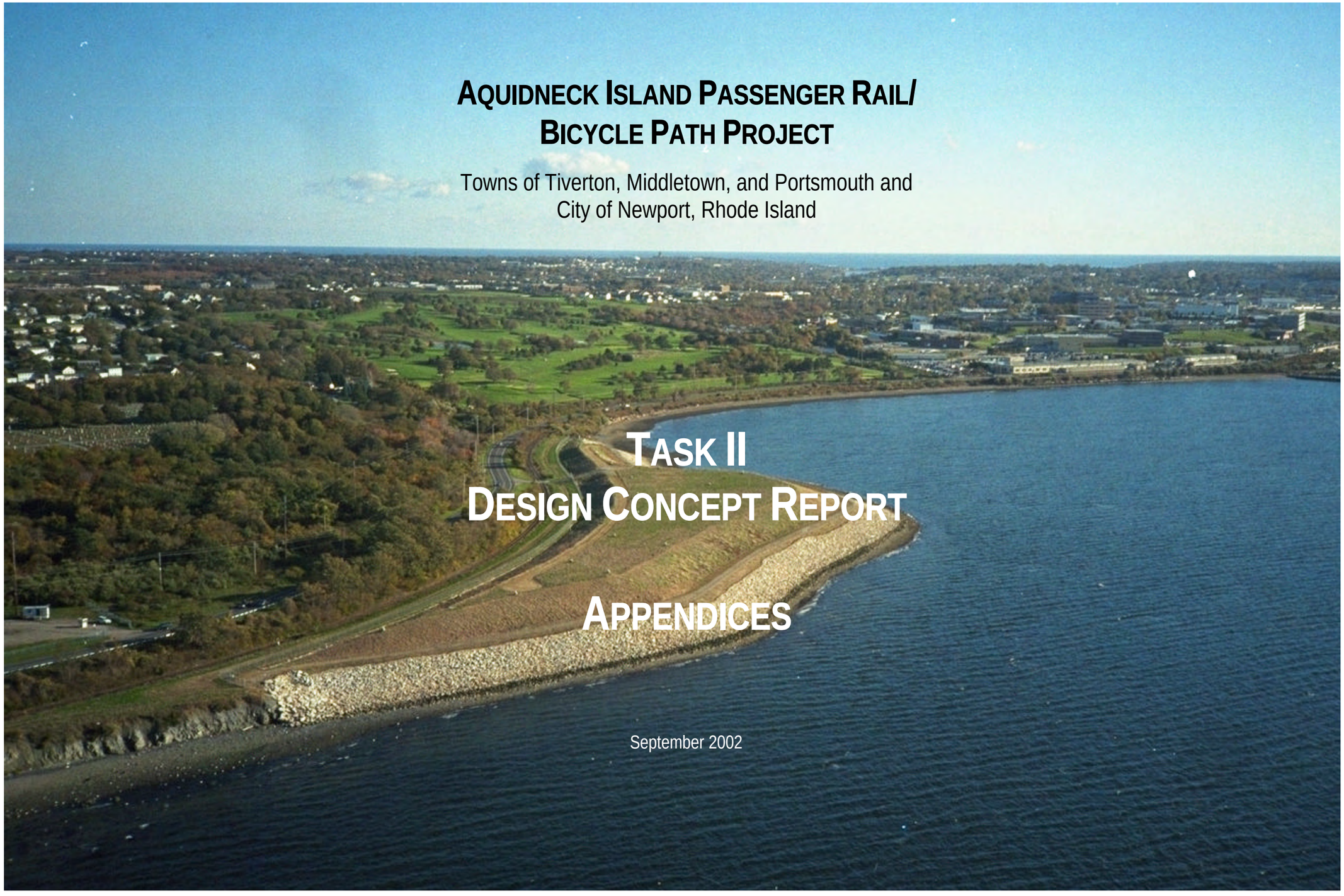


AQUIDNECK ISLAND PASSENGER RAIL/ BICYCLE PATH PROJECT

Towns of Tiverton, Middletown, and Portsmouth and
City of Newport, Rhode Island

TASK II
DESIGN CONCEPT REPORT

APPENDICES

September 2002

AQUIDNECK ISLAND PASSENGER RAIL/BICYCLE PATH PROJECT
TOWNS OF TIVERTON, MIDDLETOWN, AND PORTSMOUTH AND CITY OF NEWPORT, RHODE ISLAND

Task II
Design Concept Report

APPENDICES

APPENDIX A FIGURES

Railroad Infrastructure Plans (57 sheets, Refer to Section 2.0)
Opportunities and Constraints Plans (10 sheets, Refer to Section 3.0)
Concept Plans (7 sheets, Refer to Section 3.0)
Rail Corridor
Enlargement Plans and Perspectives
Environmental Studies (14 sheets, Refer to Section 4.0)

APPENDIX B PHOTOGRAPHS

Photographs taken at the rail corridor during inspections (Refer to Section 4.5)

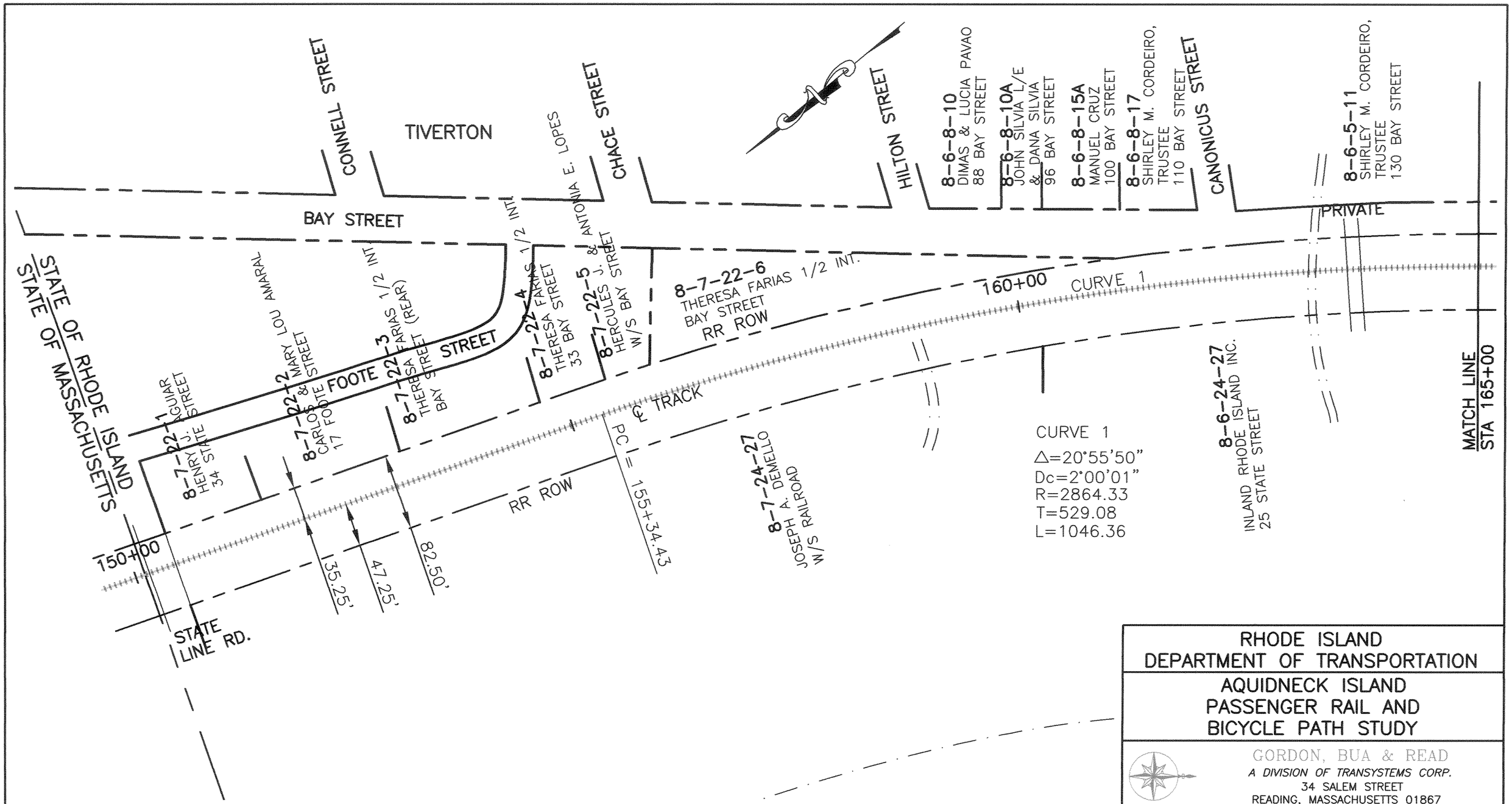
APPENDIX C CORRESPONDENCE WITH RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Letter received from Rhode Island Natural Heritage Program (Refer to Section 4.2)

APPENDIX A
FIGURES

Railroad Infrastructure Plans

57 sheets



RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

AQUIDNECK ISLAND
PASSENGER RAIL AND
BICYCLE PATH STUDY

GORDON, BUA & READ
A DIVISION OF TRANSYSTEMS CORP.
34 SALEM STREET
READING, MASSACHUSETTS 01867

The Louis Berger Group, INC.	CRJA CAROL R. JOHNSON ASSOCIATES	KKO and Associates, L.L.C.	Barbara Sokoloff Associates

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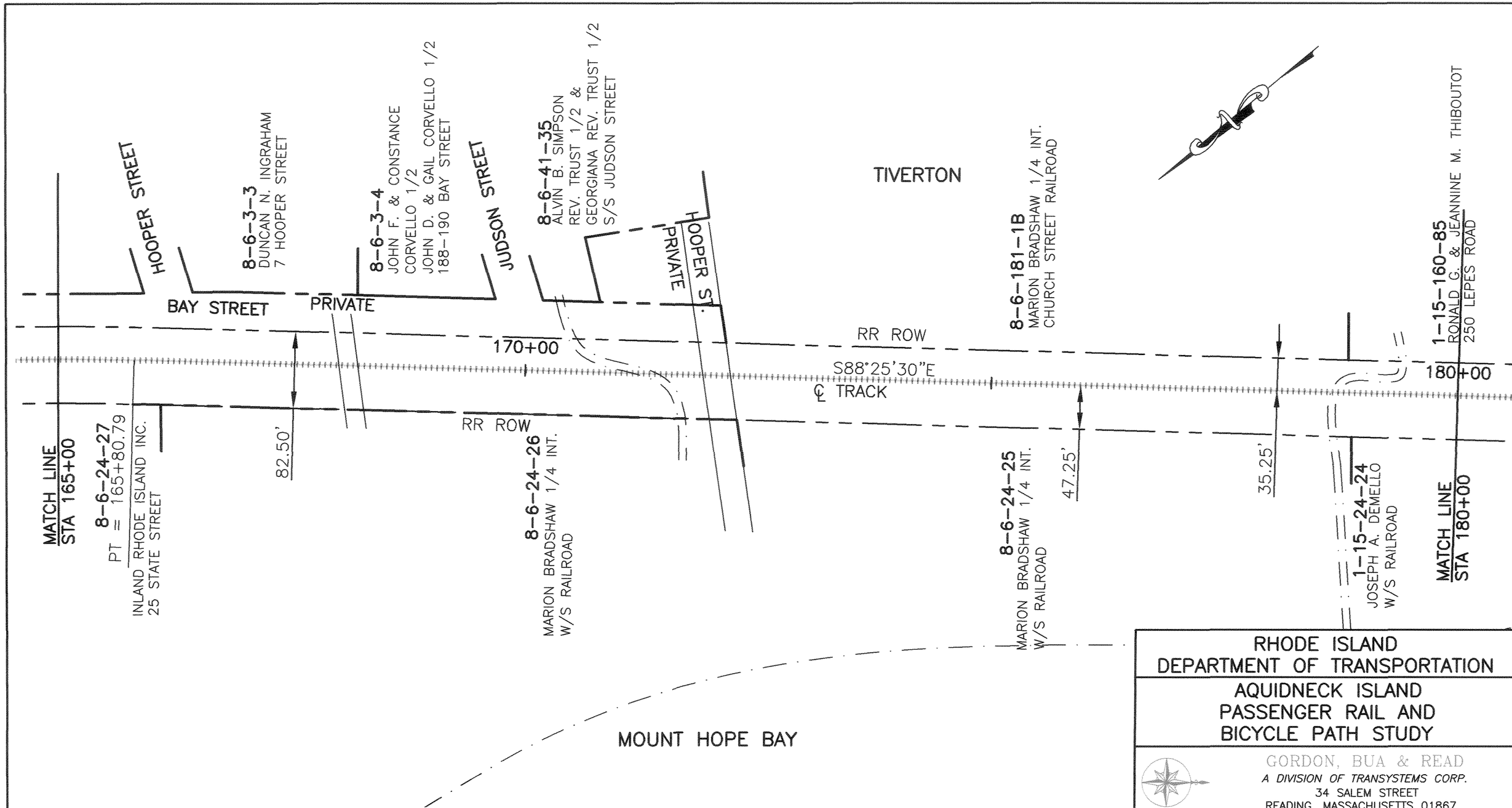

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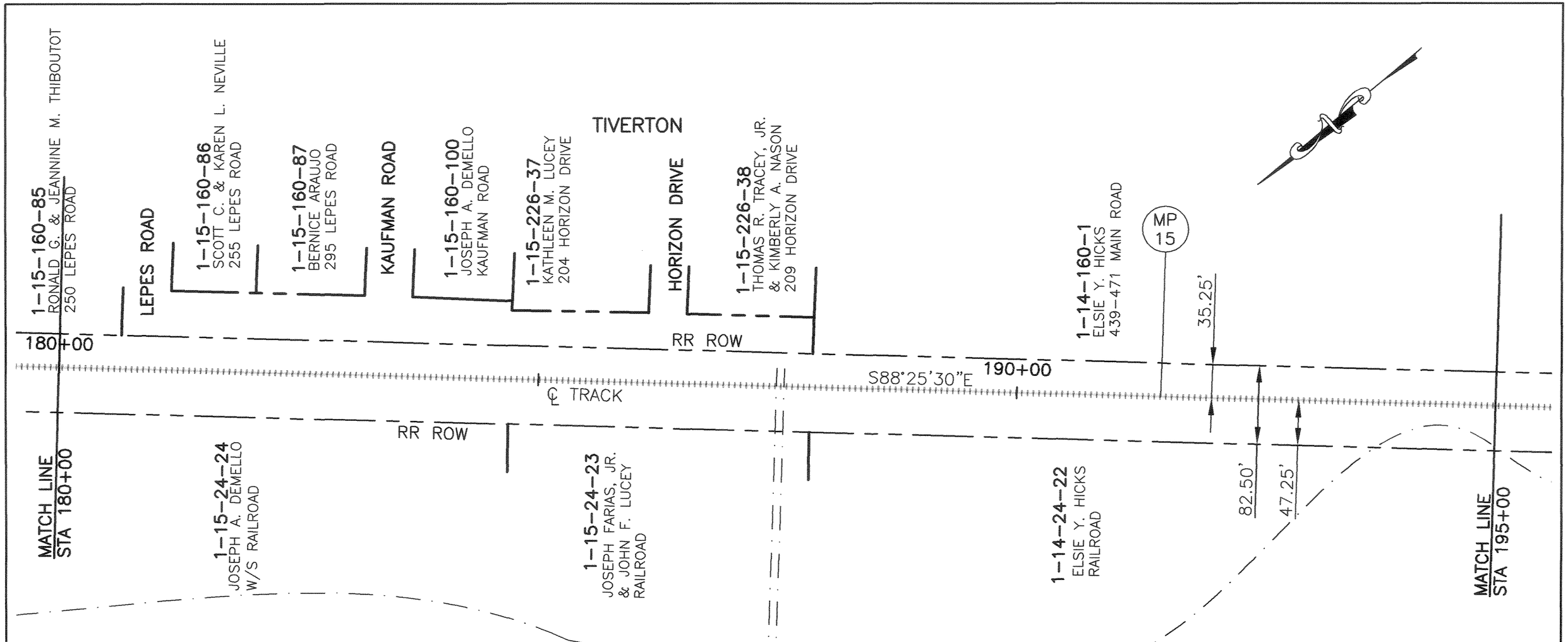

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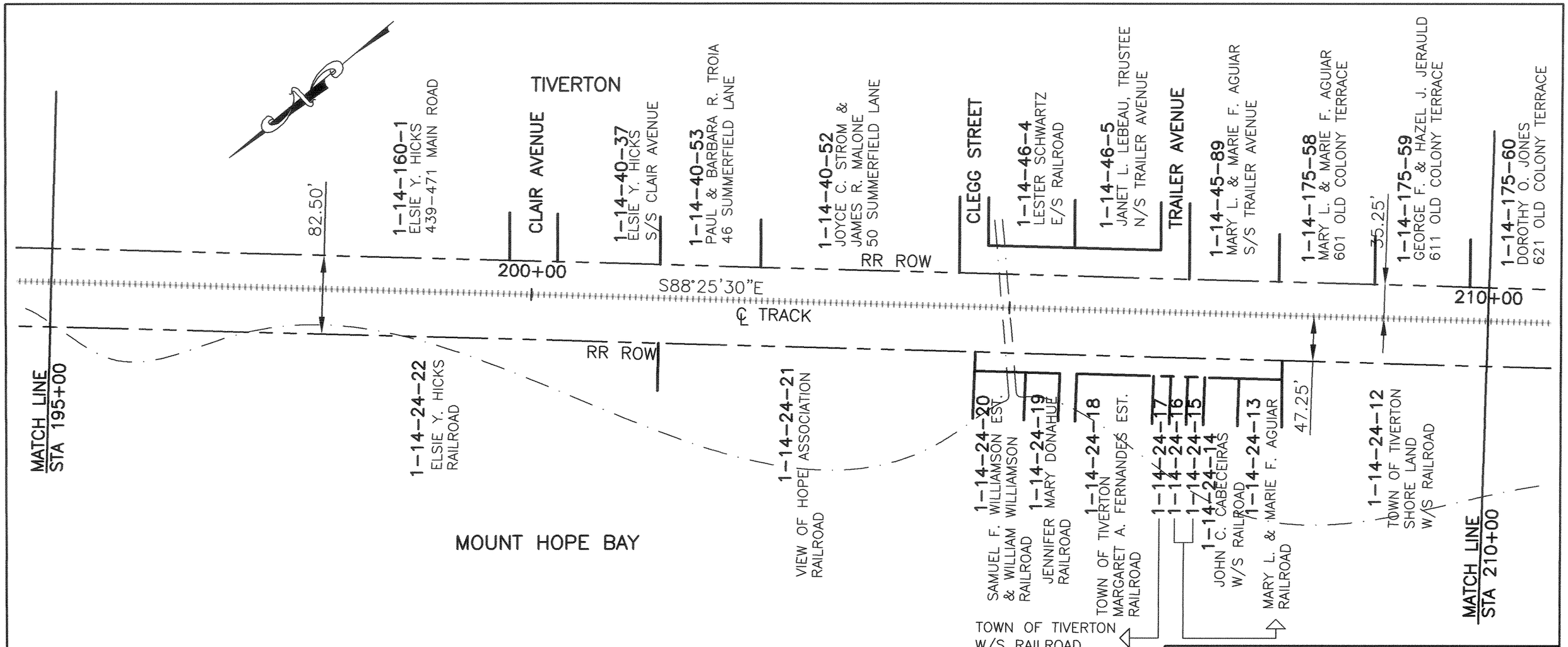

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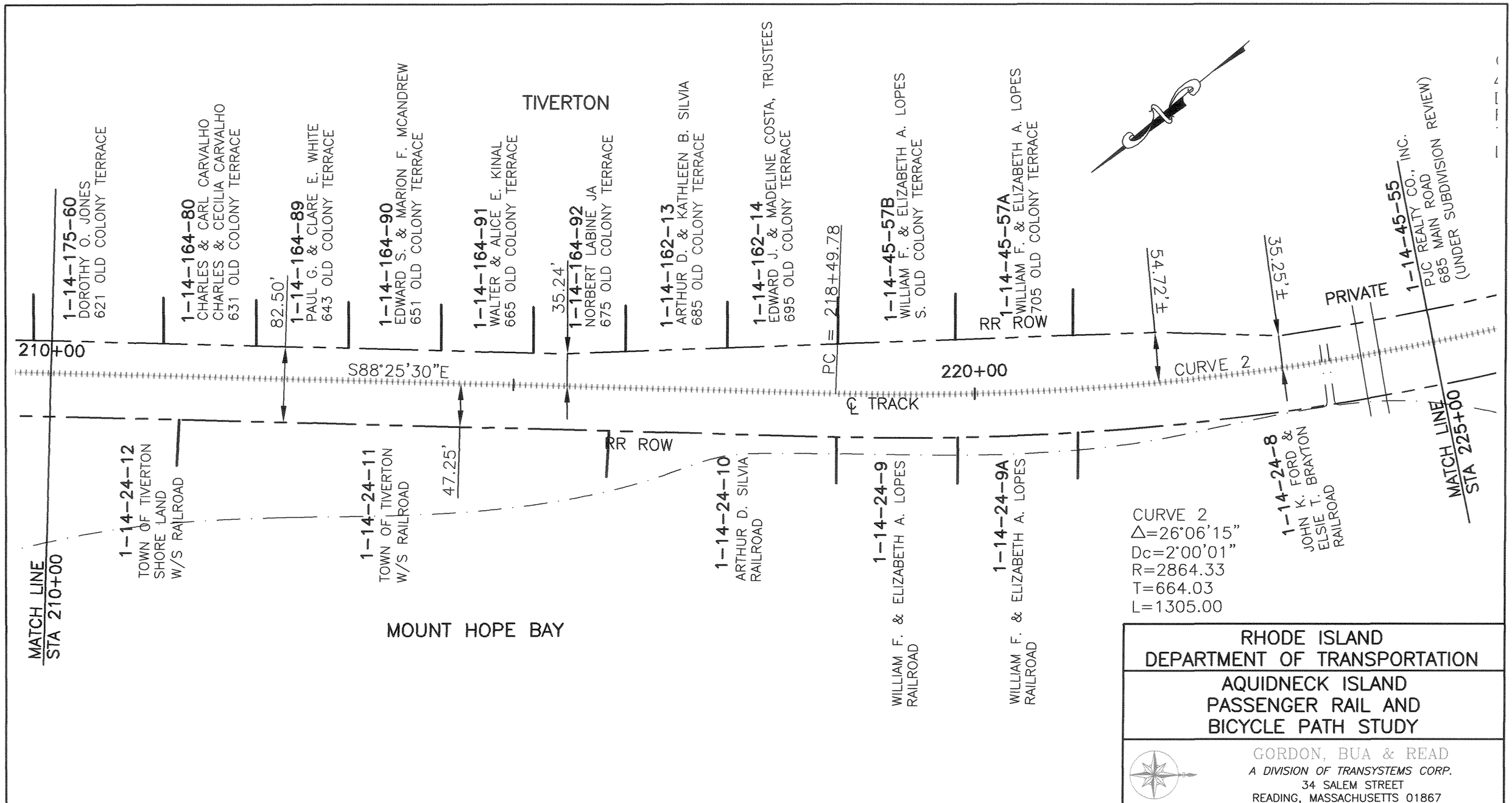

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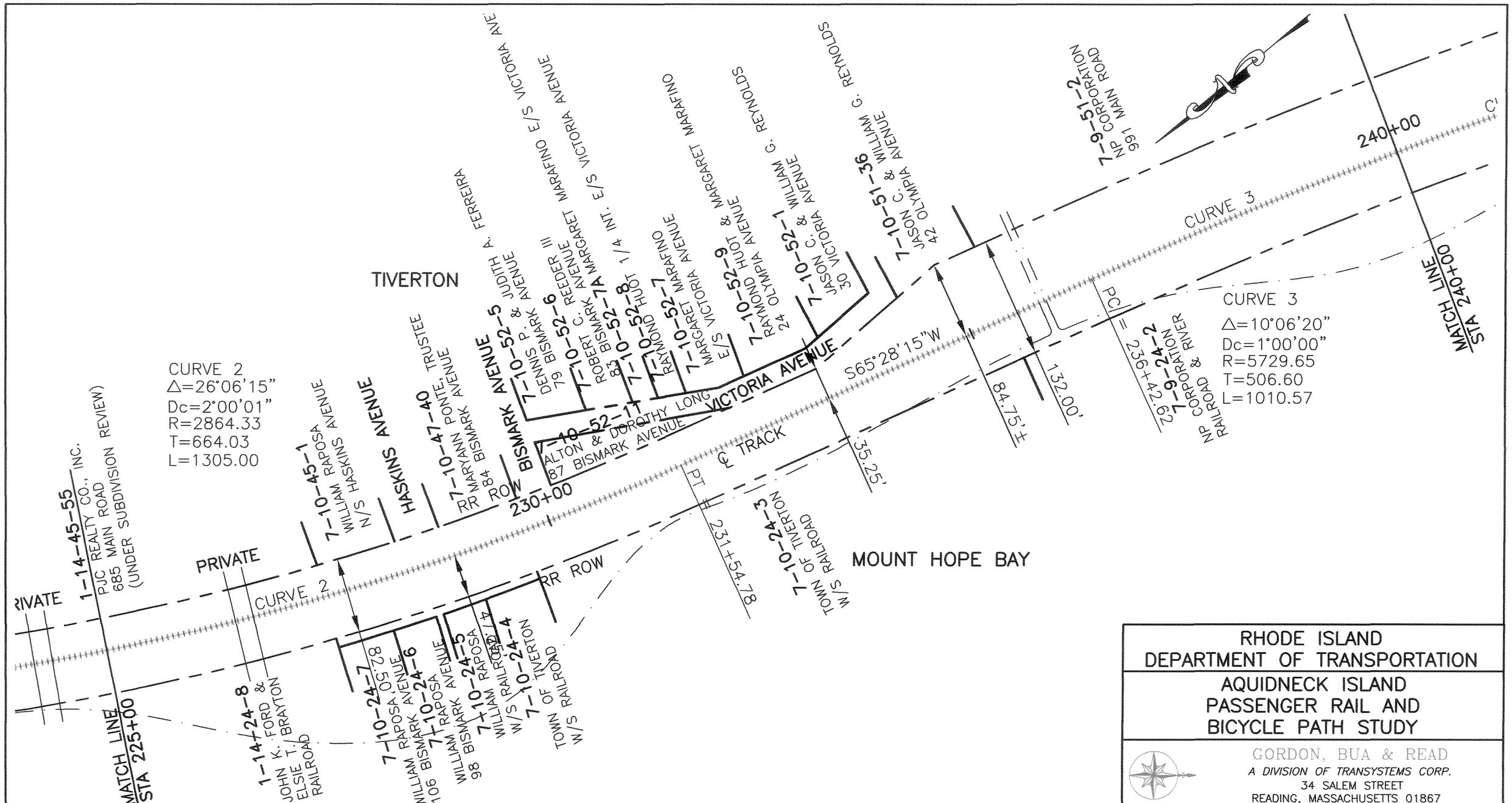

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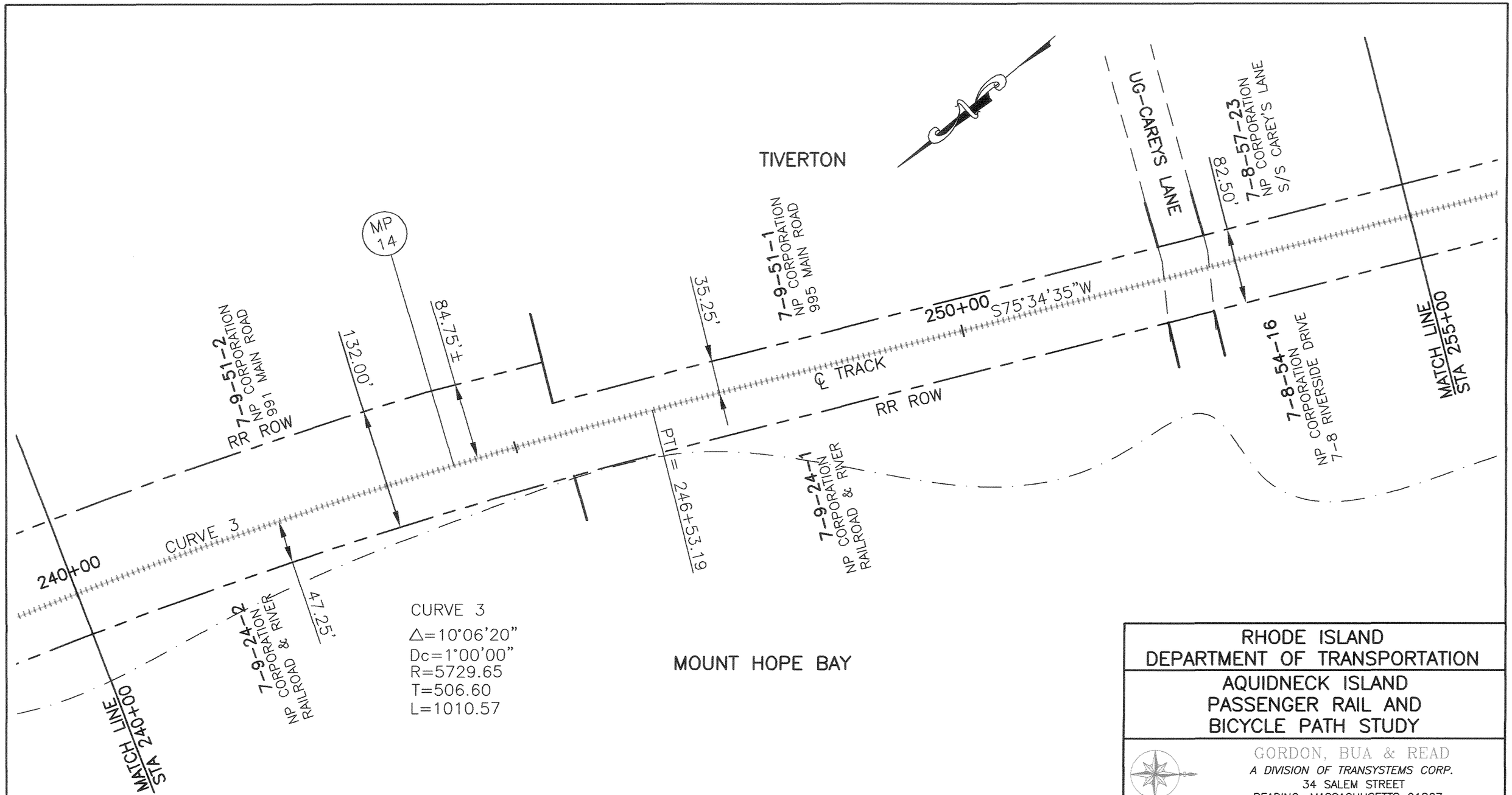

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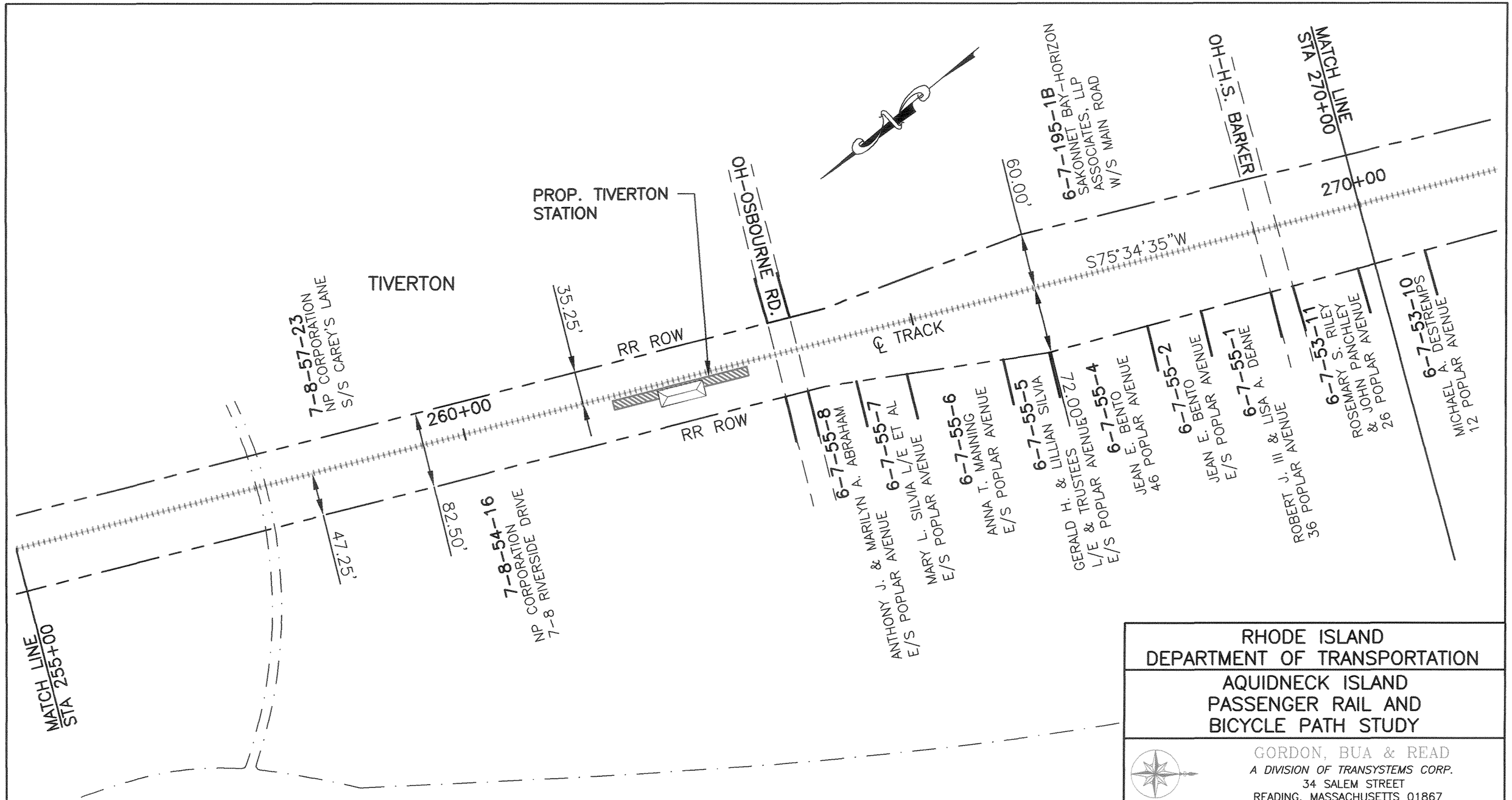

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CAROL R. JOHNSON ASSOCIATES

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Barbara Sokoloff
Associates

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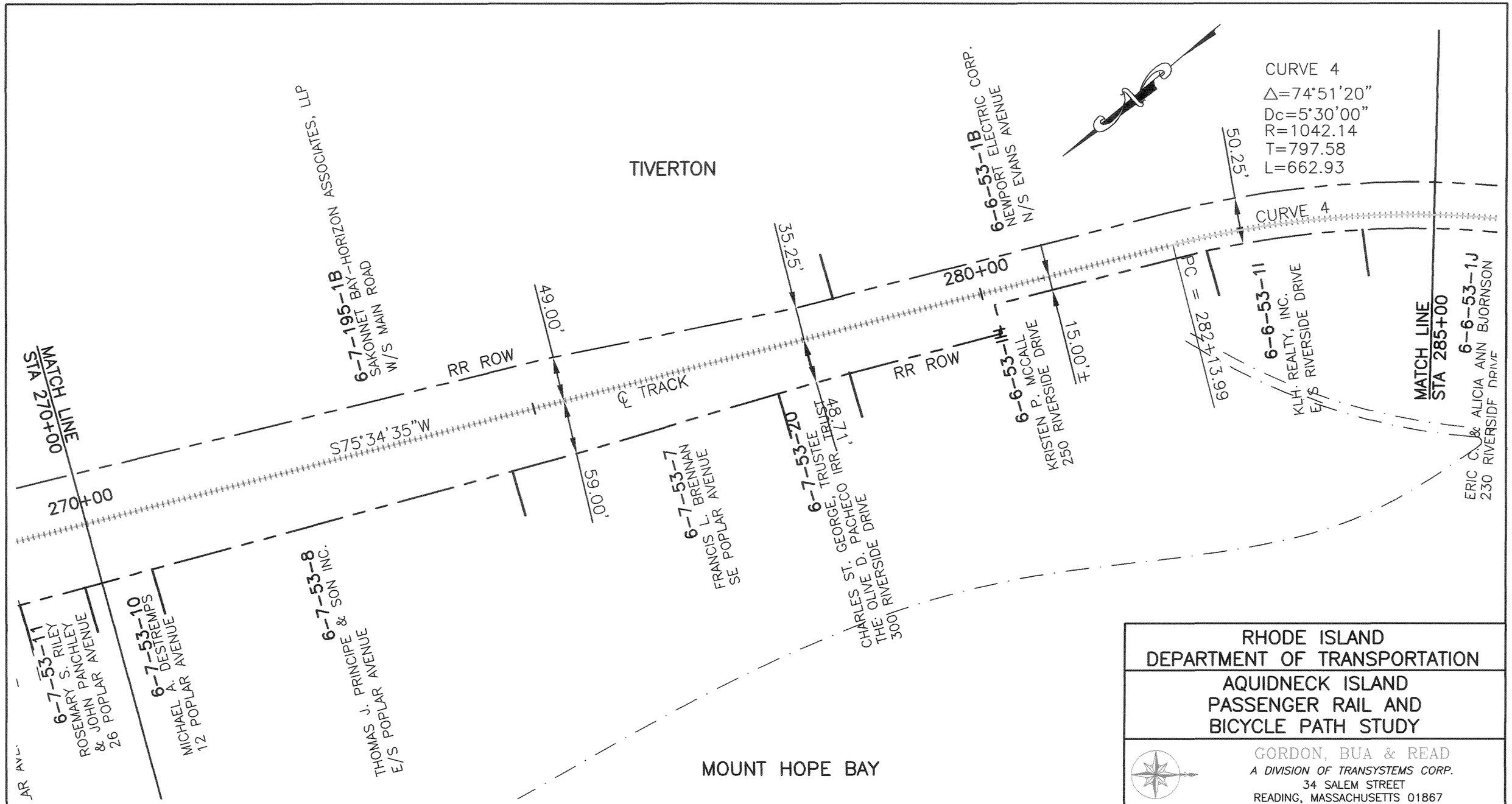

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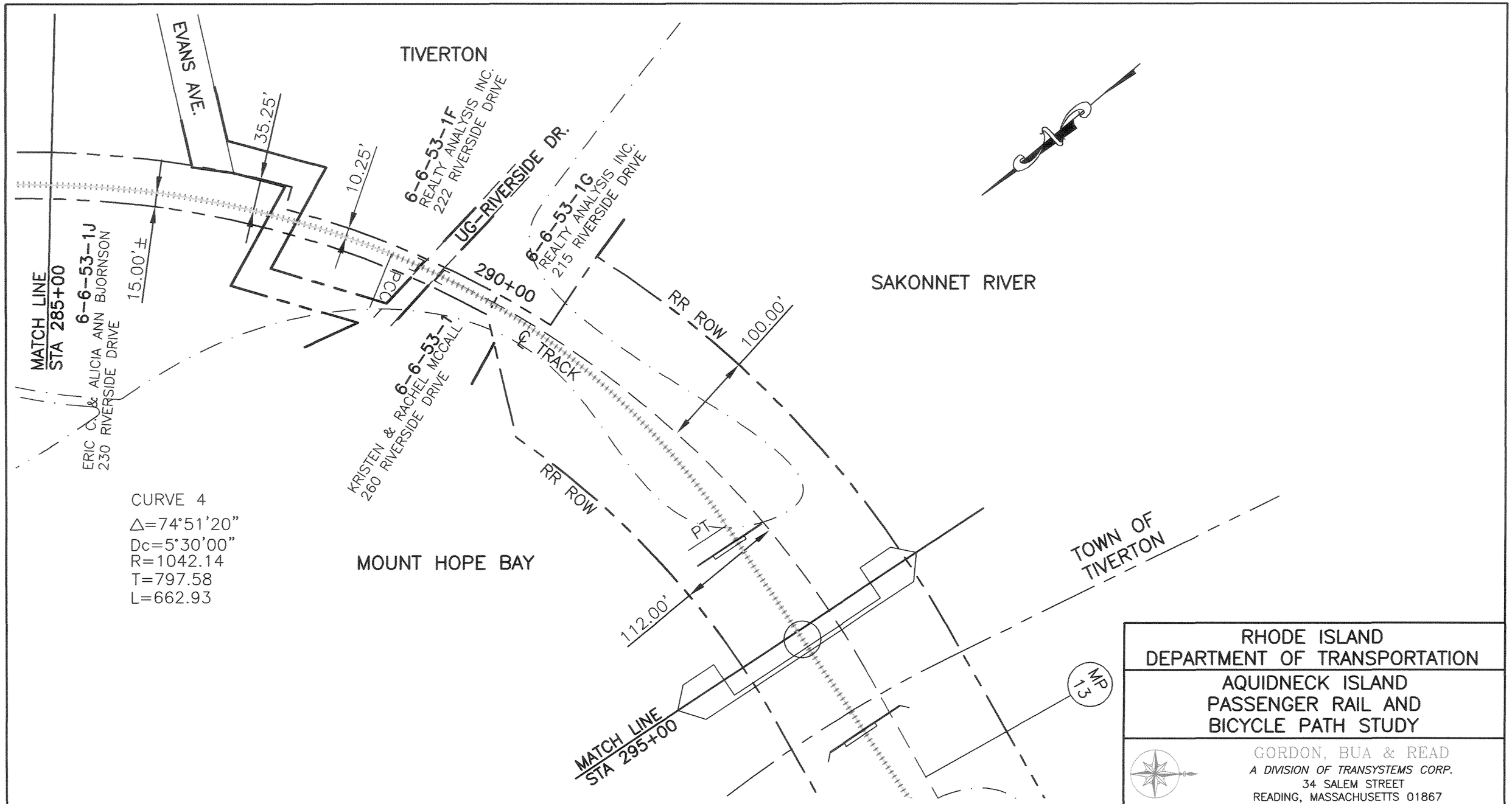

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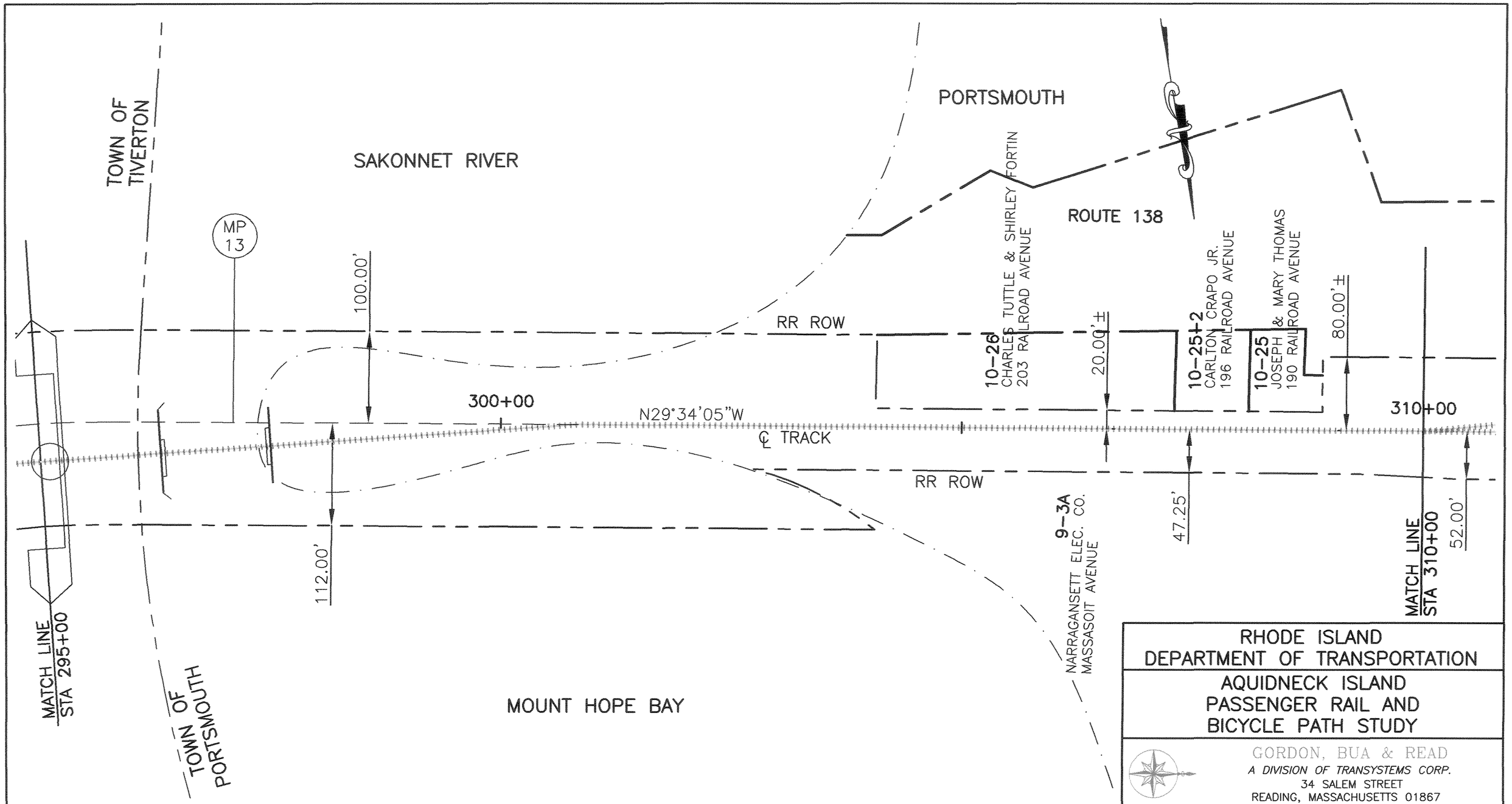

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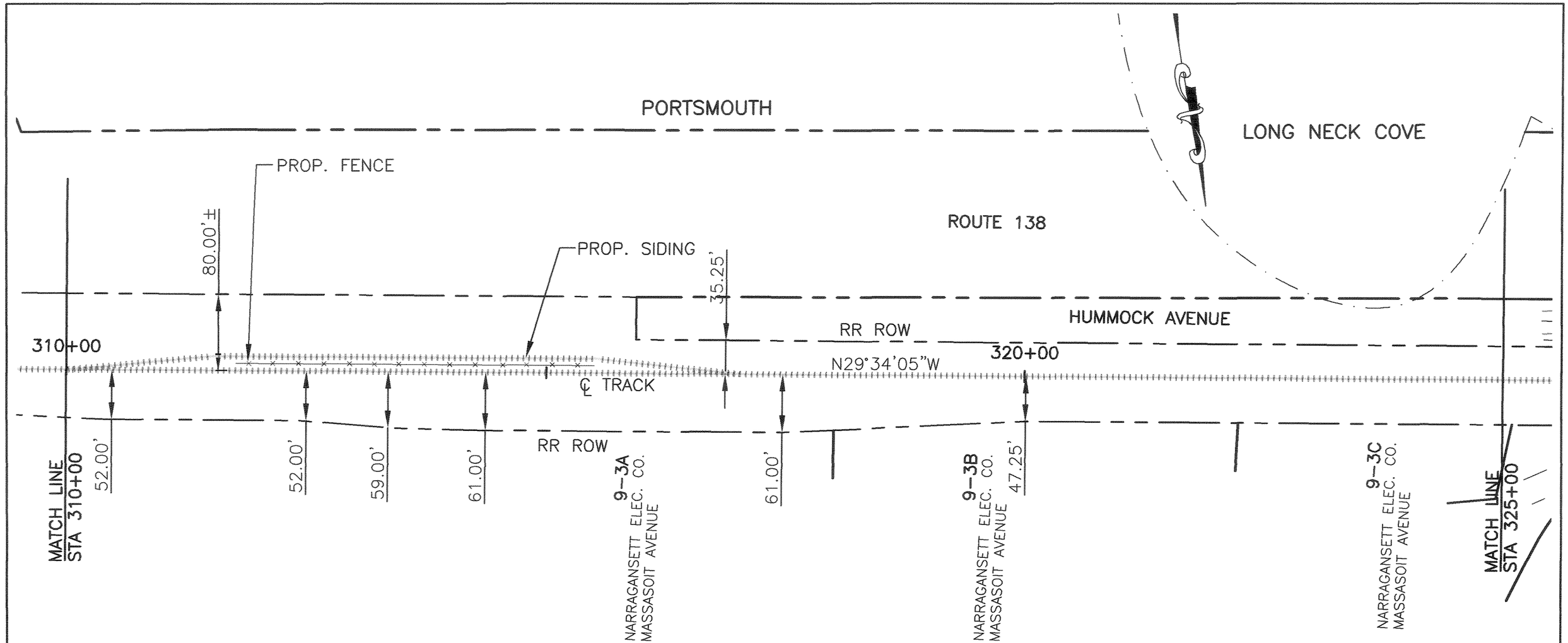

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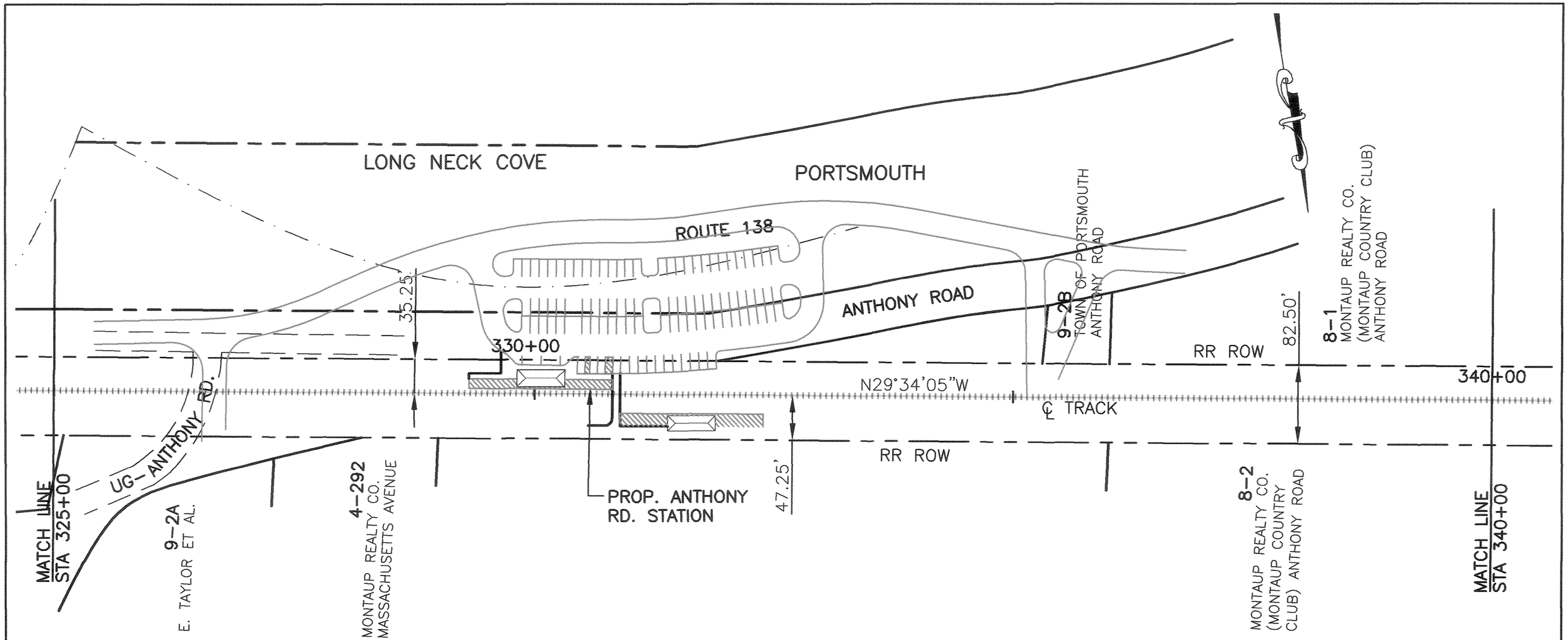

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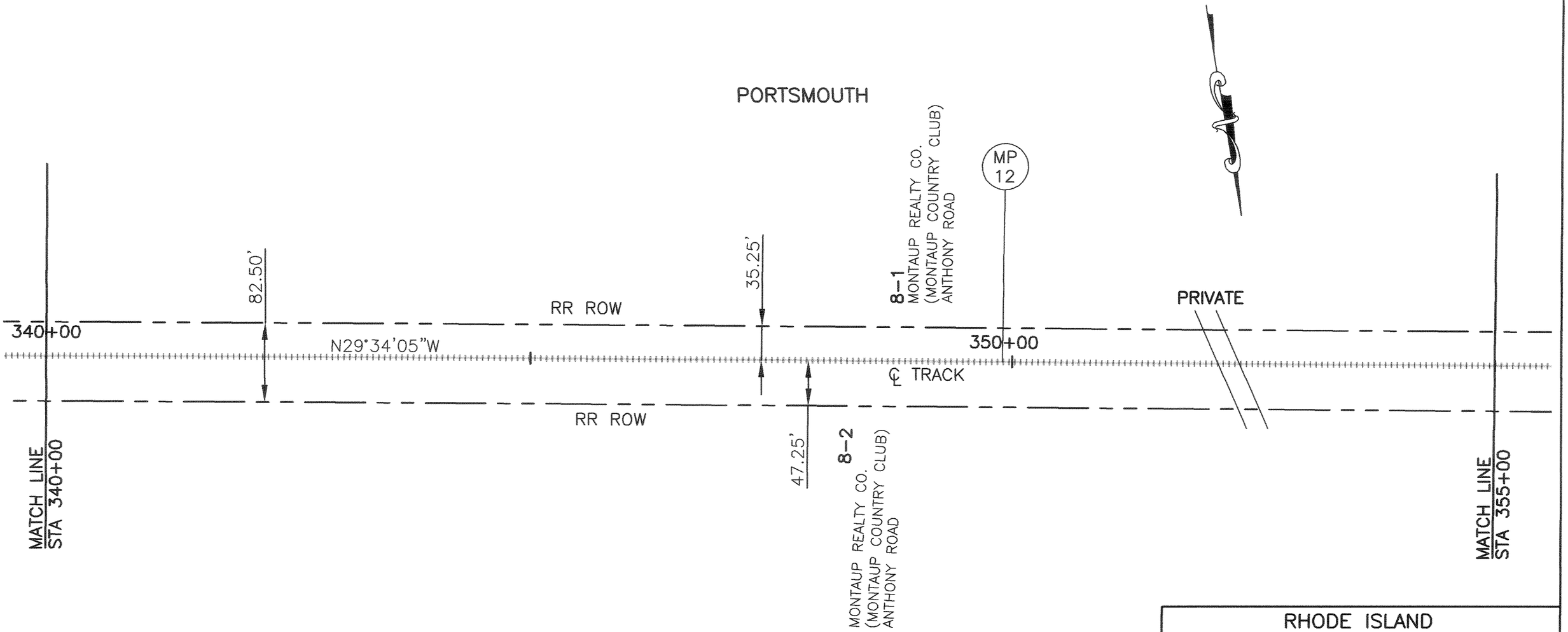

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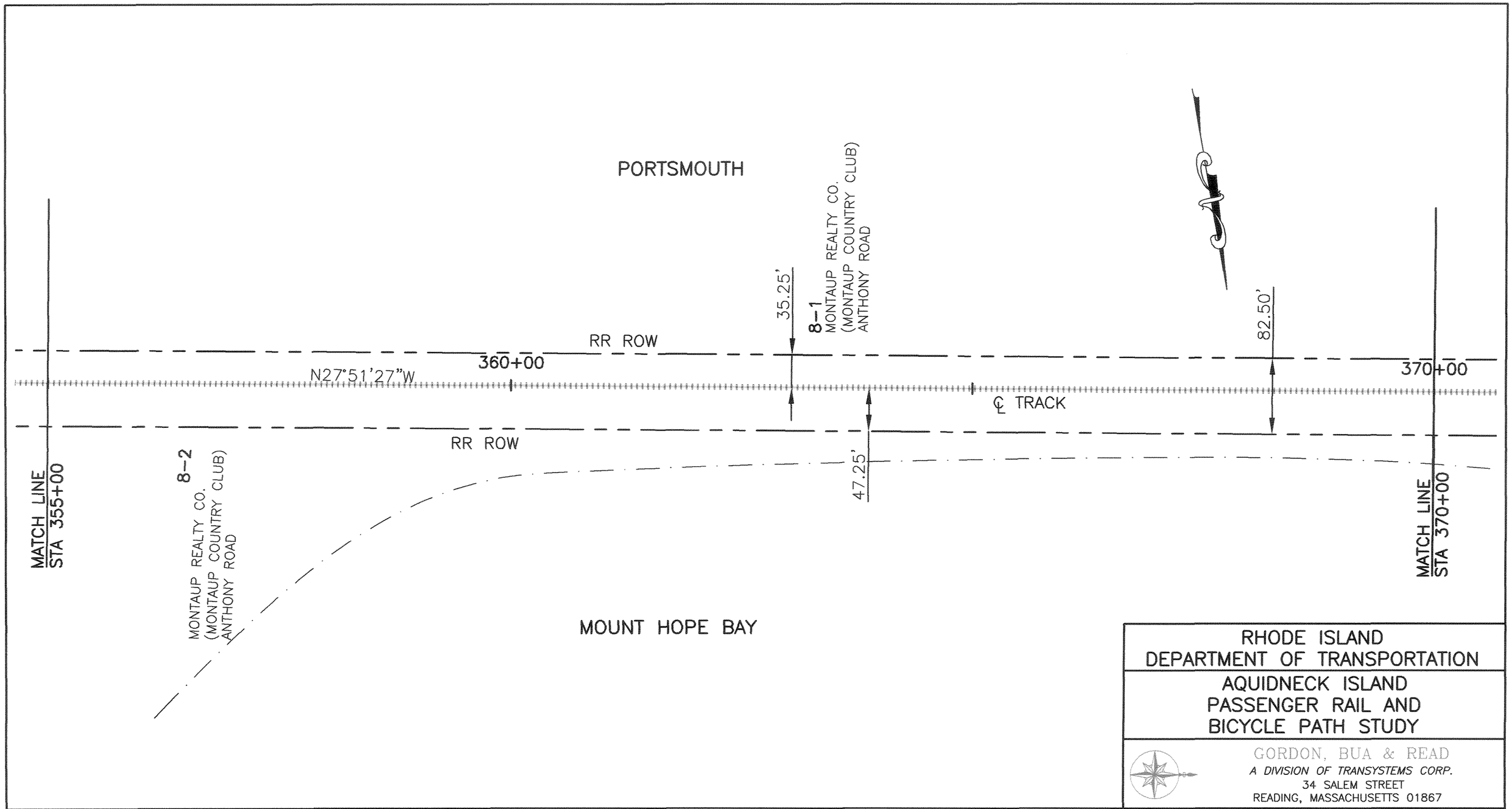

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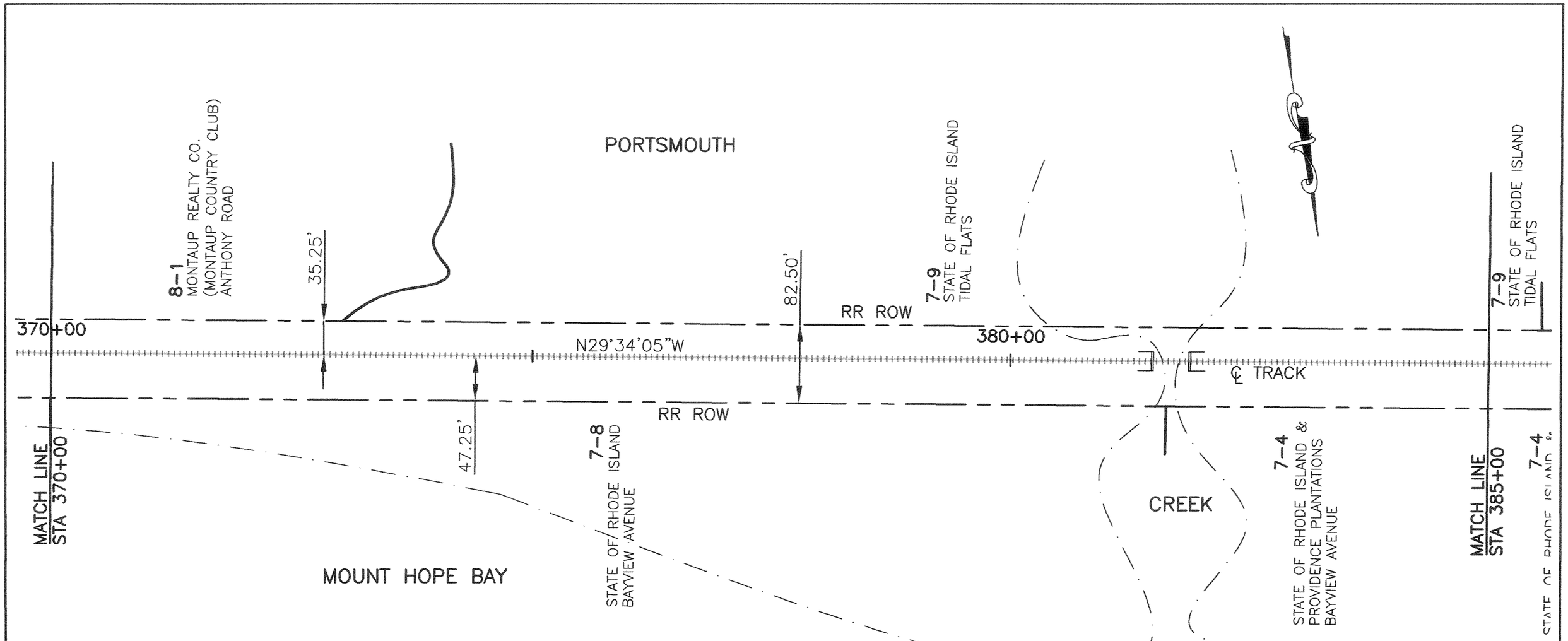

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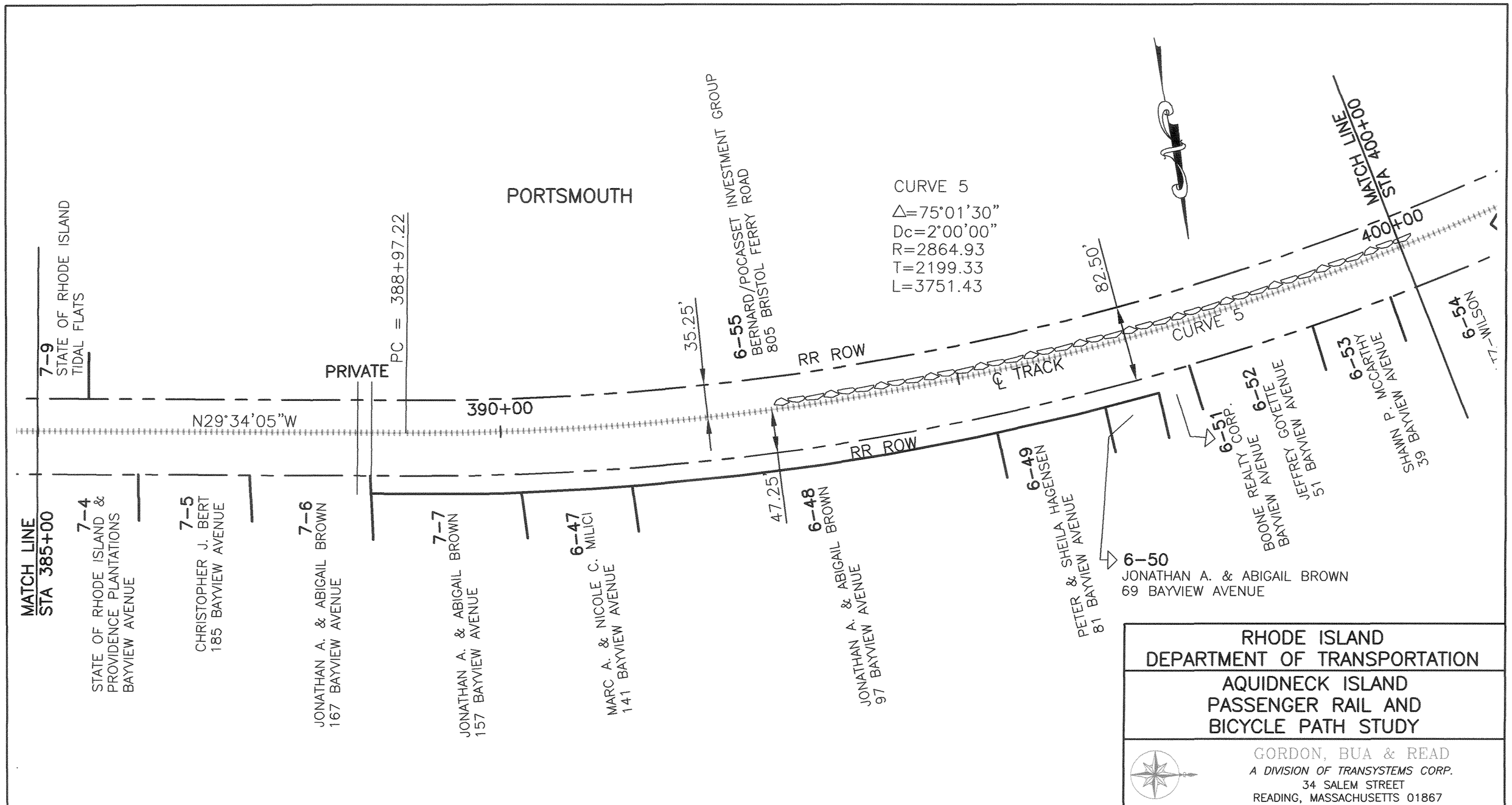

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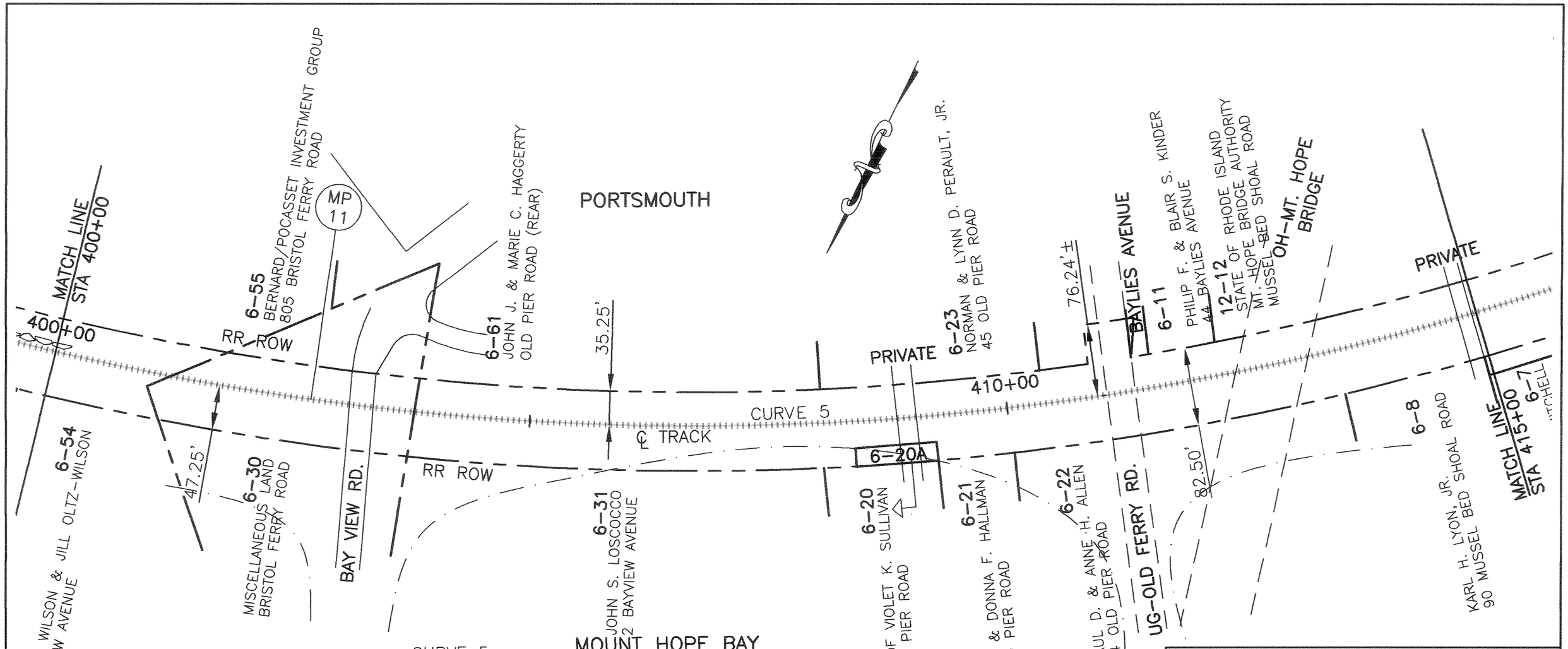

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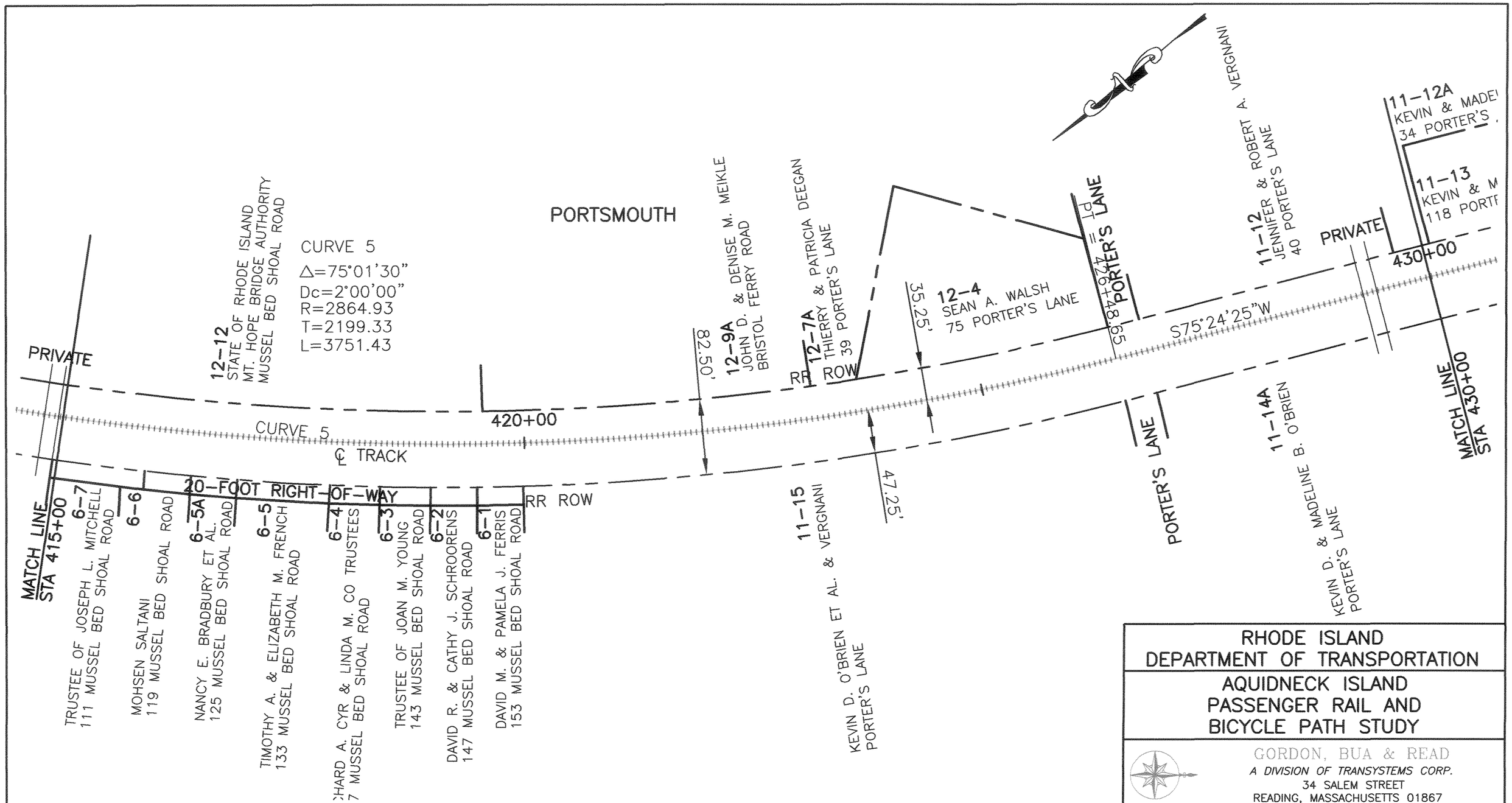

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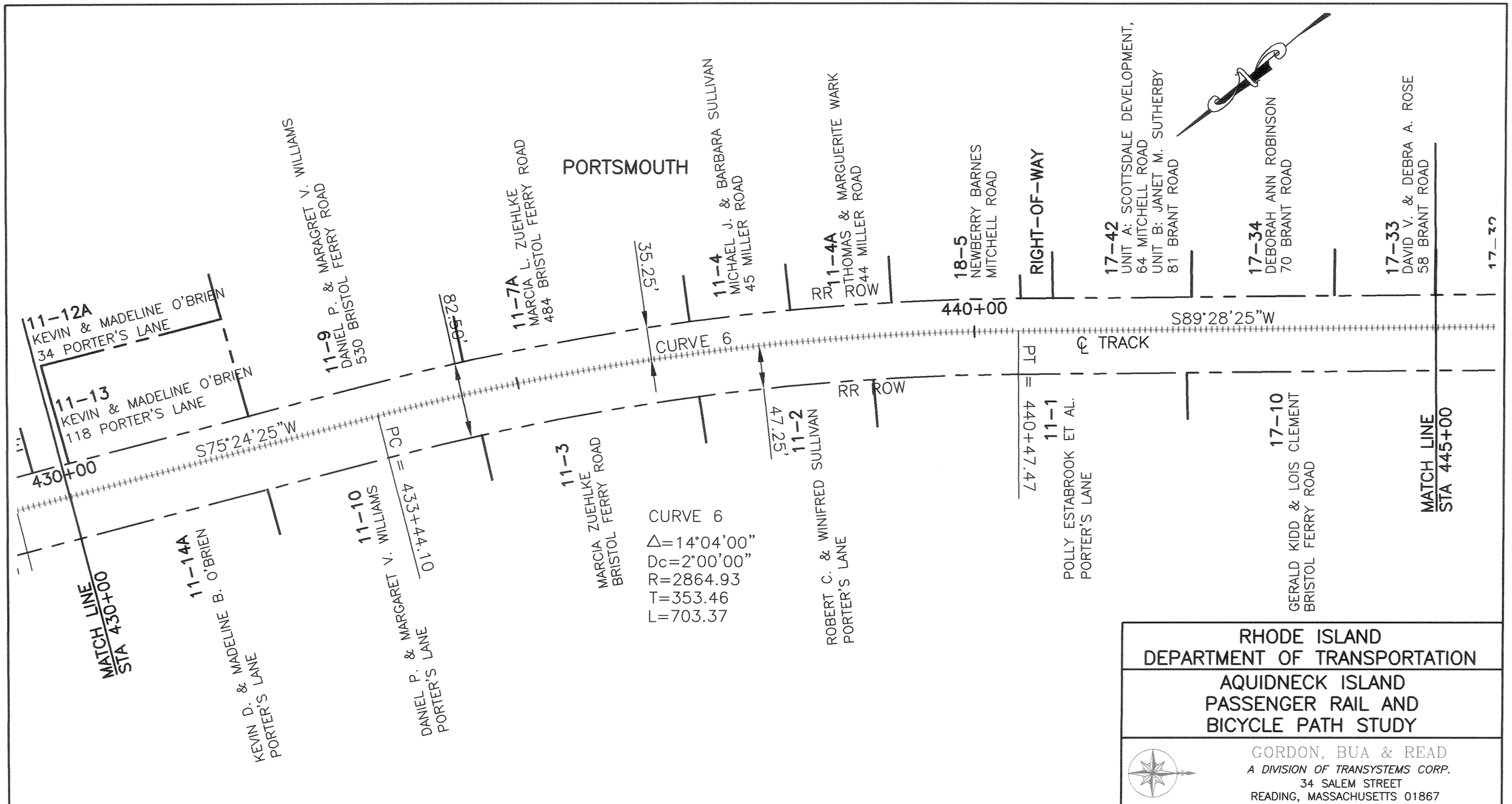

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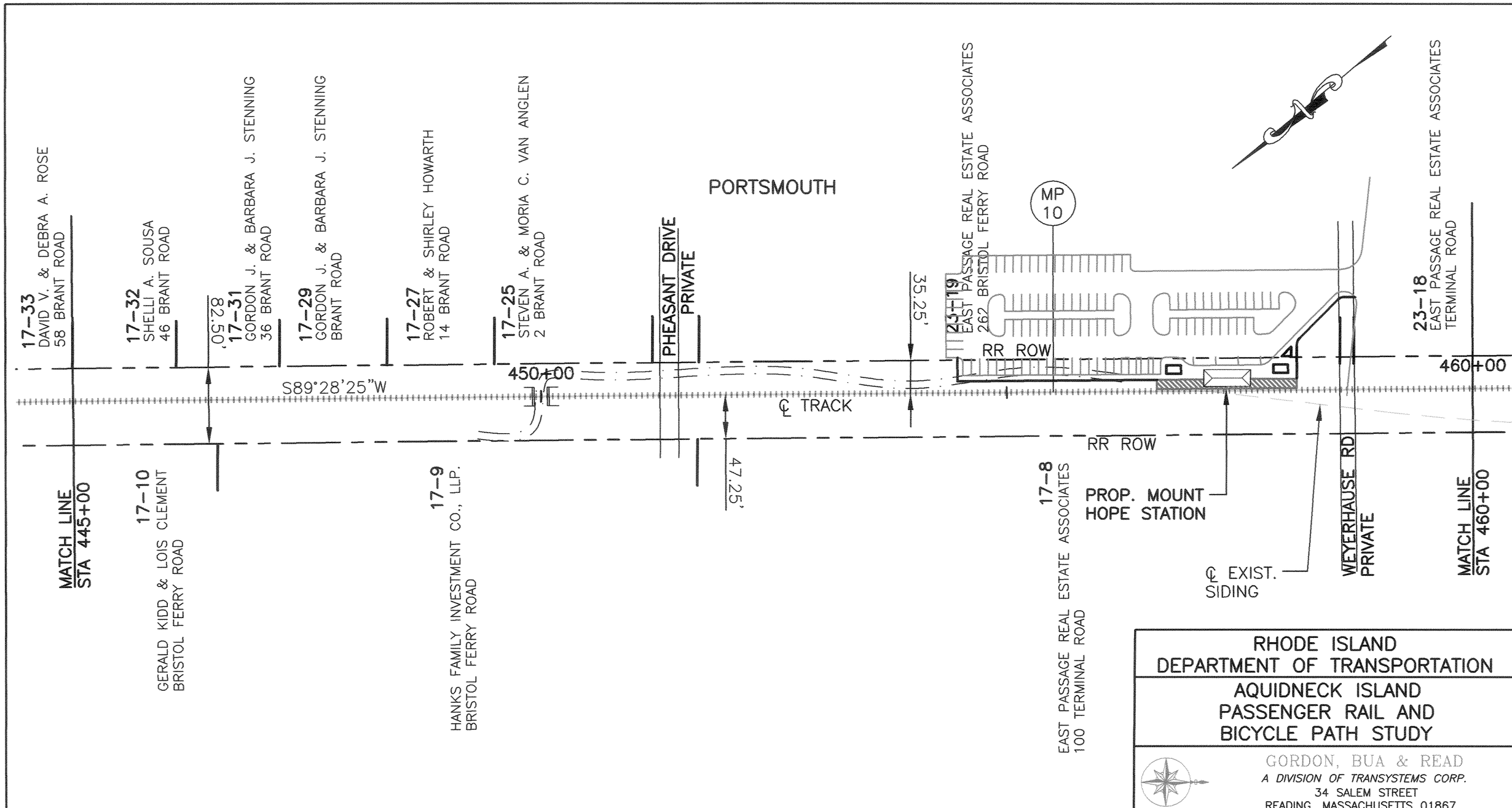

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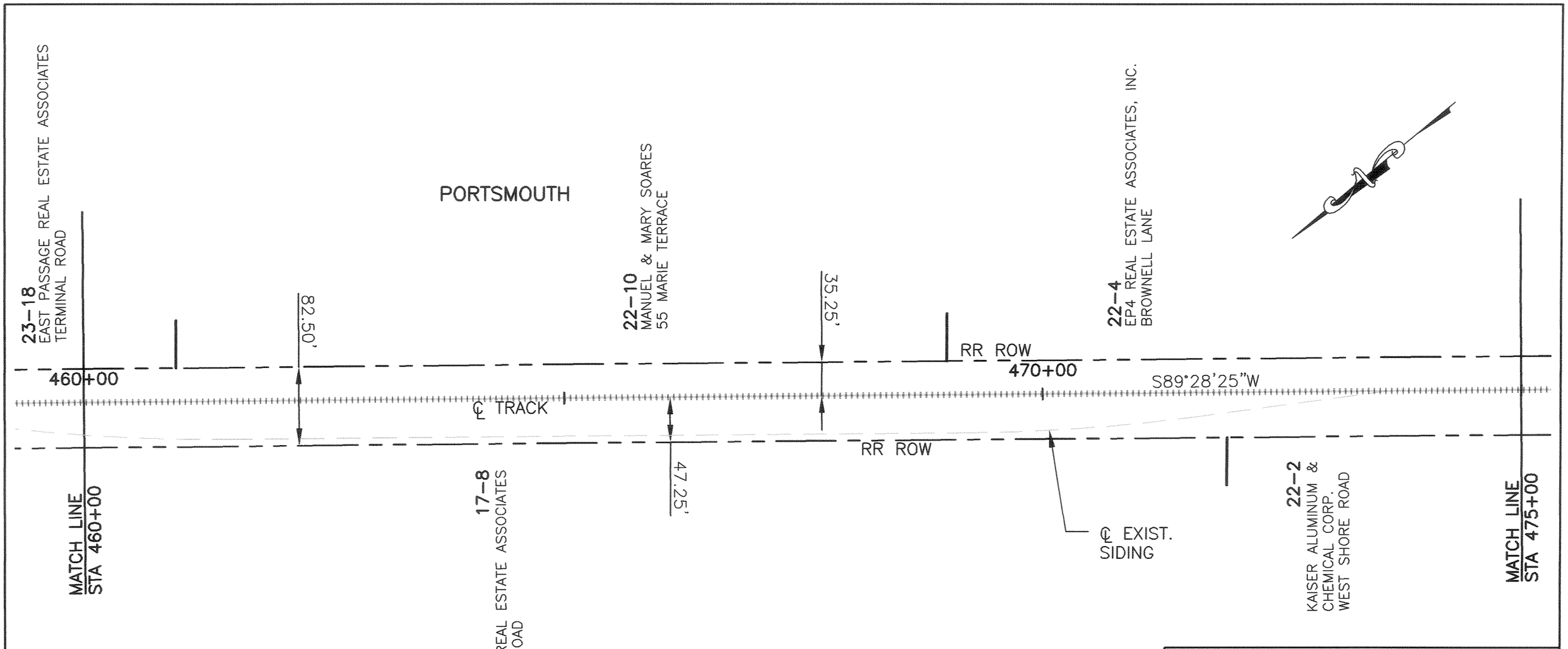

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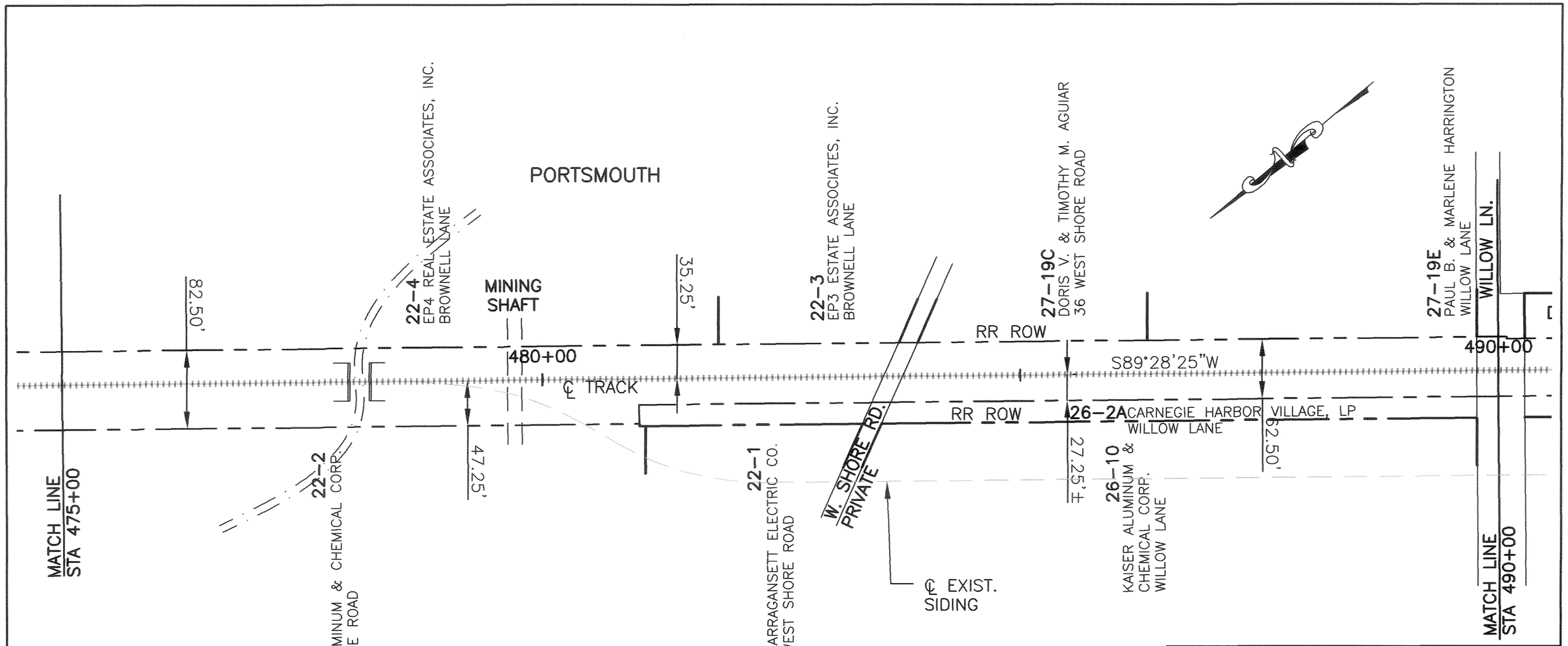

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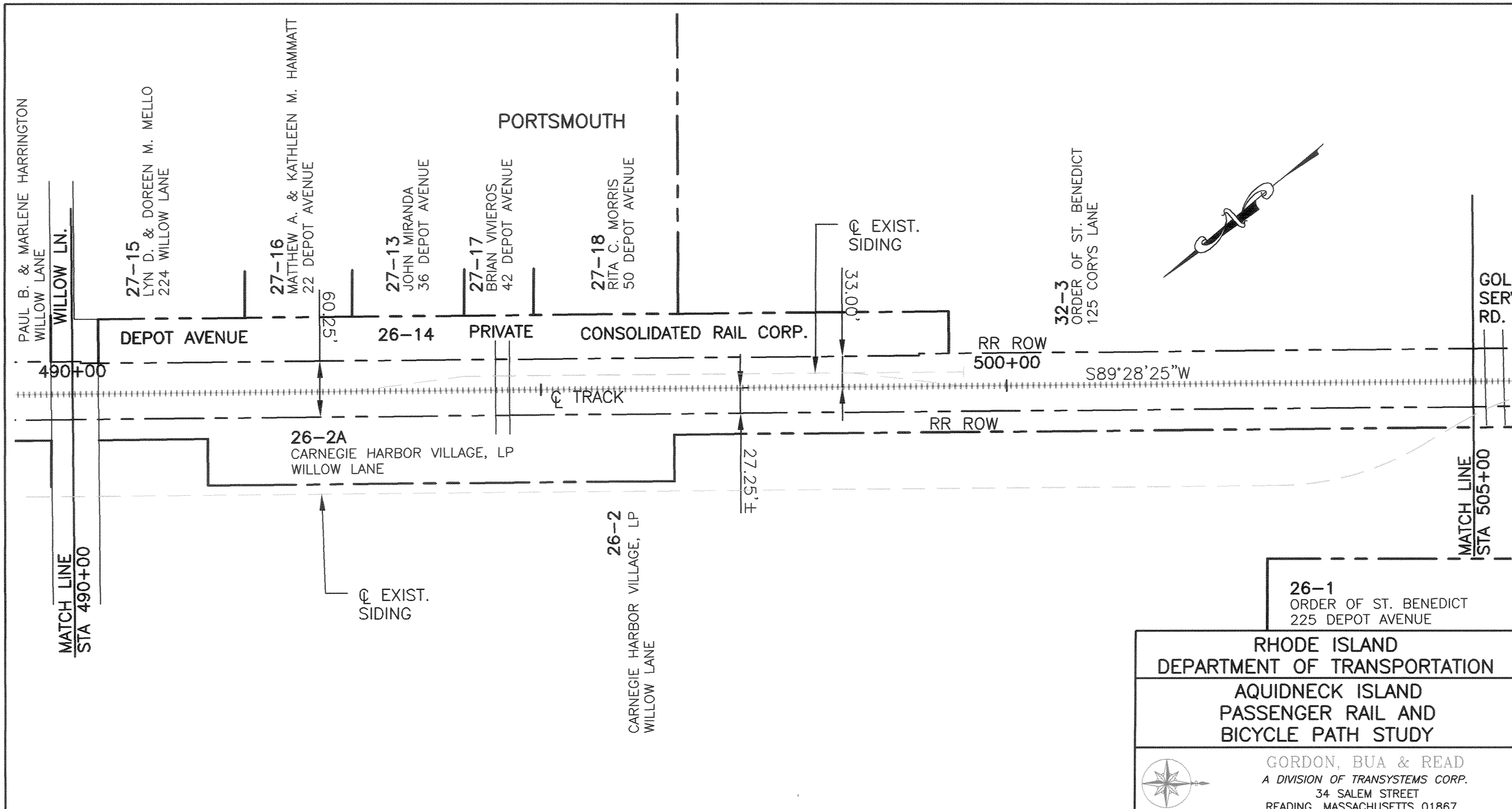

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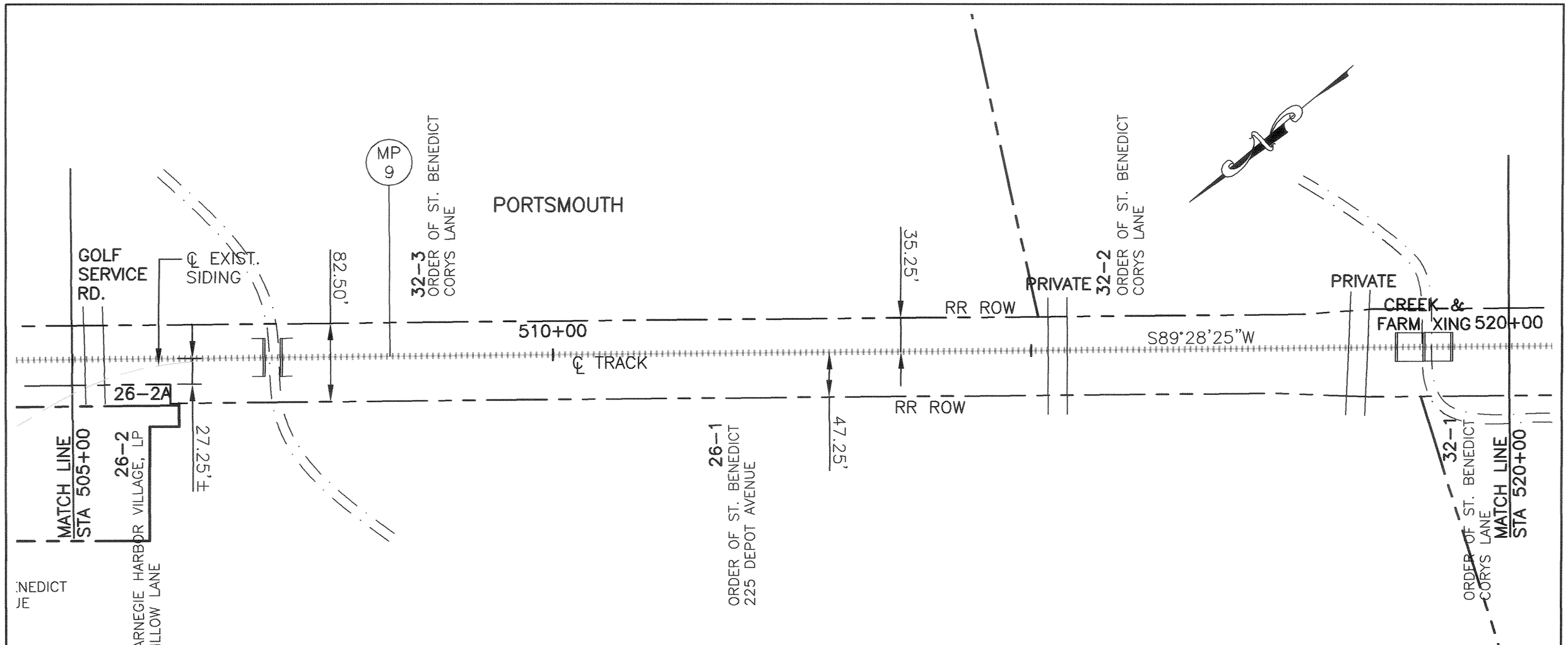
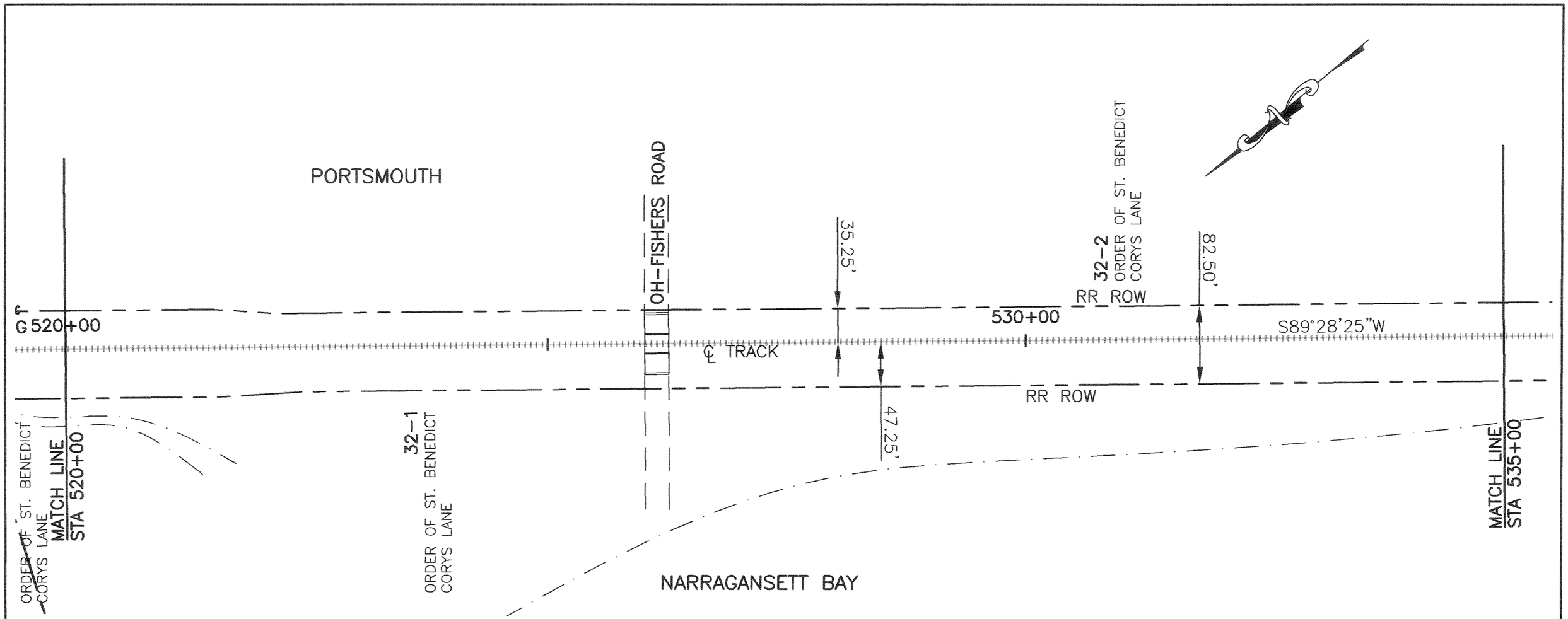


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

AQUIDNECK ISLAND
PASSENGER RAIL AND
BICYCLE PATH STUDY

GORDON, BUA & READ
A DIVISION OF TRANSYSTEMS CORP.
34 SALEM STREET
READING, MASSACHUSETTS 01867

IN: Louis Berger Group, INC.	CAROL R. JOHNSON ASSOCIATES	KKO and Associates, L.L.C.	Barbara Sokoloff Associates	SCALE: 1" = 100'	DATE: MAY 16, 2002	PROJ. NO. GBR00103
				DES BY:	DRN BY: MER/LB/LRD	SHEET: 25 OF 57



RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

AQUIDNECK ISLAND
PASSENGER RAIL AND
BICYCLE PATH STUDY

GORDON, BUA & READ
A DIVISION OF TRANSYSTEMS CORP.
34 SALEM STREET
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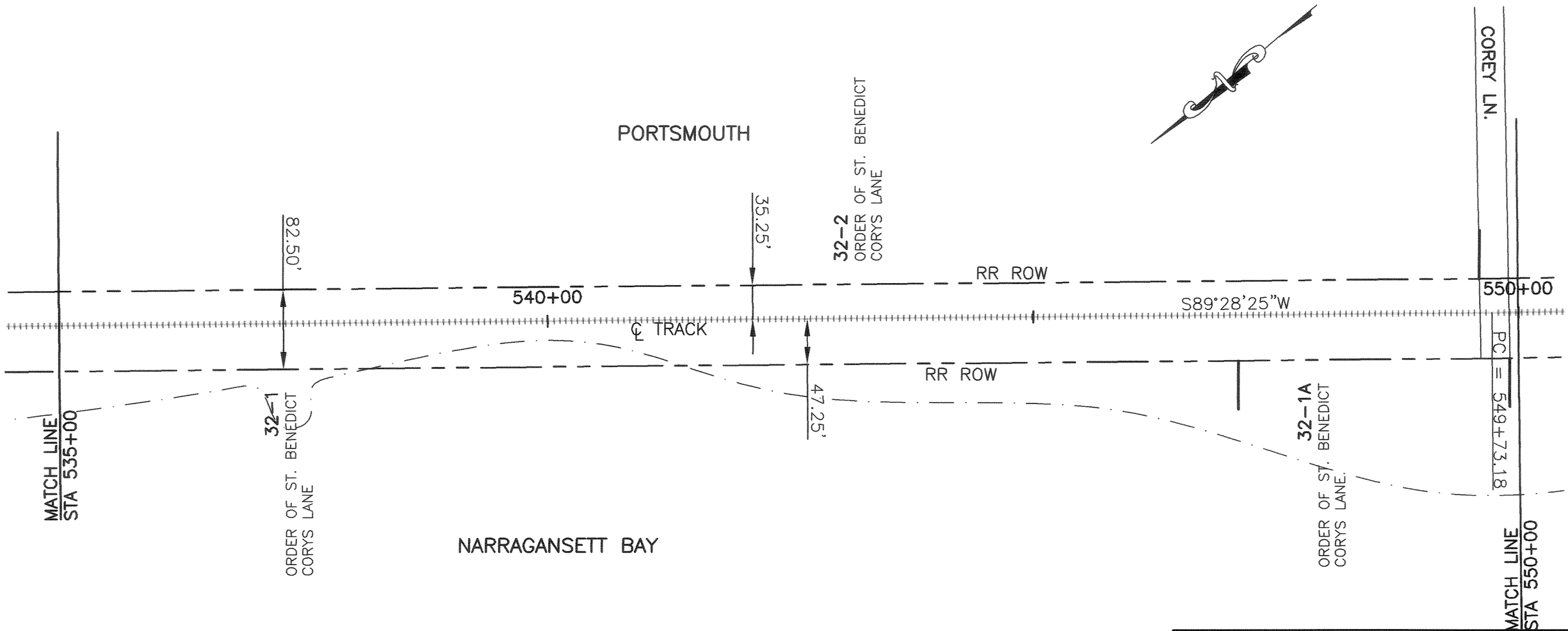
IN: Louis Berger Group, INC.	CAROL R. JOHNSON ASSOCIATES	KKO and Associates, L.L.C.	Barbara Sokoloff Associates	SCALE: 1" = 100'	DATE: MAY 16, 2002	PROJ. NO. GBR00103
				DES BY:	DRN BY: MERLB//LRD	SHEET: 26 OF 57



RHODE ISLAND
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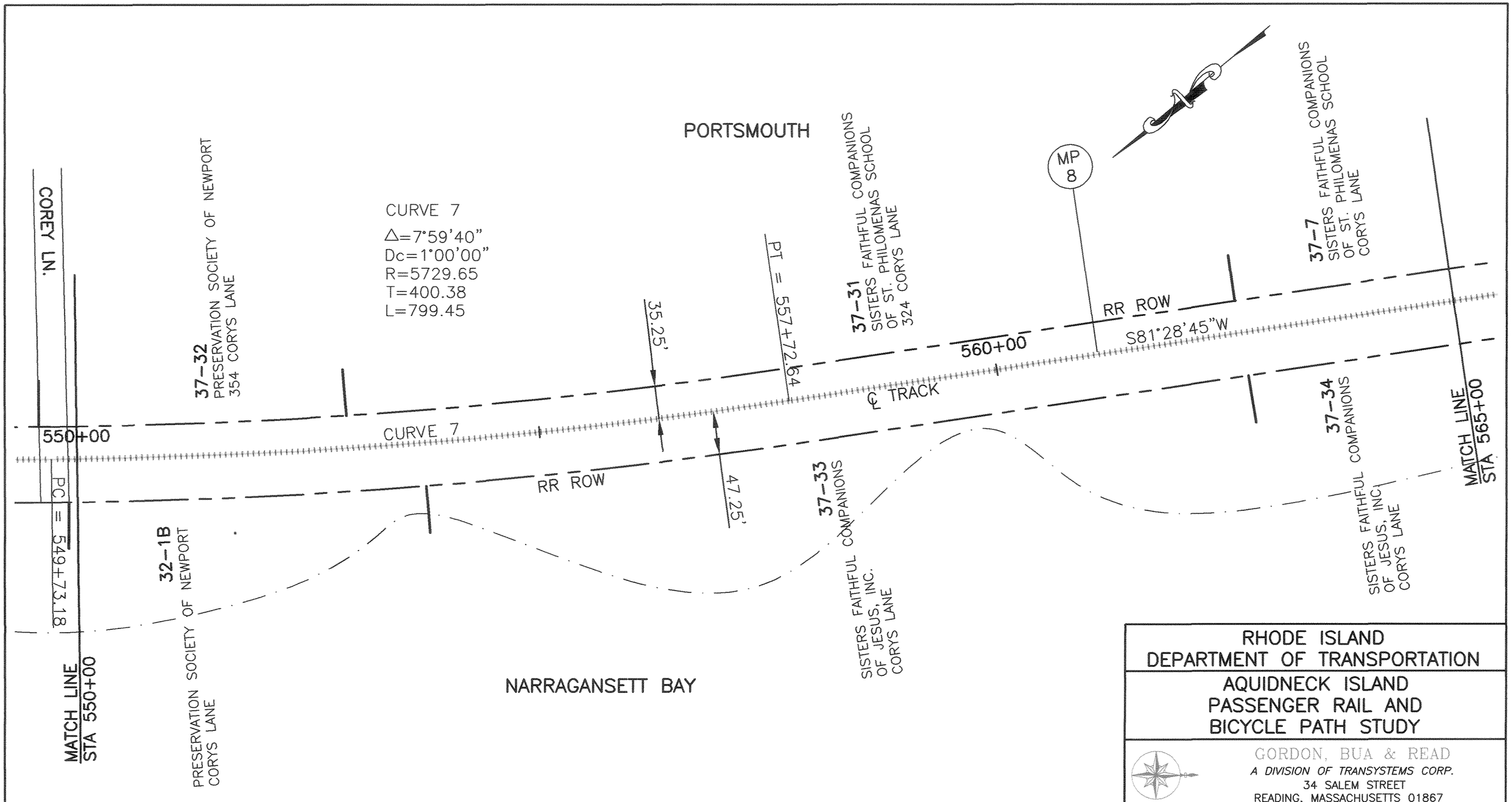
BICYCLE PATH STUDY

GORDON, BUA & READ
A DIVISION OF TRANSYSTEMS CORP.
34 SALEM STREET
READING, MASSACHUSETTS 01867

IH: Louis Berger Group, INC.	CAROL R. JOHNSON ASSOCIATES	KKO and Associates, L.L.C.	Barbara Sokoloff Associates	SCALE: 1" = 100'	DATE: MAY 16, 2002	PROJ. NO. GBR00103
				DES BY:	DRN BY: MER/LB/LRD	SHEET: 27 OF 57



RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

AQUIDNECK ISLAND
PASSENGER RAIL AND
BICYCLE PATH STUDY

GORDON, BUA & READ
A DIVISION OF TRANSYSTEMS CORP.
34 SALEM STREET
READING, MASSACHUSETTS 01867

The Louis Berger Group, Inc.	C R J A CAROL R. JOHNSON ASSOCIATES	KKO and Associates, L.L.C.	Barbara Sokoloff Associates	SCALE: 1" = 100'	DATE: MAY 16, 2002	PROJ. NO. GBR00103
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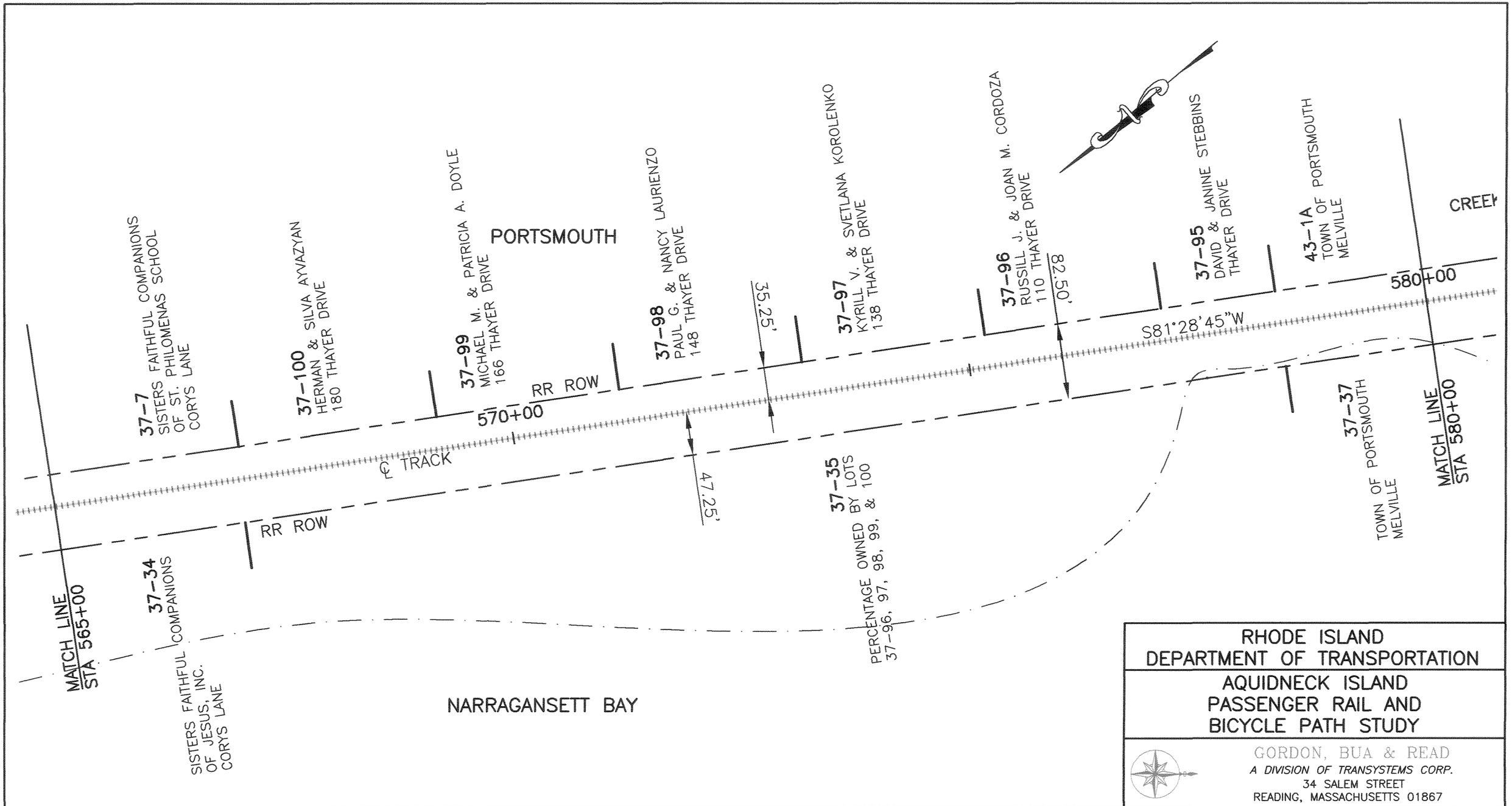

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

AQUIDNECK ISLAND
PASSENGER RAIL AND
BICYCLE PATH STUDY

GORDON, BUA & READ
A DIVISION OF TRANSYSTEMS CORP.
34 SALEM STREET
READING, MASSACHUSETTS 01867

IH: Louis Berger Group, INC.	CRJA CAROL R. JOHNSON ASSOCIATES	KKO and Associates, L.L.C.	Barbara Sokoloff Associates	SCALE: 1" = 100'	DATE: MAY 16, 2002	PROJ. NO. GBR00103
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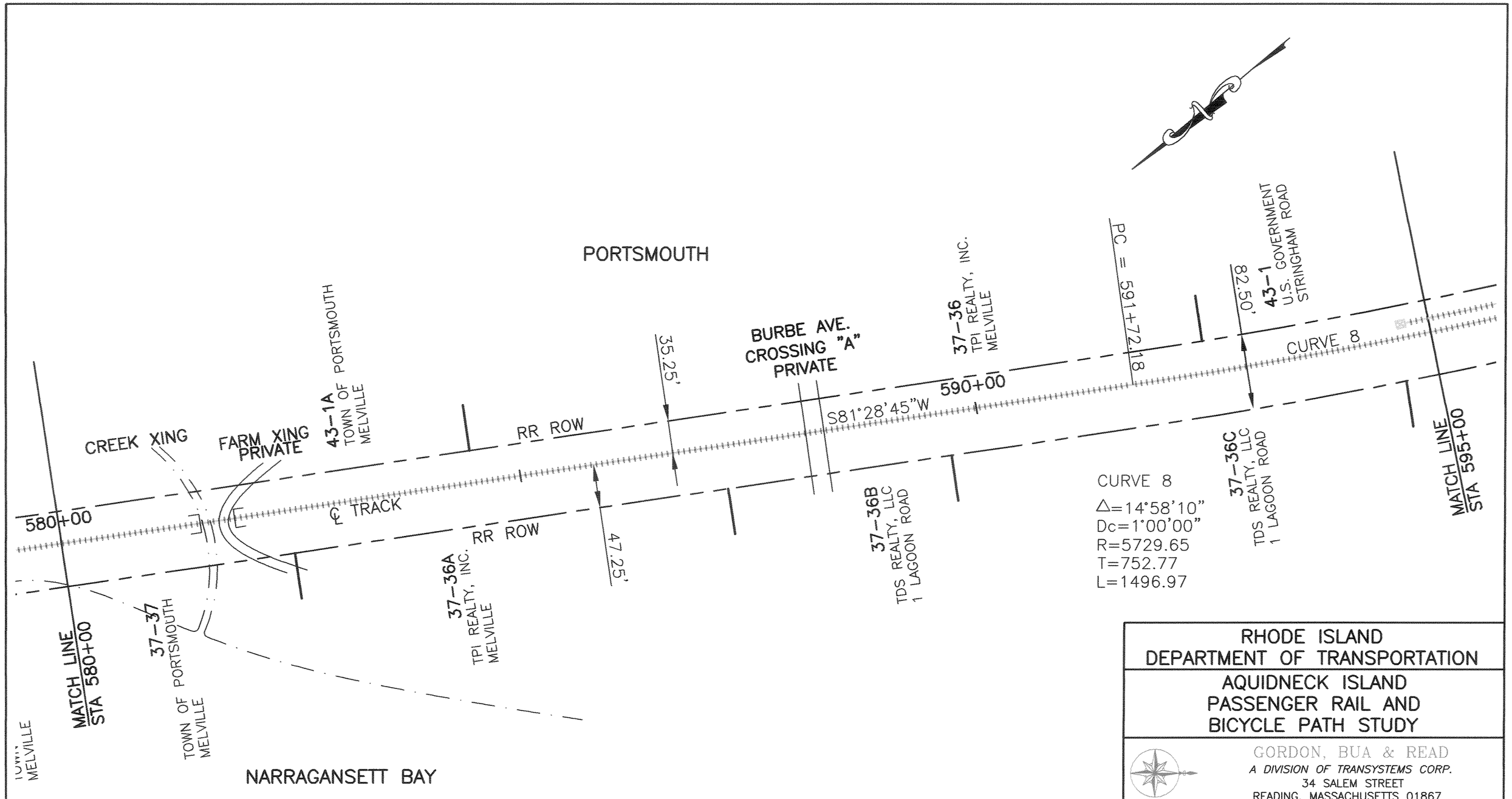

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34 SALEM STREET
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The Louis Berger Group, Inc.	CRJA CAROL R. JOHNSON ASSOCIATES	KKO and Associates, L.L.C.	Barbara Sokoloff Associates	SCALE: 1" = 100'	DATE: MAY 16, 2002	PROJ. NO. GBR00103
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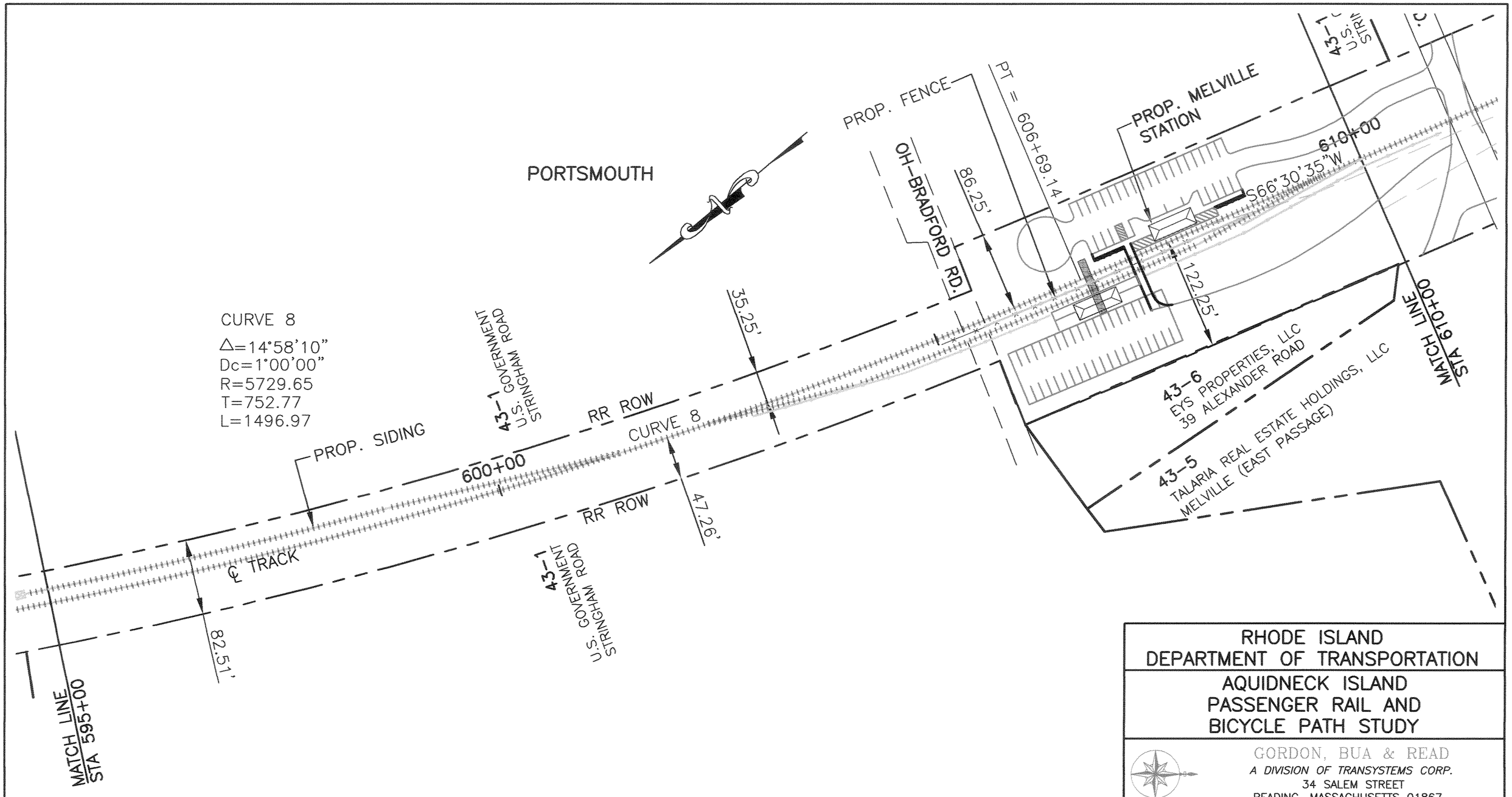

RHODE ISLAND
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PASSENGER RAIL AND
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A DIVISION OF TRANSYSTEMS CORP.
34 SALEM STREET
READING, MASSACHUSETTS 01867

The Louis Berger Group, Inc.	CRJA CAROL R. JOHNSON ASSOCIATES	KKO and Associates, L.L.C.	Barbara Sokoloff Associates	SCALE: 1" = 100'	DATE: JUNE 6, 2002	PROJ. NO. GBR00103
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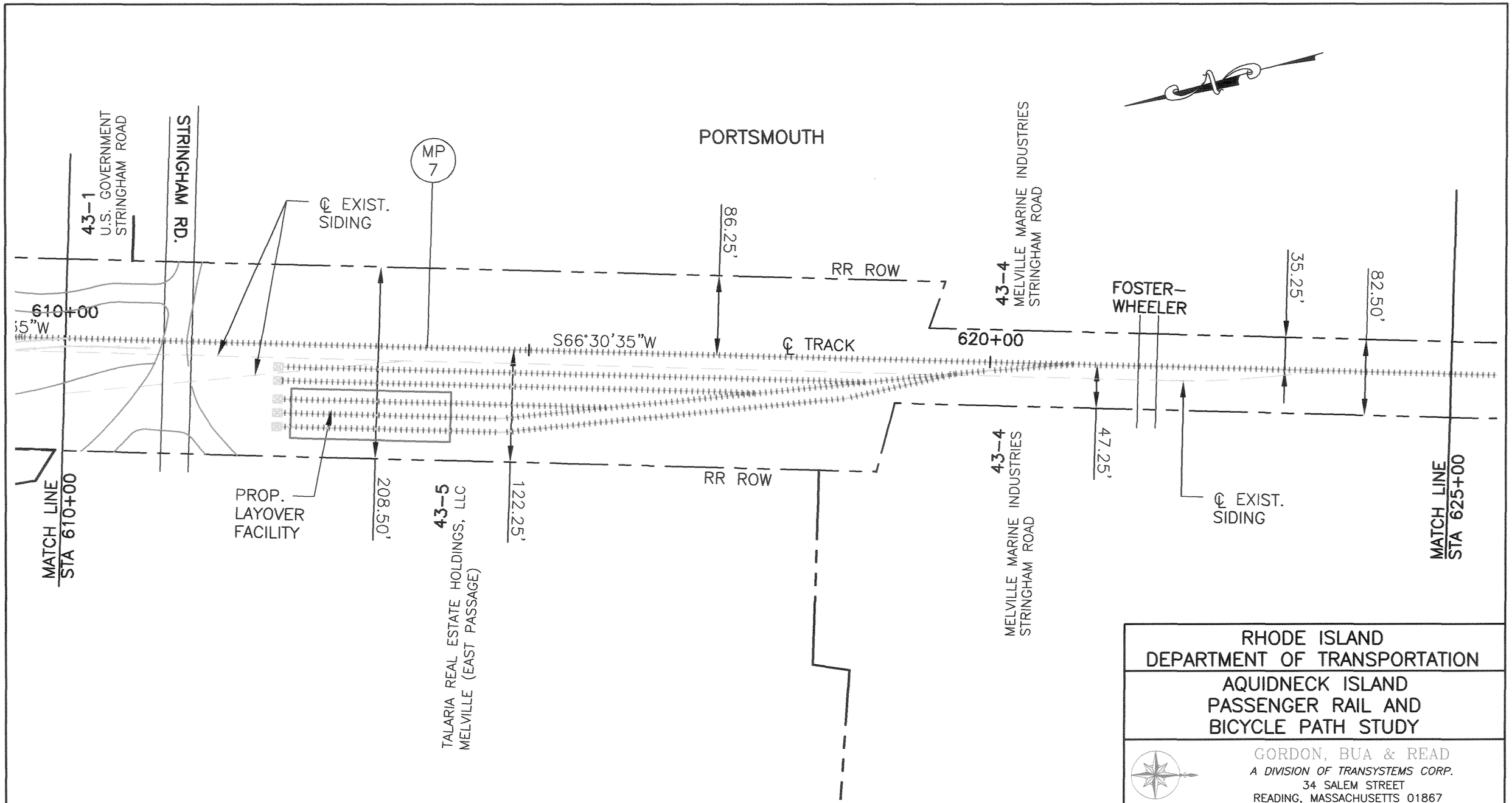

RHODE ISLAND
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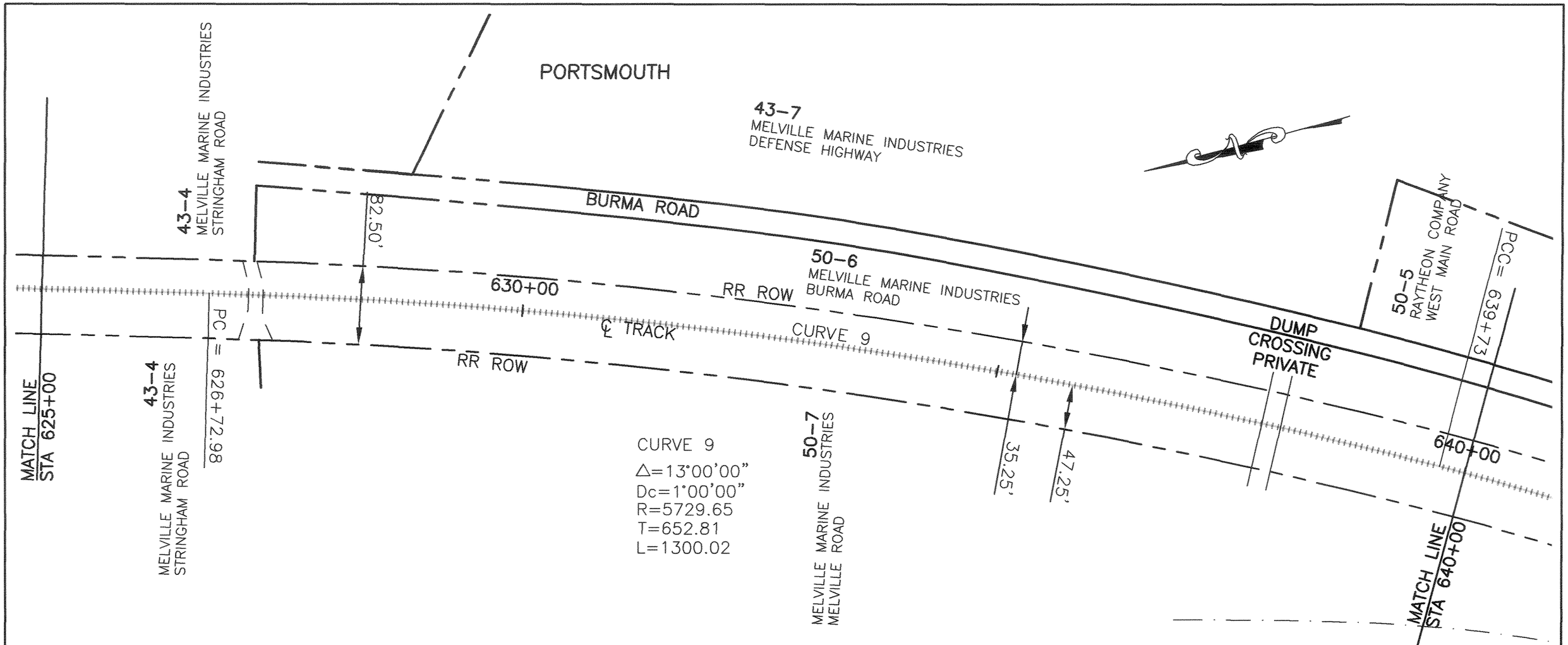
PASSENGER RAIL AND
BICYCLE PATH STUDY

GORDON, BUA & READ
A DIVISION OF TRANSYSTEMS CORP.
34 SALEM STREET
READING, MASSACHUSETTS 01867

IN: Louis Berger Group, INC.	CRJA CAROL R. JOHNSON ASSOCIATES	KKO and Associates, L.L.C.	Barbara Sokoloff Associates

SCALE: 1" = 100'	DATE: MAY 16, 2002	PROJ. NO. GBR00103
DES BY:	DRN BY: LB/LRD/MER	SHEET: 32 OF 57



RHODE ISLAND
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AQUIDNECK ISLAND
PASSENGER RAIL AND
BICYCLE PATH STUDY

GORDON, BUA & READ
A DIVISION OF TRANSYSTEMS CORP.
34 SALEM STREET
READING, MASSACHUSETTS 01867

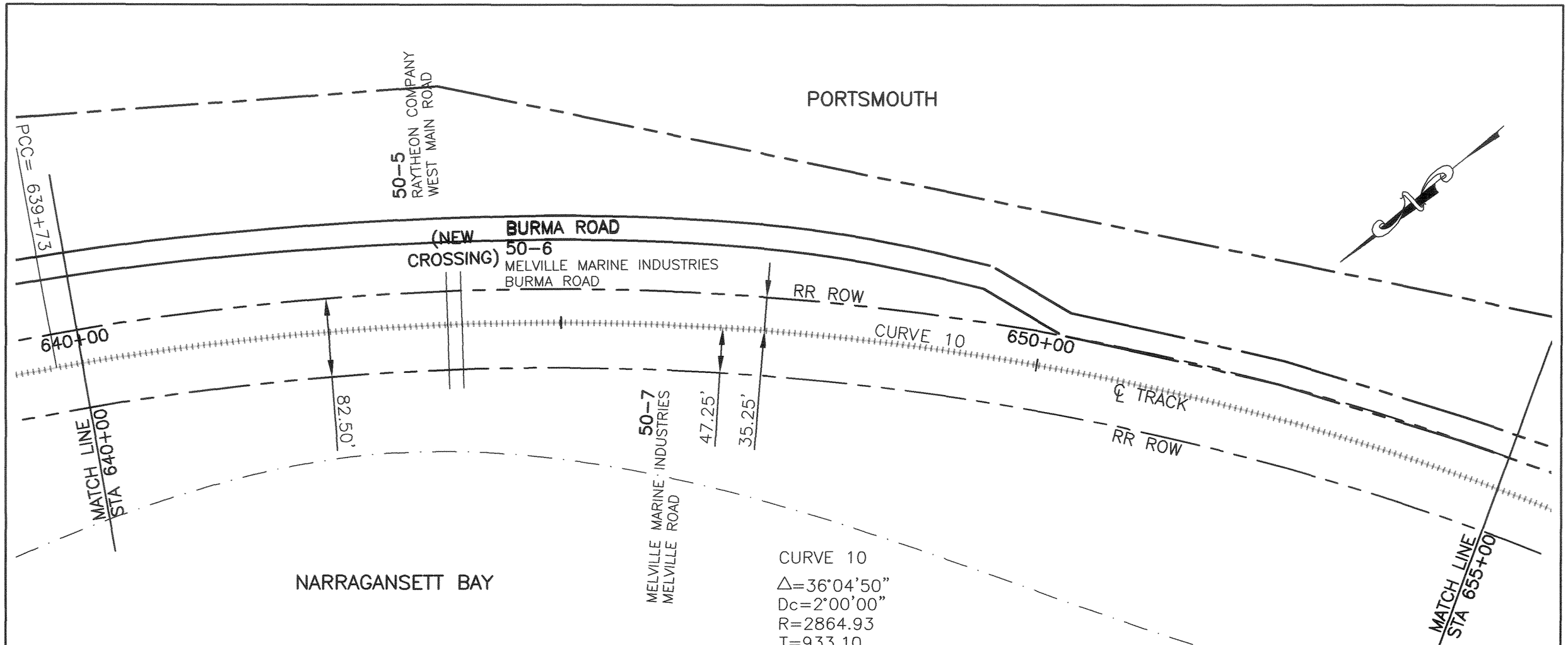
IN: Louis Berger Group, INC.

C R J A
CAROL R. JOHNSON ASSOCIATES

KKO and Associates, L.L.C.

Barbara Sokoloff
Associates

SCALE:	DATE:	PROJ. NO.
1" = 100'	MAY 16, 2002	GBR00103
DES BY:	DRN BY: LB/LRD/MER	SHEET: 33 OF 57



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PASSENGER RAIL AND
BICYCLE PATH STUDY

GORDON, BUA & READ
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34 SALEM STREET
READING, MASSACHUSETTS 01867

IN: Louis Berger Group, INC.	CRJA CAROL R. JOHNSON ASSOCIATES	KKO and Associates, L.L.C.	Barbara Sokoloff Associates	SCALE: 1" = 100'	DATE: MAY 16, 2002	PROJ. NO. GBR00103
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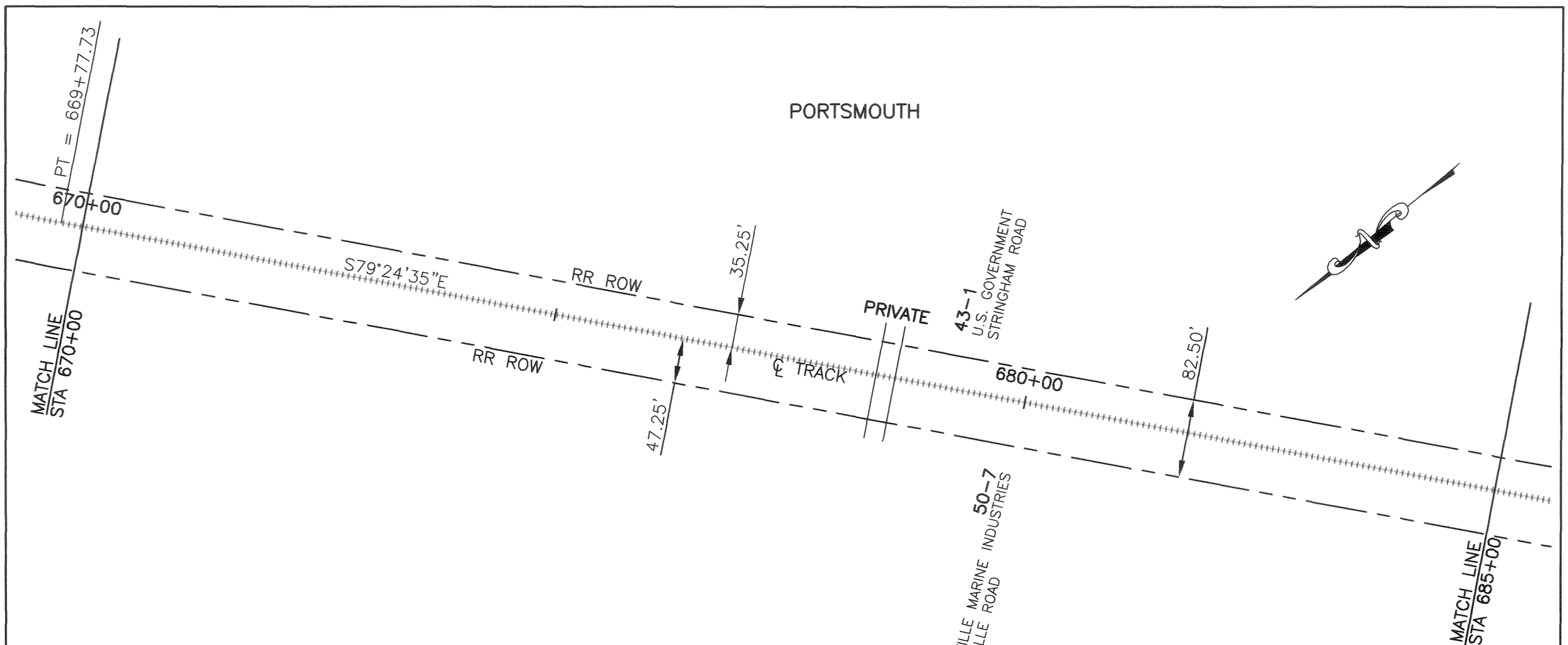

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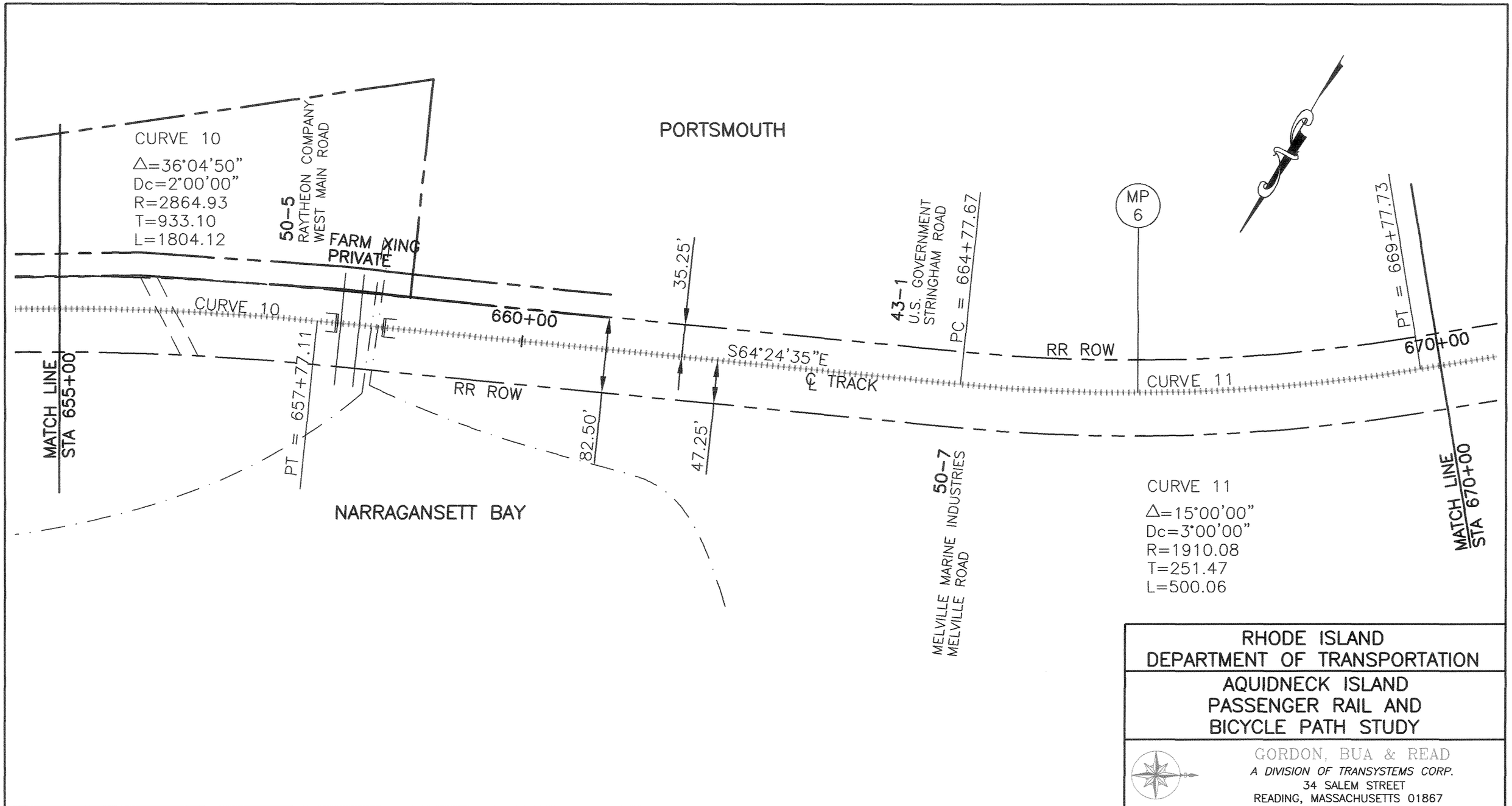
				DES BY:	DRN BY: LB/LRD/MER	SHEET: 36 OF 57



RHODE ISLAND
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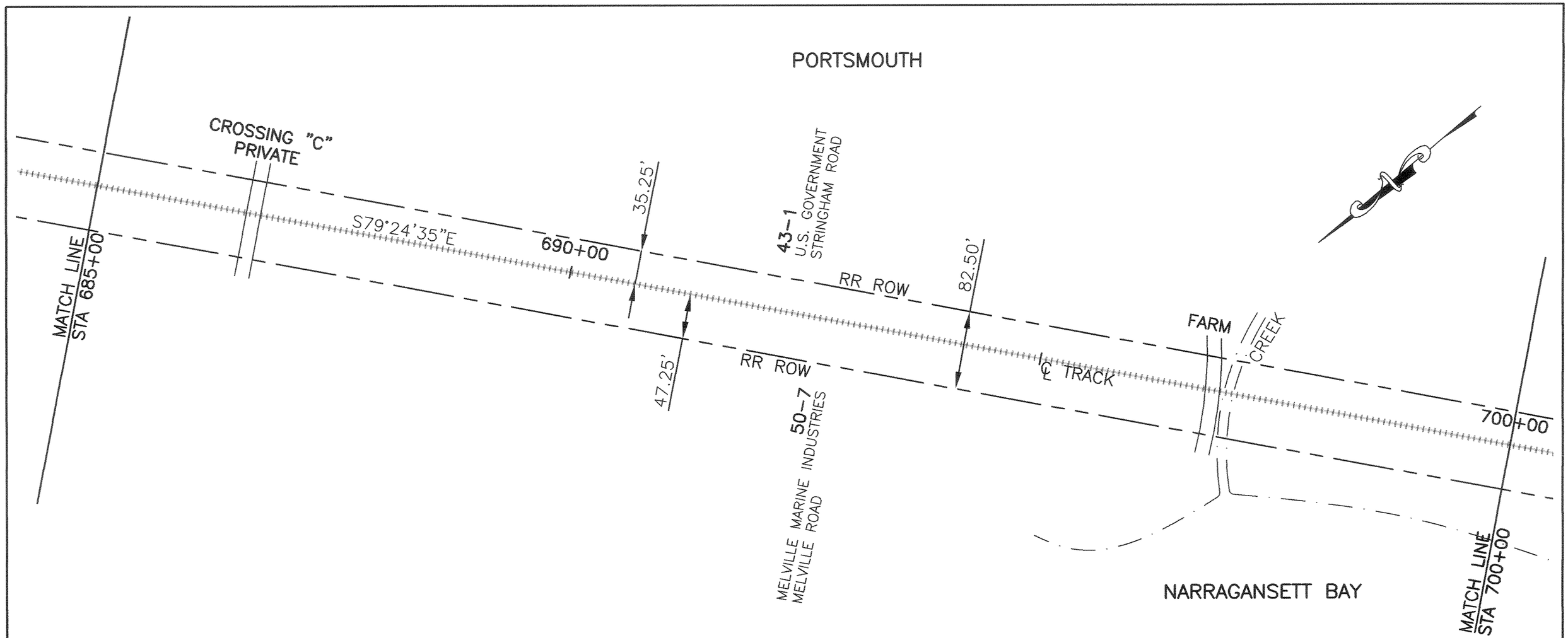
The Louis Berger Group, Inc.	CAROL R. JOHNSON ASSOCIATES	KKO and Associates, L.L.C.	Barbara Sokoloff Associates	SCALE: 1" = 100'	DATE: MAY 16, 2002	PROJ. NO. GBR00103
				DES BY:	DRN BY: LB/LRD/MER	SHEET: 35 OF 57



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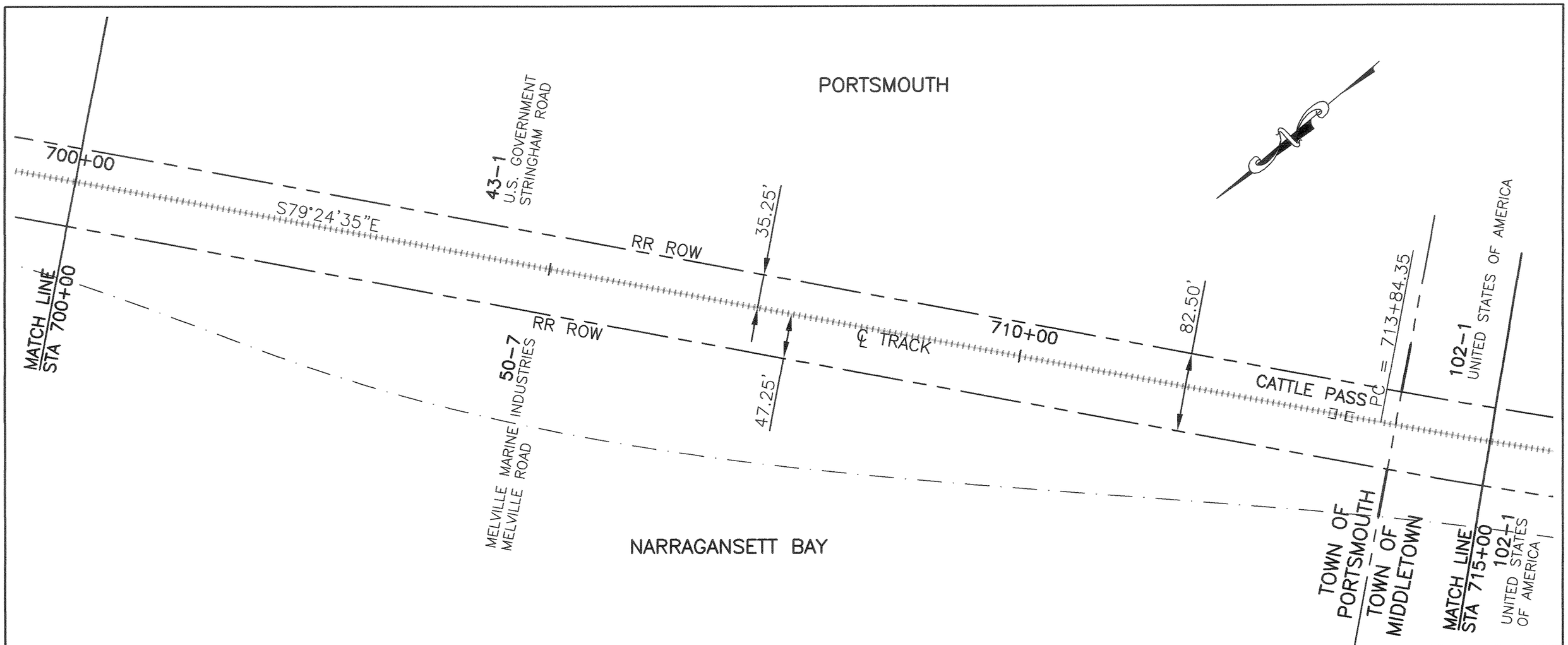

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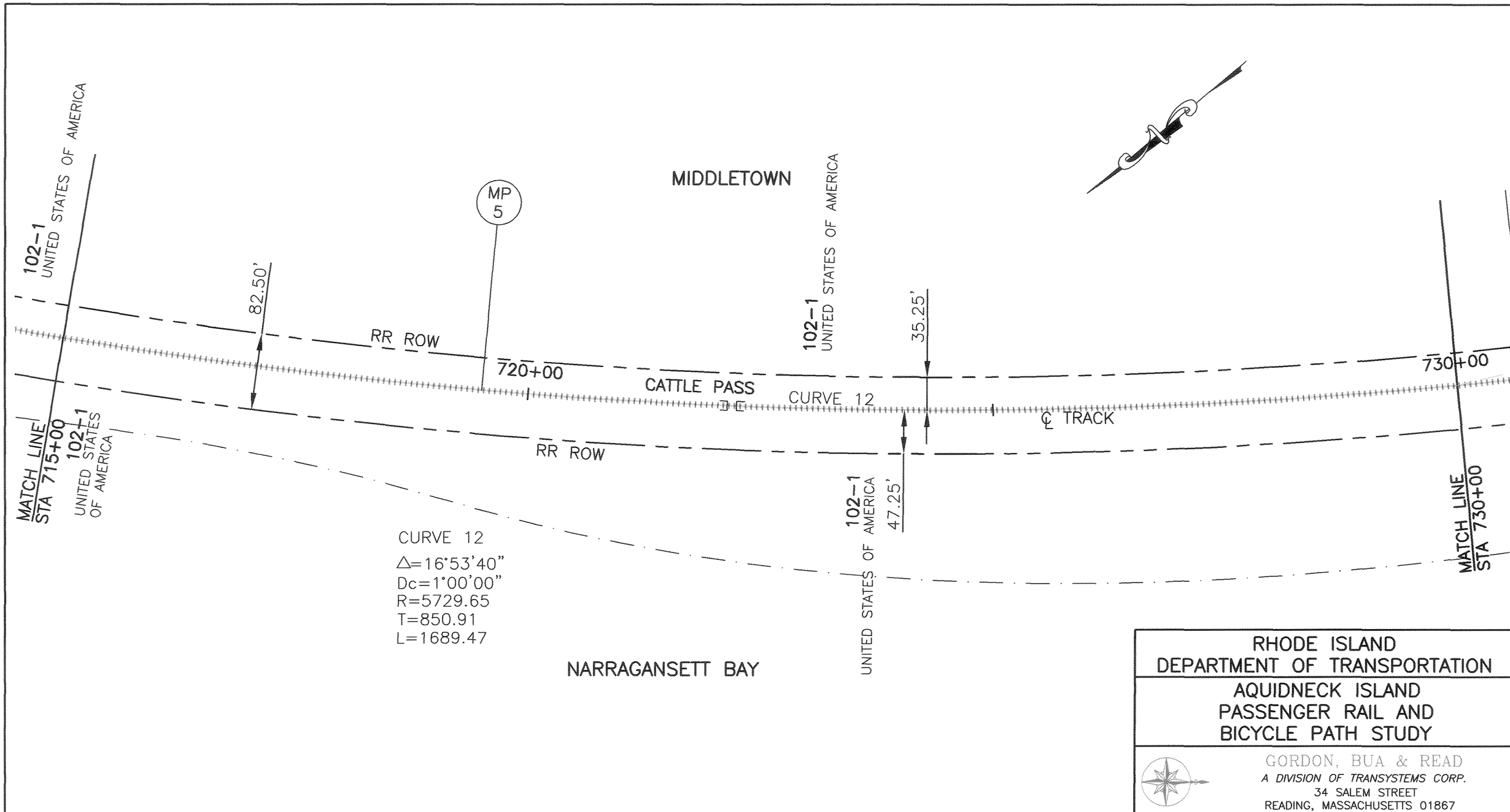

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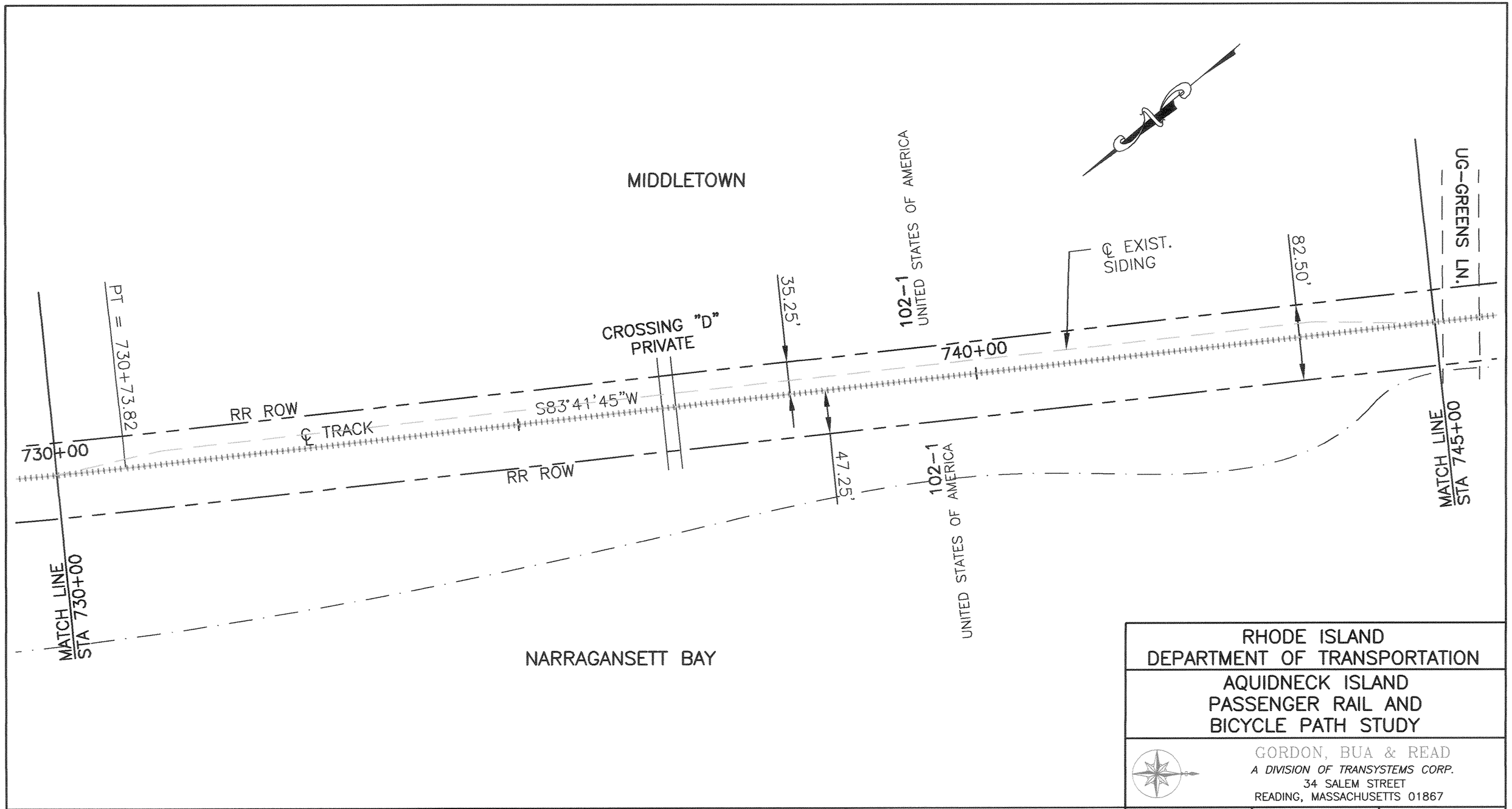

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PASSENGER RAIL AND
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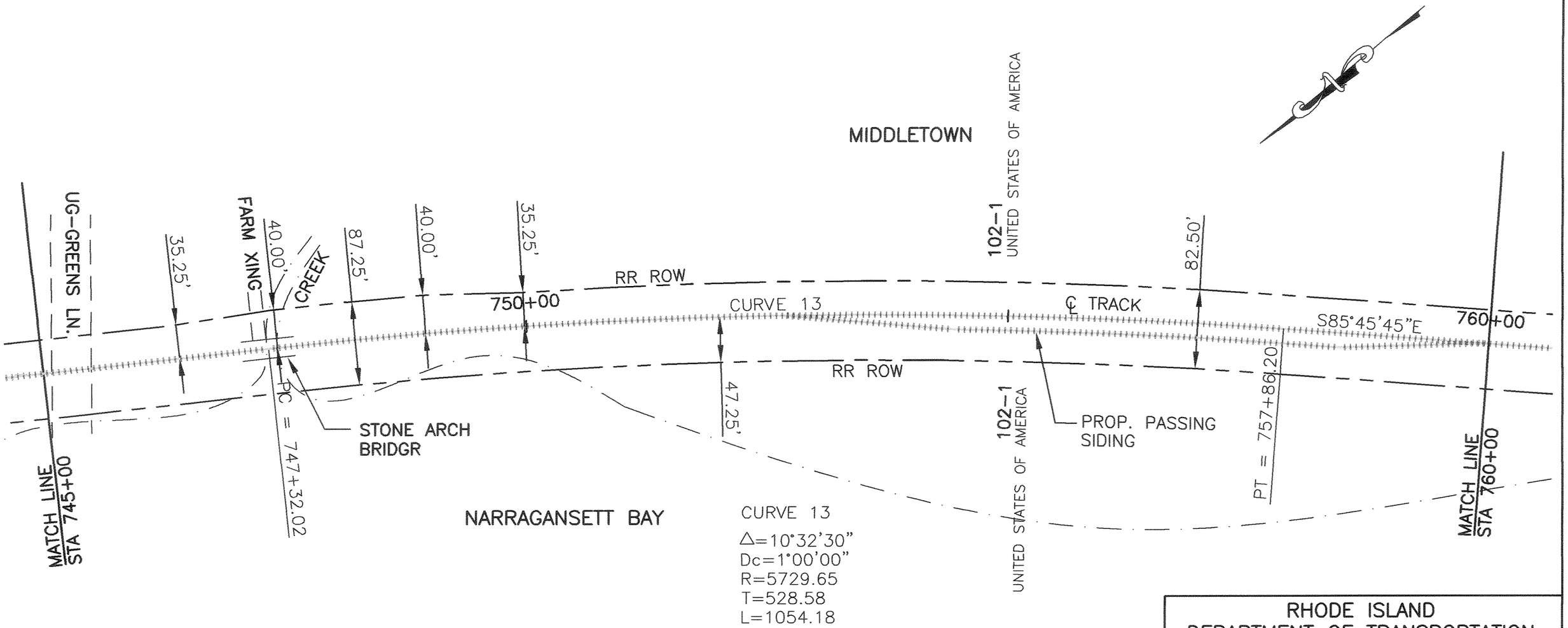

RHODE ISLAND
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AQUIDNECK ISLAND
PASSENGER RAIL AND
BICYCLE PATH STUDY

GORDON, BUA & READ
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34 SALEM STREET
READING, MASSACHUSETTS 01867

IN: Louis Berger Group, INC.	CAROL R. JOHNSON ASSOCIATES	KKO and Associates, L.L.C.	Barbara Sokoloff Associates	SCALE: 1" = 100'	DATE: MAY 16, 2002	PROJ. NO. GBR00103
				DES BY:	DRN BY: LB/LRD/MER	SHEET: 41 OF 57

105–2
CATHOLIC CEMETERIES, INC.
405 BROWNS LANE

82.5'

102–1
UNITED STATES OF AMERICA

MATCH LINE
STA 775+00

MP 4

CURVE 14
Δ=68°22'20"
Dc=4°00'00"
R=1432.65
T=973.12
L=1709.61

CURVE 14

MIDDLETOWN

102–1
UNITED STATES OF AMERICA

35.25'
48.00'
53.00'
53.00'
41.00'
35.25'

760+00

770+00

℄ TRACK

RR ROW

PEDESTRIAN CROSSING

RR ROW

PC = 764+81.22

47.25'

102–1
UNITED STATES OF AMERICA

MATCH LINE
STA 760+00

NARRAGANSETT BAY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

AQUIDNECK ISLAND
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A DIVISION OF TRANSYSTEMS CORP.
34 SALEM STREET
READING, MASSACHUSETTS 01867

IN: Louis Berger Group, INC.	CAROL R. JOHNSON ASSOCIATES	KKO and Associates, L.L.C.	Barbara Sokoloff Associates	SCALE: 1" = 100'	DATE: MAY 16, 2002	PROJ. NO. GBR00103
				DES BY:	DRN BY: LB/LRD/MER	SHEET: 42 OF 57

MIDDLETOWN

CURVE 14
Δ=68°22'20"
Dc=4°00'00"
R=1432.65
T=973.12
L=1709.61

102-1
UNITED STATES OF AMERICA

82.50'

MATCH LINE
STA 775+00

CROSSING "E"
(DUMP)

780+00 ℄ TRACK

CURVE 14

S25°51'55"W

PT = 781+90.83

EXIST.
℄ SIDING

105-2
CATHOLIC CEMETERIES, INC
405 BROWNS LANE

RR ROW

PC = 783+86.22

102-1
UNITED STATES OF AMERICA

RR ROW

35.25'

47.25'

CURVE 15

Δ=39°53'10"
Dc=4°00'00"
R=1432.65
T=519.83
L=997.33

CURVE 15

790+00

UG-BROWNS LN.

106-1
WANUMETONOMY GOLF & COUNTRY CLUB, INC.
152 BROWNS LANE

MATCH LINE
STA 790+00

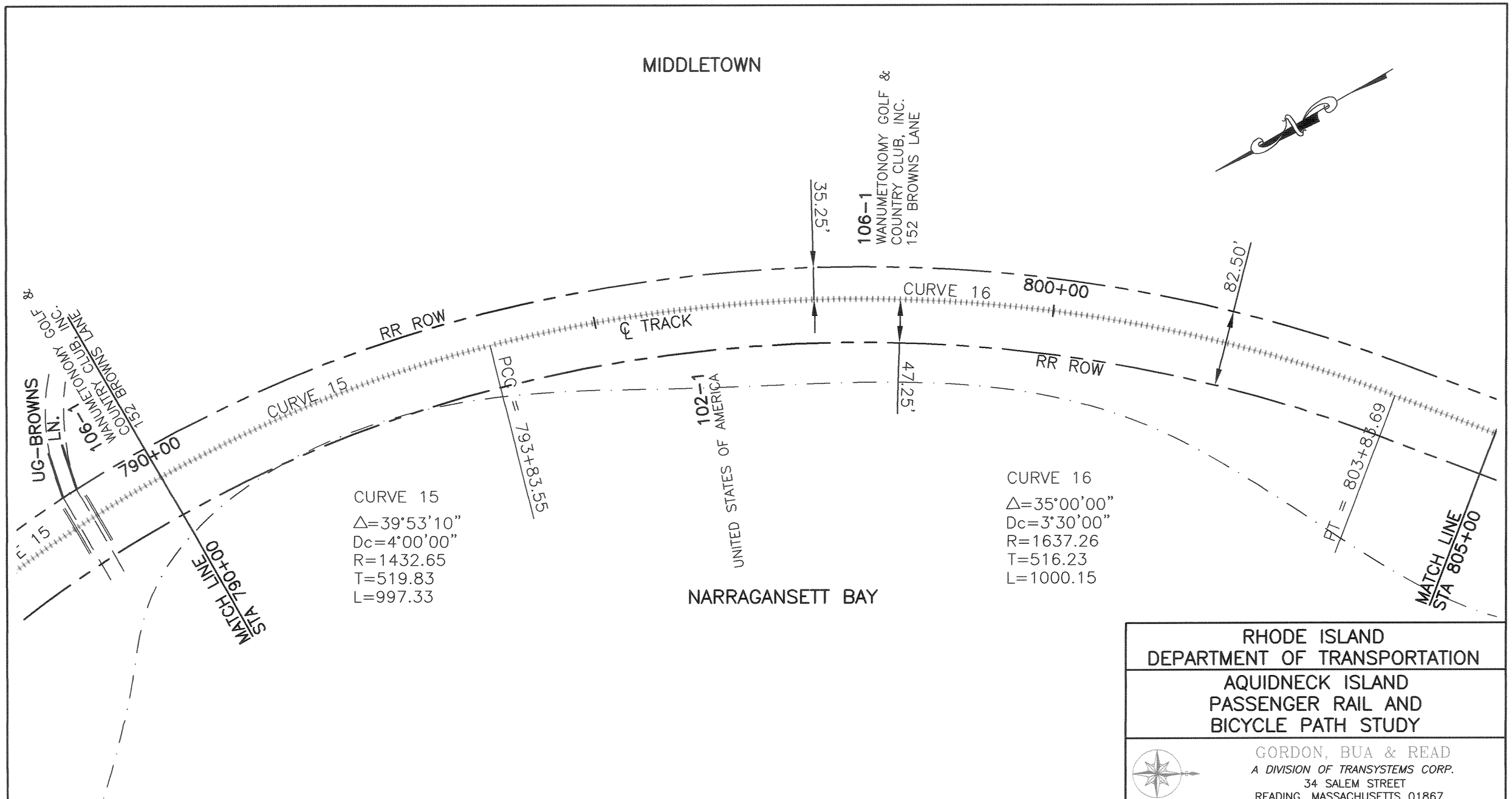
NARRAGANSETT BAY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

AQUIDNECK ISLAND
PASSENGER RAIL AND
BICYCLE PATH STUDY

GORDON, BUA & READ
A DIVISION OF TRANSYSTEMS CORP.
34 SALEM STREET
READING, MASSACHUSETTS 01867

The Louis Berger Group, Inc.	CRJA CAROL R. JOHNSON ASSOCIATES	KKO and Associates, L.L.C.	Barbara Sokoloff Associates	SCALE: 1" = 100'	DATE: MAY 16, 2002	PROJ. NO. GBR00103
				DES BY:	DRN BY: MER/LB/LRD	SHEET: 43 OF 57



RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

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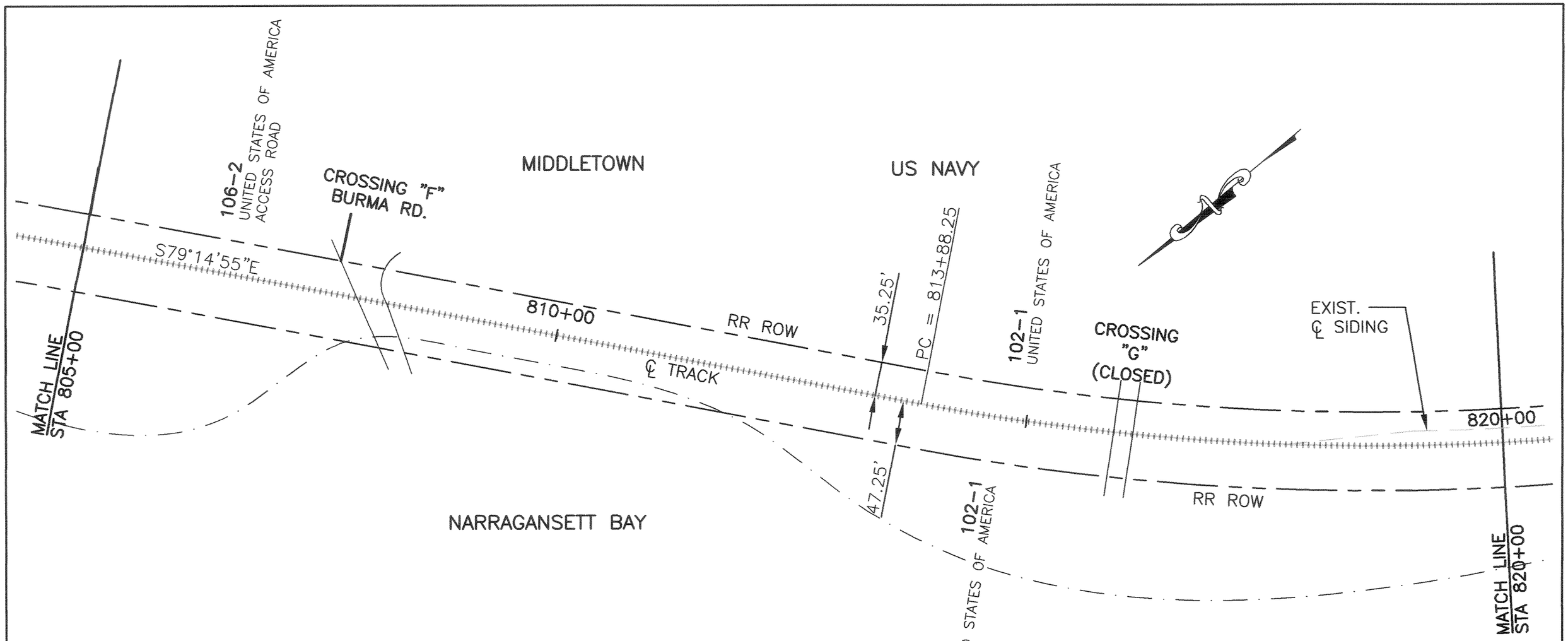
34 SALEM STREET
READING, MASSACHUSETTS 01867

IN: Louis Berger Group, INC.	CAROL R. JOHNSON ASSOCIATES	KKO and Associates, L.L.C.	Barbara Sokoloff Associates

SCALE: 1" = 100'	DATE: MAY 16, 2002	PROJ. NO. GBR00103
DES BY:	DRN BY: MER/LB/LRD	SHEET: 44 OF 57



RHODE ISLAND
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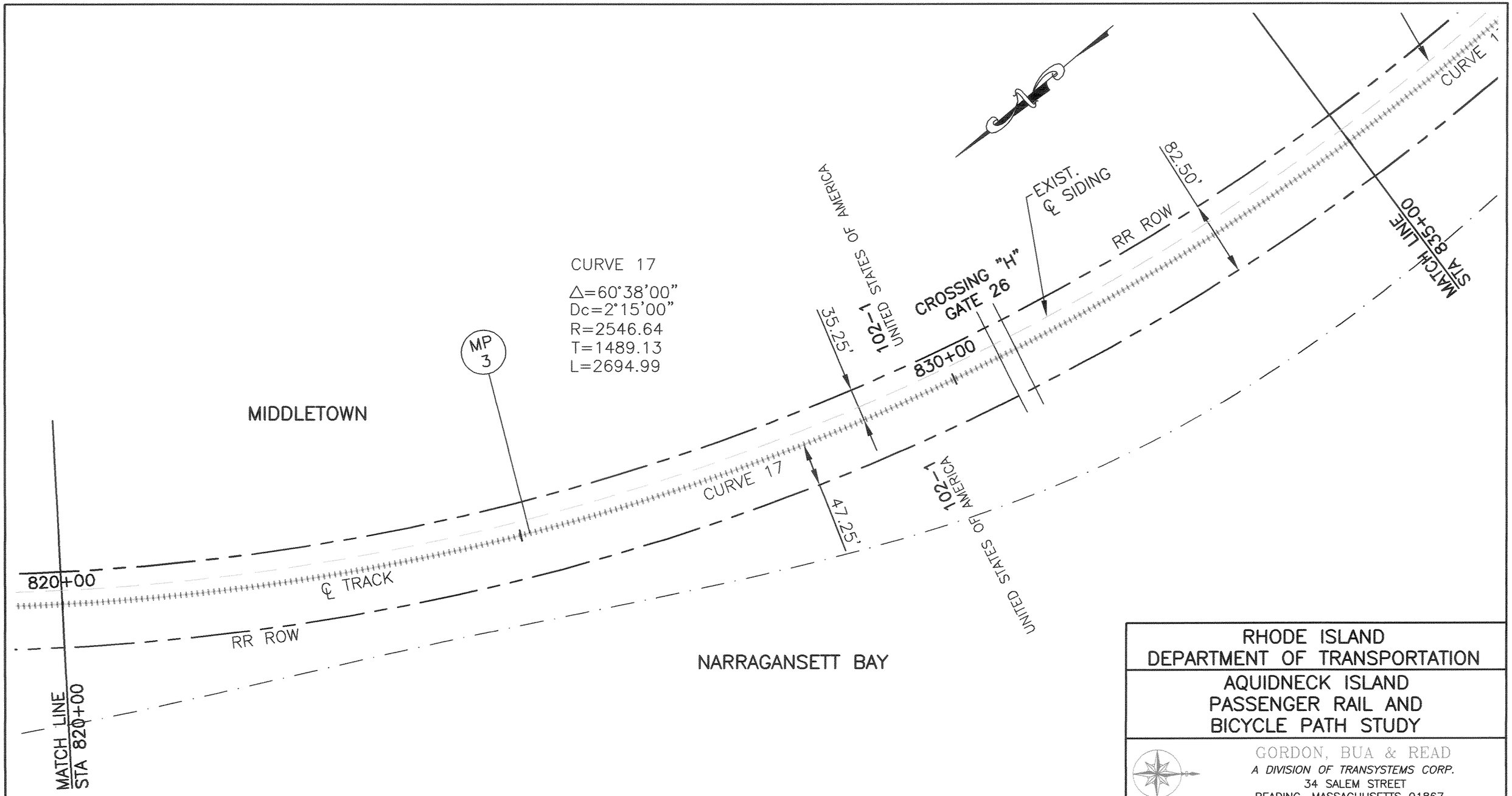
				DES BY:	DRN BY: MER/LB/LRD	SHEET: 45 OF 57



RHODE ISLAND
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The Louis Berger Group, Inc.	CRJA CAROL R. JOHNSON ASSOCIATES	KKO and Associates, L.L.C.	Barbara Sokoloff Associates	SCALE: 1" = 100'	DATE: MAY 16, 2002	PROJ. NO. GBR00103
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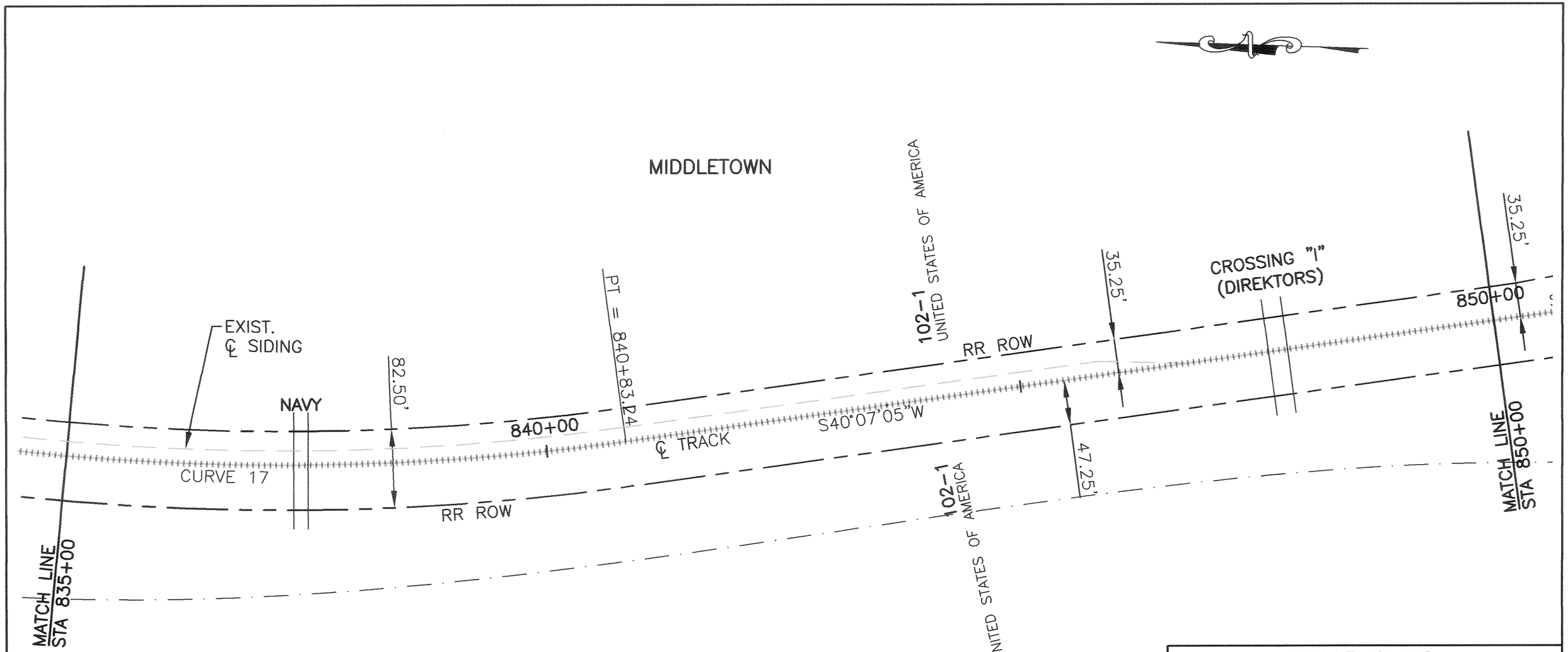

CURVE 17

Δ=60°38'00"
Dc=2°15'00"
R=2546.64
T=1489.13
L=2694.99

RHODE ISLAND
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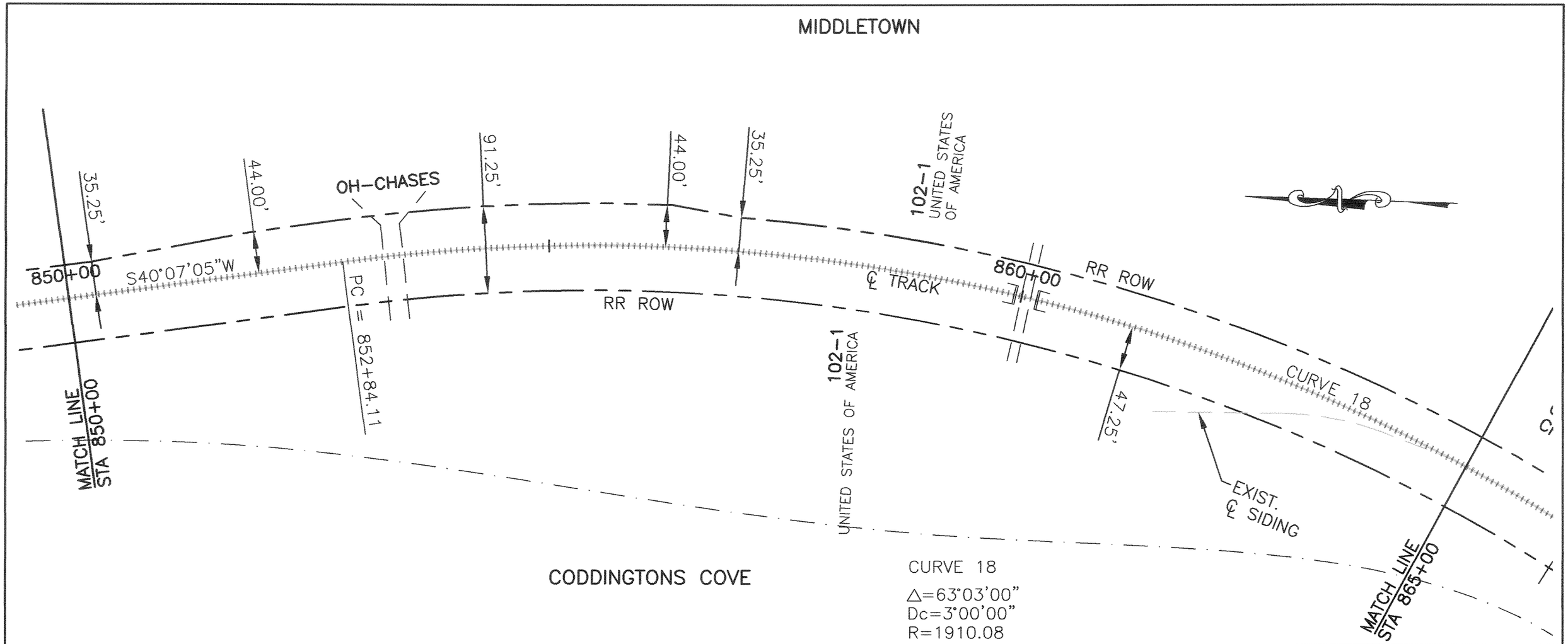
The Louis Berger Group, INC.

CAROL R. JOHNSON ASSOCIATES

KKO and Associates, L.L.C.

Barbara Sokoloff Associates

SCALE:	DATE:	PROJ. NO.
1" = 100'	MAY 16, 2002	GBR00103
DES BY:	DRN BY: MER/LB/LRD	SHEET: 47 OF 57



RHODE ISLAND
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PASSENGER RAIL AND
BICYCLE PATH STUDY

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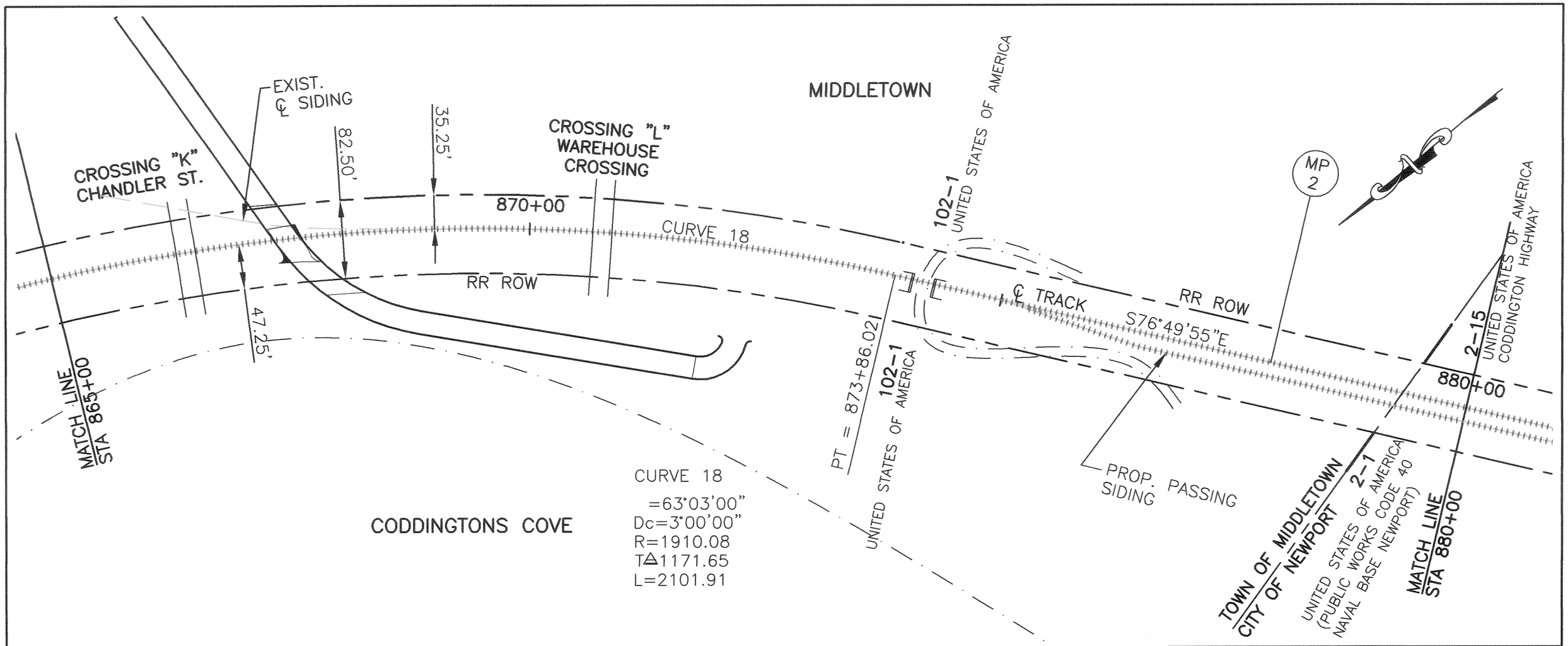
34 SALEM STREET
READING, MASSACHUSETTS 01867

IN: Louis Berger Group, INC.	CAROL R. JOHNSON ASSOCIATES	KKO and Associates, L.L.C.	Barbara Sokoloff Associates	SCALE: 1" = 100'	DATE: MAY 16, 2002	PROJ. NO. GBR00103
				DES BY:	DRN BY: MER/LB/LRD	SHEET: 48 OF 57



RHODE ISLAND
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PASSENGER RAIL AND
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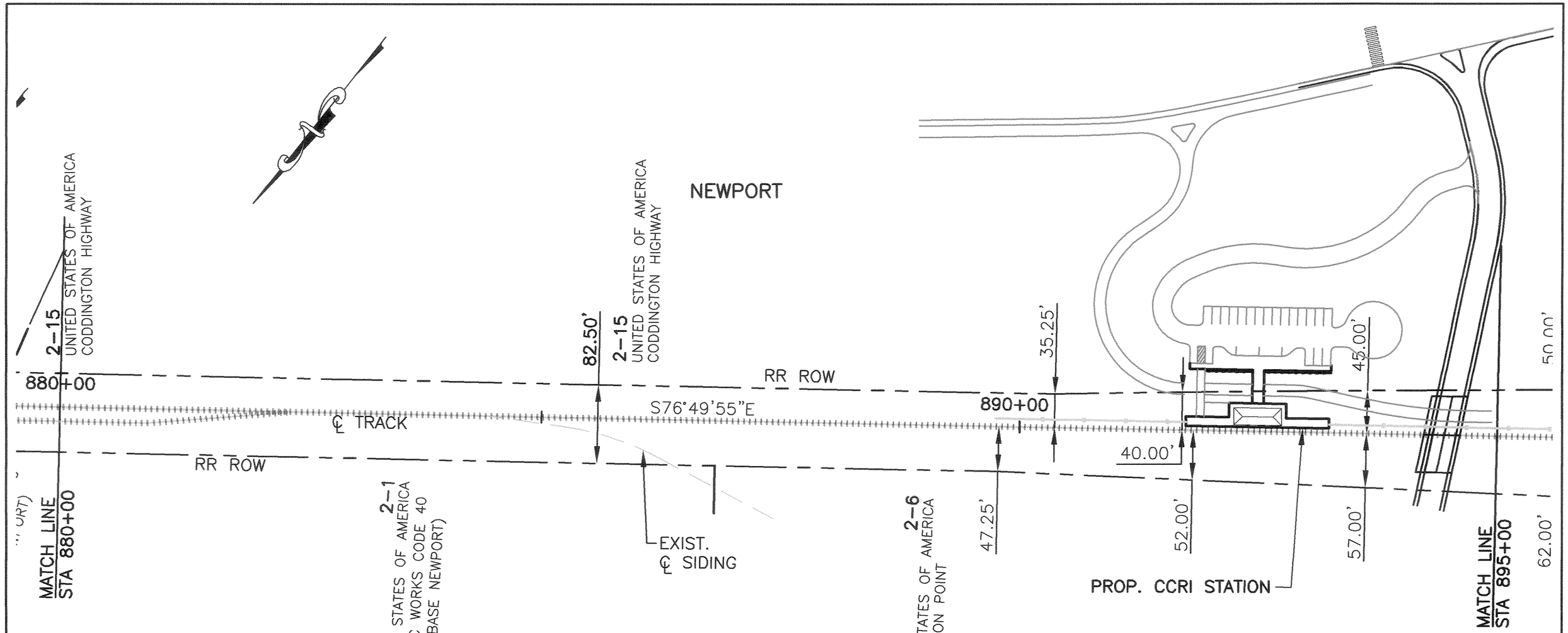
in: Louis Berger Group, INC.	CAROL R. JOHNSON ASSOCIATES	KKO and Associates, L.L.C.	Barbara Sokoloff Associates	SCALE: 1" = 100'	DATE: MAY 16, 2002	PROJ. NO. GBR00103
				DES BY:	DRN BY: MER/LB/LRD	SHEET: 49 OF 57

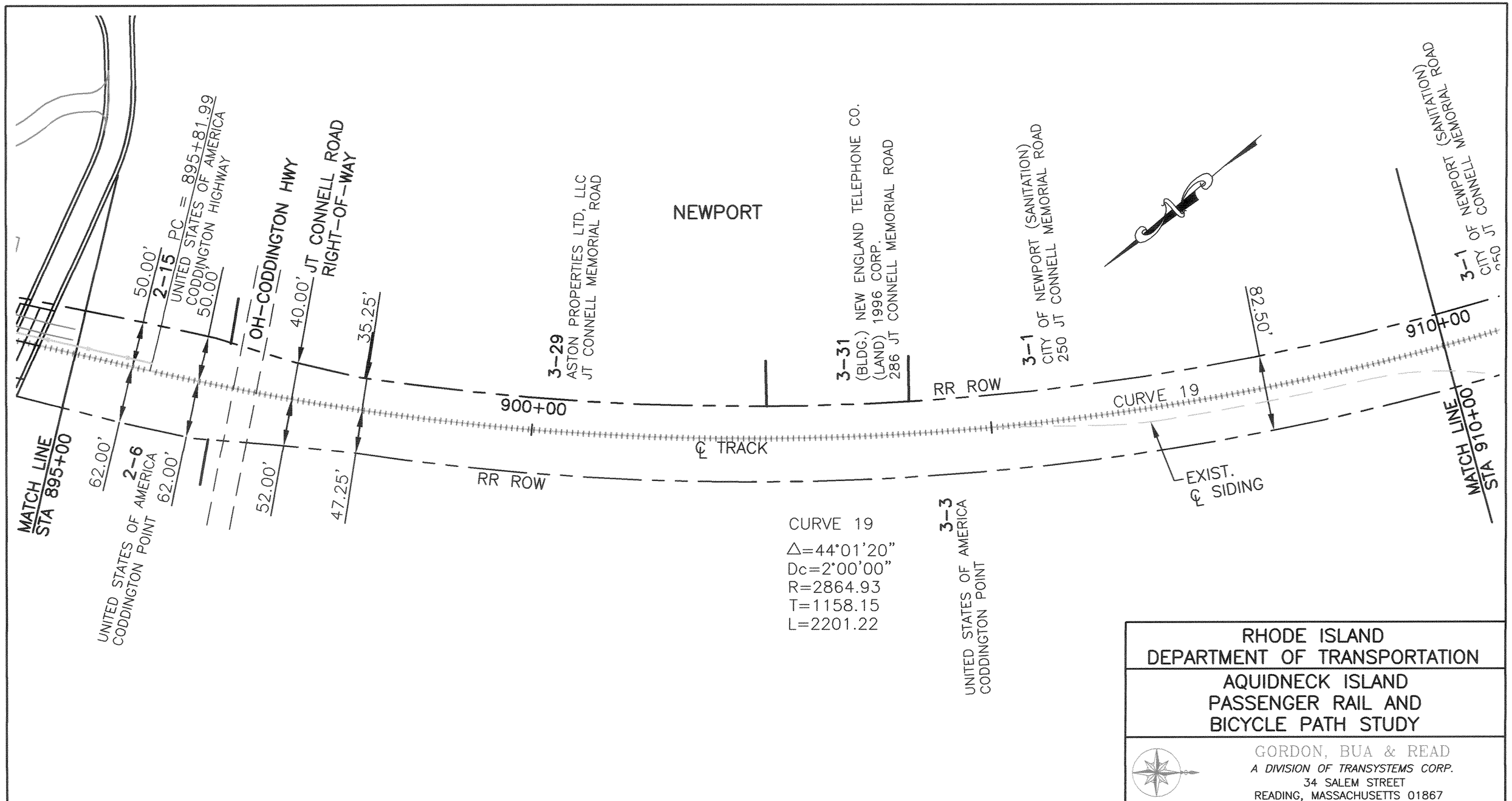


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

AQUIDNECK ISLAND
PASSENGER RAIL AND
BICYCLE PATH STUDY

GORDON, BUA & READ
A DIVISION OF TRANSYSTEMS CORP.
34 SALEM STREET
READING, MASSACHUSETTS 01867

IH: Louis Berger Group, INC.	CAROL R. JOHNSON ASSOCIATES	KKO and Associates, L.L.C.	Barbara Sokoloff Associates	SCALE: 1" = 100'	DATE: MAY 16, 2002	PROJ. NO. GBR00103
				DES BY:	DRN BY: MER/LB/LRD	SHEET: 50 OF 57



RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

AQUIDNECK ISLAND
PASSENGER RAIL AND
BICYCLE PATH STUDY

GORDON, BUA & READ
A DIVISION OF TRANSYSTEMS CORP.
34 SALEM STREET
READING, MASSACHUSETTS 01867

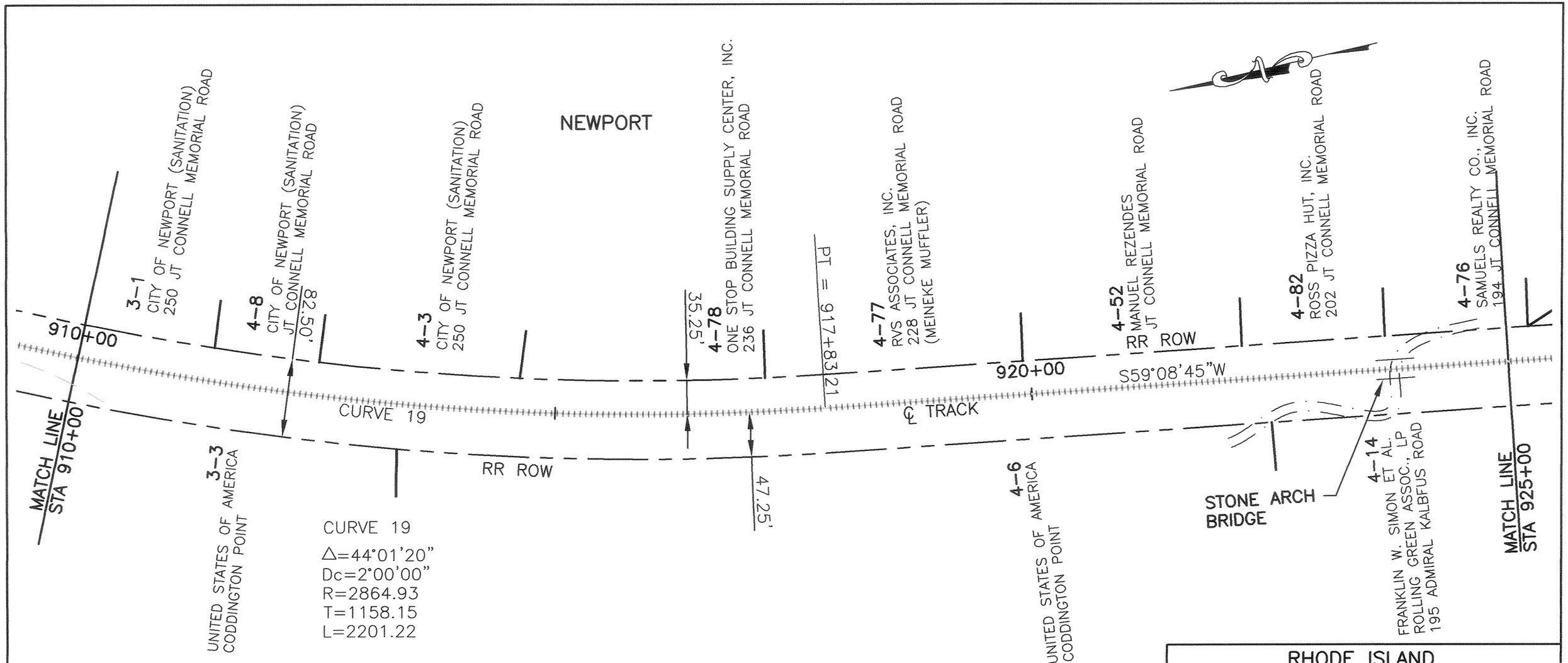
The Louis Berger Group, INC.

CAROL R. JOHNSON ASSOCIATES

KKO and Associates, L.L.C.

Barbara Sokoloff Associates

SCALE:	DATE:	PROJ. NO.
1" = 100'	MAY 16, 2002	GBR00103
DES BY:	DRN BY: LB/LRD/MER	SHEET: 51 OF 57



RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

AQUIDNECK ISLAND
PASSENGER RAIL AND
BICYCLE PATH STUDY

GORDON, BUA & READ
A DIVISION OF TRANSYSTEMS CORP.
34 SALEM STREET
READING, MASSACHUSETTS 01867

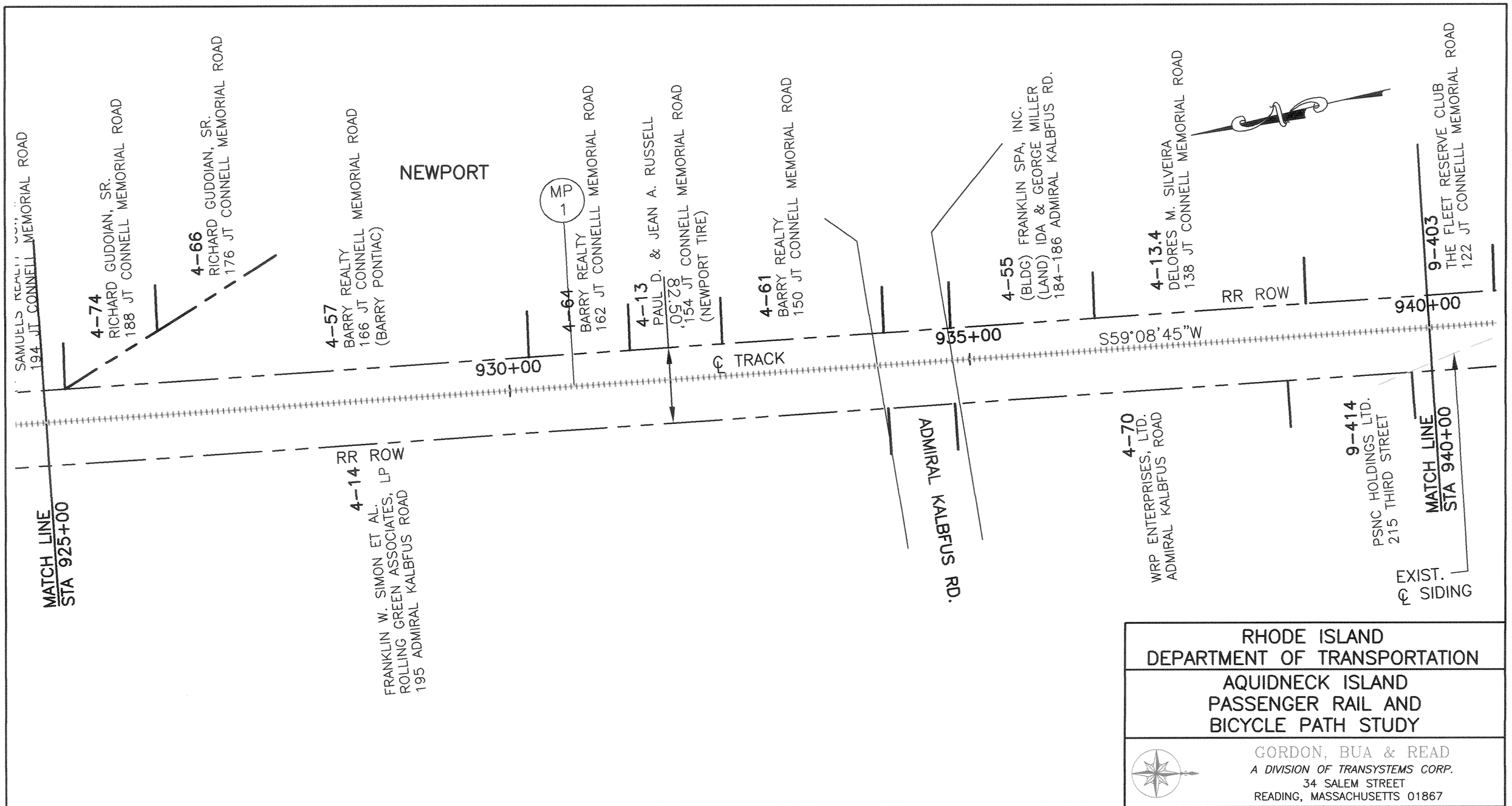
The Louis Berger Group, INC.

C R J A
CAROL R. JOHNSON ASSOCIATES

KKO and Associates, L.L.C.

Barbara Sokoloff
Associates

SCALE:	DATE:	PROJ. NO.
1" = 100'	MAY 16, 2002	GBR00103
DES BY:	DRN BY: MER/LB/LRD	SHEET: 52 OF 57



RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

AQUIDNECK ISLAND
PASSENGER RAIL AND
BICYCLE PATH STUDY

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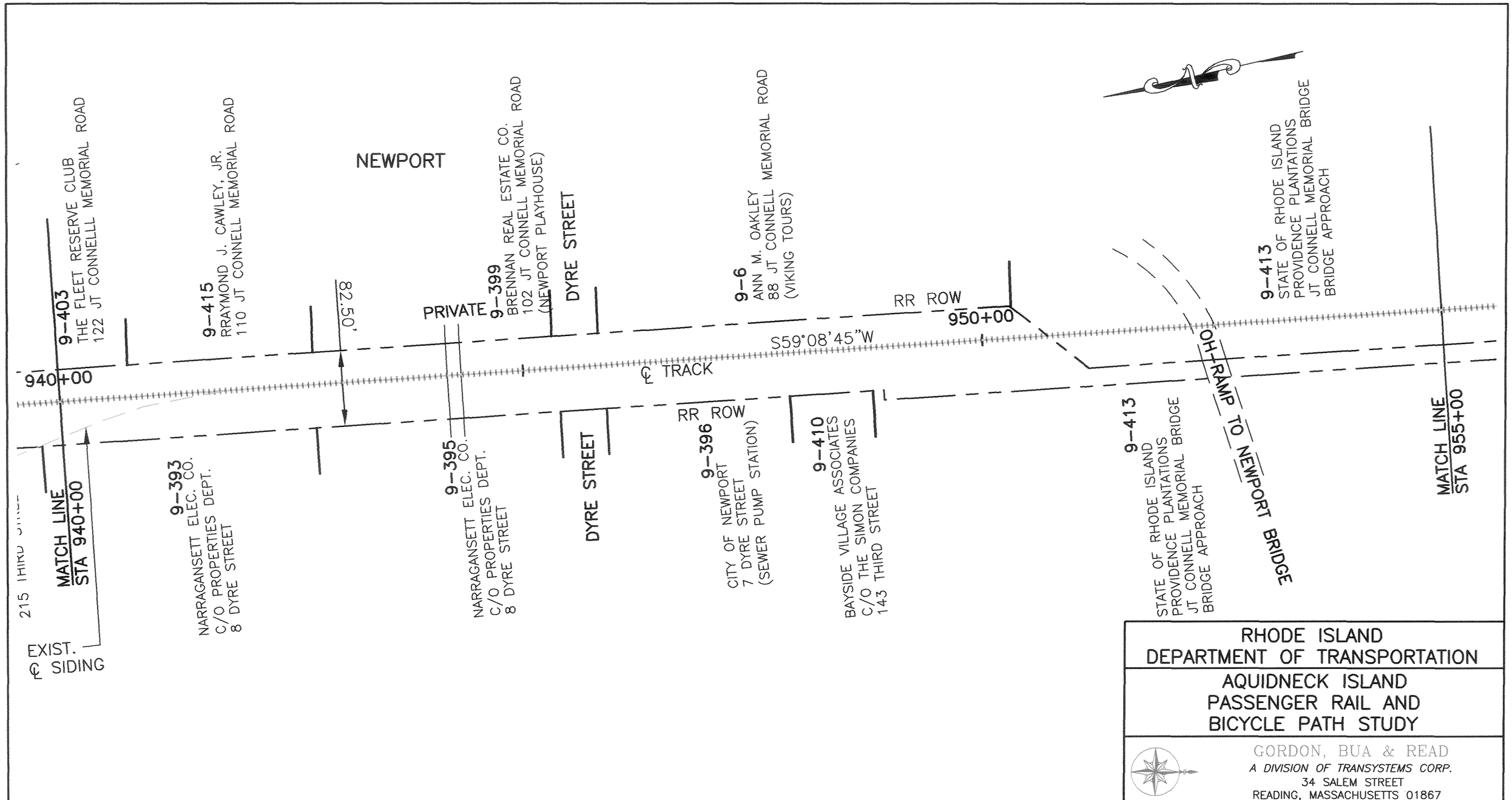
IN: Louis Berger Group, INC.	CAROL R. JOHNSON ASSOCIATES	KKO and Associates, L.L.C.	Barbara Sokoloff Associates

SCALE: 1" = 100'	DATE: MAY 16, 2002	PROJ. NO. GBR00103
DES BY:	DRN BY: LB/LRD/MER	SHEET: 53 OF 57



RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

AQUIDNECK ISLAND
PASSENGER RAIL AND
BICYCLE PATH STUDY

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A DIVISION OF TRANSYSTEMS CORP.
34 SALEM STREET
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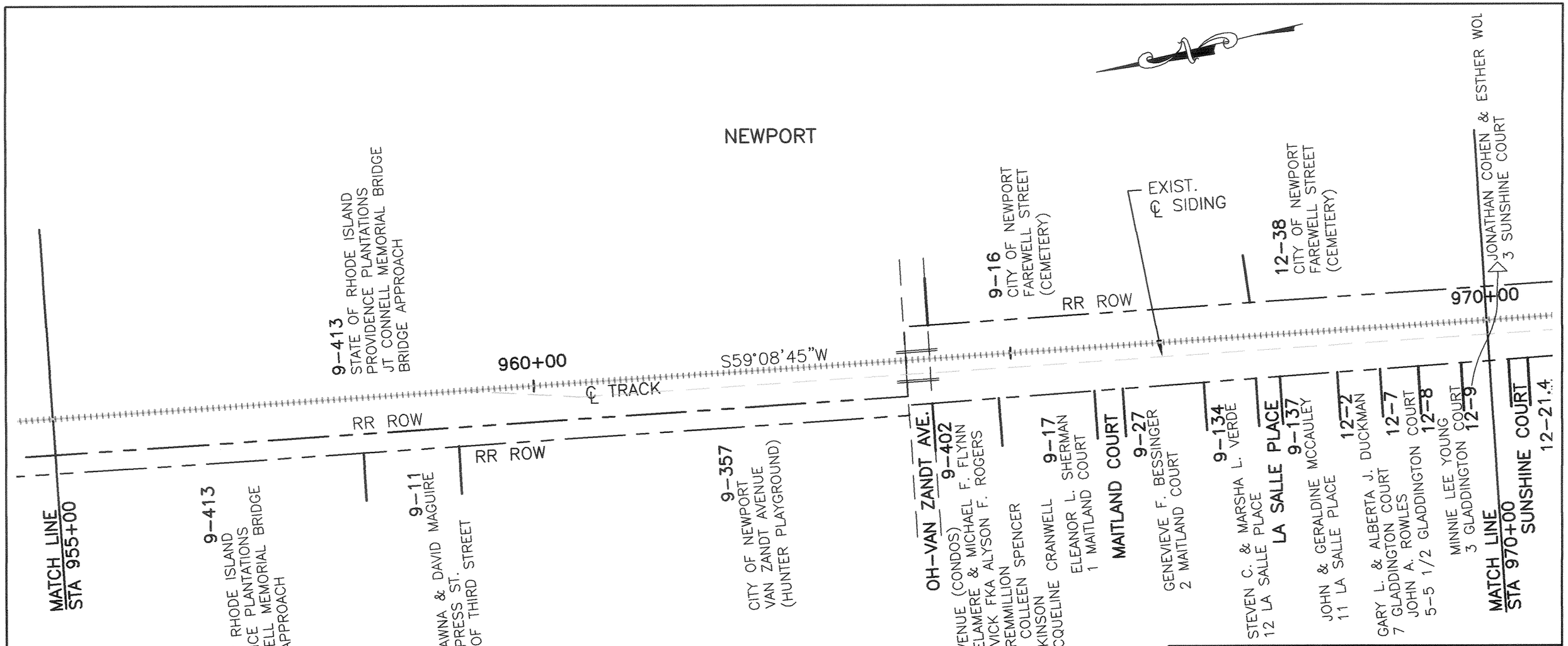
SCALE: 1" = 100'	DATE: MAY 16, 2002	PROJ. NO. GBR00103
DES BY:	DRN BY: LB/LRD/MER	SHEET: 54 OF 57



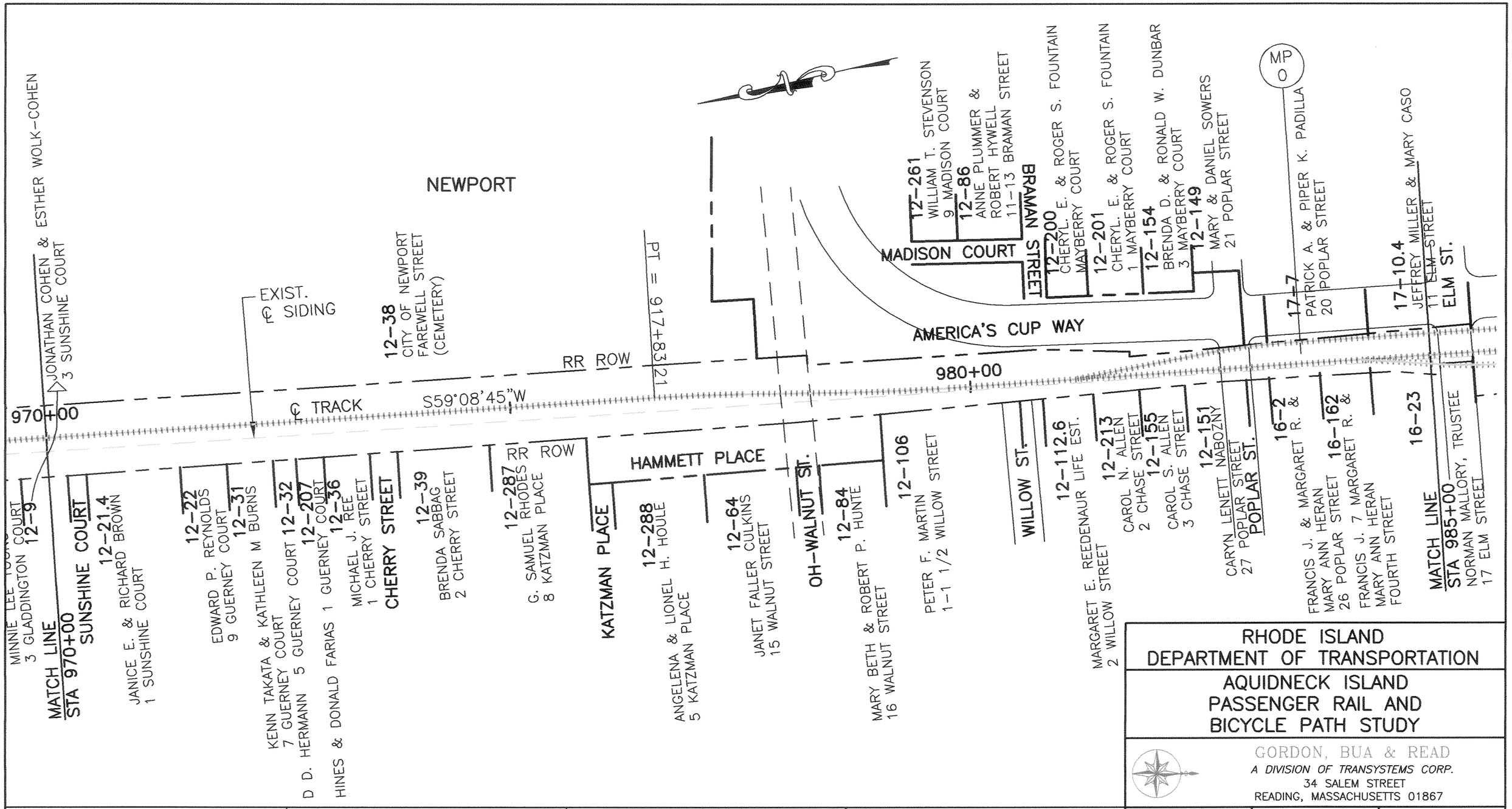
RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

AQUIDNECK ISLAND
PASSENGER RAIL AND
BICYCLE PATH STUDY

GORDON, BUA & READ
A DIVISION OF TRANSYSTEMS CORP.
34 SALEM STREET
READING, MASSACHUSETTS 01867

IN: Louis Berger Group, INC.	CAROL R. JOHNSON ASSOCIATES	KKO and Associates, L.L.C.	Barbara Sokoloff Associates

SCALE: 1" = 100'	DATE: MAY 16, 2002	PROJ. NO. GBR00103
DES BY:	DRN BY: LB/LRD/MER	SHEET: 55 OF 57



RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

AQUIDNECK ISLAND
PASSENGER RAIL AND
BICYCLE PATH STUDY

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A DIVISION OF TRANSYSTEMS CORP.
34 SALEM STREET
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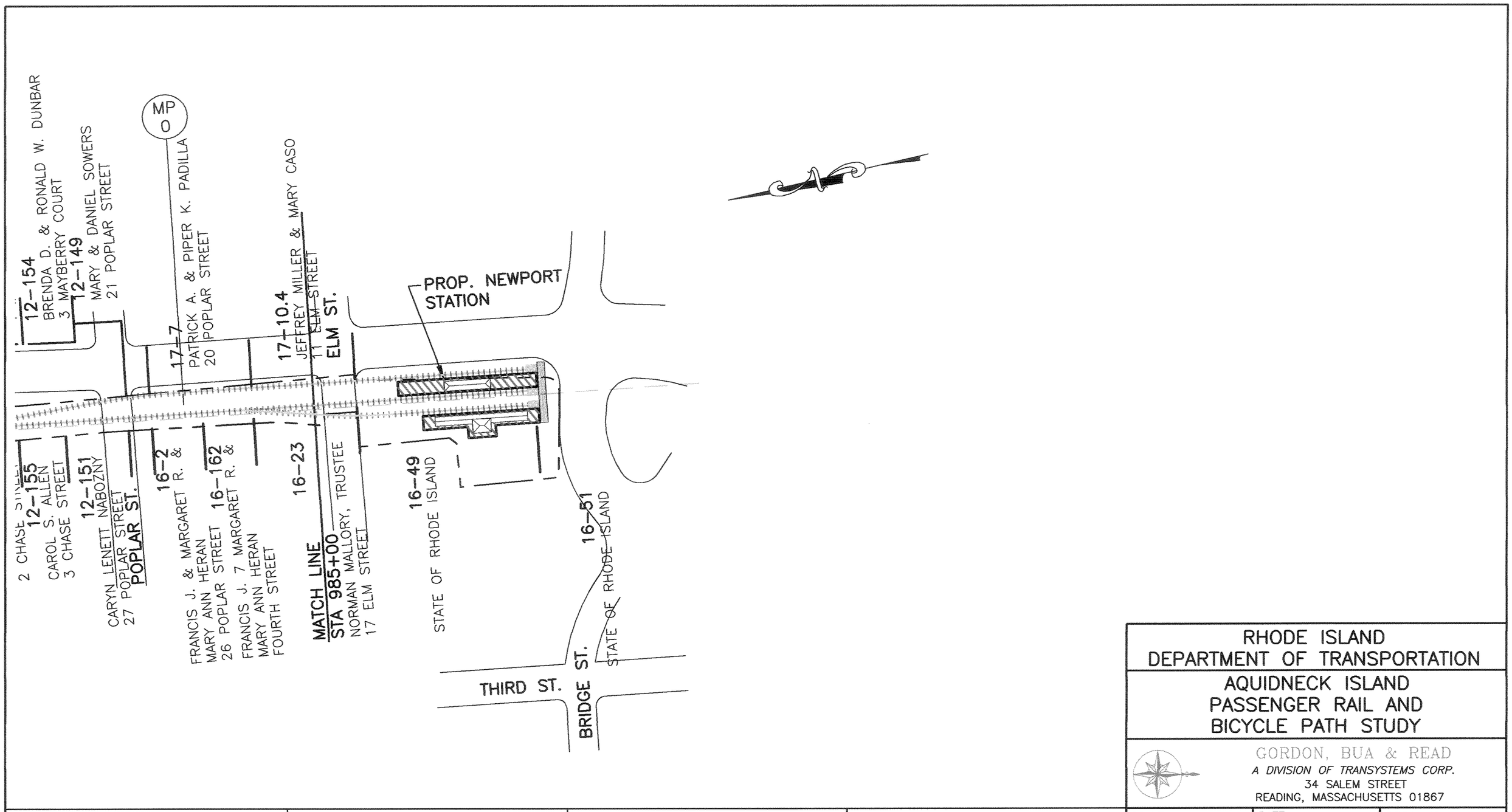
IH: Louis Berger Group, INC.	CAROL R. JOHNSON ASSOCIATES	KKO and Associates, L.L.C.	Barbara Sokoloff Associates	SCALE: 1" = 100'	DATE: MAY 16, 2002	PROJ. NO. GBR00103
				DES BY:	DRN BY: LB/LRD/MER	SHEET: 56 OF 57



RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

AQUIDNECK ISLAND
PASSENGER RAIL AND
BICYCLE PATH STUDY

GORDON, BUA & READ
A DIVISION OF TRANSYSTEMS CORP.
34 SALEM STREET
READING, MASSACHUSETTS 01867

IH: Louis Berger Group, INC.	CAROL R. JOHNSON ASSOCIATES	KKO and Associates, L.L.C.	Barbara Sokoloff Associates	SCALE: 1" = 100'	DATE: JUNE 6, 2002	PROJ. NO. GBR00103
				DES BY:	DRN BY: LB/LRD/MER	SHEET: 57 OF 57

Opportunities and Constraints Plans

Figure 3-1: Sheet 1
Figure 3-2: Sheet 2
Figure 3-3: Sheet 3
Figure 3-4: Sheet 4
Figure 3-5: Sheet 5
Figure 3-6: Sheet 6
Figure 3-7: Sheet 7
Figure 3-8: Sheet 8
Figure 3-9: Sheet 9
Figure 3-10: Sheet 10

Legend

Opportunities

- Locations That Meet Station Criteria
- Possible Overlook/Rest Area
- Resources (Cultural, Historical, Recreational)
- Desired View
- Possible Bicycle Path Connection

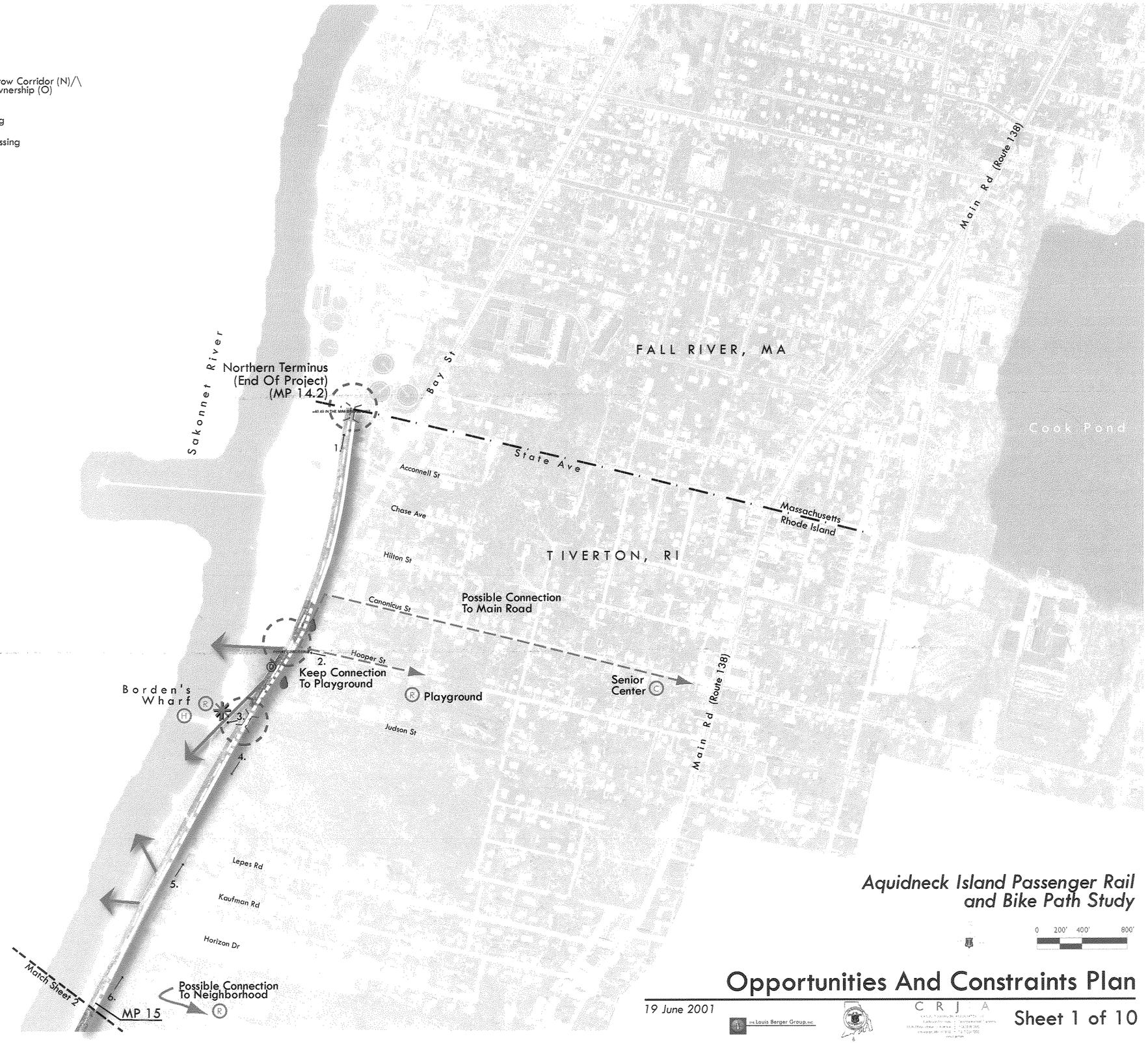
Constraints

- Steep Slopes (S)/Narrow Corridor (N)/\ Poor Drainage (D)/Ownership (O)
- Stormwater Discharge
- Existing Bridge Crossing
- Existing At-Grade Crossing
- Vehicular Noise
- Wind

Possible Bicycle Path Routes

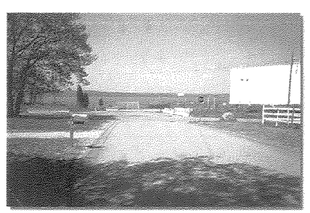
- Shared Bike Route on Road (Proposed)
- Shared Bike Route On Road (Existing)
- Path on Grade (Few Modifications)
- Path With Grading/Alignment Modifications
- Path On Structure (Boardwalk, Walls)

- Adjacent Wetlands (Approximate)

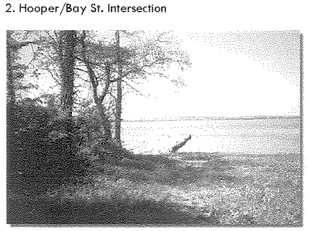


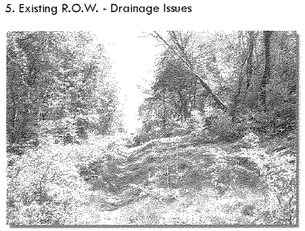
1. Existing Condition At MA State Line

4. Existing R.O.W. - Few Modifications


2. Hooper/Bay St. Intersection

5. Existing R.O.W. - Drainage Issues


3. View To Borden's Wharf


6. Existing R.O.W. - Grading Modifications

Aquidneck Island Passenger Rail and Bike Path Study

0 200' 400' 800'

Opportunities And Constraints Plan

19 June 2001

The Louis Berger Group, Inc.

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Sheet 1 of 10

Legend

Opportunities

- Locations That Meet Station Criteria
- Possible Overlook/Rest Area
- Resources (Cultural, Historical, Recreational)
- Desired View
- Possible Bicycle Path Connection

Constraints

- Steep Slopes (S)/Narrow Corridor(N)/ Poor Drainage (D)/Ownership (O)
- Stormwater Discharge
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- Existing At-Grade Crossing
- Vehicular Noise
- Wind

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- Shared Bike Route On Road (Existing)
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- Path With Grading/Alignment Modifications
- Path On Structure (Boardwalk, Walls)

- Adjacent Wetlands (Approximate)

1. Residential Abutter, Typical

2. Private Crossing

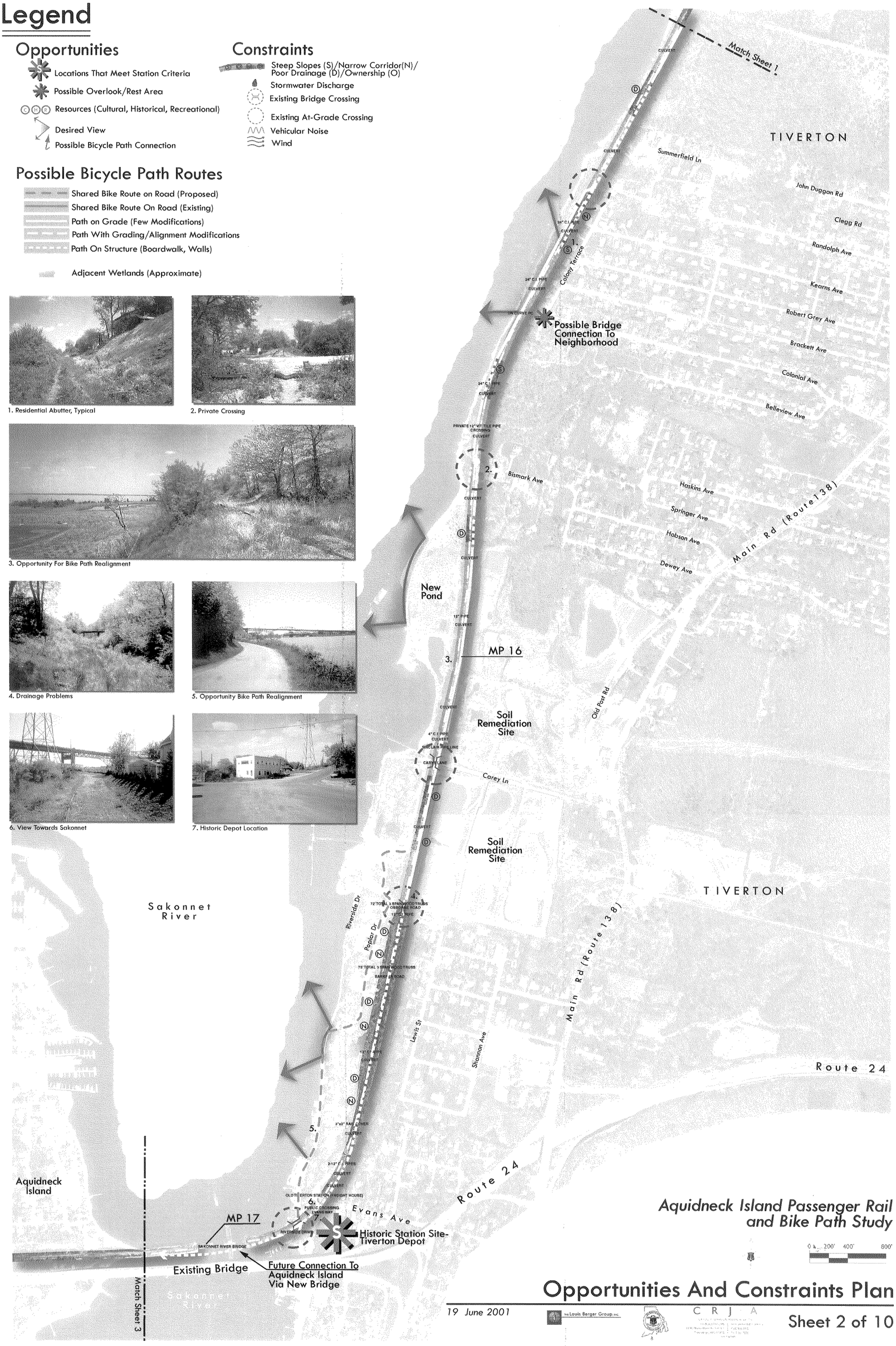
3. Opportunity For Bike Path Realignment

4. Drainage Problems

5. Opportunity Bike Path Realignment

6. View Towards Sakonnet

7. Historic Depot Location



Aquidneck Island Passenger Rail and Bike Path Study

0 200' 400' 800'

Opportunities And Constraints Plan

19 June 2001

Louis Berger Group, Inc.

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Sheet 2 of 10

1. View Across Sakonnet River To Tiverton

5. Shared Path Area Along Golf Course

2. View West Along Utility R.O.W

6. Elevated Track With Views To Mount Hope Bay and Bridge

3. Anthony Road Overpass

7. Intersection At Bristol Ferry Road

4. Elevated Track Condition Adjacent To Golf Course

8. Location That Meets Station Criteria

Legend

Opportunities

- Locations That Meet Station Criteria
- Possible Overlook/Rest Area
- Resources (Cultural, Historical, Recreational)
- Desired View
- Possible Bicycle Path Connection

Constraints

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- Path With Grading/Alignment Modifications
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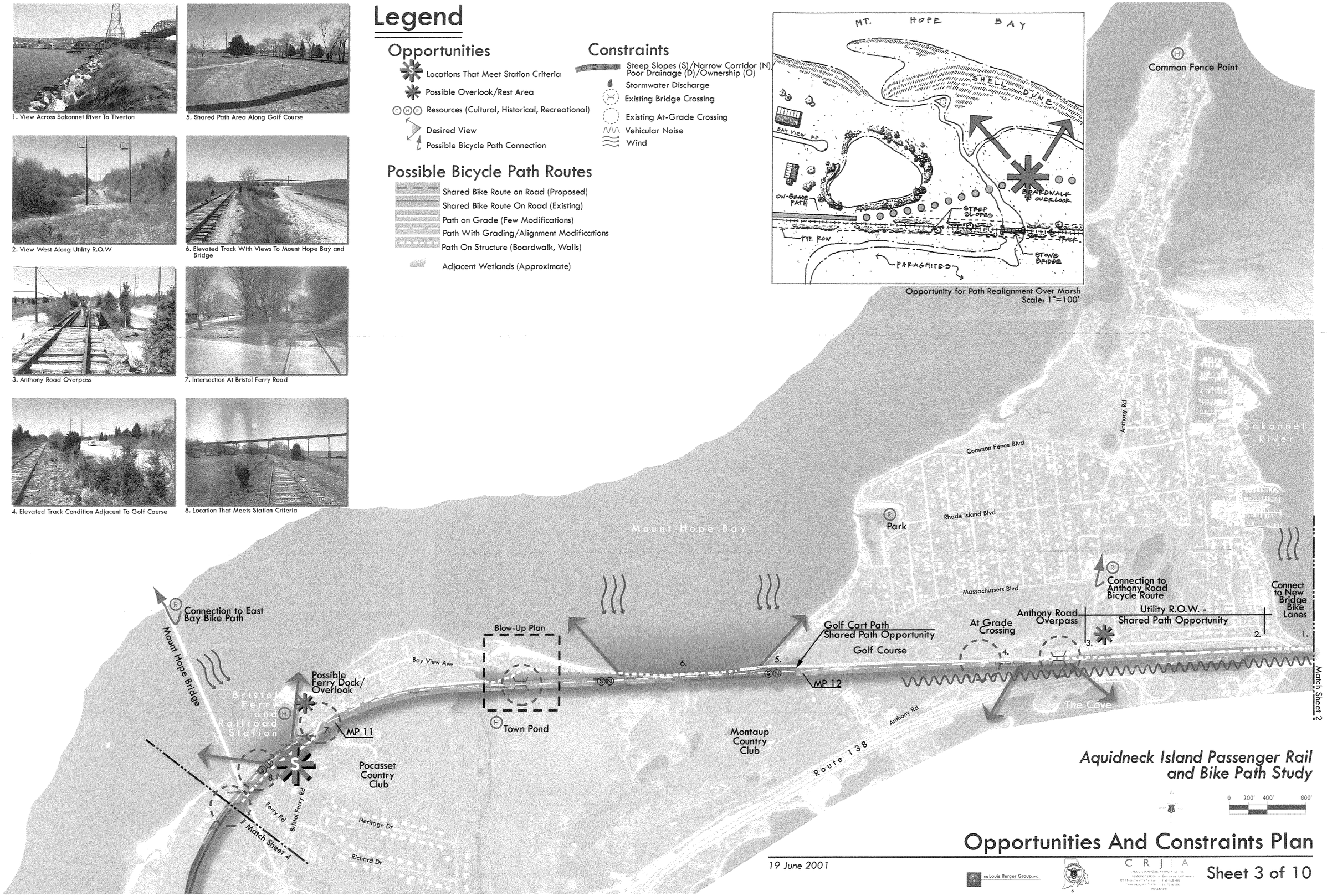
- Adjacent Wetlands (Approximate)

Opportunity for Path Realignment Over Marsh
Scale: 1"=100'



Aquidneck Island Passenger Rail and Bike Path Study

0 200' 400' 800'

Opportunities And Constraints Plan

19 June 2001

The Louis Berger Group, Inc.

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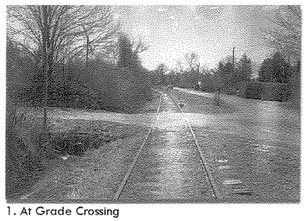
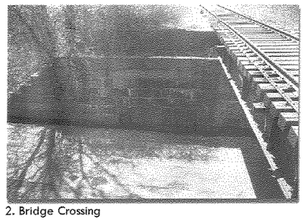
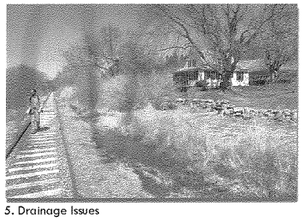
Sheet 3 of 10


1. At Grade Crossing


2. Bridge Crossing

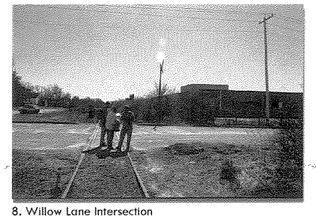
3. Drainage Issues

4. Selected Views To Bay

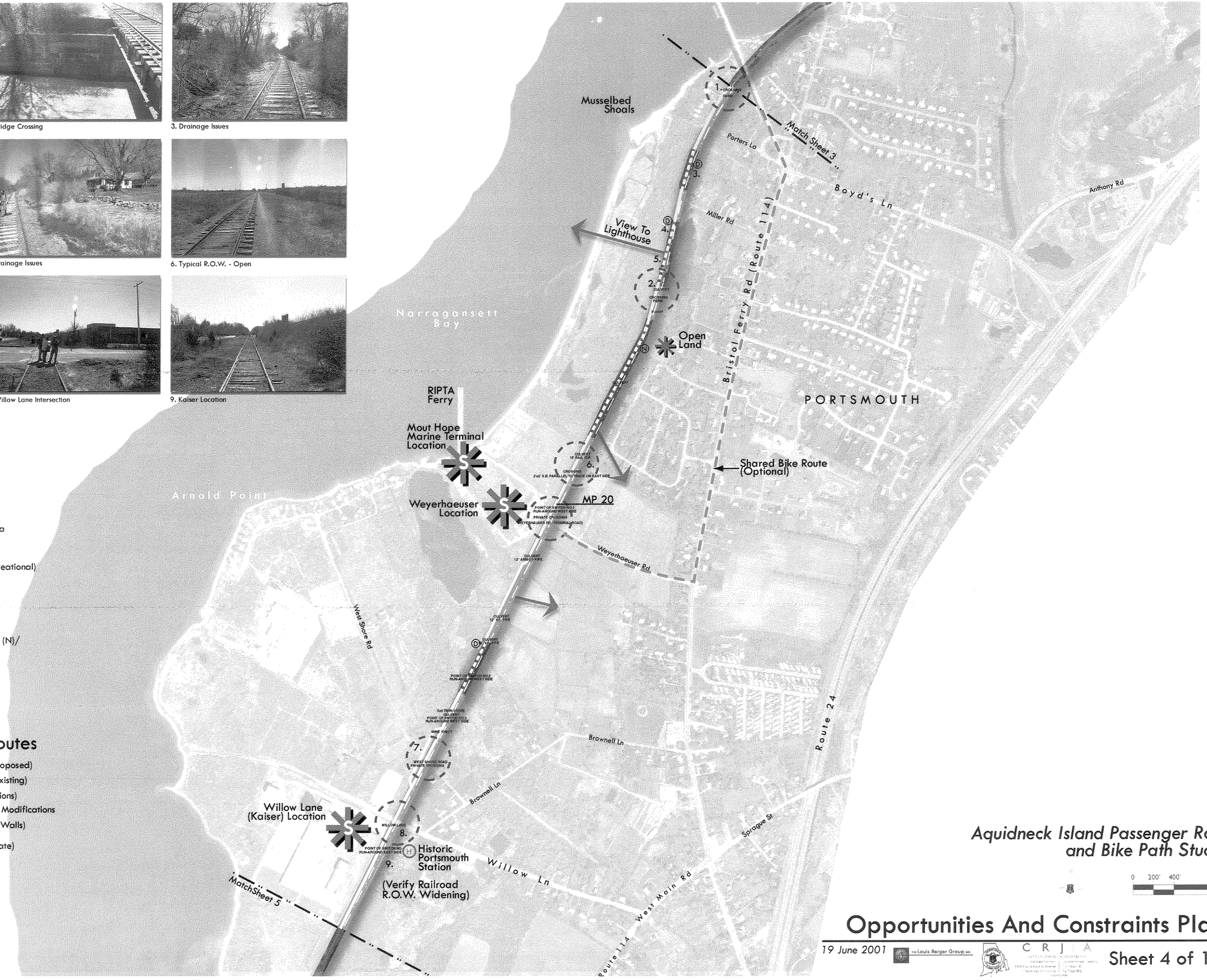

5. Drainage Issues

6. Typical R.O.W. - Open

7. West Shore Road Intersection


8. Willow Lane Intersection

9. Kaiser Location



Legend

Opportunities

- Locations That Meet Station Criteria
- Possible Overlook/Rest Area
- Resources (Cultural, Historical, Recreational)
- Desired View
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Constraints

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Aquidneck Island Passenger Rail and Bike Path Study

0 200' 400' 800'

Opportunities And Constraints Plan

19 June 2001

The Louis Berger Group, INC.

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Legend

Opportunities

- Locations That Meet Station Criteria
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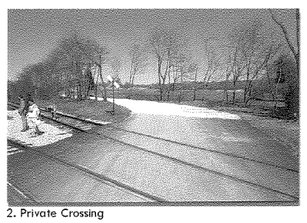
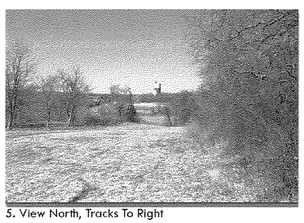
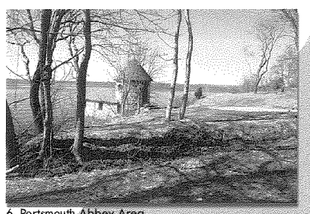
1. Path Within R.O.W.


2. Private Crossing

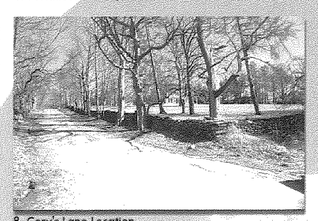
3. Bridge Over Barker Brook

4. Narrow R.O.W. Conditions


5. View North, Tracks To Right


6. Portsmouth Abbey Area

7. Stabilization Issues


8. Cory's Lane Location

Aquidneck Island Passenger Rail and Bike Path Study

0 200' 400' 800'

Opportunities And Constraints Plan

19 June 2001

The Louis Berger Group, inc.

C R J A

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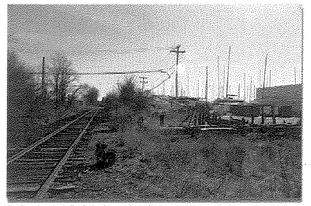
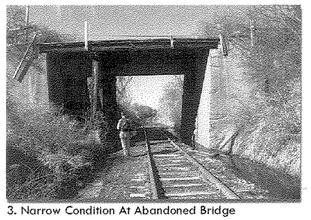

1. Railroad R.O.W. And Adjacent Marina

2. Private Pedestrian Crossing


3. Narrow Condition At Abandoned Bridge

4. Location That Meets Station Criteria

5. Future Connection To Burma Rd Bike Route

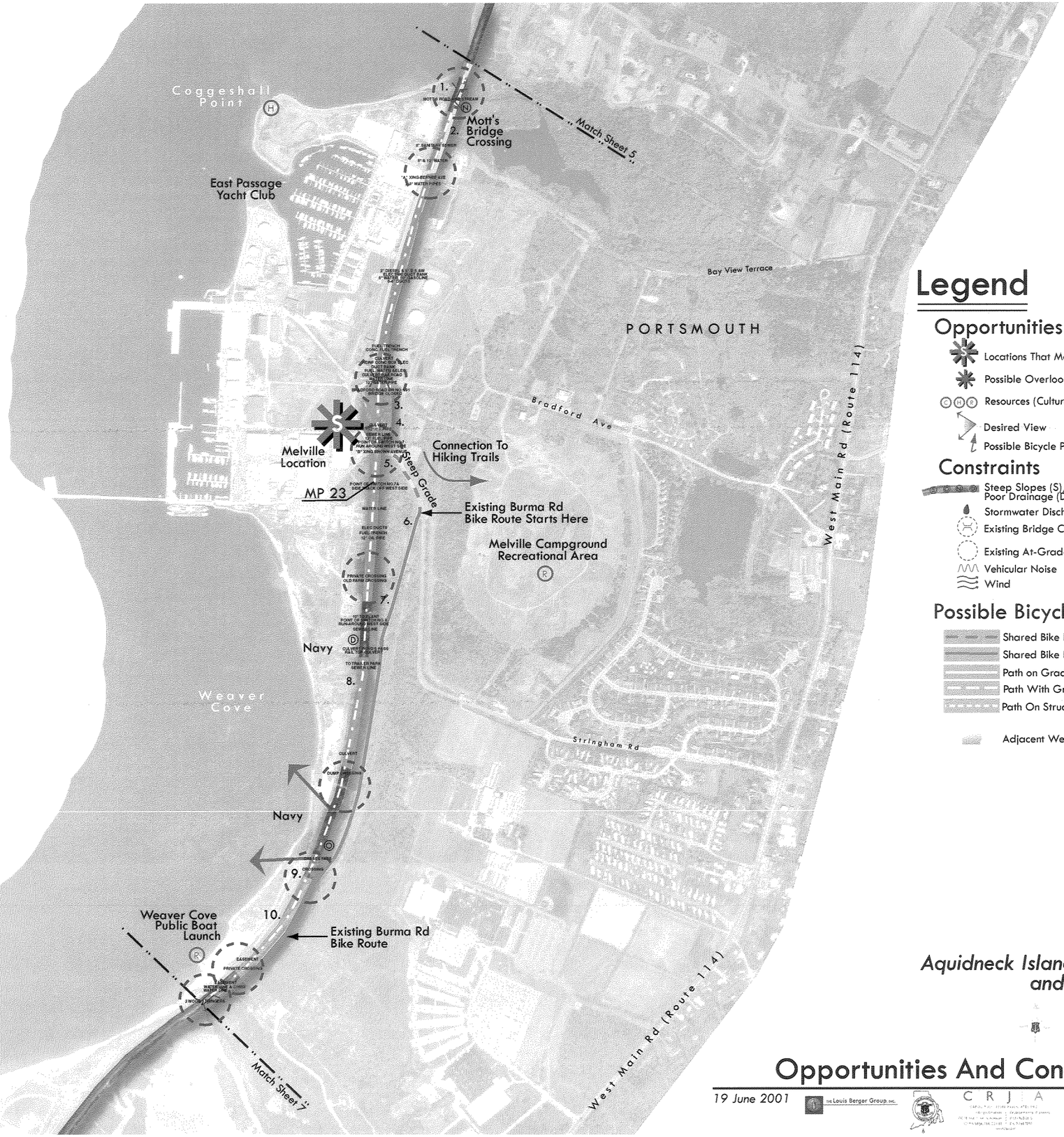
6. Exisitng Burma Rd Bike Lane

7. Poor Drainage Area

8. View To Weaver Cove

9. Signalized Crossing At Weaver Cove Boat Launch

10. Typical Railroad R.O.W. In Cut Condition



Legend

Opportunities

- Locations That Meet Station Criteria
- Possible Overlook/Rest Area
- Resources (Cultural, Historical, Recreational)
- Desired View
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Constraints

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Possible Bicycle Path Routes

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- Adjacent Wetlands (Approximate)

Aquidneck Island Passenger Rail and Bike Path Study

0 200' 400' 800'

Opportunities And Constraints Plan

19 June 2001

The Louis Berger Group, Inc.

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Sheet 6 of 10

Legend

Opportunities

- Locations That Meet Station Criteria
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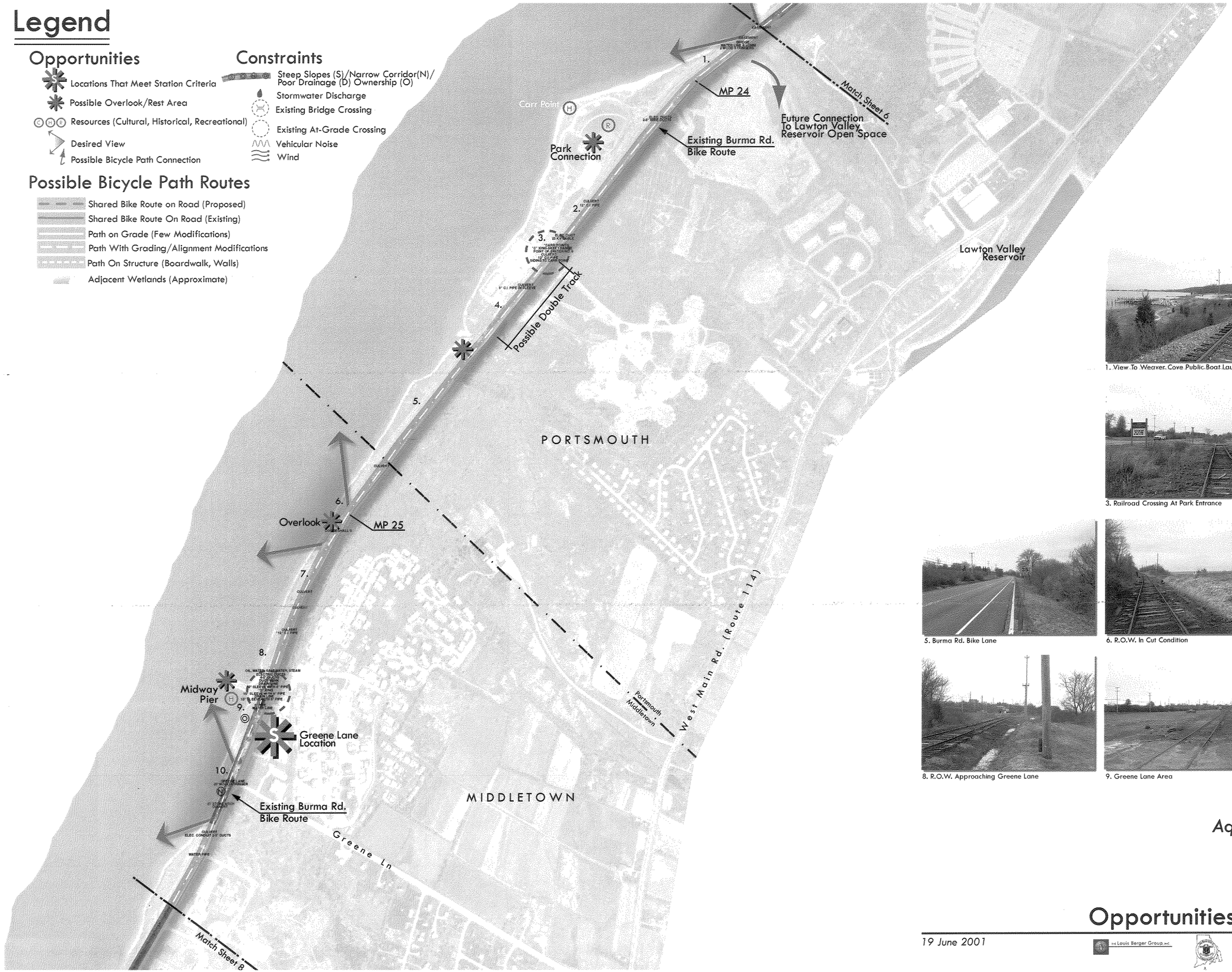
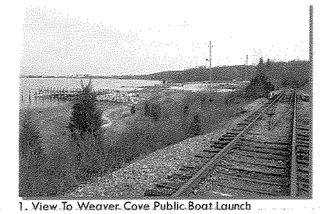
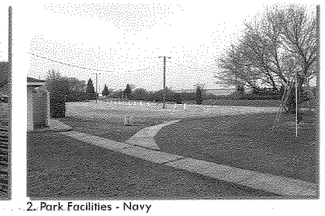
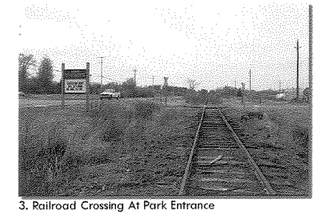



1. View To Weaver Cove Public Boat Launch


2. Park Facilities - Navy


3. Railroad Crossing At Park Entrance

4. Railroad R.O.W. At-Grade Condition

5. Burma Rd. Bike Lane

6. R.O.W. In Cut Condition

7. R.O.W. Adjacent To Utility Corridor

8. R.O.W. Approaching Greene Lane

9. Greene Lane Area

10. Narrow Corridor Condition At Bridge

Aquidneck Island Passenger Rail and Bike Path Study

0 200' 400' 800'

Opportunities And Constraints Plan

19 June 2001

The Louis Berger Group, Inc.

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Legend

Opportunities

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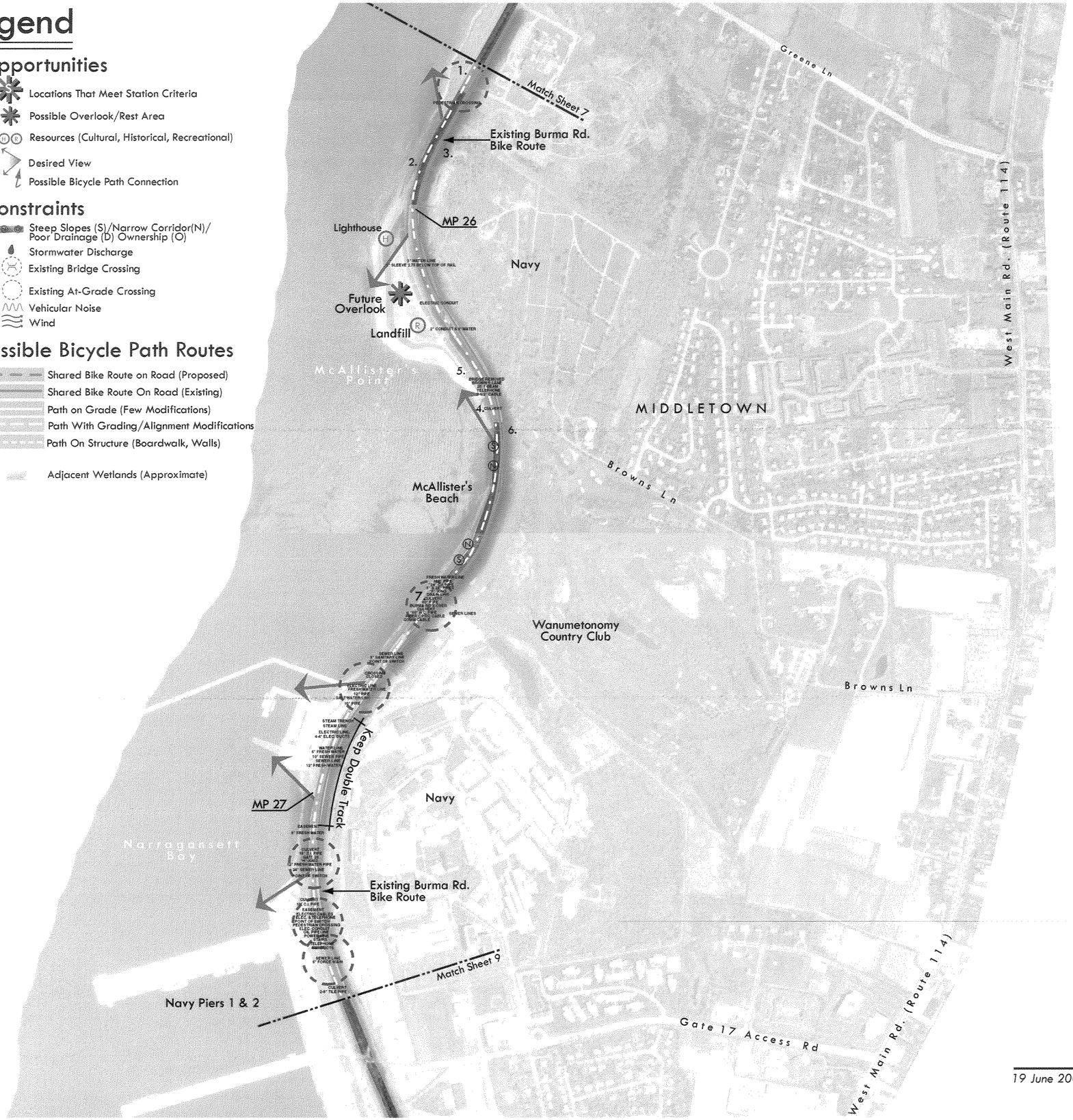
Possible Bicycle Path Routes

- Shared Bike Route on Road (Proposed)
- Shared Bike Route On Road (Existing)
- Path on Grade (Few Modifications)
- Path With Grading/Alignment Modifications
- Path On Structure (Boardwalk, Walls)

- Adjacent Wetlands (Approximate)

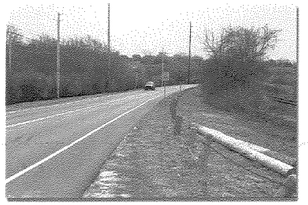


1. Railroad R.O.W. In Cut Condition

2. View South To Landfill

3. Burma Road Bike Lane

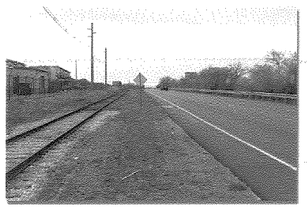
4. Narrow Corridor/Steep Slope Condition


5. Railroad R.O.W. Splits From Burma Road

6. View North To McAllister Point

7. View To Periscope Structure

8. Railroad Crossing - Burma Road


9. Burma Road Bike Lane

10. Burma Road Bike Lane

Aquidneck Island Passenger Rail and Bike Path Study

0 200' 400' 800'

Opportunities And Constraints Plan

19 June 2001

the Louis Berger Group, inc.

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Sheet 8 of 10

Match Sheet 8

Navy Piers 1 and 2

Burma Rd Bike Lane Ends

1. Derektor Shipyard Location

Gate 17 Access Rd

Gated Entry

2.

Steep

Chase Ln

Navy

Gated Crossing of Navy Roadway

Alternate Route # 2 (Public)

Possible Secure Bicycle Overpass

Navy

Coddington Point

Coddington Cove

Gated Entry

Alternate Route # 1 (Navy)

West Main Rd. (Route 114)

Preferred Route

Path on Top of Bank

Possible Community College of Rhode Island Location

MP 28

Steep

Ranger Road Location

Coddington Highway

Possible Railroad Maintenance of Way Facility

4.

3.

Bridge Crossing To Navy

5.

Coasters Harbor

MIDDLETOWN

Sewer Treatment Plant/Odor

Coasters Harbor Island

NEWPORT

Girard Ave

J.J. Connell Rd

6.

Match Sheet 10

Route 138

Middletown

Newport

Legend

Opportunities

- Locations That Meet Station Criteria
- Possible Overlook/Rest Area
- Resources (Cultural, Historical, Recreational)
- Desired View
- Possible Bicycle Path Connection

Constraints

- Steep Slopes (S)/Narrow Corridor(N)/ Poor Drainage (D) Ownership (O)
- Stormwater Discharge
- Existing Bridge Crossing
- Existing At-Grade Crossing
- Vehicular Noise
- Wind

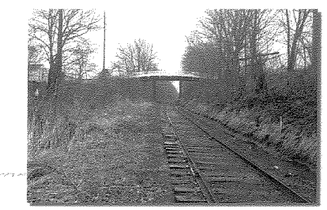
Possible Bicycle Path Routes

- Shared Bike Route on Road (Proposed)
- Shared Bike Route On Road (Existing)
- Path on Grade (Few Modifications)
- Path With Grading/Alignment Modifications
- Path On Structure (Boardwalk, Walls)
- Adjacent Wetlands (Approximate)

1. Derektor Shipyard Location (Coddington Cove)

4. Possible Path Above Railroad

2. Railroad Crossing - Gate 17



5. View To Armstrong Bridge

3. Narrow Corridor Condition

6. Narrow Bridge Crossings

Aquidneck Island Passenger Rail and Bike Path Study

0 200' 400' 800'

Opportunities And Constraints Plan

19 June 2001

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Sheet 9 of 10

Legend

Opportunities

- Locations That Meet Station Criteria
- Possible Overlook/Rest Area
- Resources (Cultural, Historical, Recreational)
- Desired View
- Possible Bicycle Path Connection

Constraints

- Steep Slopes (S)/Narrow Corridor (N)/ Poor Drainage (D) Ownership (O)
- Stormwater Discharge
- Existing Bridge Crossing
- Existing At-Grade Crossing
- Vehicular Noise
- Wind

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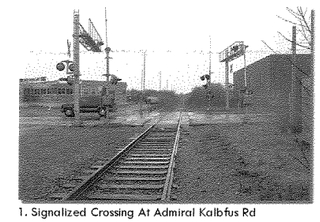
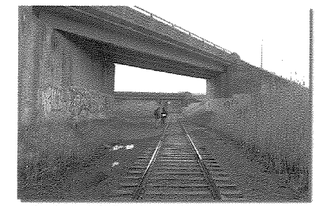
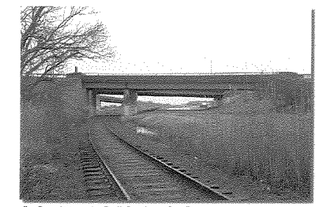
- Shared Bike Route On Road (Existing)
- Path on Grade (Few Modifications)
- Path With Grading/Alignment Modifications
- Path On Structure (Boardwalk, Walls)

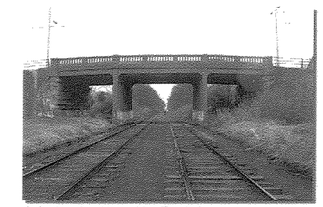

1. Signalized Crossing At Admiral Kalbfus Rd

2. Drainage Issues

3. Drainage Issues


4. Condition At Pall Bridge On-Ramp


5. Condition At Pall Bridge On-Ramp


6. Bridge Condition - Van Zandt Ave

7. Abandoned Bridge - Narrow R.O.W.

8. View To Historic Newport Depot

9. View To Gateway Condition

Aquidneck Island Passenger Rail and Bike Path Study

0 200' 400' 800'

Opportunities And Constraints Plan

19 June 2001

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Sheet 10 of 10

Concept Plans

Railroad Corridor

Figure 3-11: Fall River, MA / Tiverton, RI
Figure 3-12: Anthony Road Station / Mount Hope Bay
Figure 3-13: Mount Hope Bridge / Mount Hope Station
Figure 3-14: Portsmouth Abbey / Melville Station
Figure 3-15: Carr Point / Greene Lane
Figure 3-16: McAllister's Point / Navy Piers
Figure 3-17: CCRI Station / Newport Station

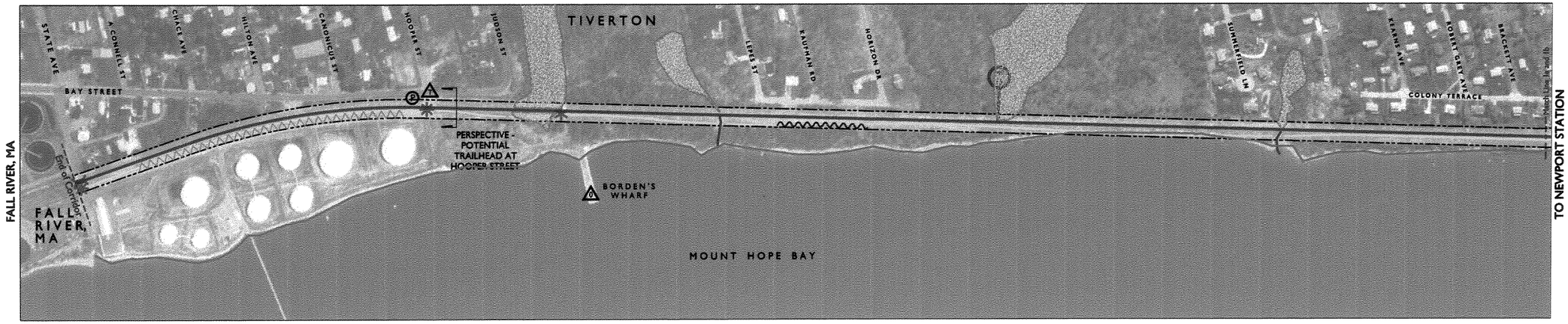
Enlargement Plans and Perspectives

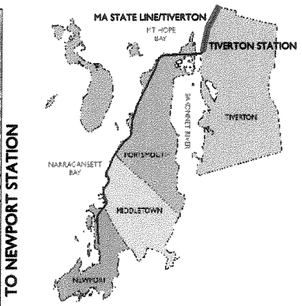
Stations

Figure 3-12: Anthony Road Station
Figure 3-13: Mt. Hope Station
Figure 3-14: Melville Station
Figure 3-16: CCRI Station
Figure 3-17: Newport Station

Other Points of Interest

Figure 3-11: Potential Trailhead at Hooper St.
Figure 3-12: Anthony Road Station at Grade Crossing
Figure 3-13: Boardwalk at Boyd's Marsh
Figure 3-13: View West towards Mt. Hope Bridge
Figure 3-14: Stairway Crossing at St. Philomena School
Figure 3-16: Existing Path Condition at Navy Housing (Photo)





KEY PLAN

N

PLAN 1a - FALL RIVER, MA / TIVERTON, RI

MILE POST 15.78 TO 14.54

0 100' 200' 400'

N

PERSPECTIVE - POTENTIAL TRAILHEAD AT HOOPER STREET

LEGEND

RAILROAD

- RAILROAD RIGHT-OF-WAY
- RAILROAD CORRIDOR
- PROPOSED TRACK LOCATION
- PROPOSED PLATFORM AND SHELTER
- MILEPOST MARKER

BICYCLE PATH

- SHARED BIKE ROUTE ON ROAD (PROPOSED)
- SHARED BIKE ROUTE ON ROAD (EXISTING)
- PATH ON GRADE
- PATH ON STRUCTURE (INCLUDES BOARDWALK)
- ALTERNATE PATH ROUTE (BOARDWALK DASHED)

TRAFFIC CROSSINGS

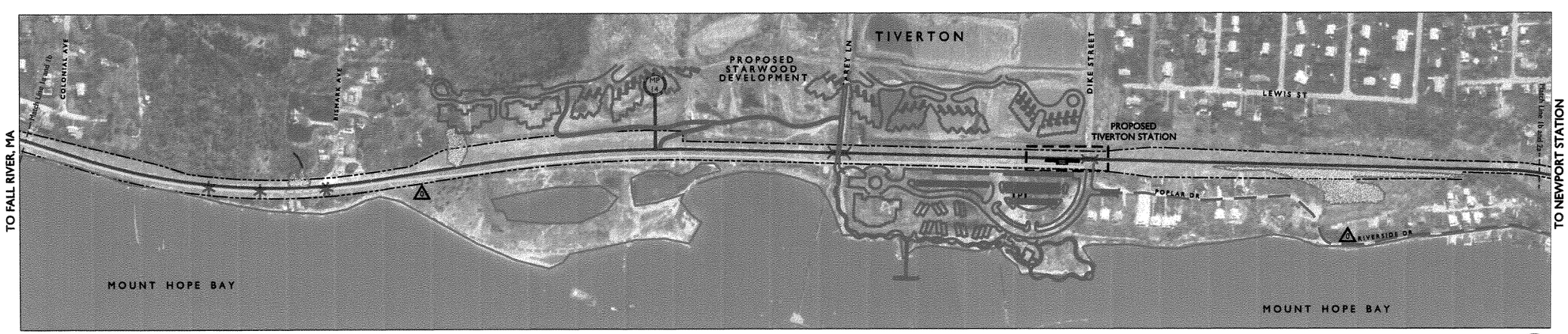
- ROAD CROSSING (MINOR)
- ROAD CROSSING (MAJOR)
- TRACK CROSSING
- EXISTING BRIDGE CROSSING

WATER RESOURCES

- LIMIT OF FRESHWATER AND COASTAL WETLANDS
- PERENNIAL STREAM
- OTHER WATER BODY

POTENTIAL SITE FEATURES

- TRAILHEAD/GATEWAY
- OVERLOOK
- PARKING AREA (PUBLIC)
- AREA OF HISTORIC INTEREST
- VIEW MANAGEMENT AREA
- SCREEN OR VEGETATED BUFFER



PLAN 1b - TIVERTON STATION

MILE POST 14.54 TO 13.26

0 100' 200' 400'

N

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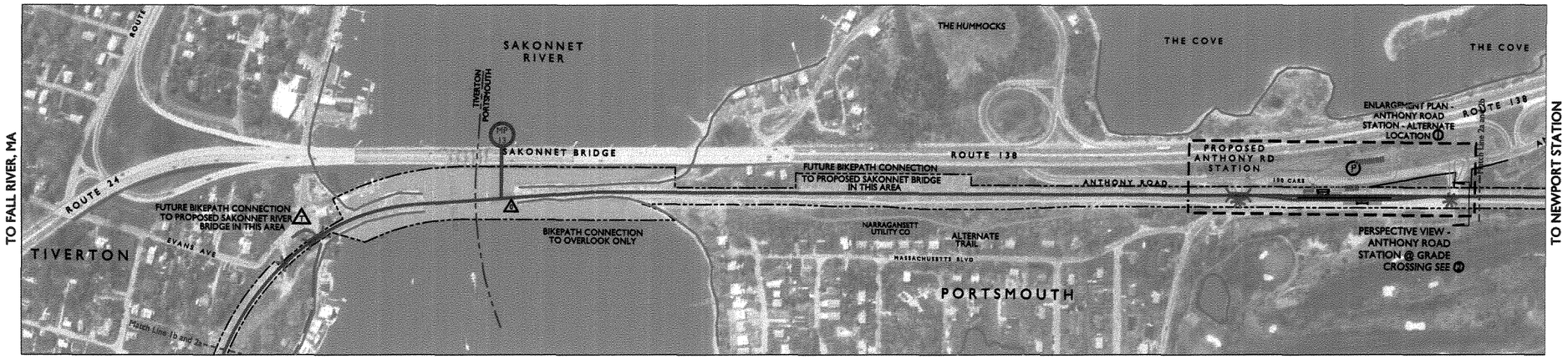
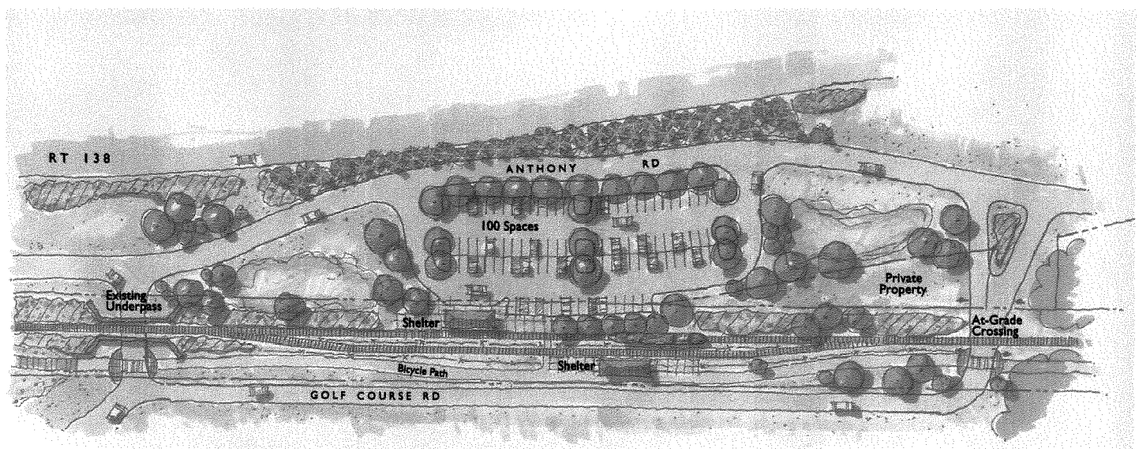


PLAN 2a - ANTHONY ROAD STATION

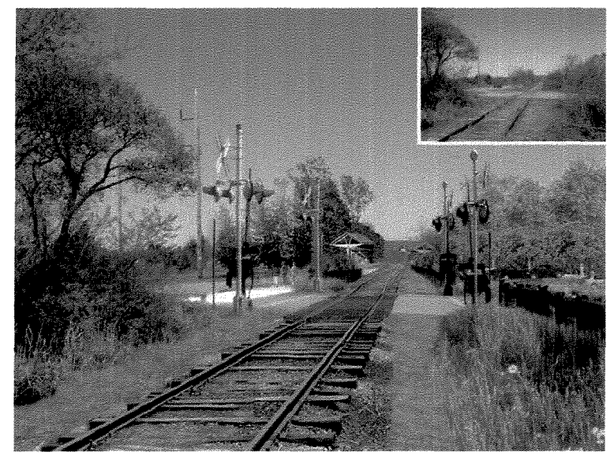
MILE POST 13.26 TO 12.26

0 100' 200' 400' N

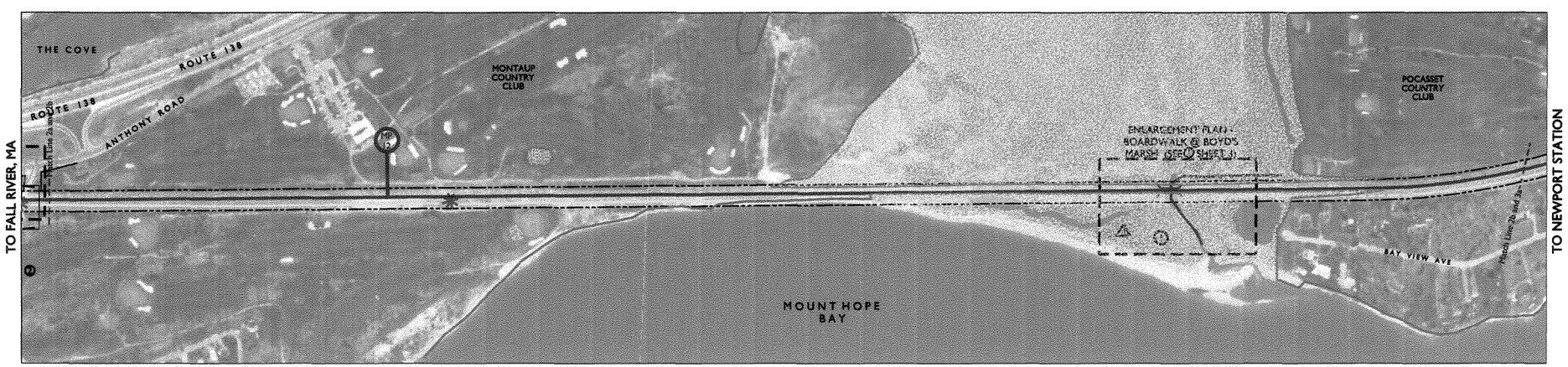


① ENLARGEMENT PLAN - ANTHONY ROAD STATION ALTERNATE LOCATION

SCALE: 1" = 60'



② PERSPECTIVE VIEW - ANTHONY ROAD STATION @ GRADE CROSSING



PLAN 2b - MT. HOPE BAY

MILE POST 12.26 TO 11.14

0 100' 200' 400' N

KEY PLAN

N

LEGEND

RAILROAD

- RAILROAD RIGHT-OF-WAY
- RAILROAD CORRIDOR
- PROPOSED TRACK LOCATION
- PROPOSED PLATFORM AND SHELTER
- MILEPOST MARKER

BICYCLE PATH

- SHARED BIKE ROUTE ON ROAD (PROPOSED)
- SHARED BIKE ROUTE ON ROAD (EXISTING)
- PATH ON GRADE
- PATH ON STRUCTURE (INCLUDES BOARDWALK)
- ALTERNATE PATH ROUTE (BOARDWALK DASHED)

TRAFFIC CROSSINGS

- ROAD CROSSING (MINOR)
- ROAD CROSSING (MAJOR)
- TRACK CROSSING
- EXISTING BRIDGE CROSSING

WATER RESOURCES

- LIMIT OF FRESHWATER AND COASTAL WETLANDS
- PERENNIAL STREAM
- OTHER WATER BODY

POTENTIAL SITE FEATURES

- TRAILHEAD/GATEWAY
- OVERLOOK
- PARKING AREA (PUBLIC)
- AREA OF HISTORIC INTEREST
- VIEW MANAGEMENT AREA
- SCREEN OR VEGETATED BUFFER

Barbara Sokoloff Associates

KKO and Associates, L.L.C.

GORDON, BUA & HEAD
A DIVISION OF ENGINEERING CORP.
34 MAIN STREET
READING, MASSACHUSETTS 01867

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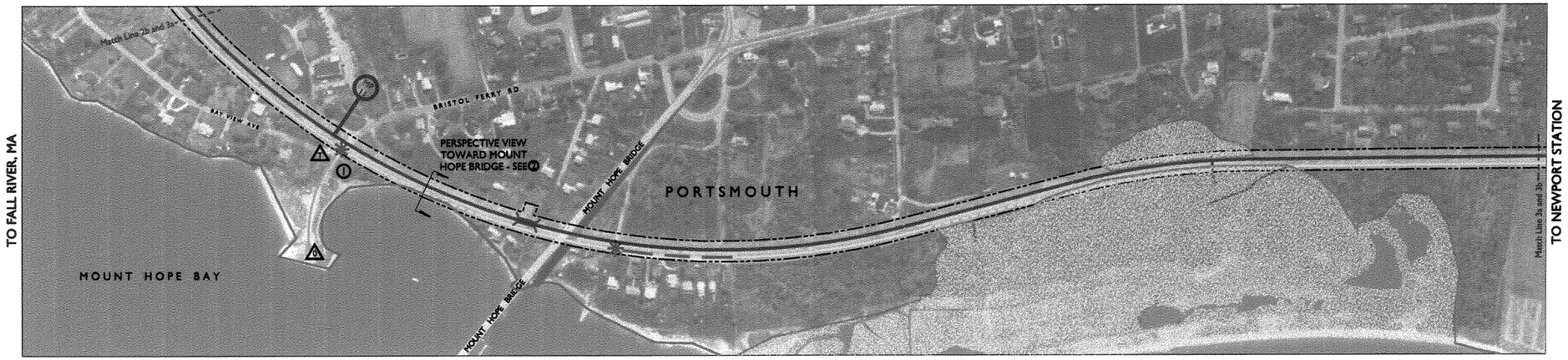
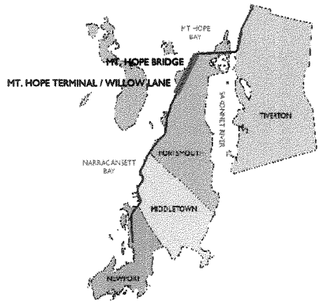




KEY PLAN

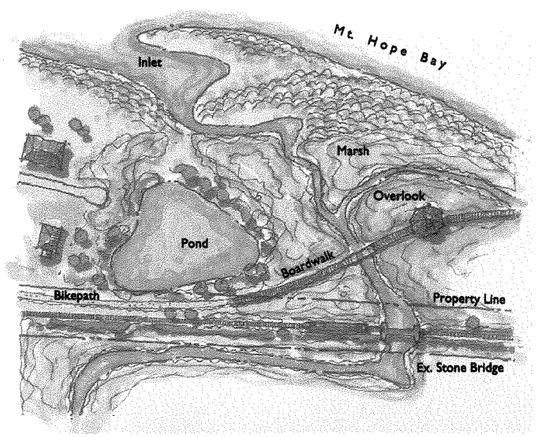
N

PLAN 3a - MT. HOPE BRIDGE

MILE POST 11.14 TO 10.06

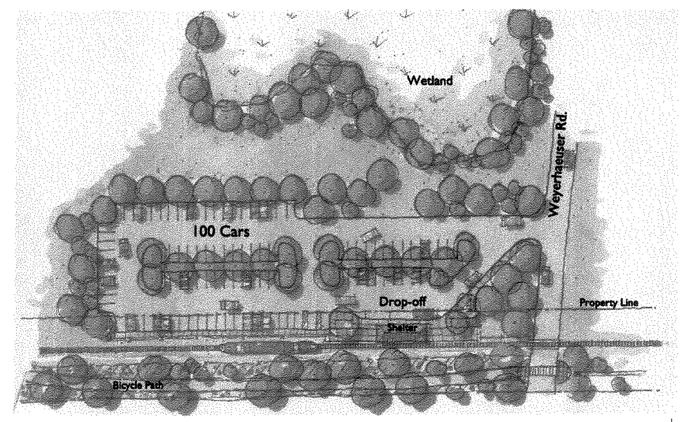
0 100' 200' 400'

N

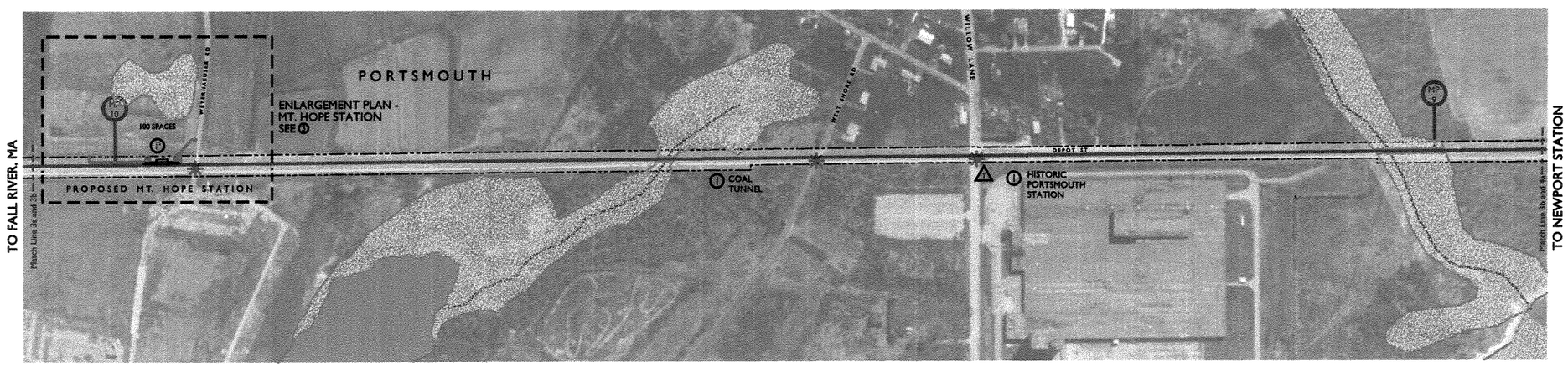


① ENLARGEMENT PLAN - BOARDWALK @ BOYD'S MARSH (SEE PLAN 2b) SCALE: 1" = 100'

② PERSPECTIVE VIEW WEST TOWARDS MT. HOPE BRIDGE



③ ENLARGEMENT PLAN - MT. HOPE STATION ALTERNATE LOCATION SCALE: 1" = 60'



PLAN 3b - MT. HOPE STATION / WILLOW LANE

MILE POST 10.06 TO 8.92

0 100' 200' 400'

N

LEGEND

RAILROAD
- RAILROAD RIGHT-OF-WAY
- RAILROAD CORRIDOR
- PROPOSED TRACK LOCATION
- PROPOSED PLATFORM AND SHELTER
- MILEPOST MARKER

BICYCLE PATH
- SHARED BIKE ROUTE ON ROAD (PROPOSED)
- SHARED BIKE ROUTE ON ROAD (EXISTING)
- PATH ON GRADE
- PATH ON STRUCTURE (INCLUDES BOARDWALK)
- ALTERNATE PATH ROUTE (BOARDWALK DASHED)

TRAFFIC CROSSINGS
- ROAD CROSSING (MINOR)
- ROAD CROSSING (MAJOR)
- TRACK CROSSING
- EXISTING BRIDGE CROSSING

WATER RESOURCES
- LIMIT OF FRESHWATER AND COASTAL WETLANDS
- PERENNIAL STREAM
- OTHER WATER BODY

POTENTIAL SITE FEATURES
- TRAILHEAD/GATEWAY
- OVERLOOK
- PARKING AREA (PUBLIC)
- AREA OF HISTORIC INTEREST
- VIEW MANAGEMENT AREA
- SCREEN OR VEGETATED BUFFER

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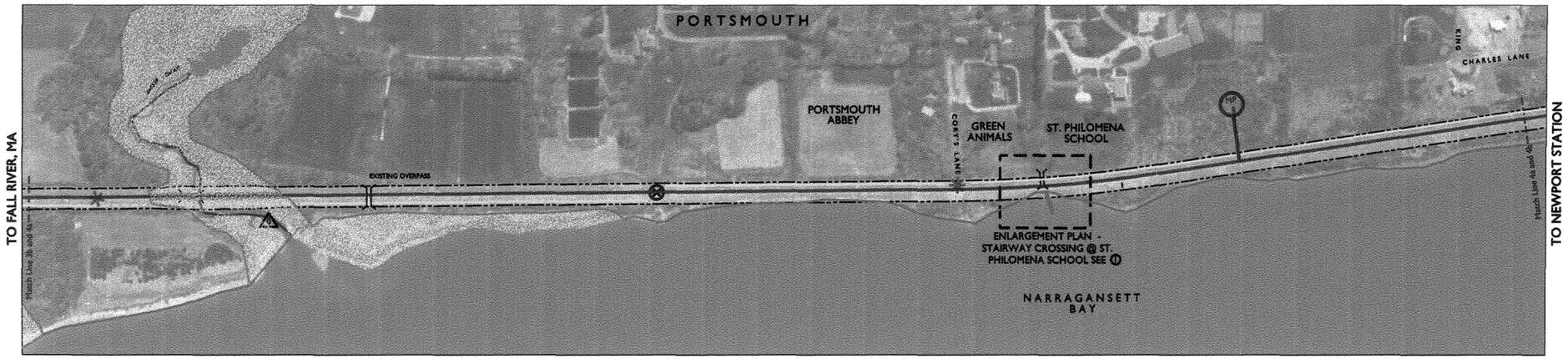
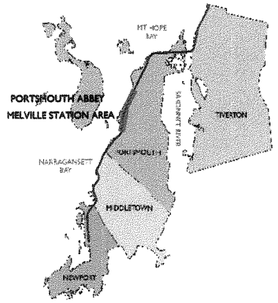


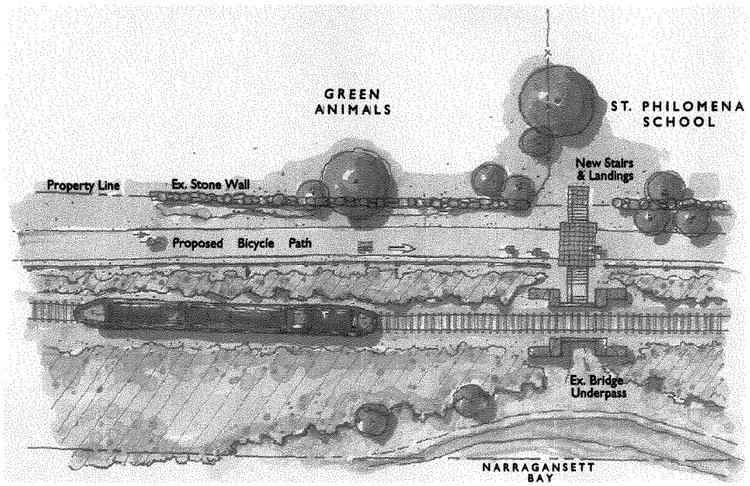
PLAN 4a - PORTSMOUTH ABBEY

MILE POST 8.92 TO 7.78

0 100' 200' 400' N

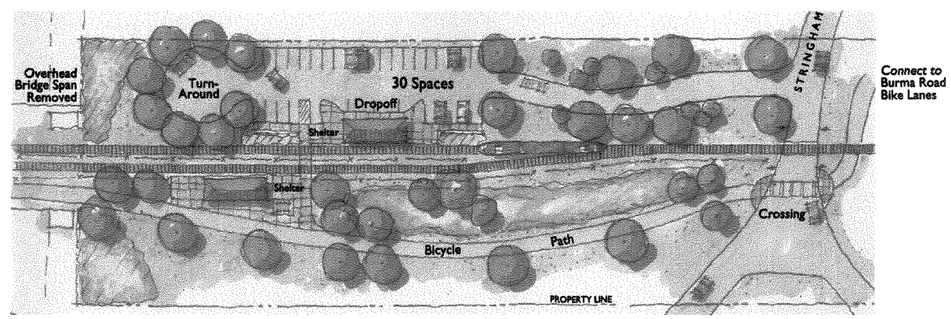


KEY PLAN N



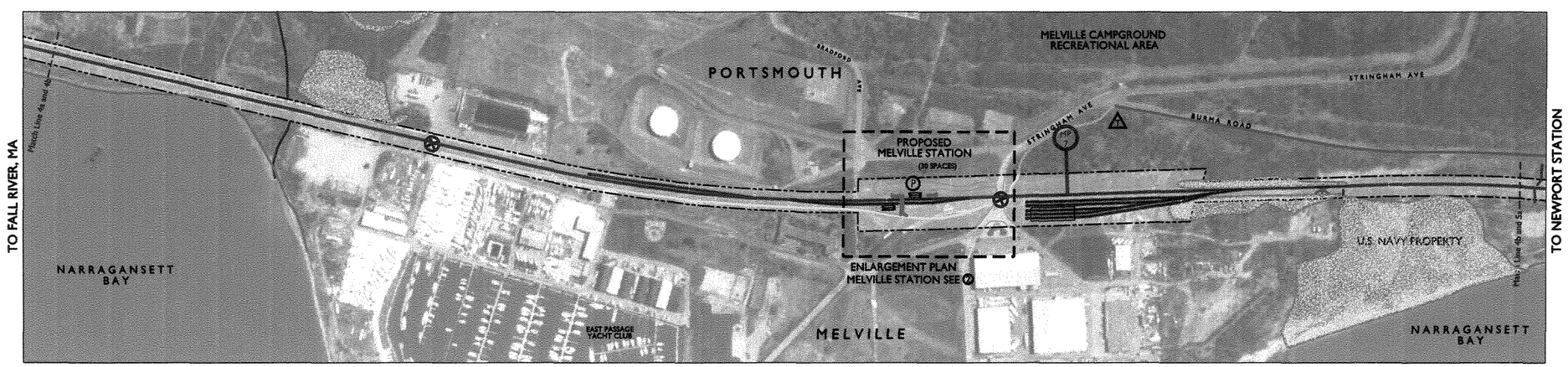
1 ENLARGEMENT PLAN - STAIRWAY CROSSING @ THE ST. PHILOMENA SCHOOL

SCALE: 1" = 20'



2 ENLARGEMENT PLAN - MELVILLE STATION

SCALE: 1" = 50'



PLAN 4b - MELVILLE STATION

MILE POST 7.78 TO 6.66

0 100' 200' 400' N

LEGEND

RAILROAD

- RAILROAD RIGHT-OF-WAY
- RAILROAD CORRIDOR
- PROPOSED TRACK LOCATION
- PROPOSED PLATFORM AND SHELTER
- MILEPOST MARKER

BICYCLE PATH

- SHARED BIKE ROUTE ON ROAD (PROPOSED)
- SHARED BIKE ROUTE ON ROAD (EXISTING)
- PATH ON GRADE
- PATH ON STRUCTURE (INCLUDES BOARDWALK)
- ALTERNATE PATH ROUTE (BOARDWALK DASHED)

TRAFFIC CROSSINGS

- ROAD CROSSING (MINOR)
- ROAD CROSSING (MAJOR)
- TRACK CROSSING
- EXISTING BRIDGE CROSSING

WATER RESOURCES

- LIMIT OF FRESHWATER AND COASTAL WETLANDS
- PERENNIAL STREAM
- OTHER WATER BODY

POTENTIAL SITE FEATURES

- TRAILHEAD/GATEWAY
- OVERLOOK
- PARKING AREA (PUBLIC)
- AREA OF HISTORIC INTEREST
- VIEW MANAGEMENT AREA
- SCREEN OR VEGETATED BUFFER

Barbara Sokoloff Associates

KKO and Associates, L.L.C.

GORDON, BUA & READ
A DIVISION OF TRANSMISSION CORP.
24 SALEM STREET
READING, MASSACHUSETTS 01867

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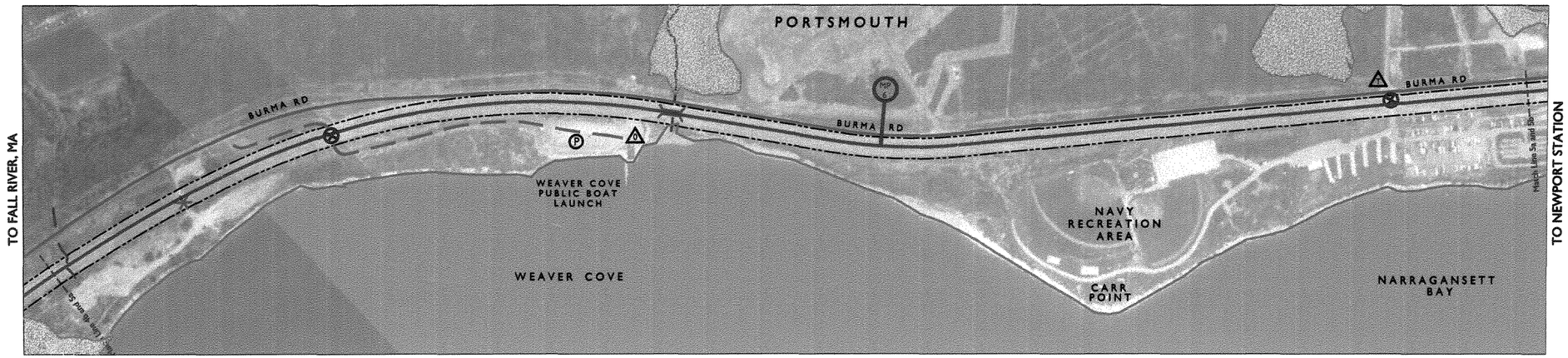
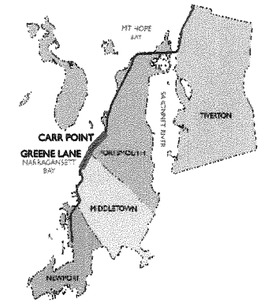


PLAN 5a - CARR POINT

MILE POST 6.66 TO 5.50

0 100' 200' 400' N



KEY PLAN

N

LEGEND

RAILROAD

- RAILROAD RIGHT-OF-WAY
- RAILROAD CORRIDOR
- PROPOSED TRACK LOCATION
- PROPOSED PLATFORM AND SHELTER
- MILEPOST MARKER

BICYCLE PATH

- SHARED BIKE ROUTE ON ROAD (PROPOSED)
- SHARED BIKE ROUTE ON ROAD (EXISTING)
- PATH ON GRADE
- PATH ON STRUCTURE (INCLUDES BOARDWALK)
- ALTERNATE PATH ROUTE (BOARDWALK DASHED)

TRAFFIC CROSSINGS

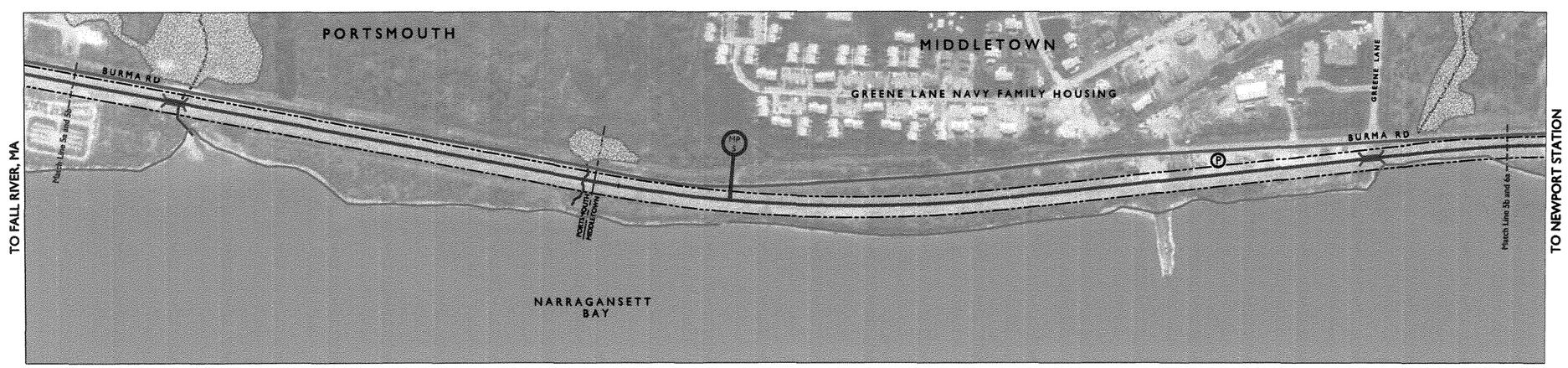
- ROAD CROSSING (MINOR)
- ROAD CROSSING (MAJOR)
- TRACK CROSSING
- EXISTING BRIDGE CROSSING

WATER RESOURCES

- LIMIT OF FRESHWATER AND COASTAL WETLANDS
- PERENNIAL STREAM
- OTHER WATER BODY

POTENTIAL SITE FEATURES

- TRAILHEAD/GATEWAY
- OVERLOOK
- PARKING AREA (PUBLIC)
- AREA OF HISTORIC INTEREST
- VIEW MANAGEMENT AREA
- SCREEN OR VEGETATED BUFFER



PLAN 5b - GREENE LANE

MILE POST 5.50 TO 4.41

0 100' 200' 400' N

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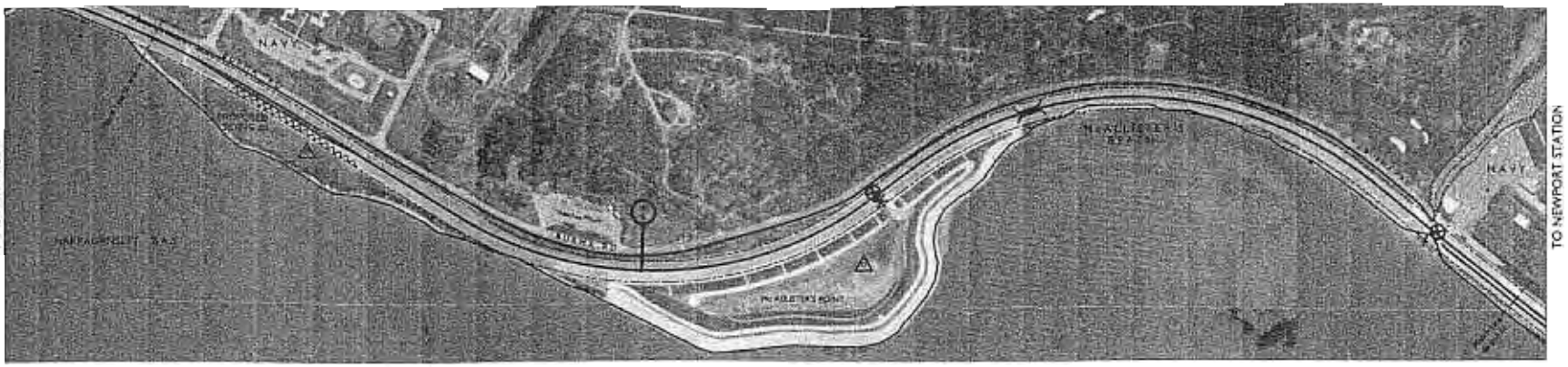
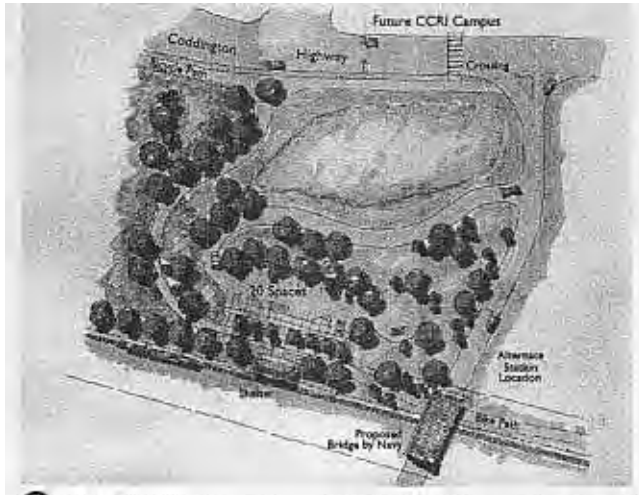


PLAN 6a - Mc ALLISTER'S POINT
MILE POST 4.41 TO 3.27

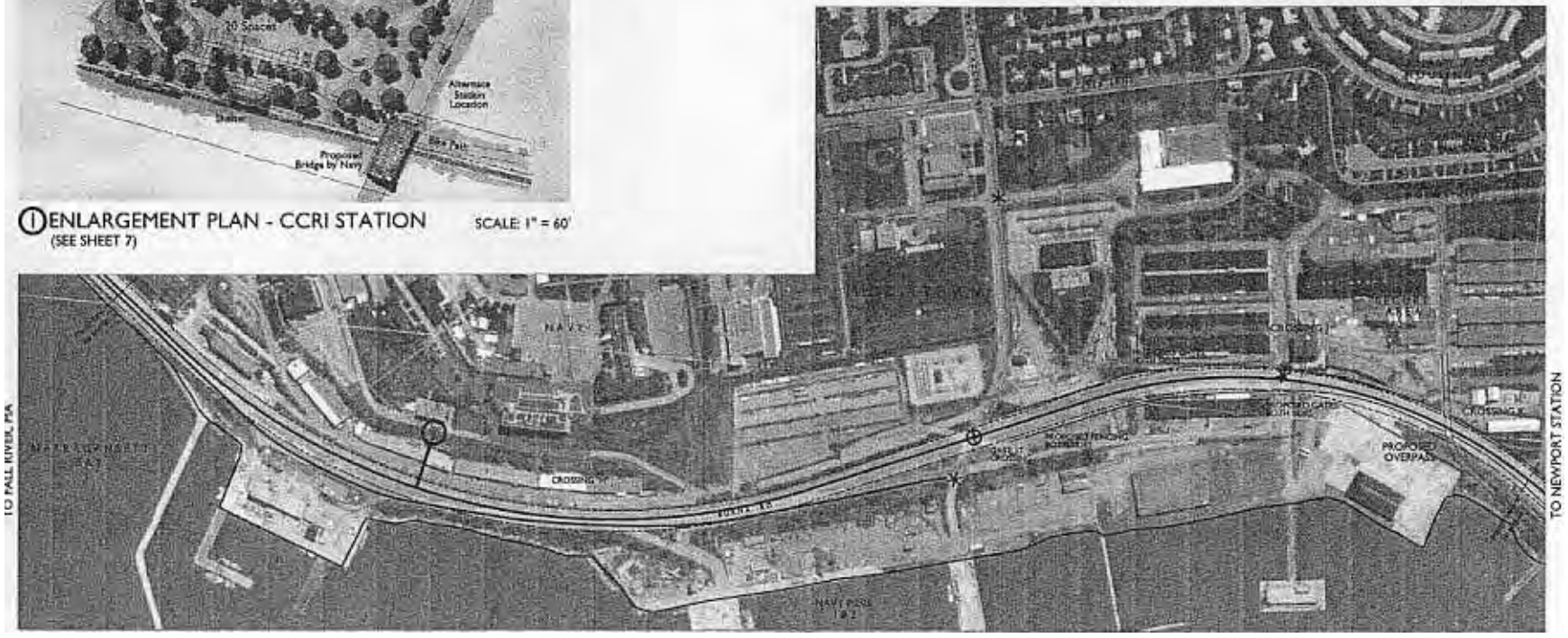
0 100' 200' 400'



1 ENLARGEMENT PLAN - CCRI STATION
(SEE SHEET 7)

SCALE: 1" = 60'

EXISTING PATH @ NAVY HOUSING



PLAN 6b - NAVY PIERS
MILE POST 3.27 TO 2.13

0 100' 200' 400'

KEY PLAN

LEGEND

PROPOSED PLATFORM AND SHELTER
MILEPOST MARKER

BICYCLE PATH
SHARED BIKE ROUTE ON ROAD (PROPOSED)
SHARED BIKE ROUTE ON ROAD (EXISTING)

ALTERNATE PATH ROUTE (BOARDWALK DASHED)

TRAFFIC CROSSINGS
ROAD CROSSING (MINOR)
ROAD CROSSING (MAJOR)
TRACK CROSSING
EXISTING BRIDGE CROSSING

WATER RESOURCES
LIMIT OF FRESHWATER AND COASTAL WETLANDS
PERENNIAL STREAM
OTHER WATER BODY

POTENTIAL SITE FEATURES
TRAILHEAD/GATEWAY
OVERLOOK
PARKING AREA (PUBLIC)
AREA OF HISTORIC INTEREST
VIEW MANAGEMENT AREA
SCREEN OR VEGETATED BUFFER

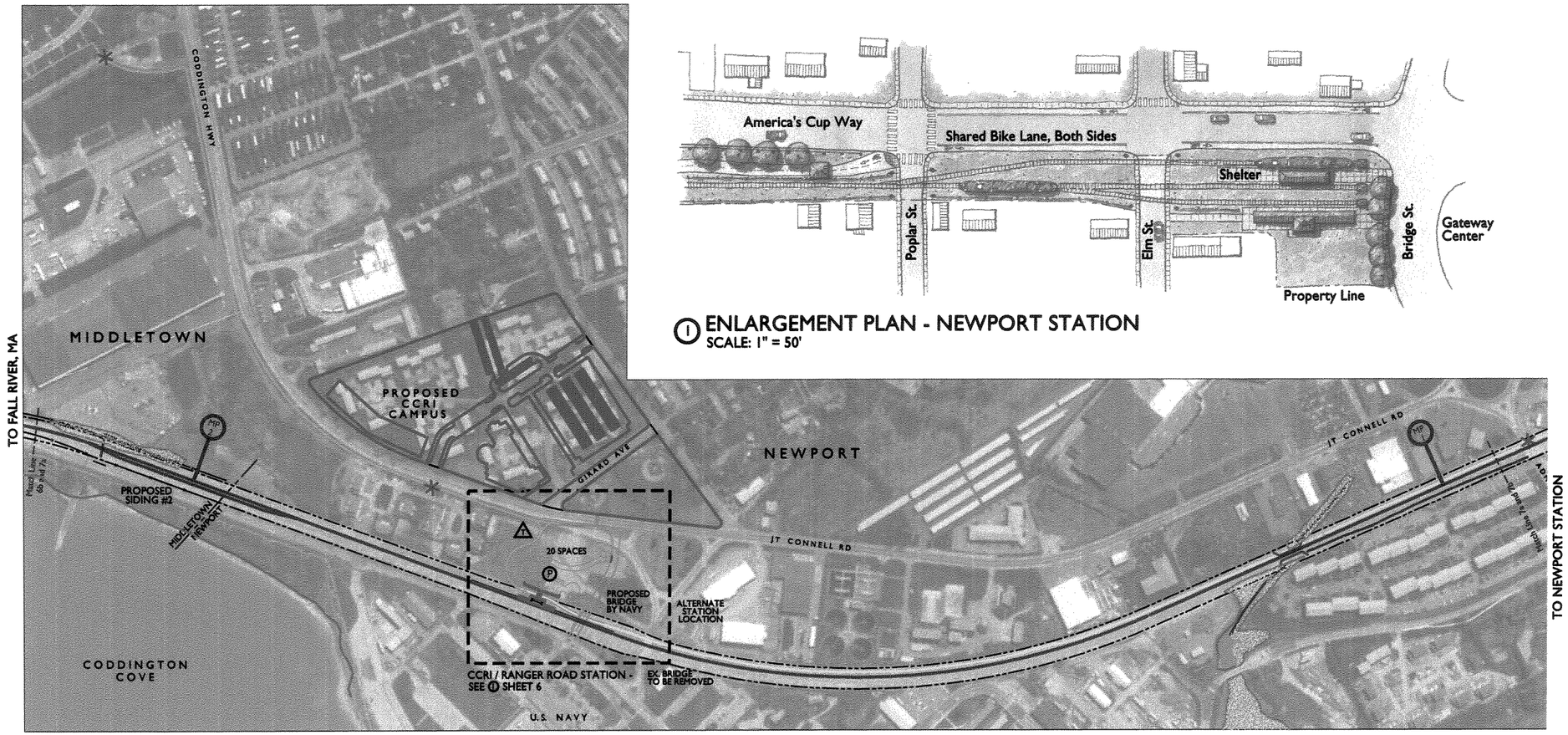
Barbara Sokoloff Associates

AKRO and Associates, L.L.C.

GORDON, BUA & READ

C R J A
CAROL R. JOHNSON ASSOCIATES, INC

THE Louis Berger Group, INC.



PLAN 7a - CCRI / RANGER ROAD STATION

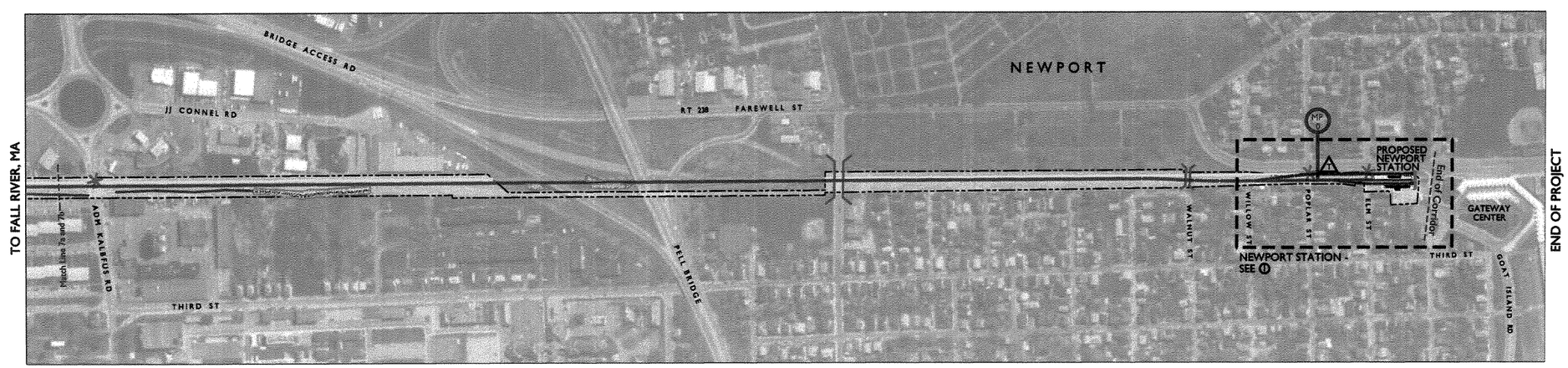
MILE POST 2.13 TO 0.96

0 100' 200' 400'

N

1 ENLARGEMENT PLAN - NEWPORT STATION

SCALE: 1" = 50'

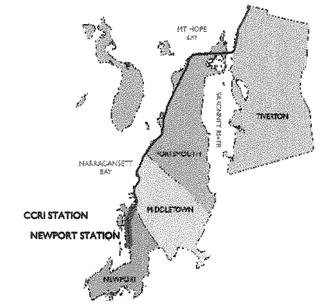


PLAN 7b - NEWPORT STATION

MILE POST 0.96 TO 0.00

0 100' 200' 400'

N



KEY PLAN

N

LEGEND

RAILROAD

- RAILROAD RIGHT-OF-WAY
- RAILROAD CORRIDOR
- PROPOSED TRACK LOCATION
- PROPOSED PLATFORM AND SHELTER
- MP 15 MILEPOST MARKER

BICYCLE PATH

- SHARED BIKE ROUTE ON ROAD (PROPOSED)
- SHARED BIKE ROUTE ON ROAD (EXISTING)
- PATH ON GRADE
- PATH ON STRUCTURE (INCLUDES BOARDWALK)
- ALTERNATE PATH ROUTE (BOARDWALK DASHED)

TRAFFIC CROSSINGS

- ROAD CROSSING (MINOR)
- ROAD CROSSING (MAJOR)
- TRACK CROSSING
- EXISTING BRIDGE CROSSING

WATER RESOURCES

- LIMIT OF FRESHWATER AND COASTAL WETLANDS
- PERENNIAL STREAM
- OTHER WATER BODY

POTENTIAL SITE FEATURES

- TRAILHEAD/GATEWAY
- OVERLOOK
- PARKING AREA (PUBLIC)
- AREA OF HISTORIC INTEREST
- VIEW MANAGEMENT AREA
- SCREEN OR VEGETATED BUFFER

Barbara Sokoloff Associates

KKO and Associates, L.L.C.

GORDON, HUA & READ
A DIVISION OF ENGINEERING CENTER
34 MAIN STREET
READING, MASSACHUSETTS 01867

CRJA
CAROL R. JOHNSON ASSOCIATES, INC

THE Louis Berger Group, INC

Environmental Studies

Figure 1-T: Environmental Resources and Recognized Environmental Conditions Mileposts 15.8 to 14.7, Tiverton
Figure 2-T: Environmental Resources and Recognized Environmental Conditions Mileposts 14.7 to 13.6, Tiverton
Figure 3-PT: Environmental Resources and Recognized Environmental Conditions Mileposts 13.6 to 12.3, Portsmouth and Tiverton
Figure 4-P: Environmental Resources and Recognized Environmental Conditions Mileposts 12.3 to 11.2, Portsmouth
Figure 5-P: Environmental Resources and Recognized Environmental Conditions Mileposts 11.2 to 10.1, Portsmouth
Figure 6-P: Environmental Resources and Recognized Environmental Conditions Mileposts 10.1 to 8.9, Portsmouth
Figure 7-P: Environmental Resources and Recognized Environmental Conditions Mileposts 8.9 to 7.8, Portsmouth
Figure 8-P: Environmental Resources and Recognized Environmental Conditions Mileposts 7.8 to 6.7, Portsmouth
Figure 9-P: Environmental Resources and Recognized Environmental Conditions Mileposts 6.7 to 5.6, Portsmouth
Figure 10-MP: Environmental Resources and Recognized Environmental Conditions Mileposts 5.6 to 4.4, Portsmouth and Middletown
Figure 11-M: Environmental Resources and Recognized Environmental Conditions Mileposts 4.4 to 3.2, Middletown
Figure 12-M: Environmental Resources and Recognized Environmental Conditions Mileposts 3.2 to 2.1, Middletown
Figure 13-NM: Environmental Resources and Recognized Environmental Conditions Mileposts 2.1 to 0.9, Newport and Middletown
Figure 14-N: Environmental Resources and Recognized Environmental Conditions Mileposts 0.9 to –0.1, Tiverton

04/01/PVD

File: LBG_SH_1.dwg

Rhode Island Department of Transportation

The Louis Berger Group, Inc.

LEGEND

- Flood Zone A
- Flood Zone AE
- Flood Zone VE
- Flood Zone X500
- Coastal Wetland
- Freshwater Wetland
- Stream
- New Bike Path
- Bike Path on Existing Roads

AQUIDNECK RAIL/BIKE PATH PROJECT ENVIRONMENTAL STUDIES FIGURE 1-T

Mileposts 15.8 to 14.7

Source: RIGIS	TIVERTON, RHODE ISLAND	Scale: 1" = 400 Feet	June 2002

04/01/PWD

File: LBG_sh_1.dwg

Rhode Island Department of Transportation

The Louis Berger Group, Inc.

LEGEND

- Flood Zone A
- Flood Zone AE
- Flood Zone VE
- Flood Zone X500
- Coastal Wetland
- Freshwater Wetland
- Stream
- New Bike Path
- Bike Path on Existing Roads

AQUIDNECK RAIL/BIKE PATH PROJECT ENVIRONMENTAL STUDIES FIGURE 2-T

Mileposts 14.7 to 13.6

Source: RIGIS	TIVERTON, RHODE ISLAND	Scale: 1" = 400 Feet	June 2002

04/01/PWD

File: LBG_sh_1.dwg

Rhode Island Department of Transportation

The Louis Berger Group, Inc.

LEGEND

- Flood Zone A
- Flood Zone AE
- Flood Zone VE
- Flood Zone X500
- Coastal Wetland
- Freshwater Wetland
- Stream
- New Bike Path
- Bike Path on Existing Roads

AQUIDNECK RAIL/BIKE PATH PROJECT
ENVIRONMENTAL STUDIES FIGURE 3-PT

Mileposts 13.6 to 12.3

Source: RIGIS	PORTSMOUTH, RHODE ISLAND	Scale: 1" = 400 Feet	June 2002

04/01/PWD

File: LBG_sh_1.dwg

Rhode Island Department of Transportation

The Louis Berger Group, Inc.

LEGEND

- Flood Zone A
- Flood Zone AE
- Flood Zone VE
- Flood Zone X500
- Coastal Wetland
- Freshwater Wetland
- Stream
- New Bike Path
- Bike Path on Existing Roads

AQUIDNECK RAIL/BIKE PATH PROJECT ENVIRONMENTAL STUDIES FIGURE 4-P

Mileposts 12.3 to 11.2

Source: RIGIS	PORTSMOUTH, RHODE ISLAND	Scale: 1" = 400 Feet	June 2002

04/01/PWD

File: LBG_sh_1.dwg

Rhode Island Department of Transportation

The Louis Berger Group, Inc.

LEGEND

- Flood Zone A
- Flood Zone AE
- Flood Zone VE
- Flood Zone X500
- Coastal Wetland
- Freshwater Wetland
- Stream
- New Bike Path
- Bike Path on Existing Roads

AQUIDNECK RAIL/BIKE PATH PROJECT ENVIRONMENTAL STUDIES FIGURE 5-P

Mileposts 11.2 to 10.1

Source: RIGIS	PORTSMOUTH, RHODE ISLAND	Scale: 1" = 400 Feet	June 2002

04/01/PVD

File: LBG_sh_1.dwg

Rhode Island Department of Transportation

The Louis Berger Group, Inc.

LEGEND

- Flood Zone A
- Flood Zone AE
- Flood Zone VE
- Flood Zone X500
- Coastal Wetland
- Freshwater Wetland
- Stream
- New Bike Path
- Bike Path on Existing Roads

AQUIDNECK RAIL/BIKE PATH PROJECT
ENVIRONMENTAL STUDIES FIGURE 6-P

Mileposts 10.1 to 8.9

Source: RIGIS	PORTSMOUTH, RHODE ISLAND	Scale: 1" = 400 Feet	June 2002

04/01/PVD

File: LBG_sh_1.dwg

Rhode Island Department of Transportation

The Louis Berger Group, Inc.

LEGEND

- Flood Zone A
- Flood Zone AE
- Flood Zone VE
- Flood Zone X500
- Coastal Wetland
- Freshwater Wetland
- Stream
- New Bike Path
- Bike Path on Existing Roads

AQUIDNECK RAIL/BIKE PATH PROJECT ENVIRONMENTAL STUDIES FIGURE 7-P

Mileposts 8.9 to 7.8

Source: RIGIS	PORTSMOUTH, RHODE ISLAND	Scale: 1" = 400 Feet	June 2002

04/01/PWD

File: LBG_sh_1.dwg

Rhode Island Department of Transportation

The Louis Berger Group, Inc.

LEGEND

- Flood Zone A
- Flood Zone AE
- Flood Zone VE
- Flood Zone X500
- Coastal Wetland
- Freshwater Wetland
- Stream
- New Bike Path
- Bike Path on Existing Roads

AQUIDNECK RAIL/BIKE PATH PROJECT ENVIRONMENTAL STUDIES FIGURE 8-P

Mileposts 7.8 to 6.7

Source: RIGIS	PORTSMOUTH, RHODE ISLAND	Scale: 1" = 400 Feet	June 2002

04/01/PVD

File: LBG_sh_2.dwg

Rhode Island Department of Transportation

The Louis Berger Group, Inc.

LEGEND

- Flood Zone A
- Flood Zone AE
- Flood Zone VE
- Flood Zone X500
- Coastal Wetland
- Freshwater Wetland
- Stream
- New Bike Path
- Bike Path on Existing Roads

AQUIDNECK RAIL/BIKE PATH PROJECT ENVIRONMENTAL STUDIES FIGURE 9-P

Mileposts 6.7 to 5.6

Source: RIGIS	PORTSMOUTH, RHODE ISLAND	Scale: 1" = 400 Feet	June 2002

04/01/PVD

File: LBG_sh_2.dwg

Rhode Island Department of Transportation

The Louis Berger Group, Inc.

LEGEND

- Flood Zone A
- Flood Zone AE
- Flood Zone VE
- Flood Zone X500
- Coastal Wetland
- Freshwater Wetland
- Stream
- New Bike Path
- Bike Path on Existing Roads

AQUIDNECK RAIL/BIKE PATH PROJECT ENVIRONMENTAL STUDIES FIGURE 10-MP

Mileposts 5.6 to 4.4

Source: RIGIS	PORTS./MIDDLE., RHODE ISLAND	Scale: 1" = 400 Feet	June 2002

04/01/PVD

File: LBG_sh_2.dwg

Rhode Island Department of Transportation

The Louis Berger Group, Inc.

LEGEND

- Flood Zone A
- Flood Zone AE
- Flood Zone VE
- Flood Zone X500
- Coastal Wetland
- Freshwater Wetland
- Stream
- New Bike Path
- Bike Path on Existing Roads

AQUIDNECK RAIL/BIKE PATH PROJECT ENVIRONMENTAL STUDIES FIGURE 11-M

Mileposts 4.4 to 3.2

Source: RIGIS	MIDDLETOWN, RHODE ISLAND	Scale: 1" = 400 Feet	June 2002

04/01/PV0

File: LBG_sh_2.dwg

Rhode Island Department of Transportation

The Louis Berger Group, Inc.

LEGEND

- Flood Zone A
- Flood Zone AE
- Flood Zone VE
- Flood Zone X500
- Coastal Wetland
- Freshwater Wetland
- Stream
- New Bike Path
- Bike Path on Existing Roads

AQUIDNECK RAIL/BIKE PATH PROJECT ENVIRONMENTAL STUDIES FIGURE 12-M

Mileposts 3.2 to 2.1

Source: RIGIS	MIDDLETOWN, RHODE ISLAND	Scale: 1" = 400 Feet	June 2002

04/01/PM0

File: LBG_sh_2.dwg

Rhode Island Department of Transportation

The Louis Berger Group, Inc.

LEGEND

- Flood Zone A
- Flood Zone AE
- Flood Zone VE
- Flood Zone X500
- Coastal Wetland
- Freshwater Wetland
- Stream
- New Bike Path
- Bike Path on Existing Roads

AQUIDNECK RAIL/BIKE PATH PROJECT ENVIRONMENTAL STUDIES FIGURE 13-NM

Mileposts 2.1 to 0.9

Source: RIGIS	NEW./MIDDLE., RHODE ISLAND	Scale: 1" = 400 Feet	June 2002

04/01/PVD

Rhode Island Department of Transportation

The Louis Berger Group, Inc.

LEGEND

- Flood Zone A
- Flood Zone AE
- Flood Zone VE
- Flood Zone X500
- Coastal Wetland
- Freshwater Wetland
- Stream
- New Bike Path
- Bike Path on Existing Roads

AQUIDNECK RAIL/BIKE PATH PROJECT ENVIRONMENTAL STUDIES FIGURE 14-N

Mileposts 0.9 to -0.1

Source: RIGIS	NEWPORT, RHODE ISLAND	Scale: 1" = 400 Feet	June 2002

File: LBG_sh_2.dwg

APPENDIX B
PHOTOGRAPHS
Photographs taken at the rail corridor during inspections

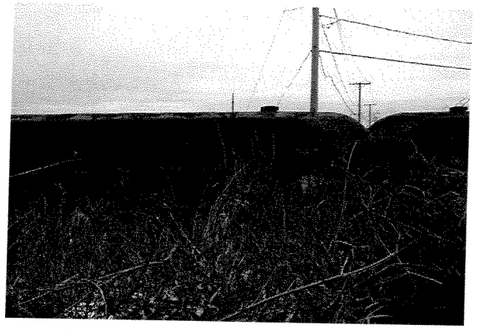


Photo 3-1: Abandoned Rail cars located adjacent to the Subject Property.

Photo 3-2: Typical stains on railroad ties.

Photo 3-3: Abandoned plastic barrel located adjacent to the Subject Property.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

THE LOUIS BERGER GROUP, INC.

Segment 3 Site Photographs

AQUIDNECK ISLAND RAIL
PORTSMOUTH, RHODE ISLAND

Source: LBG	*PH1 Aquidneck.ppt*	May 2002

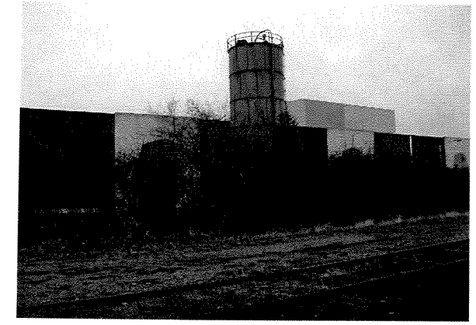


Photo 4-1: Tall silo located at the north end of the building and adjacent to the Subject Property.

Photo 4-2: Tall silos located at the south end of the building and adjacent to the Subject Property.

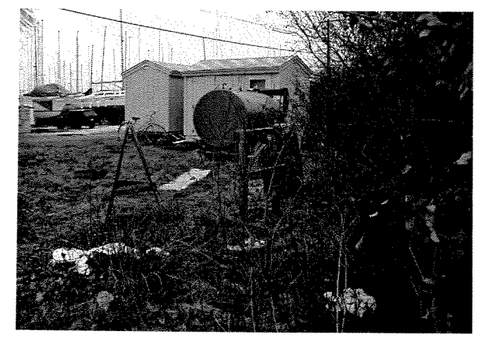


Photo 4-3: Solid waste located adjacent to the Subject Property at the foreground.

Photo 4-4: Turbid standing water within the Subject Property.

Photo 4- 5: Orange powdery substance located within the ditch of the Subject Property.

Photo 4-6: Oil Sheen within ditch at the Subject Property.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

THE LOUIS BERGER GROUP, INC.

Segment 4 Site Photographs

AQUIDNECK ISLAND RAIL
PORTSMOUTH, RHODE ISLAND

Source: LBG	*PH1 Aquidneck.ppt*	May 2002

Photo 4-7: Junk metal and electrical parts adjacent to the Subject Property (Melville dinner train staging area).

Photo 4-8: Batteries adjacent to the Subject Property (Melville dinner train staging area).

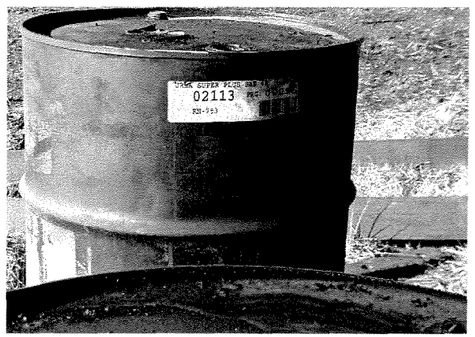


Photo 4-9: Used oil drums located adjacent to the Subject Property (Melville dinner train staging area).

Photo 4-10: New oil buckets located adjacent to the Subject Property (Melville dinner train staging area).

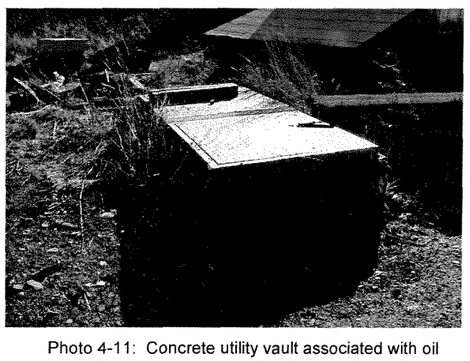


Photo 4-11: Concrete utility vault associated with oil control valves located on the Subject Property.

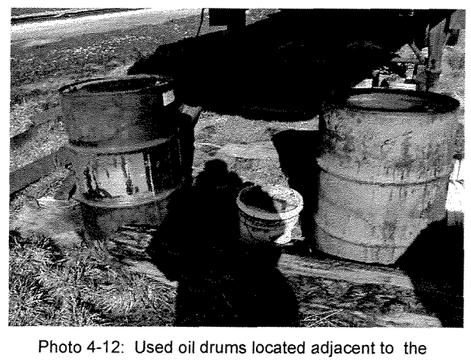


Photo 4-12: Used oil drums located adjacent to the Subject Property.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

THE LOUIS BERGER GROUP, INC.

Segment 4 Site Photographs

AQUIDNECK ISLAND RAIL
PORTSMOUTH, RHODE ISLAND

Source: LBG	*PH1 Aquidneck.ppt*	May 2002

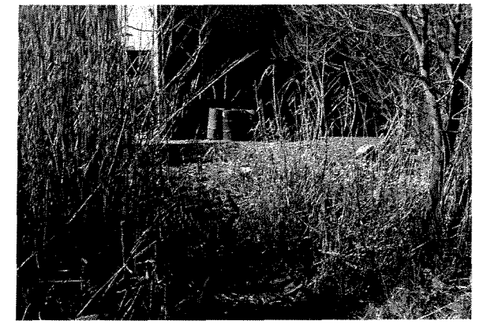


Photo 5-1: 55-gallons drums located adjacent to the Subject Property.

Photo 5-2: Overturned plastic barrels located on the Subject Property.

Photo 5-3: An Abandoned engine located within the Subject Property.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

THE LOUIS BERGER GROUP, INC.

Segment 5 Site Photographs

AQUIDNECK ISLAND RAIL
NEWPORT, RHODE ISLAND

Source: LBG	*PH1 Aquidneck.ppt*	May 2002

Photo 6-1: An abandoned gasoline container at the southwest corner of the intersection of Stringham Road.

Photo 6-2: Overturned plastic barrels located southwest corner of the intersection of Stringham Road.

Photo 6-3: An Abandoned 55-gallon drum located at southwest corner of the intersection of Stringham Road.

Photo 6-4: An Abandoned propane gas tank located southwest corner of the intersection of Stringham Road.

Photo 6-5: Typical concrete box located along the Subject Property in Newport, Middletown, and Portsmouth.

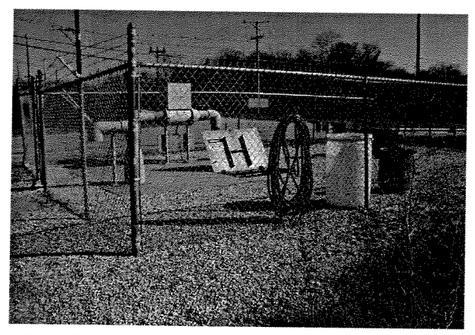


Photo 6-6: An utility underground vault located within the Subject Property.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

THE LOUIS BERGER GROUP, INC.

Segment 6 Site Photographs

AQUIDNECK ISLAND RAIL
PORTSMOUTH, MIDDLETOWN, AND NEWPORT
RHODE ISLAND

Source: LBG	*PH1 Aquidneck.ppt*	May 2002

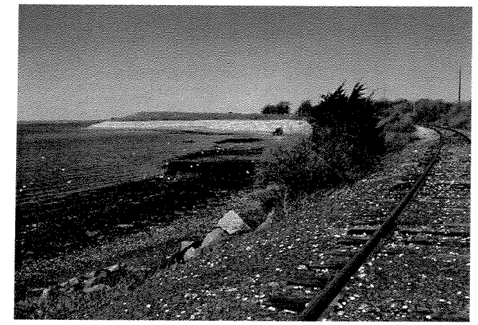


Photo 6-7: Newly capped McAllister Landfill with new rip-rap (white strip) located adjacent to the Subject Property.

Photo 6-8: A solidified mass of molten metal situated adjacent to the west rail.

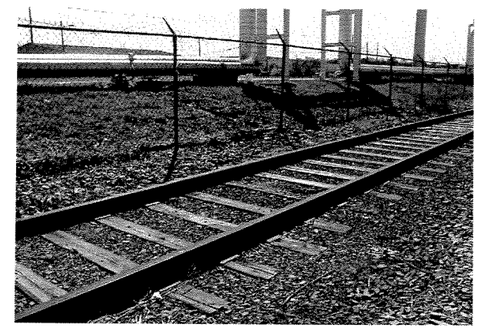


Photo 6-9: Leakage from the above ground piping system onto the Subject Property (area 1).

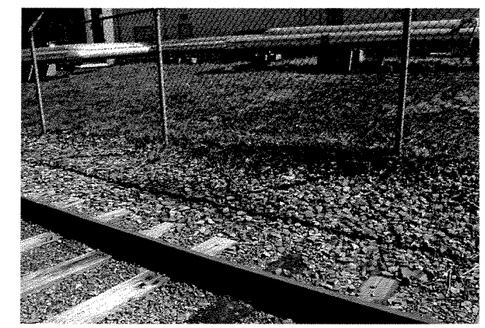


Photo 6-10: Leakage from the above ground piping system onto the Subject Property (area 2).

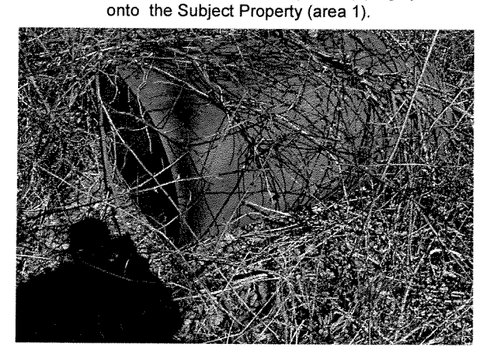


Photo 6-11: An abandoned AST located within the Subject Property.

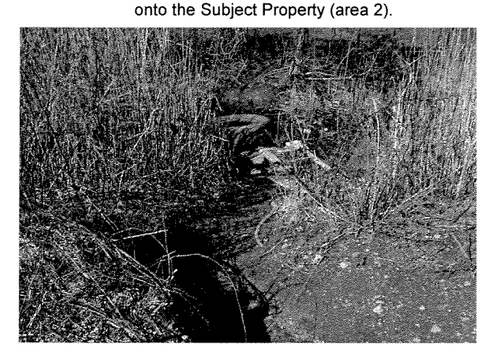


Photo 6-12: Solid waste at milepost 1.1 of the Subject Property.

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

THE LOUIS BERGER GROUP, INC.

Segment 6 Site Photographs

AQUIDNECK ISLAND RAIL
PORTSMOUTH, MIDDLETOWN, AND NEWPORT
RHODE ISLAND

Source: LBG	*PH1 Aquidneck.ppt*	May 2002

APPENDIX C
CORRESPONDENCE WITH RHODE ISLAND DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

Letter received from Rhode Island Natural Heritage Program

RHODE ISLAND
DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

235 Promenade Street, Providence, RI 02908-5767 TDD 401-831-5508

RECEIVED
MAY 21 2002

Bryan J. Wolfenden
The Louis Berger Group, Inc.
295 Promenade Street
Providence, RI 02908

May 20, 2002

RE: Aquidneck Rail and Bike Path Feasibility Study
Aquidneck Island and Town of Tiverton, RI

Dear Bryan:

Thank you for contacting the Rhode Island Natural Heritage Program for information regarding the occurrence of threatened or endangered species and exemplary natural communities within the limits of the above-referenced project, as identified in your letter and map dated May 13, 2002.

We have had the opportunity to review this area for previous requests, including a contracted field review for all Navy properties, and determined there are no rare, threatened, or endangered species, or exemplary natural communities within the project area. As our inventory is ongoing, more information may become available in the future; however, I foresee no need for permitting or additional review.

If I can provide any additional information regarding this review, please contact me at (401) 222-2777, extension 4308.

Sincerely,

Richard W. Enser

Richard W. Enser, Coordinator
RI Natural Heritage Program