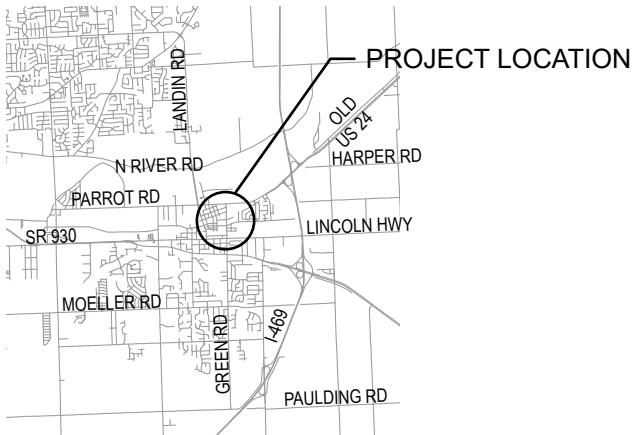


LATERAL 3R PROGRAM PHASE 1 FOR THE CITY OF NEW HAVEN ENGINEERING DEPARTMENT NEW HAVEN, INDIANA



VICINITY MAP
SCALE: NONE



STATE LOCATION MAP
SCALE: NONE



More than a Project™

PROJECT NUMBER
210118-04-001

NOVEMBER 2019



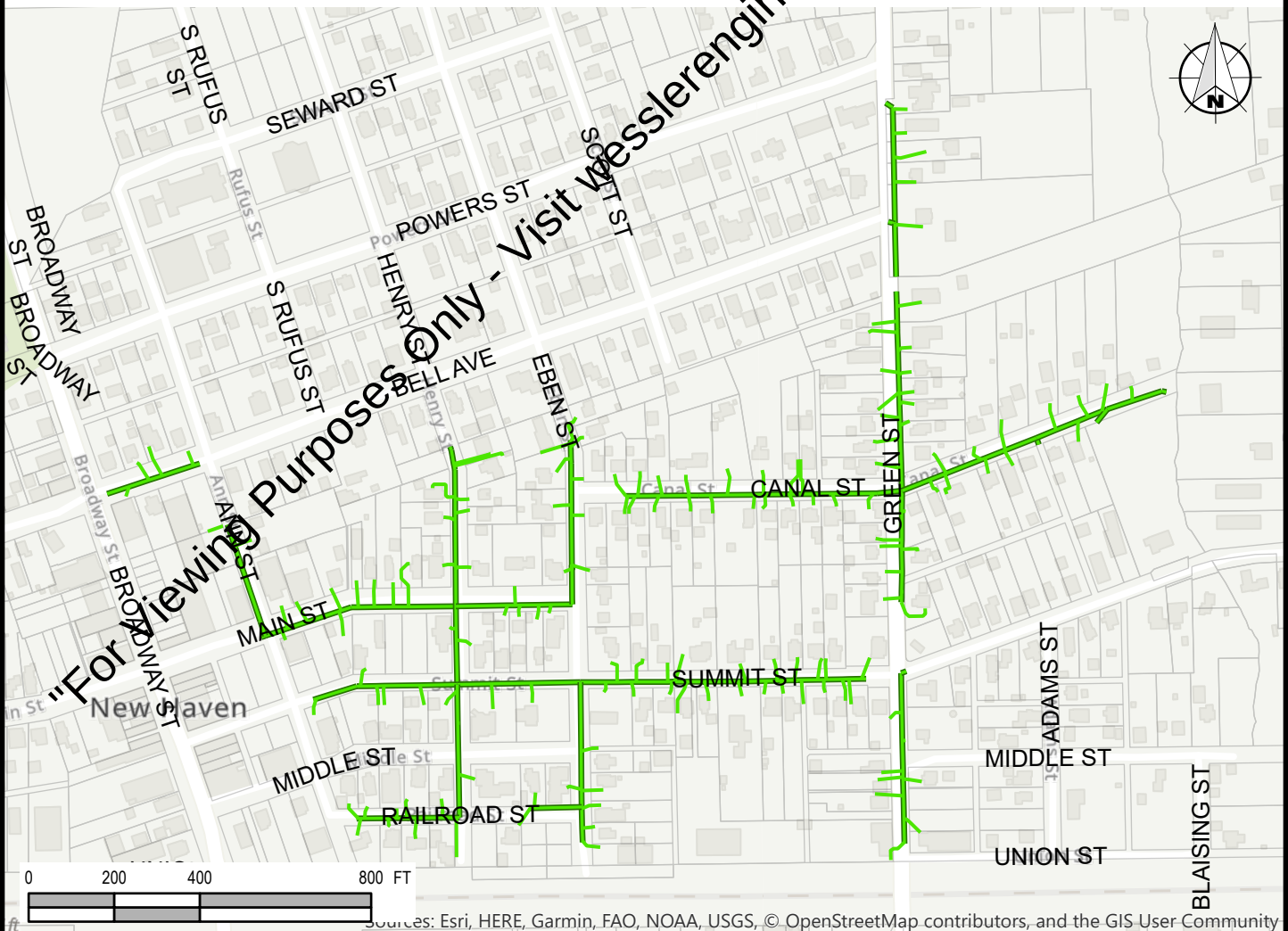
Charles A. Hutton

CHARLES A. HUTTON
REGISTERED ENGINEER
STATE OF INDIANA NO. 10809535

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DRAWING INDEX

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2	PROJECT AREA OVERVIEW	142	SANITARY SEWER SERVICE RISER DETAILS
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Sources: Esri, HERE, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

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LATERAL 3R PROGRAM PHASE 1
CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

**PROJECT AREA
OVERVIEW**
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GENERAL NOTES

1. ALL CONSTRUCTION AND MATERIALS SHALL CONFORM TO THE CITY OF NEW HAVEN ENGINEERING DEPARTMENT STANDARDS AND SPECIFICATIONS.
2. LINEAR FOOTAGE OF LATERAL REPLACEMENT IS APPROXIMATE. CONTRACTOR TO FOLLOW WORK NOTES ON LATERAL REPLACEMENT WORK SCHEDULE, LOCATED IN APPENDIX B OF THE PROJECT MANUAL.
3. LATERAL LOCATIONS DEPICTED HEREIN HAVE BEEN COMPILED FROM MULTIPLE SOURCES. THOSE SHOWN AS "GIS-LOCATED" ON THE LEGEND WERE RECEIVED FROM THE CITY OF NEW HAVEN GIS DEPARTMENT. THOSE SHOWN AS "ESTIMATED FROM AERIAL" DEPICT THE POSSIBLE REMAINING ROUTE TO THE RESIDENCE.
4. ALL EXISTING AND NEW UTILITY INFORMATION, INCLUDING BUT NOT LIMITED TO LOCATION, SIZE AND INVERT ELEVATION, IS SHOWN BASED UPON AVAILABLE INFORMATION. THE ENGINEER DOES NOT GUARANTEE OR ASSUME SUCH INFORMATION TO BE TRUE, ACCURATE, ALL INCLUSIVE OR EVEN APPROXIMATE. CONTACT THE INDIANA UNDERGROUND PLANT PROTECTION SERVICE (IUPPS) AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE OF ANY CONSTRUCTION ACTIVITY. CONTACT NON-MEMBER UTILITIES DIRECTLY.
5. DETERMINE WHICH UTILITIES MAY CONFLICT WITH WORK AND VERIFY THEIR LOCATION, SIZE AND ELEVATION PRIOR TO CONSTRUCTION AND DETERMINE IF THERE ARE ANY DISCREPANCIES OR CONFLICTS. IF ANY DISCREPANCIES OR CONFLICTS ARE DISCOVERED, NOTIFY THE ENGINEER AS SOON AS POSSIBLE.
6. COORDINATE ALL WORK WITH THE RESPECTIVE UTILITIES. SCHEDULE WORK ACCORDINGLY, AND NOTIFY ALL UTILITIES A MINIMUM OF TWO (2) WEEKS IN ADVANCE OF ANY CONSTRUCTION ACTIVITY.
7. COORDINATE PLANNED UTILITY SERVICE INTERRUPTIONS WITH THE RESPECTIVE UTILITIES AND THE UTILITIES' AFFECTED CUSTOMERS. SERVICE INTERRUPTIONS SHOULD NOT LAST MORE THAN FOUR (4) HOURS. GIVE WRITTEN NOTICE TO ALL AFFECTED UTILITY CUSTOMERS AND PROPERTY OWNERS AT LEAST TWENTY-FOUR (24) HOURS BUT NOT MORE THAN SEVENTY-TWO (72) HOURS PRIOR TO ANY PLANNED INTERRUPTION OF UTILITY SERVICE.
8. USE CAUTION DURING THE EXECUTION OF WORK TO PREVENT DAMAGE TO EXISTING UTILITIES. REPAIR OR REPLACE ALL PUBLIC AND PRIVATE FACILITIES DAMAGED AS A RESULT OF CONSTRUCTION OPERATIONS.
9. INSPECT THE PROPERTIES PRIOR TO BIDDING TO UNDERSTAND THE EXTENT OF THE WORK INVOLVED AND ADJUST BID ACCORDINGLY.
10. THIS PROJECT WILL INCLUDE HOMEOWNER COORDINATION. CONTRACTOR TO COORDINATE SCHEDULE OF WORK AND POTENTIAL OF INTERRUPTION OF SERVICE WITH HOMEOWNER AND OWNER.
11. COORDINATE STAGING AREA LOCATIONS WITH THE OWNER.
12. TO CONTROL DUST, REMOVE SOIL FROM STREETS USED BY CONSTRUCTION TRAFFIC DAILY, VACUUM AND WATER AS NECESSARY AND/OR AS DIRECTED BY THE OWNER.
13. RESET ALL MAILBOXES AND SIGNS DISTURBED BY CONSTRUCTION ACTIVITIES.
14. CONTRACTOR RESPONSIBLE FOR BYPASSING AND/OR MANAGING SANITARY LATERAL FLOWS DURING CONSTRUCTION AS NEEDED TO PREVENT BACKUPS OR INTERRUPTIONS TO SERVICE.
15. CONTRACTOR TO MAINTAIN HOMEOWNER'S ACCESS TO PROPERTY AT ALL TIMES. COORDINATE WITH HOMEOWNER IF ACCESS WILL BE LIMITED.
16. ALL POLY-VINYL CHLORIDE PIPE (PVC) SHALL CONFORM TO ASTM SPECIFICATION D-3034 CLASS 12 454-B ASTM D-1784 SDR 35 AND SDR 26.
17. ALL PVC JOINTS SHALL CONFORM TO ASTM SPECIFICATION D3212 FOR ELASTOMERIC GASKET JOINTS CONFORMING TO ASTM F-477 HAVING A MINIMUM CROSS SECTION AREA OF 0.20 SQUARE INCHES.
18. PIPE BEDDING CLASS B BEDDING FOR RIGID PIPE OR CLASS F FOR FLEXIBLE PIPE SHALL BE BEDDED WITH #8, OR #9 CRUSHED LIMESTONE AND SHALL BE CARRIED 12" ABOVE THE TOP OF THE PIPE.
19. ALL SEWER TRENCHES WITHIN THE ROAD RIGHT-OF-WAY UNDER PARKING LOTS, DRIVE, SIDEWALKS, AND EXISTING PIPES SHALL BE EMBEDDED WITH #8, OR #9 CRUSHED LIMESTONE, BACKFILLED WITH #53 OR #73 CRUSHED LIMESTONE, AND COMPACTED AT 95% MODIFIED PROCTOR DENSITY.
20. ANY EXISTING PIPE OR TILES WHICH ARE CUT DURING CONSTRUCTION SHALL BE REPLACED WITH EQUAL OR BETTER MATERIALS AND CONSTRUCTION METHODS.
21. ANY PAVEMENT OR IMPROVED ROAD SERVICE OR SIDEWALK CUT DURING CONSTRUCTION SHALL BE REPLACED WITH EQUAL OR BETTER MATERIALS AND CONSTRUCTION METHODS, TO MATCH EXISTING THICKNESS.

(CONTINUED ON PAGE 4)

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LATERAL 3R PROGRAM PHASE 1
CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

GENERAL NOTES

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GENERAL NOTES (Continued)

22. ALL GRASSED AREAS WHICH ARE DISTURBED DURING THE COURSE OF CONSTRUCTION SHALL BE SEEDED WITH COMPARABLE GRASS SEED AND COVERED WITH STRAW. WATER SHALL BE APPLIED AS REQUIRED TO ASSURE GROWTH.

23. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RE-GRADED TO THE ORIGINAL CONTOURS PRIOR TO COMPLETION OF PROJECT.

24. NOTIFY THE ENGINEER IF ANY CONFLICTING INFORMATION BECOMES APPARENT IN THE CONTRACT DOCUMENTS AS SOON AS POSSIBLE AND PRIOR TO THE COMMENCEMENT OF ANY WORK IN THE VICINITY OF OR RELATIVE TO THE APPARENT CONFLICT SO THAT CLARIFICATION MAY OCCUR PRIOR TO CONSTRUCTION.

25. ANY ALTERATIONS TO THESE DRAWINGS NOT AUTHORIZED BY WESSLER ENGINEERING AND NOT IN ACCORDANCE WITH THE DRAWINGS, SPECIFICATIONS AND RECORDS ON FILE AT WESSLER ENGINEERING SHALL RELIEVE WESSLER ENGINEERING OF ANY RESPONSIBILITY FOR THE ACCURACY OF THE DRAWINGS.

26. USE CAUTION DURING THE EXECUTION OF WORK TO PREVENT DAMAGE TO STATE, COUNTY, MUNICIPAL, AND PRIVATE PROPERTY. REPAIR ALL DAMAGES AS A RESULT OF OPERATIONS, INCLUDING DAMAGE TO DRAINAGE STRUCTURES, FIELD TILES, PUBLIC/PRIVATE ROADS, AND LANDSCAPING (INCLUDING FENCING). REPAIR AND REPLACE DAMAGED ITEMS AT NO ADDITIONAL COST TO THE OWNER. PERFORM ALL REPAIR AND REPLACEMENT WORK TO THE SATISFACTION OF THE PERMITTING AGENCY, THE OWNER AND THE ENGINEER.

27. TAKE CARE TO AVOID DAMAGE TO PAVED AREAS WHICH ARE NOT SPECIFICALLY CALLED OUT FOR REPAIR OR REPLACEMENT. REPAIR, OR REPLACE ALL SUCH PAVEMENTS WHICH ARE DAMAGED BY CONSTRUCTION ACTIVITIES AND CONSTRUCTION TRAFFIC AT NO ADDITIONAL COST TO THE OWNER.

LEGEND

APPLIES TO MAPS ON SUBSEQUENT PAGES

SANITARY SEWER

-  Current Sheet Lateral Extents
-  Lateral Replacement
-  Lateral, GIS-Located
-  Lateral, Estimated from Aerial
-  Gravity Main
-  Service Connection
-  Manhole
-  Possible Cleanout or CCTV

WATER

-  Hydrant
-  System Valve
-  Service Connection
-  Fire Stop
-  Lateral
-  Pressure Main

STORMWATER

-  Manhole
-  Inlet
-  Lateral
-  Gravity Main
-  Service Connection

OTHER

-  Gas Main or Lateral
-  ROW and Property Lines (Indiana Map)

ABBREVIATIONS

NOTE: THIS LIST MAY NOT INCLUDE ALL ABBREVIATIONS FOUND WITHIN THIS PLAN SET. IF A QUESTION ARISES ON THE MEANING OF AN ABBREVIATION NOT LISTED IN THIS TABLE, PLEASE CONTACT THE ENGINEER FOR CLARIFICATION.

ASPH ASPHALT
BPD BACKFLOW PROTECTIVE DEVICE
CO CLEANOUT
CO@HS CLEANOUT AT HOUSE
CO@PL CLEANOUT AT PROPERTY LINE

CONC CONCRETE
EX EXISTING
LF LINEAR FEET
LNDS LANDSCAPING

RPL REPLACE
SAN SANITARY
TRC TRACER WIRE
WTR WATER

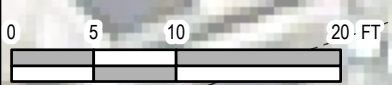
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NEW HAVEN, INDIANA

LEGEND AND
ABBREVIATIONS
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SEE LEGEND ON PAGE 4

SUMMARY OF WORK

SEWER				
CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	21	21
RESTORATION (LF)				
ASPH	CONC	GRASS	LNDS	
0	19	2	0	

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LATERAL 3R PROGRAM PHASE 1
CITY OF NEW HAVEN ENGINEERING DEPARTMENT
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**419
ANN ST**
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EX GAS
RAILROAD ST

EX 8" SAN

551
ANN ST

EX SERVICE
CONNECTION
(TYP)

REPLACE 28"

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SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	29	29

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	7	22

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

**551
ANN ST**

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909
BELL AVE

REPLACE 12 LF

POSSIBLE
CO PER
VIDEO (TYP)

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EX 8" WTR

EX 15" STORM

BELL AVE

EX 8" SAN

EX GAS

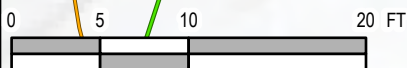
SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	N	N	0	12

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	12	0	0



SEE LEGEND ON PAGE 4

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LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

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BELL AVE**
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915
BELL AVE

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POSSIBLE
CO PER
VIDEO (TYP)

EX 8" WTR

BELL AVE

EX 15" STORM

EX 8" SAN

EX GAS

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

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BELL AVE**
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921
BELL AVE

ANN ST

REPLACE 25 LF

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EX 6" WTR

BELL AVE

EX 8" WTR

EX 15" STORM

EX 8" SAN

EX 0" STORM

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	25	25

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	19	6

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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PROJECT NUMBER		
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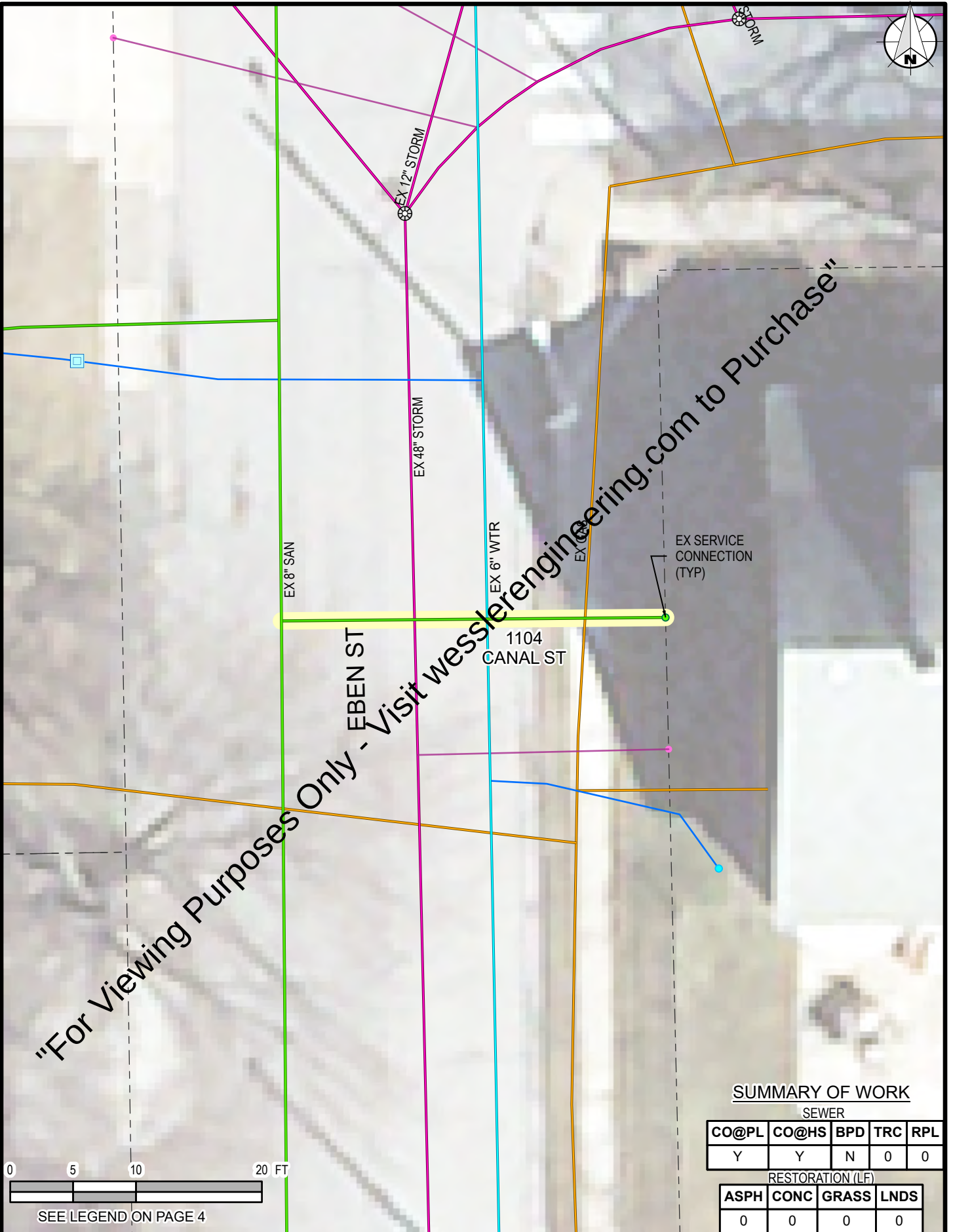
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CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

**921
BELL AVE**
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SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

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LATERAL 3R PROGRAM PHASE 1
CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

1104
CANAL ST
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EX 6" WTR

CANAL ST

EX 48" STORM

POSSIBLE
CO PER
VIDEO (TYP)

EX 8" SAN

EX GAS

REPLACE 25 LF

EX SERVICE
CONNECTION
(TYP)

1108
CANAL ST

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	25

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	20	5

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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CITY OF NEW HAVEN ENGINEERING DEPARTMENT	
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CANAL ST
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1111
CANAL ST

EX SERVICE
CONNECTION
(TYP)

EX 6" WTR

CANAL ST

EX 48" STORM

POSSIBLE
CO PER
VIDEO (TYP)

EX 8" SAN

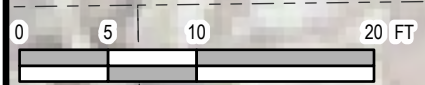
EX GAS

SUMMARY OF WORK
SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0



SEE LEGEND ON PAGE 4

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LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

**1111
CANAL ST**

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EX 6" WTR

CANAL ST

EX 48" STORM

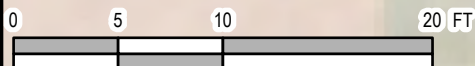
POSSIBLE
CO PER
VIDEO (TYP)

EX 8" SAN

EX GAS

EX SERVICE
CONNECTION
(TYP)

1114
CANAL ST



SEE LEGEND ON PAGE 4

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

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CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

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CANAL ST**

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EX SERVICE
CONNECTION
(TYP)

EX GAS

1115
CANAL ST

EX 6" WTR

CANAL ST

EX 48" STORM

EX 8" SAN

POSSIBLE
CO PER
VIDEO (TYP)

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
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**1115
CANAL ST**

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1121
CANAL ST

EX SERVICE
CONNECTION
(TYP)

EX GAS

EX 6" WTR

CANAL ST

EX 48" STORM

EX 8" SAN

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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CITY OF NEW HAVEN ENGINEERING DEPARTMENT
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**1121
CANAL ST**

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EX 6" WTR

CANAL ST

EX 48" STORM

EX 8" SAN

EX GAS

EX SERVICE
CONNECTION
(TYP)

1122
CANAL ST

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SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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CANAL ST**

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EX 6" WTR

CANAL ST

EX 48" STORM

EX 0" STORM

EX 8" SAN

EX GAS

1128
CANAL ST

REPLACE 29 LF

EX SERVICE
CONNECTION
(TYP)

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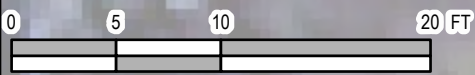
SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	29	29

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	29	0



SEE LEGEND ON PAGE 4

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LATERAL 3R PROGRAM PHASE 1

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CANAL ST
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1129
CANAL ST

EX SERVICE
CONNECTION
(TYP)

REPLACE 24 LF

EX 6" WTR

CANAL ST

EX 48" STORM

EX 8" SAN

EX 0" STORM

EX GAS

SUMMARY OF WORK

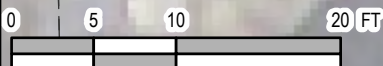
SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	24	24

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	24	0

SEE LEGEND ON PAGE 4



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NEW HAVEN, INDIANA

**1129
CANAL ST**

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EX 6" WTR

CANAL ST

EX 48" STORM

EX 8" SAN

EX GAS

1134
CANAL ST

REPLACE 13 LF

EX SERVICE
CONNECTION
(TYP)

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SEE LEGEND ON PAGE 4

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	13

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	13

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CANAL ST

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1143
CANAL ST

REPLACE 137 LF

EX SERVICE
CONNECTION
(TYP)

EX GAS

POSSIBLE
CO PER
VIDEO (TYP)

CANAL ST

EX 6" WTR

EX 48" STORM

EX 8" SAN

EX 8"
STORM

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	137	137

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	7	130	0

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

**1143
CANAL ST**
PAGE 20 of 151



EX 6" WTR

CANAL ST

EX 48" STORM

EX 8" STORM

EX 8" SAN

EX GAS

EX SERVICE
CONNECTION
(TYP)

1144
CANAL ST

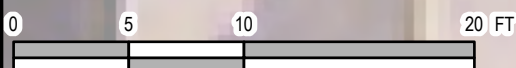
SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0



SEE LEGEND ON PAGE 4

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MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

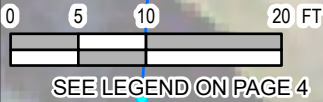
1144
CANAL ST

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SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	41

RESTORATION (LF)

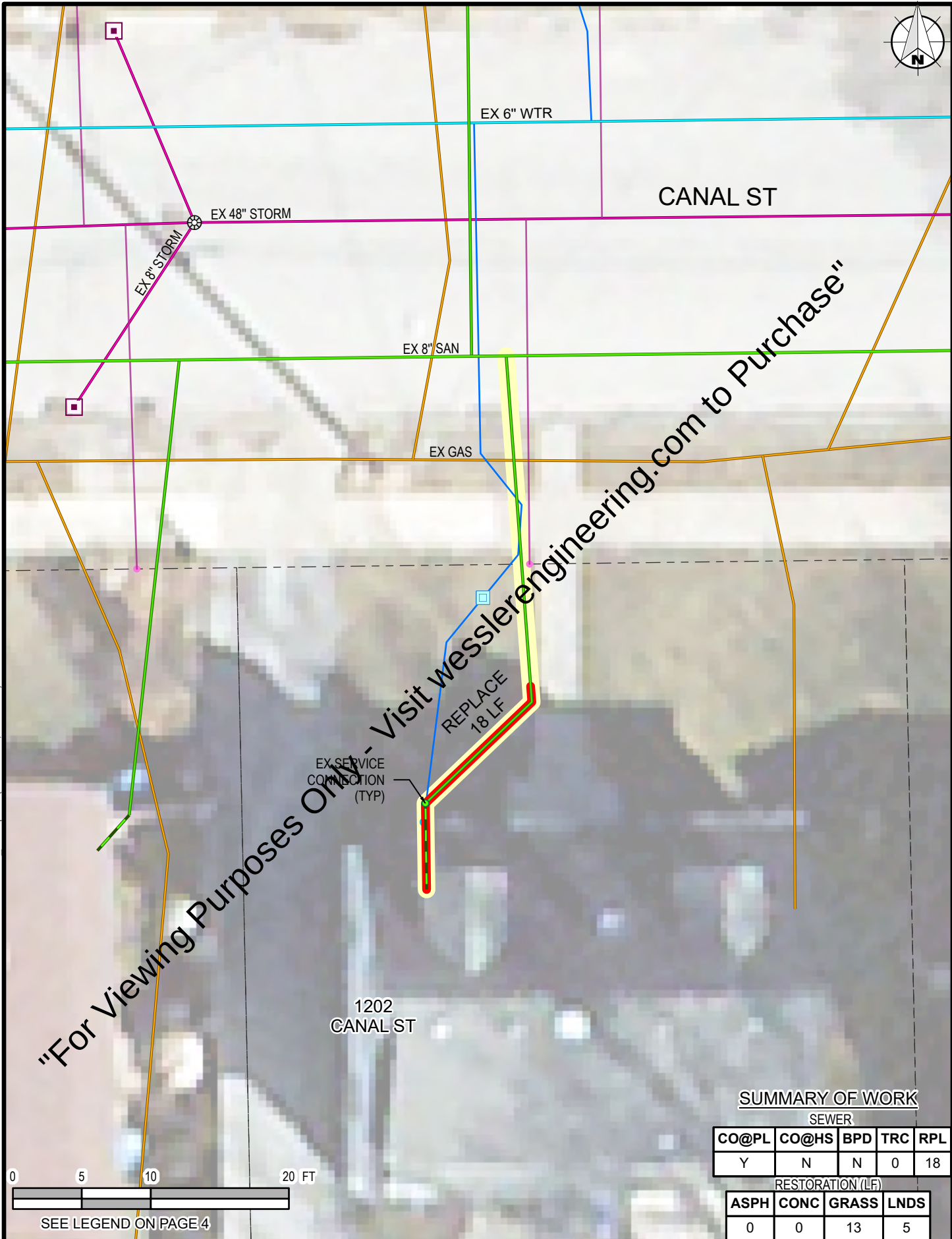
ASPH	CONC	GRASS	LNDS
0	0	36	5

DRAWN BY	CHECKED BY	APPROVED BY
MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

**1201
CANAL ST**
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SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	N	N	0	18

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	13	5



SEE LEGEND ON PAGE 4

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MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

1202
CANAL ST
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EX 6" WTR

CANAL ST

EX 48" STORM

EX 8" SAN

EX GAS

1208
CANAL ST

EX SERVICE
CONNECTION
(TYP)

REPLACE
14 LF

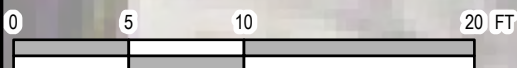
SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	14

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	9	5



SEE LEGEND ON PAGE 4

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MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

1208
CANAL ST
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1209
CANAL ST

EX SERVICE
CONNECTION
(TYP)

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EX 6" WTR

EX 48" STORM

CANAL ST

EX 8" SAN

EX GAS

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

0 5 10 20 FT

SEE LEGEND ON PAGE 4

DRAWN BY	CHECKED BY	APPROVED BY
MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

**1209
CANAL ST**

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1213
CANAL ST

EX SERVICE
CONNECTION
(TYP)

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EX 6" WTR

CANAL ST

EX 48" STORM

EX 8" SAN

EX GAS

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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MRE JLJ CAH

PROJECT NUMBER

210118-04-001

LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

**1213
CANAL ST**

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EX 6" WTR

CANAL ST

EX 48" STORM

EX 8" SAN

EX GAS

1214

CANAL ST

EX SERVICE
CONNECTION
(TYP)

REPLACE 12 LF

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SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	N	N	0	12

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	12	0

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

1214
CANAL ST
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EX 6" WTR

CANAL ST

EX 48" STORM

EX 8" SAN

EX GAS

EX SERVICE
CONNECTION
(TYP)

REPLACE 17 LF

1220
CANAL ST

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	17

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	13	4	0

SEE LEGEND ON PAGE 4

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MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

**1220
CANAL ST**

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GREEN ST

EX 8" WTR

EX GAS

EX 8" SAN

EX SERVICE
SECTION
(TYP)

1302
CANAL ST

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SEE LEGEND ON PAGE 4

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	Y	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

DRAWN BY	CHECKED BY	APPROVED BY
MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

1302
CANAL ST
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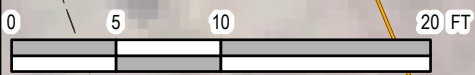
SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	N	N	0	15

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	15	0



SEE LEGEND ON PAGE 4

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MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

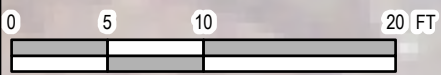
LATERAL 3R PROGRAM PHASE 1
CITY OF NEW HAVEN ENGINEERING DEPARTMENT NEW HAVEN, INDIANA

1310
CANAL ST
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SEE LEGEND ON PAGE 4

SUMMARY OF WORK

SEWER				
CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	30
RESTORATION (LF)				
ASPH	CONC	GRASS	LNDS	
0	0	25	5	

DRAWN BY	CHECKED BY	APPROVED BY
MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1
CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

1314
CANAL ST
PAGE 31 of 151



EX 8" WTR

CANAL ST EX 48" STORM

EX 15" SAN

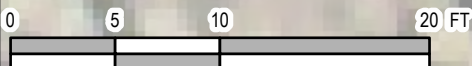
EX GAS

REPLACE 33 LF

EX SERVICE
CONNECTION
(TYP)

1320
CANAL ST

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SEE LEGEND ON PAGE 4

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	33	33

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	3	27	3

DRAWN BY	CHECKED BY	APPROVED BY
MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1

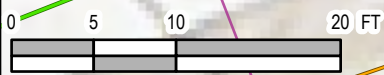
CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

1320 CANAL ST

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SUMMARY OF WORK

SEWER				
CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	0
RESTORATION (LF)				
ASPH	CONC	GRASS	LNDS	
0	0	0	0	

DRAWN BY	CHECKED BY	APPROVED BY
MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1
CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

1327
CANAL ST
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SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	15

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	15

0 5 10 20 FT

SEE LEGEND ON PAGE 4

DRAWN BY	CHECKED BY	APPROVED BY
MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

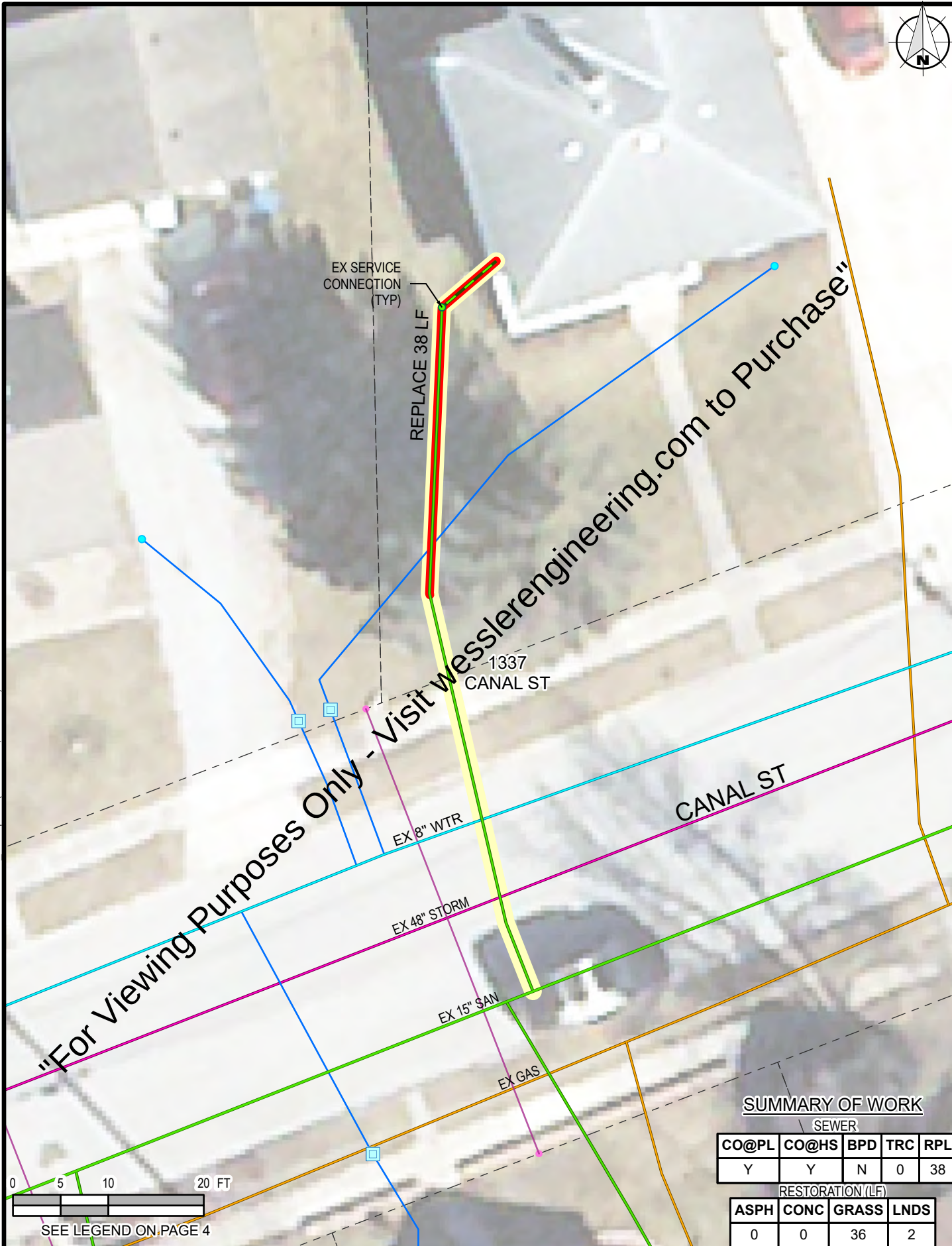
LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

1332
CANAL ST
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SUMMARY OF WORK

SEWER				
CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	38
RESTORATION (LF)				
ASPH	CONC	GRASS	LNDS	
0	0	36	2	

DRAWN BY	CHECKED BY	APPROVED BY
MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

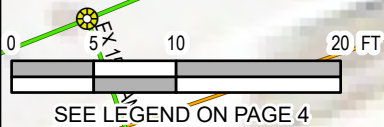
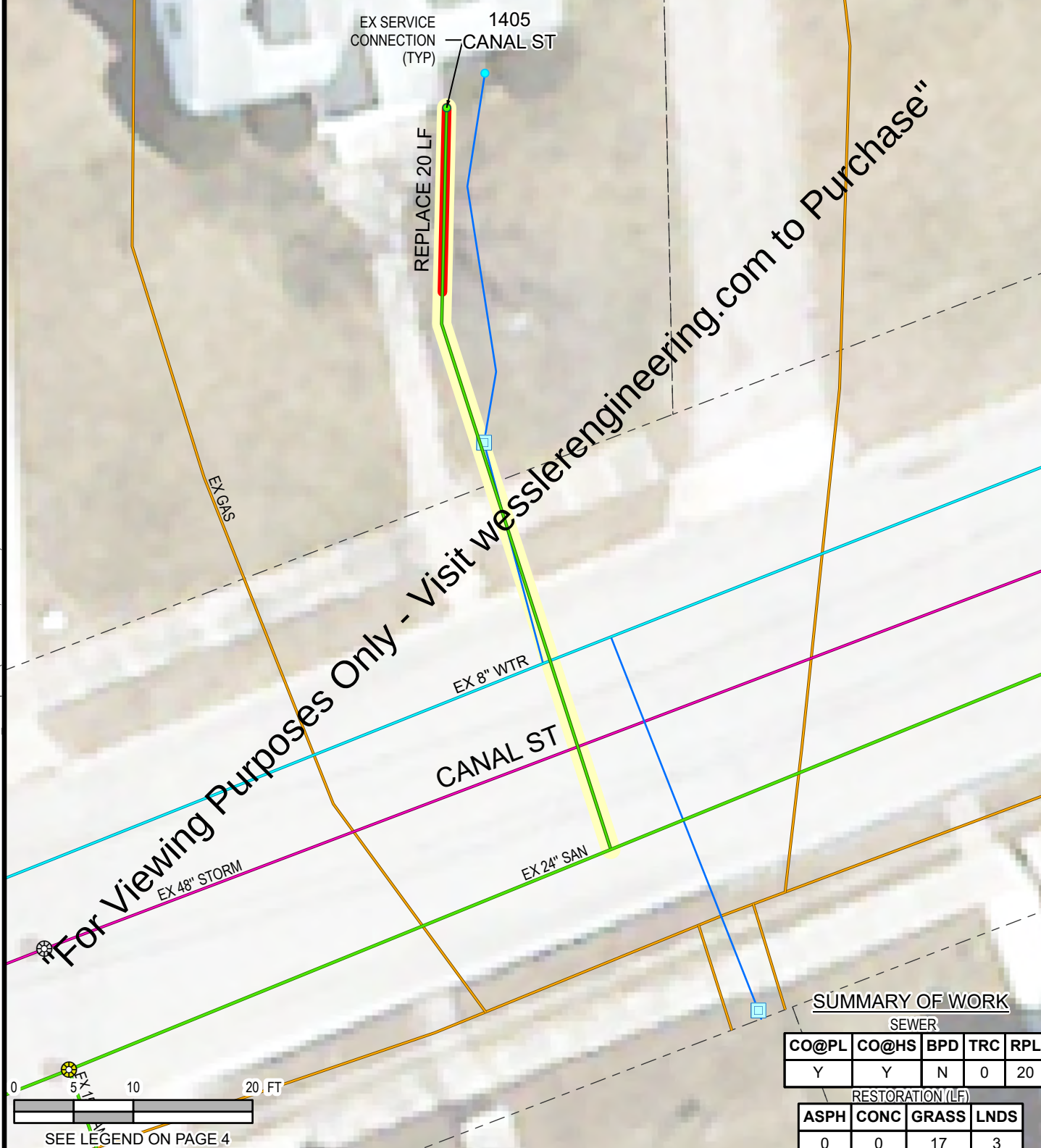
LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

1337
CANAL ST
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SUMMARY OF WORK

SEWER				
CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	20
RESTORATION (LF)				
ASPH	CONC	GRASS	LNDS	
0	0	17	3	

DRAWN BY	CHECKED BY	APPROVED BY
MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1
CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

1405 CANAL ST
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1411
CANAL ST

EX SERVICE
CONNECTION
(TYP)

REPLACE
21 LF

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CANAL ST

EX 48" STORM

EX 24" SAN

EX 6" WTR

EX 36" SAN

EX GAS

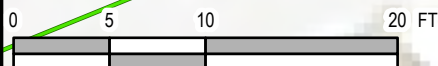
SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	21

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	16	5



SEE LEGEND ON PAGE 4

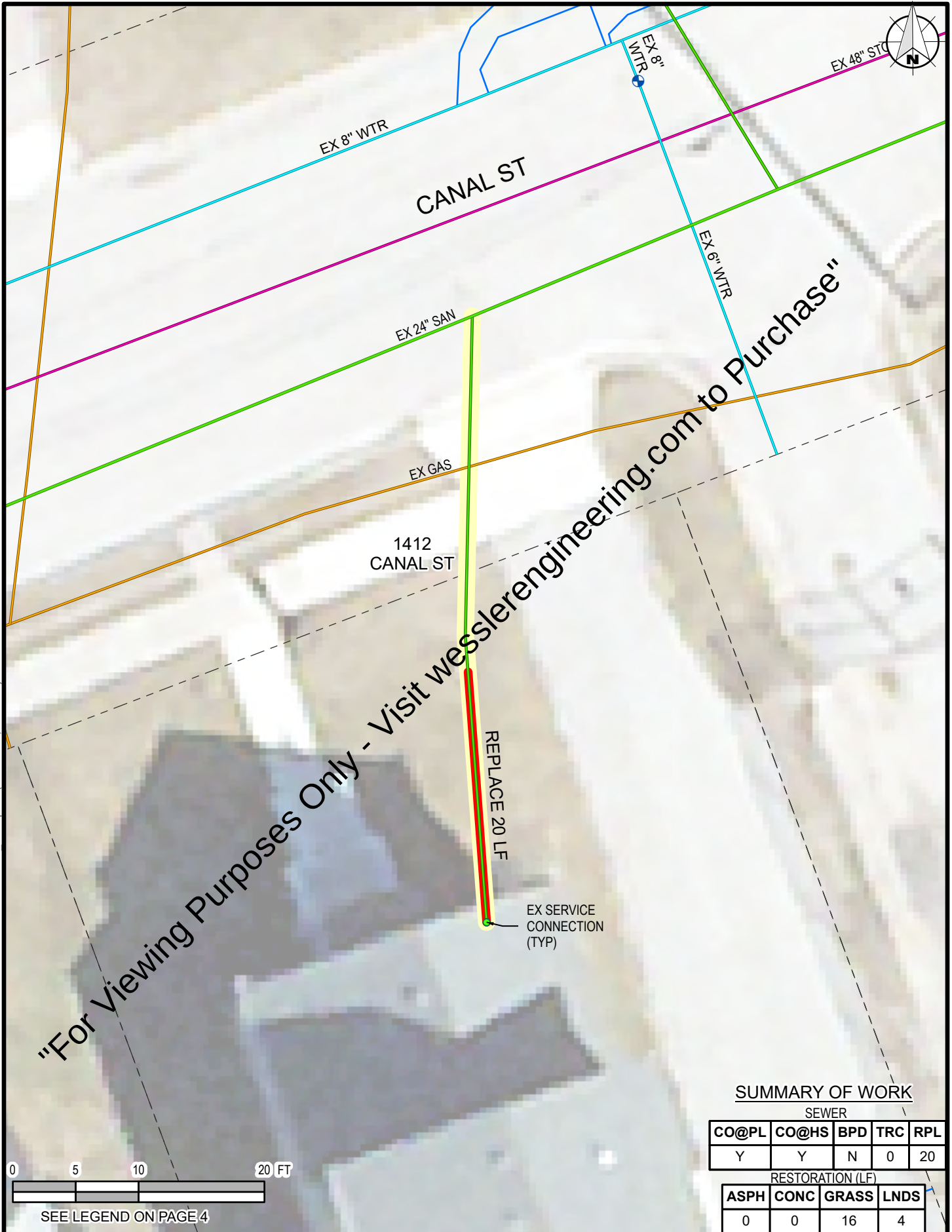
DRAWN BY	CHECKED BY	APPROVED BY
MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

**1411
CANAL ST**
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0 5 10 20 FT

SEE LEGEND ON PAGE 4

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	20

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	16	4

DRAWN BY	CHECKED BY	APPROVED BY
MRE	JLJ	CAH
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210118-04-001		

LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

1412
CANAL ST

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POSSIBLE
CO PER
VIDEO (TYP)

REPLACE 29 LF

1417
CANAL ST

CANAL ST

EX 48" STORM

EX 24" SAN

EX 36" SAN

EX 0" STORM

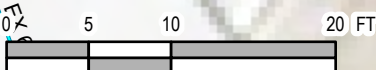
SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	N	N	29	29

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	29	0



SEE LEGEND ON PAGE 4

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LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

**1417
CANAL ST**
PAGE 39 of 151



1425
CANAL ST

POSSIBLE
CO PER
VIDEO (TYP)

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EX 48" STORM

EX 24" SAN

EX 36" STORM

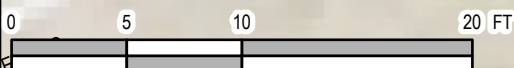
SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	N	N	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0



SEE LEGEND ON PAGE 4

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MRE	JLJ	CAH
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210118-04-001		

LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

**1425
CANAL ST**

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SUMMARY OF WORK

SEWER				
CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	24	24
RESTORATION (LF)				
ASPH	CONC	GRASS	LNDS	
0	4	17	3	

DRAWN BY	CHECKED BY	APPROVED BY
MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

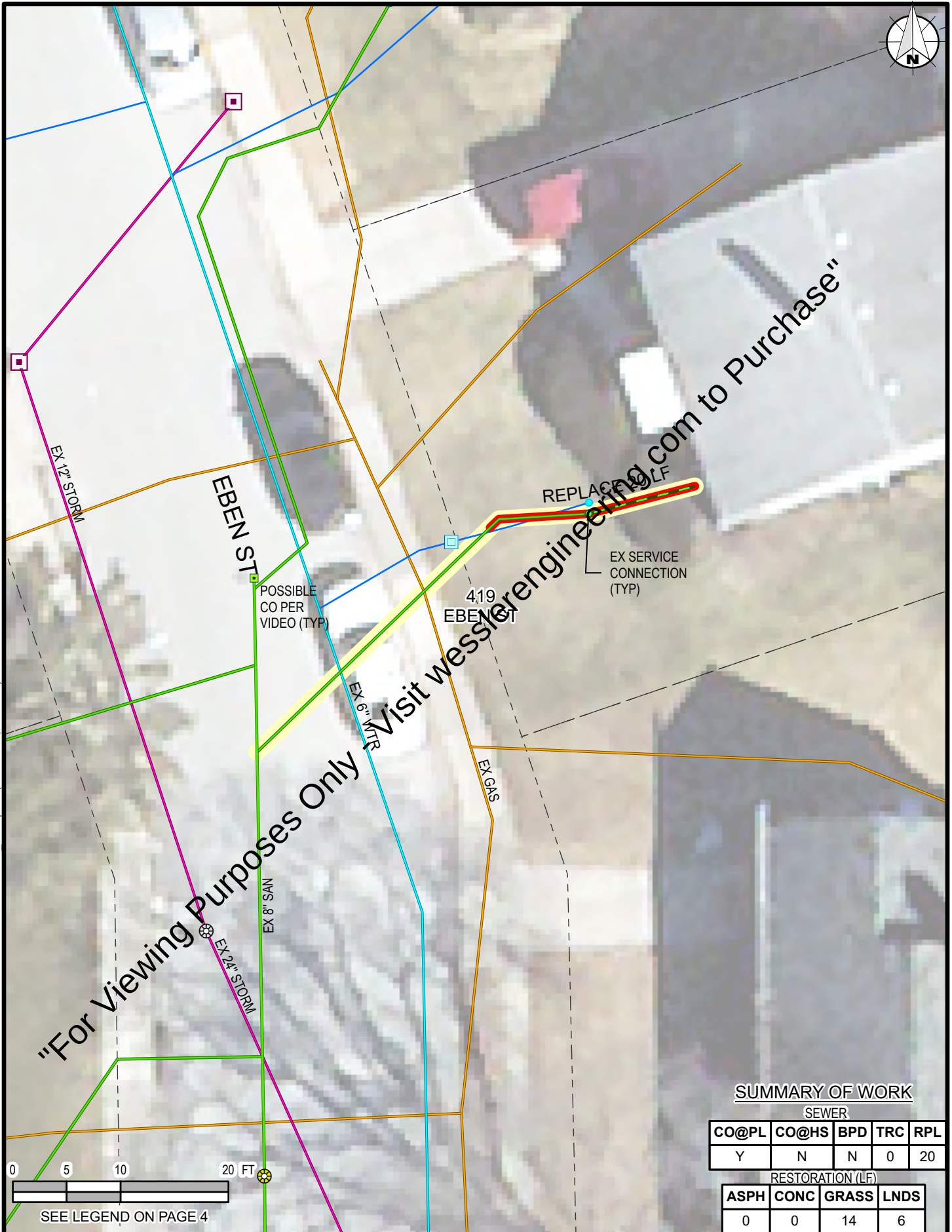
415
EBEN ST

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SUMMARY OF WORK

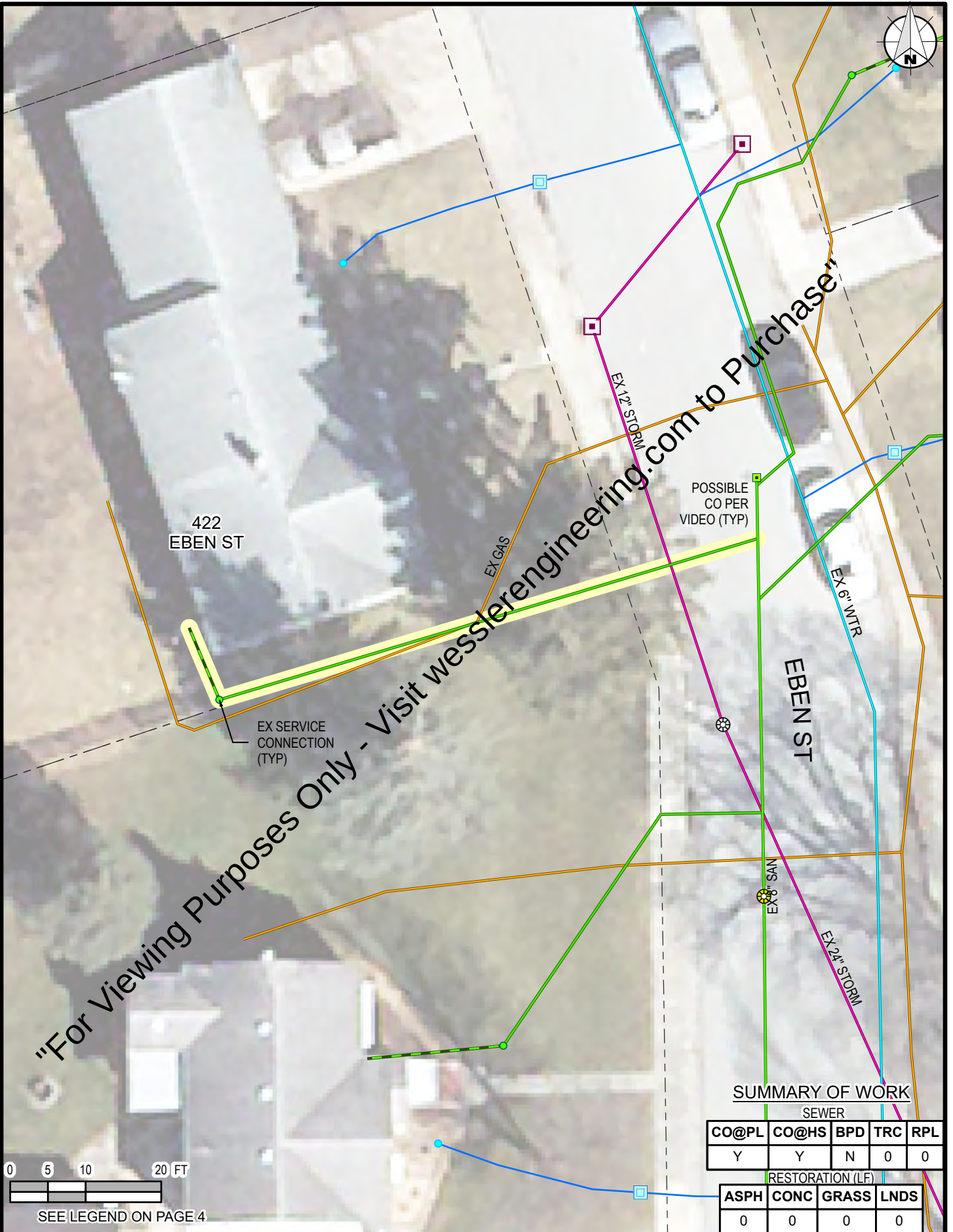
SEWER				
CO@PL	CO@HS	BPD	TRC	RPL
Y	N	N	0	20
RESTORATION (LF)				
ASPH	CONC	GRASS	LNDS	
0	0	14	6	

DRAWN BY	CHECKED BY	APPROVED BY
MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1
CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

419
EBEN ST
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SUMMARY OF WORK

SEWER				
CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	0
RESTORATION (LF)				
ASPH	CONC	GRASS	LNDS	
0	0	0	0	

DRAWN BY	CHECKED BY	APPROVED BY
MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

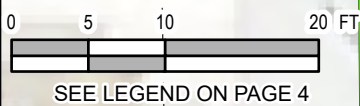
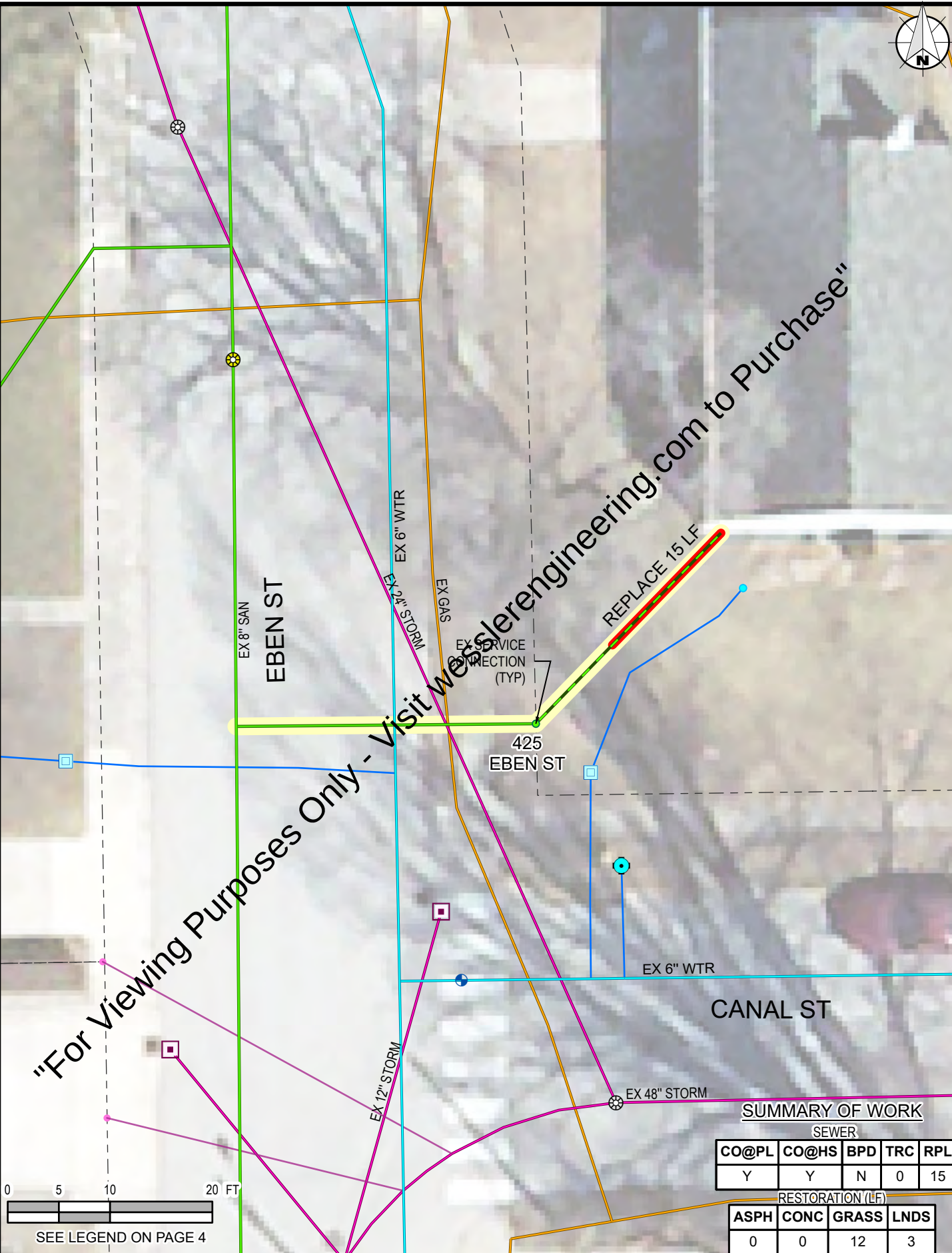
LATERAL 3R PROGRAM PHASE 1	
CITY OF NEW HAVEN ENGINEERING DEPARTMENT	
NEW HAVEN, INDIANA	

422
EBEN ST
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SUMMARY OF WORK

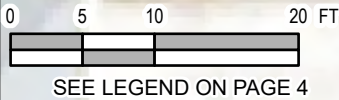
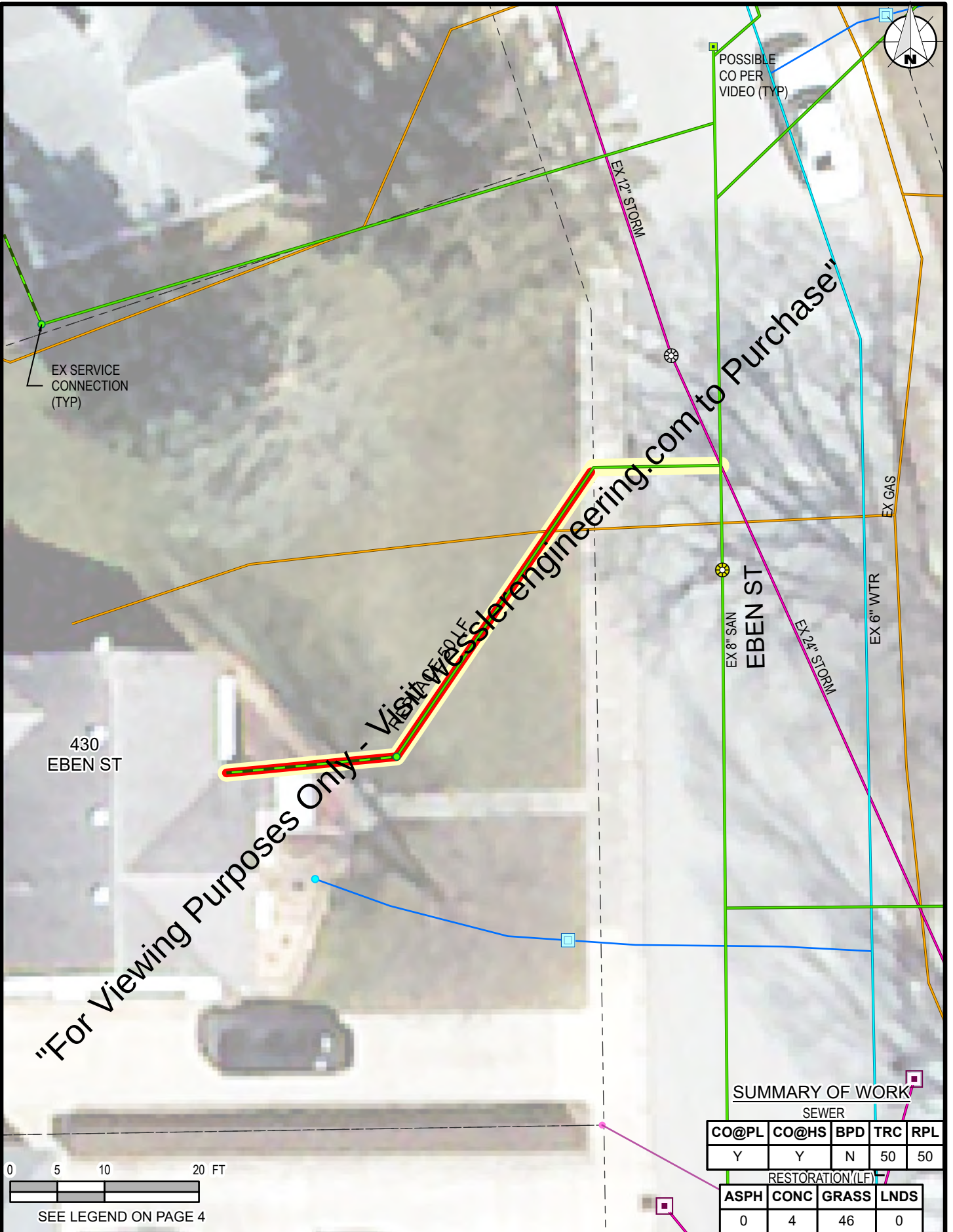
SEWER				
CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	15
RESTORATION (LF)				
ASPH	CONC	GRASS	LNDS	
0	0	12	3	

DRAWN BY	CHECKED BY	APPROVED BY
MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1
CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

425
EBEN ST
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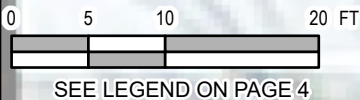
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MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1	
CITY OF NEW HAVEN ENGINEERING DEPARTMENT	
NEW HAVEN, INDIANA	

SUMMARY OF WORK				
SEWER				
CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	50	50
RESTORATION/LF				
ASPH	CONC	GRASS	LNDS	
0	4	46	0	

430
EBEN ST
PAGE 45 of 151

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SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	N	N	0	16

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	16	0

DRAWN BY	CHECKED BY	APPROVED BY
MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

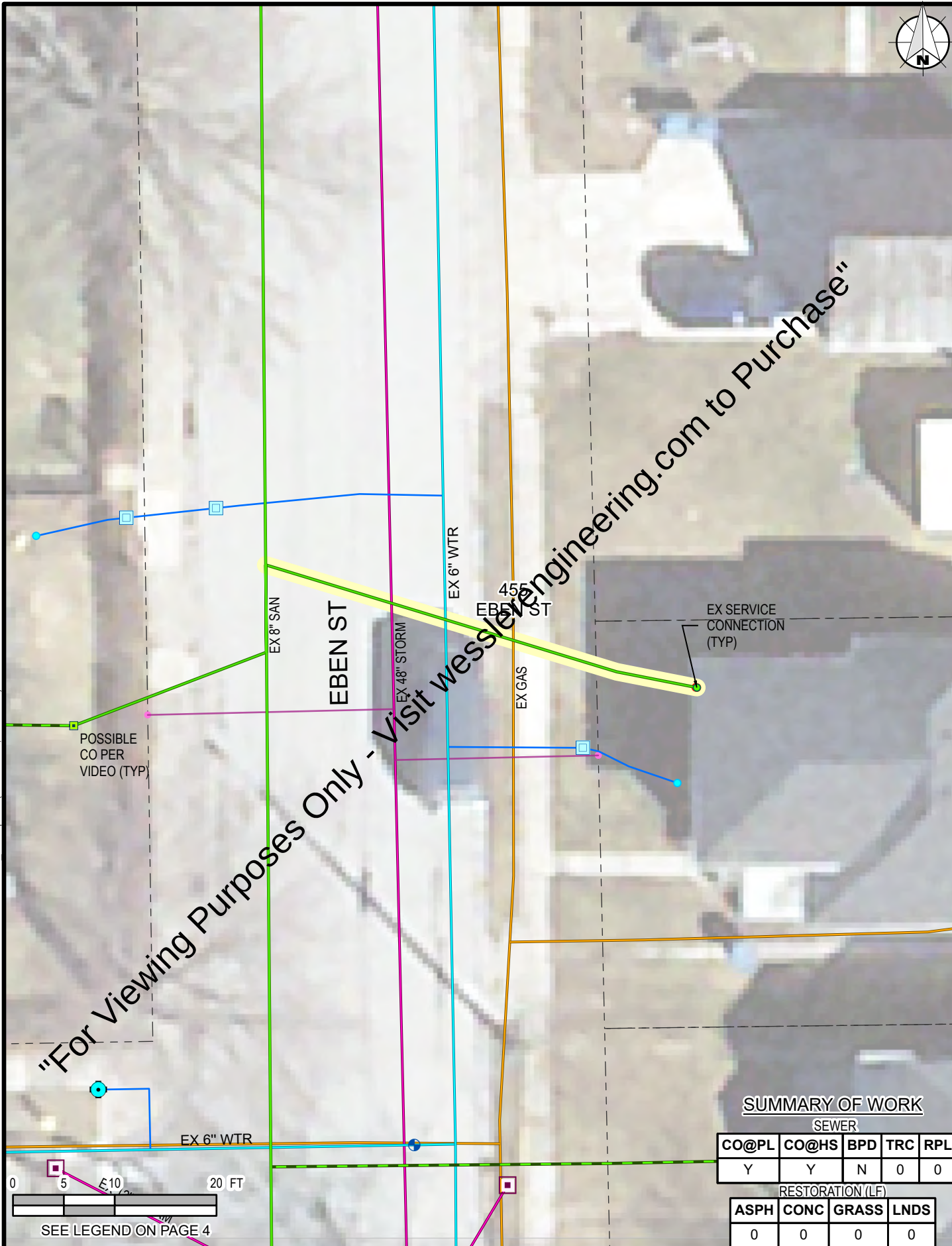
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NEW HAVEN, INDIANA

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EBEN ST
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SUMMARY OF WORK

SEWER				
CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	0
RESTORATION (LF)				
ASPH	CONC	GRASS	LNDS	
0	0	0	0	

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MRE	JLJ	CAH
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210118-04-001		

LATERAL 3R PROGRAM PHASE 1
CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

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EBEN ST
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POSSIBLE
CO PER
VIDEO (TYP)

EX SERVICE
CONNECTION
(TYP)

EX 8" SAN

EX 6" WTR

REPLACE TO
EX CLEANOUT

REPLACE 28 LF

457
EBEN ST

EX 48" STORM

EX 12" STORM

MAIN ST

EX 6" WTR

EX GAS

EX 10" SAN

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SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	N	N	28	28

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	3	25	0

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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PROJECT NUMBER		
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LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

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EBEN ST**
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MAIN ST
EX 48" STORM

EX 10" SAN

EX SERVICE
CONNECTION
(TYP)

EX GAS

POSSIBLE
CO PER
VIDEO (TYP)

504
EBEN ST

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SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	N	Y	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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PROJECT NUMBER		
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LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

504

EBEN ST

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EBEN ST

MIDDLE ST

EX 6" WTR

EX 6" WTR

EX 8" SAN

EX GAS

533
EBEN ST

EX SERVICE
CONNECTION
(TYP)

REPLACE LF

0 5 10 20 FT

SEE LEGEND ON PAGE 4

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N		

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS

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PROJECT NUMBER		
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LATERAL 3R PROGRAM PHASE 1	
CITY OF NEW HAVEN ENGINEERING DEPARTMENT	
NEW HAVEN, INDIANA	

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EBEN ST
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SUMMARY OF WORK

SEWER				
CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	0
RESTORATION (LF)				
ASPH	CONC	GRASS	LNDS	
0	0	0	0	

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MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

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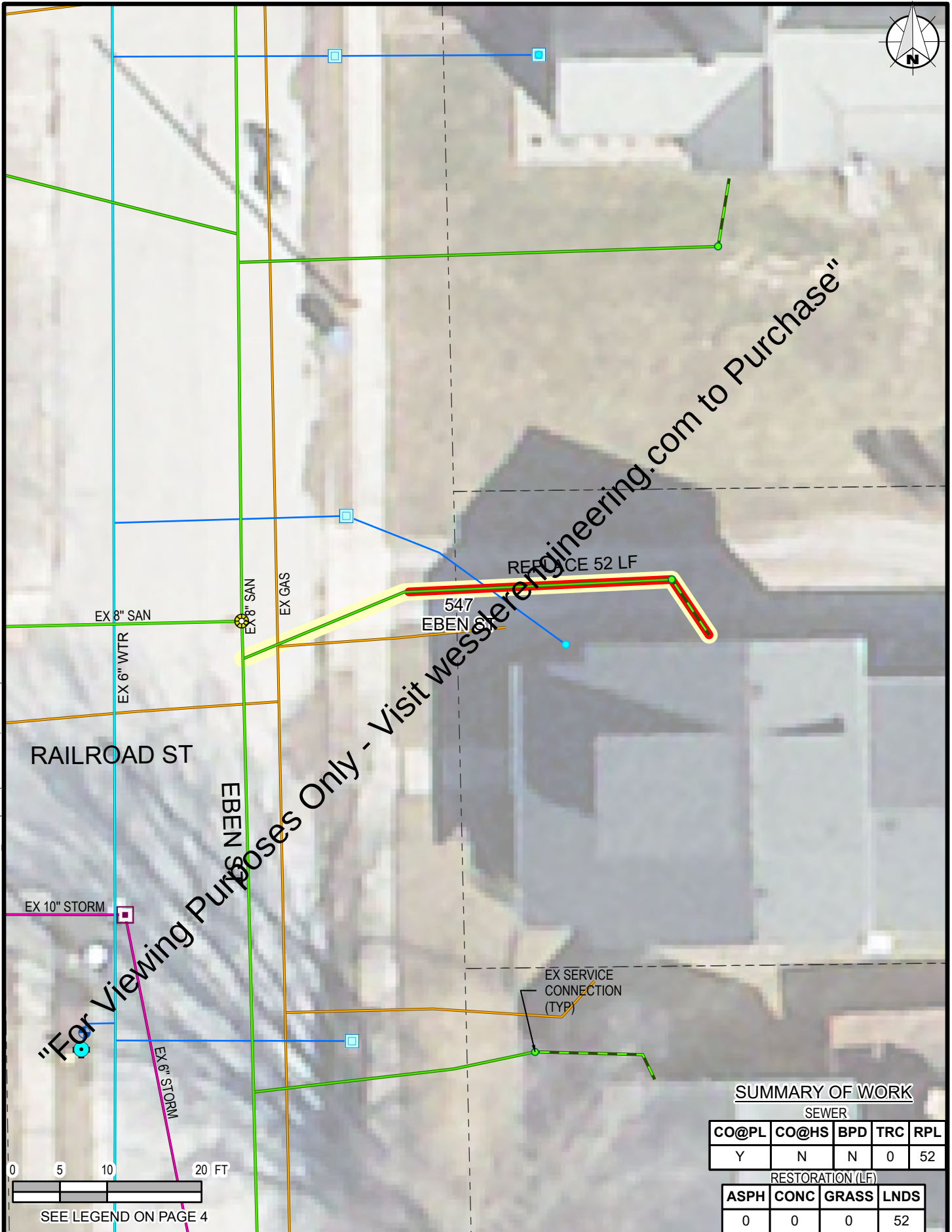
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EBEN ST

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SUMMARY OF WORK

SEWER				
CO@PL	CO@HS	BPD	TRC	RPL
Y	N	N	0	52
RESTORATION (LF)				
ASPH	CONC	GRASS	LNDS	
0	0	0	52	

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CITY OF NEW HAVEN ENGINEERING DEPARTMENT	
NEW HAVEN, INDIANA	

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EBEN ST
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RAILROAD ST

EX 8" SAN

EX 10" STORM

EX 6" WTR

EX 6" WTR

EX 8" SAN

EX GAS

EX SERVICE CONNECTION (TYP)

551 EBEN ST

POSSIBLE CO PER VIDEO (TYP)

EX 6" STORM

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

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CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

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EBEN ST**

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RAILROAD ST

EX 10" STORM

EX SERVICE CONNECTION (TYP)

EX 8" SAN

EX GAS

EX 6" WTR

EX 6" WTR

EX 6" STORM

POSSIBLE CO RER VIDEO (TYP)

EBEN ST

553
EBEN ST

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SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

553

EBEN ST

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EX SERVICE
CONNECTION
(TYP)

GREEN ST

127
GREEN ST

REPLACE 42 LF

EX 8" WTR

EX GAS

EX 15" SAN

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SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	42	42

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	12	30

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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NEW HAVEN, INDIANA

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GREEN ST**
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GREEN ST

EX 8" WTR
209
GREEN ST

EX GAS

EX 15" SAN

REPLACE 40 LF

EX SERVICE
CONNECTION
(TYP)

0 5 10 20 FT

SEE LEGEND ON PAGE 4

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	40	40

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	19	21

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GREEN ST
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GREEN ST

EX SERVICE
CONNECTION
(TYP)

REPLACE TO
EX CLEANOUT

REPLACE 97 LF

POSSIBLE
CO PER
VIDEO (TYP)

213
GREEN ST

EX 8" WTR EX GAS

EX 15" SAN

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SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	N	N	97	97

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	62	35



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NEW HAVEN, INDIANA

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GREEN ST
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GREEN ST

EX 8" WTR

EX GAS

EX 15" SAN

REPLACE 60 LF

217
GREEN ST

POSSIBLE
CO PER
VIDEO (TYP)

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0 5 10 20 FT

SEE LEGEND ON PAGE 4

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	N	Y	0	50

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	50	0

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CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

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GREEN ST
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SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	70	70

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	67	3

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NEW HAVEN, INDIANA

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GREEN ST
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GREEN ST

EX 8" WTR

EX 15" SAN



315 GREEN ST REPAIR 60 LF

EX SERVICE CONNECTION (TYP)

EX 15" STORM

EX 8" WTR

EX GAS

EX 15" SAN

EX 0" STORM

0 5 10 20 FT

SEE LEGEND ON PAGE 4

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	60

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	60	0

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NEW HAVEN, INDIANA

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GREEN ST**
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320 GREEN ST
REPLACE
23 LF

EX SERVICE
CONNECTION
(TYP)

GREEN
ST

EX 0" STORM
EX 8" WTR
EX GAS
EX 15" SAN

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	23

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	23	0

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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CITY OF NEW HAVEN ENGINEERING DEPARTMENT NEW HAVEN, INDIANA	

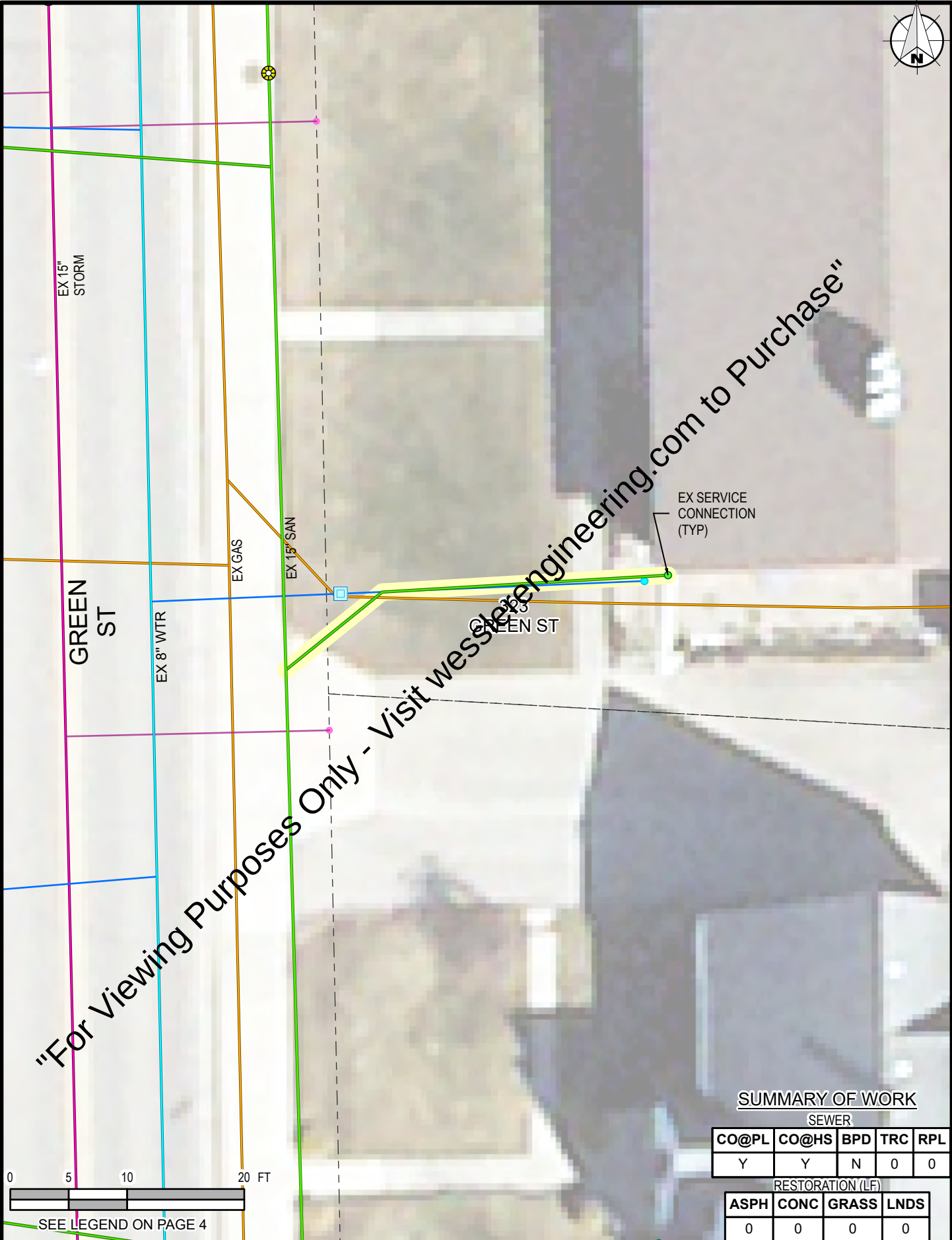
320 GREEN ST
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SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

323

GREEN ST

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324
GREEN ST

EX SERVICE
CONNECTION
(TYP)

EX 0" STORM

EX 8" WTR

EX GAS

EX 15" SAN

GREEN
ST

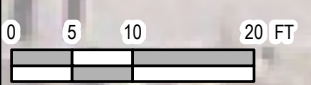
EX 15" STORM

SUMMARY OF WORK
SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	N	N	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0



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NEW HAVEN, INDIANA

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GREEN ST**
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332
GREEN ST

EX SERVICE
CONNECTION
(TYP)

GREEN
ST

EX 8" WTR

EX GAS

EX 15" SAN

EX 15"
STORM

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SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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NEW HAVEN, INDIANA

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GREEN ST

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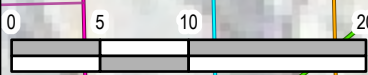
SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	25

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	20	5



SEE LEGEND ON PAGE 4

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LATERAL 3R PROGRAM PHASE 1
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GREEN ST
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GREEN ST

EX 8" WTR

EX GAS

EX 15" SAN

339 GREEN ST

EX SERVICE CONNECTION (TYP)

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0 5 10 20 FT

SEE LEGEND ON PAGE 4

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

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CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

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GREEN ST**

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342
GREEN ST

EX SERVICE
CONNECTION
(TYP)

GREEN ST
EX 15" STORM

EX 8" WTR

EX GAS

EX 15" SAN

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

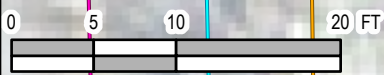
**342
GREEN ST**

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SUMMARY OF WORK

SEWER				
CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	33
RESTORATION (LF)				
ASPH	CONC	GRASS	LNDS	
0	0	29	4	

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LATERAL 3R PROGRAM PHASE 1
CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

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GREEN ST**
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348
GREEN ST

REPLACE 22 LF

EX SERVICE
CONNECTION
(TYP)

EX 8" WTR

EX GAS

EX 15" SAN

GREEN ST

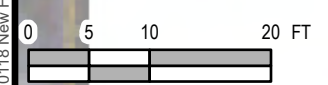
EX 15" STORM

SUMMARY OF WORK
SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	22

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	18	4



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NEW HAVEN, INDIANA	

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GREEN ST
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GREEN ST

EX 8" WTR

EX GAS

EX 15" SAN

351 GREEN ST

EX SERVICE CONNECTION (TYP)

REPLACE 52 LF

EX 15" STORM

0 5 10 20 FT

SEE LEGEND ON PAGE 4

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	52

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	52	0

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GREEN ST**
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354
GREEN ST
REPLACE
10 LF
EX SERVICE
CONNECTION
(TYP)

GREEN ST

EX 15" STORM

EX 8" WTR

EX GAS

EX 15" SAN

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	10

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	2	8

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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LATERAL 3R PROGRAM PHASE 1
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NEW HAVEN, INDIANA

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GREEN ST**
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357
GREEN ST

EX SERVICE
CONNECTION
(TYP)

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EX 8" WTR

EX 48" STORM

EX 15" SAN

EX GAS

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

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GREEN ST**

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EX SERVICE
CONNECTION
(TYP)

360
GREEN ST

GREEN ST

CANAL ST

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EX 6" WTR

EX 8" WTR

EX GAS

EX 15" SAN

EX 15" STORM

EX 8" WTR

EX 8" WTR

EX 48" STORM

EX 8" SAN

EX 8" STORM

SUMMARY OF WORK
SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

**360
GREEN ST**

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EX 6" WTR

CANAL ST
EX 48" STORM

EX 8" SAN

EX GAS

404
GREEN ST

REPLACE 20 LF

POSSIBLE
CO PER
VIDEO (TYP)

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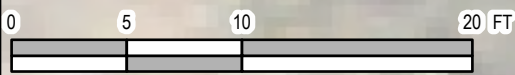
SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	20	20

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	20



SEE LEGEND ON PAGE 4

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MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1	
CITY OF NEW HAVEN ENGINEERING DEPARTMENT	
NEW HAVEN, INDIANA	

404
GREEN ST
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POSSIBLE
CO PER
VIDEO (TYP)

EX SERVICE
CONNECTION
(TYP)

408
GREEN ST

REPLACE
15 LF

GREEN ST

EX 8" WTR

EX GAS

EX 8" SAN

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SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	N	Y	0	15

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	11	4

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

**408
GREEN ST**
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POSSIBLE
CO PER
VIDEO (TYP)

414
GREEN ST

REPLACE 21 LF

GREEN ST

EX 8" WTR

EX GAS

EX 8" SAN

EX SERVICE
CONNECTION
(TYP)

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	N	Y	0	21

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	18	3

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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MRE	JLJ	CAH
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LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

414
GREEN ST
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GREEN ST

EX 8" WTR
EX GAS

EX 8" SAN

415
GREEN ST

EX SERVICE
CONNECTION
(TYP)

0 5 10 20' FT

SEE LEGEND ON PAGE 4

SUMMARY OF WORK

SEWER				
CO@PL	CO@HS	BPD	TRC	RPL
Y	N	Y	0	0
RESTORATION (LF)				
ASPH	CONC	GRASS	LNDS	
0	0	0	0	

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LATERAL 3R PROGRAM PHASE 1	
CITY OF NEW HAVEN ENGINEERING DEPARTMENT	
NEW HAVEN, INDIANA	

415
GREEN ST
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POSSIBLE
CO PER
VIDEO (TYP)

418
GREEN ST

EX SERVICE
CONNECTION
(TYP)

GREEN ST

EX 8" WTR

EX GAS

EX 8" SAN

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

418
GREEN ST
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422
GREEN ST

EX SERVICE
CONNECTION
(TYP)

GREEN ST

EX 8" WTR

EX 8" SAN

EX GAS

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

0 5 10 20 FT



SEE LEGEND ON PAGE 4

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PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

422
GREEN ST



GREEN ST

EX 8" WTR

EX GAS

EX 8" SAN

EX SERVICE
CONNECTION
(TYP)

GREEN ST

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0 5 10 20 FT

SEE LEGEND ON PAGE 4

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	N	N	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

DRAWN BY	CHECKED BY	APPROVED BY
MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

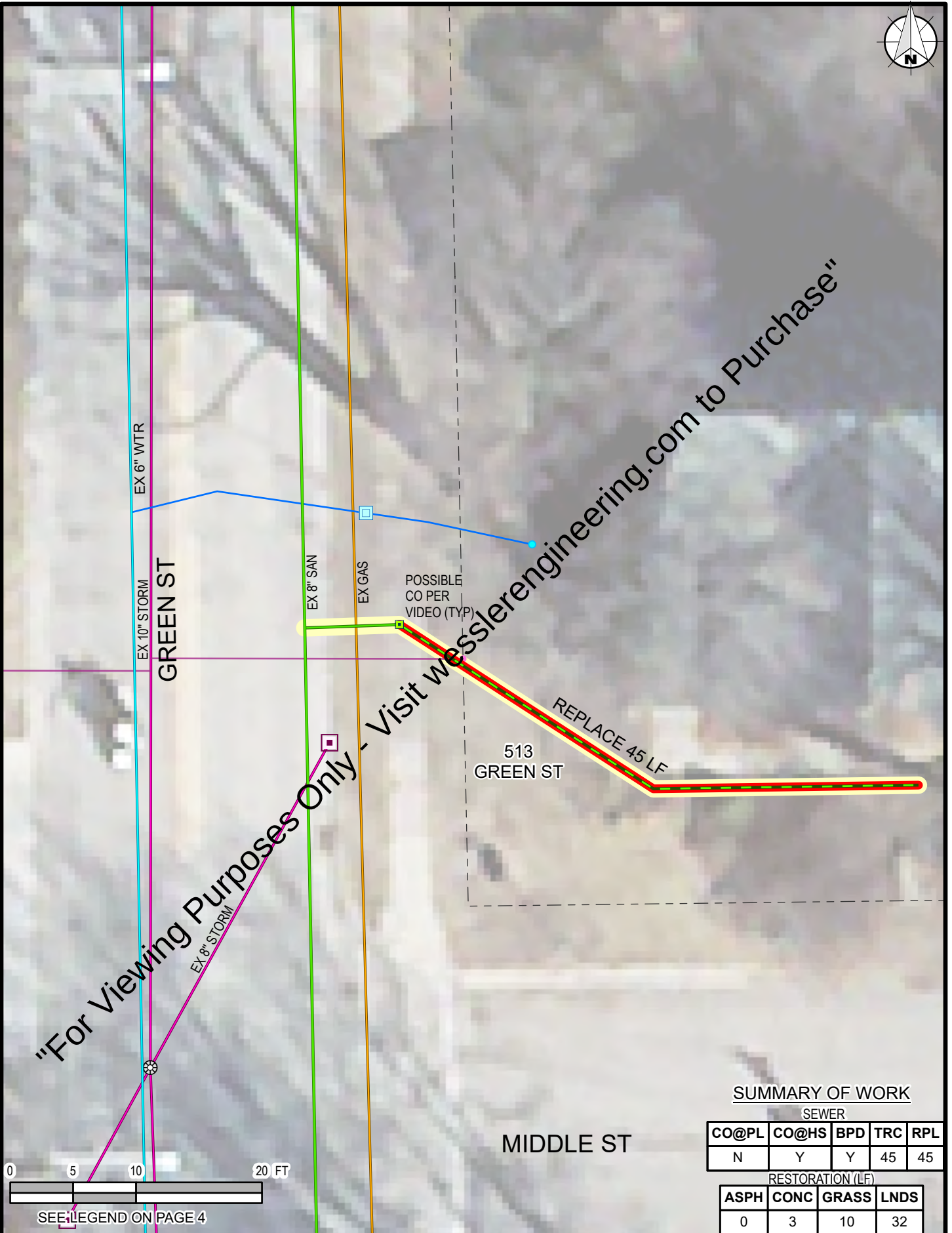
423

GREEN ST

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SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
N	Y	Y	45	45

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	3	10	32

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PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

**513
GREEN ST**
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520
GREEN ST

POSSIBLE
CO PER
VIDEO (TYP)

MIDDLE ST

GREEN ST
10" STORM

EX 8" STORM

EX 8" EX

EX GAS

EX 6" WTR

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	Y	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1	
CITY OF NEW HAVEN ENGINEERING DEPARTMENT NEW HAVEN, INDIANA	

520 GREEN ST
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MIDDLE ST

GREEN ST

EX 8" STORM

EX 10" STORM

EX 6" WTR

EX 8" SAN

POSSIBLE
CO PER
VIDEO (TYP)

EX GAS

REPLACE 38 LF

523
GREEN ST

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SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	N	N	38	38

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	30	0	8

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

**523
GREEN ST**

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524
GREEN ST

POSSIBLE
CO PER
VIDEO (TYP)

MIDDLE ST

EX 8" STORM

EX 10" STORM

GREEN
ST

EX 8" SAN

EX GAS

EX 6" WTR

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	Y	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

SEE LEGEND ON PAGE 4

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MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

**524
GREEN ST**
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POSSIBLE
CO PER
VIDEO (TYP)

526
GREEN ST

EX 10" STORM

GREEN
ST

EX 8" SAN

EX GAS

EX 6" WTR

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	Y	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

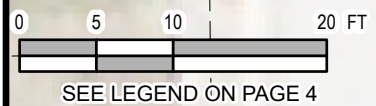
**526
GREEN ST**

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SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

DRAWN BY	CHECKED BY	APPROVED BY
MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1	
CITY OF NEW HAVEN ENGINEERING DEPARTMENT	
NEW HAVEN, INDIANA	

421
HENRY
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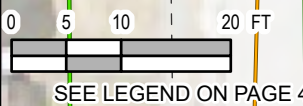


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SUMMARY OF WORK

SEWER				
CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	0
RESTORATION (LF)				
ASPH	CONC	GRASS	LNDS	
0	0	0	0	

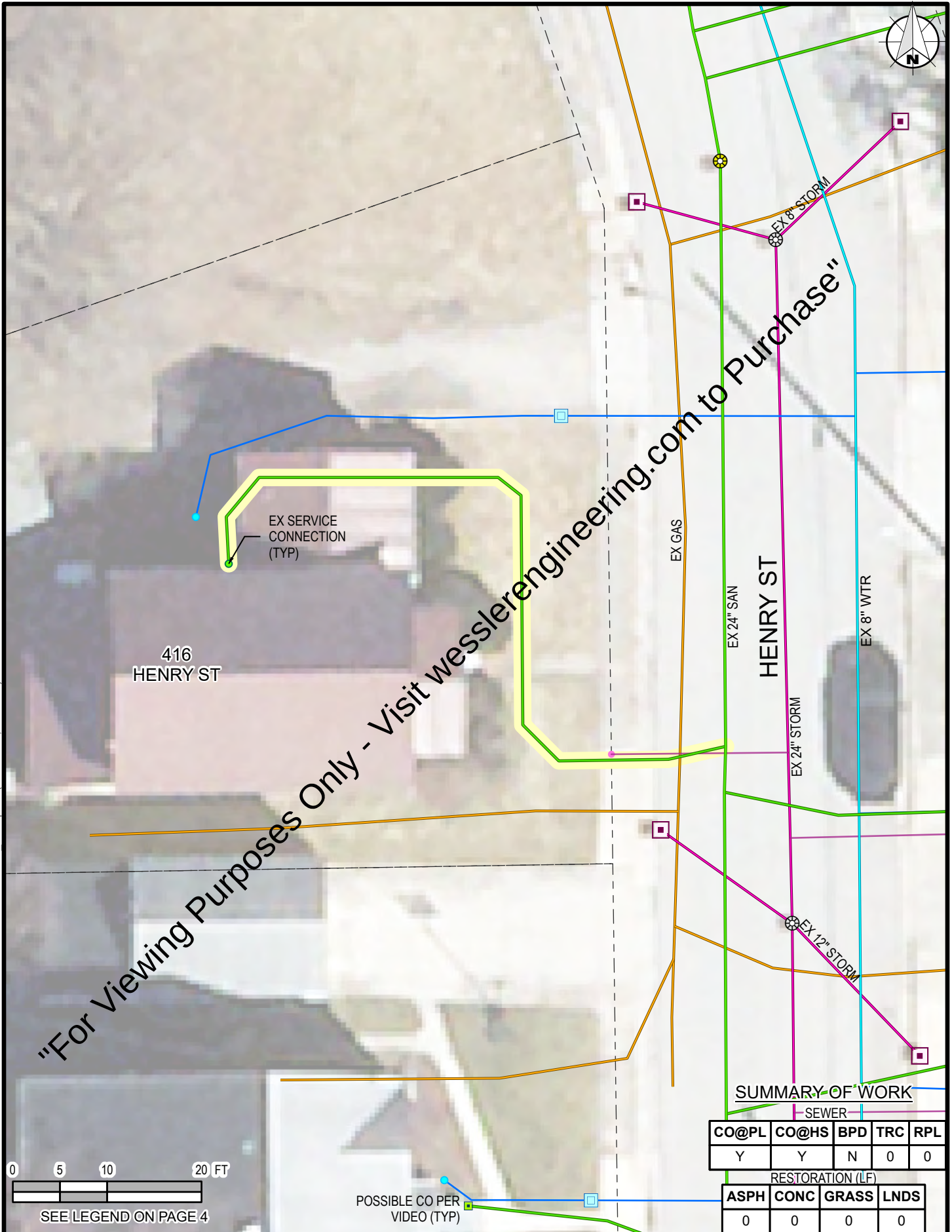


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MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1
CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

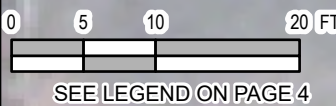
415 HENRY ST
PAGE 87 of 151

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SUMMARY OF WORK

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	0
RESTORATION (LF)				
ASPH	CONC	GRASS	LNDS	
0	0	0	0	



POSSIBLE CO PER VIDEO (TYP)

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MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1
CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

416 HENRY ST
PAGE 88 of 151



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417
HENRY ST

HENRY ST

EX 24" STORM

EX 24" SAN

EX 8" STORM

EX 8" STORM

EX SERVICE
CONNECTION
(TYP)

EX 12" STORM

0 5 10 20 FT

SEE LEGEND ON PAGE 4

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

DRAWN BY	CHECKED BY	APPROVED BY
MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

417

HENRY ST

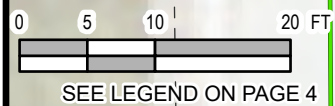
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SUMMARY OF WORK

SEWER				
CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	0
RESTORATION (LF)				
ASPH	CONC	GRASS	LNDS	
0	0	0	0	

DRAWN BY	CHECKED BY	APPROVED BY
MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1
CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

419
HENRY ST
PAGE 90 of 151



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432
HENRY ST
REPLACE
15 LF
POSSIBLE
CO PER
VIDEO (TYP)

EX GAS

EX 12" STORM

EX 24" SAN

HENRY ST

EX 24" STORM

EX 8" WTR

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	N	N	15	15

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	2	13	0



SEE LEGEND ON PAGE 4

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MRE	JLJ	CAH
PROJECT NUMBER		
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LATERAL 3R PROGRAM PHASE 1
CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

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HENRY ST
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945
MAIN ST

POSSIBLE
CO PER
VIDEO (TYP)

REPLACE
10 LF

EX GAS

EX 6" SAN

EX 8" STORM

EX 48" S

MAIN ST
EX 42" STORM

EX 24" SAN

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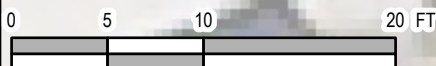
SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	10

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	7	3



SEE LEGEND ON PAGE 4

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PROJECT NUMBER		
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LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

945

MAIN ST

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POSSIBLE
CO PER
VIDEO (TYP)

TERMINATE
REPLACEMENT
PRIOR TO PORCH

REPLACE 50 LF

EX SERVICE
CONNECTION
(TYP)

EX GAS

EX 6" WTR

1001
MAIN ST

MAIN ST

EX 48" STORM

EX 42" STORM

EX 8" STORM

EX 24" SAN

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	50

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	3	44	3

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

1001

MAIN ST

PAGE 93 of 151



EX SERVICE
CONNECTION
(TYP)

REPLACE
15 LF

EX GAS

EX 16" WTR

1003
MAIN ST

MAIN ST

EX 48" STORM

EX 24" SAN

EX 8" STORM

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	15

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	5	10

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

1003

MAIN ST

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1009
MAIN ST

EX SERVICE
CONNECTION
(TYP)

EX GAS

EX 6" WTR

EX 12" STORM

MAIN ST

EX 48" STORM

EX 24" SAN

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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PROJECT NUMBER		
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LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

1009

MAIN ST

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1015
MAIN ST

EX SERVICE
CONNECTION
(TYP)

EX GAS
EX 6" WTR

MAIN ST

EX 48" STORM

EX 12" STORM

EX 24" SAN

SUMMARY OF WORK

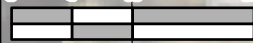
SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	N	N	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

0 5 10 20 FT



SEE LEGEND ON PAGE 4

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PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1	
CITY OF NEW HAVEN ENGINEERING DEPARTMENT	
NEW HAVEN, INDIANA	

1015
MAIN ST
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1021
MAIN ST

EX SERVICE
CONNECTION
(TYP)

REPLACE
10 LF

EX 24" SAN

EX 24" STORM

EX 8" WTR

EX GAS

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	N	N	0	10

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	10	0

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1	
CITY OF NEW HAVEN ENGINEERING DEPARTMENT	
NEW HAVEN, INDIANA	

**1021
MAIN ST**
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CO PER
VIDEO (TYP)

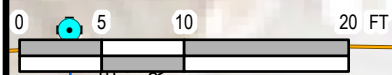
SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	N	N	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0



SEE LEGEND ON PAGE 4

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MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1	
CITY OF NEW HAVEN ENGINEERING DEPARTMENT	
NEW HAVEN, INDIANA	

1031
MAIN ST
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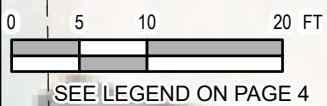


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EX 6" WTR
1039
MAIN ST
MAIN ST
EX 48" STORM
EX 10" SAN

EX SERVICE
CONNECTION
(TYP)



SEE LEGEND ON PAGE 4

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

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PROJECT NUMBER		
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LATERAL 3R PROGRAM PHASE 1	
CITY OF NEW HAVEN ENGINEERING DEPARTMENT	
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1039
MAIN ST
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1049
MAIN ST

REPLACE
9 LF

POSSIBLE
CUT PER
VIDEO (TYP)

EX 8" SAN

EBEN ST

EX 48" STORM

EX 6" WTR

EX GAS

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	N	N	0	9

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	9	0

0 5 10 20 FT

SEE LEGEND ON PAGE 4

EX 6" WTR

EX 12"
STORM

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PROJECT NUMBER		
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LATERAL 3R PROGRAM PHASE 1	
CITY OF NEW HAVEN ENGINEERING DEPARTMENT	
NEW HAVEN, INDIANA	

1049
MAIN ST
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932
MIDDLE ST

REPLACE 33 LF

EX SERVICE
CONNECTION
(TYP)

EX GAS

RAILROAD ST

EX 8" SAN

ANN
ST

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	33

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	33	0

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

**932
MIDDLE ST**
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REPLACE 37 LF

EX SERVICE
CONNECTION
(TYP)

1004
MIDDLE ST

EX GAS

RAILROAD ST

EX 8" SAN

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	37	37

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
22	0	0	15

0 5 10 20 FT

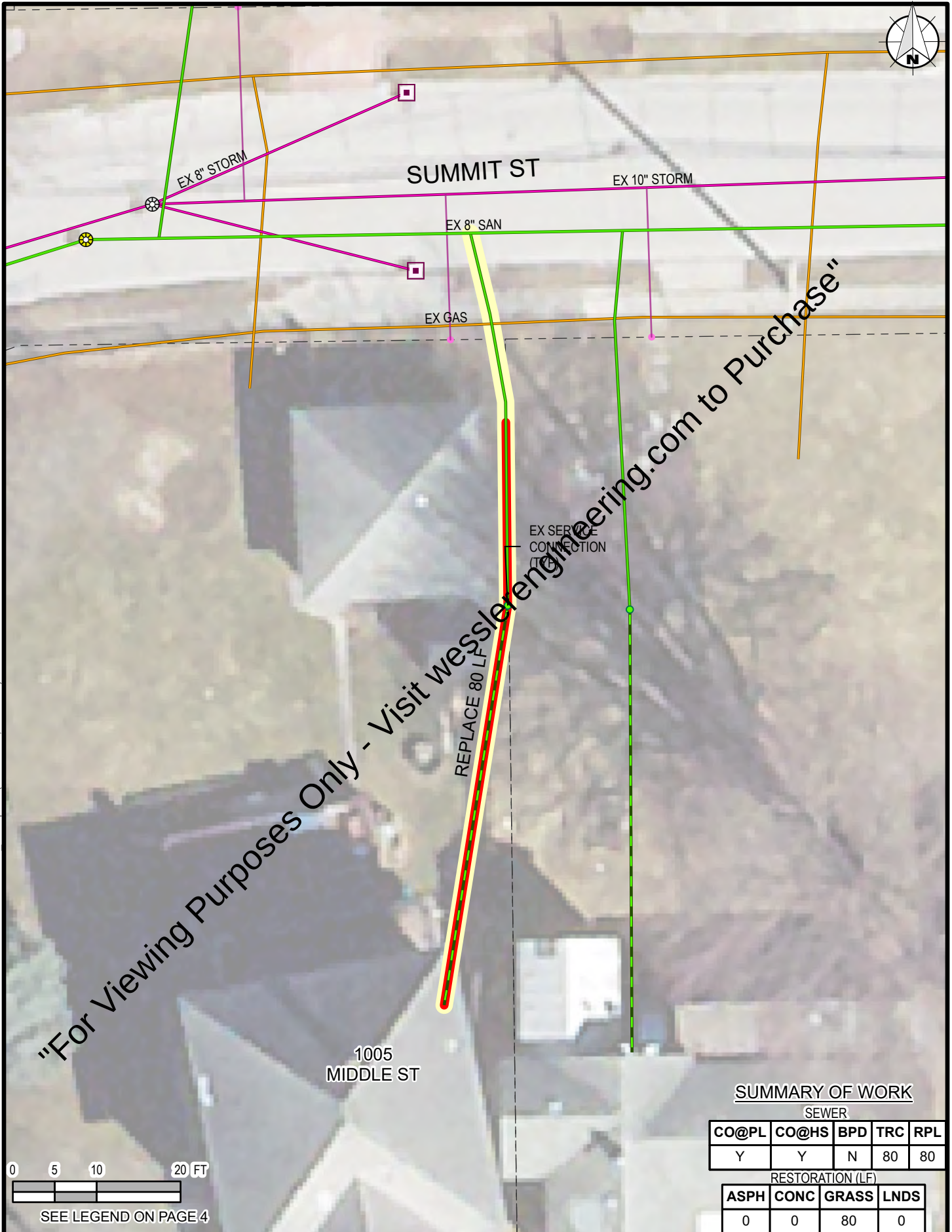
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PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1

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NEW HAVEN, INDIANA

**1004
MIDDLE ST**
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SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	80	80

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	80	0

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1

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NEW HAVEN, INDIANA

**1005
MIDDLE ST**

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SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	90	90

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	90	0

0 5 10 20 FT



SEE LEGEND ON PAGE 4

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LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

1007
MIDDLE ST

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EX GAS

SUMMIT ST

EX 10" STORM

EX 8" SAN

EX SERVICE
CONNECTION
(TYP)

1015
MIDDLE ST

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0 5 10 20 FT

SEE LEGEND ON PAGE 4

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

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PROJECT NUMBER		
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LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

**1015
MIDDLE ST**

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REPLACE 53 LF

1016
MIDDLE ST

EX GAS

RAILROAD ST

EX 8" SAN

EX SERVICE
CONNECTION
(TYP)

0 5 10 20 FT

SEE LEGEND ON PAGE 4

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	53

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	50	3

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CITY OF NEW HAVEN ENGINEERING DEPARTMENT	
NEW HAVEN, INDIANA	

1016
MIDDLE ST
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SUMMARY OF WORK

SEWER				
CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	Y	58	58
RESTORATION (LF)				
ASPH	CONC	GRASS	LNDS	
0	3	55	0	

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LATERAL 3R PROGRAM PHASE 1	
CITY OF NEW HAVEN ENGINEERING DEPARTMENT	
NEW HAVEN, INDIANA	

1021 MIDDLE ST
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1022
MIDDLE ST

TERMINATE
REPLACEMENT
PRIOR TO SHED

EX SERVICE
CONNECTION
(TYP)

REPLACE 40 LF

EX GAS
RAILROAD ST

EX 6" STORM

EX 8" SAN

SUMMARY OF WORK
SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	40	40

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	3	37	0

0 5 10 20 FT

SEE LEGEND ON PAGE 4

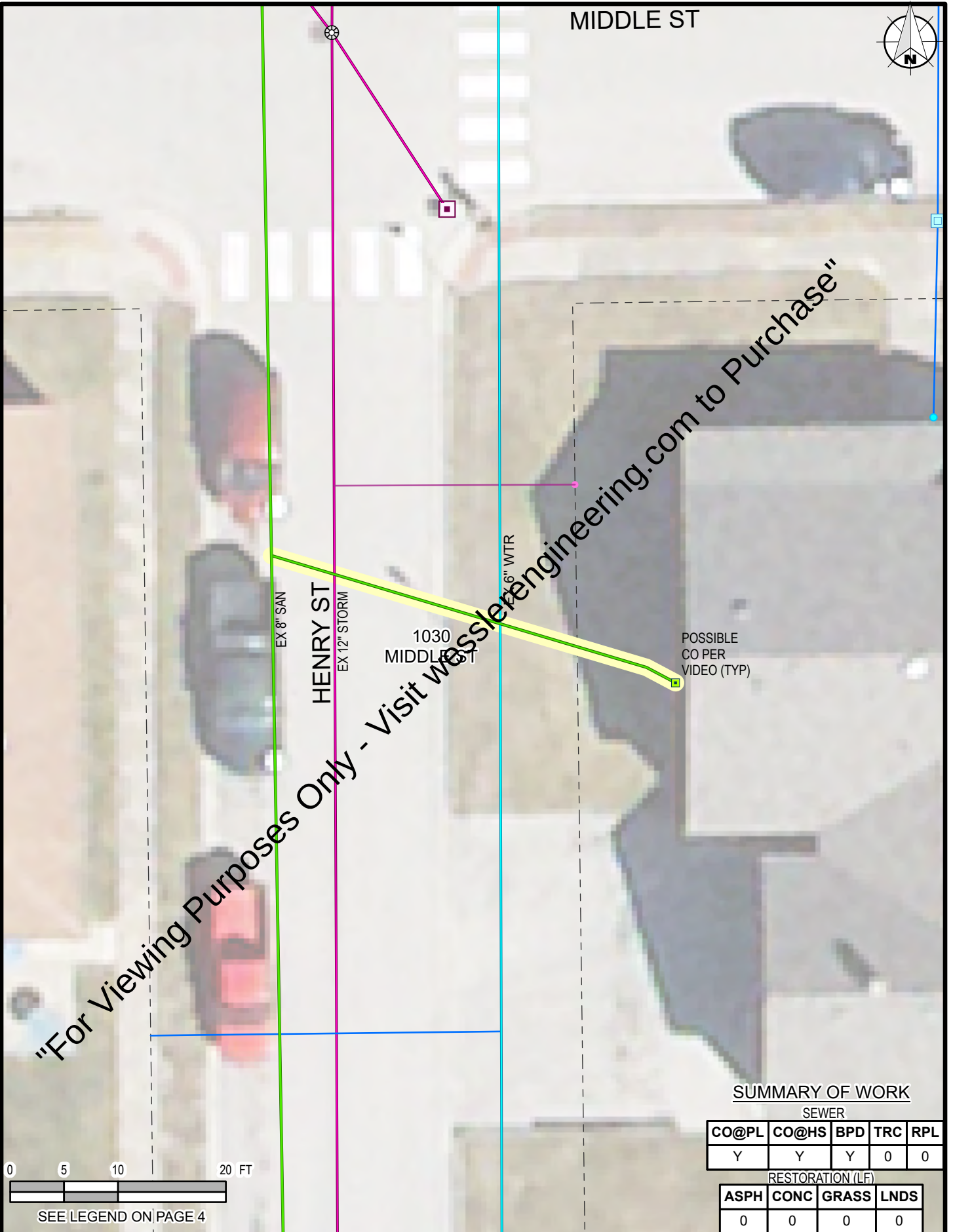
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LATERAL 3R PROGRAM PHASE 1

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NEW HAVEN, INDIANA

**1022
MIDDLE ST**
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0 5 10 20 FT

SEE LEGEND ON PAGE 4

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	Y	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

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LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

1030
MIDDLE ST

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EX GAS

EX 12" STORM EX 8" WTR

SUMMIT
ST
EX 8" SAN

REPLACE 29 LF

EX SERVICE
CONNECTION
(TYP)

1043
MIDDLE ST

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SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	29

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	29	0

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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NEW HAVEN, INDIANA	

1043
MIDDLE ST
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EX SERVICE
CONNECTION
(TYP)

REPLACE 30 LF

1044
MIDDLE ST

POSSIBLE
COPPER
WPEO (TYP)

EX 8" SAN

EX GAS

RAILROAD ST

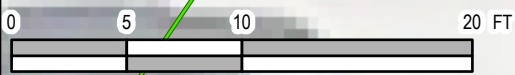
SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	30	30

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	30	0



SEE LEGEND ON PAGE 4

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1044 MIDDLE ST
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1050
MIDDLE ST

EX SERVICE
CONNECTION
(TYP)

EBEN ST

EX 6" WTR

EX 8" SAN

EX GAS

EX 8" SAN

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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MIDDLE ST
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EX GAS

RAILROAD ST

EX 8" SAN

1010
RAILROAD ST

EX SERVICE
CONNECTION
(TYP)

REPLACE 14 LF

SUMMARY OF WORK

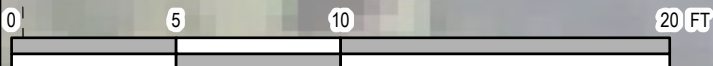
SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	14	14

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	14	0

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CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

**1010
RAILROAD ST**

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POSSIBLE
CO PER
VIDEO (TYP)

EX 8" SAN

EX GAS

RAILROAD ST

EX 4" STORM

EX SERVICE
CONNECTION
(TYP)

1038
RAILROAD ST

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	Y	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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PROJECT NUMBER		
210118-04-001		

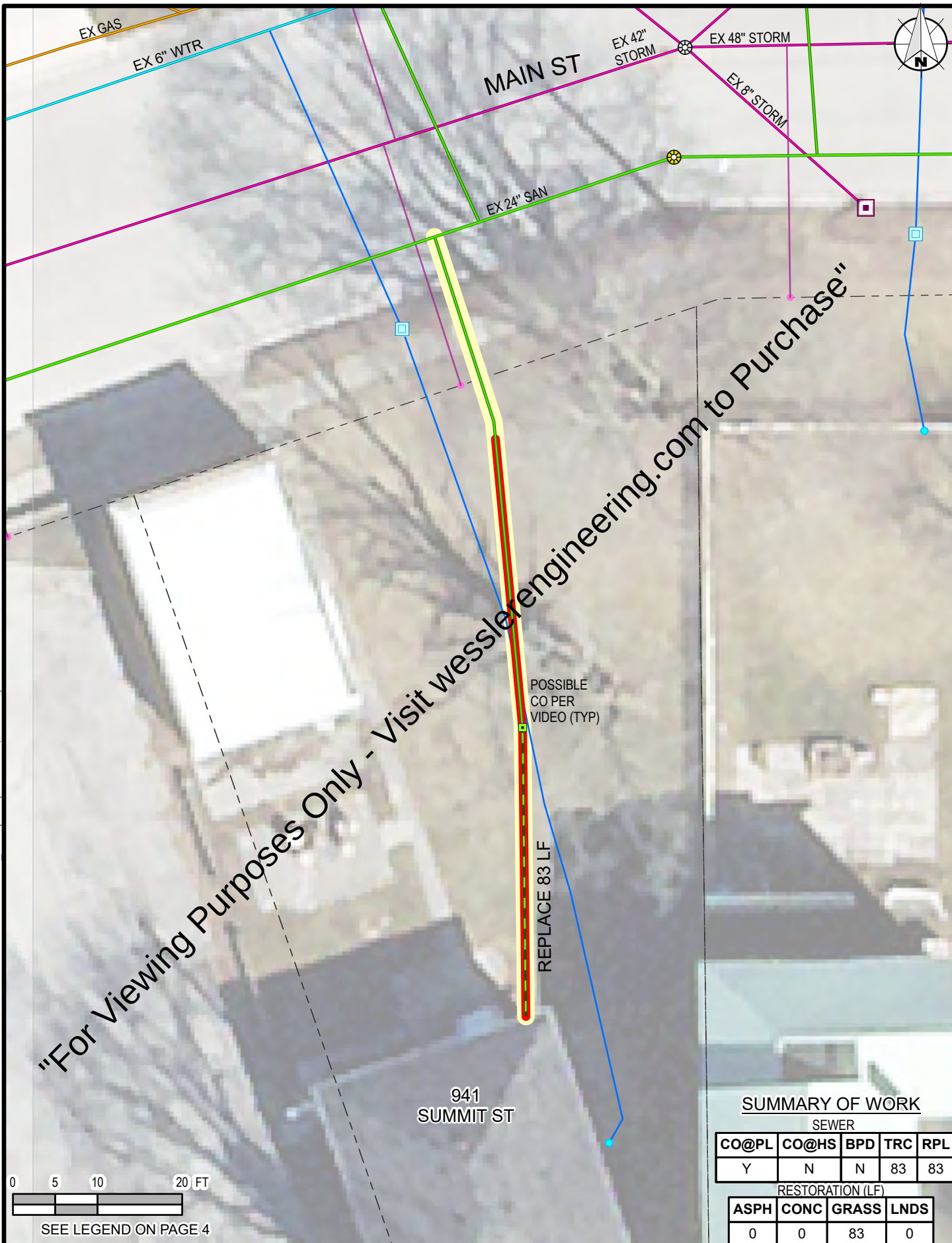
LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

**1038
RAILROAD ST**

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0 5 10 20 FT

SEE LEGEND ON PAGE 4

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LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	N	N	83	83

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	83	0

**941
SUMMIT ST**

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REPLACE 26 LF

POSSIBLE
CO PER
VIDEO (1)

1001
SUMMIT ST

SUMMIT ST

EX 8" STORM

EX 10" STORM

EX 8" SAN

EX GAS

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	Y	26	26

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	26	0

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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CITY OF NEW HAVEN ENGINEERING DEPARTMENT	
NEW HAVEN, INDIANA	

1001
SUMMIT ST
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EX SERVICE
CONNECTION
(TYP)

EX 8" SAN

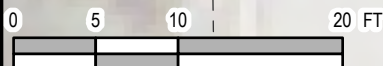
HENRY ST

EX 18" STORM

EX 8" WTR

1031
SUMMIT ST

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SEE LEGEND ON PAGE 4

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

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LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

**1031
SUMMIT ST**

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MAIN ST

EX 48" STORM

EX 10" SAN

CAP AND ABANDON EX
SERVICE (ASSUMED
UNDER GARAGE)

EX SERVICE
CONNECTION
(TYP)

1035
SUMMIT ST

INSTALL 99 LF

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SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	99	99

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	3	96	0



SEE LEGEND ON PAGE 4

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LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

**1035
SUMMIT ST**

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EX 48" STORM

MAIN ST

EX 10" SAN

EX SERVICE
CONNECTION
(TYP)

CAP AND ABANDON EX
SERVICE (ASSUMED
UNDER GARAGE)

POSSIBLE
CO PER
VIDEO (TYP)

EX GAS

1039
SUMMIT ST

INSTALL 90 LF

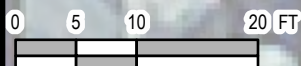
SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	90	90

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	7	83	0



SEE LEGEND ON PAGE 4

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LATERAL 3R PROGRAM PHASE 1

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NEW HAVEN, INDIANA

**1039
SUMMIT ST**

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EX 48" STORM

MAIN ST

EX 10" SAN

EX SERVICE
CONNECTION
(TYP)

POSSIBLE
CO PER
VIDEO (TYP)

1045
SUMMIT ST

INST
LATERAL
VIA HDD

REPLACE (VIA HDD) 62 LF

REPLACE TO
EX CLEANOUT

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	N	N	62	62

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

**1045
SUMMIT ST**

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1103
SUMMIT ST

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EX 8" WTR

EX 12" STORM

SUMMIT ST

EX 8" SAN

EX GAS

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	Y	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

0 5 10 20 FT
EX SCALE

SEE LEGEND ON PAGE 4

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LATERAL 3R PROGRAM PHASE 1

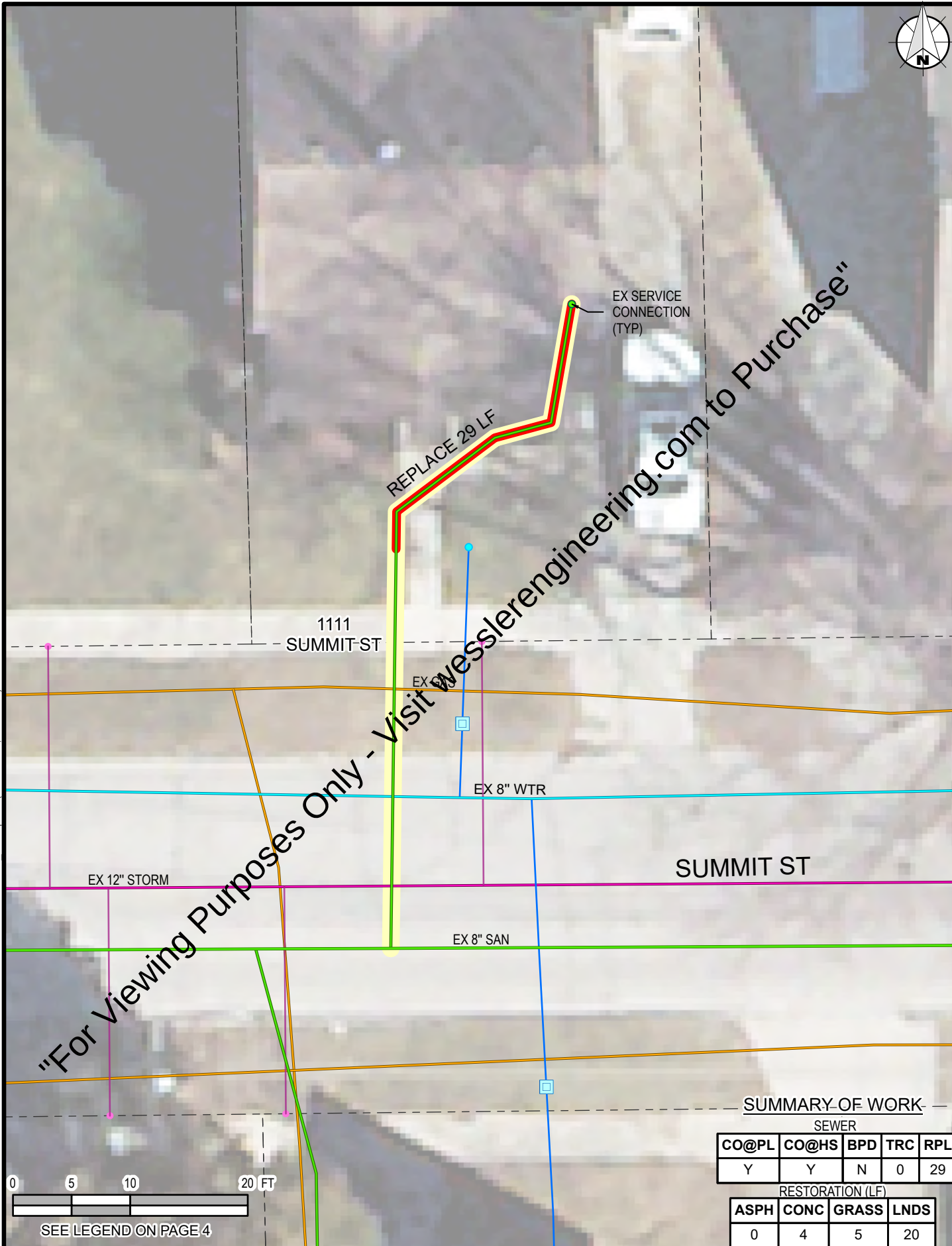
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NEW HAVEN, INDIANA

1103
SUMMIT ST
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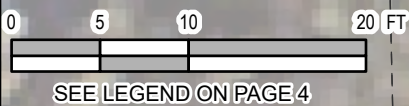
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SUMMARY OF WORK

SEWER				
CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	29

RESTORATION (LF)			
ASPH	CONC	GRASS	LNDS
0	4	5	20



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LATERAL 3R PROGRAM PHASE 1
CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

**1111
SUMMIT ST**
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1117
SUMMIT ST

EX SERVICE
CONNECTION
(TYP)

REPLACE
10 LF

POSSIBLE CO PER
VIDEO (TYP)

EX GAS

EX 8" WTR

SUMMIT ST

EX 12" STORM

EX 8" SAN

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	10

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	10	0

SEE LEGEND ON PAGE 4

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LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

**1117
SUMMIT ST**

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EX 8" WTR

SUMMIT ST

EX 12" STORM

EX 8" SAN

EX GAS

EX SERVICE CONNECTION (TYP)

REPLACE 17 LF

1118 SUMMIT ST

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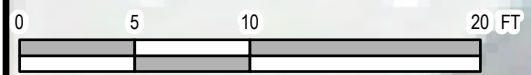
SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	N	N	0	17

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	17	0



SEE LEGEND ON PAGE 4

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PROJECT NUMBER		
210118-04-001		

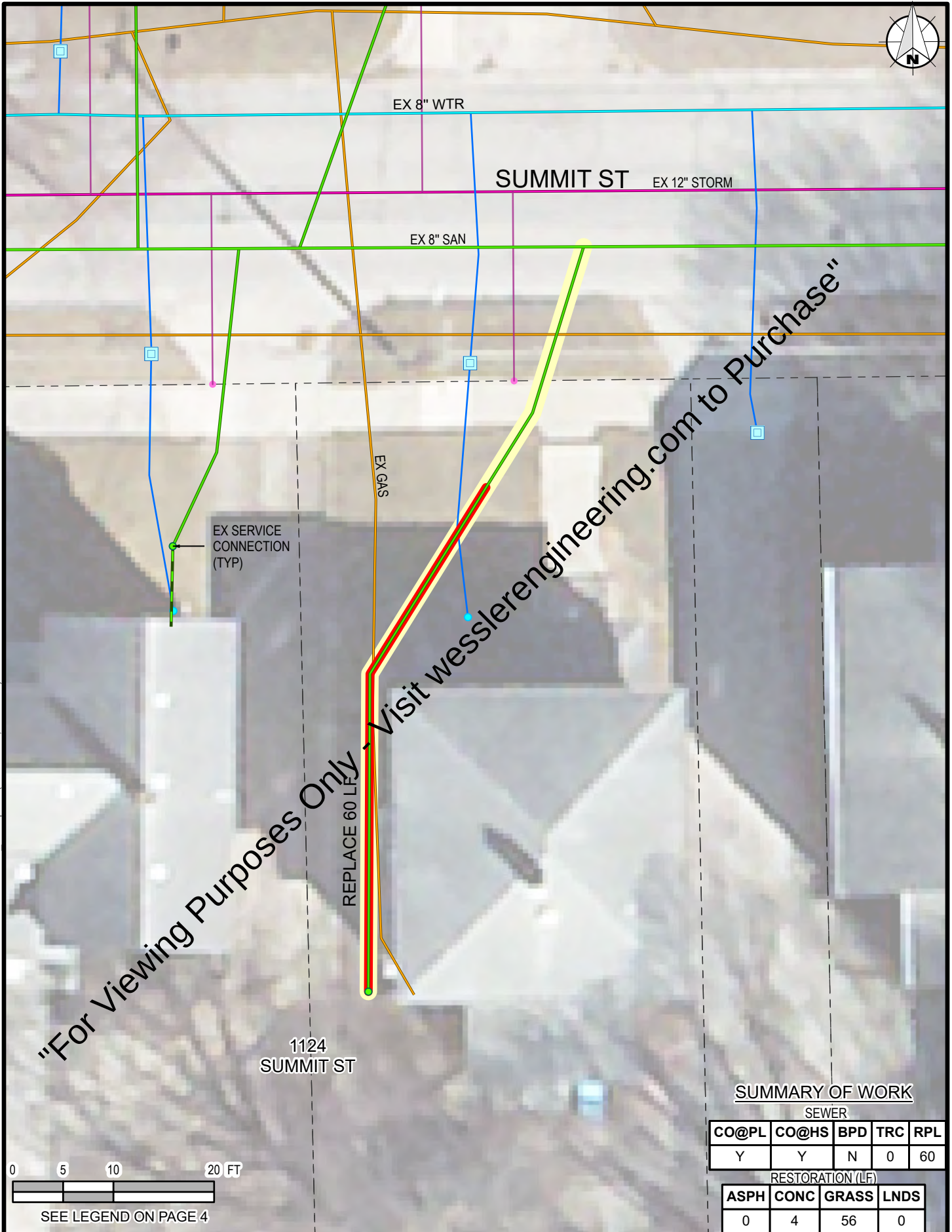
LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

1118

SUMMIT ST

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SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	60

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	4	56	0

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

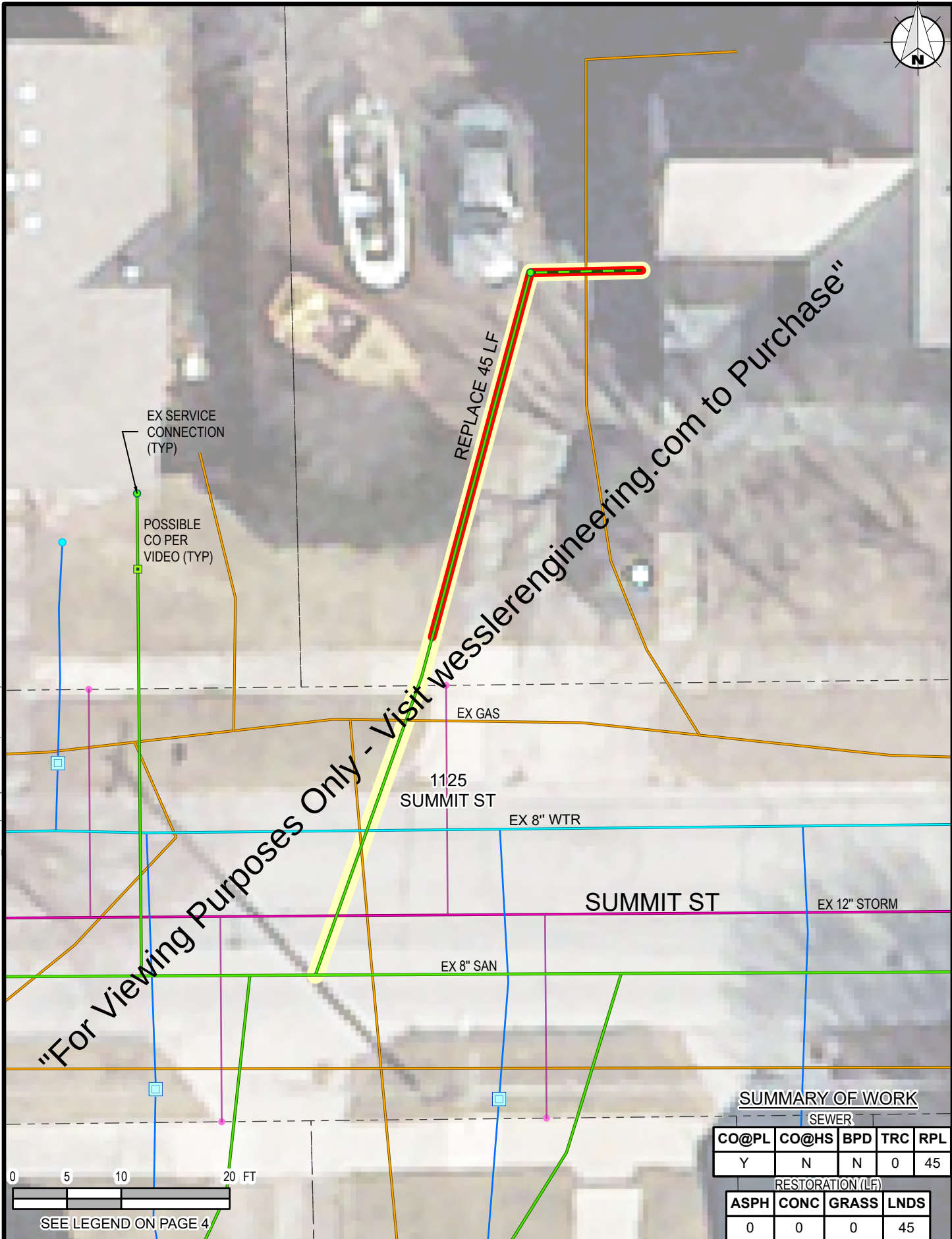
LATERAL 3R PROGRAM PHASE 1
CITY OF NEW HAVEN ENGINEERING DEPARTMENT NEW HAVEN, INDIANA

1124
SUMMIT ST
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0 5 10 20 FT

SEE LEGEND ON PAGE 4

SUMMARY OF WORK

SEWER				
CO@PL	CO@HS	BPD	TRC	RPL
Y	N	N	0	45
RESTORATION (LF)				
ASPH	CONC	GRASS	LNDS	
0	0	0	45	

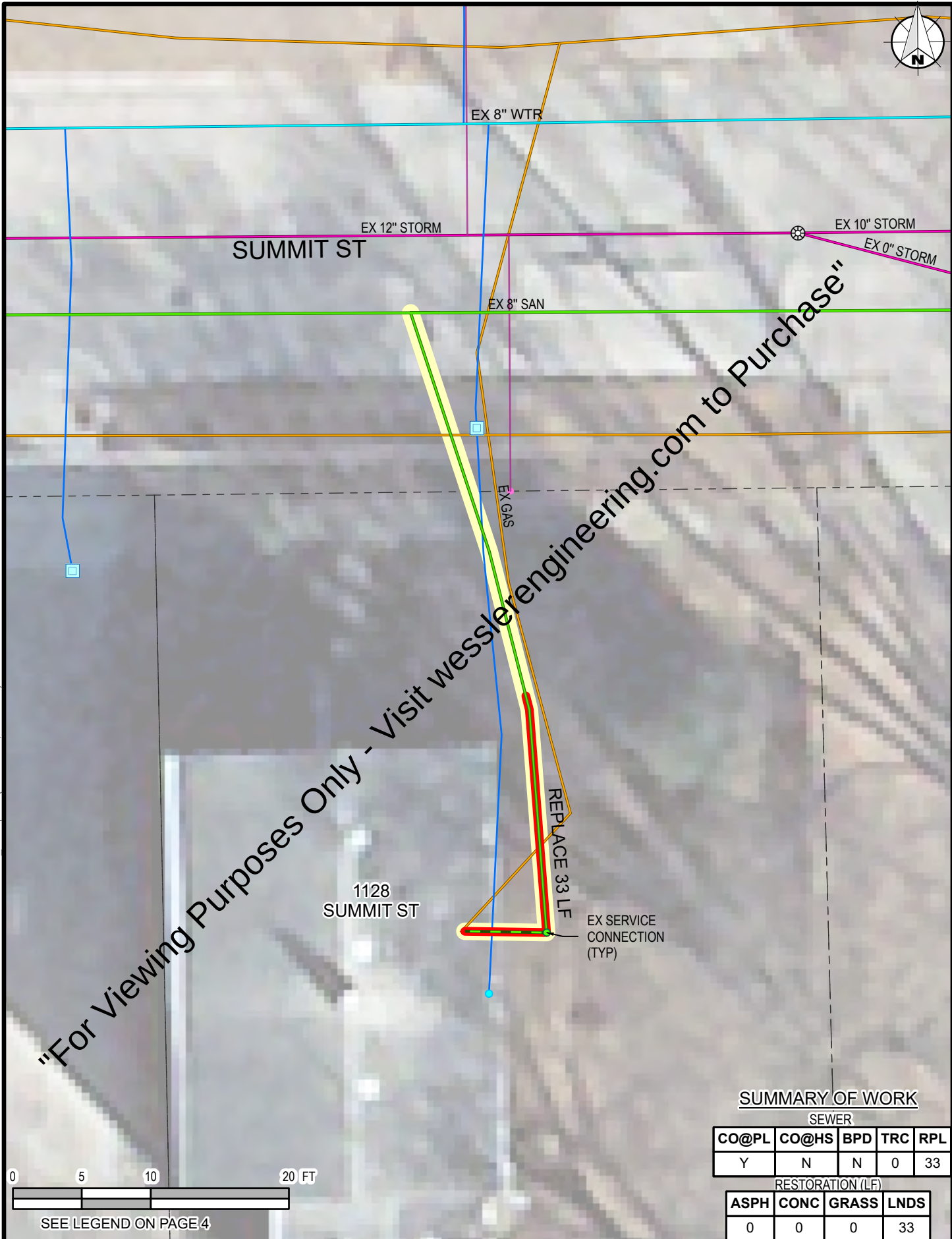
DRAWN BY	CHECKED BY	APPROVED BY
MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

**1125
SUMMIT ST**

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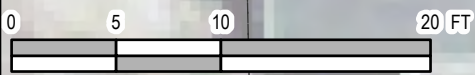
SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	N	N	0	33

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	33



SEE LEGEND ON PAGE 4

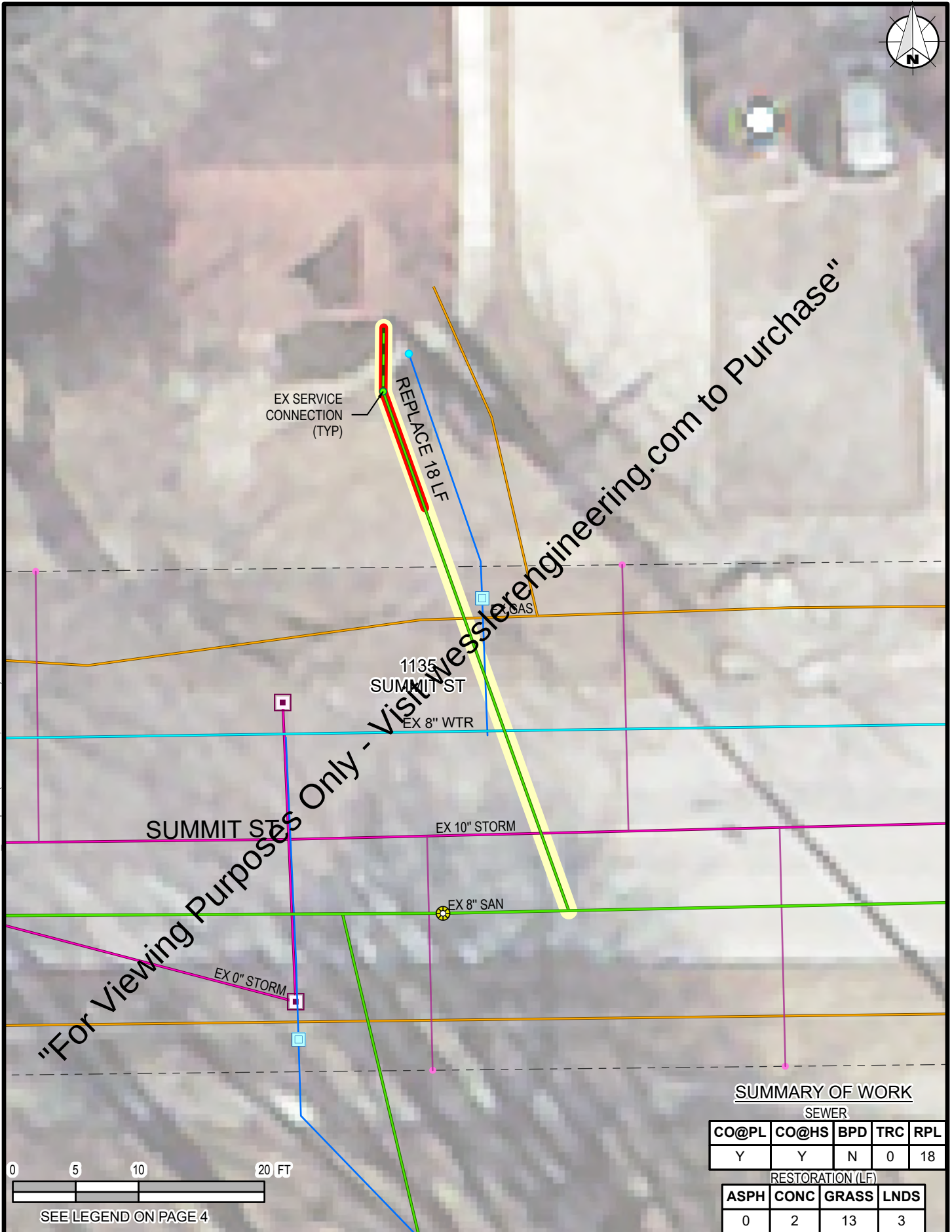
DRAWN BY	CHECKED BY	APPROVED BY
MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1
CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

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SUMMIT ST**
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SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	18

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	2	13	3



SEE LEGEND ON PAGE 4

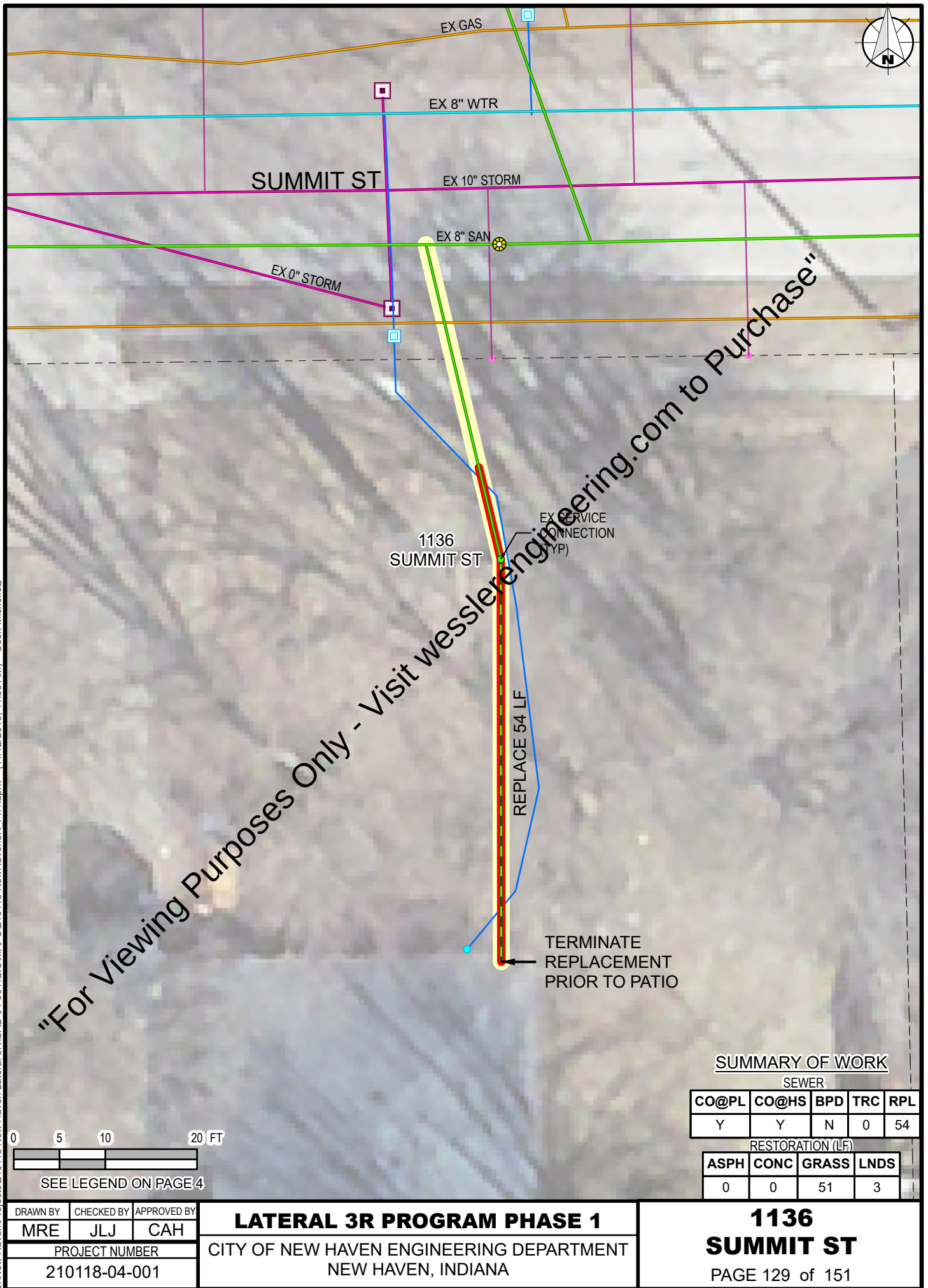
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MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

**1135
SUMMIT ST**
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0 5 10 20 FT



SEE LEGEND ON PAGE 4

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	54

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	51	3

DRAWN BY	CHECKED BY	APPROVED BY
MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

1136
SUMMIT ST
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1203
SUMMIT ST

POSSIBLE
CO PER
VIDEO (TYP)

REPLACE 16 LF

EX 8" WTR

EX 10" STORM

SUMMIT
ST

EX 8" SAN

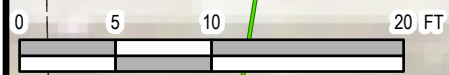
SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	N	N	0	16

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	16	0



SEE LEGEND ON PAGE 4

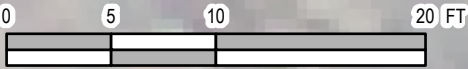
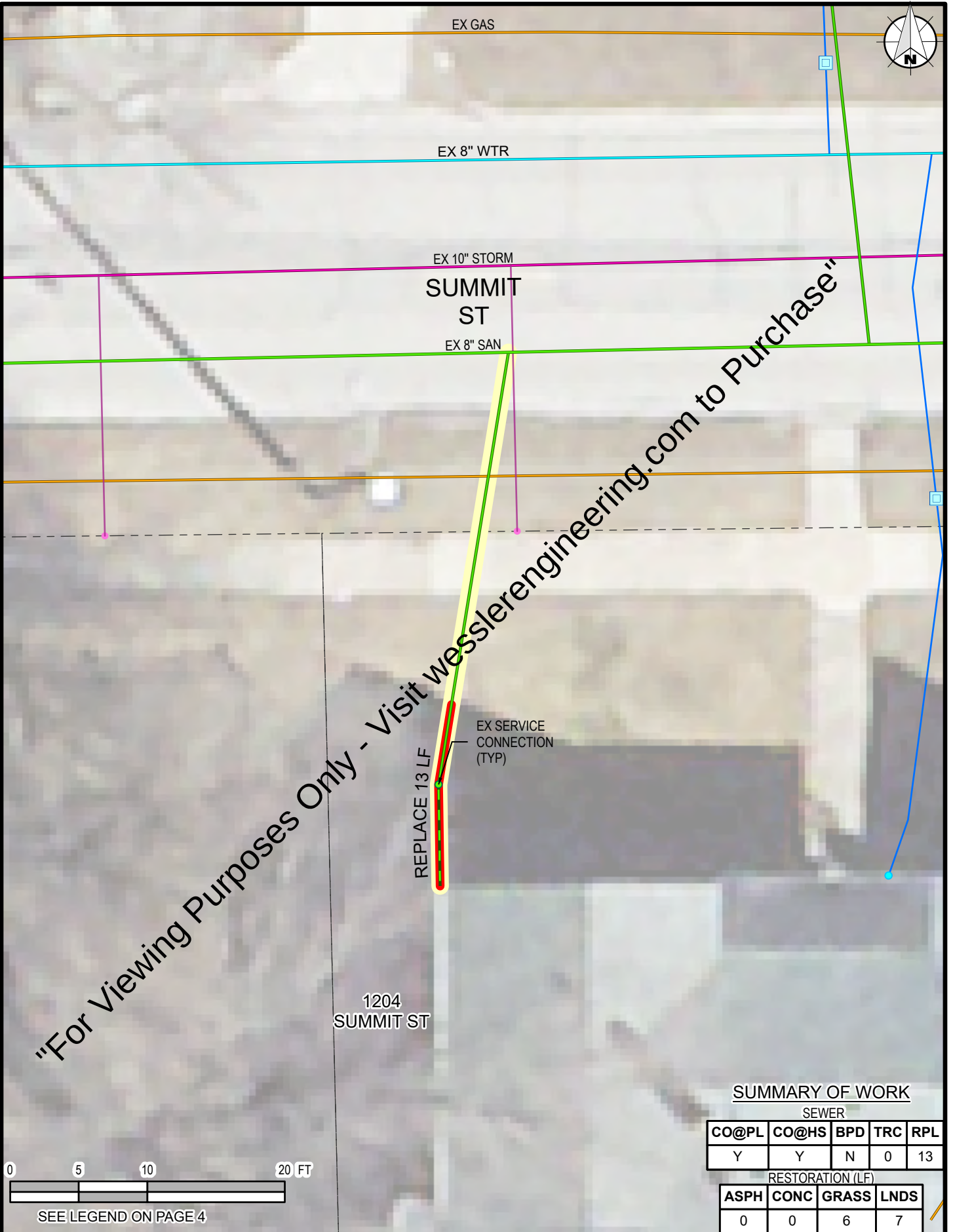
J:\New Haven\Projects\210118 New Haven Lateral 3R\CAD 04-001\GIS\MAPS\210118 New Haven3R_Ph1.aprx (11/12/2019, 11:36 AM) User: MichelleE

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MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1	
CITY OF NEW HAVEN ENGINEERING DEPARTMENT	
NEW HAVEN, INDIANA	

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SEE LEGEND ON PAGE 4

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	13

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	6	7

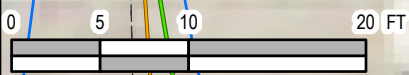
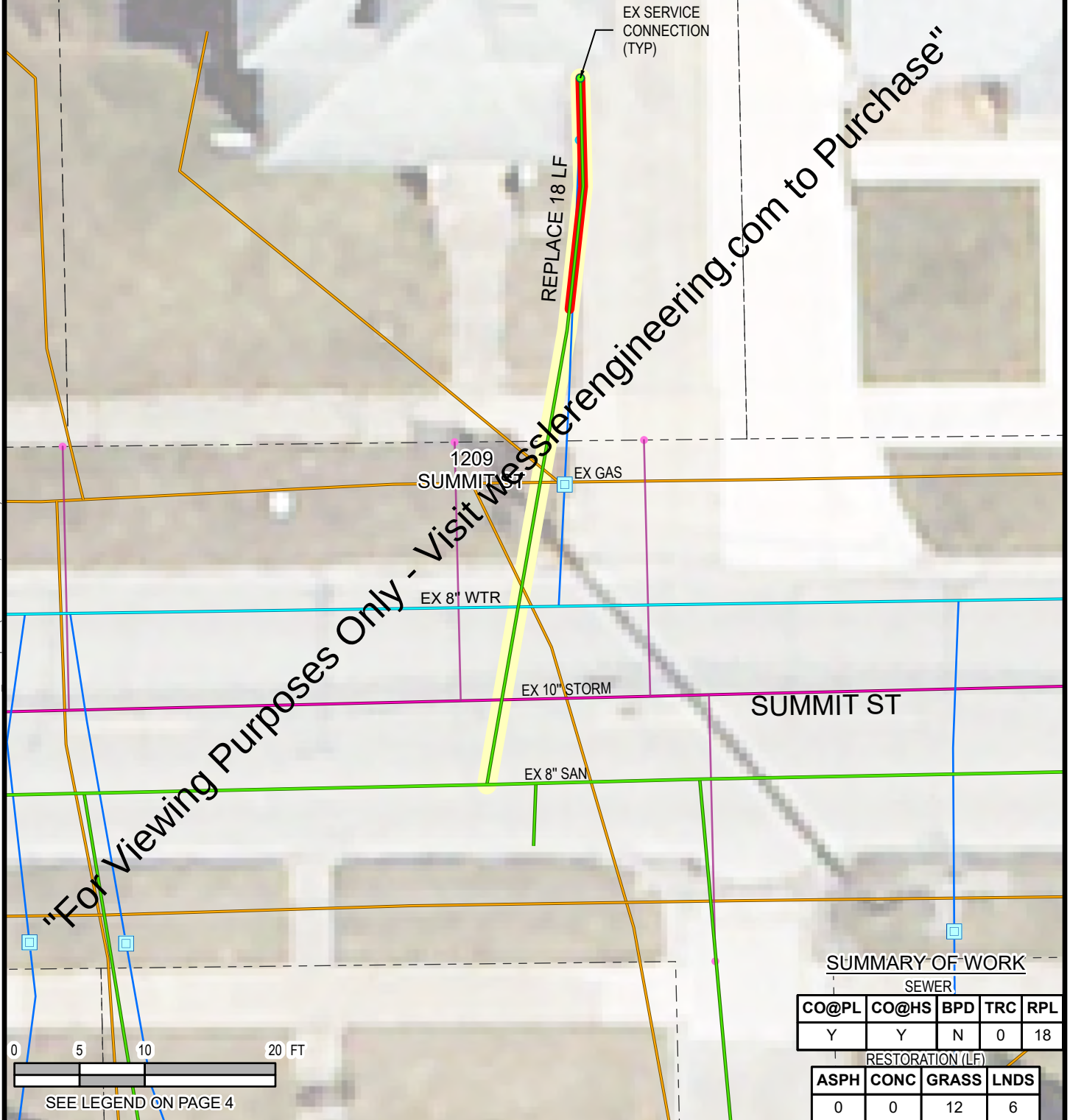
DRAWN BY	CHECKED BY	APPROVED BY
MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1	
CITY OF NEW HAVEN ENGINEERING DEPARTMENT	
NEW HAVEN, INDIANA	

1204
SUMMIT ST
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SEE LEGEND ON PAGE 4

SUMMARY OF WORK

SEWER				
CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	18
RESTORATION (LF)				
ASPH	CONC	GRASS	LNDS	
0	0	12	6	

DRAWN BY	CHECKED BY	APPROVED BY
MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1
CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

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SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	20

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	16	4

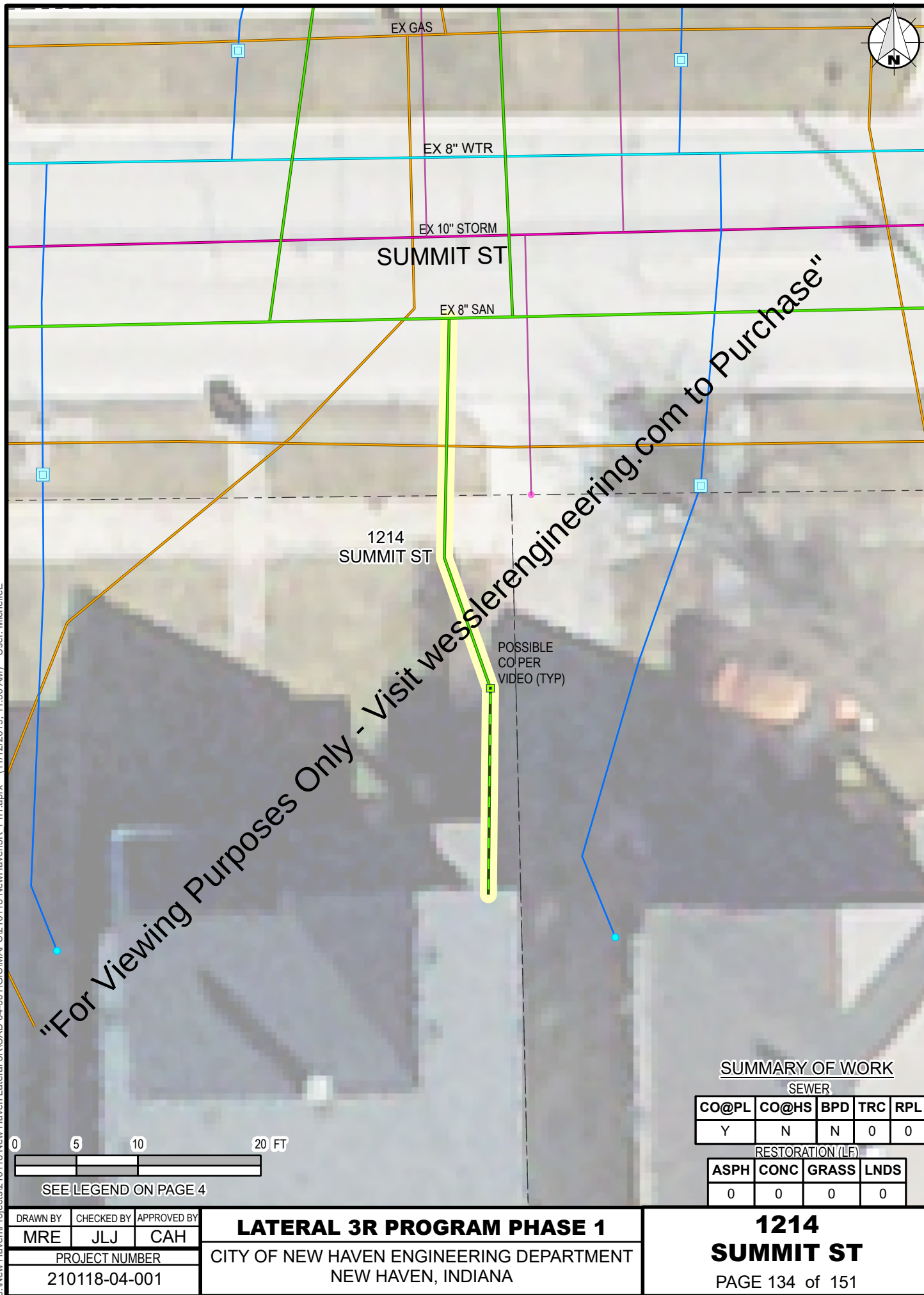
DRAWN BY	CHECKED BY	APPROVED BY
MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1

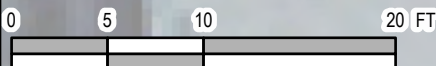
CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

**1210
SUMMIT ST**
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SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	N	N	0	0

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	0	0

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MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

**1214
SUMMIT ST**

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EX SERVICE
CONNECTION
(TYP)

REPLACE 15 LF

EX GAS

1215
SUMMIT ST

EX 8" WTR

EX 10" STORM

SUMMIT ST

EX 8" SAN

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	15

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	13	2

0 5 10 20 FT

SEE LEGEND ON PAGE 4

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MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

**1215
SUMMIT ST**

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EX 8" WTR

EX 10" STORM

SUMMIT ST

EX 8" SAN

EX GAS
1218
SUMMIT ST

REPLACE 21 LF

EX SERVICE
CONNECTION
(TYP)

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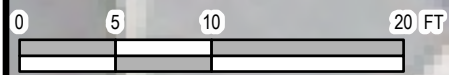
SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	21

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	21	0



SEE LEGEND ON PAGE 4

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PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1	
CITY OF NEW HAVEN ENGINEERING DEPARTMENT	
NEW HAVEN, INDIANA	

1218
SUMMIT ST
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EX SERVICE
CONNECTION
(TYP)

REPLACE 14 LF

EX GAS

1219
SUMMIT ST

EX 8" WTR

EX 10" STORM

SUMMIT ST

EX 8" SAN

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	14

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	14	0



SEE LEGEND ON PAGE 4

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MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

**1219
SUMMIT ST**
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EX 8" WTR

EX 10" STORM

SUMMIT ST

EX 8" SAN

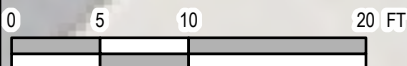
1228
SUMMIT ST

EX SERVICE
CONNECTION
(TYP)

REPLACE 37 LF

EX GAS

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SEE LEGEND ON PAGE 4

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	37

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	37	0

DRAWN BY	CHECKED BY	APPROVED BY
MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

**1228
SUMMIT ST**

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EX SERVICE
CONNECTION
(TYP)

REPLACE 14 LF

1231
SUMMIT ST

EX 8" WTR

EX 10" STORM

SUMMIT ST

EX 8" SAN

EX GAS

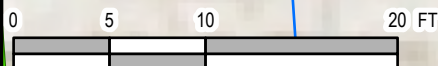
SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	0	14

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	14	0



SEE LEGEND ON PAGE 4

DRAWN BY	CHECKED BY	APPROVED BY
MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

**1231
SUMMIT ST**
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1234
SUMMIT ST

REPLACE
35 LF

EX SERVICE
CONNECTION
(TYP)

EX 6" WTR

EX 10" STORM

GREEN ST

EX 8" SAN

EX GAS

SUMMARY OF WORK

SEWER

CO@PL	CO@HS	BPD	TRC	RPL
Y	Y	N	35	35

RESTORATION (LF)

ASPH	CONC	GRASS	LNDS
0	0	35	0

0 5 10 20 FT

SEE LEGEND ON PAGE 4

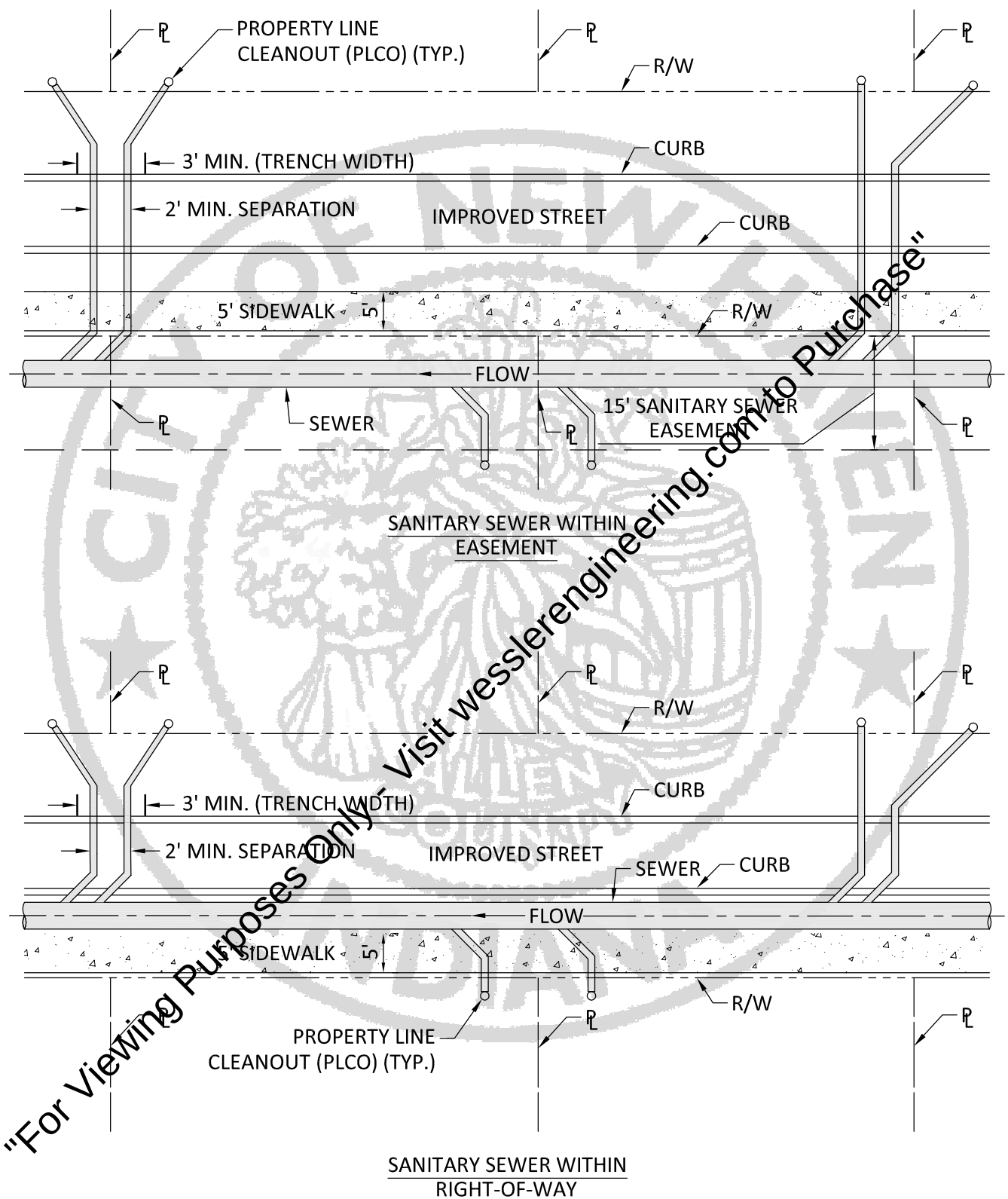
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MRE	JLJ	CAH
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1

CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

**1234
SUMMIT ST**

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SCALE: N.T.S.

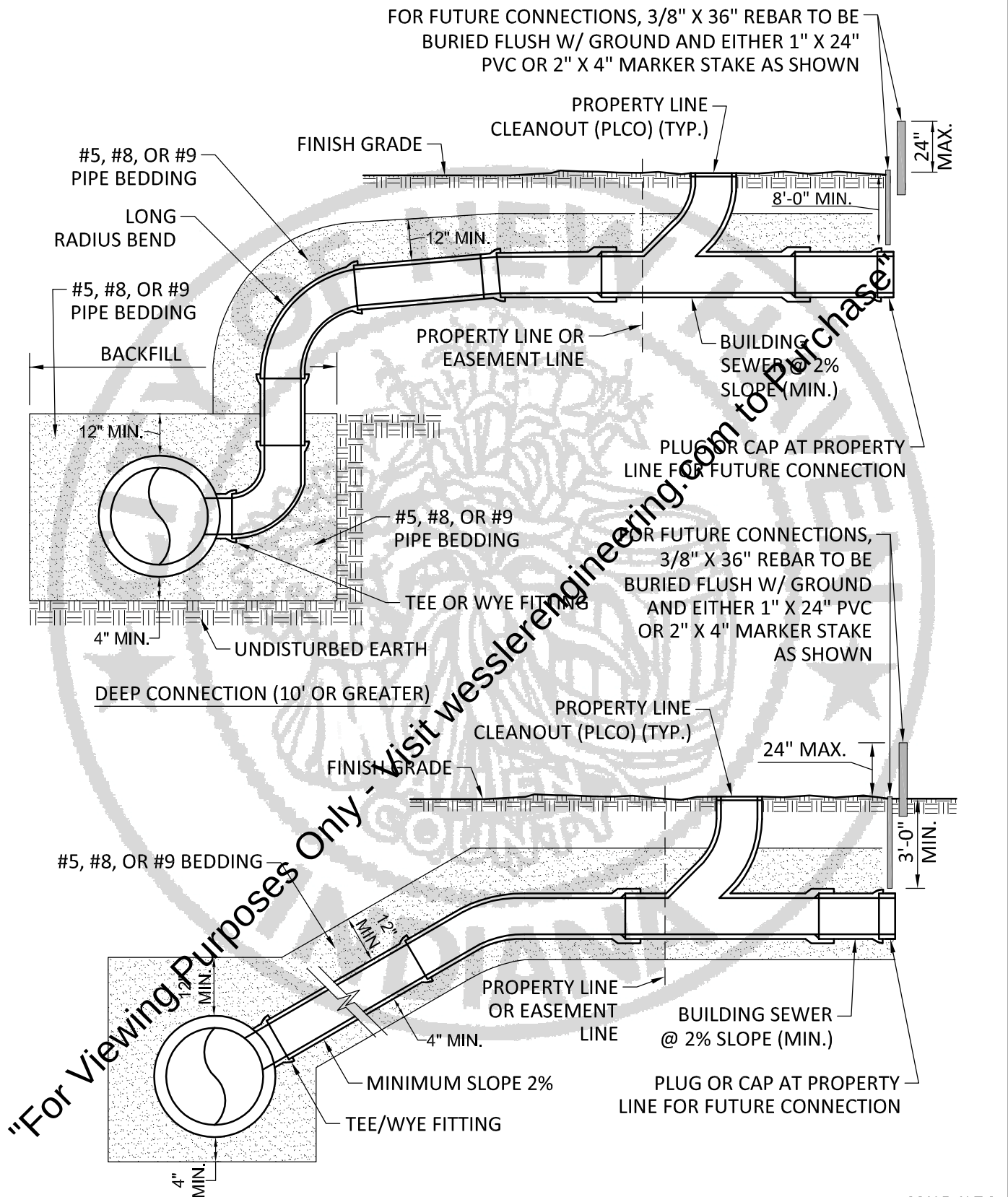
SANITARY SEWER SERVICE ROADWAY LAYOUT

DRAWN BY	CHECKED BY	APPROVED BY
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1
CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

STANDARD DETAIL
SAN-14
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SANITARY SEWER SERVICE RISER DETAILS

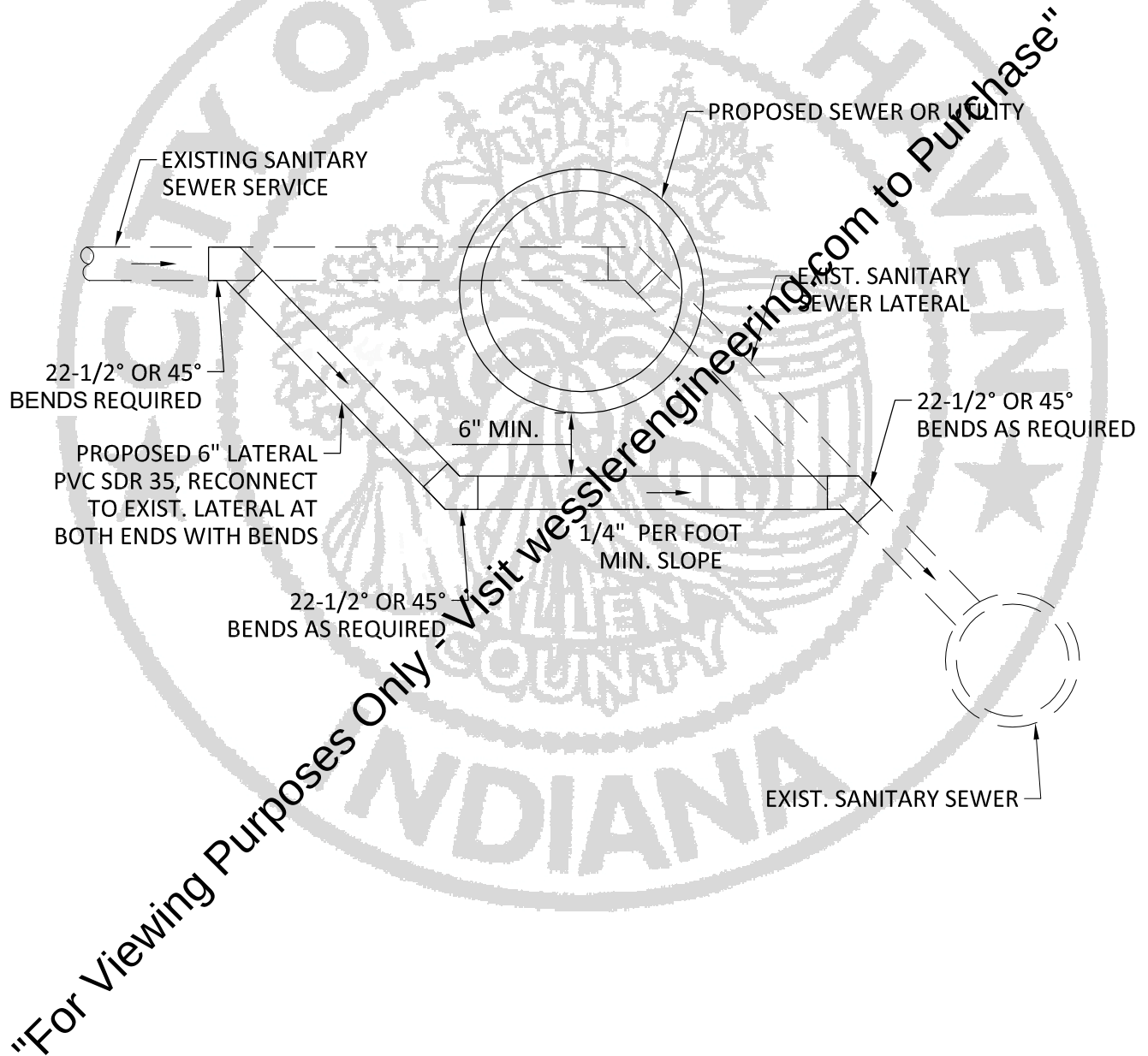
DRAWN BY	CHECKED BY	APPROVED BY
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1
CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

STANDARD DETAIL
SAN-17

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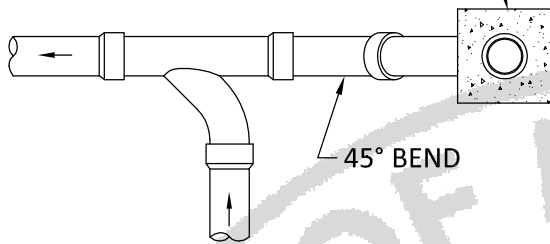
SCALE: N.T.S.

SANITARY SEWER SERVICE DEFLECTION

DRAWN BY	CHECKED BY	APPROVED BY	LATERAL 3R PROGRAM PHASE 1	STANDARD DETAIL
PROJECT NUMBER				
210118-04-001			CITY OF NEW HAVEN ENGINEERING DEPARTMENT	SAN-18
			NEW HAVEN, INDIANA	PAGE 143 of 151

POUR CONCRETE COLLAR
AROUND CASTING TO GRADE FOR
CASTINGS LOCATED WITHIN
CONCRETE, ASPHALT, OR STONE

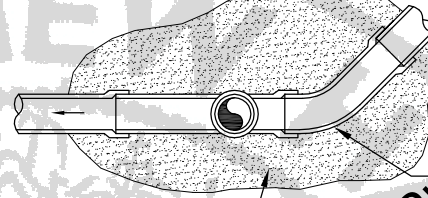
HEAVY DUTY CASTING W/
SOLID LID. NEENAH R-1976
OR APPROVED EQUAL



45° BEND

CONCRETE CASTING SUPPORT
(SEE PLAN VIEW)

8" 6" (TYP.)



45° BEND

GRANULAR BACKFILL

CHANGE IN DIRECTION PLAN VIEW

CHANGE IN DIRECTION PROFILE VIEW

HEAVY DUTY CASTING W/
SOLID LID. NEENAH R-1976
OR APPROVED EQUAL

6" (TYP.)

8"

CONCRETE CASTING SUPPORT (SEE PLAN VIEW)

45° BEND

45° WYE FITTING

SANITARY SEWER FLOW

GRANULAR BACKFILL

IN LINE CLEANOUT

NOTES:

ALL *

1. IN PUBLIC RIGHT-OF-WAY CLEANOUT CASTINGS SHALL BE HEAVY DUTY W/ SOLID LID, NEENAH R-1976 OR APPROVED EQUAL.
2. CLEANOUTS LOCATED WITHIN CONCRETE OR ASPHALT ROADWAYS OR SIDEWALKS SHALL BE NEENAH R-1976 OR APPROVED EQUAL.
3. CLEANOUTS LOCATED OUTSIDE OF THE RIGHT-OF-WAY AND IN NON-TRAFFIC AREAS MAY BE A PVC CLEANOUT ADAPTER AND THREADED PLUG. SEE "BUILDING SANITARY SEWER CONNECTION ADAPTER AND CLEANOUT" DETAIL.

SCALE: N.T.S.

SANITARY SEWER CLEANOUT

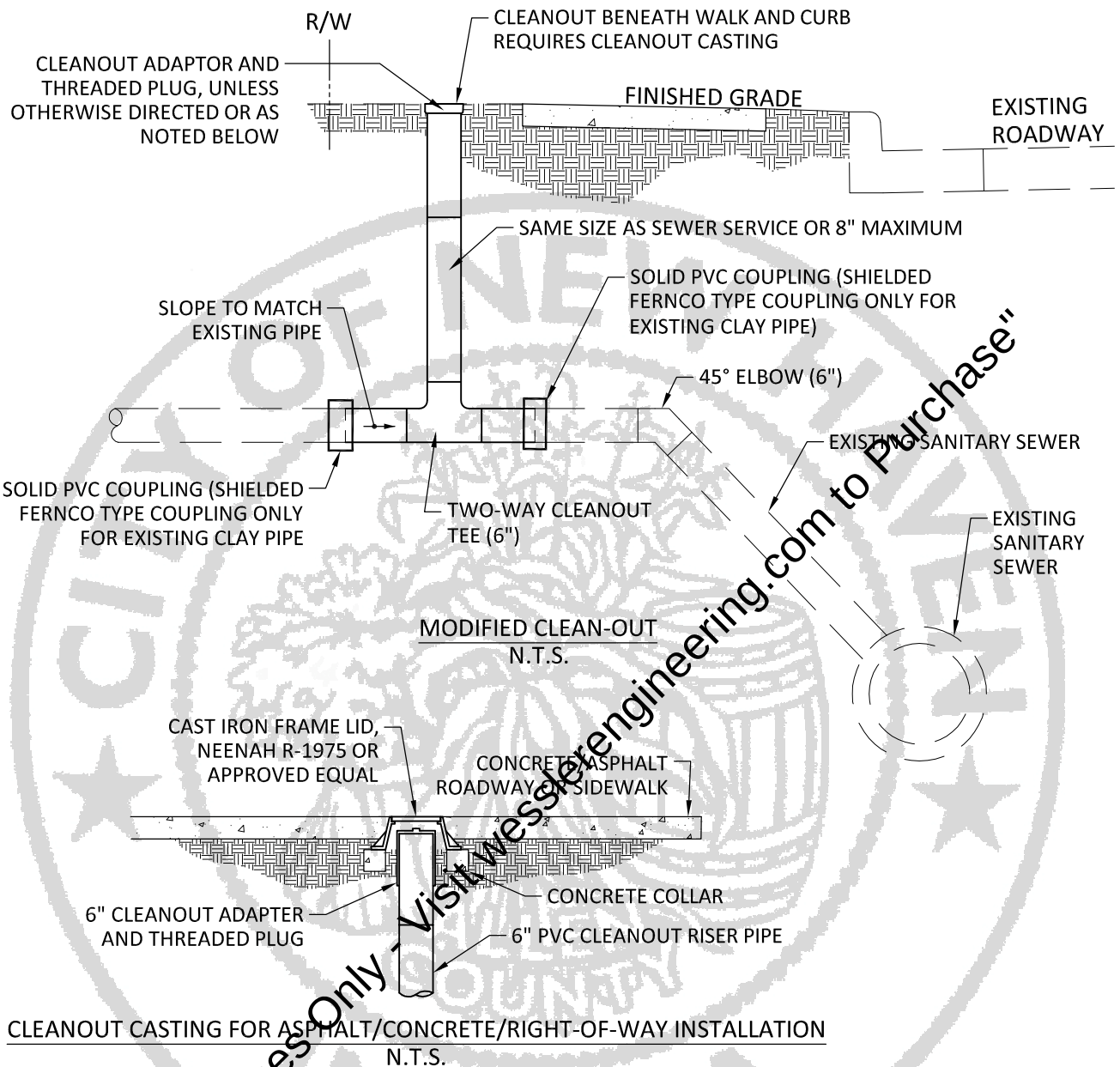
*PROJECT-SPECIFIC REVISION TO NEW
HAVEN STANDARD DETAIL

DRAWN BY	CHECKED BY	APPROVED BY
PROJECT NUMBER		
210118-04-001		

LATERAL 3R PROGRAM PHASE 1
CITY OF NEW HAVEN ENGINEERING DEPARTMENT
NEW HAVEN, INDIANA

STANDARD DETAIL
SAN-19

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NOTES:

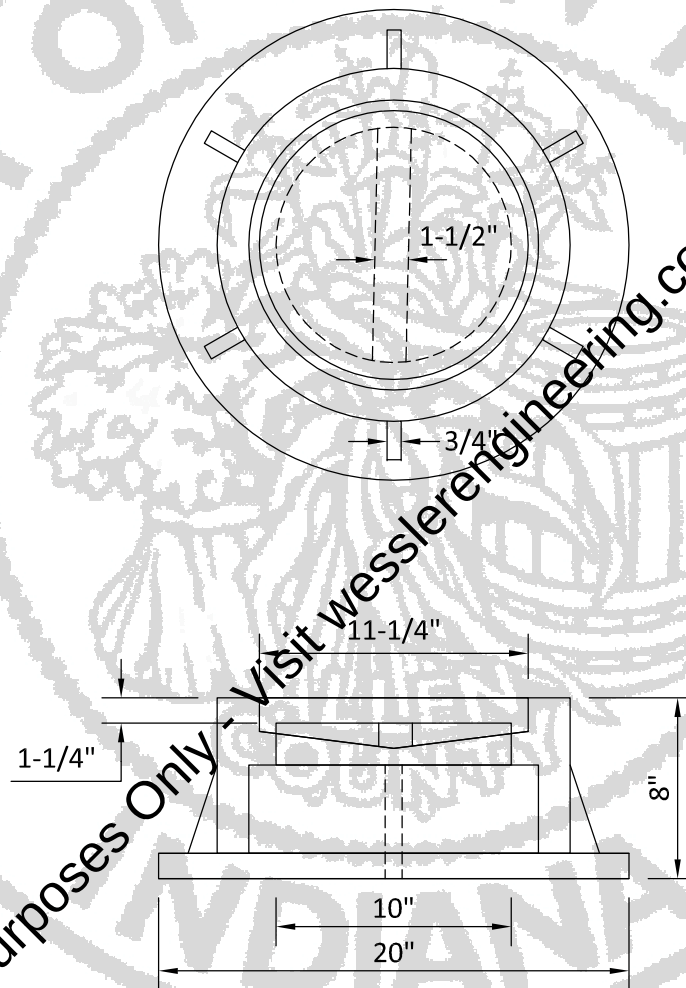
1. LOCATE CLEAN-OUT SUCH THAT PLUG IS NOT LOCATED IN SIDEWALK UNLESS DIRECTED OTHERWISE.
2. IN NON-TRAFFIC AREAS, TOP OF CLEAN-OUT SHALL REQUIRE AN ADAPTER AND A THREADED PLUG.
3. IN CONCRETE OR ASPHALT ROADWAYS/DRIVEWAYS, SIDEWALKS, OR WITHIN RIGHT-OF-WAY, CLEANOUT AND PLUG TO BE LOCATED WITHIN A CASTING. CASTING FRAME AND LID SHALL BE NEENAH #R-1975 OR APPROVED EQUAL. SEE ASPHALT/CONCRETE INSTALLATION LAYOUT, THIS PAGE.
4. THIS DETAIL SHALL BE FOR CLEAN-OUTS INSTALLED ON EXISTING SANITARY SERVICES ONLY AS APPROVED BY THE CITY.
5. CONNECTION TO THE EXISTING SANITARY SERVICE SHALL BE WITH SOLID PVC OR SHIELDED FERNCO COUPLINGS OR APPROVED EQUAL. SEE NOTE ABOVE AND ON PREVIOUS SHEETS.
6. THE CONTRACTOR OR DEVELOPER SHALL PROVIDE THE DEPARTMENT OF ENGINEERING WITH "AS BUILT" DRAWINGS FOR ALL SANITARY SEWER AND SERVICE REPAIRS OR MODIFICATIONS LOCATED FROM DOWNSTREAM MANHOLE AND TO CLOSEST PROPERTY LINES.
7. ALL NEW LATERALS INSTALLED OR REPAIRS TO SERVICE LATERALS SHALL REQUIRE A PERMIT AND MAY REQUIRE TAPPING FEES.
8. IF CLEANOUT IS BETWEEN SIDEWALK AND CURB, A CLEANOUT CASTING SHOULD BE INSTALLED.

SCALE: N.T.S.

MODIFIED CLEANOUT DETAIL

DRAWN BY	CHECKED BY	APPROVED BY	LATERAL 3R PROGRAM PHASE 1	STANDARD DETAIL SAN-20
PROJECT NUMBER			CITY OF NEW HAVEN ENGINEERING DEPARTMENT NEW HAVEN, INDIANA	PAGE 145 of 151
210118-04-001				

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FRAME & LID
NEENAH R-1976
E. JORDAN 1578
OR APPROVED EQUAL

NOTES:

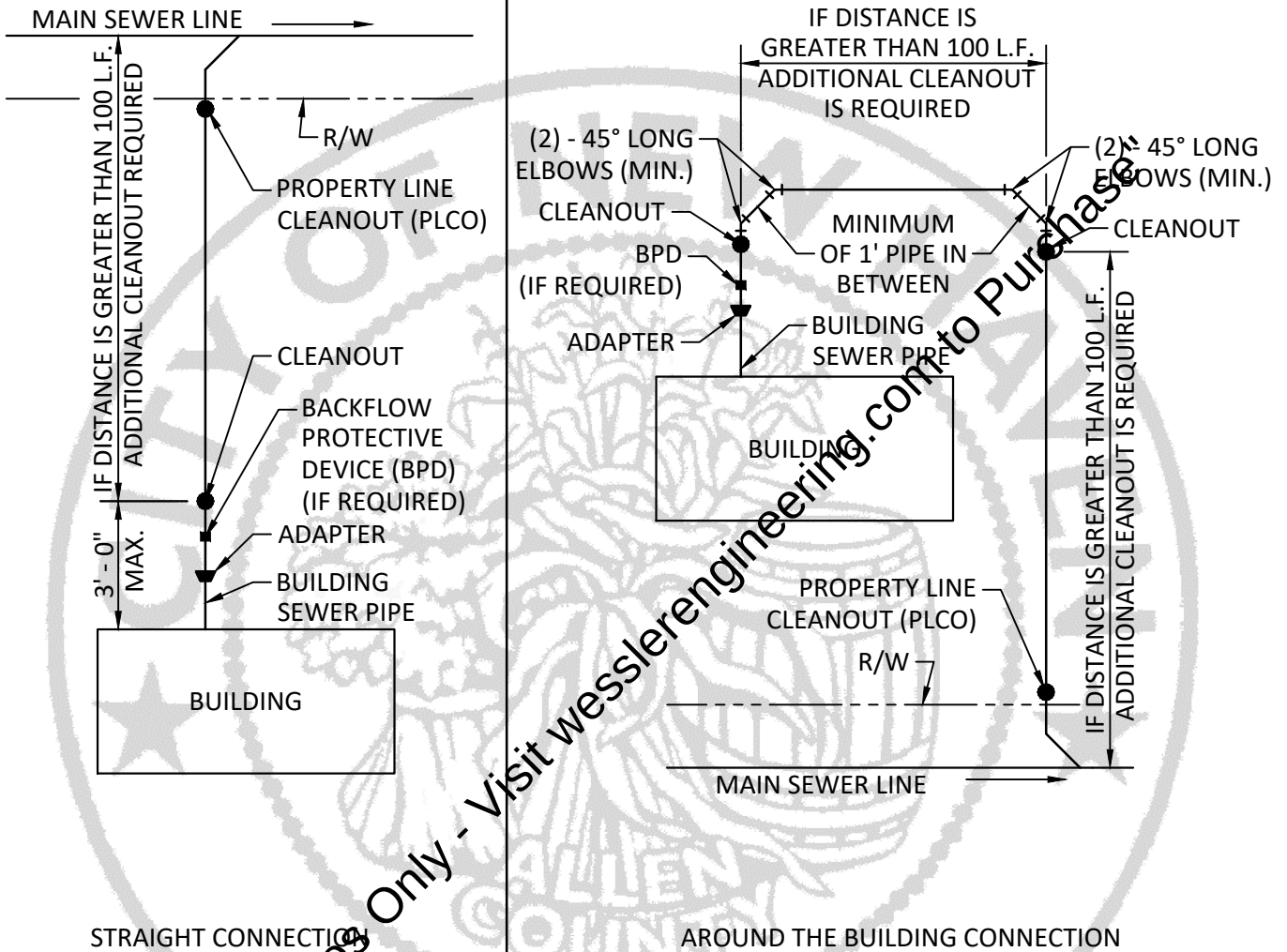
1. CASTINGS SHALL BE USED FOR ALL CLEANOUTS LOCATED WITHIN THE RIGHT-OF-WAY, SIDEWALK,
PAVEMENT, CONCRETE, OR OTHER SURFACE REQUIRING HEAVY LOAD. *

SCALE: N.T.S.

STANDARD CLEANOUT CASTING

*PROJECT-SPECIFIC REVISION TO NEW
HAVEN STANDARD DETAIL

DRAWN BY	CHECKED BY	APPROVED BY	LATERAL 3R PROGRAM PHASE 1	STANDARD DETAIL SAN-21
PROJECT NUMBER				
210118-04-001			CITY OF NEW HAVEN ENGINEERING DEPARTMENT NEW HAVEN, INDIANA	PAGE 146 of 151



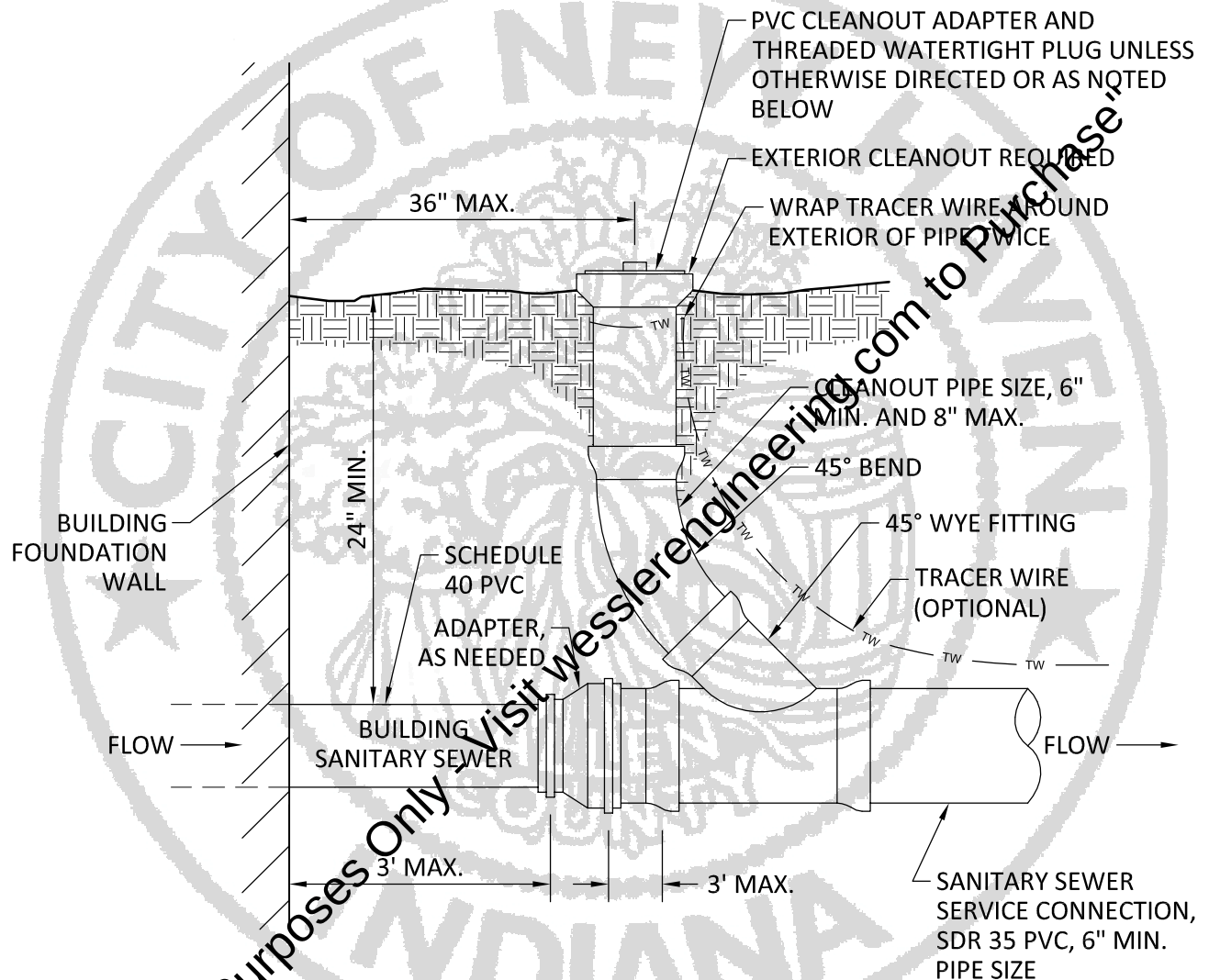
NOTES:

1. NO 90° ELBOW IS PERMITTED IN BUILDING SEWER.
2. MINIMUM SLOPE OF BUILDING SEWER SHALL BE 2% (1/4" PER FOOT).
3. MINIMUM SIZE FOR BUILDING SEWER SHALL BE 6" IN DIAMETER.
4. BUILDING SEWER LINE SHALL BE INSPECTED AND APPROVED BEFORE EXCAVATION IS BACKFILLED.
5. TRACER WIRE IS OPTIONAL ON ALL SANITARY SEWER LATERALS.
6. INSTALL A PROPERTY LINE CLEANOUT (PLCO) FOR ALL SERVICE LATERALS AT OR BEHIND ALL PROPERTY LINES.
7. A BACKFLOW PROTECTIVE DEVICE (BPD) IS REQUIRED IF THE HOMES LOWEST FLOOR LEVEL WITH PLUMBING IS NOT AT LEAST ONE FOOT ABOVE THE ELEVATION OF THE UPSTREAM MANHOLE.

SCALE: N.T.S.

BUILDING SANITARY SEWER CONNECTION LAYOUT

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NOTES:

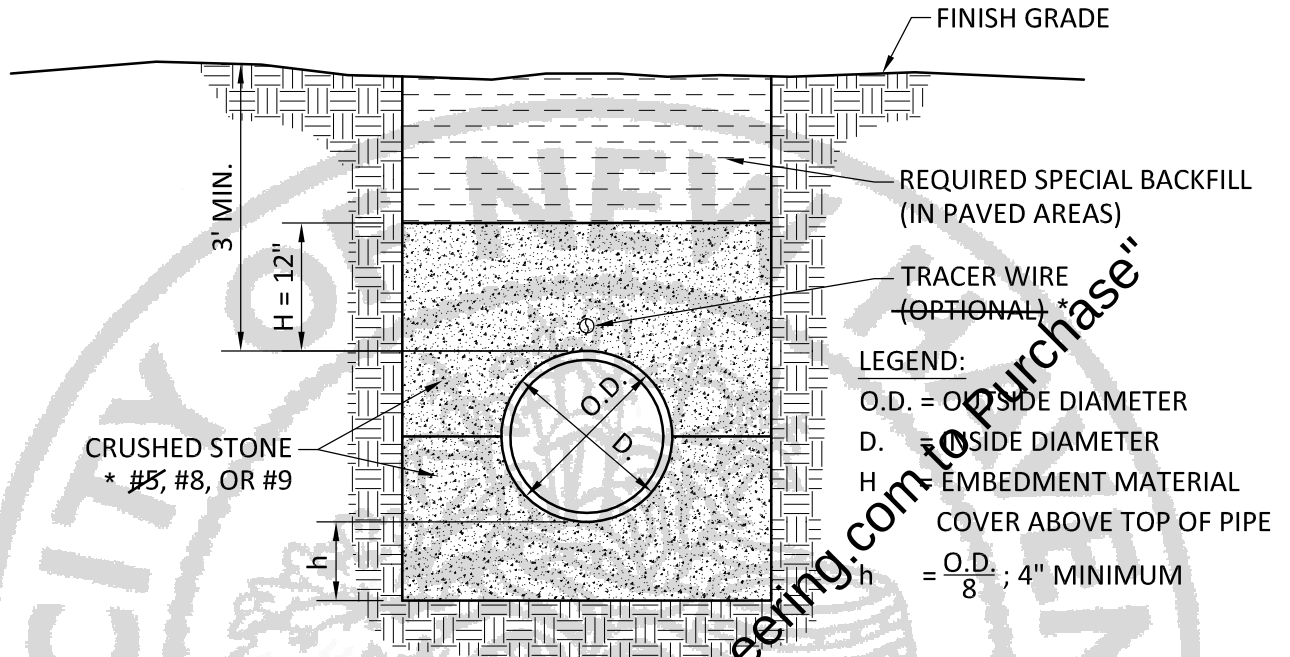
1. LOCATE CLEANOUT SUCH THAT PLUG IS NOT LOCATED IN SIDEWALK UNLESS DIRECTED OTHERWISE.
2. IN NON-TRAFFIC AREAS, TOP OF CLEANOUT SHALL REQUIRE AN ADAPTER AND A THREADED PLUG.
3. IN CONCRETE OR ASPHALT ROADWAYS OR SIDEWALKS, CLEANOUT AND PLUG TO BE LOCATED WITHIN A CASTING. CASTING FRAME AND LID TO BE NEENAH #R-1976 OR APPROVED EQUAL. SEE "SANITARY SEWER CLEANOUT" AND "STANDARD CLEANOUT CASTING" DETAILS.

SCALE: N.T.S.

**BUILDING SANITARY SEWER CONNECTION
ADAPTER & CLEANOUT**

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NOTES:

1. FOR ROCK OR OTHER NON-COMPRESSIBLE MATERIALS: THE TRENCH SHOULD BE OVER-EXCAVATED A MINIMUM OF 6" AND REFILLED WITH GRANULAR MATERIAL.
2. FLEXIBLE CONDUITS ARE CONSIDERED THE FOLLOWING PIPES: PVC, HDPE, DIP, AND CMP.

SCALE: N.T.S.

FLEXIBLE PIPE BEDDING

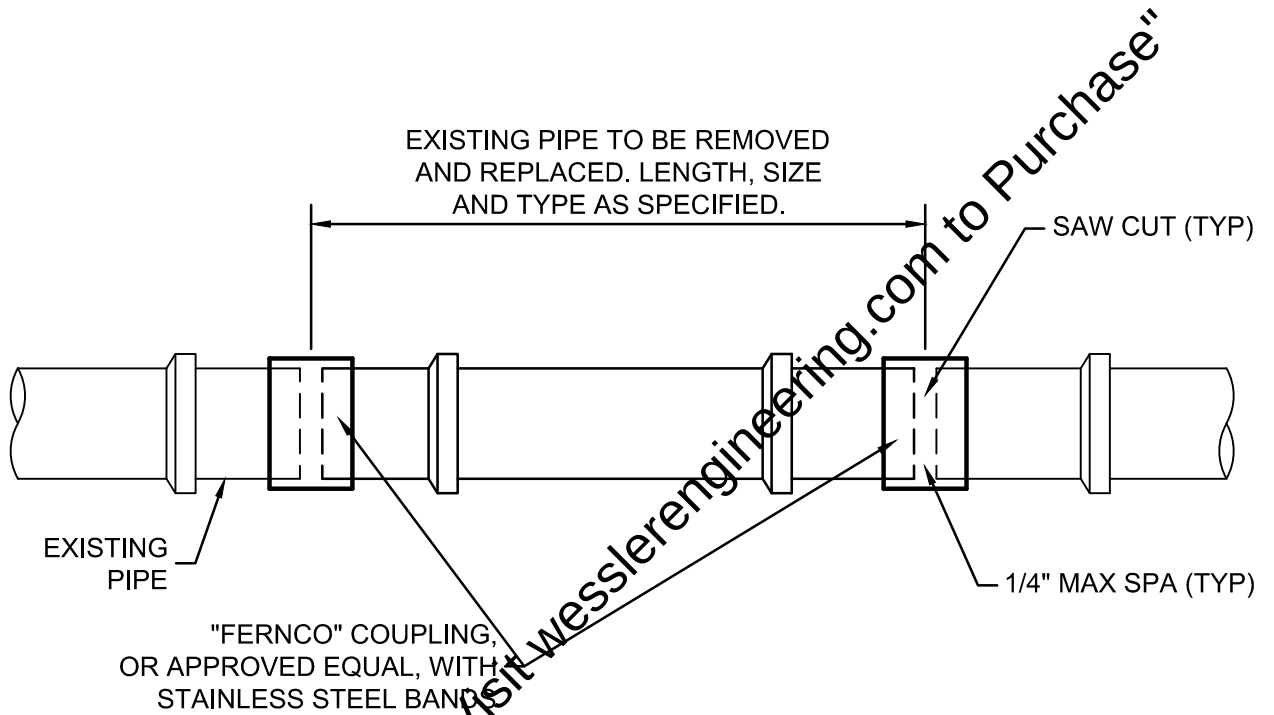
*PROJECT-SPECIFIC REVISION TO NEW HAVEN STANDARD DETAIL

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LATERAL 3R PROGRAM PHASE 1
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SANITARY SEWER REPAIR

SCALE: NONE

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LATERAL 3R PROGRAM PHASE 1
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NEW HAVEN, INDIANA

STANDARD DETAIL

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