

**CITY OF LOWELL**

**PETITION**

**CITY COUNCIL  
Conduit Location**

TC System Admin

*Request for underground  
conduit installation  
University Ave. @ Pawtucket  
St.*

In City Council

Catella 12, 2020

Read and hearing ordered for 7PM on

Catella 12, 2020

**Read, Hearing Held,  
Referred to Wire In-  
spector, Development  
Services**

City Clerk

## Review of Utility Company Request for New Conduit/Pole Location

Applicant Information

Project Address

Utility    Gas    Electric    Telephone    839 Merrimack St into Pawtucket St

(circle one)    Other    Lowell, MA 01852

Reason    Create connection between existing  
aerial and underground systems.

Date Submitted    9/11/2020

Review done by    JC

Sidewalk Material

Concrete    Asphalt    Other

Note: material to be replaced in kind (Concrete in full panels)

Sidewalk Vaults present    Y    (N)

Work on Street under a Paving Moratorium    Y    (N)

Is this location within the Flood Plain?    Y    (N)

Are ADA requirements being met?    (Y)    N

Comments

Outcome of Review

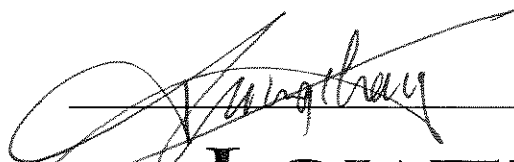
Approved

Approved With  
Comments

Denied

X

Ting Chang, P.E.  
City Engineer



SEP 29 20 07:00  
SIENA  
ENGINEERS / MS

SEP 29 20 07:00  
SIENA  
ENGINEERS

September 8, 2020

Mr. Michael Geary  
City Clerk  
Lowell City Hall  
375 Merrimack Street  
Lowell, MA 01852

**RE: TC Systems, Inc.  
Petition for Underground Conduit Installation – University Ave at Pawtucket Street**

Dear Mr. Geary,

On behalf of TC Systems, Inc., an affiliate of AT&T, Siena Engineering Group is petitioning for approval to install two telecommunications conduits at the intersection of University Ave and Pawtucket Street in Lowell. Our proposal is for two (2) four-inch PVC conduit to be installed between an existing Verizon manhole and utility pole #16; a total distance of approximately 96 ft. This will create a connection between the existing underground and aerial systems by means of a riser attachment. The proposed cable will be able to service cell sites and multiple potential customers in the area, which would not be possible without creating this connection.

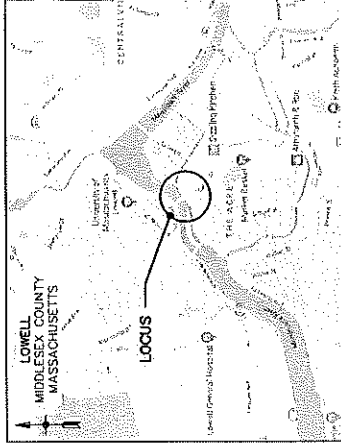
Please find attached ten copies of fully developed engineering drawings, detailing our proposed installations and standard restoration details. Should you require additional information or wish to discuss the project more thoroughly, please contact me at (781) 221-8400 x7005 or [adam.heller@sienaengineeringgroup.com](mailto:adam.heller@sienaengineeringgroup.com).

Sincerely,

**SIENA ENGINEERING GROUP, INC.**

*Adam Heller*

Adam Heller  
Permit Engineer



VICINITY MAP  
NOT TO SCALE

**TC SYSTEMS, INC**  
An Affiliate of  **AT&T**

# PROPOSED CONDUIT PLACEMENT UNIVERSITY AVENUE AT PAWTUCKET STREET LOWELL, MASSACHUSETTS

CONDUIT CONSTRUCTION PLANS  
SEPTEMBER 8, 2020  
PERMIT ISSUE

**PRELIMINARY**  
NOT FOR CONSTRUCTION



**LIST OF DRAWINGS**

- PT001 COVER
- PT002 LIST OF DRAWINGS
- DN001 LEGEND & REFERENCES
- DT001 PROPOSED CONDUIT PLACEMENT PLAN
- DT002 TYPICAL TRENCH & SURFACE RESTORATION DETAILS

**PRELIMINARY**  
**NOT FOR CONSTRUCTION**

**NOTES:**  
1. PROVIDE ALL NECESSARY PERMITS AND APPROVALS PRIOR TO CONSTRUCTION.  
2. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF ALL APPLICABLE CODES AND REGULATIONS.  
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS AND CONDITIONS SHOWN ON THESE DRAWINGS.  
4. ALL DIMENSIONS SHALL BE IN UNITS AS SHOWN ON THE DRAWINGS.  
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS PRIOR TO CONSTRUCTION.  
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS AND CONDITIONS SHOWN ON THESE DRAWINGS.  
7. ALL DIMENSIONS SHALL BE IN UNITS AS SHOWN ON THE DRAWINGS.



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PREPARED FOR RECORD

APPROVED FOR: **TC SYSTEMS, INC**  
OWNER: **TC SYSTEMS, INC**  
PROJECT: **UNIVERSITY AVENUE AT PAWTUCKET STREET**



DESIGNED BY: **J. S. CORCORAN**  
CHECKED BY: **D. DIONISIO**  
DATE: **09/09/2020**

**SIENA PROPRIETARY**  
**RESTRICTED**

PROJECT NUMBER:  
OWNERSHIP:  
LINE CODE:  
CABLE CLL:

SCALE:  
UNIVERSITY AVENUE AT  
PAWTUCKET STREET  
LOWELL, MA

LIST OF DRAWINGS

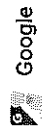
PT001

# Google Maps 841 Merrimack St



Image capture: Oct 2019 © 2020 Google

Lowell, Massachusetts



Street View

### PLANIMETRIC SYMBOL LEGEND

UP →	UTILITY POLE	DECIDUOUS TREE
HYD	2-NOZZLE FIRE HYDRANT	STREET LIGHT
W	WATER GATE	IRRIGATION HANDHOLE
SMH	SEWER MANHOLE	ELECTRIC HANDHOLE
DMH	DRAIN MANHOLE	MASS HIGHWAY HANDHOLE
CB	CATCH BASIN	STREET LIGHT HANDHOLE
TMH	TELEPHONE MANHOLE	PARKING METER
VZ MH	VERIZON MANHOLE	FIRE ALARM
⊙	STONE BOUND W/ DRILL HOLE	ELECTRIC OUTLET
⊥	SIGN	STORMWATER TREATMENT BASIN
■	TCB CONCRETE MANHOLE	TRAFFIC SIGNAL CONTROL CABINET
■	TCB CONCRETE HANDHOLE	

### LINETYPE LEGEND

—	OVERHEAD WIRES
---	BURIED ELECTRIC LINE
---	BURIED TELEPHONE LINE
---	BURIED CABLE TV LINE
---	SANITARY SEWER LINE
---	STORM DRAIN LINE
---	WATER LINE
---	GAS LINE
---	PROPERTY LINE
---	RIGHT-OF-WAY LINE
---	PROPOSED BURIED CONDUIT

### REFERENCES & NOTES

1. ELECTRIC UTILITY INFORMATION PER RECORD PLANS PROVIDED BY NATIONAL GRID.
2. TELECOM UTILITY INFORMATION PER RECORD PLANS PROVIDED BY VERIZON, AT&T, COMCAST AND TCG.
3. GAS UTILITY INFORMATION PER RECORD PLANS PROVIDED BY EVERSOURCE.
4. WATER, SEWER & DRAIN UTILITY INFORMATION PER RECORD PLANS PROVIDED BY CITY OF LOWELL.

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**NOTES:**

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2. ALL UTILITY LINES SHALL BE DEEPENED TO THE BOTTOM OF THE EXISTING UTILITY LINES UNLESS OTHERWISE INDICATED BY THE RECORD PLANS PROVIDED BY THE UTILITY OWNERS.
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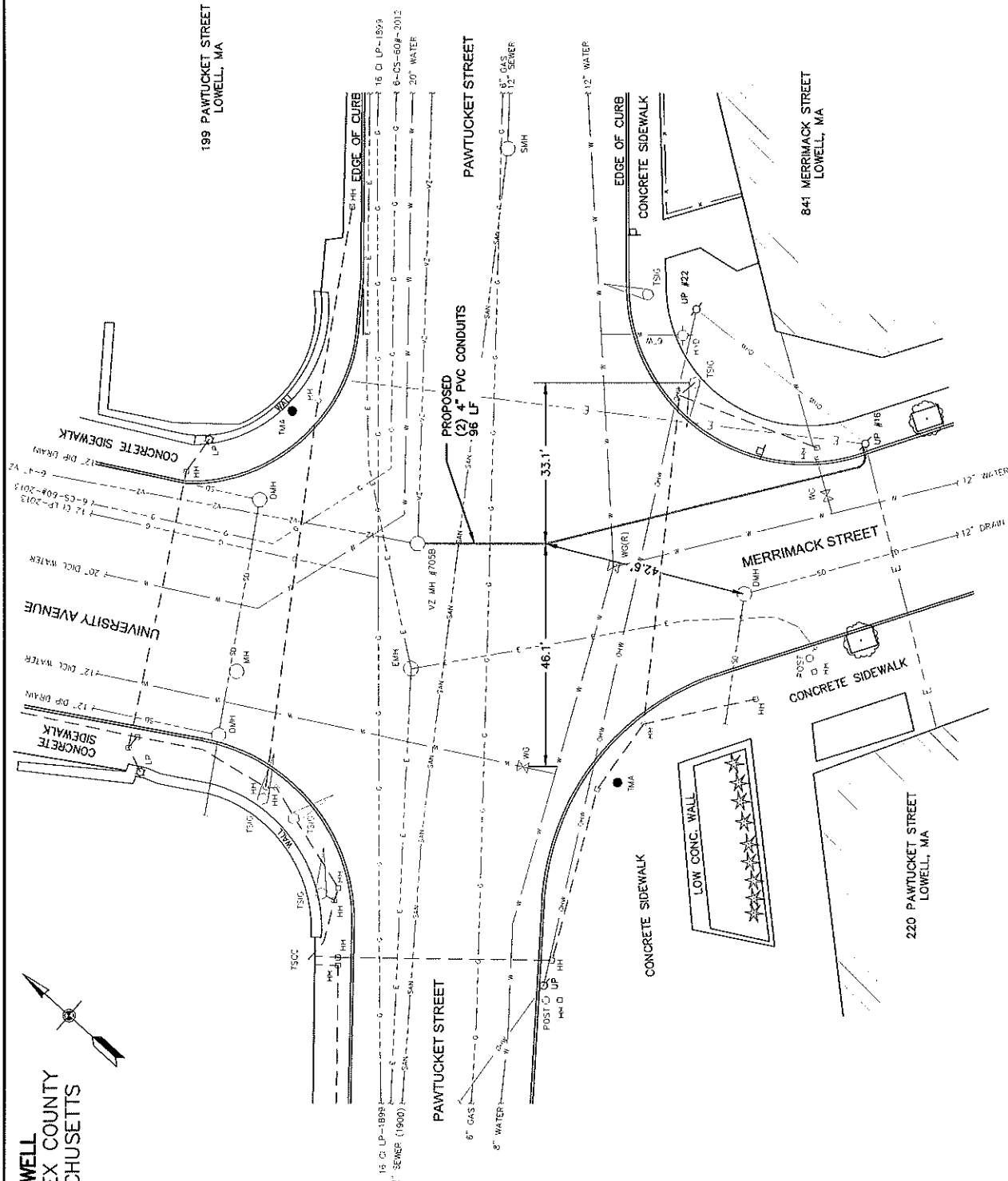
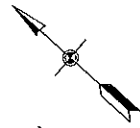
**SiENA**  
 ENGINEERING GROUP, INC.  
 16-12200 University Ave at Pawtucket W5.dwg  
 PROJECT NUMBER: 16-12200 University Ave at Pawtucket W5.dwg  
 SHEET NUMBER: 1 OF 1


UNIVERSITY AVENUE AT  
 PAWTUCKET STREET  
 LOWELL, MA

LEGEND & REFERENCES


PT002

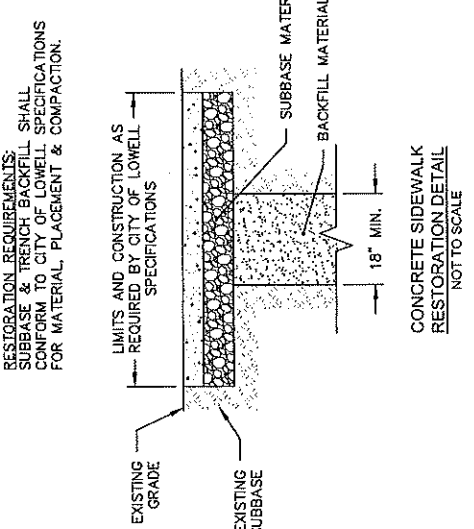
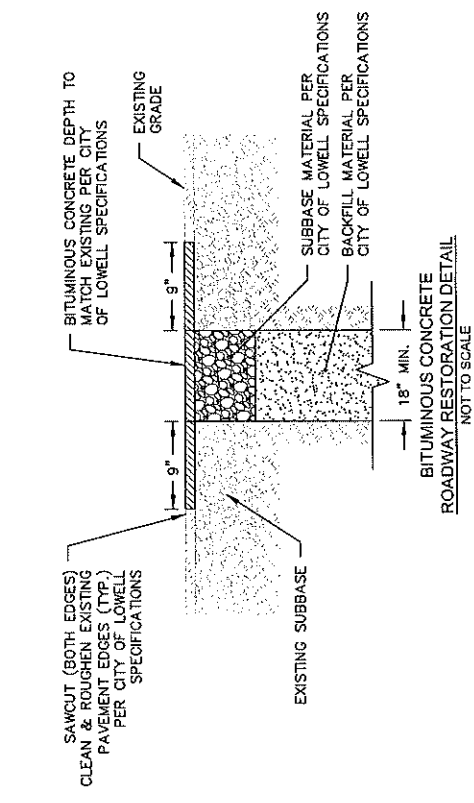
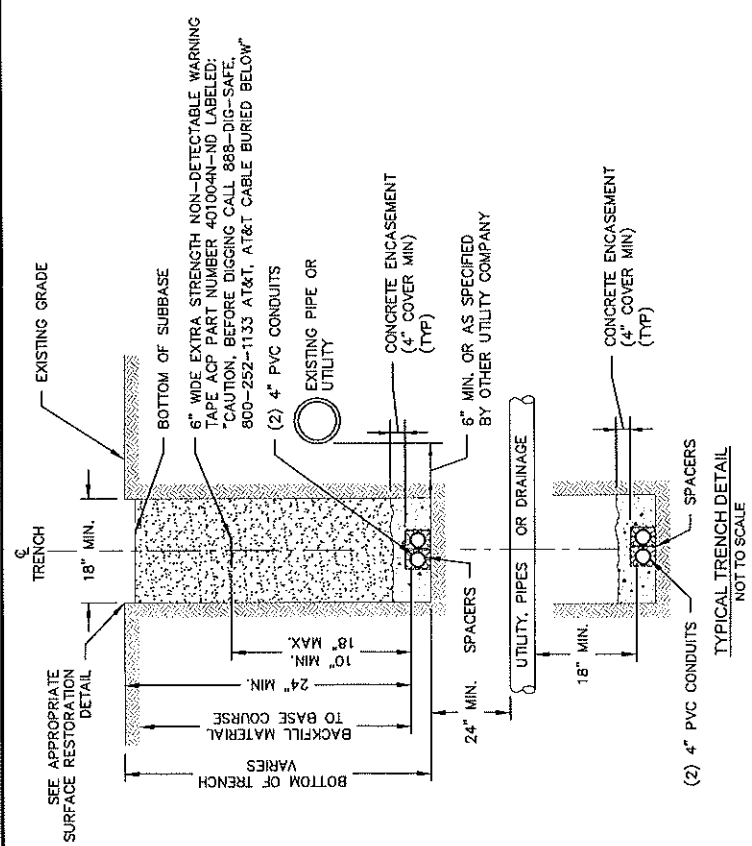
**LOWELL  
MIDDLESEX COUNTY  
MASSACHUSETTS**



<b>ISSUE DATE:</b> 1 SEPTEMBER 9, 2020 (REVISED)	<b>DATE:</b> J02
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<p><b>NOTE:</b></p> <p>1. THESE PLANS SHALL BE USED IN ACCORDANCE WITH THE SPECIFICATIONS AND CONDITIONS OF CONTRACT AND THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND MAINTENANCE, LATEST EDITION, AS APPLICABLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AGENCIES OF THE STATE OF MASSACHUSETTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AGENCIES OF THE STATE OF MASSACHUSETTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AGENCIES OF THE STATE OF MASSACHUSETTS.</p>	
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<p><b>PREPARED FOR RECORD</b></p> <p>APPROVED FOR: _____ DATE: _____</p> <p>CHECKED BY: _____ DATE: _____</p> <p>TC SYSTEMS, INC An Affiliate of AT&amp;T</p> <p><b>SIENA</b> An Affiliate of AT&amp;T</p> <p>DESIGNED BY: _____ DATE: _____</p> <p>DRAWN BY: _____ DATE: _____</p> <p>APPROVED BY: _____ DATE: _____</p> <p><b>PROPRIETARY</b> NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF TC SYSTEMS, INC.</p> <p>PROJECT NUMBER: _____</p> <p>OWNER: _____</p> <p>LINE CODE: _____</p> <p>DATE CUI: _____</p> <p>SCALE: 1" = 20'</p>	
<p>UNIVERSITY AVENUE AT PAWTUCKET STREET LOWELL, MA</p>	
<p>PROPOSED CONDUIT PLACEMENT PLAN</p>	
<p>DN001</p>	



ISSUE DATE:	DATE:
1. APPROVED FOR CONSTRUCTION:	DATE:
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<p><b>NOTES:</b></p> <p>1. PROTECT ALL UTILITIES, PIPES AND DRAINAGE. VERIFY LOCATION AND DEPTH OF ALL UTILITIES, PIPES AND DRAINAGE BEFORE DIGGING. VERIFY LOCATION AND DEPTH OF ALL UTILITIES, PIPES AND DRAINAGE BEFORE DIGGING. VERIFY LOCATION AND DEPTH OF ALL UTILITIES, PIPES AND DRAINAGE BEFORE DIGGING.</p>	
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APPROVED FOR RECORD:	DATE:
APPROVED FOR CONSTRUCTION:	DATE:
<p>TC SYSTEMS, INC. An Affiliate of AT&amp;T</p> <p><b>SIENA</b> PROFESSIONAL ENGINEERING</p> <p>DRAWN BY: J. CONNOR CHECKED BY: B. BOGART DESIGNED BY: B. BOGART PROJECT NUMBER: 2020-001 DATE: 09/09/2020 SCALE: AS NOTED</p> <p>UNIVERSITY AVENUE AT PAWTUCKET STREET LOWELL, MA</p> <p>TYPICAL TRENCH AND SURFACE RESTORATION DETAILS</p> <p>DT001</p>	



RESTORATION REQUIREMENTS: SUBBASE & TRENCH BACKFILL SHALL CONFORM TO CITY OF LOWELL SPECIFICATIONS FOR MATERIAL, PLACEMENT & COMPACTION.

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APPROVED FOR: [Signature]  
 DATE: [Date]

TC SYSTEMS, INC  
 An Affiliate of AT&T

**SIENA**  
 ENGINEERING GROUP, INC.

DESIGNED BY: J. CONNOR  
 CHECKED BY: B. PROKAL  
 DATE: 9/20/20

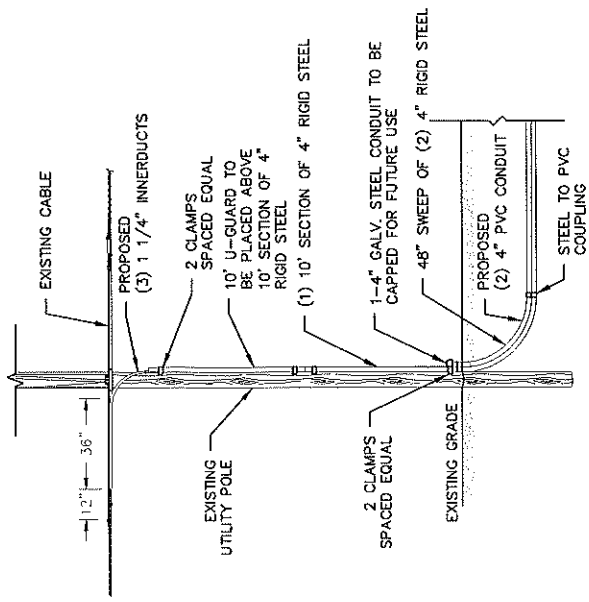
PROJECT NUMBER: [Blank]  
 SHEET NUMBER: [Blank]

OWNER: [Blank]  
 LINE CODE: [Blank]  
 CABLE CLL: [Blank]

SCALE: AS NOTED

UNIVERSITY AVENUE AT  
 PAWTUCKET STREET  
 LOWELL, MA

RISER POLE DETAILS  
 DT002



**PROPOSED RISER DETAIL**  
 NOT TO SCALE