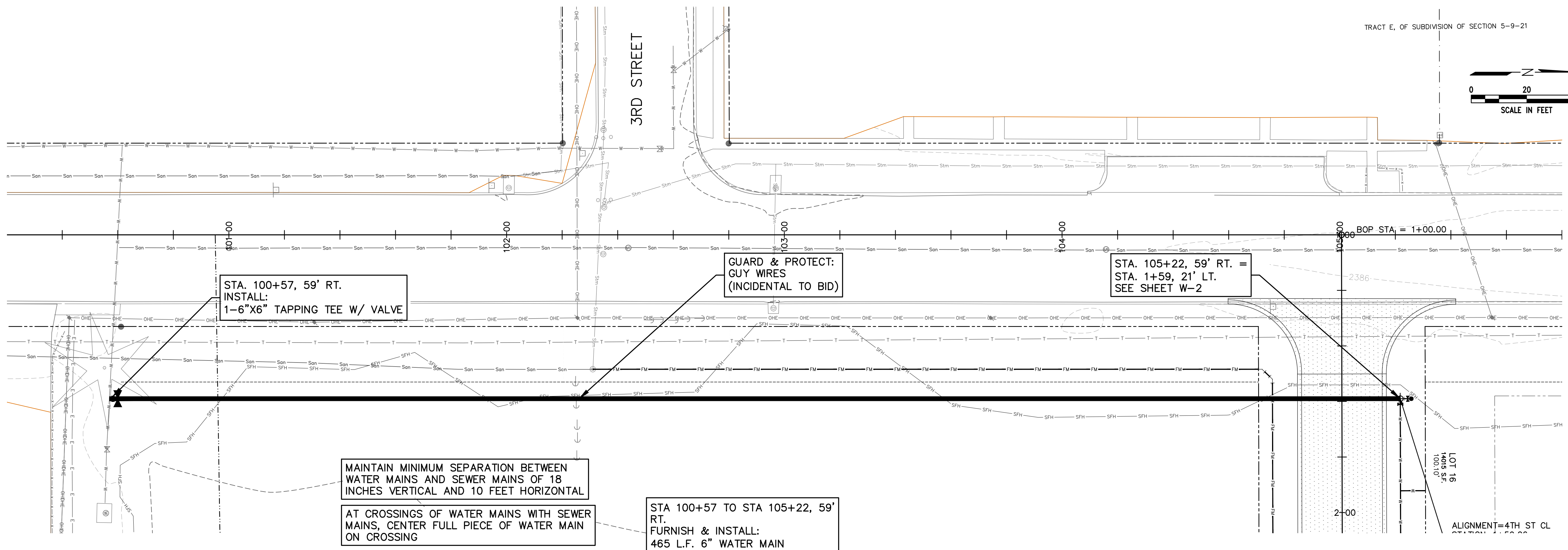
TAFT STREET

104

105

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EAST ADDITION PHASE 1 IMPROVEMENTS
WATER PLAN & PROFILE
 LEXINGTON, NEBRASKA

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DATE: SEPTEMBER, 2020	M&A DWG NO. MA NUMBER
FIELD BOOK	APRVD BY:
DRAWN BY:	SHEET W-1

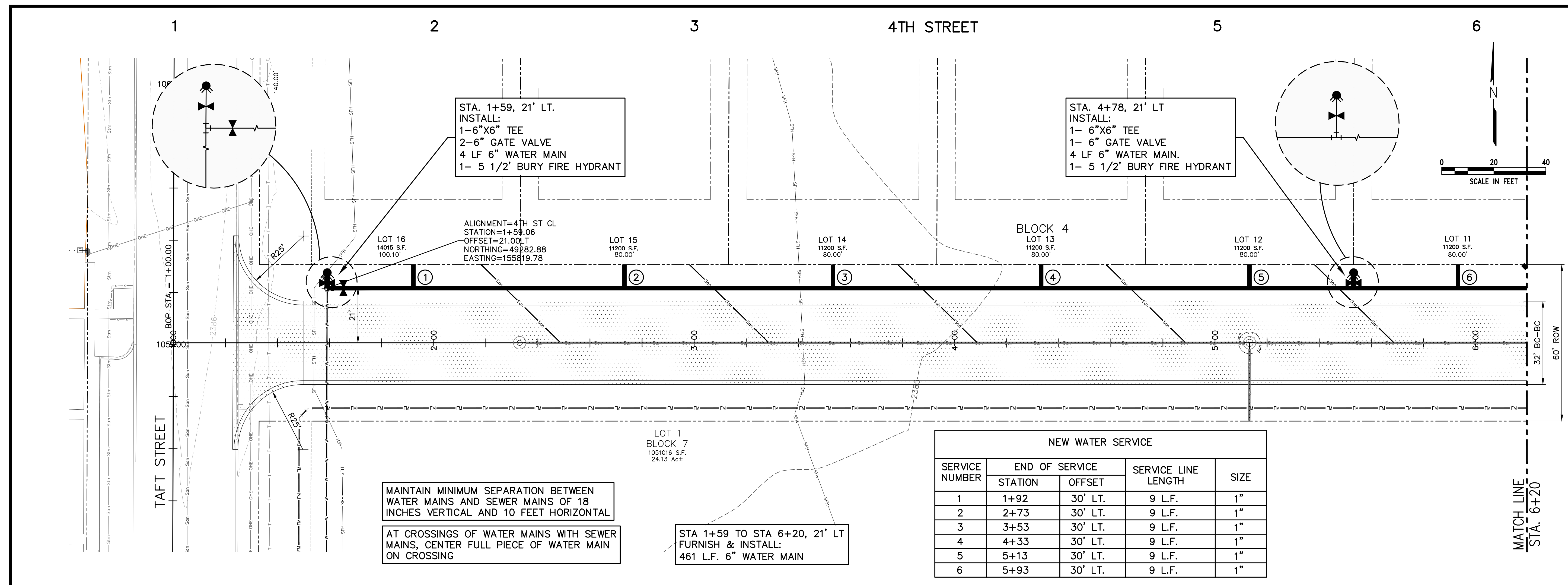
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EAST ADDITION PHASE 1 IMPROVEMENTS
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 LEXINGTON, NEBRASKA

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SCALE:
 PROJECT NO. 127-A1-118
 DATE: SEPTEMBER, 2020
 FIELD BOOK M&A DWG NO. MA NUMBER
 DRAWN BY: APRVD BY:
 SHEET **W-2**

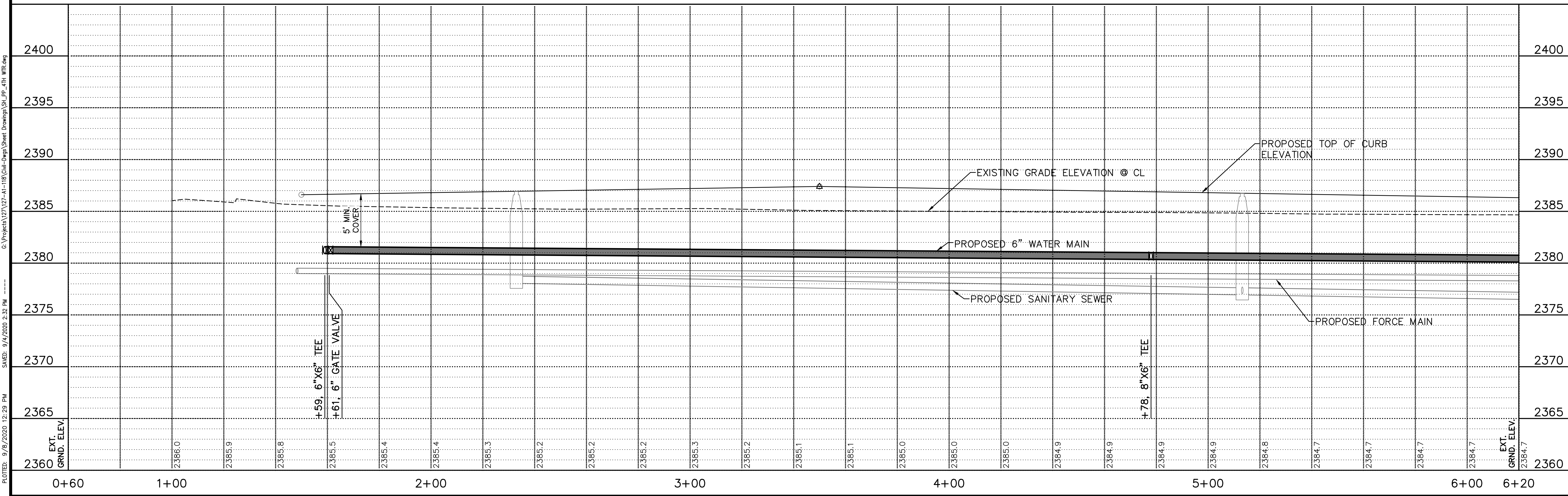


NEW WATER SERVICE				
SERVICE NUMBER	END OF SERVICE		SERVICE LINE LENGTH	SIZE
	STATION	OFFSET		
1	1+92	30' LT.	9 L.F.	1"
2	2+73	30' LT.	9 L.F.	1"
3	3+53	30' LT.	9 L.F.	1"
4	4+33	30' LT.	9 L.F.	1"
5	5+13	30' LT.	9 L.F.	1"
6	5+93	30' LT.	9 L.F.	1"

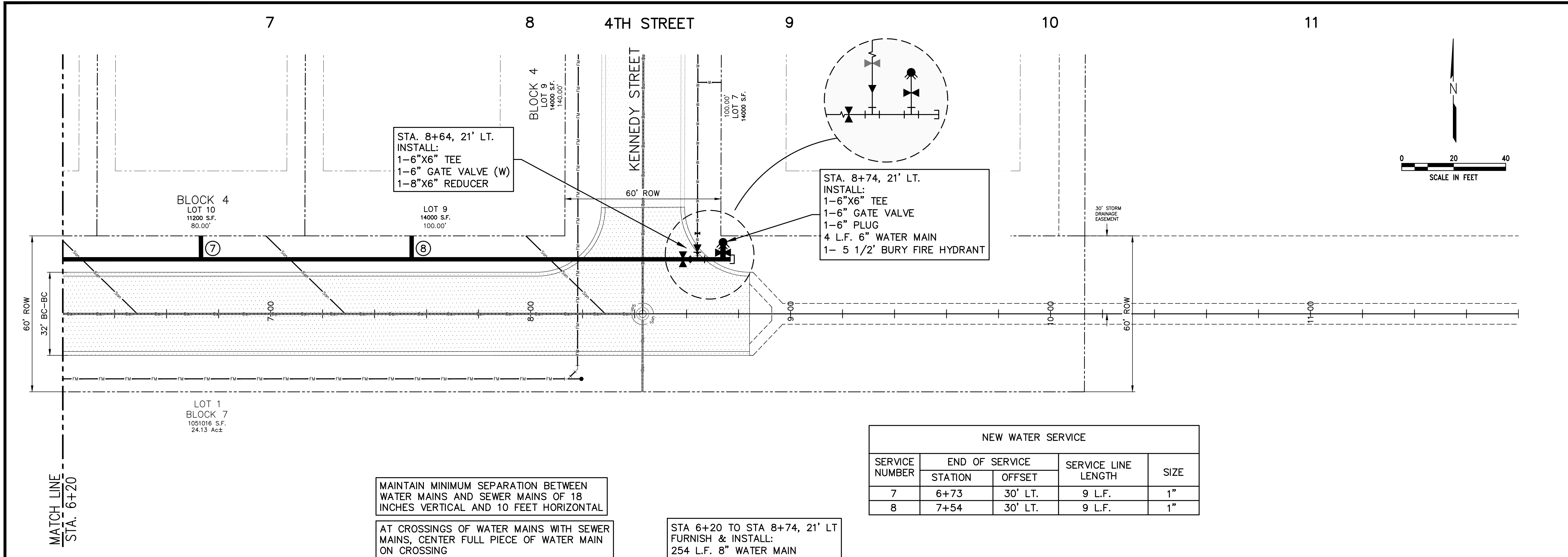
MAINTAIN MINIMUM SEPARATION BETWEEN WATER MAINS AND SEWER MAINS OF 18 INCHES VERTICAL AND 10 FEET HORIZONTAL

AT CROSSINGS OF WATER MAINS WITH SEWER MAINS, CENTER FULL PIECE OF WATER MAIN ON CROSSING

STA 1+59 TO STA 6+20, 21' LT FURNISH & INSTALL: 461 L.F. 6" WATER MAIN



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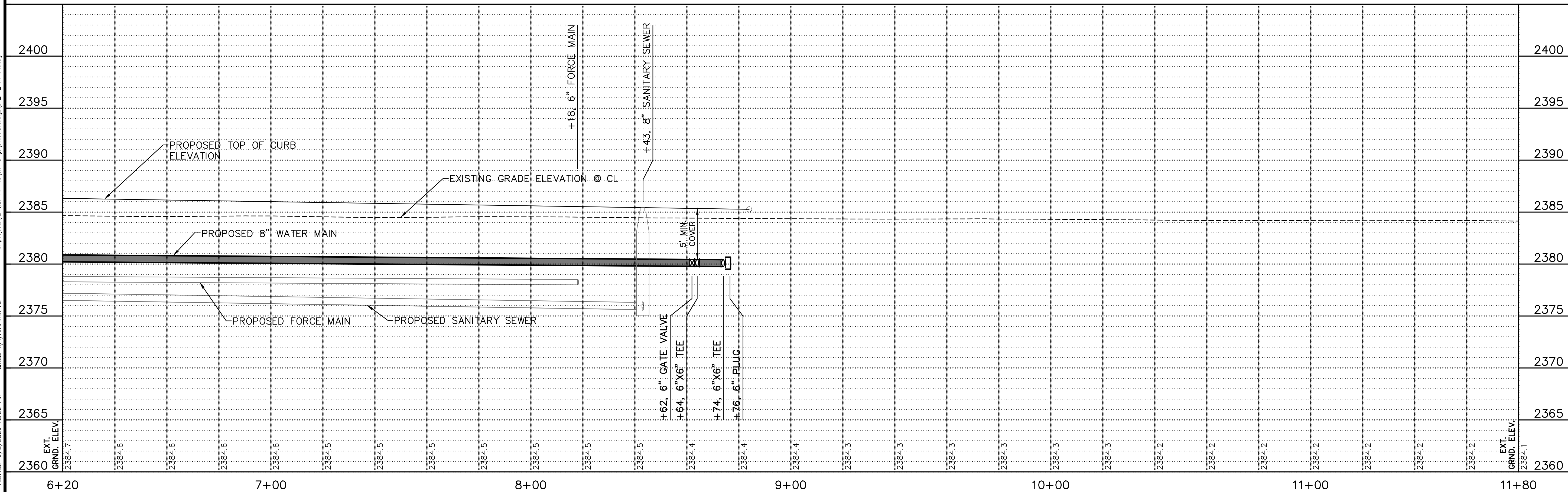


NEW WATER SERVICE				
SERVICE NUMBER	END OF SERVICE		SERVICE LINE LENGTH	SIZE
	STATION	OFFSET		
7	6+73	30' LT.	9 L.F.	1"
8	7+54	30' LT.	9 L.F.	1"

MAINTAIN MINIMUM SEPARATION BETWEEN WATER MAINS AND SEWER MAINS OF 18 INCHES VERTICAL AND 10 FEET HORIZONTAL

AT CROSSINGS OF WATER MAINS WITH SEWER MAINS, CENTER FULL PIECE OF WATER MAIN ON CROSSING

STA 6+20 TO STA 8+74, 21' LT FURNISH & INSTALL: 254 L.F. 8" WATER MAIN



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SCALE: _____ PROJECT NO. 127-A1-118 DATE: SEPTEMBER, 2020 FIELD BOOK _____ M&A DWG NO. _____ DRAWN BY: _____ MA NUMBER _____ APRVD BY: _____ SHEET W-3	

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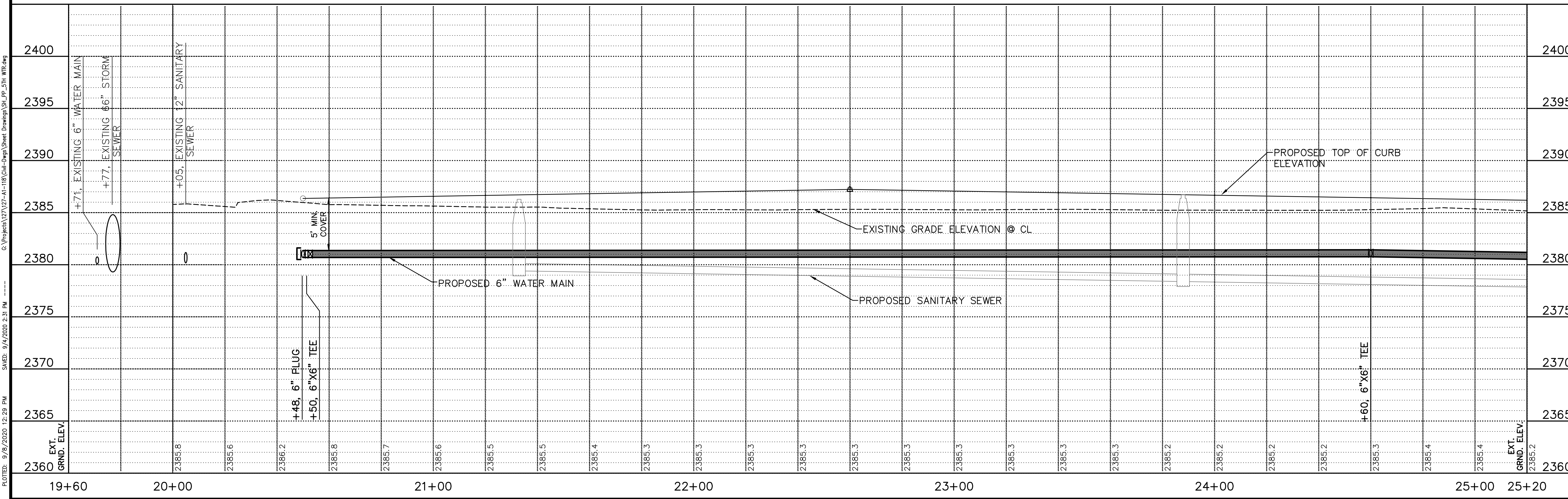
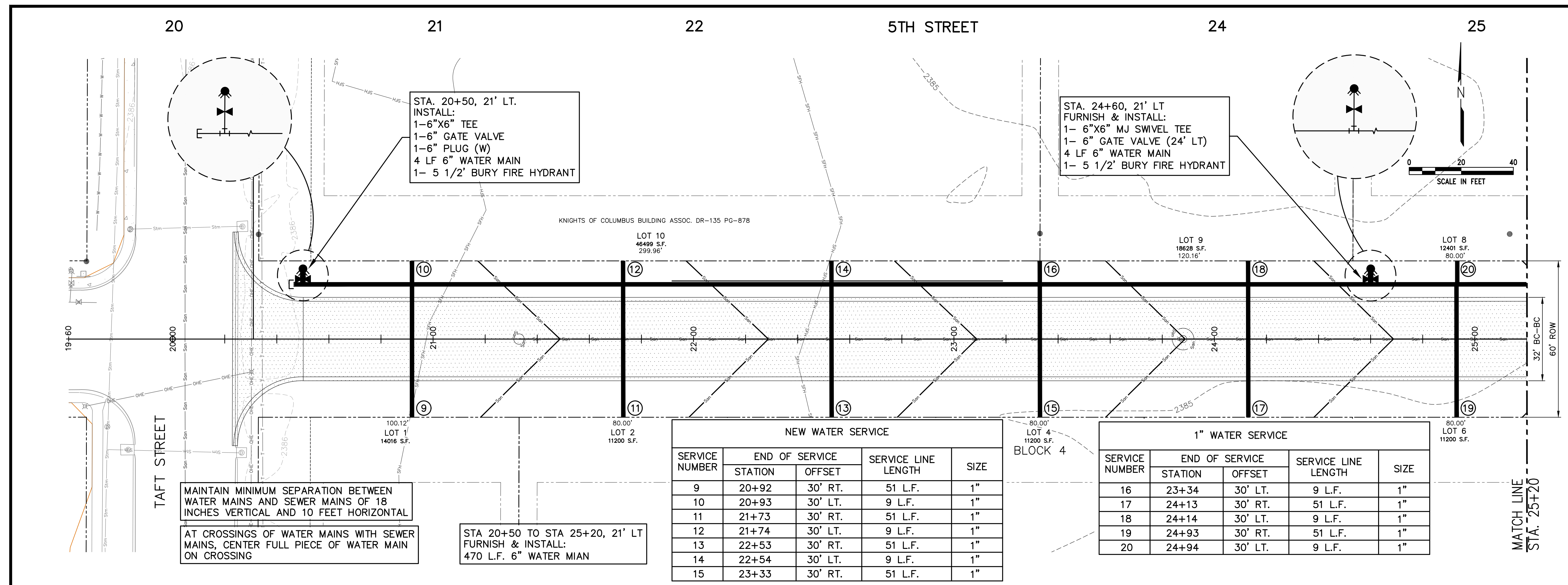


EAST ADDITION PHASE 1 IMPROVEMENTS
WATER PLAN & PROFILE
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VERIFY SCALES
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SCALE:
PROJECT NO. 127-A1-118
DATE: SEPTEMBER, 2020
FIELD BOOK M&A DWG NO.
DRAWN BY: APRVD BY: MA NUMBER

SHEET **W-4**



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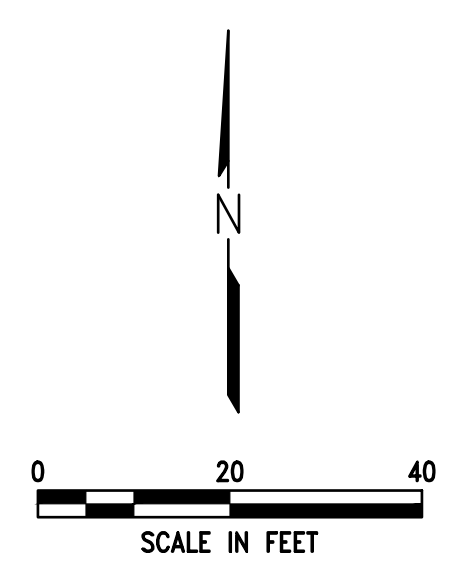
5TH STREET

28

29

30

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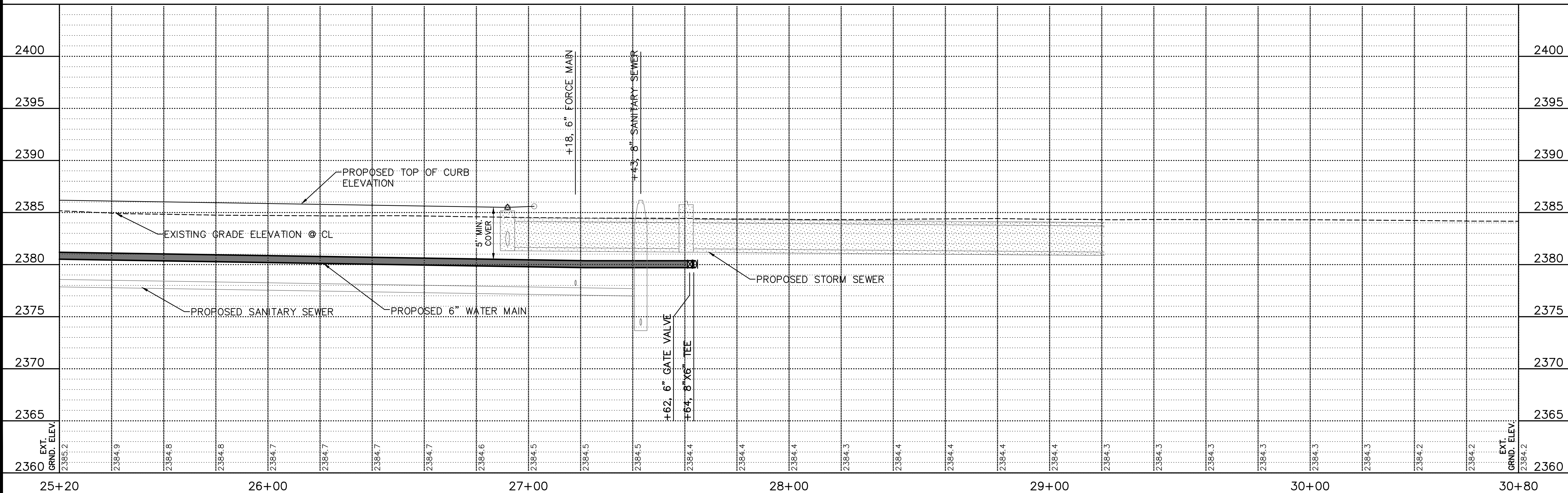
STA. 27+64, 21' LT. FURNISH & INSTALL: 1- 8"X6" TEE 1- 6" GATE VALVE (W)

MAINTAIN MINIMUM SEPARATION BETWEEN WATER MAINS AND SEWER MAINS OF 18 INCHES VERTICAL AND 10 FEET HORIZONTAL

AT CROSSINGS OF WATER MAINS WITH SEWER MAINS, CENTER FULL PIECE OF WATER MAIN ON CROSSING

STA 25+20 TO STA 27+64, 21' LT INSTALL: 244 L.F. 6" WATER MAIN

NEW WATER SERVICE				
SERVICE NUMBER	END OF SERVICE		SERVICE LINE LENGTH	SIZE
	STATION	OFFSET		
21	25+72	30' RT.	51 L.F.	1"
22	25+73	30' LT.	9 L.F.	1"
23	26+53	30' RT.	51 L.F.	1"
24	26+54	30' LT.	9 L.F.	1"



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VERIFY SCALES
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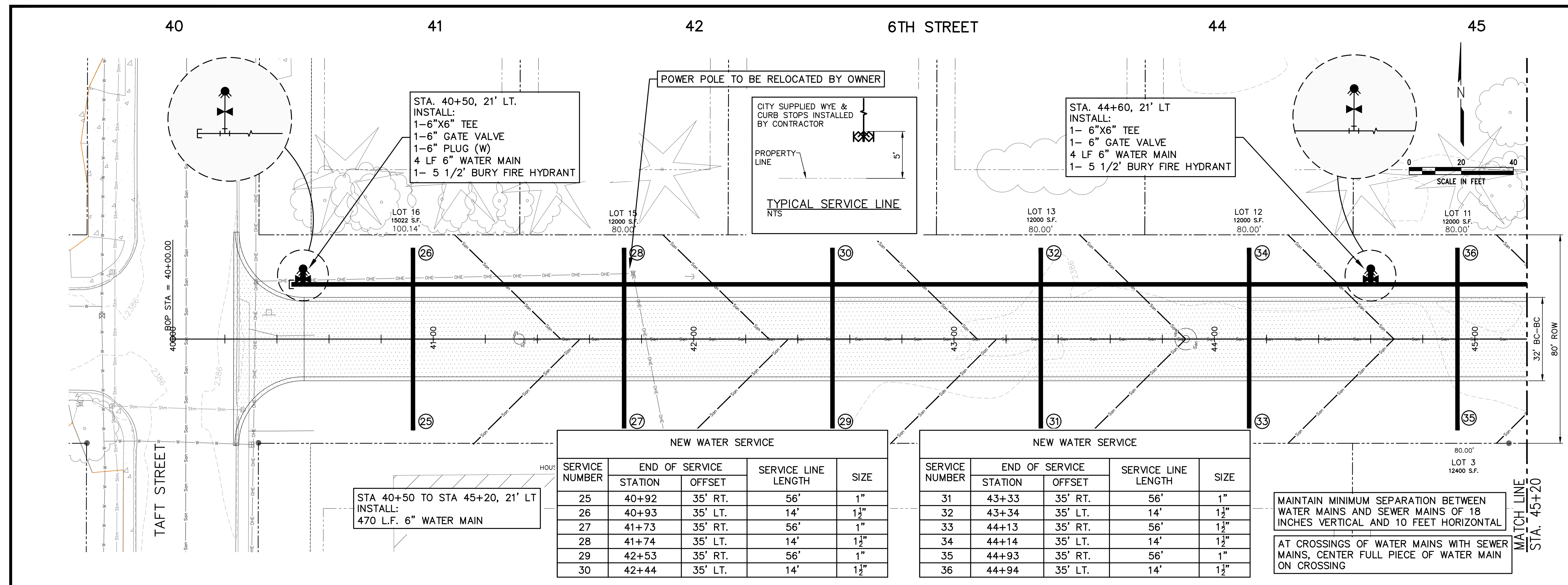
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DATE: SEPTEMBER, 2020	M&A DWG NO. MA NUMBER
FIELD BOOK	APRVD BY:
DRAWN BY:	SHEET W-5

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WATER PLAN & PROFILE
 LEXINGTON, NEBRASKA

VERIFY SCALES
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 SCALE:
 PROJECT NO. 127-A1-118
 DATE: SEPTEMBER, 2020
 FIELD BOOK M&A DWG NO.
 DRAWN BY: APRVD BY:
 SHEET **W-6**

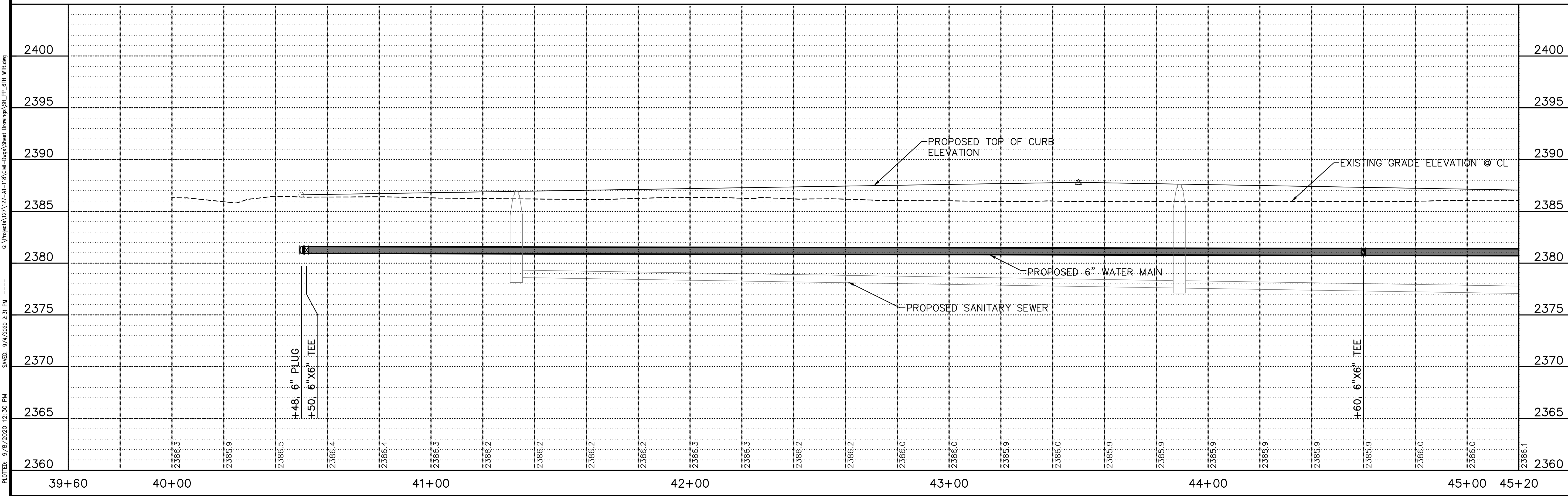


NEW WATER SERVICE				
SERVICE NUMBER	END OF SERVICE		SERVICE LINE LENGTH	SIZE
	STATION	OFFSET		
25	40+92	35' RT.	56'	1"
26	40+93	35' LT.	14'	1 1/2"
27	41+73	35' RT.	56'	1"
28	41+74	35' LT.	14'	1 1/2"
29	42+53	35' RT.	56'	1"
30	42+44	35' LT.	14'	1 1/2"

NEW WATER SERVICE				
SERVICE NUMBER	END OF SERVICE		SERVICE LINE LENGTH	SIZE
	STATION	OFFSET		
31	43+33	35' RT.	56'	1"
32	43+34	35' LT.	14'	1 1/2"
33	44+13	35' RT.	56'	1 1/2"
34	44+14	35' LT.	14'	1 1/2"
35	44+93	35' RT.	56'	1"
36	44+94	35' LT.	14'	1 1/2"

STA 40+50 TO STA 45+20, 21' LT
 INSTALL:
 470 L.F. 6" WATER MAIN

MAINTAIN MINIMUM SEPARATION BETWEEN WATER MAINS AND SEWER MAINS OF 18 INCHES VERTICAL AND 10 FEET HORIZONTAL
 AT CROSSINGS OF WATER MAINS WITH SEWER MAINS, CENTER FULL PIECE OF WATER MAIN ON CROSSING



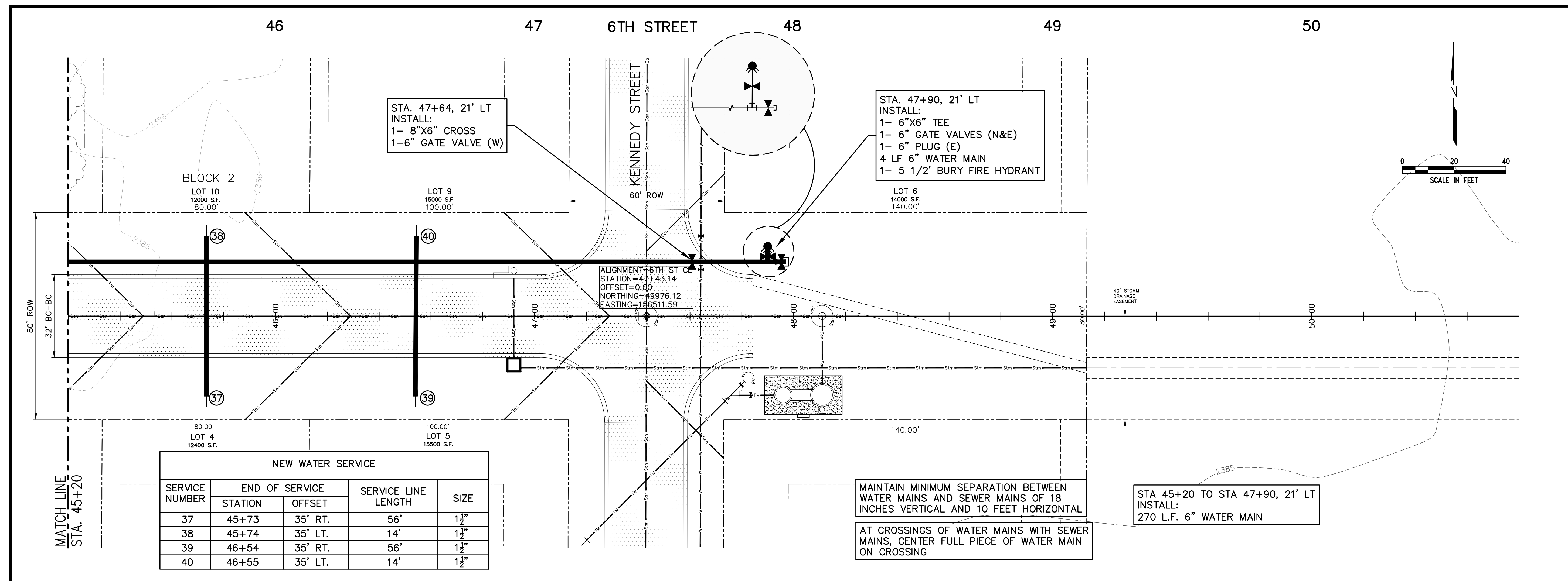
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WATER PLAN & PROFILE
LEXINGTON, NEBRASKA

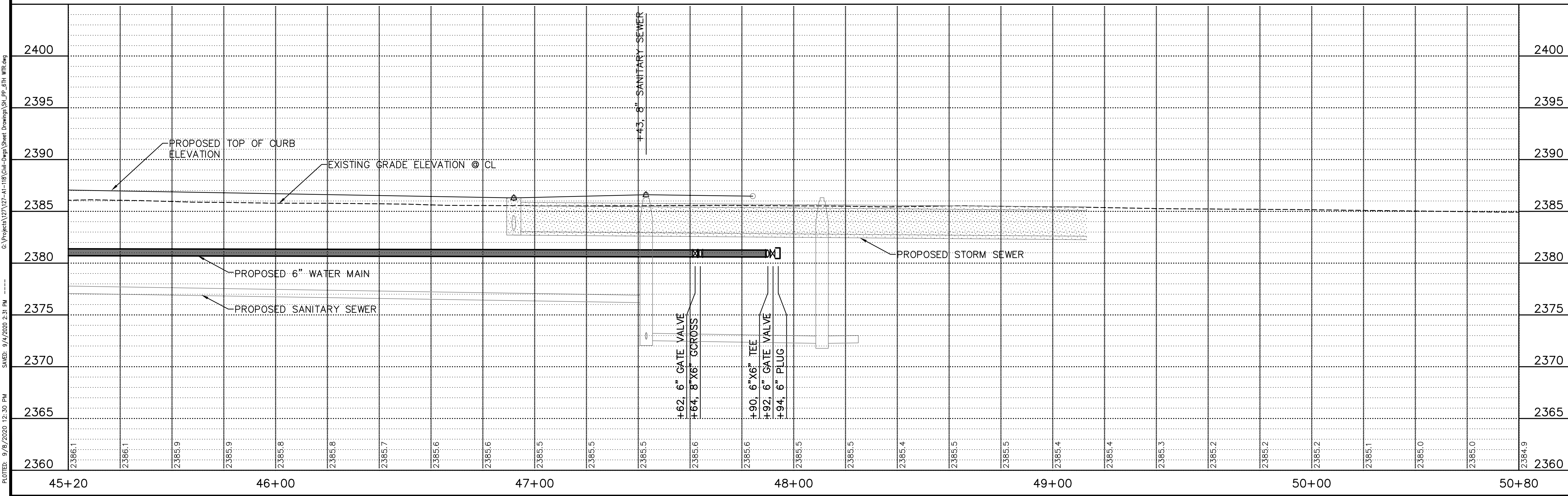
VERIFY SCALES
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SCALE:
PROJECT NO.
127-A1-118
DATE:
SEPTEMBER, 2020
FIELD BOOK
M&A DWG NO.
MA NUMBER
DRAWN BY:
APRVD BY:
SHEET
W-7



NEW WATER SERVICE

SERVICE NUMBER	END OF SERVICE		SERVICE LINE LENGTH	SIZE
	STATION	OFFSET		
37	45+73	35' RT.	56'	1 1/2"
38	45+74	35' LT.	14'	1 1/2"
39	46+54	35' RT.	56'	1 1/2"
40	46+55	35' LT.	14'	1 1/2"



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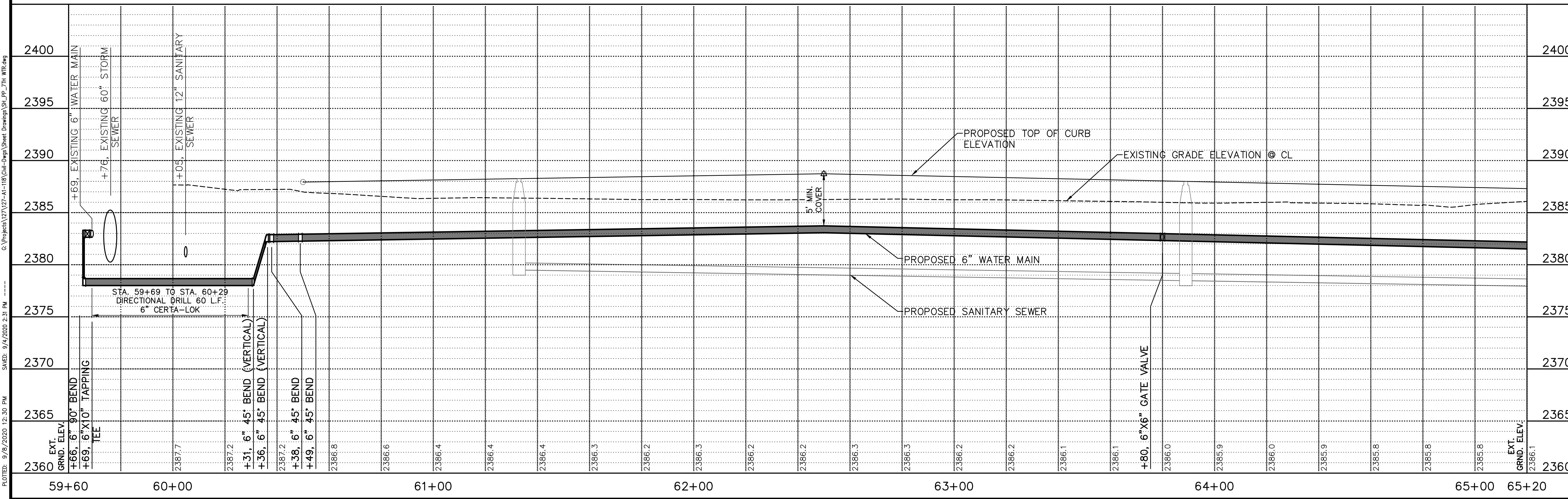
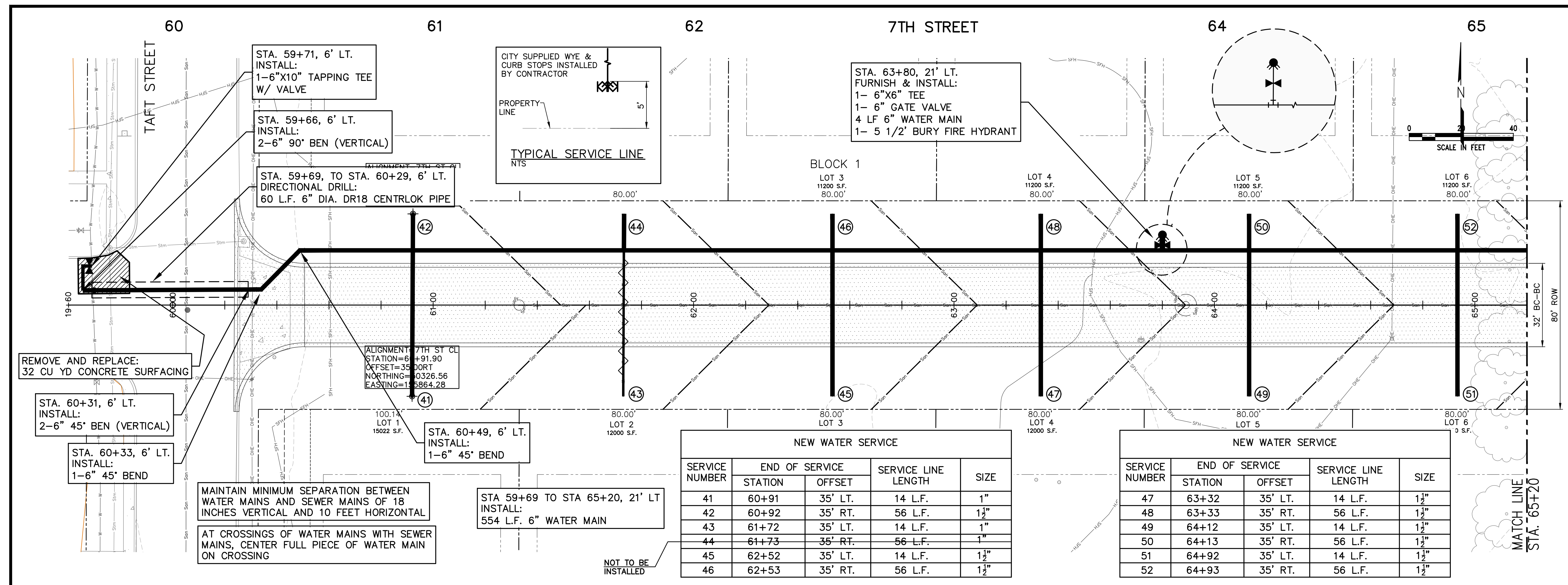


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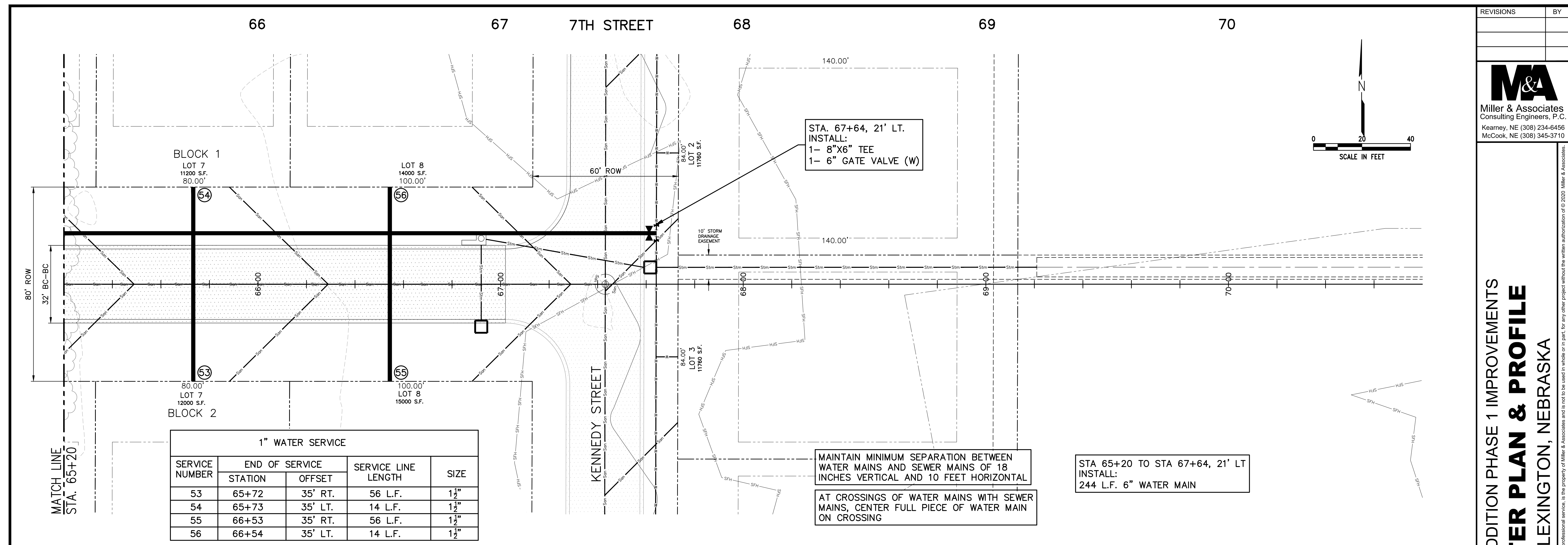
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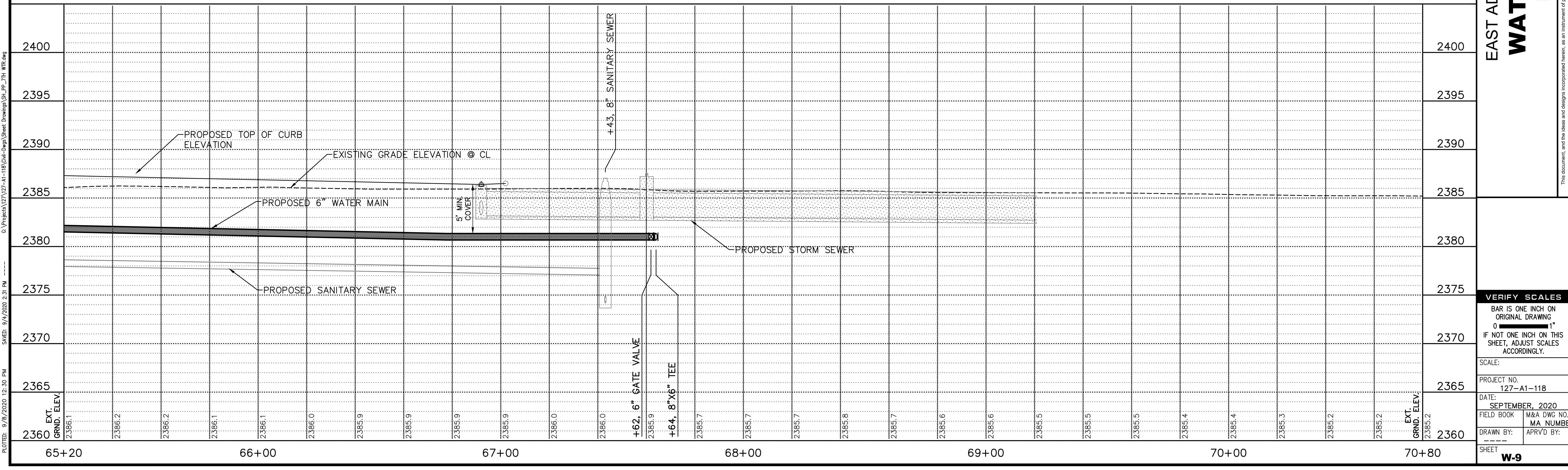
SCALE:
PROJECT NO. 127-A1-118
DATE: SEPTEMBER, 2020
FIELD BOOK M&A DWG NO.
DRAWN BY: MA NUMBER
APRVD BY:
SHEET **W-8**



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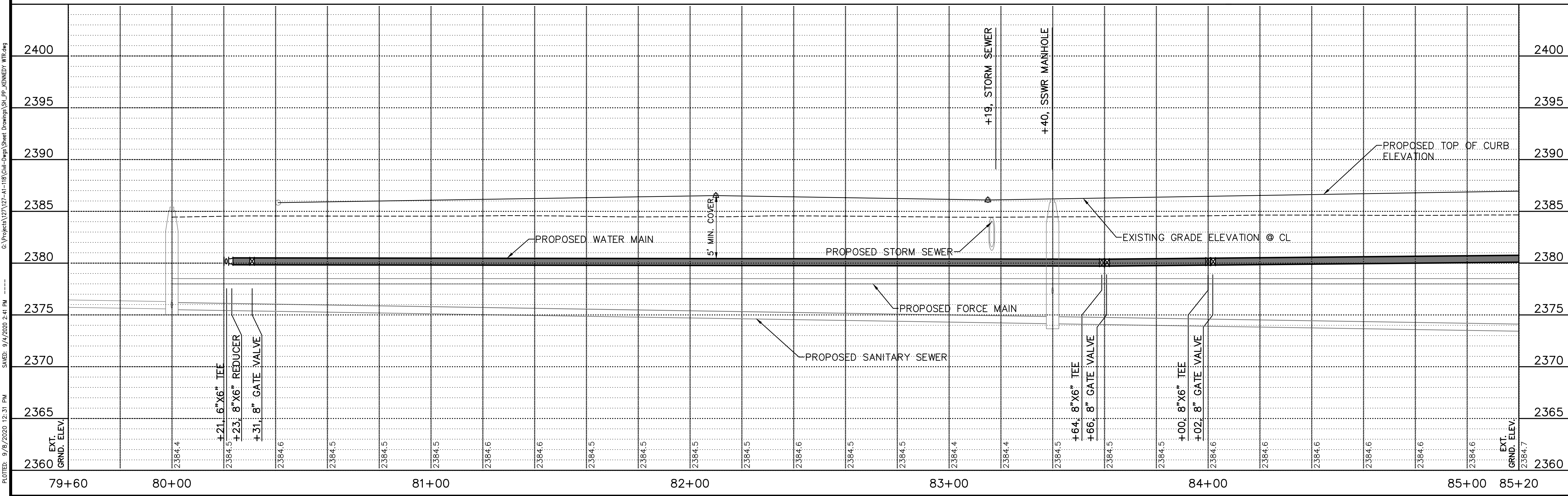
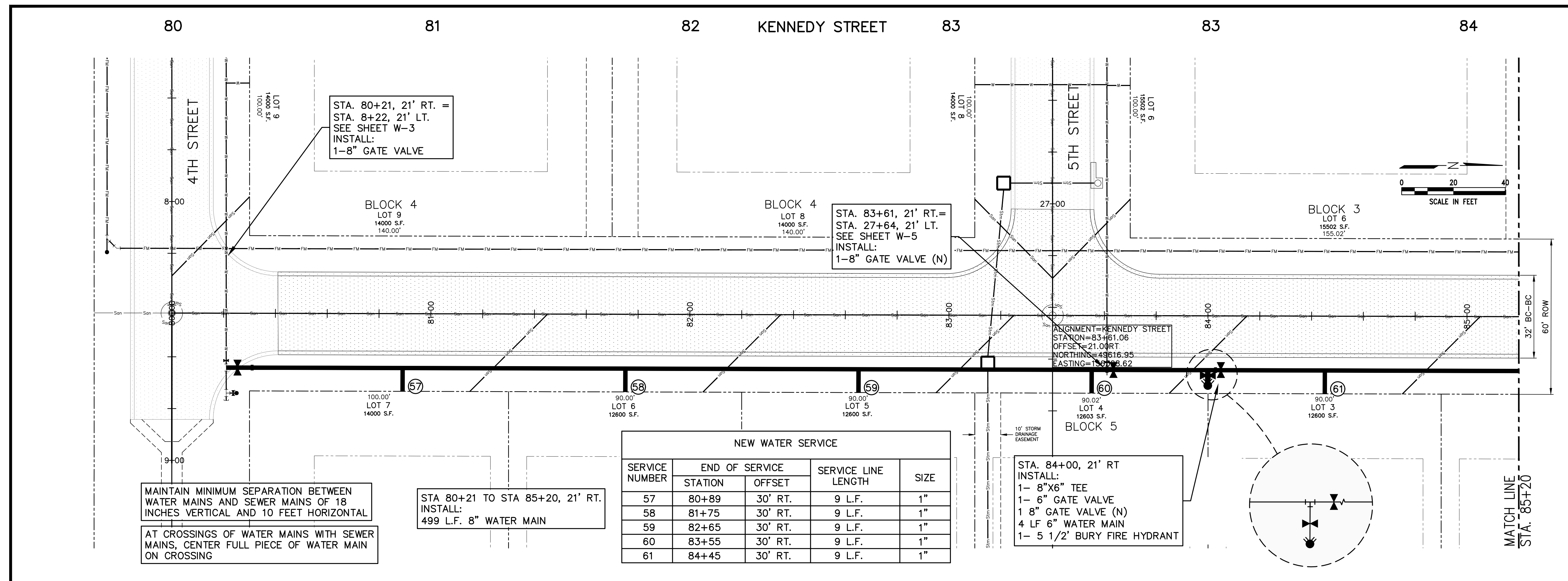
1" WATER SERVICE				
SERVICE NUMBER	END OF SERVICE		SERVICE LINE LENGTH	SIZE
	STATION	OFFSET		
53	65+72	35' RT.	56 L.F.	1 1/2"
54	65+73	35' LT.	14 L.F.	1 1/2"
55	66+53	35' RT.	56 L.F.	1 1/2"
56	66+54	35' LT.	14 L.F.	1 1/2"



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SCALE: _____ PROJECT NO. 127-A1-118 DATE: SEPTEMBER, 2020 FIELD BOOK _____ M&A DWG NO. _____ DRAWN BY: _____ MA NUMBER _____ APRVD BY: _____	
SHEET W-9	

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WATER PLAN & PROFILE
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86

87

88

KENNEDY STREET

89

90

REVISIONS BY



EAST ADDITION PHASE 1 IMPROVEMENTS WATER PLAN & PROFILE LEXINGTON, NEBRASKA

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STA. 87+41, 21' RT. =STA. 47+64, 21' LT. SEE SHEET W-7 INSTALL: 2- 8" GATE VALVE (N&S)

BLOCK 3 LOT 5 15500 S.F. 155.00'

BLOCK 2 LOT 9 15000 S.F. 150.00'

BLOCK 2 LOT 8 15000 S.F. 150.00'

BLOCK 5 LOT 1 14000 S.F.

BLOCK 6 LOT 6 14000 S.F.

LOT 5 11760 S.F.

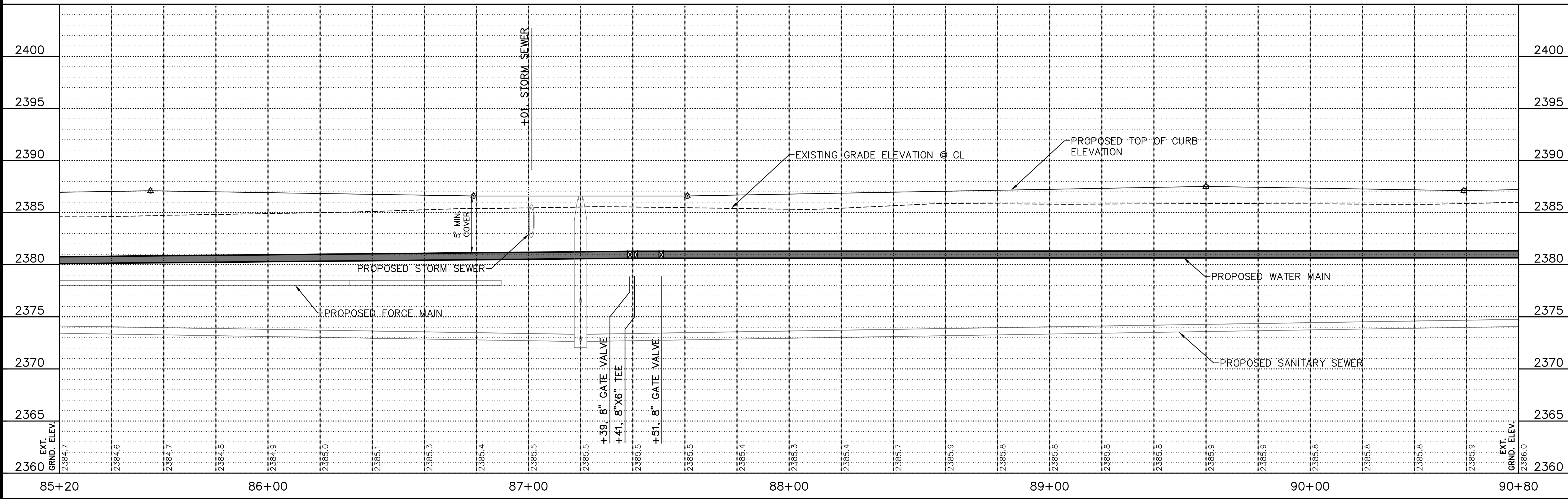
LOT 4 11760 S.F.

LOT 3 11760 S.F.

Table with 4 columns: SERVICE NUMBER, END OF SERVICE (STATION, OFFSET), SERVICE LINE LENGTH, SIZE. Lists services 62 through 67.

MAINTAIN MINIMUM SEPARATION BETWEEN WATER MAINS AND SEWER MAINS OF 18 INCHES VERTICAL AND 10 FEET HORIZONTAL AT CROSSINGS OF WATER MAINS WITH SEWER MAINS, CENTER FULL PIECE OF WATER MAIN ON CROSSING

STA 85+20 TO STA 90+80, 21' RT. INSTALL: 560 L.F. 8" WATER MAIN



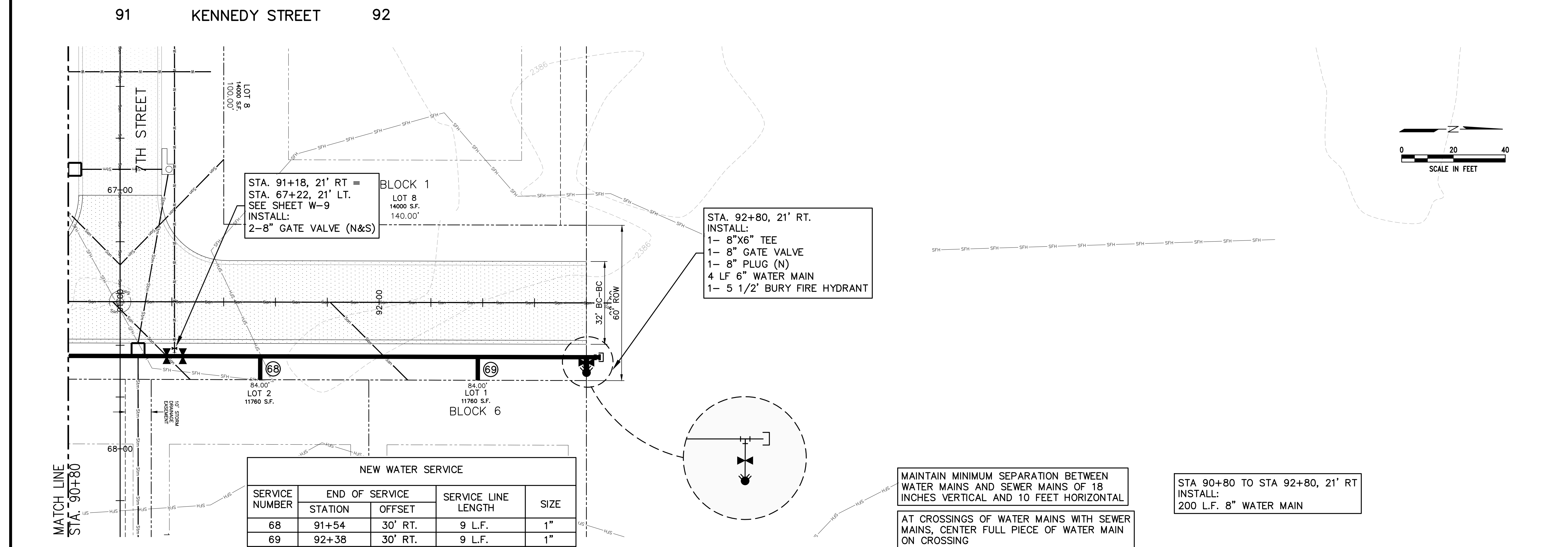
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WATER PLAN & PROFILE
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SCALE:
PROJECT NO. 127-A1-118
DATE: SEPTEMBER, 2020
FIELD BOOK M&A DWG NO. MA NUMBER
DRAWN BY: APRVD BY:
SHEET **W-12**



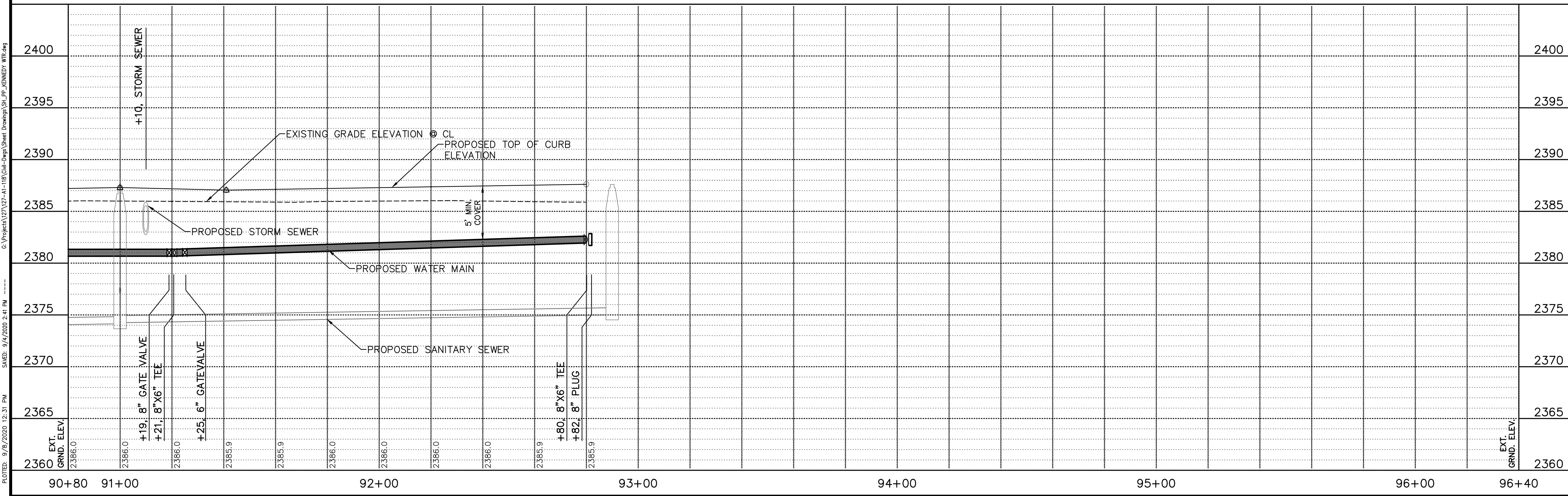
NEW WATER SERVICE

SERVICE NUMBER	END OF SERVICE		SERVICE LINE LENGTH	SIZE
	STATION	OFFSET		
68	91+54	30' RT.	9 L.F.	1"
69	92+38	30' RT.	9 L.F.	1"

MAINTAIN MINIMUM SEPARATION BETWEEN WATER MAINS AND SEWER MAINS OF 18 INCHES VERTICAL AND 10 FEET HORIZONTAL

AT CROSSINGS OF WATER MAINS WITH SEWER MAINS, CENTER FULL PIECE OF WATER MAIN ON CROSSING

STA 90+80 TO STA 92+80, 21' RT
INSTALL:
200 L.F. 8" WATER MAIN



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