

ADDENDUM No. 1

ITB No. 4643

2020 Sewer Lining Project

Updated Bid Due Date and Time: October 13, 2020 at 2:00 P.M. (Local Time)

The information contained herein shall take precedence over the original documents and all previous addenda (if any), and is appended thereto. **This Addendum includes 10 pages.**

Bidder is to acknowledge receipt of this Addendum No. 1, including all attachments (if any) in its Bid by so indicating on page ITB-1 of the Invitation to Bid Form. Bids submitted without acknowledgment of receipt of this addendum may be considered nonconforming.

The following forms provided within the ITB document must be included in submitted bids:

- City of Ann Arbor Prevailing Wage Declaration of Compliance
- City of Ann Arbor Living Wage Ordinance Declaration of Compliance
- Vendor Conflict of Interest Disclosure Form
- City of Ann Arbor Non-Discrimination Ordinance Declaration of Compliance

Bids that fail to provide these forms listed above upon bid opening will be rejected as non-responsive and will not be considered for award.

I. CORRECTIONS/ADDITIONS/DELETIONS

Changes to the Bid document which are outlined below are referenced to a page or Section in which they appear conspicuously. The Bidder is to take note in its review of the documents and include these changes as they may affect work or details in other areas not specifically referenced here.

Section/Page(s)

Change

BF-1 and BF-2

As provided in ITB No. 4589 Bid Document:
Bid Form, Section 1 – Schedule of Prices as Page BF-1 and BF-2

As updated herein:
Bid Form, Section 1 – Schedule of Prices as Pages BF-1 and BF-2.

Comment: The intent with this change is to simply replace the inaccurate Pages BF-1 and BF-2 provided in the ITB Document with the accurate Page BF-1 and BF-2 provided herein.

All mentions

As provided in ITB No. 4643 Bid Document:
Bid Due Date: Thursday, October 8, 2020 at 2:00 p.m. (local time)

As updated herein:
Bid Due Date: Tuesday, October 13, 2020 at 2:00p.m. (local time)

Comment: The Due Date and Time for responses to this ITB has been extended to Tuesday, October 13, 2020 at 2:00 p.m. (local time). Note that all other dates are unchanged.

II. QUESTIONS AND ANSWERS

The following Questions have been received by the City. Responses are being provided in accordance with the terms of the ITB. Bidders are directed to take note in their review of the documents of the following questions and City responses as they affect work or details in other areas not specifically referenced here.

Question 1: Will the owner please provide a table of the segments to be lined.

Answer 1: The table of the segments to be lined is included in this Addendum.

Question 2: Will the Owner please provide a current copy of the plan holders list?

Answer 2: An unofficial plan holders list can be found through MITN.info

Question 3: Are recent CCTV files available for the lines expected to be rehabilitated?

Answer 3: Some lines have been recently televised; this information will be available to the contractor selected to work on this project.

Question 4: Will the Owner please confirm that steam, air inversion and / or UV curing process is approved for this project?

Answer 4: The steam, air inversion and / or UV curing process is not approved for this project.

Question 5: Is styrene-free resin required for the entire CIPP scope?

Answer 5: Styrene-free resin is required for the entire CIPP scope.

Question 6: Will the city or engineering firm locate the buried manholes or provide gps coordinates?

Answer 6: It is contractor's responsibility to locate the buried manholes, however the City of Ann Arbor will provide assistance when possible.

Question 7: Will specific hydrants be designated or will any available hydrant be ok to use? Will there be a charge for water usage?

Answer 7: The use of City of Ann Arbor hydrants will be allowed and would need to be coordinated with the City of Ann Arbor Field Services Department. There is no charge for water usage.

Question 8: Will the Owner please provide the budget for this project?

Answer 8: The Engineer's Estimate for this project is around 1.5 M.

Question 9: Will the Owner please provide the anticipated NTP date for this project?

Answer 9: The anticipated NTP date is listed in DS for Project Schedule and its December 15, 2020.

Question 10: Will the Owner/Engineer please confirm if there are any prevailing wage requirements for this job?

Answer 10: The prevailing wage document is included in the Contract Documents.

Question 11: To provide better value, will the Owner consider allowing lay flat discharge hose for diameters 12" and smaller?

Answer 11: The flat discharge hoses are allowed provided they are completely watertight.

Question 12: Will Flow Diversion be required for the Warranty Sewer Televising?

Answer 12: The full Flow Diversion will not be required for the Warranty Sewer Televising, but this work must be done during the low flow time so most of the pipe is visible for inspection.

Question 13: CIPP Detailed Specification page 8 states that "If the pre-design video inspection reveals areas that require excavation, removal, spot repair, or grinding, then these excavations, removals, spot repairs, and grinding shall be included in the Contractor's bid." What is the intent of this statement?

Answer 13: There is no minimum length of sewer repair or specific locations. The repair length and location will be determined by the Pre-Rehabilitation Inspection of the Pipelines performed by the contractor. The excavation, removal and spot repair will be paid by separate pay item.

Question 14: Will night work be approved on certain shots i.e. Downtown?

Answer 14: The afterhours work including nights and work on Sundays would require an approval by City of Ann Arbor Administrator. The contractor will need to inform City of Ann Arbor in advanced when longer work hours are needed.

Question 15: Will there be a charge for ROW permit?

Answer 15: There is no charge for ROW permit on this project.

Question 16: Will the city or engineering firm locate the buried manholes or provide gps coordinates?

Answer 16: It is contractor's responsibility to locate the buried manholes, however the City of Ann Arbor will provide assistance when possible.

Question 17: Will the City of Ann Arbor allow 24 hr. traffic closures for by-pass lines and installation of liners?

Answer 17: The necessary traffic control measures must be requested and will be reviewed by the City of Ann Arbor.

Bidders are responsible for any conclusions that they may draw from the information contained in the Addendum.

BID FORM
Section 1 - Schedule of Prices
Project: ITB 4643 - 2020 Sewer Lining Project

| LINE No. | DESCRIPTION | UNIT | ESTIMATED QUANTITY | UNIT PRICE | AMOUNT (\$) |
|----------|---|------|--------------------|------------|-------------|
| 130 | Protective Fencing | LF | 200 | \$ _____ | \$ _____ - |
| | Exploratory Excavation (0-10' deep), | | | | |
| 140 | Trench Detail - Type I Modified | EA | 5 | \$ _____ | \$ _____ - |
| | Exploratory Excavation (0-10' deep), | | | | |
| 141 | Trench Detail - Type IV | EA | 5 | \$ _____ | \$ _____ - |
| | General Conditions, Modified, | | | | |
| 200 | Maximum \$100,000 | LS | 1 | \$ _____ | \$ _____ - |
| | Project Supervision, Modified, | | | | |
| 201 | Maximum \$50,000 | LS | 1 | \$ _____ | \$ _____ - |
| 202 | Audiovisual Tape Coverage, Modified | LS | 1 | \$ _____ | \$ _____ - |
| | Minor Traffic Control, Modified, | | | | |
| 203 | Maximum \$100,000 | LS | 1 | \$ _____ | \$ _____ - |
| | Barricade, Type III, High Intensity, | | | | |
| 204 | Double Sided, Lighted, Furn | EA | 15 | \$ _____ | \$ _____ - |
| | Barricade, Type III, High Intensity, | | | | |
| 205 | Double Sided, Lighted, Oper | EA | 15 | \$ _____ | \$ _____ - |
| 206 | Channelizing Device, 42 inch, Furn | EA | 150 | \$ _____ | \$ _____ - |
| 207 | Channelizing Device, 42 inch, Oper | EA | 150 | \$ _____ | \$ _____ - |
| 208 | Lighted Arrow, Type C, Furn | EA | 4 | \$ _____ | \$ _____ - |
| 209 | Lighted Arrow, Type C, Oper | EA | 4 | \$ _____ | \$ _____ - |
| 210 | Plastic Drum, High Intensity, Lighted, Furn | EA | 150 | \$ _____ | \$ _____ - |
| 211 | Plastic Drum, High Intensity, Lighted, Oper | EA | 150 | \$ _____ | \$ _____ - |
| 212 | Sign, Type B, Temp, Prismatic, Furn | SF | 2,500 | \$ _____ | \$ _____ - |
| 213 | Sign, Type B, Temp, Prismatic, Oper | SF | 2,500 | \$ _____ | \$ _____ - |
| 214 | "No Parking" Sign | EA | 50 | \$ _____ | \$ _____ - |
| 215 | Level 2 MACP Inspect Manhole | EA | 150 | _____ | _____ - |
| 216 | 6 inch Diameter CIPP Sewer Lining | LF | 211 | \$ _____ | \$ _____ - |
| 217 | 8 inch Diameter CIPP Sewer Lining | LF | 17,740 | \$ _____ | \$ _____ - |
| 218 | 10 inch Diameter CIPP Sewer Lining | LF | 4,419 | \$ _____ | \$ _____ - |
| 219 | 12 inch Diameter CIPP Sewer Lining | LF | 6,628 | \$ _____ | \$ _____ - |
| 220 | 15 inch Diameter CIPP Sewer Lining | LF | 2898 | \$ _____ | \$ _____ - |
| 221 | 18 inch Diameter CIPP Sewer Lining | LF | 2582 | \$ _____ | \$ _____ - |
| 222 | 20 inch Diameter CIPP Sewer Lining | LF | 2245 | _____ | _____ - |
| 223 | 21 inch Diameter CIPP Sewer Lining | LF | 105 | \$ _____ | \$ _____ - |
| 224 | 24 inch Diameter CIPP Sewer Lining | LF | 1387 | \$ _____ | \$ _____ - |
| 225 | 30 inch Diameter CIPP Sewer Lining | LF | 1194 | \$ _____ | \$ _____ - |
| 226 | 36 inch Diameter CIPP Sewer Lining | LF | 792 | \$ _____ | \$ _____ - |
| 227 | 48 inch Diameter CIPP Sewer Lining | LF | 132 | \$ _____ | \$ _____ - |

Total This Page \$ _____

BID FORM
Section 1 - Schedule of Prices
Project: ITB 4643 - 2020 Sewer Lining Project

| LINE No. | DESCRIPTION | UNIT | ESTIMATED QUANTITY | UNIT PRICE | AMOUNT (\$) |
|-----------------------|---|------|--------------------|------------|-------------------|
| 228 | Rem. Concrete Curb or Curb and Gutter, Any Type, Modified | LF | 100 | \$ _____ | \$ _____ - |
| 229 | Rem. Concrete Sidewalk, Ramp and Drive, Any Thickness, Modified | SFT | 100 | \$ _____ | \$ _____ - |
| 230 | Aggregate Base | TON | 100 | \$ _____ | \$ _____ - |
| 231 | Hand Patching | TON | 100 | \$ _____ | \$ _____ - |
| 232 | Concrete Curb or Curb & Gutter – Any Type | LF | 100 | \$ _____ | \$ _____ - |
| 233 | 4" Concrete Sidewalk, Modified | SFT | 50 | \$ _____ | \$ _____ - |
| 234 | 6" Concrete Sidewalk, Ramp, Drive Approach, Modified | SFT | 50 | \$ _____ | \$ _____ - |
| 235 | 6" Concrete Sidewalk, Ramp, Drive Approach, High Early | SFT | 50 | \$ _____ | \$ _____ - |
| 236 | Concrete Type M Drive Opening, High Early | LF | 50 | \$ _____ | \$ _____ - |
| 237 | Inlet Filter, Special | Each | 25 | \$ _____ | \$ _____ - |
| 238 | Internal Chimney Seal | Each | 75 | \$ _____ | \$ _____ - |
| 239 | Reconstruct Flow Channel | Each | 75 | \$ _____ | \$ _____ - |
| 240 | Manhole Cementitious Liner | Vf | 200 | \$ _____ | \$ _____ - |
| 241 | Clean-Up & Restoration, Special | LS | 1 | \$ _____ | \$ _____ - |
| 242 | Certified Payroll Compliance and Reporting | LS | 1 | \$ _____ | \$ _____ - |
| 305 | 8" SDR 26 PVC Sewer, Trench Detail - Type I Modified | LF | 100 | \$ _____ | \$ _____ - |
| 306 | 10" SDR 26 PVC Sewer, Trench Detail - Type I Modified | LF | 100 | \$ _____ | \$ _____ - |
| 307 | 12" SDR 26 PVC Sewer, Trench Detail - Type I Modified | LF | 100 | \$ _____ | \$ _____ - |
| 308 | 15" SDR 26 PVC Sewer, Trench Detail - Type I Modified | LF | 100 | \$ _____ | \$ _____ - |
| 309 | 18" SDR 26 PVC Sewer, Trench Detail - Type I Modified | LF | 100 | \$ _____ | \$ _____ - |
| 310 | 21" SDR 26 PVC Sewer, Trench Detail - Type I Modified | LF | 100 | \$ _____ | \$ _____ - |
| 311 | 24" SDR 26 PVC Sewer, Trench Detail - Type I Modified | LF | 100 | \$ _____ | \$ _____ - |
| 353 | 4" SDR 35 PVC Service Lead | LF | 100 | \$ _____ | \$ _____ - |
| Total This Page | | | | | \$ _____ - |
| Total From BF-1 | | | | | \$ _____ - |
| Total Base Bid | | | | | \$ _____ - |

2020 SEWER LINING PROJECT

BID No. ITB 4643, FILE No. 2020039

ADAMS ST.

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|---------------------------|----------|--------|----------------|----------------|
| 71-71399 to 71-71400 | 8" | 304 | 6 | 0 |
| 71-71400 to 71-71401 | 8" | 149 | 5 | 0 |
| 71-71401 to 71-71396 | 8" | 118 | 6 | 0 |

BROADWAY ST.

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|---------------------------|----------|--------|----------------|----------------|
| 71-65621 to 71-66804 | 8" | 289 | 7 | 0 |
| 71-66804 to 71-70441 | 8" | 267 | 7 | 0 |
| 71-70441 to 71-70330 | 8" | 297 | 8 | 0 |
| 71-70330 to 71-70331 | 8" | 238 | 7 | 8 |
| 71-70331 to 71-70236 | 8" | 300 | 8 | 4 |
| 71-70236 to 71-71833 | 8" | 150 | 8 | 0 |
| 71-71835 to 71-71767 | 8" | 330 | 8 | 14 |
| 71-71767 to 71-71839 | 8" | 110 | 10 | 16 |

CEDAR BEND DR.

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|---------------------------|----------|--------|----------------|----------------|
| 71-68957 to 71-68953 | 8" | 400 | 12 | 7 |

CROSSLOT 2900 JACKSON AVE.

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|---------------------------|----------|--------|----------------|----------------|
| 71-67023 to 71-66920 | 8" | 286 | 10 | 0 |

CROSSLOT 303 MILLER AVE. & 320 W. HURON ST.

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|---------------------------|----------|--------|----------------|----------------|
| 71-073144 to 71-70469 | 18" | 165 | | 0 |
| 71-70469 to 71-70533 | 18" | 227 | | 0 |
| 71-70533 to 71-70538 | 24" | 85 | | 0 |
| 71-70538 to 71-61439 | 24" | 30 | | 0 |

CROSSLOT S. OF FULLER ST. MITCHELL FIELD PARKING LOT

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|---------------------------|----------|--------|----------------|----------------|
| 71-68951 to 71-68952 | 15" | 127 | 8 | 0 |

E. HOOVER AVE.

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|---------------------------|----------|--------|----------------|----------------|
| 71-71442 to 71-71443 | 8" | 213 | 7 | 0 |
| 71-71443 to 71-71446 | 8" | 162 | 7 | 0 |
| 71-71446 to 71-71546 | 8" | 393 | 7 | 0 |
| 71-71546 to 71-71470 | 15" | 440 | 7 | |

E. & W. HURON ST.

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|---------------------------|----------|--------|----------------|----------------|
| 71-71321 to 71-70659 | 10" | 310? | 11 | 0 |
| 71-70659 to 71-70448 | 10" | 350? | 11 | 0 |

E. WASHINGTON ST.

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|---------------------------|----------|--------|----------------|----------------|
| 71-71113 to 71-71114 | 10" | 280 | 10 | 0 |
| 71-71114 to 71-71216 | 10" | 249 | 9 | 13 |
| 71-71216 to 71-71217 | 10" | 87? | 9 | 1 |
| 71-71217 to 71-71175 | 10" | 190? | 10 | 5 |
| 71-71175 to 71-71176 | 10" | 278 | 10 | 0 |
| 71-71176 to 71-71178 | 10" | 288 | 10 | 0 |
| 71-71178 to 71-71180 | 10" | 180 | 9 | 4 |
| 71-71180 to 71-71218 | 10" | 140 | 9 | 0 |
| 71-71218 to 71-71182 | 10" | 60 | 9 | 0 |

HARBAL DR.

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|---------------------------|----------|--------|----------------|----------------|
| 71-61291 to 71-64992 | 8" | 260 | 10 | 0 |
| 71-64992 to 71-65009 | 8" | 280 | 9 | 0 |
| 71-65009 to 71-65008 | 8" | 100 | 7 | 0 |
| 71-65008 to 71-65007 | 8" | 100 | 6 | 0 |

HILL ST.

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|---------------------------|----------|--------|------------------------|----------------|
| 71-71637 to 71-71395 | 8" | 202 | | 0 |
| 71-71395 to 71-71369 | 8" | 223 | | 1 |
| 71-71369 to 71-71397 | 8" | 82 | No vertical projection | 0 |
| 71-71397 to 71-71398 | 8" | 116 | on plans | 0 |
| 71-71398 to 71-71362 | 8" | 165 | | 0 |
| | 8" | 112 | | 0 |

HILLTOP DR.

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|---------------------------|----------|--------|----------------|----------------|
| 71-66919 to 71-66920 | 8" | 113 | 8 | 0 |
| 71-67023 to 71-66920 | 8" | 174 | 7 | 0 |
| 71-66920 to 71-66921 | 8" | 102 | 8 | 0 |
| 71-66921 to 71-66922 | 8" | 156 | 8 | 0 |
| 71-662922 to 71-66923 | 8" | 158 | 7 | 0 |
| 71-66923 to 71-66924 | 8" | 130 | 7 | 0 |

KOCK AVE.

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|---------------------------|----------|--------|----------------|----------------|
| 71-70727 to 71-70728 | 8" | 180 | 8 | 0 |
| 71-70728 to 71-71079 | 8" | 194 | 8 | 0 |
| 71-71079 to 71-70700 | 8" | 210 | 9 | 0 |
| 71-70700 to 71-71632 | 8" | 250 | 7 | 0 |

LAKEHURST LN.

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|---------------------------|----------|--------|----------------|----------------|
| 71-66655 to 71-66654 | 12" | 150 | 8 | 0 |

MOORE ST.

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|---|----------|--------|----------------|----------------|
| (Traver & Moore) to (Maiden & Broadway) | 8" | 330 | 3 | 0 |

N. UNIVERSITY AVE.

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|---------------------------|----------|--------|----------------|----------------|
| 71-71799 to 71-71301 | 8" | 120 | 9 | 3 |
| 71-71301 to 71-71298 | 8" | 512 | 8 | 0 |
| 71-71298 to 71-72351 | 8" | 100 | 9 | 1 |
| 71-72351 to 71-71320 | 8" | 231 | 8 | 1 |
| 71-71320 to 71-073107 | 8" | 20 | 9 | 0 |
| 71-073107 to 71-71323 | 10" | 110 | 9 | 0 |
| 71-71323 to 71-71205 | 10" | 100 | 9 | 0 |

OLIVIA AVE.

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|------------------------------|----------|--------|------------------------|----------------|
| 71-70335 to 71-70336 | 8" | 302 | | 15 |
| 71-70336 to 71-70337 | 8" | 100 | No vertical projection | 0 |
| 71-70337 to 71-70338 | 8" | 175 | on plans | 2 |
| 71-70338 to 71-70345 | 8" | 170 | | 0 |
| 71-70345 to 71-70346 | 8" | 195 | 9 | 9 |
| 71-70346 to (S. of 71-70346) | 8" | 200 | 9 | 12 |
| (S. of 71-70346) to 71-70342 | 8" | 270 | 7 | 18 |
| 71-70342 to 71-70347 | 8" | 213 | 6 | 0 |
| 71-70347 to 71-70341 | 8" | 25 | 6 | 0 |
| 71-70341 to 71-70340 | 8" | 200 | 3 | 0 |
| 71-70340 to 71-70339 | 10" | 300 | | 0 |
| 71-70339 to 71-70349 | 10" | 300 | No vertical projection | 1 |
| 71-70349 to 71-70348 | 10" | 150 | on plans | 0 |
| 71-70348 to 71-70351 | 10" | 165 | | 0 |

PACKARD ST.

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|-------------------------------|----------|--------|----------------|----------------|
| (Packard & Arbor) to 71-71463 | 15" | 80 | 9 | 0 |
| 71-71463 to (Packard & State) | 15" | 15 | 9 | 0 |
| (Packard & State) to 71-71434 | 15" | 10 | 8 | 0 |
| 71-71434 to (SE of 71-71434) | 15" | 110 | 9 | 0 |
| (Packard & State) to 71-71465 | 15" | 150 | 8 | 0 |

S. DIVISION ST.

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|---------------------------|----------|--------|----------------|----------------|
| 71-71546 to 71-71470 | 15" | 790 | 8 | 0 |

S FOREST AVE.

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|---------------------------|----------|--------|----------------|----------------|
| 71-70241 to 71-70247 | 10" | 330 | 12 | 0 |

S STATE ST.

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|---------------------------|----------|--------|----------------|----------------|
| 71-71450 to 71-71452 | 10" | 250 | 7 | 0 |
| 71-71520 to 71-71463 | 15" | 80 | 8 | 0 |
| 71-71463 to 71-71464 | 15" | 15 | 8 | 0 |
| 71-71464 to 71-71434 | 15" | 10 | 7 | 0 |
| 71-71464 to 71-71465 | 15" | 140 | 8 | 0 |

SYLVAN AVE.

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|---------------------------|----------|--------|----------------|----------------|
| 71-71504 to 71-71503 | 8" | 80 | 6 | 6 |
| 71-71503 to 71-71502 | 8" | 160 | 4 | 9 |
| 71-71502 to 71-71501 | 8" | 230 | 5 | 11 |
| 71-71501 to 71-71482 | 8" | 200 | 4 | 4 |

THIRD ST.

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|---------------------------|----------|--------|----------------|----------------|
| 71-64060 to 71-64053 | 8" | 200 | 10 | 0 |
| 71-64053 to 71-64045 | 8" | 240 | 9 | 0 |
| 71-70828 to 71-70709 | 8" | 400 | 7 | 0 |
| 71-70709 to 71-70710 | 8" | 264 | 6 | 0 |

TRAVER ST.

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|---------------------------|----------|--------|----------------|----------------|
| 71-71851 to 71-71852 | 8" | 255 | 7 | 0 |
| 71-71852 to 71-71763 | 8" | 200 | 10 | 5 |
| 71-71763 to 71-71764 | 8" | 25 | 9 | 0 |
| 71-71764 to 71-71765 | 8" | 27 | 8 | 0 |
| 71-71765 to 71-71766 | 8" | 175 | 7 | 0 |

TURNER PARK CT.

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|---------------------------|----------|--------|----------------|----------------|
| 71-67077 to 71-67078 | 8" | 200 | 5 | 0 |
| 71-67078 to 71-67070 | 8" | 110 | 4 | 0 |
| 71-67070 to 71-70715 | 6" | 150 | 4 | 0 |

W. DAVIS AVE.

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|-----------------------------|----------|--------|----------------|----------------|
| 71-64049 to 71-64048 | 8" | 110 | 11 | 0 |
| 71-64048 to 71-64047 | 8" | 230 | 10 | 0 |
| 71-64047 to 71-64046 | 8" | 90 | 9 | 0 |
| 71-64046 to 71-64045 | 8" | 150 | 9 | 0 |
| 71-64045 to 71-70752 | 8" | 150 | 5 | 0 |
| 71-70752 to (E of 71-70752) | 8" | 50 | 6 | 2 |
| (E of 71-70748) to 71-70748 | 8" | 30 | 5 | 8 |
| 71-70748 to 71-71084 | 8" | 220 | 5 | 2 |
| 71-71084 to (E of 71-71085) | 8" | 300 | 6 | 8 |

MAYWOOD AVE.

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|---------------------------|----------|--------|----------------|----------------|
| 92-065622 to 92-065621 | 8" | 295 | 9 | 0 |
| 92-065620 to 92-065619 | 8" | 240 | 8 | 0 |
| 92-065619 to 92-065618 | 8" | 240 | 9 | 0 |
| 92-065618 to 92-52329 | 12" | 260 | 9 | 0 |

HENRY ST.

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|---------------------------|----------|--------|----------------|----------------|
| 92-52948 to 92-51640 | 30" | 280 | 5 | 0 |
| 92-51640 to 92-51714 | 30" | 280 | 4 | 0 |
| 92-51714 to 92-51763 | 24" | 280 | 4 | 0 |
| 92-51763 to 92-51745 | 18" | 280 | 5 | 0 |
| 92-51745 to 92-51741 | 18" | 94 | 5 | 0 |
| 92-51741 to 92-50611 | 15" | 132 | 5 | 0 |
| 92-50611 to 92-50607 | 15" | 25 | 6 | 0 |
| 92-50607 to 92-63012 | 15" | 75 | 6 | 0 |
| 92-63012 to 92-50606 | 15" | 50 | 5 | 0 |
| 92-50606 to 92-50598 | 12" | 30 | 5 | 0 |

FRENDON RD. & SHADFORD RD.

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|-----------------------------|----------|--------|----------------|----------------|
| 92-58361 to 92-58356 | 18" | 145 | 4 | 0 |
| 92-58356 to 92-59058 | 12" | 165 | 5 | 0 |
| 92-59058 to (E of 92-59058) | 12" | 255 | 5 | 0 |
| (E of 92-59058) to 92-58990 | 12" | 287 | 7 | 0 |
| 92-58990 to 92-58959 | 12" | 210 | 5 | 0 |

BROCKMAN BLVD.

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|---------------------------|----------|--------|----------------|----------------|
| 92-58776 to 92-50716 | 15" | 163 | 4 | 0 |
| 92-50716 to 92-50717 | 15" | 158 | 5 | 0 |
| 92-50717 to 92-50718 | 15" | 70 | 7 | 0 |
| 92-50718 to 92-50719 | 15" | 240 | 8 | 0 |
| 92-50719 to 92-50720 | 15" | 85 | 7 | 0 |
| 92-50720) to 92-58784 | 20" | 242 | 5 | 0 |

MOORE ST., PLYMOUTH RD., & BROADWAY ST.

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|---------------------------|----------|--------|----------------|----------------|
| 92-61914 to 92-61915 | 12" | 330 | 5 | 0 |
| 92-61915 to 92-61916 | 12" | 165 | 3 | 0 |
| 29-61916 to 92-61917 | 15" | 45 | 4 | 0 |
| 92-61917 to 91-61918 | 18" | 48 | | 0 |
| 92-61918 to 92-61919 | 12" | 35 | | 0 |
| 92-61919 to 92-61920 | 12" | 182 | | 0 |
| 92-61922 to 92-61923 | 20" | 318 | | |
| 92-61923 to 92-62087 | 20" | 331 | | |

ROOSEVELT AVE. & CHURCH ST.

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|----------------------------------|----------|--------|----------------|----------------|
| 92-59582 to 92-063244 | 20" | 140 | 6 | 0 |
| 92-063244 to 92-59569 | 20" | 210 | 7 | 0 |
| 92-5969 to 92-59583 | 20" | 102 | 8 | 0 |
| 92-59583 to (Church & Roosevelt) | 20" | 320 | 6 | 0 |
| (Church & Roosevelt) to 92-59570 | 18" | 45 | | 0 |
| 92-59570 to 92-59580 | 18" | 220 | | 0 |

PROSPECT ST.

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|------------------------------|----------|--------|----------------|----------------|
| (SE of 92-59223) to 92-59223 | 12" | 100 | 5 | 0 |
| 92-59222 to 92-59223 | 12" | 150 | 5 | 0 |
| 92-59223 to 92-59224 | 12" | 165 | 5 | 0 |

E. UNVIERSITY AVE.

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|---------------------------|----------|--------|---------------------|----------------|
| 92-61295 to 92-61288 | 36" | 315 | | 0 |
| 92-61288 to 92-59257 | 36" | 160 | | 0 |
| 92-59257 to 92-59256 | 12" | 60 | Not able to extract | 0 |
| 92-59257 to 92-63773 | 12" | 50 | accurately from | 0 |
| 92-63773 to 92-59224 | 12" | 25 | drawings | 0 |
| 92-59226 to 92-61287 | 24" | 150 | | 0 |
| 92-61287 to 92-61286 | 24" | 290 | | 0 |

STATE ST. & PACKARD ST.

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|---------------------------|----------|--------|----------------|----------------|
| 92-61300 to 92-61502 | 12" | 152 | 4 | 0 |
| 92-61502 to 92-61267) | 30" | 336 | 4 | 0 |

W. KINGSLEY AVE.

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|---------------------------|----------|--------|----------------|----------------|
| 92-60538 to 92-61007 | | 12 295 | 5 | 0 |
| 92-61007 to 92-60152 | 15" | 165 | 4 | 0 |
| 92-60152 to 92-60230 | | 12 165 | 3 | 0 |
| 92-60230 to 92-60360 | 18" | 45 | 4 | 0 |

E. HOOVER AVE. STROM

| CIPP Segment (--- to ---) | Diameter | Length | Average Depths | Lateral Counts |
|---------------------------|----------|--------|----------------|----------------|
| 92-61392 to 92-61393 | 24" | 60 | 8 | 0 |
| 92-61393 to 92-61394 | 24" | 10 | 8 | 0 |
| 92-61394 to 92-065720 | 24" | 135 | 9 | 0 |
| 92-065720 to 92-065719 | 48" | 132 | 7 | 0 |
| 92-065719 to 92-61398 | 21" | 30 | 5 | 0 |
| 92-61398 to 92-065718 | 21" | 30 | 4 | 0 |
| 92-065718 to 92-065717 | 36" | 206 | 4 | 0 |
| 92-065717 to 92-065716 | 36" | 135 | 6 | 0 |