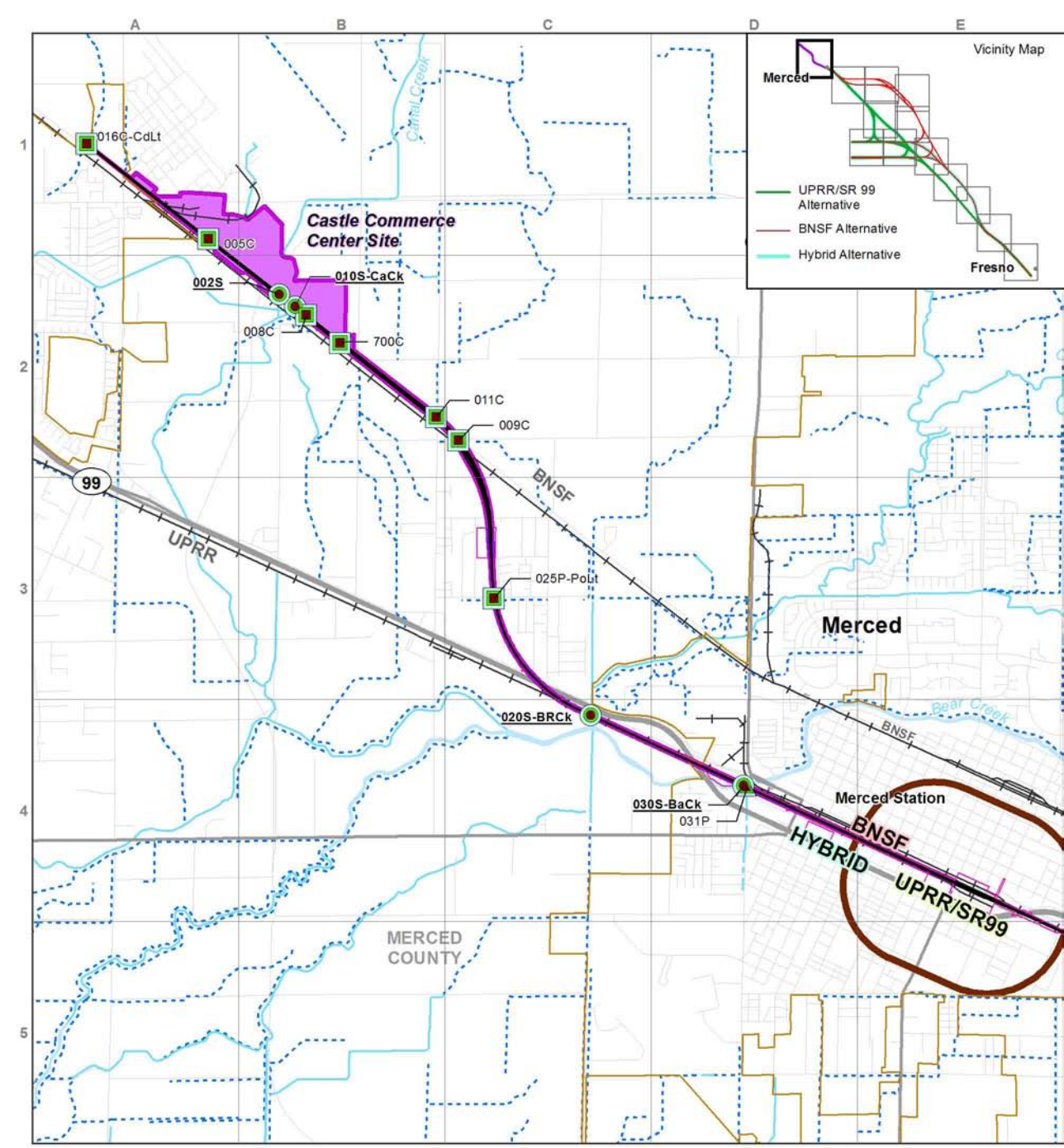
APPENDIX I

Water Crossings Maps



Source: CWD (n.d.), DeLorme (2008), Merced Irrig. Dist. (1973, 2000), USGS (2010a,b)

MF_TR_WET_15_a Jun 29, 2011

N

0 1

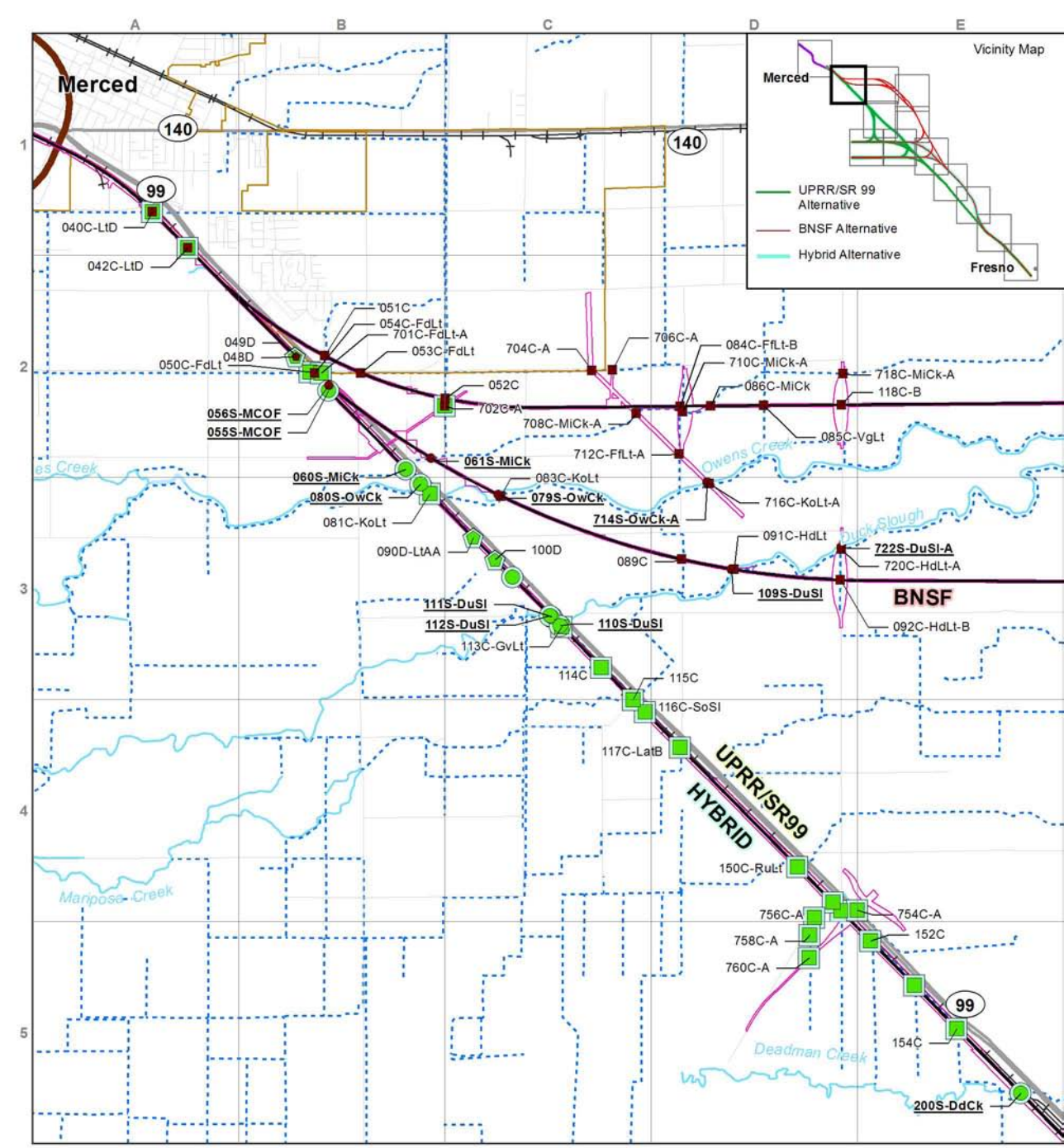
Miles

- HST Alignment
- Permanent Project Footprint
- Potential Heavy Maintenance Facility
- Station Study Area
- City Limit
- County Boundary
- Railroad
- Stream/River
- Canal/Ditch
- Pipeline

BNSF Waterbody Crossing
- **Stream/River**
- Canal
- Drainage
- Pipe

UPRR/SR 99 Waterbody Crossing
- **Stream/River**
- Canal
- Drainage
- Pipe

Hybrid Waterbody Crossing
- **Stream/River**
- Canal
- Drainage
- Pipe



Source: CWD (n.d.), DeLorme (2008), Merced Irrig. Dist. (1973, 2000), USGS (2010a,b)

MF_TR_WET_15_b Jun 29, 2011

N

0 1

Miles

- HST Alignment
- Permanent Project Footprint
- Potential Heavy Maintenance Facility
- Station Study Area
- City Limit
- County Boundary
- Railroad
- Stream/River
- Canal/Ditch
- Pipeline

BNSF Waterbody Crossing

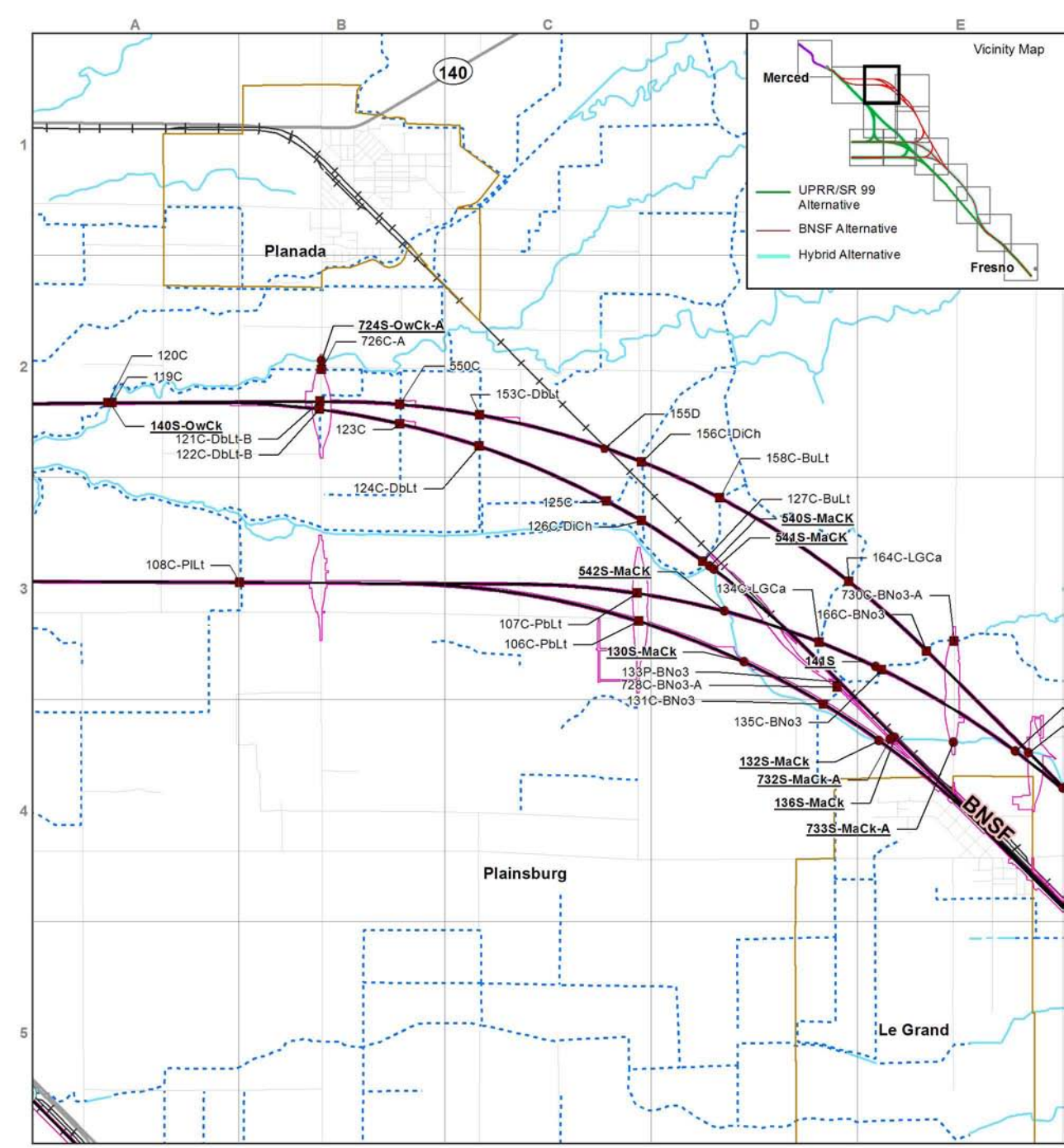
- **Stream/River**
- Canal
- Drainage
- Pipe

UPRR/SR 99 Waterbody Crossing

- **Stream/River**
- Canal
- Drainage
- Pipe

Hybrid Waterbody Crossing

- **Stream/River**
- Canal
- Drainage
- Pipe



Source: CWD (n.d.), DeLorme (2008), Merced Irrig. Dist. (1973, 2000), USGS (2010a,b)

MF_TR_WET_15_c Jun 29, 2011

N

0 1

Miles

- HST Alignment
- Permanent Project Footprint
- Potential Heavy Maintenance Facility
- Station Study Area
- City Limit
- County Boundary
- Railroad
- Stream/River
- Canal/Ditch
- Pipeline

BNSF Waterbody Crossing

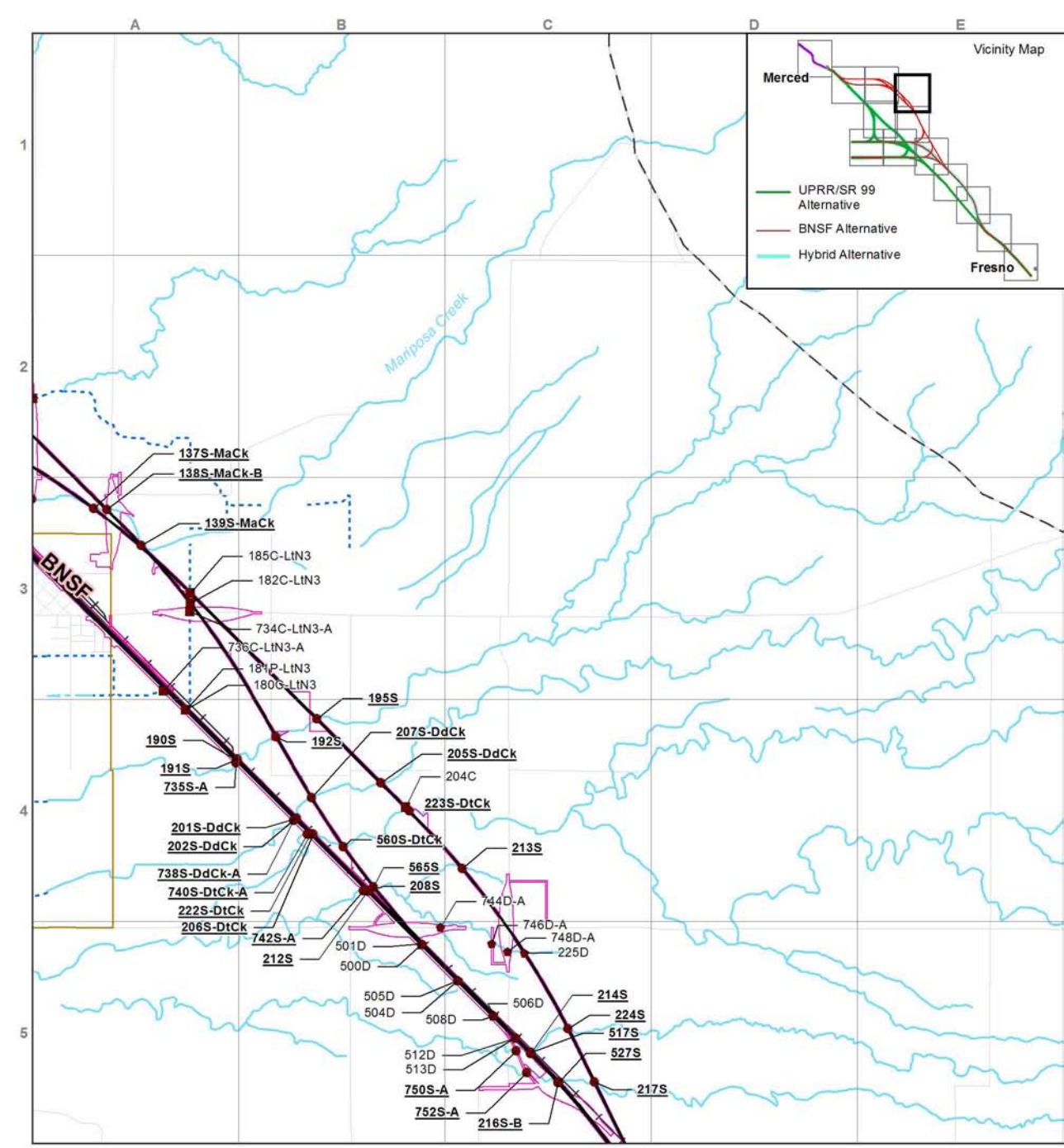
- **Stream/River**
- Canal
- Drainage
- Pipe

UPRR/SR 99 Waterbody Crossing

- **Stream/River**
- Canal
- Drainage
- Pipe

Hybrid Waterbody Crossing

- **Stream/River**
- Canal
- Drainage
- Pipe



Source: CWD (n.d.), DeLorme (2008), Merced Irrig. Dist. (1973, 2000), USGS (2010a,b)

MF_TR_WET_15_d Jun 29, 2011

N

0 1

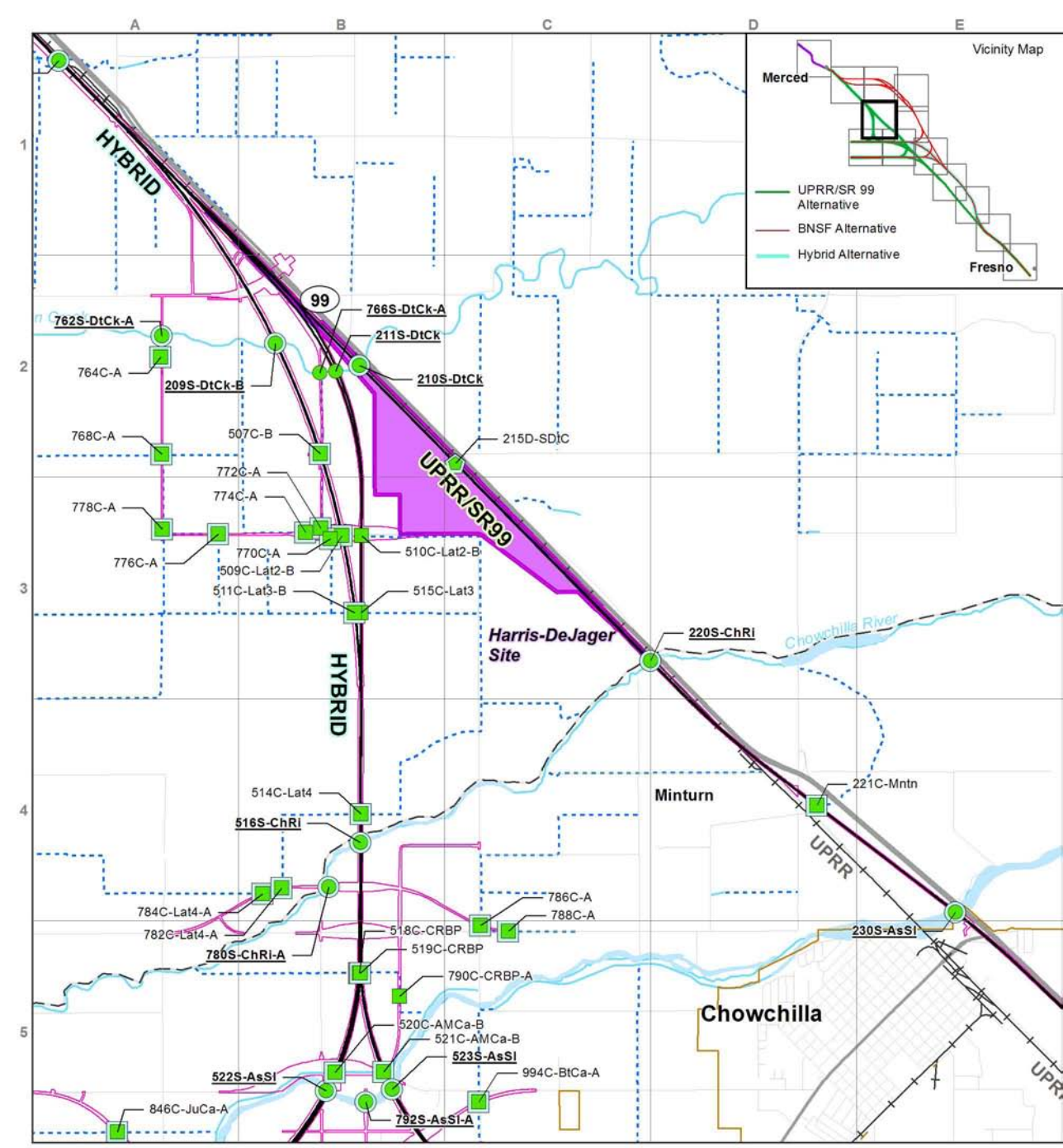
Miles

HST Alignment
Permanent Project Footprint
Potential Heavy Maintenance Facility
Station Study Area
City Limit
County Boundary
Railroad
Stream/River
Canal/Ditch
Pipeline

BNSF Waterbody Crossing
Stream/River
Canal
Drainage
Pipe

UPRR/SR 99 Waterbody Crossing
Stream/River
Canal
Drainage
Pipe

Hybrid Waterbody Crossing
Stream/River
Canal
Drainage
Pipe



Source: CWD (n.d.), DeLorme (2008), Merced Irrig. Dist. (1973, 2000), USGS (2010a,b)

MF_TR_WET_15_e Jun 29, 2011

N

0 1

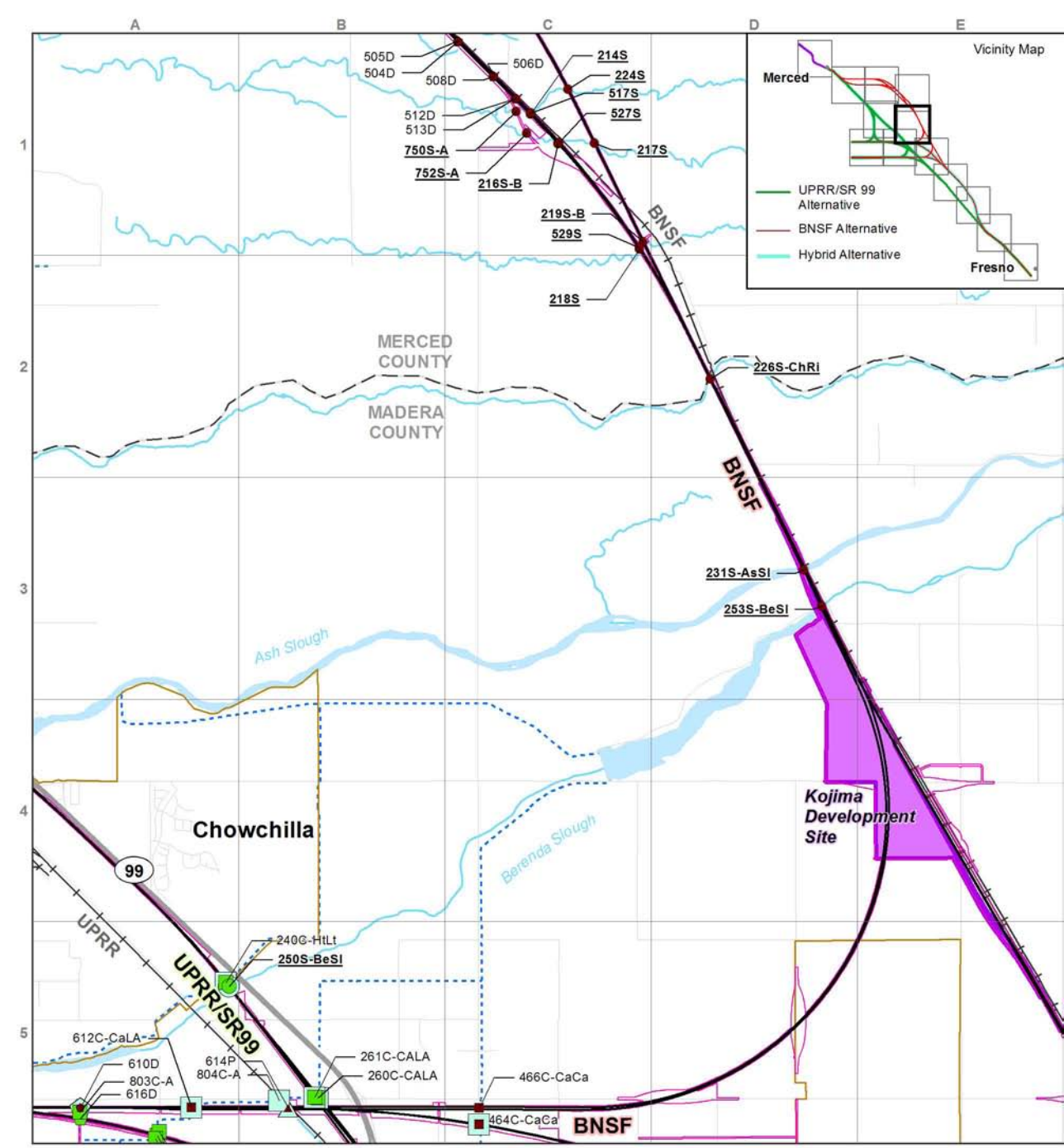
Miles

HST Alignment
Permanent Project Footprint
Potential Heavy Maintenance Facility
Station Study Area
City Limit
County Boundary
Railroad
Stream/River
Canal/Ditch
Pipeline

BNSF Waterbody Crossing
Stream/River
Canal
Drainage
Pipe

UPRR/SR 99 Waterbody Crossing
Stream/River
Canal
Drainage
Pipe

Hybrid Waterbody Crossing
Stream/River
Canal
Drainage
Pipe



Source: CWD (n.d.), DeLorme (2008), Merced Irrig. Dist. (1973, 2000), USGS (2010a,b)

MF_TR_WET_15_f Jun 29, 2011

N

0 1

Miles

- HST Alignment
- Permanent Project Footprint
- Potential Heavy Maintenance Facility
- Station Study Area
- City Limit
- County Boundary
- Railroad
- Stream/River
- Canal/Ditch
- Pipeline

BNSF Waterbody Crossing

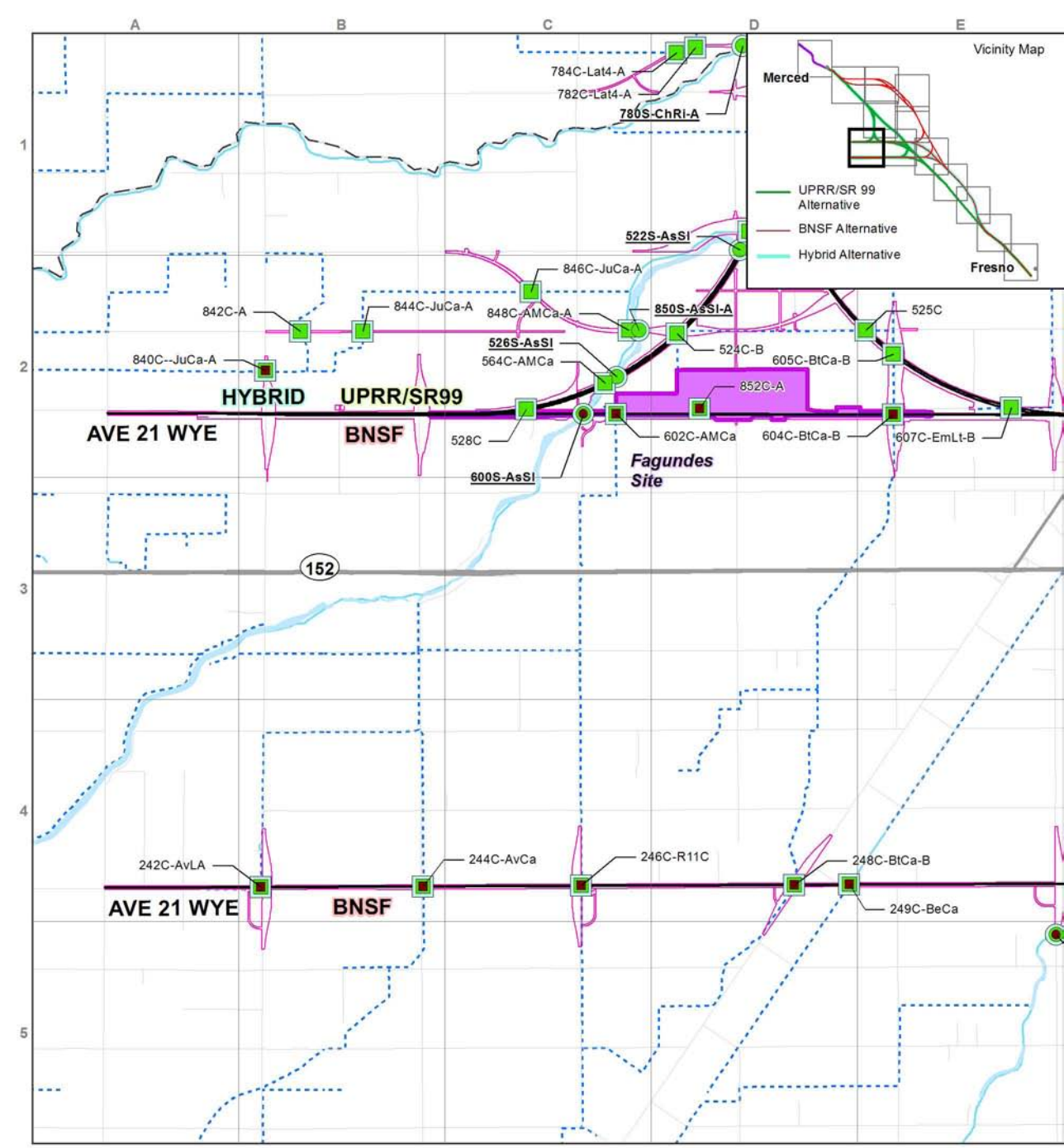
- **Stream/River**
- Canal
- Drainage
- Pipe

UPRR/SR 99 Waterbody Crossing

- **Stream/River**
- Canal
- Drainage
- Pipe

Hybrid Waterbody Crossing

- **Stream/River**
- Canal
- Drainage
- Pipe



Source: CWD (n.d.), DeLorme (2008), Merced Irrig. Dist. (1973, 2000), USGS (2010a,b)

MF_TR_WET_15_g Jun 29, 2011

N

0 1

Miles

- HST Alignment
- Permanent Project Footprint
- Potential Heavy Maintenance Facility
- Station Study Area
- City Limit
- County Boundary
- Railroad
- Stream/River
- Canal/Ditch
- Pipeline

BNSF Waterbody Crossing

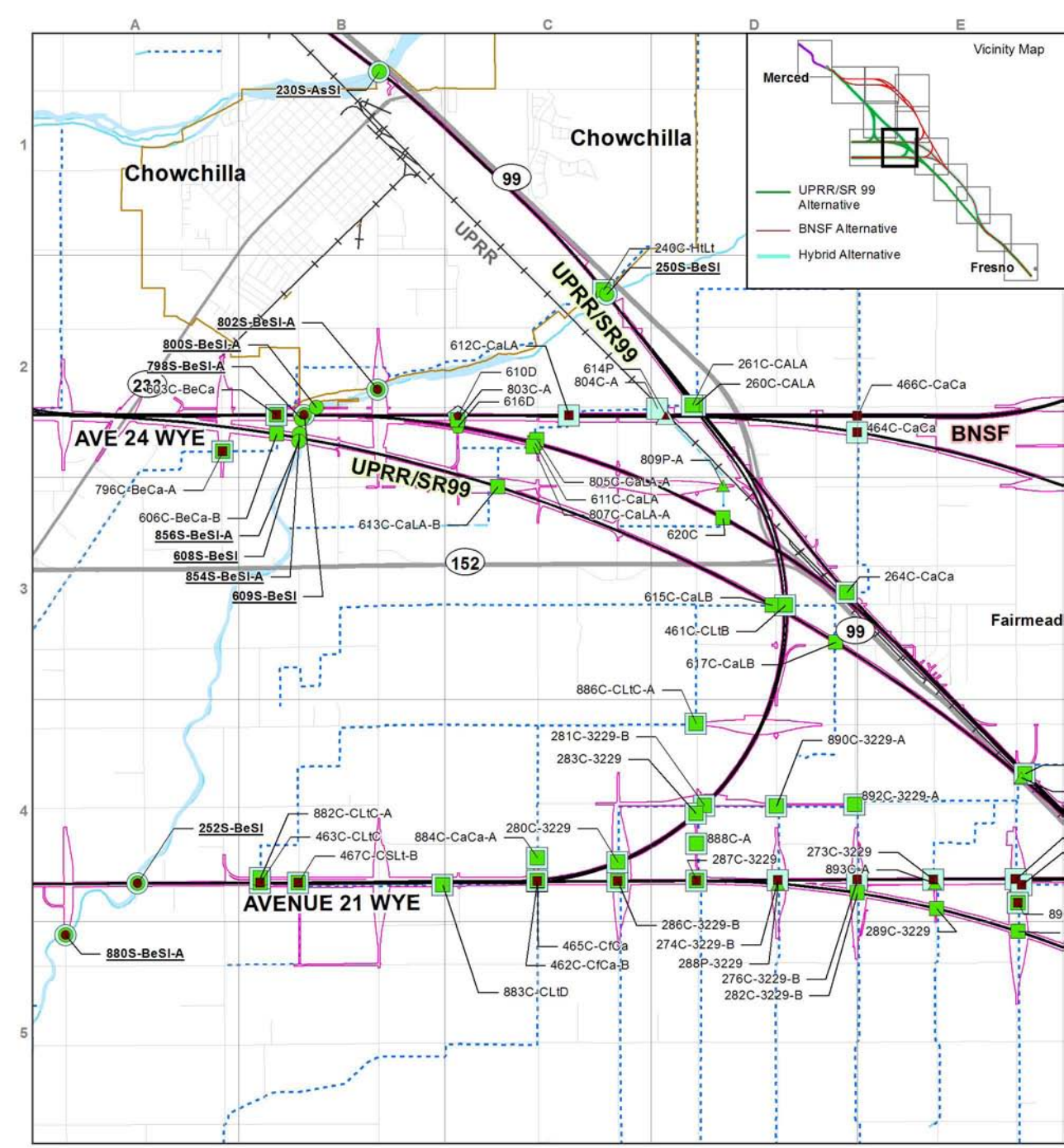
- **Stream/River**
- Canal
- Drainage
- Pipe

UPRR/SR 99 Waterbody Crossing

- **Stream/River**
- Canal
- Drainage
- Pipe

Hybrid Waterbody Crossing

- **Stream/River**
- Canal
- Drainage
- Pipe



Source: CWD (n.d.), DeLorme (2008), Merced Irrig. Dist. (1973, 2000), USGS (2010a,b)

MF_TR_WET_15_h Jun 29, 2011

N

0 1

Miles

- HST Alignment
- Permanent Project Footprint
- Potential Heavy Maintenance Facility
- Station Study Area
- City Limit
- County Boundary
- Railroad
- Stream/River
- Canal/Ditch
- Pipeline

BNSF Waterbody Crossing

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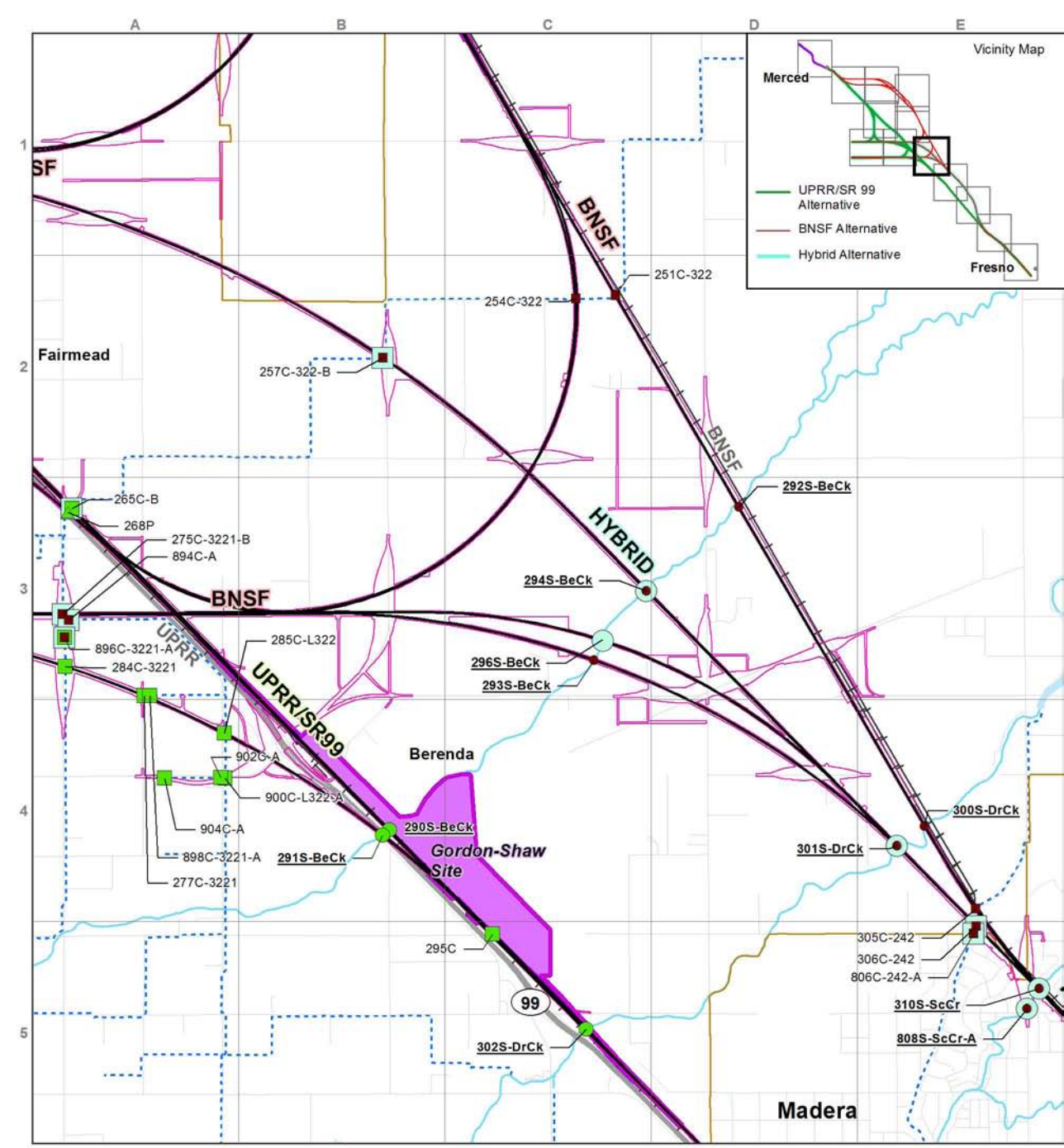
UPRR/SR 99 Waterbody Crossing

- **Stream/River**
- Canal
- Drainage
- Pipe

Hybrid Waterbody Crossing

- **Stream/River**
- Canal
- Drainage
- Pipe



Source: CWD (n.d.), DeLorme (2008), Merced Irrig. Dist. (1973, 2000), USGS (2010a,b)

MF_TR_WET_15_i Jun 29, 2011

N

0 1

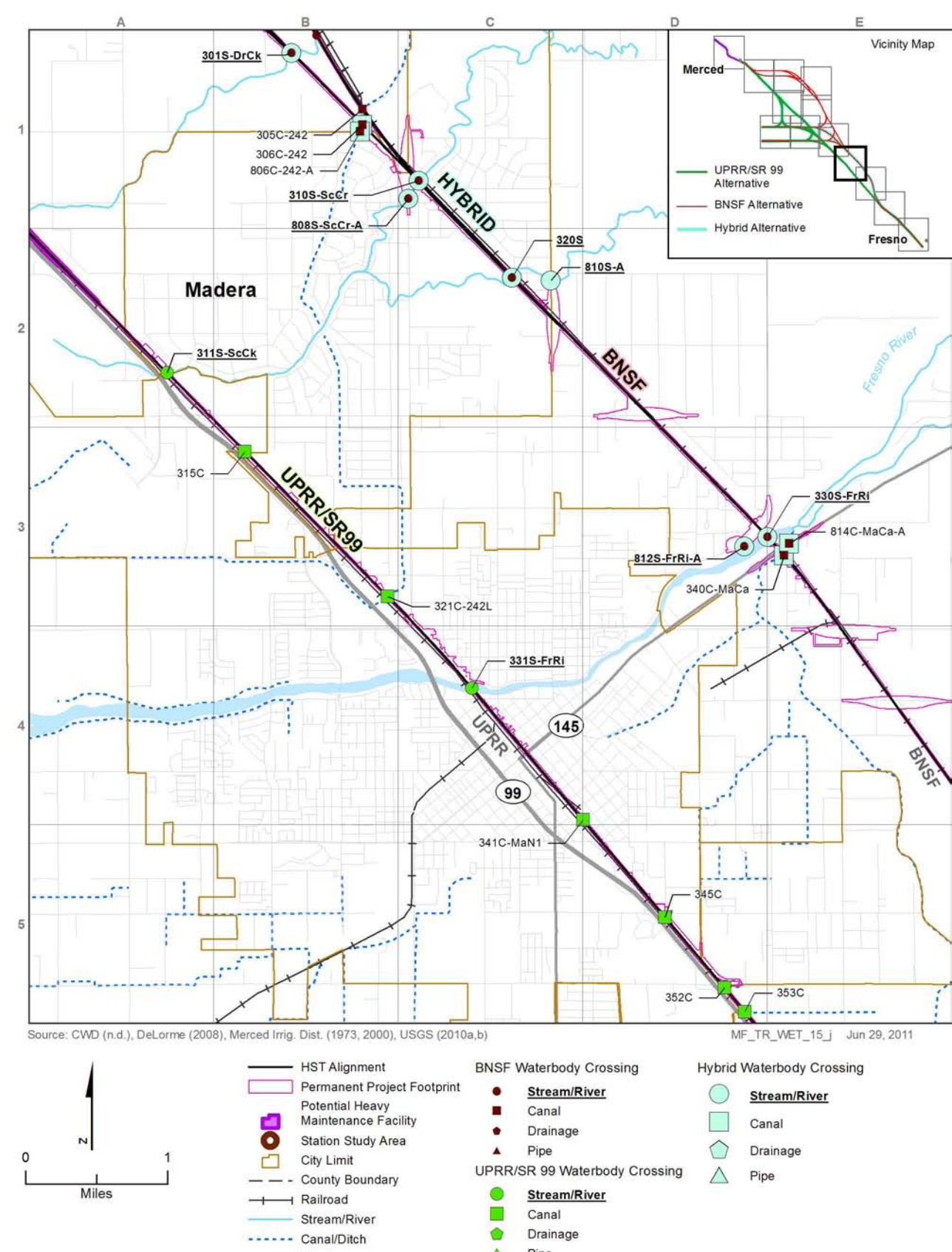
Miles

HST Alignment
Permanent Project Footprint
Potential Heavy Maintenance Facility
Station Study Area
City Limit
County Boundary
Railroad
Stream/River
Canal/Ditch
Pipeline

BNSF Waterbody Crossing
Stream/River
Canal
Drainage
Pipe

UPRR/SR 99 Waterbody Crossing
Stream/River
Canal
Drainage
Pipe

Hybrid Waterbody Crossing
Stream/River
Canal
Drainage
Pipe


A
B
C
D
E
1
2
3
4
5
Vicinity Map
Merced
Fresno
UPRR/SR 99 Alternative
BNSF Alternative
Hybrid Alternative
301S-DrCk
305C-242
306C-242
806C-242-A
310S-ScCr
808S-ScCr-A
HYBRID
320S
810S-A
Madera
311S-ScCk
315C
UPRR/SR99
BNSF
Fresno River
330S-FrRi
814C-MaCa-A
812S-FrRi-A
340C-MaCa
321C-242L
331S-FrRi
UPRR
145
99
341C-MaN1
345C
352C
353C
BNSF
Source: CWD (n.d.), DeLorme (2008), Merced Irrig. Dist. (1973, 2000), USGS (2010a,b)
MF_TR_WET_15_j Jun 29, 2011
N
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1
Miles
HST Alignment
Permanent Project Footprint
Potential Heavy Maintenance Facility
Station Study Area
City Limit
County Boundary
Railroad
Stream/River
Canal/Ditch
Pipeline
BNSF Waterbody Crossing
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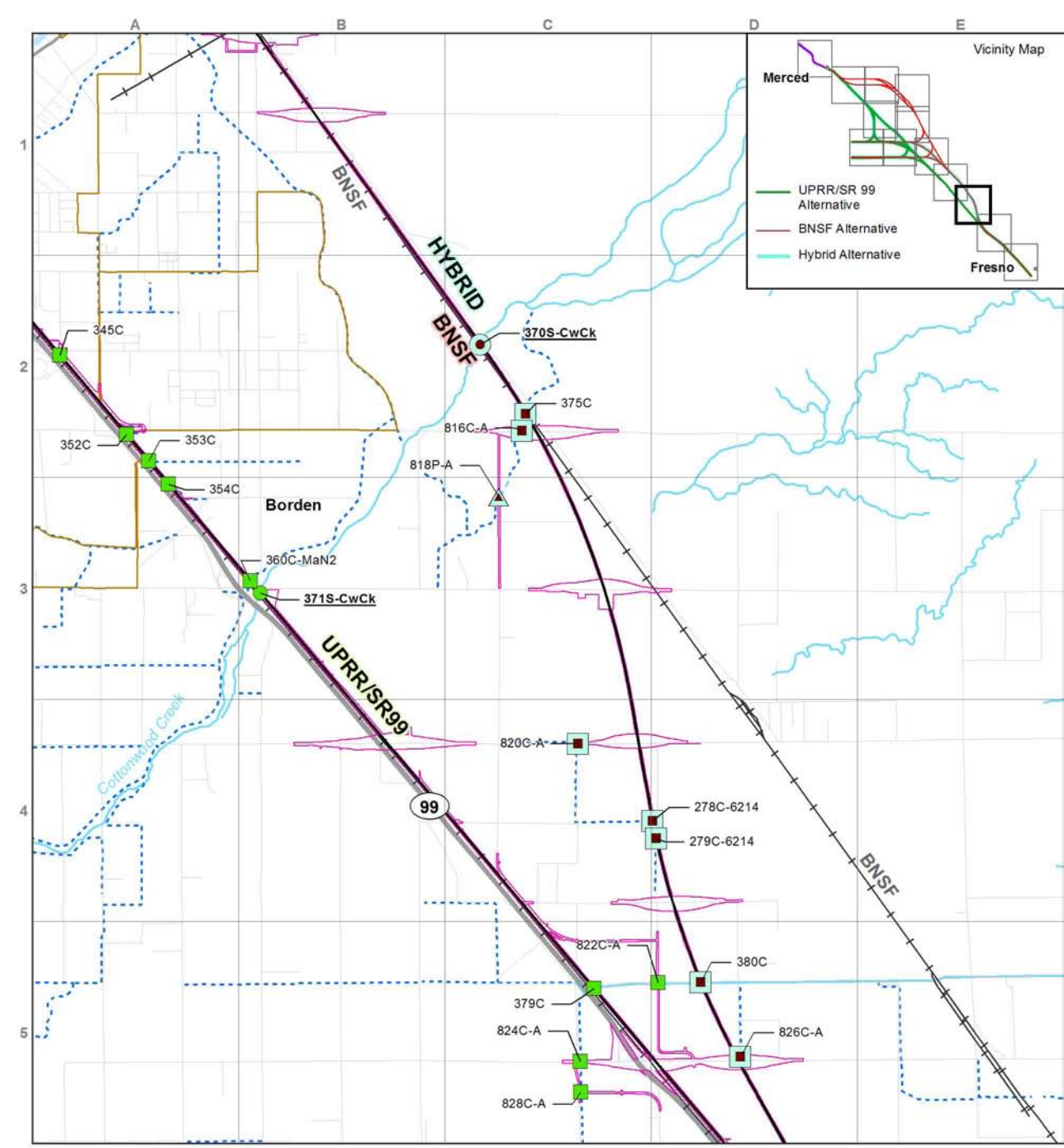
Pipe
UPRR/SR 99 Waterbody Crossing
Stream/River
Canal
Drainage
Pipe
Hybrid Waterbody Crossing
Stream/River
Canal
Drainage
Pipe



Source: CWD (n.d.), DeLorme (2008), Merced Irrig. Dist. (1973, 2000), USGS (2010a,b)

MF_TR_WET_15_k Jun 29, 2011

N

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Miles

- HST Alignment
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- Drainage
- Pipe

Hybrid Waterbody Crossing

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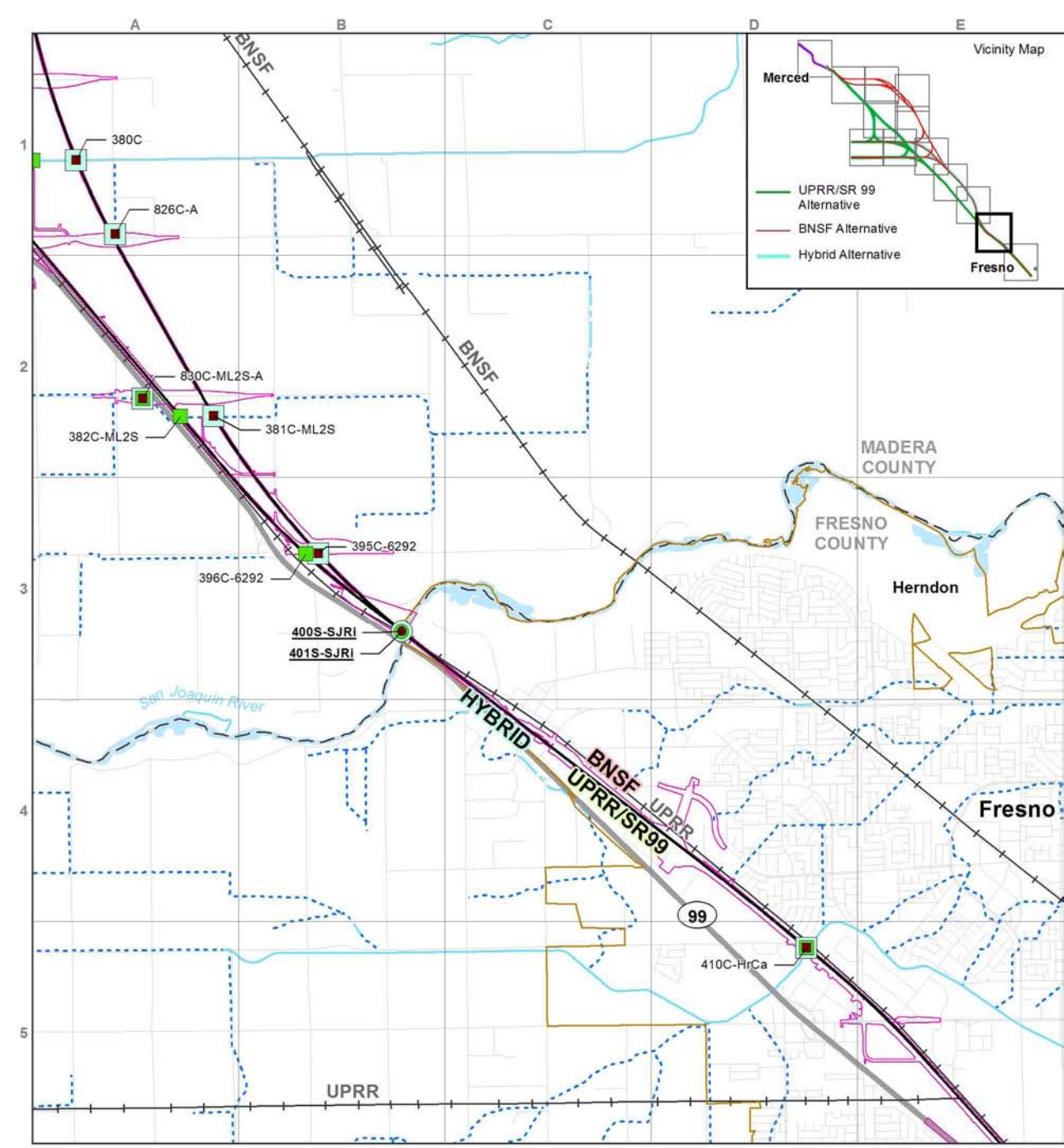
- Drainage
- Pipe



Source: CWD (n.d.), DeLorme (2008), Merced Irrig. Dist. (1973, 2000), USGS (2010a,b)

MF_TR_WET_15_I Jun 29, 2011

N

0 1

Miles

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- Drainage
- Pipe

Hybrid Waterbody Crossing

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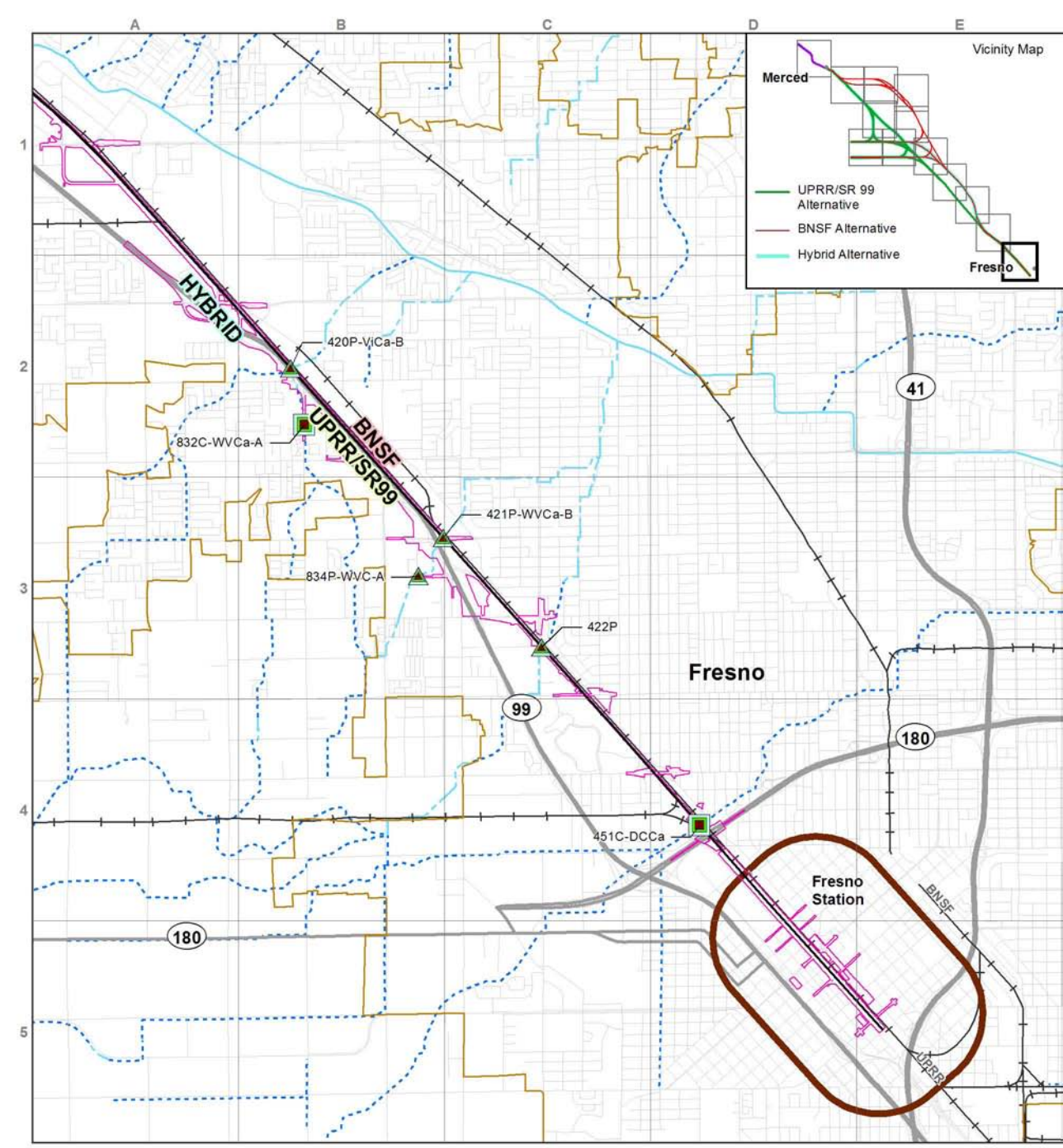

Source: CWD (n.d.), DeLorme (2008), Merced Irrig. Dist. (1973, 2000), USGS (2010a,b)

MF_TR_WET_15_m Jun 29, 2011

N

0 1

Miles

- HST Alignment
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- County Boundary
- Railroad
- Stream/River
- Canal/Ditch
- Pipeline

BNSF Waterbody Crossing

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- Pipe

UPRR/SR 99 Waterbody Crossing

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- Canal
- Drainage
- Pipe

Hybrid Waterbody Crossing

- **Stream/River**
- Canal
- Drainage
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