

Middlesex Canal National Register Historic District Assessor's Plan Map Book

The Middlesex Canal Commission

In association with:

The Northern Middlesex Council of Governments

and

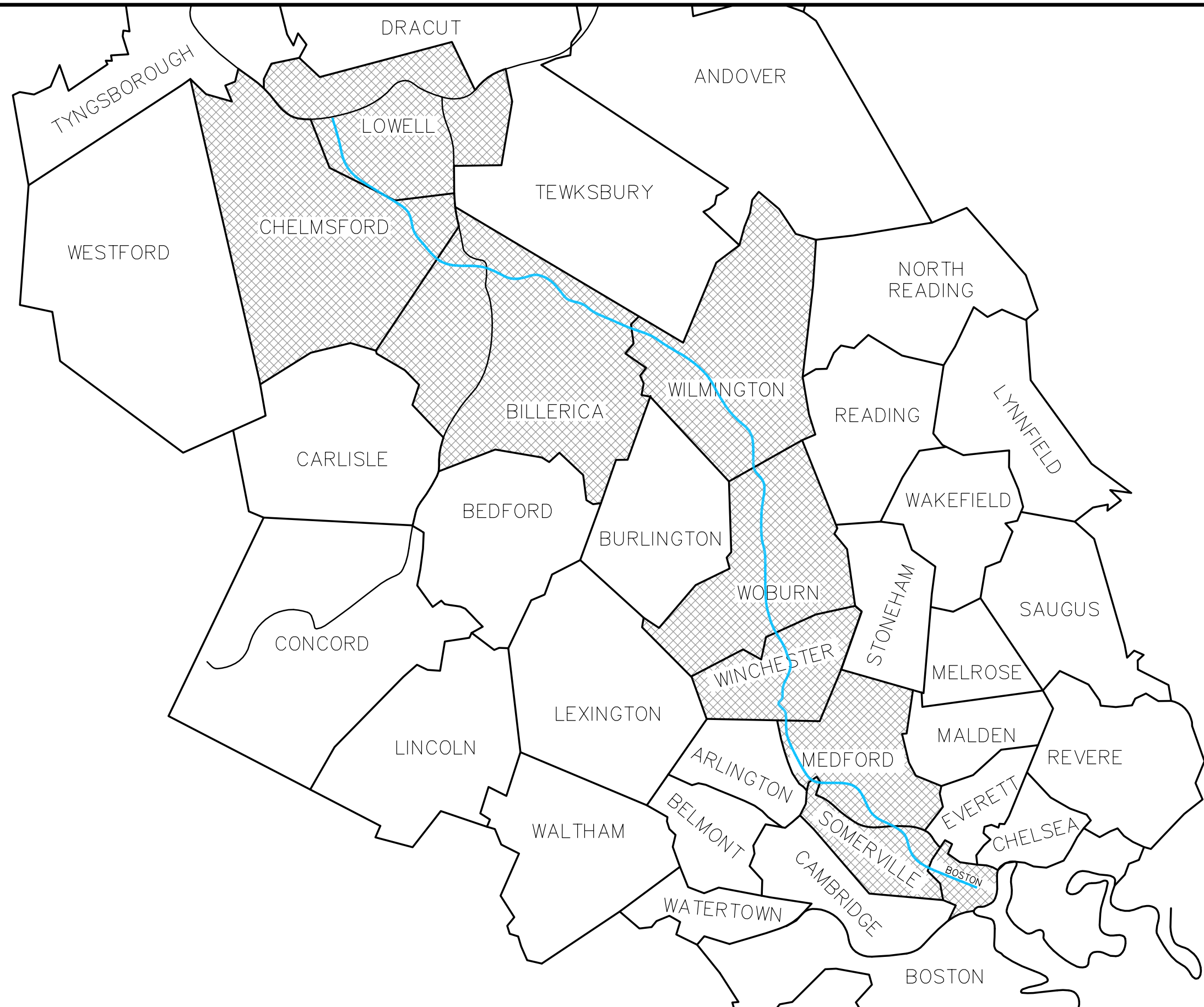
The Massachusetts Historic Commission

Prepared by:

The Waterfield Design Group, Inc.

Engineers Urban Planners Landscape Architects

50 Cross Street, Winchester, Massachusetts 01890



THE WATERFIELD DESIGN GROUP, INC.
50 CROSS STREET
WINCHESTER, MA 01890

MIDDLESEX CANAL NATIONAL REGISTER HISTORIC DISTRICT

PREPARED FOR
THE MIDDLESEX CANAL COMMISSION
THE NORTHERN MIDDLESEX COUNCIL OF GOVERNMENT
AND THE MASSACHUSETTS HISTORIC COMMISSION

SCALE:	NO SCALE
FILENAME:	1386
DATE:	7/15/08

MIDDLESEX CANAL MAP BOOK

INTRODUCTION

This MAP BOOK was prepared by the Middlesex Canal Commission and the Middlesex Canal Association to establish the exact location, in relation to the current properties, of the complete route of the Old Middlesex Canal in Middlesex County, Massachusetts. It is of most importance in respect to those locations that were filled and overbuilt immediately after the canal was abandoned in 1860. This Map Book was revised and updated as part of the National Register of Historic Places nomination process for the Middlesex Canal Historic District (2008, as amended).

PURPOSES

The MAP BOOK is part of the submission of the 2008 Amendment to the National Register designation of a portion of the Middlesex Canal of 1972 (from Lowell to Woburn), specifically, to add to the extant parts of the original nomination those parts of the canal that had been omitted previously.

The MAP BOOK shows the present condition of the canal, and canal features, along the complete route, from Lowell to Boston.

The MAP BOOK and the National Register designation assist the Middlesex Canal Commission’s efforts in preservation and planning.

METHODOLOGY

The MAP BOOK is based on current assessors’ maps, arranged continuously from the Merrimack River Basin in Lowell to the Mill Pond at the Charles River in Boston, Massachusetts. All maps are presented in the same scale of 300 feet to the inch. The canal is plotted so that the 75–foot buffer that defines the nomination boundary is ¼ inch wide.

The important structures, namely locks, aqueducts, bridges, landings, basins, and related buildings and sites, are identified on the map. Eighty–two segments have been defined by canal condition, for the purpose of this nomination. Extant canal–associated resources outside the nomination boundary are also identified on the map for informational purposes only; they are not included in the present nomination.

The canal’s locations in the areas where it had been overbuilt have been verified from the Middlesex Canal Company records, old maps, deeds, and previous surveys, to the extent available. Many of the old records have been lost from fires and simple carelessness. Surveying methods and equipment prior to 1836 were not standardized.

All properties through which the canal corridor passes have been given numbers for identification with the corresponding Assessor’s Plate and Lot Numbers. A District Data Sheet is also part of the nomination and lists the 82 segments and all features within the canal nomination boundary. See District Data Sheet for more information on specific parcels.

ACKNOWLEDGMENTS

Maps were completed by the Waterfield Design Group, Inc. (formerly Winchester Engineering Associates) with the assistance of the Northern Middlesex Council of Government, the Morgan Center of the University of Massachusetts – Lowell, and the Librarians, Historical Societies, Historical Commissions, and various citizens of the nine communities through which the canal flowed, under the direction of the National Register Committee, and working with the staff of the Massachusetts Historical Commission. Additional financial contributions by Middlesex Canal Commission and Middlesex Canal Association.

Thomas Raphael, Chairman, Middlesex Canal Commission
Nolan T. Jones, President, Middlesex Canal Association
Susan Keats, Archivist, Middlesex Canal Commission



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INTRODUCTION

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LEGEND

CANAL STRUCTURES

LOCK >>

BRIDGE 

AQUEDUCT 

LANDING

CURRENT CANAL CONDITION

PRISM, WETTED PRISM, DRY 

OPEN GROUND

BUILT OVER 

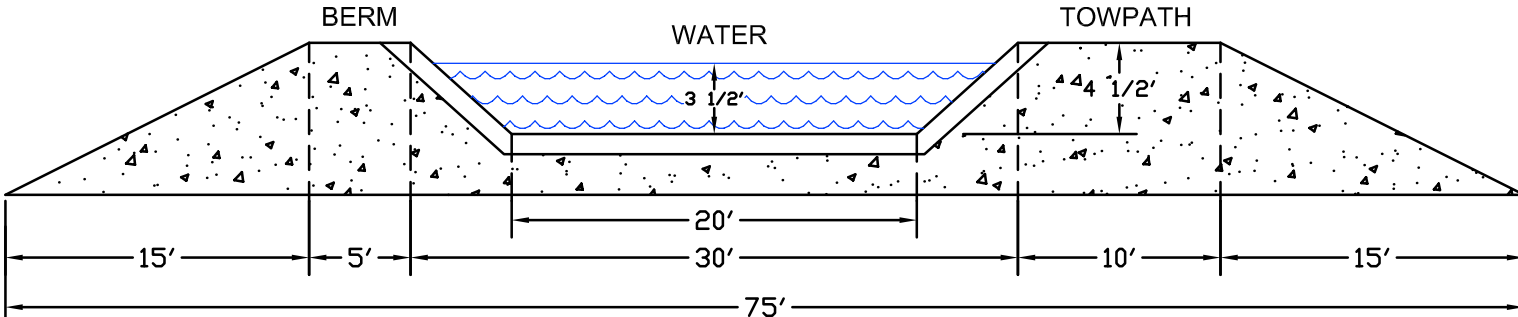
FEATURE CLASSIFICATION

FEATURE WITHIN THE
CANAL HISTORIC
DISTRICT BOUNDARY

FEATURE OUTSIDE
CANAL HISTORIC
DISTRICT BOUNDARY

MIDDLESEX CANAL PRISM

75' CANAL BUFFER



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GENERAL NOTES - 1

CANAL FEATURES

NOTE: This list includes basins, locks, aqueducts, sluiceways, culverts, and other canal features, which can be found on the maps that follow. Those features whose location is speculative are listed in italics. Canal segments, defined by current canal condition for the purpose of this nomination, are identified on the maps but are not included on the list. Other historic resources associated with the Middlesex Canal but not within the nomination boundary are not on the list below, but are noted on the maps.

MCD #	NAME
LOWELL MAP # 1, page 1	
L-2	Basin site
L-3	Merrimack Lock 1
L-4	Merrimack Lock 2
L-5	Merrimack Lock 3
L-6	Merrimack Landing
L-7	Great Road Bridge
L-8	Middlesex Village
L-11	Black Brook Aqueduct
L-12	Glass House Bridge
L-13	Culvert Site
L-14	Sluiceway
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Bi-41	Stone Culvert Site
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Bi-52	Lund Bridge
Bi-53	Lock Chamber and Dam
Bi-54	Floating Towpath Anchor Stone
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Wo-125	<i>Towpath Bridge</i>
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Wo-158	House (now Apartments)
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Bo-221	Malden Road Bridge
Bo-222	Main Street Bridge
Bo-223	Canal Lock
Bo-224	Mill Pond Landing
Bo-225	Tide Lock
Bo-226	Tide Bridge

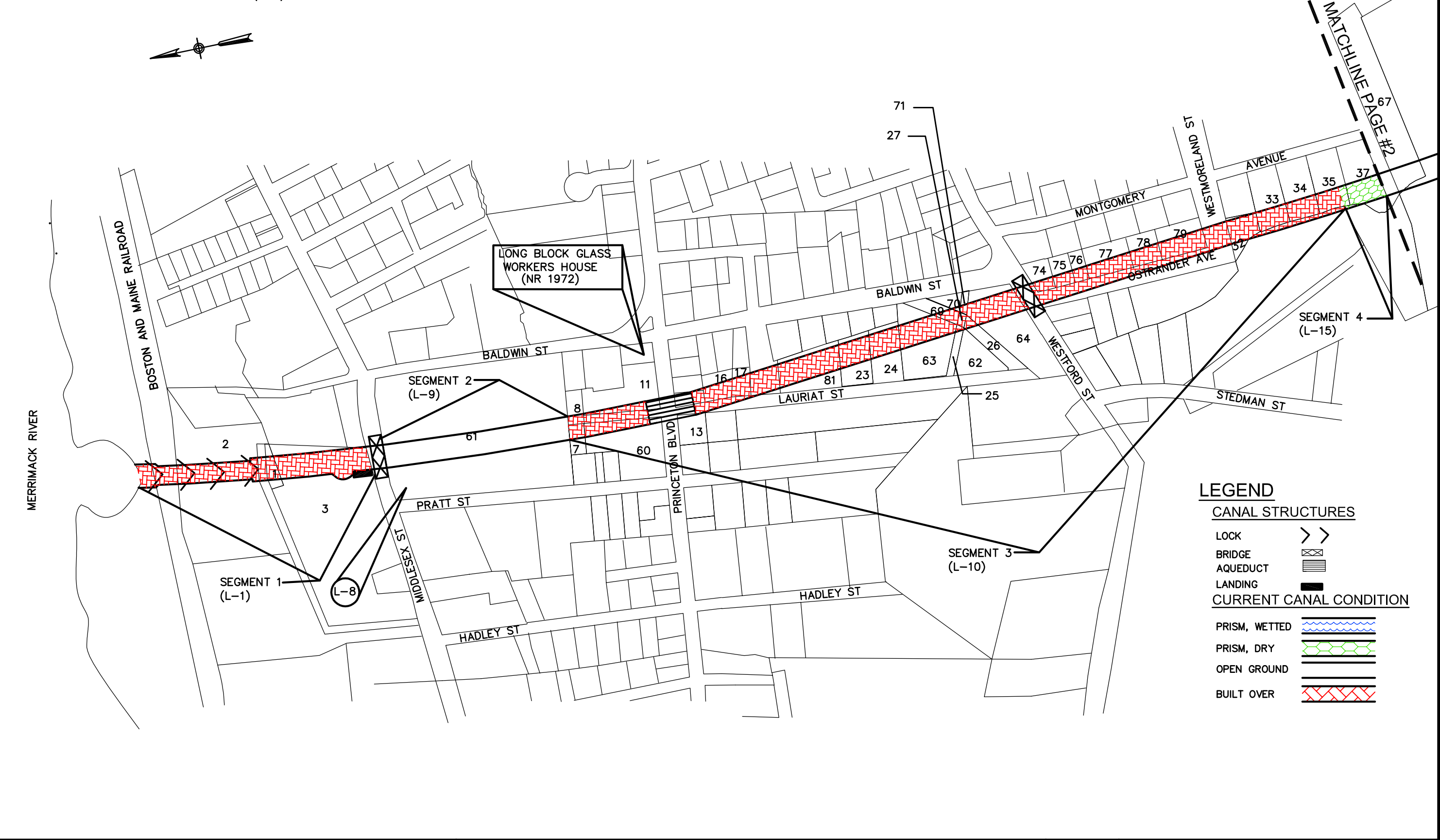


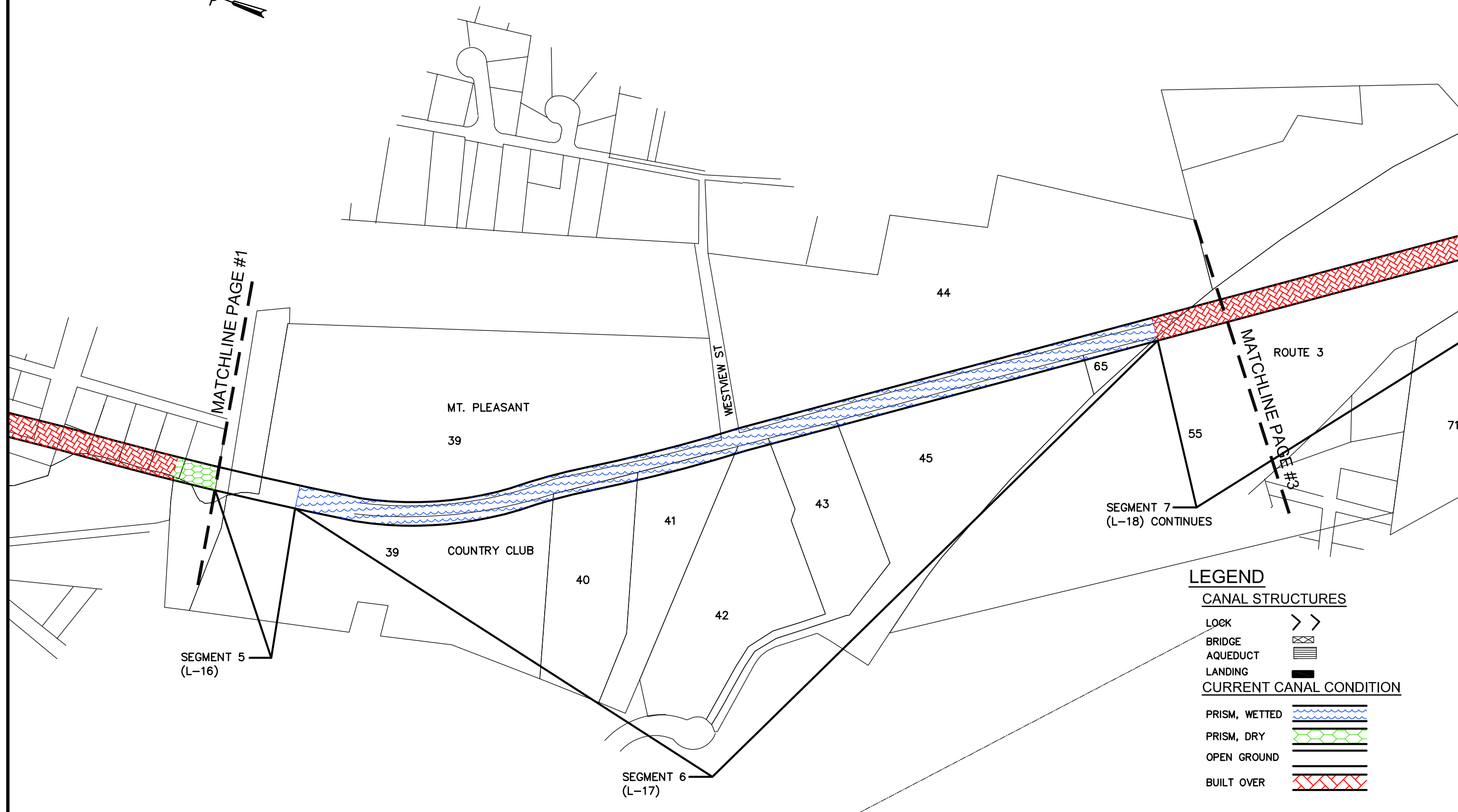
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SCALE:
NO SCALE
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1386
DATE:
7/15/08

GENERAL
NOTES - 2





LEGEND

CANAL STRUCTURES

- LOCK >>
- BRIDGE
- AQUEDUCT
- LANDING

CURRENT CANAL CONDITION

- PRISM, WETTED
- PRISM, DRY
- OPEN GROUND
- BUILT OVER



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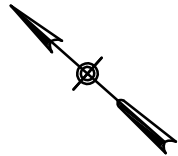
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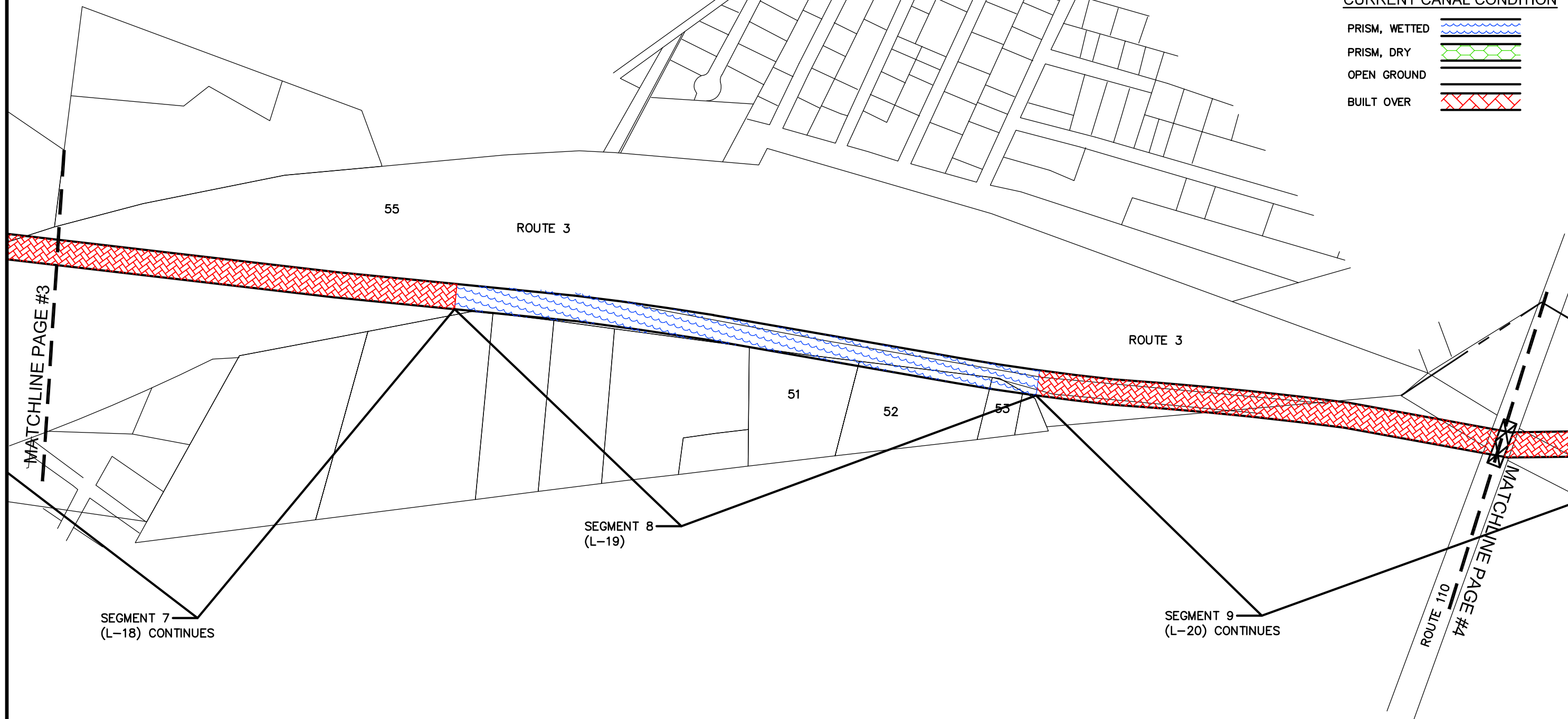
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LOWELL 2

PAGE #2



LEGEND	
CANAL STRUCTURES	
LOCK	> >
BRIDGE	⊠
AQUEDUCT	▨
LANDING	■
CURRENT CANAL CONDITION	
PRISM, WETTED	
PRISM, DRY	
OPEN GROUND	
BUILT OVER	



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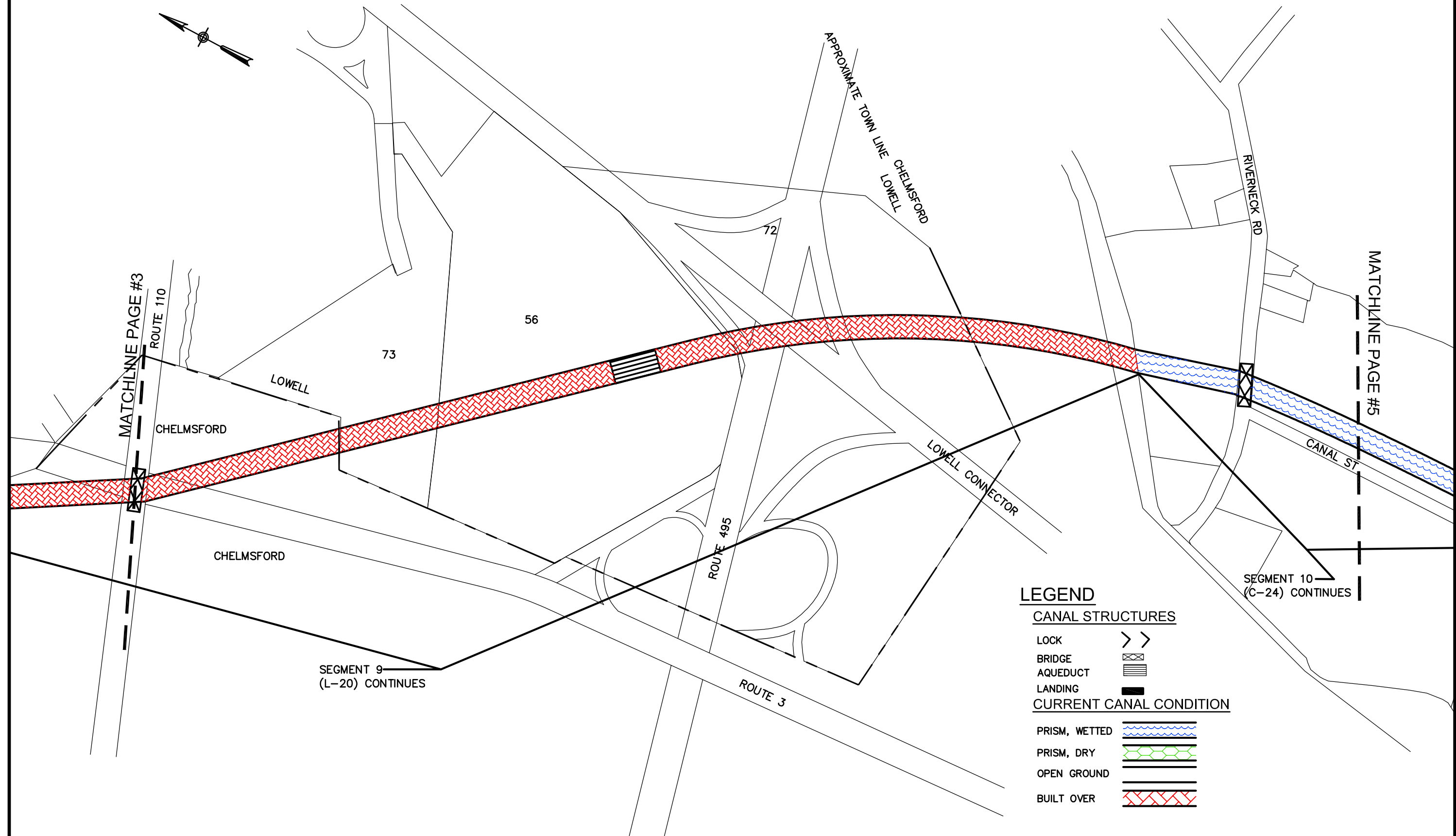
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LOWELL 3

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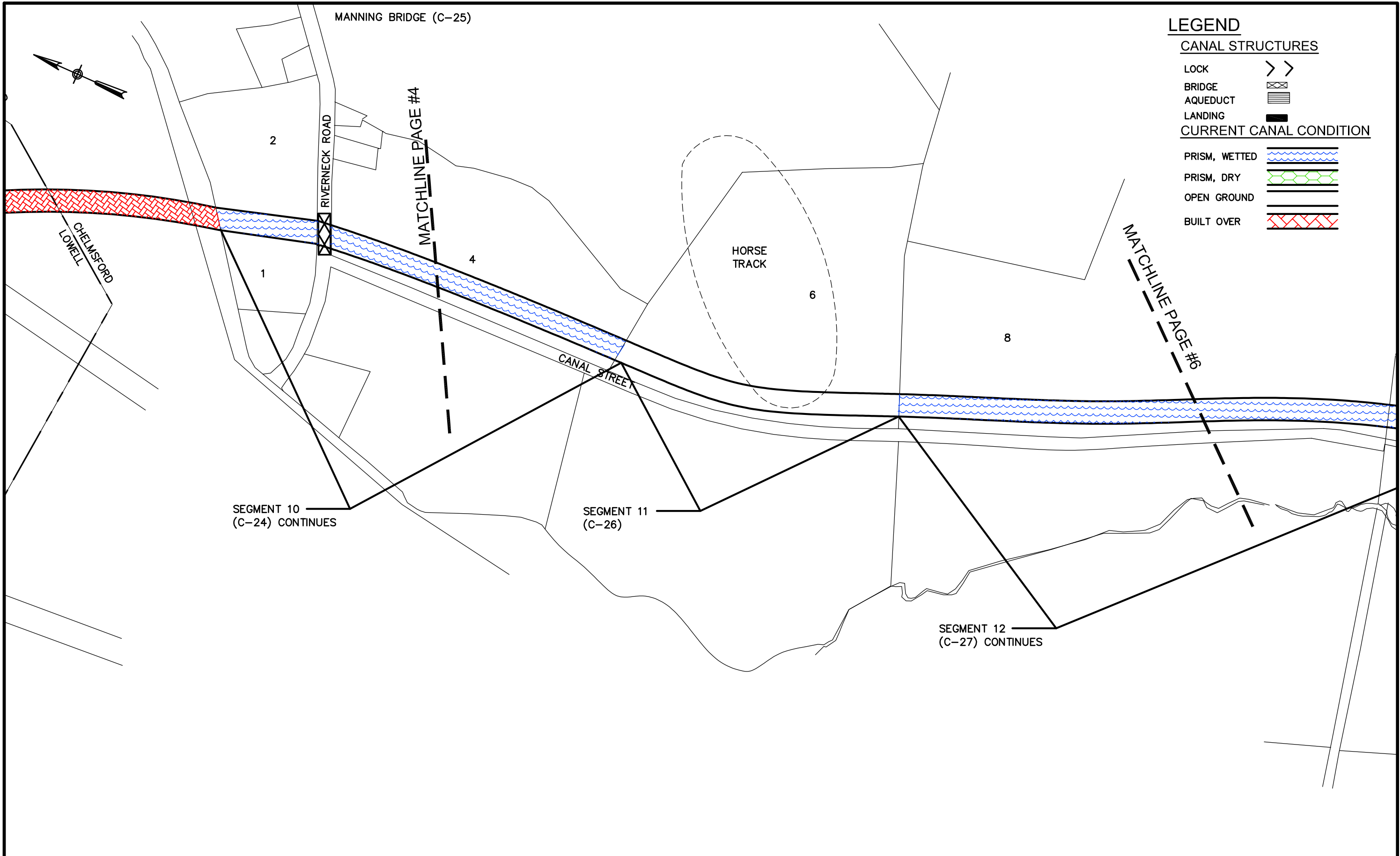
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CHELMSFORD 1

PAGE #5

CULVERT SITE (C-28)

POSSIBLE WATERED BASIN (C-30)
SLUICeway SITE (C-31)

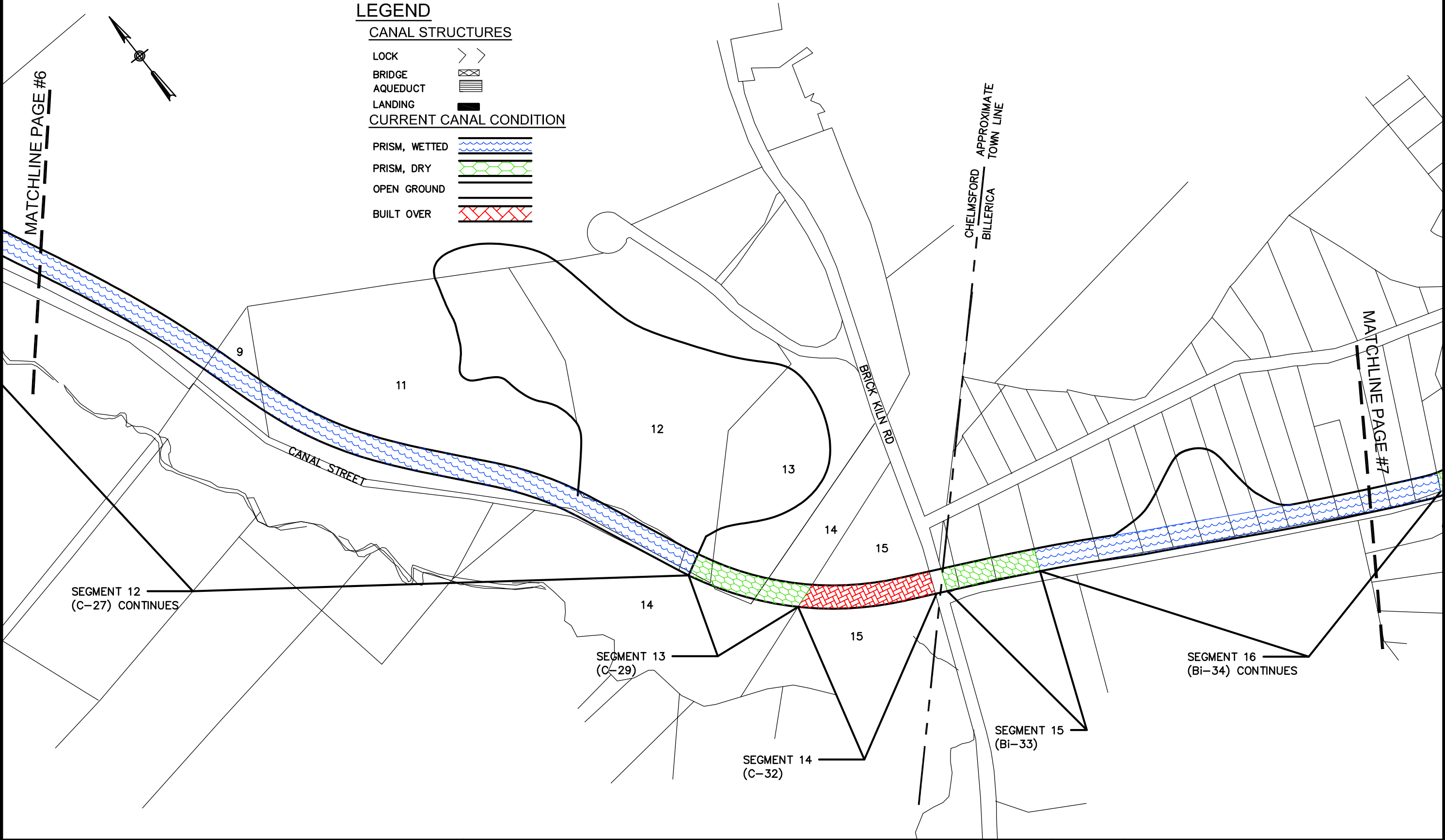
LEGEND

CANAL STRUCTURES

- LOCK >>
- BRIDGE
- AQUEDUCT
- LANDING

CURRENT CANAL CONDITION

- PRISM, WETTED
- PRISM, DRY
- OPEN GROUND
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CHELMSFORD 2

LEGEND

CANAL STRUCTURES

LOCK > >

BRIDGE [cross-hatch symbol]

AQUEDUCT [horizontal line symbol]

LANDING [solid black rectangle symbol]

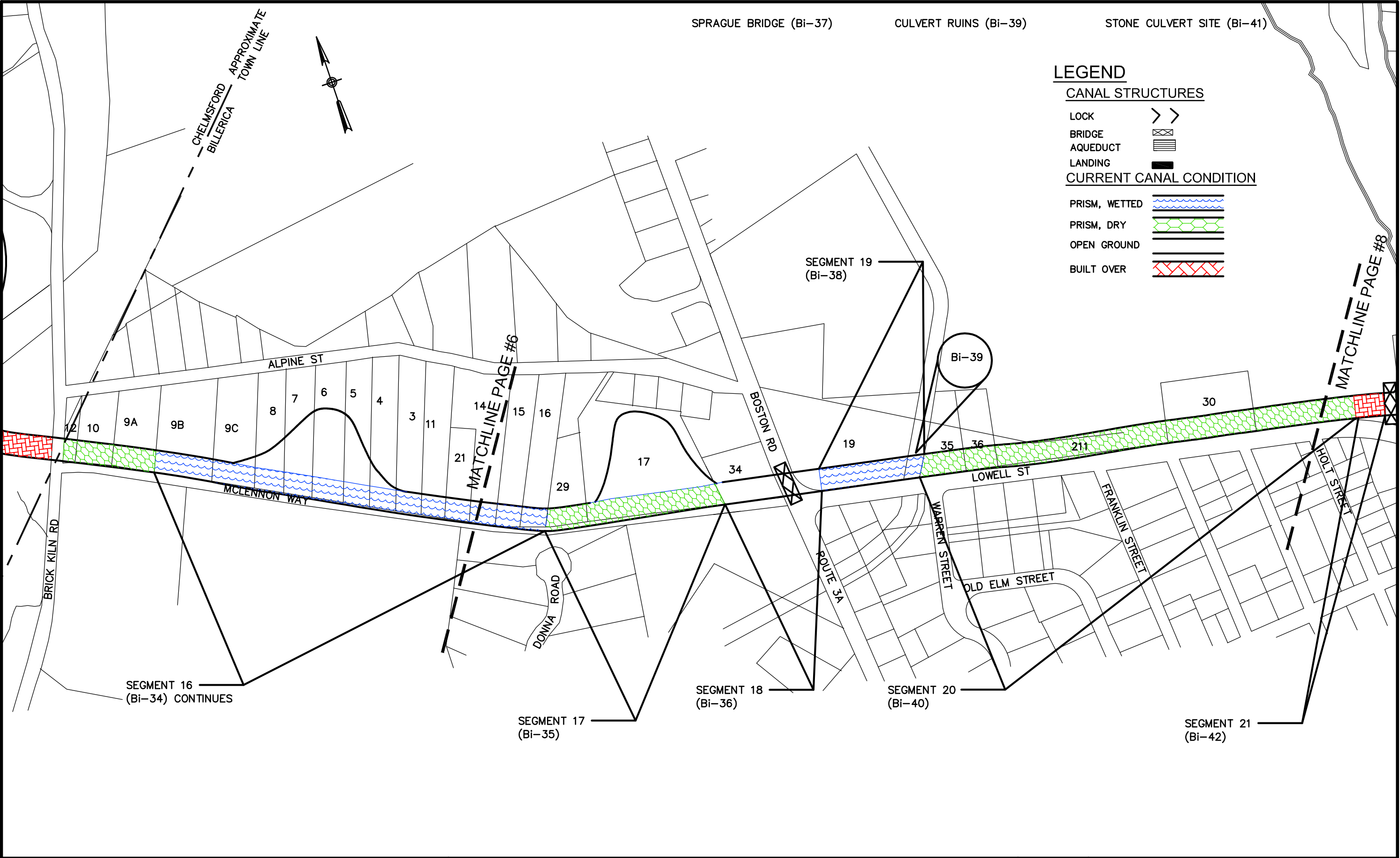
CURRENT CANAL CONDITION

PRISM, WETTED [blue wavy line symbol]

PRISM, DRY [green hexagon symbol]

OPEN GROUND [horizontal line symbol]

BUILT OVER [red cross-hatch symbol]



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BILLERICA 1

FARMERS BRIDGE (Bi-43)
CONCORD RIVER SLUICE (Bi-45)
RED LOCK RETAINING WALL (Bi-46)
RED LOCK BASIN (Bi-47)

LANDING (Bi-49) GUARD LOCK (Bi-50)




LUND BRIDGE (Bi-52)
LOCK CHAMBER AND DAM (Bi-53)

FLOATING TOWPATH ANCHOR STONE (Bi-54)
FLOATING TOWPATH PENINSULA (Bi-55)
ROGERS BRIDGE (Bi-56)





LINCOLN LOCK (Bi-57)

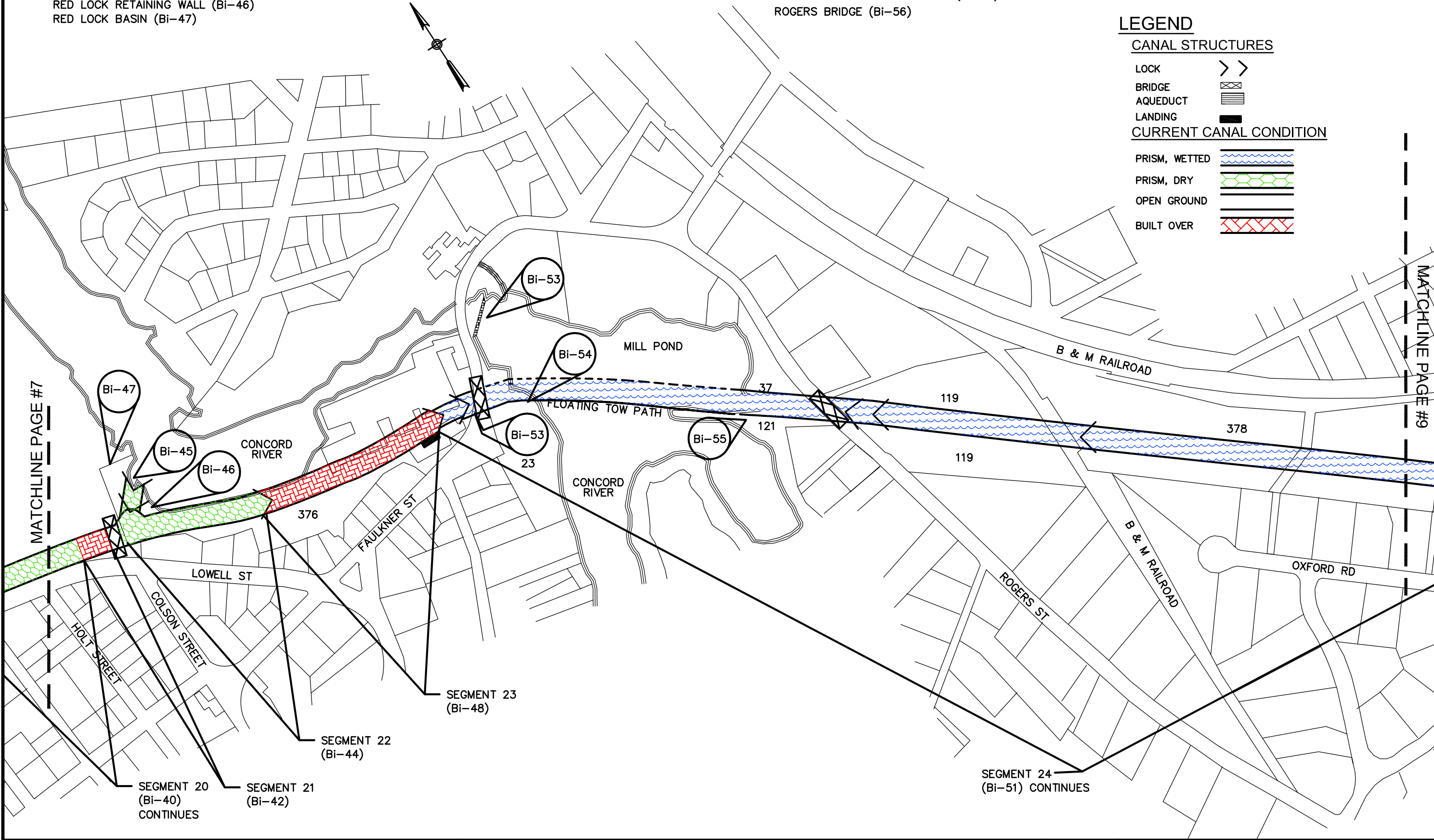
LEGEND

CANAL STRUCTURES

LOCK >>
BRIDGE 
AQUEDUCT 
LANDING 

CURRENT CANAL CONDITION

PRISM, WETTED 
PRISM, DRY 
OPEN GROUND 
BUILT OVER 



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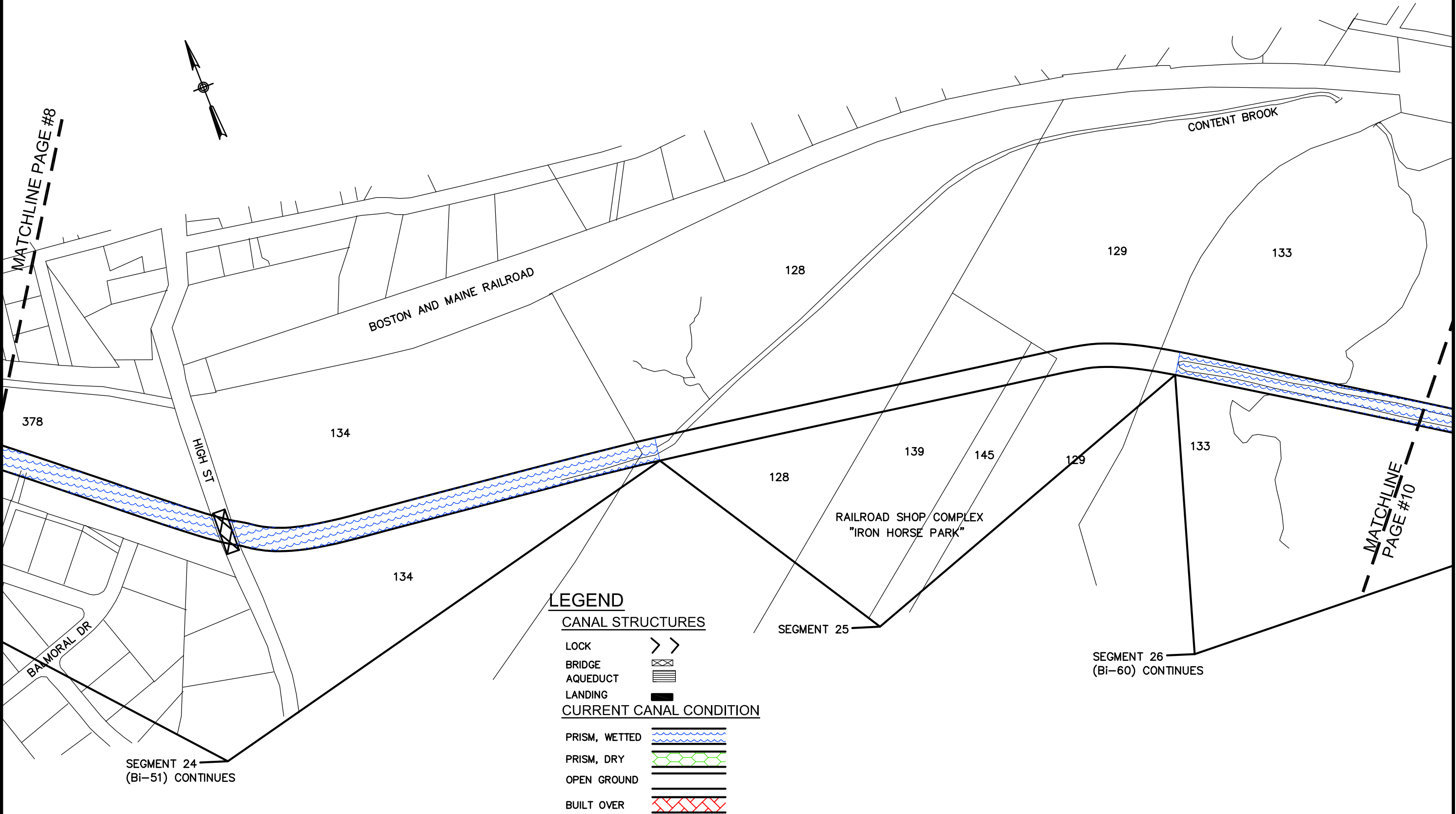
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BILLERICA 2

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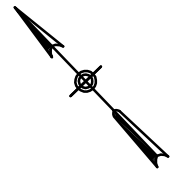
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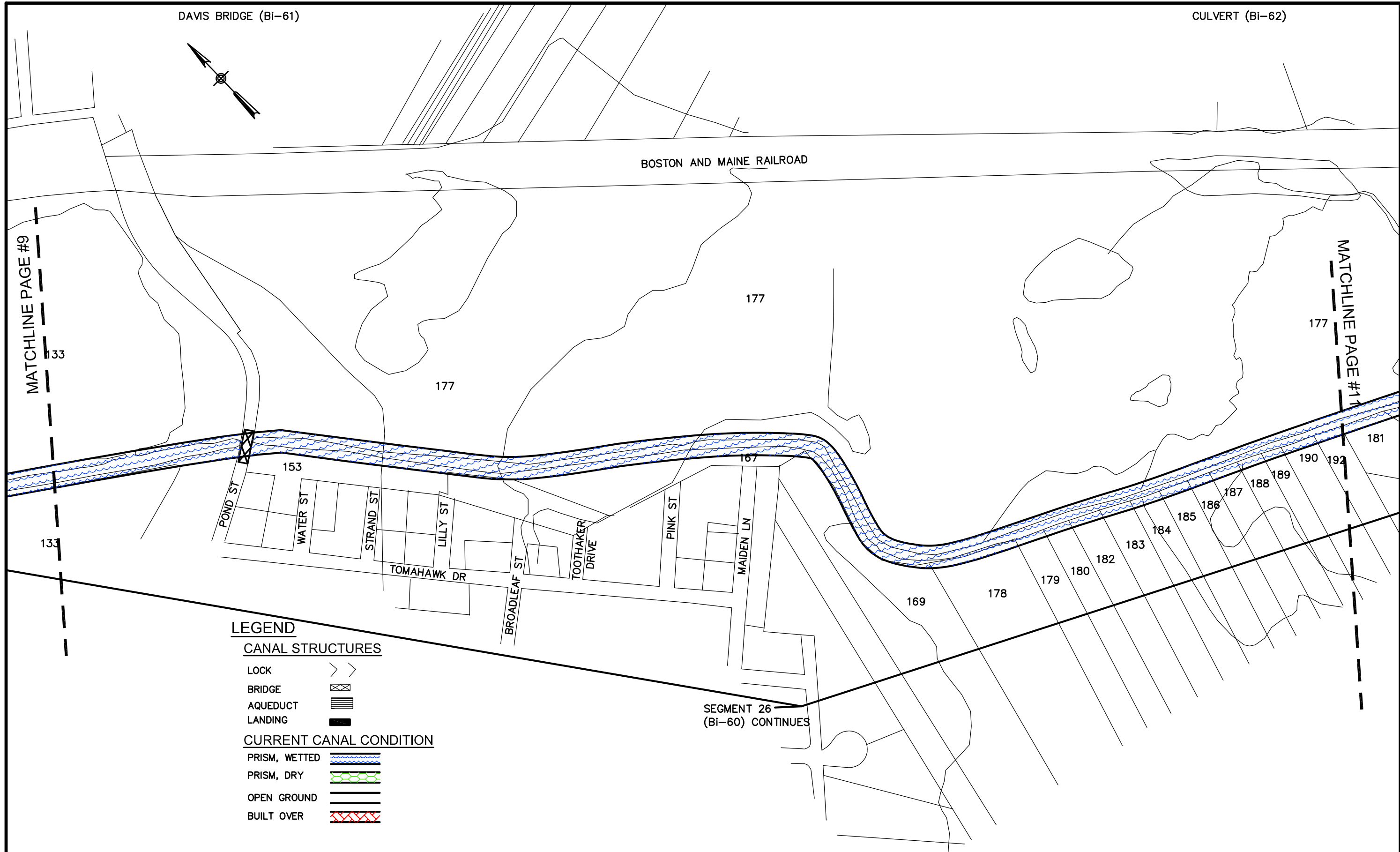
BILLERICA 3



BOSTON AND MAINE RAILROAD

MATCHLINE PAGE #9

MATCHLINE PAGE #11



LEGEND

CANAL STRUCTURES

- LOCK >>
- BRIDGE
- AQUEDUCT
- LANDING

CURRENT CANAL CONDITION

- PRISM, WETTED
- PRISM, DRY
- OPEN GROUND
- BUILT OVER

SEGMENT 26
(Bi-60) CONTINUES



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BILLERICA 4

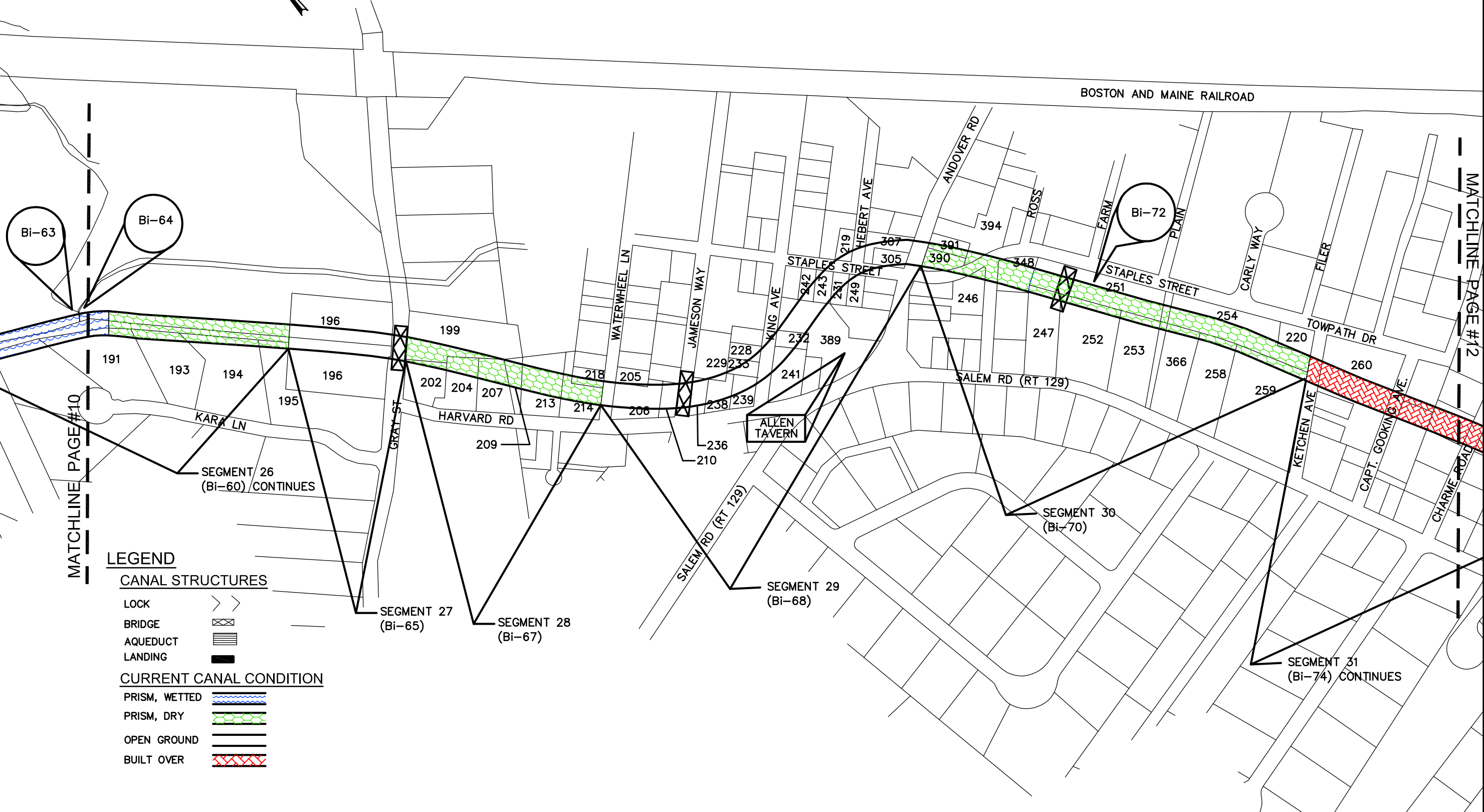
PAGE #10

CONTENT BROOK SLUICeway (Bi-63)
RICHARDSONS MILL SLUICeway (Bi-64)

RICHARDSON BRIDGE (Bi-66)

ALLEN BRIDGE (Bi-69)

BROWN'S BRIDGE (Bi-71)
BROWN'S FOOTBRIDGE (Bi-72)
COLLAPSED DOUBLE CULVERTS SITE (Bi-73)



LEGEND

CANAL STRUCTURES

- LOCK: >>
- BRIDGE: [Symbol]
- AQUEDUCT: [Symbol]
- LANDING: [Symbol]

CURRENT CANAL CONDITION

- PRISM, WETTED: [Symbol]
- PRISM, DRY: [Symbol]
- OPEN GROUND: [Symbol]
- BUILT OVER: [Symbol]



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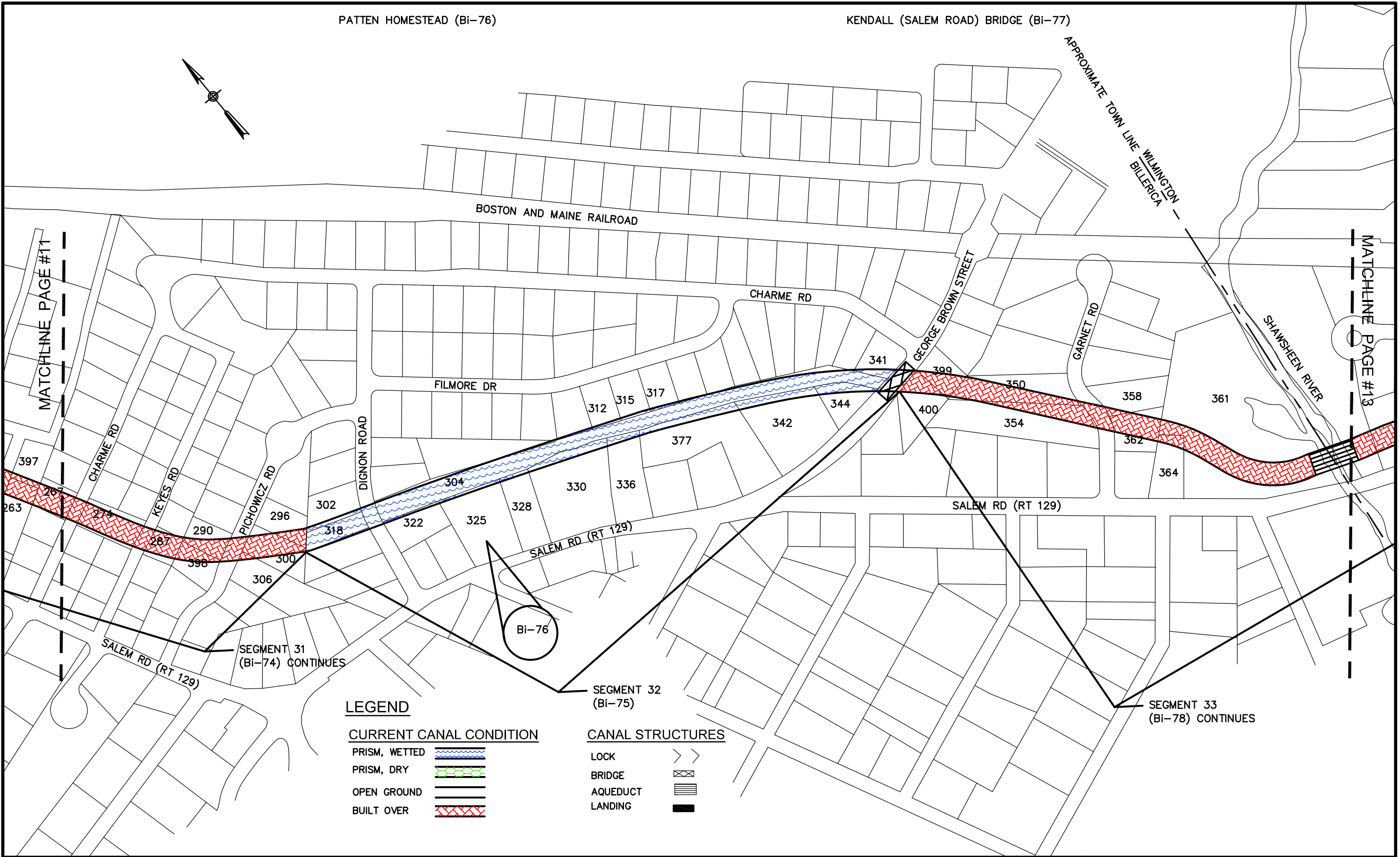
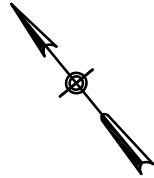
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BILLERICA 5

APPROXIMATE TOWN LINE
WILMINGTON
BILLERICA



LEGEND

CURRENT CANAL CONDITION

- PRISM, WETTED
- PRISM, DRY
- OPEN GROUND
- BUILT OVER

CANAL STRUCTURES

- LOCK
- BRIDGE
- AQUEDUCT
- LANDING



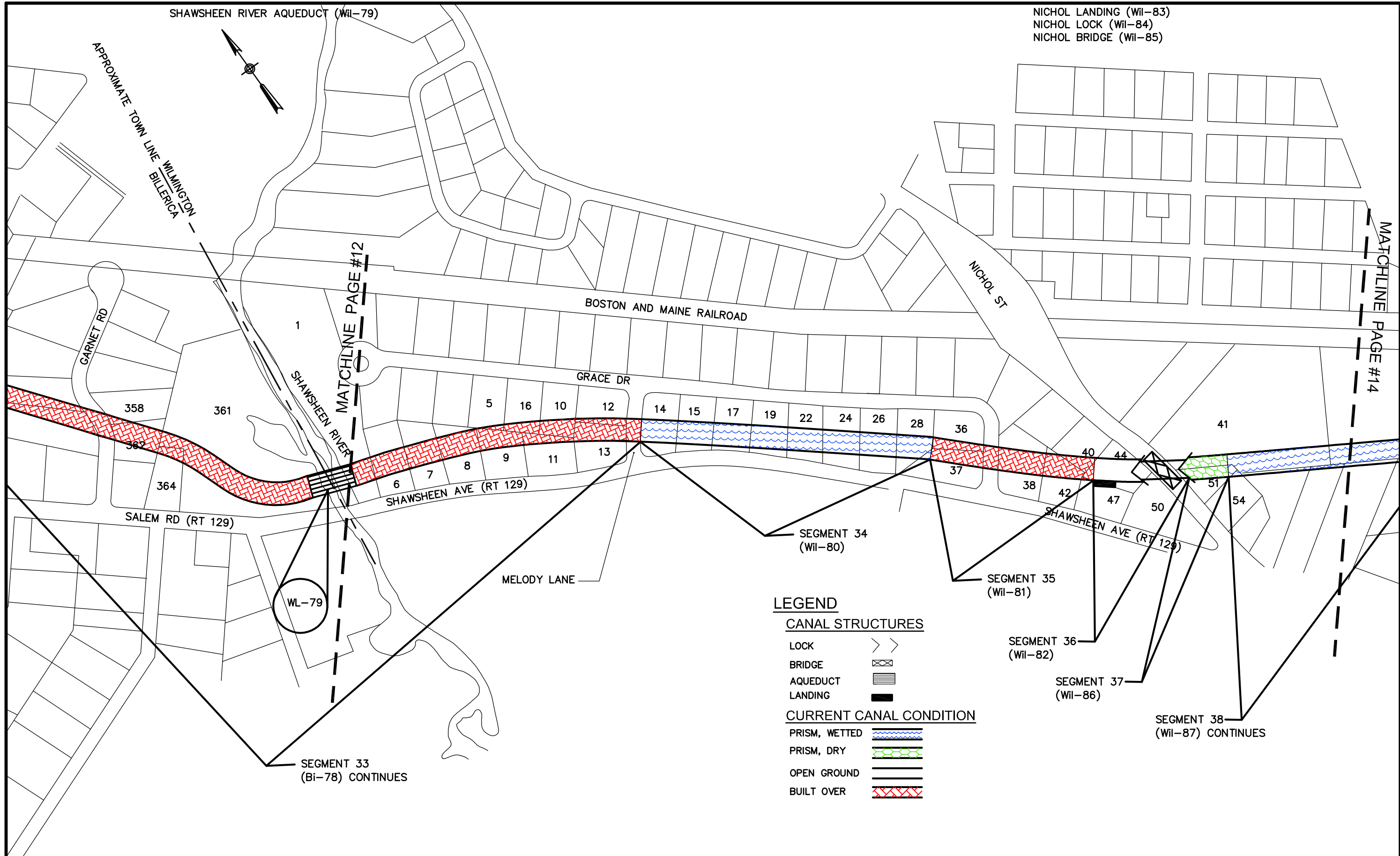
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BILLERICA 6



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WILMINGTON 1



PAGE #13

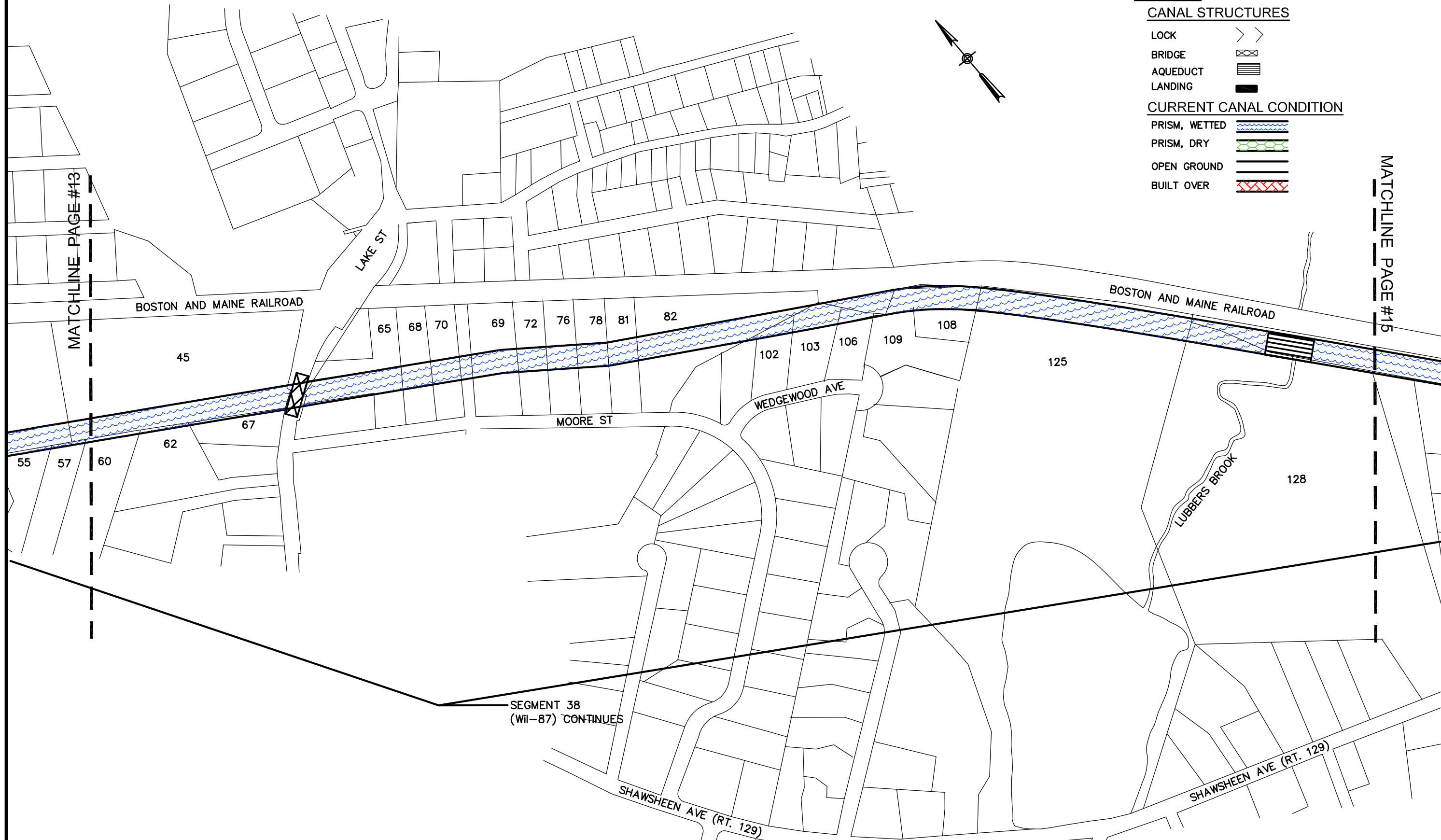
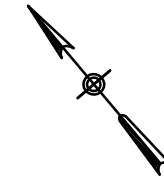
LEGEND

CANAL STRUCTURES

- LOCK >>
- BRIDGE 
- AQUEDUCT 
- LANDING 

CURRENT CANAL CONDITION

- PRISM, WETTED 
- PRISM, DRY 
- OPEN GROUND 
- BUILT OVER 



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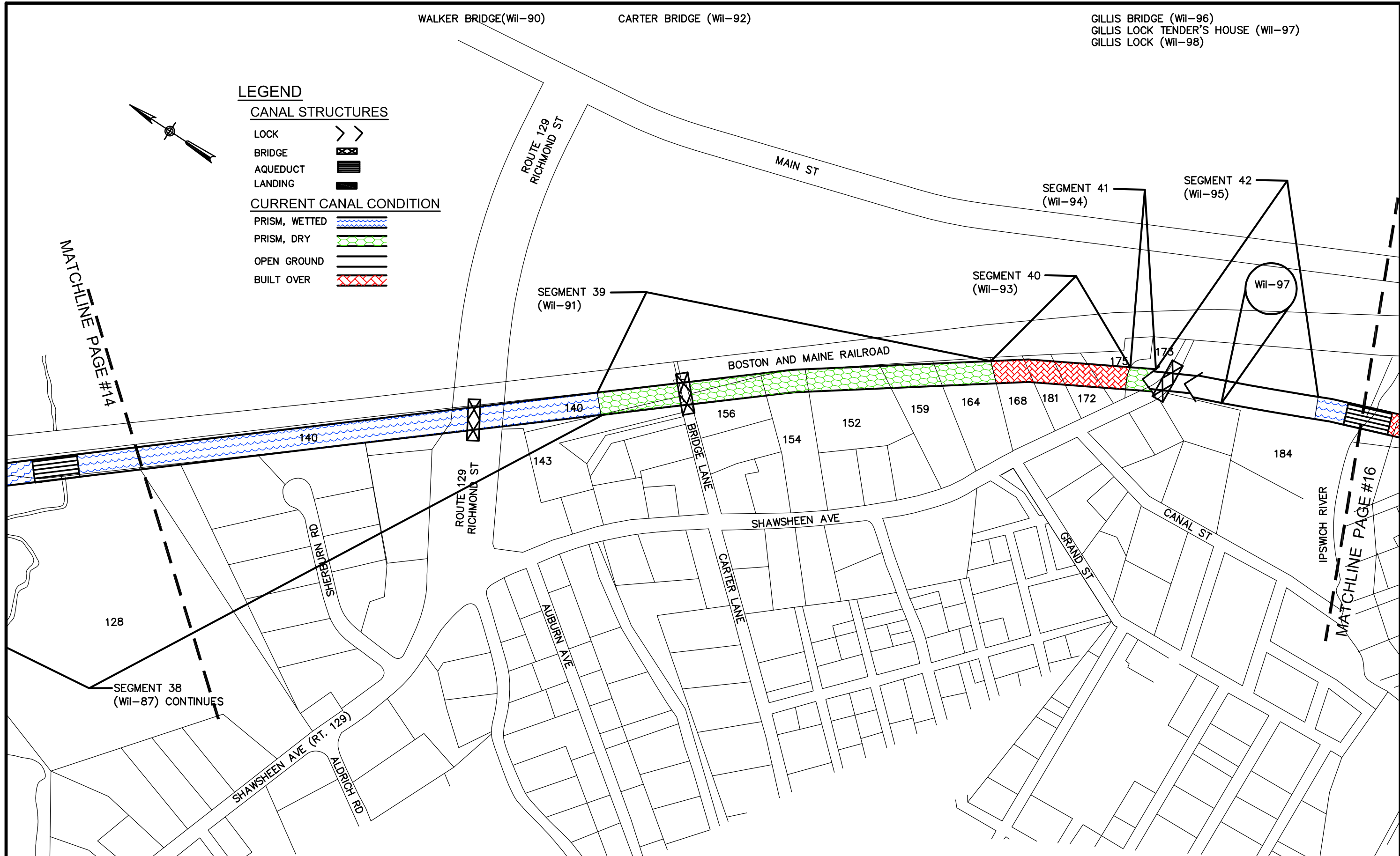
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THE NORTHERN MIDDLESEX COUNCIL OF GOVERNMENT
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SCALE:
1"=300'
FILENAME:
1386
DATE:
7/15/08

WILMINGTON 2

PAGE #14



LEGEND

CANAL STRUCTURES

- LOCK >>
- BRIDGE [cross-hatch symbol]
- AQUEDUCT [horizontal lines symbol]
- LANDING [solid black rectangle symbol]

CURRENT CANAL CONDITION

- PRISM, WETTED [blue wavy lines symbol]
- PRISM, DRY [green wavy lines symbol]
- OPEN GROUND [horizontal lines symbol]
- BUILT OVER [red cross-hatch symbol]



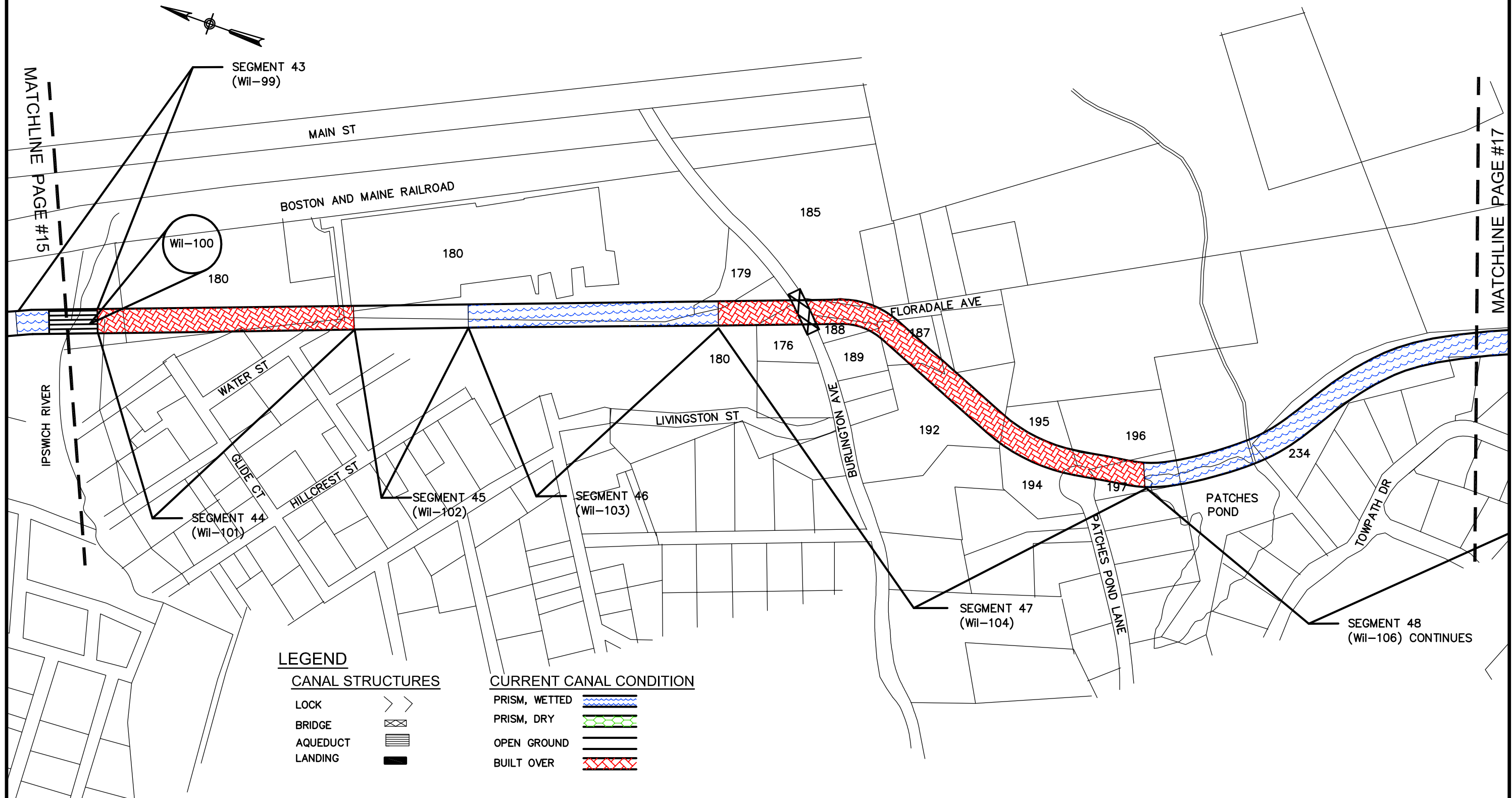
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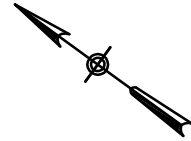
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WILMINGTON 4

BUTTERS ROW BRIDGE (Wil-108)

MAPLE MEADOW AQUEDUCT (Wil-110)
TOW-LINE GROOVED BOULDER (Wil-111)



MAIN ST

Wil-111

TOWN

Wil-110

PARK

OX BOW

237

234

MAPLE MEADOW BROOK

SEGMENT 49
(Wil-109)

BELVIDERE ST

BUTTERS ROW

SEGMENT 48
(Wil-106) CONTINUES

Wil-108

LEGEND

CANAL STRUCTURES

- LOCK >>
- BRIDGE
- AQUEDUCT
- LANDING

CURRENT CANAL CONDITION

- PRISM, WETTED
- PRISM, DRY
- OPEN GROUND
- BUILT OVER

MATCHLINE PAGE #16

MATCHLINE PAGE #18



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WILMINGTON 5

PAGE #17

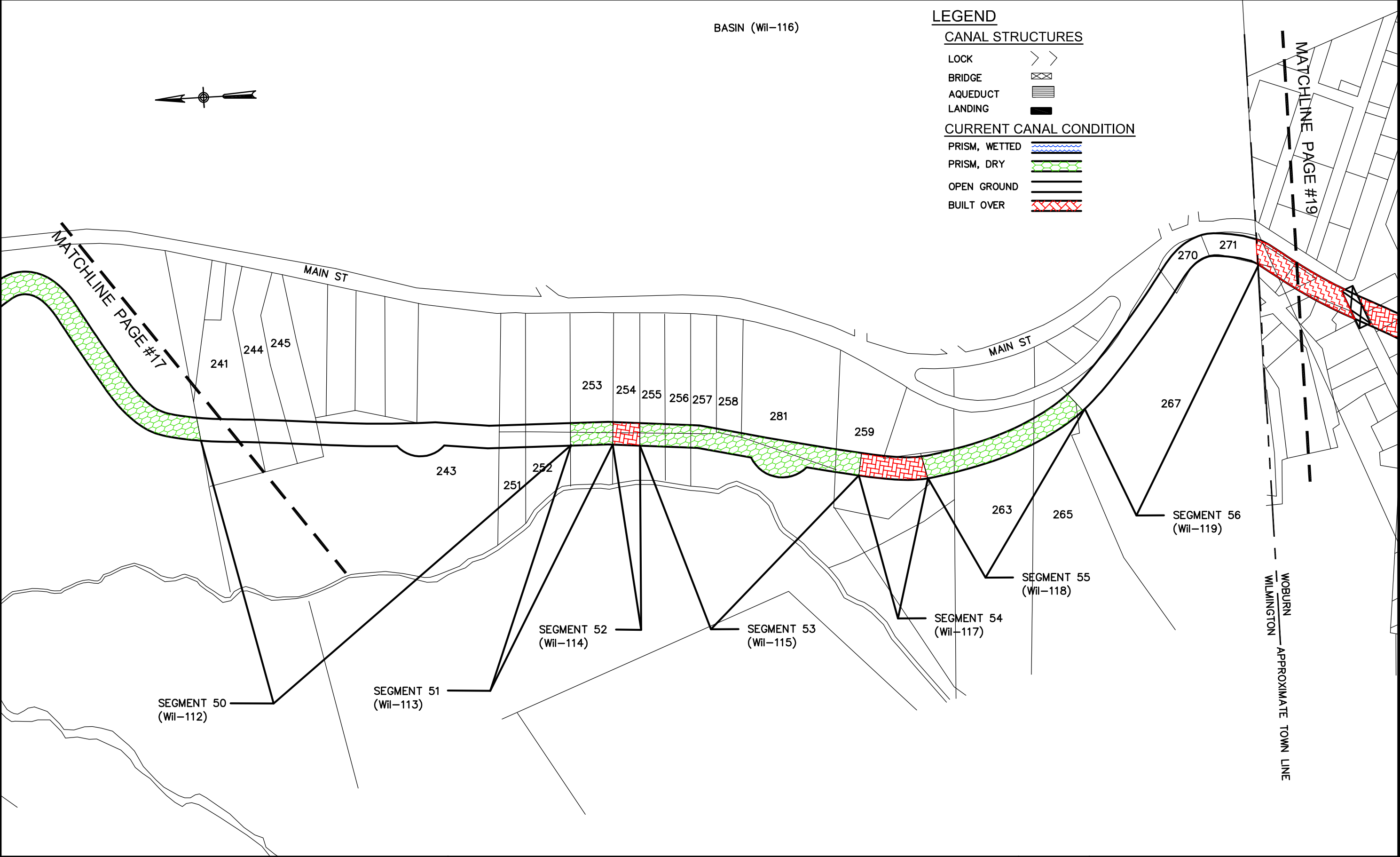
LEGEND

CANAL STRUCTURES

- LOCK > >
- BRIDGE [Symbol]
- AQUEDUCT [Symbol]
- LANDING [Symbol]

CURRENT CANAL CONDITION

- PRISM, WETTED [Symbol]
- PRISM, DRY [Symbol]
- OPEN GROUND [Symbol]
- BUILT OVER [Symbol]



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DATE:
7/15/08

WILMINGTON 6

TAY BRIDGE (Wo-121)

BRICK CULVERT SITE (Wo-122)

LYMAN SITE BRIDGE (Wo-123)

BUXTON BRIDGE (Wo-124)

TOW PATH BRIDGE SITE (Wo-125)

BRICK CULVERT SITE (Wo-127)

EATON BRIDGE (Wo-129)

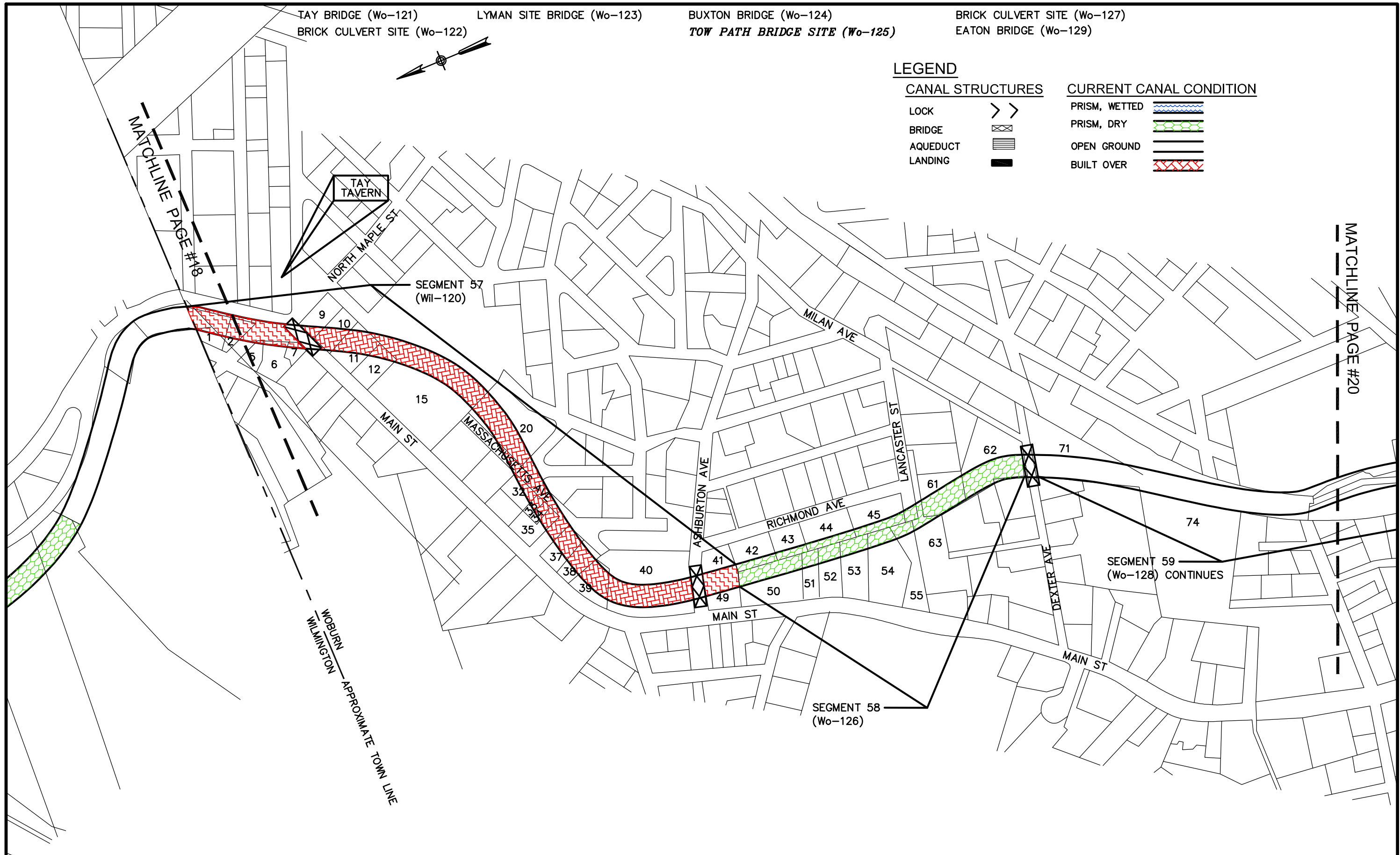
LEGEND

CANAL STRUCTURES

LOCK	> >
BRIDGE	⊠
AQUEDUCT	▨
LANDING	■

CURRENT CANAL CONDITION

PRISM, WETTED	
PRISM, DRY	
OPEN GROUND	
BUILT OVER	



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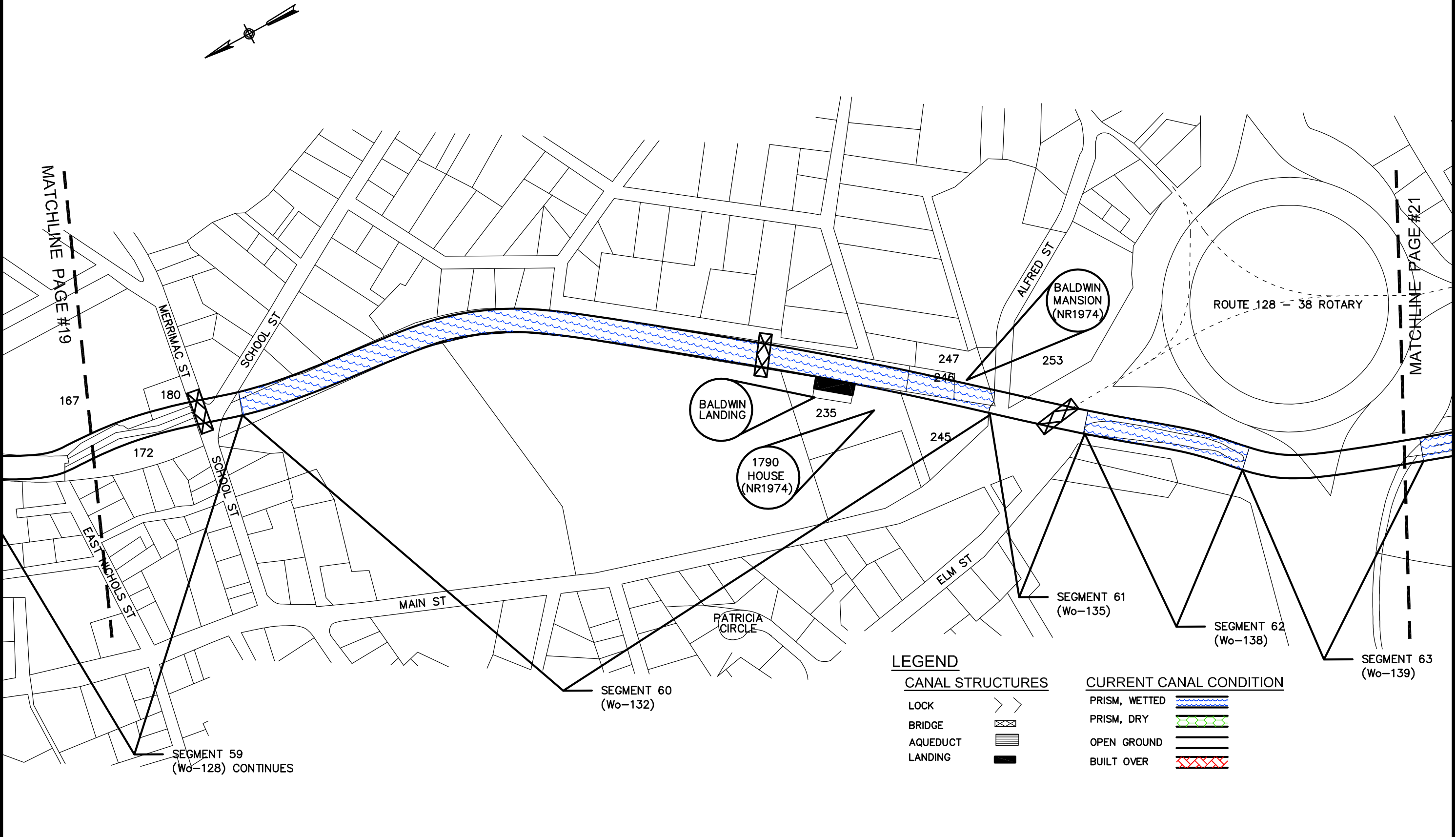
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WOBURN 1

PAGE #19



LEGEND

CANAL STRUCTURES		CURRENT CANAL CONDITION	
LOCK	> >	PRISM, WETTED	
BRIDGE		PRISM, DRY	
AQUEDUCT		OPEN GROUND	
LANDING		BUILT OVER	



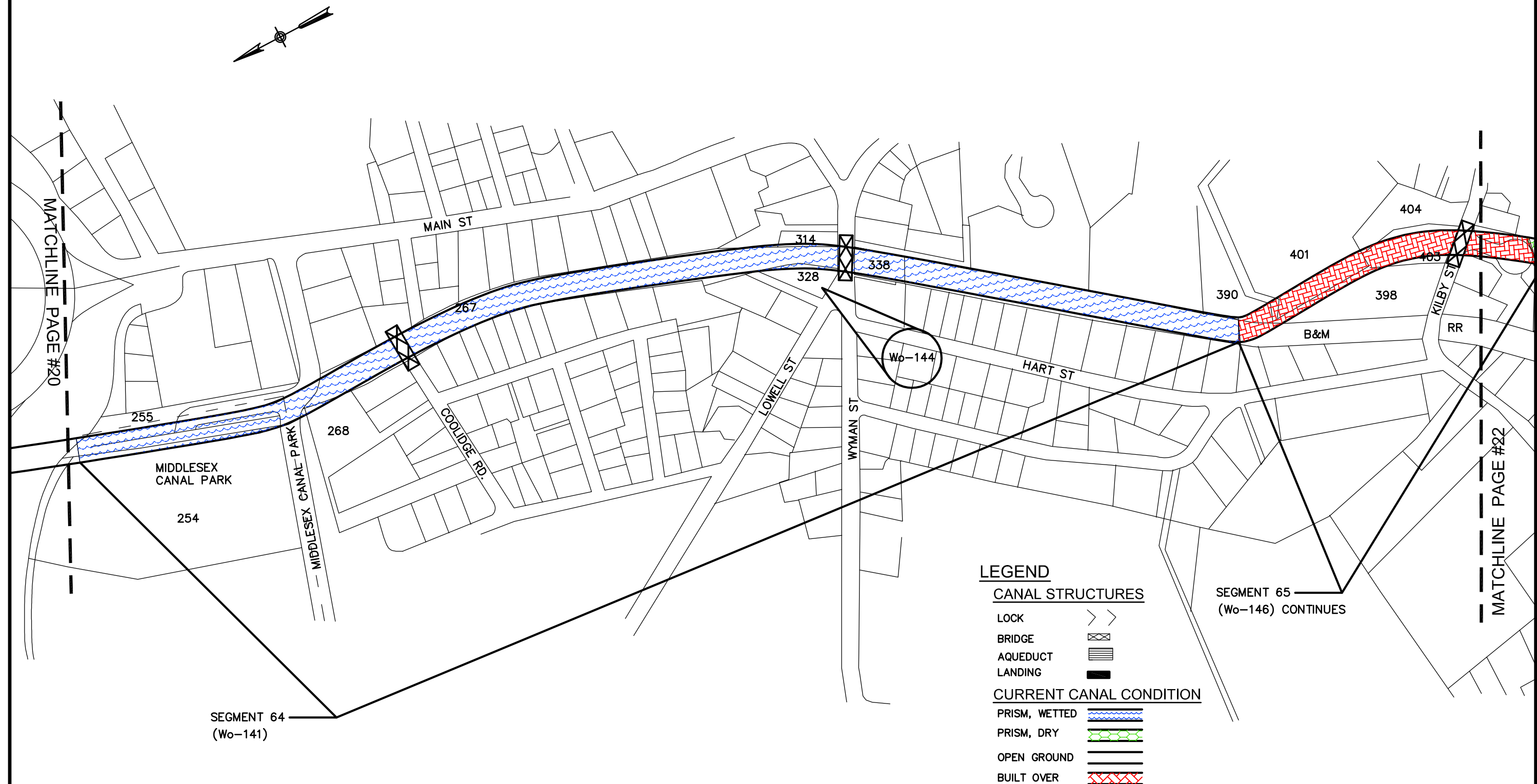
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DATE:
7/15/08

WOBURN 3

PAGE #21

CA. 1820 HOUSE (Wo-157)
AT 1 WARREN AVE.

CA.1830 HOUSE (Wo-158)
AT 6 ARLINGTON RD.

CA.1840 HOUSE (Wo-159)
AT 22 ARLINGTON RD.

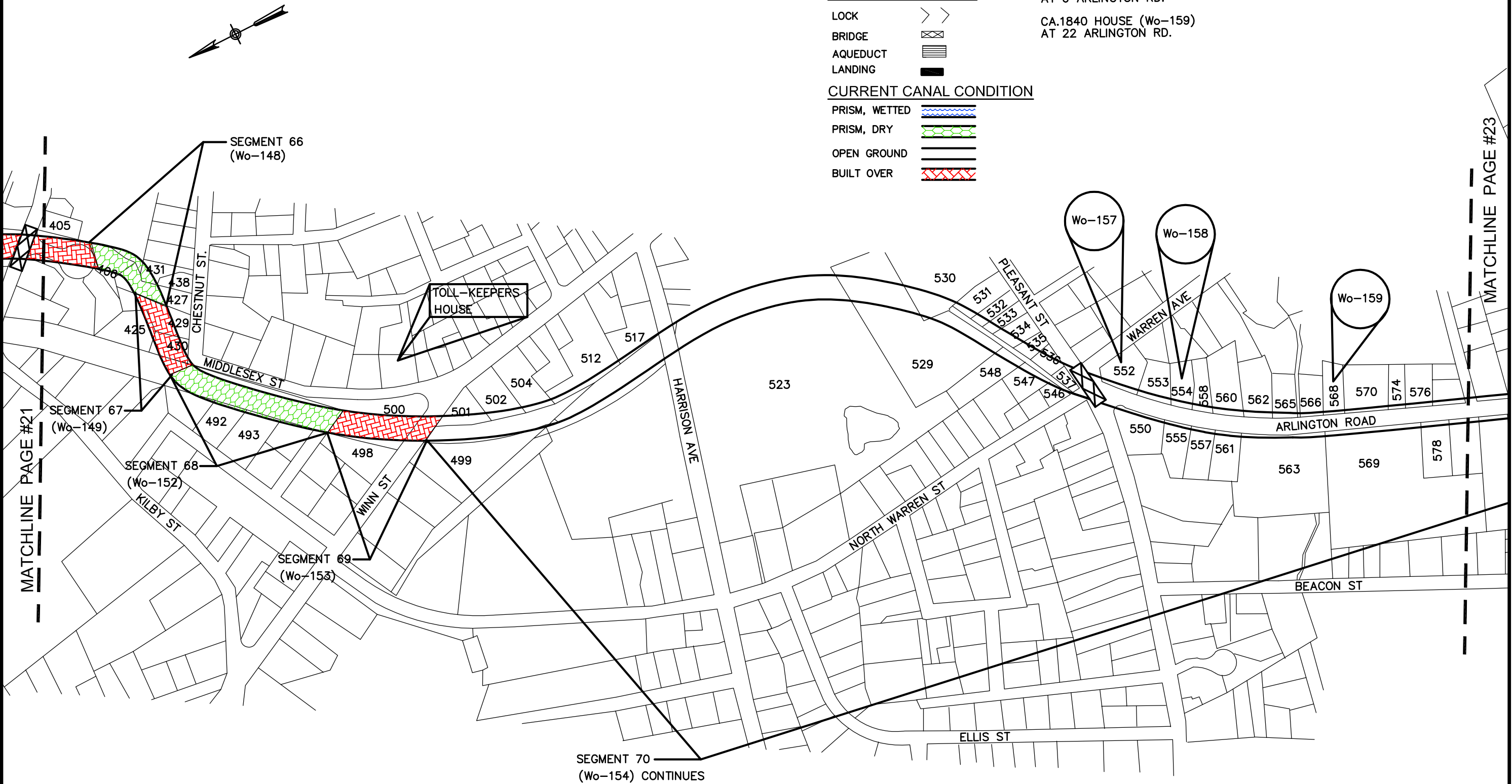
LEGEND

CANAL STRUCTURES

- LOCK > >
- BRIDGE
- AQUEDUCT
- LANDING

CURRENT CANAL CONDITION

- PRISM, WETTED
- PRISM, DRY
- OPEN GROUND
- BUILT OVER



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WOBURN 4

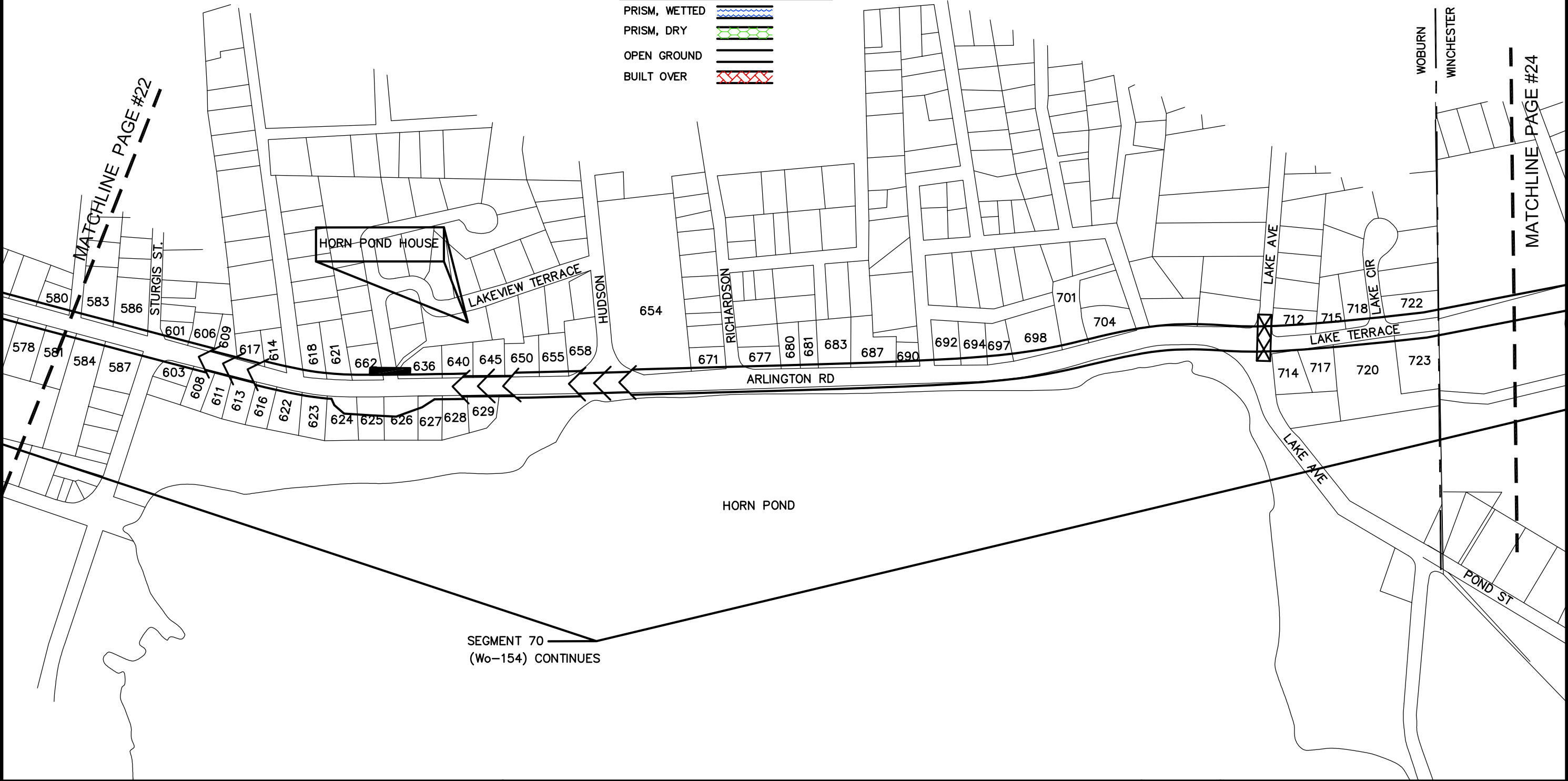
LEGEND

CANAL STRUCTURES

- LOCK > >
- BRIDGE
- AQUEDUCT
- LANDING

CURRENT CANAL CONDITION

- PRISM, WETTED
- PRISM, DRY
- OPEN GROUND
- BUILT OVER



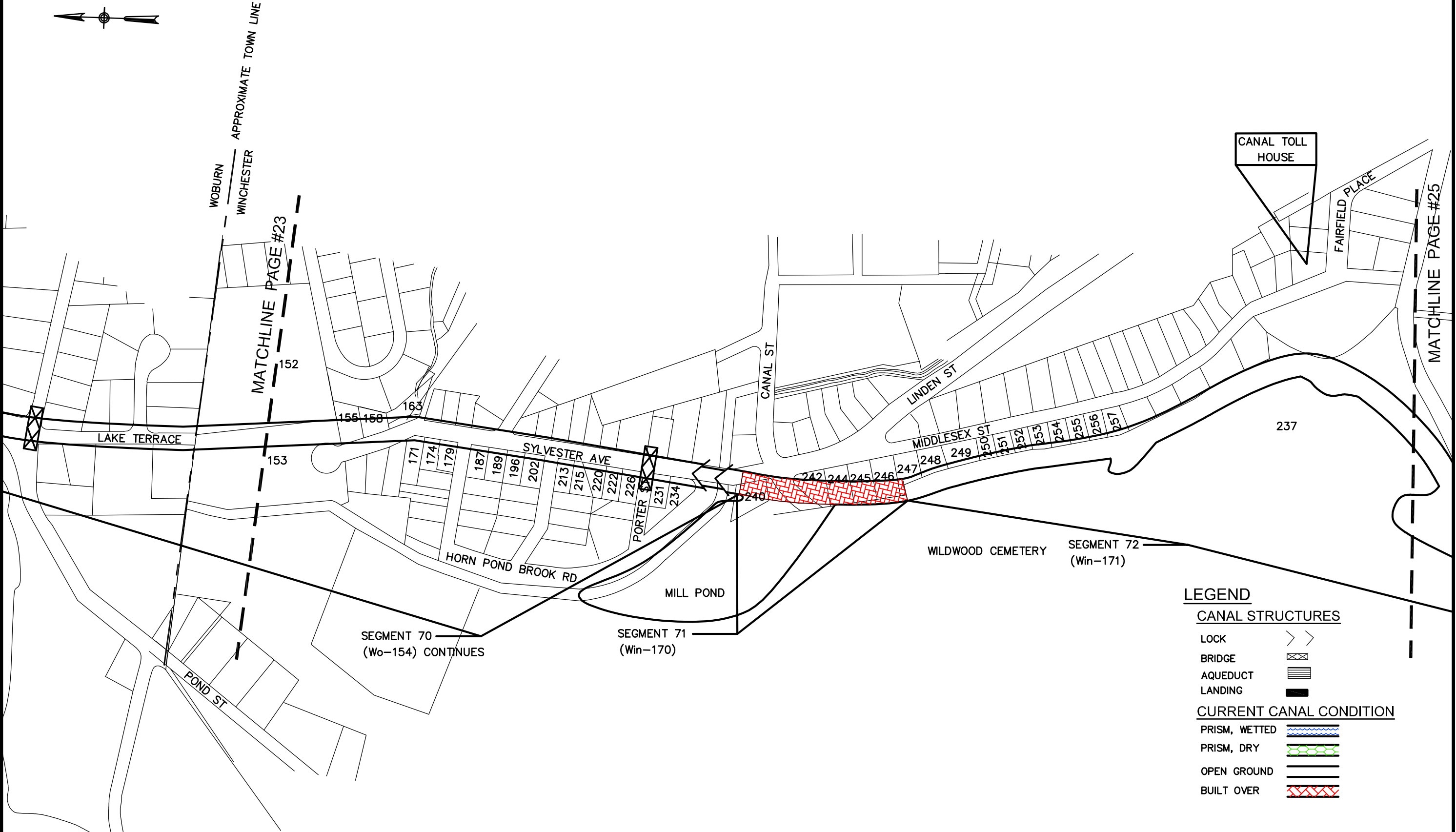
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WOBURN 5



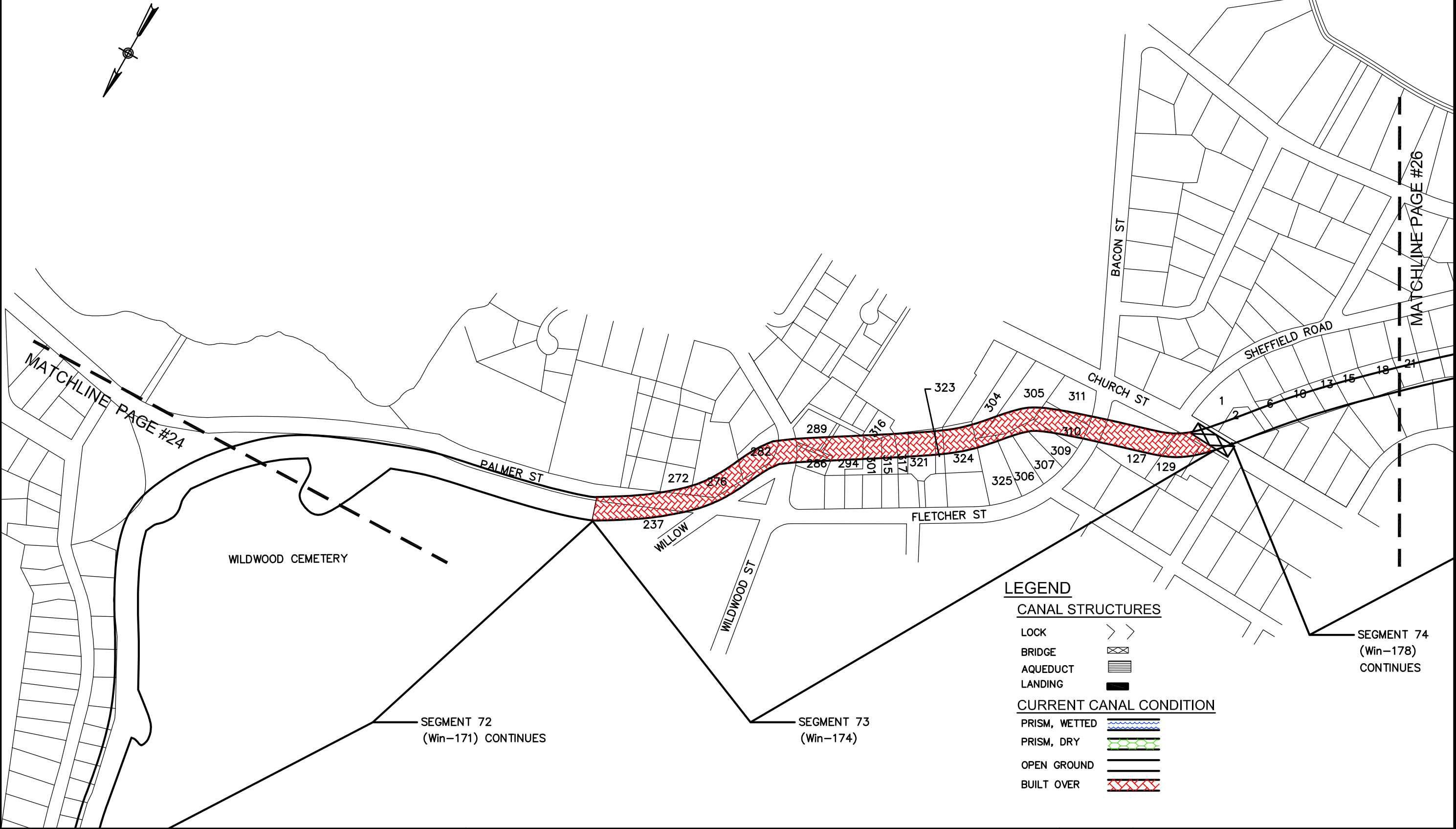
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WINCHESTER 1



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WINCHESTER 2

POSSIBLE CANAL EARTHWORKS (Win-179)

GARDNER LOCKS 1 AND 2
(Win-180, Win-181)
ACCOMMODATION BRIDGE SITE (Win-183)
POSSIBLE CANAL EARTHWORKS (Win-184)

SYMMES RIVER AQUEDUCT (Win-185)




FOUNDATIONS (Win-187)

BASIN (Win-188)





MEDFORD POND BRICK CULVERT SITE (Win-189)

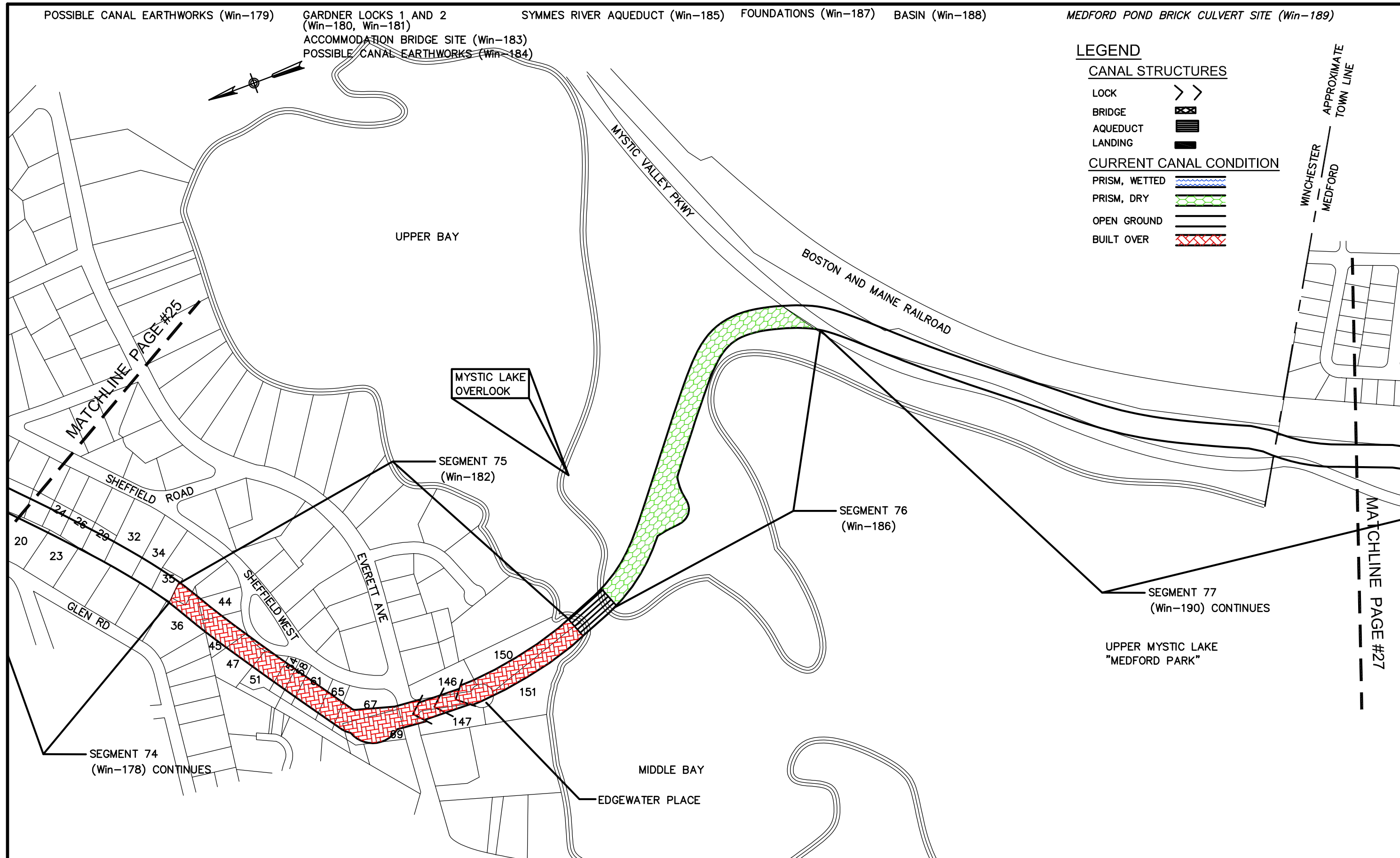
LEGEND

CANAL STRUCTURES

LOCK >>
BRIDGE 
AQUEDUCT 
LANDING 

CURRENT CANAL CONDITION

PRISM, WETTED 
PRISM, DRY 
OPEN GROUND 
BUILT OVER 



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WINCHESTER 3

PAGE #26



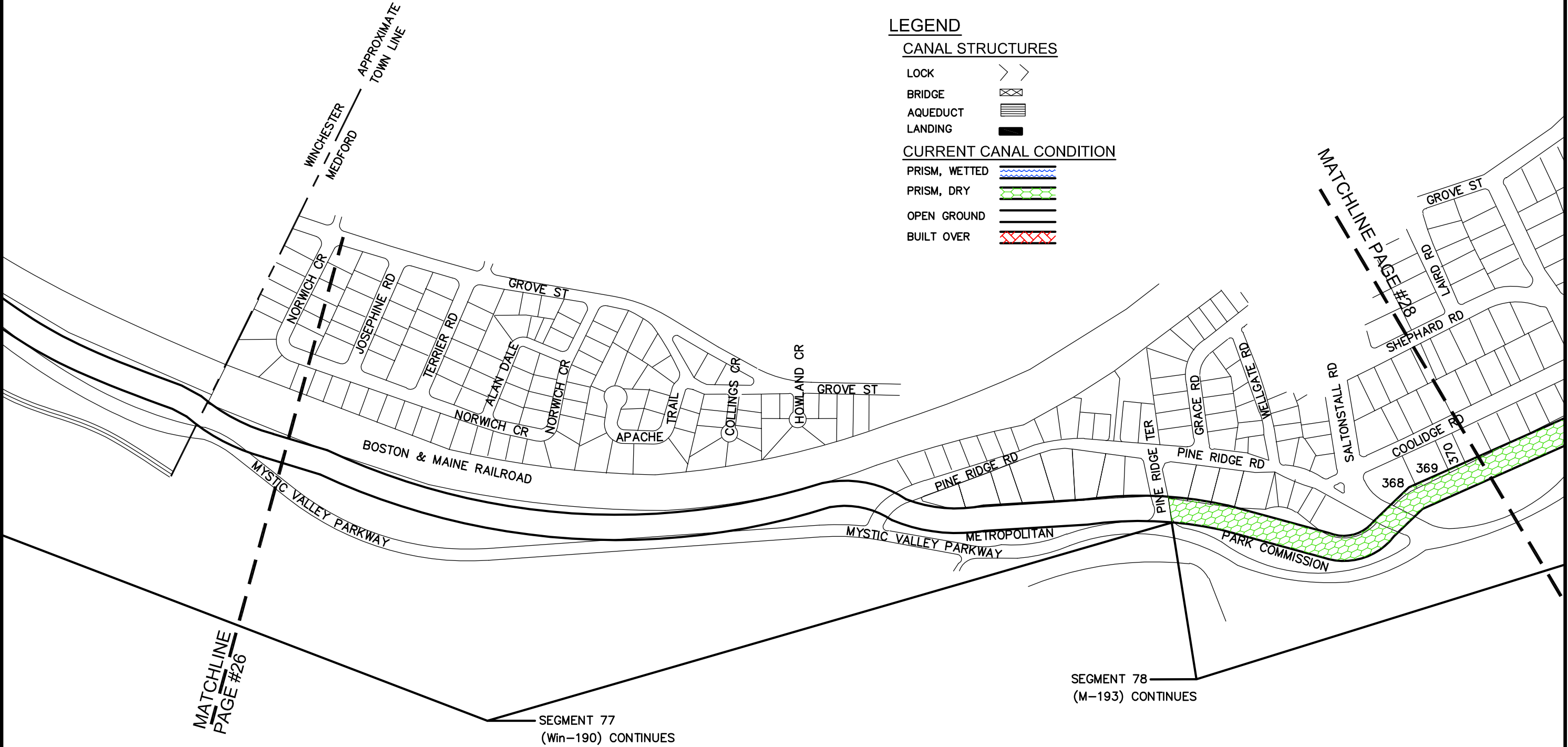
LEGEND

CANAL STRUCTURES

- LOCK > >
- BRIDGE
- AQUEDUCT
- LANDING

CURRENT CANAL CONDITION

- PRISM, WETTED
- PRISM, DRY
- OPEN GROUND
- BUILT OVER



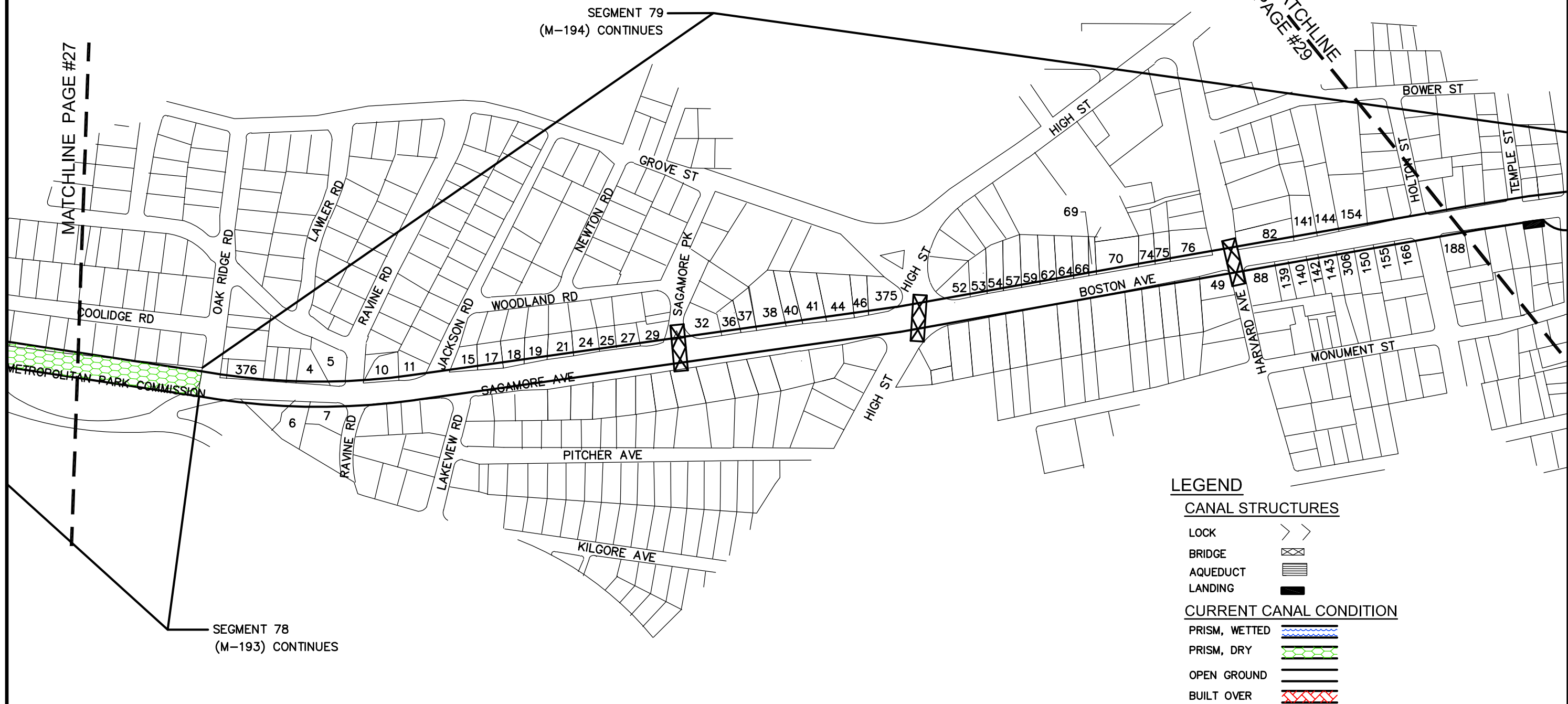
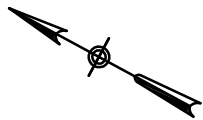
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DATE:
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MEDFORD 1



LEGEND

CANAL STRUCTURES

LOCK >>

BRIDGE X

AQUEDUCT |||

LANDING ■

CURRENT CANAL CONDITION

PRISM, WETTED [Blue wavy lines]

PRISM, DRY [Green hatched]

OPEN GROUND [White]

BUILT OVER [Red hatched]



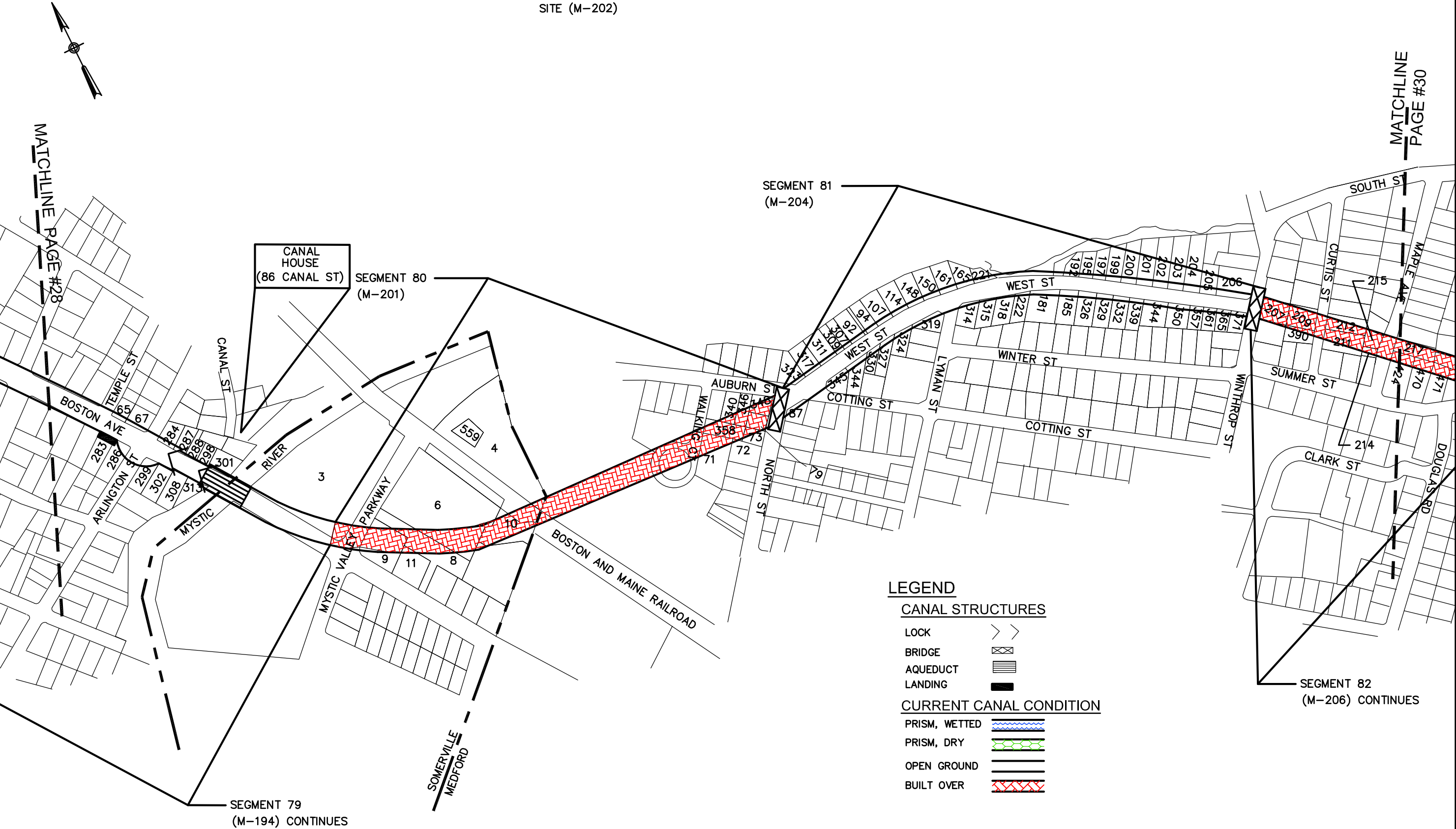
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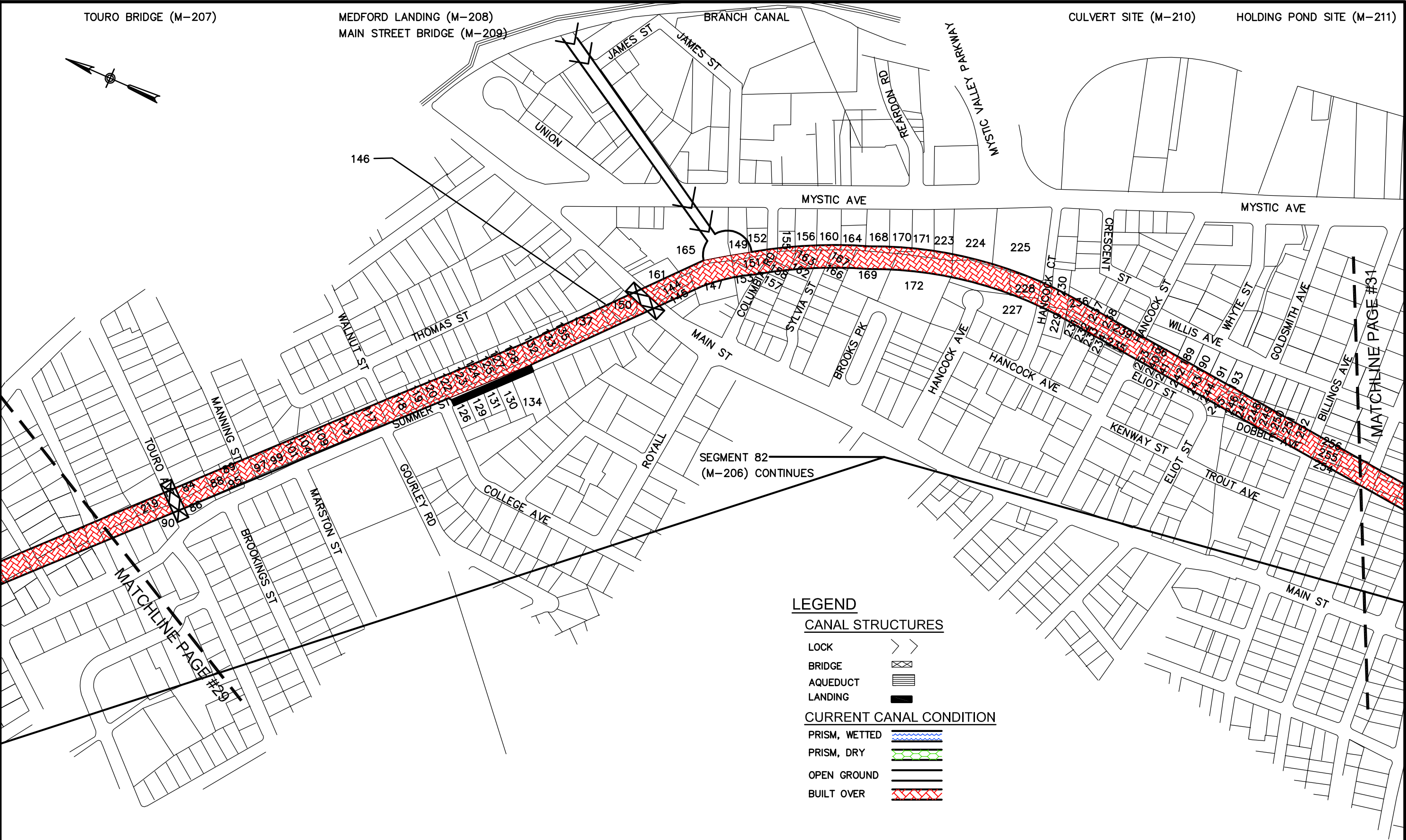
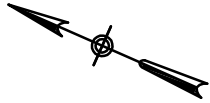
MEDFORD 3

TOURO BRIDGE (M-207)

MEDFORD LANDING (M-208)
MAIN STREET BRIDGE (M-209)

CULVERT SITE (M-210)

HOLDING POND SITE (M-211)



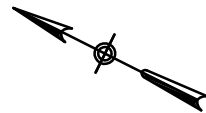
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MEDFORD 4



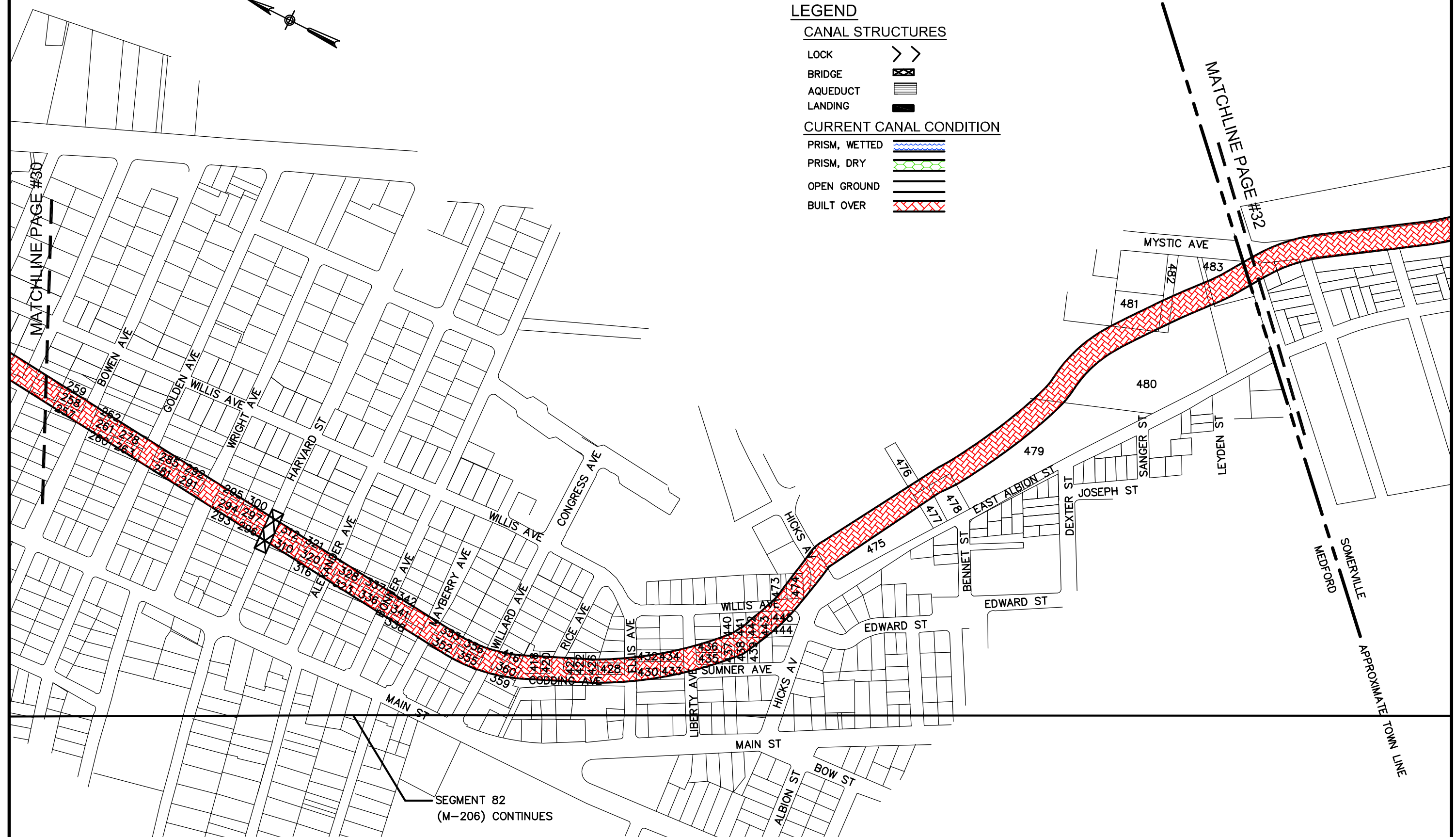
LEGEND

CANAL STRUCTURES

- LOCK >>
- BRIDGE [hatched box]
- AQUEDUCT [horizontal lines]
- LANDING [solid black box]

CURRENT CANAL CONDITION

- PRISM, WETTED [blue wavy lines]
- PRISM, DRY [green wavy lines]
- OPEN GROUND [horizontal lines]
- BUILT OVER [red hatched box]



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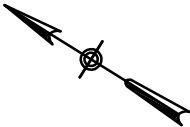
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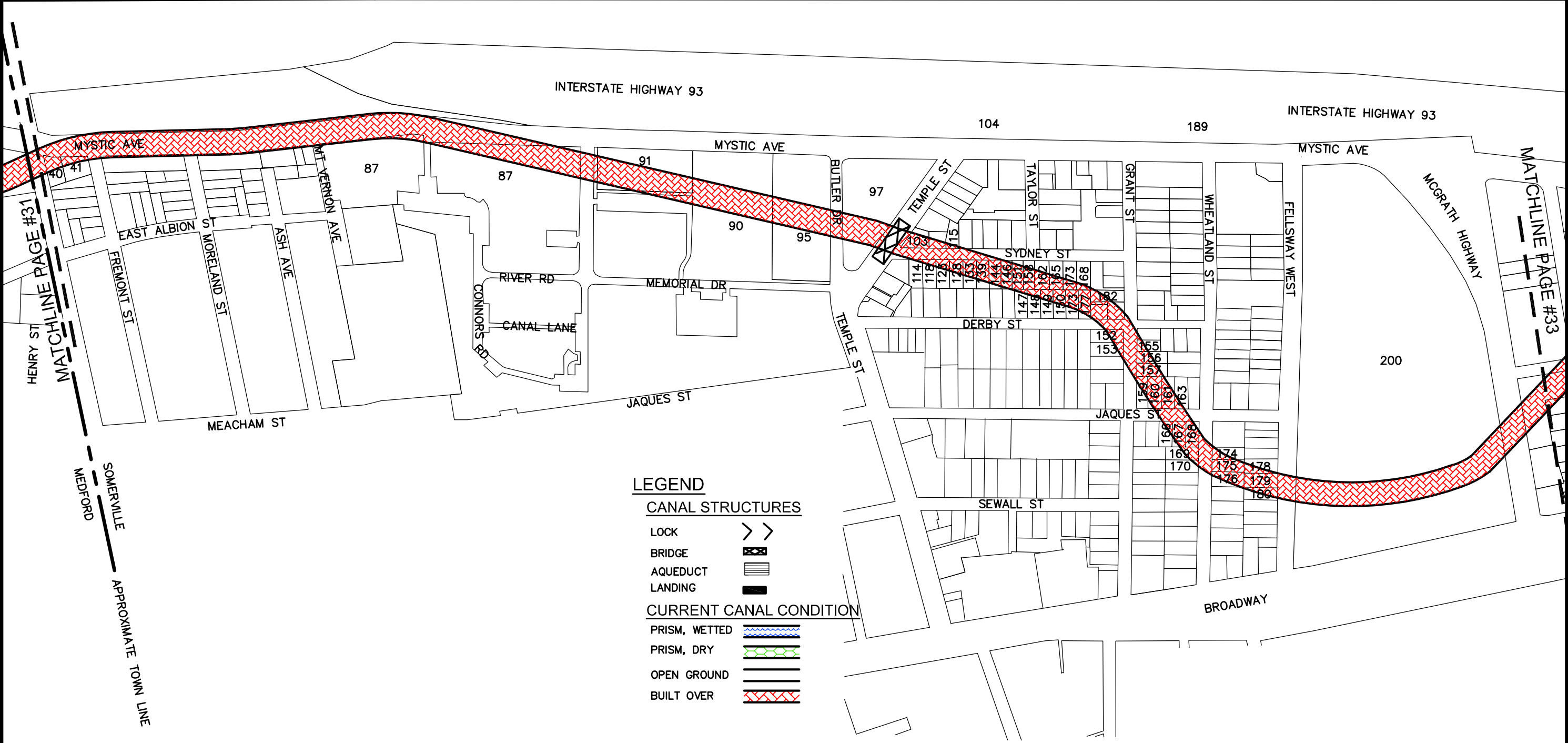
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MEDFORD 5

PAGE #31



SEGMENT 82
(M-206) CONTINUES



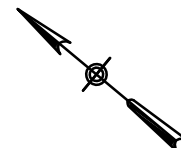
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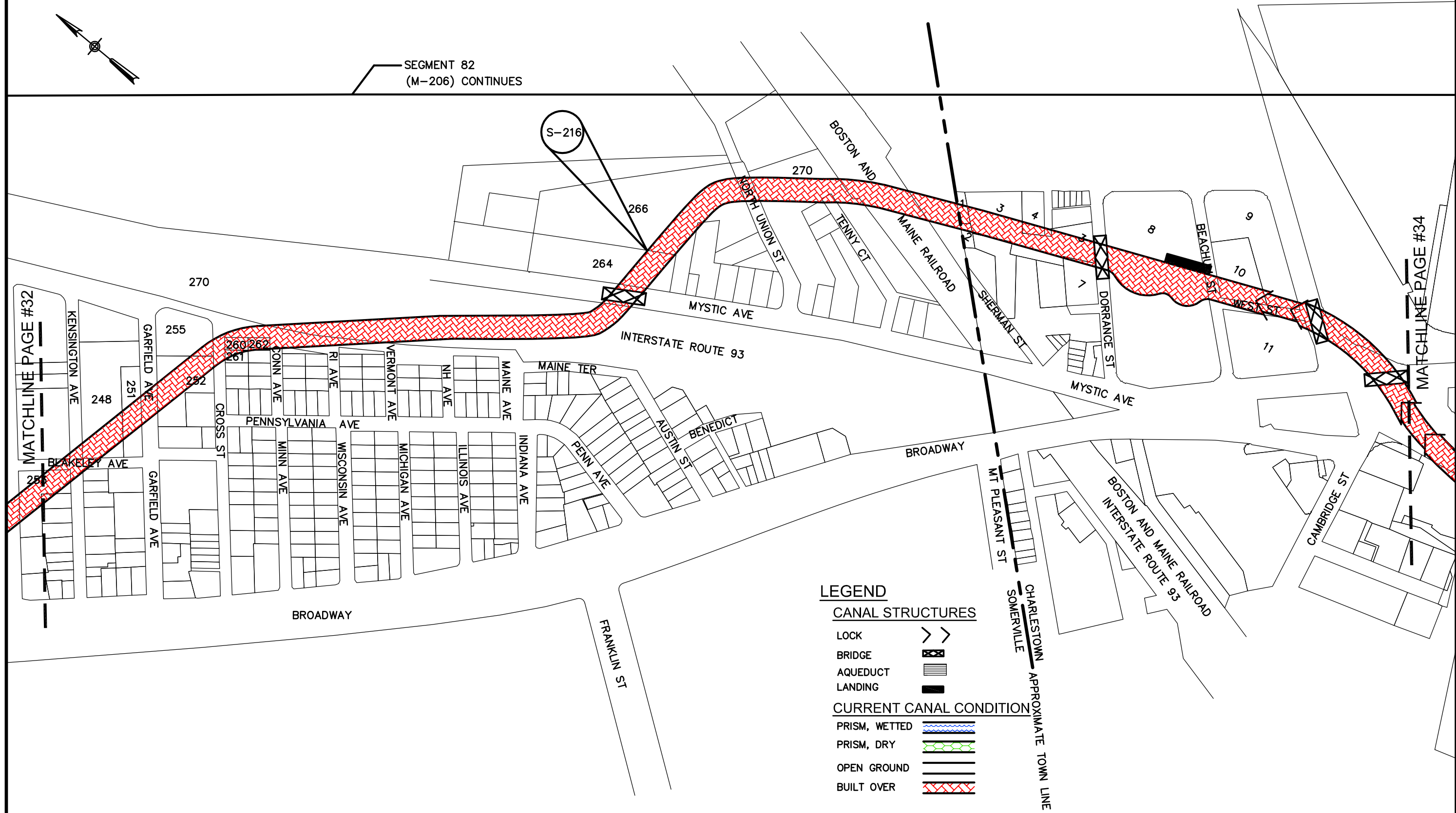
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SOMERVILLE 1



SEGMENT 82
(M-206) CONTINUES



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SOMERVILLE 2

