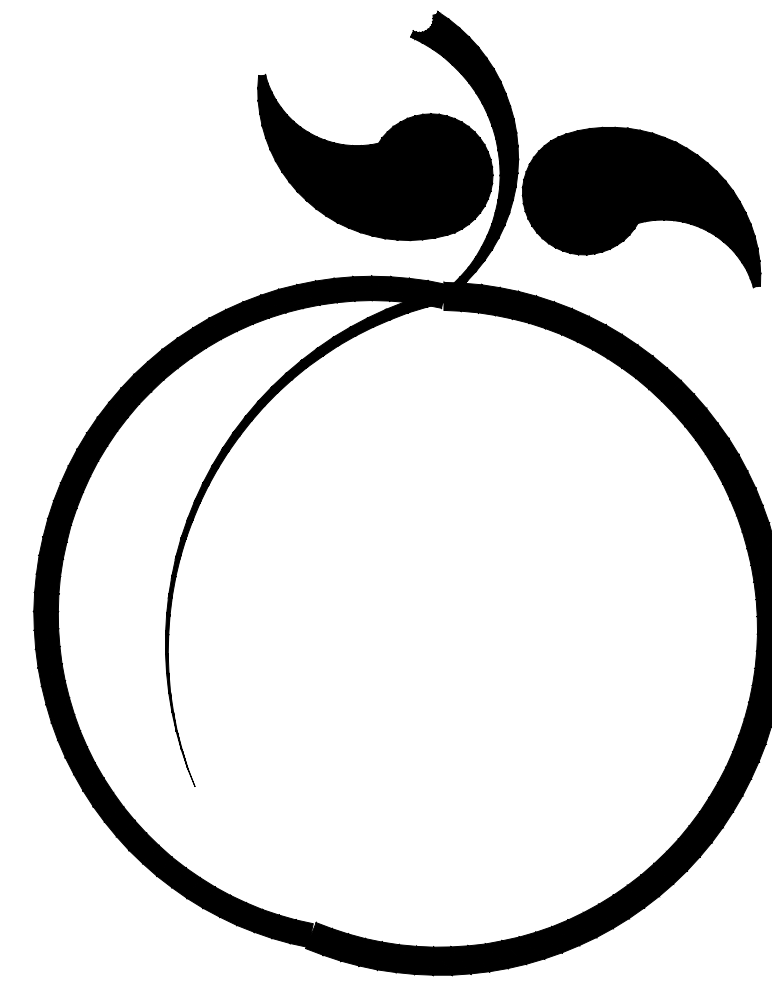


DRAWINGS FOR

EAST ADDITION PHASE 1 IMPROVEMENTS



INDEX OF DRAWINGS	
SHT. NO.	DESCRIPTION
G-1	TITLE SHEET & INDEX
G-2	LOCATION MAP & NOTES
G-3	TYPICAL CROSS SECTIONS
G-4	EROSION CONTROL PLAN
S-1 to S-11	SANITARY SEWER PLAN & PROFILE
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
X-1 to X-3	4TH STREET CROSS SECTIONS
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?**



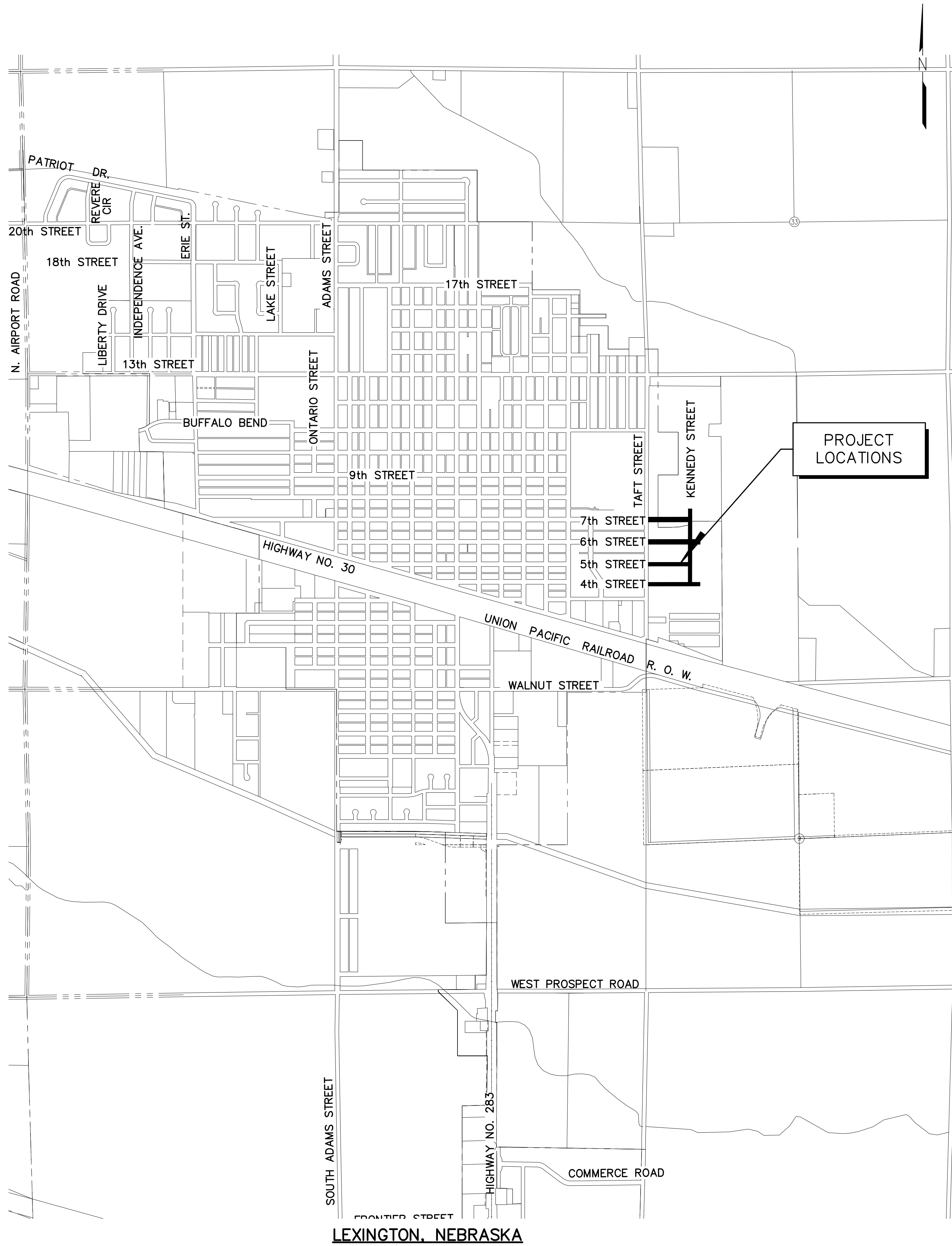
SET NO. _____
DRAWING NO. _____

UTILITIES

GENERAL DIGGERS HOT LINE
8-1-1



MILLER & ASSOCIATES Consulting Engineers P.C.
1111 Central Avenue - Kearney, NE 68847



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		OHE OVERHEAD ELECTRICAL LINE
	ELECTRICAL BOX		E UNDERGROUND ELECTRICAL LINE
	POWER POLE		T UNDERGROUND TELEPHONE LINE
	POWER POLE WITH LIGHT		UGS UNDERGROUND GAS LINE
	GUY WIRE		TV UNDERGROUND CABLE TV LINE
	TRAFFIC LIGHT		FO UNDERGROUND FIBER OPTIC LINE
	TELEPHONE RISER		-274- EXISTING GROUND CONTOUR
	STREET SIGN		-274- 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.

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

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SCALE: _____

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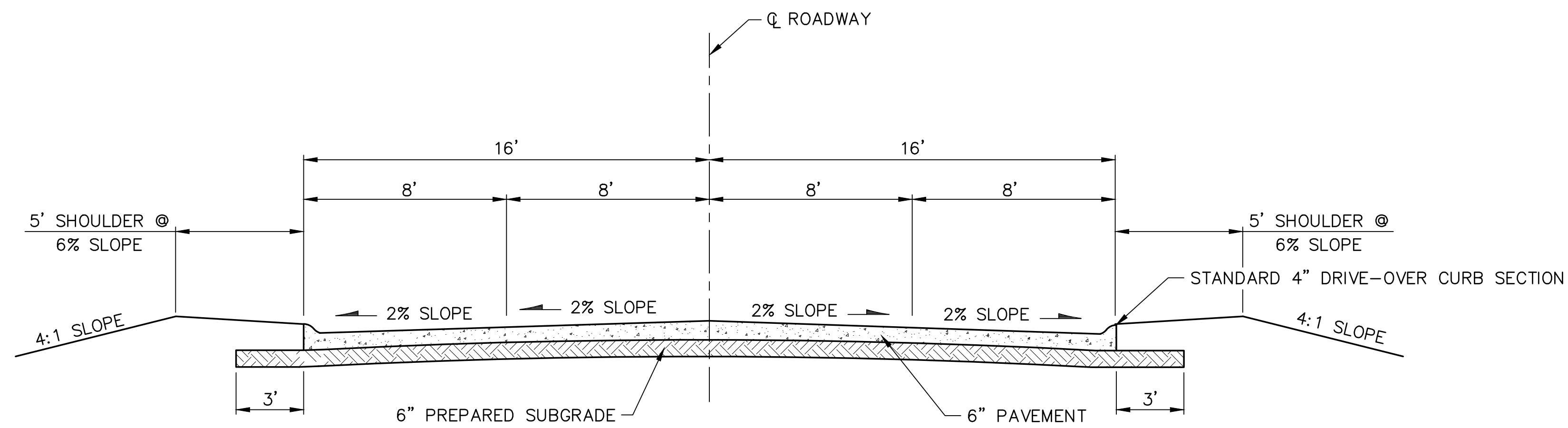
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FIELD BOOK _____ M&A DWG NO. _____
 MA NUMBER _____

DRAWN BY: _____ APRVD BY: _____

SHEET **G-2**

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32' TANGENT SLAB PAVEMENT
NO SCALE

EAST ADDITION PHASE 1 IMPROVEMENTS
TYPICAL CROSS SECTIONS
LEXINGTON, NEBRASKA

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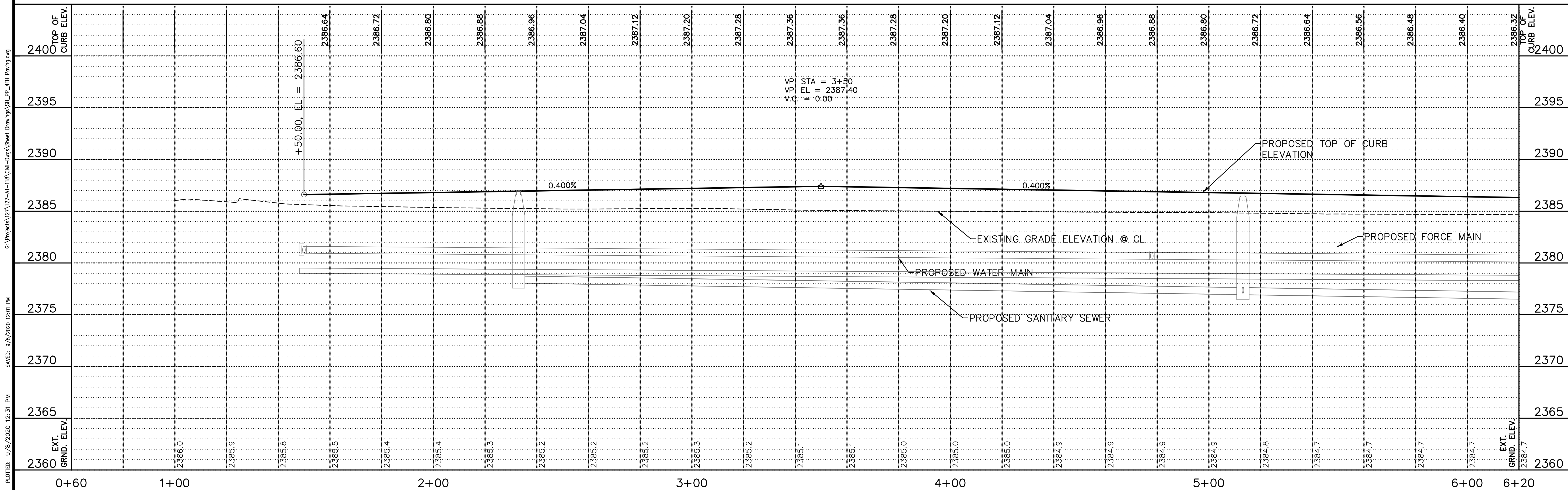
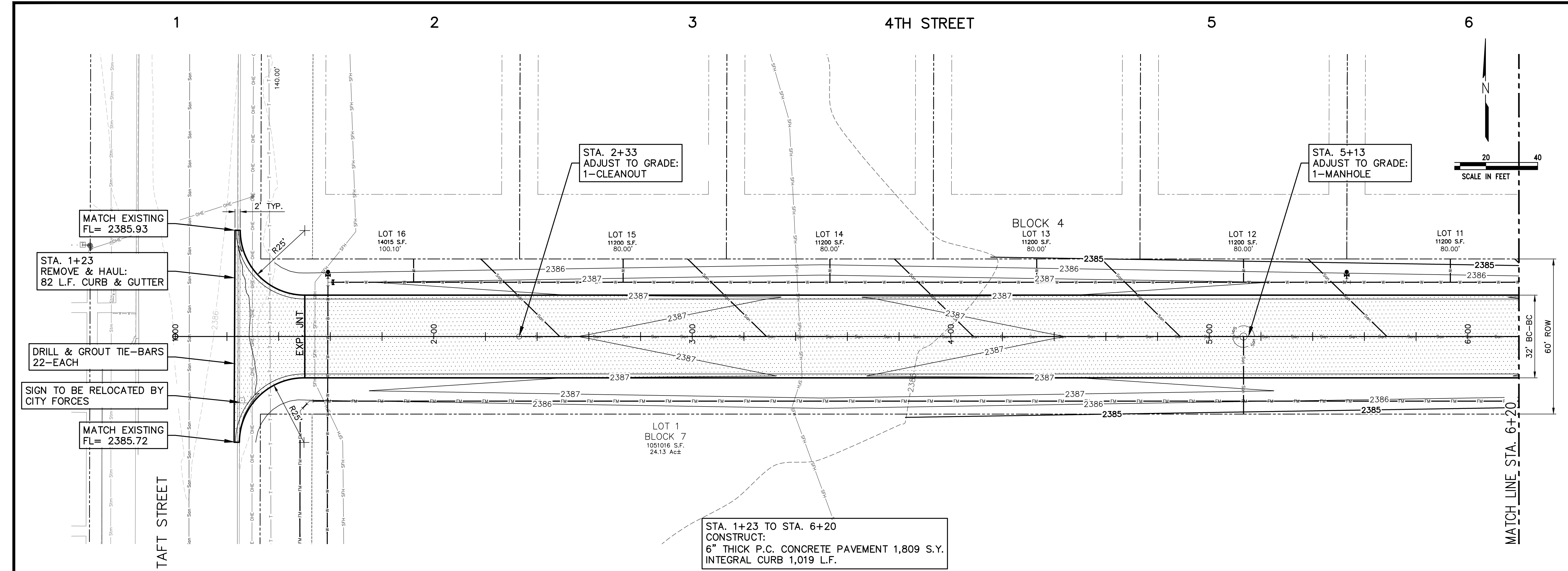
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127-A1-118

DATE:
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FIELD BOOK M&A DWG NO.
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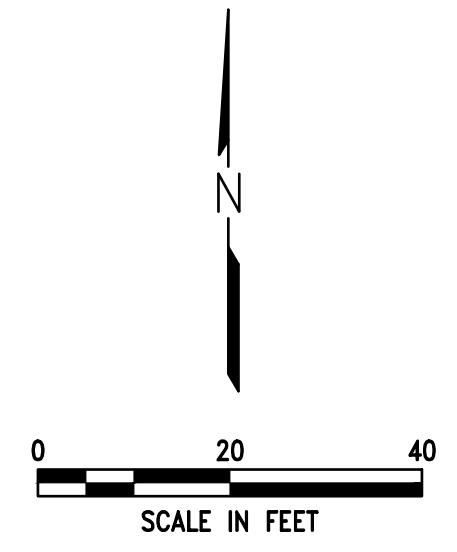
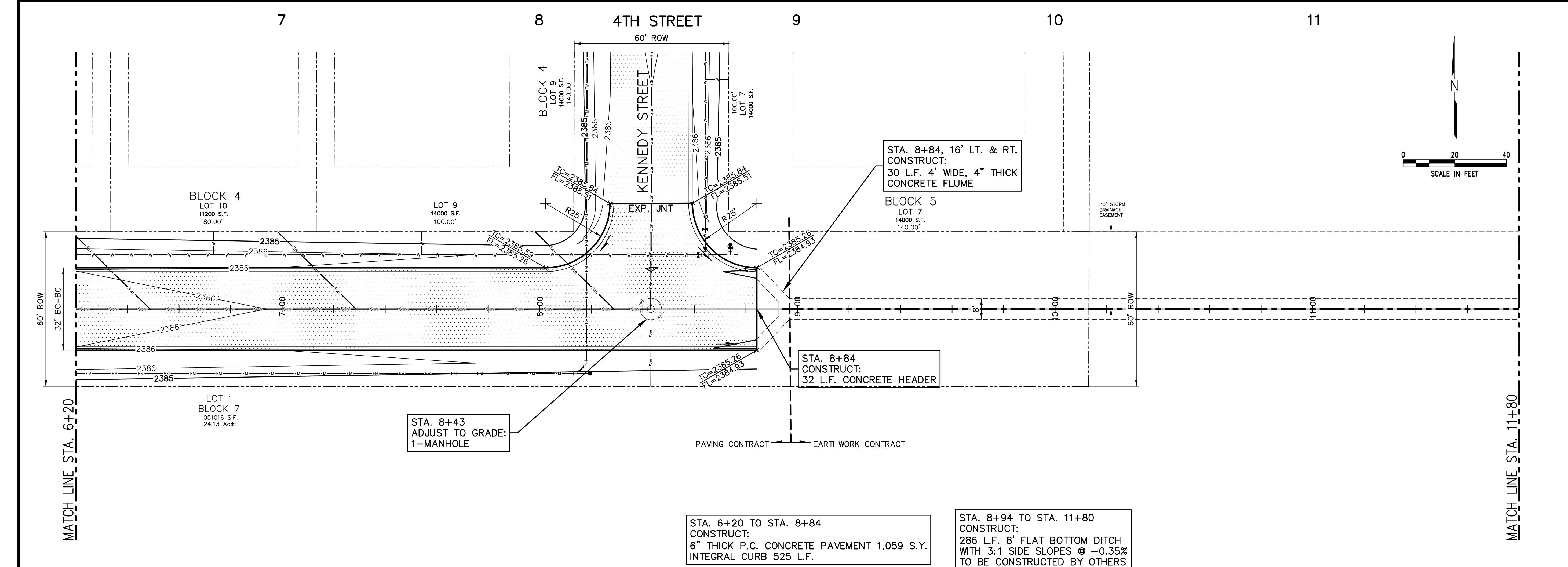
DRAWN BY: APRVD BY:

SHEET
G-3



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EAST ADDITION PHASE 1 IMPROVEMENTS 4TH STREET PAVING - PLAN & PROFILE LEXINGTON, NEBRASKA	
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SHEET P-1	

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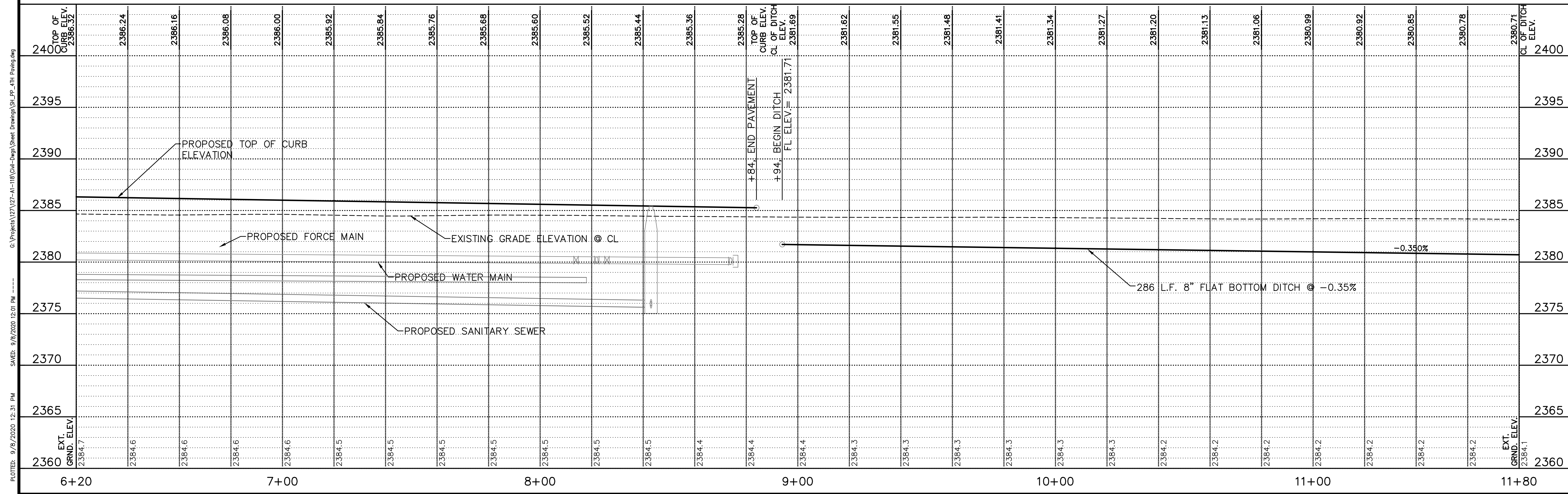
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EAST ADDITION PHASE 1 IMPROVEMENTS

4TH STREET PAVING - PLAN & PROFILE

LEXINGTON, NEBRASKA

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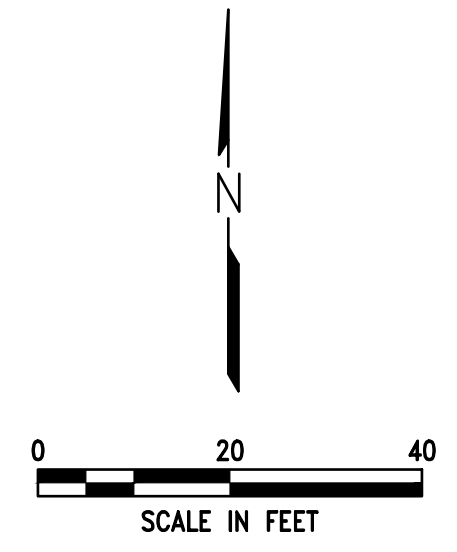
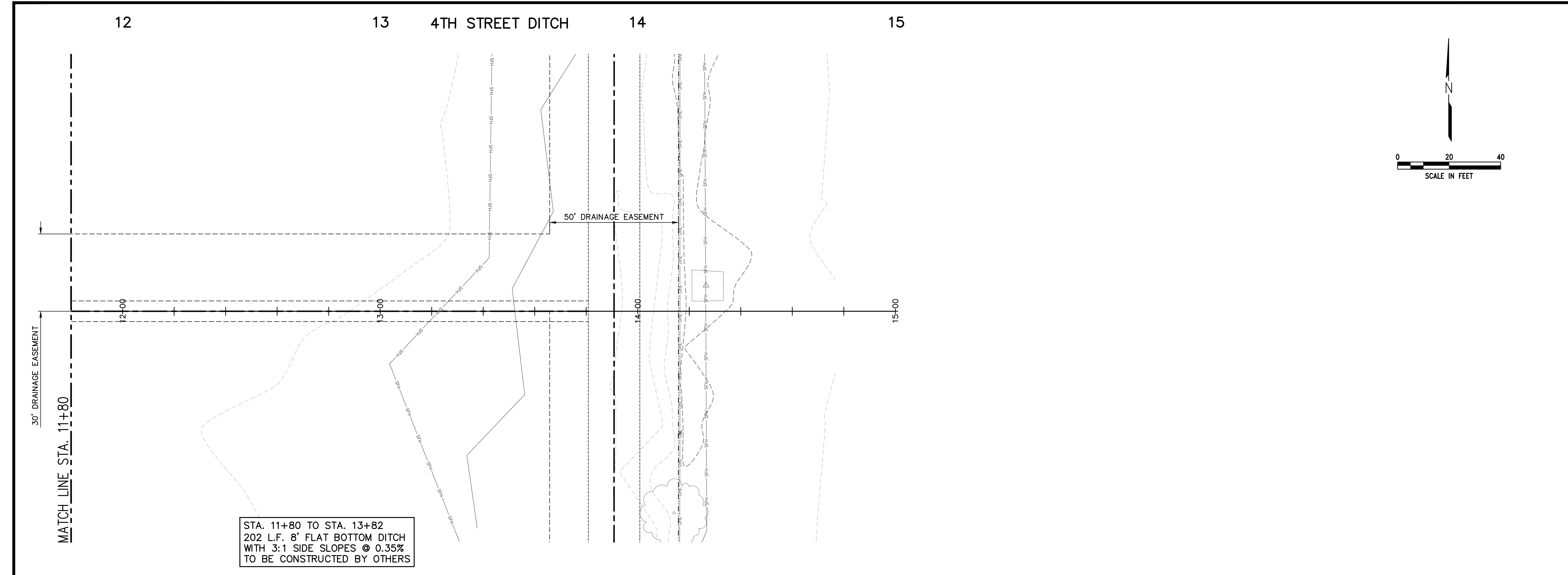
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FIELD BOOK M&A DWG NO.
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SHEET
P-2

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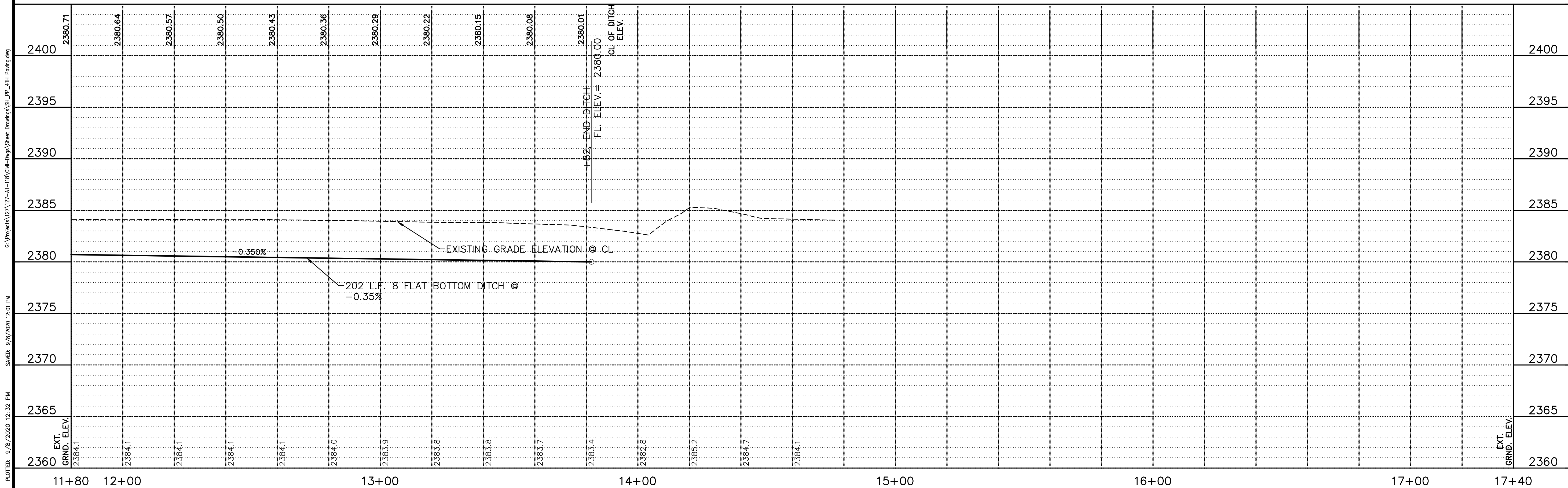
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4TH STREET PAVING - PLAN & PROFILE

LEXINGTON, NEBRASKA

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DATE: SEPTEMBER, 2020

FIELD BOOK M&A DWG NO.

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SHEET **P-3**

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20

21

22

5TH STREET

24

25

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EAST ADDITION PHASE 1 IMPROVEMENTS
5TH STREET PAVING - PLAN & PROFILE
LEXINGTON, NEBRASKA

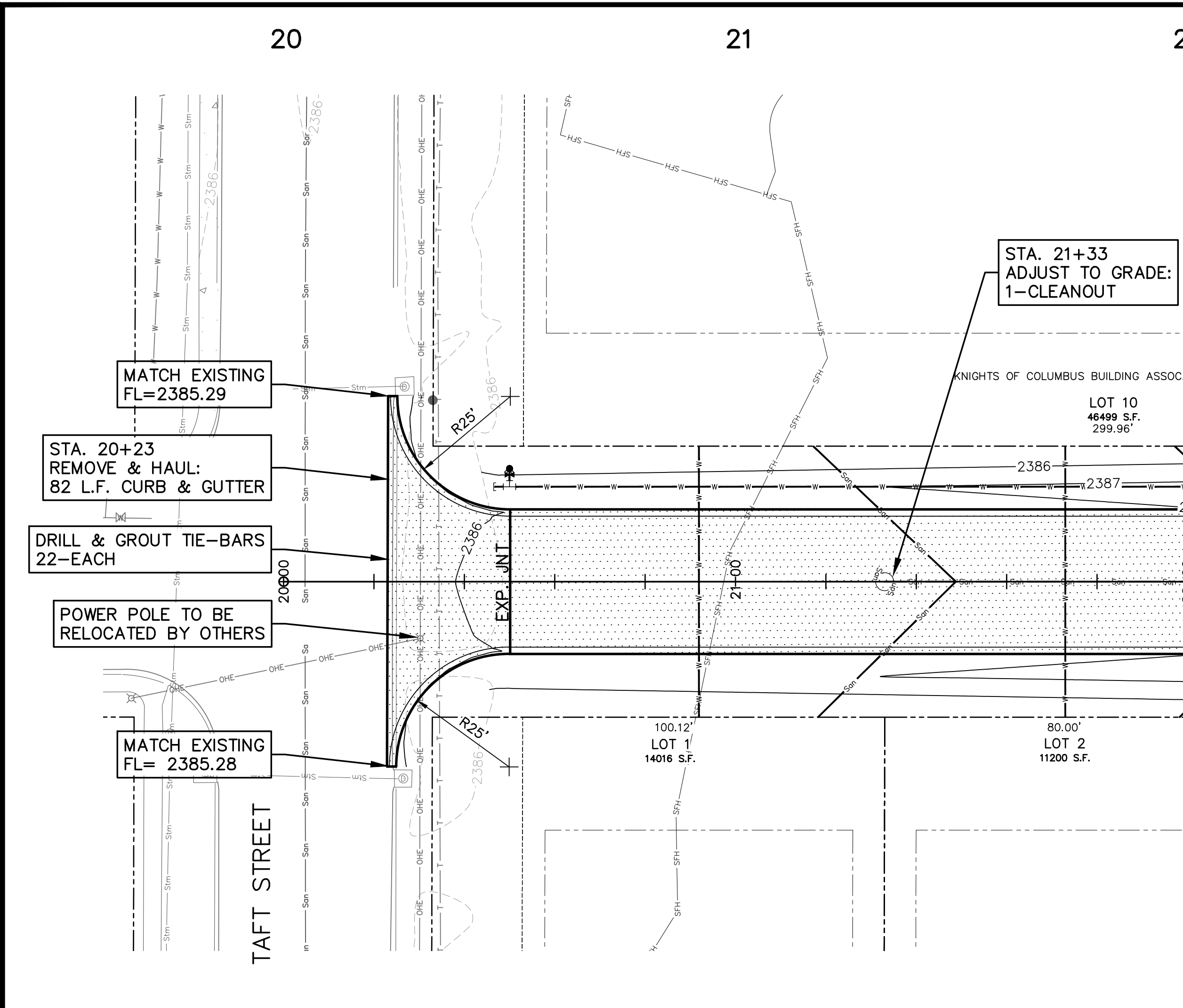
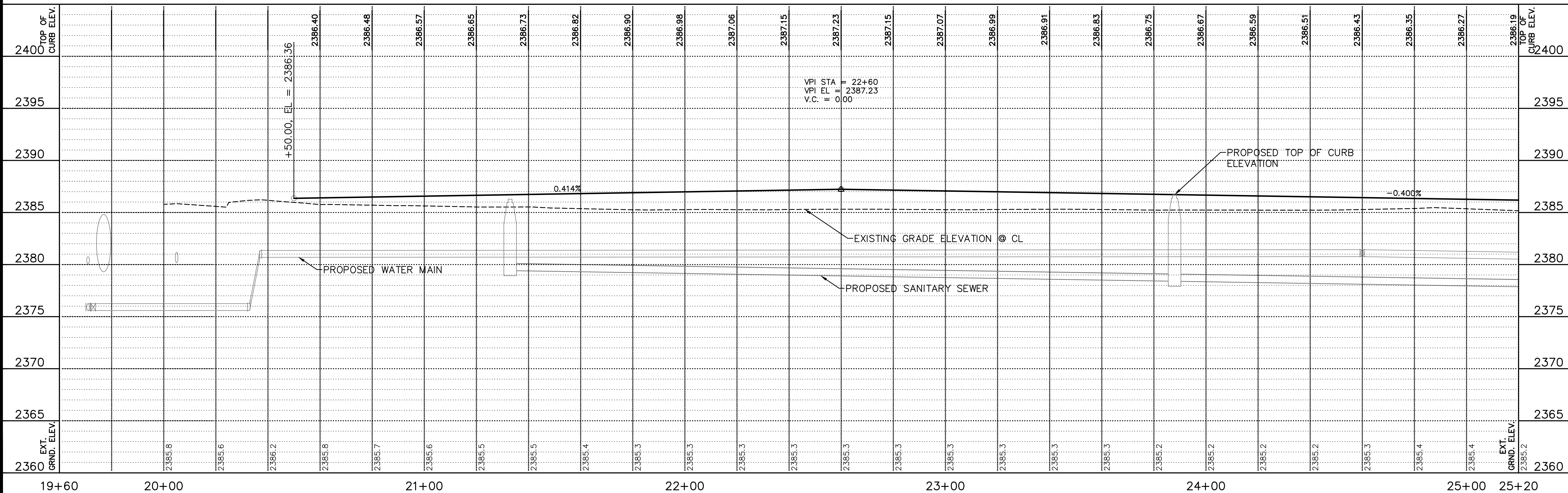
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127-A1-118

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M&A DWG NO.
MA NUMBER

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SHEET
P-4

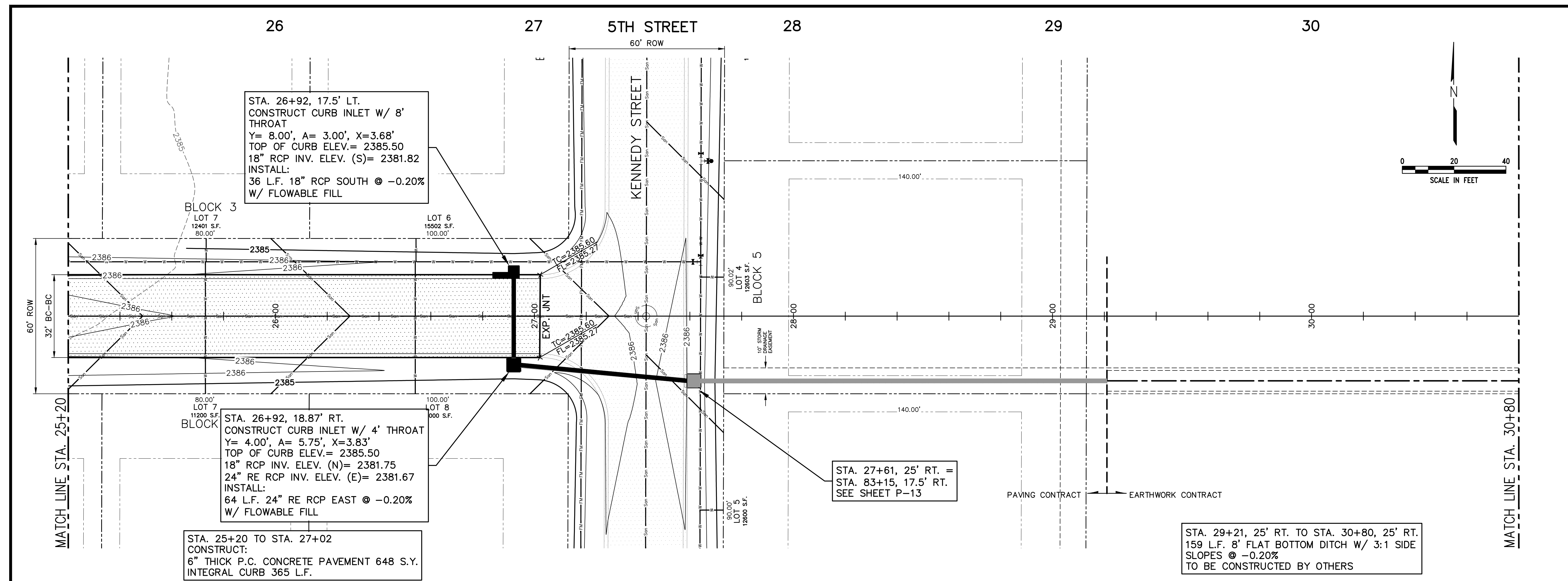


STA. 20+23 TO STA. 25+20
CONSTRUCT:
6" THICK P.C. CONCRETE PAVEMENT 1,808 S.Y.
INTEGRAL CURB 1,019 L.F.

STA. 21+33
ADJUST TO GRADE:
1-CLEANOUT

STA. 23+88
ADJUST TO GRADE:
1-MANHOLE

PROJECT: 127-A1-118 (Civil-Eng) Sheet: Drawings: 5th St Paving.dwg
DATE: 9/8/2020 11:39 AM
SAVED: 9/8/2020 11:39 AM
PLOT: 9/8/2020 12:32 PM



STA. 26+92, 17.5' LT.
 CONSTRUCT CURB INLET W/ 8' THROAT
 $Y = 8.00'$, $A = 3.00'$, $X = 3.68'$
 TOP OF CURB ELEV. = 2385.50
 18" RCP INV. ELEV. (S) = 2381.82
 INSTALL:
 36 L.F. 18" RCP SOUTH @ -0.20%
 W/ FLOWABLE FILL

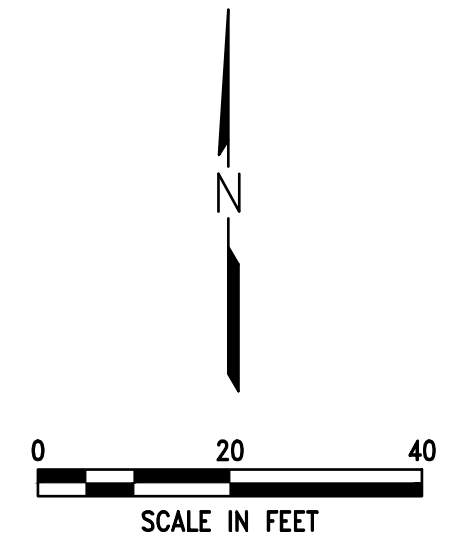
STA. 26+92, 18.87' RT.
 CONSTRUCT CURB INLET W/ 4' THROAT
 $Y = 4.00'$, $A = 5.75'$, $X = 3.83'$
 TOP OF CURB ELEV. = 2385.50
 18" RCP INV. ELEV. (N) = 2381.75
 24" RE RCP INV. ELEV. (E) = 2381.67
 INSTALL:
 64 L.F. 24" RE RCP EAST @ -0.20%
 W/ FLOWABLE FILL

STA. 25+20 TO STA. 27+02
 CONSTRUCT:
 6" THICK P.C. CONCRETE PAVEMENT 648 S.Y.
 INTEGRAL CURB 365 L.F.

STA. 27+61, 25' RT. =
 STA. 83+15, 17.5' RT.
 SEE SHEET P-13

STA. 29+21, 25' RT. TO STA. 30+80, 25' RT.
 159 L.F. 8' FLAT BOTTOM DITCH W/ 3:1 SIDE SLOPES @ -0.20%
 TO BE CONSTRUCTED BY OTHERS

STATION	TOP OF CURB ELEV.	EXISTING GRADE ELEV. @ CL	PROPOSED TOP OF CURB ELEVATION	PROPOSED WATER MAIN	PROPOSED SANITARY SEWER	PROPOSED DITCH
25+20	2386.19	2385.2	2386.11			
26+00	2386.03	2384.8	2386.05			
26+92	2385.87	2384.7	2385.71			
27+00	2385.58	2384.5	2385.55			
27+61	2385.60	2384.5	2385.55			
28+00	2385.55	2384.4	2385.55			
29+21	2381.18	2384.3	2381.14			
30+00	2381.06	2384.2	2381.02			
30+80	2380.94	2384.2	2380.94			



REVISIONS

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EAST ADDITION PHASE 1 IMPROVEMENTS
5TH STREET PAVING - PLAN & PROFILE
 LEXINGTON, NEBRASKA

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 DATE: SEPTEMBER, 2020
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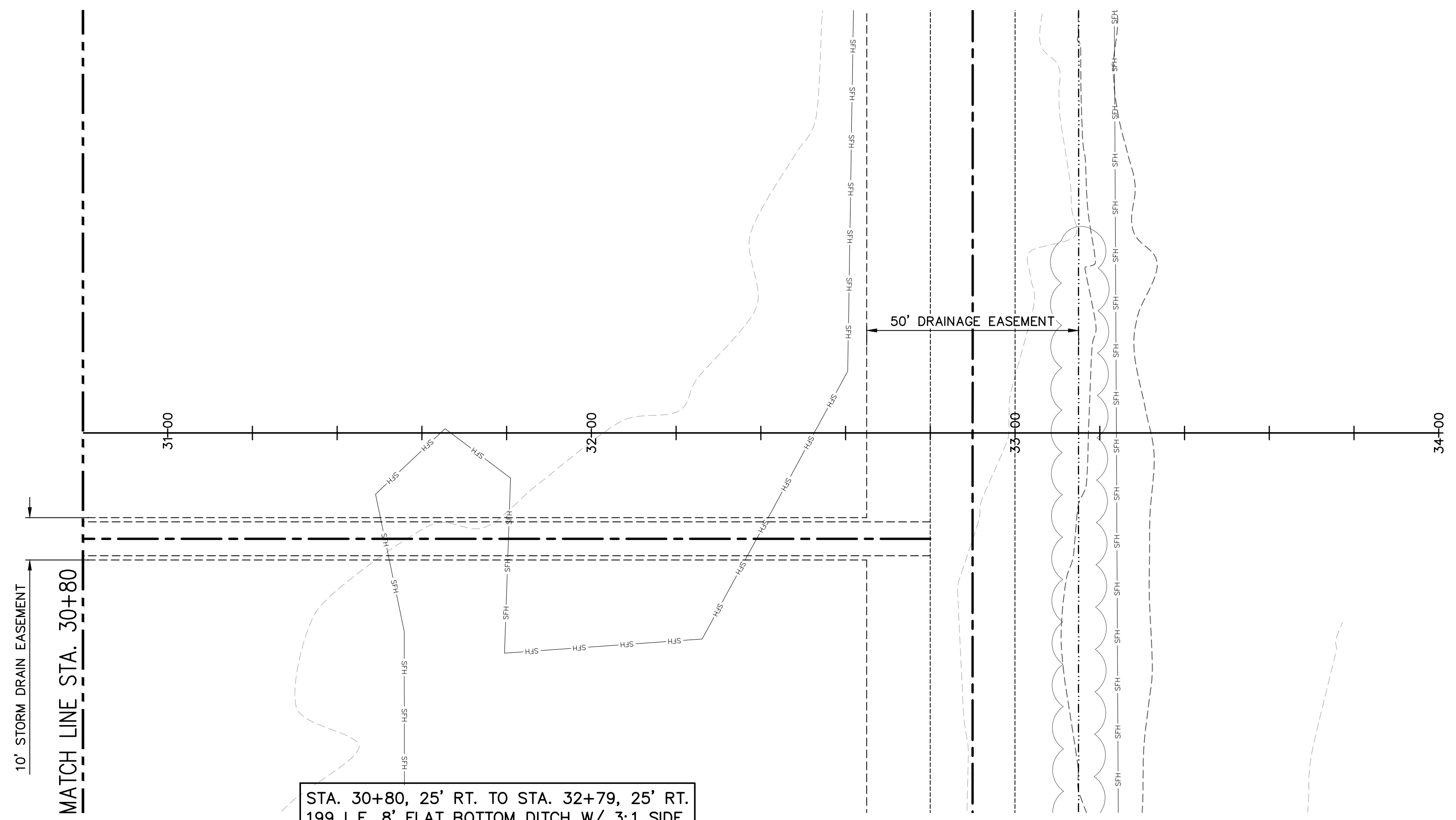
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31

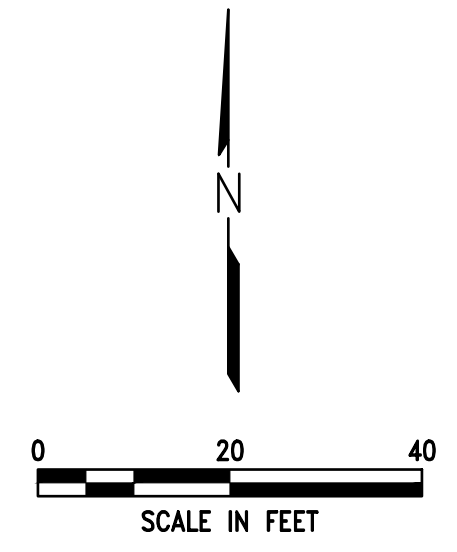
32

5TH STREET DITCH

33



STA. 30+80, 25' RT. TO STA. 32+79, 25' RT.
 199 L.F. 8' FLAT BOTTOM DITCH W/ 3:1 SIDE
 SLOPES @ -0.20%
 TO BE CONSTRUCTED BY OTHERS



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EAST ADDITION PHASE 1 IMPROVEMENTS
5TH STREET PAVING - PLAN & PROFILE
 LEXINGTON, NEBRASKA

EXT. GRND. ELEV.	CL OF DITCH ELEV.	STATION
2360.2	2360.90	30+80
2384.1	2380.86	31+00
2384.1	2380.82	
2384.1	2380.78	
2384.1	2380.74	
2384.1	2380.70	
2384.0	2380.66	
2384.0	2380.62	
2383.9	2380.58	
2383.8	2380.54	
2383.6	2380.50	32+79
2384.1	2380.50	33+00
2385.1		
2384.7		
2384.3		
		34+00
		35+00
		36+00
		36+40

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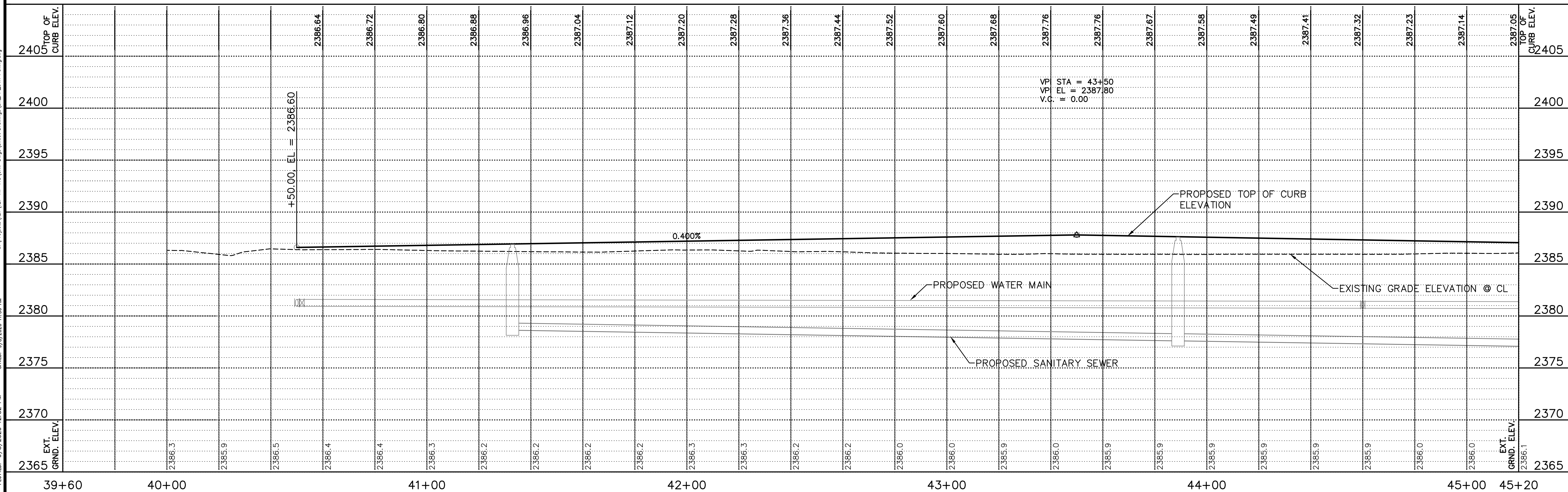
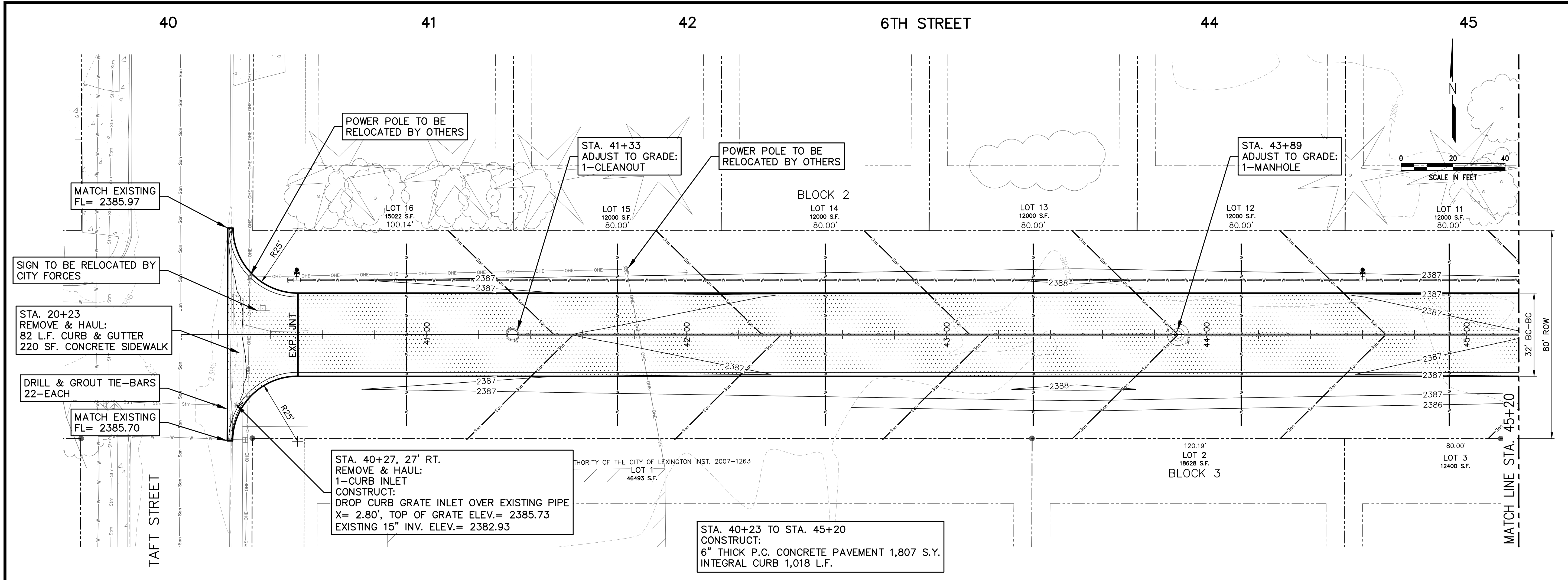
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 127-A1-118

DATE:
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FIELD BOOK
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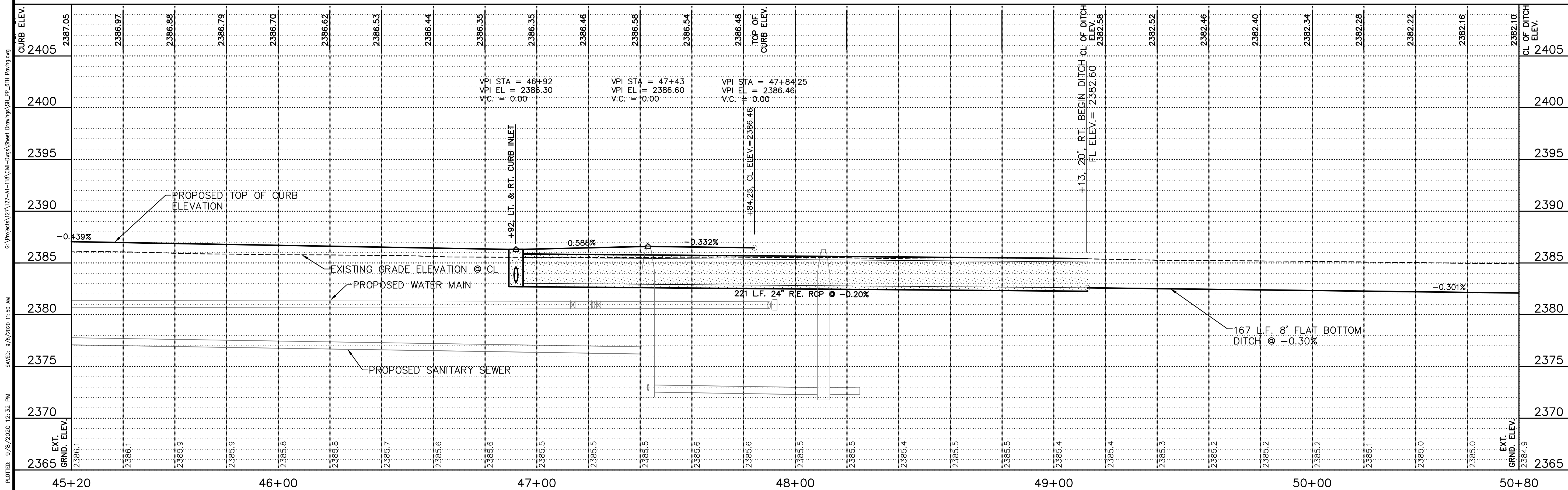
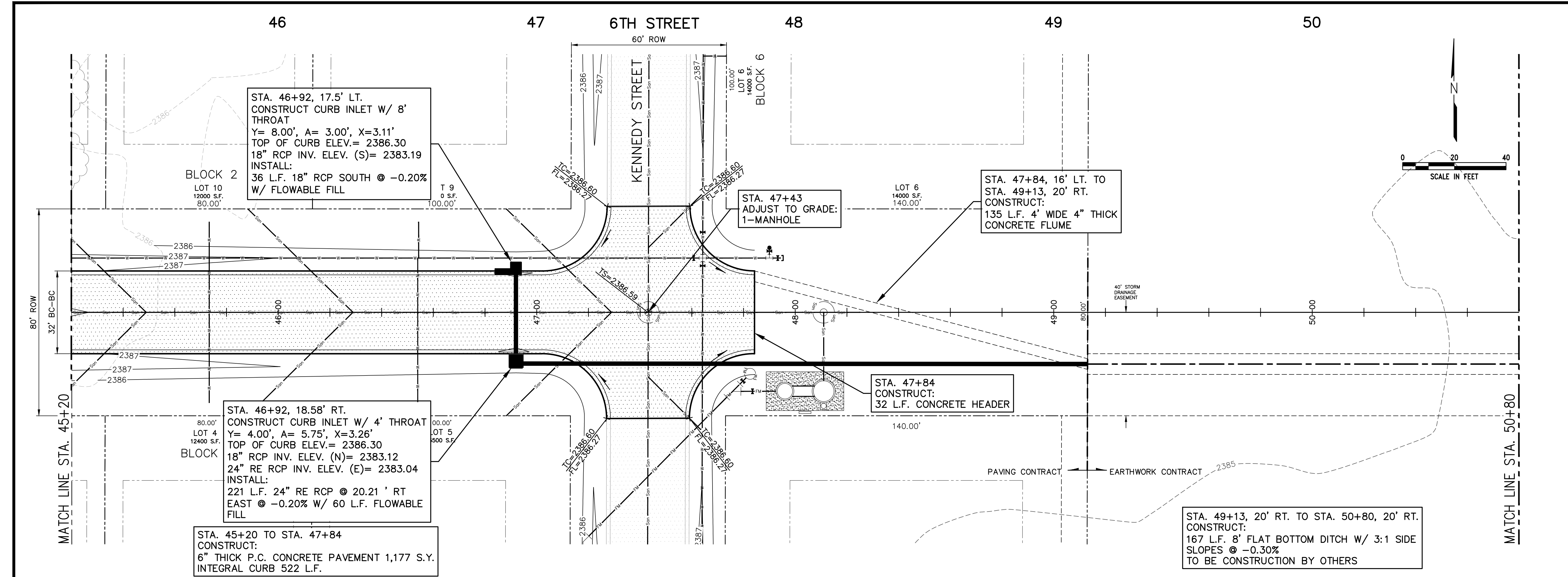
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SHEET
P-6



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FIELD BOOK	M&A DWG NO. MA NUMBER
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SHEET P-7	



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EAST ADDITION PHASE 1 IMPROVEMENTS
6TH STREET PAVING - PLAN & PROFILE
 LEXINGTON, NEBRASKA

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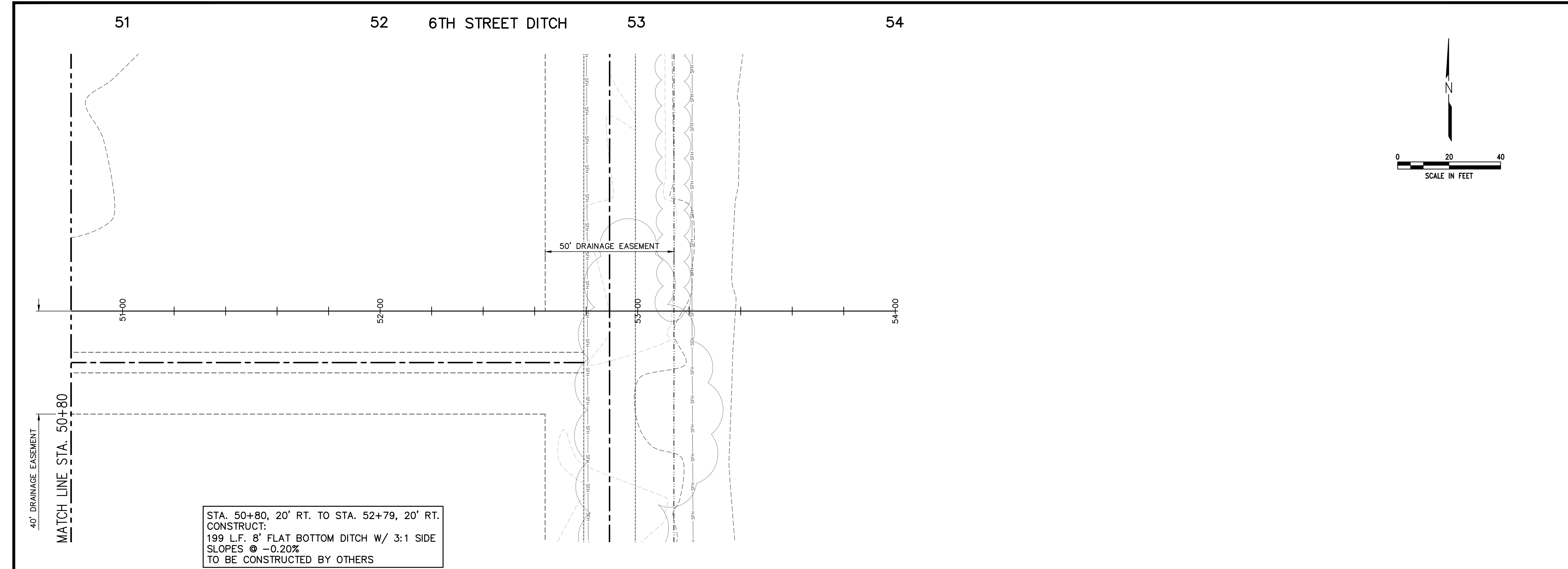
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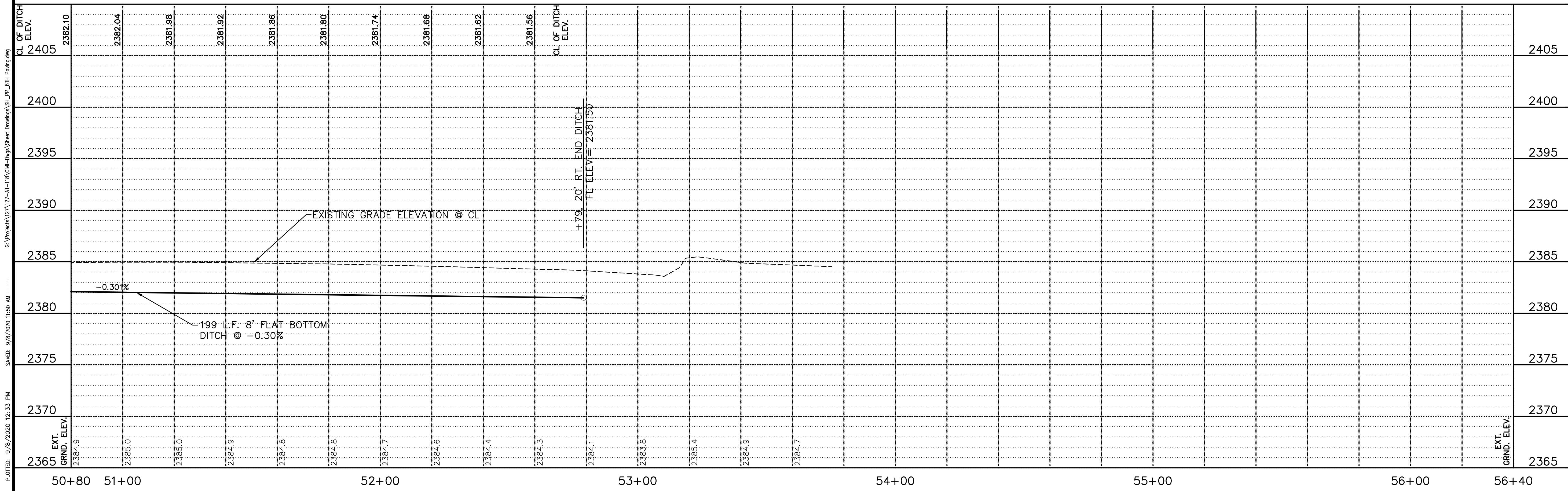
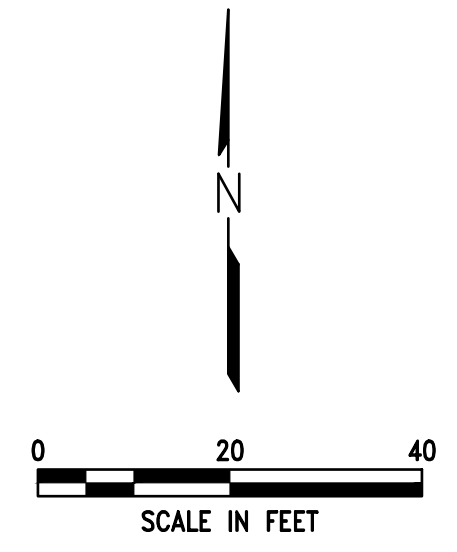
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SHEET **P-8**

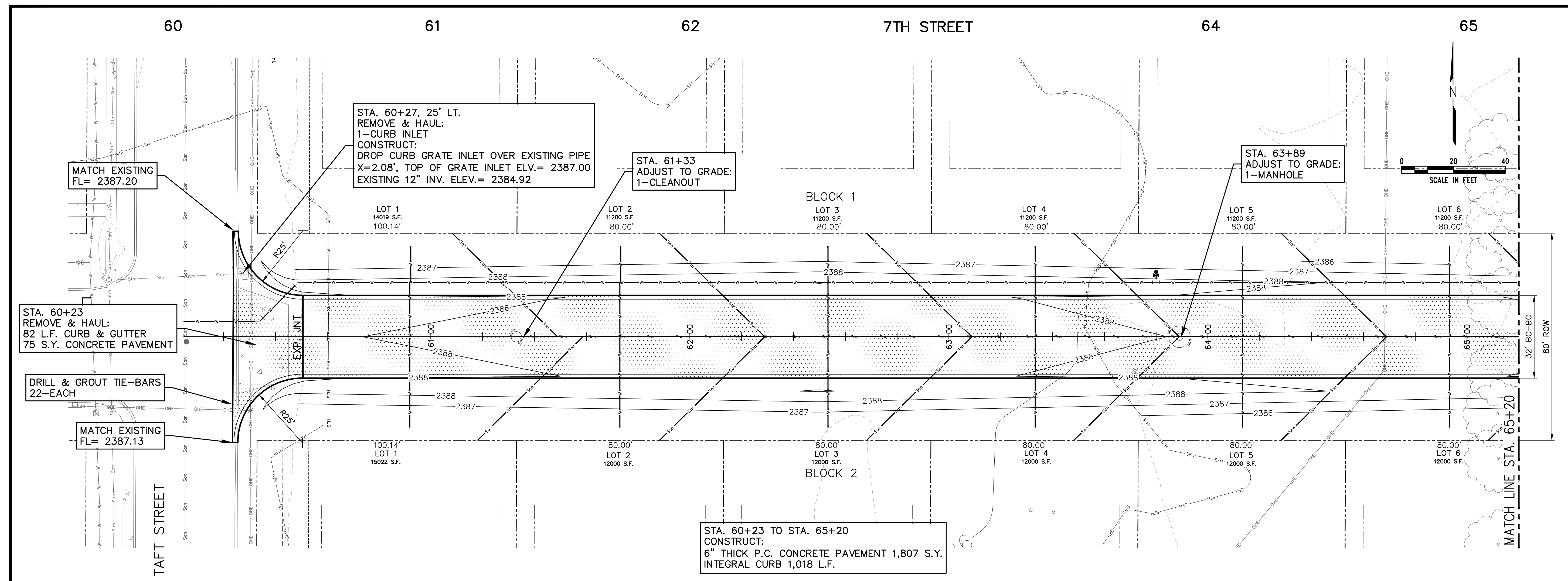


STA. 50+80, 20' RT. TO STA. 52+79, 20' RT.
 CONSTRUCT:
 199 L.F. 8' FLAT BOTTOM DITCH W/ 3:1 SIDE
 SLOPES @ -0.20%
 TO BE CONSTRUCTED BY OTHERS



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APRVD BY:	
SHEET P-9	



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EAST ADDITION PHASE 1 IMPROVEMENTS
7TH STREET PAVING - PLAN & PROFILE
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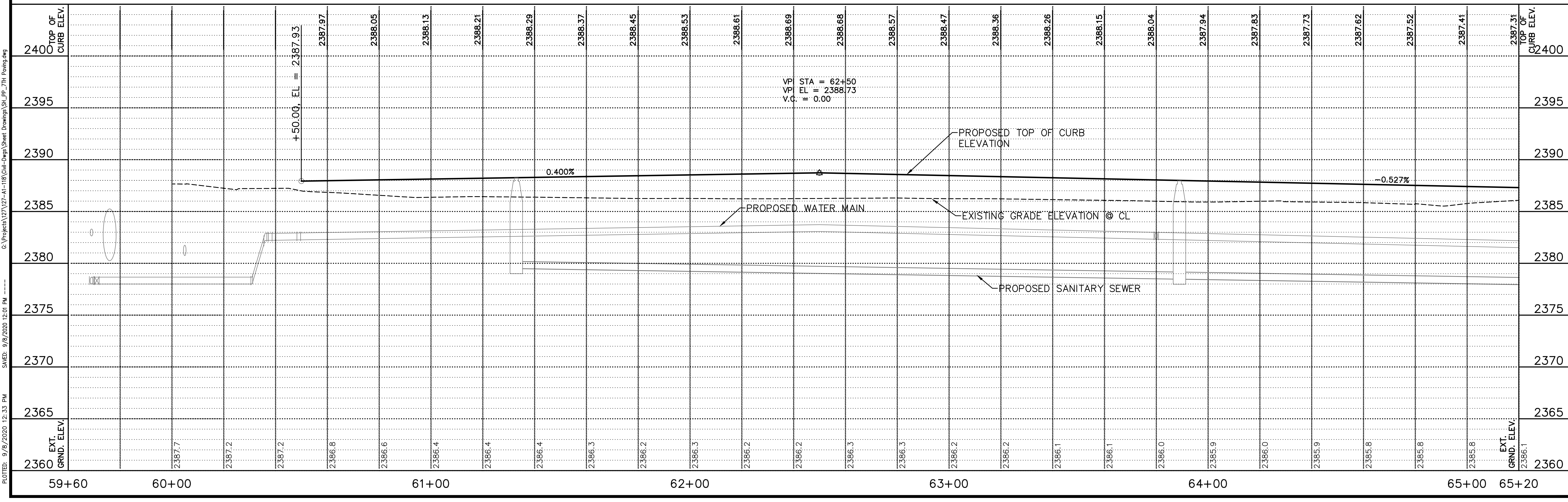
PROJECT NO. 127-A1-118

DATE: SEPTEMBER, 2020

FIELD BOOK: M&A DWG NO. MA NUMBER

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SHEET **P-10**



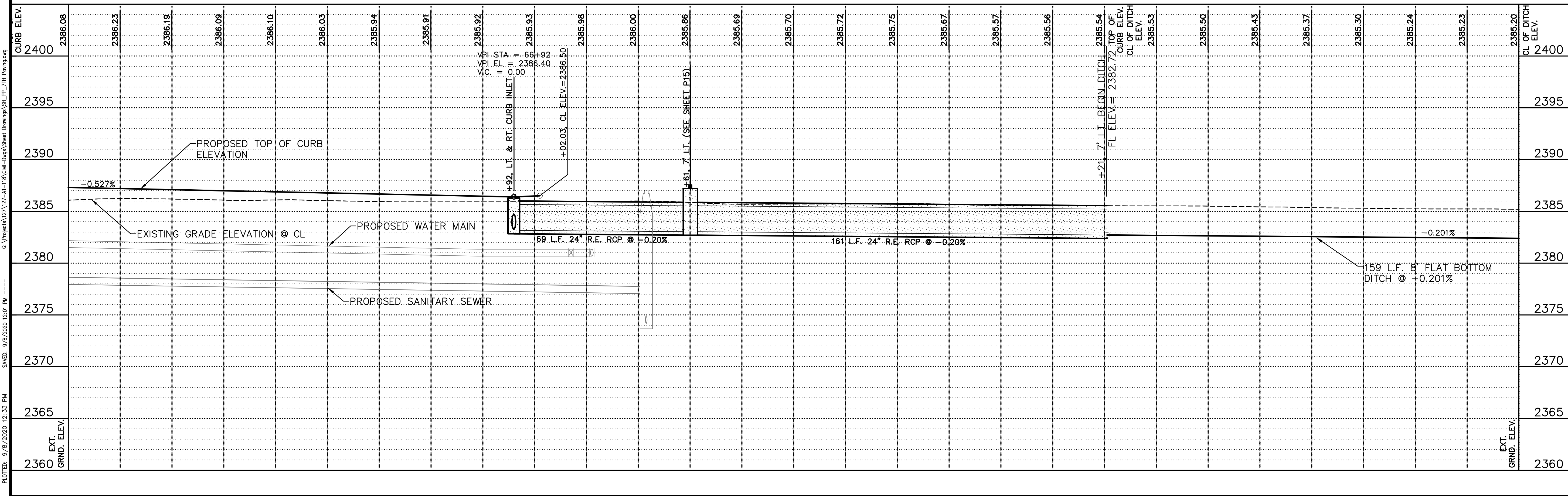
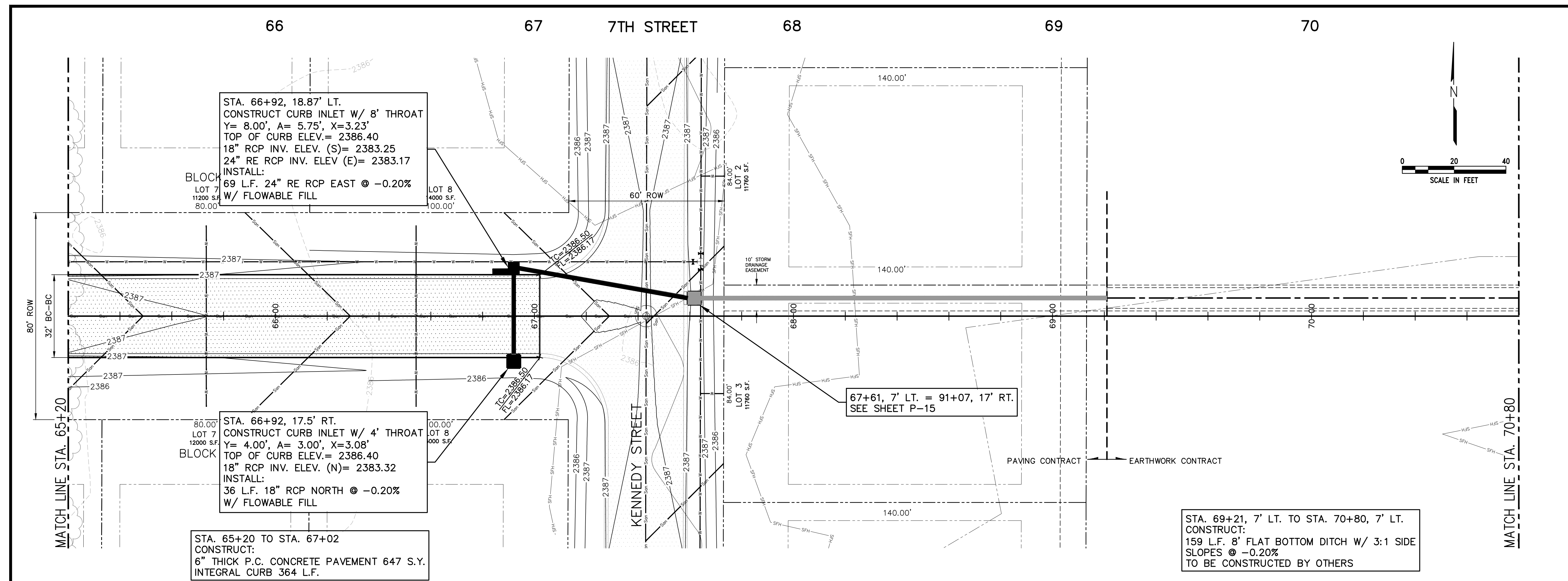
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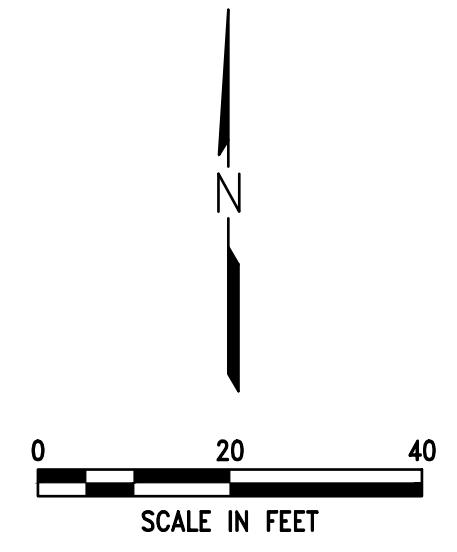
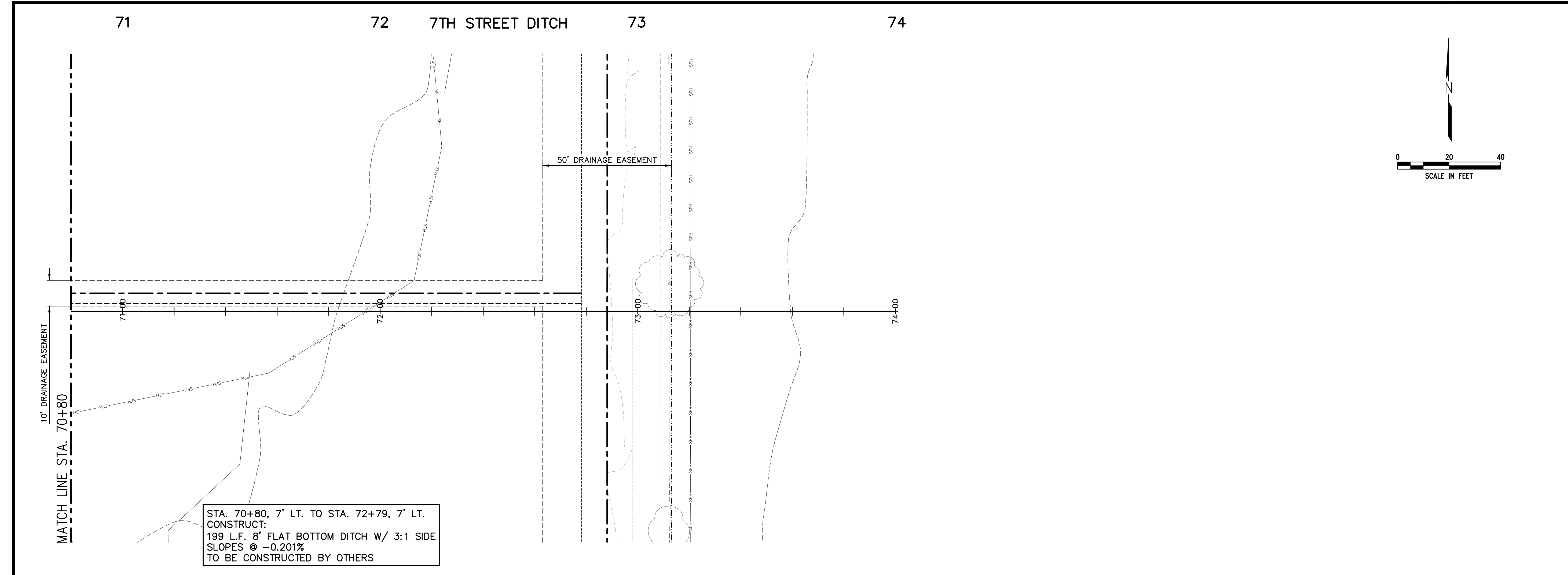
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7TH STREET PAVING - PLAN & PROFILE
 LEXINGTON, NEBRASKA

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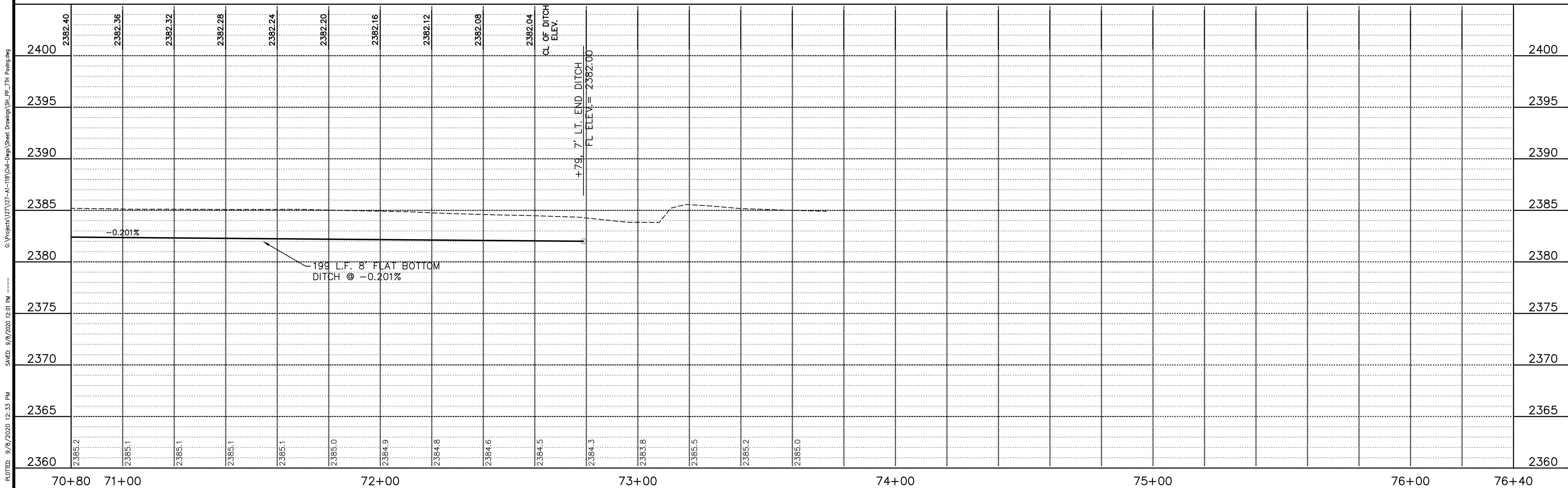
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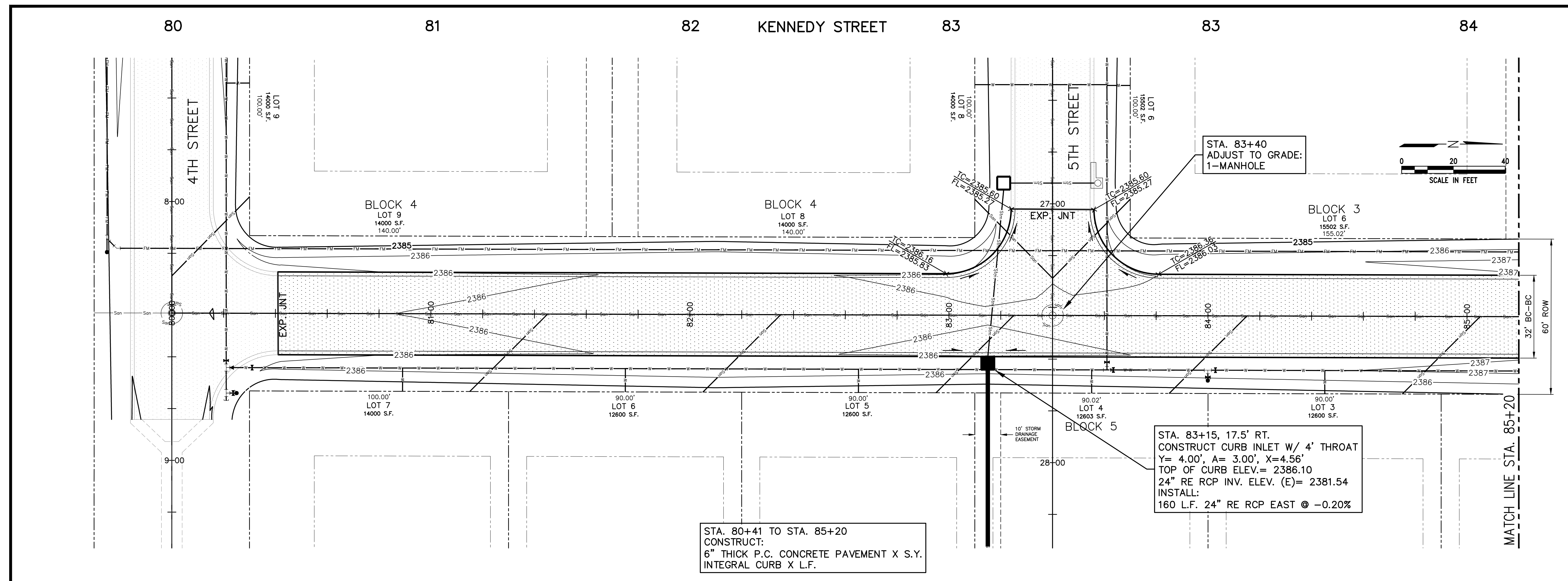
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STA. 80+41 TO STA. 85+20
 CONSTRUCT:
 6" THICK P.C. CONCRETE PAVEMENT X S.Y.
 INTEGRAL CURB X L.F.

STA. 83+15, 17.5' RT.
 CONSTRUCT CURB INLET W/ 4' THROAT
 Y = 4.00', A = 3.00', X = 4.56'
 TOP OF CURB ELEV. = 2386.10
 24" RE RCP INV. ELEV. (E) = 2381.54
 INSTALL:
 160 L.F. 24" RE RCP EAST @ -0.20%

STA. 83+40
 ADJUST TO GRADE:
 1-MANHOLE

STATION	EXT. GRND. ELEV.	TOP OF CURB ELEV.
79+00	2365.4	2400.0
80+00	2384.5	2385.92
81+00	2384.6	2386.00
82+00	2384.5	2386.08
83+00	2384.6	2386.16
84+00	2384.6	2386.24
85+00	2384.5	2386.32
85+20	2384.5	2386.40
85+20	2384.5	2386.48
85+20	2384.5	2386.48
85+20	2384.6	2386.40
85+20	2384.5	2386.32
85+20	2384.5	2386.24
85+20	2384.4	2386.16
85+20	2384.4	2386.12
85+20	2384.4	2386.20
85+20	2384.5	2386.29
85+20	2384.5	2386.37
85+20	2384.6	2386.45
85+20	2384.6	2386.54
85+20	2384.6	2386.62
85+20	2384.6	2386.70
85+20	2384.6	2386.79
85+20	2384.6	2386.87
85+20	2384.7	2386.95
85+20	2365.4	2405.0

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	P-13

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KENNEDY STREET

89

90

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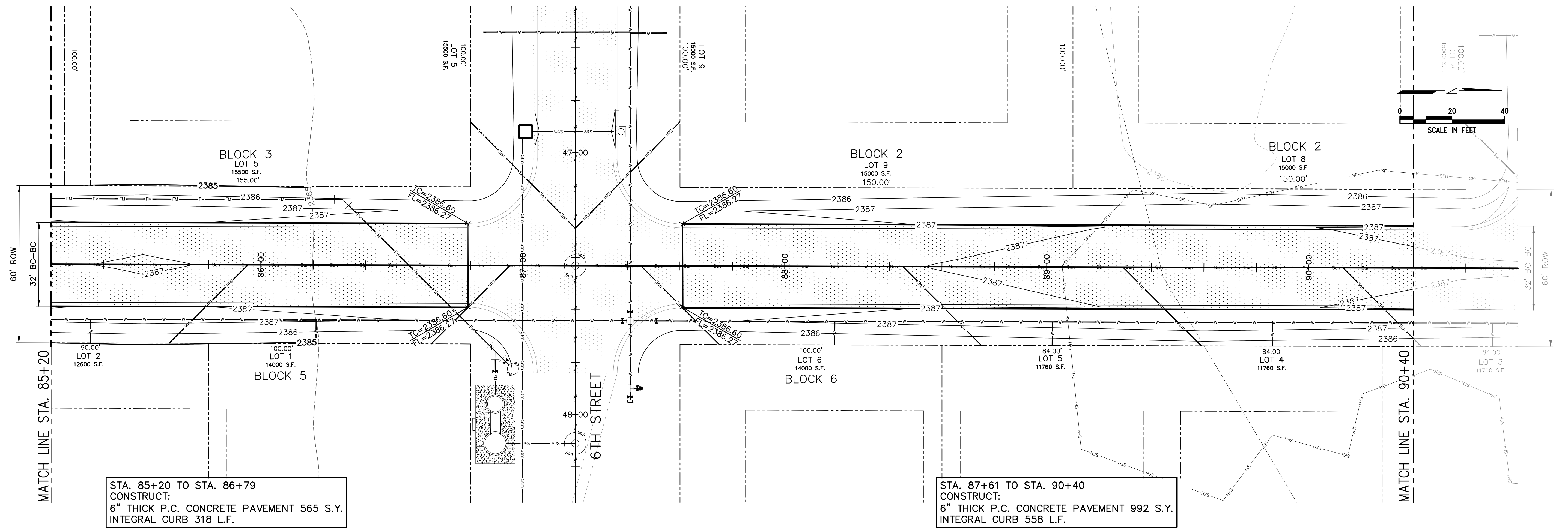
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STA. 85+20 TO STA. 86+79
CONSTRUCT:
6" THICK P.C. CONCRETE PAVEMENT 565 S.Y.
INTEGRAL CURB 318 L.F.

STA. 87+61 TO STA. 90+40
CONSTRUCT:
6" THICK P.C. CONCRETE PAVEMENT 992 S.Y.
INTEGRAL CURB 558 L.F.

STATION	TOP OF CURB ELEV.	PROPOSED TOP OF CURB ELEVATION	EXISTING GRADE ELEVATION @ CL	PROPOSED FORCE MAIN	PROPOSED WATER MAIN	PROPOSED SANITARY SEWER
2405	2386.95					
2400	2387.04					
2395	2387.08					
2390	2387.00					
2385	2386.92					
2380	2386.84					
2375	2386.76					
2370	2386.68					
2365	2386.60					
85+20	2386.60					
86+00	2386.60					
87+00	2386.60					
88+00	2386.60					
89+00	2386.60					
90+00	2386.60					
90+80	2386.60					
2405	2387.21					
2400	2387.19					
2395	2387.11					
2390	2387.11					
2385	2387.11					
2380	2387.11					
2375	2387.11					
2370	2387.11					
2365	2387.11					

VPI STA = 85+55
VPI EL = 2387.10
V.C. = 0.00

VPI STA = 86+79
VPI EL = 2386.60
V.C. = 0.00

VPI STA = 87+61
VPI EL = 2386.60
V.C. = 0.00

VPI STA = 89+60
VPI EL = 2387.51
V.C. = 0.00

VPI STA = 90+59
VPI EL = 2387.11
V.C. = 0.00

-0.405%

0.457%

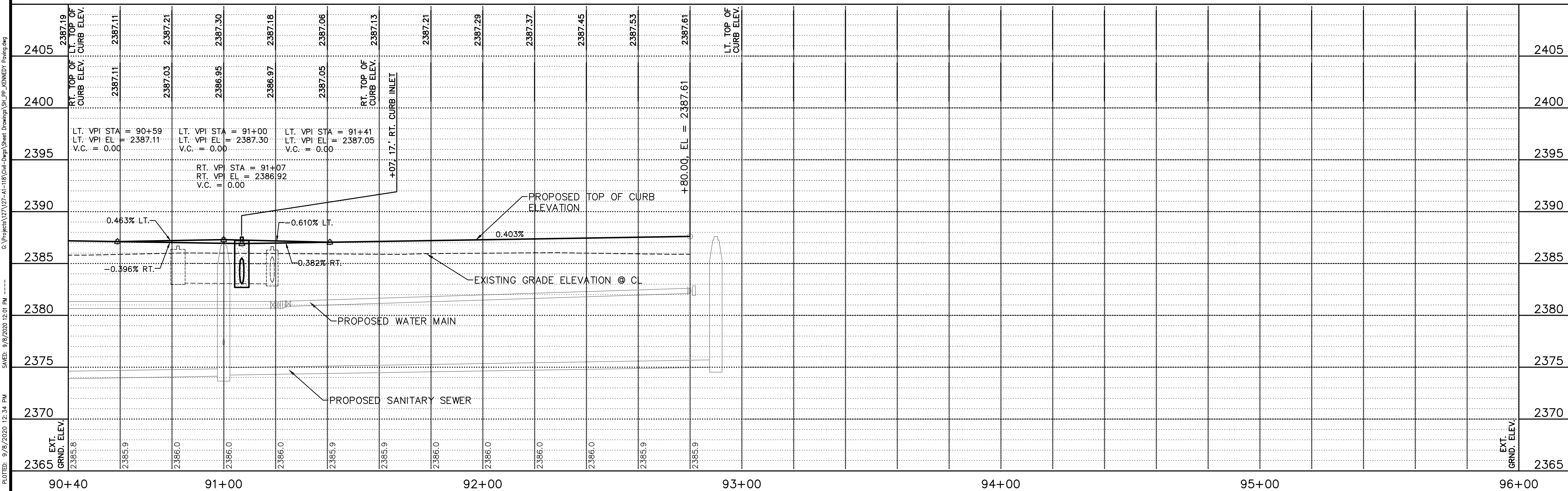
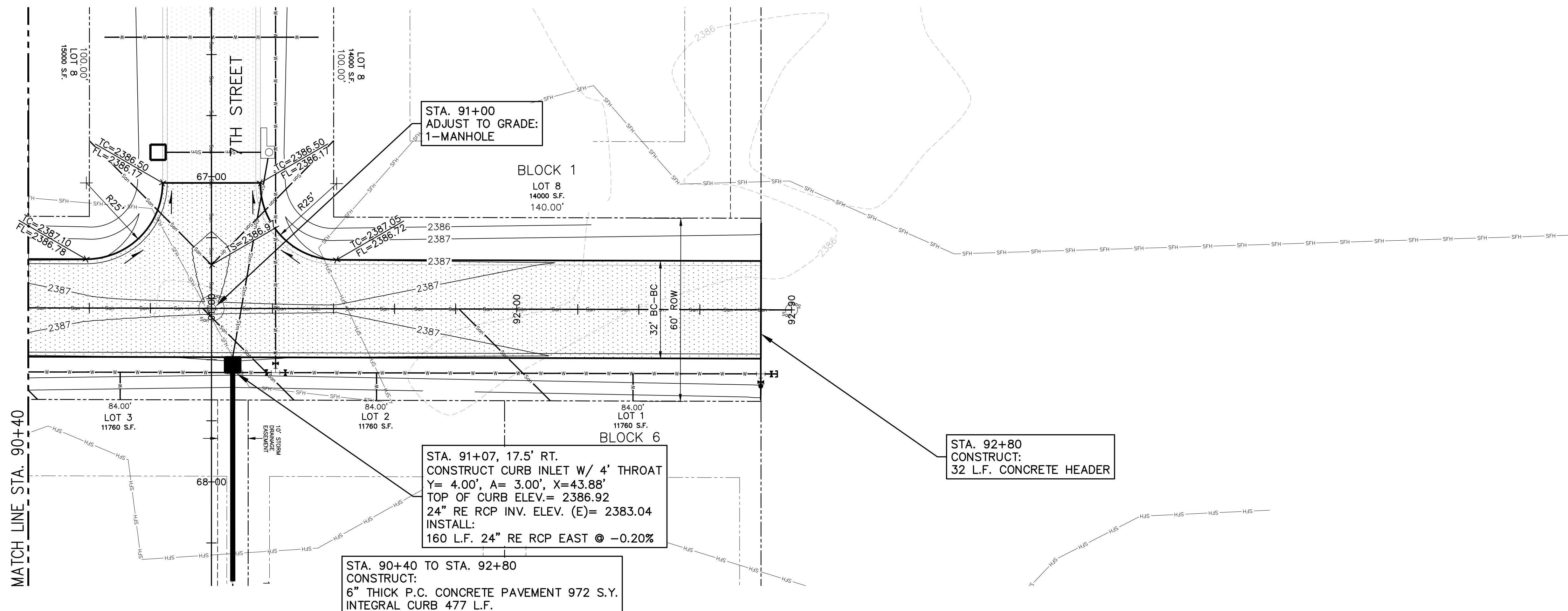
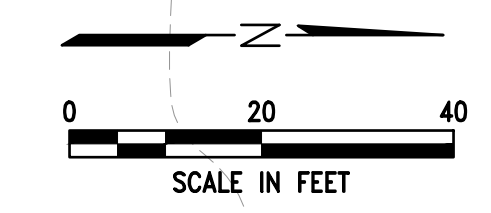
-0.404%

0.483%

+20, CL 6TH ST.

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