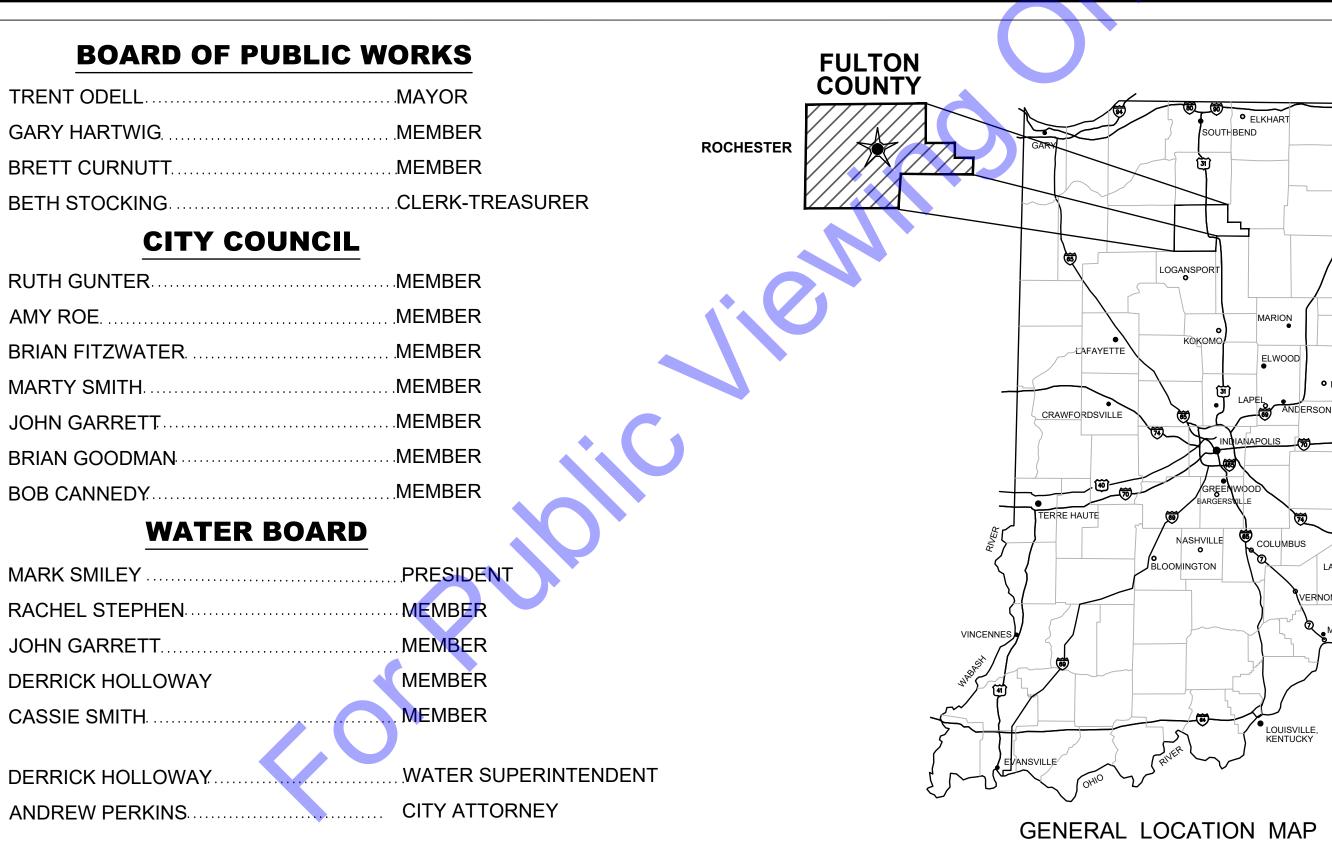
## 

# LEAD SERVICE LINE REPLACEMENT PROJECT - DAC AREA

## **MARCH 2025**



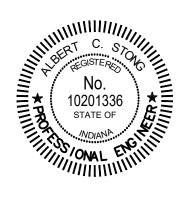


QA/QC BY: JOHN WETZEL 04/0

04/01/2025 DATE :

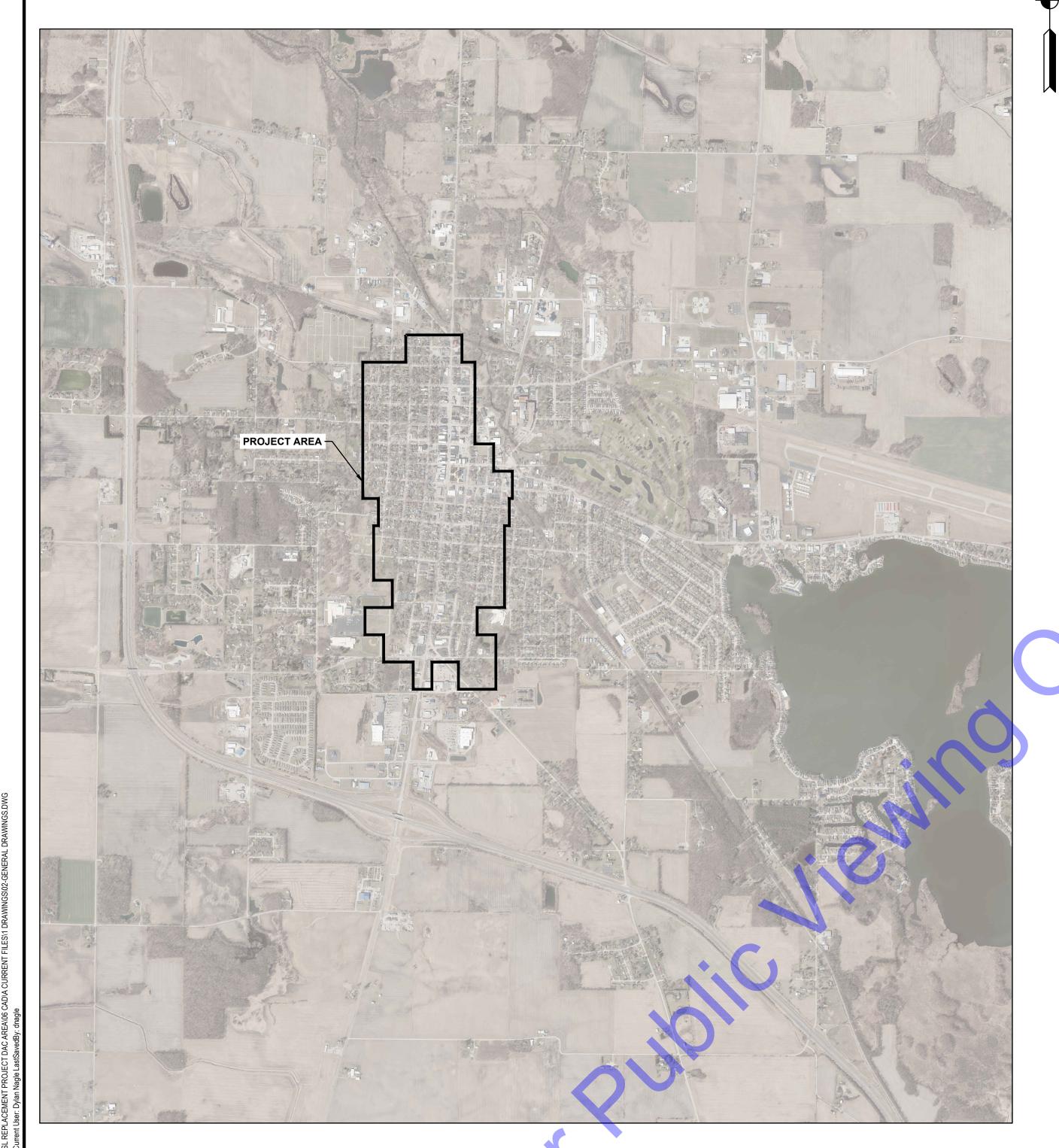
CERTIFIED BY : \_

ALBERT C. STONG INDIANA P.E. No. 10201336 04/01/2025 DATE:



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**CONTRACT NO. : W24156** 



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VICINITY MAP AND DRAWING SET INDEX

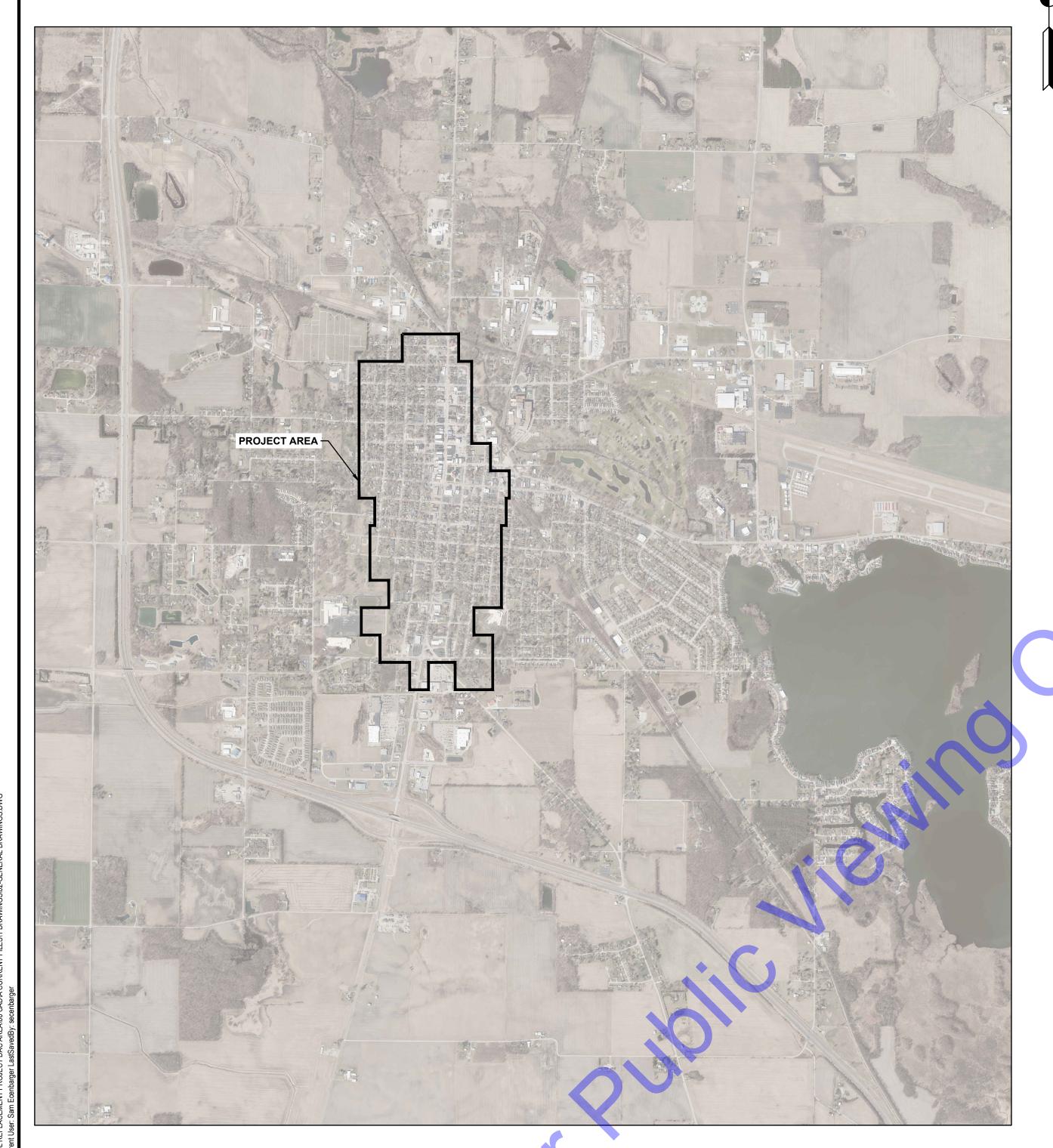
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et: 02 OF 80

VICINITY MAP

SCALE: 1"=1,500'-0"

1,500'



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Designed By: Drawn By: Checked By: AL SSE RAL

Issue Date: Project No: Scale: SUBMITTAL W24156 AS SHOWN VICINITY MAP AND DRAWING SET INDEX

VICINITY MAP	
SCALE: 1"=1,500'-0" 0 1,500'	

#### **GENERAL ABBREVIATIONS**

	<u> </u>	<u> </u>	TOBITE VITATION		
A	AIR	FLD	FILTRATE DRAIN		MATERIAL
AB	ANCHOR BOLT	FLG	FLANGE	P/L	PROPERTY LINE
AFF	ABOVE FINISH FLOOR	FL	FLUSHING LINE	POJ	PUSH ON JOINT
ALT	ALTERNATE	FLR	FLOOR	PSF	POUNDS PER SQUARE FOOT
ALUM	ALUMINUM	FM	FORCE MAIN	PSI	POUNDS PER SQUARE INCH
@	AT	FRP	FIBER REINFORCED PLASTIC	PVC	POLYVINYL CHLORIDE
APP.	APPARENT	FT	FEET OR FOOT	PW	POTABLE WATER
ATT	AERATION TANK TRANSFER	FTG	FOOTING		
AUTO	AUTOMATIC	FW	FINISHED WATER	R	RECIRULCATION
AVG	AVERAGE	. • •	T INICITED WATER	RAD	RADIUS
7.00	TVEIVOL	G	GAS	RAS	RETURN ACTIVATED SLUDGE
В	BAFFLE	GALV	GALVANIZED	RCP	REINFORCED CONCRETE PIPE
BLDG	BUILDING	GEN	GENERAL	RD	ROOF DRAIN
BM	BENCH MARK	GRD	GROUND OR GRADE	REINF	REINFORCING
BOT	BOTTOM			REQ'D	REQUIRED
BRG	BEARING	HB	HOSE BIBB	R/W (ROW	) RIGHT-OF-WAY
		HORIZ	HORIZONTAL		
CFM	CUBIC FEET PER MINUTE	HP	HORSEPOWER	SAN	SANITARY
CL	CENTERLINE	HW	HOT WATER	SAS	SANITARY SEWER
CO	CLEAN OUT			SCH	SCHEDULE
COL/C	COLUMN	ID	INSIDE DIAMETER	SECT	SECTION
CONC	CONCRETE	IJ	ISOLATION JOINT	SF	SQUARE FEET
COP	COPPER	INV	INVERT	SHT	SHEET
CJ	CONSTRUCTION JOINT	IP.	IRON PIN	SL	SAMPLE LINE
CW	COLD WATER			SOS	STORM SEWER
CY	CUBIC YARD	LAV	LAVATORY	SP	STOP PLATE
01	CODIC TAILD	LAV	POUND	SQ	SQUARE
D	DRAIN				
		LL	LIVE LOAD	STD	STANDARD
DEC	DECANT	LLV	LONG LEG VERTICAL	•	STAINLESS STEEL
DIA	DIAMETER	LTG	LIGHTING	STL	STEEL
DIM	DIMENSION			SUP	SUPERNATANT
DI	DUCTILE IRON PIPE	MAX	MAXIMUM	SY	SQUARE YARD
DL	DEAD LOAD	MCC	MOTOR CONTROL CENTER		
DSPT	DOWN SPOUT	MGD	MILLIONS GALLONS PER DAY	TOS	TOP OF SLAB
DWG	DRAWING	MH	MANHOLE	TOW	TOP OF WALL
		MIN	MINIMUM, MINUTE	TW	TERTIARY WATER
E	ELECTRICAL CONDUIT	MJ	MECHANICAL JOINT	TYP	TYPICAL
EA	EACH				
EF	EACH FACE	NC	NORMALLY CLOSED	V	VACUUM OR VALVE
EFFL	EFFLUENT	NG	NATURAL GAS	VAR	VARIES
EL	ELEVATION	NIC	NOT IN CONTRACT	VERT	VERTICAL
EW	EACH WAY	NO	NORMALLY OPEN	VEIXI	VERTIONE
EX	EXISTING	NO.	NUMBER	W	WEIR
EXF	EXHAUST FAN	NPW	NON-POTABLE WATER	W/	WITH
EXP JP		INFVV	NON-FOTABLE WATER		
	EXPANSION JOINT	00	ON CENTED	W/O	WITHOUT
_	EU TED	OC	ON CENTER	WAS	WASTE ACTIVATED SLUDGE
F	FILTER	OD	OUTSIDE DIAMETER	WC	WATER CLOSET
FCAR	FLANGED COUPLING ADAPTER,	OPG	OPENING	WH	WATER HEATER
	RESTRAINED	OPP	OPPOSITE	WL	WATER LINE
FD	FLOOR DRAIN			WWF	WELDED WIRE FABRIC
FDN	FOUNDATION	PB	PULL BOX		
FH	FIRE HYDRANT	PE	POLYETHYLENE EXP. JT.	ΥH	YARD HYDRANT

#### **GENERAL NOTES**

- 1. ALL PROPERTY AND RIGHT-OF-WAY LINE INFORMATION SHOWN IN DRAWING SET ARE APPARENT AND SHALL NOT BE DEEMED EXACT LOCATIONS, UNLESS OTHERWISE NOTED. INFORMATION WAS OBTAINED VIA "INDIANA ON-LINE" GIS SHAPE FILES.
- 2. EXISTING UTILITY INFORMATION SHOWN IN DRAWING SET, MEETS "ASCE 36-02" QUALITY LEVEL "D", UNLESS OTHERWISE NOTED.
  - UTILITY COORDINATION AND PROJECT DEPICTION OF EXISTING SUBSURFACE UTILITY DATA:

#### **UTILITY QUALITY LEVEL DESCRIPTIONS:**

RECOLLECTIONS.

<u>UTILITY QUALITY LEVEL A</u> - PRECISE HORIZONTAL AND VERTICAL LOCATION OF UTILITIES OBTAINED BY THE ACTUAL EXPOSURE (OR VERIFICATIONS OF PREVIOUSLY EXPOSED AND SURVEYED UTILITIES) AND SUBSEQUENT MEASUREMENT OF SUBSURFACE UTILITIES, USUALLY AT A SPECIFIC POINT. ACCURACY OF LOCATION MATCHES PROJECT SURVEY TOLERANCE. **UTILITY QUALITY LEVEL B** - INFORMATION OBTAINED THROUGH THE APPLICATION OF APPROPRIATE SURFACE GEOPHYSICAL METHODS TO DETERMINE THE EXISTENCE AND APPROXIMATE HORIZONTAL POSITION SUBSURFACE UTILITIES. THE RELIABILITY OF THIS INFORMATION IS SURVEYED TO PROJECT CONTROL AND SUBJECT TO ACCURACY LEVELS OF THE GEOPHYSICAL TOLERANCE DEFINED BY THE PROJECT.

- <u>UTILITY QUALITY LEVEL C</u> INFORMATION OBTAINED BY SURVEYING AND PLOTTING VISIBLE ABOVE GROUND UTILITY FEATURES AND CORRELATING QUALITY LEVEL "D" INFORMATION. **UTILITY QUALITY LEVEL D** - INFORMATION DERIVED FROM EXISTING RECORDS OR VERBAL
- 3. NORTHING AND EASTING COORDINATES SHOWN ON ALL MANHOLE, INLETS, ETC, ARE SHOWN FROM CENTER OF STRUCTURE NOT CASTING, UNLESS OTHERWISE NOTED.
- 4. ALL MANHOLES THAT HAVE PIPE INVERT DIFFERENTIAL OF 2' OR GREATER, SHALL BE CONSIDERED A DROP MANHOLE. CONTRACTOR SHALL REFER TO MISCELLANEOUS DETAILS AND DETAILED SPECIFICATIONS FOR MORE INFORMATION.

#### **GENERAL NOTES**

- 1. CONTRACTOR TO AVOID/PROTECT ANY EXISTING MANHOLES, SEWER, OR CULVERTS. IF DISTURBED OR DAMAGED, CONTRACTOR TO REPLACE CONDITIONS EQUAL TO OR BETTER THAN EXISTING.
- 2. SANITARY LATERAL LOCATIONS ARE UNKNOWN. CONTRACTOR TO FIELD VERIFY LOCATION AND DEPTH OF EXISTING SANITARY LATERALS PRIOR TO THE INSTALLATION OF NEW WATER SERVICES.
- 3. CONTRACTOR TO FIELD VERIFY THE LOCATION AND DEPTHS OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION. IF UTILITY CONFLICTS OCCUR, CONTRACTOR SHALL NOTIFY RPR PRIOR TO PROCEEDING WITH WORK. ROUTE OF NEW WATER SERVICE MAY BE MODIFIED IN THE FIELD TO AVOID CONFLICTS WITH OTHER UTILITIES.
- 4. ALL WATER UTILITY CUSTOMERS SHALL BE GIVEN 48 HOURS NOTICE PRIOR TO THE TEMPORARY INTERRUPTIONS OF SERVICE TO ACCOMODATE THE TRANSFER OF WATER SERVICE TO THE NEW WATER SERVICE LINE. NO CUSTOMERS SHALL BE WITHOUT WATER FOR LONGER THAN 4 HOURS.
- 5. NEW SERVICES SHALL BE REPLACED FULLY FROM THE WATER MAIN TO THE SHUTOFF VALVE INSIDE THE HOME (PREMISE PLUMBING). WHERE THE NEW SHUTOFF VALVE IS NOT READILY ACCESSIBLE WITHIN THE HOME, A NEW SHUTOFF VALVE SHALL BE INSTALLED JUST INSIDE THE HOME.
- ALL NEW CURB STOPS AND METER PITS SHALL BE LOCATED WITHIN THE RIGHT OF WAY. ROUTE OF THE NEW WATER SERVICE MAY BE MODIFIED IN THE FIELD TO MINIMIZE DISTURBANCES TO EXISTING LANDSCAPING OR OTHER SURFACE ITEMS, PROVIDED REVIEW AND ACCEPTANCE BY THE OWNER
- CONTRACTOR TO USE A LICENSED PLUMBER FOR MAKING THE IN-HOUSE SERVICE CONNECTION.

TP TEL/TV PEDESTAL

- CONTRACTOR SHALL PLAN CONSTRUCTION ACTIVITIES TO MINIMIZE IMPACT TO LOCAL TRAFFIC. LOCAL TRAFFIC ACCESS, INCLUDING ACCESS TO ALL RESIDENCES AND EMERGENCY VEHICLES MUST BE MAINTAINED AT ALL TIMES. SUCH TRAFFIC CONTROL DEVICES SHALL COMPLY WITH THE LATEST EDITION OF THE MUTCD AND ALL APPLICABLE INDIANA SUPPLEMENTS.
- 9. CONTRACTOR SHALL PROVIDE ADDITIONAL EROSION CONTROL MEASURES AS SPECIFIED IN THE DETAILED SPECIFICATIONS, INCLUDING BUT NOT LIMITED TO CONCRETE WASH OUT STATIONS, TEMPORARY CONSTRUCTION ENTRANCES, TEMPORARY SEEDING, ETC. AS REQUIRED DURING THE DURATION OF THE PROJECT TO MAINTAIN COMPLIANCE WITH THE RULE 5 PERMIT. CONTRACTOR SHALL ADHERE TO ALL REQUIREMENTS OF RULE 5 PERMIT, INCLUDING PROVIDING REQUIRED NOTIFICATIONS TO THE REQUIRED AGENCIES.

### 10201336 STATE OF

CITY OF ROCHESTER
ULTON COUNTY, INDIANA
LEAD SERVICE LINE
LACEMENT PROJECT - DA
AREA

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Issue Date:			Pro	Project No:			5	Scal	e:		

SUBMITTAL W24156 AS SHOWN **GENERAL** ABBREVIATIONS, LEGENDS, SYMBOLS, AND NOTES

G3

Sheet: 03 OF 86

#### GENERAL SCHEMATIC LEGEND

	QUICK DISCONNECT	O	BOOSTER PUMP
Щ	FLANGED SPOOL SECTION	ARV O—	AIR RELIEF VALVE
PRV	PRESSURE REDUCER VALVE	FM	FLOW METER
	FLANGED COUPLING ADAPTER	GV →	GATE VALVE
Z	BALL CHECK VALVE	FCV	FLOW CONTROL VALVE
$\displaystyle \bigvee_{i=1}^{M}$	MOTOR ACTUATOR	$\bowtie$	VALVE
	FLEXIBLE CONNECTION	$\bowtie$	ECCENTRIC PLUG VALVE
SCR	FLANGE FILLER & S.S. MESH SCREEN	$\bigvee$	CHECK VALVE
W V90	90° V-NOTCH WEIR	$\nabla$	INCREASER / REDUCER
M	MAGNETIC FLOW METER	$\sum$ BV	BUTTERFLY VALVE
	ULTRASONIC SENSOR	∃ E	PIPE THROUGH FLOOR / WALL
Ğ	SUBMERSIBLE PUMP	اح۱	BALL VALVE
	NEW PIPING AND EQUIPMENT	<del> </del>	BLIND FLANGE OR PLUG
	EXISTING PIPING AND EQUIPMENT		HOSE BIBB
	FUTURE PIPING AND EQUIPMENT		STOP PLATE

#### HATCHING SYMBOLS

-CMU WALL (PLAN VIEW) -GRANULAR BACKFILL (PROFILE VIEW)
- DEMOLITION (CONTRACTOR SHALL REFER TO DETAILED SPECIFICATIONS)
- GROUT
- CONCRETE
- STEEL
- COMPACTED GRANULAR BACKFILL OR COMPACTED FOUNDATION
- ABANDONED IN PLACE

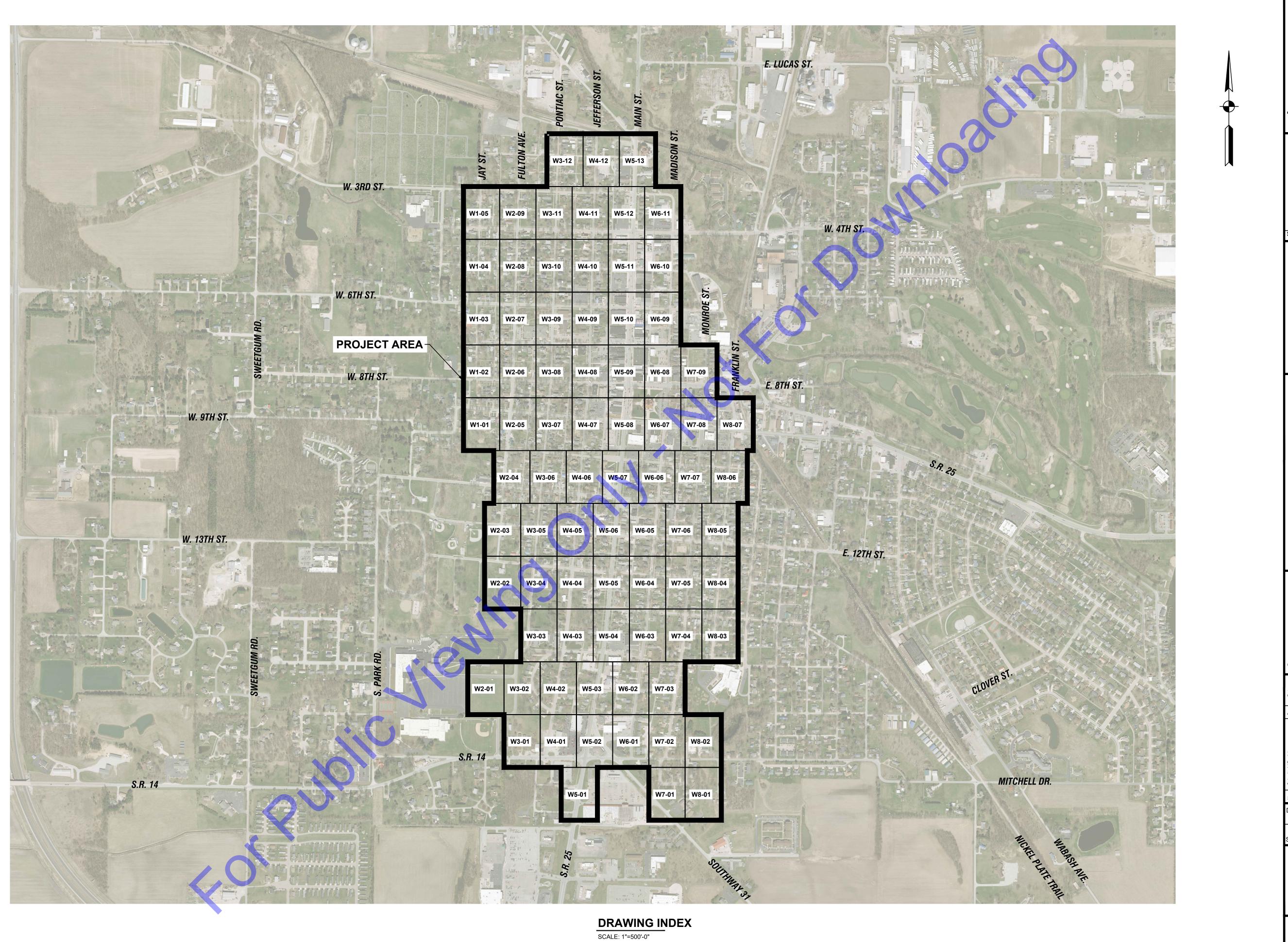
	DRAWING SET	LEG	<u>END</u>
EXOHT	EXISTING OVERHEAD TELEPHONE LINE	O	AC UNIT
EXG	EXISTING GAS LINE AND VALVE	0	BOLLARD
EXW EXW	EXISTING WATER LINE AND VALVE	$\Diamond$	BOULDEF
EXF/O EXF/O	EXISTING FIBER OPTIC LINE	⊠CL	CENTER
EXOHE EXOHE	EXISTING OVERHEAD ELECTRIC LINE	⊠RW	ROW MO
——————————————————————————————————————	EXISTING BURIED ELECTRIC	<b></b>	CONTRO
NPW NPW	EXISTING NON-POTABLE WATER LINE	Č.	CURB ST
— POT — POT — POT —	EXISTING POTABLE WATER LINE	MB	MAIL BOX
EXBT	EXISTING BURIED TELEPHONE LINE	D	FLAG PO
xxxx	EXISTING FENCE	0	POST
	APPARENT EXISTING FIBER OPTIC LINE	0	STUMP
——— APP.EXG ——— APP.EXG ———	APPARENT EXISTING GAS LINE AND VALVE	£3	BUSH / HI
APP.EXE APP.EXE	APPARENT EXISTING ELECTRIC		DECIDUO
APP. R/W	APPARENT RIGHT-OF-WAY		CONIFER
APP. P/L	APPARENT PROPERTY LINE	_	SIGN
		₫	UTILITY L
<u>}</u> }	EDGE OF ROAD	©	GAS LINE
<u></u>	EDGE OF ROAD WITH CURB	₩	GAS VAL
[=====================================	EDGE OF ROAD WITH GORD		GAS MET
— — — 785 — — —	EXISTING MAJOR CONTOUR LINE	-•	GUY POL
	EXISTING MINOR CONTOUR LINE	Ø	POWER F
— w —— w —	NEW WATER LINE	어	LIGHT PC
785	PROPOSED MAJOR CONTOUR LINE	$\leftarrow$	GUY WIR
		EM	ELECTRIC
	PROPOSED MINOR CONTOUR LINE	$\equiv \equiv$	ELECTRIC

		V	TELET HOME EINE WARREN
0	BOLLARD	®	TRAFFIC MANHOLE
$\Diamond$	BOULDER / LARGE ROCK	<b></b>	WATER LINE MARKER
⊠CL	CENTER LINE MONUMENT	MP	METER PIT
⊠RW	ROW MONUMENT	₩V	VALVE
<b>\Phi</b>	CONTROL POINT / BENCH MARK	×	IRRIGATION CONTROL VALVE
Ö	CURB STOP	abla	FIRE HYDRANT
MB	MAIL BOX	F	FLUSH HYDRANT
D	FLAG POLE	$\varnothing$	YARD HYDRANT
0	POST	$\bowtie$	WALL SPIGOT
0	STUMP	_	EXISTING PIPE PLUG
(3)	BUSH / HEDGE		STORM CATCH BASIN (SQUARE)
<b>(</b>	DECIDUOUS TREE		STORM CATCH BASIN (ROUND)
	CONIFEROUS TREE		STORM CURB INLET
•	SIGN		STORM MANHOLE
₫	UTILITY LOCATE FLAG	S	SANITARY MANHOLE
© CV	GAS LINE MARKER	sv X	SANITARY VALVE
Sv ⊠	GAS VALVE	<ul><li></li></ul>	CLEANOUT
<b>©</b>	GAS METER	X	VENT
-①	GUY POLE	×	NEW VALVE
Ø	POWER POLE	Q	NEW FIRE HYDRANT
어	LIGHT POLE	F	NEW FLUSH HYDRANT
$\leftarrow$	GUY WIRE	[]XX	NEW WET SADDLE AND VALVE BOI
EM	ELECTRIC METER		NEW PLUG
≡≡	ELECTRIC PANEL	LS	NEW LINE STOP
ET	ELECTRIC TRANSFORMER		NEW CUT AND CAP
	HAND HOLE BOX	<b>®</b>	NEW SANITARY MH
<b>(F)</b>	FIBER OPTIC MARKER	Ö	NEW METER PIT

NEW CURB STOP

TELEPHONE MANHOLE

↑ TELEPHONE LINE MARKER



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AL SSE RAL 

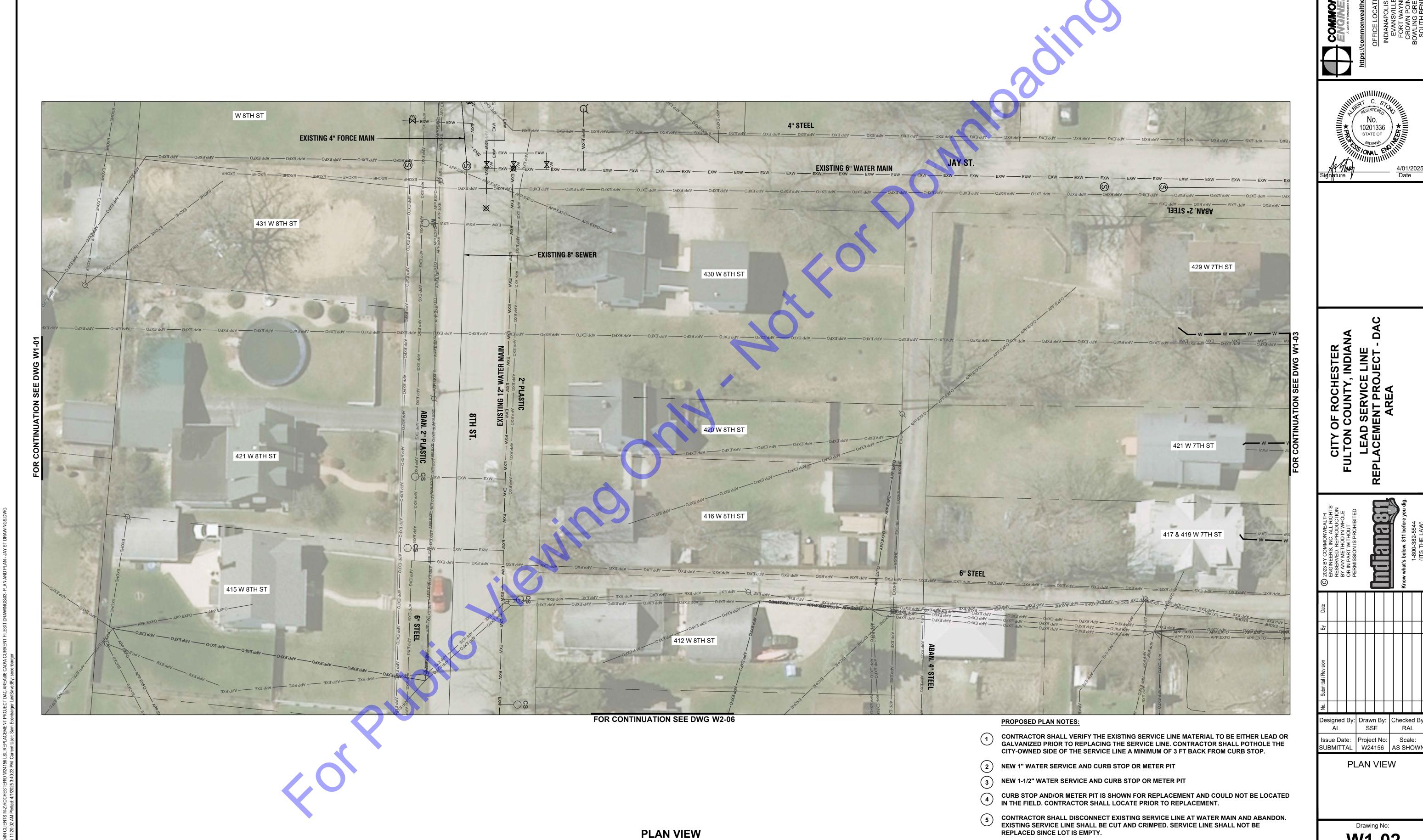
DRAWING INDEX MAP

Drawing No: G4

Sheet: 04 OF 86



W1-01 Sheet: 05 OF 86



Designed By: Drawn By: Checked By ssue Date: Project No: Scale:

Sheet: 06 OF 86



**PLAN VIEW** 

COMMONWEARS, INC.

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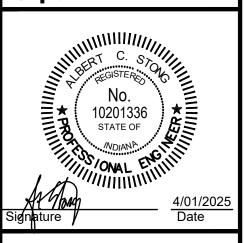
OFFICE LOCATIONS IN:

INDIANAPOLIS, IN. (2)

EVANSVILLE, IN.

EODT MASVILE, IN.

EODT MASVILE IN.



CITY OF ROCHESTER
FULTON COUNTY, INDIANA
LEAD SERVICE LINE
EPLACEMENT PROJECT - DA

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PLAN VIEW

SUBMITTAL | W24156 | AS SHOWN

Drawing No:

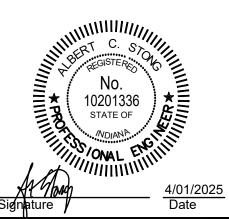
NEW 1-1/2" WATER SERVICE AND CURB STOP OR METER PIT

CURB STOP AND/OR METER PIT IS SHOWN FOR REPLACEMENT AND COULD NOT BE LOCATED IN THE FIELD. CONTRACTOR SHALL LOCATE PRIOR TO REPLACEMENT.

CONTRACTOR SHALL DISCONNECT EXISTING SERVICE LINE AT WATER MAIN AND ABANDON. EXISTING SERVICE LINE SHALL BE CUT AND CRIMPED. SERVICE LINE SHALL NOT BE REPLACED SINCE LOT IS EMPTY.

Sheet: 07 OF 86





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OFFICE LOCATIONS IN:
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LEAD SERVICE LINE

LACEMENT PROJECT - DAC

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PLAN VIEW

Drawing No: **W1-05** 

**W1-U5**Sheet: 09 OF 86

CURB STOP AND/OR METER PIT IS SHOWN FOR REPLACEMENT AND COULD NOT BE LOCATED IN THE FIELD. CONTRACTOR SHALL LOCATE PRIOR TO REPLACEMENT.

CONTRACTOR SHALL DISCONNECT EXISTING SERVICE LINE AT WATER MAIN AND ABANDON. EXISTING SERVICE LINE SHALL BE CUT AND CRIMPED. SERVICE LINE SHALL NOT BE REPLACED SINCE LOT IS EMPTY.

PLAN VIEW

SCALE: 1"=20'-0"





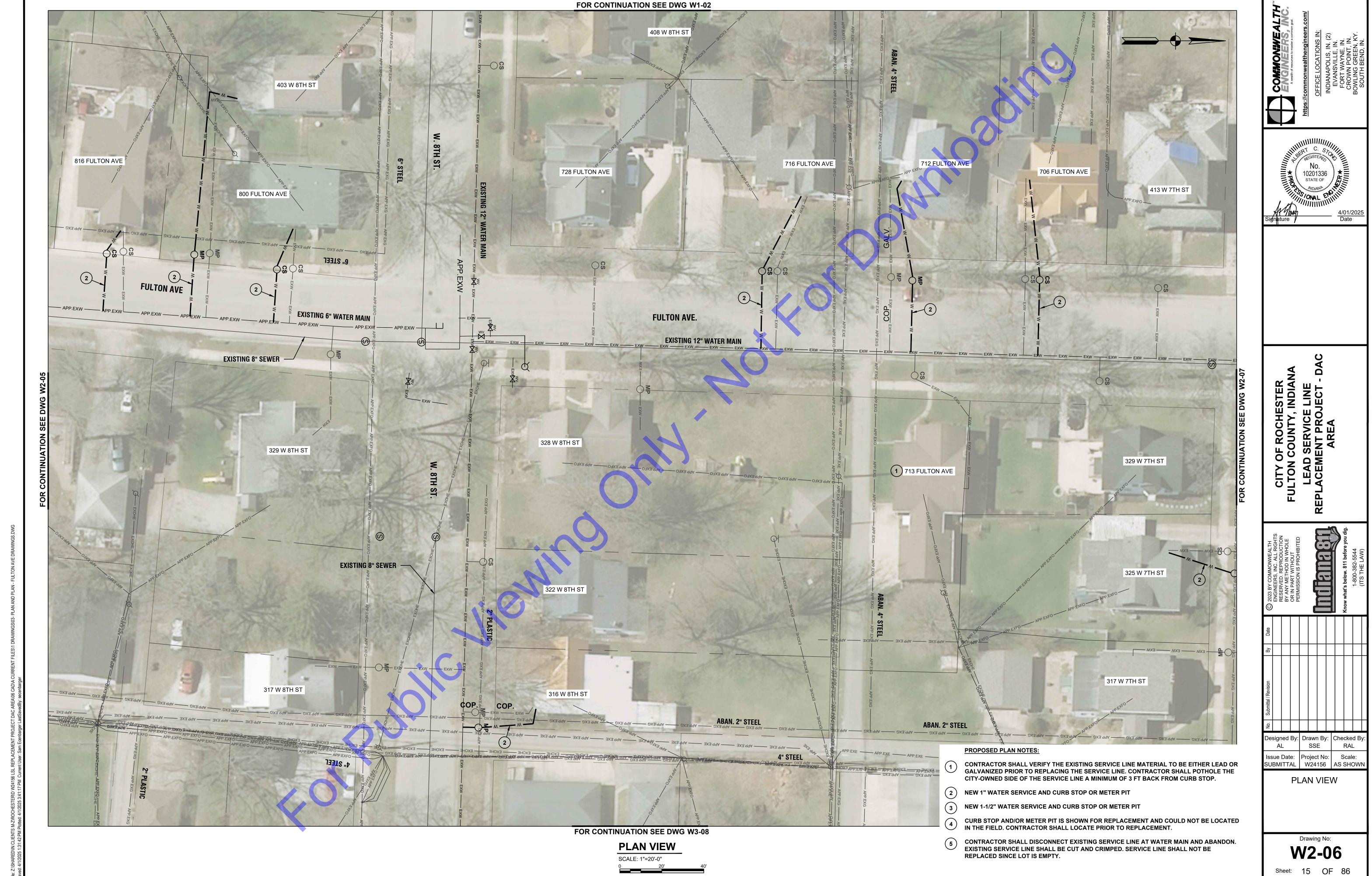
Sheet: 11 OF 86



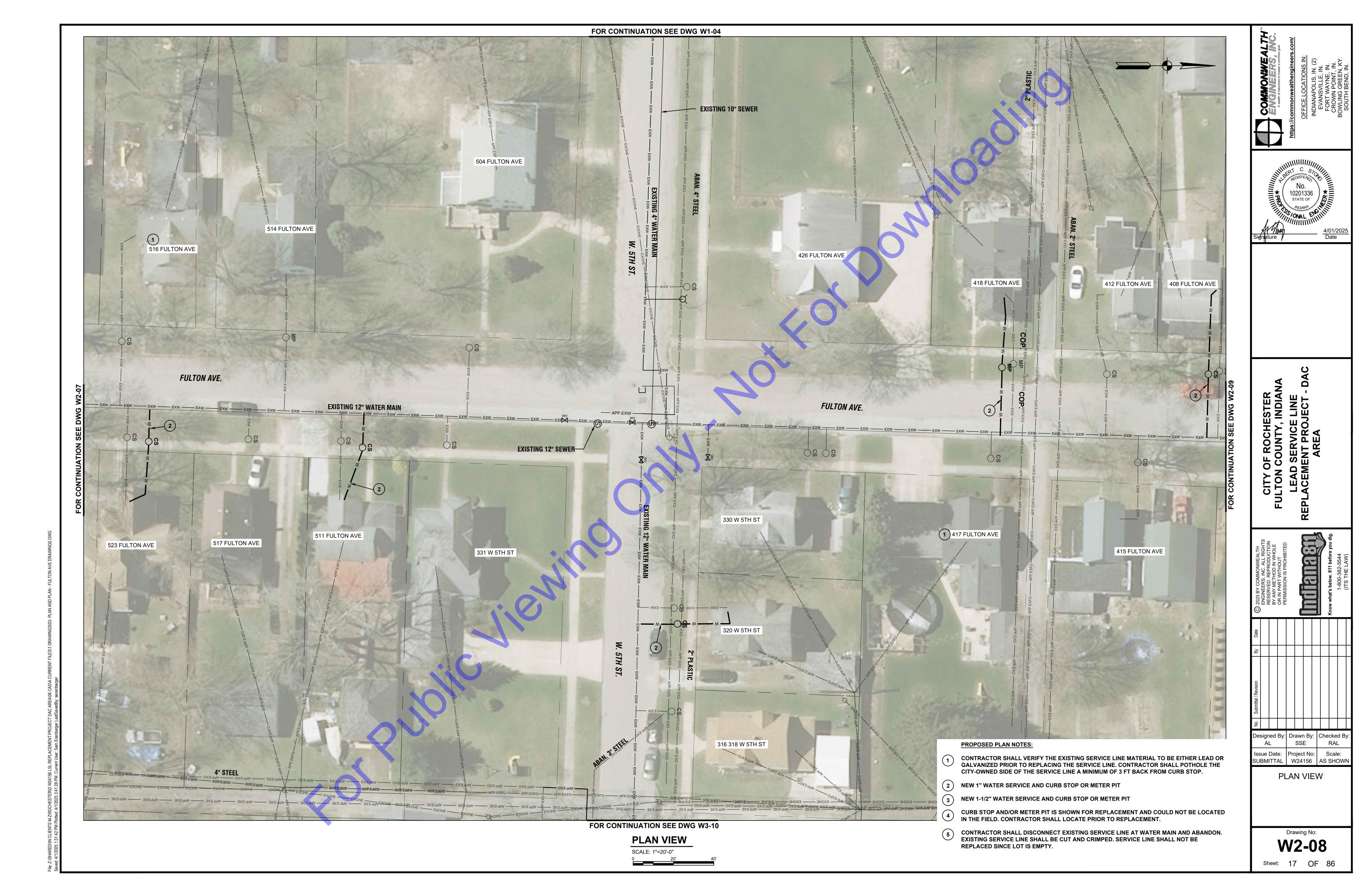
Sheet: 12 OF 86













FOR CONTINUATION SEE DWG W1-05

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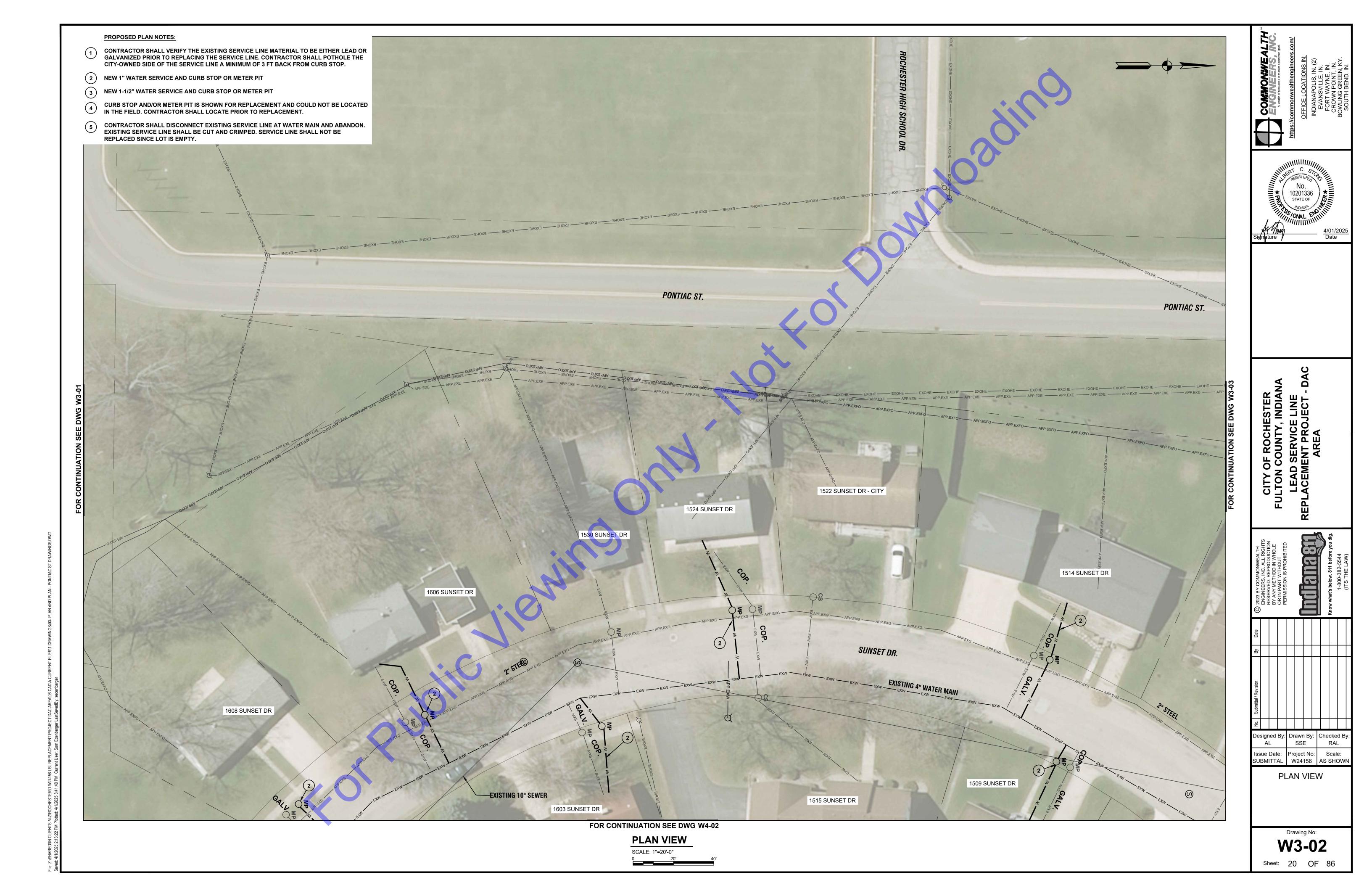
PLAN VIEW



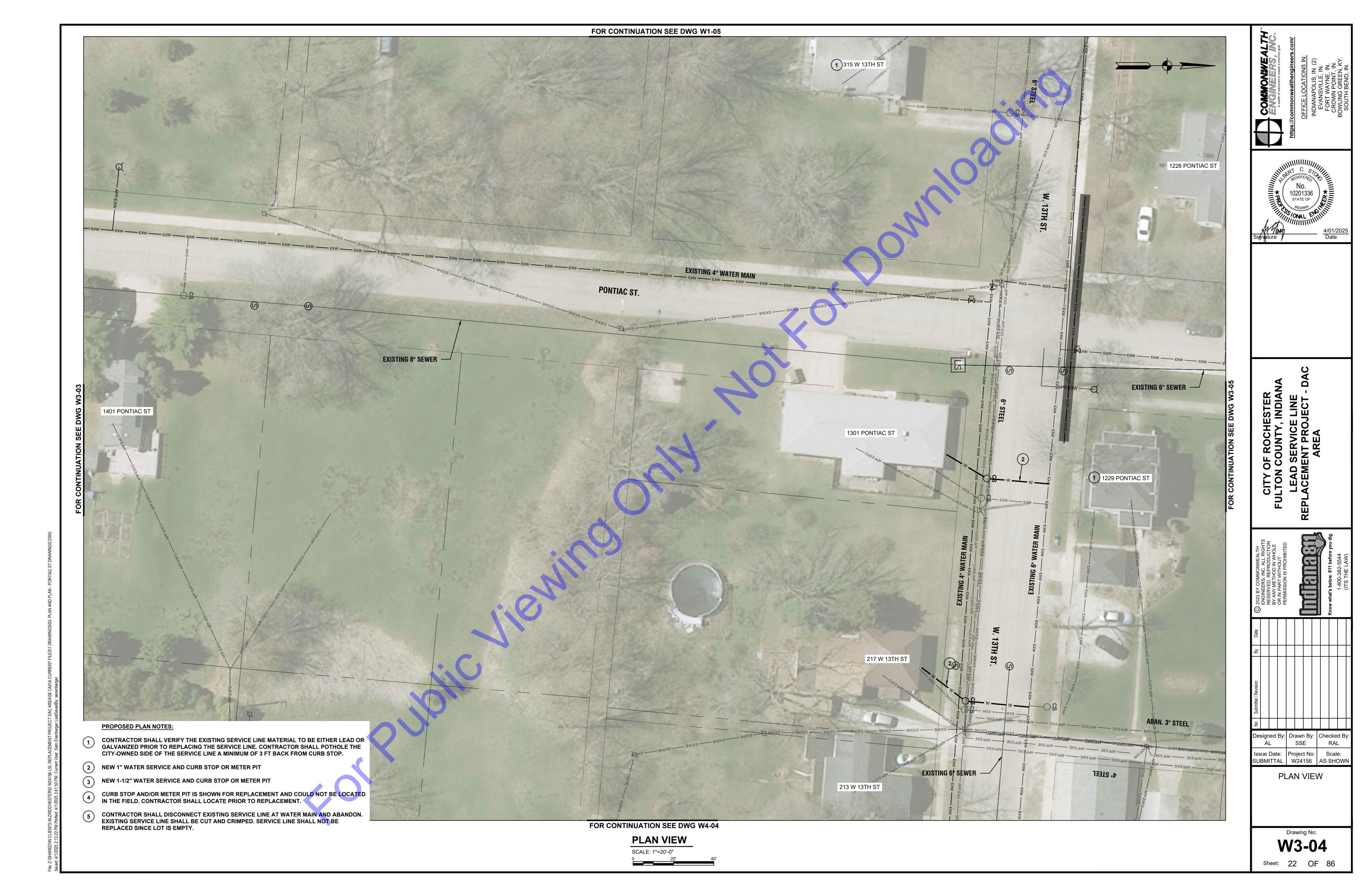
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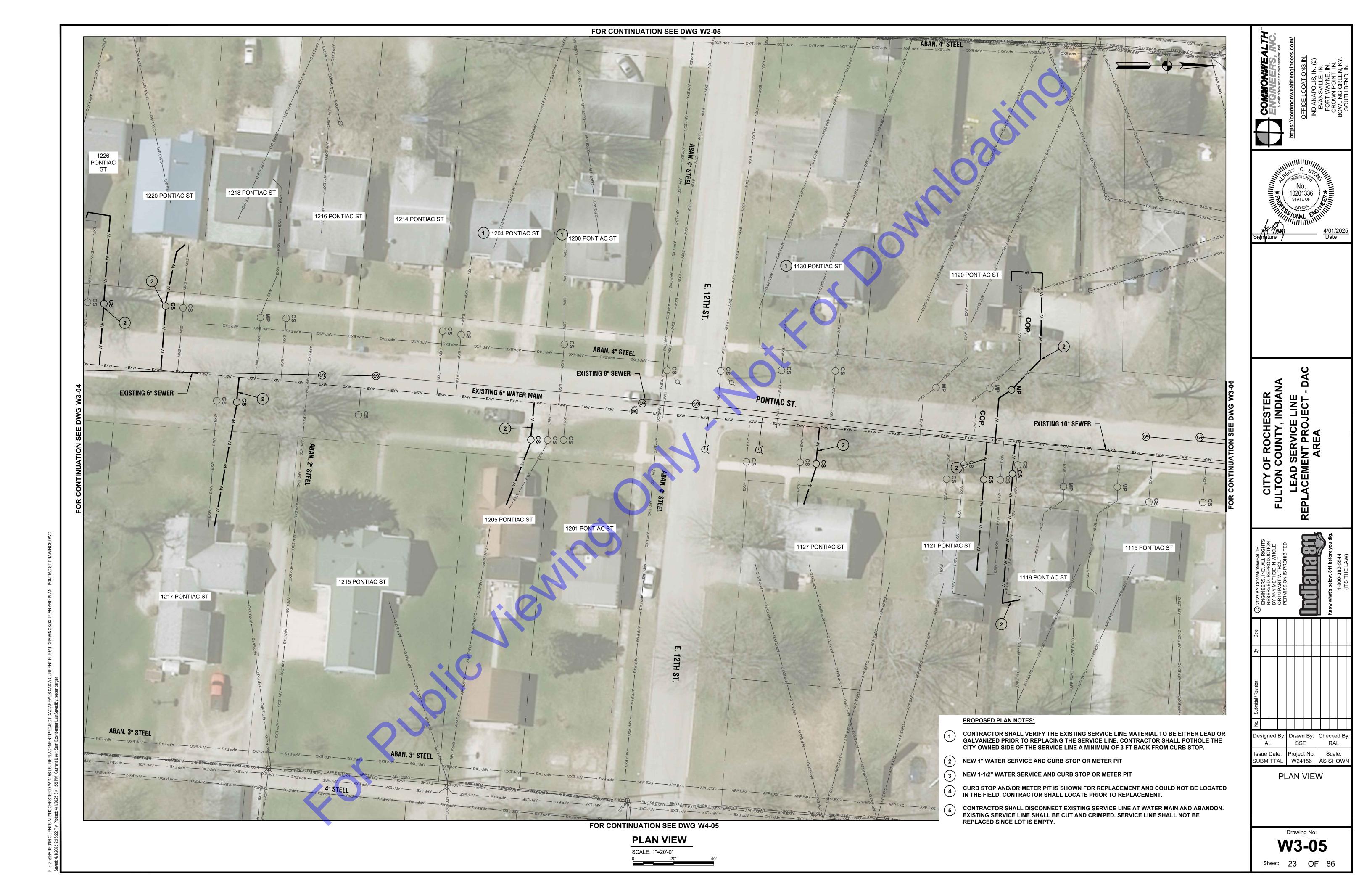
PLAN VIEW

W3-01



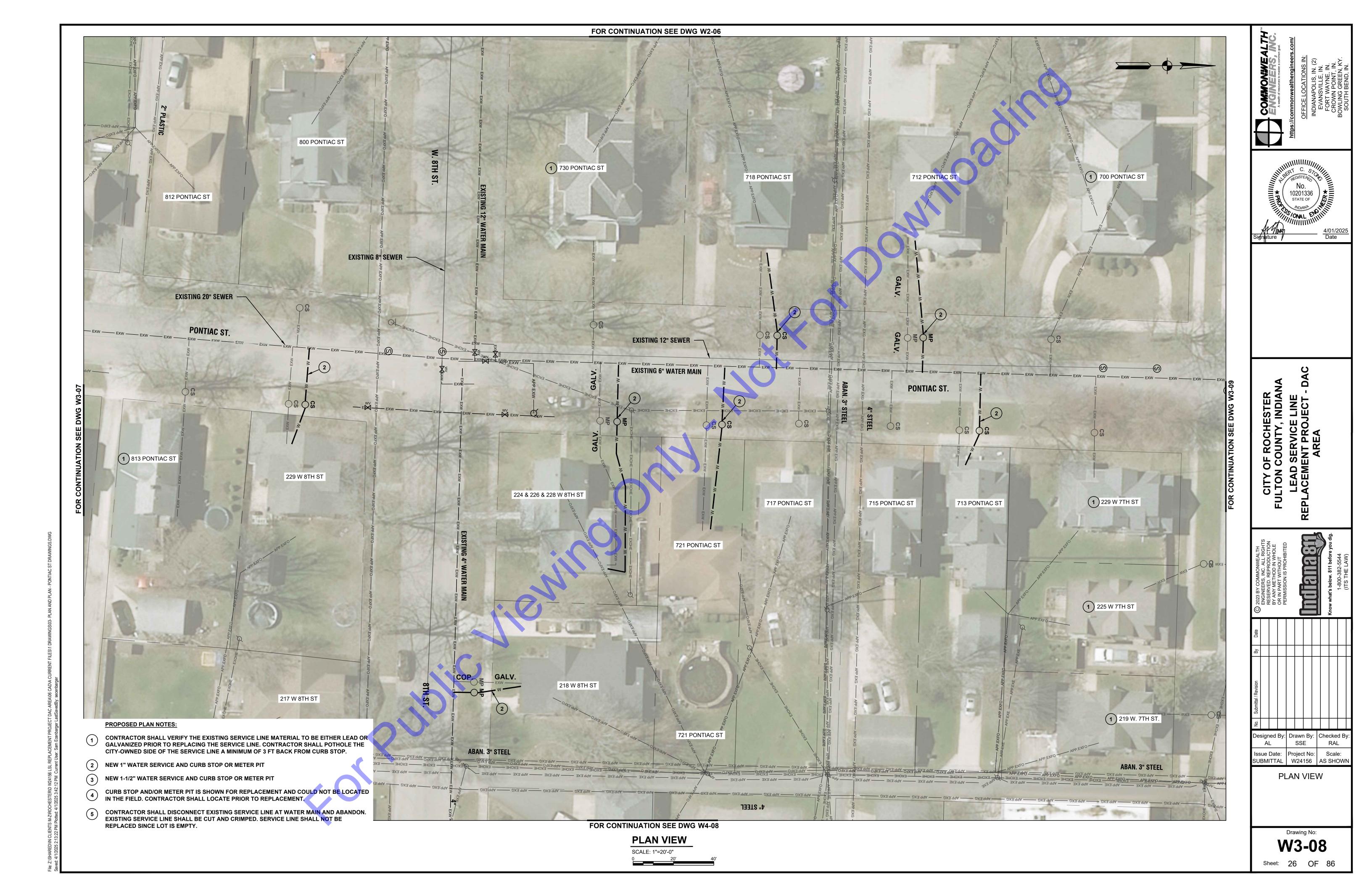


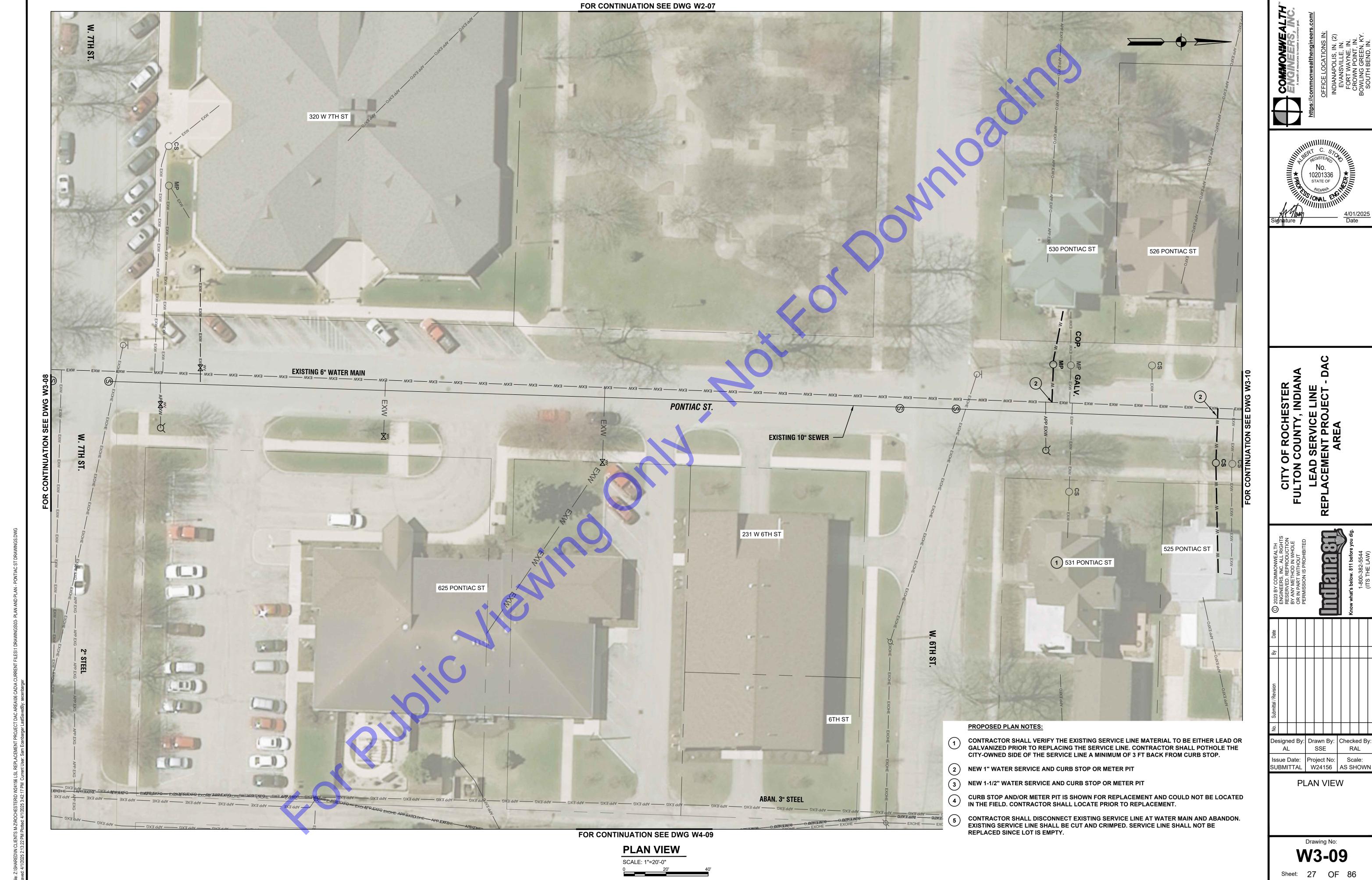




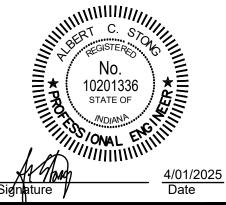


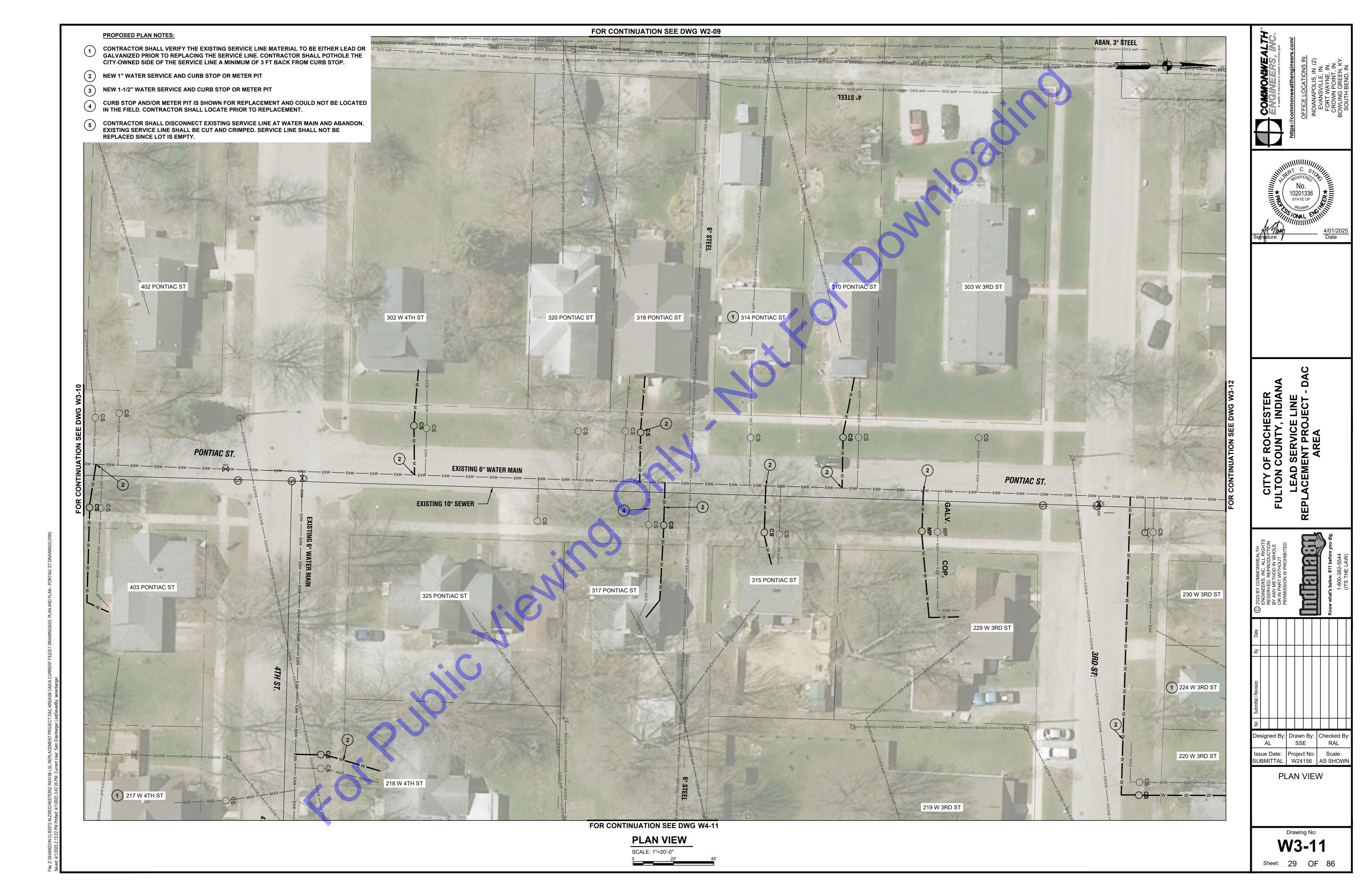














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OFFICE LOCATIONS IN:

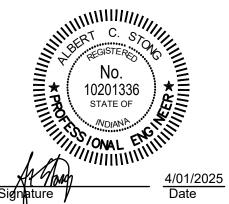
INDIANAPOLIS, IN. (2)

EVANSVILLE, IN.

FORT WAYNE, IN.

CROWN POINT, IN.

CROWN POINT, IN.



FULTON COUNTY, INDIANA
LEAD SERVICE LINE
EPLACEMENT PROJECT - DAC

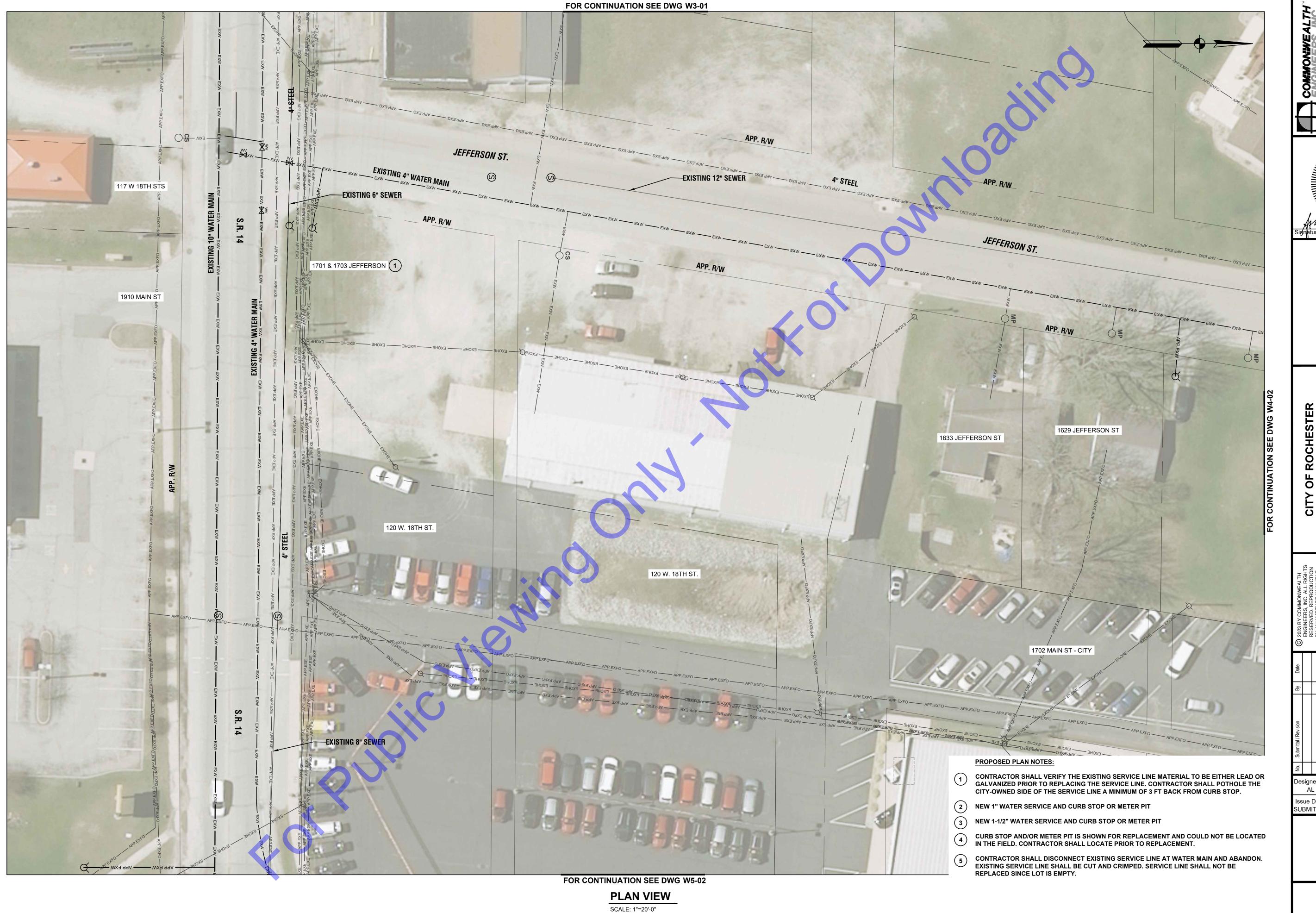
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SCALE:
AS SHOWN

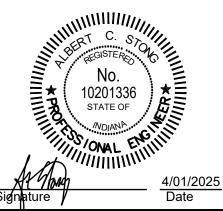
PLAN VIEW

Drawing No: **W3-12** 

Sheet: 30 OF 86



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FULTON COUNTY, INDIANA
LEAD SERVICE LINE
PLACEMENT PROJECT - DA

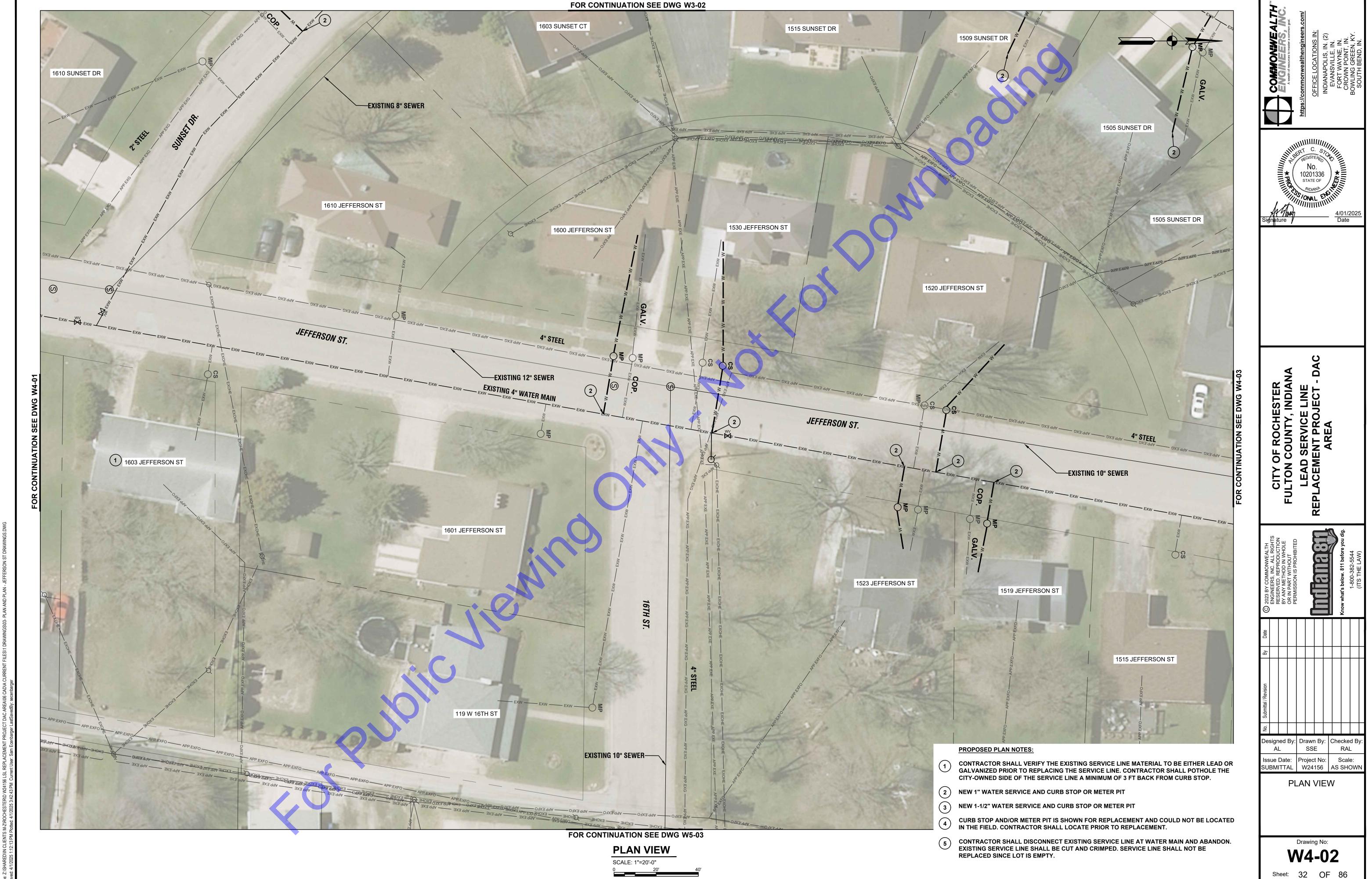
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PLAN VIEW

Drawing No: **W4-01**Sheet: 31 OF 86





FOR CONTINUATION SEE DWG W3-03



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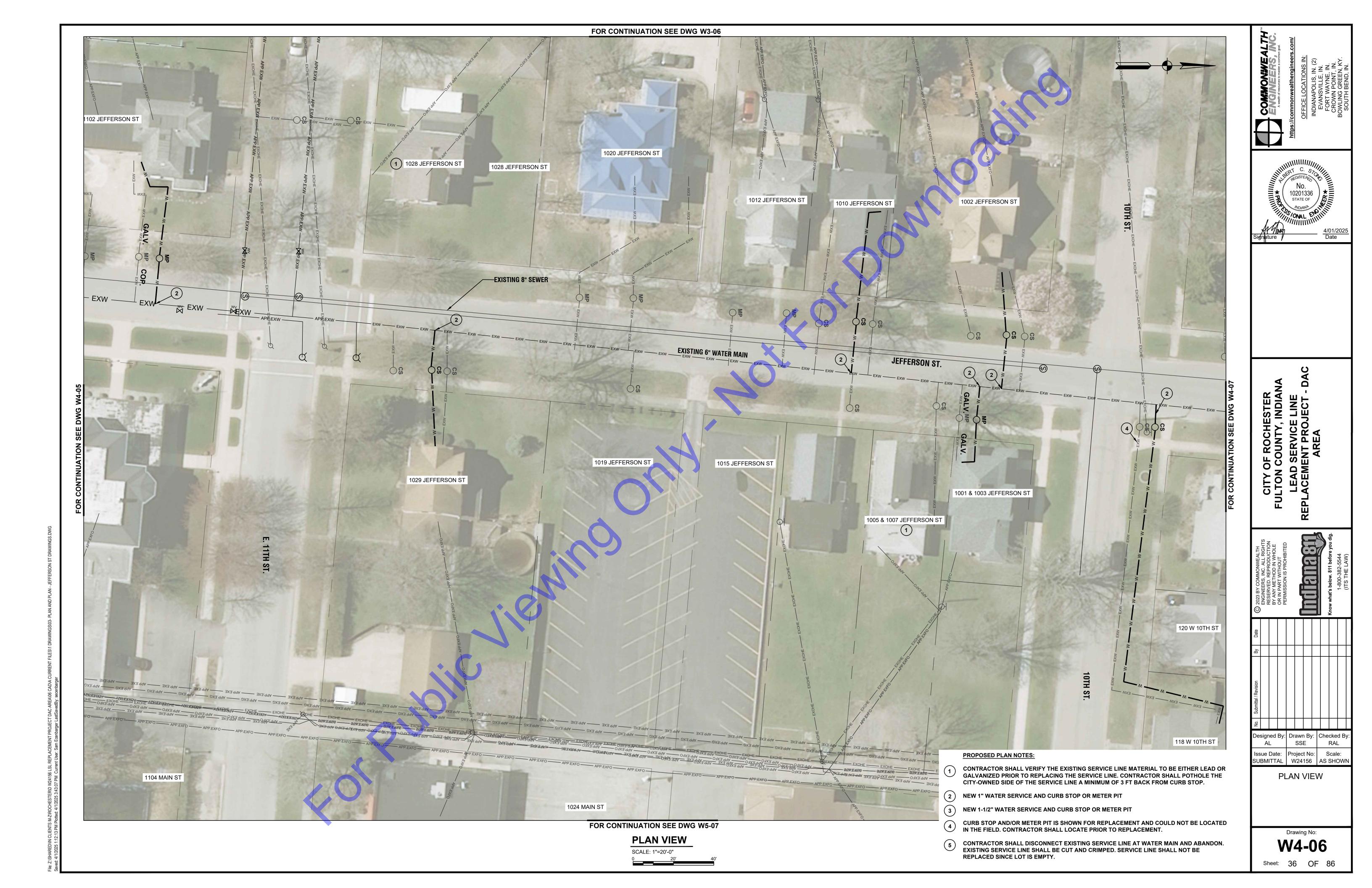
PLAN VIEW

W4-03

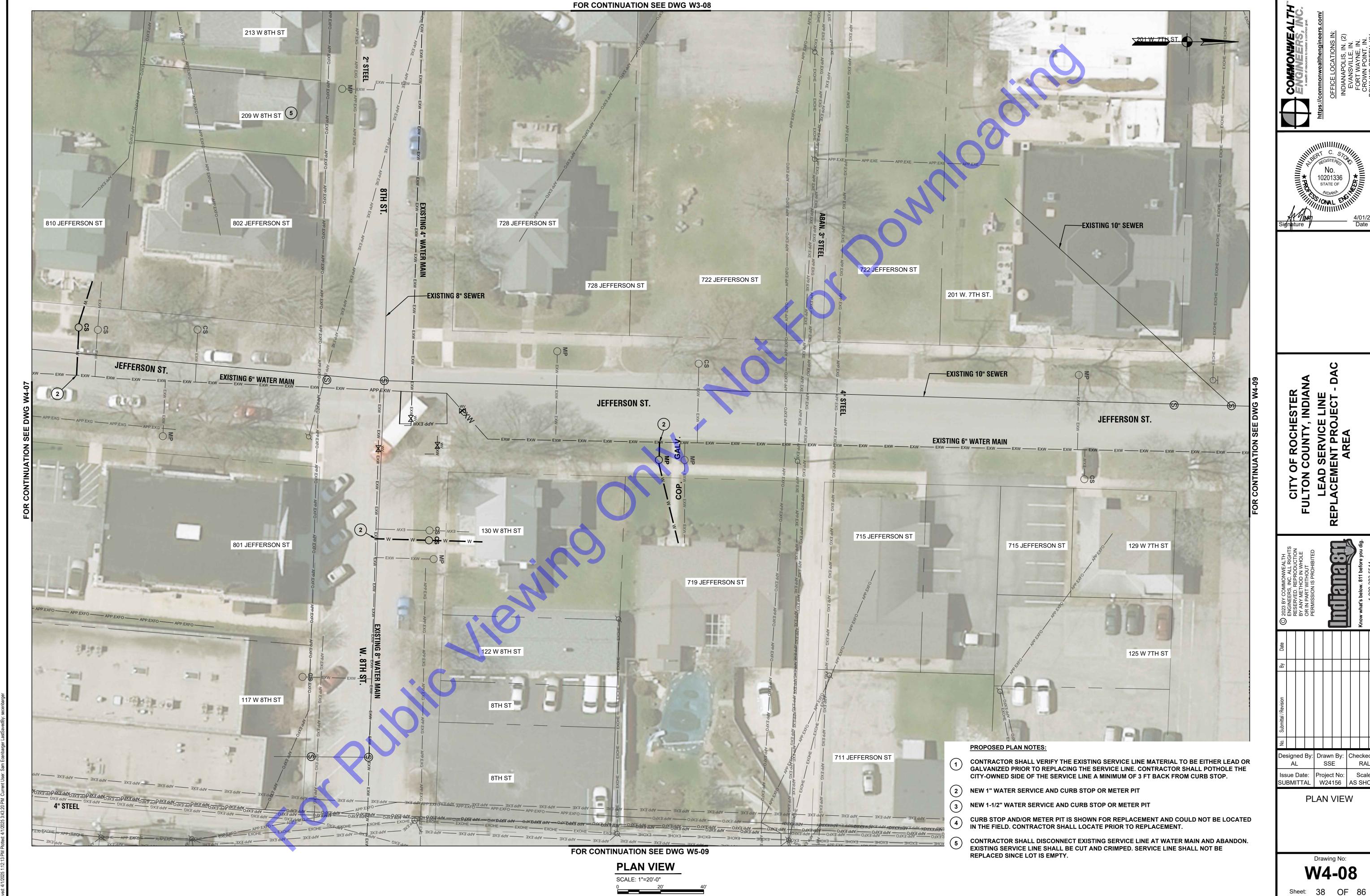


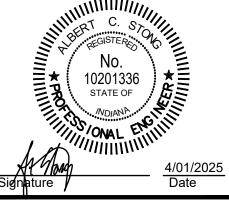
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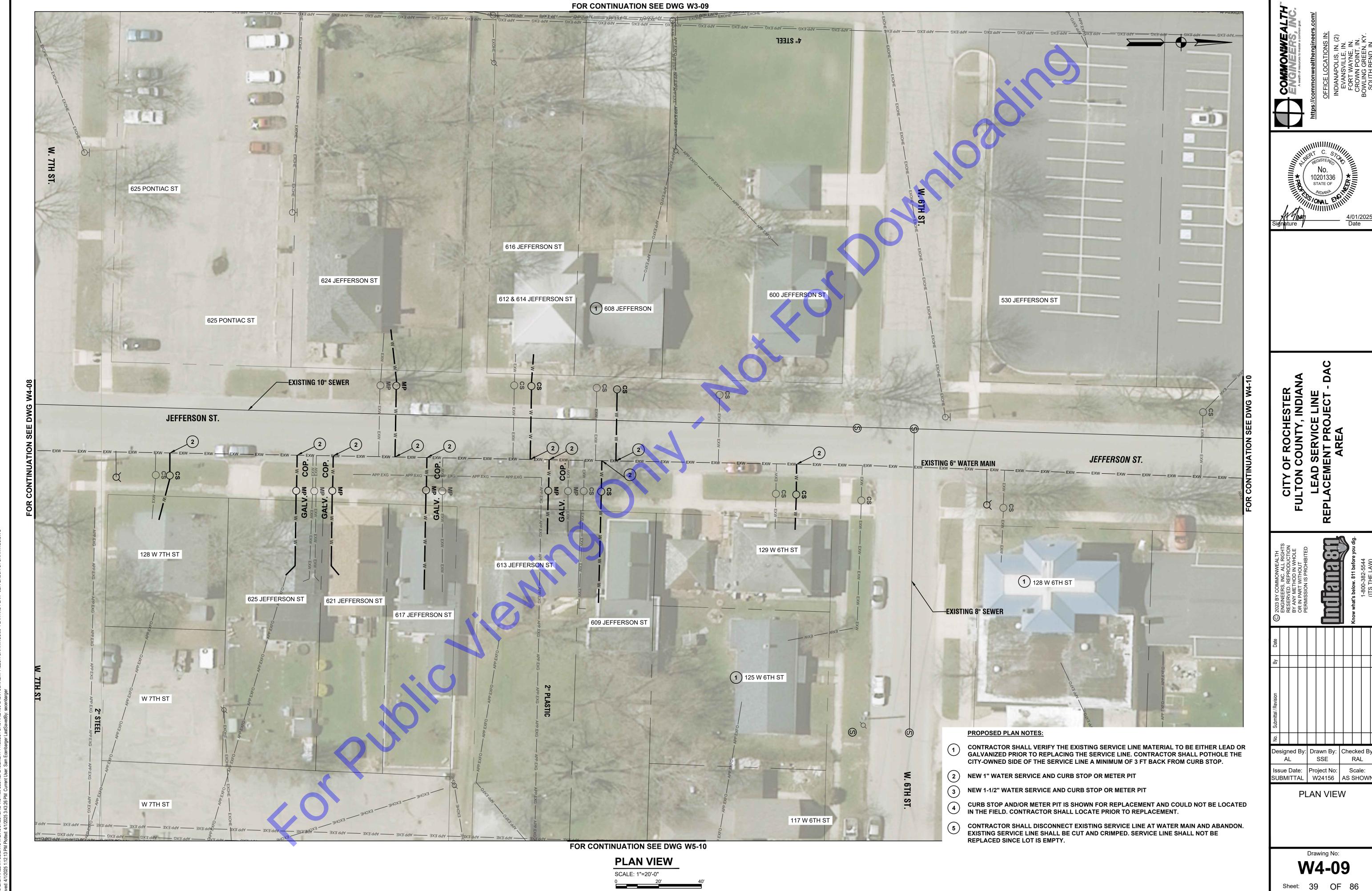


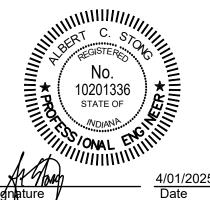




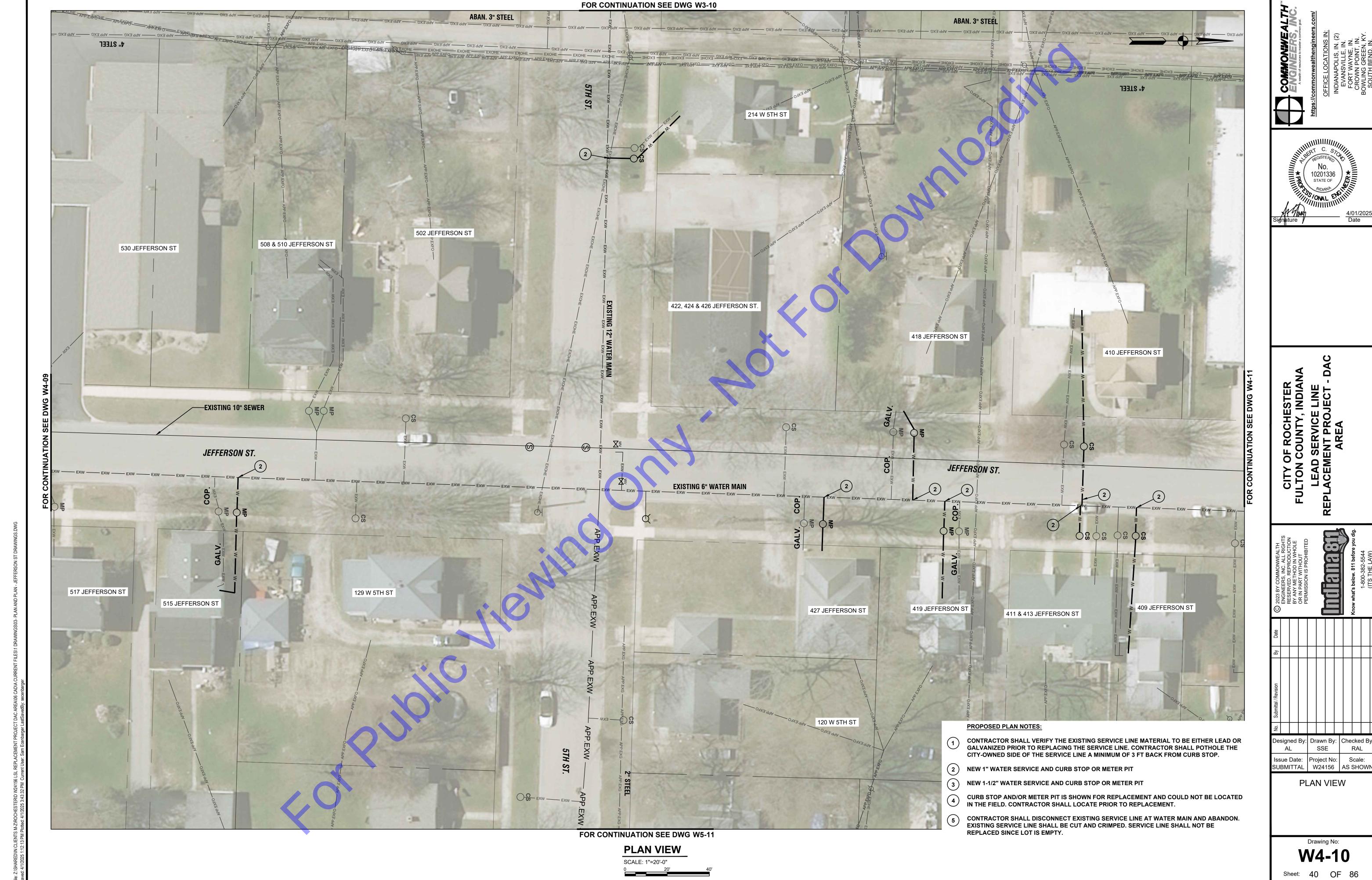
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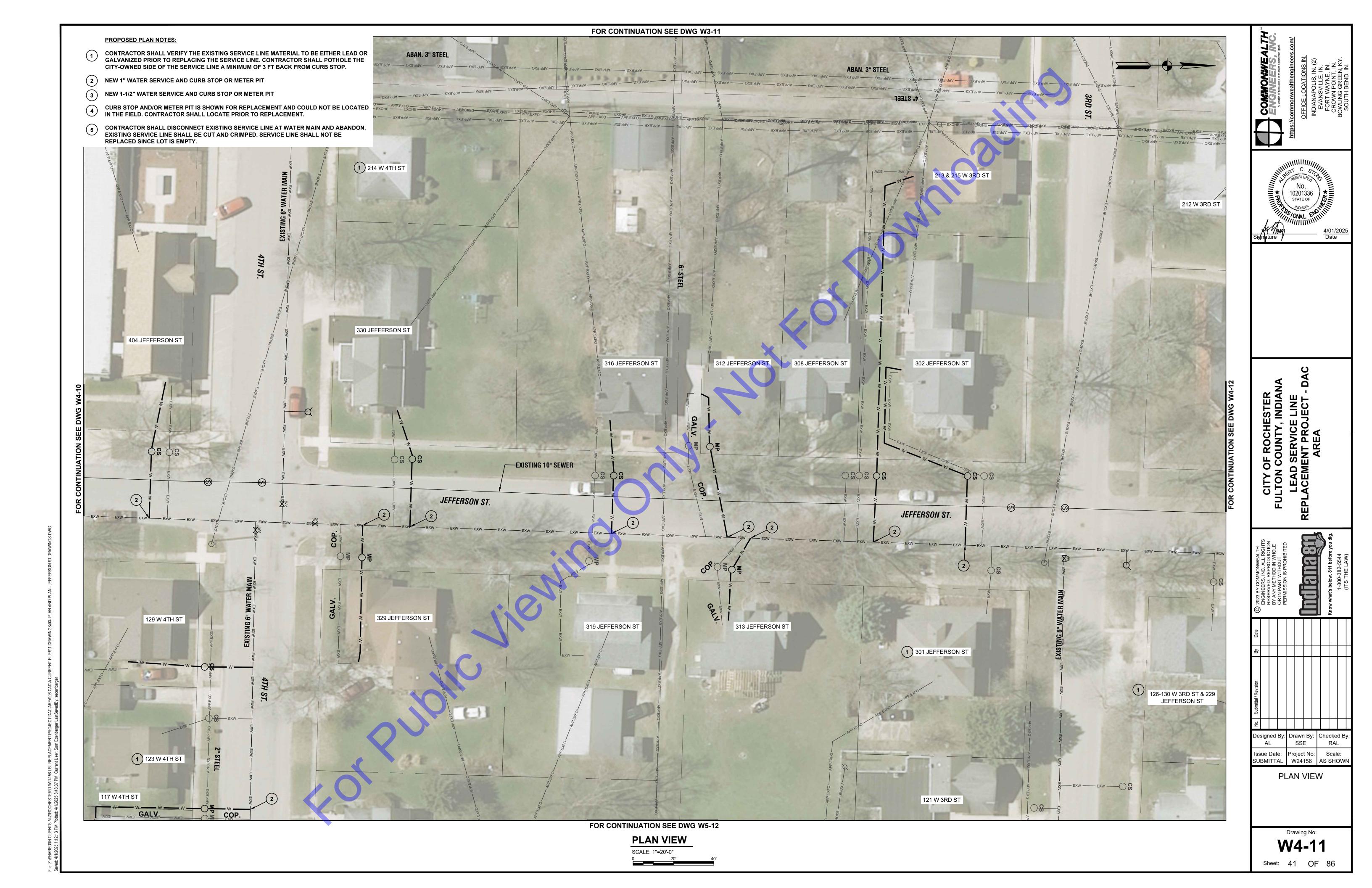
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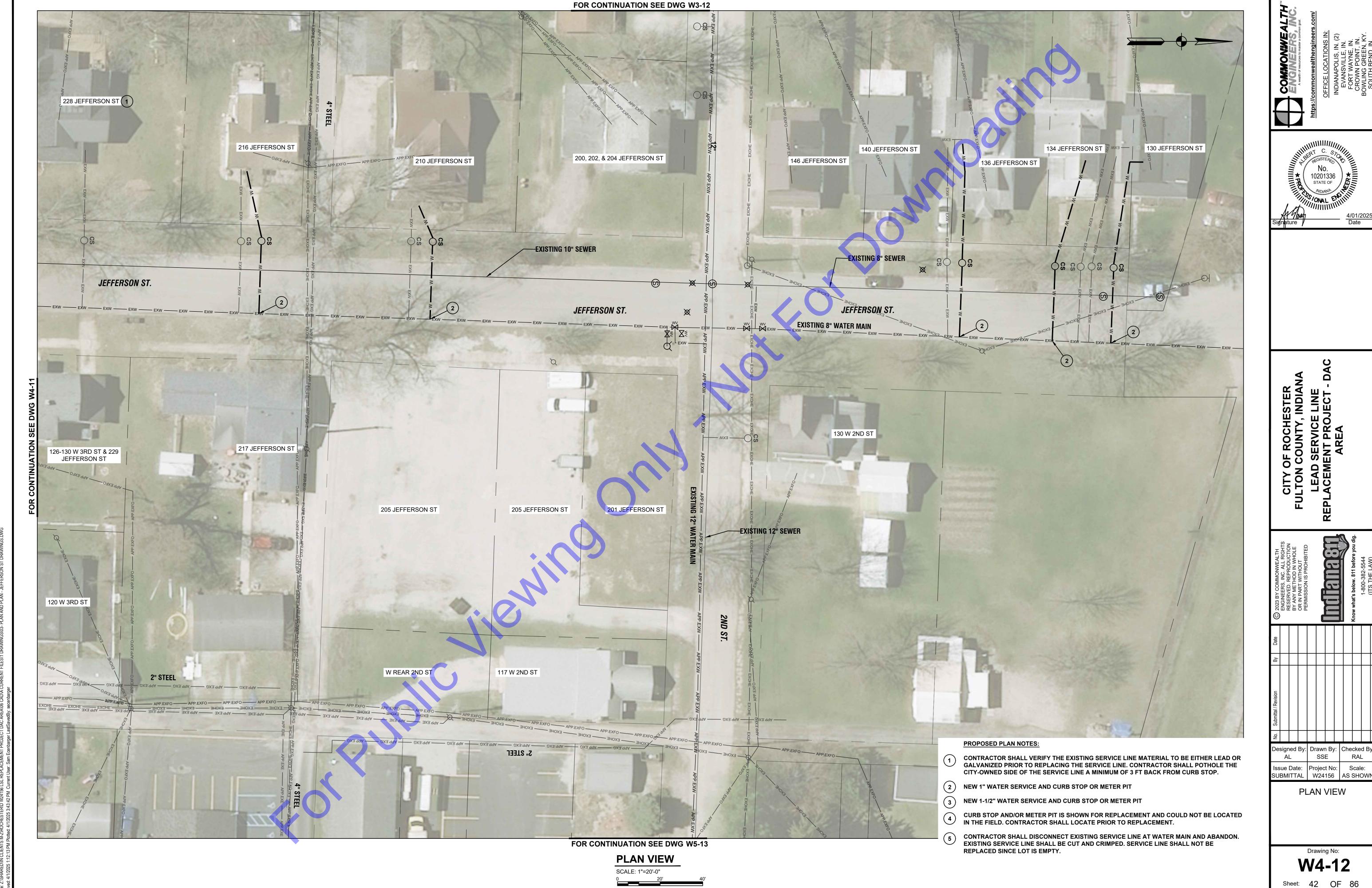




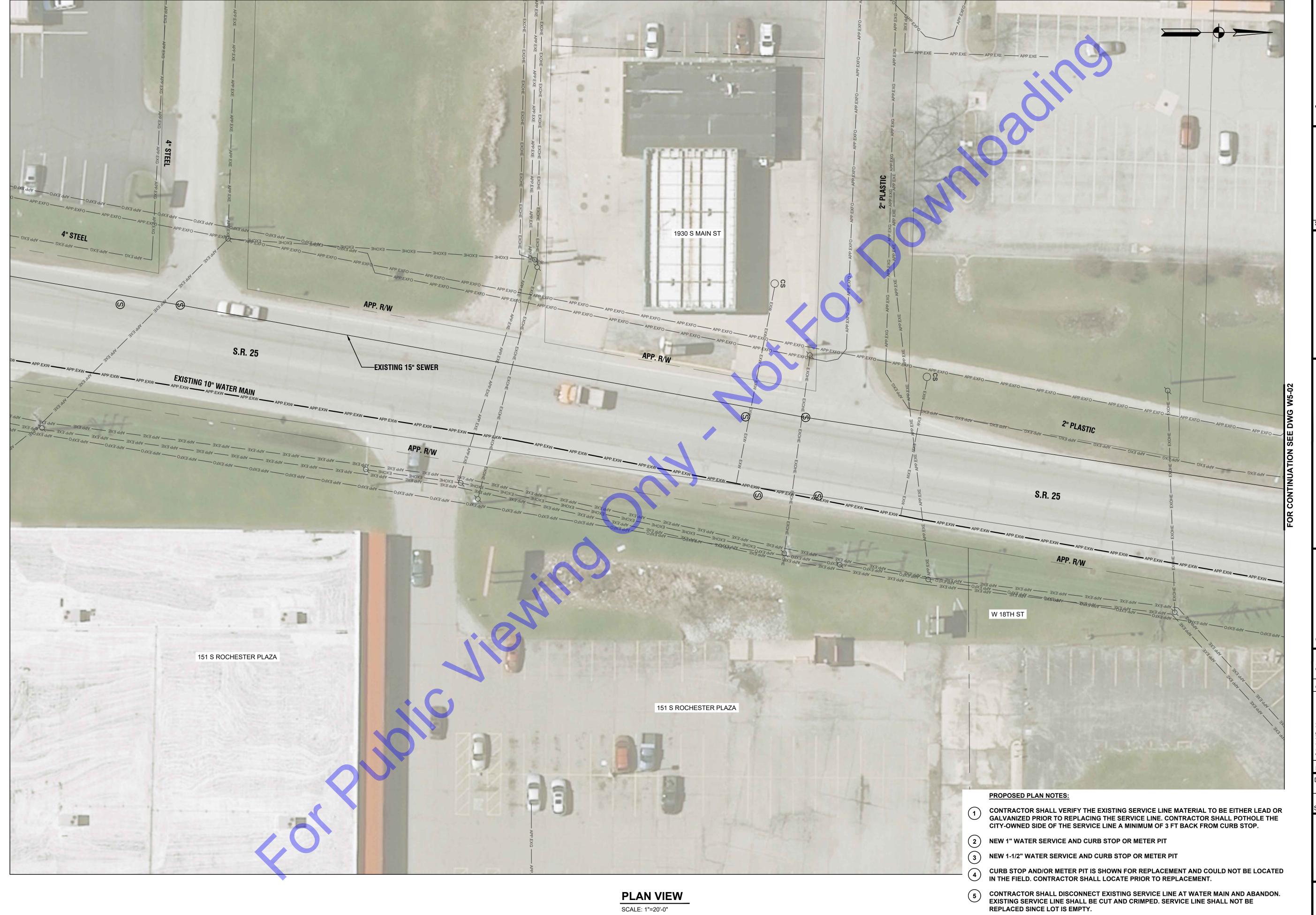
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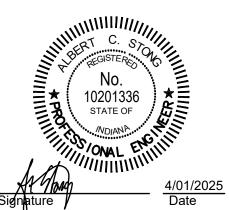






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CITY OF ROCHESTER
FULTON COUNTY, INDIANA
LEAD SERVICE LINE
EPLACEMENT PROJECT - DA
AREA

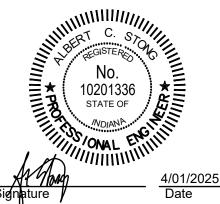
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**PLAN VIEW** 

W5-01

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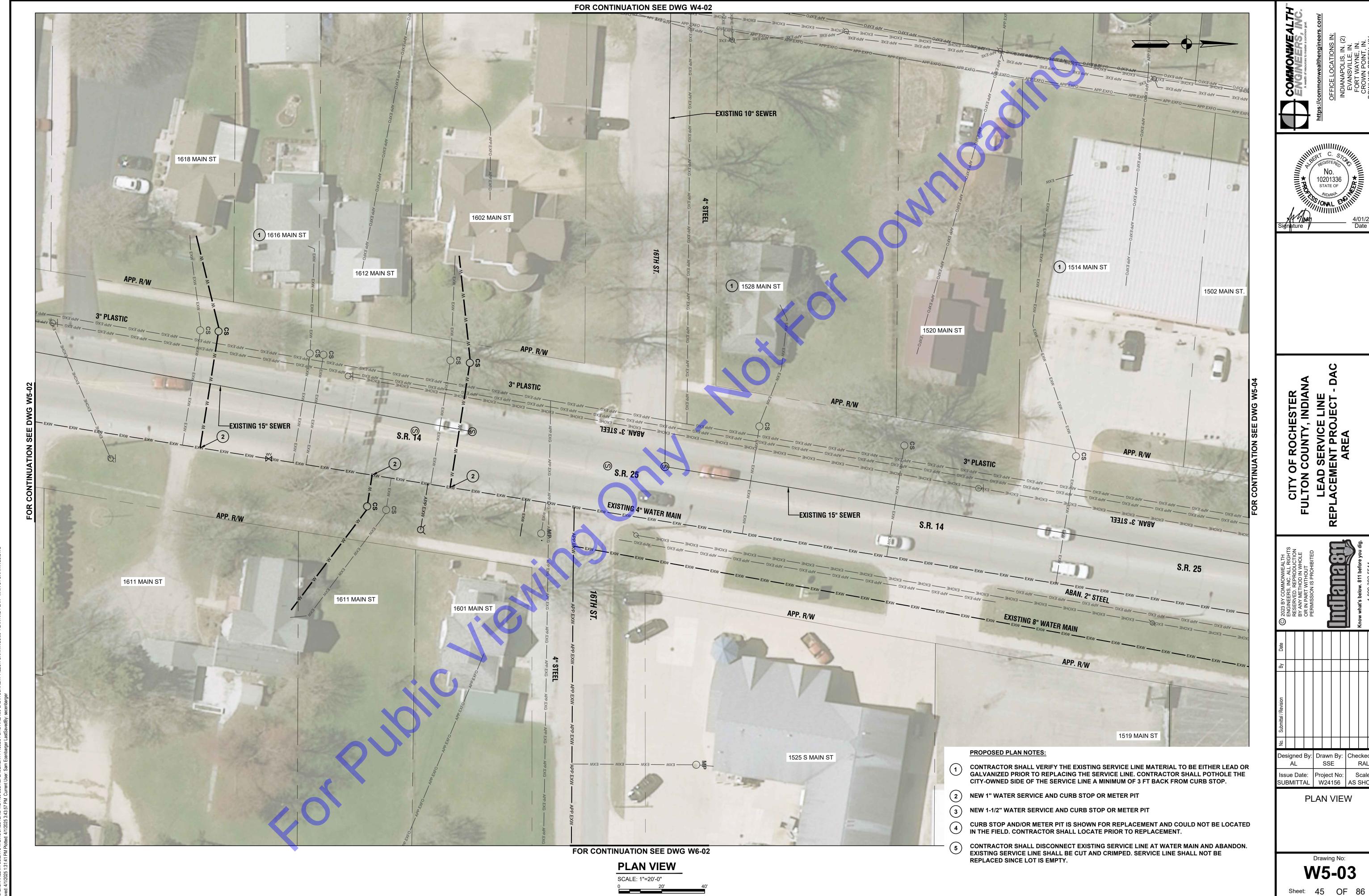


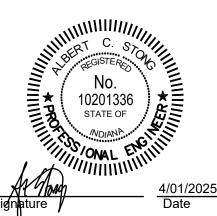


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Drawing No: W5-02

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W5-03





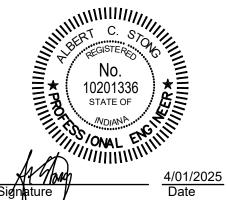
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PLAN VIEW

W5-04

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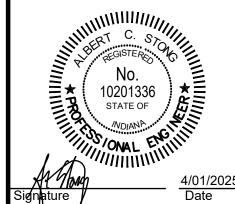


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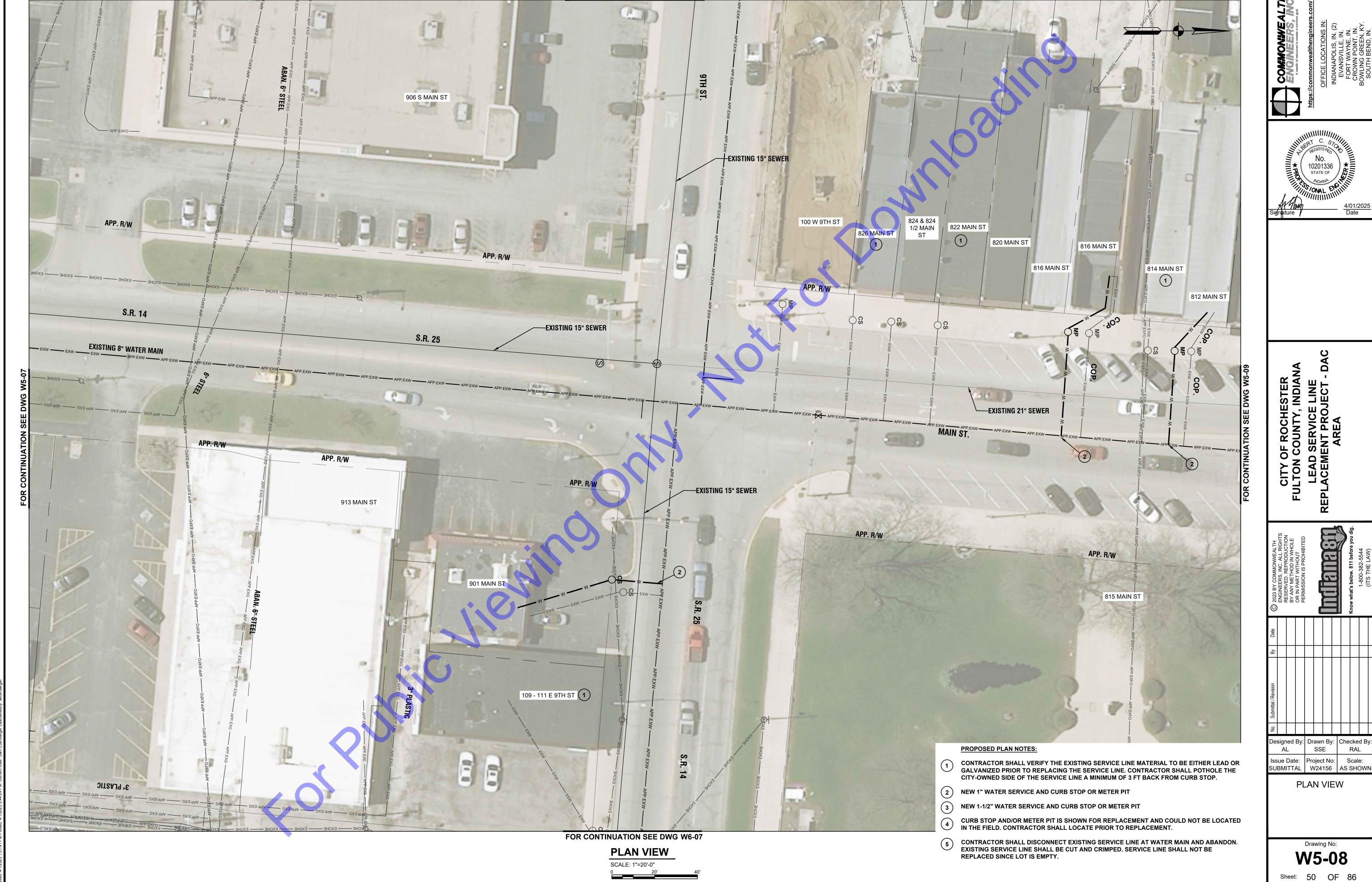


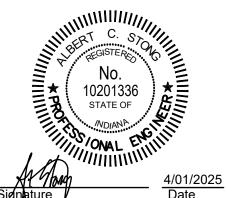
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**W5-07** 





W5-08



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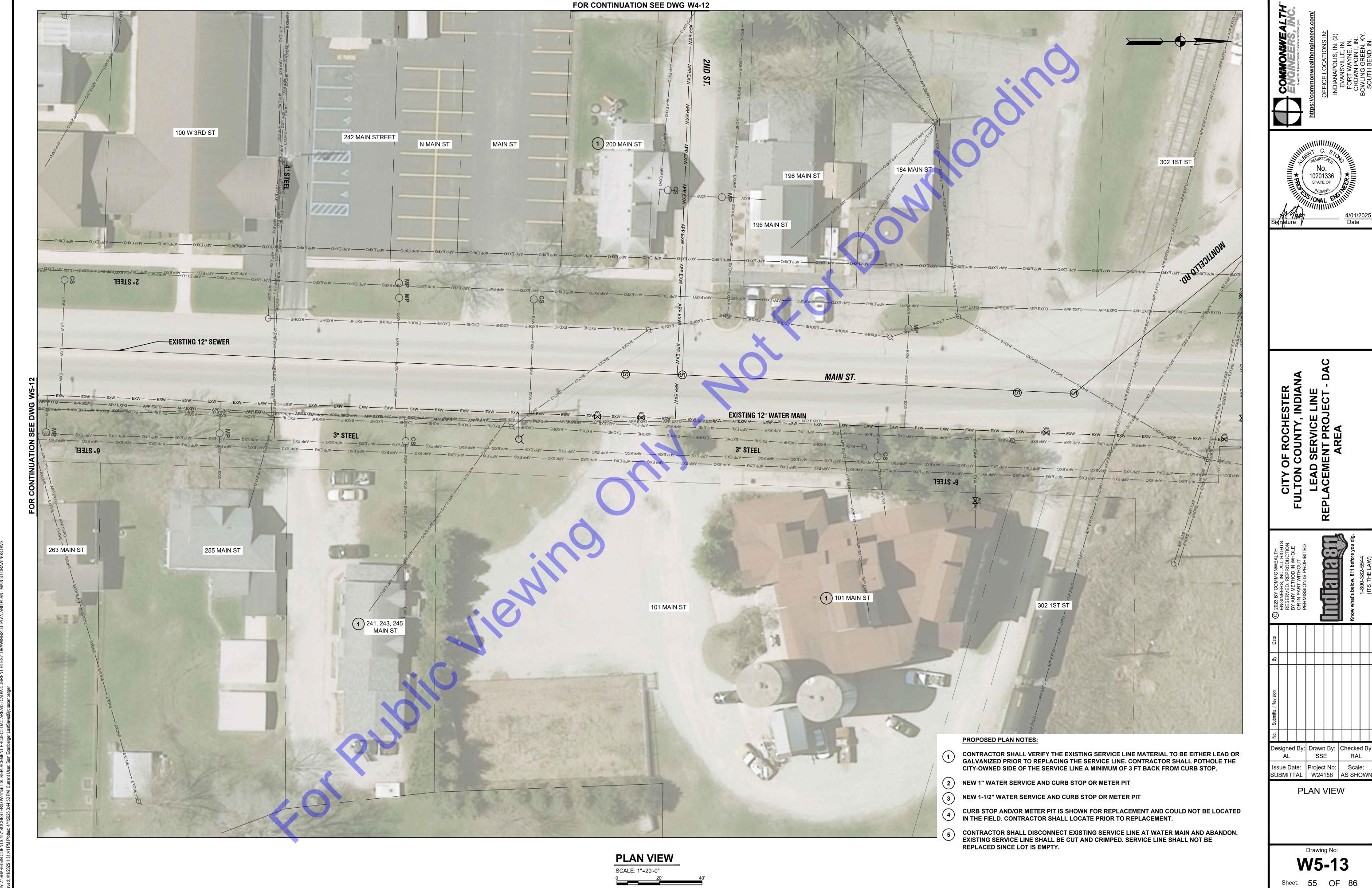


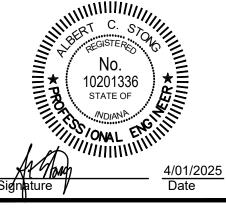


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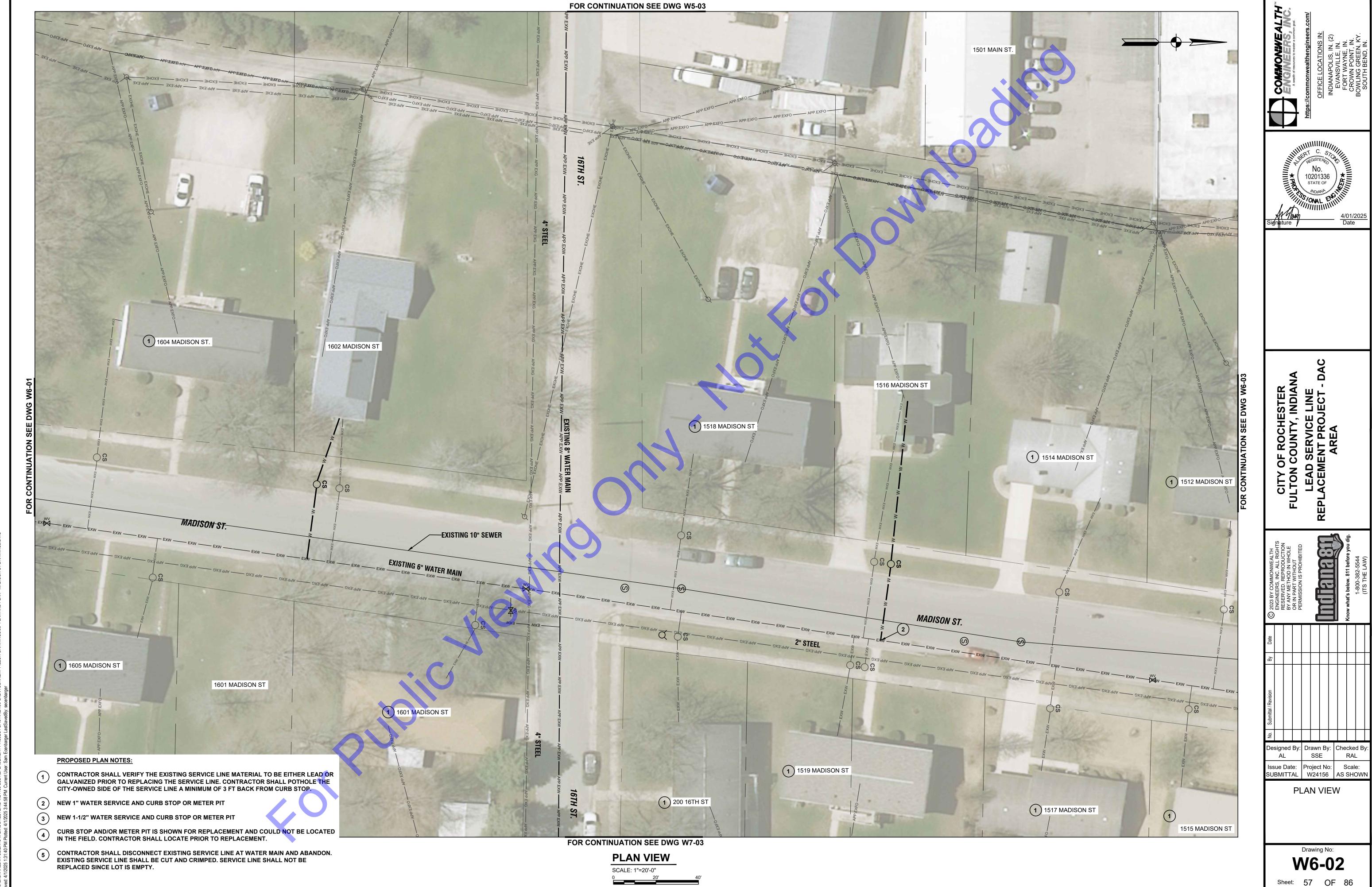
Sheet: 53 OF 86

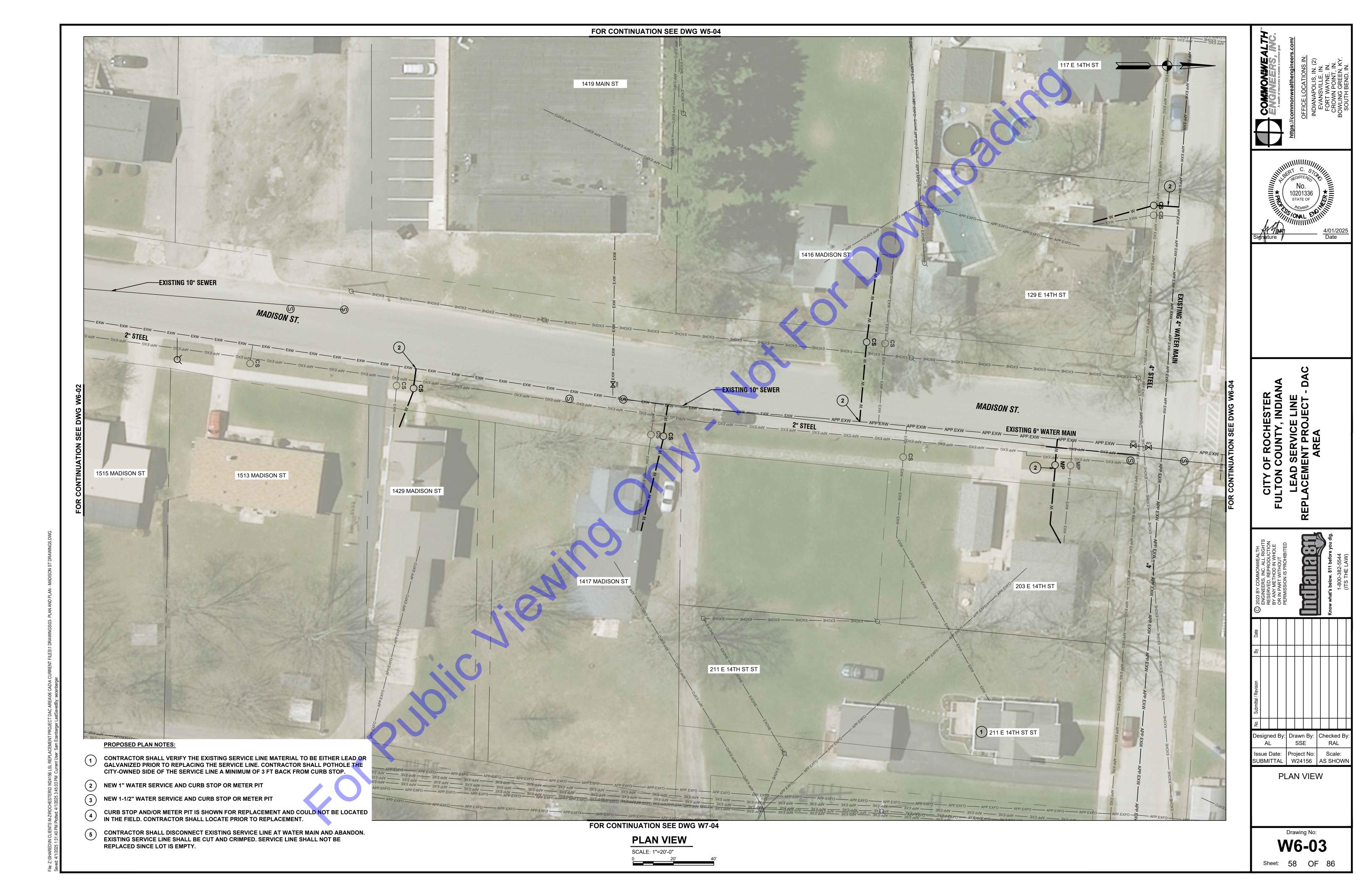


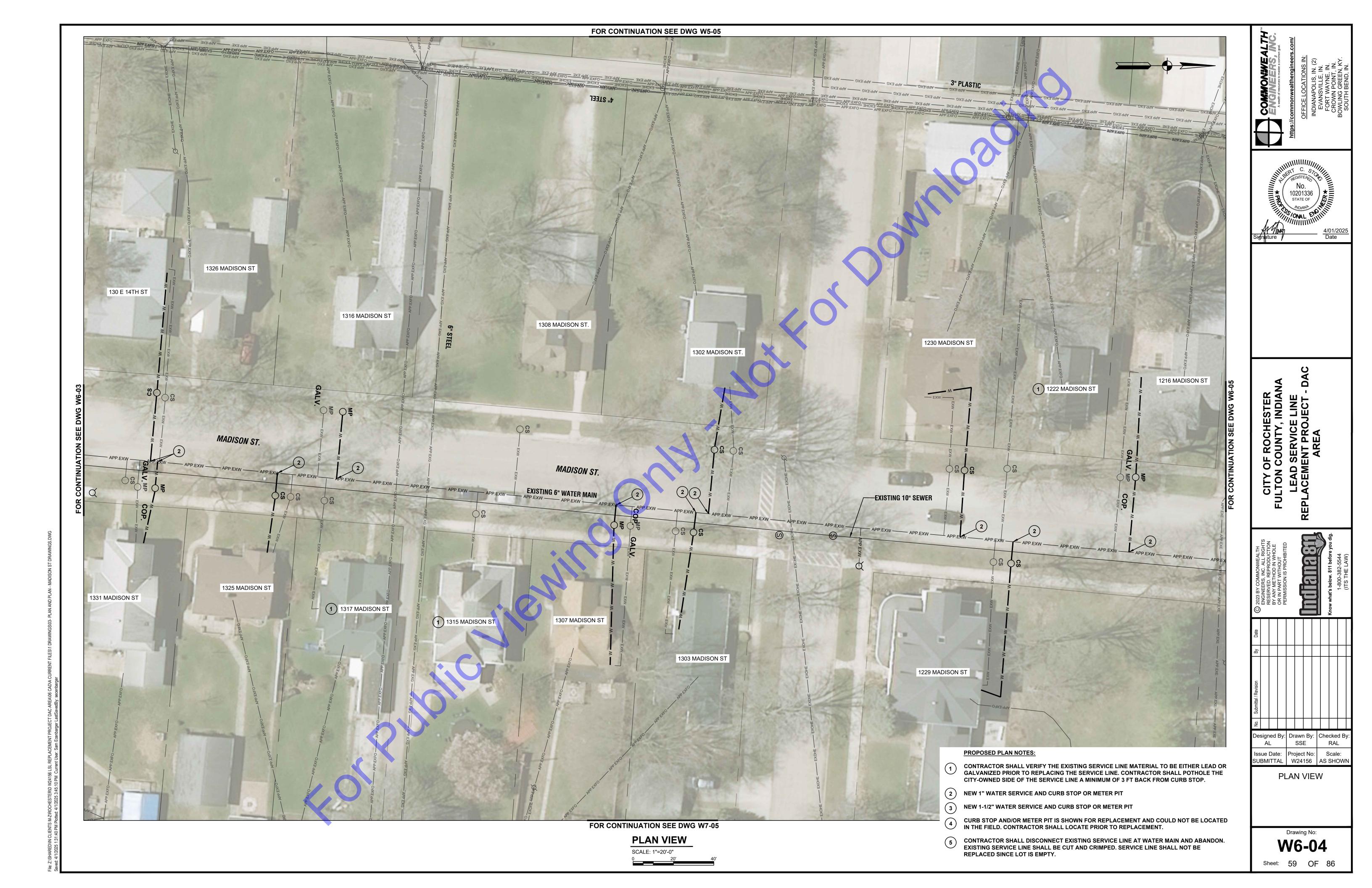




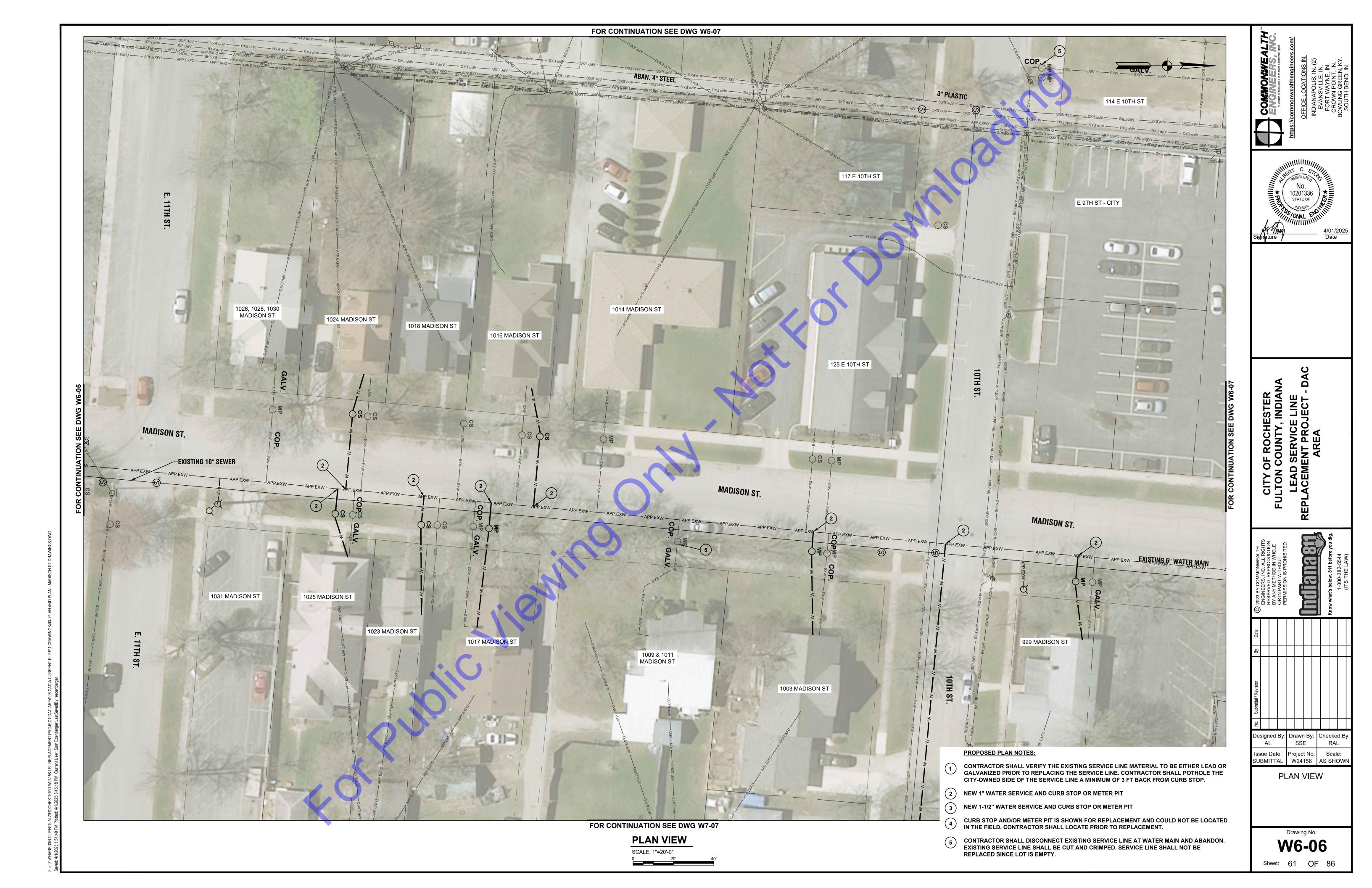


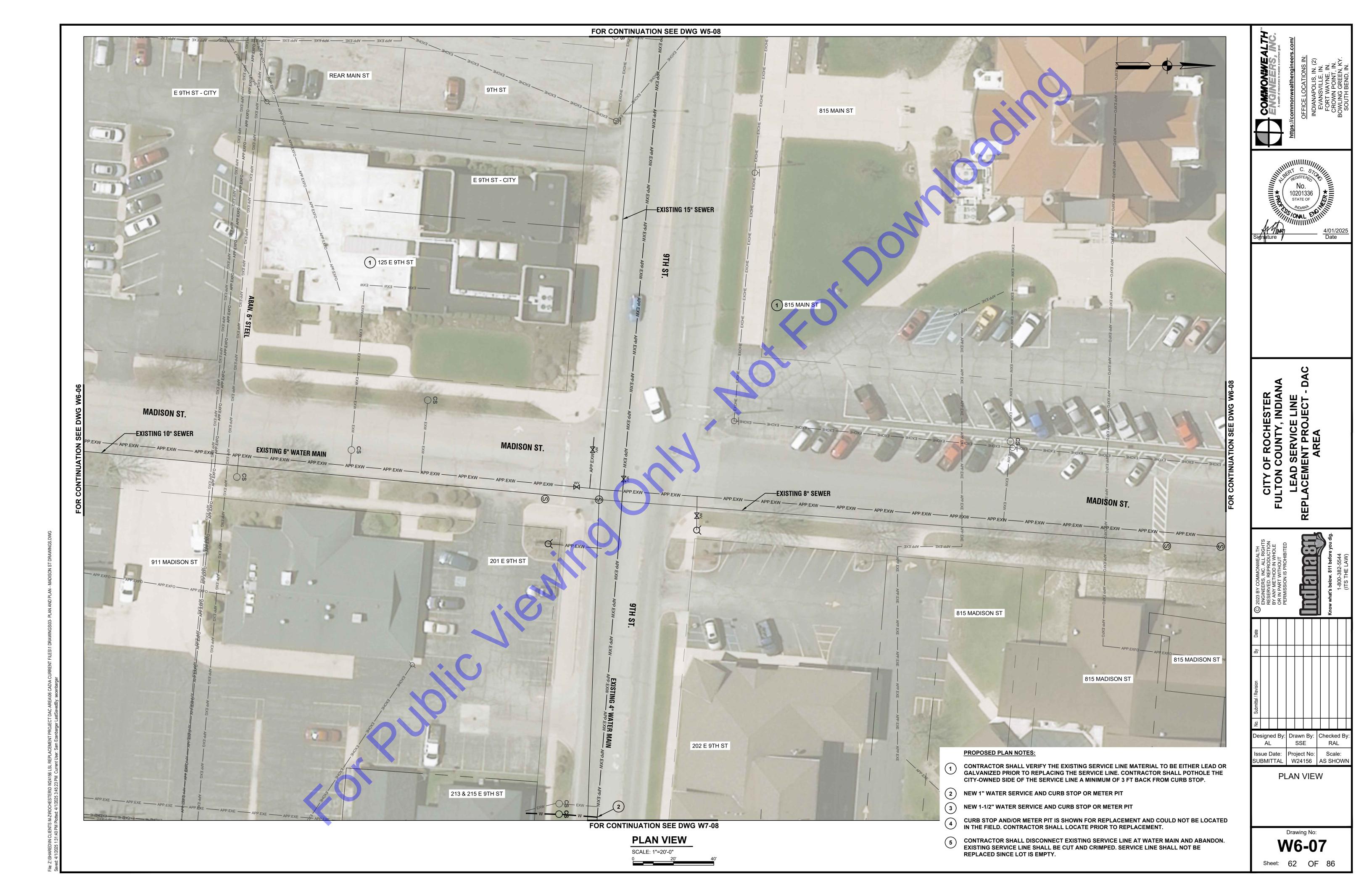


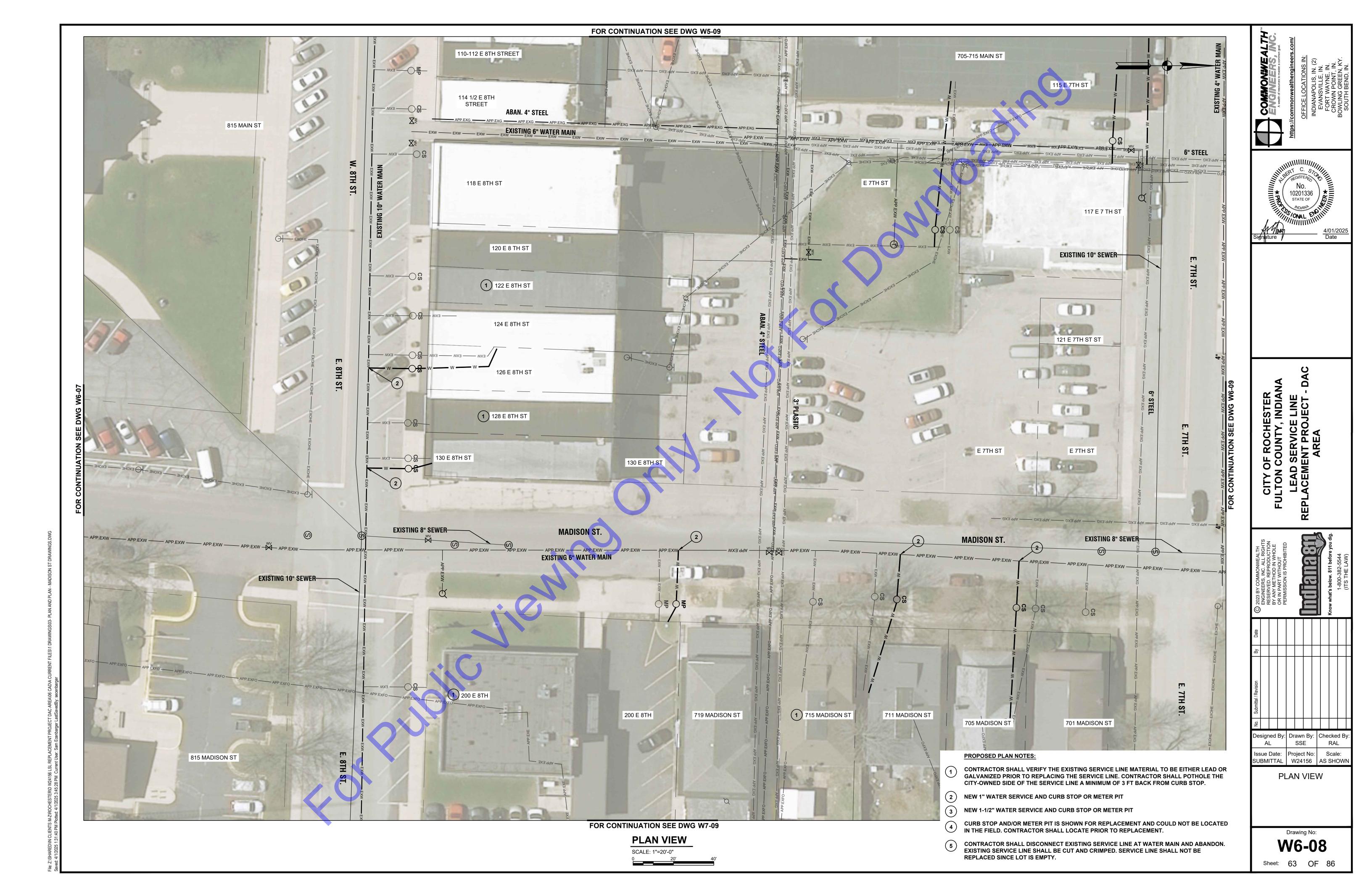




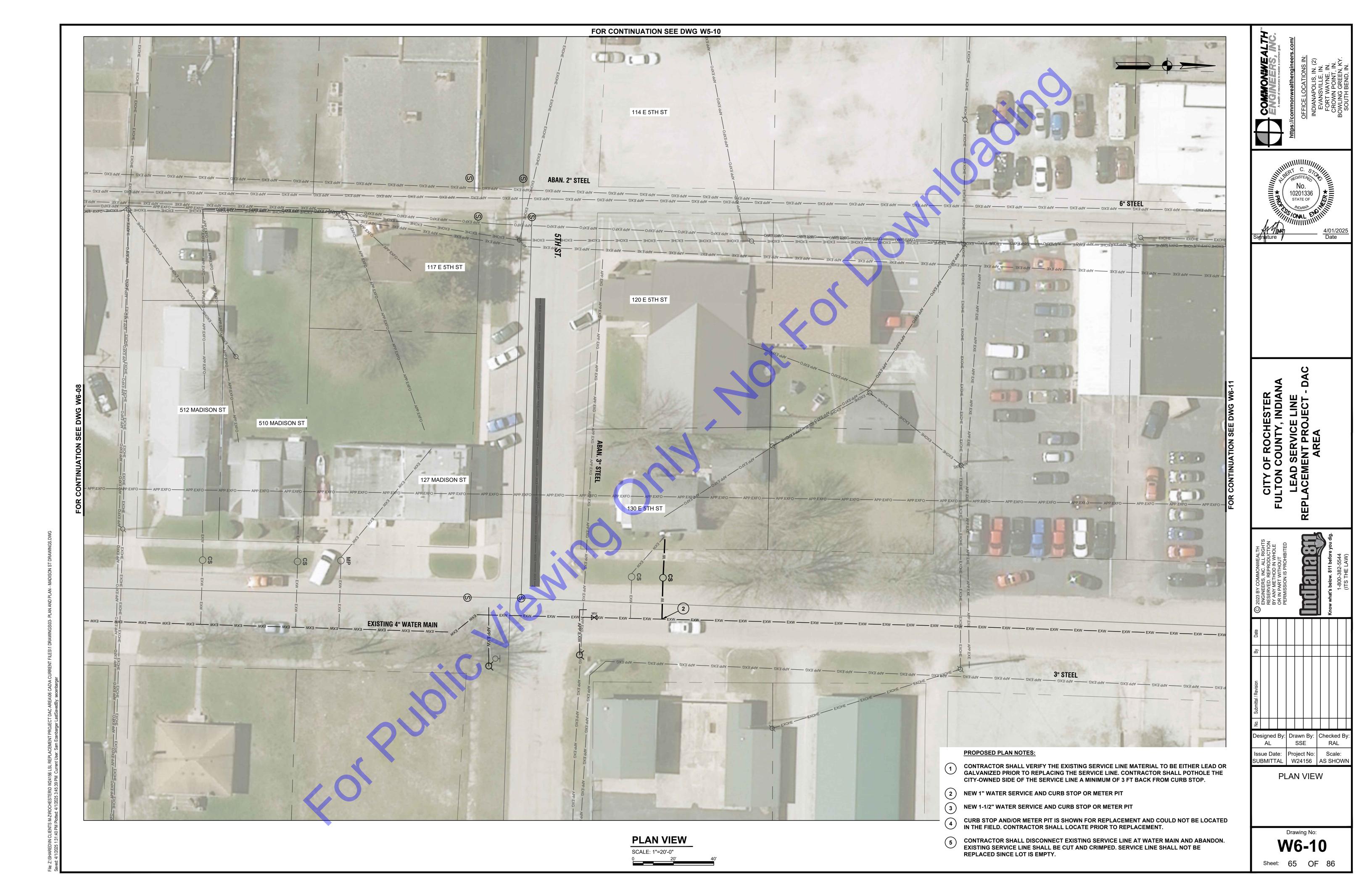




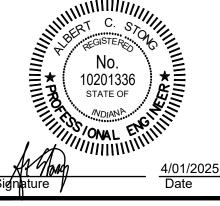








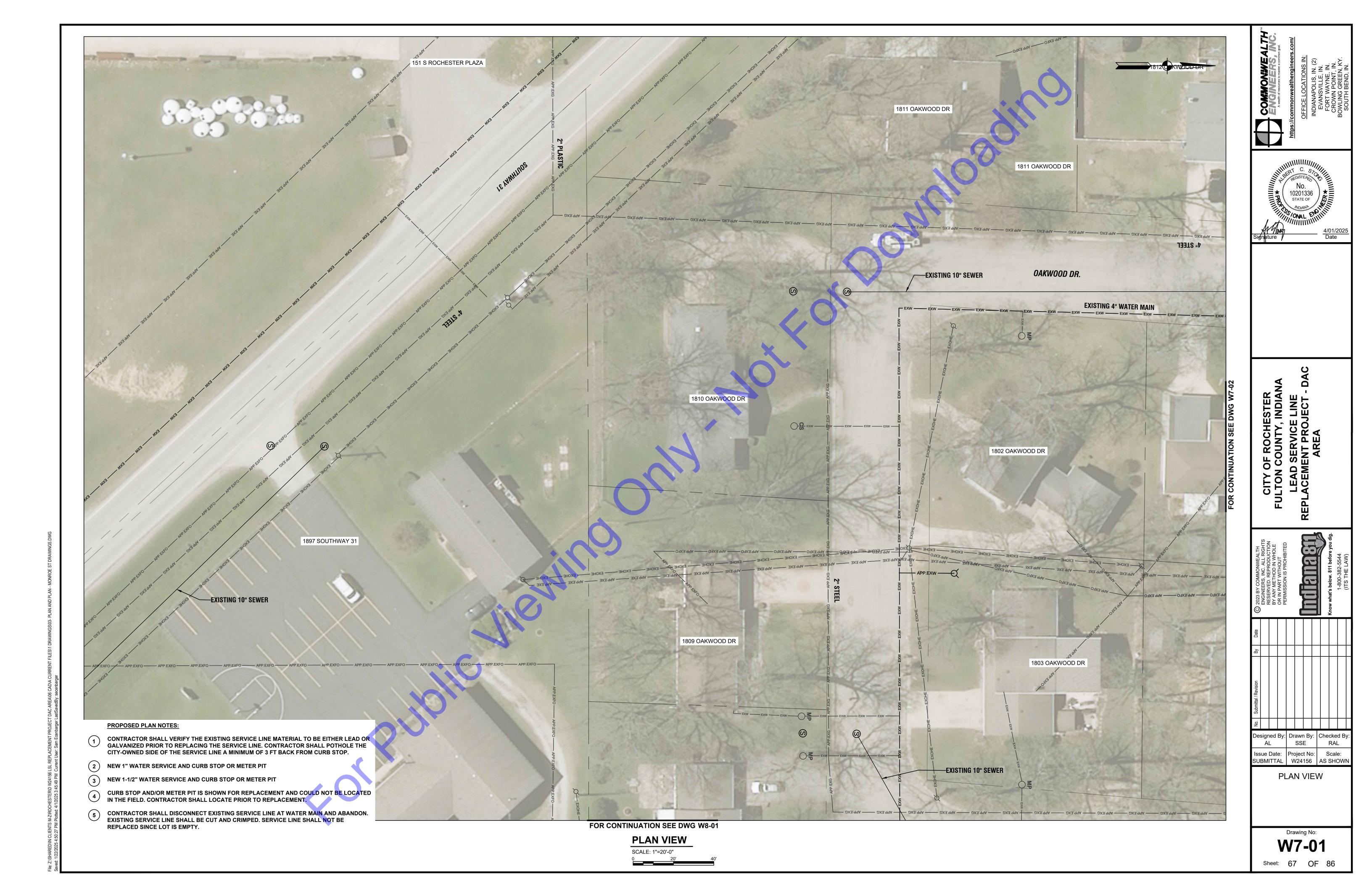




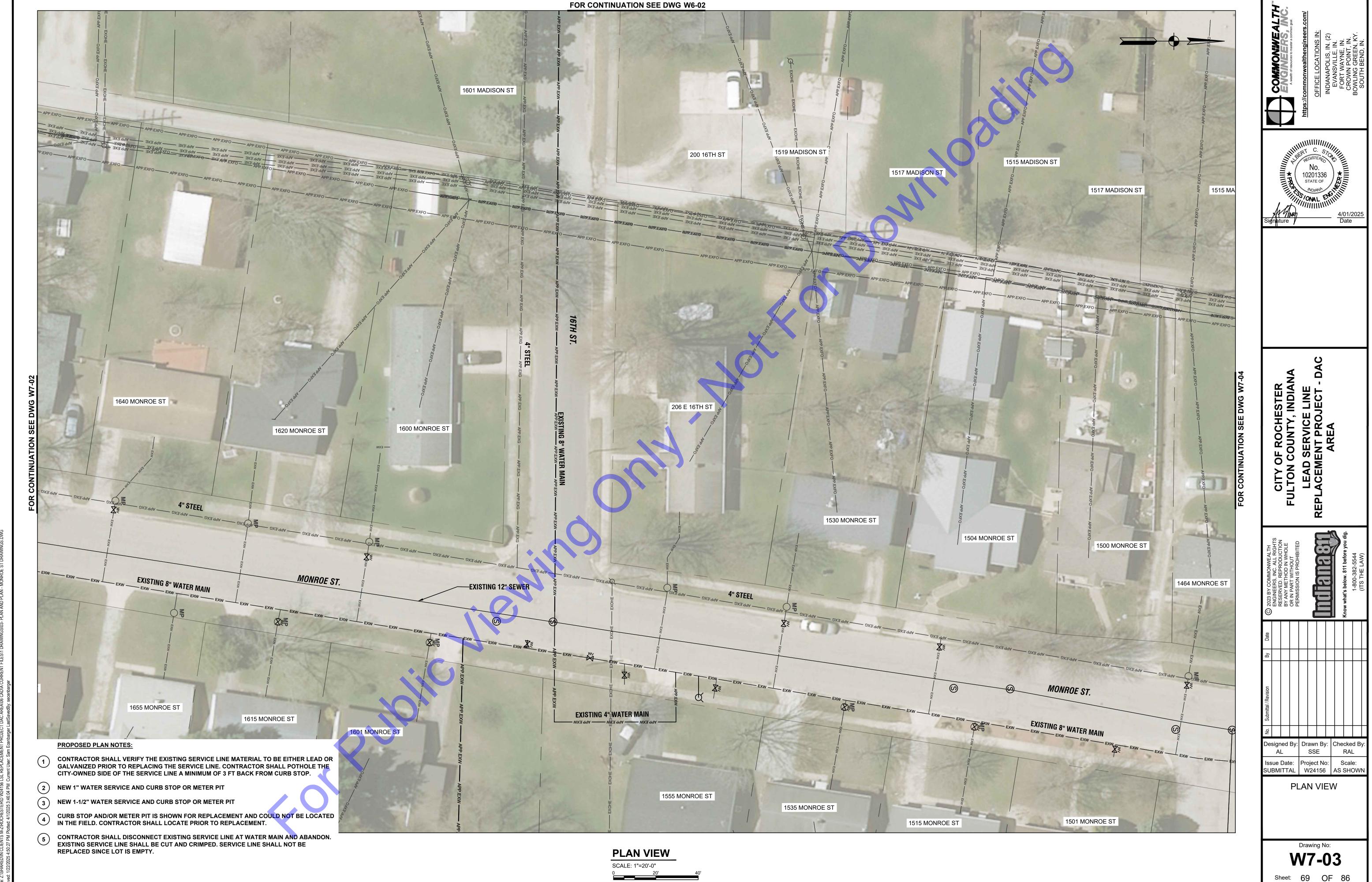
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W6-11

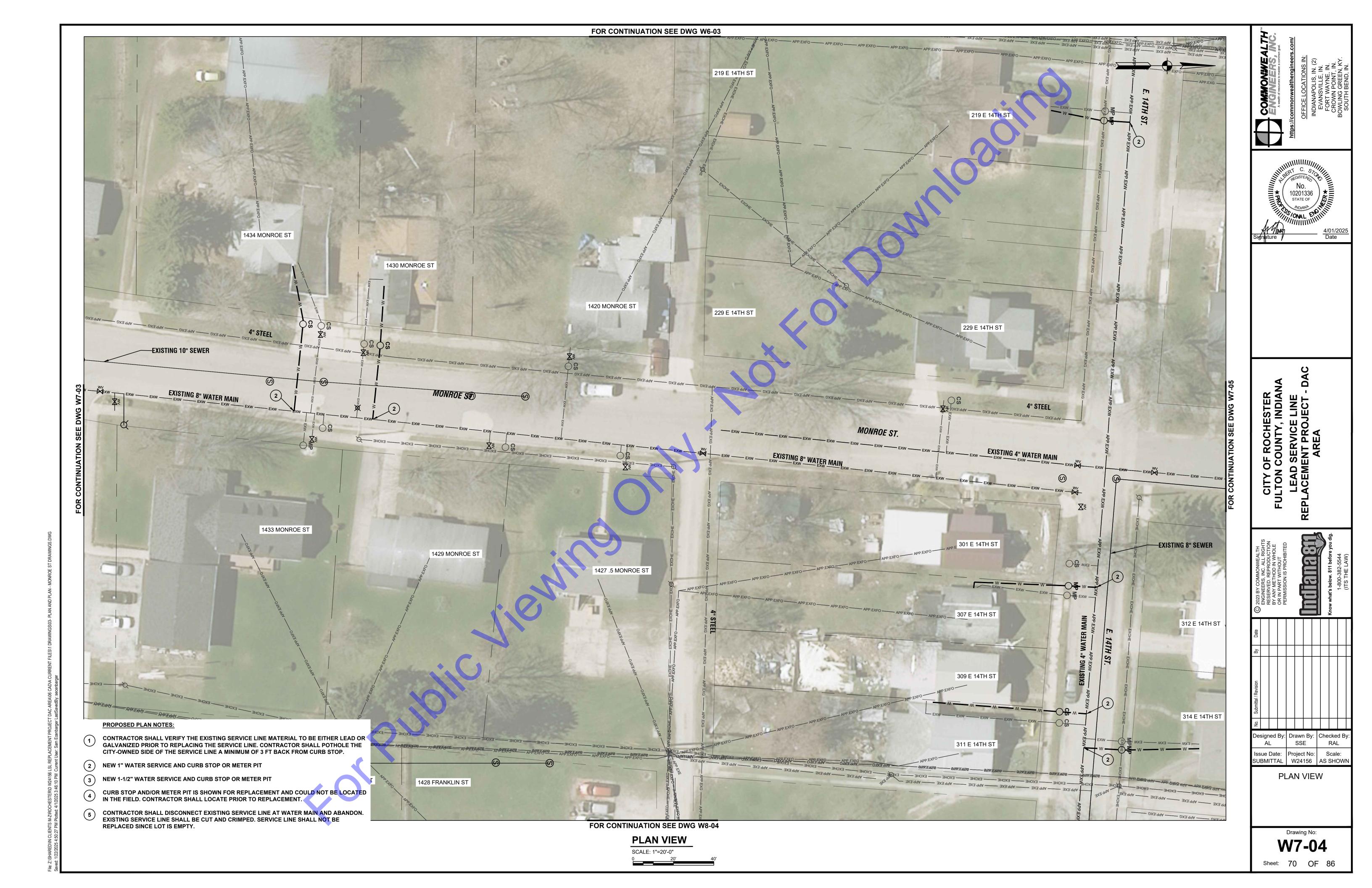
Sheet: 66 OF 86

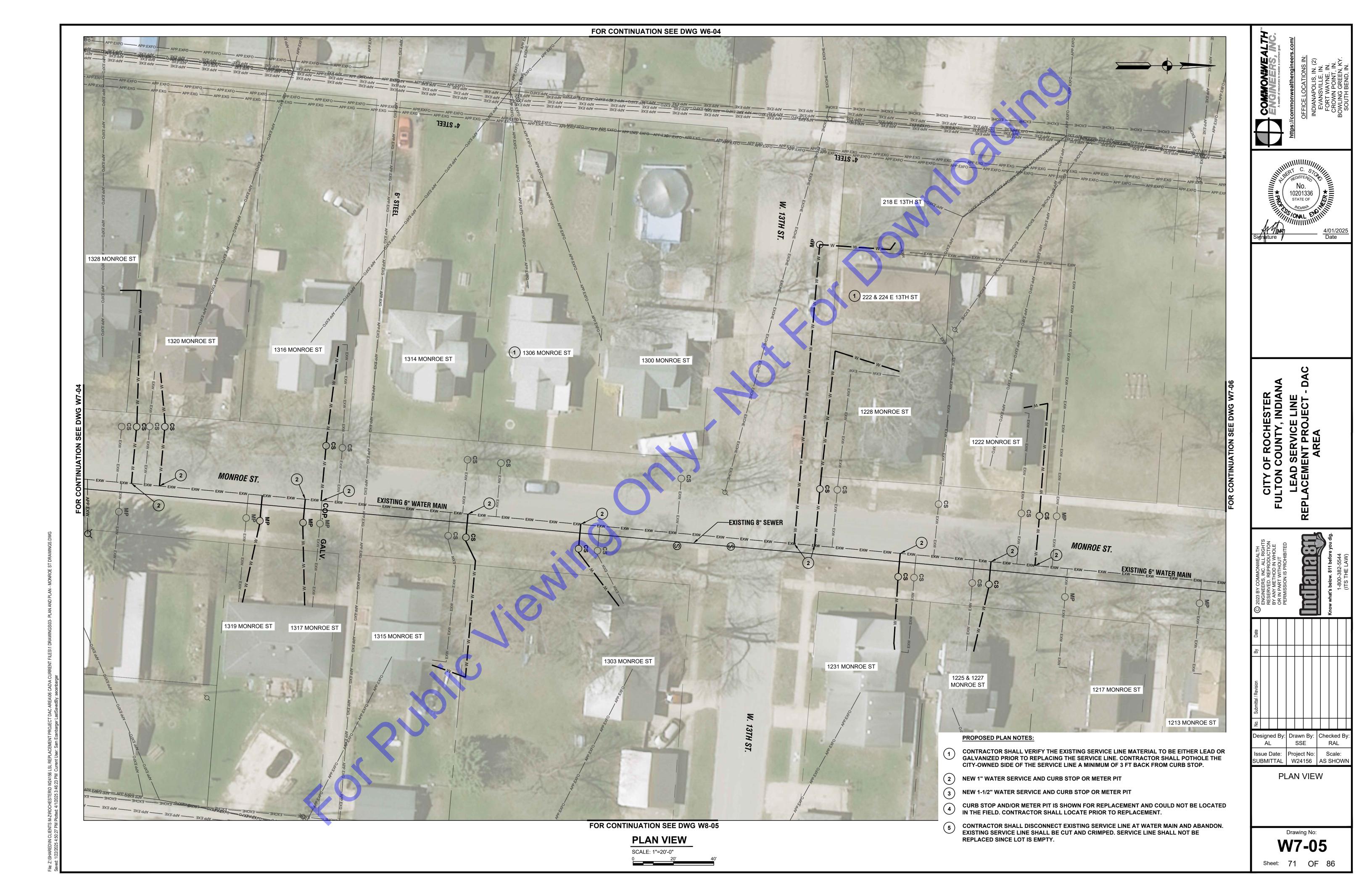


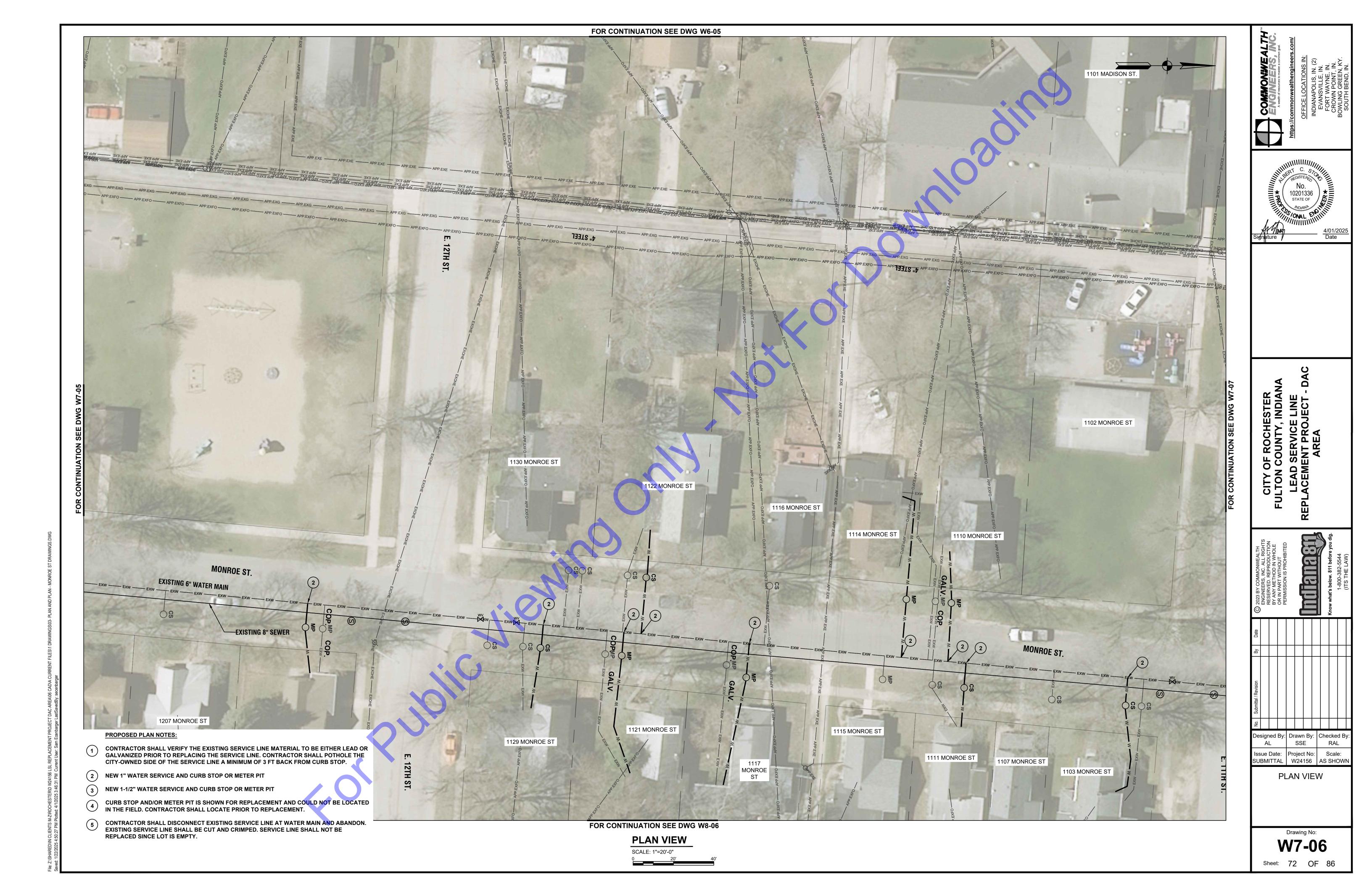


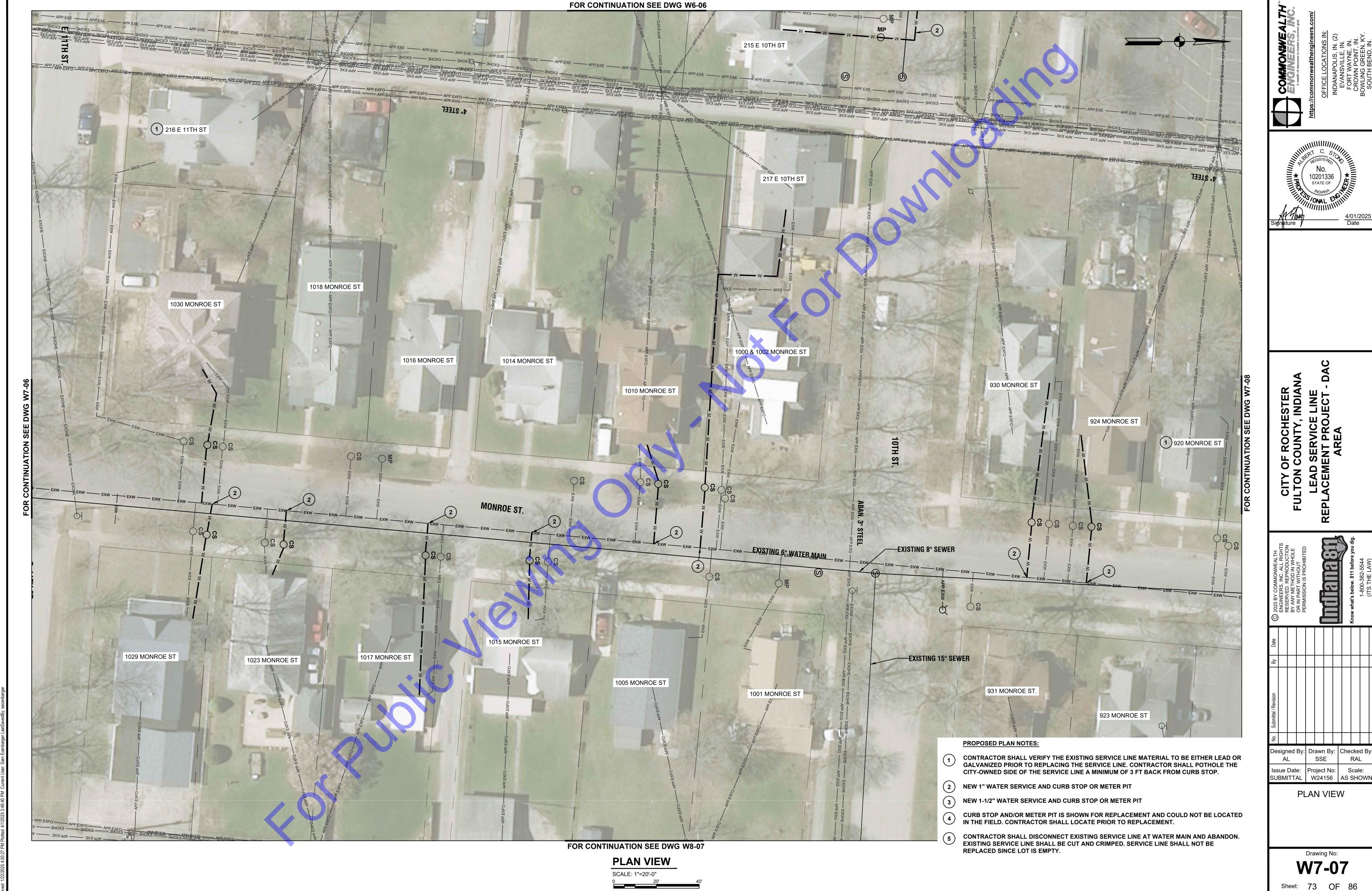


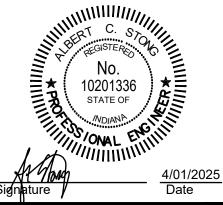
LIENTS M-ZIROCHESTERID W24156 LSL REPLACEMENT PROJECT DAC AREA\\06 CAD\A CURRENT FILES\\1 DRAWINGS\\03- PLAN /





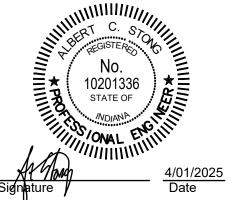






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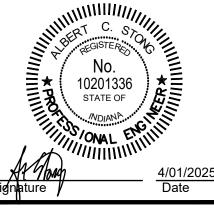


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PLAN VIEW

W7-08





W7-09

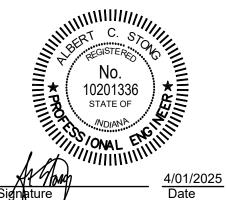
Sheet: 75 OF 86



FOR CONTINUATION SEE DWG W7-01

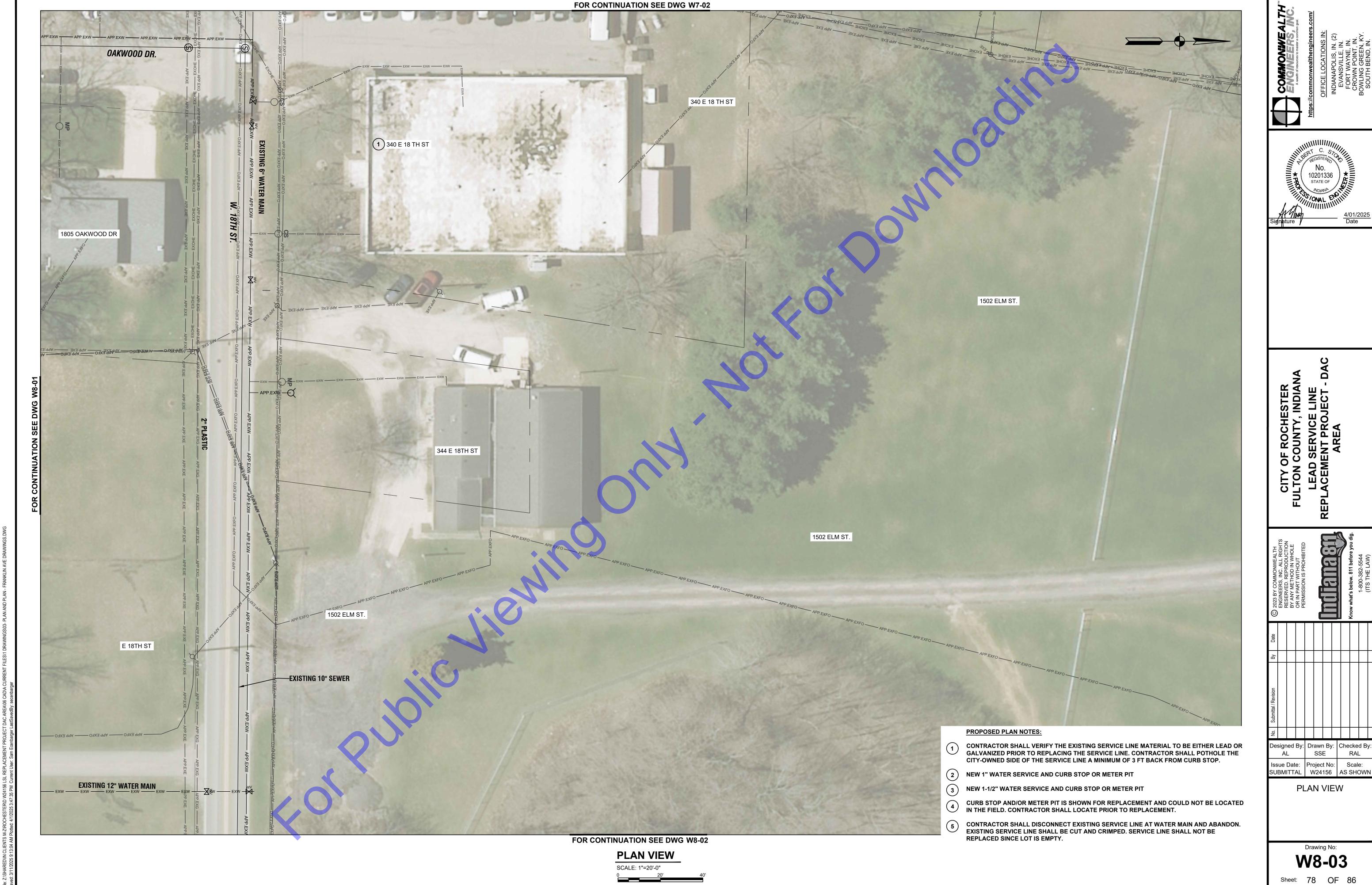
W8-01 Sheet: 76 OF 86

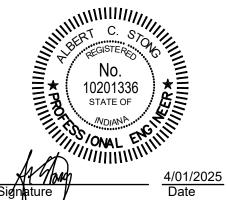




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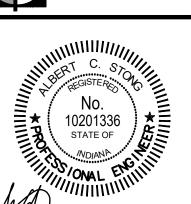


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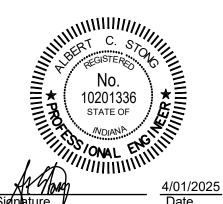




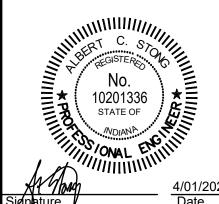


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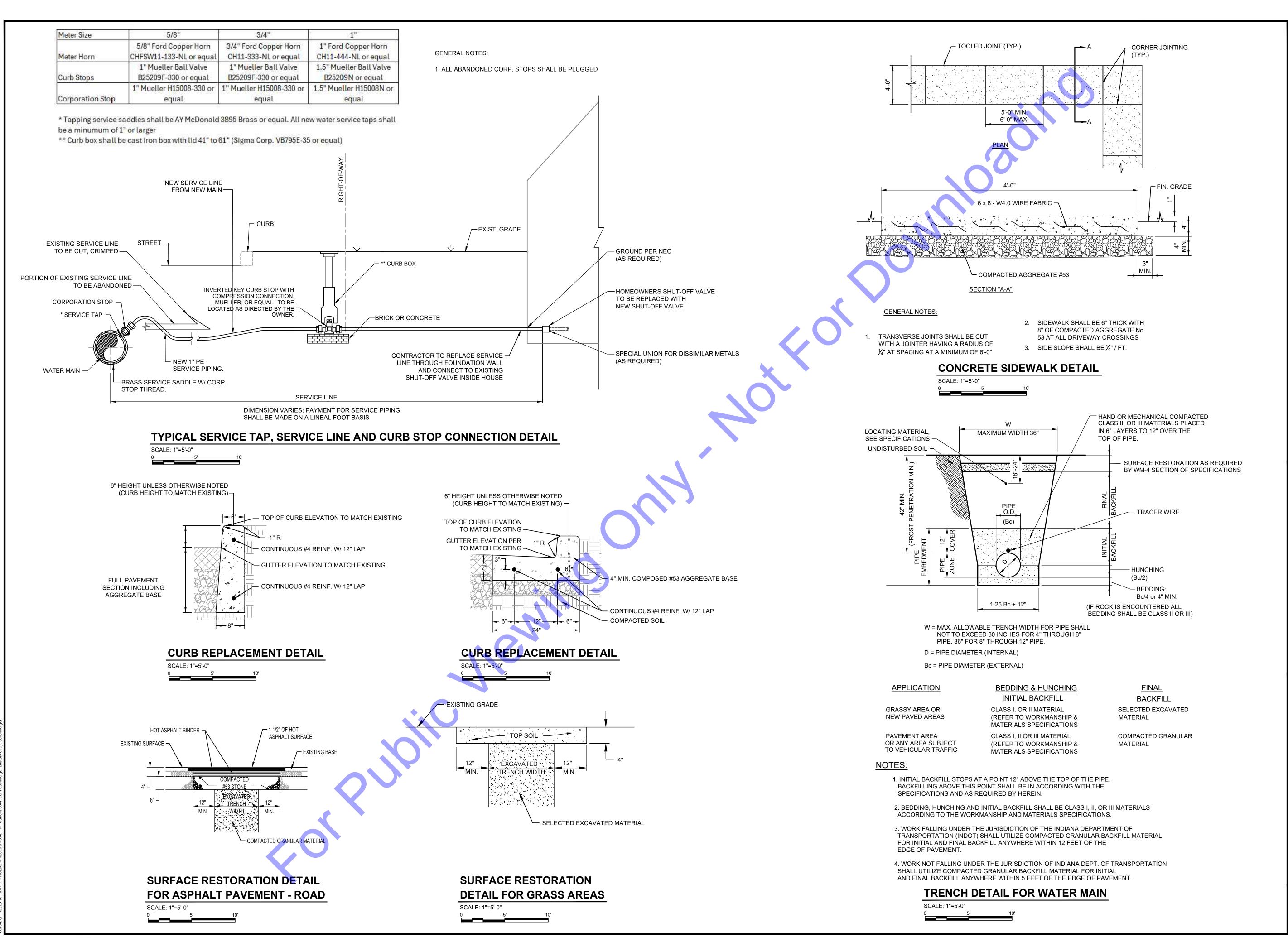


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**PLAN VIEW** 

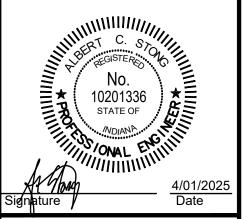
W8-08

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OFFICE LOCATIONS IN:
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FORT WAYNE, IN.
CROWN POINT, IN.
CROWN POINT, IN.



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LEAD SERVICE LINE
AREA
AREA

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MISCELLANEOUS DETAILS

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Sheet: 84 OF 86

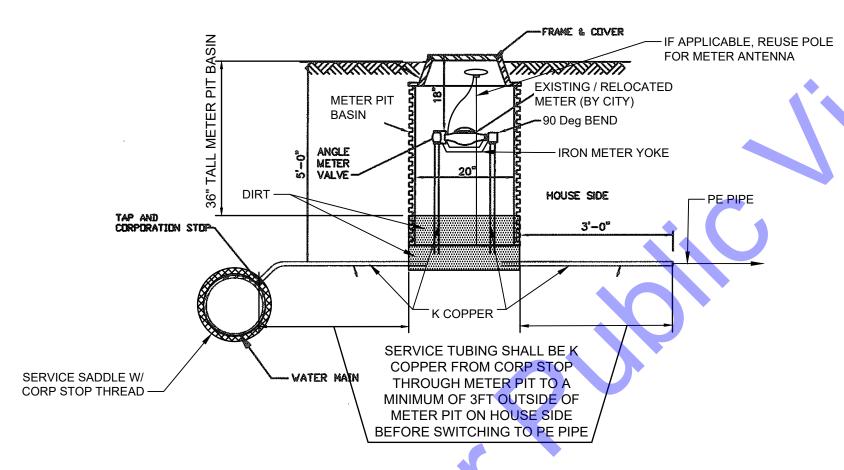
# TYPICAL WATER SERVICE REPLACEMENT PAY ITEMS DETAIL

### <u>NOTES</u>

PAYMENT FOR RESTORATION ITEMS OUTSIDE OF THE RIGHT OF WAY TO BE INCLUDED IN THE COST OF THE WATER SERVICE AS DETAILED IN THE SPECIFICATIONS. THIS INCLUDES RESTORATION FOR ALL ITEMS INCLUDING HARD SURFACES, GRASS AREAS, LANDSCAPING, ETC.

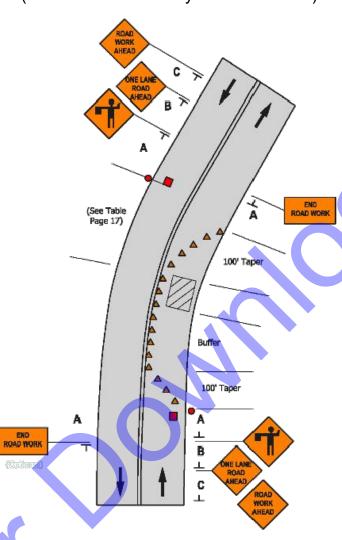
Meter Size	5/8"	3/4"	1"
Frame & Cover	Vestal Recessed 20" Ring	Vestal Recessed 20" Ring	Mueller 24" Ring & 20" Lid
	& 15" Lid 32-027	& 15" Lid 32-027	2420H10814
Meter Pit Basin	20" Dia. By 36" Tall	20" Dia. By 36" Tall	24" Dia. By 36" Tall
	Corrugated Plastic	Corrugated Plastic	Corrugated Plastic
Iron Meter Yoke	Mueller 5/8" Yoke H5010-	Mueller 3/4" Yoke H5030-	Mueller 1" Yoke H5040-330
	200 or equal	250 or equal	or equal
Angle Meter Valve	5/8" Mueller H14273-200N	3/4" Mueller B24273-250N	1" Mueller B24273-330N or
	or equal	or equal	equal
90° Bend	5/8" Mueller H14207-200N	3/4" Mueller H14207-250N	1" Mueller H14207-330N
	or equal	or equal	or equal
Corporation Stop	1" Mueller H15008-330 or	1" Mueller H15008-330 or	1.5" Mueller H15008N or
	equal	equal	equal

\* Tapping service saddles shall be AY McDonald 3895 Brass or equal. All new water service taps shall be a minumum of 1" or larger



WATER METER AND PIT DETAIL

## Lane Closure on a Two-Lane Road (Two Flagger Operation) (Short Term Stationary – 1 to 12 hours)

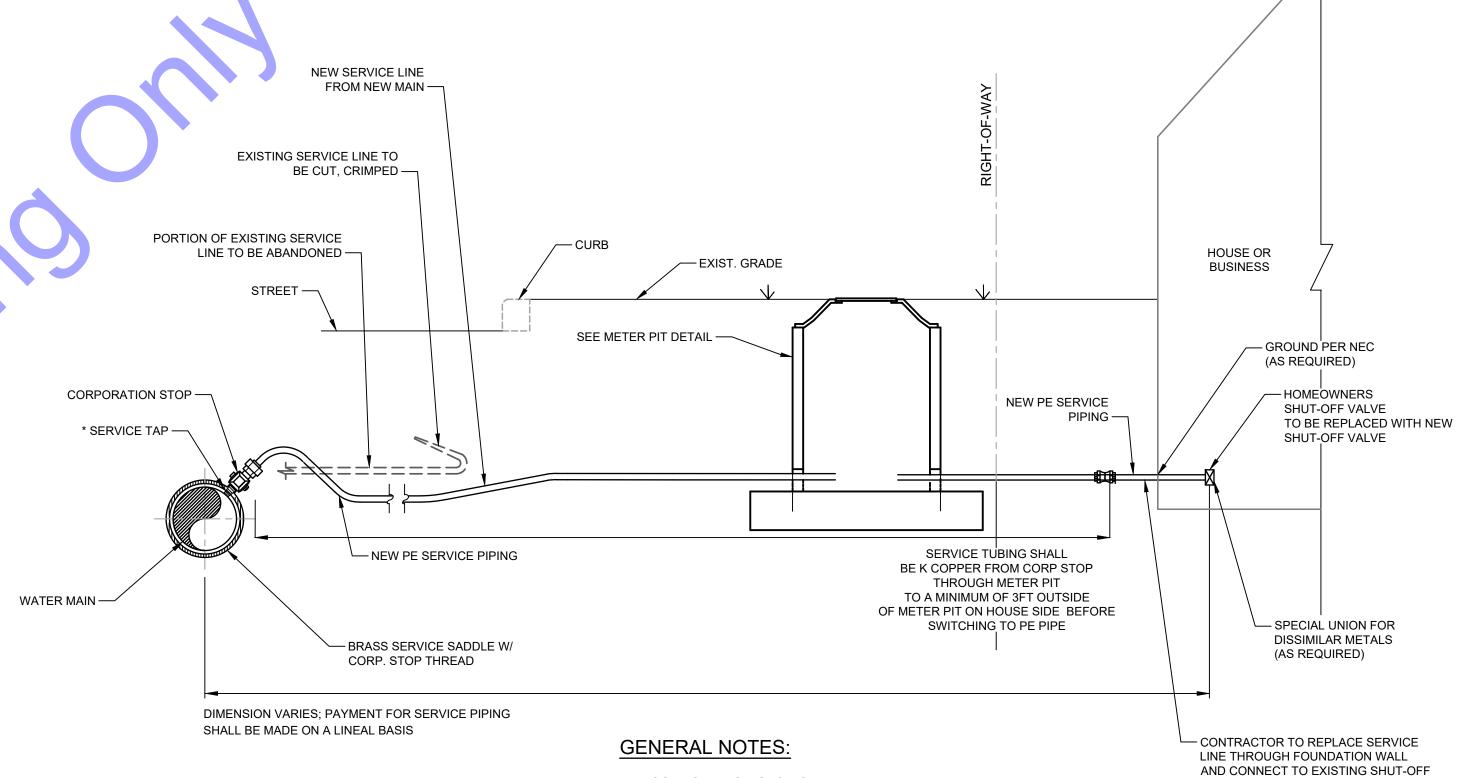


. The flaggers shall use approved flagging procedures according to the	Speed Limit	Sign S (ft	
IMUTCD and as shown on pg. 77.	(mph)	Α	В
2. If there is a side road intersection within the work area, additional traffic	25	100	10
control, such as flaggers and	30	100	10
appropriate signage, shall be used on	35	350	35
the side road approaches.	40	350	35
3. If the work area is in or adjacent to a horizontal or vertical crest curve, the	45	500	50
huffer an acceptable by extended as	<b>5</b> 0	F00	<b>Γ</b> Ο

Notes:

buffer spaces should be extended so that the two-way taper is placed before 500 500 500 520 the curve to provide better sight 1000 1600 2640 600 distance for the flagger.

4. If portable rumble strips are used, they must be placed adjacent to the ONE LANE ROAD AHEAD signs.



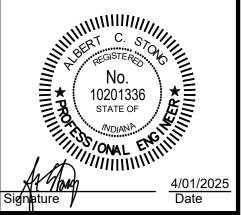
1. CORPORATION STOP SHALL BE MUELLER.

2. NEW METER PIT SHALL HAVE ANGLE SHUT OFF ON CITY SIDE OF PIT.

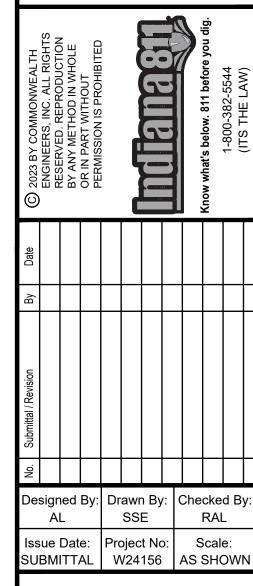
VALVE INSIDE HOUSE

3. ALL ABANDONED CORP. STOPS SHALL BE PLUGGED.

TYPICAL SERVICE TAP, SERVICE LINE AND METER PIT RECONNECTION DETAIL SCALE: N.T.S.



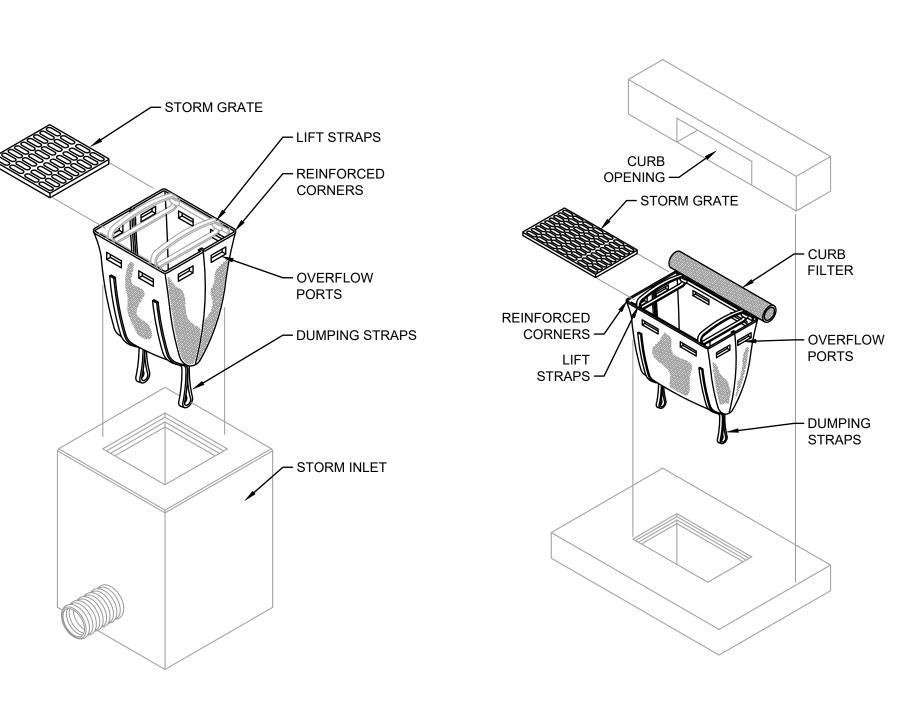
CITY OF ROCHESTER
FULTON COUNTY, INDIANA
LEAD SERVICE LINE
PLACEMENT PROJECT - DA
AREA



MISCELLANEOUS **DETAILS** 

MD2

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MIN. 18" DEPTH INTO SOIL WOOD LATHE STRIP TO SANDWICH FABRIC AS NEEDED -— 36" MAX. HT. **GEOTEXTILE FABRIC ABOVE** GROUND STAPLE MATERIAL TO POST COMPACTED SOIL **OVER MATERIAL** DITCH SIDE TRENCH SIDE TIE BACK BETWEEN **GENERAL NOTES:** FENCE POST AND ANCHOR -1. SILT FENCES SHOULD BE INSTALLED PRIOR TO MAJOR SOIL DISTURBANCE. 2. FENCES SHALL BE INSTALLED BETWEEN THE ANCHOR STAKE TRENCH AND ANY DRAINAGE DITCHES OR SWALES. MATERIAL EXTENDED FENCES SHALL ALSO BE INSTALLED AROUND THE INTO TRENCH STOCKPILED SOILS.

4. THE GEOTEXTILE SHALL BE FREE FROM DEFECTS, TEARS, PUNCTURES, FLAWS, DETERIORATION OR DAMAGE INCURRED DURING MANUFACTURE, TRANSPORTATION, STORAGE, OR INSTALLATION.

5. TIE BACKS SHALL BE PLACED AS REQUIRED.

- NOMINAL 2"x2" POST

2" X 2" WOOD OR STEEL FENCE POST W/ PROJECTION TO FASTEN FABRIC SPACING 6' O.C. FILTER FABRIC -WOVEN OR NON-WOVEN -NO JOINTS ALONG LENGT -STAPLE OR WIRE TO POSTS -(AND WIRE FENCE IF USED) 8"D X 4"W TRENCH TO BE BACKFILLED AND COMPACTED **UPSLOPE** DOWNSLOPE

- THE BOTTOM 1' OF THE FENCE SHALL BE BURIED IN THE TRENCH ON THE UPSLOPE SIDE.
- 2. FENCE SHALL BE INSTALLED ALONG LEVEL GRADES, NOT ACROSS FLOW CHANNELS.
- 3. IF OPTIONAL SUPPORT WIRE FENCE IS USED, POST SPACING MAY BE EXTENDED TO 8' O.C.

- INSPECT SILT FENCE PERIODICALLY (WEEKLY) AND AFTER EACH STORM EVENT. 2. IF FABRIC IS TORN OR DAMAGED OR IN ANY WAY BECOMES INEFFECTIVE, REPLACE THE AFFECTED
- PORTION IMMEDIATELY.
- 3. REMOVE DEPOSITED SEDIMENT WHEN IT REACHES HALF THE HEIGHT OF THE FENCE, OR IT IS CAUSING THE FABRIC TO BULGE.
- 4. TAKE CARE NOT TO UNDERMINE THE FENCE DURING SEDIMENT REMOVAL.
- 5. AFTER THE CONTRIBUTING AREA HAS BEEN STABILIZED, REMOVE THE FENCE AND REMAINING SEDIMENT, BRING THE DISTURBED AREA TO GRADE, AND STABILIZE.

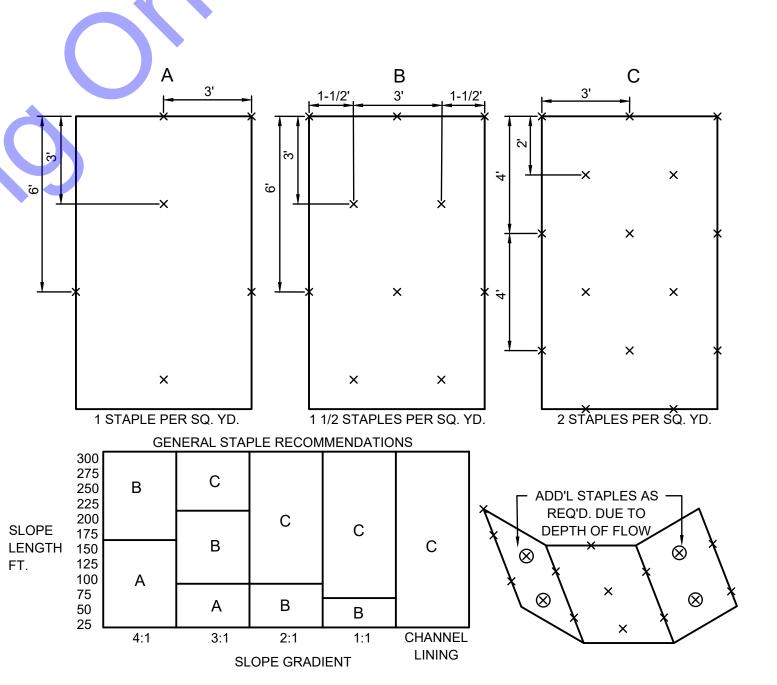
SILT FENCE DETAIL

**INSERT (BASKET) INLET PROTECTION DETAIL** SCALE: 1"=5'-0"

**INSERT (BASKET) CURB INLET PROTECTION DETAIL** SCALE: 1"=5'-0"

SANDBAGS - STACK IN A "RUNNING BOND" POLYETHYLENE LINING (2 LAYERS - 10 MIL. SECTION A-A THICK MIN.) THE LINING SHOULD BE HELD IN PLACE BY A LAYER OF SAND BAGS AND EXTEND OVER THE SAND BAGS. 10'-0" MIN. - SANDBAGS - STACK IN A "RUNNING BOND" - POLYETHYLENE LINING (2 LAYERS - 10 MIL. THICK MIN.) THE LINING SHOULD BE HELD IN PLACE BY A LAYER OF SAND BAGS AND EXTEND OVER THE SAND BAGS. WHITE BACKGROUND **PLAN VIEW** & RED TEXT —— 2"x2" POST DUE TO SITE CONSTRAINTS THE MINIMUM INTERIOR DIMENSION MAY BE ADJUSTED TO - FINISH GRADE FIT THE SITE. THE STRUCTURE'S INTERIOR FOOTAGE OF 100 S.F. MUST BE MAINTAINED AND THE CONTRACTOR SHALL SUBMIT ANY DESIGN ALTERATIONS TO THE ENGINEER. 36" MIN. OR CONCRETE WASHOUT STRUCTURE SHALL BE STABLE WEIGHTED RELOCATED CLOSE TO AREAS RECEIVING EARTH OR PAVEMENT BASE ON PAVEMENT CONCRETE, AS CONSTRUCTION

## CONCRETE WASHOUT PIT DETAIL



## **SPECIFICATIONS**

EFFECTIVE LIFE • THE FUNCTIONAL LIFE OF AN EROSION CONTROL BLANKET IS DEPENDENT ON THE MATERIALS USED.

### **ANCHORING**

• STAPLES, PINS OR STAKES USED TO PREVENT MOVEMENT OR DISPLACEMENT OF BLANKET. (FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR SPECIFIC APPLICATIONS.)

### MATERIALS

• ORGANIC (STRAW, EXCELSIOR, WOVEN PAPER, COCONUT FIBER, ETC.) OR SYNTHETIC MULCH INCORPORATED WITH A POLYPROPYLENE, NATURAL FIBER OR SIMILAR NETTING MATERIAL. (THE NETTING MAY BE BIODEGRADABLE, PHOTODEGRADABLE OR PERMANENT.)

NOTE: SOME EROSION CONTROL BLANKET NETTINGS MAY POSE A THREAT TO CERTAIN SPECIES OF WILDLIFE IF THEY BECOME ENTANGLED IN THE NETTING MATRIX.

• 6-12 INCH STAPLES, PINS, OR STAKES.

- 1. SELECT THE TYPE AND WEIGHT OF EROSION CONTROL BLANKET TO FIT THE SITE CONDITIONS (E.G., SLOPE, CHANNEL, FLOW VELOCITY) PER THE MANUFACTURER'S RECOMMENDATIONS.
- 2. PREPARE THE SEEDBED, ADD SOIL AMENDMENTS, AND PERMANENTLY SEED THE AREA IMMEDIATELY FOLLOWING SEEDBED PREPARATION.
- 3. LAY EROSION CONTROL BLANKETS ON THE SEEDED AREA SO THAT THEY ARE IN CONTINUOUS CONTACT WITH THE SOIL WITH EACH UP-SLOPE OR UP-STREAM BLANKET OVERLAPPING THE DOWN-SLOPE OR DOWN-STREAM BLANKET BY AT LEAST EIGHT INCHES, OR FOLLOW MANUFACTURER'S RECOMMENDATIONS.
- 4. TUCK THE UPPERMOST EDGE OF THE UPPER BLANKETS INTO A CHECK SLOT (SLIT TRENCH), BACKFILL WITH SOIL AND TAMP DOWN. IN CERTAIN APPLICATIONS, THE MANUFACTURER MAY REQUIRE ADDITION CHECK
- SLOTS AT SPECIFIC LOCATIONS DOWN SLOPE FROM THE UPPERMOST EDGE OF THE UPPER BLANKETS. 5. ANCHOR THE BLANKETS IN PLACE BY DRIVING STAPLES, PINS, OR STAKES THROUGH THE BLANKET AND INTO THE UNDERLYING SOIL. FOLLOW AN ANCHORING PATTERN APPROPRIATE FOR THE SITE CONDITIONS AND AS RECOMMENDED BY THE MANUFACTURER.

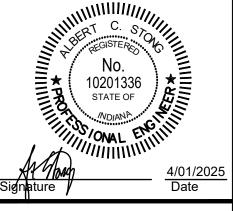
### MAINTENANCE

- INSPECT WITHIN 24 HOURS OF EACH RAIN EVENT AND AT LEAST ONCE EVERY SEVEN CALENDAR DAYS.
- CHECK FOR EROSION OR DISPLACEMENT OF THE BLANKET.
- IF ANY AREA SHOWS EROSION, PULL BACK THAT PORTION OF THE BLANKET COVERING THE ERODED AREA, ADD SOIL AND TAMP, RESEED THE AREA, REPLACE AND STAPLE THE BLANKET.

CHANNEL LININGS UTILIZE STAPLE PATTERN "C" WITH ADDITIONAL STAPLES ON SIDE SLOPES AT PROJECTED WATER LINE.

STAPLE PATTERNS APPLY TO ALL NORTH AMERICAN GREEN EROSION CONTROL BLANKETS. STAPLE PATTERNS MAY VARY DEPENDING UPON SOIL TYPE AND AVERAGE RAINFALL.

AT SLOPE LENGTHS GREATER THAN 300 FEET OR WHERE DRAINAGE OVER LARGE AREAS IS DIRECTED ONTO THE BLANKETS, STAPLE PATTERN "C" SHOULD BE UTILIZED.



CITY OF ROCHESTER

TON COUNTY, INDIANA
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> **EROSION CONTROL** DETAILS

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PROGRESSES.

**EROSION CONTROL BLANKET**