YEAR 2 SEWER REHABILITATION PROGRAM
CITY OF LORAIN
UTILITIES DEPARTMENT
2020

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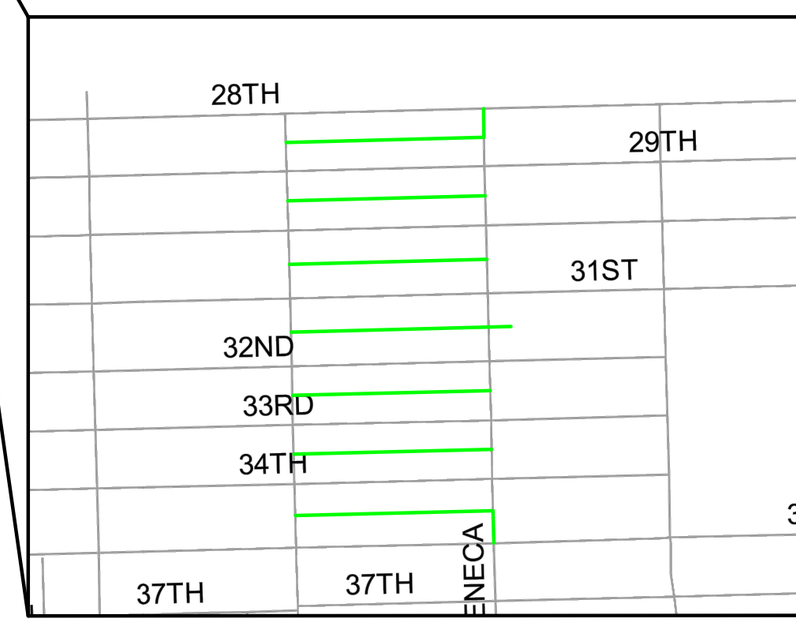
LOCATION MAP
NOT TO SCALE



CITY COUNCIL

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BETH HENLEY
ROB MCFARLAND
PAM CARTER
GREG ARGENTI
JOANNE MOON
REY CARRION
CORY SHAWVER
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MARY SPRINGOWSKI
MITCH FALLIS
NANCY GREER, CLERK OF COUNCIL

STATE OF OHIO
VERONICA A. NEWSOME
E-83417
REGISTERED
PROFESSIONAL ENGINEER

VERONICA A NEWSOME, P.E. OHIO REG. No. 83417

OHIO811.org
Before You Dig

PROJECT DESCRIPTION:
CURED IN PLACE LINING OF SANITARY SEWERS IN THE CITY OF LORAIN INCLUDING REINSTATING LATERALS, LATERAL LINING, AND MANHOLE SEALING/REHABILITATION.

REVISIONS			
DATE	DESCRIPTION	BY
08/15/20	ISSUED DRAWINGS	VAN

DATE: AUG. 15, 2020
DRAWN BY: VAN
CH'D BY: JSP & GS

CITY OF LORAIN
ENGINEERING DEPARTMENT
200 WEST ERIE AVENUE
4TH FLOOR
LORAIN, OH 44052
PHONE: (440) 204-2003
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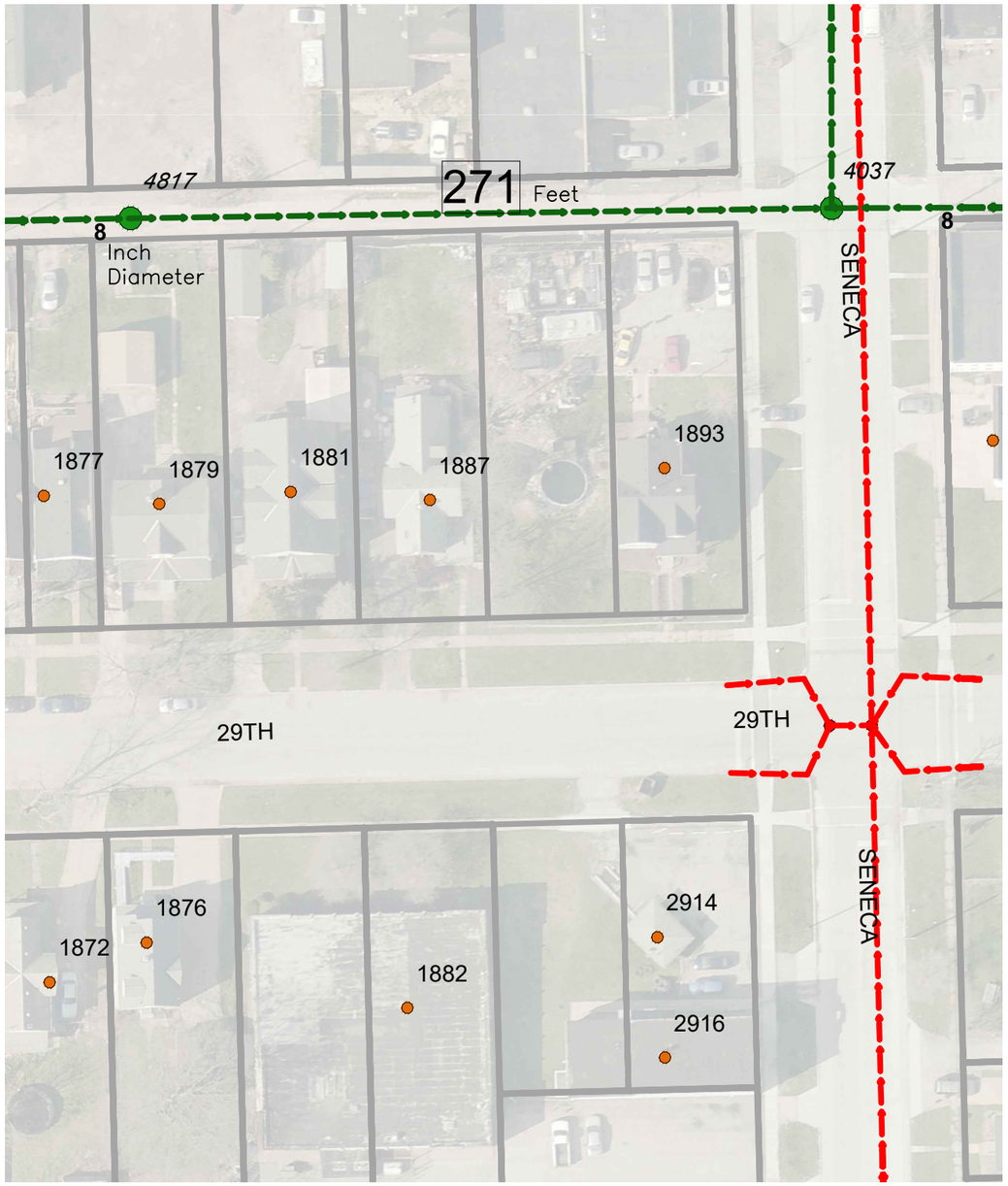
TITLE SHEET

SANITARY SEWER RELINING
UTILITIES PROJECT
2020
CITY OF LORAIN
COUNTY OF LORAIN, STATE OF OHIO

PLAN LEGEND



1893	Home Address #
	Storm Manhole
4031	Sanitary Manhole #
8	Pipe Diameter (in)
341.4	Pipe Length (ft)
	Parcels
	Storm Mains
	Sanitary Mains

GENERAL

THIS CONTRACT SHALL COMPLY WITH THE "CITY OF LORAIN STANDARD DESIGNS". THE STANDARDS CAN BE OBTAINED AT http://www.cityoflorain.org

BEFORE THE OWNER WILL APPROVE AND ACCEPT THE WORK AND RELEASE THE GUARANTY RETAINER, THE CONTRACTOR SHALL FURNISH THE ENGINEER A WRITTEN REPORT INDICATING THE RESOLUTION OF ANY AND ALL PROPERTY DAMAGE CLAIMS FILED WITH THE CONTRACTOR BY ANY PARTY DURING THE CONSTRUCTION PERIOD. THE INFORMATION TO BE SUPPLIED SHALL INCLUDE, BUT NOT LIMITED TO, NAME OF CLAIMANT, DATE FILED WITH CONTRACTOR, NAME OF INSURANCE COMPANY AND/OR ADJUSTOR HANDLING CLAIM, HOW CLAIM WAS RESOLVED AND IF CLAIM WAS NOT RESOLVED FOR THE FULL AMOUNT, A STATEMENT INDICATING THE REASON FOR SUCH ACTION.

REVISIONS

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GENERAL NOTES & LEGEND

SANITARY SEWER RELINING
UTILITIES PROJECT
2020
CITY OF LORAIN
COUNTY OF LORAIN, STATE OF OHIO

Year 3 - City of Lorain Sewer Relining Program

#	ODOT SPEC	ITEM	UNIT	TOTAL ESTIMATED QUANTITIES
1	833/SPECIAL	CLEANING OF ALL SEWERS LESS THAN 12" IN DIAMETER, COMPLETE AS SPECIFIED	LF	10,926
2	833/SPECIAL	BYPASS, DIVERSION PUMPING, AND FLOW CONTROL INCLUDING CONTAINMENT, BYPASS, FLOW CONTROL AND EMERGENCY RESPONSE PLANS COMPLETE AS SPECIFIED	LUMP	1
3	833/SPECIAL	INFILTRATION MITIGATION BY MEANS OF PRESSURE CHEMICAL GROUT SYSTEM.	PER GALLON	30
4	833/SPECIAL	8" DIAMETER SEWER PIPE (VCP)	LF	10,203
5	833/SPECIAL	10" DIAMETER SEWER PIPE (VCP)	LF	723
6	833/SPECIAL	TELEVISE SEWERS SMALLER THAN 12" IN DIAMETER, COMPLETE AS SPECIFIED (sewers are to be televised while actively flowing, item does not include dewatering, cleaning or bypass pumping)	LF	543
7	833/SPECIAL	TELEVISE SEWERS LARGER THAN 12" IN DIAMETER, COMPLETE AS SPECIFIED (sewers are to be televised while actively flowing, item does not include dewatering, cleaning or bypass pumping)	LF	2,128
8	833/SPECIAL	REINSTATE LATERALS: SHALL INCLUDE, MOBILIZATION, DETERMINE WHICH LATERALS ARE ACTIVE, REINSTATE ALL ACTIVE LATERALS, COMPLETE	EA	300
9	833/SPECIAL	LATERAL LINER INSTALLATION: WHEN DIRECTED, INSTALLATION OF 5 LINEAR FEET OF CIPP LINER IN LATERAL AT THE CONNECTION WITH THE SEWER MAIN PIPE INCLUDING CCTV AS NEEDED, COMPLETE	EA	5
10	833/SPECIAL	TOP-HAT INSTALLATION: WHEN DIRECTED, INSTALLATION 18-INCH LONG TOP HAT SERVICE CONNECTION SEAL AT INTERFACE BETWEEN SERVICE LATERAL AND SEWER MAIN PIPE INCLUDING CCTV AS NEEDED, COMPLETE AS SPECIFIED	EA	45
11	833/SPECIAL	LATERAL LINING UNIT PRICE: LINING BEYOND 5 LF IN 6" SERVICE LATERALS AS DIRECTED BY THE OWNER, COMPLETE	LF	100
12	833/SPECIAL	MANHOLE LINING: SHALL INCLUDE MOBILIZATION, ALL PREPARATORY CLEANING AND REPAIR, GROUTING AS NEEDED AND THE INSTALLATION OF FULL DEPTH (FROM CASTING TO BENCH) CEMENT TYPE LINING PER ASTM AND MANUFACTURER REQUIREMENTS BY A MANUFACTURER CERTIFIED INSTALLER, COMPLETE AS SPECIFIED	VERTICAL FEET	600
13	833/SPECIAL	REPAIR BRICK MANHOLE - INTERNAL WALLS: SHALL INCLUDE REMOVAL AND REPLACEMENT OF BRICK(S) WITH MORTAR FROM INSIDE MANHOLE AS DIRECTED, COMPLETE AS SPECIFIED.	SF	100
14	833/SPECIAL	REMOVE AND REBUILD MANHOLE TO GRADE: ITEM SHALL INCLUDE EXCAVATION, REMOVAL OF BRICK COURSES TO THE DIRECTED DEPTH, BACKFILL, AND COMPACTIONS, COMPLETE AS SPECIFIED.	SF	125
15	833/SPECIAL	PAVEMENT REMOVAL AND RESTORATION: ITEM SHALL INCLUDE SAW CUTTING AND REMOVAL OF EXISTING PAVEMENT AND PAVEMENT RESTORATION COMPLETE AS SPECIFIED.	SY	6
16	833/SPECIAL	FURNISH AND INSTALL MANHOLE FRAME AND COVER, COMPLETE AS SPECIFIED.	EA	5
17	833/SPECIAL	SPECIFIC ALLOWANCE - BASEMENT CLEANING, COMPLETE AS SPECIFIED	Allowance	$ 30,000.00
18	833/SPECIAL	SPECIFIC ALLOWANCE - REMOVAL OF MAJOR SEWER BLOCKAGES, COMPLETE AS SPECIFIED	Allowance	$ 10,000.00

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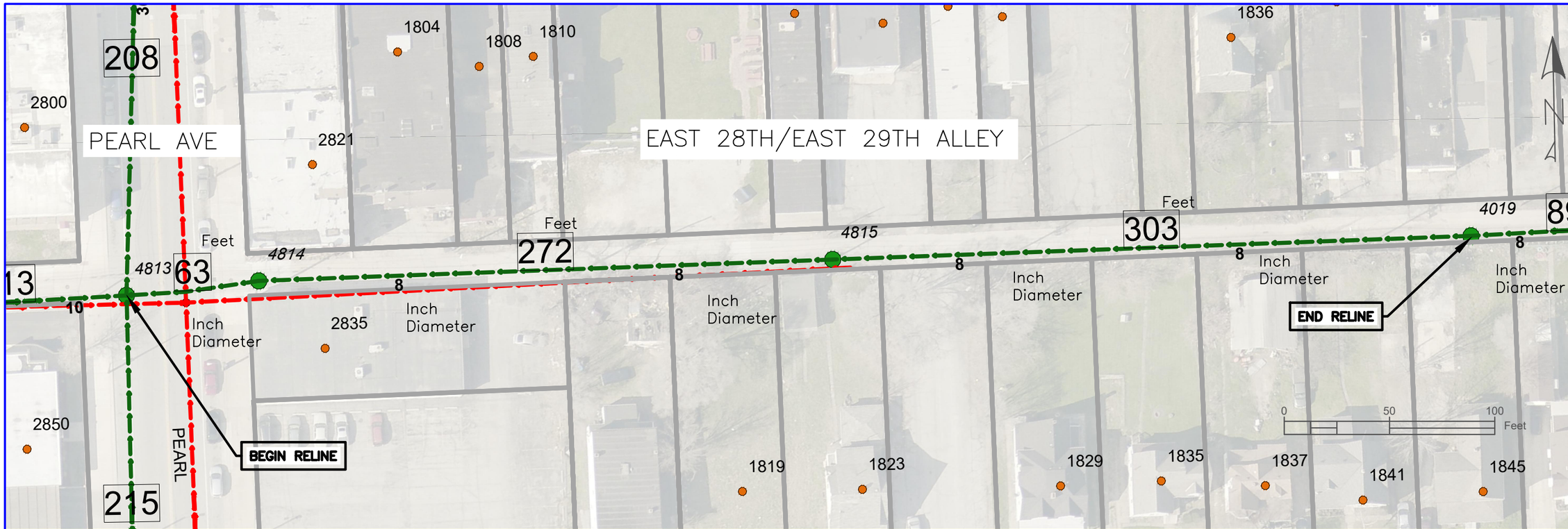
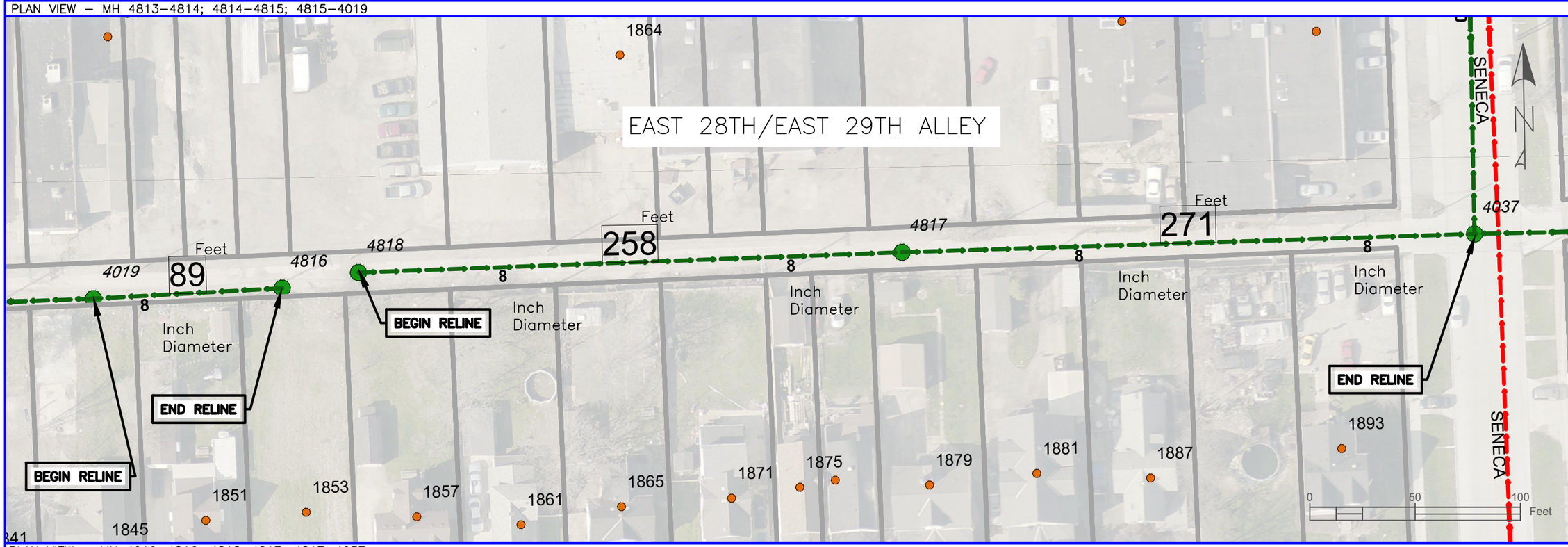
GENERAL SUMMARY

SANITARY SEWER RELINING UTILITIES PROJECT
2020
CITY OF LORAIN
COUNTY OF LORAIN, STATE OF OHIO



PLAN VIEW – MH 4813–4814; 4814–4815; 4815–4019



PLAN VIEW – MH 4019–4816; 4818–4817; 4817–4037

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ALLEY E.29TH/E.28TH ST – PEARL TO SENECA

SANITARY SEWER RELINING UTILITIES PROJECT
2020
CITY OF LORAIN
COUNTY OF LORAIN, STATE OF OHIO

PLAN VIEW – MH 4037–4039

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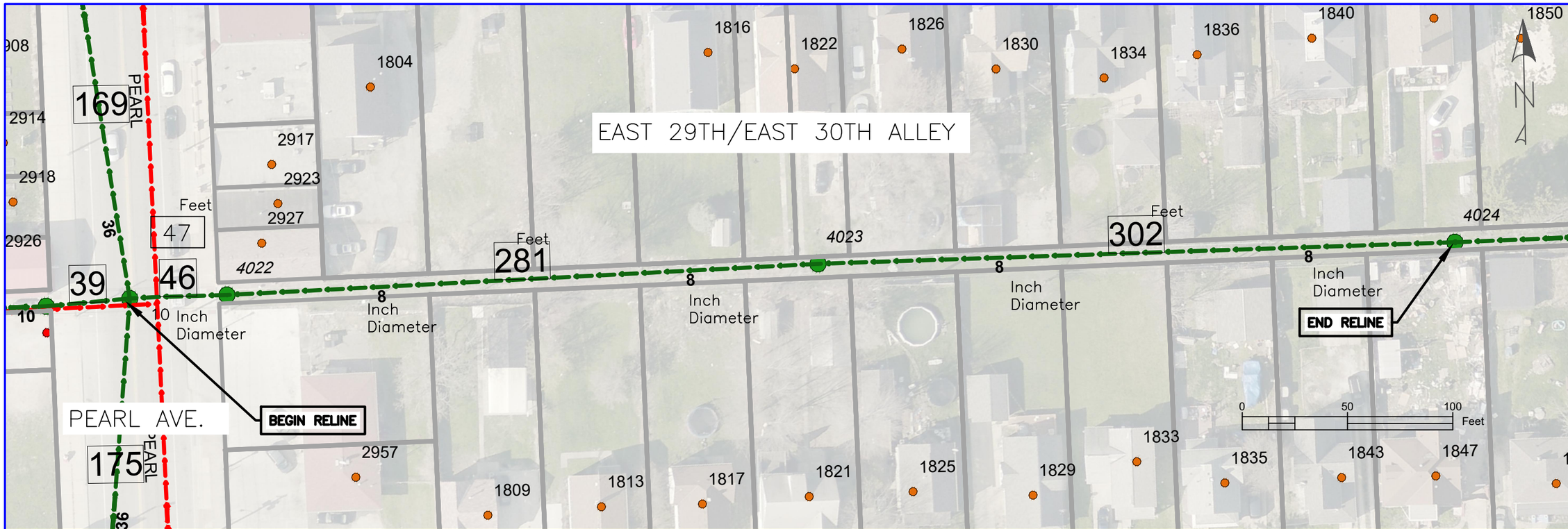
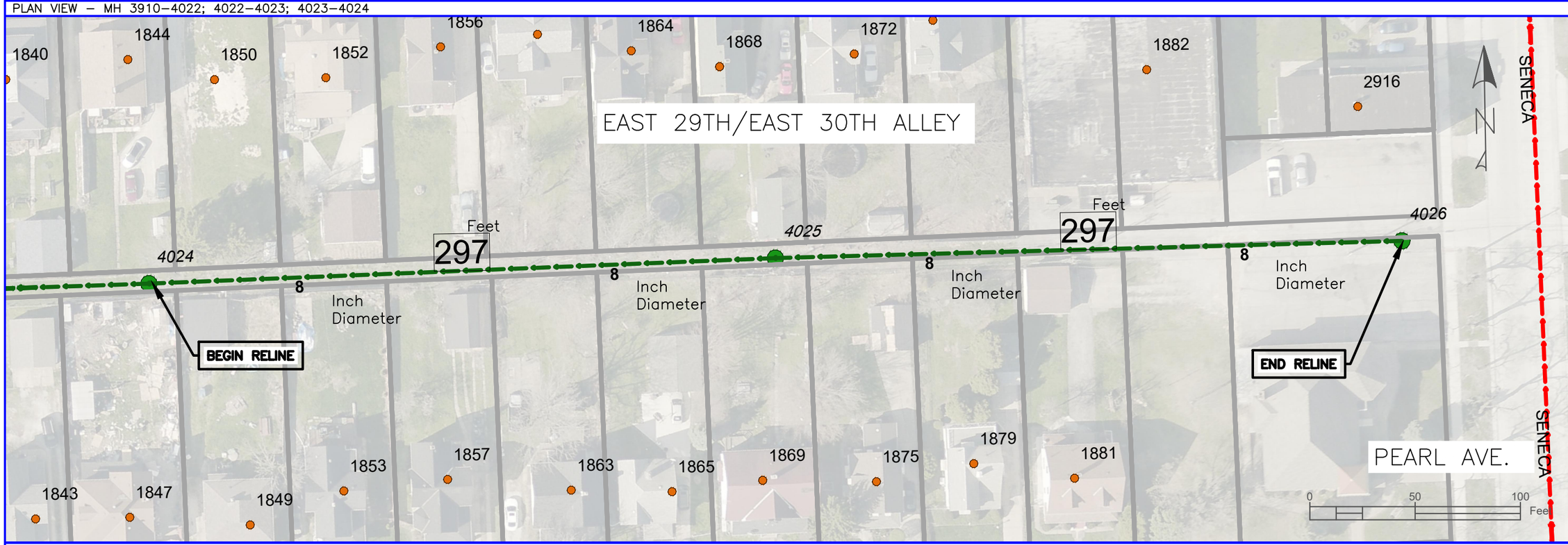
SENECA AVE –
ALLEY TO E. 28TH ST

SANITARY SEWER RELINING
UTILITIES PROJECT
2020
CITY OF LORAIN
COUNTY OF LORAIN, STATE OF OHIO



PLAN VIEW – MH 3910–4022; 4022–4023; 4023–4024



PLAN VIEW – MH 4024–2025; 4025–4026

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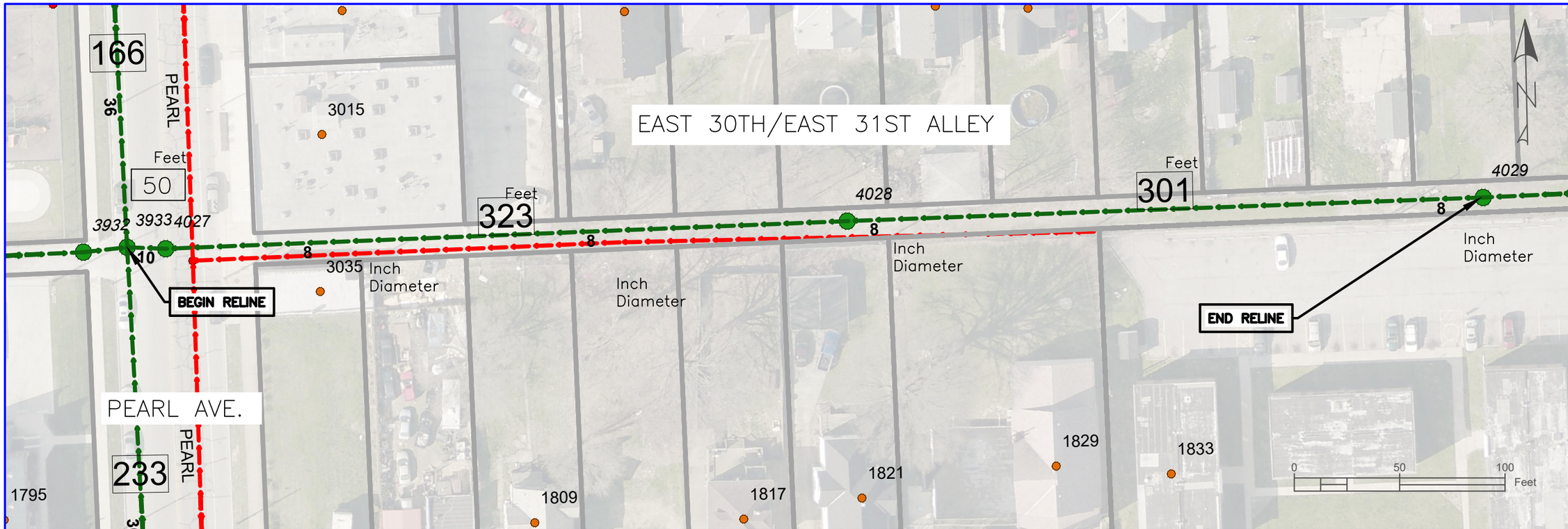
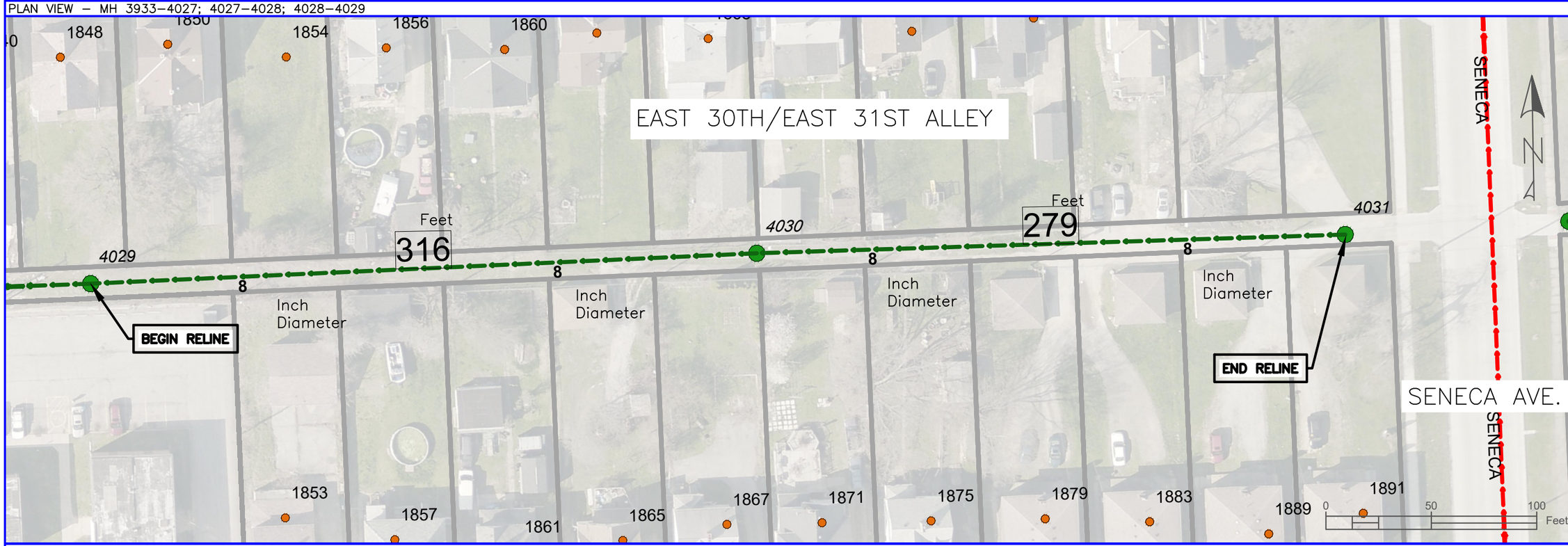
ALLEY E.30TH/E.29TH – PEARL TO SENECA

SANITARY SEWER RELINING UTILITIES PROJECTS
2020
CITY OF LORAIN
COUNTY OF LORAIN, STATE OF OHIO



PLAN VIEW – MH 3933–4027; 4027–4028; 4028–4029



PLAN VIEW – MH 4029–4030; 4030–4031

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DATE: AUG. 15, 2020
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ALLEY E.31ST/E.30TH ST – PEARL TO SENECA

SANITARY SEWER RELINING UTILITIES PROJECT
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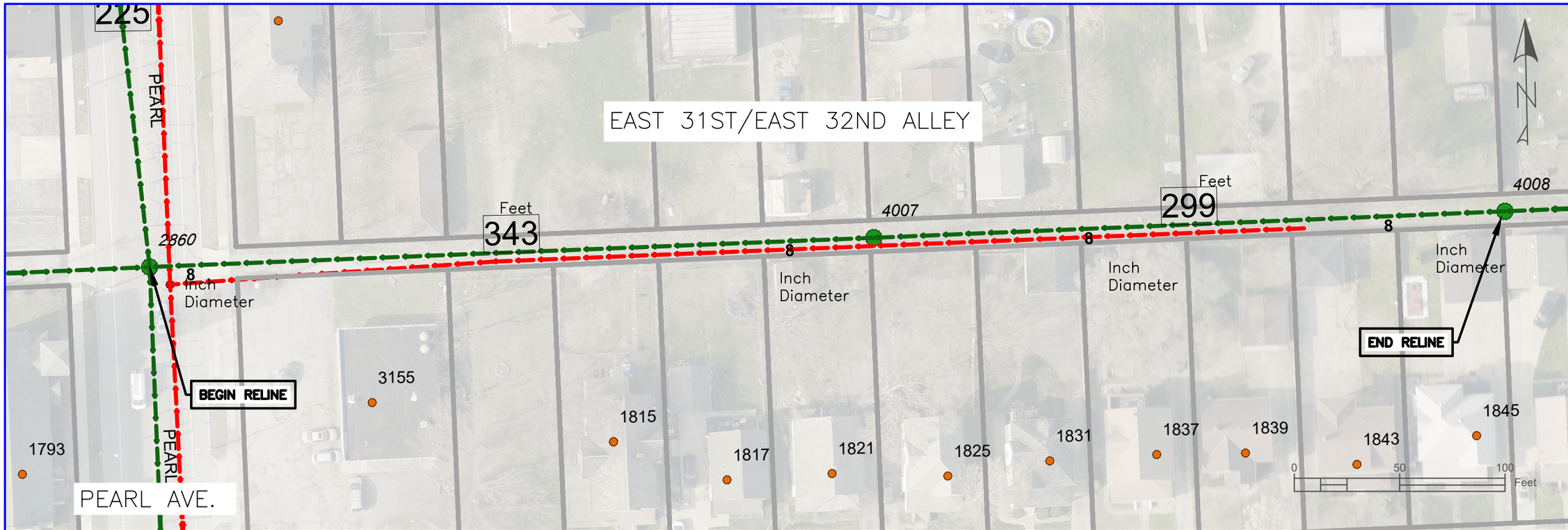
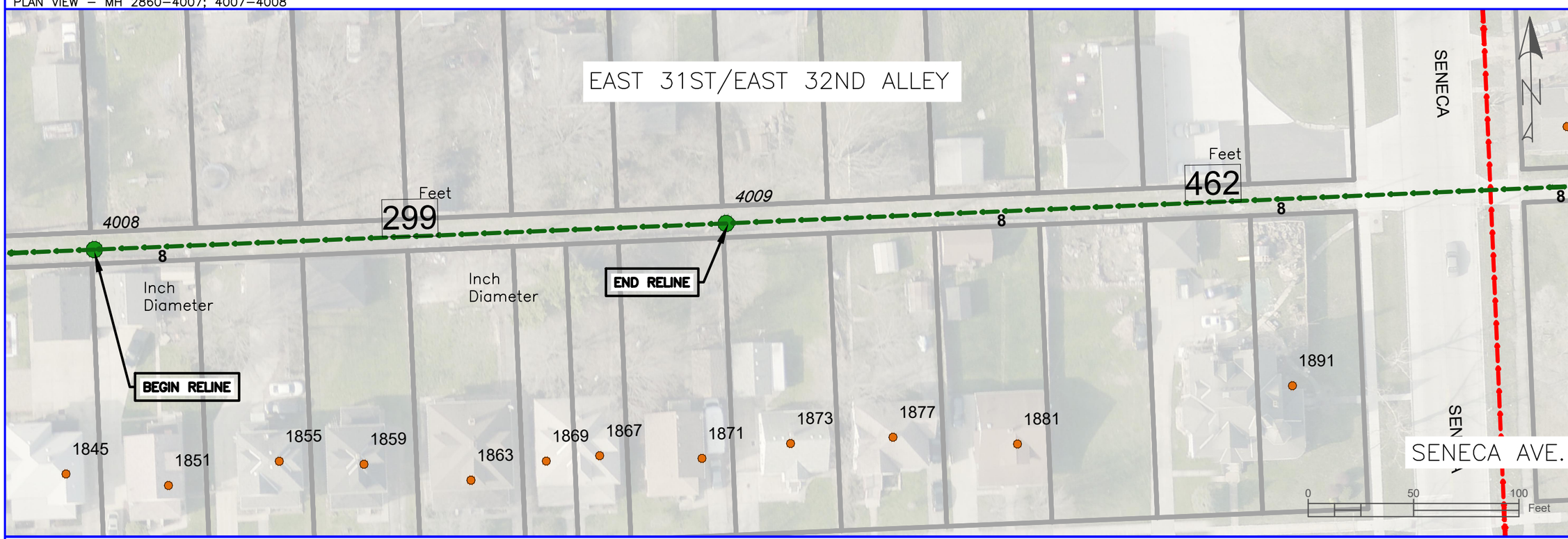
CITY OF LORAIN
COUNTY OF LORAIN, STATE OF OHIO



PLAN VIEW – MH 2860–4007; 4007–4008



PLAN VIEW – MH 4008–4009

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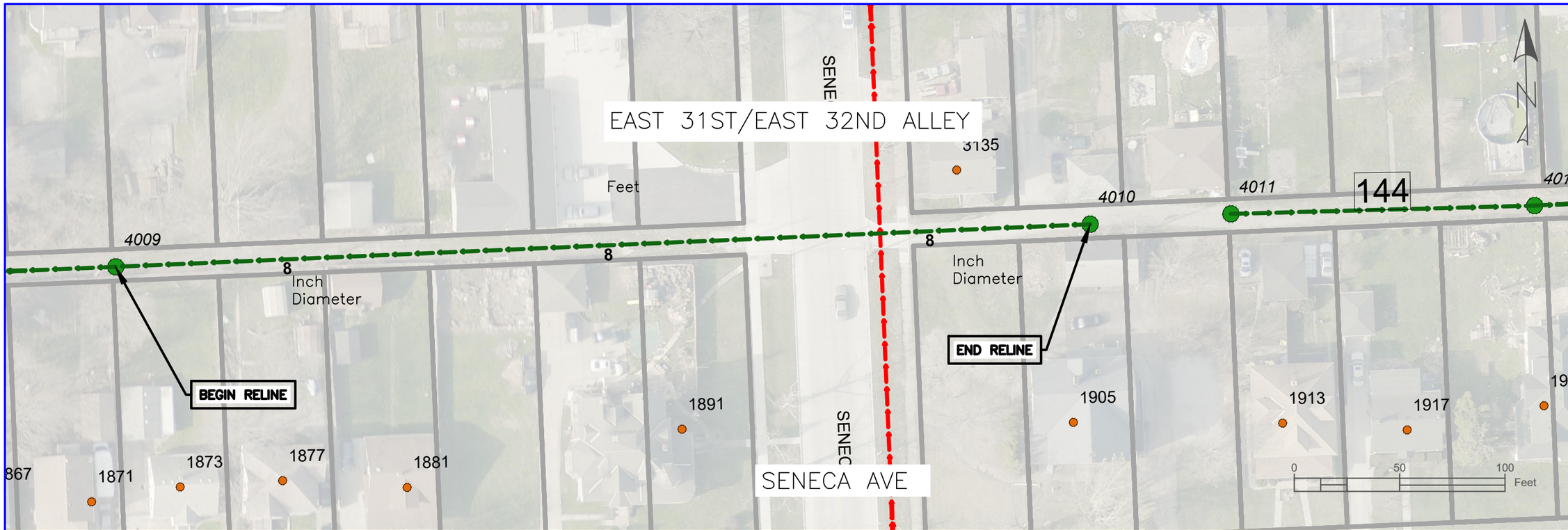
ALLEY E.32ND/E.31ST ST – PEARL TO SENECA

SANITARY SEWER RELINING UTILITIES PROJECT

2020

CITY OF LORAIN
COUNTY OF LORAIN, STATE OF OHIO



PLAN VIEW – MH 4009–4010

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ALLEY E.32ND/E.31ST ST – PEARL TO SENECA

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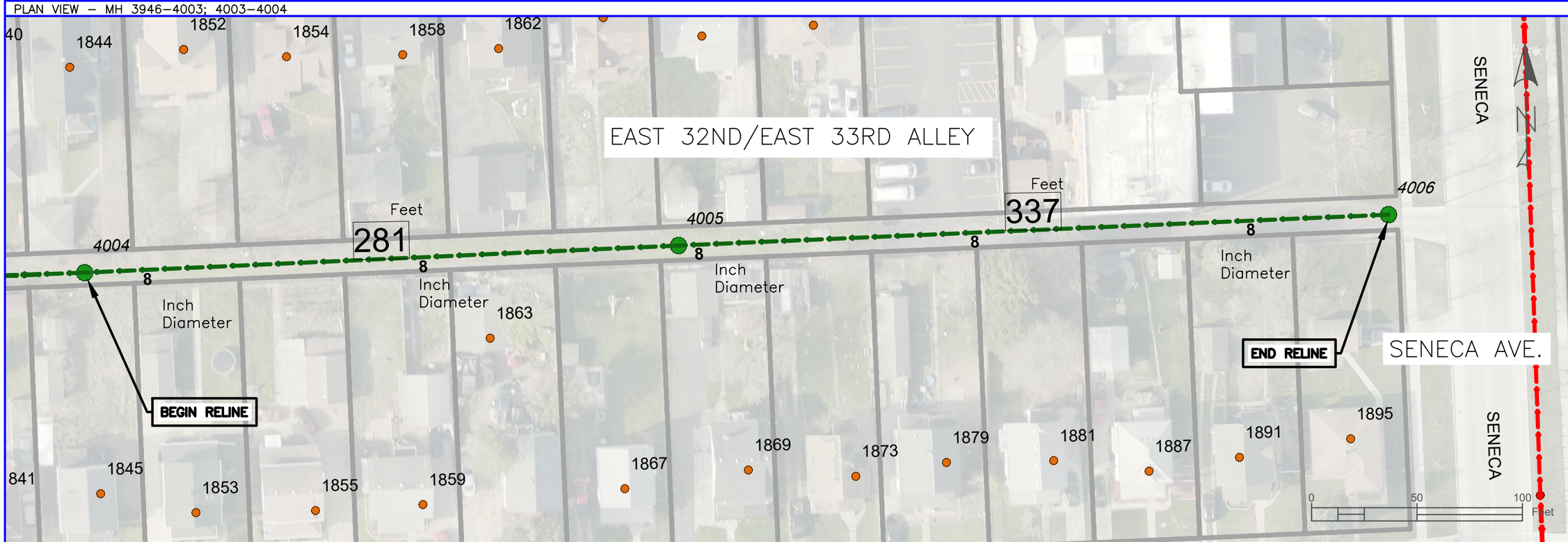
CITY OF LORAIN
COUNTY OF LORAIN, STATE OF OHIO

PLAN VIEW – MH 3946–4003; 4003–4004



PLAN VIEW – MH 4004–4005; 4005–4006

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ALLEY E.33RD/E.32ND ST – PEARL TO SENECA

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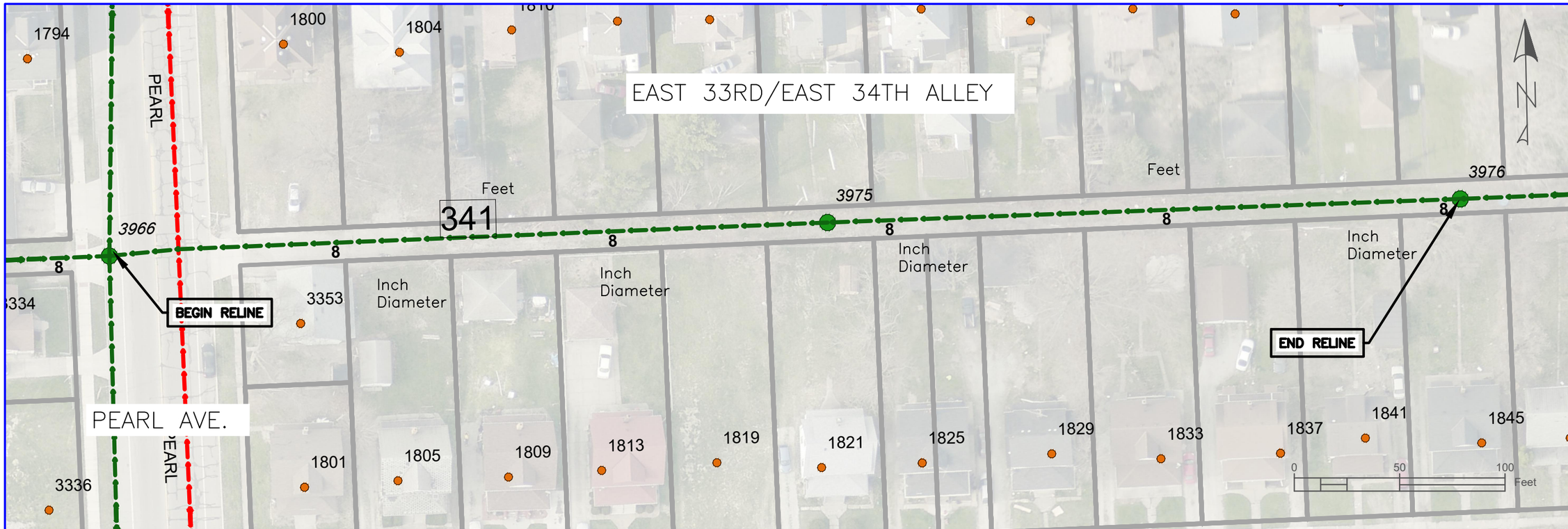

PLAN VIEW – MH 3966–3975; 3975–3976

PLAN VIEW – MH 3976–3977; 3977–3978

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ALLEY E.34TH/E.33RD ST – PEARL TO SENECA

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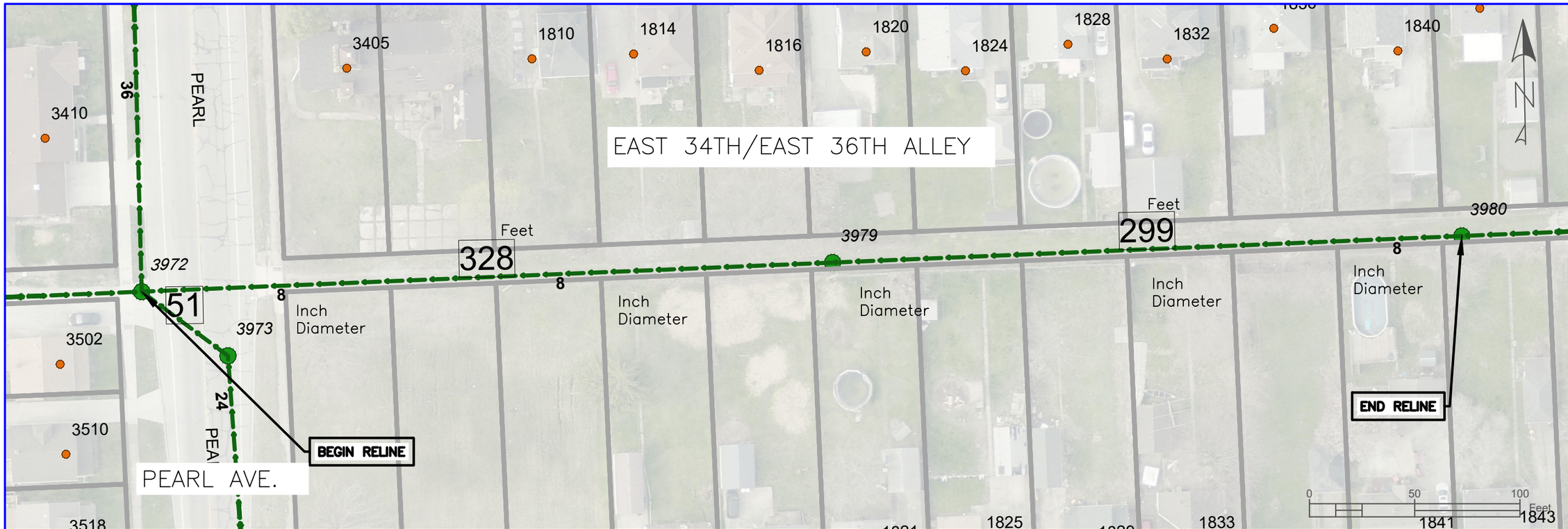

PLAN VIEW – MH 3972–3979; 3979–3980

PLAN VIEW – MH 3980–3981; 3981–3982

REVISIONS			
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ALLEY E.36TH/E.34TH ST – PEARL TO SENECA

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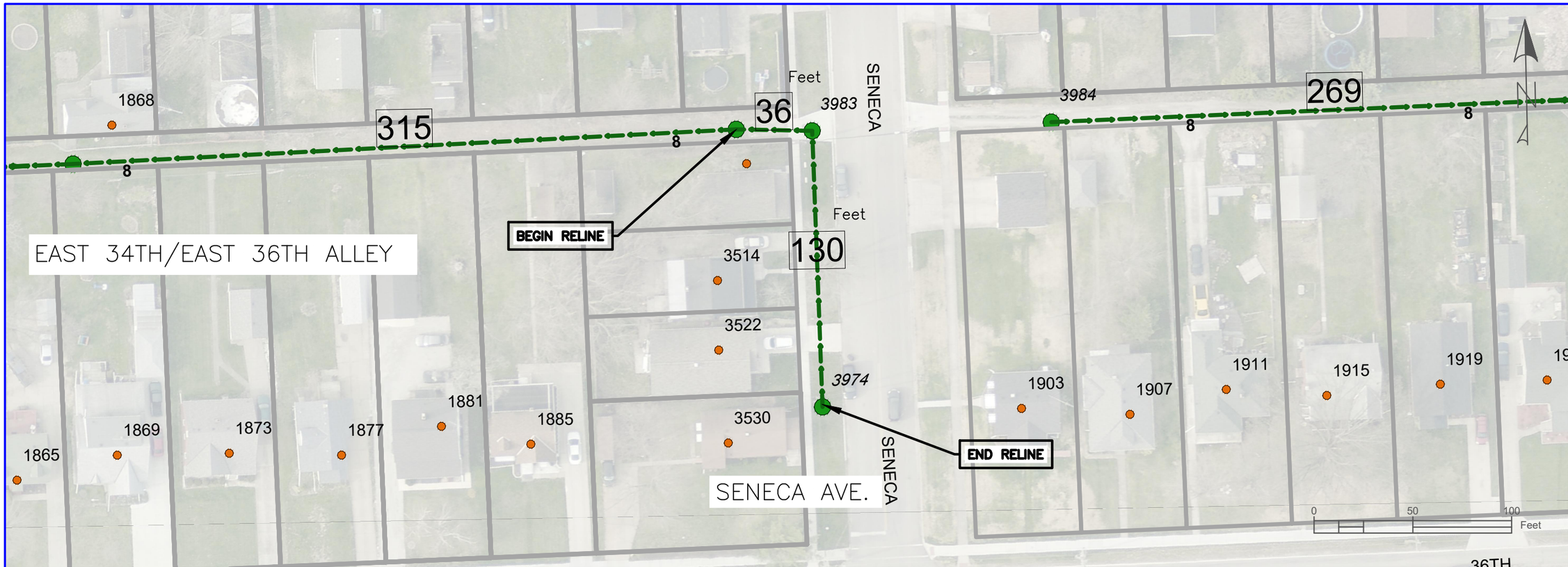
COUNTY OF LORAIN, STATE OF OHIO



PLAN VIEW – MH 3982–3983; 3983–3974

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SENECA AVE. – ALLEY TO SOUTH

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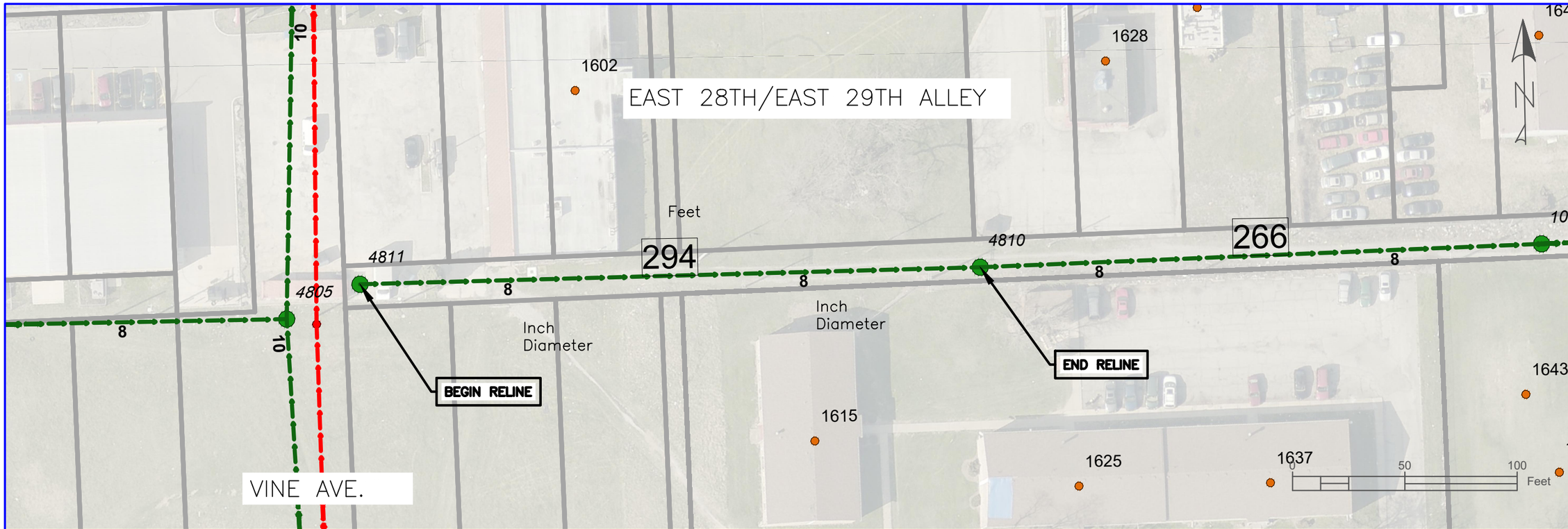
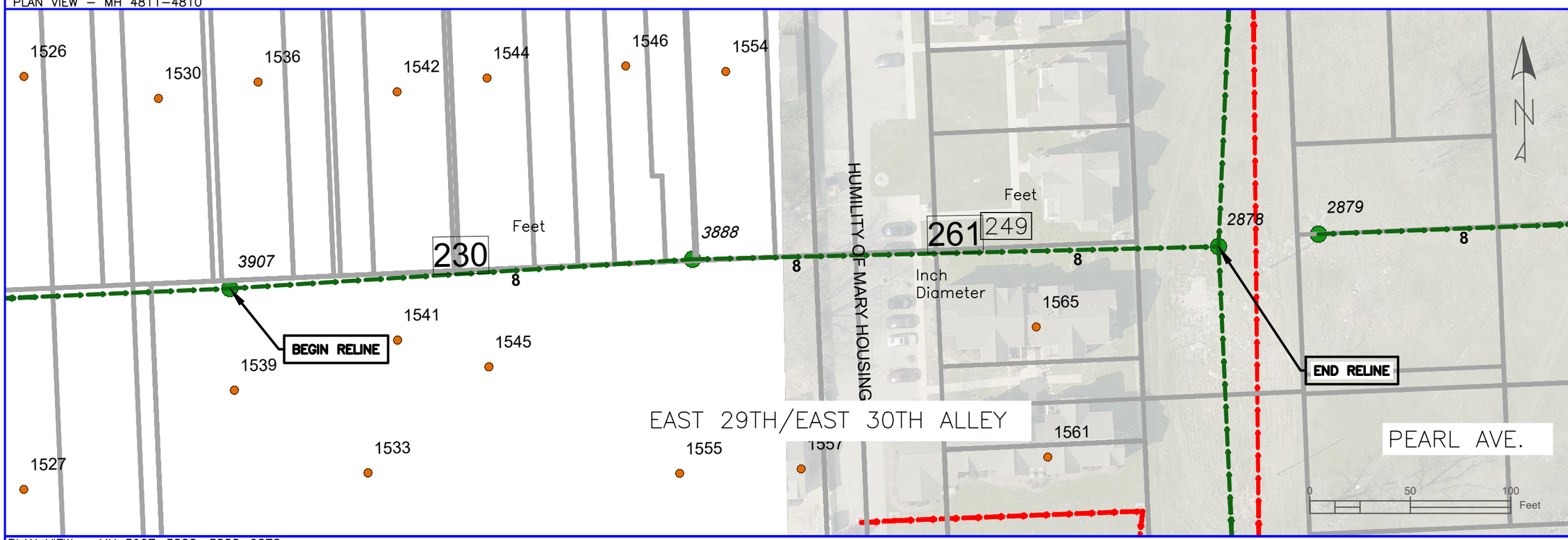


PLAN VIEW – MH 4811–4810



PLAN VIEW – MH 3907–3888; 3888–2878

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ALLEY E.28TH/E.29TH ST – VINE TO GLOBE
ALLEY E. 29TH/E.30TH ST – WOOD TO VINE

SANITARY SEWER RELINING UTILITIES PROJECT

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CITY OF LORAIN
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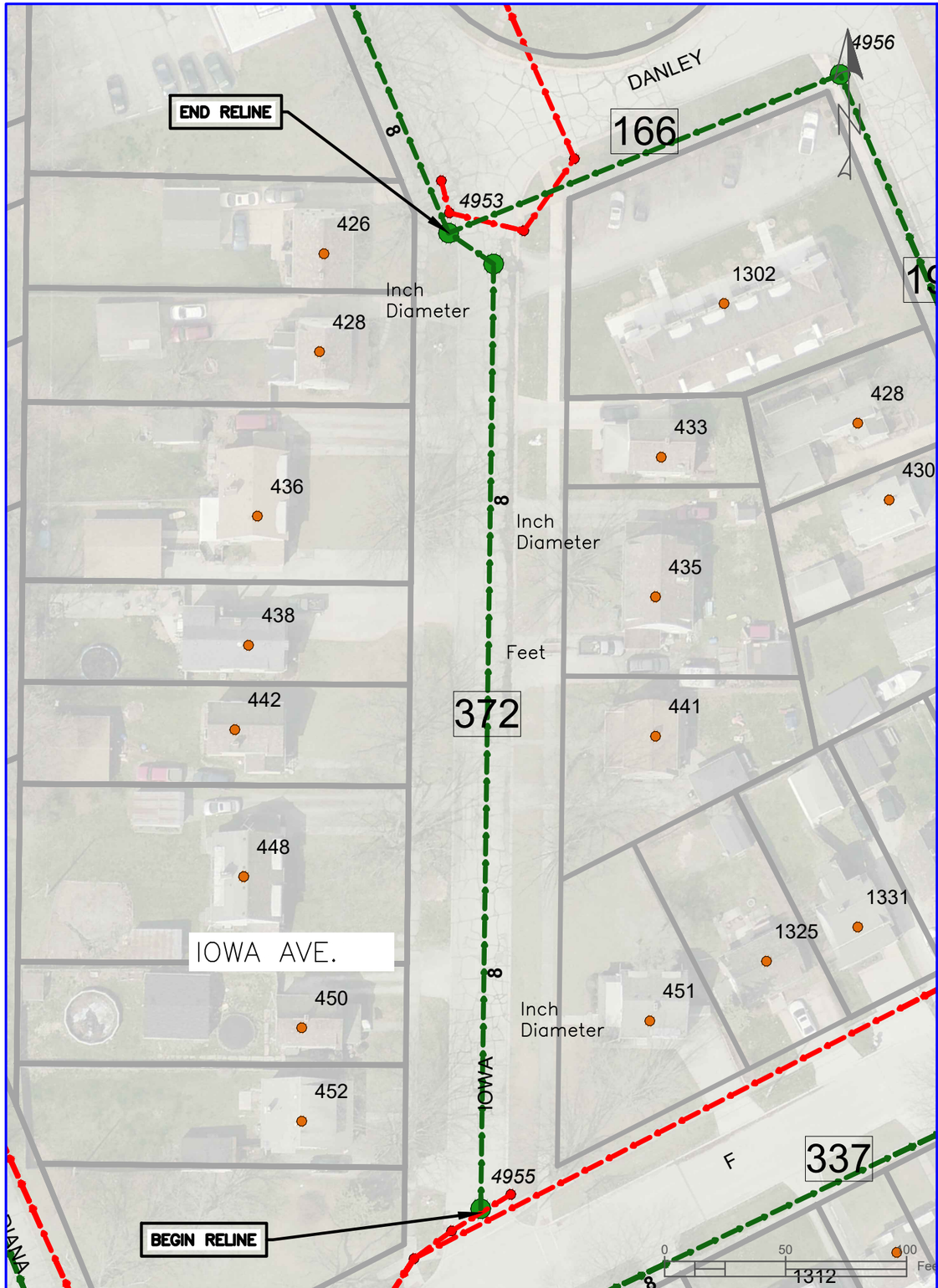
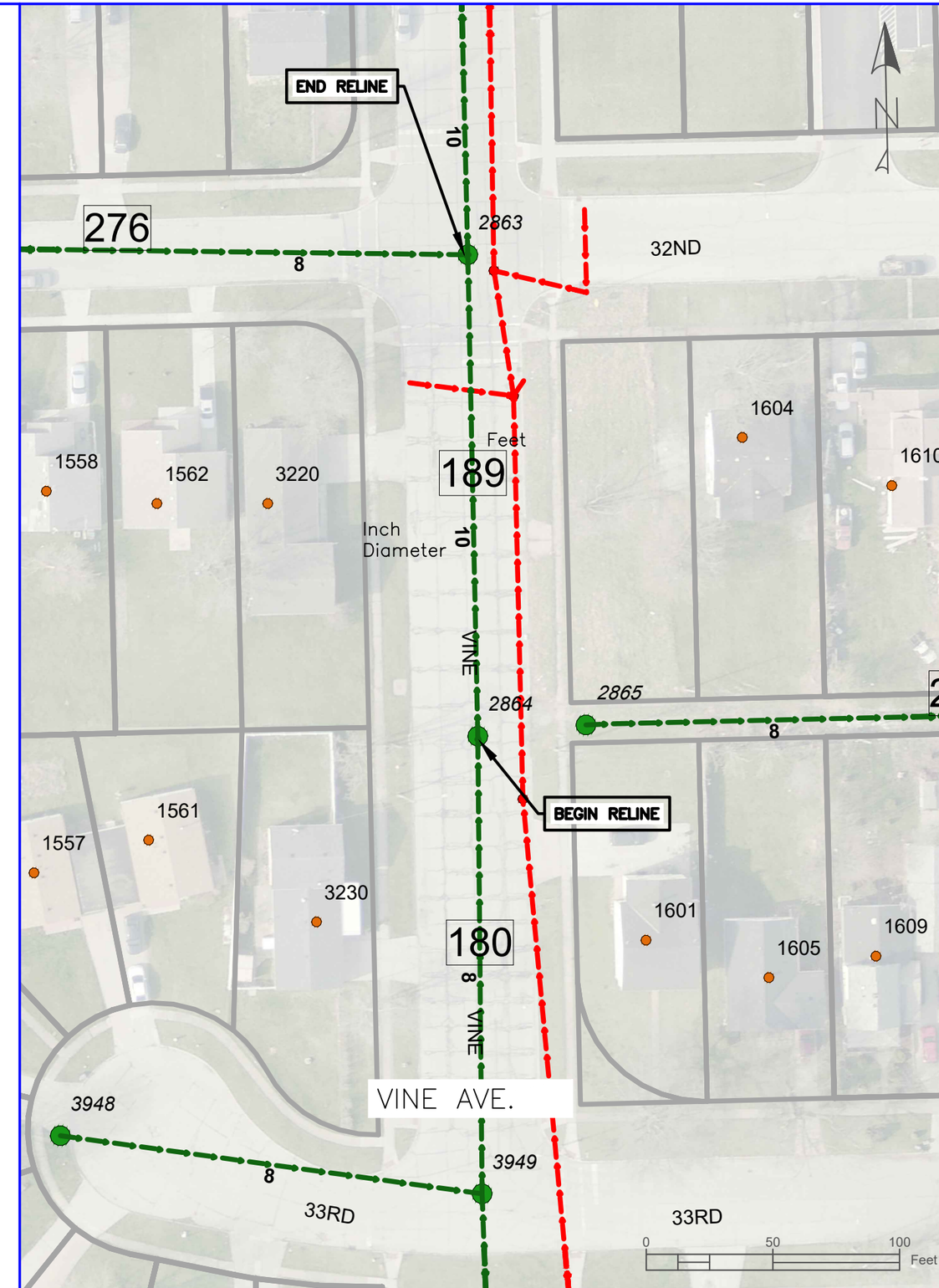


PLAN VIEW – MH 4955–4954; 4954–4953



PLAN VIEW – MH 2864–2863

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IOWA AVE. – F ST. TO S. DANLEY SQUARE
VINE AVE – ALLEY TO E. 32ND ST.

SANITARY SEWER RELINING UTILITIES PROJECT

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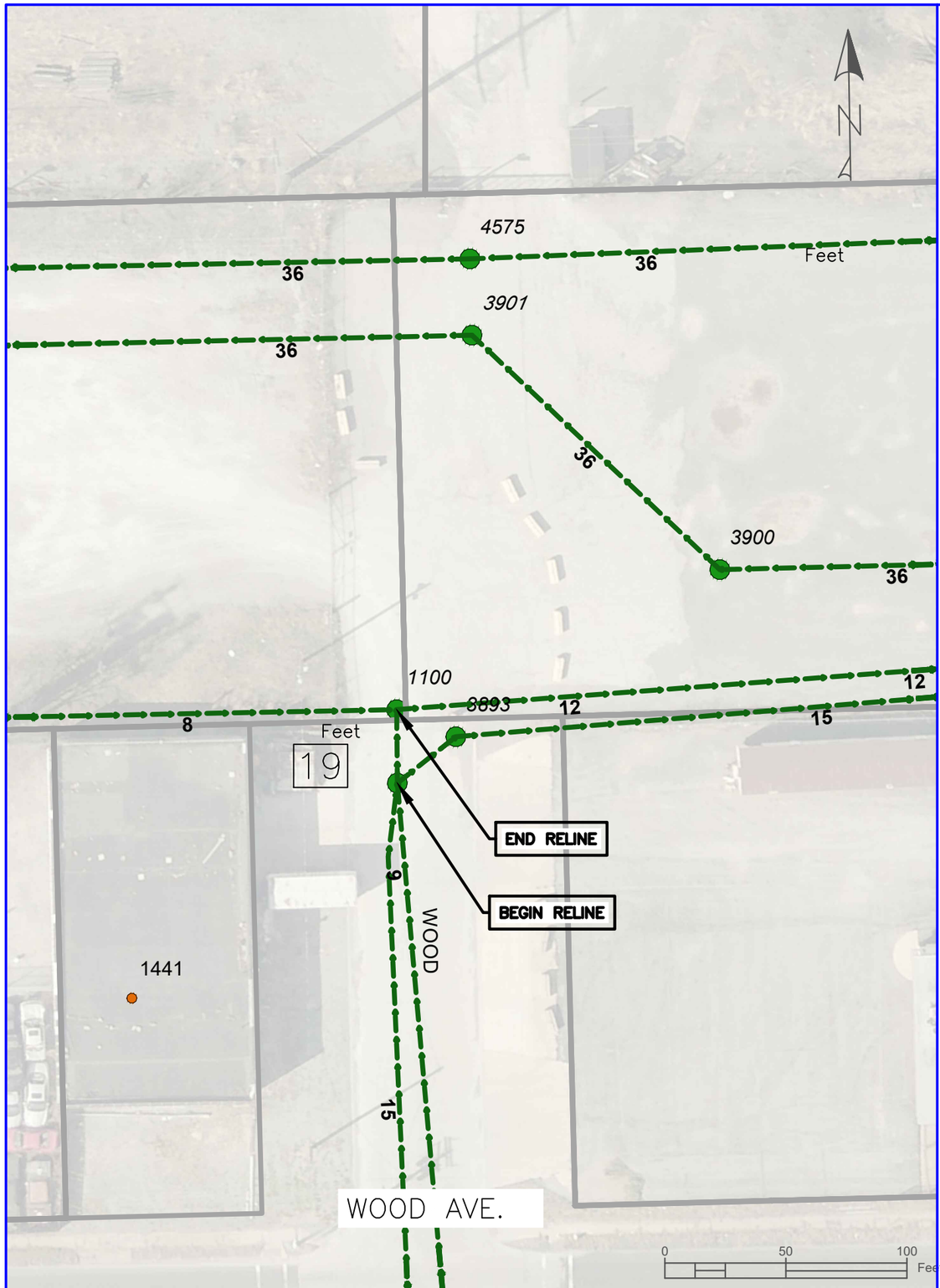
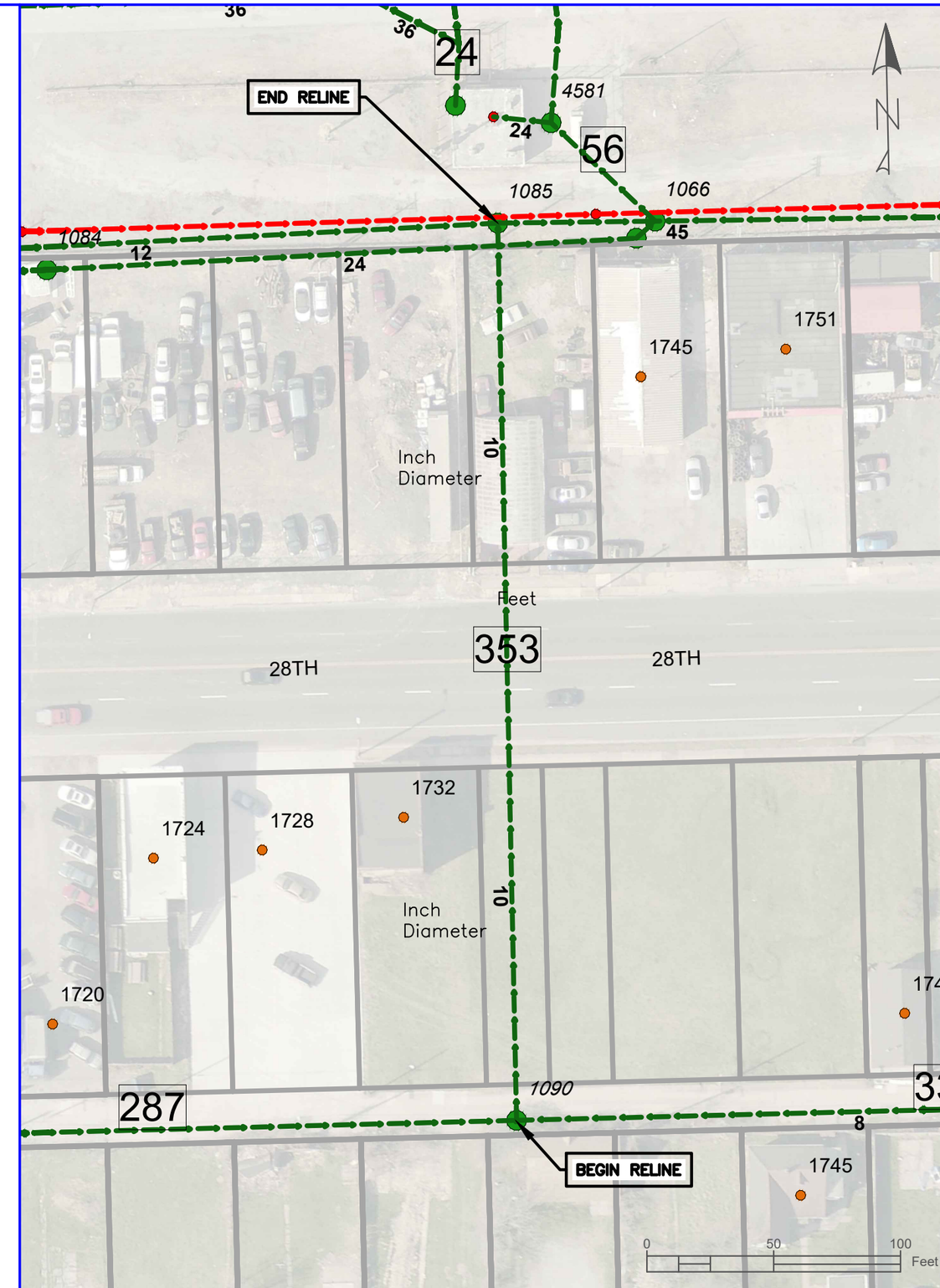
CITY OF LORAIN
COUNTY OF LORAIN, STATE OF OHIO



PLAN VIEW – MH 3894–1100



PLAN VIEW – MH 1090–1085

DATE	DESCRIPTION	BY
08/15/20	ISSUED DRAWINGS	VAN

REVISIONS

DATE: AUG. 15, 2020
DRAWN BY: VAN
CH'D BY: JSP & GS

CITY OF LORAIN
ENGINEERING DEPARTMENT
200 WEST ERIE AVENUE
4TH FLOOR
LORAIN, OH 44052
PHONE: (440) 204-2003
FAX: (440) 204-2522

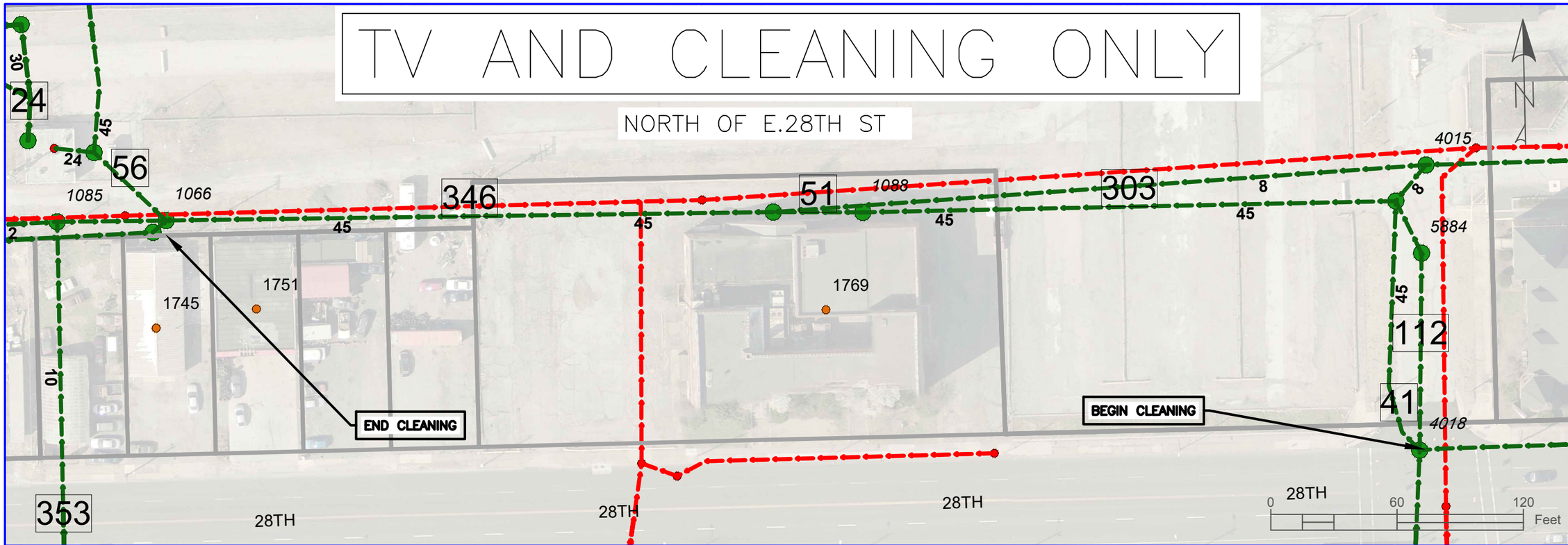
WOOD AVE. – E. 28TH ST. NORTH
ALLEY E. 28TH ST./E 29TH ST. NORTH

SANITARY SEWER RELINING UTILITIES PROJECT

2020
CITY OF LORAIN
COUNTY OF LORAIN, STATE OF OHIO

TV AND CLEANING ONLY

NORTH OF E.28TH ST



PLAN VIEW – MH 4018–1087; 4018–5884; 5884–1087;1087–1088; 1088–4017; 4017–1066; 4015–1087; 4015–4017

DATE	DESCRIPTION	BY
08/15/20	ISSUED DRAWINGS	VAN

REVISIONS

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4TH FLOOR
LORAIN, OH 44052
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FAX: (440) 204–2522

AREA NORTH OF EAST 28TH ST.
BETWEEN GLOBE AND PEARL

SANITARY SEWER RELINING
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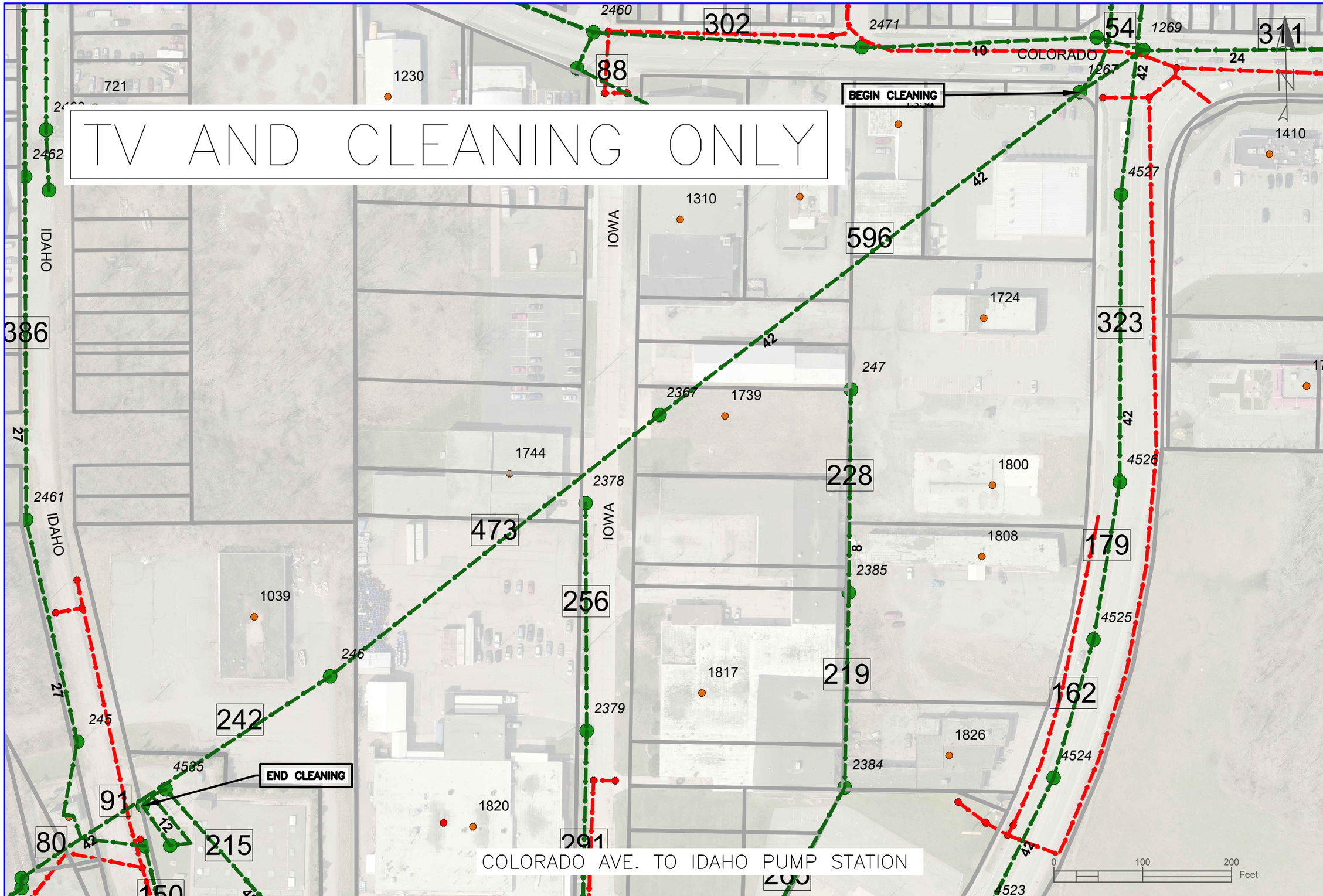
2020
CITY OF LORAIN
COUNTY OF LORAIN, STATE OF OHIO



COLORADO AVE. TO IDAHO PUMP STATION

PLAN VIEW – MH 1267–2367; 2367–246; 246–RETENTION BASIN CHAMBER; RETENTION BASIN CHAMBER–PUMP STATION INFLUENT CHAMBER

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MANHOLE AT SOUTHWEST CORNER OF HENDERSON AND COLORADO TO IDAHO PUMP STATION

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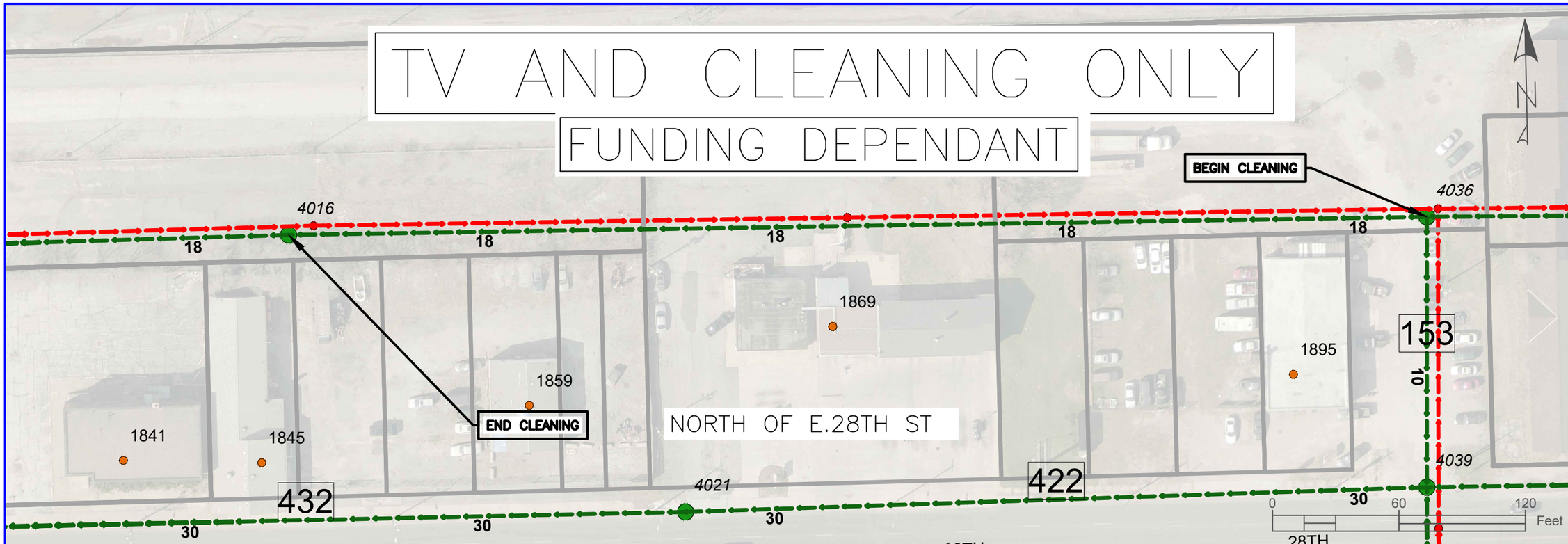
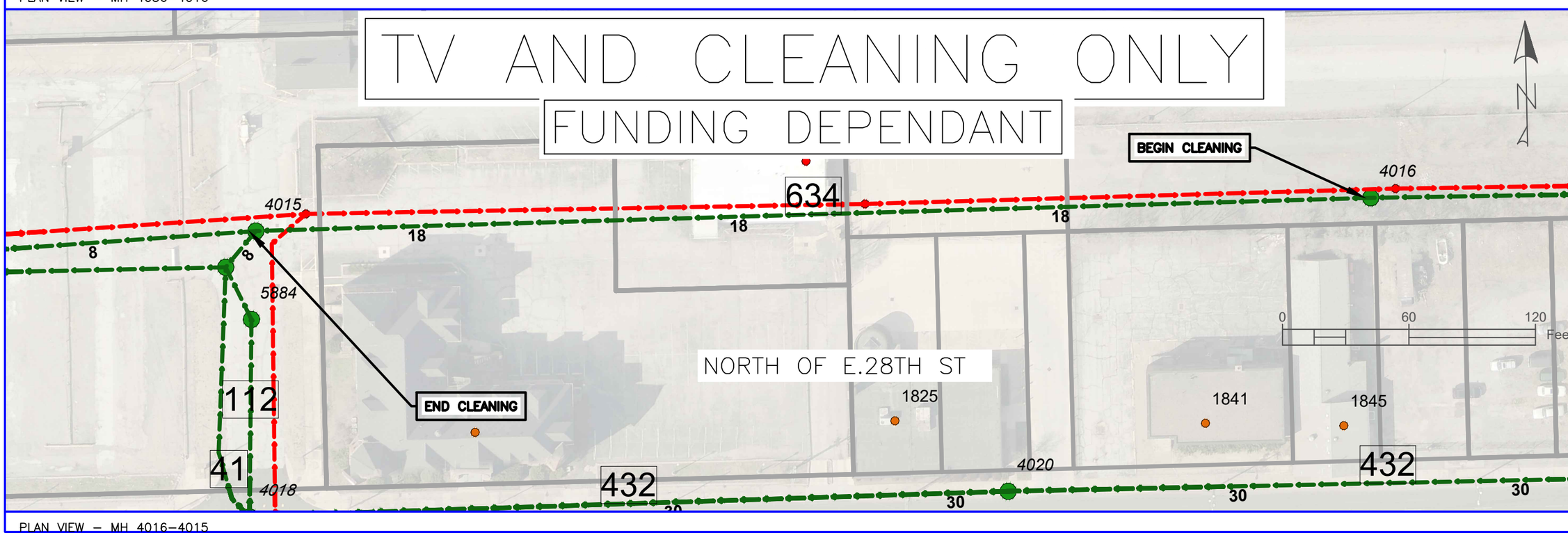
COUNTY OF LORAIN, STATE OF OHIO



PLAN VIEW – MH 4036–4016



PLAN VIEW – MH 4016–4015

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AREA NORTH OF EAST 28TH ST.
BETWEEN PEARL AND SENECA

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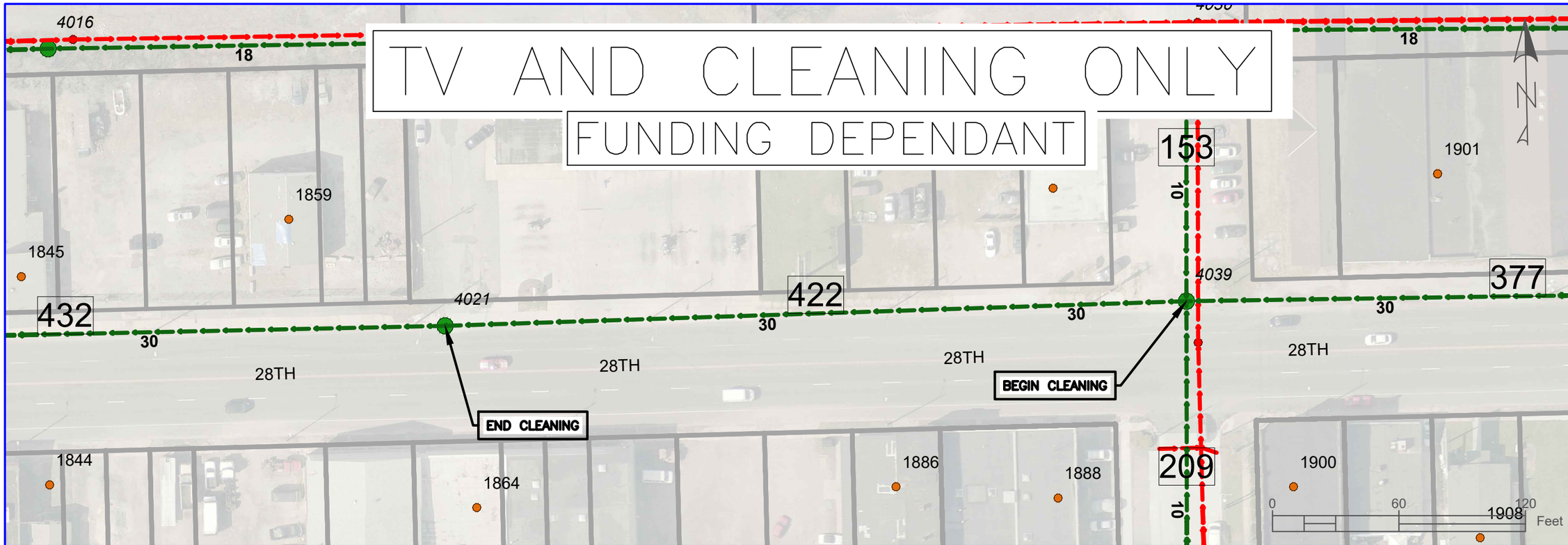
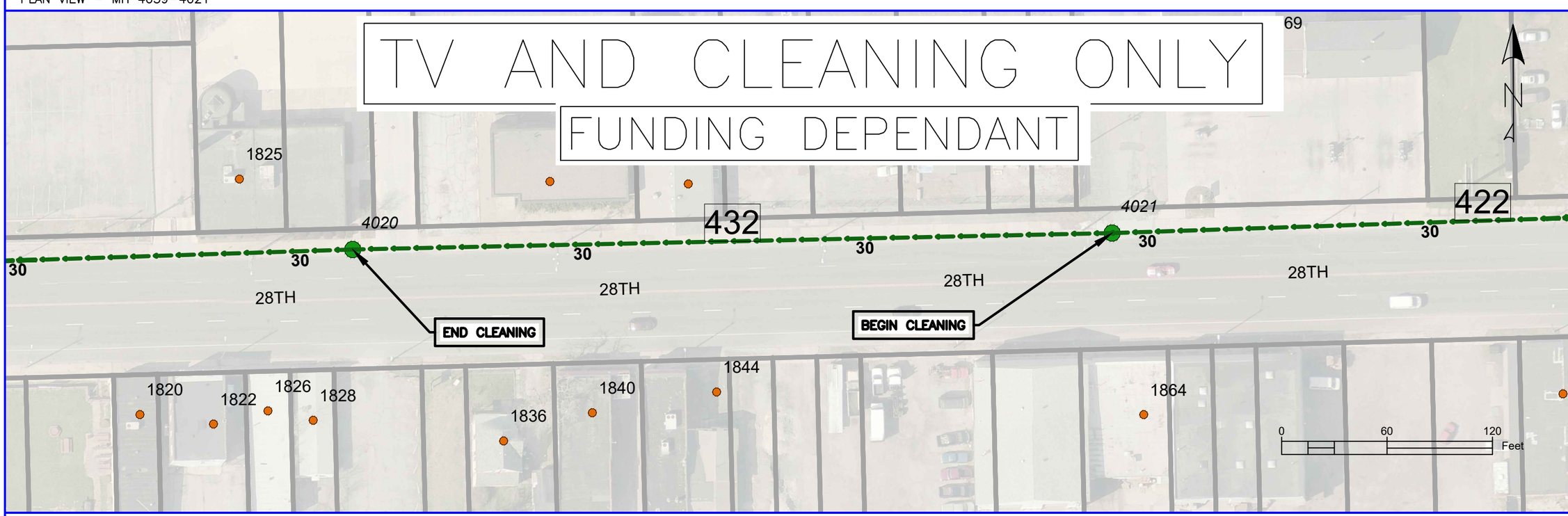


PLAN VIEW – MH 4039–4021



PLAN VIEW – MH 4021–4020

DATE	DESCRIPTION	BY
08/15/20	ISSUED DRAWINGS	VAN

REVISIONS

DATE: AUG. 15, 2020
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EAST 28TH ST.
BETWEEN PEARL AND SENECA

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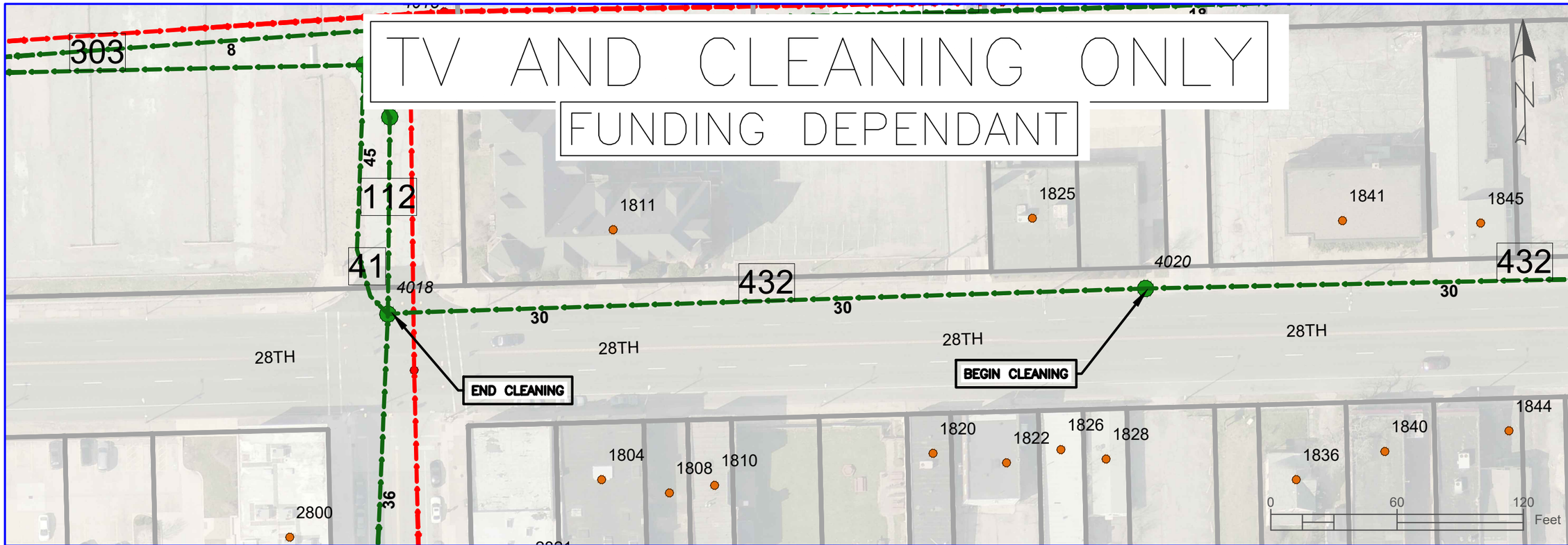

PLAN VIEW – MH 4020–4018

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EAST 28TH ST.
BETWEEN PEARL AND SENECA

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