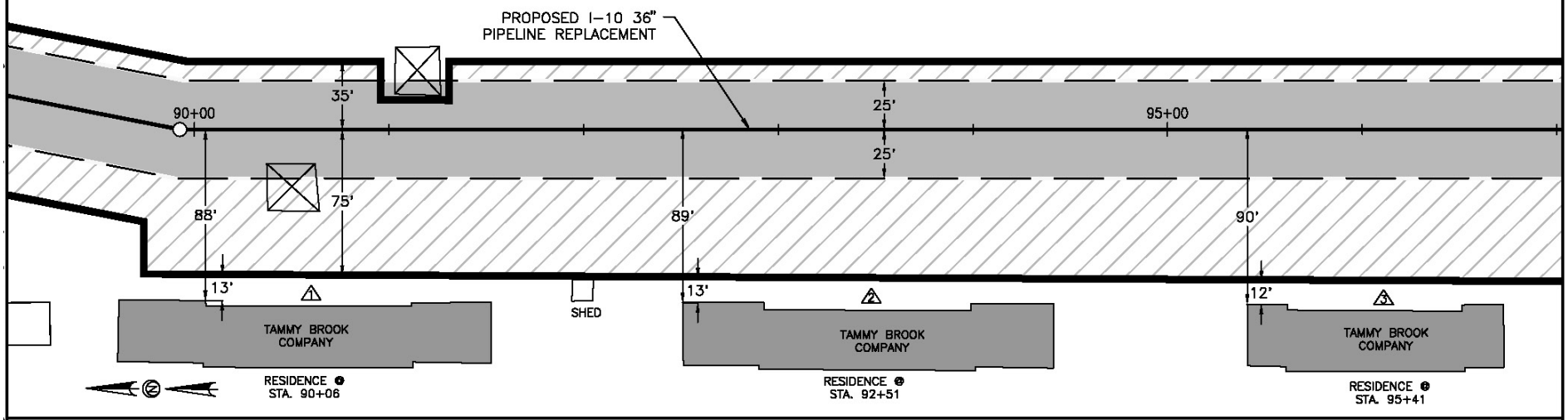
APPENDIX J

SITE-SPECIFIC RESIDENTIAL CONSTRUCTION PLANS
FOR THE HUBLINE/EAST TO WEST PROJECT

TOWN OF WEYMOUTH



LEGEND

- PROPOSED PIPELINE
- EXISTING PIPELINE
- CONSTRUCTION WORK AREA
- PERMANENT EASEMENT
- UTILITY TOWER
- EDGE OF PAVEMENT

DESCRIPTION:

1. AT SURVEY STATION 90+06 THERE IS A RESIDENCE 13' RIGHT OF THE CWA AND 88' RIGHT OF THE CENTERLINE OF THE PROPOSED I-10 36" PIPELINE REPLACEMENT.
2. AT SURVEY STATION 92+51 THERE IS A RESIDENCE 13' RIGHT OF THE CWA AND 89' RIGHT OF THE CENTERLINE OF THE PROPOSED I-10 36" PIPELINE REPLACEMENT.
3. AT SURVEY STATION 95+41 THERE IS A RESIDENCE 12' RIGHT OF THE CWA AND 90' RIGHT OF THE CENTERLINE OF THE PROPOSED I-10 36" PIPELINE REPLACEMENT.

NOTES:

1. (CWA) REFERS TO THE CONSTRUCTION WORK AREA
2. SAFETY FENCE WILL BE INSTALLED AT THE EDGE OF THE CONSTRUCTION RIGHT-OF-WAY FOR A DISTANCE OF 100' FEET ON EITHER SIDE OF THE RESIDENCE.

CONSTRUCTION TECHNIQUES:

ONE OF THE FOLLOWING TECHNIQUES SHALL BE UTILIZED FOR A LONGITUDINAL DISTANCE OF 100' FEET EITHER SIDE OF THE RESIDENCE

1. THE SEWER LINE TECHNIQUE TYPICALLY USED WHEN THE PIPELINE IS TO BE INSTALLED IN VERY CLOSE PROXIMITY TO AN EXISTING STRUCTURE OR WHEN AN OPEN DITCH WOULD ADVERSELY IMPACT A COMMERCIAL/INDUSTRIAL ESTABLISHMENT. THE TECHNIQUE INVOLVES INSTALLING PIPE ONE JOINT AT A TIME WHEREBY THE WELDING, X-RAY AND COATING ACTIVITIES ARE ALL PERFORMED IN THE OPEN TRENCH. AT THE END OF EACH DAY THE NEWLY INSTALLED PIPE IS BACKFILLED OR THE OPEN TRENCH IS COVERED WITH STEEL PLATES OR TIMBER MATS.
2. THE DRAG SECTION CONSTRUCTION TECHNIQUE INVOLVES THE TRENCHING, INSTALLATION AND BACKFILL OF A PREFABRICATED LENGTH OF PIPE CONTAINING SEVERAL SEGMENTS ALL IN ONE DAY. AT THE END OF EACH DAY THE NEWLY INSTALLED PIPE IS BACKFILLED AND/OR COVERED WITH STEEL PLATES OR TIMBER MATS.

GRAPHIC SCALE

0 50' 100'

REDUCED SCALE

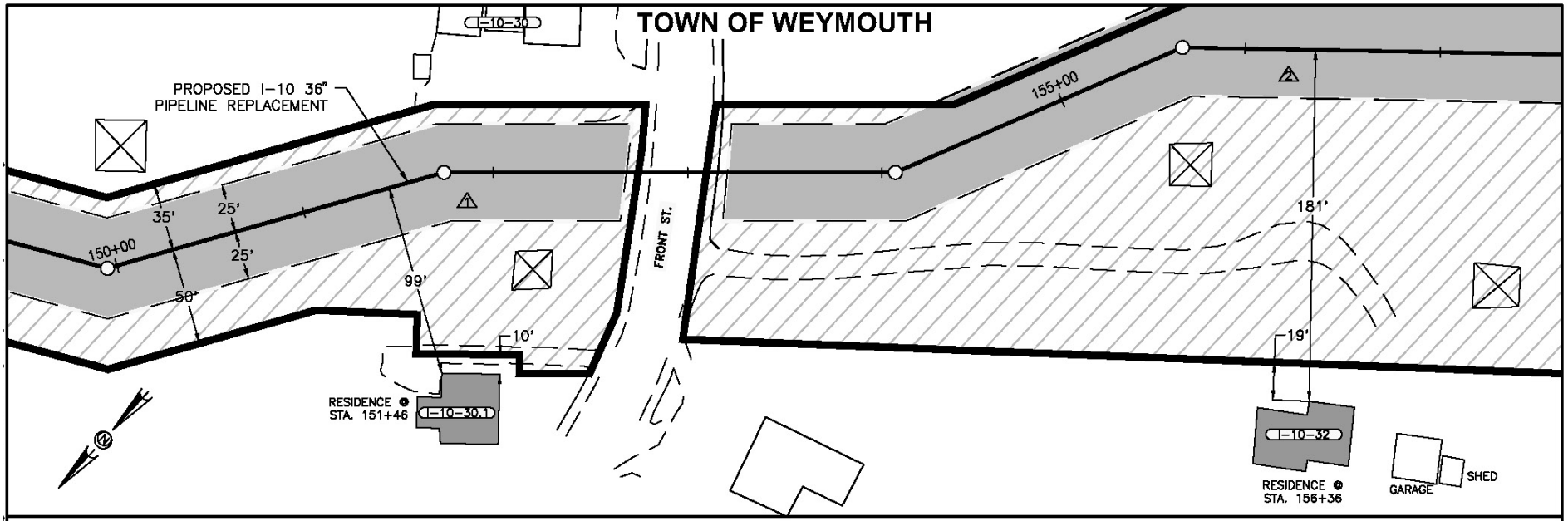
PRELIMINARY 10/9/2008

Appendix J

HubLine/East to West Project

I-10 Extension

(Sheet 1 of 12)



DESCRIPTION:

1. AT SURVEY STATION 151+46 THERE IS A RESIDENCE 10' RIGHT OF THE CWA AND 99' RIGHT OF THE CENTERLINE OF THE PROPOSED I-10 36" PIPELINE REPLACEMENT.

2. AT SURVEY STATION 156+36 THERE IS A RESIDENCE 19' RIGHT OF THE CWA AND 181' RIGHT OF THE CENTERLINE OF THE PROPOSED I-10 36" PIPELINE REPLACEMENT.

LEGEND

- PROPOSED PIPELINE
- EXISTING PIPELINE
- CONSTRUCTION WORK AREA
- PERMANENT EASEMENT
- UTILITY TOWER
- EDGE OF PAVEMENT

NOTES:

1. (CWA) REFERS TO THE CONSTRUCTION WORK AREA
2. SAFETY FENCE WILL BE INSTALLED AT THE EDGE OF THE CONSTRUCTION RIGHT-OF-WAY FOR A DISTANCE OF 100' FEET ON EITHER SIDE OF THE RESIDENCE.

CONSTRUCTION TECHNIQUES:

ONE OF THE FOLLOWING TECHNIQUES SHALL BE UTILIZED FOR A LONGITUDINAL DISTANCE OF 100' FEET EITHER SIDE OF THE RESIDENCE

1. THE SEWER LINE TECHNIQUE TYPICALLY USED WHEN THE PIPELINE IS TO BE INSTALLED IN VERY CLOSE PROXIMITY TO AN EXISTING STRUCTURE OR WHEN AN OPEN DITCH WOULD ADVERSELY IMPACT A COMMERCIAL/INDUSTRIAL ESTABLISHMENT. THE TECHNIQUE INVOLVES INSTALLING PIPE ONE JOINT AT A TIME WHEREBY THE WELDING, X-RAY AND COATING ACTIVITIES ARE ALL PERFORMED IN THE OPEN TRENCH. AT THE END OF EACH DAY THE NEWLY INSTALLED PIPE IS BACKFILLED OR THE OPEN TRENCH IS COVERED WITH STEEL PLATES OR TIMBER MATS.
2. THE DRAG SECTION CONSTRUCTION TECHNIQUE INVOLVES THE TRENCHING, INSTALLATION AND BACKFILL OF A PREFABRICATED LENGTH OF PIPE CONTAINING SEVERAL SEGMENTS ALL IN ONE DAY. AT THE END OF EACH DAY THE NEWLY INSTALLED PIPE IS BACKFILLED AND/OR COVERED WITH STEEL PLATES OR TIMBER MATS.

GRAPHIC SCALE

0 50' 100'

REDUCED SCALE

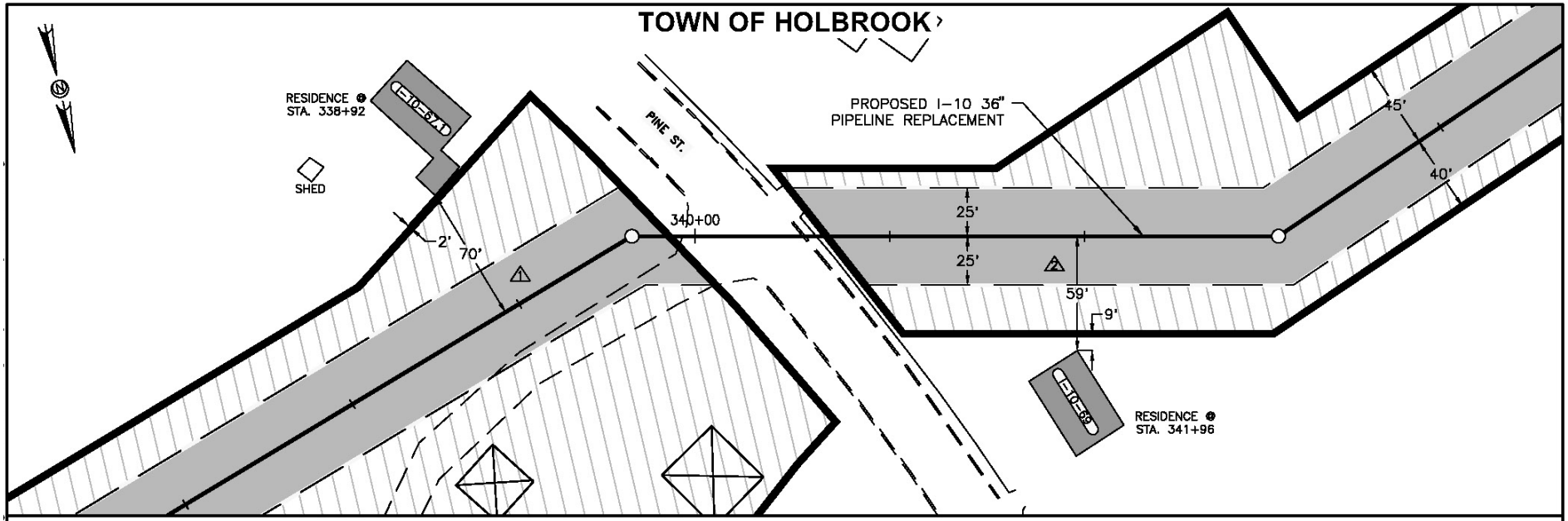
PRELIMINARY 10/9/2008

Appendix J

HubLine/East to West Project

I-10 Extension

(Sheet 2 of 12)



DESCRIPTION:

1. AT SURVEY STATION 338+92 THERE IS A RESIDENCE 2' LEFT OF THE CWA AND 70' LEFT OF THE CENTERLINE OF THE PROPOSED I-10 36" PIPELINE REPLACEMENT.

2. AT SURVEY STATION 341+96 THERE IS A RESIDENCE 9' RIGHT OF THE CWA AND 59' RIGHT OF THE CENTERLINE OF THE PROPOSED I-10 36" PIPELINE REPLACEMENT.

LEGEND

- PROPOSED PIPELINE
- EXISTING PIPELINE
- CONSTRUCTION WORK AREA
- PERMANENT EASEMENT
- UTILITY TOWER
- EDGE OF PAVEMENT

NOTES:

1. (CWA) REFERS TO THE CONSTRUCTION WORK AREA
2. SAFETY FENCE WILL BE INSTALLED AT THE EDGE OF THE CONSTRUCTION RIGHT-OF-WAY FOR A DISTANCE OF 100' FEET ON EITHER SIDE OF THE RESIDENCE.

CONSTRUCTION TECHNIQUES:

ONE OF THE FOLLOWING TECHNIQUES SHALL BE UTILIZED FOR A LONGITUDINAL DISTANCE OF 100' FEET EITHER SIDE OF THE RESIDENCE

1. THE SEWER LINE TECHNIQUE TYPICALLY USED WHEN THE PIPELINE IS TO BE INSTALLED IN VERY CLOSE PROXIMITY TO AN EXISTING STRUCTURE OR WHEN AN OPEN DITCH WOULD ADVERSELY IMPACT A COMMERCIAL/INDUSTRIAL ESTABLISHMENT. THE TECHNIQUE INVOLVES INSTALLING PIPE ONE JOINT AT A TIME WHEREBY THE WELDING, X-RAY AND COATING ACTIVITIES ARE ALL PERFORMED IN THE OPEN TRENCH. AT THE END OF EACH DAY THE NEWLY INSTALLED PIPE IS BACKFILLED OR THE OPEN TRENCH IS COVERED WITH STEEL PLATES OR TIMBER MATS.
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GRAPHIC SCALE

0 50' 100'

REDUCED SCALE

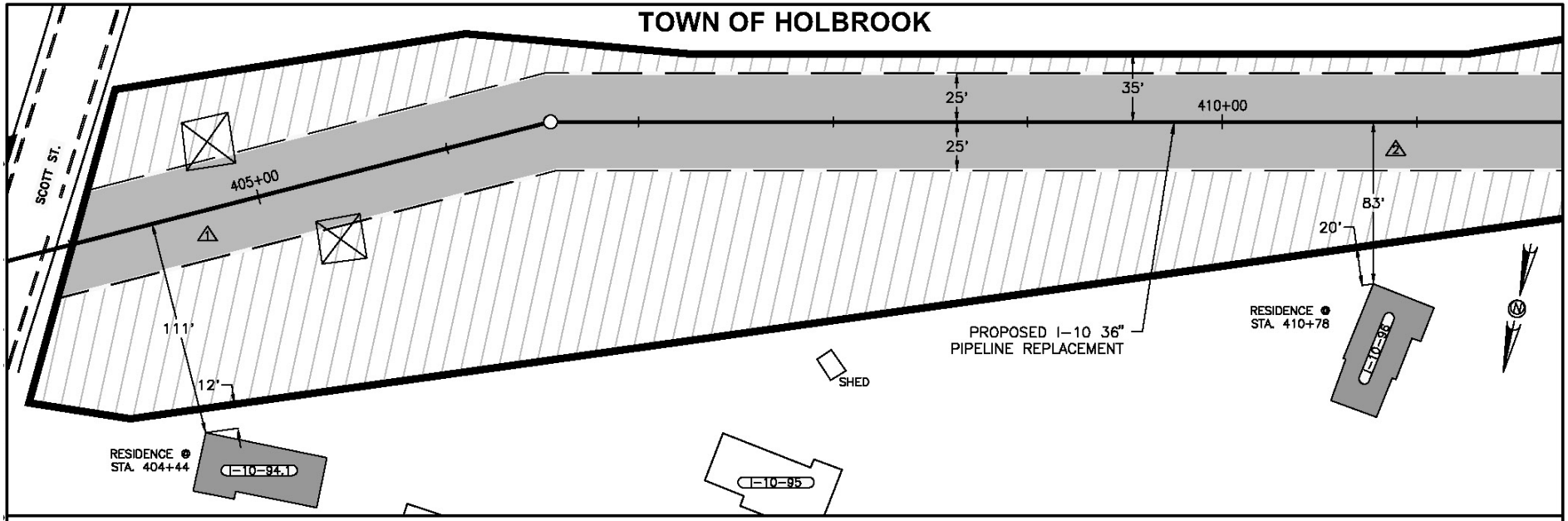
PRELIMINARY 10/9/2008

Appendix J

HubLine/East to West Project

I-10 Extension

(Sheet 3 of 12)



DESCRIPTION:

1. AT SURVEY STATION 404+44 THERE IS A RESIDENCE 12' RIGHT OF THE CWA AND 111' RIGHT OF THE CENTERLINE OF THE PROPOSED I-10 36" PIPELINE REPLACEMENT.

2. AT SURVEY STATION 410+78 THERE IS A RESIDENCE 20' RIGHT OF THE CWA AND 83' RIGHT OF THE CENTERLINE OF THE PROPOSED I-10 36" PIPELINE REPLACEMENT.

LEGEND

- PROPOSED PIPELINE
- EXISTING PIPELINE
- CONSTRUCTION WORK AREA
- PERMANENT EASEMENT
- UTILITY TOWER
- EDGE OF PAVEMENT

NOTES:

1. (CWA) REFERS TO THE CONSTRUCTION WORK AREA
2. SAFETY FENCE WILL BE INSTALLED AT THE EDGE OF THE CONSTRUCTION RIGHT-OF-WAY FOR A DISTANCE OF 100' FEET ON EITHER SIDE OF THE RESIDENCE.

CONSTRUCTION TECHNIQUES:

ONE OF THE FOLLOWING TECHNIQUES SHALL BE UTILIZED FOR A LONGITUDINAL DISTANCE OF 100' FEET EITHER SIDE OF THE RESIDENCE

1. THE SEWER LINE TECHNIQUE TYPICALLY USED WHEN THE PIPELINE IS TO BE INSTALLED IN VERY CLOSE PROXIMITY TO AN EXISTING STRUCTURE OR WHEN AN OPEN DITCH WOULD ADVERSELY IMPACT A COMMERCIAL/INDUSTRIAL ESTABLISHMENT. THE TECHNIQUE INVOLVES INSTALLING PIPE ONE JOINT AT A TIME WHEREBY THE WELDING, X-RAY AND COATING ACTIVITIES ARE ALL PERFORMED IN THE OPEN TRENCH. AT THE END OF EACH DAY THE NEWLY INSTALLED PIPE IS BACKFILLED OR THE OPEN TRENCH IS COVERED WITH STEEL PLATES OR TIMBER MATS.
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GRAPHIC SCALE

0 50' 100'

REDUCED SCALE

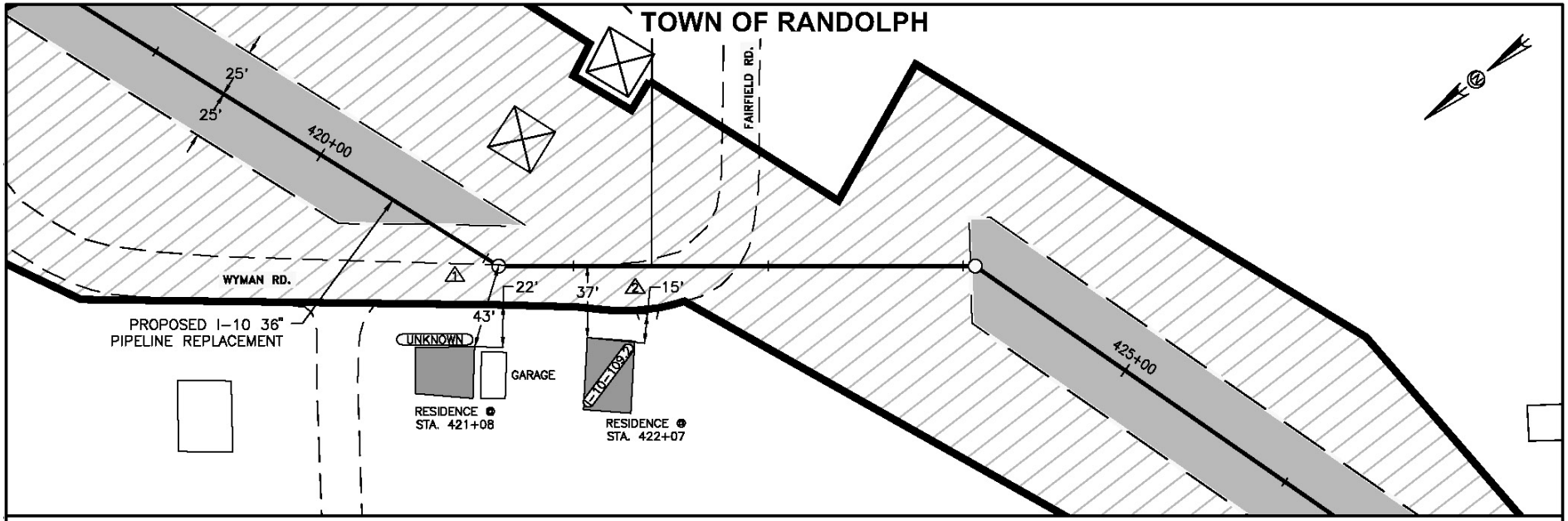
PRELIMINARY 10/9/2008

Appendix J

HubLine/East to West Project

I-10 Extension

(Sheet 4 of 12)



DESCRIPTION:

1. AT SURVEY STATION 421+08 THERE IS A RESIDENCE 22' RIGHT OF THE CWA AND 43' RIGHT OF THE CENTERLINE OF THE PROPOSED I-10 36" PIPELINE REPLACEMENT.

2. AT SURVEY STATION 422+07 THERE IS A RESIDENCE 15' RIGHT OF THE CWA AND 37' RIGHT OF THE CENTERLINE OF THE PROPOSED I-10 36" PIPELINE REPLACEMENT.

LEGEND

- PROPOSED PIPELINE
- EXISTING PIPELINE
- CONSTRUCTION WORK AREA
- PERMANENT EASEMENT
- UTILITY TOWER
- EDGE OF PAVEMENT

NOTES:

1. (CWA) REFERS TO THE CONSTRUCTION WORK AREA
2. SAFETY FENCE WILL BE INSTALLED AT THE EDGE OF THE CONSTRUCTION RIGHT-OF-WAY FOR A DISTANCE OF 100' FEET ON EITHER SIDE OF THE RESIDENCE.

CONSTRUCTION TECHNIQUES:

ONE OF THE FOLLOWING TECHNIQUES SHALL BE UTILIZED FOR A LONGITUDINAL DISTANCE OF 100' FEET EITHER SIDE OF THE RESIDENCE

1. THE SEWER LINE TECHNIQUE TYPICALLY USED WHEN THE PIPELINE IS TO BE INSTALLED IN VERY CLOSE PROXIMITY TO AN EXISTING STRUCTURE OR WHEN AN OPEN DITCH WOULD ADVERSELY IMPACT A COMMERCIAL/INDUSTRIAL ESTABLISHMENT. THE TECHNIQUE INVOLVES INSTALLING PIPE ONE JOINT AT A TIME WHEREBY THE WELDING, X-RAY AND COATING ACTIVITIES ARE ALL PERFORMED IN THE OPEN TRENCH. AT THE END OF EACH DAY THE NEWLY INSTALLED PIPE IS BACKFILLED OR THE OPEN TRENCH IS COVERED WITH STEEL PLATES OR TIMBER MATS.
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GRAPHIC SCALE

0 50' 100'

REDUCED SCALE

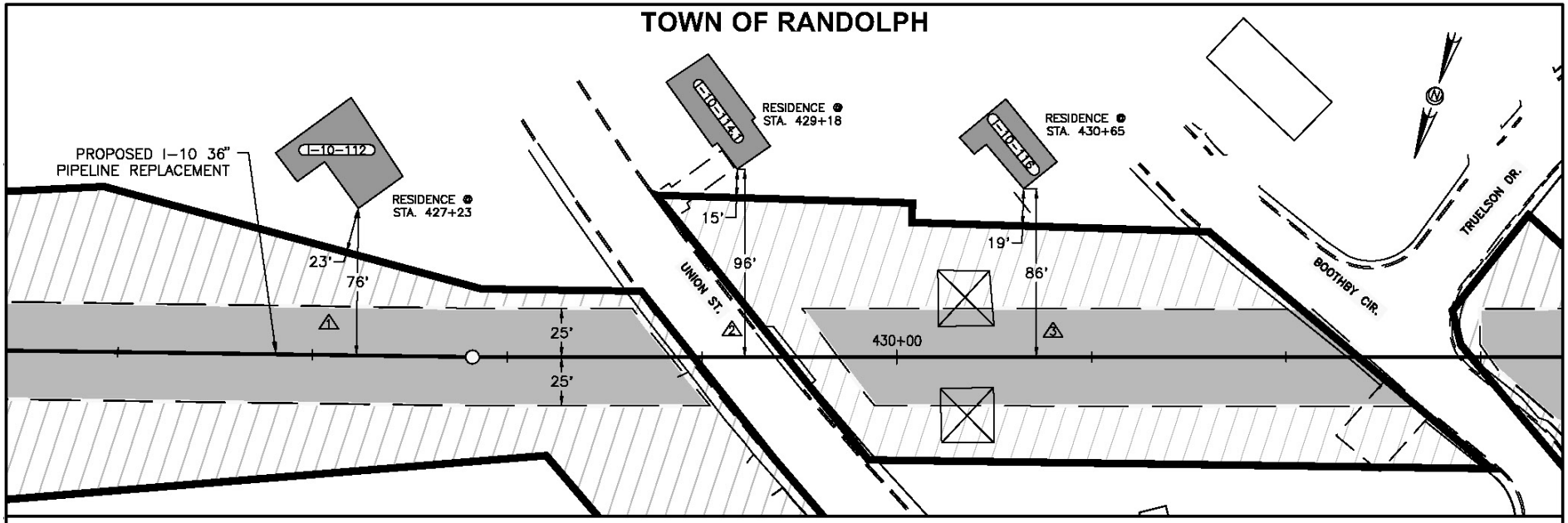
PRELIMINARY 10/9/2008

Appendix J

HubLine/East to West Project

I-10 Extension

(Sheet 5 of 12)



DESCRIPTION:

1. AT SURVEY STATION 427+23 THERE IS A RESIDENCE 23' LEFT OF THE CWA AND 76' LEFT OF THE CENTERLINE OF THE PROPOSED I-10 36" PIPELINE REPLACEMENT.

2. AT SURVEY STATION 429+18 THERE IS A RESIDENCE 15' LEFT OF THE CWA AND 96' LEFT OF THE CENTERLINE OF THE PROPOSED I-10 36" PIPELINE REPLACEMENT.

3. AT SURVEY STATION 430+65 THERE IS A RESIDENCE 19' LEFT OF THE CWA AND 86' LEFT OF THE CENTERLINE OF THE PROPOSED I-10 36" PIPELINE REPLACEMENT.

LEGEND

- PROPOSED PIPELINE
- EXISTING PIPELINE
- CONSTRUCTION WORK AREA
- PERMANENT EASEMENT
- UTILITY TOWER
- EDGE OF PAVEMENT

NOTES:

1. (CWA) REFERS TO THE CONSTRUCTION WORK AREA
2. SAFETY FENCE WILL BE INSTALLED AT THE EDGE OF THE CONSTRUCTION RIGHT-OF-WAY FOR A DISTANCE OF 100' FEET ON EITHER SIDE OF THE RESIDENCE.

CONSTRUCTION TECHNIQUES:

ONE OF THE FOLLOWING TECHNIQUES SHALL BE UTILIZED FOR A LONGITUDINAL DISTANCE OF 100' FEET EITHER SIDE OF THE RESIDENCE

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GRAPHIC SCALE

0 50' 100'

REDUCED SCALE

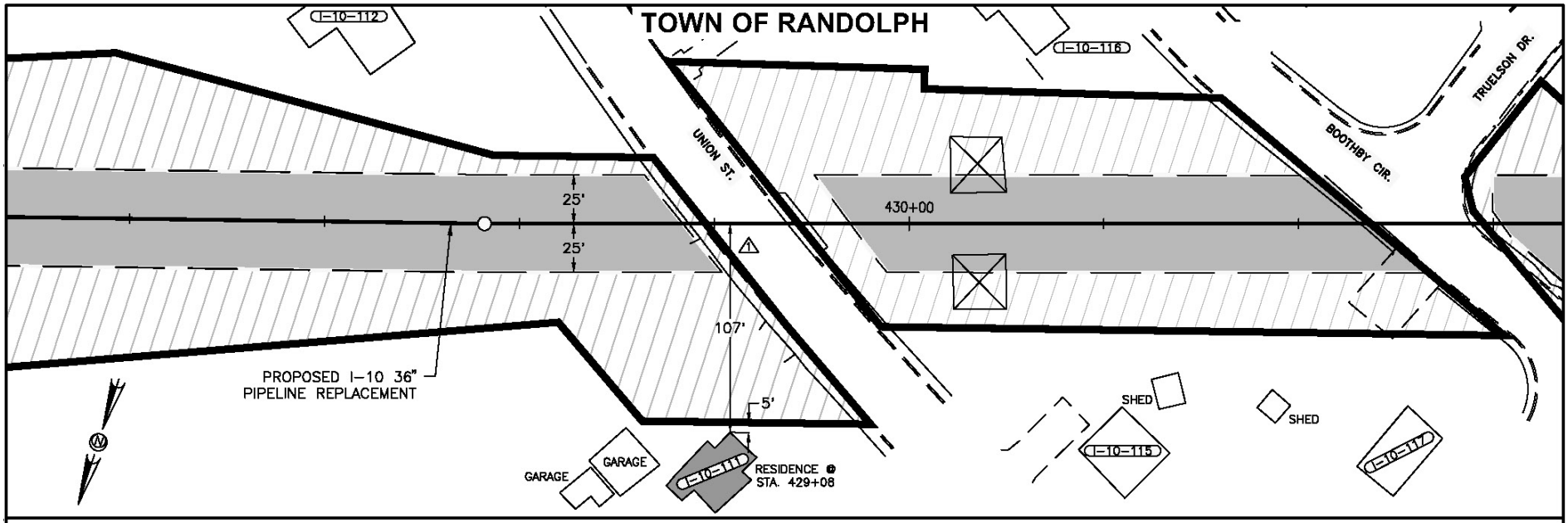
PRELIMINARY 10/9/2008

Appendix J

HubLine/East to West Project

I-10 Extension

(Sheet 6 of 12)



DESCRIPTION:

1. AT SURVEY STATION 429+08 THERE IS A RESIDENCE 5' RIGHT OF THE CWA AND 107' RIGHT OF THE CENTERLINE OF THE PROPOSED I-10 36" PIPELINE REPLACEMENT.

LEGEND

PROPOSED PIPELINE	
EXISTING PIPELINE	
CONSTRUCTION WORK AREA	
PERMANENT EASEMENT	
UTILITY TOWER	
EDGE OF PAVEMENT	

NOTES:

1. (CWA) REFERS TO THE CONSTRUCTION WORK AREA
2. SAFETY FENCE WILL BE INSTALLED AT THE EDGE OF THE CONSTRUCTION RIGHT-OF-WAY FOR A DISTANCE OF 100' FEET ON EITHER SIDE OF THE RESIDENCE.

CONSTRUCTION TECHNIQUES:

ONE OF THE FOLLOWING TECHNIQUES SHALL BE UTILIZED FOR A LONGITUDINAL DISTANCE OF 100' FEET EITHER SIDE OF THE RESIDENCE

1. THE SEWER LINE TECHNIQUE TYPICALLY USED WHEN THE PIPELINE IS TO BE INSTALLED IN VERY CLOSE PROXIMITY TO AN EXISTING STRUCTURE OR WHEN AN OPEN DITCH WOULD ADVERSELY IMPACT A COMMERCIAL/INDUSTRIAL ESTABLISHMENT. THE TECHNIQUE INVOLVES INSTALLING PIPE ONE JOINT AT A TIME WHEREBY THE WELDING, X-RAY AND COATING ACTIVITIES ARE ALL PERFORMED IN THE OPEN TRENCH. AT THE END OF EACH DAY THE NEWLY INSTALLED PIPE IS BACKFILLED OR THE OPEN TRENCH IS COVERED WITH STEEL PLATES OR TIMBER MATS.
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GRAPHIC SCALE

0 50' 100'

REDUCED SCALE

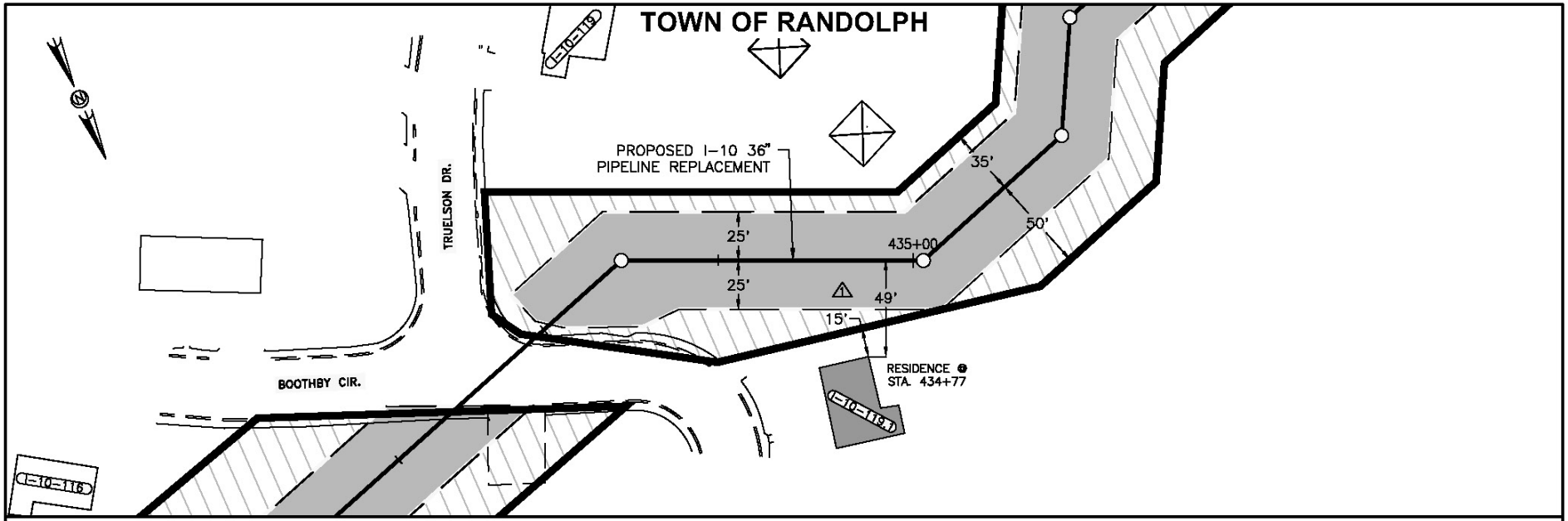
PRELIMINARY 10/9/2008

Appendix J

HubLine/East to West Project

I-10 Extension

(Sheet 7 of 12)



DESCRIPTION:

⚠1 AT SURVEY STATION 434+77 THERE IS A RESIDENCE 15' RIGHT OF THE CWA AND 49' RIGHT OF THE CENTERLINE OF THE PROPOSED I-10 36" PIPELINE REPLACEMENT.

LEGEND

- PROPOSED PIPELINE
- EXISTING PIPELINE
- CONSTRUCTION WORK AREA
- PERMANENT EASEMENT
- UTILITY TOWER
- EDGE OF PAVEMENT

NOTES:

1. (CWA) REFERS TO THE CONSTRUCTION WORK AREA
2. SAFETY FENCE WILL BE INSTALLED AT THE EDGE OF THE CONSTRUCTION RIGHT-OF-WAY FOR A DISTANCE OF 100' FEET ON EITHER SIDE OF THE RESIDENCE.

CONSTRUCTION TECHNIQUES:

ONE OF THE FOLLOWING TECHNIQUES SHALL BE UTILIZED FOR A LONGITUDINAL DISTANCE OF 100' FEET EITHER SIDE OF THE RESIDENCE

1. THE SEWER LINE TECHNIQUE TYPICALLY USED WHEN THE PIPELINE IS TO BE INSTALLED IN VERY CLOSE PROXIMITY TO AN EXISTING STRUCTURE OR WHEN AN OPEN DITCH WOULD ADVERSELY IMPACT A COMMERCIAL/INDUSTRIAL ESTABLISHMENT. THE TECHNIQUE INVOLVES INSTALLING PIPE ONE JOINT AT A TIME WHEREBY THE WELDING, X-RAY AND COATING ACTIVITIES ARE ALL PERFORMED IN THE OPEN TRENCH. AT THE END OF EACH DAY THE NEWLY INSTALLED PIPE IS BACKFILLED OR THE OPEN TRENCH IS COVERED WITH STEEL PLATES OR TIMBER MATS.
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GRAPHIC SCALE

0 50' 100'

REDUCED SCALE

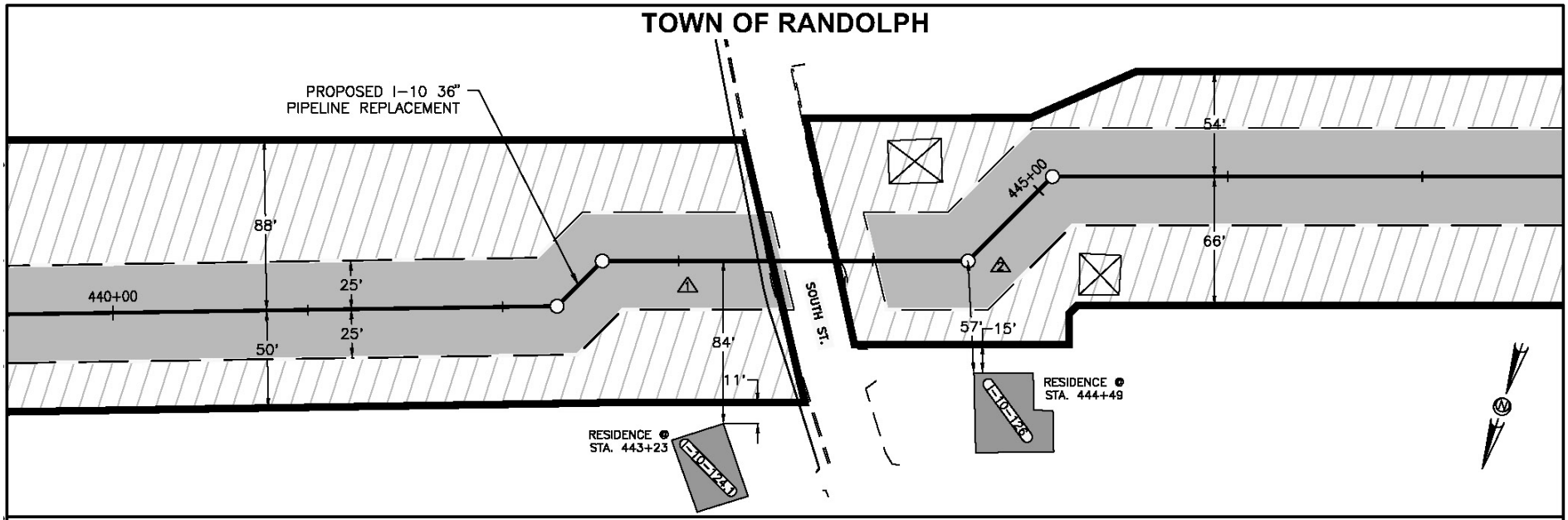
PRELIMINARY 10/9/2008

Appendix J

HubLine/East to West Project

I-10 Extension

(Sheet 8 of 12)



DESCRIPTION:

1. AT SURVEY STATION 443+23 THERE IS A RESIDENCE 11' RIGHT OF THE CWA AND 84' RIGHT OF THE CENTERLINE OF THE PROPOSED I-10 36" PIPELINE REPLACEMENT.

2. AT SURVEY STATION 444+49 THERE IS A RESIDENCE 15' RIGHT OF THE CWA AND 57' RIGHT OF THE CENTERLINE OF THE PROPOSED I-10 36" PIPELINE REPLACEMENT.

LEGEND

- PROPOSED PIPELINE
- EXISTING PIPELINE
- CONSTRUCTION WORK AREA
- PERMANENT EASEMENT
- UTILITY TOWER
- EDGE OF PAVEMENT

NOTES:

1. (CWA) REFERS TO THE CONSTRUCTION WORK AREA
2. SAFETY FENCE WILL BE INSTALLED AT THE EDGE OF THE CONSTRUCTION RIGHT-OF-WAY FOR A DISTANCE OF 100' FEET ON EITHER SIDE OF THE RESIDENCE.

CONSTRUCTION TECHNIQUES:

ONE OF THE FOLLOWING TECHNIQUES SHALL BE UTILIZED FOR A LONGITUDINAL DISTANCE OF 100' FEET EITHER SIDE OF THE RESIDENCE

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GRAPHIC SCALE

0 50' 100'

REDUCED SCALE

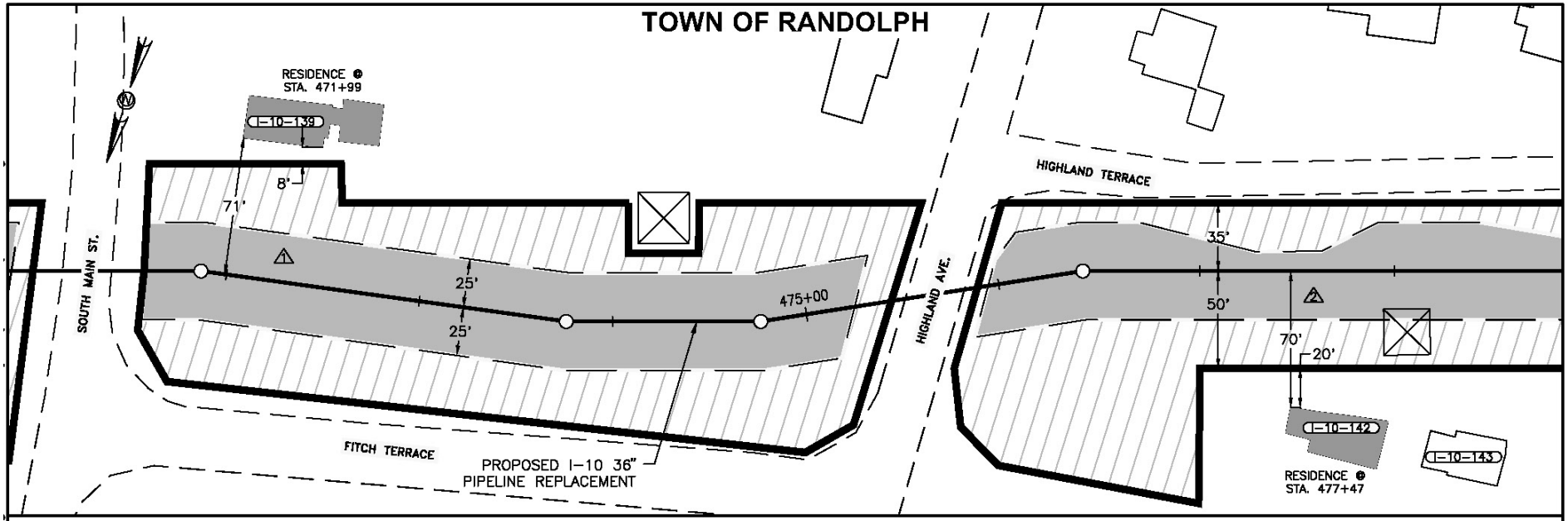
PRELIMINARY 10/9/2008

Appendix J

HubLine/East to West Project

I-10 Extension

(Sheet 9 of 12)



DESCRIPTION:

1. AT SURVEY STATION 471+99 THERE IS A RESIDENCE 8' LEFT OF THE CWA AND 71' LEFT OF THE CENTERLINE OF THE PROPOSED I-10 36" PIPELINE REPLACEMENT.

2. AT SURVEY STATION 477+47 THERE IS A RESIDENCE 20' RIGHT OF THE CWA AND 70' RIGHT OF THE CENTERLINE OF THE PROPOSED I-10 36" PIPELINE REPLACEMENT.

LEGEND

- PROPOSED PIPELINE
- EXISTING PIPELINE
- CONSTRUCTION WORK AREA
- PERMANENT EASEMENT
- UTILITY TOWER
- EDGE OF PAVEMENT

NOTES:

1. (CWA) REFERS TO THE CONSTRUCTION WORK AREA
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CONSTRUCTION TECHNIQUES:

ONE OF THE FOLLOWING TECHNIQUES SHALL BE UTILIZED FOR A LONGITUDINAL DISTANCE OF 100' FEET EITHER SIDE OF THE RESIDENCE

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GRAPHIC SCALE

0 50' 100'

REDUCED SCALE

PRELIMINARY 10/9/2008

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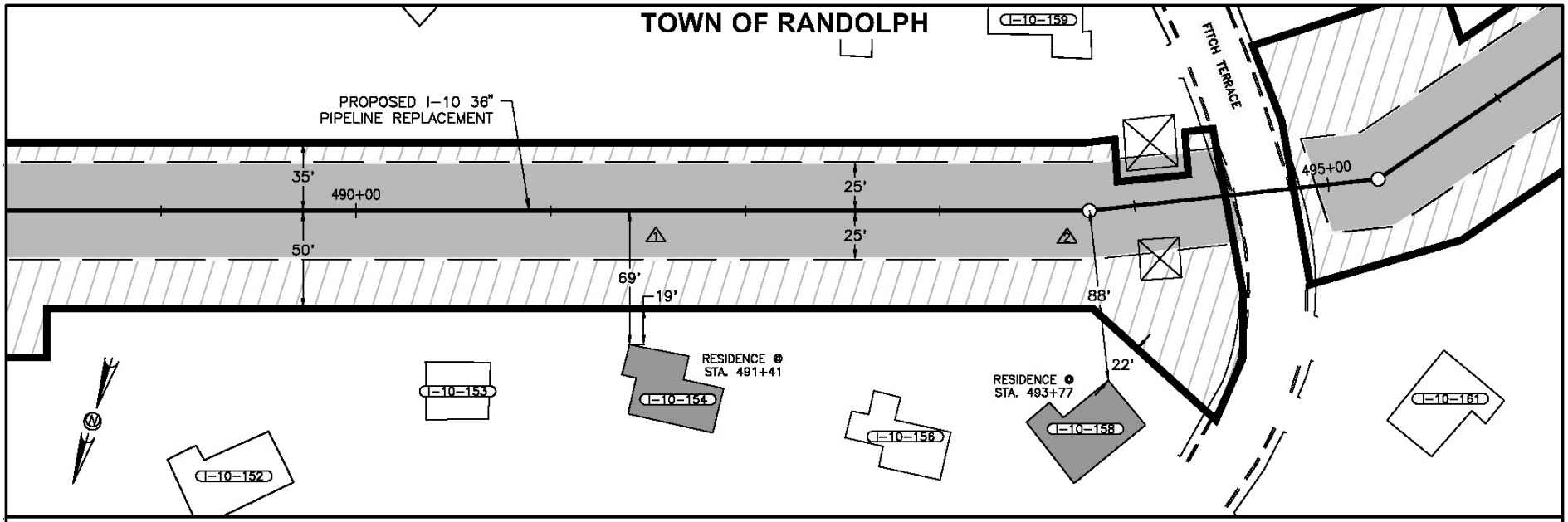
I-10 Extension

(Sheet 10 of 12)



DESCRIPTION:

1. AT SURVEY STATION 491+41 THERE IS A RESIDENCE 19' RIGHT OF THE CWA AND 69' RIGHT OF THE CENTERLINE OF THE PROPOSED I-10 36" PIPELINE REPLACEMENT.

2. AT SURVEY STATION 493+77 THERE IS A RESIDENCE 22' RIGHT OF THE CWA AND 88' RIGHT OF THE CENTERLINE OF THE PROPOSED I-10 36" PIPELINE REPLACEMENT.

LEGEND

- PROPOSED PIPELINE
- EXISTING PIPELINE
- CONSTRUCTION WORK AREA
- PERMANENT EASEMENT
- UTILITY TOWER
- EDGE OF PAVEMENT

NOTES:

1. (CWA) REFERS TO THE CONSTRUCTION WORK AREA
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ONE OF THE FOLLOWING TECHNIQUES SHALL BE UTILIZED FOR A LONGITUDINAL DISTANCE OF 100' FEET EITHER SIDE OF THE RESIDENCE

1. THE SEWER LINE TECHNIQUE TYPICALLY USED WHEN THE PIPELINE IS TO BE INSTALLED IN VERY CLOSE PROXIMITY TO AN EXISTING STRUCTURE OR WHEN AN OPEN DITCH WOULD ADVERSELY IMPACT A COMMERCIAL/INDUSTRIAL ESTABLISHMENT. THE TECHNIQUE INVOLVES INSTALLING PIPE ONE JOINT AT A TIME WHEREBY THE WELDING, X-RAY AND COATING ACTIVITIES ARE ALL PERFORMED IN THE OPEN TRENCH. AT THE END OF EACH DAY THE NEWLY INSTALLED PIPE IS BACKFILLED OR THE OPEN TRENCH IS COVERED WITH STEEL PLATES OR TIMBER MATS.
2. THE DRAG SECTION CONSTRUCTION TECHNIQUE INVOLVES THE TRENCHING, INSTALLATION AND BACKFILL OF A PREFABRICATED LENGTH OF PIPE CONTAINING SEVERAL SEGMENTS ALL IN ONE DAY. AT THE END OF EACH DAY THE NEWLY INSTALLED PIPE IS BACKFILLED AND/OR COVERED WITH STEEL PLATES OR TIMBER MATS.

GRAPHIC SCALE

0 50' 100'

REDUCED SCALE

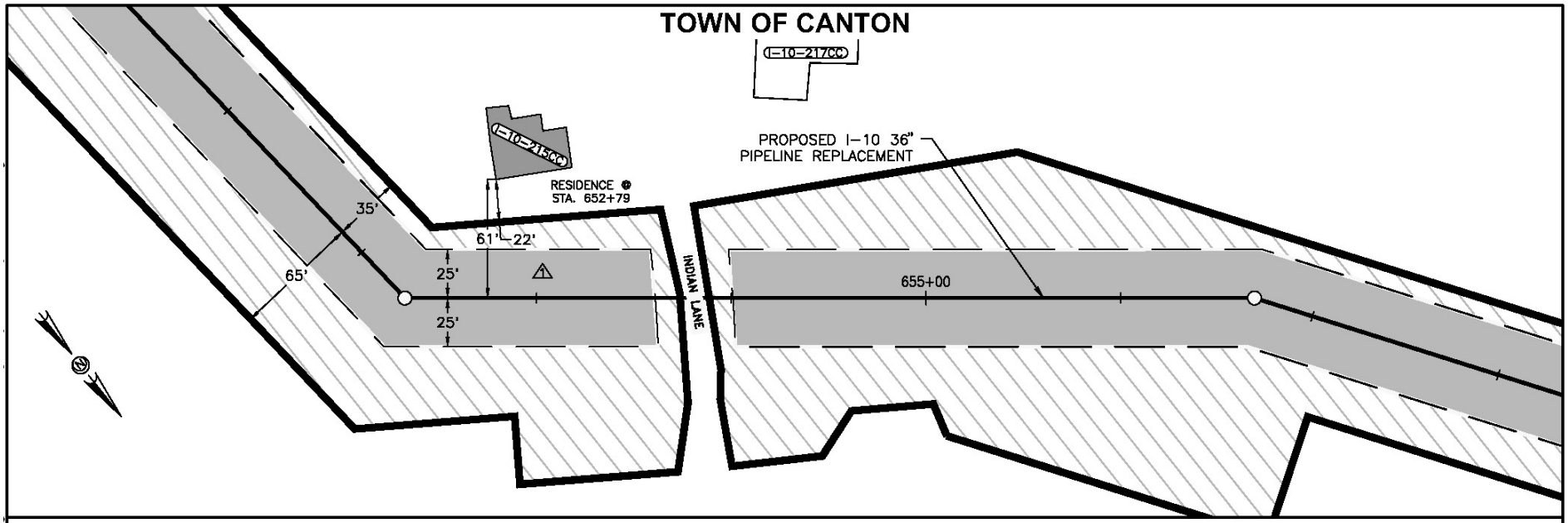
PRELIMINARY 10/9/2008

Appendix J

HubLine/East to West Project

I-10 Extension

(Sheet 11 of 12)



DESCRIPTION:

⚠1 AT SURVEY STATION 652+79 THERE IS A RESIDENCE 22' LEFT OF THE CWA AND 61' LEFT OF THE CENTERLINE OF THE PROPOSED I-10 36" PIPELINE REPLACEMENT.

CONSTRUCTION TECHNIQUES:

ONE OF THE FOLLOWING TECHNIQUES SHALL BE UTILIZED FOR A LONGITUDINAL DISTANCE OF 100' FEET EITHER SIDE OF THE RESIDENCE

1. THE SEWER LINE TECHNIQUE TYPICALLY USED WHEN THE PIPELINE IS TO BE INSTALLED IN VERY CLOSE PROXIMITY TO AN EXISTING STRUCTURE OR WHEN AN OPEN DITCH WOULD ADVERSELY IMPACT A COMMERCIAL/INDUSTRIAL ESTABLISHMENT. THE TECHNIQUE INVOLVES INSTALLING PIPE ONE JOINT AT A TIME WHEREBY THE WELDING, X-RAY AND COATING ACTIVITIES ARE ALL PERFORMED IN THE OPEN TRENCH. AT THE END OF EACH DAY THE NEWLY INSTALLED PIPE IS BACKFILLED OR THE OPEN TRENCH IS COVERED WITH STEEL PLATES OR TIMBER MATS.
2. THE DRAG SECTION CONSTRUCTION TECHNIQUE INVOLVES THE TRENCHING, INSTALLATION AND BACKFILL OF A PREFABRICATED LENGTH OF PIPE CONTAINING SEVERAL SEGMENTS ALL IN ONE DAY. AT THE END OF EACH DAY THE NEWLY INSTALLED PIPE IS BACKFILLED AND/OR COVERED WITH STEEL PLATES OR TIMBER MATS.

LEGEND

- PROPOSED PIPELINE
- EXISTING PIPELINE
- CONSTRUCTION WORK AREA
- PERMANENT EASEMENT
- UTILITY TOWER
- EDGE OF PAVEMENT

NOTES:

1. (CWA) REFERS TO THE CONSTRUCTION WORK AREA
2. SAFETY FENCE WILL BE INSTALLED AT THE EDGE OF THE CONSTRUCTION RIGHT-OF-WAY FOR A DISTANCE OF 100' FEET ON EITHER SIDE OF THE RESIDENCE.

GRAPHIC SCALE

0 50' 100'

REDUCED SCALE

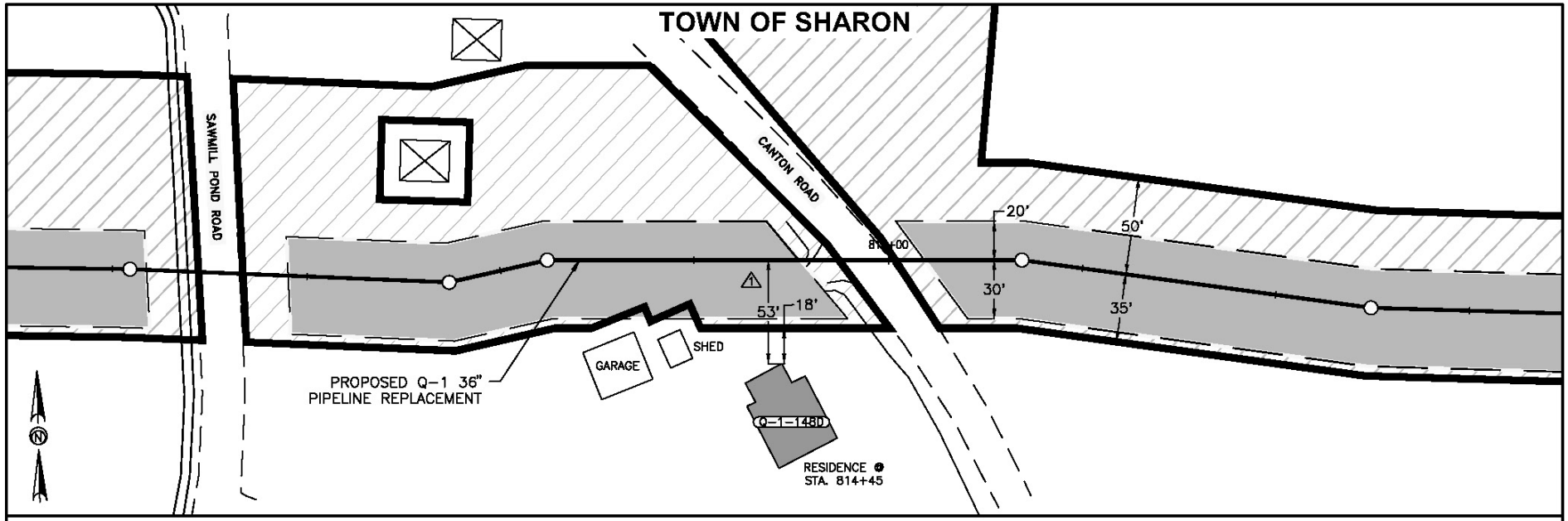
PRELIMINARY 10/9/2008

Appendix J

HubLine/East to West Project

I-10 Extension

(Sheet 12 of 12)



DESCRIPTION:

1. AT SURVEY STATION 814+45 THERE IS A RESIDENCE 18' RIGHT OF THE CWA AND 53' RIGHT OF THE CENTERLINE OF THE PROPOSED Q-1 36" PIPELINE REPLACEMENT.

LEGEND

- PROPOSED PIPELINE
- EXISTING PIPELINE
- CONSTRUCTION WORK AREA
- PERMANENT EASEMENT
- UTILITY TOWER
- EDGE OF PAVEMENT

NOTES:

1. (CWA) REFERS TO THE CONSTRUCTION WORK AREA
2. SAFETY FENCE WILL BE INSTALLED AT THE EDGE OF THE CONSTRUCTION RIGHT-OF-WAY FOR A DISTANCE OF 100' FEET ON EITHER SIDE OF THE RESIDENCE.

CONSTRUCTION TECHNIQUES:

ONE OF THE FOLLOWING TECHNIQUES SHALL BE UTILIZED FOR A LONGITUDINAL DISTANCE OF 100' FEET EITHER SIDE OF THE RESIDENCE

1. THE SEWER LINE TECHNIQUE TYPICALLY USED WHEN THE PIPELINE IS TO BE INSTALLED IN VERY CLOSE PROXIMITY TO AN EXISTING STRUCTURE OR WHEN AN OPEN DITCH WOULD ADVERSELY IMPACT A COMMERCIAL/INDUSTRIAL ESTABLISHMENT. THE TECHNIQUE INVOLVES INSTALLING PIPE ONE JOINT AT A TIME WHEREBY THE WELDING, X-RAY AND COATING ACTIVITIES ARE ALL PERFORMED IN THE OPEN TRENCH. AT THE END OF EACH DAY THE NEWLY INSTALLED PIPE IS BACKFILLED OR THE OPEN TRENCH IS COVERED WITH STEEL PLATES OR TIMBER MATS.
2. THE DRAG SECTION CONSTRUCTION TECHNIQUE INVOLVES THE TRENCHING, INSTALLATION AND BACKFILL OF A PREFABRICATED LENGTH OF PIPE CONTAINING SEVERAL SEGMENTS ALL IN ONE DAY. AT THE END OF EACH DAY THE NEWLY INSTALLED PIPE IS BACKFILLED AND/OR COVERED WITH STEEL PLATES OR TIMBER MATS.

GRAPHIC SCALE

0 50' 100'

REDUCED SCALE

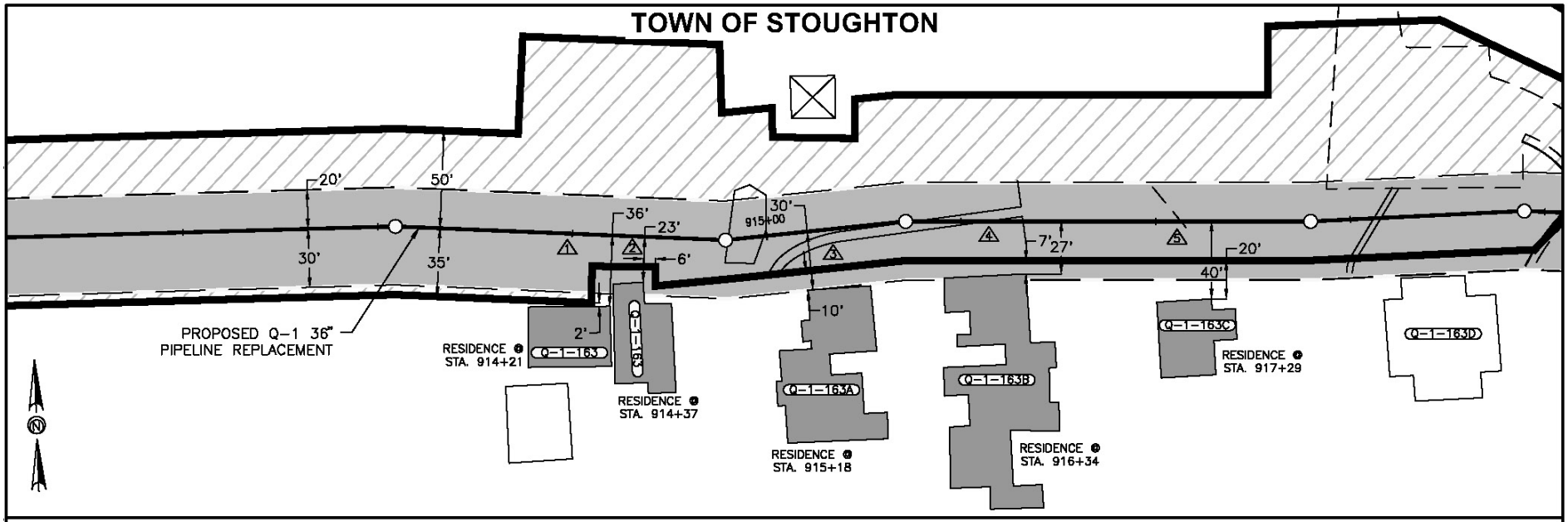
PRELIMINARY 10/9/2008

Appendix J

HubLine/East to West Project

Q-1 System Replacement

(Sheet 1 of 7)



LEGEND

- PROPOSED PIPELINE
- EXISTING PIPELINE
- CONSTRUCTION WORK AREA
- PERMANENT EASEMENT
- UTILITY TOWER
- EDGE OF PAVEMENT

DESCRIPTION:

1. AT SURVEY STATION 914+21 THERE IS A RESIDENCE 2' RIGHT OF THE CWA AND 36' RIGHT OF THE CENTERLINE OF THE PROPOSED Q-1 36" PIPELINE REPLACEMENT.
2. AT SURVEY STATION 914+37 THERE IS A RESIDENCE 6' RIGHT OF THE CWA AND 23' RIGHT OF THE CENTERLINE OF THE PROPOSED Q-1 36" PIPELINE REPLACEMENT.
3. AT SURVEY STATION 915+18 THERE IS A RESIDENCE 10' RIGHT OF THE CWA AND 30' RIGHT OF THE CENTERLINE OF THE PROPOSED Q-1 36" PIPELINE REPLACEMENT.
4. AT SURVEY STATION 916+34 THERE IS A RESIDENCE 7' RIGHT OF THE CWA AND 27' RIGHT OF THE CENTERLINE OF THE PROPOSED Q-1 36" PIPELINE REPLACEMENT.
5. AT SURVEY STATION 917+29 THERE IS A RESIDENCE 20' RIGHT OF THE CWA AND 40' RIGHT OF THE CENTERLINE OF THE PROPOSED Q-1 36" PIPELINE REPLACEMENT.

NOTES:

1. (CWA) REFERS TO THE CONSTRUCTION WORK AREA
2. SAFETY FENCE WILL BE INSTALLED AT THE EDGE OF THE CONSTRUCTION RIGHT-OF-WAY FOR A DISTANCE OF 100' FEET ON EITHER SIDE OF THE RESIDENCE.

CONSTRUCTION TECHNIQUES:

ONE OF THE FOLLOWING TECHNIQUES SHALL BE UTILIZED FOR A LONGITUDINAL DISTANCE OF 100' FEET EITHER SIDE OF THE RESIDENCE

1. THE SEWER LINE TECHNIQUE TYPICALLY USED WHEN THE PIPELINE IS TO BE INSTALLED IN VERY CLOSE PROXIMITY TO AN EXISTING STRUCTURE OR WHEN AN OPEN DITCH WOULD ADVERSELY IMPACT A COMMERCIAL/INDUSTRIAL ESTABLISHMENT. THE TECHNIQUE INVOLVES INSTALLING PIPE ONE JOINT AT A TIME WHEREBY THE WELDING, X-RAY AND COATING ACTIVITIES ARE ALL PERFORMED IN THE OPEN TRENCH. AT THE END OF EACH DAY THE NEWLY INSTALLED PIPE IS BACKFILLED OR THE OPEN TRENCH IS COVERED WITH STEEL PLATES OR TIMBER MATS.
2. THE DRAG SECTION CONSTRUCTION TECHNIQUE INVOLVES THE TRENCHING, INSTALLATION AND BACKFILL OF A PREFABRICATED LENGTH OF PIPE CONTAINING SEVERAL SEGMENTS ALL IN ONE DAY. AT THE END OF EACH DAY THE NEWLY INSTALLED PIPE IS BACKFILLED AND/OR COVERED WITH STEEL PLATES OR TIMBER MATS.

GRAPHIC SCALE

0 50' 100'

REDUCED SCALE

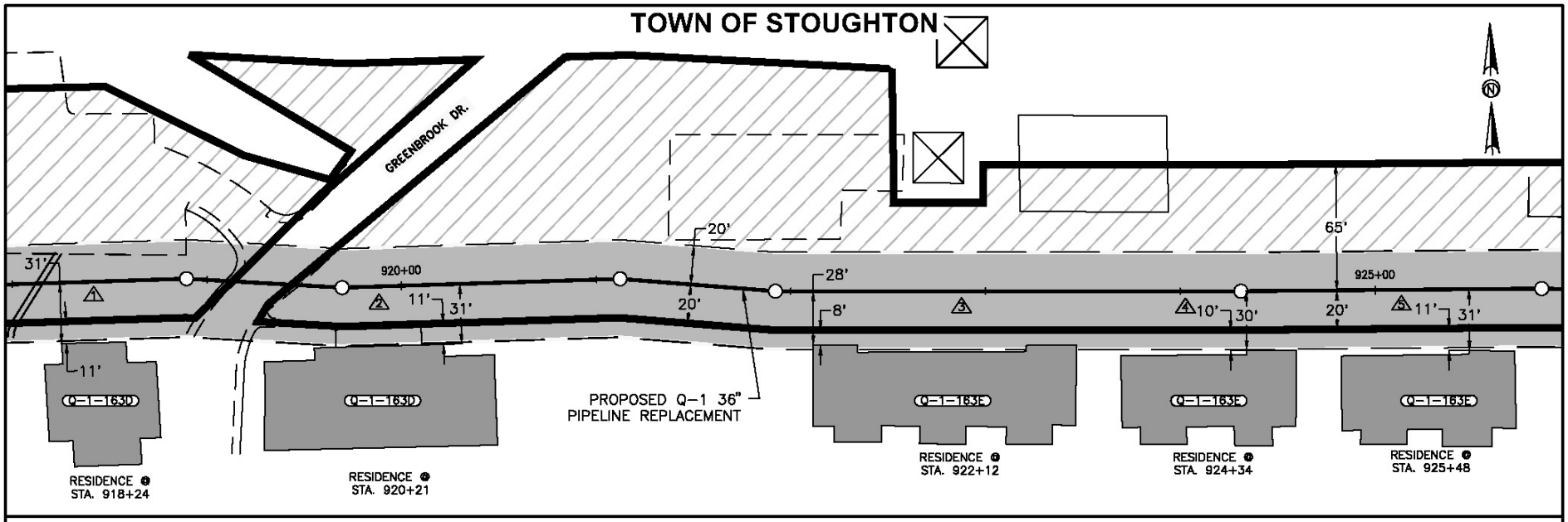
PRELIMINARY 10/9/2008

Appendix J

HubLine/East to West Project

Q-1 System Replacement

(Sheet 2 of 7)



J-15

LEGEND

- PROPOSED PIPELINE
- EXISTING PIPELINE
- CONSTRUCTION WORK AREA
- PERMANENT EASEMENT
- UTILITY TOWER
- EDGE OF PAVEMENT

DESCRIPTION:

1. AT SURVEY STATION 918+24 THERE IS A RESIDENCE 11' RIGHT OF THE CWA AND 31' RIGHT OF THE CENTERLINE OF THE PROPOSED Q-1 36" PIPELINE REPLACEMENT.
2. AT SURVEY STATION 920+21 THERE IS A RESIDENCE 11' RIGHT OF THE CWA AND 31' RIGHT OF THE CENTERLINE OF THE PROPOSED Q-1 36" PIPELINE REPLACEMENT.
3. AT SURVEY STATION 922+12 THERE IS A RESIDENCE 8' RIGHT OF THE CWA AND 28' RIGHT OF THE CENTERLINE OF THE PROPOSED Q-1 36" PIPELINE REPLACEMENT.
4. AT SURVEY STATION 924+34 THERE IS A RESIDENCE 10' RIGHT OF THE CWA AND 30' RIGHT OF THE CENTERLINE OF THE PROPOSED Q-1 36" PIPELINE REPLACEMENT.
5. AT SURVEY STATION 925+48 THERE IS A RESIDENCE 11' RIGHT OF THE CWA AND 31' RIGHT OF THE CENTERLINE OF THE PROPOSED Q-1 36" PIPELINE REPLACEMENT.

NOTES:

1. (CWA) REFERS TO THE CONSTRUCTION WORK AREA
2. SAFETY FENCE WILL BE INSTALLED AT THE EDGE OF THE CONSTRUCTION RIGHT-OF-WAY FOR A DISTANCE OF 100' FEET ON EITHER SIDE OF THE RESIDENCE.

CONSTRUCTION TECHNIQUES:

ONE OF THE FOLLOWING TECHNIQUES SHALL BE UTILIZED FOR A LONGITUDINAL DISTANCE OF 100' FEET EITHER SIDE OF THE RESIDENCE

1. THE SEWER LINE TECHNIQUE TYPICALLY USED WHEN THE PIPELINE IS TO BE INSTALLED IN VERY CLOSE PROXIMITY TO AN EXISTING STRUCTURE OR WHEN AN OPEN DITCH WOULD ADVERSELY IMPACT A COMMERCIAL/INDUSTRIAL ESTABLISHMENT. THE TECHNIQUE INVOLVES INSTALLING PIPE ONE JOINT AT A TIME WHEREBY THE WELDING, X-RAY AND COATING ACTIVITIES ARE ALL PERFORMED IN THE OPEN TRENCH. AT THE END OF EACH DAY THE NEWLY INSTALLED PIPE IS BACKFILLED OR THE OPEN TRENCH IS COVERED WITH STEEL PLATES OR TIMBER MATS.
2. THE DRAG SECTION CONSTRUCTION TECHNIQUE INVOLVES THE TRENCHING, INSTALLATION AND BACKFILL OF A PREFABRICATED LENGTH OF PIPE CONTAINING SEVERAL SEGMENTS ALL IN ONE DAY. AT THE END OF EACH DAY THE NEWLY INSTALLED PIPE IS BACKFILLED AND/OR COVERED WITH STEEL PLATES OR TIMBER MATS.

GRAPHIC SCALE

0 50' 100'

REDUCED SCALE

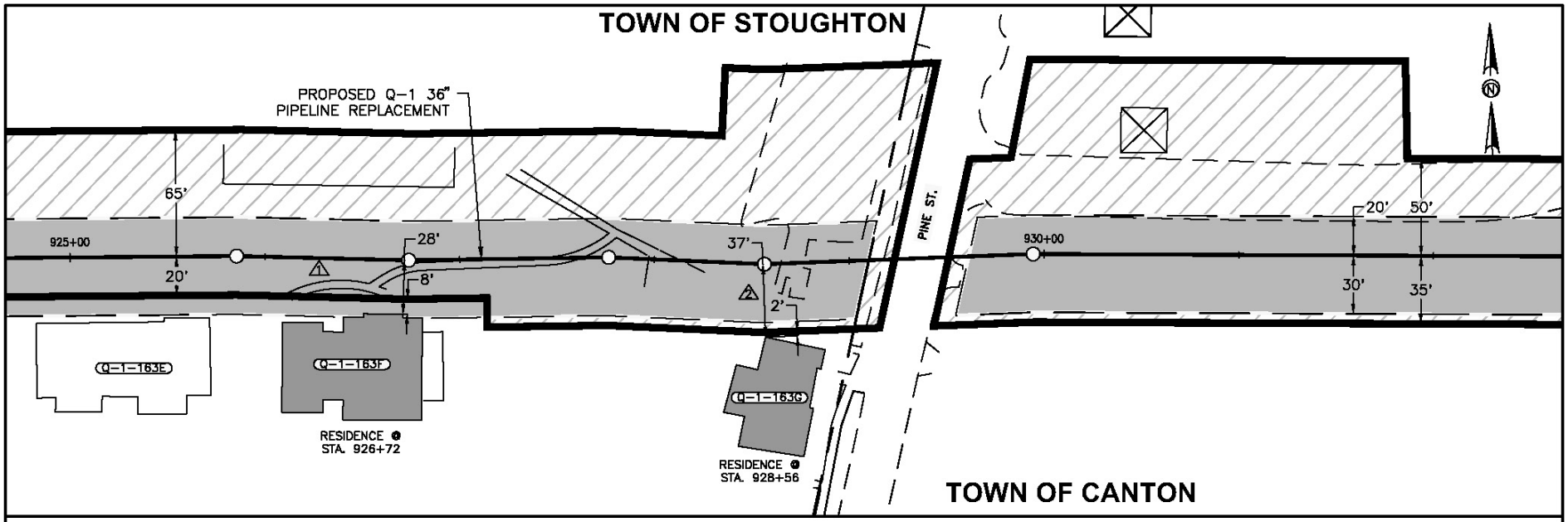
PRELIMINARY 10/9/2008

Appendix J

HubLine/East to West Project

Q-1 System Replacement

(Sheet 3 of 7)



DESCRIPTION:

1. AT SURVEY STATION 926+72 THERE IS A RESIDENCE 8' RIGHT OF THE CWA AND 28' RIGHT OF THE CENTERLINE OF THE PROPOSED Q-1 36" PIPELINE REPLACEMENT.

2. AT SURVEY STATION 928+56 THERE IS A RESIDENCE 2' RIGHT OF THE CWA AND 37' RIGHT OF THE CENTERLINE OF THE PROPOSED Q-1 36" PIPELINE REPLACEMENT.

LEGEND

- PROPOSED PIPELINE
- EXISTING PIPELINE
- CONSTRUCTION WORK AREA
- PERMANENT EASEMENT
- UTILITY TOWER
- EDGE OF PAVEMENT

NOTES:

1. (CWA) REFERS TO THE CONSTRUCTION WORK AREA
2. SAFETY FENCE WILL BE INSTALLED AT THE EDGE OF THE CONSTRUCTION RIGHT-OF-WAY FOR A DISTANCE OF 100' FEET ON EITHER SIDE OF THE RESIDENCE.

CONSTRUCTION TECHNIQUES:

ONE OF THE FOLLOWING TECHNIQUES SHALL BE UTILIZED FOR A LONGITUDINAL DISTANCE OF 100' FEET EITHER SIDE OF THE RESIDENCE

1. THE SEWER LINE TECHNIQUE TYPICALLY USED WHEN THE PIPELINE IS TO BE INSTALLED IN VERY CLOSE PROXIMITY TO AN EXISTING STRUCTURE OR WHEN AN OPEN DITCH WOULD ADVERSELY IMPACT A COMMERCIAL/INDUSTRIAL ESTABLISHMENT. THE TECHNIQUE INVOLVES INSTALLING PIPE ONE JOINT AT A TIME WHEREBY THE WELDING, X-RAY AND COATING ACTIVITIES ARE ALL PERFORMED IN THE OPEN TRENCH. AT THE END OF EACH DAY THE NEWLY INSTALLED PIPE IS BACKFILLED OR THE OPEN TRENCH IS COVERED WITH STEEL PLATES OR TIMBER MATS.
2. THE DRAG SECTION CONSTRUCTION TECHNIQUE INVOLVES THE TRENCHING, INSTALLATION AND BACKFILL OF A PREFABRICATED LENGTH OF PIPE CONTAINING SEVERAL SEGMENTS ALL IN ONE DAY. AT THE END OF EACH DAY THE NEWLY INSTALLED PIPE IS BACKFILLED AND/OR COVERED WITH STEEL PLATES OR TIMBER MATS.

GRAPHIC SCALE

0 50' 100'

REDUCED SCALE

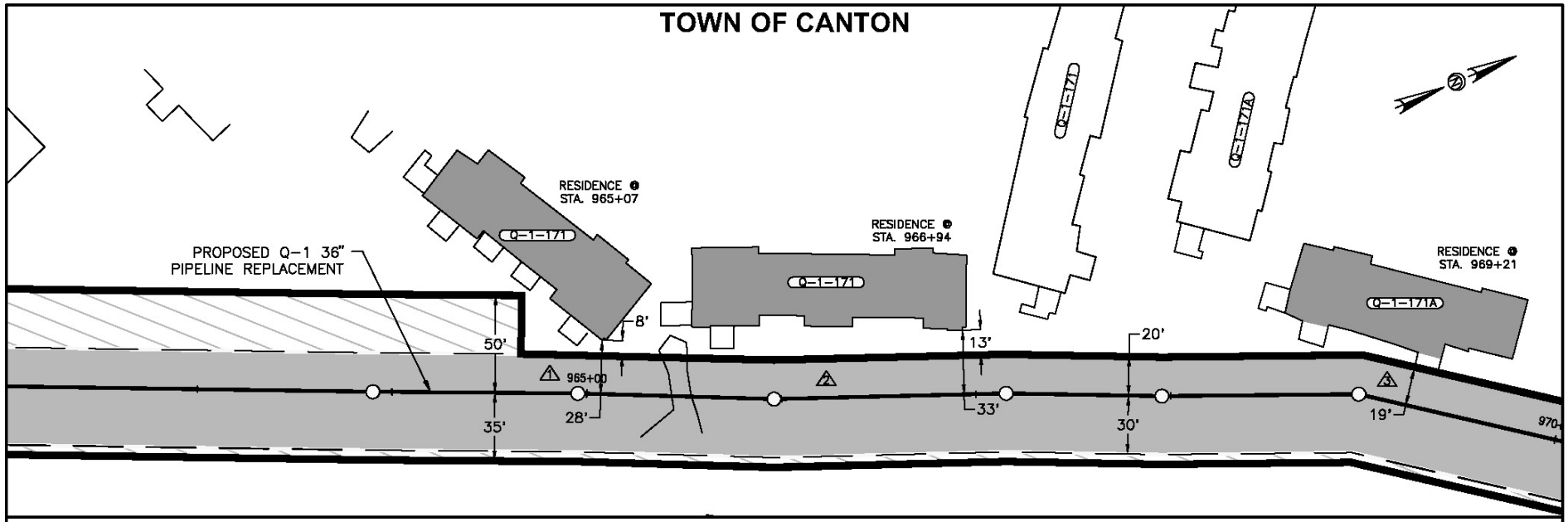
PRELIMINARY 10/9/2008

Appendix J

HubLine/East to West Project

Q-1 System Replacement

(Sheet 4 of 7)



DESCRIPTION:

1. AT SURVEY STATION 965+07 THERE IS A RESIDENCE 8' LEFT OF THE CWA AND 28' LEFT OF THE CENTERLINE OF THE PROPOSED Q-1 36" PIPELINE REPLACEMENT.

2. AT SURVEY STATION 966+94 THERE IS A RESIDENCE 13' LEFT OF THE CWA AND 33' LEFT OF THE CENTERLINE OF THE PROPOSED Q-1 36" PIPELINE REPLACEMENT.

3. AT SURVEY STATION 969+21 THERE IS A RESIDENCE INSIDE OF THE CWA AND 19' LEFT OF THE CENTERLINE OF THE PROPOSED Q-1 36" PIPELINE REPLACEMENT.

LEGEND

- PROPOSED PIPELINE
- EXISTING PIPELINE
- CONSTRUCTION WORK AREA
- PERMANENT EASEMENT
- UTILITY TOWER
- EDGE OF PAVEMENT

NOTES:

1. (CWA) REFERS TO THE CONSTRUCTION WORK AREA
2. SAFETY FENCE WILL BE INSTALLED AT THE EDGE OF THE CONSTRUCTION RIGHT-OF-WAY FOR A DISTANCE OF 100' FEET ON EITHER SIDE OF THE RESIDENCE.

CONSTRUCTION TECHNIQUES:

ONE OF THE FOLLOWING TECHNIQUES SHALL BE UTILIZED FOR A LONGITUDINAL DISTANCE OF 100' FEET EITHER SIDE OF THE RESIDENCE

1. THE SEWER LINE TECHNIQUE TYPICALLY USED WHEN THE PIPELINE IS TO BE INSTALLED IN VERY CLOSE PROXIMITY TO AN EXISTING STRUCTURE OR WHEN AN OPEN DITCH WOULD ADVERSELY IMPACT A COMMERCIAL/INDUSTRIAL ESTABLISHMENT. THE TECHNIQUE INVOLVES INSTALLING PIPE ONE JOINT AT A TIME WHEREBY THE WELDING, X-RAY AND COATING ACTIVITIES ARE ALL PERFORMED IN THE OPEN TRENCH. AT THE END OF EACH DAY THE NEWLY INSTALLED PIPE IS BACKFILLED OR THE OPEN TRENCH IS COVERED WITH STEEL PLATES OR TIMBER MATS.
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GRAPHIC SCALE

0 50' 100'

REDUCED SCALE

PRELIMINARY 10/9/2008

Appendix J

HubLine/East to West Project

Q-1 System Replacement

(Sheet 5 of 7)