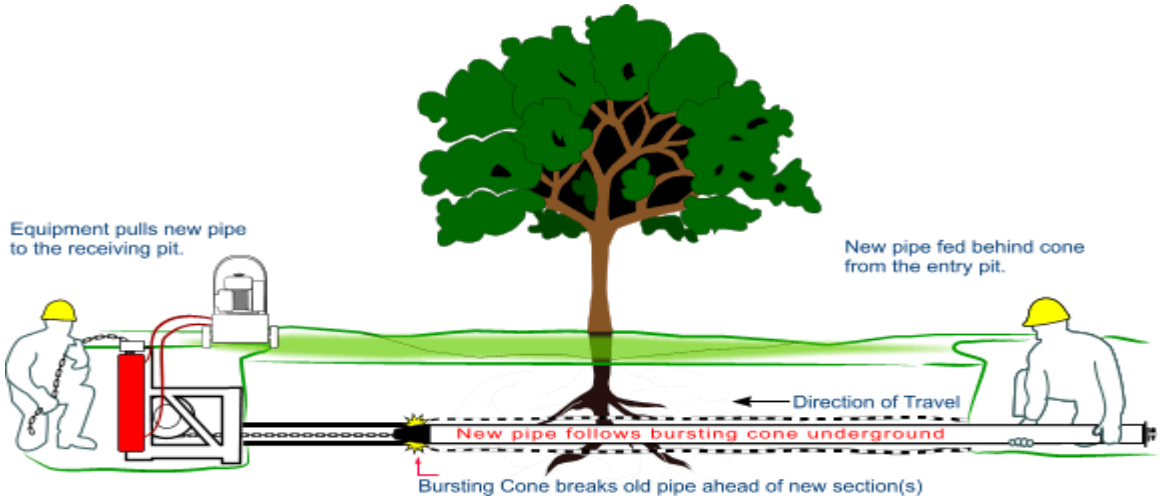
City of Bellingham
Current Construction Project

2007 Sanitary Sewer Rehabilitation



The majority of our replacements are using technical methods such as Cured in Place Pipe (CIPP) technology:
Link to: http://www.insituform.com/content/190/how_insituform_cipp_is_installed.aspx
(for more information)

Project Bid No: 115B-2007

Project Number: EU-0134

Project Schedule
- Awarded 1/14/08
- Anticipated completion: April 30, 2008

Estimated Project Cost

- $2,149,934.06

Project Engineer

Mark Handzlik, P.E.
Phone: (360) 676-6961
Email: mhandzlik@cob.org

Contractor
Ram Construction General Contractors, Inc.

Project Description

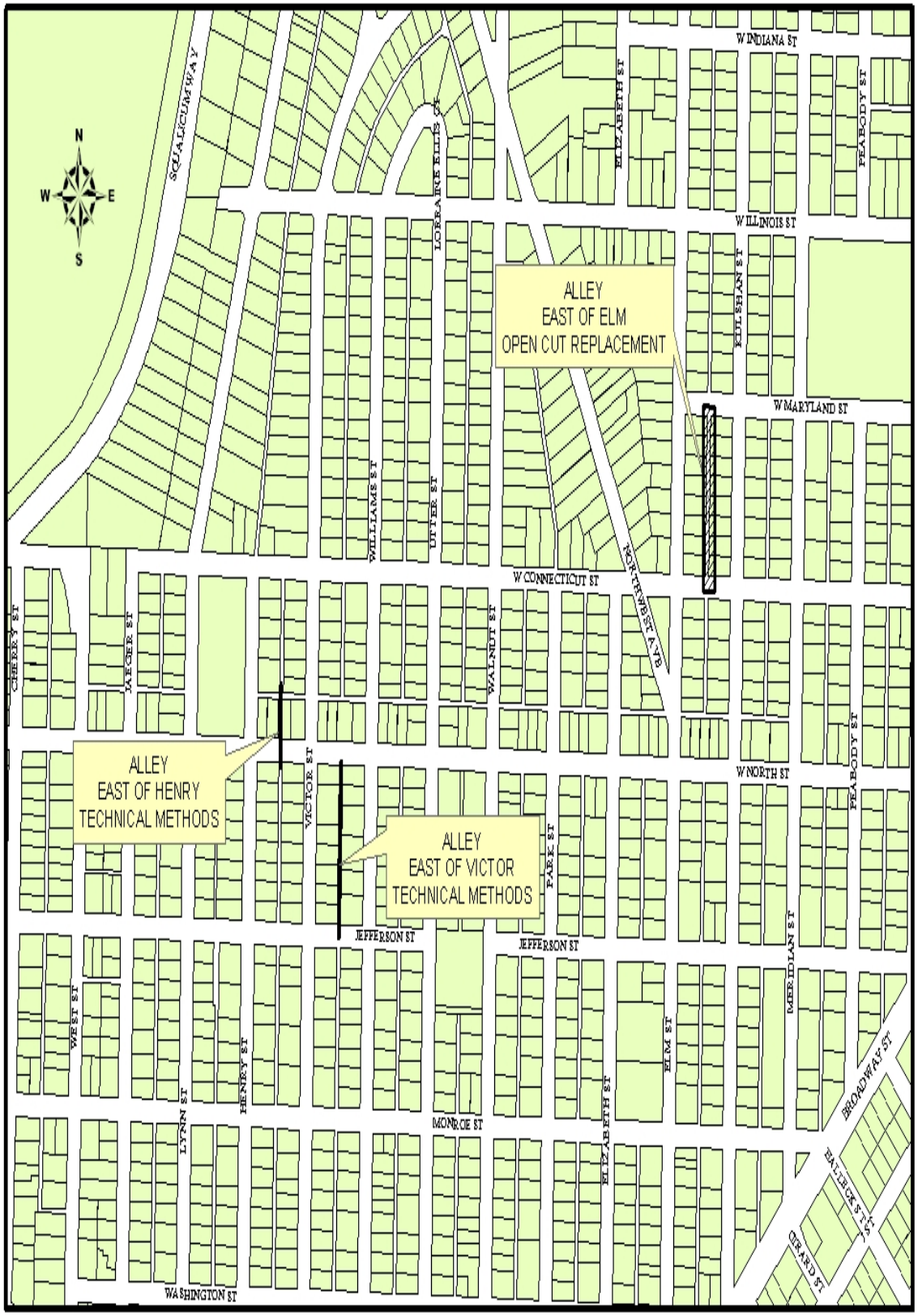
This project will replace existing manholes and restore sanitary sewers to near new condition through the use of trenchless technology and open cut methods in various neighborhoods (see vicinity maps p.2-7).

Open cut sewer rehabilitation is when the contractor digs through the pavement creating a trench where he lays new pipe to replace the old.

There are two methods of trenchless pipe replacement, pipe bursting and cured in place pipe (CIPP)

Pipe bursting replaces the existing pipe by pulling a high density poly ethylene (HDPE) pipe through the existing pipe by means of a chain or rod puller.

CIPP re-habilitates the existing sewer line by inserting a resin coated cloth liner with pressurized steam. The resin coated liner is then heated with the steam to activate the resin which then hardens and creates a pipe inside the existing pipe.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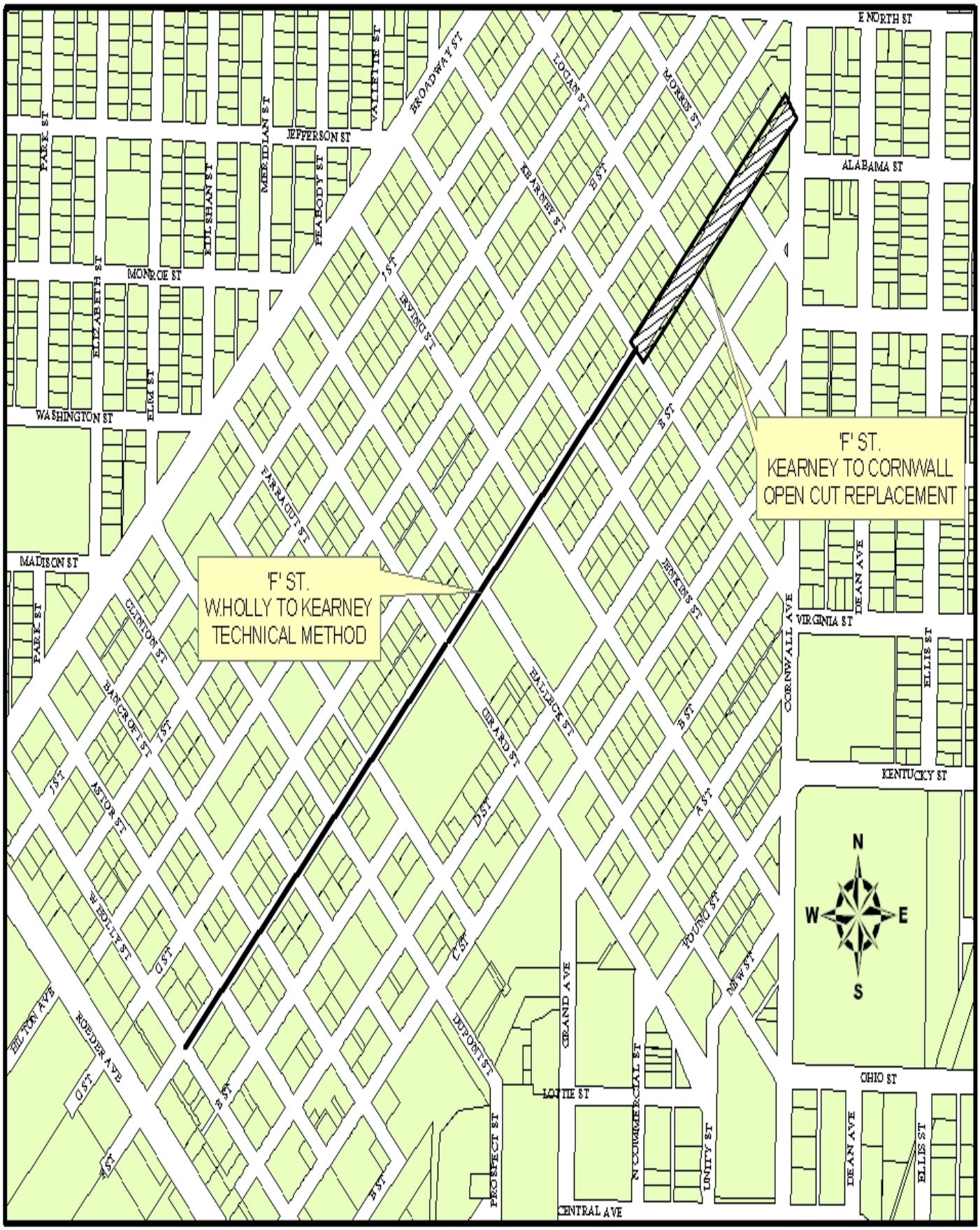
LORRAINE ELLIS CT
ELIZABETH ST
W INDIANA ST
PEABODY ST
W ILLINOIS ST
KELSHAN ST
ALLEY
EAST OF ELM
OPEN CUT REPLACEMENT
W MARYLAND ST
WILLIAMS ST
UTTER ST
W CONNECTICUT ST
NORTHWEST AVE
CHERRY ST
JAEGER ST
WALNUT ST
W NORTH ST
ALLEY
EAST OF HENRY
TECHNICAL METHODS
VICTOR ST
ALLEY
EAST OF VICTOR
TECHNICAL METHODS
PARK ST
JEFFERSON ST
JEFFERSON ST
MERIDIAN ST
WEST ST
HENRY ST
LYNN ST
MONROE ST
ELM ST
ELIZABETH ST
BROADWAY ST
BALDWIN ST
GRAND ST
WASHINGTON ST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KEARNEY TO CORNWALL
OPEN CUT REPLACEMENT
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VIRGINIA ST
KENTUCKY ST
OHIO ST
CENTRAL AVE
WASHINGTON ST
MADISON ST
MONROE ST
JEFFERSON ST
BROADWAY ST
LOGAN ST
MORRIS ST
KEARNEY ST
IRVING ST
FARRAGUT ST
CLINTON ST
BANCROFT ST
ASTOR ST
W HOLLY ST
HILTON AVE
ROEDER AVE
GIRARD ST
HALLECK ST
JENKINS ST
CORNWALL AVE
DEAN AVE
ELLIS ST
GRAND AVE
DUPONT ST
LOTTIE ST
PROSPECT ST
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NEW ST
YOUNG ST
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ELIZABETH ST
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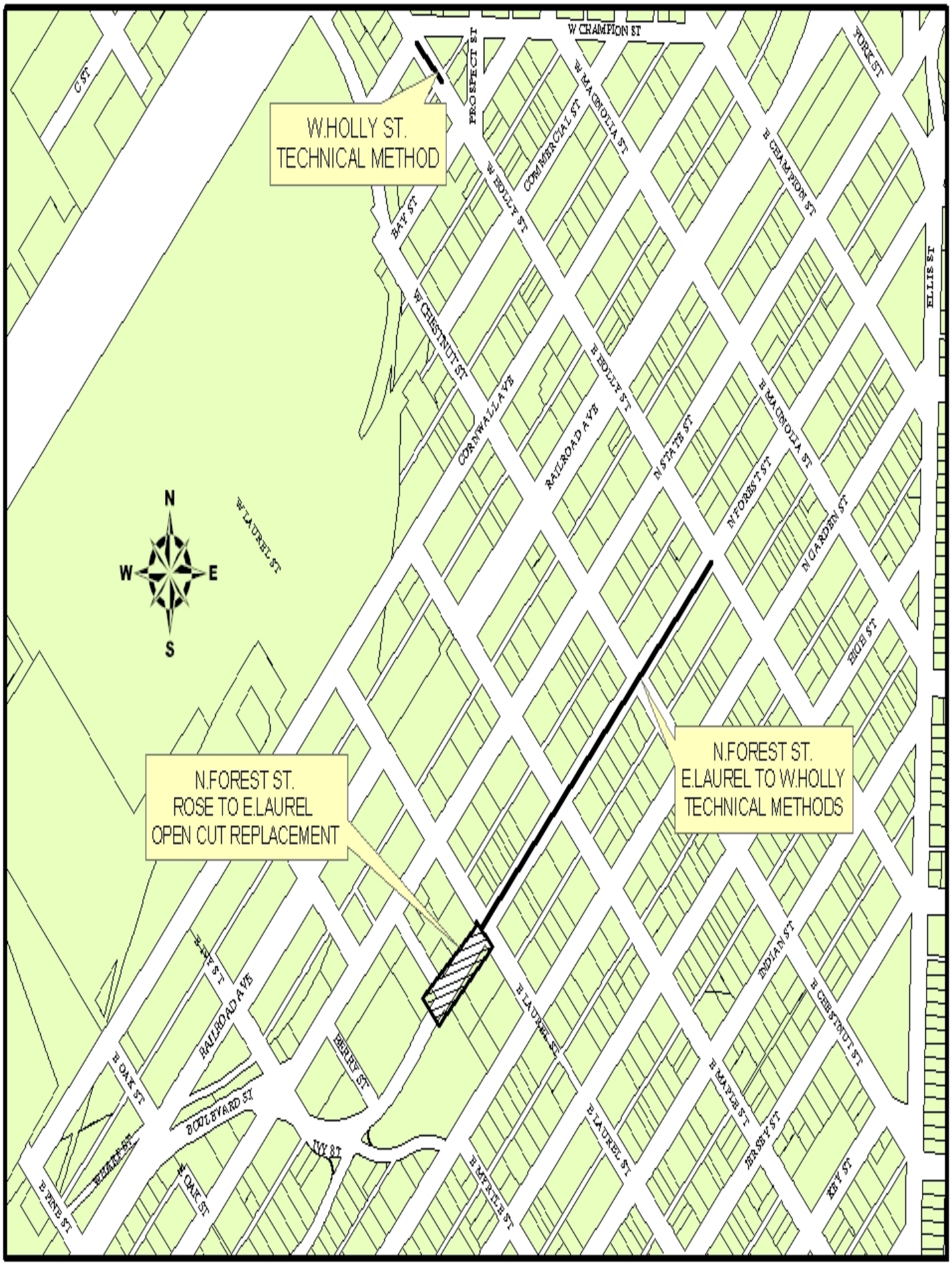
W.HOLLY ST.
TECHNICAL METHOD
N.FOREST ST.
ROSE TO E.LAUREL
OPEN CUT REPLACEMENT
N.FOREST ST.
E.LAUREL TO W.HOLLY
TECHNICAL METHODS
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PROSPECT ST
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COMMERCIAL ST
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ELLIS ST
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BAY ST
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CORNWALL AVE
RAILROAD AVE
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E MAGNOLIA ST
N FOREST ST
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HIGH ST
W LAUREL ST
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INDIAN ST
E CHESTNUT ST
E MAPLE ST
JERSEY ST
KEY ST
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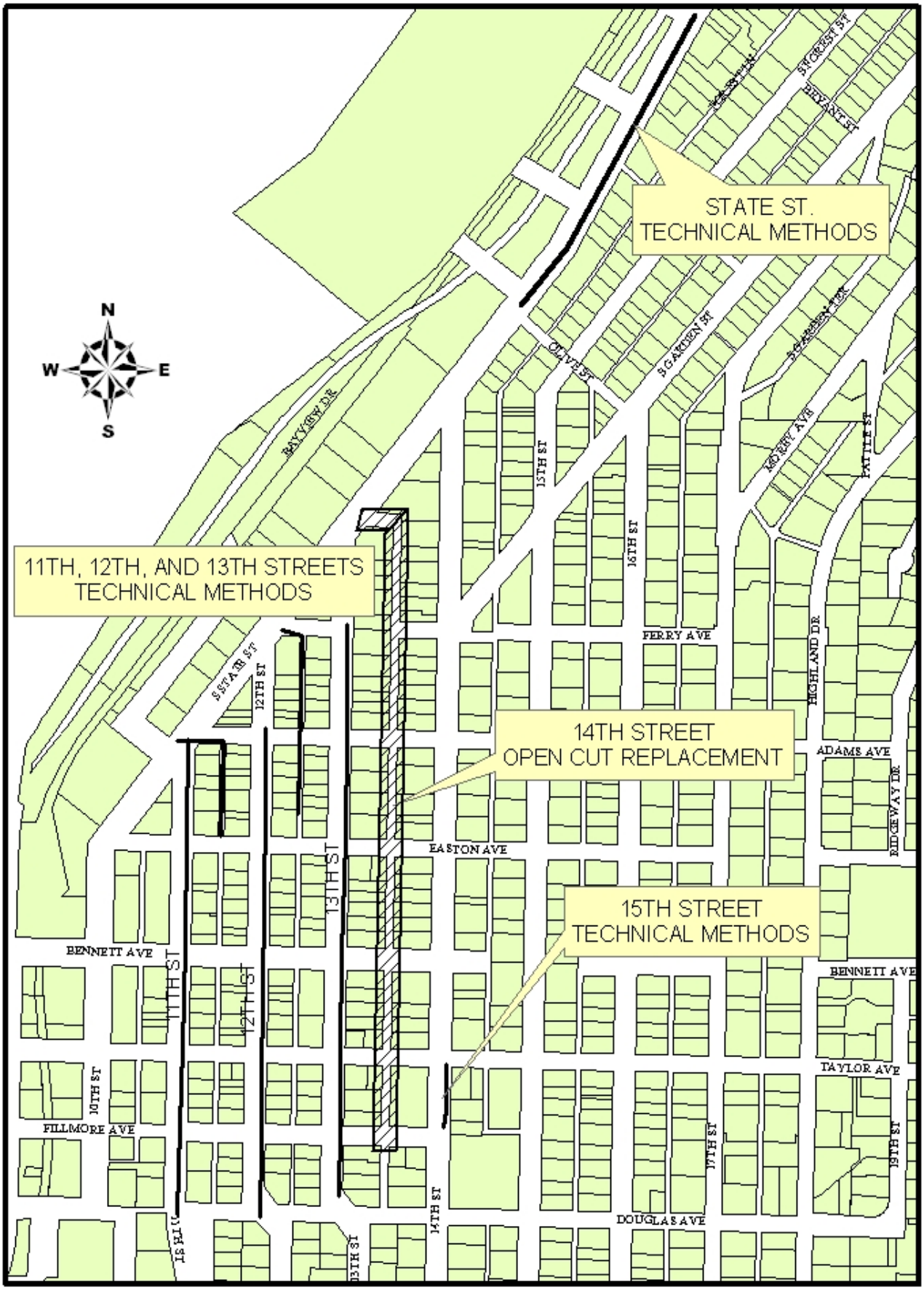
BERRY ST
BOULEVARD ST
IVY ST
E PINE ST
WHARF ST


STATE ST.
TECHNICAL METHODS
11TH, 12TH, AND 13TH STREETS
TECHNICAL METHODS
14TH STREET
OPEN CUT REPLACEMENT
15TH STREET
TECHNICAL METHODS
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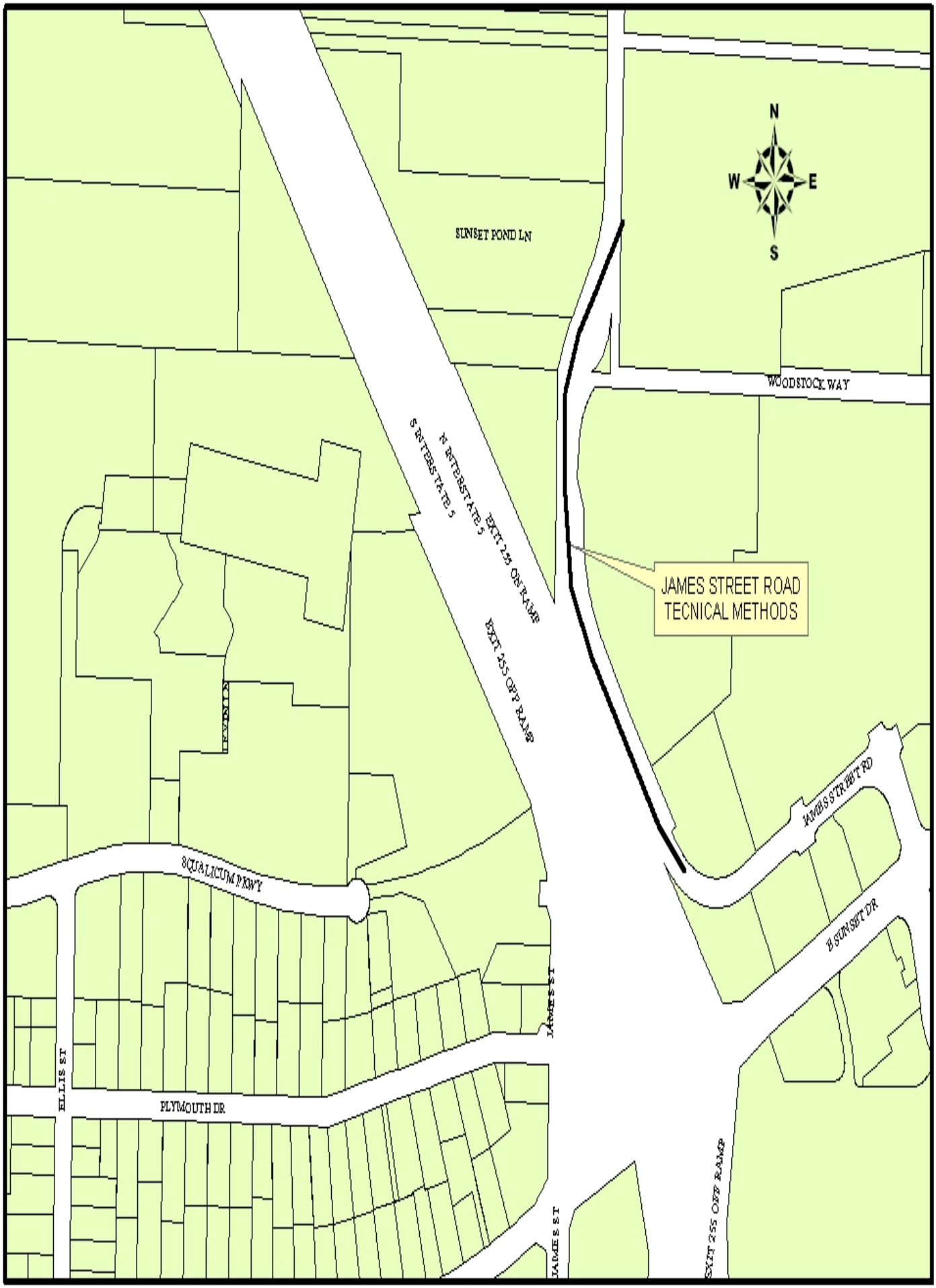
BAYVIEW DR
OLIVE ST
S GARDEN ST
15TH ST
16TH ST
FERRY AVE
HIGHLAND DR
ADAMS AVE
RIDGEWAY DR
EASTON AVE
BENNETT AVE
11TH ST
12TH ST
13TH ST
14TH ST
15TH ST
17TH ST
FILLMORE AVE
TAYLOR AVE
DOUGLAS AVE


N
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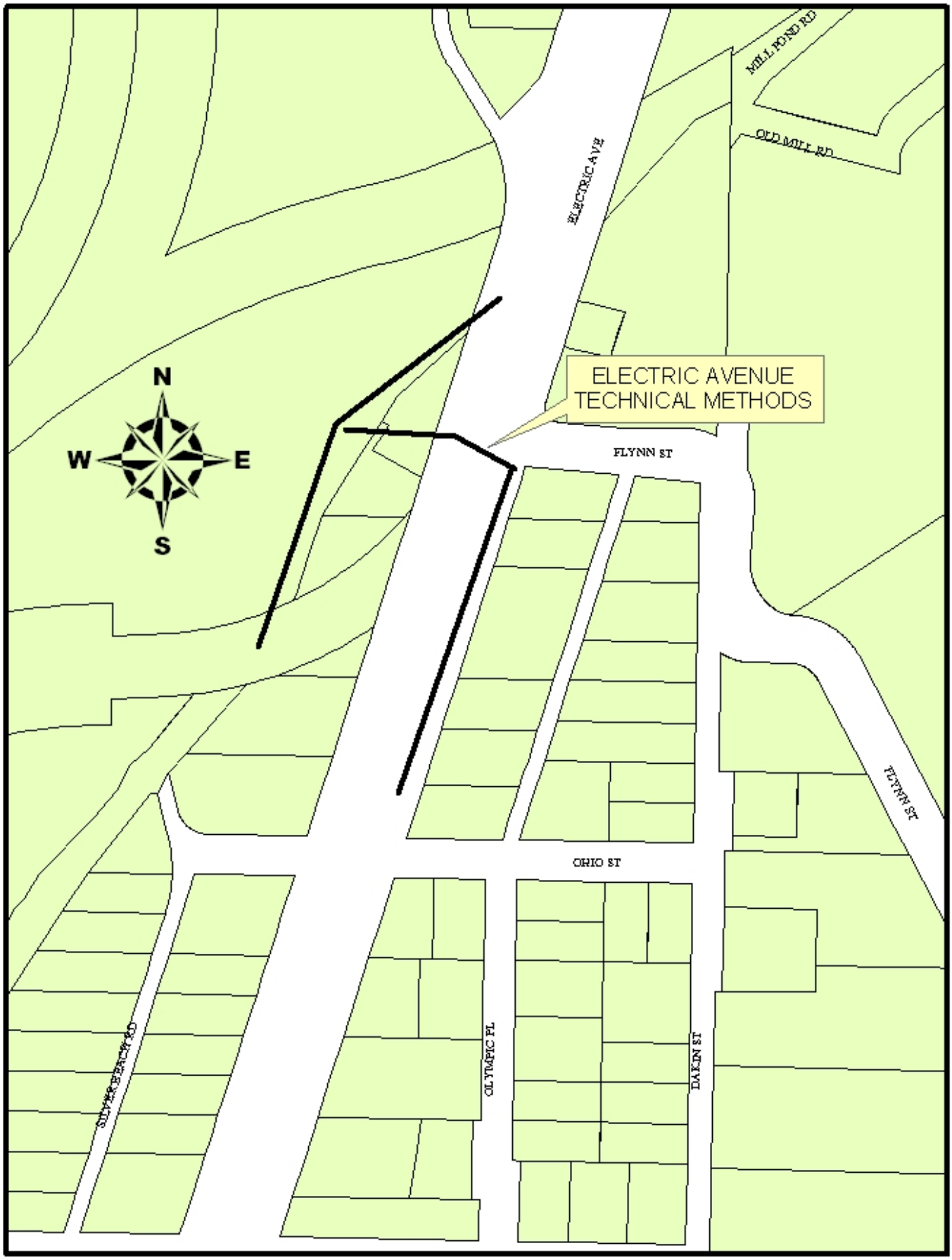
S
SUNSET POND LN
WOODSTOCK WAY
N INTERSTATE 5
S INTERSTATE 5
EXIT 255 OFF RAMP
EXIT 255 OFF RAMP
JAMES STREET ROAD
TECNICAL METHODS
JAMES ST RD
E SUNSET DR
SQUALICUM PKWY
ELLIS ST
PLYMOUTH DR
JAMES ST
JAMES ST
EXIT 255 OFF RAMP


ELECTRIC AVENUE
TECHNICAL METHODS
N
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MILL POND RD
OLD MILL RD
ELECTRIC AVE
FLYNN ST
FLYNN ST
OHIO ST
OLYMPIC PL
DAKIN ST