

September 17, 2019

STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS
DEPARTMENT OF ADMINISTRATION

DIVISION OF PURCHASES BID NO. 7598949

RHODE ISLAND DEPARTMENT OF TRANSPORTATION

RHODE ISLAND CONTRACT NO. 2019-CH-026

FEDERAL-AID PROJECT NO. FAP Nos. STPG-0114(026) & STPG-HSIP(068) & REV-MEND(001)
& 3RD-PRTY(254)

Broad Street Regeneration

CITIES/TOWNS OF CENTRAL FALLS, CUMBERLAND, AND PAWTUCKET

COUNTY OF PROVIDENCE

NOTICE TO PROSPECTIVE BIDDERS

ADDENDUM NO. 1 Prospective bidders and all concerned are hereby notified of the following changes in the Plans, Specifications, Proposal and Distribution of Quantities for this contract. These changes shall be incorporated in the Plans, Specifications, Proposal and Distribution of Quantities, and shall become an integral part of the Contract Documents.

A. Contract Dates

1. Bid-Opening Date

Bid-Opening Date Updated to October 15, 2019

B. General Provisions - Contract Specific

1. Supplemental General Provisions – Contract Specific

Added General Provisions Contract Specific Supplemental Section – Mendon Road Drainage with Appendix.

C. Specification Change/Addition

1. Special Provision Index

Delete Page JS-ii and replace it with Page JS-ii (R-1) attached to this Addendum No. 1. Item Codes 410.9901, 702.9903, 704.9901, 704.9902, 704.9903, 704.9904, 705.9905, 704.9906, 704.9909, 704.9907, 704.9908, 707.9902, and 905.1000 have been added to the index.

2. Special Provisions

Add pages JS-63 through JS-72 attached to this Addendum No. 1. Item Codes 410.9901, 702.9903, 704.9901, 704.9902, 704.9903, 704.9904, 705.9905, 704.9906, 704.9909, 704.9907, 704.9908, 707.9902, and 905.1000 have been added.

D. Distribution of Quantities

1. Table of Contents – Distribution of Quantities

Delete Pages Index 1 through Index 6 in their entirety and replace them with revised Pages Index (R-1) through Index 6 (R1) attached to this Addendum No. 1.

2. Item Code 201.0402 Remove and Dispose Concrete Curb. Delete Page 2 of 310 in its entirety and replace with Page 2 of 310 (R-1) attached to this Addendum No. 1. The quantity for Item Code 201.0402 has been revised.

Item Code 201.0402 Remove and Dispose Concrete Curb.
Add Page 2a of 310 attached to this Addendum No. 1.

3. Item Code 201.0403 Remove and Dispose Sidewalks. Delete Page 5 of 310 in its entirety and replace with Page 5 of 310 (R-1) attached to this Addendum No. 1. The quantity for Item Code 201.0403 has been revised.

Item Code 201.0403 Remove and Dispose Sidewalks.
Add Page 5a of 310 attached to this Addendum No. 1.

4. Item Code 201.0409 Remove and Dispose Flexible Pavement. Delete Page 10 of 310 in its entirety and replace with Page 10 of 310 (R-1) attached to this Addendum No. 1. The quantity for Item Code 201.0409 has been revised.

Item Code 201.0409 Remove and Dispose Flexible Pavement.
Add Page 10a of 310 attached to this Addendum No. 1.

5. Item Code 201.0422 Remove and Dispose Drop Inlet. Delete Page 296 of 310 in its entirety and replace with Page 296 of 310 (R-1) attached to this Addendum No. 1. The quantity for Item Code 201.0422 has been added.

6. Item Code 201.0428 Remove and Dispose Frame and Grate or Frame and Cover. Delete Page 14 of 310 in its entirety and replace with Page 14 of 310 (R-1) attached to this Addendum No. 1. The quantity for Item Code 201.0428 has been revised.

Item Code 201.0428 Remove and Dispose Frame and Grate or Frame and Cover.
Add Page 14a of 310 attached to this Addendum No. 1.

7. Item Code 201.0453 Remove and Stockpile on Site Frame Grates and Covers, Item Code 201.9901 Remove and Dispose of Grate Only 6.3.2G (DGO), Item Code 202.0800 Gravel Borrow, Item Code 401.3005 Class 9.5 HMA for Miscellaneous Work, Item Code 410.9901 Sewer Manhole Pavement Patch (SMPP), Item Code 702.0510 Heavy-Duty Square Frame and Round Cover Standard 6.1.1, Item Code 702.0517 Frame and Grate, Standard 6.3.2, Item Code 702.0531 Precast Concrete Inlet Stone 38" Standard 7.1.6, Item Code 702.0532 Precast Concrete Apron Stone 5' Standard 7.1.7, Item Code 702.0533 Precast Concrete Apron Stone 38" Standard 7.1.8, Item Code 702.9902 Square Grate Only 6.3.2 (DGO), Item Code 702.9903 Cumberland Sanitary Sewer Frame and Cover, Item Code 704.0300 Reconstruct Catch Basin/Vertical Walls, Item Code 704.0400 Reconstruct Manhole/Vertical Walls, Item Code 704.9901 Reconstruct Catch Basin Type F, Item Code 704.9902 Reconstruct Catch Basin with Gutter Inlet (RCBGI), Item Code 704.9903 Reconstruct Double Catch Basin (RDCB), Item Code 704.9904 Reconstruct Manhole, Item Code 704.9905 Reconstruct Special Gutter Inlet, Item Code 704.9906 Reconstruct Double Catch Basin-T (RDCB-T), Item Code 704.9907 Reconstruct Sanitary Sewer Manhole, Item Code 704.9908 Reconstruct Catch Basin with Double Gutter Inlet to Single Gutter Inlet (RCBGI-DS), Item Code 704.9909 Reconstruct Catch Basin with Double Gutter Inlet (RCDGI), Item Code 707.9902 Adjust Sanitary Manhole (ASMH), Item Code 905.0140 Bituminous Sidewalk Standard 43.2.0, Item Code 906.0211 Cement Concrete Curb Precast Circular Standard 7.1.0, Item Code 906.0212 Cement Concrete Curb Precast 2' Corner Standard 7.1.4, Item Code 906.0221 6' Precast Concrete Transition Curb Standard 7.1.2, Item Code 906.0250 Precast Concrete Wheelchair Ramp Curb Standards 7.1.3, 43.3.0 and 43.3.1, Item Code 906.0261 Precast Concrete Ramp Stone 12-Inch Circular Standard 7.1.9, Item Code 906.0280 3' Precast Concrete Transition Curb Standard 7.1.1, Item Code 917.0105 Remove and Replace Rural Mailbox Post with Standard 15.1.0, Item Code 923.0105 Drum Barricade Standard 26.2.0, Item Code 925.0112 Portable Changeable Message Sign.

Add Pages 297 to 310 of 310 in its entirety attached to this Addendum No. 1. The quantities for Item Code 201.0453, Item Code 201.9901, Item Code 202.0800, Item Code 401.3005, Item Code 410.9901, Item Code 702.0510, Item Code 702.0517, Item Code 702.0532, Item Code 702.0533, Item Code 702.9902, Item Code 702.9903, Item Code 704.0300, Item Code 704.0400, Item Code 704.9901, Item Code 704.9902, Item Code 704.9903, Item Code 704.9904, Item Code 704.9905, Item Code 704.9906, Item Code 704.9907, Item Code 704.9908, Item Code 704.9909, Item Code 707.9902, Item Code 905.0140, Item Code 906.0211, Item Code 906.0212, Item Code 906.0221, Item Code 906.0250, Item Code 906.0261, Item Code 906.0280, Item Code 917.0105, Item Code 923.0105, Item Code 925.0112 have been added.

8. Item Code 202.0100 Earth Excavation. Delete Page 32 of 310 in its entirety and replace with Page 32 of 310 (R-1) attached to this Addendum No. 1. The quantity for Item Code 202.0100 has been revised.

Item Code 202.0100 Earth Excavation.
Add Page 32a of 310 attached to this Addendum No. 1.

9. Item Code 204.0100 Trimming and Fine Grading. Delete Page 34 of 310 in its entirety and replace with Page 34 of 310 (R-1) attached to this Addendum No. 1. The quantity for Item Code 204.0100 has been revised.

Item Code 204.0100 Trimming and Fine Grading.
Add Page 34a of 310 attached to this Addendum No. 1.

10. Item Code 601.0200 Class XX Portland Cement Concrete. Delete Page 46 of 310 in its entirety and replace with Page 46 of 310 (R-1) attached to this Addendum No. 1. The quantity for Item Code 601.0200 has been revised.

Item Code 601.0200 Class XX Portland Cement Concrete.
Add Page 46a of 310 attached to this Addendum No. 1.

11. Item Code 702.0516 Frame and Grate, High Capacity, Standard 6.3.4. Delete Page 55 of 310 in its entirety and replace with Page 55 of 310 (R-1) attached to this Addendum No. 1. The quantity for Item Code 702.0516 has been revised.

Item Code 702.0516 Frame and Grate, High Capacity, Standard 6.3.4.
Add Page 55a of 310 attached to this Addendum No. 1.

12. Item Code 702.0541 Granite Inlet Stone 38" Standard 7.3.6. Delete Page 58 of 310 in its entirety and replace with Page 58 of 310 (R-1) attached to this Addendum No. 1. The quantity for Item Code 702.0541 has been revised.

Item Code 702.0541 Granite Inlet Stone 38" Standard 7.3.6.
Add Page 58a of 310 attached to this Addendum No. 1.

13. Item Code 702.0712 Precast Concrete Drop Inlet Standard 4.5.0. Delete Page 64 of 310 in its entirety and replace with Page 64 of 310 (R-1) attached to this Addendum No. 1. The quantity for Item Code 702.0712 has been revised.

Item Code 702.0712 Precast Concrete Drop Inlet Standard 4.5.0.
Add Page 64a of 310 attached to this Addendum No. 1.

14. Item Code 702.0713 Precast Concrete Drop Inlet with Apron Stone Standard 4.5.1. Delete Page 65 of 310 in its entirety and replace with Page 65 of 310 (R-1) attached to this Addendum No. 1. The quantity for Item Code 702.0713 has been revised.

Item Code 702.0713 Precast Concrete Drop Inlet with Apron Stone Standard 4.5.1.
Add Page 65a of 310 attached to this Addendum No. 1.

15. Item Code 713.8300 Adjust Gas Gate Boxes to Grade. Delete Page 106 of 310 in its entirety and replace with Page 106 of 310 (R-1) attached to this Addendum No. 1. The quantity for Item Code 713.8300 has been revised.

Item Code 713.8300 Adjust Gas Gate Boxes to Grade.
Add Page 106a of 310 attached to this Addendum No. 1.

16. Item Code 905.0110 Portland Cement Sidewalk Monolithic Standard 43.1.0. Delete Page 126 of 310 in its entirety and replace with Page 126 of 310 (R-1) attached to this Addendum No. 1. The quantity for Item Code 905.0110 has been revised.

Item Code 905.0110 Portland Cement Sidewalk Monolithic Standard 43.1.0.
Add Page 126a of 310 attached to this Addendum No. 1.

17. Item Code 905.0115 Portland Cement Driveway Monolithic Standard 43.5.0. Delete Page 132 of 310 in its entirety and replace with Page 132 of 310 (R-1) attached to this Addendum No. 1. The quantity for Item Code 905.0115 has been revised.

Item Code 905.0115 Portland Cement Driveway Monolithic Standard 43.5.0.
Add Page 132a of 310 attached to this Addendum No. 1.

18. Item Code 906.0210 Cement Concrete Curb Precast Straight Standard 7.1.0. Delete Page 186 of 310 in its entirety and replace with Page 186 of 310 (R-1) attached to this Addendum No. 1. The quantity for Item Code 906.0210 has been revised.

Item Code 906.0210 Cement Concrete Curb Precast Straight Standard 7.1.0.
Add Page 186a of 310 attached to this Addendum No. 1.

19. Item Code 914.5010 Flagpersons, Item Code 914.5020 Flagpersons – Overtime. Delete Page 187 of 310 in its entirety and replace with Page 187 of 310 (R-1) attached to this Addendum No. 1. The quantities for Item Code 914.5010 and Item Code 914.5020 have been revised.

Item Code 914.5010 Flagpersons, Item Code 914.5020 Flagpersons – Overtime.
Add Page 187a of 310 attached to this Addendum No. 1.

20. Item Code 922.0100 Temporary Construction Signs Standard 29.1.0 and 27.1.1, Item Code 923.0120 Plastic Pipe Barricade Standard 26.3.0, Item Code 923.0200 Fluorescent Traffic Cones Standard 26.1.0. Delete Page 189 of 310 in its entirety and replace with Page 189 of 310 (R-1) attached to this Addendum No. 1. The quantities for Item Code 922.0100, Item Code 923.0120 and Item Code 923.0200 have been revised.

Item Code 922.0100 Temporary Construction Signs Standard 29.1.0 and 27.1.1, Item Code 923.0120 Plastic Pipe Barricade Standard 26.3.0, Item Code 923.0200 Fluorescent Traffic Cones Standard 26.1.0.
Add Page 189a of 310 attached to this Addendum No. 1.

21. Item Code 929.0110 Field Office. Delete Page 190 of 310 in its entirety and replace with Page 190 of 310 (R-1) attached to this Addendum No. 1. The quantity for Item Code 929.0110 has been revised.

Item Code 929.0110 Field Office.

Add Page 190a of 310 attached to this Addendum No. 1.

22. Item Code 932.0200 Full-Depth Sawcut of Bituminous Pavement. Delete Page 196 of 310 in its entirety and replace with Page 196 of 310 (R-1) attached to this Addendum No. 1. The quantity for Item Code 932.0200 has been revised.

Item Code 932.0200 Full-Depth Sawcut of Bituminous Pavement.

Add Page 196a of 310 attached to this Addendum No. 1.

23. Item Code 932.0220 Full Depth Sawcut of Bituminous Sidewalk/Driveway. Delete Page 201 of 310 in its entirety and replace with Page 201 of 310 (R-1) attached to this Addendum No. 1. The quantity for Item Code 932.0220 has been revised.

Item Code 932.0220 Full Depth Sawcut of Bituminous Sidewalk/Driveway.

Add Page 201a of 310 attached to this Addendum No. 1.

24. Item Code 932.0230 Full Depth Sawcut of Portland Cement Concrete Sidewalk/Driveway. Delete Page 208 of 310 in its entirety and replace with Page 208 of 310 (R-1) attached to this Addendum No. 1. The quantity for Item Code 932.0230 has been revised.

Item Code 932.0230 Full Depth Sawcut of Portland Cement Concrete Sidewalk/Driveway.

Add Page 208a of 310 attached to this Addendum No. 1.

25. Item Code 942.0200 Detectable Warning Panel Standard 48.1.0. Delete Page 215 of 310 in its entirety and replace with Page 215 of 310 (R-1) attached to this Addendum No. 1. The quantity for Item Code 942.0200 has been revised.

Item Code 942.0200 Detectable Warning Panel Standard 48.1.0.

Add Page 215a of 310 attached to this Addendum No. 1.

26. Item Code L01.0102 Loam Borrow 4 Inches Deep. Delete Page 219 of 310 in its entirety and replace with Page 219 of 310 (R-1) attached to this Addendum No. 1. The quantity for Item Code L01.0102 has been revised.

Item Code L01.0102 Loam Borrow 4 Inches Deep.

Add Page 219a of 310 attached to this Addendum No. 1.

27. Item Code L02.0102 Residential Seeding. Delete Page 222 of 310 in its entirety and replace with Page 222 of 310 (R-1) attached to this Addendum No. 1. The quantity for Item Code L01.0202 has been revised.

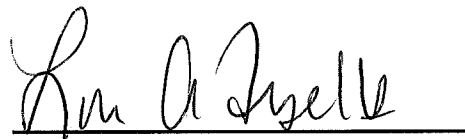
Item Code L02.0102 Residential Seeding.

Add Page 222a of 310 attached to this Addendum No. 1.

E. Drawings/Plans – Change/Addition

1. Volume 3 – Mendon Road Manholes and Catch Basins

Plans - Volume 3 have been added.



RI Department of Transportation

~~Administrator~~, Division of Project Management
manager,

Contract Summary

ESTIMATE NAME: Addendum No. 1

RHODE ISLAND CONTRACT NUMBER: 2019-CH-026

RHODE ISLAND FEDERAL-AID\STATE-AID PROJECT NUMBERS: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

PROJECT: Broad St Regeneration

LIMITS: Broad Street at Goff/Exchange Street in Pawtucket to Broad Street at Mendon Road in Cumberland.

CITY/TOWN: Central Falls, Cumberland, Pawtucket

COUNTY: PROVIDENCE

CONTRACT DESCRIPTION:

Rhode Island Contract No. 2019-CH-026, Federal Aid Project No. STP-0114(026) and No. STPG-HSIP(068), for the Broad Street Regeneration project will consist of but is not limited to erosion control, sawcutting, excavation, micromilling, trimming and fine grading, gravel borrow subbase course, granite curbing, concrete sidewalk, new pavement, signing & striping, new closed drainage system, driveways, utility adjustments, new traffic signals, flagpersons, temporary construction signs, field office, mobilization, maintenance and protection of traffic, loam & seed, and other incidentals completed and accepted as necessary to complete the work of this contract as required by the Engineer.

Cities of Pawtucket and Central Falls, Town of Cumberland. County of Providence.

Additional work shall include Rhode Island Contract No. 2019-CH-026, Federal Aid Project No. STP-0114(026), No. STPG-HSIP(068), REV-MEND(001), and 3RD-PRTY(254), is for Repairs to Mendon Road Manholes and Catch Basins from and Ann and Hope Way to Route 99; in the Town of Cumberland, in the County of Providence. The work shall include, but is not limited to, resetting selected depressed castings to grade including new or reset brick/block leveling courses, corbel repair, excavation, back fill with controlled low strength material (CLSM) non-excavatable flowable type III, remove and dispose pavement, 4"-8" Class 9.5 HMA in 2" lifts to grade around the castings; inlet chute repairs, precast gutter inlets, removing and disposing of gutter inlets, and minor curb and sidewalk repairs associated with depressed gutter and curb drainage inlets, resetting frame and grates or covers, new frame and covers or grates, reset or replace apron or inlet stones, pavement repair, adjust or rebuild select Cumberland sanitary sewer manholes to grade, new sanitary sewer manhole covers, maintenance and movement of traffic, and all incidentals, complete in place and accepted, as necessary to complete the work of this contract to the satisfaction of the Engineer.

DBE STATEMENT:

The Contractor will be required, in accordance with the provisions of the Disadvantaged Business Enterprise Affirmative Action Certification for Contractors and Consultants, to meet the established Race-Conscious Goal, or Contract Goal, of not less than 7.00 percent of the contract bid price, to the Contractors, Subcontractors, and/or suppliers which qualify as Disadvantaged Business Enterprises (DBE's). Failure by the Contractor to demonstrate every good faith effort in fulfilling its DBE commitment during the construction period will result in the reduction in contract payments by the amount determined by multiplying the awarded contract value by the established DBE percentage, and subtracting the dollar value of the work actually performed by DBE contractors. This action will not preclude RIDOT from imposing sanctions or other remedies available as specified in paragraph (l)(C) of the Disadvantaged Business Enterprise Affirmative Action Certification for Contractors and Consultants.

Contract Summary

BID PACKAGE DESCRIPTION:

The Bid Package consists of a single compact disk (CD) containing the following items: Construction Plans, Standard Specifications for Road and Bridge Construction, Compilations of Approved Specifications, Required Contract Provisions for Federal-Aid Construction Contracts, RI Division of Purchases Procurement Regulations, General Provisions, Rhode Island Standard Details, Rhode Island Bridge Standard Details, Federal Wage Rates, Contract-Specific General Provisions, Job-Specific Specifications, Distribution of Quantities, Appendices (if applicable), Quest Lite bid file, Quest Lite installation software and a Quest Lite User Manual. Only complete bid packages will be issued.

APPENDICES DESCRIPTION (IF APPLICABLE):

The Contractor shall be aware that the right of occupancy and/or use for Assessor's Plat 2942 in the City of Pawtucket, Plat 2943 in the City of Central Falls, and Plat 2944 in Town of Cumberland have not yet been obtained. These parcels are affected by two-hundred twenty-four (224) temporary easements and are located along Broad Street at the intersections of Exchange Street and Goff Street in Pawtucket through the intersection of Mendon Road in Cumberland. The contract will not be awarded and notice to proceed issued until the Department has full legal access to areas needed for construction. Arrangements have been made to have all Right-of-Way (ROW) physically available on or before December 31, 2019.

Prospective Bidders are hereby notified that all questions pertaining to this Contract must be submitted to the Department of Transportation in writing through its website at <http://www.dot.ri.gov/contracting/bids/> by accessing the Questions & Answers Menu located within the "Contracting", then "Contract Opportunities" link. Responses to the submitted questions will also be posted under this link. PHONE CALLS WILL NOT BE ACCEPTED.

For help with RIDOT's Quest Lite bid preparation software, please contact the Contracts & Specifications Office, Room 108, Two Capitol Hill, Providence, Rhode Island, 02903, Tel. Number (401)-222-2495 or e-mail Quest@dot.ri.gov.

UNDERSIGNED BIDDER INFORMATION STATEMENT:

The undersigned bidder further agrees, if awarded the contract on this proposal, to begin work within ten (10) calendar days after the date of execution of the contract unless otherwise specified under special provisions or permitted by the Engineer, and further agrees to complete the work on or before the dates outlined in the Contract Documents.

PRE-BID INFORMATION:

PRE-BID DATE:

PRE-BID TIME: 9:00 AM

PRE-BID PLACE: The RIDOT Traffic Management Center Conference Room

BID OPENING INFORMATION:

BID OPENING DATE: October 15, 2019

BID OPENING TIME: 1:00 PM

COMPLETION DATE(S)

DESCRIPTION	DATE
Advertise Date	August 30, 2019
Bid-Opening Date	October 15, 2019
Substantial Completion Date	December 1, 2022

Contract Summary

<u>ADDENDA</u>	<u>DATE POSTED</u>
NO.1	September 17, 2019

**GENERAL PROVISIONS – CONTRACT SPECIFIC
SUPPLEMENTAL SECTION – MENDON ROAD DRAINAGE**

The following relates only to the Mendon Road Drainage Work associated with Volume 3 of the Plans. All work on Broad Street shown in Volume 1 and 2 of the Plans shall adhere to the General Provisions – Contract Specific. The General Provisions – Contract Specific shall take precedent over this supplemental section.

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SUPPLEMENTAL APPENDIX A – TRANSPORTATION MANAGEMENT PLAN FOR MENDON ROAD DRAINAGE

1. BRIEF SCOPE OF WORK:

Rhode Island Contract No. 2019-CH-026, Federal Aid Project No. STP-0114(026), No. STPG-HSIP(068), REV-MEND(001), and 3RD-PRTY(254), is for Repairs to Mendon Road Manholes and Catch Basins from and Ann and Hope Way to Route 99; in the Town of Cumberland, in the County of Providence. The work shall include, but is not limited to, resetting selected depressed castings to grade including new or reset brick/block leveling courses, corbel repair, excavation, back fill with controlled low strength material (CLSM) non-excavatable flowable type III, remove and dispose pavement, 4"-8" Class 9.5 HMA in 2" lifts to grade around the castings; inlet chute repairs, precast gutter inlets, removing and disposing of gutter inlets, and minor curb and sidewalk repairs associated with depressed gutter and curb drainage inlets, resetting frame and grates or covers, new frame and covers or grates, reset or replace apron or inlet stones, pavement repair, adjust or rebuild select Cumberland sanitary sewer manholes to grade, new sanitary sewer manhole covers, maintenance and movement of traffic, and all incidentals, complete in place and accepted, as necessary to complete the work of this contract to the satisfaction of the Engineer.

2. UTILITY AND MUNICIPAL NOTIFICATION AND COORDINATION:

The contractor shall schedule his construction to allow for a coordinated construction effort. Upon award, the contractor shall notify all utility companies and municipalities of the anticipated roadway construction start date. Work in Cumberland may affect Cumberland, Lincoln, and Woonsocket fire departments and ambulance service in mutual aid situations and rescue runs.

The applicable utility/municipality representatives are as follows:

<u>Agency</u>	<u>Contact Person</u>	<u>Telephone</u>
RIDOT Chief Engineer	Robert Rocchio, P.E.	222-2481 Ext. 4411
R.I. State Police		444-1000
Verizon	Peter DeCosta	727-9511
Cox Communications	David Velilla	615-1284
National Grid Electric	Thomas Capobianco	784-7248
Town of Cumberland	Robert A. Anderson, Jr., PE Director of Public Works	728-2400, Ext. 143
Sewer Superintendent	David Carr	728-2400 ext 122
Cumberland Fire Department	Kenneth Finlay	333-4311/658-0544

Woonsocket Fire Department	Paul Shatraw	765-2500
Lincoln Fire Department (Albion)	Richard Andrews	333-1242

The contractor shall check and verify the location of all existing utilities both underground and overhead in accordance with the “Dig Safe Program Law” enacted by Rhode Island Legislation Bill No. 79S-291, which became effective July 1, 1979. It is the contractor’s responsibility to ensure that all utility companies have been notified and all utilities have been marked prior to commencing their work. Any damage to existing utilities shall be replaced or repaired to the satisfaction of the engineer at no additional cost to the State.

3. SPECIALTY ITEMS

There are no specialty items for the work proposed as part of the Mendon Road drainage improvements.

4. SEQUENCE OF CONSTRUCTION

- A. The contractor shall develop an orderly sequence of construction and time schedule for all work to be performed under this contract in accordance with Section 108.03 of the R.I. Standard Specification for Road and Bridge Construction. Any deviations from the requirements stated here or detailed in the plans, as well as any deviations from the approved construction work sequence and time schedule, must be submitted to the Engineer in writing for approval.
- B. Contract Submittal List (CSL) The contractor shall only work on the structures that can be fully completed by the end of the work week. Fully completed includes final pavement around the completed rebuilt casting.
- C. If the contract is extended beyond the specified completion date, a similar work schedule will be established by the contractor and approved by the Engineer.
- D. All work shall be completed in accordance with the Traffic related work restrictions indicated in the Transportation Management Plan.
- E. **Two lane Roadway** - The Contractor shall be required to maintain a minimum of one full travel lane (11 feet minimum) of alternating traffic at all times during night time working hours with flagpersons actively engaged in directing traffic. During non-working hours (including daytimes, evenings, nights, weekends, and holidays) the contractor must maintain all lanes of travel open to traffic. The contractor, at his own expense, shall provide safe access and egress to all side streets and all residential and commercial driveways. The safe access and egress must be maintained at all times.
- F. Night time work shall be allowed. The cost of the work zone lighting required for nighttime operations shall be incidental to the contract in accordance to Section T.22 Lighting for

- G. Night Work Operations of the Standard Specifications. No separate payment will be made for lighting of the work zone during any nighttime operation.
- H. The Contractor shall coordinate with the Rhode Island Public Transportation Authority (RIPTA) to ensure that RIPTA bus routes remain operational at all times.
- I. The Contractor must schedule sidewalk construction activities such that no areas are left without paved sidewalks for more than five (5) consecutive calendar days, the intent being that once the Contractor commences the removal of existing sidewalks, he must install new sidewalks at that particular location within five (5) calendar days.
- J. The Contractor shall be responsible for maintaining all roadways free from debris resulting from their construction activities. The Contractor shall clean and sweep the roadways at intervals as required, and/or as determined by the Engineer to maintain the roadway in an acceptable condition. The cost associated with complying with this provision shall be considered incidental to the contract.
- K. Manholes or Catch Basins shall not be left uncovered at the end of each workday unless plated over with steel no less than 1" thick and approved by the Engineer.
- L. Temporary patch material shall be used as a temporary riding surface adjacent to the drainage or sewer structures until final paving work has been performed.
- M. The contractor shall use signs, cones or barrels to warn motorists of any uneven pavement.

5. SPECIAL REQUIREMENTS FOR TRAFFIC PROTECTION

In addition to the requirements of the Standard Specifications for Road and Bridge Construction and the special requirements of other sections of this contract document, the following requirements shall be undertaken by the Contractor.

1. The Contractor shall be required to install and maintain proper waning and construction signing and protective devices at each work location in conformance with the Maintenance and Protection of Traffic Plans and the TMP. The contractor is advised that the signs and other traffic control devices shown on the plans are minimum requirements, and it is the Contractor's responsibility to supplement these as necessary in conformance with the "Manual on Uniform Traffic Control Devices, 2009, including all revisions. The Contractor shall be responsible for maintaining appropriate construction signs at all times. Any signs not appropriate for the work shall be removed or covered to the satisfaction of the Engineer.
2. The Contractor shall utilize R.I. Standard 26.1.0 cones when the with traffic control set-up is utilized only during working hours and is subsequently broken down at the end of the workday. The Contractor shall utilize R.I. Standard 26.2.0 barrels when traffic control set ups are to remain in place beyond normal working hours and when workers are not present.

3. Barrels shall be used to mark utility adjustments prior to paving. Barrels shall not be used for more than one (1) day before placement of temporary patch material.

6. DRAINAGE STRUCTURES

Any damage to existing structures caused by the contractor shall be replaced or repaired to the satisfaction of the Engineer at no additional cost to the state. The Contractor shall make every effort to avoid debris from falling into catch basins or sewer structures. Should debris fall inside a structure, it shall be removed immediately.

No drainage grate, inlet or apron stone shall be blocked by the temporary patch material or final pavement.

This task shall be considered as incidental to the paving operations and there shall be no separate payment for this item.

7. MAINTENANCE OF PUBLIC ACCESS

- a) The Contractor, at his own expense, shall keep the streets, highways, roads, private walks, and sidewalks in which he may work, open for pedestrian and vehicular traffic at all times unless otherwise authorized by the Engineer in writing. There shall be no street detours allowed on this project. The Contractor shall conduct his work for this project in such a manner as the Engineer may direct from time to time. Access along accessible routes shall not be closed unless temporary pedestrian access routes are provided. A sufficient number of flaggers shall be present at all times to direct pedestrian and vehicular traffic through an active work zone.

8. STORAGE OF CONSTRUCTION MATERIAL AND/OR EQUIPMENT

1. Roads without Curbing and Sidewalks

Storage of construction material and/or equipment within the road “clear zone”, as described below, will require prior written approval of the Engineer. Any material stored in the “clear zone” shall be used or moved within 14 days. Furthermore, no overnight storage of construction equipment within the “clear zone” will be allowed.

<u>Posted Speed</u>	<u>Distance from Edge of Travel Lane</u>
39 MPH or Less	12 feet
40 – 45 MPH	16 feet
50 MPH	20 feet
55 MPH	30 feet

Any area of the “clear zone” that is used for storage of construction materials shall be clearly delineated with appropriate traffic control devices. The contractor is responsible for securing an overnight construction equipment storage site. If state land, suitable for this purpose, is available the contractor may request such use from the Engineer. If approved, the contractor shall restore the land used to the satisfaction of the Engineer.

2. Roads with Curbing and Sidewalks. No portion of the shoulders, sidewalks, or tree drip line may be used for storage of construction equipment and/or material.

9. TRAFFIC IN WORK ZONES

The TRAFFIC FINES in Work Zone Regulatory Sign (R.I. Std. 27.1.1) shall be utilized wherever construction activities are in process and construction personnel are present. When work is not in progress, these signs shall either be removed from the site or covered at all other times

10. SPECIAL NOTICE TO THE CONTRACTOR

Any questions on Cumberland's sanitary sewers should be directed to Sewer Superintendent, David Carr, 728-2400 ext 122.

11. PRE-BID CONFERENCE

There will be no pre-bid conference for this project.

12. ENVIRONMENTAL PERMITS

There are no permits for this project. Work shall adhere to all requirements in the SESC.

13. COORDINATION WITH THE COMMUNICATIONS OFFICE OF RHODE ISLAND DEPARTMENT OF TRANSPORTATION

It shall be the Contractor's responsibility to give work schedules and daily progress updates to the Resident Engineer in order to update the RIDOT Communication Office.

14. TRANSPORTATION MANAGEMENT PLAN

Included in the appendix to these Supplemental Contract Specific General Provisions is the Transportation Management Plan (TMP) for this project. The TMP lays out the set of coordinated transportation management strategies that will be used to manage the work zone safety and mobility impacts on this project. In the event of a discrepancy between the information in the TMP and information elsewhere in the Contract Documents, the former shall govern.

The contractor's attention is called to the Standard Specifications for Road & Bridge Construction, Amended March 2018, Section 103.02, Post Qualification Requirements and Award of Contract, which describes the requirements for the contract's designation of the TMP Implementation Manager for the Contract.

The Contractor's attention is called to the Standard Specifications for Road & Bridge Construction, Amended March 2018, section 105.21 Work Zone Training, which describe the requirements for the training of all Contractor and Subcontractor personnel involved in work zone design, implementation, operation, inspection, management, and/or enforcement.

The Department's latest Training Guidelines for Personnel Responsible for Work Zone Safety and Mobility are available under the "Training" section at the following web site:

<http://www.dot.ri.gov/documents/doingbusiness/TrainingGuide1inesWZSM.pdf>

Supplemental Appendix A
Transportation Management Plan



**LEVEL 3
TRANSPORTATION
MANAGEMENT
PLAN**

Project Name: **Repairs to Mendon Road Manholes and Catch Basins**

RI Design Contract No(s): **2006-SH-004**

RI Construction Contract No(s): **2018-CH-045**

Submission: **FINAL**

Date: **March 6, 2019**

PROJECT INFORMATION

Brief Project Description: R.I Contract No. 2018-CH-045, R.I Project Nos. 405-421-956 and 3rd-PRTY-254 are for Repairs to Mendon Road Manholes and Catch Basins. The work shall include, but is not limited to, resetting selected depressed castings to grade including new or reset brick/block leveling courses, corbel repair, excavation, back fill with controlled low strength material (CLSM) non-excavatable flowable type III, 4" Class 9.5 HMA in 2" lifts to grade around the castings; inlet chute repairs, and minor curb and sidewalk repairs associated with depressed gutter and curb drainage inlets, resetting frame and grates or covers, new frame and covers or grates, reset or replace apron or inlet stones, pavement repair, adjust or rebuild select Cumberland sanitary sewer manholes to grade, new sanitary sewer manhole covers, maintenance and movement of traffic, and all incidentals, complete in place and accepted, as necessary to complete the work of this contract to the satisfaction of the Engineer.

Work Limits: The project limits are from and Ann and Hope Way to Route 99, Cumberland.

ROADWAYS DIRECTLY AFFECTED BY PROJECT WORK ZONES

ROADWAY NAME	FROM	TO	LENGTH
Mendon Road & Side Streets	Ann and Hope Way	Route 99	6 miles
Broad Street	100' west into intersection		100'

General Project Schedule*: The work is expected to begin May, 2019 and is expected to be complete by November 15, 2019

*The information in this section is not intended to and shall not supersede the official schedule for the project.

TRAFFIC-RELATED WORK RESTRICTIONS

General Restrictions: See Attachment - General Restrictions

Holiday Restrictions: No lane and/or shoulder closures allowed after 1:00 PM on the Friday preceding a holiday weekend.

EASTER SUNDAY

No lane and/or shoulder closures allowed on Saturday.
No lane and/or shoulder closures allowed on Sunday.*

NEW YEAR'S DAY, VETERAN'S DAY, INDEPENDENCE DAY & CHRISTMAS DAY

No lane and/or shoulder closures allowed after 1:00 PM on the day before the holiday.
No lane and/or shoulder closures allowed on the holiday.

DR. MARTIN LUTHER KING JR. DAY, MEMORIAL DAY, VICTORY DAY, LABOR DAY, & COLUMBUS DAY

No lane and/or shoulder closures allowed on Saturday and Sunday.
No lane and/or shoulder closures allowed on Monday.*

THANKSGIVING DAY

No lane and/or shoulder closures allowed after 1:00 PM on the Wednesday preceding Thanksgiving Day.
No lane and/or shoulder closures allowed on Thanksgiving Day.
No lane and/or shoulder closures allowed on Friday and Saturday.
No lane and/or shoulder closures allowed on Sunday.*

TEMPORARY TRAFFIC CONTROL PLANS

These RIDOT- and/or Designer-Developed TTC Plans will be used during the work on this project

RIDOT TYPICAL TTC PLANS	Included in:		DESIGNER-DEVELOPED TTC PLANS	Included in:	
	TMP	Plan Set		TMP	Plan Set
<input type="checkbox"/> Mobile Operation	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Work Beyond the Shoulder	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Shoulder Closure - Two Lane Road	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Shoulder Closure - Limited Access	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> 1-Side Lane Shift - Two Lane Road	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 2-Side Lane Shift - Two Lane Road	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Lane Shift - Limited Access	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Lane Closure - Two Lane Road	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/> Lane Closure - Four Lane Road	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Lane Closure - Limited Access	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Double Lane Closure - Limited Access	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>

PUBLIC INFORMATION PLAN

These strategies will be used to provide information concerning the project to road users and the community

SELECTED STRATEGIES	RESPONSIBILITIES / REQUIREMENTS / SPECIAL CONSIDERATIONS
RIDOT travel advisories news releases	RIDOT TMP Imp. Mngr. to send CMG Restriction Form to Communications min. 48 hours in advance of restriction.
RIDOT travel advisories web site	RIDOT TMP Imp. Mngr. to send CMG Restriction Form to Communications min. 48 hours in advance of restriction.
RIDOT 511 traveler information system	RIDOT TMP Imp. Mngr. to send CMG Restriction Form to TMC min. 48 hours in advance of restriction.
Highway advisory radio (HAR)	Permanent (existing) RIDOT HAR systems to be updated by RIDOT TMC as applicable based on submitted CMG Restriction Form .
Paid advertisements	RIDOT to prepare advertisements, e.g. newspaper, radio, TV, as necessary to inform the public.
Other press releases/media alerts	RIDOT to use social media to inform the public of the location of work.

TRANSPORTATION OPERATIONS PLAN

These strategies will be used to provide improved transportation operations/safety within project work zones

SELECTED STRATEGIES	RESPONSIBILITIES / REQUIREMENTS / SPECIAL CONSIDERATIONS

PERFORMANCE MONITORING, CHANGES TO TMP, & CONTINGENCIES

The Contractor's **TMP Implementation Manager (if identified below)** is responsible for keeping the portion of the project being used by public traffic in a condition that (1) safely and adequately accomodates such traffic and (2) is in accordance with the Traffic-Related Work Restrictions, the Temporary Traffic Control Plans, and where appropriate, the other transportation management strategies identified above. The **RIDOT TMP Implementation Manager** should inspect the project work zones at initial setup, at the start of each subsequent work day, and just prior to extended breaks in the work (e.g., weekends) for conformance with the Temporary Traffic Control Plans, the ATSSA Quality Guidelines for Work Zone Traffic Control Devices, and where applicable, the other transportation management strategies identified above. He/she should also document work zone-related feedback and/or legitimate complaints that are received from the public through phone calls, in person, in writing, or by electronic mail.

If at any time (1) a significant deviation from any of the strategies included in the TMP (e.g., the use of an alternate construction sequence) is desired by one or more members of the project implementation team, (2) field observations and/or data suggest that impacts to road users are or will be unacceptable, or (3) one or more performance requirements established in the TMP are not being met in the field, the RIDOT TMP Implementation Manager shall report the situation to his/her supervisor or Division/Section/Unit manager. The supervisor / manager will coordinate with the State Traffic Engineer, the Project Manager Chief, the TMP Implementation Manager(s), the Chief Engineer, and/or other interested parties as appropriate and/or necessary to consider and determine whether revised and/or alternate strategies should be implemented in an effort to lessen the adverse safety and/or mobility impacts of the project. If the supervisor / manager deems that strategy changes should be implemented, the changes shall be documented in a revised version of the TMP and the Project Management Chief, the State Traffic Engineer, and the Chief Engineer must approve of the revised TMP prior to their implementation.

If a significant deviation from any of the strategies included in the TMP is requested by the Contractor, unless directed otherwise by the RIDOT the Contractor is responsible for preparing and submitting to the RIDOT TMP Implementation Manager appropriate documentation (e.g., design calculations, analysis reports, Temporary Traffic Control Plans, etc.) showing that the requested change(s) are (1) feasible and (2) expected to result in safety and mobility impacts that are no more adverse than the impacts resulting from the strategies already included in the latest approved TMP. The RIDOT will review and consider the submittal(s) as described in the preceding paragraph and will determine whether the changes should be implemented. If the requested changes are approved by the RIDOT, unless otherwise directed by the RIDOT the Contractor shall prepare and submit to the RIDOT TMP Implementation Manager a revised version of the latest approved TMP in both printed and electronic (Microsoft® Excel) format that documents all of the approved changes. Work to implement the changes shall not begin until the Project Management Chief, the State Traffic Engineer, and the Chief Engineer have approved of the revised TMP.

When unexpected events (e.g., crashes, inclement weather, unforeseen traffic demands, etc.) occur in a project work zone where one or more lanes are closed, the RIDOT TMP Implementation Manager or his/her responsible designee should (1) determine whether or not the lane closure(s) can/should be removed in order to improve traffic operations and/or minimize delays and (2) if deemed appropriate, take action to remove the lane closure(s).

Other Requirements:

TMP APPROVALS

All approvals must be obtained prior to start of work.

PROJECT MANAGEMENT CHIEF		
Signature:		
	David W. Fish, P.E.	
Date:	3-14-19	

STATE TRAFFIC ENGINEER		
Signature:		
	Steve Pristawa, P.E.	
Date:	3-11-19	

CHIEF ENGINEER		
Signature:		
	Robert Rocchio, P.E.	
Date:	3-15-19	

Revision #	Initials	Date

Revision #	Initials	Date

Revision #	Initials	Date

TMP IMPLEMENTATION MANAGERS

Project managers with the primary responsibility & authority for implementation of this TMP

RIDOT	
Name:	
Title:	
Unit:	
Office Phone:	
Mobile Phone:	
E-Mail:	

CONTRACTOR (if contract work)	
Name:	
Title:	
Company/Unit:	
Office Phone:	
Mobile Phone:	
E-Mail:	

Attachment - General Restrictions
Attachment to Level 3 TMP for RI Construction No. 2018-CH-045, Repairs to Mendon Road Manholes and Catch Basins

Location	MINIMUM NUMBER OF LANES & SHOULDERS TO REMAIN OPEN TO TRAFFIC ^{1,2,3,4}								
	From	To	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Sewer Manhole Structures lane section	0:00:00	6:00:00	ALL	1 L (alt)	1 L (alt)	1 L (alt)	1 L (alt)	1 L (alt)	ALL
	6:00:00	9:00:00	ALL	ALL	ALL	ALL	ALL	ALL	ALL
	6:00:00	19:00:00	ALL	ALL	ALL	ALL	ALL	ALL	ALL
	19:00:00	24:00:00	1 L (alt)	1 L (alt)	1 L (alt)	1 L (alt)	1 L (alt)	ALL	ALL

Location	From	To	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	Mendon Road and Side Streets lane section	0:00:00	6:00:00	ALL	1 L (alt)	1 L (alt)	1 L (alt)	1 L (alt)	1 L (alt)
6:00:00		9:00:00	ALL	ALL	ALL	ALL	ALL	ALL	ALL
6:00:00		19:00:00	ALL	ALL	ALL	ALL	ALL	ALL	ALL
19:00:00		24:00:00	1 L (alt)	1 L (alt)	1 L (alt)	1 L (alt)	1 L (alt)	ALL	ALL

Location	From	To	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	Mendon Road and Side Streets lane section	0:00:00	6:00:00	ALL	1 L	1 L	1 L	1 L	1 L
6:00:00		9:00:00	ALL	ALL	ALL	ALL	ALL	ALL	ALL
9:00:00		14:00:00	ALL	1 L	1 L	1 L	1 L	1 L	ALL
14:00:00		19:00:00	ALL	ALL	ALL	ALL	ALL	ALL	ALL
	19:00:00	24:00:00	1 L	1 L	1 L	1 L	1 L	ALL	ALL

LEGEND

ALL All travel lanes and shoulders shall remain open to traffic.

1 L A minimum of one 11-foot wide travel lane in each direction shall remain open to traffic.

1 L (alt) A minimum of one 11-foot wide travel lane shall remain open to alternating traffic.

NOTES

- 1 The set-up and break-down of temporary traffic control devices within a traveled way shall be construed as a closure of that traveled way.
- 2 The provisions noted herein shall not free the Contractor from his responsibility to conduct all work in such a manner that assures the least possible obstruction to traffic.
- 3 Access must be maintained to all driveways at all times.
- 4 Parking does not need to remain open within areas of road or lane closures.

POST-CONSTRUCTION WORK ZONE PERFORMANCE ASSESSMENT

This assessment shall be completed by the RIDOT TMP Implementation Manager upon completion of the work to document lessons learned and provide recommendations on how to improve the TMP process and/or modify guidelines. The responses should allow the reviewer of this completed Assessment to understand the successes/failures of the project TMP itself and its requirements.

Describe Areas of the TMP that were Most Successfully Implemented & Why

Describe Areas of the TMP that were Least Successfully Implemented & Why

Summarize/Describe all Changes Necessary to Correct Oversight of the Original TMP

Summarize the Effectiveness of Each Change Made to the TMP

Summarize the Type and Frequency of Legitimate Complaints Received

Describe/Summarize Road User Mobility Impacts Observed During Work

[Empty yellow box for describing road user mobility impacts]

Describe/Summarize Crashes and Incidents that Occurred During the Work

[Empty yellow box for describing crashes and incidents]

Describe/Summarize Road Safety Impacts Observed During Work

[Empty yellow box for describing road safety impacts]

Suggested TMP Improvements or Changes for Future Similar Projects

[Empty yellow box for suggested improvements]

This completed assessment shall be forwarded to the Chief Engineer following approval below.

RIDOT TMP Implementation Manager Approval

Name: _____

Title: _____

Unit: _____

Signature: _____

Date: _____

Item	SPECIAL PROVISION INDEX Description	Page
T11.9906	20 Foot Standard Load Steel Traffic Signal Mast Arm, Pole and Foundation Standard 19.2.0 (Modified IV)	JS-53
T11.9907	20 Foot Standard Load Steel Traffic Signal Mast Arm, Pole and Foundation Standard 19.2.0 (Modified V)	
T11.9908	20 Foot Standard Load Steel Traffic Signal Mast Arm, Pole and Foundation Standard 19.2.0 (Modified VI)	
T11.9909	25 Foot Standard Load Steel Traffic Signal Mast Arm, Pole and Foundation Standard 19.2.0 (Modified I)	
T11.9910	30 Foot Standard Load Steel Traffic Signal Mast Arm, Pole and Foundation Standard 19.2.0 (Modified I)	
T11.9911	45 Foot Standard Load Steel Traffic Signal Mast Arm, Pole and Foundation Standard 19.2.0 (Modified I)	
T11.9912	Traffic Signal Standard, 4 Foot-4 Inch, Std. 19.4.0 Aluminum Pedestal Pole and Foundation	JS-55
T11.9913	Traffic Signal Standard, 18 Foot, Std. 19.4.0 Aluminum Pedestal Pole and Foundation	
T12.9901	Modify Existing Traffic Signal Controller Cabinet	JS-56
T12.9904	GPS Time Synchronization Unit	JS-57
T13.1000	Traffic Detectors and Relays	JS-58
T14.9901	1 Way Pedestal Mounted LED Pedestrian Signal Head with Countdown Timer 12 Inch	JS-59
T14.9902	2 Way Pedestal Mounted LED Pedestrian Signal Head with Countdown Timer 12 Inch	
T14.9903	1 Way Bracket Mounted LED Pedestrian Signal Head with Countdown Timer 12 Inch	
T15.9901	Remove and Reset Sign and Post	JS-61
T20.9901	24 Inch Epoxy Resin Pavement Markings Green	JS-62
T20.9902	Epoxy Resin Pavement Marking – Bicycle Lane, Green	
T20.9903	Epoxy Resin Pavement Marking – Bicycle Turn Box	
410.9901	Sewer Manhole Pavement Patch (SMPP)	JS-63
702.9903	Cumberland Sewer Frame and Cover (CFC)	JS-64
704.9901	Reconstruct Catch Basin Type F	JS-65
704.9902	Reconstruct Catch Basin with Gutter Inlet (RCBGI)	
704.9903	Reconstruct Double Catch Basin (RDCB)	
704.9904	Reconstruct Manhole	
704.9905	Reconstruct Gutter Inlet	
704.9906	Reconstruct Catch Basin (RDCB-T)	
704.9909	Reconstruct Catch Basin with Double Gutter Inlet (RCDGI)	
704.9907	Reconstruct Sanitary Sewer Manholes	
704.9908	Reconstruct Catch Basin with Double Inlet to Single Gutter Inlet (RCBGI-DS)	JS-67
707.9902	Adjust Sanitary Manhole (ASMH)	JS-69
905.1000	Sidewalks	JS-71
		JS-72

CODE 410.9901
SEWER MANHOLE PAVEMENT PATCH (SMPP)

This job specific specification for this item of work shall follow the standard specification described in **Sections 410** of the RIDOT Standard Specifications for Road and Bridge Construction, Amended 2018, with all revisions, except as modified herein:

CONSTRUCTION METHODS: Repair shall consist of having the existing pavement neatly cut on all sides of the sewer structure and the existing pavement removed as shown on the Plans. The existing gravel and new gravel borrow used for leveling shall be compacted to the required density and the subgrade left free of loose asphalt, debris, and excess moisture. Class 9.5 HMA for Miscellaneous work shall be placed in properly compacted 2-inch lifts as detailed on the Plans. When completed, the patch shall be aligned and matched to the grade of the abutting pavement surface.

METHODS OF MEASUREMENTS: “Sewer Manhole Pavement Patch” will be measured by “Each” structure actually paved in accordance with the Plans and/or as directed by the Engineer.

BASIS OF PAYMENT: The accepted quantity of “Sewer Manhole Pavement Patch” will be paid for at the contract unit price per “Each” structure as listed in the Proposal. The price so-stated constitutes full and complete compensation for all labor, materials and equipment for full depth sawcut, remove and dispose bituminous pavement, gravel borrow for leveling, compaction, trim and fine grade, tack coat, 8” of Class 9.5 HMA for Miscellaneous Work, the legal disposal of all surplus excavation and/or unsuitable materials, and for all other incidentals required to finish the work, complete and accepted by the Engineer.

CODE 702.9903
CUMBERLAND SANITARY SEWER FRAME AND COVER (CFC)

This job specific specification for this item of work shall follow the standard specification described in **Sections 702 – Manholes, Inlets, and Catch Basins**, of the RIDOT Standard Specifications for Road and Bridge Construction, Amended 2018, with all revisions, except as modified herein:

702.05.2 BASIS OF PAYMENTS: The Town of Cumberland will supply new sanitary sewer frames and covers for adjusted or rebuilt sewer manholes as indicated on the plans. The accepted quantities of “Cumberland Sanitary Sewer Frame and Cover” of the various types and sizes will be paid for at the respective contract unit prices per each. The price so-stated constitutes full and complete compensation for all labor, materials and equipment for pick up, and handling, of the town provided frame and cover, and the removal, stockpiling of the unserviceable sanitary sewer frame and cover, and all other incidentals required to finish the work, complete and accepted by the Engineer. 24” and 36” Cumberland sanitary sewer frames and covers are located at the Cumberland DPW. The contractor shall remove and deliver the old sanitary sewer frames and covers to the Cumberland DPW at 37 Blackstone Street. Superintendent David Carr can be contacted at 401-728-2400 ext 122.

The installation of the “Cumberland Sanitary Sewer Frame and Cover” is included in the items for 704.9907 and 707.9902.

**CODE 704.9901
RECONSTRUCT CATCH BASIN TYPE F**

**CODE 704.9902
RECONSTRUCT CATCH BASIN WITH GUTTER INLET (RCBGI)**

**CODE 704.9903
RECONSTRUCT DOUBLE CATCH BASIN (RDCB)**

**CODE 704.9904
RECONSTRUCT MANHOLE**

**CODE 704.9905
RECONSTRUCT GUTTER INLET**

**CODE 704.9906
RECONSTRUCT DOUBLE CATCH BASIN-T (RDCB-T)**

**CODE 704.9909
RECONSTRUCT CATCH BASIN WITH DOUBLE GUTTER INLET (RCDGI)**

DESCRIPTION: This work consists of reconstructing gutter inlets, catch basins, and manholes in accordance with details and at the locations indicated on the Plans and/or as directed by the Engineer, all in accordance with **Section 704** of the RIDOT Standard Specifications for Road and Bridge Construction, Amended 2018, with all revisions.

MATERIALS: All material used shall conform to **Subsection 603 and 704.02** of the RIDOT Standard Specifications for Road and Bridge Construction, Amended 2018, with all revisions.

M.04.03.5 Mortar. Mortar shall be a bagged Type M cement mortar and be submitted to the Engineer for approval before use. The mortar shall conform to the requirements of ASTM C270 and ASTM C1329. Mortar sand shall conform to the requirements of AASHTO M45. Mortar shall be used within 45 minutes after its preparation. For construction and reconstruction of brick masonry corbels, excess mortar batched for a corbel and not used shall be discarded. It shall not be used for subsequent corbels or other work on the project.

CONSTRUCTION METHODS: Reconstruction of the drainage structures shall commence in accordance with the details on the Plans or as directed by the Engineer. Construction methods to be employed in this effort shall conform to the applicable requirements as set forth in Subsections 702.03 and 932 of these specifications.

Castings shall be set/reset to align and match to the grade of the abutting pavement surface. Placement of the temporary patch material shall be placed in lieu of a 1" steel plate at the end of the work day and prior to final paving. Prior to the end of the work week, the final pavement for those structures reconstructed shall be placed.

702.03.1 g. Backfill. After reconstruction of the drainage structure has been completed to its respective full height, the excavation area shall be backfilled using Control Low Strength Material (CLSM) Non-excavatable Type III in accordance with Section 603 to allow for the setting of the casting, installation of the concrete collar and final pavement to match the existing pavement grades, cross slope and running grades.

METHODS OF MEASUREMENTS: “Reconstruct Catch Basin Type F”, “Reconstruct Catch Basin with Gutter Inlet”, “Reconstruct Double Catch Basin”, “Reconstruct Manhole”, and “Reconstruct Gutter Inlet”, “Reconstruct Double Catch Basin-T”, and “Reconstruct Catch Basin with Double Gutter Inlet” will be measured by “Each” drainage structure actually reconstructed in accordance with the Plans and/or as directed by the Engineer.

BASIS OF PAYMENTS: “Reconstruct Catch Basin Type F”, “Reconstruct Catch Basin with Gutter Inlet”, “Reconstruct Double Catch Basin”, “Reconstruct Manhole”, and “Reconstruct Gutter Inlet”, “Reconstruct Double Catch Basin-T”, and “Reconstruct Catch Basin with Double Gutter Inlet” will be paid for at the contract unit price per “Each”, as listed in the Proposal. The price so-stated constitutes full and complete compensation for all labor, materials and equipment for reconstructing drainage structures including excavation, removing, stockpiling, and setting and/or resetting castings, full depth sawcut, remove and dispose bituminous pavement, 4” of Class 9.5 HMA for Miscellaneous Work, resetting apron stone or inlet stone, rebuilding corbel and/or walls to a maximum depth of 2.5 feet, placement and removal of temporary patch, placing CLSM non excavatable type III as backfill (pay to a neat line) from bottom of excavation to concrete collar, installing Class XX concrete collar, parging with ½ inch thick cement mortar coating on both the newly reconstruction inside and outside (exposed) wall surfaces (except for precast structures), inspecting and cleaning the drainage structures before and after reconstruction, the legal disposal of all surplus excavation and/or unsuitable materials, and for all other incidentals required to finish the work, complete and accepted by the Engineer. New precast gutter inlets maybe substituted in lieu of reconstructing existing ones.

The following items of work shall be paid for separately: “Remove and Dispose apron or inlet Granite or Concrete Curb”, “Remove and Dispose Frame and Cover”, “Remove and Dispose Frame and Grate”, new “Precast Concrete Inlet Stone”, new “Precast Concrete Apron Stone”, new “High Capacity Frame and Grate”, new “Frame and Grate, new “Concrete Curb”, new “Cement/Bituminous Concrete Sidewalk”.

CODE 704.9907
RECONSTRUCT SANITARY SEWER MANHOLE

DESCRIPTION: This work consists of reconstructing sanitary sewer manholes in accordance with details and at the locations indicated on the Plans and/or as directed by the Engineer, all in accordance with **Section 704** of the RIDOT Standard Specifications for Road and Bridge Construction, Amended 2018, with all revisions.

MATERIALS: All material used shall conform to **Subsection 704.02** of the RIDOT Standard Specifications for Road and Bridge Construction, Amended 2018, with all revisions.

M.04.03.5 Mortar. Mortar shall be a bagged Type M cement mortar and be submitted to the Engineer for approval before use. The mortar shall conform to the requirements of ASTM C270 and ASTM C1329. Mortar sand shall conform to the requirements of AASHTO M45. Mortar shall be used within 45 minutes after its preparation. For construction and reconstruction of brick masonry corbels, excess mortar batched for a corbel and not used shall be discarded. It shall not be used for subsequent corbels or other work on the project.

CONSTRUCTION METHODS: Reconstruction of the sewer structures shall commence in accordance with the details on the Plans or as directed by the Engineer. Construction methods to be employed in this effort shall conform to the applicable requirements as set forth in Subsections 702.03, 704.03, and 932 of the RIDOT Standard Specifications for Road and Bridge Construction, Amended 2018, with all revisions.

Castings shall be set/reset to align and match to the grade of the abutting pavement surface. Placement of temporary patch material shall be placed in lieu of a 1" steel plate at the end of the work day and prior to the final pavement. Prior to the end of the work week, the final pavement for those reconstructed structures shall be placed.

702.03.1 g. Backfill. After reconstruction of the structure has been completed to its respective full height, the excavation area shall be backfilled using Control Low Strength Material (CLSM) Non-excavatable Type III in accordance with Section 603 allow for the setting of the casting, installation of the concrete collar and final pavement to match the existing pavement grades, cross slope and running grades.

METHODS OF MEASUREMENTS: "Reconstruct Sanitary Sewer Manhole" will be measured by "Each" structure actually reconstructed in accordance with the Plans and/or as directed by the Engineer.

BASIS OF PAYMENTS: "Reconstruct Sanitary Sewer Manhole" will be paid for at the contract unit price per "Each", as listed in the Proposal. The price so-stated constitutes full and complete compensation for all labor, materials and equipment for reconstructing sanitary sewer structures including excavation, removing, stockpiling, setting and resetting of new or existing castings, full depth sawcut, remove and dispose bituminous pavement, 4" of Class 9.5 HMA for Miscellaneous Work, rebuilding corbel and/or walls to a maximum depth of 2.5 feet, placing CLSM non excavatable type III as backfill (pay to a neat line), placement and removal of temporary patch material, installing Class XX concrete collar, parging with ½-inch thick cement mortar coating on both the inside and exposed outside of newly reconstructed wall surfaces (except for precast structures), the legal disposal of all surplus

excavation and/or unsuitable materials, and for all other incidentals required to finish the work, complete and accepted by the Engineer.

Pick up and handling of the town provided “Cumberland Sanitary Sewer Frame and Cover” will not be included in the above contract unit price but will be paid for in item 702.9903.

CODE 704.9908
**RECONSTRUCT CATCH BASIN WITH DOUBLE GUTTER INLET TO
SINGLE GUTTER INLET (RCBGI-DS)**

DESCRIPTION: This work consists of reconstructing a catch basin with a double gutter inlet to a catch basin with a single gutter inlet in accordance with details and at the locations indicated on the Plans and/or as directed by the Engineer, all in accordance with **Section 704** of the RIDOT Standard Specifications for Road and Bridge Construction, Amended 2018, with all revisions.

MATERIALS: All material used shall conform to **Subsection 603 and 704.02** of the RIDOT Standard Specifications for Road and Bridge Construction, Amended 2018, with all revisions.

M.04.03.5 Mortar. Mortar shall be a bagged Type M cement mortar and be submitted to the Engineer for approval before use. The mortar shall conform to the requirements of ASTM C270 and ASTM C1329. Mortar sand shall conform to the requirements of AASHTO M45. Mortar shall be used within 45 minutes after its preparation. For construction and reconstruction of brick masonry corbels, excess mortar batched for a corbel and not used shall be discarded. It shall not be used for subsequent corbels or other work on the project.

CONSTRUCTION METHODS: Reconstruction of the drainage structure shall commence in accordance with the details on the Plans or as directed by the Engineer. Construction methods to be employed in this effort shall conform to the applicable requirements as set forth in Subsections 201.03, 702.03 and 932 of these specifications.

Castings shall be set to align and match to the grade of the abutting pavement surface. Placement of temporary patch material shall be placed in lieu of a 1" steel plate at the end of the work day and prior to the final pavement. Prior to the end of the work week, the final pavement for those reconstructed structures shall be placed.

702.03.1 g. Backfill. After reconstruction of the structure has been completed to its respective full height, the excavation area shall be backfilled using Control Low Strength Material (CLSM) Non-excavatable Type III in accordance with Section 603 to allow for the setting of the casting, installation of the concrete collar and final pavement to match the existing pavement grades, cross slope and running grades.

METHODS OF MEASUREMENTS: "Reconstruct Catch Basin with Double Gutter Inlet to Single Gutter Inlet" will be measured by "Each" structure actually reconstructed in accordance with the Plans and/or as directed by the Engineer.

BASIS OF PAYMENTS: "Reconstruct Catch Basin with Double Gutter Inlet to Single Gutter Inlet" will be paid for at the contract unit price per "Each", as listed in the Proposal. The price so-stated constitutes full and complete compensation for all labor, materials and equipment for reconstructing drainage structure including excavation, removing and disposing of gutter inlet, removing and disposing the existing castings, constructing a new gutter inlet, full depth sawcut, remove and dispose bituminous pavement, 4" of Class 9.5 HMA for Miscellaneous Work, resetting apron stone or inlet stone, rebuilding corbel and/or walls to a maximum depth of 2.5 feet, placement and removal of temporary patch material, placing CLSM non excavatable type III as backfill (pay to a neat line) from bottom of

excavation to concrete collar, installing Class XX concrete collar, parging with ½ - inch thick cement mortar coating on both the inside and newly reconstructed exposed outside wall surfaces (except for precast structures), inspecting and cleaning the drainage structures before and after reconstruction, the legal disposal of all surplus excavation and/or unsuitable materials, and for all other incidentals required to finish the work, complete and accepted by the Engineer. A new precast gutter inlet may be substituted in lieu of reconstructing a new one.

The following items of work shall be paid for separately: “Remove and Dispose Inlet Stones”, “Remove and Dispose Frame and Grate”, “Precast Concrete Inlet Stone”.

CODE 707.9902
ADJUST SANITARY MANHOLE (ASMH)

This job specific specification for these items of work shall follow the standard specification described in **Section 707** - Adjust Drainage and Utility Structures of the RIDOT Standard Specifications for Road and Bridge Construction, Amended 2018, with all revisions, except as modified herein:

MATERIALS: All material used shall conform to **Subsection 704.02** of the RIDOT Standard Specifications for Road and Bridge Construction, Amended 2018, with all revisions.

M.04.03.5 Mortar. Mortar shall be a bagged Type M cement mortar and be submitted to the Engineer for approval before use. The mortar shall conform to the requirements of ASTM C270 and ASTM C1329. Mortar sand shall conform to the requirements of AASHTO M45. Mortar shall be used within 45 minutes after its preparation. For construction and reconstruction of brick masonry corbels, excess mortar batched for a corbel and not used shall be discarded. It shall not be used for subsequent corbels or other work on the project.

CONSTRUCTION METHODS: Adjusting of the sewer structure shall commence in accordance with the details on the Plans or as directed by the Engineer. Construction methods to be employed in this effort shall conform to the applicable requirements as set forth in Subsections 702.03, 704.03, and 932 of the RIDOT Standard Specifications for Road and Bridge Construction, Amended 2018, with all revisions.

Castings shall be set/reset to align and match to the grade of the abutting pavement surface. Placement of temporary patch material shall be placed in lieu of a 1" steel plate at the end of the work day and prior to the final pavement. Prior to the end of the work week, the final pavement for those reconstructed structures shall be placed.

702.03. I g. Backfill. After adjustment of the structure has been completed to its respective full height, the excavation area shall be backfilled using Control Low Strength Material (CLSM) Non-excavatable Type III in accordance with Section 603 to allow for the setting of the casting, installation of the concrete collar and final pavement to match the existing pavement grades, cross slope and running grades.

1. Replace Subsection 707.05 with the following:

BASIS OF PAYMENT: The accepted quantity of "Adjust Sanitary Sewer Manhole" will be paid for at the contract unit price per "Each" structure as listed in the Proposal. The price so-stated constitutes full and complete compensation for all labor, materials and equipment for adjusting sanitary sewer manhole structures including excavation, removing, stockpiling, resetting or replacing castings, full depth sawcut, remove and dispose bituminous pavement, 4" of Class 9.5 HMA for Miscellaneous Work, rebuild vertical wall to a depth of 1 foot, placing CLSM non excavatable type III as backfill (pay to a neat line) from bottom of excavation to concrete collar, installing Class concrete collar, the legal disposal of all surplus excavation and/or unsuitable materials, and for all other incidentals required to finish the work, complete and accepted by the Engineer.

Pick up and handling of the town provided "Cumberland Sanitary Sewer Frame and Cover" will not be included in the above contract unit price but will be paid for in item 702.9903.

**905.1000
SIDEWALKS**

DESCRIPTION: Subsection 905.03.1(a): Failure to Comply, In the event the Engineer determines that new sidewalks have not been constructed within the seven consecutive calendar days required by **Subsection 905.03.1(a)** of the Standard Specifications, a daily charge will be deducted from monies due the contractor.

The charge for this Contract will be \$1000.00 per day, for each day that the contractor is not in compliance with **Subsection 905.03.1(a)** of the Specifications.

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
004	201.0401 Cont.	ASSUMED 50% OF ITEM 201.0450		13,360.00	0004	02
		WILL BE UNUSABLE				
Item 201.0401 Total:				13,360.00		
005	201.0402	REMOVE AND DISPOSE CONCRETE CURB	LF			
		BROAD STREET				
		STA. 49+19 TO 49+30 RT		29.00	0004	02
		VOLUME 3- MENDON ROAD				
		38" APRON STONE (SEE ITEM 702.0533)		79.00	0004	03
		38" INLET STONE (SEE ITEM 702.0531)		162.00	0004	03
		5' APRON STONE (SEE ITEM 702.0532)		5.00	0004	03
		DROP INLET CURB (SEE 702.0713)		54.00	0004	03
		EXTRA		60.00	0004	03
		GP 1		80.00	0004	03
		GP 15		3.00	0004	03
		GP 35		27.00	0004	03
		GP 41		54.00	0004	03
		GP 42		20.00	0004	03
		GP 46		37.00	0004	03
		GP 49		4.00	0004	03
		GP 50		12.00	0004	03
		GP 51		46.00	0004	03
		GP 53		87.00	0004	03
		GP 56		30.00	0004	03
Item 201.0402 Total:				789.00		
006	201.0403	REMOVE AND DISPOSE SIDEWALKS	SY			
		BROAD STREET				
		STA. 10+85 TO 10+92 LT		10.00	0004	02

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
006	201.0403	Cont.				
		STA. 10+89 TO 11+71 RT		92.00	0004	02
		STA. 100+91 TO 103+34 LT		228.00	0004	02
		STA. 103+64 TO 106+32 LT		254.00	0004	02
		STA. 106+72 TO 110+36 LT		318.00	0004	02
		STA. 11+07 TO 11+30 LT		45.00	0004	02
		STA. 11+18 TO 11+42 LT		86.00	0004	02
		STA. 11+58 TO 11+78 LT		24.00	0004	02
		STA. 11+63 TO 12+14 RT		37.00	0004	02
		STA. 11+78 TO 16+53 LT		666.00	0004	02
		STA. 110+58 TO 112+67 LT		190.00	0004	02
		STA. 112+88 TO 114+05 LT		112.00	0004	02
		STA. 114+32 TO 116+48 LT		186.00	0004	02
		STA. 115+89 TO 116+51 RT		53.00	0004	02
		STA. 116+80 TO 118+44 LT		162.00	0004	02
		STA. 116+82 TO 119+92 RT		239.00	0004	02
		STA. 118+72 TO 120+94 LT		202.00	0004	02
		STA. 12+02 TO 12+68 RT		126.00	0004	02
		STA. 12+34 TO 12+55 RT		37.00	0004	02
		STA. 12+58 TO 16+05 RT		535.00	0004	02
		STA. 120+13 TO 121+96 RT		148.00	0004	02
		STA. 121+44 TO 124+36 LT		266.00	0004	02

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Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
006	201.0403	Cont.				
		STA. 90+36 TO 91+68 LT		114.00	0004	02
		STA. 91+97 TO 94+27 LT		198.00	0004	02
		STA. 94+52 TO 100+69 LT		580.00	0004	02
		STA. 94+55 TO 98+23 RT		331.00	0004	02
		STA. 98+43 TO 115+59 RT		1,476.00	0004	02
VOLUME 3- MENDON ROAD						
		EXTRA		20.00	0004	03
		GP 1 (95 x 6')/9		64.00	0004	03
		GP 14 (15' X 4.5')/9		8.00	0004	03
		GP 15 (10' X 4.5')/ 9		5.00	0004	03
		GP 21 (10' X 4.5')/9		5.00	0004	03
		GP 26 (5' X 4.5')/9		3.00	0004	03
		GP 3 (20' X 4.5') /9		10.00	0004	03
		GP 30 (10' X 4.5')/9		5.00	0004	03
		GP 31 (35' X 4.5')/9		18.00	0004	03
		GP 32 (25' X 4.5')/9		13.00	0004	03
		GP 33 (130' X 4.5')/9		65.00	0004	03
		GP 34 (80' X 4.5')/9		40.00	0004	03
		GP 35 (45' X 4.5')9		23.00	0004	03
		GP 36 (10' X 4.5')/9		5.00	0004	03
		GP 37 (10' X 4.5')/9		5.00	0004	03
		GP 38 (45' X 4.5')/9		23.00	0004	03
		GP 4 (5' X 4.5')/9		3.00	0004	03
		GP 40 (35' X 4.5')/9		18.00	0004	03
		GP 41 (69' X 4.5')/9		35.00	0004	03
		GP 42 (40' X 4.5')/9		20.00	0004	03
		GP 44 (45' X 4.5')/9		23.00	0004	03
		GP 46 (57 X 4.5')/9		29.00	0004	03
		GP 49 (25' X 4.5')/9		13.00	0004	03
		GP 50 (25' X 4.5')/9		13.00	0004	03
		GP 51 (75' X 4.5')/9		38.00	0004	03
		GP 53 (122' X 4.5')/9		61.00	0004	03
		GP 56 (30' X 4.5')/9		15.00	0004	03

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FAP Nos: 3RD-PTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
006	201.0403 Cont.	GP 58 (10' X 4.5')/9		5.00	0004	03
		GP 6 (20' X 4.5')/9		10.00	0004	03
		GP 9 (10' X 4.5')/9		5.00	0004	03
Item 201.0403 Total:				24,595.00		
007	201.0409	REMOVE AND DISPOSE FLEXIBLE PAVEMENT	SY			
		BROAD STREET				
		FROM ITEM 601.0200		4,105.00	0004	02
		STA. 10+88 TO 12+25 RT		210.00	0004	02
		STA. 100+78 TO 101+65 RT		46.00	0004	02
		STA. 100+93 TO 101+99 LT		70.00	0004	02
		STA. 102+19 TO 102+42 RT		10.00	0004	02
		STA. 102+47 TO 102+75 RT		13.00	0004	02
		STA. 102+68 TO 103+27 LT		92.00	0004	02
		STA. 103+47 TO 104+27 RT		37.00	0004	02
		STA. 104+63 TO 105+07 LT		29.00	0004	02
		STA. 105+41 TO 105+50 RT		6.00	0004	02
		STA. 106+41 TO 107+27 RT		67.00	0004	02
		STA. 107+33 TO 109+12 RT		106.00	0004	02
		STA. 107+49 TO 107+62 LT		9.00	0004	02
		STA. 108+68 TO 109+23 LT		36.00	0004	02
		STA. 109+12 TO 110+02 RT		68.00	0004	02
		STA. 109+27 TO 109+58 LT		18.00	0004	02
		STA. 11+07 TO 11+32 LT		32.00	0004	02
		STA. 11+17 TO 11+42 LT		71.00	0004	02
		STA. 11+26 TO 12+14 RT		43.00	0004	02
		STA. 11+56 TO 11+94 LT		80.00	0004	02
		STA. 11+72 TO 16+55 LT		329.00	0004	02
		STA. 11+98 TO 12+72 RT		208.00	0004	02
		STA. 111+43 TO 112+04 LT		99.00	0004	02

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FAP Nos: 3RD-PTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
007	201.0409	Cont.				
		STA. 79+08 TO 79+88 RT		98.00	0004	02
		STA. 79+89 TO 80+16 RT		14.00	0004	02
		STA. 80+52 TO 80+87 LT		46.00	0004	02
		STA. 81+28 TO 81+79 LT		34.00	0004	02
		STA. 89+29 TO 89+38 LT		11.00	0004	02
		STA. 90+47 TO 90+71 RT		10.00	0004	02
		STA. 91+42 TO 91+66 RT		10.00	0004	02
		STA. 92+96 TO 93+21 RT		33.00	0004	02
		STA. 94+58 TO 96+21 LT		103.00	0004	02
		STA. 95+38 TO 95+42 RT		2.00	0004	02
		STA. 95+73 TO 95+85 RT		8.00	0004	02
		STA. 96+28 TO 96+43 RT		7.00	0004	02
		STA. 96+61 TO 97+13 LT		40.00	0004	02
		STA. 96+79 TO 97+02 RT		23.00	0004	02
		STA. 97+32 TO 97+78 RT		21.00	0004	02
		STA. 97+80 TO 98+10 LT		14.00	0004	02
		STA. 98+35 TO 98+46 LT		11.00	0004	02
		STA. 98+79 TO 99+07 LT		25.00	0004	02
		STA. 99+01 TO 99+56 RT		25.00	0004	02
		STA. 99+93 TO 100+10 RT		35.00	0004	02
		VOLUME 3- MENDON ROAD				
		BEHIND SIDEWALK PAVEMENT		17.00	0004	03
		((150'X1')/9)				
		NEW DROP INLET LOCATIONS		16.00	0004	03
		((201.0422) 16 X 9' X 1'/9)				
Item 201.0409 Total:				12,473.00		
008	201.0410	REMOVE AND DISPOSE CATCH BASINS	EACH			
		BROAD STREET				
		STA. 12+56 LT		1.00	0004	02
		STA. 28+26 LT		1.00	0004	02
		STA. 31+84 LT		1.00	0004	02
		STA. 34+88 LT		1.00	0004	02

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FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
008	201.0410	Cont.				
		STA. 50+52 LT		1.00	0004	02
		STA. 56+00 LT		1.00	0004	02
		STA. 56+50 RT		1.00	0004	02
		STA. 56+77 RT		1.00	0004	02
		STA. 57+86 LT		1.00	0004	02

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FAP Nos: 3RD-PTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
014	201.0428	Cont.				
		STA. 53+77 LT		1.00	0004	02
		STA. 56+00 LT		1.00	0004	02
		STA. 56+50 RT		1.00	0004	02
		STA. 56+77 RT		2.00	0004	02
		STA. 57+86 LT		1.00	0004	02
		STA. 59+43 RT		1.00	0004	02
		STA. 67+93 LT		1.00	0004	02
		VOLUME 3- MENDON ROAD				
		SEE ITEM 701.0517		24.00	0004	03
		SEE ITEM 702.0510		4.00	0004	03
		SEE ITEM 702.0516		2.00	0004	03
Item 201.0428 Total:				56.00		
015	201.0450	REMOVE AND STOCKPILE ON SITE	LF			
		GRANITE CURB				
		BROAD STREET				
		LESS HALF TO BE DISPOSED		-13,360.00	0004	02
		STA. 10+89 TO 10+93 LT		22.00	0004	02
		STA. 10+89 TO 11+60 RT		105.00	0004	02
		STA. 100+25 TO 100+69 LT		63.00	0004	02
		STA. 100+95 TO 101+76 LT		93.00	0004	02
		STA. 101+05 TO 101+28 RT		26.00	0004	02
		STA. 101+46 TO 102+24 RT		81.00	0004	02
		STA. 101+90 TO 102+59 LT		71.00	0004	02
		STA. 102+40 TO 102+46 RT		8.00	0004	02
		STA. 102+76 TO 103+45 RT		72.00	0004	02
		STA. 102+99 TO 103+34 LT		52.00	0004	02
		STA. 103+64 TO 104+63 LT		120.00	0004	02
		STA. 103+77 TO 103+81 RT		6.00	0004	02
		STA. 104+00 TO 105+40 RT		142.00	0004	02
		STA. 104+75 TO 104+79 LT		7.00	0004	02
		STA. 105+07 TO 105+49 LT		45.00	0004	02
		STA. 105+52 TO 106+74 RT		124.00	0004	02

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FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
015	201.0450	Cont.				
		STA. 105+59 TO 106+31	LT	92.00	0004	02
		STA. 106+72 TO 107+49	LT	96.00	0004	02
		STA. 107+09 TO 107+35	RT	28.00	0004	02
		STA. 107+60 TO 108+33	RT	75.00	0004	02

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FAP Nos: 3RD-PTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
017	201.0617 Cont.	AS SHOWN ON PLANS		315.00	0004	02
		BROAD STREET AT DEXTER STREET				
		AS SHOWN ON PLANS		175.00	0004	02
		BROAD STREET AT EXCHANGE STREET/GOFF AVENUE				
		AS SHOWN ON PLANS		350.00	0004	02
		BROAD STREET AT FALES STREET				
		AS SHOWN ON PLANS		165.00	0004	02
		BROAD STREET AT HIGH STREET				
		AS SHOWN ON PLANS		160.00	0004	02
		BROAD STREET AT HUNT STREET				
		AS SHOWN ON PLANS		155.00	0004	02
Item 201.0617 Total:				1,725.00		
018	201.9902	REMOVE AND RESET CONCRETE CAR STOP EACH				
		BROAD STREET				
		PROJECT WIDE		20.00	0004	02
		STA. 25+74 LT		2.00	0004	02
		STA. 60+61 TO 61+10 LT		6.00	0004	02
		STA. 66+61 LT		1.00	0004	02
Item 201.9902 Total:				29.00		
019	202.0100	EARTH EXCAVATION	CY			
		BROAD STREET				
		FROM 401.3100 HMA DRIVEWAYS		1,378.00	0004	02
		FROM 905.0110 & 905.0115		5,412.00	0004	02
		SIDEWALK AND DRIVEWAY AREAS				
		FROM FDP AREAS		206.00	0004	02
		FROM L01.0102 LOAM & SEED AREAS		359.00	0004	02
		VOLUME 3- MENDON ROAD				
		ITEM 201.0403 *8"/36"		134.00	0004	03
		ITEM 201.0422 DROP INLETS		16.00	0004	03

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FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
019	202.0100	Cont. (16*9"/12"X1'X3'/27)				
				Item 202.0100 Total:		7,505.00
020	202.0200	ROCK EXCAVATION COMMON	CY			

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FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
025	204.0100	Cont.				
		AREAS				
		FROM 601.0200 CURB LOCK AREAS		4,105.00	0004	02
		FROM 905.0110 & 905.0115		24,352.00	0004	02
		SIDEWALK & DRIVEWAY AREAS				
		FROM 905.0131 MEDIAN AREAS		233.00	0004	02
		(PAWTUCKET)				
		FROM L01.0102 LOAM AREAS		2,153.00	0004	02
		VOLUME 3- MENDON ROAD				
		830' SIDEWALK X 1' /9		93.00	0004	03
		SEE ITEM 201.0409		11.00	0004	03
		SEE ITEM 202.0100		600.00	0004	03
Item 204.0100 Total:				38,241.00		
026	206.0301	COMPOST FILTER SOCK	LF			
		BROAD STREET				
		PROJECT WIDE AS NEEDED FOR		5,000.00	0004	02
		SESC				
		Sta. 100+50 Lt		5.00	0004	02
		Sta. 101+50 Lt		5.00	0004	02
		Sta. 102+50 Lt		5.00	0004	02
		Sta. 103+71 Lt		5.00	0004	02
		Sta. 104+00 Lt		5.00	0004	02
		Sta. 106+00 LT		5.00	0004	02
		Sta. 108+50 LT		5.00	0004	02
		Sta. 110+00 LT		5.00	0004	02
		Sta. 110+32 LT		5.00	0004	02
		Sta. 111+02 Lt		5.00	0004	02
		Sta. 112+00 Lt		5.00	0004	02
		Sta. 113+25 Lt		5.00	0004	02
		Sta. 115+57 Rt		5.00	0004	02
		Sta. 115+90 Rt		5.00	0004	02
		Sta. 116+04 Rt		5.00	0004	02
		Sta. 118+71 Lt		5.00	0004	02

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FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
026	206.0301	Cont.				
		Sta. 118+79 Lt		5.00	0004	02
		Sta. 120+18 Rt		5.00	0004	02
		Sta. 122+26 Rt		5.00	0004	02
		Sta. 122+40 Lt		5.00	0004	02

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Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
035	601.0200	Cont.				
		STA. 49+49 TO 52+81 RT		12.00	0004	02
		STA. 50+73 TO 53+85 LT		12.00	0004	02
		STA. 52+98 TO 56+52 RT		12.00	0004	02
		STA. 54+07 TO 56+03 RT		8.00	0004	02
		STA. 56+24 TO 57+88 RT		7.00	0004	02
		STA. 56+74 TO 59+56 RT		11.00	0004	02
		STA. 58+11 TO 60+24 LT		8.00	0004	02
		STA. 59+78 TO 65+23 RT		18.00	0004	02
		STA. 60+46 TO 65+23 LT		17.00	0004	02
		STA. 65+45 TO 67+62 LT		9.00	0004	02
		STA. 65+46 TO 74+16 RT		29.00	0004	02
		STA. 67+84 TO 74+08 LT		22.00	0004	02
		STA. 74+30 TO 76+90 LT		10.00	0004	02
		STA. 74+38 TO 78+84 RT		15.00	0004	02
		STA. 77+17 TO 82+21 RT		17.00	0004	02
		STA. 79+07 TO 80+60 RT		6.00	0004	02
		STA. 80+79 TO 80+60 RT		12.00	0004	02
		STA. 87+23 TO 87+48 LT		2.00	0004	02
		STA. 87+30 TO 87+55 RT		1.00	0004	02
		STA. 87+63 TO 89+07 RT		15.00	0004	02
		STA. 87+71 TO 90+10 LT		9.00	0004	02
		STA. 89+31 TO 94+31 RT		51.00	0004	02
		STA. 90+35 TO 91+72 LT		6.00	0004	02
		STA. 92+05 TO 94+29 LT		8.00	0004	02
		STA. 94+51 TO 100+71 LT		21.00	0004	02
		STA. 94+53 TO 98+25 RT		38.00	0004	02
		STA. 98+44 TO 115+59 RT		163.00	0004	02
		VOLUME 3- MENDON ROAD				
		CURB LOCK FOR WCRS AND		17.00	0004	03
		STRAIGHT- SIDEWALKS				
		(201.0402) (460' X 1' X 1'				
		/27)				
Item 601.0200 Total:				1,201.00		

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
036	701.0412	REINFORCED CONCRETE PIPE M 170	LF			
		CLASS III 12 INCH				
		BROAD STREET				
		STA. 108+50 RT TO 110+29 RT		175.00	0004	02

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
044	702.0516	Cont.				
		STA. 203+80 RT		1.00	0004	02
		STA. 203+95 LT		1.00	0004	02
		STA. 204+05 RT		1.00	0004	02
		STA. 205+25 RT		1.00	0004	02
		VOLUME 3- MENDON ROAD				
		GP 3		2.00	0004	03
Item 702.0516 Total:				94.00		
045	702.0521	FRAME AND COVER STANDARD 6.2.0	EACH			
		BROAD STREET				
		STA. 126+00 LT		1.00	0004	02
		STA. 50+77 LT		1.00	0004	02
Item 702.0521 Total:				2.00		
046	702.0522	FRAME AND COVER STANDARD 6.2.1	EACH			
		BROAD STREET				
		AS NEEDED		20.00	0004	02
		STA. 100+48 LT		1.00	0004	02
		STA. 101+50 LT		1.00	0004	02
		STA. 102+50 LT		1.00	0004	02
		STA. 104+00 RT		1.00	0004	02
		STA. 106+00 RT		1.00	0004	02
		STA. 108+50 RT		1.00	0004	02
		STA. 110+29 RT		1.00	0004	02
		STA. 111+00 RT		1.00	0004	02
		STA. 112+75 RT		1.00	0004	02
		STA. 112+78 LT		1.00	0004	02
		STA. 113+25 RT		1.00	0004	02
		STA. 114+20 LT		1.00	0004	02
		STA. 114+20 RT		1.00	0004	02
		STA. 126+00 LT		1.00	0004	02
		STA. 159+75 LT		1.00	0004	02
		STA. 87+08		1.00	0004	02

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
046	702.0522	Cont.				
		STA. 87+34 LT		1.00	0004	02
		STA. 88+25 LT		1.00	0004	02

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
048	702.0541 Cont.	Sta. 110+00 LT		1.00	0004	02
		Sta. 110+32 LT		1.00	0004	02
		Sta. 111+02 LT		1.00	0004	02
		Sta. 112+00 LT		1.00	0004	02
		Sta. 113+25 LT		1.00	0004	02
		Sta. 126+00 LT		1.00	0004	02
		Sta. 142+91 to 142+96 Lt		1.00	0004	02
		Sta. 145+22 to 145+25 Lt		1.00	0004	02
		Sta. 146+01 to 146+04 Lt		1.00	0004	02
		Sta. 147+44 LT		1.00	0004	02
		Sta. 56+00 LT		1.00	0004	02
		Sta. 57+86 LT		1.00	0004	02
		Sta. 67+95 LT		1.00	0004	02
		Sta. 89+22 LT		1.00	0004	02
		Sta. 89+95 LT		1.00	0004	02
		Sta. 90+70 LT		1.00	0004	02
		Sta. 91+54 LT		1.00	0004	02
		Sta. 93+25 LT		1.00	0004	02
		Sta. 94+00 LT		1.00	0004	02
		Sta. 95+02 LT		1.00	0004	02
		Sta. 95+56 LT		1.00	0004	02
		Sta. 95+65 LT		1.00	0004	02
		Sta. 95+92 LT		1.00	0004	02
		Sta. 96+50 LT		1.00	0004	02
		Sta. 97+25 LT		1.00	0004	02
		Sta. 98+25 LT		1.00	0004	02
		Sta. 99+15 LT		1.00	0004	02
		Sta. 99+75 LT		1.00	0004	02
		VOLUME 3- MENDON ROAD				
		GP 26		1.00	0004	03
Item 702.0541 Total:				35.00		

049 702.0542 GRANITE APRON STONE 5FT. STANDARD EACH

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
049	702.0542	Cont. 7.3.7				

BROAD STREET

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
054	702.0712	Cont.				
		STA. 31+84 LT		1.00	0004	02
		STA. 34+88 LT		1.00	0004	02
		STA. 50+52 LT		1.00	0004	02
		STA. 56+75 RT		1.00	0004	02
		STA. 89+08 RT		1.00	0004	02
		VOLUME 3- MENDON ROAD				
		GP 47		1.00	0004	03
Item 702.0712 Total:				7.00		
055	702.0713	PRECAST CONCRETE DROP INLET WITH EACH APRON STONE STANDARD 4.5.1				
		BROAD STREET				
		STA. 100+50 LT		1.00	0004	02
		STA. 101+50 LT		1.00	0004	02
		STA. 102+50 LT		1.00	0004	02
		STA. 104+00 LT		1.00	0004	02
		STA. 106+00 RT		1.00	0004	02
		STA. 108+50 LT		1.00	0004	02
		STA. 110+00 LT		1.00	0004	02
		STA. 110+32 LT		1.00	0004	02
		STA. 111+02 LT		1.00	0004	02
		STA. 112+00 LT		1.00	0004	02
		STA. 113+25 LT		1.00	0004	02
		STA. 27+05 RT		1.00	0004	02
		STA. 56+00 LT		1.00	0004	02
		STA. 57+86 LT		1.00	0004	02
		STA. 67+95 LT		1.00	0004	02
		STA. 88+25 LT		1.00	0004	02
		STA. 89+22 LT		1.00	0004	02
		STA. 89+95 LT		1.00	0004	02
		STA. 90+10 LT		1.00	0004	02
		STA. 90+70 LT		1.00	0004	02
		STA. 91+54 LT		1.00	0004	02

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
055	702.0713	Cont.				
		STA. 93+25 LT		1.00	0004	02
		STA. 94+00 LT		1.00	0004	02

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
055	702.0713	Cont.				
		STA. 94+31 RT		1.00	0004	02
		STA. 95+02 LT		1.00	0004	02
		STA. 95+56 LT		1.00	0004	02
		STA. 95+65 LT		1.00	0004	02
		STA. 95+92 LT		1.00	0004	02
		STA. 96+50 LT		1.00	0004	02
		STA. 97+25 LT		1.00	0004	02
		STA. 98+25 LT		1.00	0004	02
		STA. 99+15 LT		1.00	0004	02
		STA. 99+75 LT		1.00	0004	02
		EXCHANGE STREET				
		STA. 203+80 RT		1.00	0004	02
		STA. 204+05 RT		1.00	0004	02
		VOLUME 3- MENDON ROAD				
		GP 15		1.00	0004	03
		GP 21		1.00	0004	03
		GP 22		1.00	0004	03
		GP 29		1.00	0004	03
		GP 30		1.00	0004	03
		GP 34		1.00	0004	03
		GP 35		1.00	0004	03
		GP 42		1.00	0004	03
		GP 46		1.00	0004	03
		GP 49		2.00	0004	03
		GP 51		1.00	0004	03
		GP 52		2.00	0004	03
		GP 8		2.00	0004	03
Item 702.0713 Total:				51.00		
056	702.0714	PRECAST CONCRETE DROP INLET WITH EACH				
		APRON STONE STANDARD 4.5.2				
		BROAD STREET				
		STA. 150+40 RT		1.00	0004	02

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
056	702.0714 Cont.	STA. 37+22 LT		1.00	0004	02
		EXCHANGE STREET				
		STA. 203+95 LT		1.00	0004	02
		STA. 205+25 RT		1.00	0004	02
Item 702.0714 Total:				4.00		
057	702.0810	CONCRETE COVER SHALLOW 5'-0" ROUND	EACH			
		MANHOLES STANDARD 4.6.1				
		BROAD STREET				
		STA. 87+08		1.00	0004	02
Item 702.0810 Total:				1.00		
058	702.0840	ALTERNATE TOP COVER ROUND PRECAST	EACH			
		MANHOLES AND CATCH BASINS STANDARD				

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
075	713.8300	Cont.				
		STA. 74+19 RT		1.00	0004	02
		STA. 74+21 RT		1.00	0004	02
		STA. 74+29 RT		1.00	0004	02
		STA. 74+86 LT		1.00	0004	02
		STA. 75+07 LT		1.00	0004	02
		STA. 75+20 LT		3.00	0004	02
		STA. 75+46 LT		1.00	0004	02
		STA. 80+62 RT		1.00	0004	02
		STA. 80+75 RT		1.00	0004	02
		STA. 82+42 LT		1.00	0004	02
		STA. 82+43 LT		1.00	0004	02
		STA. 82+87 LT		1.00	0004	02
		STA. 83+38 LT		1.00	0004	02
		STA. 83+51 LT		2.00	0004	02
		STA. 83+52 LT		1.00	0004	02
		STA. 86+91 LT		1.00	0004	02
		STA. 87+04 LT		1.00	0004	02
		STA. 87+51 LT		1.00	0004	02
		STA. 89+17 LT		1.00	0004	02
		STA. 90+18 LT		1.00	0004	02
		STA. 94+37 RT		1.00	0004	02
		STA. 94+38 LT		1.00	0004	02
		STA. 98+39 RT		1.00	0004	02
		VOLUME 3- MENDON ROAD				
		GP 33		2.00	0004	03
Item 713.8300 Total:				86.00		
076	901.9903	REMOVE AND RESET TRASH RECEPTACLE	EACH			
		BROAD STREET				
		STA. 14+90 RT		1.00	0004	02
		STA. 45+33 TO 45+21 LT		1.00	0004	02
		STA. 50+37 LT		1.00	0004	02
		STA. 62+95 LT		1.00	0004	02

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
076	901.9903 Cont.	STA. 69+65 RT		1.00	0004	02
		STA. 81+18 RT		1.00	0004	02

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
083	905.0110	Cont.				
		STA. 98+08 TO 98+30 LT		2.00	0004	02
		STA. 98+13 TO 98+23 RT		2.00	0004	02
		STA. 98+19 TO 98+23 RT		1.00	0004	02
		STA. 98+43 TO 98+49 RT		1.00	0004	02
		STA. 98+43 TO 98+55 RT		2.00	0004	02
		STA. 98+48 TO 98+78 LT		3.00	0004	02
		STA. 98+49 TO 99+18 RT		6.00	0004	02
		STA. 99+08 TO 99+97 LT		10.00	0004	02
		STA. 99+56 TO 100+75 RT		14.00	0004	02
		EXCHANGE STREET				
		STA. 200+96 TO 201+03 LT		2.00	0021	01
		STA. 200+96 TO 202+63 LT		25.00	0021	01
		STA. 201+57 TO 201+93 RT		15.00	0021	01
		STA. 202+11 TO 202+22 RT		2.00	0021	01
		STA. 202+86 TO 204+23 RT		26.00	0021	01
		STA. 203+14 TO 203+24 RT		1.00	0021	01
		STA. 203+14 TO 204+44 LT		23.00	0021	01
		VOLUME 3- MENDON ROAD				
		SEE ITEM 201.0403 (600*4"/12		67.00	0004	03
		/3)				
Item 905.0110 Total:				2,737.00		
084	905.0115	PORTLAND CEMENT CONCRETE DRIVEWAY	CY			
		STANDARD 43.5.0				
		BROAD STREET				
		STA. 100+75 TO 101+05 RT		6.00	0004	02
		STA. 100+93 TO 101+03 LT		1.00	0004	02
		STA. 101+25 TO 101+49 RT		5.00	0004	02
		STA. 101+73 TO 101+93 LT		5.00	0004	02
		STA. 102+17 TO 102+44 RT		5.00	0004	02
		STA. 102+47 TO 102+83 RT		7.00	0004	02
		STA. 102+67 TO 103+00 LT		8.00	0004	02
		STA. 103+44 TO 103+77 RT		7.00	0004	02

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
084	905.0115	Cont.				
		STA. 103+81 TO 104+09	RT	6.00	0004	02
		STA. 104+60 TO 104+77	LT	4.00	0004	02
		STA. 104+81 TO 105+10	LT	6.00	0004	02

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.	
084	905.0115	Cont.					
		STA. 93+40 TO 93+57 LT		3.00	0004	02	
		STA. 94+67 TO 94+97 LT		7.00	0004	02	
		STA. 95+06 TO 95+52 LT		10.00	0004	02	
		STA. 95+66 TO 95+90 LT		6.00	0004	02	
		STA. 95+71 TO 95+87 RT		4.00	0004	02	
		STA. 95+96 TO 96+24 LT		6.00	0004	02	
		STA. 96+25 TO 96+45 RT		4.00	0004	02	
		STA. 96+63 TO 97+15 LT		11.00	0004	02	
		STA. 96+76 TO 96+96 RT		4.00	0004	02	
		STA. 97+80 TO 98+08 LT		6.00	0004	02	
		STA. 98+30 TO 98+48 LT		4.00	0004	02	
		STA. 98+78 TO 99+09 LT		8.00	0004	02	
		STA. 99+18 TO 99+56 RT		8.00	0004	02	
		STA. 99+97 TO 100+27 LT		7.00	0004	02	
		VOLUME 3- MENDON ROAD					
		GP 15 (5' X 5' X 8"/12)/27		1.00	0004	03	
		GP 41 (CADORET DR DETAIL)		1.00	0004	03	
		((5' X 5' X 8"/12)/27)					
		GP 46 (10' X 5' X 8"/12)/27		2.00	0004	03	
		GP 53 (SHOPPING CENTER		3.00	0004	03	
		DETAIL) (25' X 5' X 8"/12/27)					
				Item 905.0115 Total:	1,018.00		
085	905.0131	PORTLAND CEMENT CONCRETE MEDIAN	CY				
		6'' MONOLITHIC					
		BROAD STREET					
		STA. 11+07 TO 11+18 LT		1.00	0021	01	
		STA. 11+11 TO 11+21 LT		2.00	0021	01	
		STA. 11+28 TO 11+32 LT		1.00	0021	01	
		EXCHANGE STREET					
		STA. 201+05 TO 202+29 LT		13.00	0021	01	
		STA. 201+06 TO 202+10 RT		9.00	0021	01	
		STA. 202+22 TO 202+45 RT		2.00	0021	01	

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
085	905.0131 Cont.	STA. 202+33 TO 202+57 LT		2.00	0021	01
		STA. 203+02 TO 203+13 RT		2.00	0021	01
		STA. 203+25 TO 204+26 RT		10.00	0021	01
Item 905.0131 Total:				42.00		
086	905.9902	FURNISH AND INSTALL BRICK SIDEWALK	SY			
		BROAD STREET				

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
098	906.0210	CEMENT CONCRETE CURB PRECAST	LF			
		STRAIGHT STANDARD 7.1.0				
		BROAD STREET				
		STA. 49+19 TO 49+30 RT		29.00	0004	02
		VOLUME 3- MENDON ROAD				
		GP 1 (MENDON ROAD DETAIL)		52.00	0004	03
		GP 35 (LAMBERT AVE DETAIL)		6.00	0004	03
		GP 41 (CADORET DR DETAIL)		8.00	0004	03
		GP 46 (HEROUX BLVD DETAIL)		8.00	0004	03
		GP 49		4.00	0004	03
		GP 51 (SHELTER LANE DETAIL)		15.00	0004	03
		GP 53 (SHOPPING CENTER DETAIL)		43.00	0004	03
		GP 56 (BILTMORE AVE DETAIL)		3.00	0004	03
Item 906.0210 Total:				168.00		
099	906.0600	BITUMINOUS CURBING STANDARD 7.5.0	LF			
		BROAD STREET				
		STA. 61+19 TO 61+21 RT		12.00	0004	02
Item 906.0600 Total:				12.00		
100	906.0700	REMOVE, HANDLE, HAUL TRIM RESET	LF			
		CURB EDGING, STRAIGHT, CIRCULAR				
		ALL TYPES				
		BROAD STREET				
		STA. 14+72 TO 14+72 LT		7.00	0004	02
		STA. 15+07 TO 15+07 LT		7.00	0004	02
		STA. 46+02 TO 46+34 RT		58.00	0004	02
		STA. 68+06 TO 68+08 LT		9.00	0004	02
		STA. 68+34 TO 69+74 LT		167.00	0004	02
		STA. 70+04 TO 70+06 LT		16.00	0004	02
Item 906.0700 Total:				264.00		

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
101	906.0720	RESET STOCKPILE CURB STRAIGHT	LF			
		CIRCULAR CORNER RETURNS				
		BROAD STREET				
		ASSUME 50% OF STOCKPILED		13,360.00	0004	02
		CURB TO BE RESET				
				Item 906.0720 Total:		13,360.00
102	907.0100	WATER FOR DUST CONTROL	MGAL			
		BROAD STREET				
		FROM 401.3100 HMA DRIVEWAYS		13.00	0004	02

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
102	907.0100	Cont.				
		FROM 601.0200 CURB LOCK AREAS		9.00	0004	02
		FROM 905.0110 & 905.0115		49.00	0004	02
		SIDEWALK & DRIVEWAY AREAS				
		FROM FDP AREAS		10.00	0004	02
Item 907.0100 Total:				81.00		
103	914.5010	FLAGPERSONS	MHRS			
		PROJECT WIDE				
		PROJECT WIDE		9,600.00	0004	02
		VOLUME 3- MENDON ROAD				
		DRAINAGE		1,250.00	0004	03
		SEWER MANHOLES		350.00	0004	04
Item 914.5010 Total:				11,200.00		
104	914.5020	FLAGPERSONS - OVERTIME	MHRS			
		PROJECT WIDE				
		PROJECT WIDE		960.00	0004	02
		VOLUME 3- MENDON ROAD				
		DRAINAGE		420.00	0004	03
		SEWER MANHOLES		130.00	0004	04
Item 914.5020 Total:				1,510.00		
105	915.0100	HIGHWAY BOUND GRANITE STANDARD	EACH			
		14.2.0				
		BROAD STREET				
		PROJECT WIDE		12.00	0004	02
Item 915.0100 Total:				12.00		
106	915.0240	REMOVE AND RESET HIGHWAY BOUNDS	EACH			
		(ALL TYPES)				
		BROAD STREET				
		STA. 102+40 RT		1.00	0004	02
		STA. 112+60 LT		1.00	0004	02

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
106	915.0240	Cont.				
		STA. 16+01	RT	1.00	0004	02
		STA. 27+85	LT	1.00	0004	02
		STA. 31+49	RT	1.00	0004	02
		STA. 32+75	RT	1.00	0004	02
		STA. 34+80	LT	1.00	0004	02
		STA. 34+88	RT	1.00	0004	02

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
109	922.0100	Cont.				
		PROJECT WIDE				
		27.1.1 (24"X36")		72.00	0021	01
		AS NEEDED		36.00	0021	01
		G20-2 (18"X36")		54.00	0021	01
		M4-9BL (30"X24")		15.00	0021	01
		M4-9BR (30"X24")		15.00	0021	01
		R3-7L (36"X36")		36.00	0021	01
		R4-7 (30"X24")		60.00	0021	01
		R7-3R (36"X36")		36.00	0021	01
		R9-11L (18"X24")		9.00	0021	01
		R9-11R (18"X24")		9.00	0021	01
		R9-9 (12"X24")		24.00	0021	01
		W20-1 (36"X36")		108.00	0021	01
		W20-4 (36"X36")		108.00	0021	01
		W20-5L (36'X36")		18.00	0021	01
		W20-5R (36'X36")		18.00	0021	01
		W20-7A (36"X36")		108.00	0021	01
		W4-2L (36"X36")		18.00	0021	01
		W4-2R (36"X36")		18.00	0021	01
		W9-2L (36'X36")		18.00	0021	01
		VOLUME 3- MENDON ROAD				
		G20-2A		48.00	0004	03
		R11-2		40.00	0004	03
		R11-4		50.00	0004	03
		R3-2		8.00	0004	03
		R9-10		8.00	0004	03
		R9-11		8.00	0004	03
		R9-8		18.00	0004	03
		R9-9		8.00	0004	03
		RI STD. 27.1.1		36.00	0004	03
		W11-2		50.00	0004	03
		W12-1		8.00	0004	03
		W13-1		24.00	0004	03

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
109	922.0100	Cont.				
		W1-4L		18.00	0004	03
		W1-4R		18.00	0004	03
		W16-7P		8.00	0004	03
		W16-9P		8.00	0004	03
		W20-1		54.00	0004	03
		W20-4		18.00	0004	03
		W20-5(R)(B)		18.00	0004	03
		W20-7A		54.00	0004	03
		W21-4		13.00	0004	03
		W4-2R		18.00	0004	03
		W9-3		18.00	0004	03
Item 922.0100 Total:				1,331.00		
110	923.0120	PLASTIC PIPE BARRICADE STANDARD	EACH			
		26.3.0				
		PROJECT WIDE				
		PROJECT WIDE		18.00	0021	01
		VOLUME 3- MENDON ROAD				
		SIDEWALK REPAIRS		6.00	0004	03
Item 923.0120 Total:				24.00		
111	923.0200	FLUORESCENT TRAFFIC CONES STANDARD	EACH			
		26.1.0				
		PROJECT WIDE				
		PROJECT WIDE		250.00	0021	01
		VOLUME 3- MENDON ROAD				
		PROJECT WIDE		200.00	0004	03
Item 923.0200 Total:				450.00		

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
112	923.9901	TEMPORARY PEDESTRIAN CURB RAMP	EACH			
		PROJECT WIDE				
		PROJECT WIDE		2.00	0021	01
Item 923.9901 Total:				2.00		
113	924.0113	ADVANCE WARNING ARROW PANEL	PDAY			
		PROJECT WIDE				
		PROJECT WIDE		60.00	0021	01
Item 924.0113 Total:				60.00		
114	926.9901	UNANCHORED BARRIER FOR TEMPORARY TRAFFIC CONTROL (MASH TL-3)	LF			
		PROJECT WIDE				
		PROJECT WIDE		1,000.00	0021	01
Item 926.9901 Total:				1,000.00		
115	926.9902	ANCHORED BARRIER FOR TEMPORARY TRAFFIC CONTROL (MASH TL-3)	LF			
		PROJECT WIDE				
		PROJECT WIDE		1,000.00	0021	01
Item 926.9902 Total:				1,000.00		
116	926.9903	POLYETHYLENE WATER FILLED BARRIER FOR TEMPORARY TRAFFIC CONTROL	LF			
		PROJECT WIDE				
		PROJECT WIDE		1,000.00	0021	01
Item 926.9903 Total:				1,000.00		
117	929.0110	FIELD OFFICE	PMO			
		BROAD STREET				
		PROJECT WIDE AS NEEDED		47.00	0004	02
		VOLUME 3- MENDON ROAD				
		PROJECT WIDE- 12 MONTHS		12.00	0004	03

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
117	929.0110	Cont.				
Item 929.0110 Total:				59.00		

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
120	932.0200	Cont.				
		STA. 56+24 TO 57+88 LT		198.00	0004	02
		STA. 56+74 TO 59+56 RT		336.00	0004	02
		STA. 58+11 TO 60+24 LT		244.00	0004	02
		STA. 59+78 TO 65+23 RT		580.00	0004	02
		STA. 60+46 TO 65+23 LT		522.00	0004	02
		STA. 65+45 TO 67+62 LT		272.00	0004	02
		STA. 65+46 TO 74+16 RT		929.00	0004	02
		STA. 67+84 TO 74+08 LT		696.00	0004	02
		STA. 74+30 TO 76+90 LT		317.00	0004	02
		STA. 74+38 TO 78+84 RT		481.00	0004	02
		STA. 77+17 TO 82+21 LT		536.00	0004	02
		STA. 79+07 TO 80+60 RT		183.00	0004	02
		STA. 80+79 TO 80+60 RT		378.00	0004	02
		STA. 87+63 TO 89+07 RT		162.00	0004	02
		STA. 87+71 TO 90+10 LT		276.00	0004	02
		STA. 89+31 TO 89+50 RT		39.00	0004	02
		STA. 90+35 TO 91+72 LT		157.00	0004	02
		STA. 91+24 TO 94+31 RT		330.00	0004	02
		STA. 91+96 TO 94+29 LT		257.00	0004	02
		STA. 94+51 TO 100+71 LT		663.00	0004	02
		STA. 94+53 TO 98+25 RT		401.00	0004	02
		STA. 98+44 TO 115+59 RT		1,755.00	0004	02
		VOLUME 3- MENDON ROAD				
		CUT AND MATCH AROUND		147.00	0004	03
		STRUCTURE (DROP INLETS 15 X 9 + 1 X 12)				
		WCR DETAILS AND STRAIGHT CURB (201.0402)		460.00	0004	03
Item 932.0200 Total:				31,721.00		
121	932.0220	FULL DEPTH SAWCUT OF BITUMINOUS SIDEWALK/DRIVEWAY BROAD STREET	LF			

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
121	932.0220	Cont.				
		STA. 100+78 TO 101+65	RT (DW)	60.00	0004	02
		STA. 100+93 TO 101+99	LT (DW)	122.00	0004	02
		STA. 101+99 TO 102+38	LT (DW)	38.00	0004	02
		STA. 102+68 TO 103+31	LT (DW)	74.00	0004	02
		STA. 103+47 TO 103+82	RT (DW)	39.00	0004	02
		STA. 103+85 TO 104+26	RT (DW)	43.00	0004	02

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
121	932.0220	Cont.				
		STA. 79+08 TO 79+84 LT (DW)		83.00	0004	02
		STA. 79+88 TO 80+12 RT (DW)		25.00	0004	02
		STA. 80+53 TO 80+87 LT		35.00	0004	02
		STA. 81+28 TO 81+82 LT		60.00	0004	02
		STA. 87+71 TO 87+76 LT		5.00	0004	02
		STA. 89+28 TO 89+38 LT		10.00	0004	02
		STA. 91+42 TO 91+66 RT		24.00	0004	02
		STA. 92+96 TO 93+21 RT		25.00	0004	02
		STA. 93+63 TO 93+69 RT		6.00	0004	02
		STA. 94+58 TO 96+21 LT		175.00	0004	02
		STA. 95+74 TO 95+84 RT		10.00	0004	02
		STA. 96+29 TO 96+43 RT		14.00	0004	02
		STA. 96+61 TO 97+12 LT		52.00	0004	02
		STA. 96+79 TO 96+99 RT		20.00	0004	02
		STA. 97+32 TO 97+78 RT		20.00	0004	02
		STA. 97+78 TO 98+10 LT		31.00	0004	02
		STA. 98+35 TO 98+45 LT		11.00	0004	02
		STA. 98+79 TO 99+07 LT		28.00	0004	02
		STA. 99+02 TO 99+61 RT (DW)		60.00	0004	02
		STA. 99+55 TO 99+93 LT		40.00	0004	02
		STA. 99+93 TO 100+22 LT		30.00	0004	02
		VOLUME 3- MENDON ROAD				
		GP 1		50.00	0004	03
		GP 14		15.00	0004	03
		GP 33		104.00	0004	03
Item 932.0220 Total:				7,930.00		
122	932.0230	FULL DEPTH SAWCUT OF PORTLAND	LF			
		CEMENT CONCRETE SIDEWALK/DRIVEWAY				
		BROAD STREET				
		STA. 10+89 TO 11+31 RT		50.00	0004	02
		STA. 100+21 TO 100+28 RT		8.00	0004	02
		STA. 100+61 TO 100+69 LT		8.00	0004	02

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
122	932.0230	Cont.				
		STA. 102+19 TO 102+42	RT	23.00	0004	02
		STA. 102+47 TO 102+75	RT	28.00	0004	02
		STA. 102+94 TO 103+02	RT	7.00	0004	02
		STA. 103+64 TO 103+70	LT	6.00	0004	02

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
122	932.0230	Cont.				
		STA. 80+80 TO 80+87	RT	7.00	0004	02
		STA. 82+10 TO 82+19	LT	8.00	0004	02
		STA. 84+24 TO 84+24	RT	8.00	0004	02
		STA. 87+02 TO 87+88	RT	88.00	0004	02
		STA. 88+97 TO 89+06	RT	8.00	0004	02
		STA. 89+32 TO 89+40	RT	8.00	0004	02
		STA. 90+03 TO 90+08	LT	5.00	0004	02
		STA. 90+36 TO 90+43	LT	7.00	0004	02
		STA. 91+83 TO 92+50	RT	68.00	0004	02
		STA. 94+20 TO 94+27	LT	7.00	0004	02
		STA. 94+20 TO 94+30	RT	10.00	0004	02
		STA. 94+52 TO 94+57	LT	5.00	0004	02
		STA. 94+55 TO 94+62	RT	8.00	0004	02
		STA. 98+20 TO 98+24	RT	4.00	0004	02
		STA. 98+45 TO 98+50	RT	8.00	0004	02
VOLUME 3- MENDON ROAD						
		GP 1		15.00	0004	03
		GP 14		24.00	0004	03
		GP 15		19.00	0004	03
		GP 21		19.00	0004	03
		GP 3		38.00	0004	03
		GP 30		19.00	0004	03
		GP 31		62.00	0004	03
		GP 32		52.00	0004	03
		GP 33		175.00	0004	03
		GP 34		40.00	0004	03
		GP 35		29.00	0004	03
		GP 36		19.00	0004	03
		GP 37		28.00	0004	03
		GP 38		90.00	0004	03
		GP 4		15.00	0004	03
		GP 40		71.00	0004	03
		GP 41		53.00	0004	03

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
122	932.0230	Cont.				
		GP 42		38.00	0004	03
		GP 44		81.00	0004	03
		GP 46		48.00	0004	03
		GP 49		52.00	0004	03
		GP 50		52.00	0004	03
		GP 51		61.00	0004	03
		GP 53		19.00	0004	03
		GP 56		5.00	0004	03
		GP 58		38.00	0004	03
		GP 6		29.00	0004	03
		GP 9		10.00	0004	03
Item 932.0230 Total:				3,787.00		
123	935.0400	REMOVING BITUMINOUS PAVEMENT BY	SY			
		MICRO MILLING				
		BROAD STREET				
		STA. 10+86 TO 20+64		7,200.00	0004	02
		STA. 128+70 TO 164+47		15,010.00	0004	02
		STA. 23+34 TO 84+40		27,051.00	0004	02
		STA. 86+63 TO 128+05		17,202.00	0004	02
Item 935.0400 Total:				66,463.00		
S124	935.9901	IMPRINT BRICK PATTERN CROSSWALK	SF			
		BROAD STREET				
		STA. 31+45 TO 31+94 RT		354.00	0004	02
		STA. 47+43 TO 47+81 RT		330.00	0004	02
		STA. 88+93 TO 89+45 RT		349.00	0004	02
		STA. 90+06 TO 90+37 LT		279.00	0004	02
		STA. 90+33 TO 90+55 LT TO RT		360.00	0004	02

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
127	942.0200	Cont.				
		STA. 94+59 RT		8.00	0021	01
		STA. 98+23 RT		8.00	0021	01
		STA. 98+43 RT		8.00	0021	01
		EXCHANGE STREET				
		STA. 200+98 LT		8.00	0021	01
		STA. 201+97 RT		8.00	0021	01
		STA. 202+16 RT		23.00	0021	01
		STA. 202+17 RT		22.00	0021	01
		STA. 202+30 LT		12.00	0021	01
		STA. 202+32 LT		12.00	0021	01
		STA. 202+35 LT		8.00	0021	01
		STA. 203+18 RT		20.00	0021	01
		STA. 203+19 RT		20.00	0021	01
		STA. 203+20 RT		8.00	0021	01
		STA. 203+21 LT		8.00	0021	01
		VOLUME 3- MENDON ROAD				
		EXTRA		12.00	0004	03
		GP 1 (MENDON RD DETAIL)		16.00	0004	03
		GP 35 (LAMBERT AVE DETAIL)		8.00	0004	03
		GP 41 (CADORET DR DETAIL)		8.00	0004	03
		GP 42 (MAPLEWOOD FARM DETAIL)		8.00	0004	03
		GP 46 (HEROUX BLVD DETAIL)		8.00	0004	03
		GP 51 (SHELTER LANE DETAIL)		16.00	0004	03
		GP 53 (SHOPPING CENTER DETAIL)		16.00	0004	03
		GP 56 (BILTMORE AVE DETAIL)		8.00	0004	03
Item 942.0200 Total:				1,761.00		
128	943.0200	TRAINEE MAN-HOURS	MHRS			
		BROAD STREET				
		AS NEEDED		2,000.00	0004	02
Item 943.0200 Total:				2,000.00		

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
129	945.0100	REMOVE AND DISPOSE TRAFFIC SIGNAL	LS			
		EQUIPMENT				
		PROJECT WIDE				
		AS SHOWN ON PLANS		1.00	0021	01
				Item 945.0100 Total:		1.00
130	945.0200	REMOVE AND SALVAGE TRAFFIC SIGNAL	LS			
		EQUIPMENT				
		PROJECT WIDE				
		AS SHOWN ON PLANS		1.00	0021	01
				Item 945.0200 Total:		1.00

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
131	L01.0102	Cont.				
		STA. 95+43 TO 95+74 RT		18.00	0004	02
		STA. 95+84 TO 96+28 RT		16.00	0004	02
		STA. 98+13 TO 98+23 RT		3.00	0004	02
		STA. 98+43 TO 98+55 RT		3.00	0004	02
		STA. 98+50 TO 99+02 RT		38.00	0004	02
		VOLUME 3- MENDON ROAD				
		BEHIND SIDEWALK 830' X 1' / 9		93.00	0004	03
Item L01.0102 Total:				2,391.00		
S132	L02.0102	RESIDENTIAL SEEDING (TYPE 2)	SY			
		BROAD STREET				
		STA. 100+27 TO 100+69 LT		12.00	0004	02
		STA. 100+94 TO 101+25 LT		9.00	0004	02
		STA. 102+41 TO 102+47 RT		3.00	0004	02
		STA. 102+74 TO 102+94 RT		11.00	0004	02
		STA. 103+00 TO 103+47 RT		30.00	0004	02
		STA. 105+89 TO 106+41 RT		16.00	0004	02
		STA. 109+58 TO 109+75 LT		5.00	0004	02
		STA. 11+10 TO 11+70 RT		59.00	0004	02
		STA. 110+00 TO 110+36 LT		10.00	0004	02
		STA. 110+02 TO 110+08 RT		4.00	0004	02
		STA. 110+21 TO 110+28 LT		9.00	0004	02
		STA. 110+62 TO 110+80 LT		5.00	0004	02
		STA. 111+22 TO 111+51 RT		7.00	0004	02
		STA. 111+82 TO 111+94 RT		4.00	0004	02
		STA. 112+86 TO 113+32 RT		16.00	0004	02
		STA. 116+81 TO 117+97 RT		50.00	0004	02
		STA. 118+23 TO 118+34 RT		4.00	0004	02
		STA. 118+53 TO 118+67 RT		6.00	0004	02
		STA. 118+79 TO 118+85 RT		2.00	0004	02
		STA. 118+93 TO 120+00 RT		35.00	0004	02
		STA. 119+63 TO 119+93 RT		9.00	0004	02
		STA. 12+17 TO 12+58 RT		67.00	0004	02

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S132	L02.0102	Cont.				
		STA. 12+59 TO 14+66	LT	58.00	0004	02
		STA. 12+82 TO 13+70	RT	25.00	0004	02

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
S132	L02.0102	Cont.				
		STA. 63+89 TO 64+39 RT		14.00	0004	02
		STA. 64+52 TO 65+14 RT		32.00	0004	02
		STA. 74+99 TO 75+01 LT		2.00	0004	02
		STA. 77+70 TO 78+00 LT		17.00	0004	02
		STA. 80+87 TO 81+28 LT		15.00	0004	02
		STA. 94+12 TO 94+29 RT		5.00	0004	02
		STA. 95+19 TO 95+38 RT		7.00	0004	02
		STA. 95+43 TO 95+74 RT		18.00	0004	02
		STA. 95+84 TO 96+28 RT		16.00	0004	02
		STA. 98+13 TO 98+23 RT		3.00	0004	02
		STA. 98+43 TO 98+55 RT		3.00	0004	02
		STA. 98+50 TO 99+02 RT		38.00	0004	02
		VOLUME 3- MENDON ROAD				
		SEE ITEM L01.0102		93.00	0004	03
Item L02.0102 Total:				2,391.00		
133	L06.0513	WOOD CHIPS FURNISH AND SPREAD 4''	SY			
		DEPTH				
		BROAD STREET				
		STA. 107+62 TO 107+70 LT		5.00	0004	02
		STA. 109+12 TO 109+16 RT		4.00	0004	02
		STA. 115+95 TO 116+52 RT		60.00	0004	02
		STA. 119+34 TO 120+00 LT		21.00	0004	02
		STA. 119+36 TO 119+99 LT		21.00	0004	02
		STA. 124+93 TO 125+10 LT		6.00	0004	02
		STA. 124+94 TO 125+11 RT		6.00	0004	02
		STA. 125+16 TO 125+38 LT		11.00	0004	02
		STA. 126+39 TO 126+46 LT		4.00	0004	02
		STA. 126+50 TO 126+68 LT		11.00	0004	02
		STA. 14+67 TO 14+72 LT		2.00	0004	02
		STA. 147+05 TO 147+28 RT		15.00	0004	02
		STA. 147+45 TO 147+69 RT		8.00	0004	02
		STA. 147+84 TO 148+00 RT		3.00	0004	02

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
133	L06.0513	Cont.				
		STA. 15+07 TO 15+12 LT		2.00	0004	02
		STA. 161+53 TO 162+02 LT		13.00	0004	02

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
217	T20.9901 Cont.	STA. 74+10 TO STA. 74+44 RT		20.00	0021	01
		STA. 76+87 TO STA. 77+21 LT		20.00	0021	01
		STA. 78+80 TO STA. 79+14 RT		20.00	0021	01
		STA. 80+53 TO STA. 80+97 RT		32.00	0021	01
		STA. 82+17 TO STA. 82+51 LT		20.00	0021	01
Item T20.9901 Total:				250.00		
218	T20.9902	EPOXY RESIN PAVEMENT MARKING -	SY			
		BICYCLE LANE, GREEN				
		BROAD STREET				
		STA. 11+75 TO STA. 12+30 LT		91.00	0021	01
		STA. 12+57 TO STA. 13+23 LT		66.00	0021	01
Item T20.9902 Total:				157.00		
219	T20.9903	EPOXY RESIN PAVEMENT MARKING -	EACH			
		BICYCLE TURN BOX				
		BROAD STREET				
		STA. 74+15 LT		1.00	0021	01
		STA. 74+32 RT		1.00	0021	01
Item T20.9903 Total:				2.00		
220	201.0422	REMOVE AND DISPOSE DROP INLET	EACH			
		VOLUME 3- MENDON ROAD				
		SEE ITEM 702.0712		1.00	0004	03
		SEE ITEM 702.0713		16.00	0004	03
Item 201.0422 Total:				17.00		
221	201.0453	REMOVE AND STOCKPILE ON SITE FRAME	EACH			
		GRATES AND COVERS				
		VOLUME 3- MENDON ROAD				
		GP 15		1.00	0004	03
		GP 21		1.00	0004	03
		GP 22		1.00	0004	03

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
221	201.0453	Cont.				
		GP 29		1.00	0004	03
		GP 30		1.00	0004	03
		GP 34		1.00	0004	03
		GP 35		1.00	0004	03
		GP 42		1.00	0004	03
		GP 46		1.00	0004	03
		GP 47		1.00	0004	03
		GP 49		2.00	0004	03
		GP 52		2.00	0004	03
		GP 8		2.00	0004	03
Item 201.0453 Total:				16.00		
222	201.9901	REMOVE AND DISPOSE OF GRATE ONLY	EACH			
		6.3.2G (DGO)				
		VOLUME 3- MENDON ROAD				
		GP 25		9.00	0004	03
		GP 26		6.00	0004	03
		GP 28		1.00	0004	03
Item 201.9901 Total:				16.00		
223	202.0800	GRAVEL BORROW	CY			
		VOLUME 3- MENDON ROAD				
		SEE ITEM 202.0100		134.00	0004	03
Item 202.0800 Total:				134.00		
224	401.3005	CLASS 9.5 HMA FOR MISCELLANEOUS WORK	TON			
		VOLUME 3- MENDON ROAD				
		BACK OF SIDEWALK (150' X 1')/9*.0575*4"		4.00	0004	03
		DROP INLET PAVEMENT (201.04) (16*(9"/12"X1')/9*.0575*4")		5.00	0004	03
Item 401.3005 Total:				9.00		

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
225	410.9901	SEWER MANHOLE PAVEMENT PATCH (SMPP)	EACH			
		VOLUME 3- MENDON ROAD				
		GP 31		1.00	0004	03
		GP 47		2.00	0004	03
		GP 48		2.00	0004	03
		GP 49		2.00	0004	03
		GP 50		2.00	0004	03
		GP 51		1.00	0004	03
		GP 52		1.00	0004	03
				Item 410.9901 Total:		11.00
226	702.0510	HEAVY-DUTY SQUARE FRAME AND ROUND	EACH			
		COVER STANDARD 6.1.1				
		VOLUME 3- MENDON ROAD				
		GP 52		2.00	0004	03
		GP 6		2.00	0004	03
				Item 702.0510 Total:		4.00
227	702.0517	FRAME AND GRATE, STANDARD 6.3.2	EACH			
		VOLUME 3- MENDON ROAD				
		GP 12		3.00	0004	03
		GP 25		7.00	0004	03
		GP 26		4.00	0004	03
		GP 37		2.00	0004	03
		GP 4		1.00	0004	03
		GP 40		4.00	0004	03
		GP 51		2.00	0004	03
		GP 6		1.00	0004	03
				Item 702.0517 Total:		24.00
228	702.0531	PRECAST CONCRETE INLET STONE 38''	EACH			
		STANDARD 7.1.6				
		VOLUME 3- MENDON ROAD				

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
228	702.0531	Cont.				
		GP 3		1.00	0004	03
		GP 30		1.00	0004	03
		GP 31		3.00	0004	03
		GP 32		3.00	0004	03
		GP 33		4.00	0004	03
		GP 34		4.00	0004	03
		GP 35		2.00	0004	03
		GP 36		1.00	0004	03
		GP 37		1.00	0004	03
		GP 38		4.00	0004	03
		GP 40		4.00	0004	03
		GP 41		2.00	0004	03
		GP 42		3.00	0004	03
		GP 44		4.00	0004	03
		GP 46		2.00	0004	03
		GP 49		1.00	0004	03
		GP 50		3.00	0004	03
		GP 51		4.00	0004	03
		GP 56		2.00	0004	03
		GP 58		1.00	0004	03
		GP 9		1.00	0004	03
Item 702.0531 Total:				51.00		
229	702.0532	PRECAST CONCRETE APRON STONE 5'	EACH			
		STANDARD 7.1.7				
		VOLUME 3 - MENDON ROAD				
		GP 37		1.00	0004	03
Item 702.0532 Total:				1.00		
230	702.0533	PRECAST CONCRETE APRON STONE 38''	EACH			
		STANDARD 7.1.8				
		VOLUME 3- MENDON ROAD				
		GP 1		3.00	0004	03

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
230	702.0533	Cont.				
		GP 12		1.00	0004	03
		GP 14		1.00	0004	03
		GP 20		1.00	0004	03
		GP 3		1.00	0004	03
		GP 38		1.00	0004	03
		GP 4		1.00	0004	03
		GP 41		1.00	0004	03
		GP 47		1.00	0004	03
		GP 48		1.00	0004	03
		GP 49		3.00	0004	03
		GP 5		1.00	0004	03
		GP 51		2.00	0004	03
		GP 53		3.00	0004	03
		GP 56		1.00	0004	03
		GP 58		1.00	0004	03
		GP 6		1.00	0004	03
		GP 9		1.00	0004	03
Item 702.0533 Total:				25.00		
231	702.9902	SQUARE GRATE ONLY 6.3.2 (DGO)	EACH			
		VOLUME 3- MENDON ROAD				
		GP 25		9.00	0004	03
		GP 26		6.00	0004	03
		GP 28		1.00	0004	03
Item 702.9902 Total:				16.00		
232	702.9903	CUMBERLAND SANITARY SEWER FRAME	EACH			
		AND COVER				
		VOLUME 3- MENDON ROAD				
		GP 11		1.00	0004	04
		GP 12		1.00	0004	04
		GP 13		3.00	0004	04
		GP 14		2.00	0004	04

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
232	702.9903	Cont.	GP 15	3.00	0004	04
			GP 16	3.00	0004	04
			GP 17	3.00	0004	04
			GP 18	4.00	0004	04
			GP 19	4.00	0004	04
			GP 20	2.00	0004	04
			GP 22	2.00	0004	04
			GP 23	4.00	0004	04
			GP 24	2.00	0004	04
			GP 27	2.00	0004	04
			GP 29	1.00	0004	04
			GP 3	2.00	0004	04
			GP 31	2.00	0004	04
			GP 32	1.00	0004	04
			GP 33	4.00	0004	04
			GP 34	1.00	0004	04
			GP 35	1.00	0004	04
			GP 36	1.00	0004	04
			GP 37	1.00	0004	04
			GP 38	2.00	0004	04
			GP 39	2.00	0004	04
			GP 40	1.00	0004	04
			GP 41	3.00	0004	04
			GP 44	2.00	0004	04
			GP 45	3.00	0004	04
			GP 46	2.00	0004	04
			GP 47	1.00	0004	04
			GP 48	1.00	0004	04
			GP 5	2.00	0004	04
			GP 50	1.00	0004	04
			GP 51	2.00	0004	04
			GP 52	1.00	0004	04
			GP 53	3.00	0004	04

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
232	702.9903	Cont.	GP 6	3.00	0004	04
Item 702.9903 Total:				79.00		
233	704.0300	RECONSTRUCT CATCH BASIN/VERTICAL WALLS	VLF			
		VOLUME 3- MENDON ROAD				
		SEE ITEM 704.9901		55.00	0004	03
		SEE ITEM 704.9902		30.00	0004	03
		SEE ITEM 704.9903		5.00	0004	03
		SEE ITEM 704.9905		4.00	0004	03
		SEE ITEM 704.9906		1.00	0004	03
		SEE ITEM 704.9908		3.00	0004	03
		SEE ITEM 704.9909		2.00	0004	03
Item 704.0300 Total:				100.00		
234	704.0400	RECONSTRUCT MANHOLE/VERTICAL WALLS	VLF			
		VOLUME 3- MENDON ROAD				
		SEE ITEM 704.9904		14.00	0004	03
		SEE ITEM 704.9907		10.00	0004	04
Item 704.0400 Total:				24.00		
235	704.9901	RECONSTRUCT CATCH BASIN TYPE F	EACH			
		VOLUME 3- MENDON ROAD				
		GP 1		4.00	0004	03
		GP 10		4.00	0004	03
		GP 11		1.00	0004	03
		GP 12		3.00	0004	03
		GP 14		4.00	0004	03
		GP 15		4.00	0004	03
		GP 16		2.00	0004	03
		GP 18		1.00	0004	03
		GP 20		2.00	0004	03
		GP 21		1.00	0004	03

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
235	704.9901	Cont.				
		GP 22		1.00	0004	03
		GP 25		3.00	0004	03
		GP 26		2.00	0004	03
		GP 27		3.00	0004	03
		GP 28		1.00	0004	03
		GP 3		1.00	0004	03
		GP 38		1.00	0004	03
		GP 4		2.00	0004	03
		GP 40		1.00	0004	03
		GP 41		2.00	0004	03
		GP 45		1.00	0004	03
		GP 47		1.00	0004	03
		GP 48		2.00	0004	03
		GP 49		2.00	0004	03
		GP 5		4.00	0004	03
		GP 51		5.00	0004	03
		GP 52		3.00	0004	03
		GP 53		3.00	0004	03
		GP 54		1.00	0004	03
		GP 55		1.00	0004	03
		GP 56		1.00	0004	03
		GP 57		3.00	0004	03
		GP 58		1.00	0004	03
		GP 6		5.00	0004	03
		GP 7		5.00	0004	03
		GP 8		3.00	0004	03
		GP 9		1.00	0004	03
Item 704.9901 Total:				85.00		
236	704.9902	RECONSTRUCT CATCH BASIN WITH GUTTER INLET (RCBGI) VOLUME 3- MENDON ROAD	EACH			
		GP 21		1.00	0004	03

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
236	704.9902	Cont.				
		GP 26		1.00	0004	03
		GP 3		1.00	0004	03
		GP 30		1.00	0004	03
		GP 31		2.00	0004	03
		GP 32		3.00	0004	03
		GP 33		4.00	0004	03
		GP 34		4.00	0004	03
		GP 35		2.00	0004	03
		GP 36		1.00	0004	03
		GP 37		1.00	0004	03
		GP 38		4.00	0004	03
		GP 40		1.00	0004	03
		GP 41		2.00	0004	03
		GP 42		3.00	0004	03
		GP 44		4.00	0004	03
		GP 46		2.00	0004	03
		GP 49		1.00	0004	03
		GP 50		2.00	0004	03
		GP 51		5.00	0004	03
		GP 56		2.00	0004	03
		GP 58		1.00	0004	03
		GP 9		1.00	0004	03
Item 704.9902 Total:				49.00		
237	704.9903	RECONSTRUCT DOUBLE CATCH BASIN	EACH			
		(RDCB)				
		VOLUME 3- MENDON ROAD				
		GP 12		1.00	0004	03
		GP 37		1.00	0004	03
Item 704.9903 Total:				2.00		
238	704.9904	RECONSTRUCT MANHOLE	EACH			
		VOLUME 3- MENDON ROAD				

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
238	704.9904	Cont.				
		GP 1		1.00	0004	03
		GP 10		1.00	0004	03
		GP 12		1.00	0004	03
		GP 13		1.00	0004	03
		GP 14		1.00	0004	03
		GP 15		1.00	0004	03
		GP 16		1.00	0004	03
		GP 26		1.00	0004	03
		GP 33		1.00	0004	03
		GP 41		1.00	0004	03
		GP 52		2.00	0004	03
		GP 6		2.00	0004	03
Item 704.9904 Total:				14.00		
239	704.9905	RECONSTRUCT SPECIAL GUTTER INLET	EACH			
		VOLUME 3- MENDON ROAD				
		GP 25		4.00	0004	03
		GP 26		1.00	0004	03
Item 704.9905 Total:				5.00		
240	704.9906	RECONSTRUCT DOUBLE CATCH BASIN -T	EACH			
		(RDCB-T)				
		VOLUME 3- MENDON ROAD				
		GP 11		1.00	0004	03
		GP 55		3.00	0004	03
		GP 57		1.00	0004	03
Item 704.9906 Total:				5.00		
241	704.9907	RECONSTRUCT SANITARY SEWER MANHOLE	EACH			
		VOLUME 3- MENDON ROAD				
		GP 10		1.00	0004	04
		GP 11		4.00	0004	04
		GP 12		2.00	0004	04

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
241	704.9907	Cont.	GP 13	3.00	0004	04
			GP 14	3.00	0004	04
			GP 15	3.00	0004	04
			GP 16	3.00	0004	04
			GP 17	3.00	0004	04
			GP 18	4.00	0004	04
			GP 19	5.00	0004	04
			GP 20	3.00	0004	04
			GP 22	1.00	0004	04
			GP 23	4.00	0004	04
			GP 24	2.00	0004	04
			GP 27	1.00	0004	04
			GP 29	1.00	0004	04
			GP 3	2.00	0004	04
			GP 33	3.00	0004	04
			GP 35	2.00	0004	04
			GP 38	2.00	0004	04
			GP 39	4.00	0004	04
			GP 4	1.00	0004	04
			GP 40	2.00	0004	04
			GP 41	3.00	0004	04
			GP 42	1.00	0004	04
			GP 44	1.00	0004	04
			GP 45	1.00	0004	04
			GP 46	2.00	0004	04
			GP 48	1.00	0004	04
			GP 49	1.00	0004	04
			GP 5	2.00	0004	04
			GP 50	1.00	0004	04
			GP 52	1.00	0004	04
			GP 6	3.00	0004	04
			GP 9	1.00	0004	04
Item 704.9907 Total:				77.00		

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
242	704.9908	RECONSTRUCT CATCH BASIN WITH DOUBLE GUTTER INLET TO SINGLE GUTTER INLET (RCBGI-DS) VOLUME 3- MENDON ROAD GP 40	EACH	3.00	0004	03
Item 704.9908 Total:				3.00		
243	704.9909	RECONSTRUCT CATCH BASIN WITH DOUBLE GUTTER INLET (RCDGI) VOLUME 3- MENDON ROAD GP 31 GP 50	EACH	1.00 1.00	0004 0004	03 03
Item 704.9909 Total:				2.00		
244	707.9902	ADJUST SANITARY MANHOLE (ASMH) VOLUME 3- MENDON ROAD GP 10 GP 12 GP 2 GP 21 GP 22 GP 27 GP 31 GP 32 GP 33 GP 34 GP 36 GP 37 GP 39 GP 44 GP 45 GP 46 GP 47	EACH	1.00 1.00 1.00 1.00 1.00 1.00 2.00 1.00 1.00 1.00 1.00 2.00 1.00 1.00 2.00 2.00 1.00	0004 0004 0004 0004 0004 0004 0004 0004 0004 0004 0004 0004 0004 0004 0004 0004 0004	04 04 04 04 04 04 04 04 04 04 04 04 04 04 04 04 04

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
244	707.9902 Cont.	GP 48		1.00	0004	04
		GP 5		1.00	0004	04
		GP 51		2.00	0004	04
		GP 52		1.00	0004	04
		GP 53		3.00	0004	04
		GP 7		1.00	0004	04
		GP 8		2.00	0004	04
		GP 9		1.00	0004	04
Item 707.9902 Total:				33.00		
245	905.0140	BITUMINOUS SIDEWALK STANDARD 43.2.0 TON				
		VOLUME 3- MENDON ROAD				
		GP 1 (15' X 5') / 9 X .0575		2.00	0004	03
		(TWO LOCATIONS) x 3"				
Item 905.0140 Total:				2.00		
246	906.0211	CEMENT CONCRETE CURB PRECAST	LF			
		CIRCULAR STANDARD 7.1.0				
		VOLUME 3- MENDON ROAD				
		GP 1 MENDON ROAD DETAIL		9.00	0004	03
		GP 35 LAMBERT AVE DETAIL		13.00	0004	03
		GP 41 CADORET DR DETAIL		13.00	0004	03
		GP 42 MAPLEWOOD FARM DETAIL		5.00	0004	03
		GP 46 HEROUX BLVD DETAIL		21.00	0004	03
		GP 51 SHELTER LANE DETAIL		20.00	0004	03
		GP 53 SHOPPING CENTER DETAIL		12.00	0004	03
		GP 56 BILTMORE AVE DETAIL		6.00	0004	03
Item 906.0211 Total:				99.00		
247	906.0212	CEMENT CONCRETE CURB PRECAST 2'	EACH			
		CORNER STANDARD 7.1.4				
		VOLUME 3- MENDON ROAD				
		GP 34		1.00	0004	03

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
247	906.0212	Cont.	GP 41	1.00	0004	03
Item 906.0212 Total:				2.00		
248	906.0221	6' PRECAST CONCRETE TRANSITION	EACH			
		CURB STANDARD 7.1.2				
		VOLUME 3- MENDON ROAD				
		GP 1 (MENDON ROAD DETAIL)		1.00	0004	03
		GP 35 (LAMERT AVE DETAIL)		1.00	0004	03
		GP 41 (CADORET DR DETAIL)		1.00	0004	03
		GP 56 (BILTMORE DETAIL)		1.00	0004	03
Item 906.0221 Total:				4.00		
249	906.0250	PRECAST CONCRETE WHEELCHAIR RAMP	EACH			
		CURB STANDARDS 7.1.3, 43.3.0 AND				
		43.3.1				
		VOLUME 3- MENDON ROAD				
		GP 1 (1 MENDON ROAD DETAIL)		2.00	0004	03
		GP 35 (LAMBERT AVE DETAIL)		1.00	0004	03
		GP 41 CADDORET DR DETAIL)		1.00	0004	03
		GP 42 (MAPLEWOOD FARM DETAIL)		1.00	0004	03
		GP 46 (HEROUX BLVD DETAIL)		1.00	0004	03
		GP 51 (SHELTER LANE DETAIL)		2.00	0004	03
		GP 53 (SHOPPING CENTER DETAIL)		2.00	0004	03
		GP 56 (BILTMORE AVE DETAIL)		2.00	0004	03
Item 906.0250 Total:				12.00		
250	906.0261	PRECAST CONCRETE RAMP STONE	EACH			
		12-INCH CIRCULAR STANDARD 7.1.9				
		VOLUME 3- MENDON ROAD				
		GP 1 (MEDNON RD DETAIL)		1.00	0004	03
		GP 41 (CADORET DR DETAIL)		1.00	0004	03
		GP 46 (HEROUX BLVD DETAIL)		1.00	0004	03

Distribution of Quantities

Project Name - Broad St Regeneration

Estimate Name - Addendum No. 1

R.I. Contract No. - 2019-CH-026

FAP Nos: 3RD-PRTY(254), REV-MEND(001), STP-0114(026), STPG-HSIP(068)

Item No.	Item Code	Description	UM	Qty.	Pay Code	Seq. No.
250	906.0261 Cont.	GP 51 (SHELTER LANE DETAIL)		2.00	0004	03
		GP 53 (SHOPPING CENTER DETAIL)		1.00	0004	03
		GP 56 (BILTMORE AVE DETAIL)		1.00	0004	03
Item 906.0261 Total:				7.00		
251	906.0280	3' PRECAST CONCRETE TRANSITION	EACH			
		CURB STANDARD 7.1.1				
		VOLUME 3- MENDON ROAD				
		GP 15		1.00	0004	03
		GP 53 (SHOPPING DETAIL)		2.00	0004	03
Item 906.0280 Total:				3.00		
252	917.0105	REMOVE AND REPLACE RURAL MAILBOX	EACH			
		POST WITH STANDARD 15.1.0				
		VOLUME 3- MENDON ROAD				
		GP 44		1.00	0004	03
Item 917.0105 Total:				1.00		
253	923.0105	DRUM BARRICADE STANDARD 26.2.0	BDAY			
		VOLUME 3- MENDON ROAD				
		DRAINAGE		3,400.00	0004	03
		SEWER MANHOLES		600.00	0004	04
Item 923.0105 Total:				4,000.00		
254	925.0112	PORTABLE CHANGEABLE MESSAGE SIGN	PDAY			
		VOLUME 3- MENDON ROAD				
		DRAINAGE/SIDEWALK		150.00	0004	03
		SEWER MANHOLES		40.00	0004	04
Item 925.0112 Total:				190.00		

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	RI	2018-CH-045		1	71

INDEX VOLUME 3

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	STANDARD PLAN SYMBOLS & STANDARD LEGEND
3	STANDARD NOTES - 1
4	STANDARD NOTES - 2
5	MICS. DETAILS 1-6
11	SIDEWALK DETAILS 1-2
13	GENERAL PLAN 1-58
71	TRAFFIC CONTROL

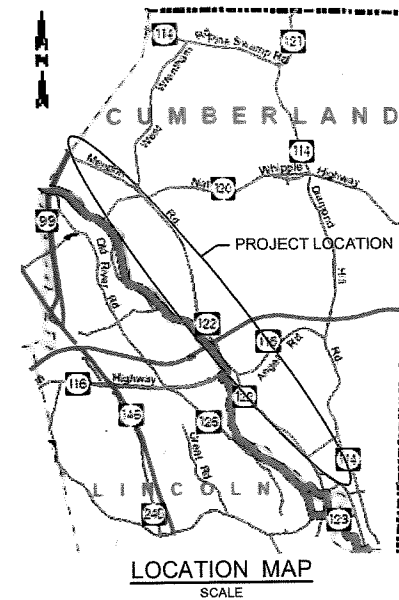
STATE OF RHODE ISLAND



DEPARTMENT OF TRANSPORTATION

PLAN, PROFILE AND SECTIONS OF PROPOSED STATE HIGHWAY

Repairs to Mendon Road Manholes and Catch Basins
Ann and Hope Way to Route 99



6 MILES

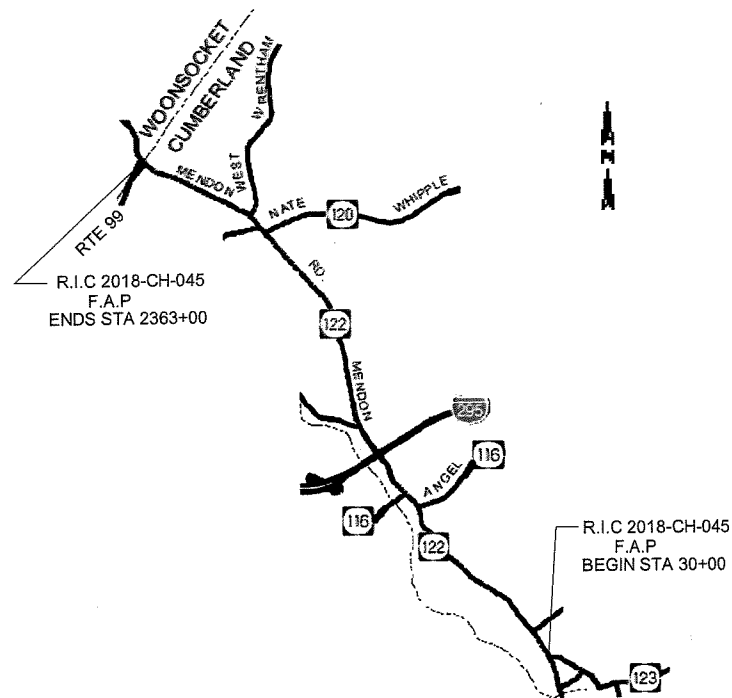
TOWN OF CUMBERLAND

COUNTY OF PROVIDENCE

R.I. CONTRACT NO. 2018-CH-045 R.I. PROJECT NO. 405-421-956 and 3RD-PRTY-254

R.I. STANDARD SPECIFICATIONS AND STANDARD DETAILS

SPECIFICATIONS TO GOVERN THIS PROJECT ARE THE R.I. STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AMENDED AUGUST 2013, WITH ALL REVISIONS AND THE STATE AND FEDERAL SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS. STANDARD DETAILS FOR THIS PROJECT ARE R.I. STANDARD DETAILS, 1998 EDITION, WITH ALL REVISIONS.



LAYOUT PLAN AREA
NOT TO SCALE

SCALES OF DRAWINGS

Plans	1 inch = 20 feet
Profiles	1 inch = 20 feet Horizontal
Profiles	1 inch = 4 feet Vertical
Cross Sections	1 inch = 4 feet Horizontal
Cross Sections	1 inch = 4 feet Vertical

BASE OF LEVELS
NGVD 29

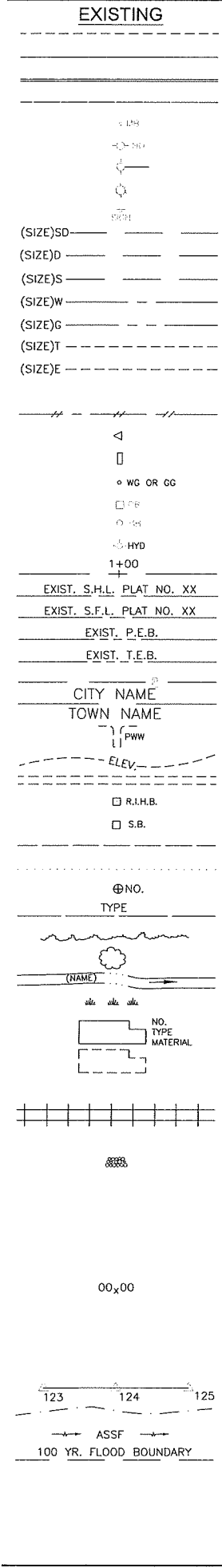
Contract Number 2018-CH-045

Number of Sheet 1

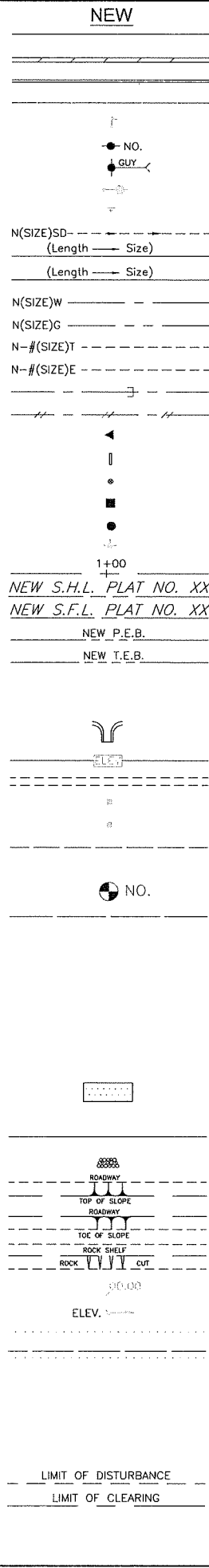
Total Sheets 71

R.I. DEPARTMENT OF TRANSPORTATION	
APPROVED	FONT: ROMANS SIZE: 10
<i>David W. Fish</i>	3-11-19
ADMINISTRATOR, PROJECT MANAGEMENT	DATE
APPROVED	
<i>Robert Roads</i>	3-11-19
CHIEF ENGINEER OF INFRASTRUCTURE	DATE
APPROVED	
<i>[Signature]</i>	3-11-19
DIRECTOR	DATE
DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION	
APPROVED	
<i>N/A</i>	
DIVISION ADMINISTRATOR	DATE

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	RI	2018-CH-045	2018	2	71



EDGE OF PAVEMENT
BERM
CURB
GUARDRAIL
MAILBOX
UTILITY POLE
POLE GUY
LUMINAIRE
SIGN
SUBDRAIN
STORMDRAIN
SANITARY SEWER
WATER MAIN
GAS MAIN
TELEPHONE DUCT
ELECTRIC DUCT
PLUG AND CAP PIPE
ABANDONED UTILITY
FLARED END SECTION
HEADWALL
WATER OR GAS GATE
CATCH BASIN
MANHOLE
HYDRANT
BASELINE OR CENTERLINE
STATE HIGHWAY LINE
STATE FREEWAY LINE
PERMANENT EASEMENT LINE
TEMPORARY EASEMENT LINE
PROPERTY LINE
CITY OR TOWN LINE
PAVED WATERWAY
CONTOUR LINE
OPEN DITCH
R.I. HIGHWAY BOUND
STONE BOUND
RETAINING WALL
FIELD STONE WALL
BORINGS
FENCE
WOOD OR BRUSH LINE
TREES
RIVER OR STREAM
WETLAND AREA
BUILDING
FOUNDATION
BUILDING TO BE REMOVED
RAILROAD TRACKS
CUT AND MATCH
RIP-RAP
CUT SLOPE
FILL SLOPE
ROCK CUT
SPOT GRADE
AREA GRADED TO DRAIN
BALED HAY RI STD 9.1.0
BALED HAY & SILT FENCE RI STD. 9.3.0
EDGE OF WETLAND
WETLAND PERIMETER
AREA SUBJECT TO STORM FLOW
100-YEAR FLOOD PLAIN
LIMIT OF DISTURBANCE
LIMIT OF CLEARING



1.1.0 UNDERDRAIN
1.3.0 CONCRETE CONNECTING COLLAR
2.1.0 CONCRETE HEADWALLS FOR PIPE CULVERTS
2.2.0 STANDARD HEADWALLS FOR MULTIPLE 3'-6" TO 7'-0" PIPE CULVERTS
2.3.0 (DIA.) PRECAST CONCRETE FLARED END SECTION
3.2.0 BRICK/SOLID BLOCK 4'-0" ROUND MANHOLE
3.2.1 (DIA.) BRICK/SOLID BLOCK 5'-0" OR 6'-0" ROUND MANHOLE
3.3.0 BRICK/SOLID BLOCK TYPE "D" SQUARE CATCH BASIN
3.3.2 BRICK/SOLID BLOCK TYPE "F" SQUARE CATCH BASIN
3.3.3 SOLID BLOCK FLUSH SQUARE CATCH BASIN
3.4.0 BRICK/SOLID BLOCK TYPE "D" ROUND CATCH BASIN
3.4.1 BRICK/SOLID BLOCK ROUND CATCH BASIN WITH GUTTER INLET
3.4.2 BRICK/SOLID BLOCK TYPE "F" ROUND CATCH BASIN
3.4.3 BRICK/SOLID BLOCK TYPE "R" CATCH BASIN
3.4.4 SOLID BLOCK FLUSH ROUND CATCH BASIN
3.4.5 (DIA.) BRICK/SOLID BLOCK 5'-0" OR 6'-0" ROUND CATCH BASIN
3.5.0 SOLID BLOCK SHALLOW TYPE "F" SQUARE CATCH BASIN
3.5.1 (SIZE) SOLID BLOCK SHALLOW 5'-0" OR 6'-0" SQUARE CATCH BASIN
3.6.0 BRICK/SOLID BLOCK DROP INLET
3.7.0 (DIA.) BRICK/SOLID BLOCK ROUND MANHOLE OR CATCH BASIN GREATER THAN 12'-0"
4.2.0 PRECAST 4'-0" ROUND MANHOLE
4.2.1 PRECAST 5'-0" ROUND MANHOLE
4.2.2 PRECAST 6'-0" ROUND MANHOLE
4.3.0 (SIZE) PRECAST 4'-0" OR 6'-0" SQUARE MANHOLE OR CATCH BASIN
4.4.0 (DIA.) PRECAST 4'-0", 5'-0", OR 6'-0" ROUND CATCH BASIN
4.5.0 PRECAST CONCRETE DROP INLET
4.5.1 PRECAST CONCRETE DROP INLET LATERAL OUTLET
4.5.2 PRECAST CONCRETE DROP INLET LONGITUDINAL OUTLET
5.3.0 CATCH BASIN AND MANHOLE STEP
5.4.0 CONCRETE COLLARS
6.1.0 LIGHT-DUTY SQUARE FRAME AND ROUND COVER
6.1.1 HEAVY DUTY SQUARE FRAME AND ROUND COVER
6.2.0 LIGHT-DUTY ROUND FRAME AND COVER
6.2.1 HEAVY-DUTY ROUND FRAME AND COVER
6.3.0 SQUARE FRAME AND GRATE
6.3.1 SQUARE FRAME AND GRATE
6.3.2 SQUARE FRAME AND GRATE (BICYCLE SAFE)
6.3.3 HIGH CAPACITY FRAME AND GRATE
6.3.4 HIGH CAPACITY FRAME AND GRATE (BICYCLE SAFE)
6.4.0 ROUND FRAME AND GRATE
7.1.0S PRECAST CONCRETE CURB (STRAIGHT)
7.1.0C PRECAST CONCRETE CURB (CIRCULAR)
7.1.1 3'-0" PRECAST CONCRETE TRANSITION CURB
7.1.2 6'-0" PRECAST CONCRETE TRANSITION CURB
7.1.4 PRECAST 2'-0" RADIUS CORNER
7.1.5 PRECAST CONCRETE INLET STONE (FOR SQUARE CATCH BASIN)
7.1.6 PRECAST CONCRETE INLET STONE (FOR ROUND CATCH BASIN)
7.1.7 PRECAST CONCRETE APRON STONE (FOR SQUARE CATCH BASIN)
7.1.8 PRECAST CONCRETE APRON STONE (FOR ROUND CATCH BASIN)
7.2.0S PRECAST CONCRETE SLOPED FACE CURB (STRAIGHT)
7.2.0C PRECAST CONCRETE SLOPED FACE CURB (CIRCULAR)
7.2.1 PRECAST CONCRETE SLOPED FACE TRANSITION CURB
7.2.2 PRECAST CONCRETE TRANSITION CURB (VERTICAL FACE TO SLOPED FACE)
7.3.0S GRANITE CURB (STRAIGHT)
7.3.0C GRANITE CURB (CIRCULAR)
7.3.1 3'-0" GRANITE TRANSITION CURB
7.3.2 6'-0" GRANITE TRANSITION CURB
7.3.3 GRANITE WHEELCHAIR RAMP TRANSITION CURB
7.3.4 GRANITE 2'-0" RADIUS CORNER
7.3.5 GRANITE INLET STONE (FOR SQUARE CATCH BASIN)
7.3.6 GRANITE INLET STONE (FOR ROUND CATCH BASIN)
7.3.7 GRANITE APRON STONE (FOR SQUARE CATCH BASIN)
7.3.8 GRANITE APRON STONE (FOR ROUND CATCH BASIN)
7.4.0 GRANITE SLOPED FACE CURB
7.4.1 GRANITE SLOPED FACE TRANSITION CURB

7.4.2 GRANITE TRANSITION CURB (VERTICAL FACE TO SLOPE FACE)
7.5.0 BITUMINOUS CONCRETE LIP CURB
7.5.1A BITUMINOUS BERM (CONSTRUCTION METHOD A)
7.5.1B BITUMINOUS BERM (CONSTRUCTION METHOD B)
7.6.0 CURB SETTING DETAIL
8.2.0 BITUMINOUS CONCRETE DITCH
8.3.0 RIP-RAP DITCH
8.4.0 PAVED WATERWAY
9.1.0 BALED HAY EROSION CHECK
9.2.0 SILT FENCE DETAIL
9.3.0 BALED HAY DITCH EROSION CHECK AND SILT FENCE COMBINED
9.4.0 BALED HAY DITCH AND SWALE EROSION CHECK
9.5.0 LOG AND HAY CHECK DAM
9.7.0 DEWATERING BASIN
9.8.0 BALED HAY CATCH BASIN INLET PROTECTION
9.9.0 CONSTRUCTION ACCESS
10.1.0 WET STONE MASONRY RETAINING WALL
10.2.0 RUBBLE MASONRY WALL
10.3.0 CONCRETE RETAINING WALL
10.4.0 STONE MASONRY STEPS
14.1.0 CONCRETE HIGHWAY BOUND
15.1.0 POST AND MOUNTINGS FOR RURAL MAILBOX
15.2.0 (NO.) POST AND MULTIPLE MOUNTINGS FOR RURAL MAILBOXES
18.2.0 PRECAST TYPE "A" HANDHOLE
18.2.2 HEAVY DUTY TYPE "H" HANDHOLE
18.3.0 ALUMINUM LIGHTING STANDARDS
20.2.0 BI-DIRECTIONAL CONTROL DEVICE
24.6.1 STREET SIGN MOUNTING DETAIL
26.2.0 POLYETHYLENE DRUM WITH MARKINGS
26.3.0 PVC PLASTIC PIPE TYPE III BARRICADE
31.1.0 CHAIN LINK FENCE 3'-0" TO 4'-0"
31.2.0 CHAIN LINK FENCE 5'-0" TO 6'-0"
31.2.1 CHAIN LINK FENCE 5'-0" TO 6'-0" INTERMEDIATE POST
31.3.0 WOVEN WIRE RIGHT-OF-WAY FENCE (STEEL POST)
34.1.0 TYPICAL GUARDRAIL INSTALLATION
34.2.0 STEEL BEAM GUARDRAIL
34.2.1 STEEL BEAM GUARDRAIL DETAILS
34.2.2 STEEL BEAM GUARDRAIL DOUBLE FACED ASSEMBLY
34.2.3 STEEL BEAM GUARDRAIL FIXTURES
34.2.5 STEEL BEAM GUARDRAIL REFLECTORIZED TRIANGULAR DELINEATOR
34.3.1 GUARDRAIL END SECTION
34.3.2 TERMINAL END SECTION (SINGLE FACE)
34.3.3 ANCHORAGE DETAILS APPROACH END SECTION
34.3.4 ANCHORAGE DETAILS TRAILING END SECTION
34.4.0 STEEL BACKED TIMBER GUARDRAIL
34.4.1 STEEL BACKED TIMBER GUARDRAIL TERMINAL SECTION-TYPE 1
40.1.0 DOUBLE-FACED PRECAST MEDIAN BARRIER
40.2.0 SINGLE-FACED PRECAST MEDIAN BARRIER
40.2.1 SINGLE-FACED PRECAST MEDIAN BARRIER
40.3.0 PRECAST MEDIAN BARRIER TRANSITION UNIT
40.5.0 PRECAST MEDIAN BARRIER FOR TEMPORARY TRAFFIC CONTROL
43.1.0 CEMENT CONCRETE SIDEWALK
43.2.0 BITUMINOUS CONCRETE SIDEWALK
43.3.0 WHEELCHAIR RAMP
43.3.1 WHEELCHAIR RAMP FOR LIMITED RIGHT-OF-WAY AREAS
43.4.0 DRIVEWAY DEVELOPMENT FOR 3'-0" TRANSITION CURB
43.4.1 DRIVEWAY DEVELOPMENT FOR 6'-0" TRANSITION CURB
43.5.0 CEMENT CONCRETE DRIVEWAYS
48.1.0 DETECTABLE WARNING SYSTEM
51.1.0 TREE PROTECTION DEVICE
51.1.1 DRIP LINE TREE PROTECTION DEVICE FOR EXISTING TREES
51.2.0 SHRUB PROTECTION DEVICE
51.3.0 TREE WELL
51.4.0 TREE WALL

AB ADJUST CATCH BASIN TO GRADE
ABM ADJUST CATCH BASIN TO MANHOLE
AC ADJUST CURB STOP TO GRADE
AD ADJUST DRAINAGE MANHOLE TO GRADE
AE ADJUST ELECTRIC MANHOLE TO GRADE
AFC ADJUST FRAME AND COVER TO GRADE
AFC ADJUST FRAME AND GRATE TO GRADE
AG ADJUST GAS GATE BOX TO GRADE
AHH ADJUST HANDHOLE TO GRADE
AS ADJUST SANITARY SEWER MANHOLE TO GRADE
AT ADJUST TELEPHONE MANHOLE TO GRADE
AW ADJUST WATER GATE BOX TO GRADE
BCD BITUMINOUS CONCRETE DRIVEWAY
3" BITUMINOUS CONCRETE TYPE I-2
8" GRAVEL BORROW SUBBASE COURSE
BPS BUILD NEW STRUCTURE OVER EXISTING PIPE
CCB CLEAN CATCH BASIN
CCP CUT AND CAP PIPE WITH RESTRAINT (ALL SIZES)
CFP CLEAN AND FLUSH PIPE
CG CLEARING AND GRUBBING
CMH CLEAN MANHOLE
CP (DEPTH) COLD PLANE
CPP CUT AND PLUG PIPE (ALL TYPES, ALL SIZES)
DB REMOVE AND DISPOSE BITUMINOUS CURB
DC REMOVE AND DISPOSE CONCRETE CURB
DCB REMOVE AND DISPOSE CATCH BASIN
DDI REMOVE AND DISPOSE DROP INLET
DF REMOVE AND DISPOSE FENCE
DFC REMOVE AND DISPOSE FRAME AND COVER
DFE REMOVE AND DISPOSE FLARED END SECTION
DFG REMOVE AND DISPOSE FRAME AND GRATE
DFH REMOVE AND DISPOSE FIRE HYDRANT
DFP REMOVE AND DISPOSE FLEXIBLE PAVEMENT
DG REMOVE AND DISPOSE GUARDRAIL
DH REMOVE AND DISPOSE HEADWALL
DHB REMOVE AND DISPOSE HIGHWAY BOUND
DHH REMOVE AND DISPOSE HANDHOLE
DL REMOVE AND DISPOSE LIGHT AND FOUNDATION
DMB REMOVE AND DISPOSE MEDIAN BARRIER
DMH REMOVE AND DISPOSE MANHOLE
DMM REMOVE AND DISPOSE MEDIAN MARKER
DOW REMOVE AND DISPOSE OBSERVATION WELL
DP REMOVE AND DISPOSE PIPE
DPB REMOVE AND DISPOSE PAVEMENT AND RIGID BASE
DRB REMOVE AND DISPOSE RIGID BASE
DS REMOVE AND DISPOSE SIGN
DSS REMOVE AND DISPOSE TRAFFIC SIGNAL SYSTEM
DSW REMOVE AND DISPOSE SIDEWALK
DTD REMOVE AND DISPOSE TELEPHONE DUCT BANKS
DUP REMOVE AND DISPOSE UTILITY POLE
DWW REMOVE AND DISPOSE PAVED WATERWAY
FF FILTER FABRIC RIPRAP FLARED END UNDERLAYMENT
GET FLARED GUARDRAIL END TREATMENT
IA IMPACT ATTENUATOR
IDL IMPERVIOUS DITCH LINER
LOD LIMIT OF DISTURBANCE
LOR LIMIT OF REGRADING
LS 4" LOAM AND SEED

NFH	NEW FIRE HYDRANT WITH GATE VALVE
NIC	NOT IN THIS CONSTRUCTION CONTRACT
NWB	FURNISH AND INSTALL NEW WATER GATE VALVE BOX
NWVB	FURNISH AND INSTALL NEW WATER GATE VALVE AND BOX
NWCB	FURNISH AND INSTALL NEW WATER CURB STOP BOX
NWSB	FURNISH AND INSTALL NEW WATER CURB STOP AND BOX
PCD	PERMANENT CHECK DAM
PS	4" PLANTABLE SOIL AND SEED
RCB	RECONSTRUCT TYPE "D" CATCH BASIN, TO CATCH BASIN WITH GUTTER INLET
RCM	R.I.D.O.T. COMMUNICATIONS MANHOLE
RHH	REMOVE, HANDLE, HAUL, TRIM, RESET CURB EDGING, STRAIGHT, CIRCULAR (ALL TYPES)
RLP	RELOCATE LAMP POST
RMB	RELOCATE MAILBOX (BY OTHERS)
RPM	REMOVE PAVEMENT MARKINGS
RRP	RIP-RAP PAD (SEE DETAIL)
RRS	REMOVE AND RELOCATE SIGN
RUP	RELOCATE UTILITY POLE (BY OTHERS)
SB	STONE BAFFLE
SBAE	STEEL BEAM BRIDGE CONNECTION APPROACH END (W/O NESTED RAIL)
SBTE	STEEL BEAM BRIDGE CONNECTION TRAILING END (W/NESTED RAIL)
SD-	STRUCTURAL DISPOSITION - SEE CS PAGES OF SPECIFICATION
SF	REMOVE AND STOCKPILE FENCE
SGA	SPECIAL GRADED AGGREGATE
SGC	REMOVE AND STOCKPILE GRANITE CURB
SGR	REMOVE AND STOCKPILE GUARDRAIL
SH	REMOVE AND STOCKPILE HYDRANT
SS	REMOVE AND STOCKPILE SIGN
STS	REMOVE AND STOCKPILE TRAFFIC SIGNAL SYSTEM
TB	CONCRETE THRU BLOCK
TEP	TIE EXISTING PIPE INTO NEW STRUCTURE
TNP	TIE NEW PIPE INTO EXISTING STRUCTURE
TBT	THREE BEAM TRANSITION
TBBC	THREE BEAM BRIDGE CONNECTION
TT	TREE TRIMMING
WCM	4" WOOD CHIP MULCH
4DY	4" EPOXY RESIN PAVEMENT MARKINGS - DOUBLE YELLOW
6W	6" EPOXY RESIN PAVEMENT MARKINGS - WHITE
12W	12" EPOXY RESIN PAVEMENT MARKINGS - WHITE
6WT	6" PREFORMED PATTERNED MARKING (HIGH PERFORMANCE TAPE)
4Y	4" EPOXY RESIN PAVEMENT MARKINGS - YELLOW
6Y	6" EPOXY RESIN PAVEMENT MARKINGS - YELLOW
P.G.L.	PROFILE GRADE LINE

THIS PLAN SHALL NOT BE ALTERED

REVISIONS		
NO.	DATE	BY
1	6/07	TRB

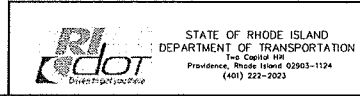
**RHODE ISLAND
DEPARTMENT OF TRANSPORTATION**

**Repairs to Mendon Road
Manholes and Catch Basins**

CUMBERLAND RI

**STANDARD PLAN SYMBOLS &
STANDARD LEGEND**

CHECKED BY _____ DATE _____ SCALE NO SCALE



FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	RI	2018-CH-045	RI	3	71

GENERAL NOTES:

- ANY DAMAGE TO EXISTING PAVEMENT, BRIDGES, CONDUIT, SIDEWALK, FENCES, ETC., CAUSED BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE STATE.
- THE CONTRACTOR SHALL PLACE ALL EQUIPMENT AND MATERIAL AS FAR AWAY AS POSSIBLE FROM THE EDGE OF THE TRAVEL LANE SO AS NOT TO CAUSE A SAFETY HAZARD, IN ACCORDANCE WITH SECTION 106.06 OF THE R.I.D.O.T. STANDARD SPECIFICATION, LATEST EDITION.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE EXISTING CONDITIONS ARE NOT OBLITERATED BEFORE CONTROL POINTS ARE LOCATED AND CONSTRUCTION LAYOUT IS ESTABLISHED. THE CONSTRUCTION LAYOUT SHALL BE PROVIDED IN SUFFICIENT DETAIL, THEREBY ENABLING HIM TO CONSTRUCT THE PROJECT IN CONFORMITY WITH THE PLANS AND SPECIFICATIONS. SURVEY WILL BE PROVIDED BY THE CONTRACTOR. THE RESIDENT ENGINEER WILL NOT AUTHORIZE CONSTRUCTION ACTIVITIES TO BEGIN UNTIL HE IS SATISFIED THAT ALL GROUND CONTROL HAS BEEN ESTABLISHED, TIED DOWN, AND DULY RECORDED IN STANDARD FIELD BOOKS.
- ALL R.I. STD. 9.9.0 CONSTRUCTION ACCESS ROADS SHALL BE CONSTRUCTED PRIOR TO ANY ROADWAY ACCEPTING CONSTRUCTION TRAFFIC.
- THE FREQUENCY AND APPLICATION RATES FOR THE DUST CONTROL ITEMS WILL BE AS DIRECTED BY THE ENGINEER.
- ALL SIDEWALK AND DRIVEWAYS DESIGNATED FOR REPLACEMENT SHALL BE CUT AND MATCHED AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- ASPHALT EMULSION TACK COAT SHALL BE PLACED PRIOR TO PAVEMENT PLACEMENT ON THE CONCRETE BASE OR COLD PLANNED PAVEMENT, AND ON ANY NEW COURSE WHICH HAS BEEN OPEN TO TRAFFIC, OR ANY NEW COURSE WHICH HAS BEEN EXPOSED FOR MORE THAN 3 DAYS, AND/OR AS DIRECTED BY THE ENGINEER. IT SHALL ALSO BE APPLIED TO VERTICAL PAVEMENT FACES BETWEEN ADJOINING PAVEMENT SECTIONS. ALL APPLICATIONS ON BOTH HORIZONTAL AND VERTICAL SURFACES SHALL BE PAID FOR UNDER THE CONTRACT UNIT BID PRICE FOR CODE 403.0300 "ASPHALT EMULSION TACK COAT."
- THE LIMITS OF CLEARING AND SURFACE DISTURBANCE MUST BE STRICTLY ADHERED TO IN ALL AREAS. IN ADDITION TO THOSE AREAS SPECIFICALLY DESIGNATED ON THE PLANS, THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND PLACING, AT HIS OWN EXPENSE, PLANTABLE SOIL AND SEED IN AREAS WHICH ARE OUTSIDE OF THE PROJECT'S AREAS OF DISTURBANCE AND WHICH ARE IMPACTED BY CONSTRUCTION OPERATIONS INCLUDING THOSE AREAS WHERE VEHICLES, EQUIPMENT AND MATERIALS ARE STORED WITH THE PERMISSION OF THE ENGINEER.
- UNDER NO CIRCUMSTANCE WILL THE CONTRACTOR BE ALLOWED TO STOCKPILE REMOVED PAVEMENT MATERIALS WITHIN THE PROJECT LIMITS.
- CLEANING AND SWEEPING OF PAVEMENT WILL INCLUDE REMOVAL OF ALL PAVEMENT DEBRIS PRIOR TO THE PLACEMENT OF EACH BITUMINOUS PAVEMENT LIFT. ALL CLEANING AND SWEEPING SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER.
- PRIOR TO INSTALLATION, ALL SIGNS, MOUNTINGS AND LOCATIONS SHALL BE APPROVED OR MODIFIED BY THE ENGINEER.
- THE COORDINATE SYSTEM, IF SHOWN, IS THE RHODE ISLAND STATE PLANE COORDINATE SYSTEM.
- PAVEMENT OPERATIONS FOR CURBED SECTIONS: IN AREAS WHERE CURBING IS SET TO FINISH LINE AND GRADE, THE CONTRACTOR WILL NOT BE REQUIRED TO UTILIZE THE SENSOR AND SKY-TYPE DEVICE FOR AUTOMATIC GRADE CONTROL, BUT WILL BE ALLOWED TO MANUALLY ADJUST THE BITUMINOUS PAVER FOR CONTROLLING GRADE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ROADWAYS FREE OF DEBRIS RESULTING FROM THEIR CONSTRUCTION OPERATIONS. ALL DEBRIS SHALL BE REMOVED TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST TO THE STATE.
- NO FUEL STORAGE, VEHICLE REFUELING, OR EQUIPMENT STORAGE SHALL TAKE PLACE IN DESIGNATED WETLANDS, NOR WITHIN 100' OF ANY WATER BODY. THIS REQUIREMENT SHALL NOT SUPERSEDE ANY FEDERAL, STATE OR LOCAL LAW, ORDINANCE, RULE OR REGULATION THAT APPLIES TO THE SAME, UNLESS THIS REQUIREMENT IS MORE STRINGENT THAN SAID LAW, ORDINANCE, RULE OR REGULATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT AT THE END OF FINAL PAVING OPERATIONS, FLOW TO EXISTING DRAINAGE STRUCTURES HAS BEEN REESTABLISHED AND THAT NO ISOLATED DEPRESSIONS REMAIN. THERE SHALL BE NO SEPARATE PAYMENT FOR THIS PROVISION; IT SHALL BE CONSIDERED INCIDENTAL TO PAVING AND COLD PLANING OPERATIONS.
- ALL EMBANKMENTS SHALL BE PLACED IN HORIZONTAL LAYERS NOT EXCEEDING 12" (AFTER COMPACTION) AND SHALL BE COMPACTED AS SPECIFIED BEFORE THE NEXT LAYER IS PLACED. ALSO, EMBANKMENT CONSTRUCTION SHALL CONFORM TO SECTION 202.03.2 OF THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
- IF THIS PROJECT IS ON A HURRICANE EVACUATION AND DIVERSIONARY ROUTE, AS DESIGNATED ON THE COVERSHEET, THE CONTRACTOR IS ADVISED THAT UPON 12 (TWELVE) HOURS NOTICE THE ROADWAY SHALL BE OPEN TO EVACUEES AND EMERGENCY PERSONNEL. ANY EXTRA WORK NECESSARY TO COMPLY WITH THIS REQUIREMENT WILL BE REIMBURSED UNDER FORCE ACCOUNT PROCEDURES.
- THE CONTRACTOR SHALL READ, BECOME FAMILIAR WITH, AND ADHERE TO ALL OF THE PROVISIONS, CONDITIONS, AND STIPULATIONS STATED IN THE ENVIRONMENTAL APPROVALS ISSUED FOR THE PROJECT FROM THE DEPARTMENT OF ENVIRONMENTAL MANAGEMENT (RIDEM), AND/OR THE ARMY CORPS OF ENGINEERS (ACOE), AND/OR THE COASTAL RESOURCES MANAGEMENT COUNCIL (CRMC). COPIES OF EACH OF THESE PERMITS ARE INCLUDED IN THE CS PAGES OF THE CONTRACT DOCUMENTS. ALL COSTS ASSOCIATED WITH THESE CONDITIONS SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION AND INCLUDED WITH THE COST FOR THE ASSOCIATED BID ITEM(S).
- FOR ALL PROJECTS INVOLVING KNOWN SITE REMEDIATION ISSUES, THE CONTRACTOR SHALL READ, BECOME FAMILIAR WITH, AND ADHERE TO ALL OF THE CONSTRUCTION RELATED PROVISIONS, CONDITIONS, AND STIPULATIONS OF ANY REMEDIAL PLANS DEVELOPED FOR THE PROJECT. COPIES OF THESE DOCUMENTS ARE INCLUDED IN THE CS PAGES OF THE CONTRACT DOCUMENTS. ALL COSTS ASSOCIATED WITH COMPLIANCE WITH THESE DOCUMENTS SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION AND INCLUDED WITH THE COST FOR THE ASSOCIATED BID ITEM(S).
- NO UNPROTECTED CONSTRUCTED FEATURE MAY PROJECT MORE THAN 4 INCHES ABOVE THE FINISHED GRADE OF A TRAVERSABLE SLOPE IN A CLEAR ZONE, e.g. HEADWALL, DRAINAGE INLET, ETC.
- THE REMAINING SECTION OR STUB OF A BREAKAWAY BASE MAY NOT PROJECT MORE THAN 4 INCHES ABOVE THE FINISHED GRADE OF A TRAVERSABLE SLOPE IN A CLEAR ZONE, e.g. SIGN POSTS, LIGHT POLES, FIRE HYDRANTS, ETC.

DRAINAGE AND EROSION CONTROL NOTES:

- FOR ALL PROJECTS WITH AT LEAST ONE(1) ACRE OF SOIL DISTURBANCE. R.I.D.O.T. IS REQUIRED TO DEVELOP AND ENFORCE A SITE SPECIFIC STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IN ORDER TO REMAIN IN COMPLIANCE WITH THE RPDES GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL READ, BECOME FAMILIAR WITH, AND ADHERE TO ALL OF THE PROVISIONS, CONDITIONS, AND STIPULATIONS OF THE GENERAL PERMIT AND THE SITE SPECIFIC SWPPP FOR THIS PROJECT. COPIES OF THESE DOCUMENTS ARE INCLUDED IN THE CS PAGES OF THE CONTRACT DOCUMENTS. ALL COSTS ASSOCIATED WITH ADHERENCE TO THE SWPPP SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION AND INCLUDED WITH THE COST FOR THE ASSOCIATED BID ITEM(S).
- NO UNDISTURBED AREAS SHALL BE CLEARED OF EXISTING VEGETATION AFTER OCTOBER 15 OF ANY CALENDAR YEAR OR DURING ANY PERIOD OF FULL OR LIMITED WINTER SHUTDOWN. ALL DISTURBED SOILS EXPOSED PRIOR TO OCTOBER 15 OF ANY CALENDAR YEAR SHALL BE SEEDED OR PROTECTED BY THAT DATE. ANY SUCH AREAS THAT DO NOT HAVE ADEQUATE VEGETATIVE STABILIZATION, AS DETERMINED BY THE RESIDENT ENGINEER OR ENVIRONMENTAL INSPECTOR, BY NOVEMBER 15 OF ANY CALENDAR YEAR, MUST BE STABILIZED THROUGH THE USE OF EROSION CONTROL MATTING OR HAY MULCH, IN ACCORDANCE WITH SPECIFICATIONS CONTAINED WITHIN THE R.I. SOIL EROSION AND SEDIMENT CONTROL HANDBOOK. IF WORK CONTINUES WITHIN ANY OF THESE AREAS DURING THE PERIOD FROM OCTOBER 15 THROUGH APRIL 15, CARE MUST BE TAKEN TO ENSURE THAT ONLY THE AREA REQUIRED FOR THAT DAY'S WORK IS EXPOSED, AND ALL ERODIBLE SOIL MUST BE REESTABLISHED WITHIN 5 WORKING DAYS. ANY WORK TO CORRECT PROBLEMS RESULTING FROM FAILURE TO COMPLY WITH THIS PROVISION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THERE WILL BE NO SEPARATE PAYMENT FOR THIS PROVISION, IT SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION OPERATIONS. STABILIZATION OF ONE FORM OR ANOTHER AS DESCRIBED ABOVE SHALL BE ACHIEVED WITHIN 2 WEEKS OF FINAL GRADING.
- STOCKPILES OF MATERIAL SHALL NOT BE LOCATED WITHIN REGULATED WETLANDS OR BUFFER ZONE AREAS. THEY SHALL HAVE SIDE SLOPES NO GREATER THAN 30% AND STOCKPILES OF ERODABLE MATERIAL SHALL ALSO BE SEEDED AND RINGED WITH R.I. STD. 9.1.0 TO STABILIZE.
- IF THE PLANS INCLUDE SPECIFIC AREAS FOR PLACEMENT OF CONSTRUCTION DEWATERING BASINS AND/OR EQUIPMENT AND MATERIALS STORAGE AND STOCKPILING, AND IF THE CONTRACTOR ELECTS TO UTILIZE ANY OTHER AREAS FOR THESE PURPOSES, THIS SHALL BE APPROVED BY THE ENGINEER ONLY AFTER OBTAINING ANY NECESSARY PERMITS AND/OR PERMIT MODIFICATIONS FROM THE APPROPRIATE REGULATORY AUTHORITY(IES). ANY PERMITTING REQUIREMENTS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE ACCOMPLISHED AT NO COST TO THE STATE. THE ENGINEER WILL COORDINATE SUBMISSION OF ANY REQUIRED PERMIT APPLICATION MATERIALS WITH THE R.I.D.O.T. OFFICE OF ENVIRONMENTAL PROGRAMS.
- JUTE MESH SHALL BE USED TO STABILIZE PLANTABLE SOIL AND/OR LOAM IN ALL DITCHES, ON ALL SLOPES ADJACENT TO WETLANDS AND WETLAND PERIMETERS, AND ON ALL SLOPES WITHIN WATER QUALITY BASINS. JUTE MESH IN DITCHES SHALL EXTEND TO AN ELEVATION 2 FEET ABOVE THE BOTTOM OF THE DITCH.
- SEEDING ON ALL SLOPES 3 TO 1 OR STEEPER SHALL CONSIST OF THE FOLLOWING APPLICATIONS UNLESS CHANGED IN THE CONTRACT.
 - SEEDING TYPE I.
 - ADHESIVE MULCH STABILIZER
- UNVEGETATED SLOPES SHALL NOT BE UNATTENDED OR EXPOSED FOR PERIODS IN EXCESS OF 2 WEEKS OR THROUGH THE INACTIVE WINTER SEASON.
- PRIOR TO DRAINAGE AND UTILITY CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION (HORIZONTAL AND VERTICAL) OF ALL EXISTING PIPES AND/OR STRUCTURES WHICH ARE TO BE CONNECTED. ANY VARIATION FOUND FROM THE PLANS MUST BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO DRAINAGE AND UTILITY CONSTRUCTION. WORK CAN COMMENCE ONLY UPON THE ENGINEER'S AUTHORIZATION.
- ALL DRAINAGE AND UTILITY STRUCTURES WITHIN THE PAVED ROADWAY SHALL BE ADJUSTED TO GRADE WITH THE SURROUNDING PAVEMENT PRIOR TO THE WINTER SHUTDOWN.
- DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING DRAINAGE AND RUNOFF FLOW DURING STORMS AND PERIODS OF RAINFALL THROUGHOUT THE WORK AREA.
- CATCH BASIN RIM GRADES NOTED ON PLANS ARE DEPRESSED 0.1' LOWER THAN THE GUTTER GRADE. RIM ELEVATIONS SHOWN ARE FINAL GRADES. THE CONTRACTOR SHALL PLACE FRAMES AND GRATES 0.1' BELOW THE GRADE CONSTRUCTED IN THIS CONTRACT OR AS DIRECTED BY THE ENGINEER.
- PROVISIONS FOR CLEARING TO ACCESS OUTFALLS DURING THE CLEANING AND FLUSHING OF THE CLOSED DRAINAGE SYSTEM SHALL BE KEPT TO A MINIMUM.
 - ANY VEGETATIVE CLEARING SHALL BE LIMITED TO BRUSH AND TREES LESS THAN 3" DIAMETER.
 - NO HEAVY EQUIPMENT MAY ENCROACH UPON VEGETATED PERIMETER OR RIVERBANK WETLANDS AS WELL AS BIOLOGICAL WETLANDS.
- THE CONTRACTOR SHALL INSTALL ALL EROSION CONTROL DEVICES FOR OUTLET PROTECTION PRIOR TO CLEANING AND FLUSHING STORM WATER DRAINAGE. EROSION CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL ALL FLUSHED SEDIMENTS ARE REMOVED. AT ALL OUTFALL LOCATIONS WHERE PIPES ARE TO BE CLEANED AND FLUSHED, OUTLET PROTECTION (R.I. STD. 9.1.0 OR 9.3.0) SHALL BE INSTALLED TO TRAP SEDIMENTS. THESE SEDIMENTS SHALL THEN BE REMOVED AND DISPOSED OF LEGALLY BEFORE THE OUTLET PROTECTION DEVICES ARE REMOVED. IF OUTLET PROTECTION AT THE OUTFALL IS NOT FEASIBLE, THEN THE OUTLET PIPE OF THE LAST DRAINAGE STRUCTURE TO BE CLEANED SHALL BE PLUGGED TO CAPTURE ALL MATERIALS FLUSHED FROM PIPES. AFTER THE MATERIALS ARE REMOVED FROM THE DRAINAGE STRUCTURE, THE OUTLET SHALL BE UNPLUGGED TO RESUME NORMAL FUNCTIONING.
- R.I. STD. 9.8.0 BALED HAY INLET PROTECTION SHALL BE INSTALLED AT ALL CATCH BASINS AND INLETS WHENEVER SUBBASE IS EXPOSED, AND SHALL REMAIN IN PLACE UNTIL THE ADJUTING GROUND SURFACES ARE STABILIZED.
- WHERE BALED HAY INLET PROTECTION AND SILT FENCES ARE USED AT CATCH BASINS, THEY SHALL BE REMOVED AT THE END OF THE PROJECT OR AS DIRECTED BY THE ENGINEER IN ORDER TO PREVENT CLOGGING OF THE INLET.

DRAINAGE AND EROSION CONTROL NOTES (CONTINUED):

- DETENTION AND RETENTION BASINS MAY BE ROUGH GRADED AND STABILIZED WITH VEGETATION AND/OR OTHER EROSION CONTROL MEASURES AS REQUIRED BY THE ENGINEER PRIOR TO USE AS TEMPORARY SEDIMENTATION BASINS DURING PROJECT CONSTRUCTION. FINAL BASIN CONSTRUCTION SHALL NOT COMMENCE UNTIL ALL SOURCES OF SEDIMENT HAVE BEEN ELIMINATED, FINAL ROADSIDE VEGETATION IS ESTABLISHED AND USE OF TEMPORARY BASINS IS NO LONGER REQUIRED AS DIRECTED BY THE ENGINEER. ANY ISSUES RELATING TO EROSION AND/OR SEDIMENT TRANSPORT INTO WETLAND AREAS RESULTING FROM SUCH USE OF SEDIMENTATION BASINS DURING CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. ANY CORRECTIVE ACTION REQUIRED TO RESOLVE SUCH ISSUES SHALL BE COMPLETED BY THE CONTRACTOR.
- THE TOE OF ANY FILL SLOPE IS TO REMAIN AT LEAST 1' INSIDE OF ALL EROSION CONTROLS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR COVER ANY PORTION OF THE EROSION CONTROL MEASURES WITH MATERIAL. ANY MATERIAL THAT IS PLACED ON ANY EROSION CONTROLS BY THE CONTRACTOR, OR ANY AGENT OF THE CONTRACTOR, SHALL BE IMMEDIATELY REMOVED BY THE CONTRACTOR, AND ANY NECESSARY REPAIRS TO THE EROSION CONTROLS ACCOMPLISHED.
- PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES, EROSION AND SEDIMENTATION CONTROLS SHALL BE INSTALLED AT THOSE AREAS INDICATED ON THE PLANS. CLEARING MAY OCCUR PRIOR TO INSTALLATION OF SUCH CONTROLS, HOWEVER NO GRUBBING, GRADING, FILLING, OR OTHER SOIL DISTURBANCE SHALL OCCUR PRIOR TO INSTALLATION. THE LIMITS OF CLEARING AND SURFACE DISTURBANCE MUST BE STRICTLY ADHERED TO IN ALL AREAS.
- ALL HAY BALES, SILT FENCE OR TEMPORARY PROTECTION SHALL REMAIN IN PLACE UNTIL AN ACCEPTABLE STAND OF GRASS IS ESTABLISHED. IF NEEDED, TEMPORARY SEEDING CAN HELP TO MINIMIZE EROSION. TEMPORARY SEED WILL CONFORM TO R.I.D.O.T. STANDARD TEMPORARY SEED MIX.
- THE CONTRACTOR MUST REPAIR AND/OR RESEED ANY AREAS THAT DO NOT DEVELOP WITHIN THE PERIOD OF ONE YEAR AND HE SHALL DO SO AT NO ADDITIONAL EXPENSE TO THE STATE.
- THE NORMAL ACCEPTABLE SEASONAL SEEDING DATES ARE SPECIFIED IN SUBSECTION L.02.03 OF THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
- ADDITIONAL EROSION CONTROLS, SHALL BE INSTALLED AS DIRECTED BY THE RESIDENT ENGINEER. THESE ADDITIONAL ITEMS WILL BE PAID AT THE UNIT PRICE FOR THAT BID ITEM.

UTILITY NOTES:

- EXISTING UTILITIES HAVE BEEN SHOWN ON THE PLANS USING THE BEST AVAILABLE INFORMATION AND ARE APPROXIMATE. BUILDING SERVICE CONNECTIONS (ELECTRIC, GAS, TELEPHONE, WATER AND SANITARY) ARE NOT SHOWN. CONTRACTOR IS TO ASSUME SERVICES ARE PRESENT TO ALL BUILDINGS.
- THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING DRAINAGE AND UTILITIES BOTH UNDERGROUND AND OVERHEAD BEFORE EXCAVATION BEGINS IN ACCORDANCE WITH CHAPTER 39-1.2 OF THE R.I. GENERAL LAWS ENTITLED "EXCAVATION NEAR UNDERGROUND UTILITY FACILITIES", WITH AMENDMENTS EFFECTIVE AS OF NOVEMBER 1, 2009 AND, WHEN NECESSARY, BY CONTACTING THE INDIVIDUAL UTILITY COMPANIES. EXCAVATION SHALL BE IN ACCORDANCE WITH ALL STATUTES, ORDINANCES, RULES AND REGULATIONS OF ANY APPLICABLE CITY, TOWN, STATE OR FEDERAL AGENCY. THE CONTRACTOR SHOULD UNDERSTAND THAT NOT ALL UTILITIES SUBSCRIBE TO THE DIG SAFE PROGRAM. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES AND ENSURE THAT ALL UTILITIES HAVE BEEN MARKED PRIOR TO COMMENCING THEIR WORK. ANY DAMAGE TO EXISTING UTILITIES MARKED IN THE FIELD, OR AS A RESULT OF FAILING TO CONTACT THE APPROPRIATE UTILITY COMPANY, SHALL BE REPAIRED OR REPLACED AT NO ADDITIONAL COST TO THE STATE.
- ALL EXISTING UTILITIES TO BE ABANDONED SHALL BE CAPPED.
- EXISTING WATER SERVICES SHALL BE RECONNECTED TO THE NEW WATER MAINS.
- UTILITY SERVICE CONNECTIONS SHALL BE MAINTAINED TO ALL EXISTING FACILITIES TO REMAIN.
- FIRE HYDRANTS SHALL NOT BE REMOVED FROM SERVICE WITHOUT WRITTEN AUTHORIZATION FROM THE FIRE DEPARTMENT OR THE WATER AUTHORITY.
- ALL NEW WATER LINES SHALL BE DISINFECTED TO THE SATISFACTION OF THE WATER AUTHORITY IN ACCORDANCE WITH THE SPECIFICATIONS.
- ALL UTILITY POLE RELATED WORK SHALL BE BY OTHERS.

THIS PLAN SHALL NOT BE ALTERED

REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION
NO.	DATE	BY	
1	4/07	TRB	
2	3/10	RBH	
3	4/14	MLP	REPAIRS TO MENDON ROAD MANHOLES AND CATCH BASINS
			CUMBERLAND
			STANDARD NOTES - 1
			CHECKED BY _____ DATE _____ SCALE NO SCALE

Rhode Island Department of
Transportation
In-house Design

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	R.I.	2018-CH-045	2018	4	71

LANDSCAPE NOTES:

1. ALL PLANT MATERIAL MUST BE TAGGED AT THE NURSERY (A RECOGNIZED GROWER OF PLANT MATERIAL) IN ACCORDANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION. ALL PLANT MATERIAL MUST BE NURSERY GROWN; NO PLANTATION GROWN PLANT MATERIAL WILL BE ACCEPTED.
2. ALL PLANT SUBSTITUTIONS AND/OR CHANGES IN PLANT LOCATION MUST BE APPROVED IN ACCORDANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
3. ALL PLANT MATERIAL IS TO BE FIELD LOCATED BY A REPRESENTATIVE FROM THE R.I.D.O.T. LANDSCAPE ARCHITECTURE UNIT.
4. A R.I.D.O.T. LANDSCAPE REPRESENTATIVE MUST BE ON SITE TO APPROVE ALL TRIMMING AND CLEARING NECESSARY TO COMPLETE THE WORK AS SHOWN ON THE PLANS.
5. ANY TOPSOIL USED AS PLANTABLE SOIL SHALL HAVE A SANDY LOAM TEXTURE RELATIVELY FREE OF SUBSOIL MATERIAL, STONES, ROOTS, LUMPS OF SOIL, TREE LIMBS, TRASH OR CONSTRUCTION DEBRIS, AND SHALL CONFORM TO SECTION M.18 OF THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
6. ALL TREES AND SHRUBS SHALL BE MULCHED WITH PINE BARK MULCH IN ACCORDANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
7. ALL TREES AND/OR SHRUBS THAT ARE PLANTED AS A BED SHALL BE MULCHED AS A BED.
8. PROVIDE A MINIMUM 6"-8" BRANCHING STANDARD ON ALL TREES INSTALLED ADJACENT TO SIDEWALKS AND/OR PEDESTRIAN ACCESS AREAS.

STRUCTURAL NOTES FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS:

GENERAL

1. ALL SUPPORT DESIGNS AND ASSOCIATED SHOP DRAWING REVIEWS SHALL BE IN CONFORMANCE WITH THE LATEST EDITION, OF THE AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS (THE "SPECIFICATIONS"), INCLUDING THE LATEST INTERIM SPECIFICATIONS, EXCEPT AS MODIFIED HEREIN.

CONSTRUCTION DRAWINGS AND DETAILS

1. THE FOLLOWING NOTES SHALL BE INCLUDED ON ALL PLANS AND/OR SHOP DRAWINGS IN REFERENCE TO ANCHOR BOLTS:
 - "PRETENSIONING OF ALL ANCHOR NUTS IS REQUIRED, AND SHALL BE ACCOMPLISHED BY TIGHTENING TO 1/6TH TURN BEYOND THE SNUG-TIGHT POSITION."
 - "THE MAXIMUM CLEARANCE BETWEEN THE BOTTOM OF THE LEVELING NUTS AND THE TOP OF THE CONCRETE IS CRITICAL AND SHALL NOT EXCEED THE AMOUNT SPECIFIED ON THIS DRAWING."
2. THE USE OF GROUT UNDER BASE PLATES SHALL GENERALLY NOT BE PERMITTED. IF SPECIFIC CONDITIONS WARRANT ITS USE, THE GROUT SHALL NOT BE CONSIDERED LOAD CARRYING; LOADS SHALL BE DIRECTLY SUPPORTED BY THE ANCHOR BOLTS. ADEQUATE DRAINAGE SHALL BE PROVIDED.
3. THE DAMPENING EFFECTS OF VIBRATION MITIGATION DEVICES SHALL NOT BE CONSIDERED IN THE DESIGN OF STRUCTURAL SUPPORTS FOR SIGNS AND TRAFFIC SIGNALS. IF THE CONTRACTOR CHOOSES TO USE THESE DEVICES FOR WARRANTY PURPOSES, THE TYPE OF DEVICES PROPOSED SHALL BE APPROVED BY THE DEPARTMENT PRIOR TO FABRICATION OF SUPPORTS.

TRAFFIC SIGNAL NOTES:


1. ALL SALVAGED TRAFFIC SIGNAL EQUIPMENT SHALL BE DELIVERED TO THE R.I.D.O.T. MAINTENANCE HEADQUARTERS, 360 LINCOLN AVENUE, WARWICK, RHODE ISLAND, 02888.
2. BACK PLATES SHALL BE INSTALLED ON ALL TRAFFIC SIGNAL HEADS.
3. THE CONTRACTOR SHALL SUPPLY AND INSTALL ON THE UPPER LEFT HAND CORNER OF THE BACK OF THE CONTROLLER CABINET DOOR A LAMINATED INTERSECTION GRAPHIC AND TABLE DEPICTING THE TRAFFIC DETECTOR RELAY CHANNEL ASSIGNMENTS. THE DIAGRAM SHALL BE A GRAPHIC OF THE INDIVIDUAL INTERSECTION ORIENTED SIMILAR TO THE PLANS SHOWING THE LOCATIONS OF EACH OF THE LOOP DETECTORS. THE DIAGRAM SHALL, AT A MINIMUM, INCLUDE DETECTOR NUMBERS, STREET NAME LABELS, NORTH ARROW, AND CONTROLLER CABINET LOCATION. THE ASSIGNMENT INFORMATION SHALL BE INCLUDED IN A TABLE WHICH SHALL INCLUDE, AT A MINIMUM, THE APPROACH NAME, DETECTOR NUMBER, TERMINAL NUMBER, DETECTOR RACK SLOT NUMBER, RELAY NUMBER, RELAY CHANNEL NUMBER, AND PHASE ASSOCIATED WITH EACH DETECTOR.
4. TRAFFIC CONTROLLER CABINETS, UNLESS OTHERWISE NOTED, SHALL BE NEMA TS2 TYPE 1 CABINET SIZE 6 ("P" TYPE) WITH NOMINAL DIMENSIONS OF 52"Hx44"Wx24"D.
5. ALL DELAY AND EXTENSION TIMES, AS CALLED FOR ON THE PLANS, FOR PROPOSED LOOP DETECTORS SHALL BE PROGRAMMED IN THE TRAFFIC SIGNAL CONTROLLER AND NOT THE DETECTOR RELAY.
6. A BARE GROUND WIRE SHALL BE PLACED IN ALL PVC CONDUITS AND SHALL BE BONDED TO GROUND RODS IN ACCORDANCE WITH SECTION T.03 OF THE RHODE ISLAND DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
7. THE FINAL POSITION OF SIGNAL HEADS, PEDESTRIAN PUSHBUTTONS, DETECTORS, AND STOP LINE AND CROSSWALK PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER IN THE FIELD ACCORDING TO ACTUAL INTERSECTION CHARACTERISTICS.
8. A 2' MINIMUM BUFFER SHALL BE PROVIDED BETWEEN THE CURB AND ALL LATERAL OBSTRUCTIONS (INCLUDING ALL SIGNAL POLES AND TRAFFIC/PEDESTRIAN SIGNAL HEADS) TO PROVIDE ADEQUATE CLEARANCE FOR TURNING VEHICLES.
9. ALL FOUNDATIONS MUST HAVE CONES OR BARRELS BOLTED TO FOUNDATION BASES UNTIL ACTUAL POLE IS INSTALLED.
10. WHEN PLACING TRAFFIC SIGNAL HANDHOLES OR CONDUIT IN EXISTING PORTLAND CEMENT CONCRETE SIDEWALKS, THE ENTIRE SIDEWALK SQUARE OF CONCRETE SHALL BE REPLACED IN ACCORDANCE WITH R.I. STD. 43.1.0. NO PATCHES WILL BE ALLOWED.
11. ALL PEDESTRIAN PUSHBUTTONS SHALL BE COMPLIANT WITH "THE AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES" (ADAAG) AND SHALL INCLUDE A PRESSURE-ACTIVATED (NON-MOVING) BUTTON. SIGNS APPLICABLE TO PUSHBUTTON ACTUATION SHALL BE INSTALLED SUCH THAT THE CROSSING ASSIGNED TO EACH BUTTON IS CLEARLY INDICATED. IF SITE CONDITIONS DO NOT ALLOW PEDESTRIAN PUSHBUTTONS TO BE INSTALLED WHERE CALLED FOR ON THE PLANS, THE R.I.D.O.T. TRAFFIC ENGINEERING UNIT SHALL BE CONSULTED WITH THROUGH AN R.F.I. PRIOR TO INSTALLING THE PUSHBUTTONS. THE FINAL PLACEMENT OF ALL PEDESTRIAN PUSHBUTTONS SHALL BE IN ACCORDANCE WITH ADAAG AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
12. ALL LOOP DETECTORS SHALL BE CENTERED WITHIN EACH LANE AS DELINEATED, UNLESS OTHERWISE DIMENSIONED ON PLANS.
13. ALL LOOP DETECTORS SHALL BE CUT INTO THE FINAL PAVEMENT SURFACE COURSE.
14. TRAFFIC SIGNAL CONTROLLERS SHALL BE WIRED SO THAT ANY FIRE PRE-EMPTION SHALL OVERRIDE MANUAL (PUSH BUTTON) OPERATION.
15. THE CONTRACTOR SHALL WORK CONTINUOUSLY TO RESTORE TRAFFIC SIGNAL OPERATION TO ITS INTENDED PURPOSE WHEN REPLACING THE TRAFFIC SIGNAL EQUIPMENT. A POLICE DETAIL IS REQUIRED TO DIRECT TRAFFIC AT THE INTERSECTION AT ALL TIMES WHEN THE TRAFFIC SIGNAL IS INOPERATIVE. AT NO TIME SHALL THE CONTRACTOR LEAVE THE SITE BEFORE RESTORING FULL TRAFFIC OPERATIONS.

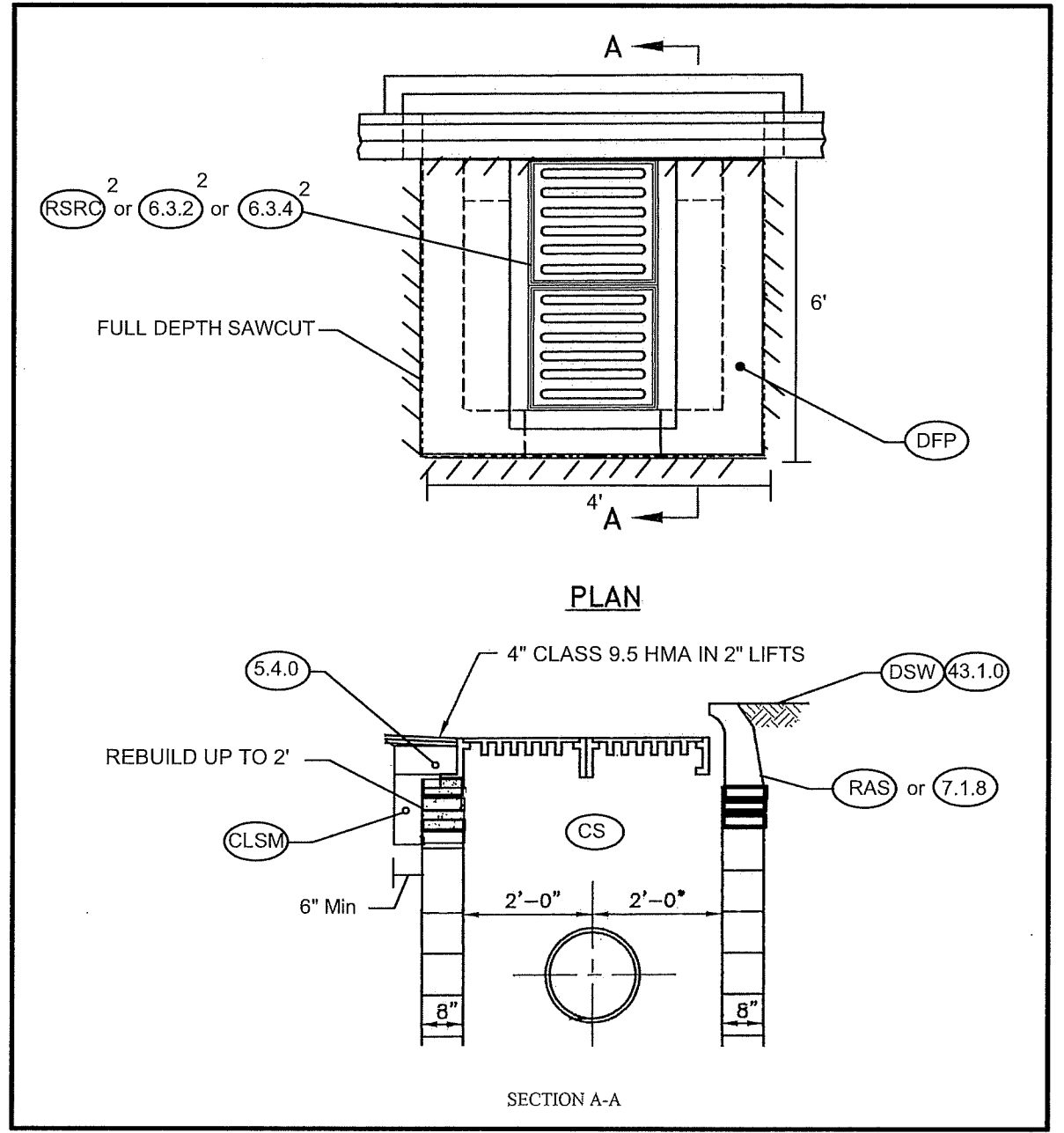
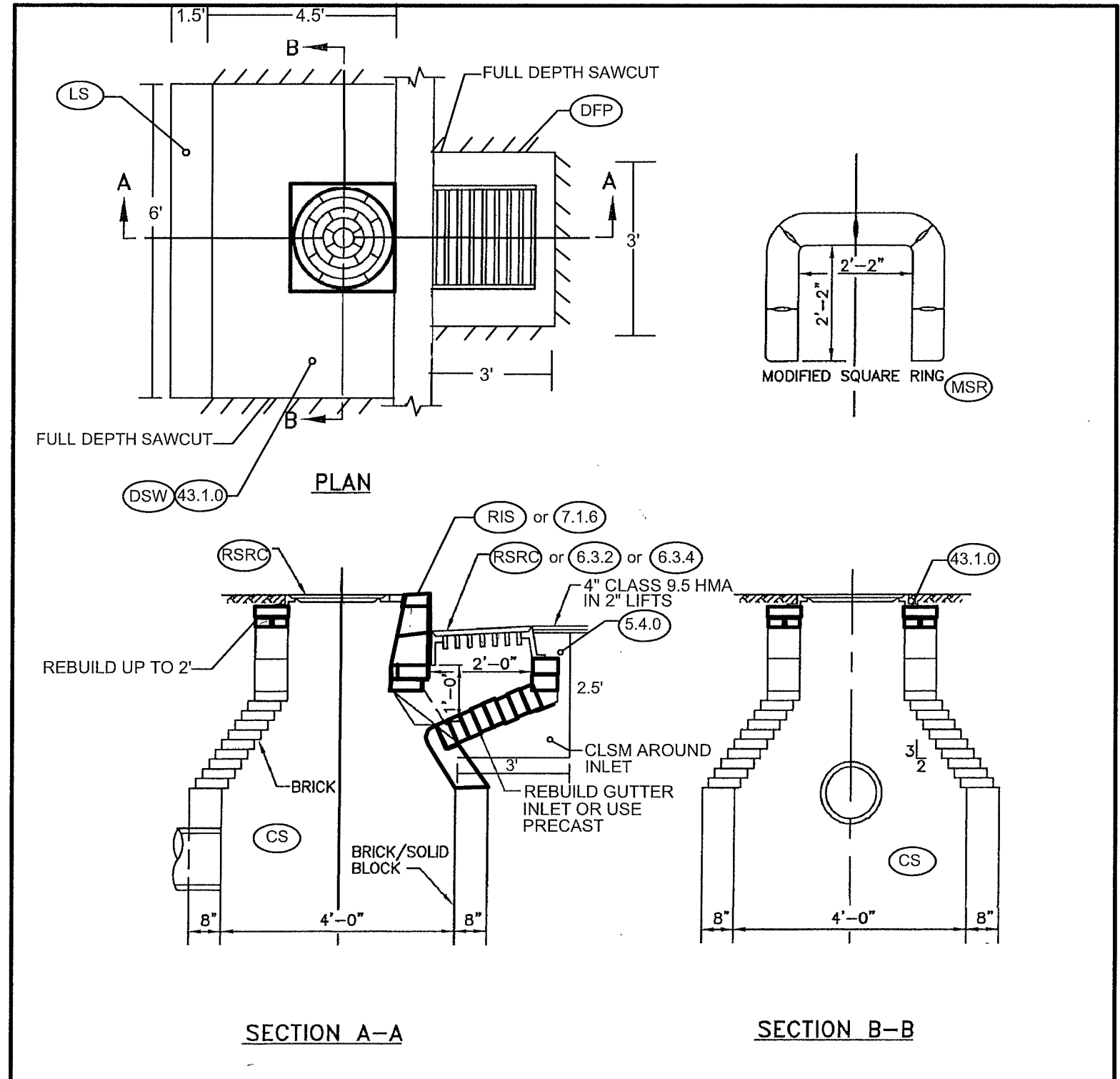
MAINTENANCE AND PROTECTION OF TRAFFIC NOTES:

1. ALL MAINTENANCE AND PROTECTION OF TRAFFIC CONTROL SETUPS, SIGNS, CHANNELIZING DEVICES, ETC., SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
2. ALL SIGN MOUNTINGS FOR TEMPORARY AND CONSTRUCTION SIGNS SHALL BE IN ACCORDANCE WITH THE R.I.D.O.T. STANDARD SPECIFICATIONS, LATEST EDITION.
3. THE CONTRACTOR SHALL COVER ALL EXISTING AND/OR TEMPORARY SIGNS THAT ARE NOT RELEVANT TO THE TRAFFIC CONTROL REQUIRED DURING ANY PARTICULAR STAGE OF THE CONTRACT.
4. ADVANCE FLAGPERSON SIGNS (W20-7A) SHALL BE USED IN ADVANCE OF ANY POINT AT WHICH A FLAGPERSON OR A POLICE OFFICER HAS BEEN STATIONED TO CONTROL TRAFFIC. WHEN NEEDED, AN APPROPRIATE DISTANCE MESSAGE MAY BE DISPLAYED ON A SUPPLEMENTAL PLATE (24"x18") BELOW THE FLAGPERSON SYMBOL SIGN. THE SIGN SHALL BE PROMPTLY REMOVED OR COVERED WHENEVER THE FLAGPERSON IS NOT AT THE STATION.
5. POLICE OFFICERS (AND NOT FLAGPERSONS) SHALL BE UTILIZED WHEN WORK WILL IMPACT SIGNALIZED INTERSECTIONS AND LIMITED ACCESS HIGHWAYS.
6. POLYETHYLENE DRUMS SHALL BE UTILIZED AS A CHANNELIZING DEVICE WHEN A TRAFFIC CONTROL SET-UP IS TO REMAIN BEYOND WORKING HOURS WHEN NO WORKERS ARE PRESENT. CONES SHALL BE UTILIZED WHEN A TRAFFIC CONTROL SET-UP IS TO REMAIN ONLY DURING WORKING HOURS AND IS SUBSEQUENTLY BROKEN DOWN AT THE END OF THE WORKDAY.
7. ARROW PANELS SHALL BE SET IN THE FLASHING FOUR CORNERS CAUTION MODE UNLESS UTILIZED FOR A MERGING TAPER. ARROW PANELS SET IN THE FLASHING ARROW MODE SHALL NOT BE UTILIZED FOR LANE SHIFTS.
8. TEMPORARY CONSTRUCTION SIGNS AND OTHER WORKZONE TRAFFIC CONTROL DEVICES THAT ARE DAMAGED OR REQUIRE RELOCATION SHALL BE REPLACED AND / OR RELOCATED UNDER THE PAY ITEM FOR "MAINTENANCE AND MOVEMENT TRAFFIC PROTECTION."
9. THE PRIVATE VEHICLES OF CONSTRUCTION WORKERS SHALL NOT BE PARKED ON THE TRAVEL LANES OR SHOULDERS. THEY MAY BE PARKED WITHIN THE STATE RIGHT-OF-WAY ONLY IN AREAS 30' BEYOND THE OUTSIDE EDGE OF THE TRAVEL LANES AND/OR IN AREAS APPROVED BY THE ENGINEER.
10. TEMPORARY CONSTRUCTION SIGNS AND OTHER TEMPORARY TRAFFIC CONTROL DEVICES SHALL BE INSTALLED PRIOR TO THE START OF WORK IN ANY AREA OPEN TO TRAFFIC, AND SHALL BE REMOVED AS SOON AS PRACTICAL WHEN THEY ARE NO LONGER APPROPRIATE.
11. THE INTENDED VEHICLE PATHS THROUGH EACH WORK ZONE SHALL BE CLEARLY MARKED AT ALL TIMES. WATERBORNE PAVEMENT MARKINGS SHALL BE INSTALLED BEFORE THE END OF THE WORK SHIFT ON ALL COLD-PLANNED AND NEW ROADWAY SURFACES THAT WILL BE OPENED TO TRAFFIC AT THE END OF THE SHIFT.

THIS PLAN SHALL NOT BE ALTERED

REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
NO.	DATE	BY		
1	4/07	TRB	Repairs to Mendon Road	
2	11/07	TRB	Manholes and Catchbasins	
3	3/10	RBH	CUMBERLAND	RHODE ISLAND
			STANDARD NOTES - 2	
			CHECKED BY _____	DATE _____ SCALE NO SCALE


 STATE OF RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION
The Capitol Hill
Providence, Rhode Island 02903-1124
(401) 222-2023



RECONSTRUCT DOUBLE CATCH BASIN PERPENDICULAR TO EDGE OF PAVEMENT (RDCB-T)

RECONSTRUCT CATCH BASIN WITH GUTTER INLET (RCBGI)

NOTES:

1. Parge with 1/2 inch cement mortar plaster required on all inside and exposed cleaned outside surfaces.
2. Shall be in accordance with section 702 of the R.I. Standard Specifications.
3. At the end of each working day the pavement removal operation must be left in a "squared-off" condition. Temporary bituminous patching material shall be used to bring pavement to grade and subsequently removed prior to final paving. There will be no separate payment for this requirement.
4. Castings shall be set flush (even) with the undisturbed existing pavement.

JOB SPECIFIC LEGEND:

- DGO** DISPOSE OF GRATE ONLY
- RSRC** REMOVE, STOCKPILE, RESET CASTINGS
- RAS** RESET APRON STONE
- RIS** RESET INLET STONE
- RC** REBUILD CORBEL
- CFC** CUMBERLAND SANITARY SEWER FRAME AND COVER
 * 24" FRAMES AND COVERS NORTH OF I-295
 * 36" FRAMES AND COVERS SOUTH OF I-295
- CLSM** CONTROLLED LOW STRENGTH MATERIAL NON EXAVATABLE TYPE III
- CS** CLEAN STRUCTURE

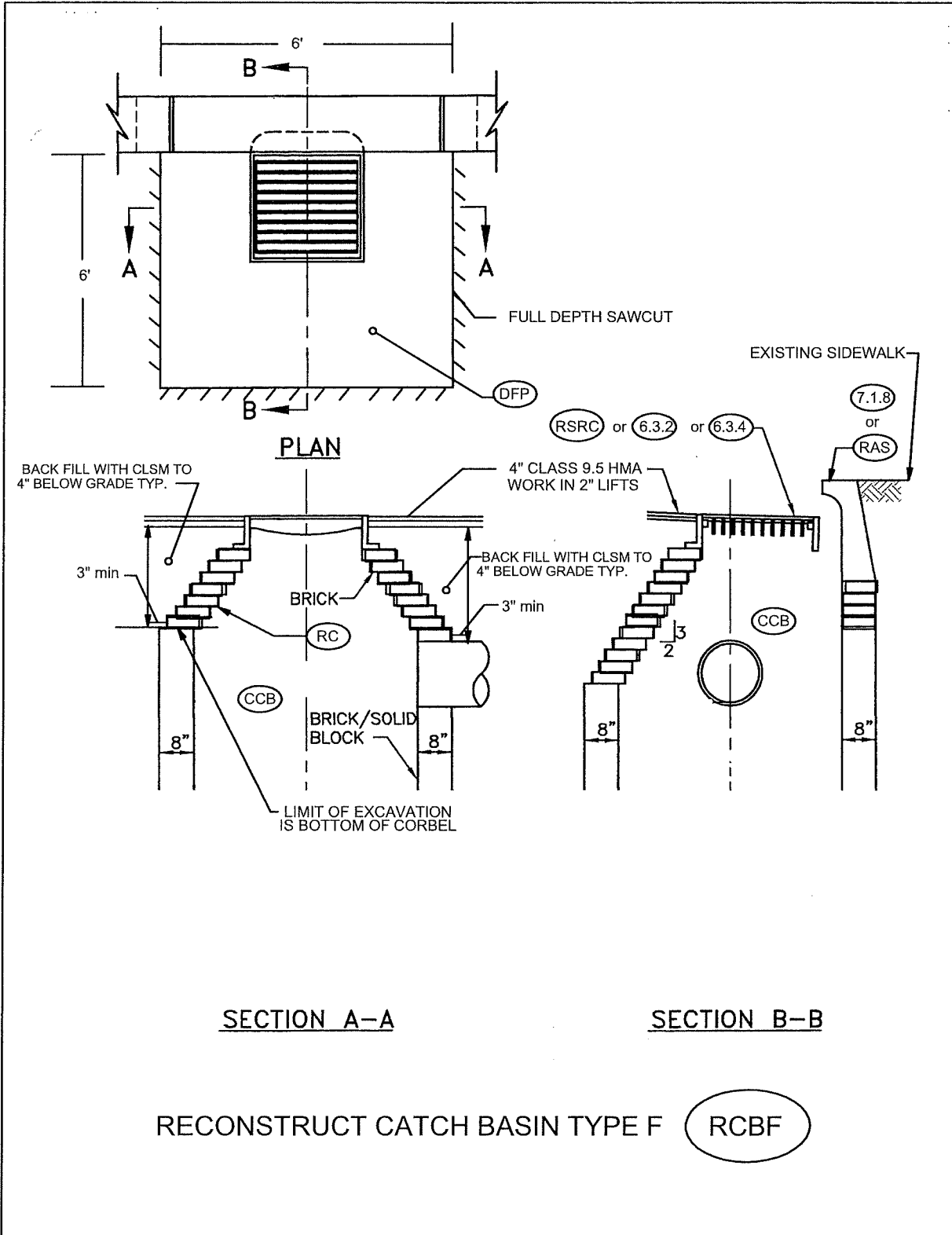
REVISIONS		
NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

REPAIRS TO MENDON ROAD
MANHOLES AND CATCH BASINS

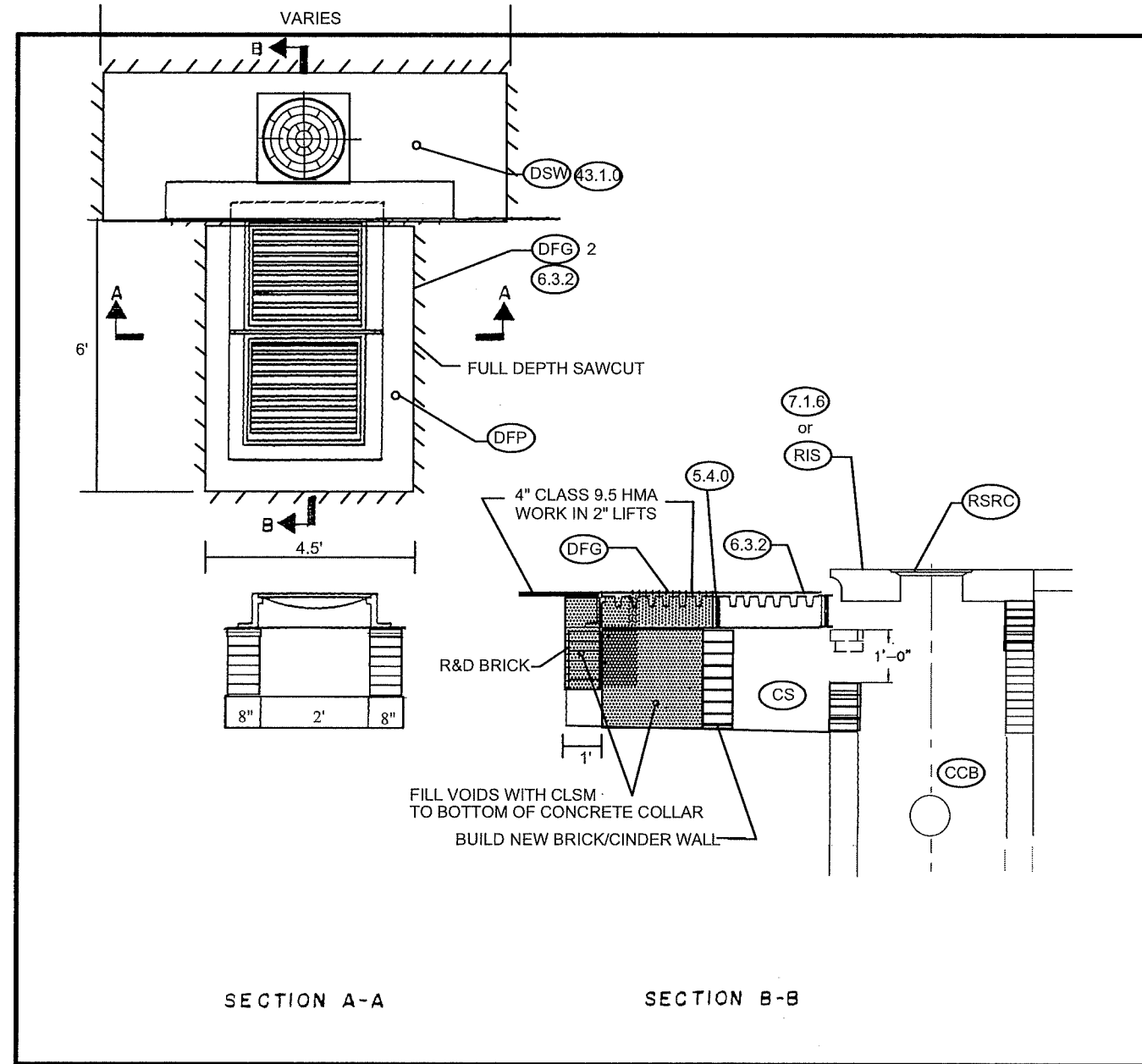
Miscellaneous Details 1

CHECKED BY _____ DATE _____ SCALE NONE



NOTES:

1. Parge with 1/2 inch cement mortar plaster required on all inside and exposed cleaned outside surfaces.
2. Shall be in accordance with section 702 of the R.I. Standard Specifications.
3. At the end of each working day the pavement removal operation must be left in a "squared-off" condition. Temporary bituminous patching material shall be used to bring pavement to grade and subsequently removed prior to final paving. There will be no separate payment for this requirement.
4. Castings shall be set flush (even) with the undisturbed existing pavement.



RECONSTRUCT CATCH BASIN WITH DOUBLE GUTTER INLET TO SINGLE GUTTER INLET (RCBGI-DS)

JOB SPECIFIC LEGEND :

- | | |
|--|---|
| (DGO) DISPOSE OF GRATE ONLY | (CFC) CUMBERLAND SANITARY SEWER FRAME AND COVER
* 24" FRAMES AND COVERS NORTH OF I-295
* 36" FRAMES AND COVERS SOUTH OF I-295 |
| (RSRC) REMOVE, STOCKPILE, RESET CASTINGS | (CLSM) CONTROLLED LOW STRENGTH MATERIAL NON EXAVATABLE TYPE III |
| (RAS) RESET APRON STONE | (CS) CLEAN STRUCTURE |
| (RIS) RESET INLET STONE | |
| (RC) REBUILD CORBEL | |

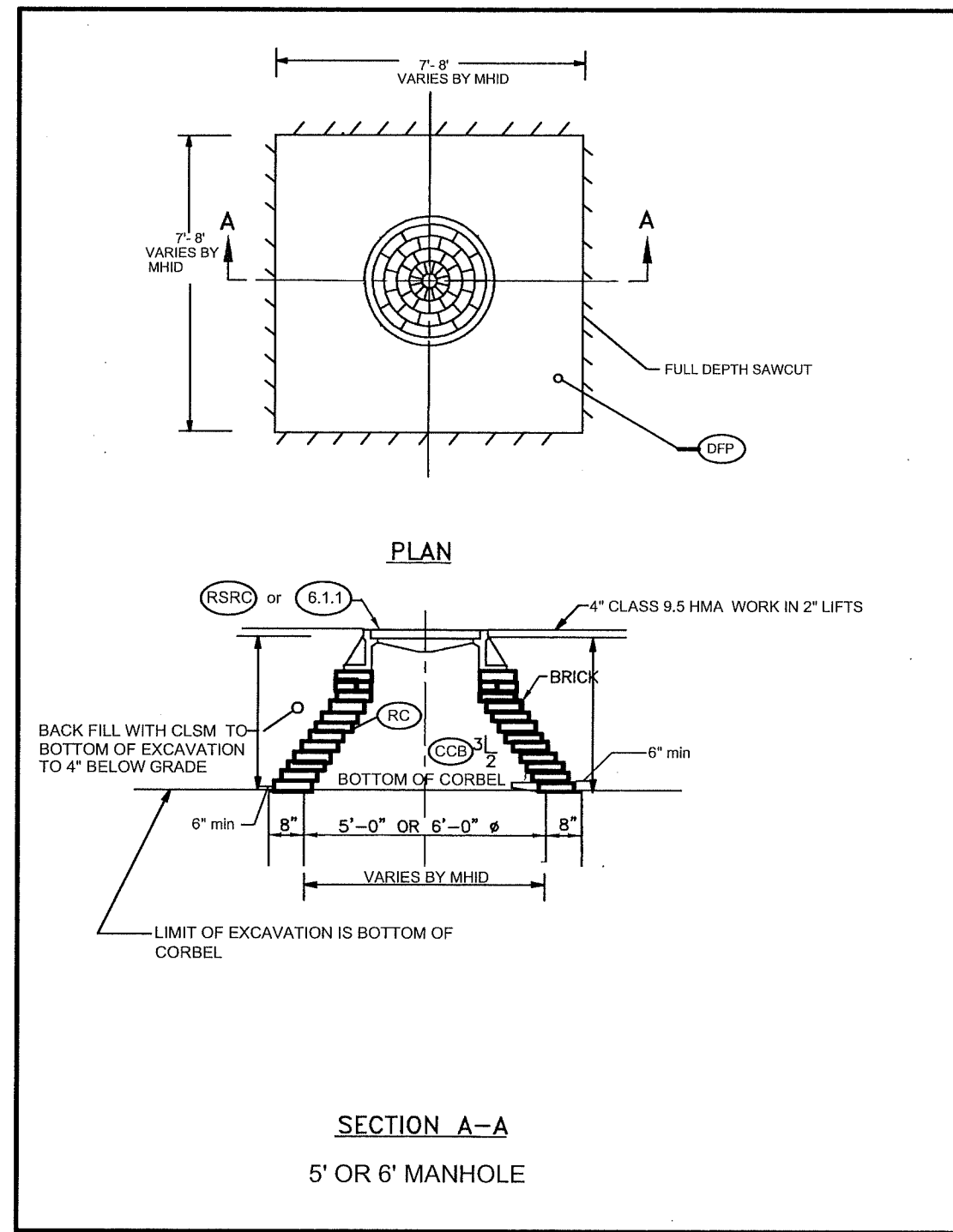
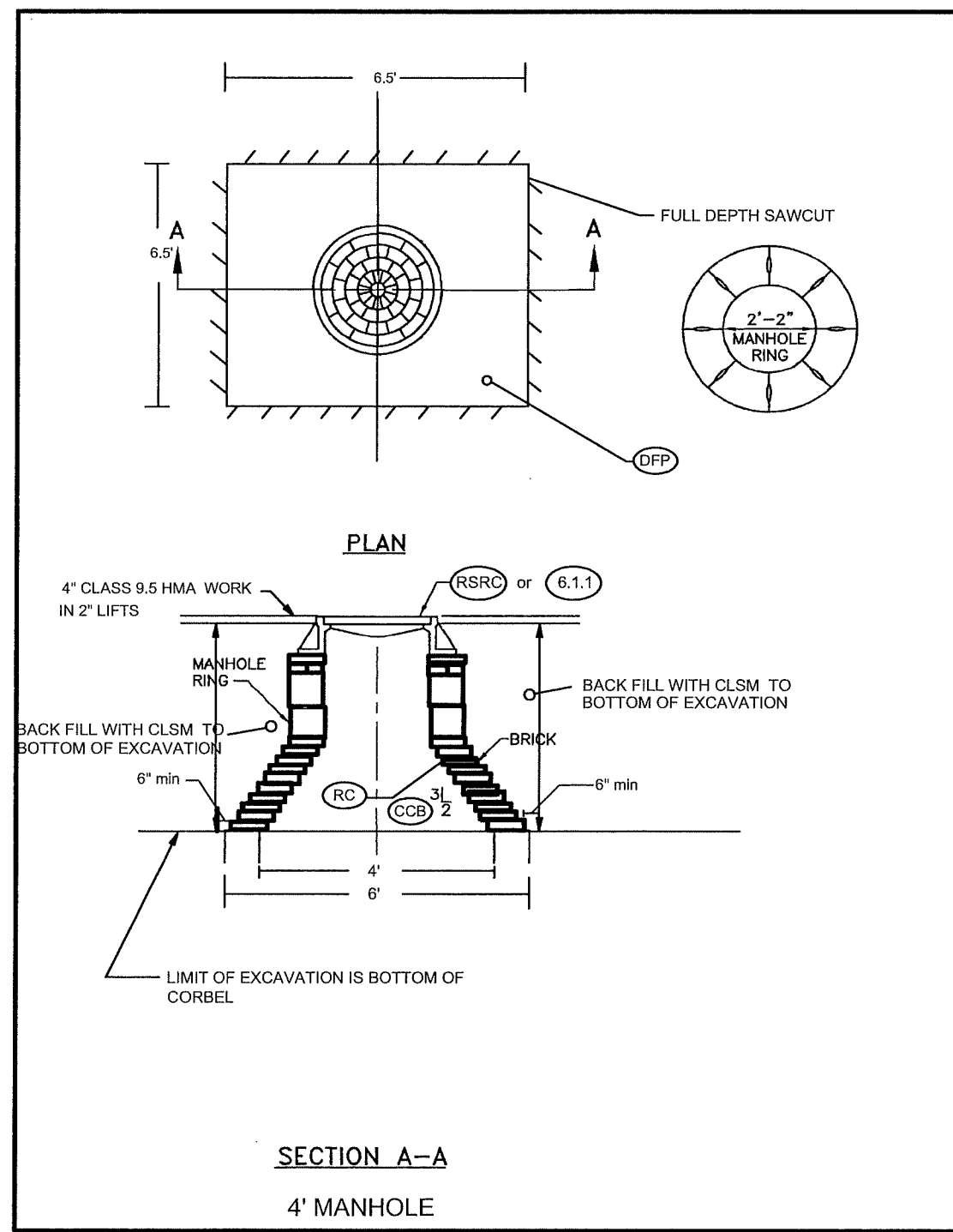
NOT TO SCALE

REVISIONS			NO.	DATE	BY
NO.	DATE	BY			

RHODE ISLAND		
DEPARTMENT OF TRANSPORTATION		
REPAIRS TO MENDON ROAD		
MANHOLES AND CATCH BASINS		
CUMBERLAND		
Miscellaneous Details 2		
CHECKED BY	DATE	SCALE NONE

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	R.I.	2018-CH-045	1	7	71

- NOTES:
1. Parge with 1/2 inch cement mortar plaster required on all inside and exposed cleaned outside surfaces.
 2. Shall be in accordance with section 702 of the R.I. Standard Specifications.
 3. At the end of each working day the pavement removal operation must be left in a "squared-off" condition. Temporary bituminous patching material shall be used to bring pavement to grade and subsequently removed prior to final paving. There will be no separate payment for this requirement.
 4. Castings shall be set flush (even) with the undisturbed existing pavement.



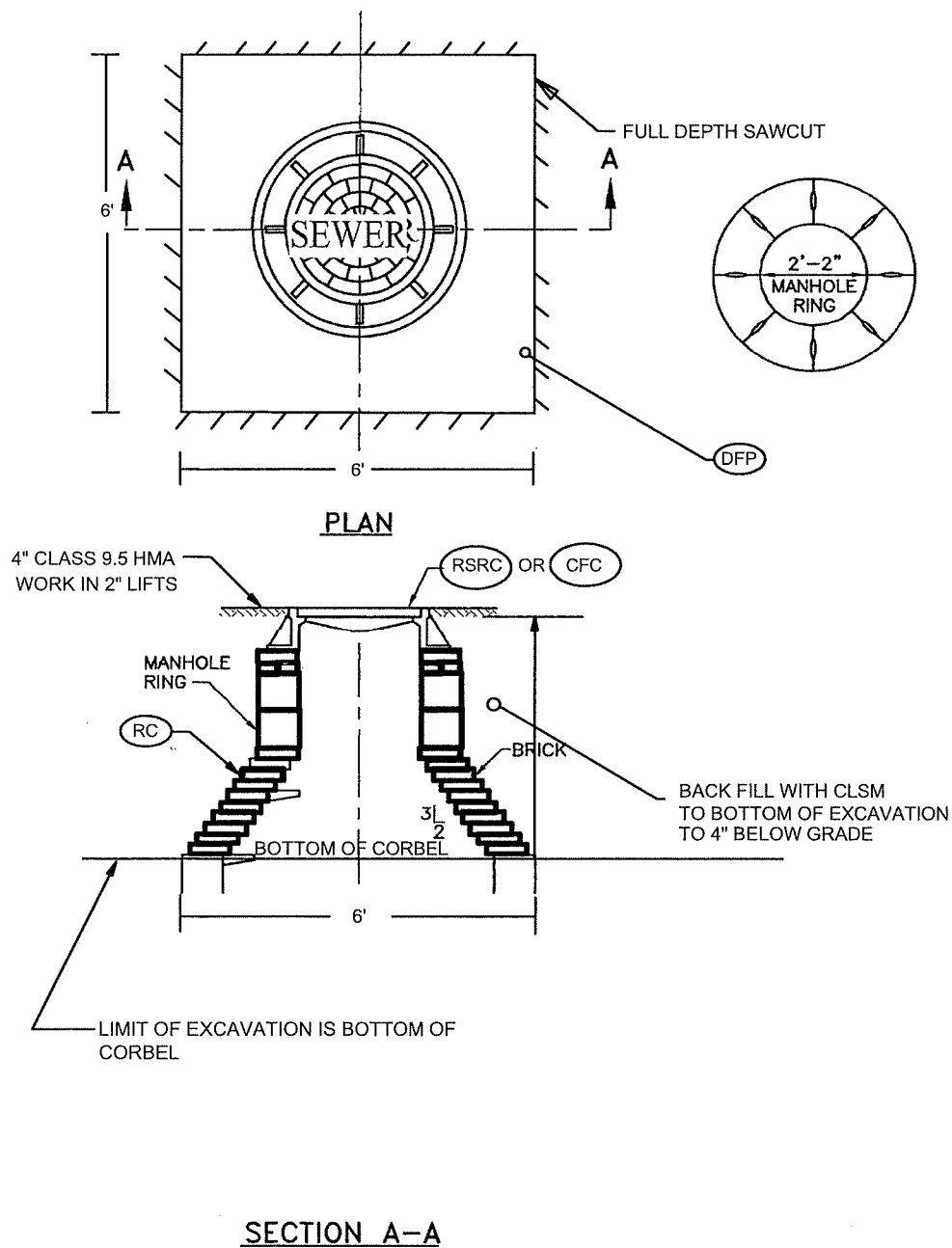
- JOB SPECIFIC LEGEND:
- (DGO) DISPOSE OF GRATE ONLY
 - (RSRC) REMOVE, STOCKPILE, RESET CASTINGS
 - (RAS) RESET APRON STONE
 - (RIS) RESET INLET STONE
 - (RC) REBUILD CORBEL
 - (CFC) CUMBERLAND SANITARY SEWER FRAME AND COVER
* 24" FRAMES AND COVERS NORTH OF I-295
* 36" FRAMES AND COVERS SOUTH OF I-295
 - (CLSM) CONTROLLED LOW STRENGTH MATERIAL NON EXAVATABLE TYPE III
 - (CS) CLEAN STRUCTURE

RECONSTRUCT MANHOLE (RMH)

NOT TO SCALE

CLSM - NON-EXCAVATABLE TYPE III

REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION
NO.	DATE	BY	
			REPAIRS TO MENDON ROAD MANHOLES AND CATCH BASINS
			Miscellaneous Details 3
			CHECKED BY _____ DATE _____ SCALE NONE

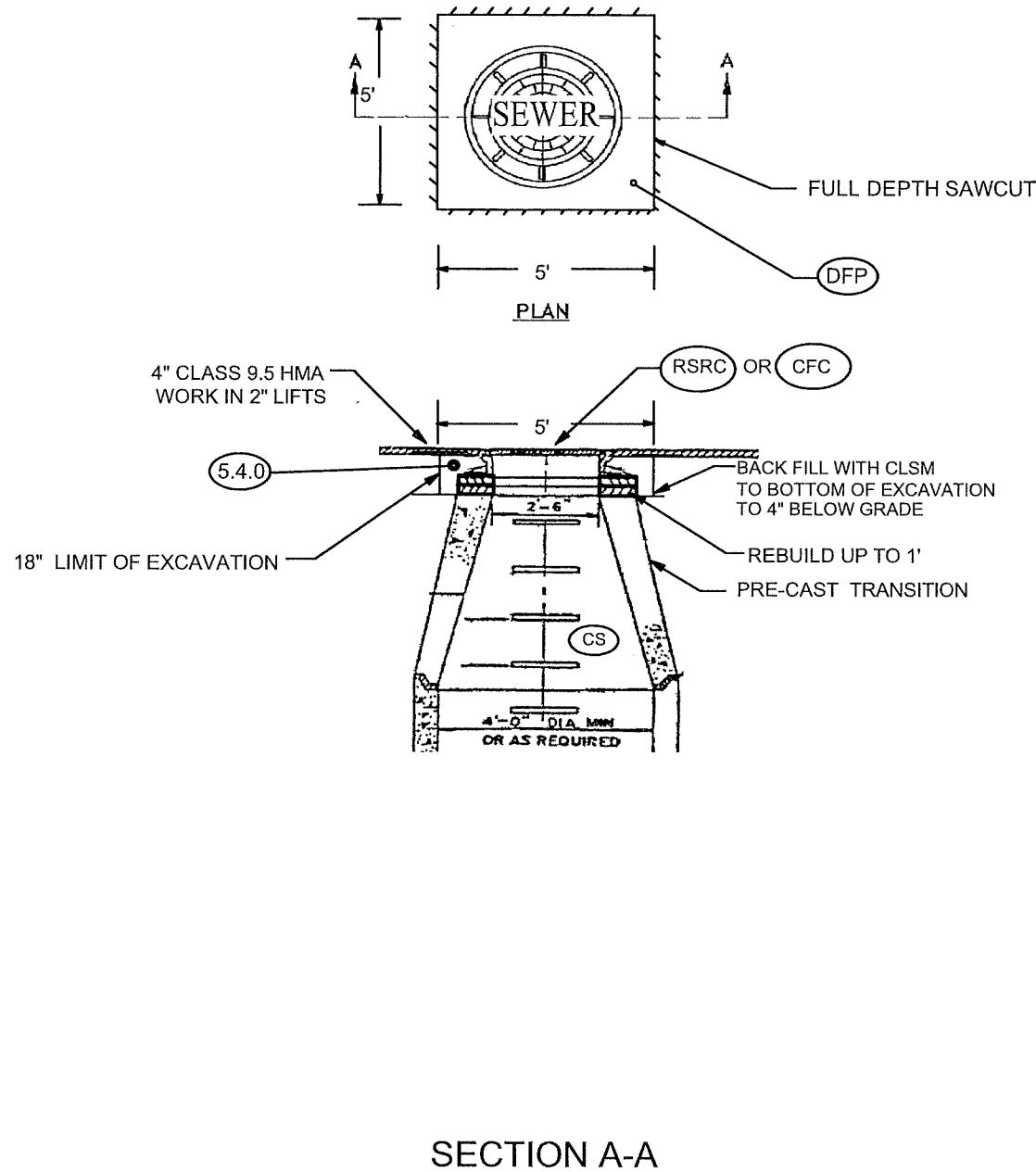


RECONSTRUCT SANITARY SEWER MANHOLE

(RSMH)

NOTES:

1. Parge with 1/2 inch cement mortar plaster required on all inside and exposed cleaned outside surfaces.
2. Shall be in accordance with section 702 of the R.I. Standard Specifications.
3. At the end of each working day the pavement removal operation must be left in a "squared-off" condition. Temporary bituminous patching material shall be used to bring pavement to grade and subsequently removed prior to final paving. There will be no separate payment for this requirement.
4. Castings shall be set flush (even) with the undisturbed existing pavement.



ADJUST SANITARY SEWER MANHOLE

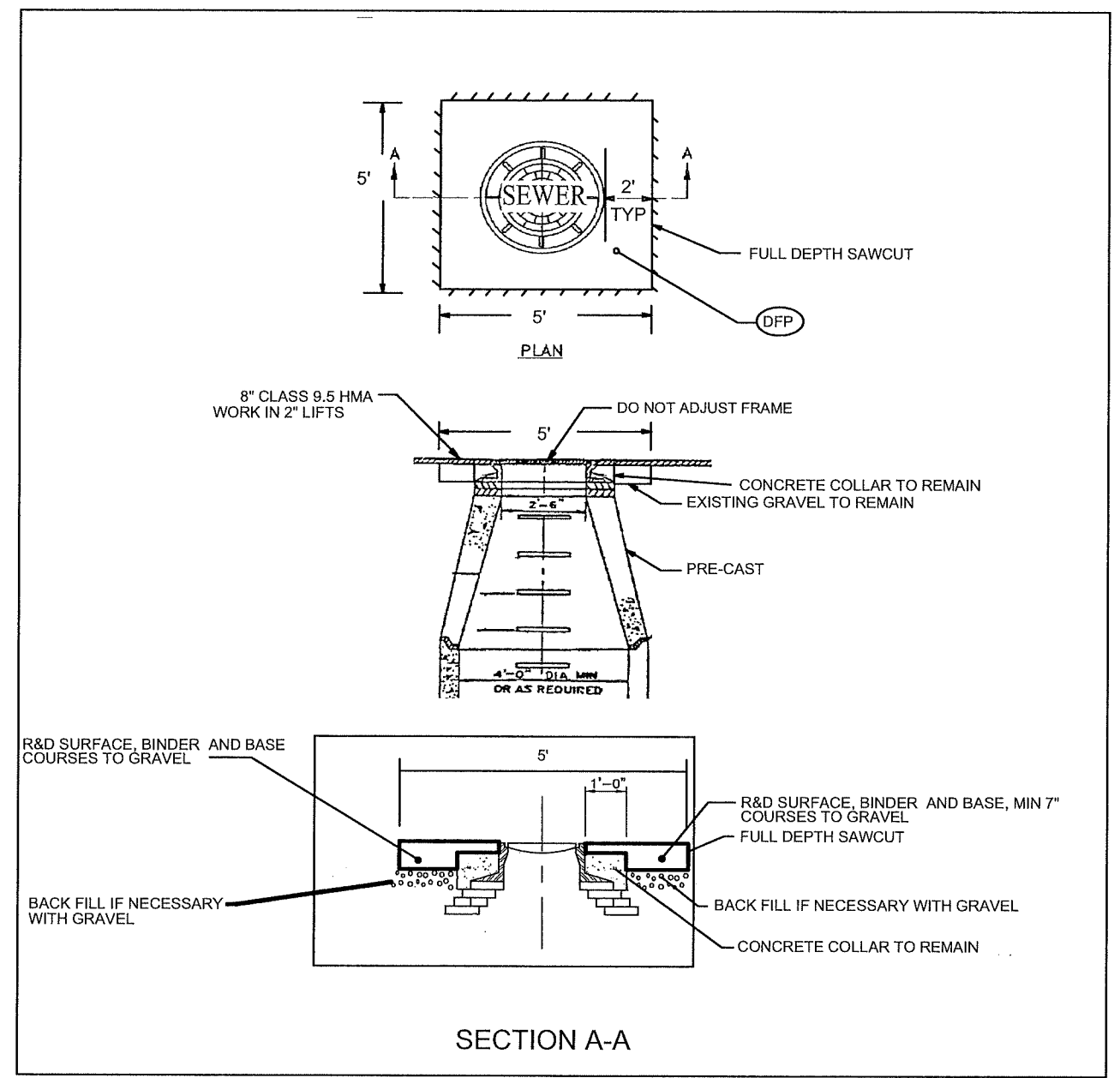
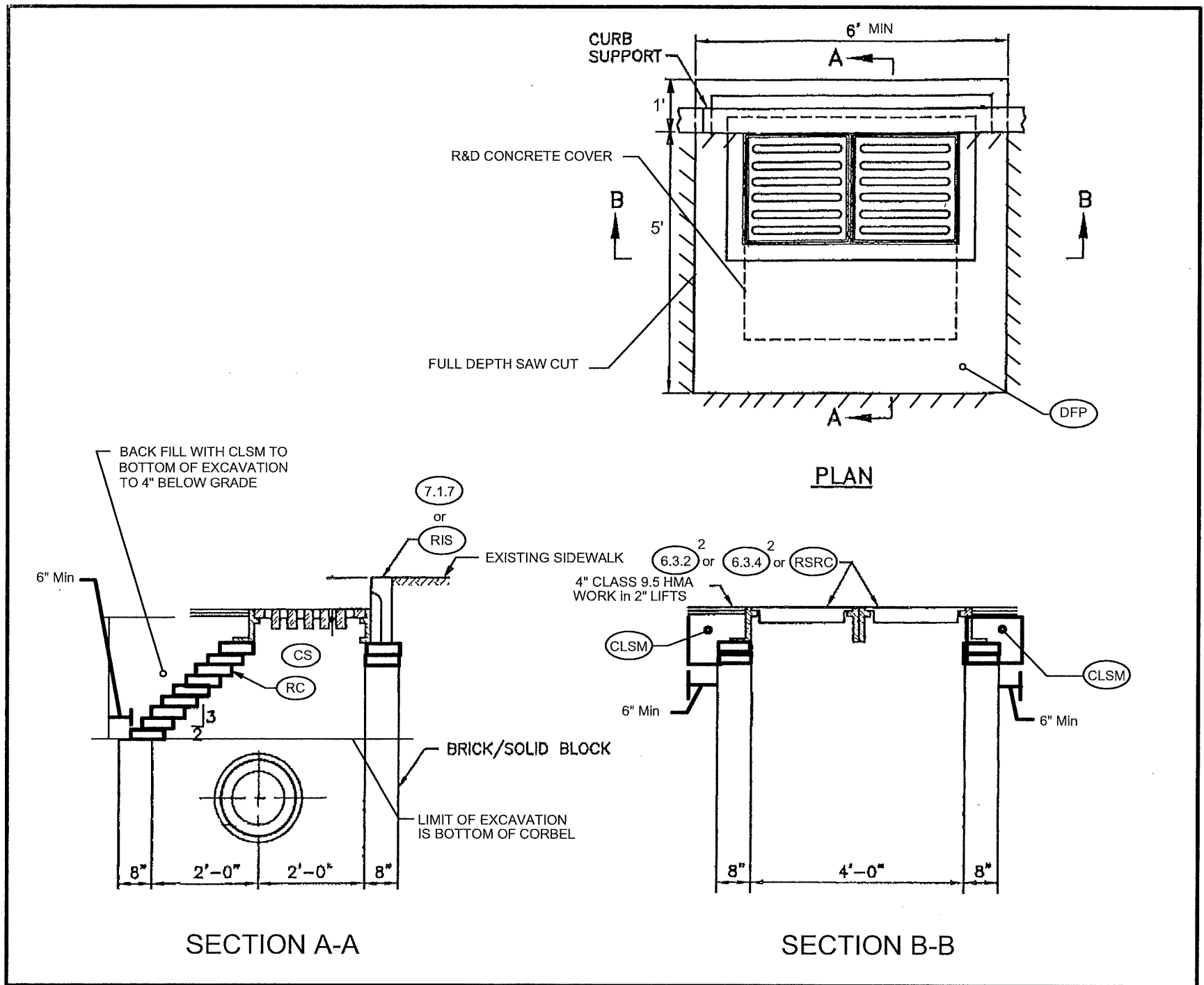
(ASMH)

JOB SPECIFIC LEGEND:

- | | |
|--|---|
| (DGO) DISPOSE OF GRATE ONLY | (CFC) CUMBERLAND SANITARY SEWER FRAME AND COVER
* 24" FRAMES AND COVERS NORTH OF I-295
* 36" FRAMES AND COVERS SOUTH OF I-295 |
| (RSRC) REMOVE, STOCKPILE, RESET SEWER CASTINGS | (CLSM) CONTROLLED LOW STRENGTH MATERIAL NON EXAVATABLE TYPE III |
| (RAS) RESET APRON STONE | (CS) CLEAN STRUCTURE |
| (RIS) RESET INLET STONE | |
| (RC) REBUILD CORBEL | |

REVISIONS		NO.	DATE	BY
NO.	DATE			

RHODE ISLAND DEPARTMENT OF TRANSPORTATION		
REPAIRS TO MENDON ROAD MANHOLES AND CATCH BASINS CUMBERLAND		
Miscellaneous Details 4		
CHECKED BY	DATE	SCALE NONE



SEWER MANHOLE PAVEMENT PATCH (SMPP)

NOT TO SCALE

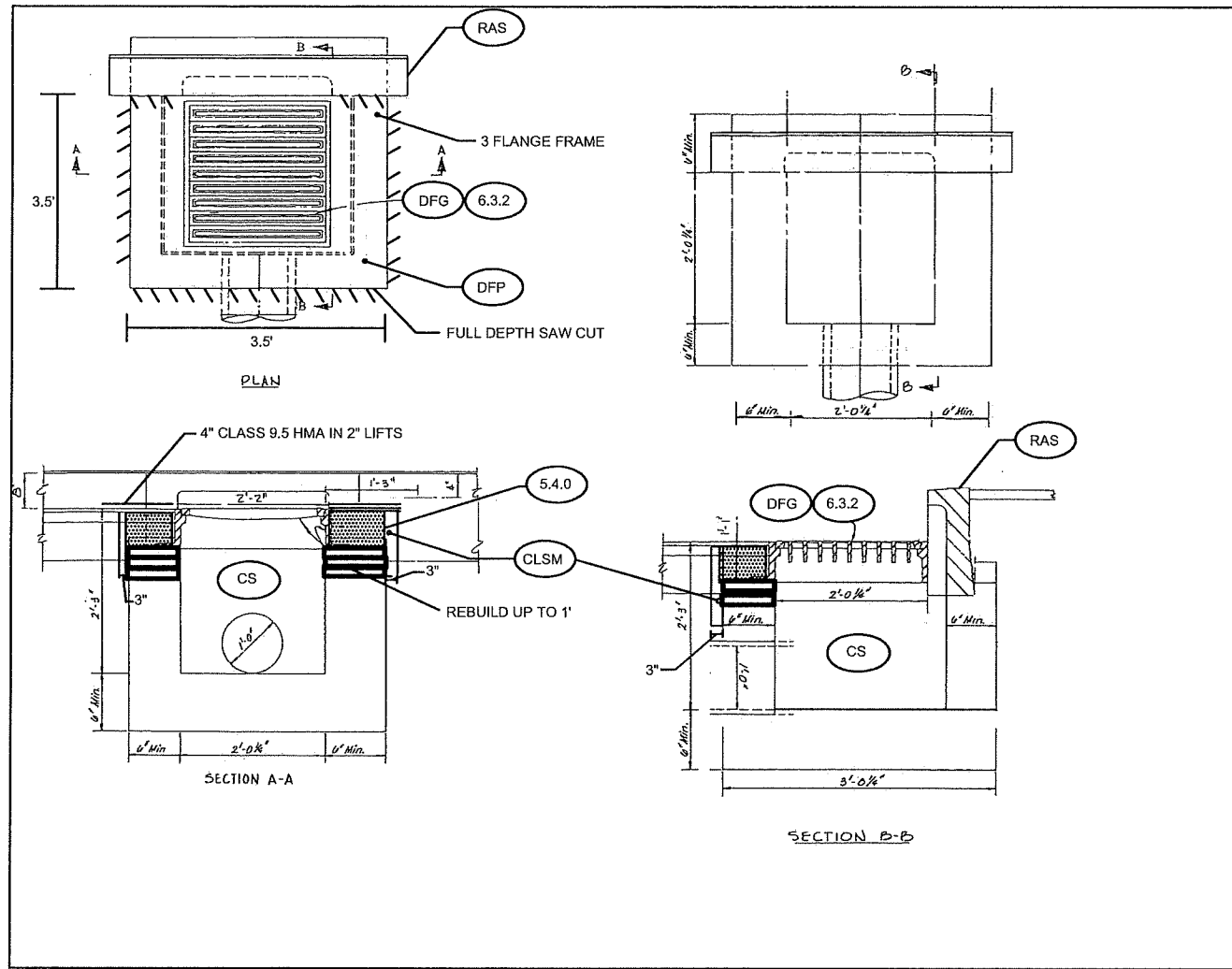
RECONSTRUCT DOUBLE CATCH BASIN (RDCB)

- NOTES:
1. Parge with 1/2 inch cement mortar plaster required on all inside and exposed cleaned outside surfaces.
 2. Shall be in accordance with section 702 of the R.I. Standard Specifications.
 3. At the end of each working day the pavement removal operation must be left in a "squared-off" condition. Temporary bituminous patching material shall be used to bring pavement to grade and subsequently removed prior to final paving. There will be no separate payment for this requirement.
 4. Castings shall be set flush (even) with the undisturbed existing pavement.

JOB SPECIFIC LEGEND :

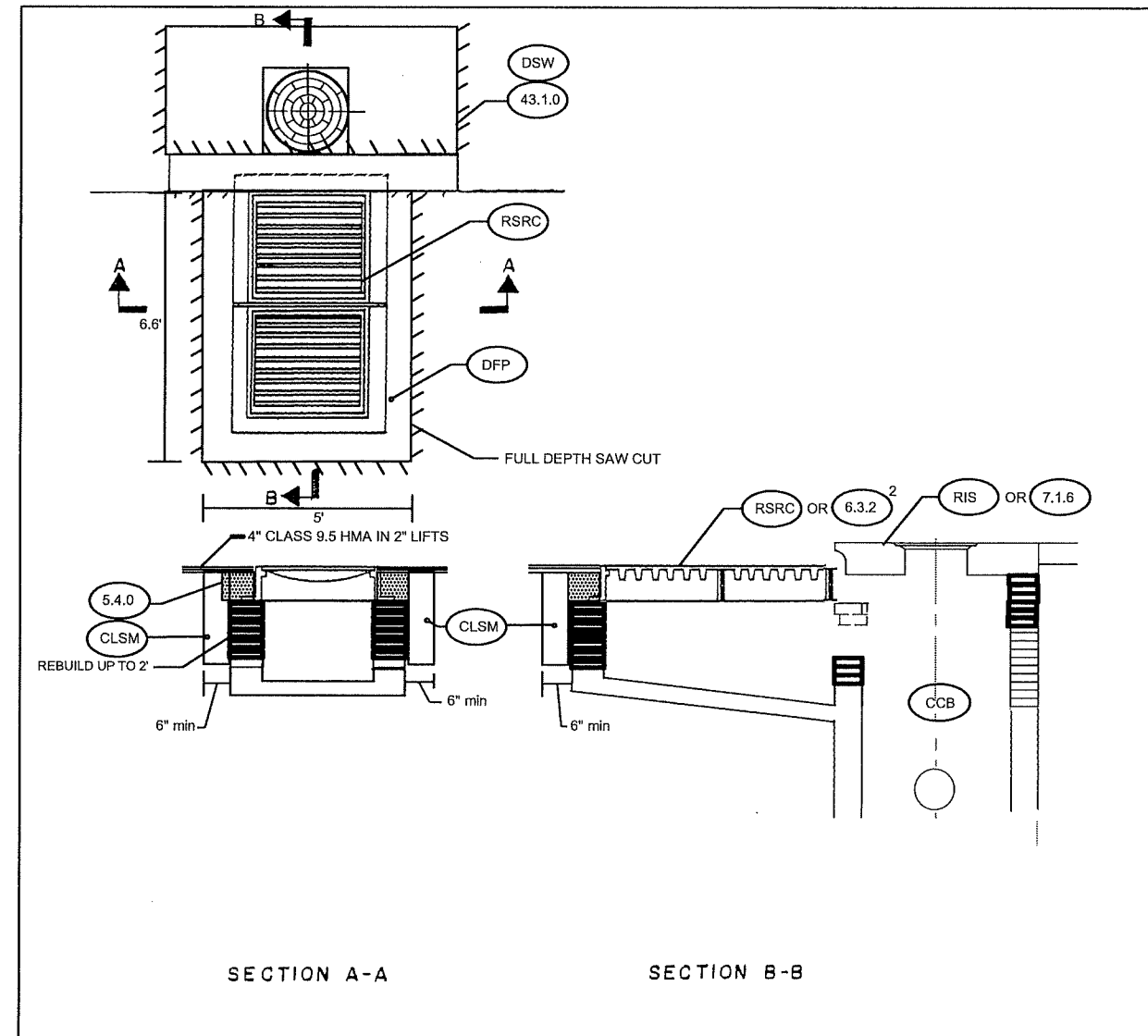
- | | | | |
|--------|-----------------------------------|--------|---|
| (DGO) | DISPOSE OF GRATE ONLY | (CFC) | CUMBERLAND SANITARY SEWER FRAME AND COVER
* 24" FRAMES AND COVERS NORTH OF I-295
* 36" FRAMES AND COVERS SOUTH OF I-295 |
| (RSRC) | REMOVE, STOCKPILE, RESET CASTINGS | (CLSM) | CONTROLLED LOW STRENGTH MATERIAL NON EXAVATABLE TYPE III |
| (RAS) | RESET APRON STONE | (CS) | CLEAN STRUCTURE |
| (RIS) | RESET INLET STONE | | |
| (RC) | REBUILD CORBEL | | |

REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION
NO.	DATE	BY	
			REPAIRS TO MENDON ROAD MANHOLES AND CATCH BASINS
			Miscellaneous Details 5
			CHECKED BY _____ DATE _____ SCALE NONE



RECONSTRUCT SPECIAL GUTTER INLET

RSGI



RECONSTRUCT CATCH BASIN WITH DOUBLE GUTTER INLET

RCBGI-D

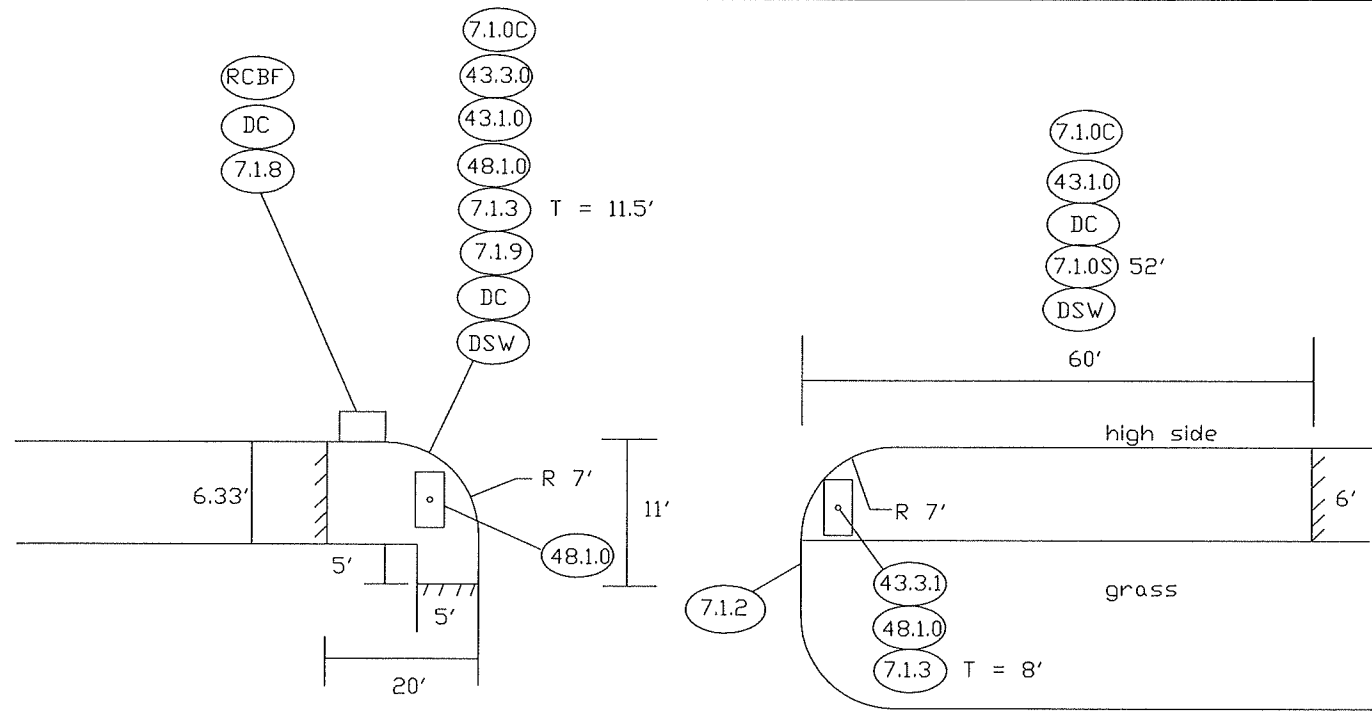
JOB SPECIFIC LEGEND:

- (DGO) DISPOSE OF GRATE ONLY
- (RSRC) REMOVE, STOCKPILE, RESET CASTINGS
- (RAS) RESET APRON STONE
- (RIS) RESET INLET STONE
- (RC) REBUILD CORBEL
- (CFC) CUMBERLAND SANITARY SEWER FRAME AND COVER
* 24" FRAMES AND COVERS NORTH OF I-295
* 36" FRAMES AND COVERS SOUTH OF I-295
- (CLSM) CONTROLLED LOW STRENGTH MATERIAL NON EXAVATABLE TYPE III
- (CS) CLEAN STRUCTURE

NOTES:

1. Parge with 1/2 inch cement mortar plaster required on all inside and exposed cleaned outside surfaces.
2. Shall be in accordance with section 702 of the R.I. Standard Specifications.
3. At the end of each working day the pavement removal operation must be left in a "squared-off" condition. Temporary bituminous patching material shall be used to bring pavement to grade and subsequently removed prior to final paving. There will be no separate payment for this requirement.
4. Castings shall be set flush (even) with the undisturbed existing pavement.

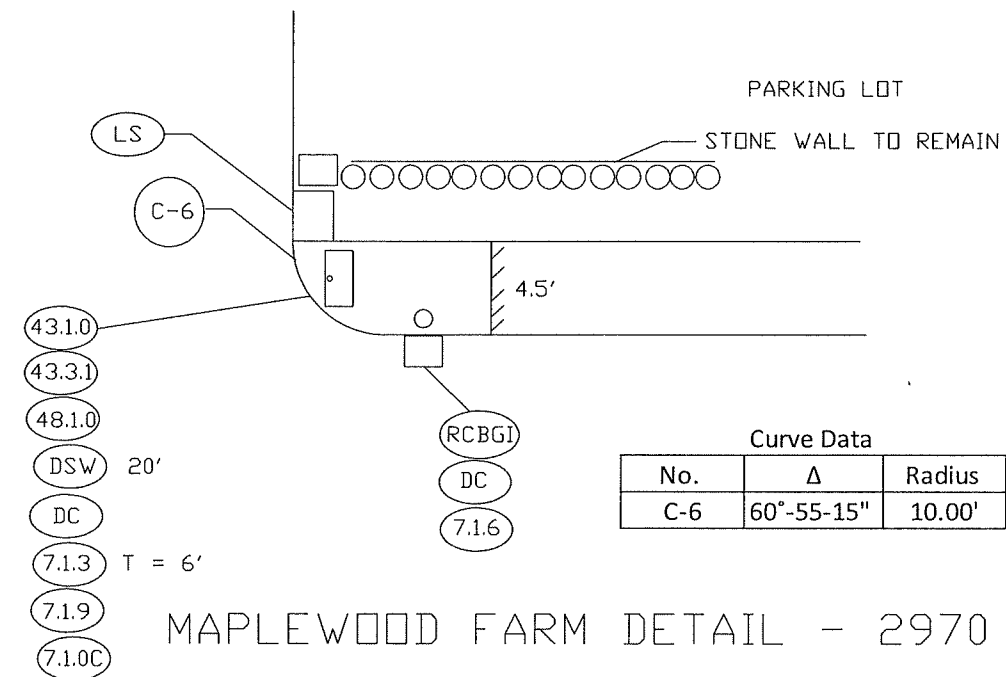
REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION
NO.	DATE	BY	
			REPAIRS TO MENDON ROAD MANHOLES AND CATCH BASINS
			Miscellaneous Details 6
			CHECKED BY _____ DATE _____ SCALE NONE



1 MENDON ROAD
Housing Authority

1 MENDON ROAD DETAIL

(HOUSING AUTHORITY)
(GP 1)
Not to Scale

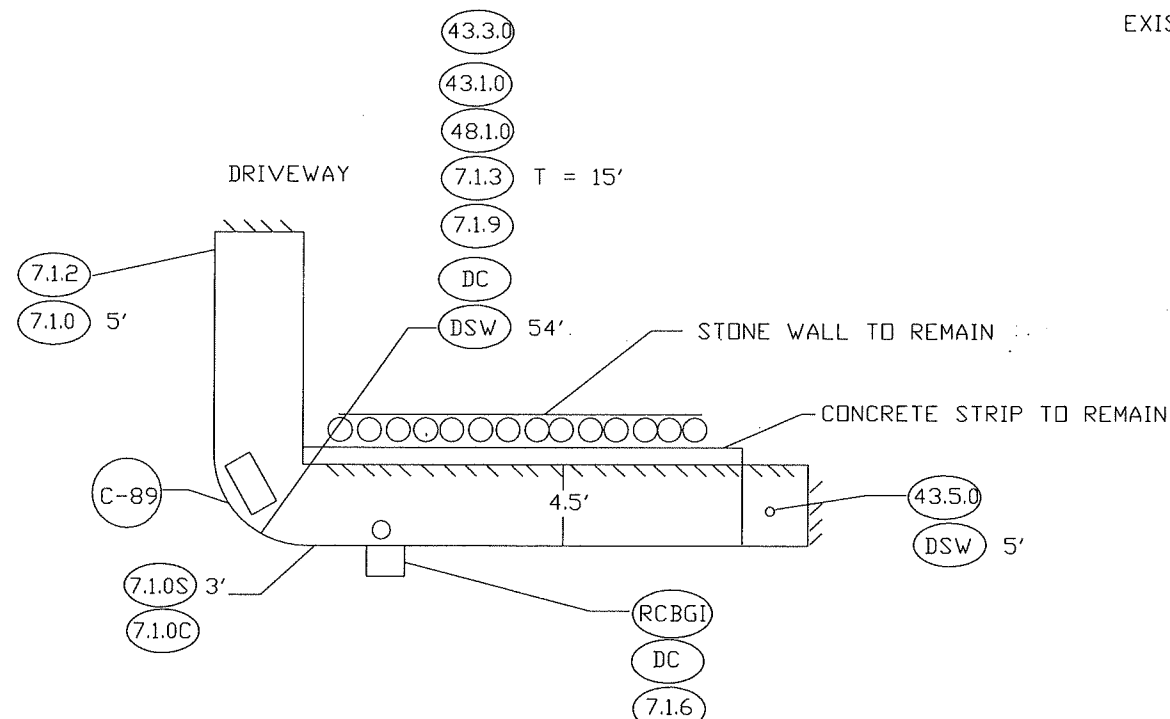


Curve Data

No.	Δ	Radius	Tangent	Length
C-6	60°-55-15"	10.00'	5.88	10.63'

MAPLEWOOD FARM DETAIL - 2970 MENDON RD

(GP 42)
Not to Scale

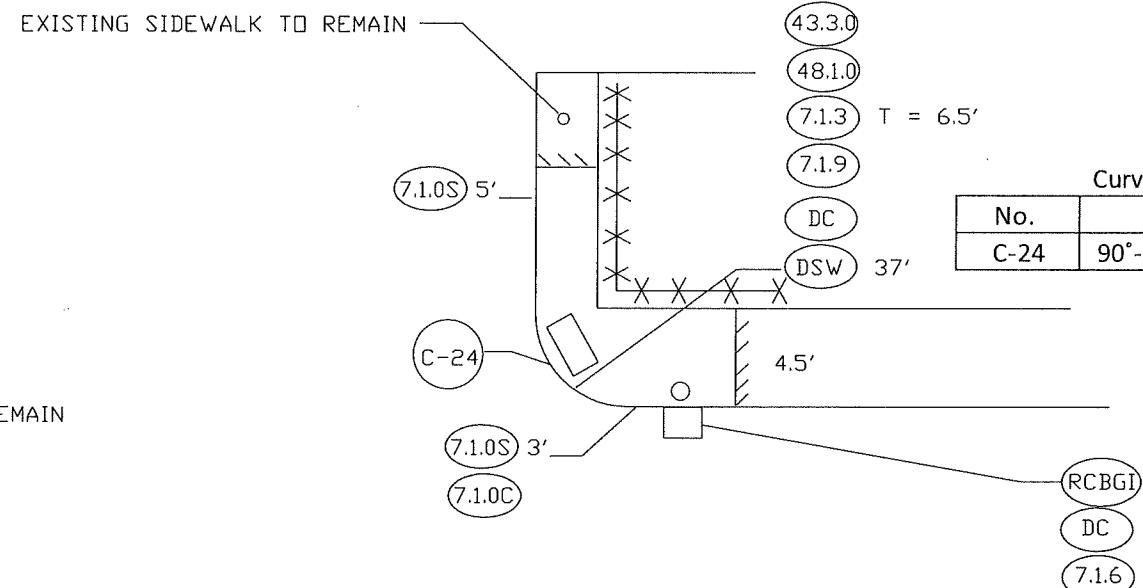


CADORET DR (NORTH) DETAIL

(GP 41)
Not to Scale

Curve Data

No.	Δ	Radius	Tangent	Length
C-89	84°-48-51"	15.00'	13.70'	22.20'



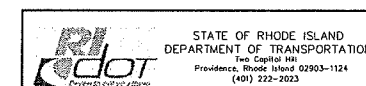
Curve Data

No.	Δ	Radius	Tangent	Length
C-24	90°-54-03"	25	27.72'	41.85'

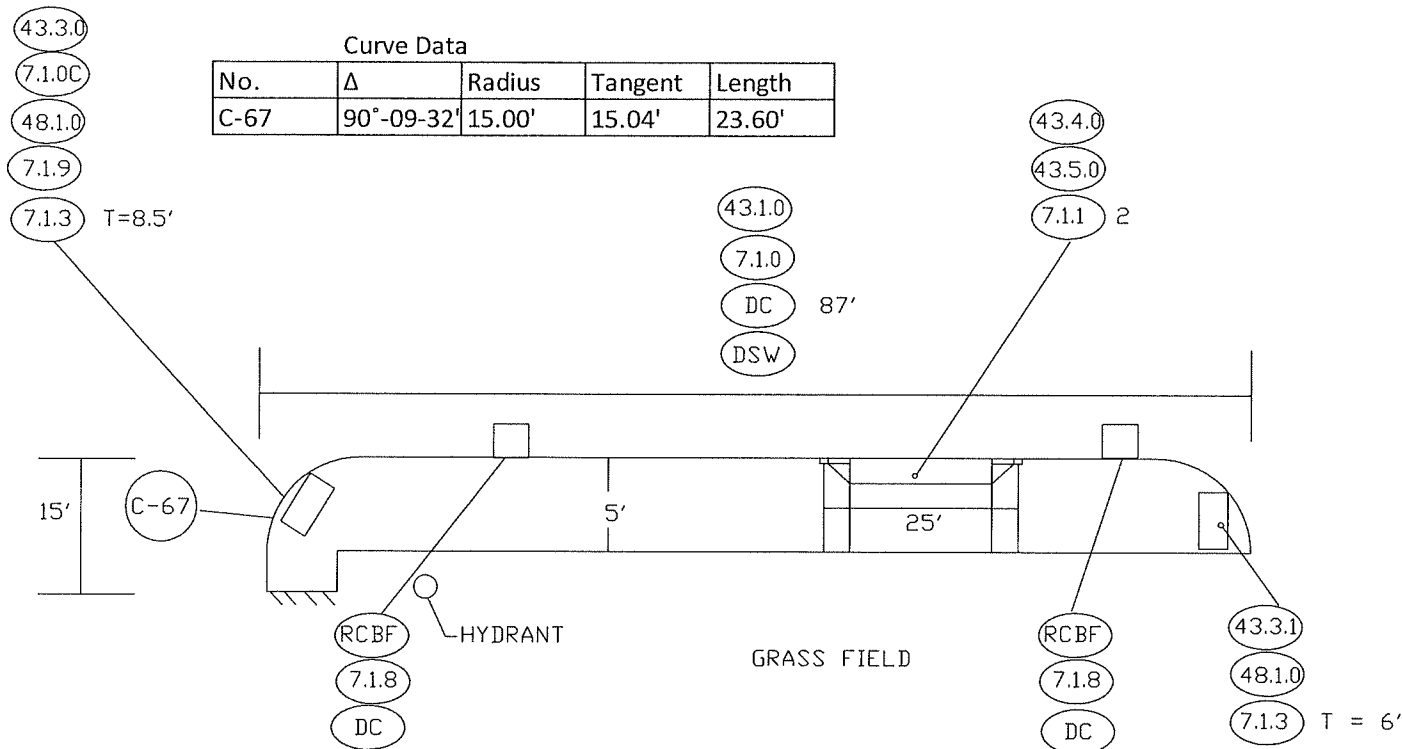
HEROUX BLVD DETAIL

(GP 46)
Not to Scale

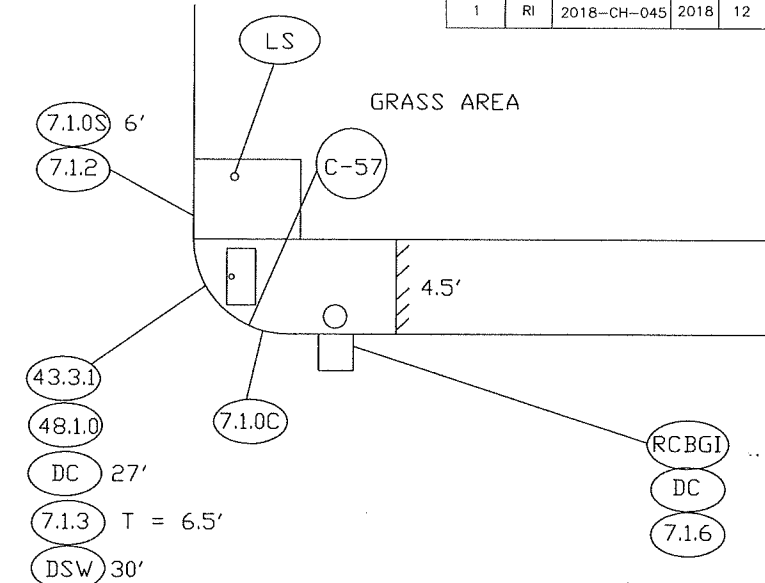
REVISIONS			RHODE ISLAND	
NO.	DATE	BY	DEPARTMENT OF TRANSPORTATION	
			REPAIRS TO MENDON ROAD	
			MANHOLES AND CATCHBASINS	
			CUMBERLAND,	RHODE ISLAND
			Sidewalks Details 1	
			CHECKED BY	DATE
			SCALE	NO SCALE



Curve Data				
No.	Δ	Radius	Tangent	Length
C-67	90°-09-32"	15.00'	15.04'	23.60'



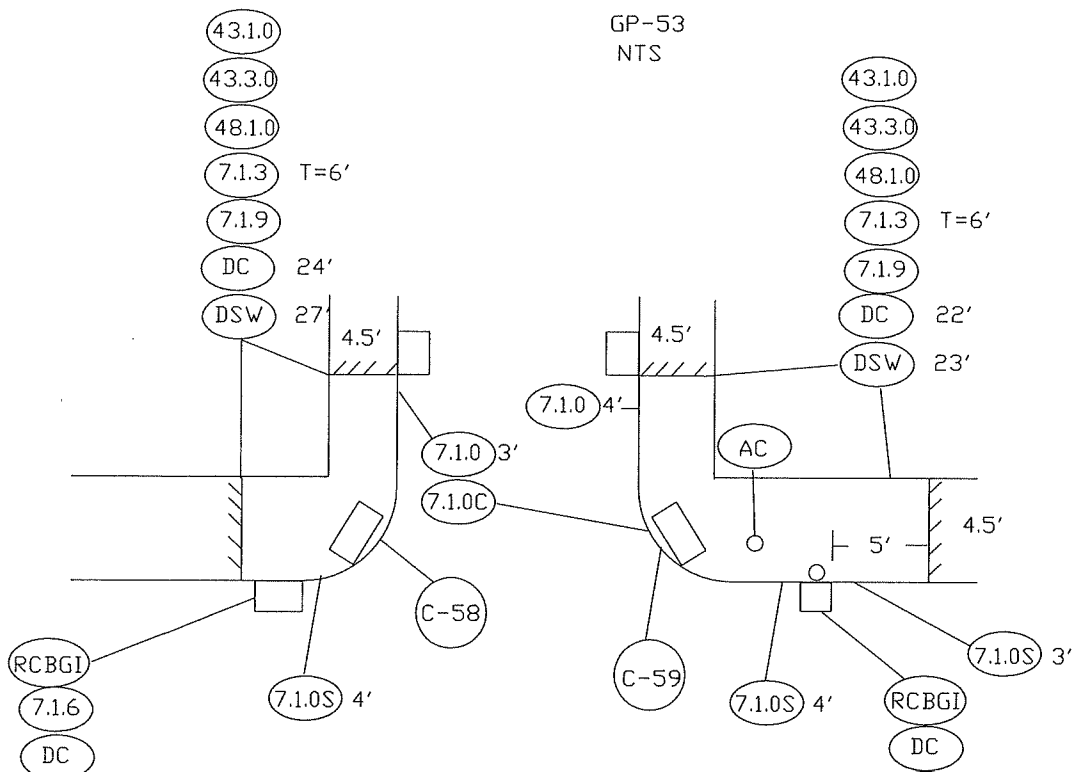
SHOPPING CENTER DETAIL
(ACROSS FROM HOMESTEAD RD)



No.	Δ	Radius	Tangent	Length
C-57	86°-18'-02"	15.00'	14.06'	22.59'

LAMBERT AVE DETAIL

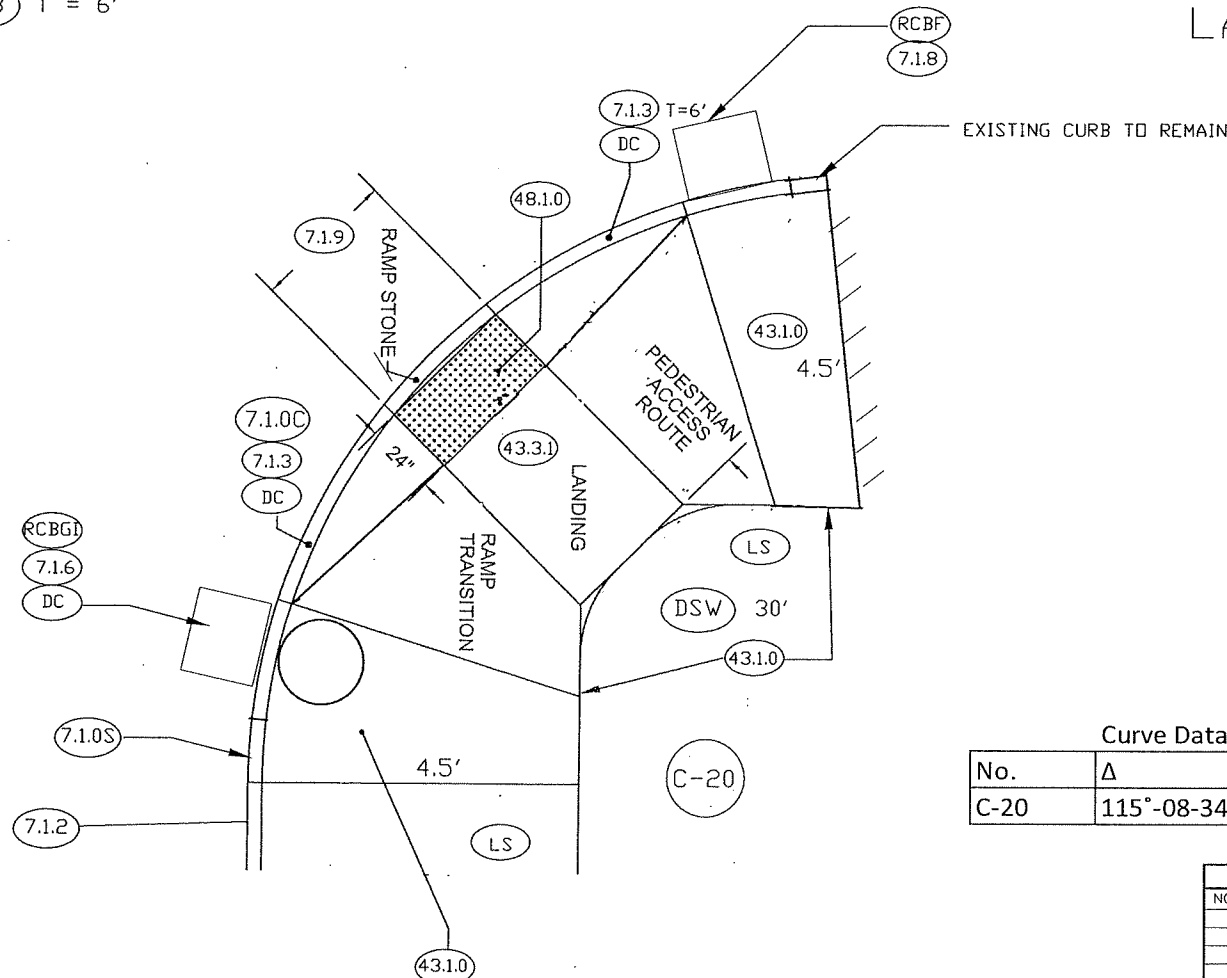
(GP 35)
NTS



SHELTER LANE DETAIL

GP-51
NTS

Curve Data				
No.	Δ	Radius	Tangent	Length
C-58	88°-32'-07"	15	14.62'	23.18
C-59	91°-21'-02"	15	15.36'	23.92'



BILTMORE AVE DETAIL

GP 56
NTS

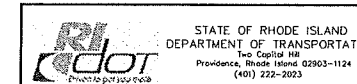
Curve Data				
No.	Δ	Radius	Tangent	Length
C-20	115°-08-34"	15.00'	23.61'	30.14'

REVISIONS		
NO.	DATE	BY

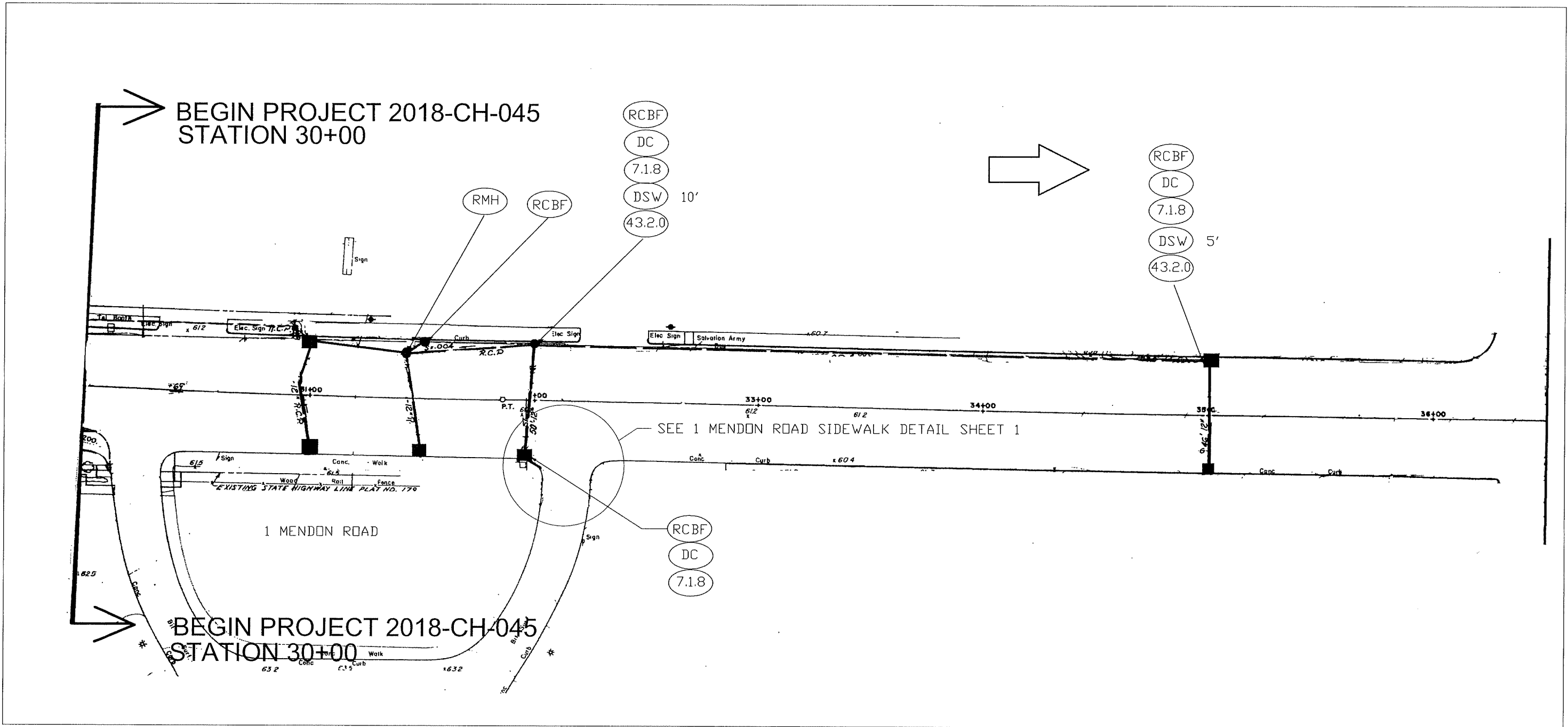
RHODE ISLAND
DEPARTMENT OF TRANSPORTATION
REPAIRS TO MENDON ROAD
MANHOLES AND CATCHBASINS
CUMBERLAND, RHODE ISLAND

Sidewalks Details 2

CHECKED BY _____ DATE _____ SCALE NO. SCALE

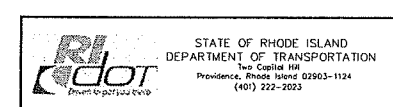


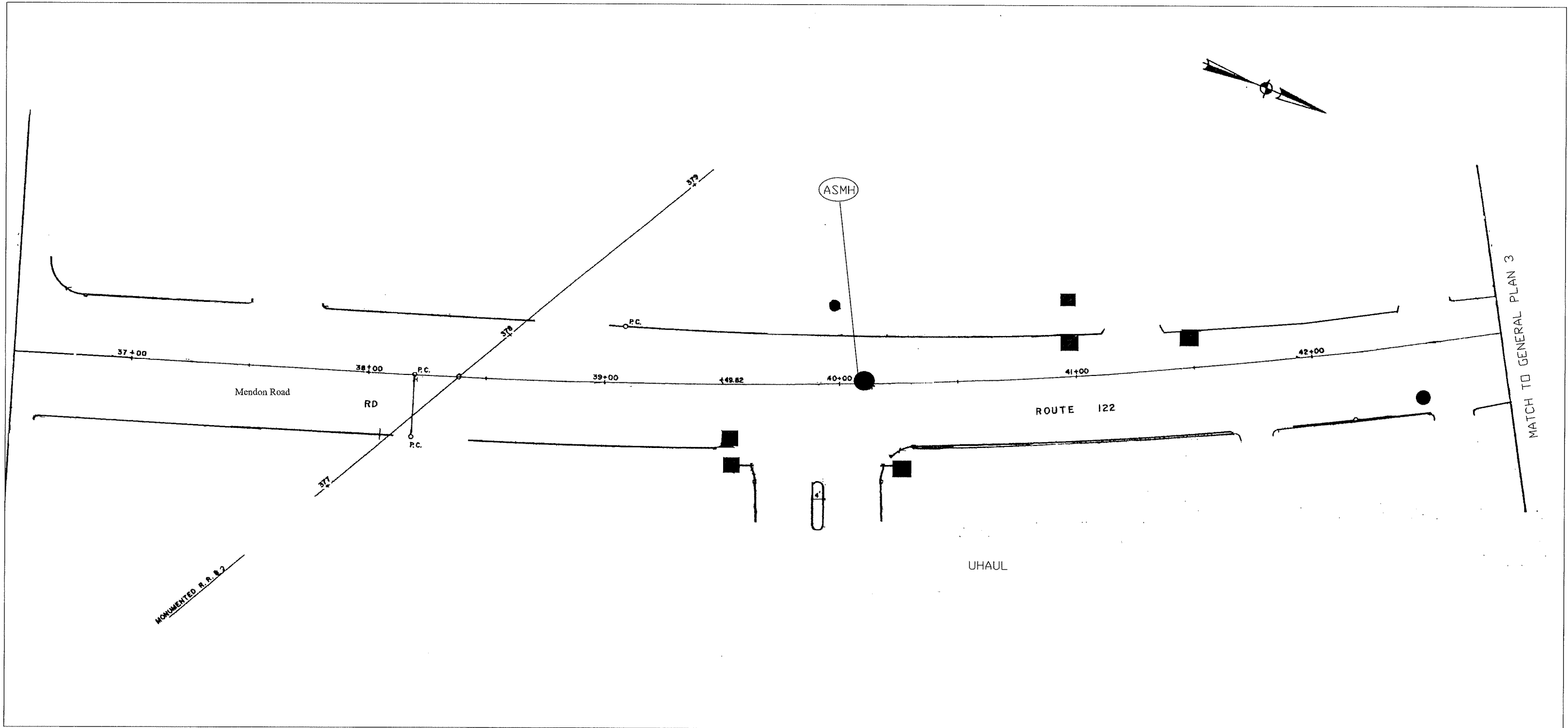
FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	RI	2018-CH-045	2018	13	71



MATCH TO GENERAL PLAN 2

REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
NO.	DATE	BY	REPAIRS TO MENDON ROAD MANHOLES AND CATCH BASINS	
			CUMBERLAND, RHODE ISLAND	
			GENERAL PLAN 1	
			CHECKED BY _____ DATE _____ SCALE NO SCALE	



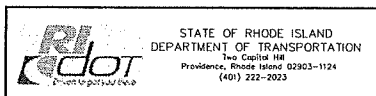


MATCH TO GENERAL PLAN 1

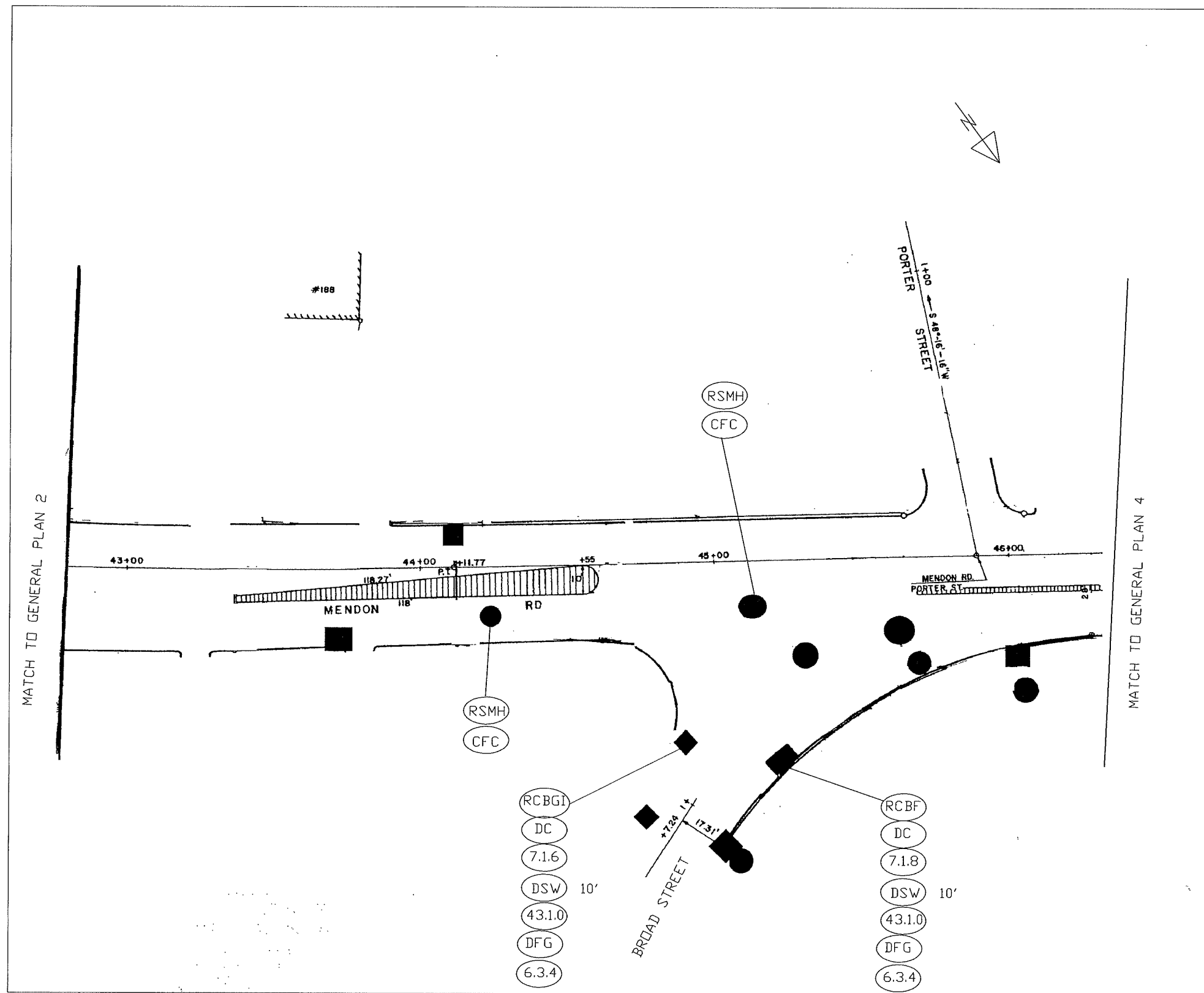
MATCH TO GENERAL PLAN 3

MONUMENTED R.R. & 2

REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
NO.	DATE	BY	REPAIRS TO MENDON ROAD MANHOLES AND CATCH BASINS	
			CUMBERLAND, RHODE ISLAND	
			GENERAL PLAN 2	
			CHECKED BY _____	DATE _____ SCALE NO. SCALE



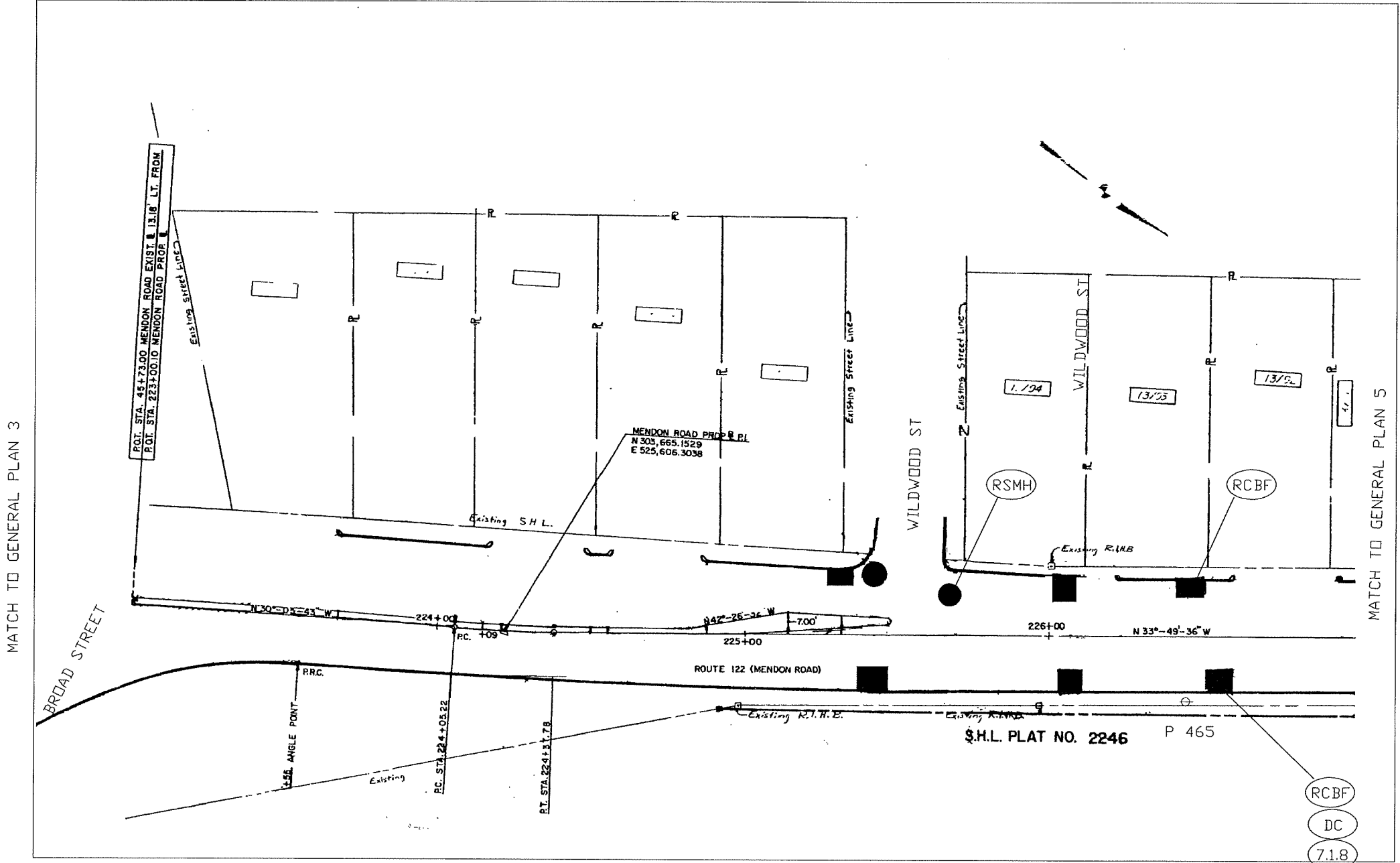
FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	RI	2018-CH-071	2018	15	71



REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
NO.	DATE	BY	REPAIRS TO MENDON ROAD MANHOLES AND CATCH BASINS	
			CUMBERLAND, RHODE ISLAND	
			GENERAL PLAN 3	
			CHECKED BY _____	DATE _____ SCALE NO. SCALE

STATE OF RHODE ISLAND
DEPARTMENT OF TRANSPORTATION
100 Capitol Hill
Providence, Rhode Island 02903-1124
(401) 222-2023

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	RI	2018-CH-045	2018	16	71



MATCH TO GENERAL PLAN 3

MATCH TO GENERAL PLAN 5

- RCBF
- DC
- 7.1.8
- DSW 5'
- 43.1.0
- DFG
- 6.3.2

S.H.L. PLAT NO. 2246 P 465

REVISIONS		
NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION
REPAIRS TO MENDON ROAD
MANHOLES AND CATCH BASINS
CUMBERLAND, RHODE ISLAND

GENERAL PLAN 4

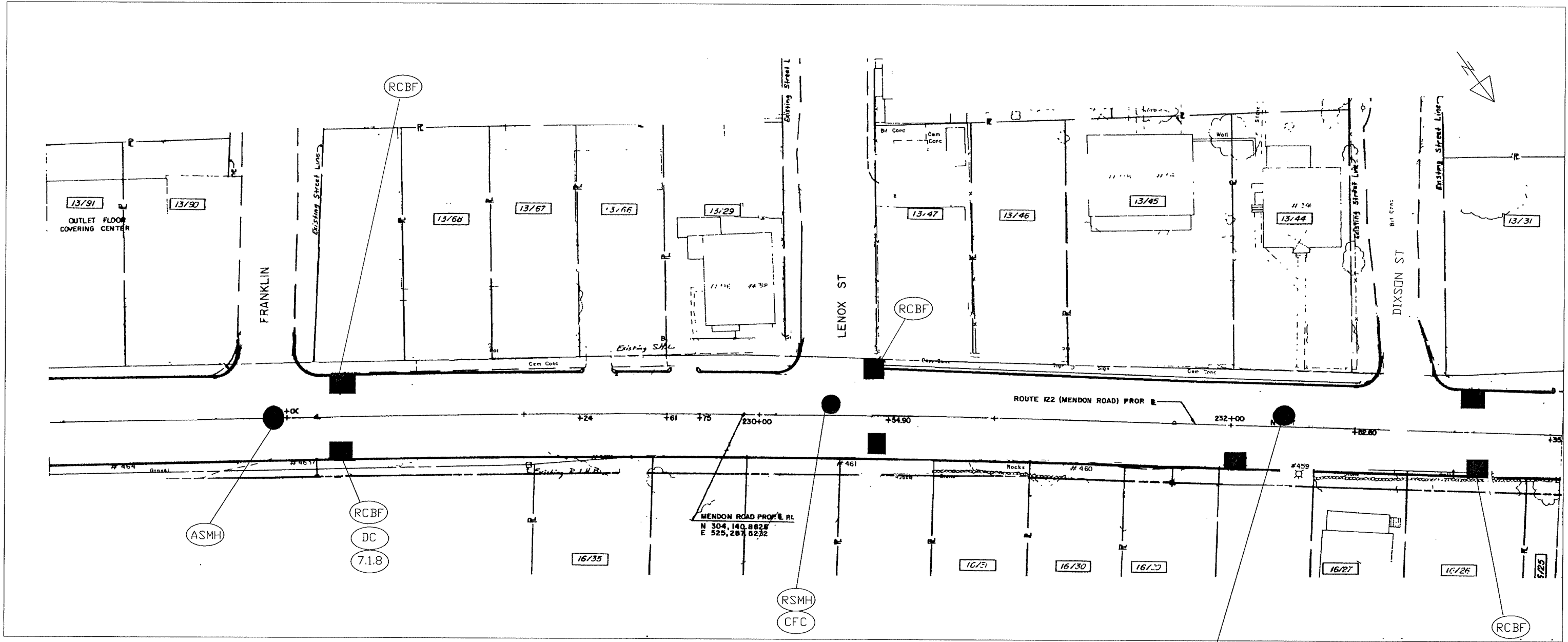
STATE OF RHODE ISLAND
DEPARTMENT OF TRANSPORTATION
110 Capitol Hill
Providence, Rhode Island 02903-1124
(401) 222-2023

CHECKED BY _____ DATE _____ SCALE NO SCALE

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	RI	2018-CH-045	2018	17	71

MATCH TO GENERAL PLAN 4

MATCH TO GENERAL PLAN 6



REVISIONS		
NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

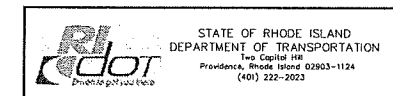
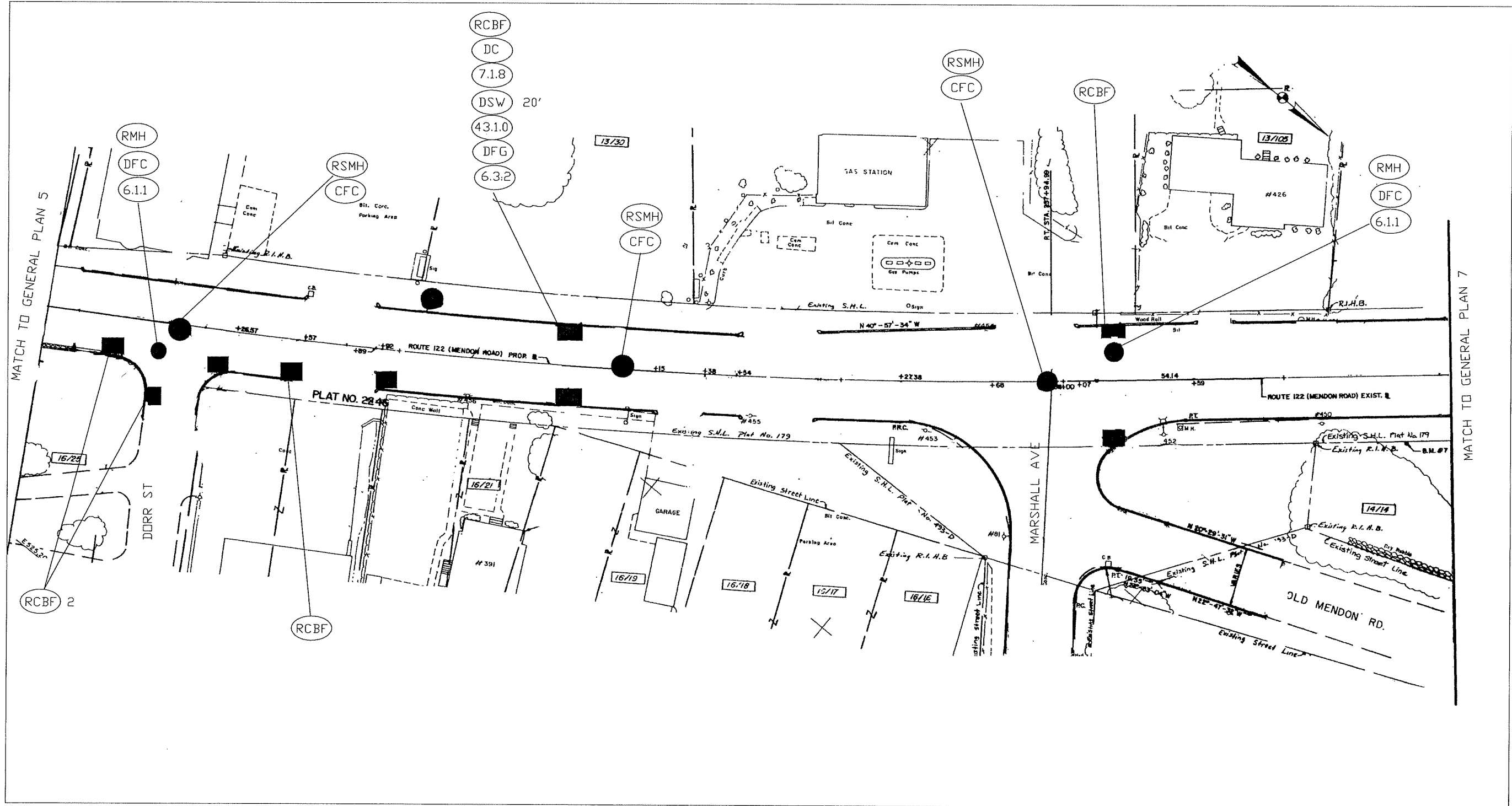
REPAIRS TO MENDON ROAD
MANHOLES AND CATCH BASINS

CUMBERLAND, RHODE ISLAND

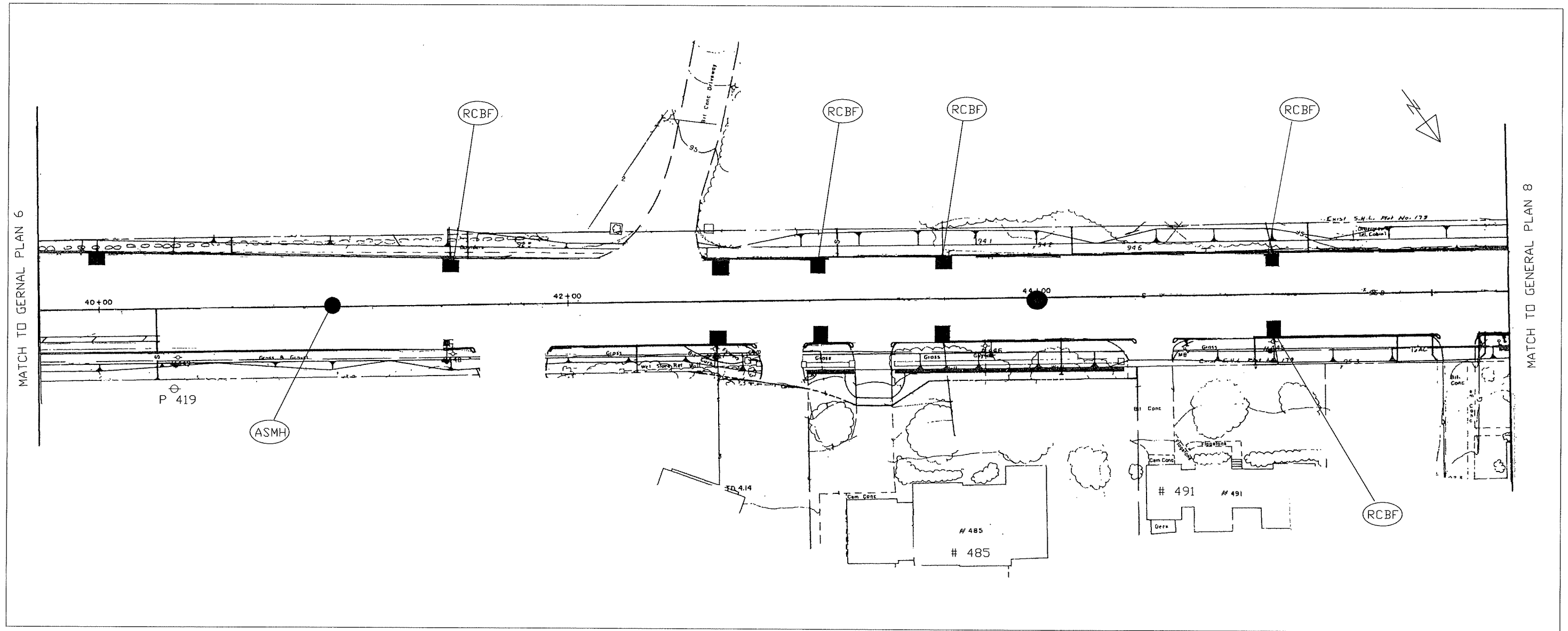
GENERAL PLAN 5

CHECKED BY _____ DATE _____ SCALE NO SCALE

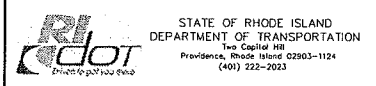
STATE OF RHODE ISLAND
DEPARTMENT OF TRANSPORTATION
The Capitol Hill
Providence, Rhode Island 02903-1124
(401) 222-2023



REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
NO.	DATE	BY	REPAIRS TO MENDON ROAD MANHOLES AND CATCH BASINS	
			CUMBERLAND, RHODE ISLAND	
			GENERAL PLAN 6	
			CHECKED BY _____ DATE _____ SCALE NO SCALE	



REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
NO.	DATE	BY	REPAIRS TO MENDON ROAD MANHOLES AND CATCH BASINS	
			CUMBERLAND, RHODE ISLAND	
			GENERAL PLAN 7	
			CHECKED BY _____	DATE _____ SCALE NO. SCALE

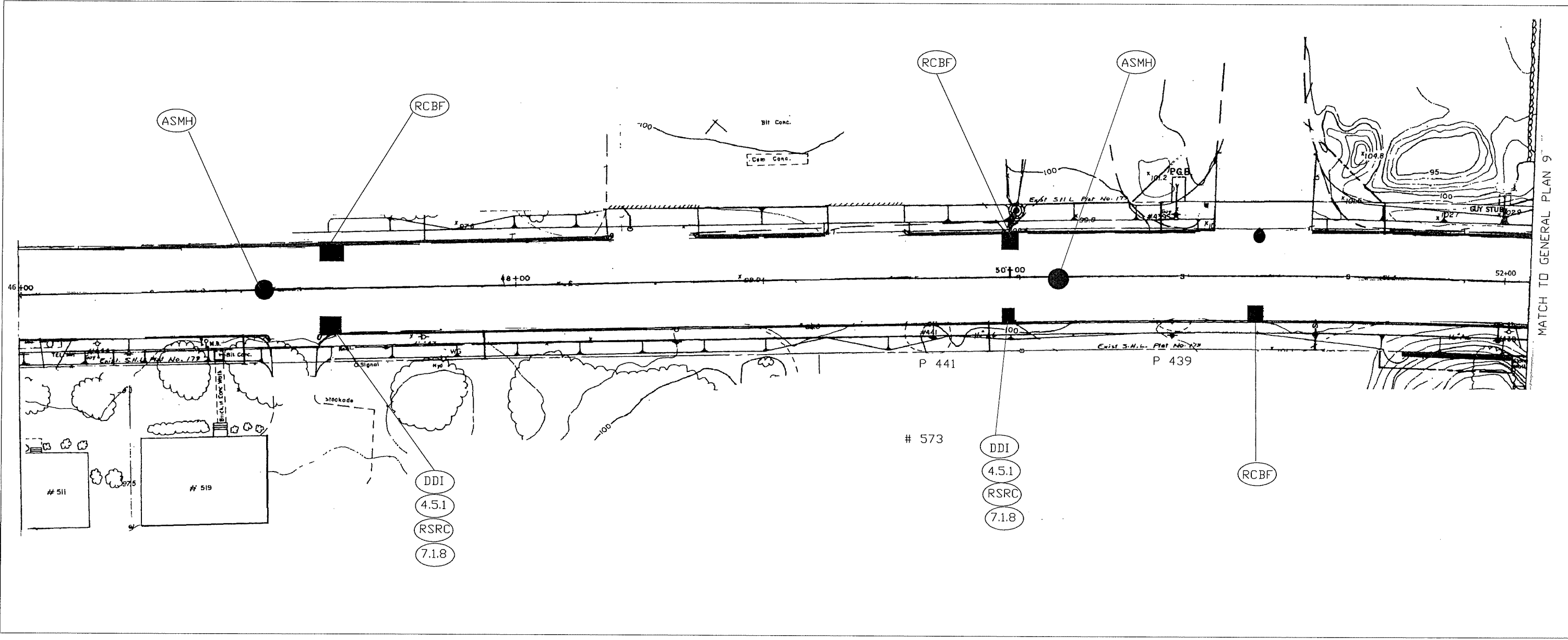


FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	RI	2018-CH-045	2018	20	71



MATCH TO GENERAL PLAN 7

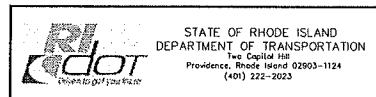
MATCH TO GENERAL PLAN 9



REVISIONS		
NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION
REPAIRS TO MENDON ROAD
MANHOLES AND CATCH BASINS
CUMBERLAND, RHODE ISLAND

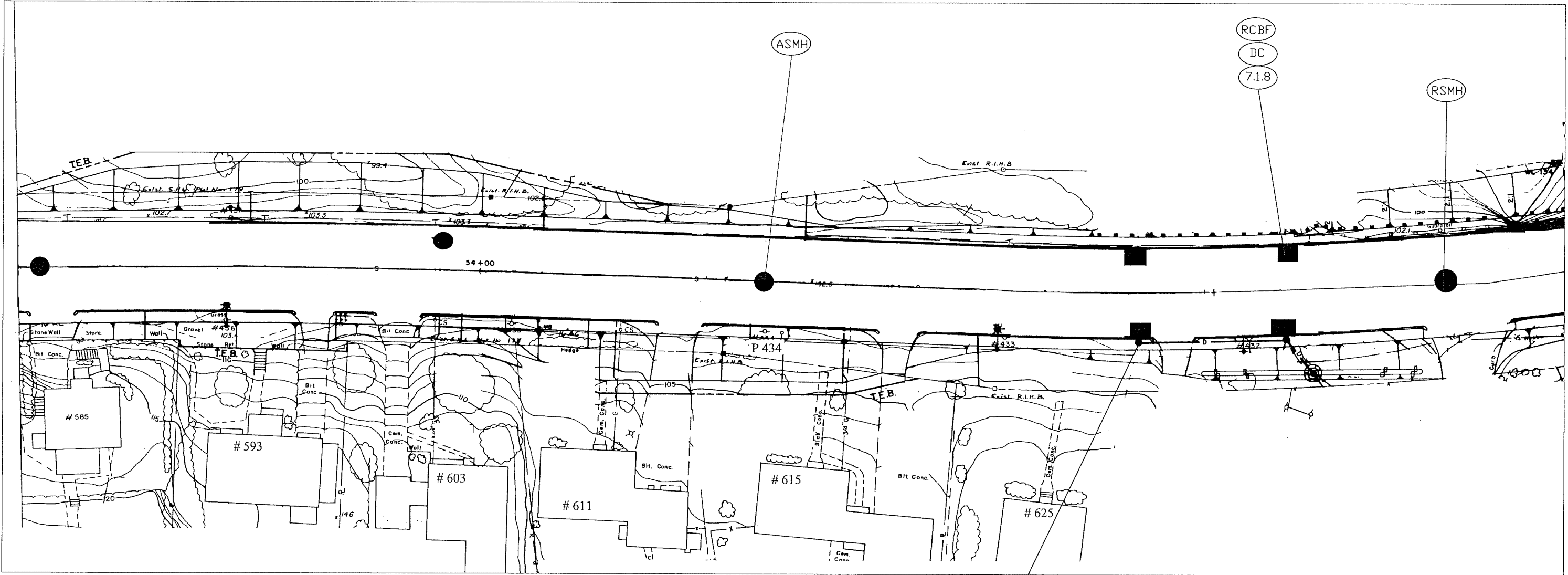
GENERAL PLAN 8



CHECKED BY _____ DATE _____ SCALE NO SCALE

MATCH TO GENERAL PLAN 8

MATCH TO GENERAL PLAN 10

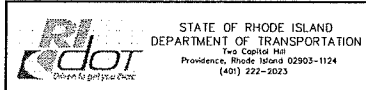


- (RCBGI)
- (DC)
- (7.1.6)
- (DSW 10')
- (43.1.0)

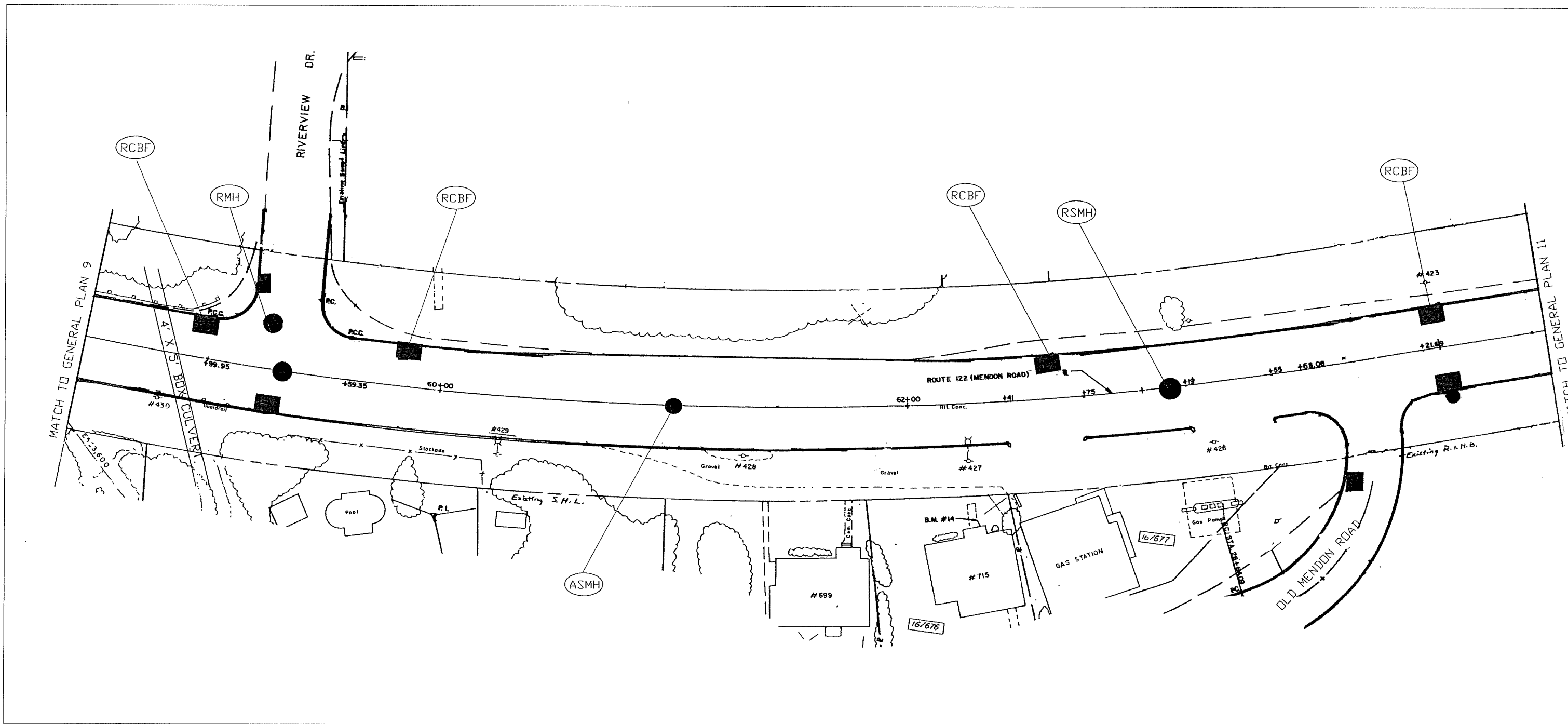
REVISIONS		
NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION
REPAIRS TO MENDON ROAD
MANHOLES AND CATCH BASINS
 CUMBERLAND, RHODE ISLAND

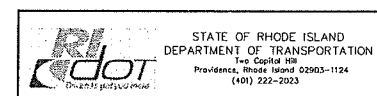
GENERAL PLAN 9

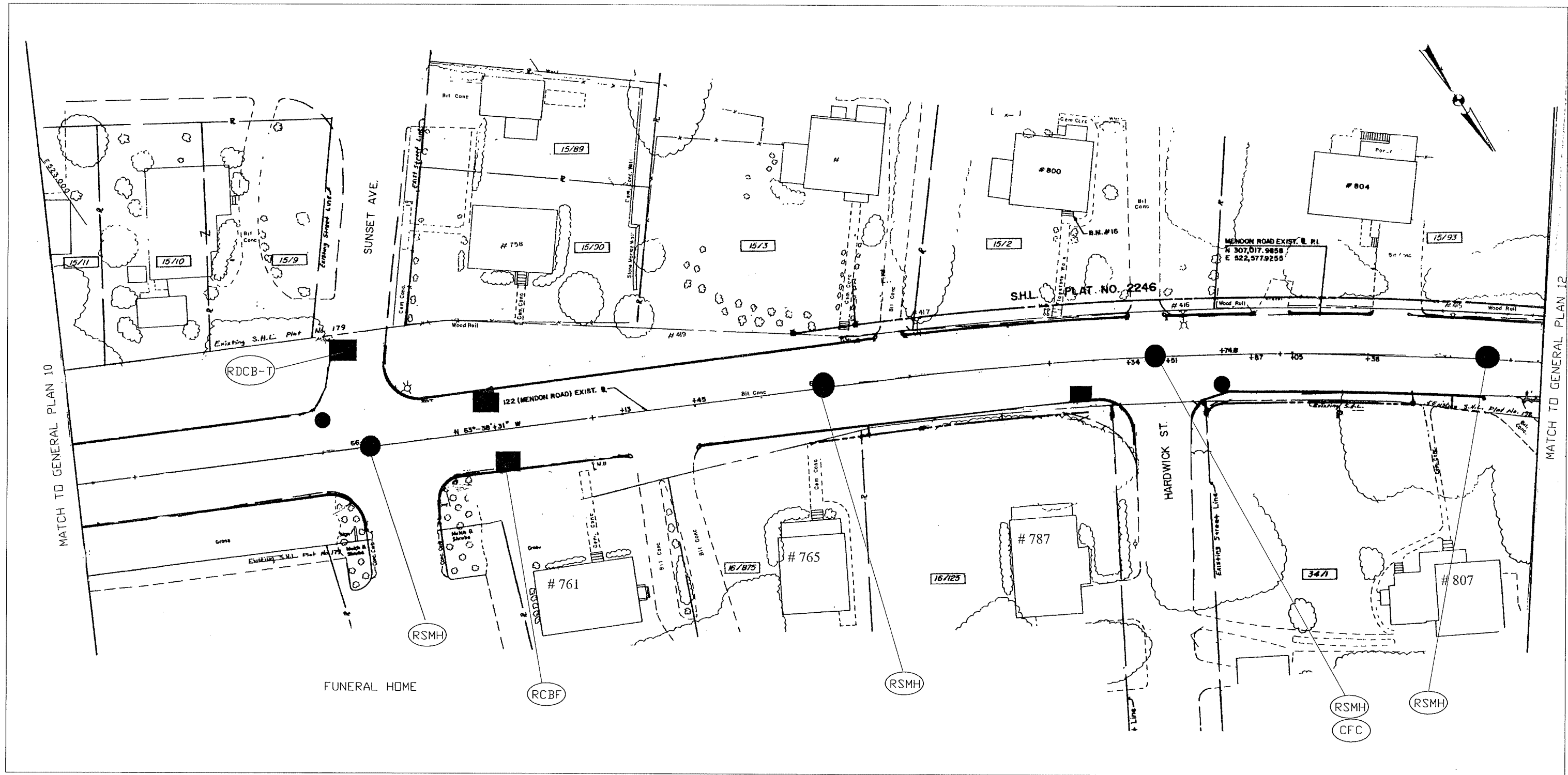


CHECKED BY _____ DATE _____ SCALE NO SCALE

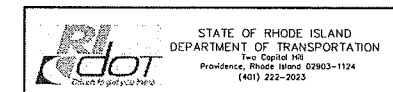


REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
NO.	DATE	BY	REPAIRS TO MENDON ROAD MANHOLES AND CATCH BASINS	
			CUMBERLAND, RHODE ISLAND	
			GENERAL PLAN 10	
			CHECKED BY _____ DATE _____ SCALE NO SCALE	





ADDENDUM NO. 1



REVISIONS		
NO.	DATE	BY

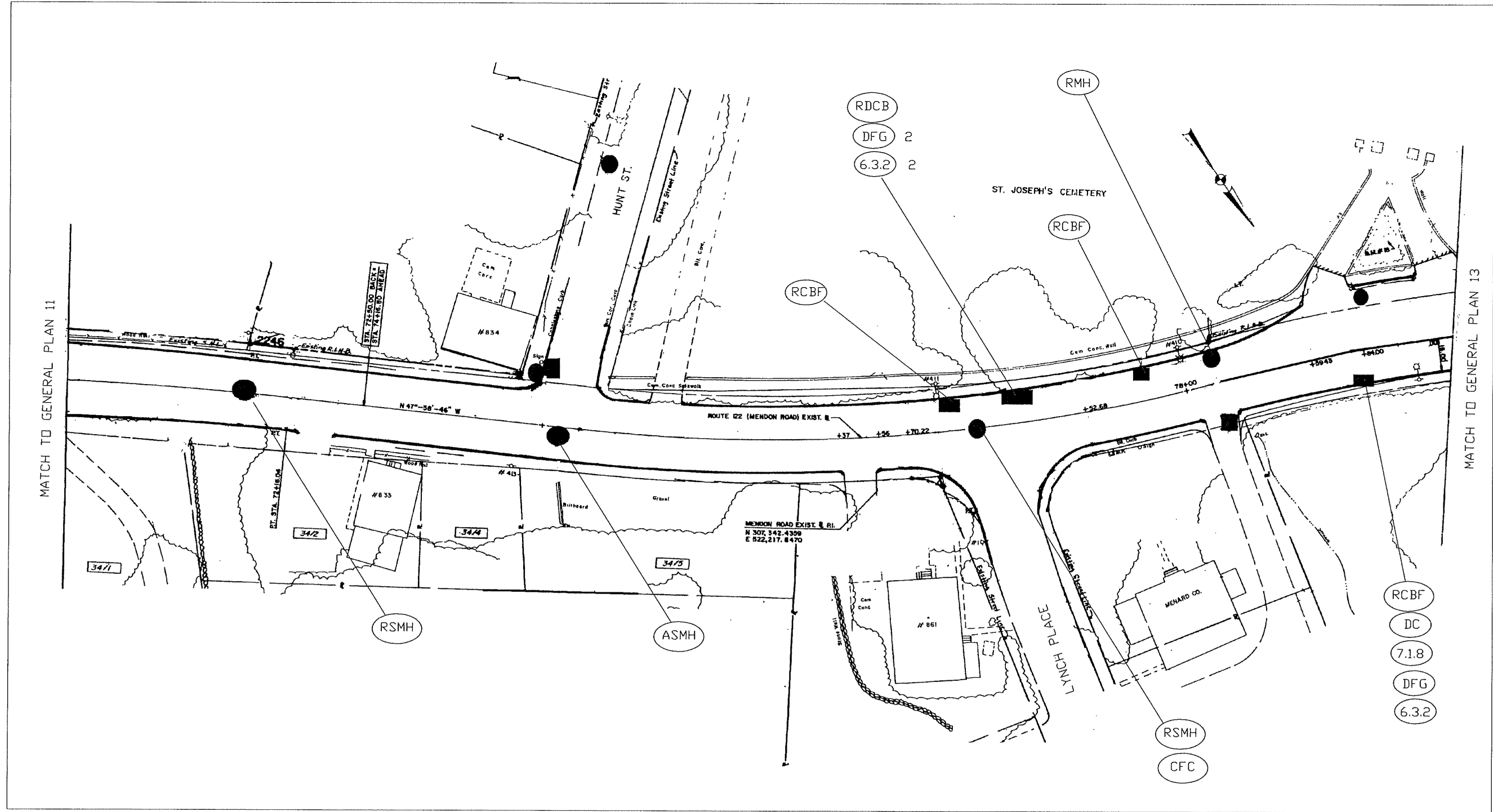
RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

**REPAIRS TO MENDON ROAD
MANHOLES AND CATCH BASINS**

CUMBERLAND, RHODE ISLAND

GENERAL PLAN 11

CHECKED BY _____ DATE _____ SCALE NO SCALE



REVISIONS			NO.	DATE	BY
NO.	DATE	BY			

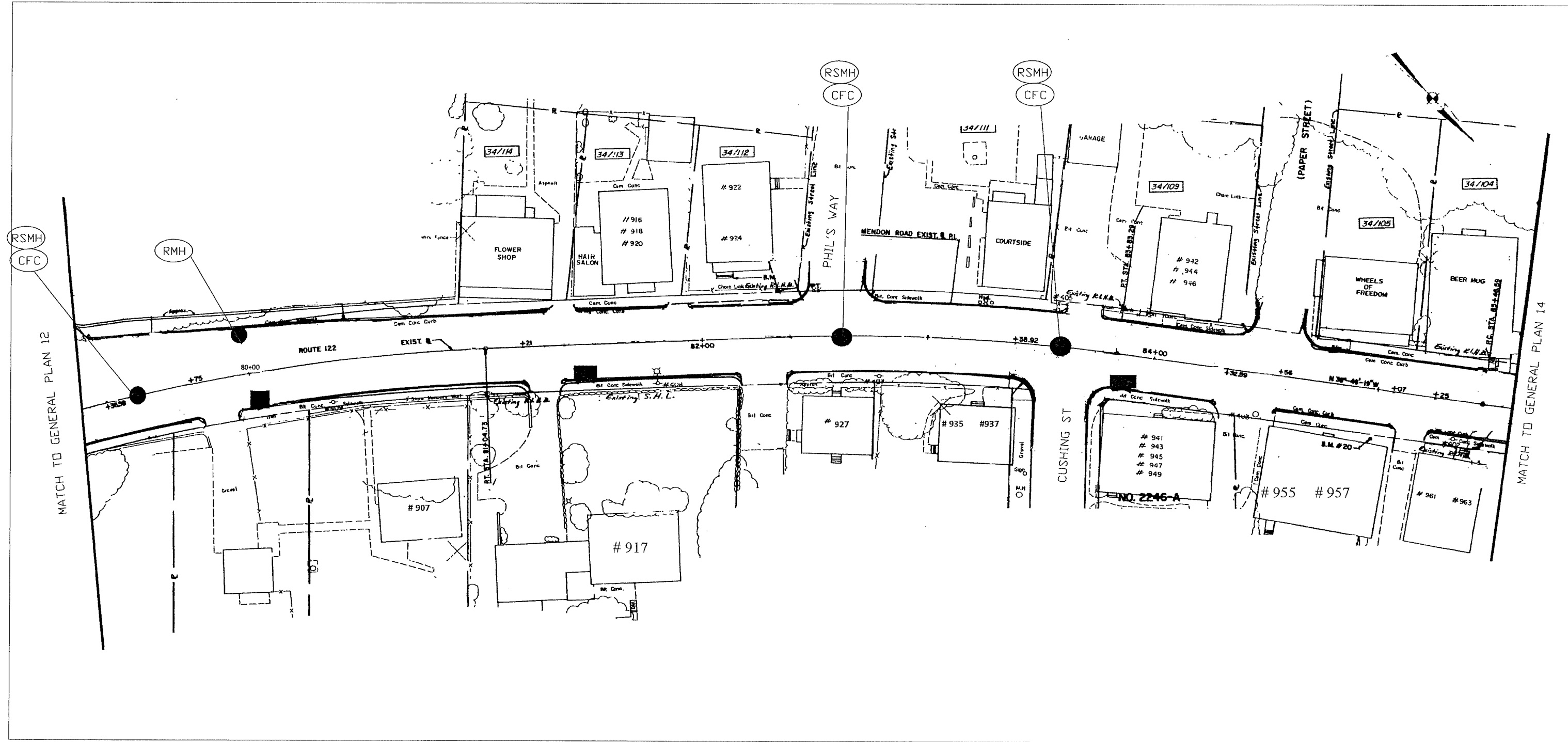
RHODE ISLAND
DEPARTMENT OF TRANSPORTATION
REPAIRS TO MENDON ROAD
MANHOLES AND CATCH BASINS
 CUMBERLAND, RHODE ISLAND

GENERAL PLAN 12

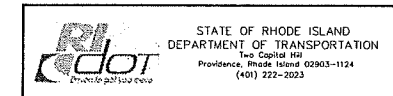
CHECKED BY _____ DATE _____ SCALE NO. SCALE.

STATE OF RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION
 Two Capital Hill
 Providence, Rhode Island 02903-1124
 (401) 222-2023

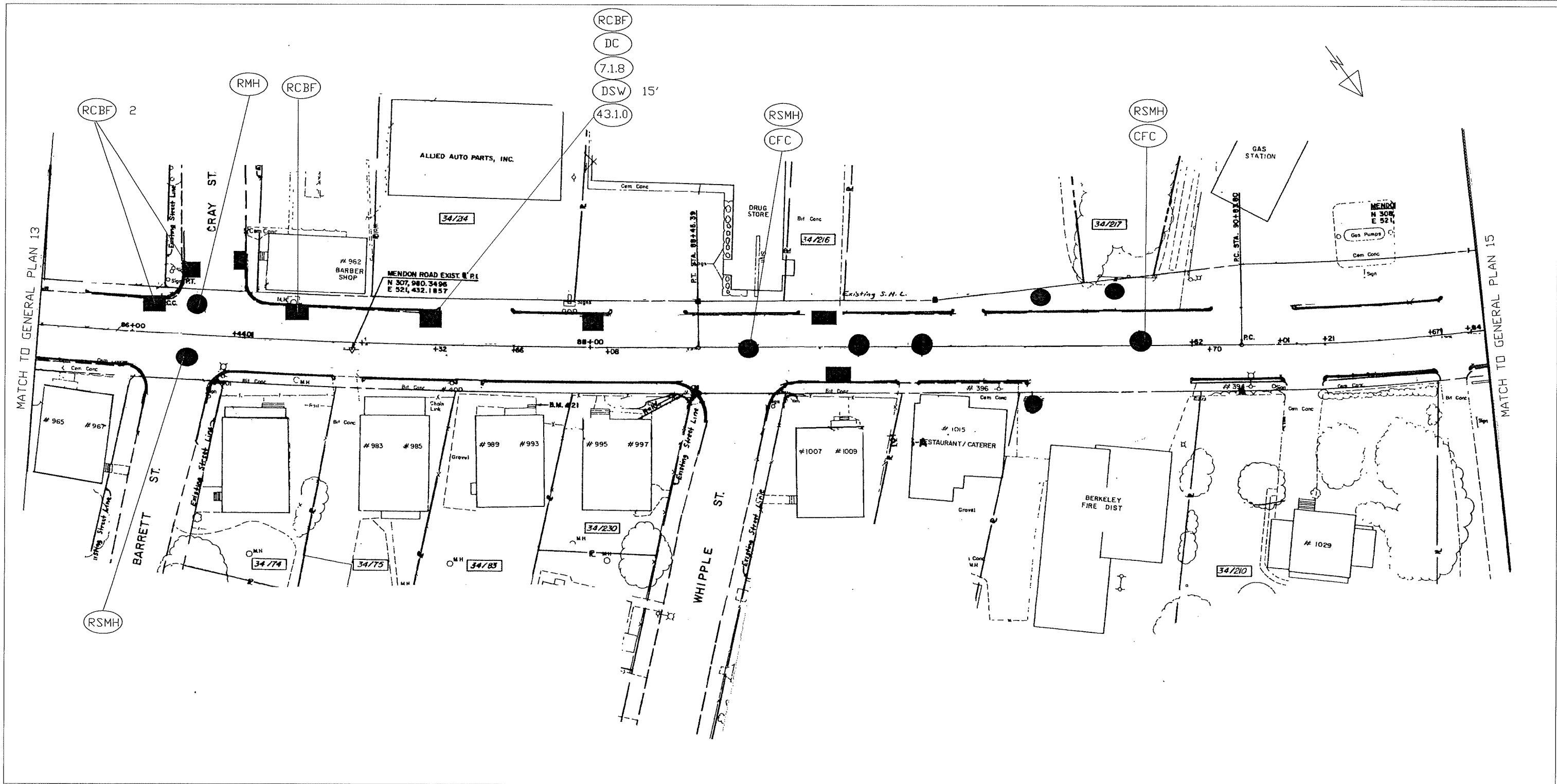
FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	RI	2018-CH-045	2018	25	71



ADDENDUM NO. 1

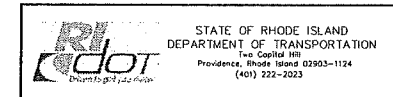


REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION REPAIRS TO MENDON ROAD MANHOLES AND CATCH BASINS CUMBERLAND, RHODE ISLAND GENERAL PLAN 13
NO.	DATE	BY	
CHECKED BY _____ DATE _____ SCALE NO. SCALE			

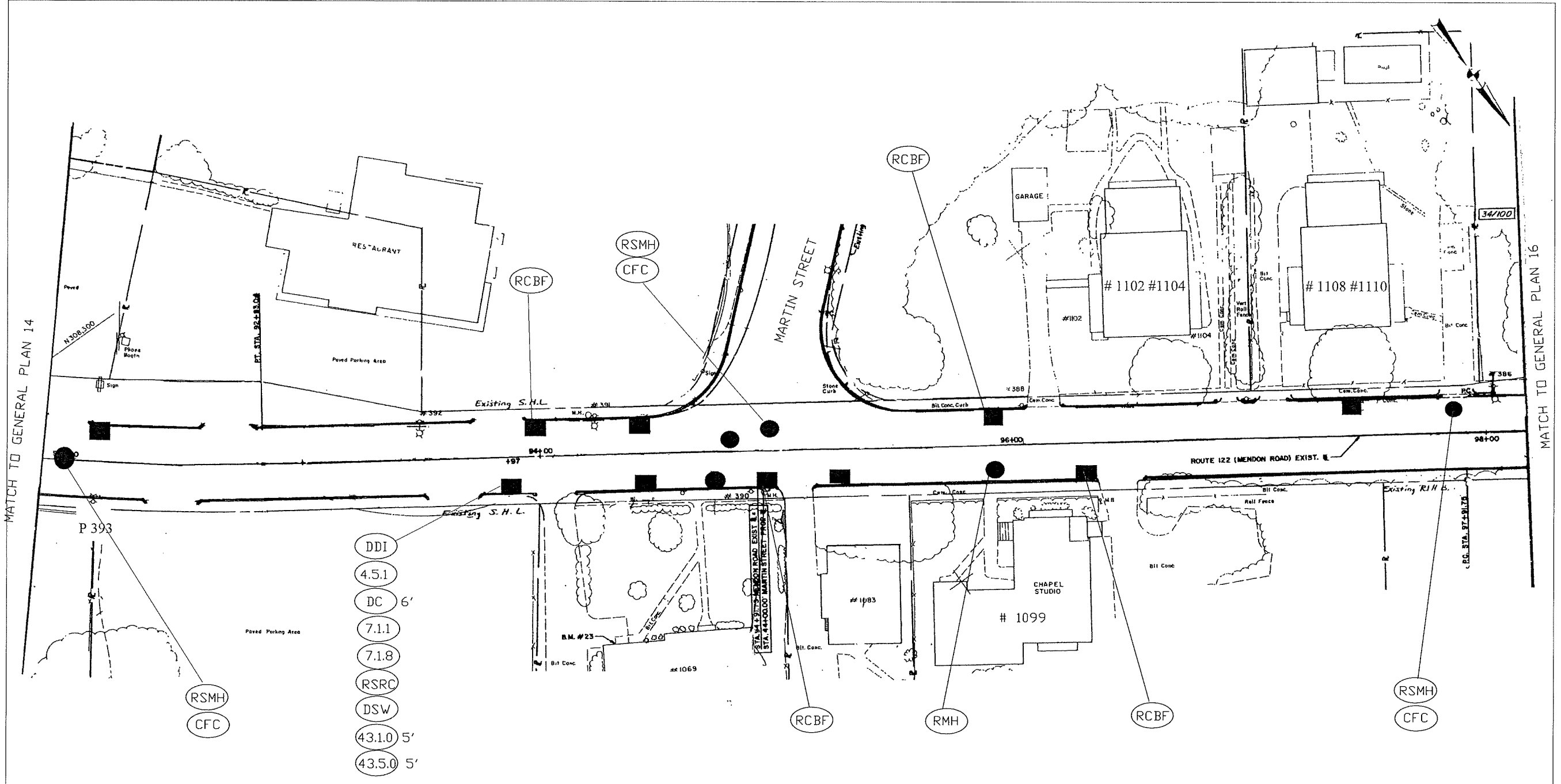


REVISIONS		
NO.	DATE	BY

RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
REPAIRS TO MENDON ROAD MANHOLES AND CATCH BASINS	
CUMBERLAND,	RHODE ISLAND
GENERAL PLAN 14	
CHECKED BY _____	DATE _____ SCALE NO SCALE



FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	RI	2018-CH-045	2018	27	71



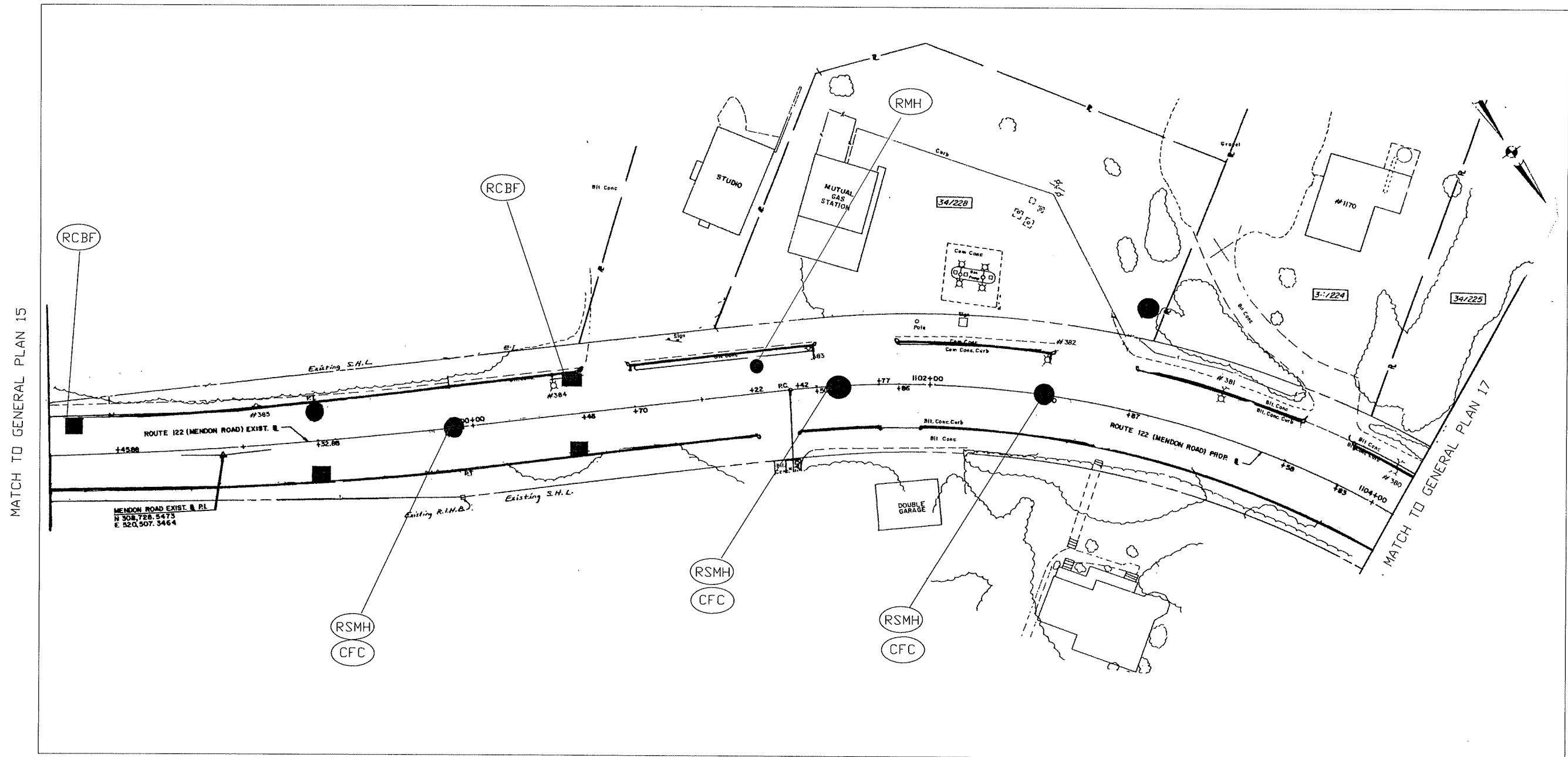
MATCH TO GENERAL PLAN 14

MATCH TO GENERAL PLAN 16

- DDI
- 4.5.1
- DC 6'
- 7.1.1
- 7.1.8
- RSRC
- DSW
- 43.1.0 5'
- 43.5.0 5'

REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
NO.	DATE	BY	REPAIRS TO MENDON ROAD MANHOLES AND CATCH BASINS	
			CUMBERLAND, RHODE ISLAND	
			GENERAL PLAN 15	
			CHECKED BY _____ DATE _____ SCALE NO SCALE	

STATE OF RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION
The Capital Hill
 Providence, Rhode Island 02903-1124
 (401) 222-2023

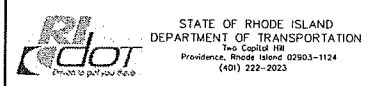


MATCH TO GENERAL PLAN 15

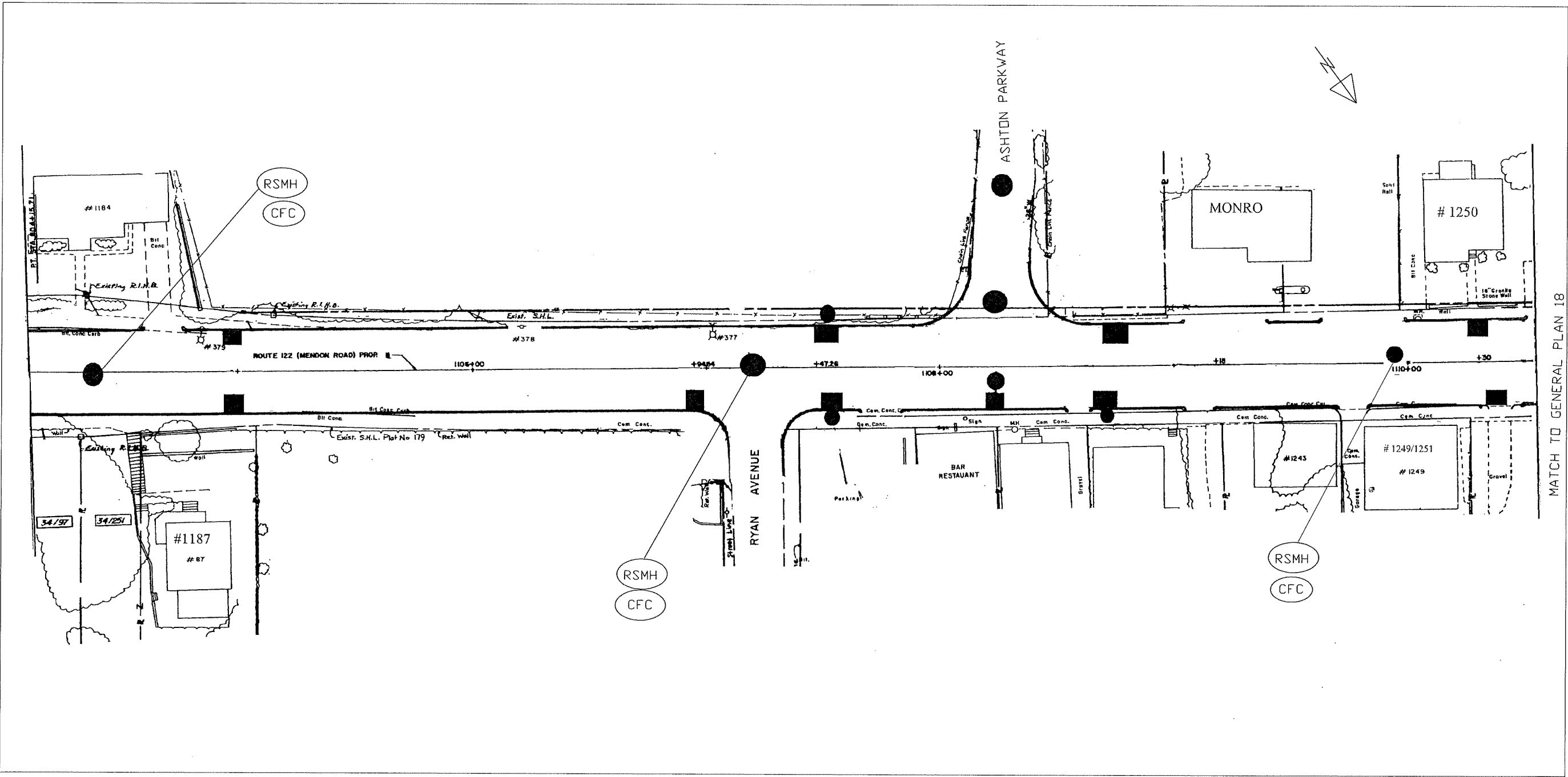
MATCH TO GENERAL PLAN 17

MENDON ROAD EXIST. & PL
N 308,728.5473
E 320,507.3464

REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
NO.	DATE	BY	REPAIRS TO MENDON ROAD MANHOLES AND CATCH BASINS	
			CUMBERLAND, RHODE ISLAND	
			GENERAL PLAN 16	
			CHECKED BY _____	DATE _____ SCALE NO SCALE



FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	RI	2018-CH-045	2018	29	71

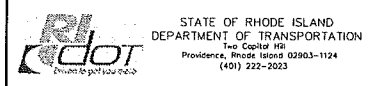


MATCH TO GENERAL PLAN 16

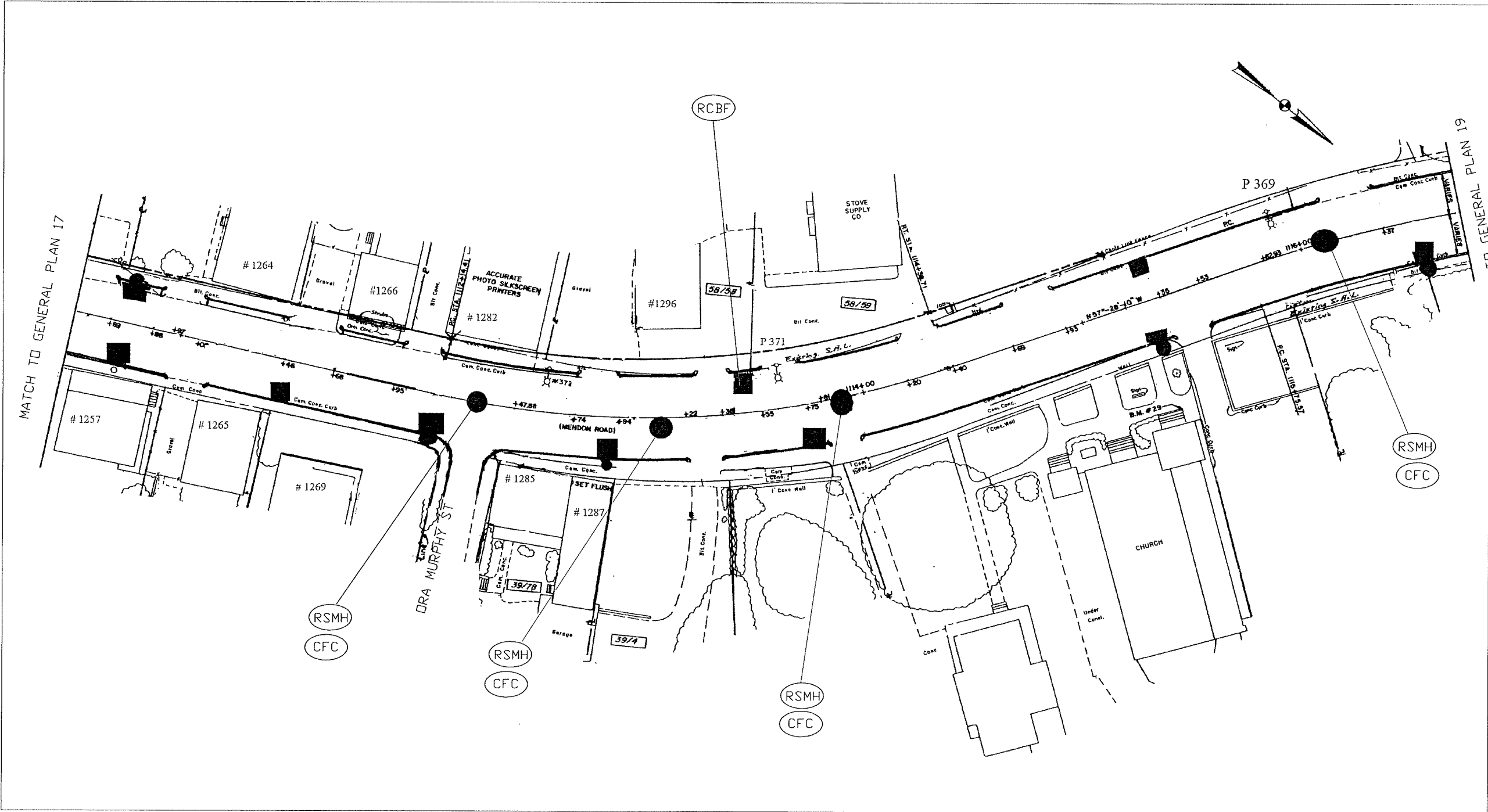
MATCH TO GENERAL PLAN 18

REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION
NO.	DATE	BY	
			REPAIRS TO MENDON ROAD MANHOLES AND CATCH BASINS CUMBERLAND, RHODE ISLAND

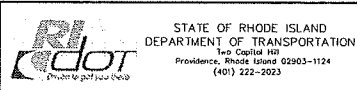
GENERAL PLAN 17



CHECKED BY _____ DATE _____ SCALE NO SCALE



ADDENDUM NO. 1



REVISIONS		
NO.	DATE	BY

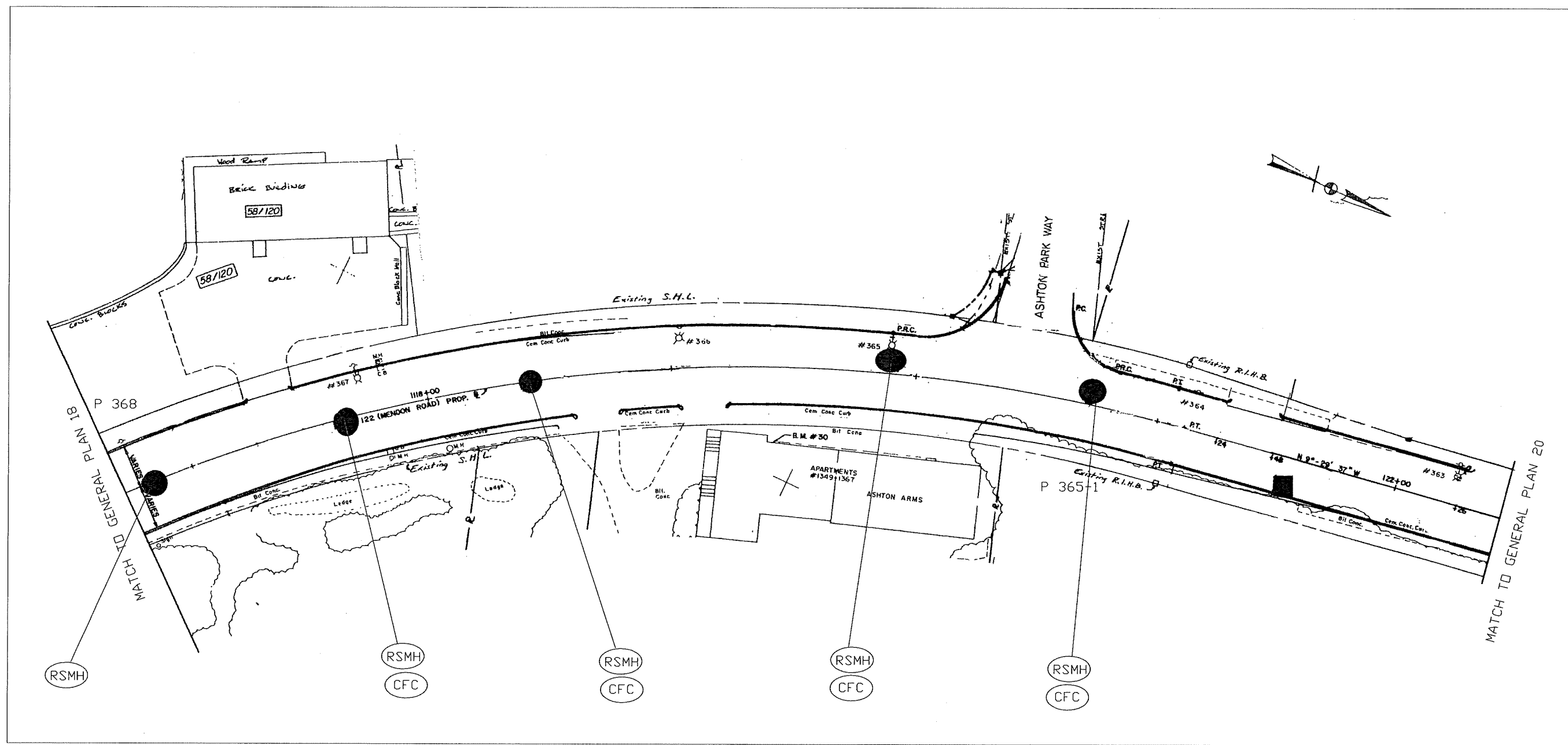
RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

**REPAIRS TO MENDON ROAD
MANHOLES AND CATCH BASINS**

CUMBERLAND, RHODE ISLAND

GENERAL PLAN 18

CHECKED BY _____ DATE _____ SCALE NO. SCALE _____

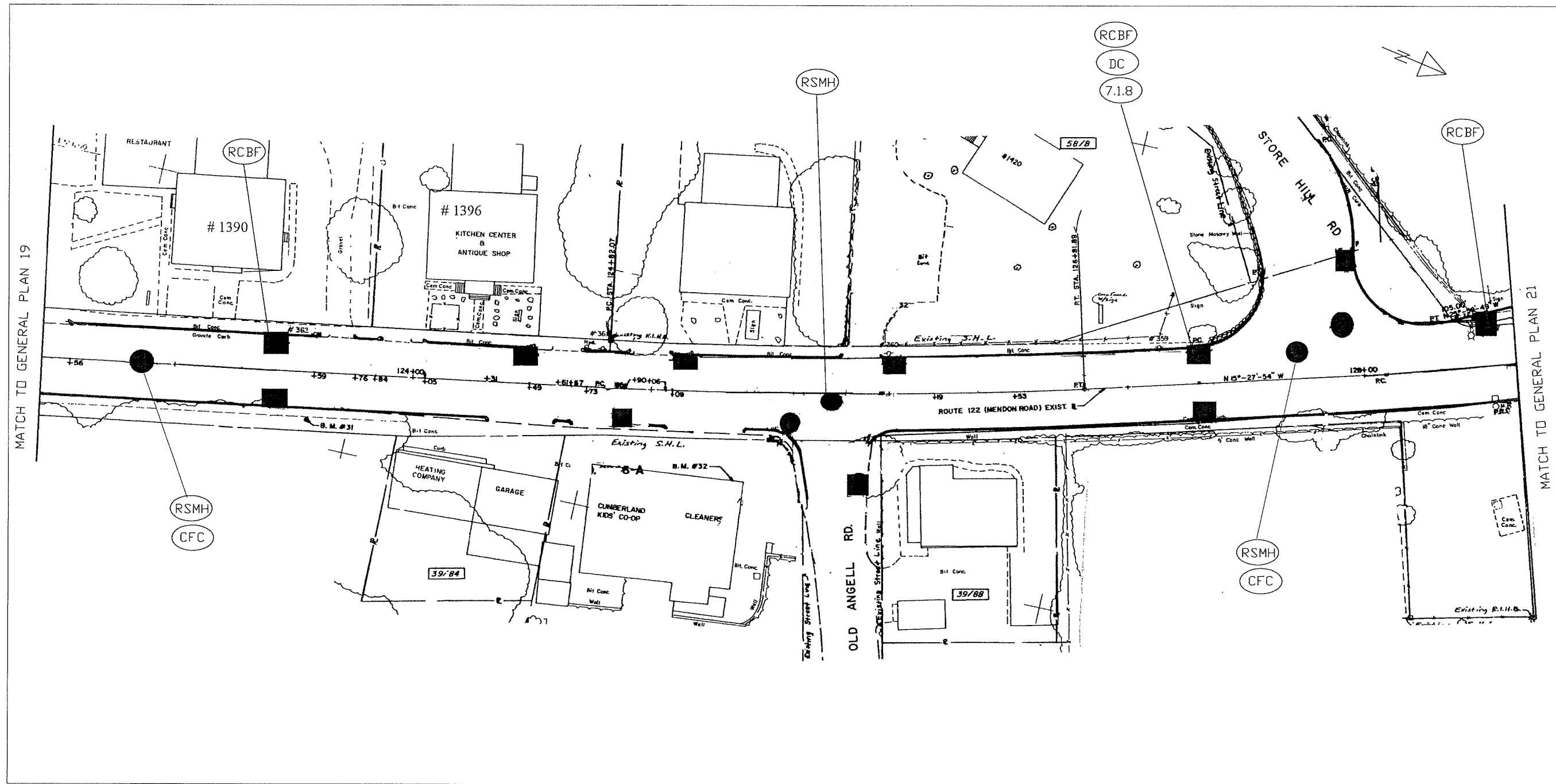


- (RSMH)
- (RSMH)
(CFC)
- (RSMH)
(CFC)
- (RSMH)
(CFC)
- (RSMH)
(CFC)


REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION REPAIRS TO MENDON ROAD MANHOLES AND CATCH BASINS CUMBERLAND, RHODE ISLAND
NO.	DATE	BY	
			GENERAL PLAN 19

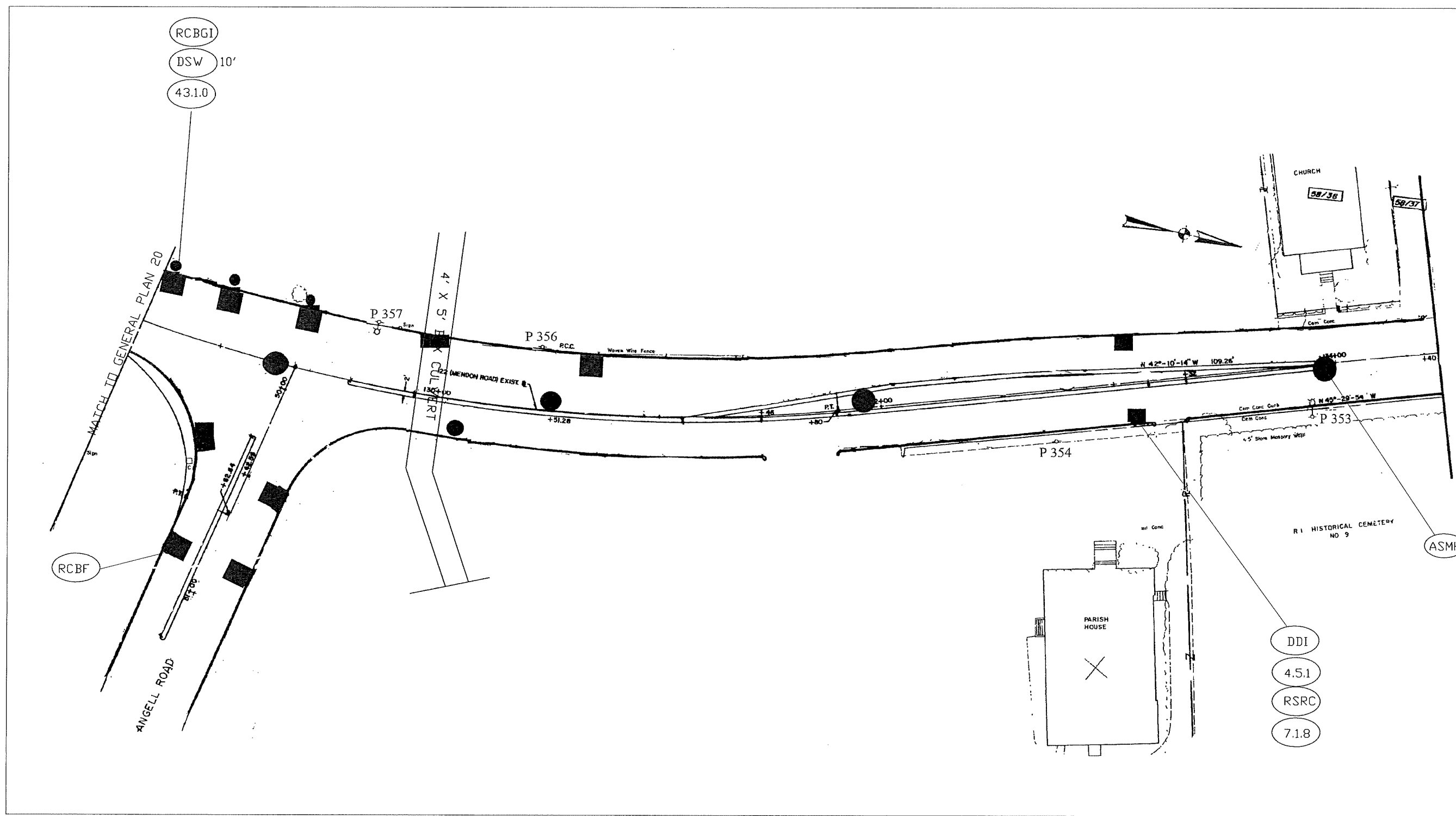
STATE OF RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION
 The Capitol Hill
 Providence, Rhode Island 02903-1124
 (401) 222-2023

CHECKED BY _____ DATE _____ SCALE NO SCALE



REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
NO.	DATE	BY	REPAIRS TO MENDON ROAD MANHOLES AND CATCH BASINS	
			CUMBERLAND, RHODE ISLAND	
			GENERAL PLAN 20	
			CHECKED BY _____	DATE _____ SCALE NO SCALE

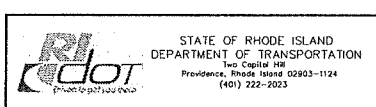

 STATE OF RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION
 Two Capitol Hill
 Providence, Rhode Island 02903-1124
 (401) 222-2023



RCBF

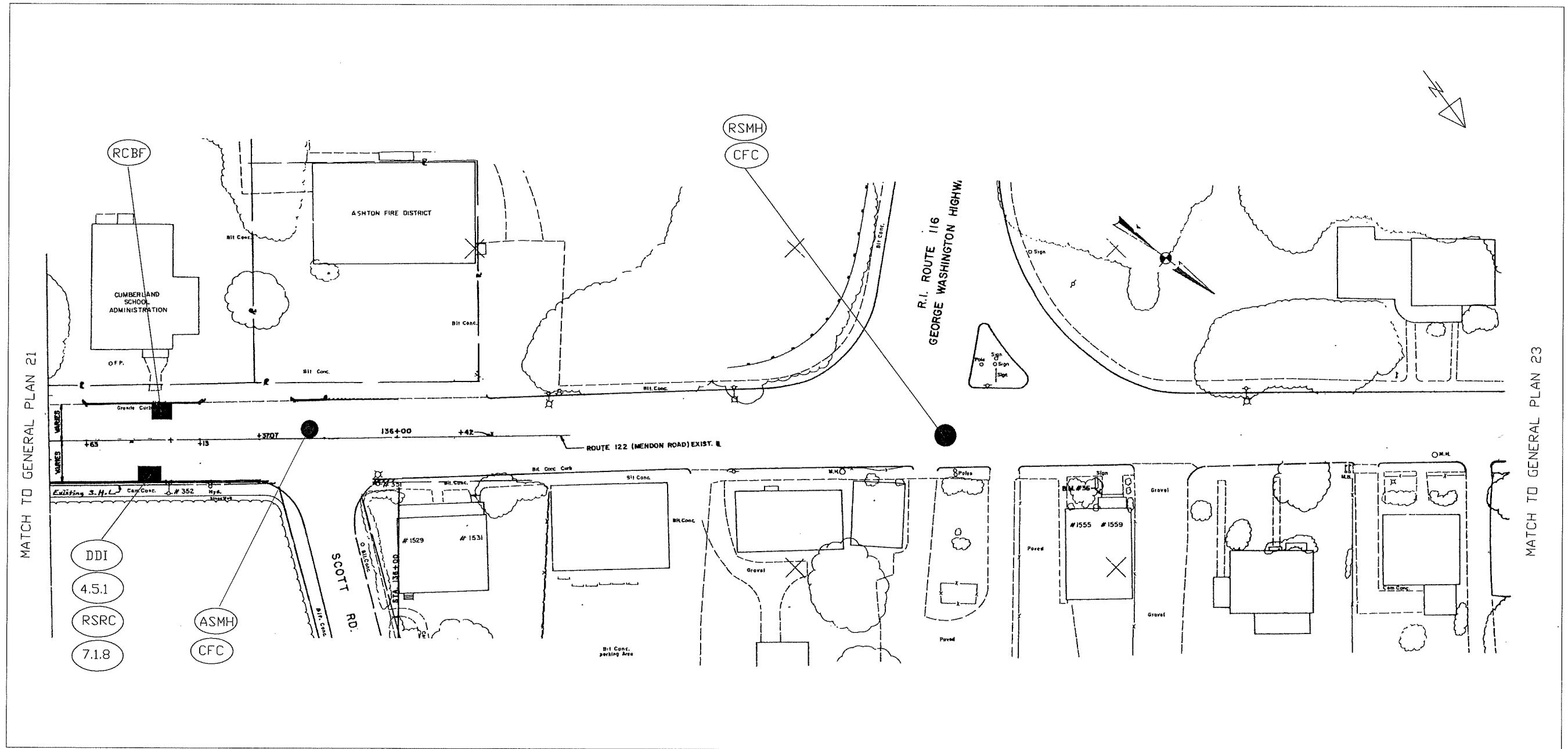
RCBGJ
DSW 10'
43.1.0

DDI
4.5.1
RSRC
7.1.8

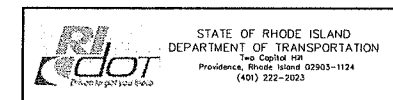


REVISIONS		
NO.	DATE	BY

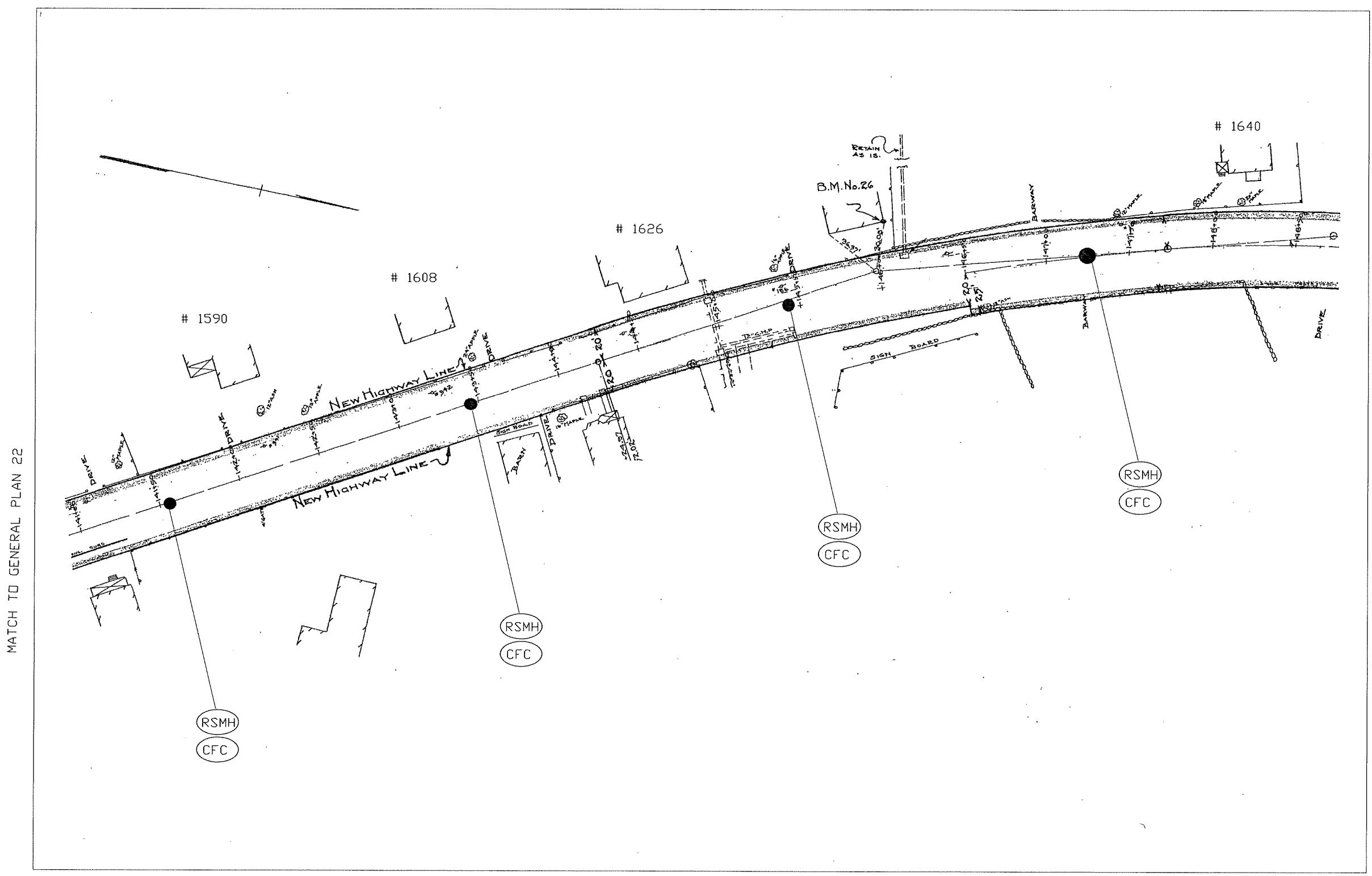
RHODE ISLAND
DEPARTMENT OF TRANSPORTATION
REPAIRS TO MENDON ROAD
MANHOLES AND CATCH BASINS
CUMBERLAND, RHODE ISLAND
GENERAL PLAN 21
CHECKED BY _____ DATE _____ SCALE NO SCALE



REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
NO.	DATE	BY	REPAIRS TO MENDON ROAD MANHOLES AND CATCH BASINS	
			CUMBERLAND, RHODE ISLAND	
			GENERAL PLAN 22	
			CHECKED BY _____	DATE _____ SCALE NO SCALE



FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	RI	2018-CH-045	2018	35	71



RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

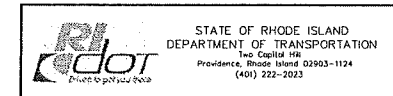
**REPAIRS TO MENDON ROAD
MANHOLES AND CATCH BASINS**

CUMBERLAND, RHODE ISLAND

GENERAL PLAN 23

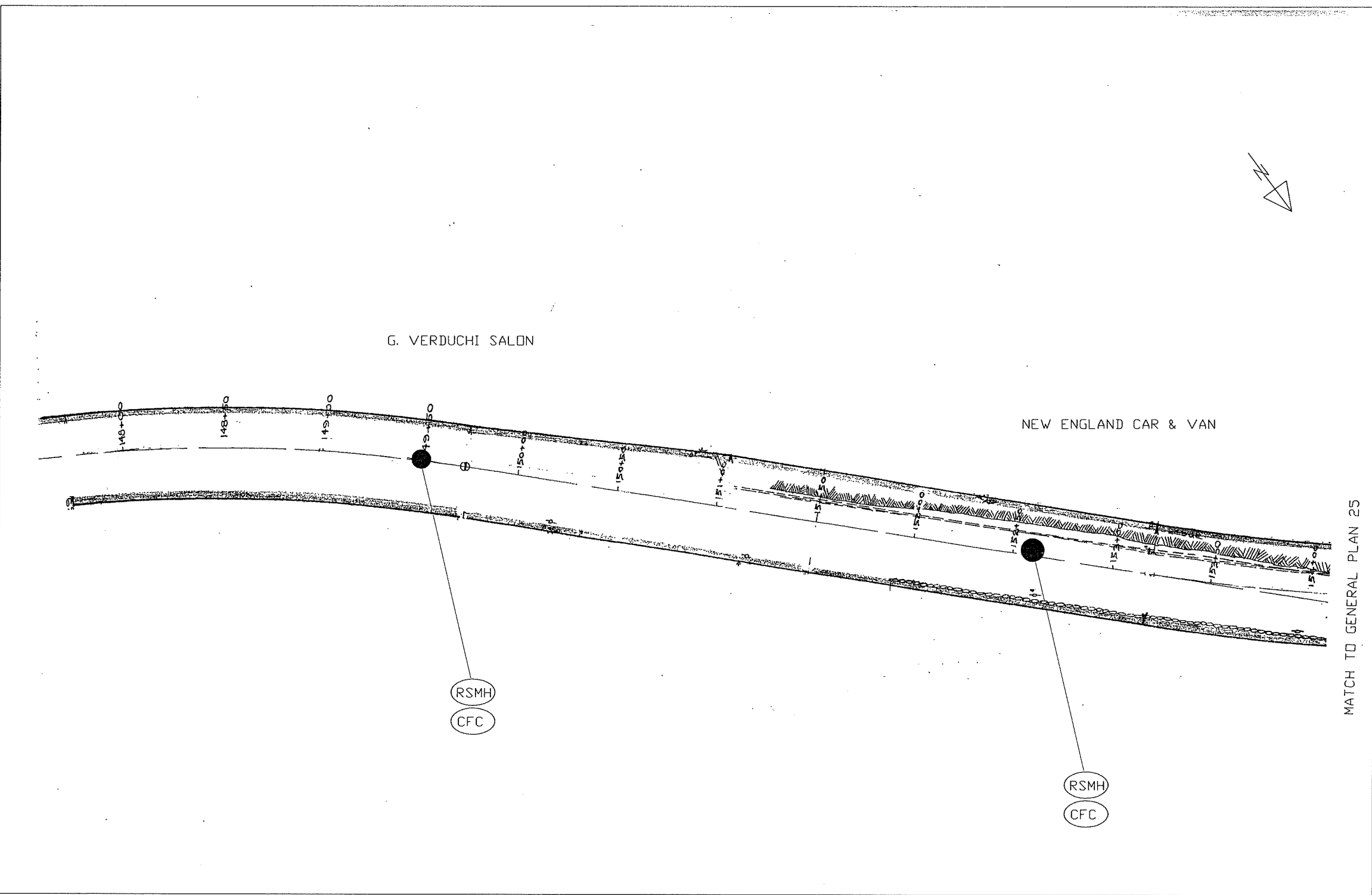
CHECKED BY _____ DATE _____ SCALE NO. SCALE _____

REVISIONS		
NO.	DATE	BY



FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	RI	2018-CH-045	2018	36	71

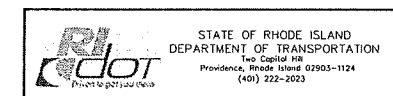
MATCH TO GENERAL PLAN 23



MATCH TO GENERAL PLAN 25

REVISIONS		
NO.	DATE	BY

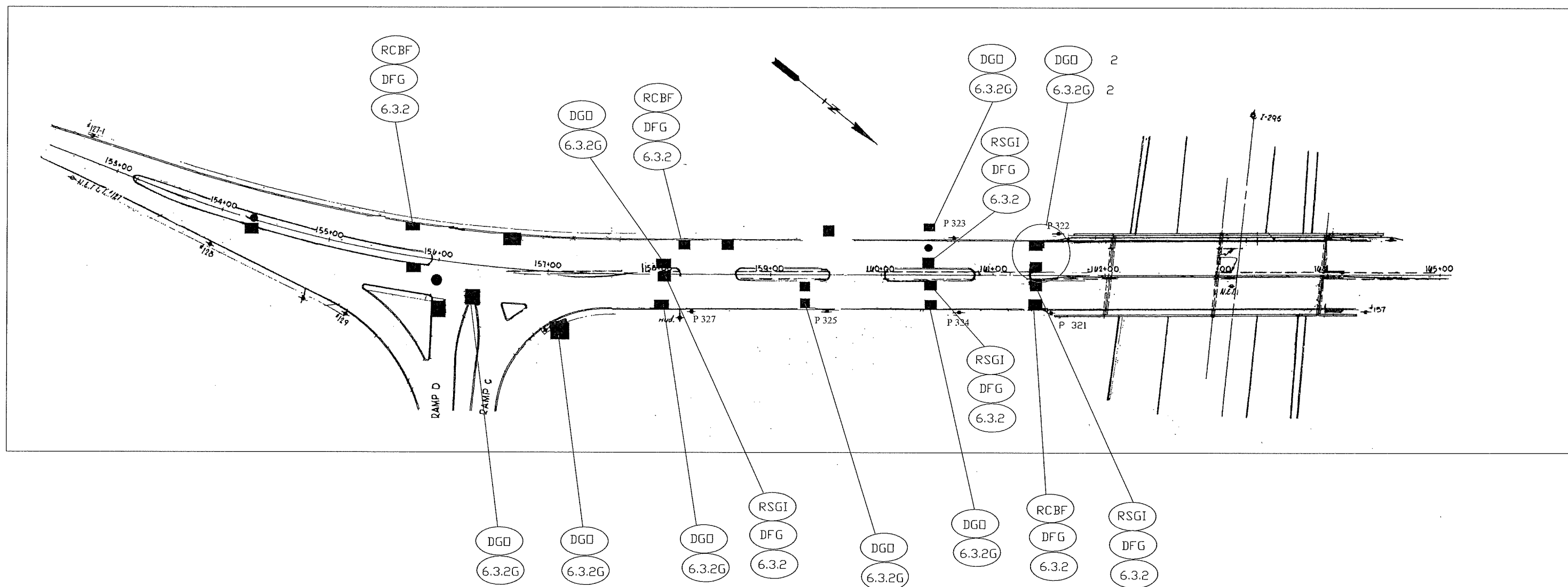
RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
REPAIRS TO MENDON ROAD MANHOLES AND CATCH BASINS	
CUMBERLAND,	RHODE ISLAND
GENERAL PLAN 24	
CHECKED BY _____ DATE _____ SCALE NO SCALE	





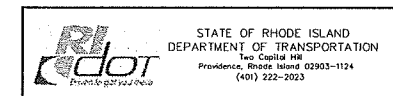
MATCH TO GENERAL PLAN 24

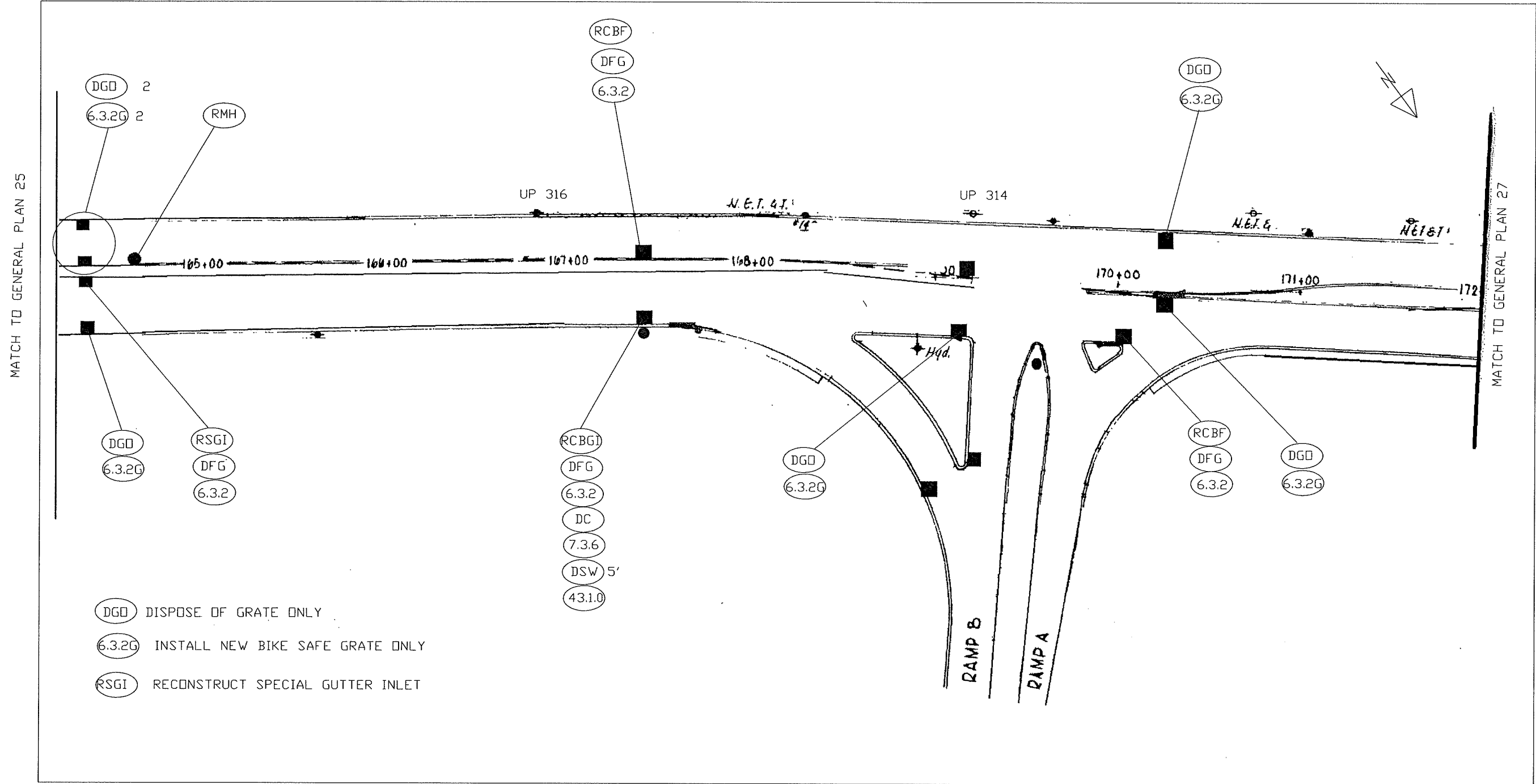
MATCH TO GENERAL PLAN 26



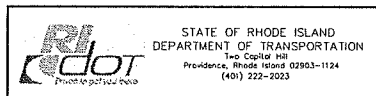
- DGO DISPOSE OF GRATE ONLY
- 6.3.2G INSTALL NEW BIKE SAFE GRATE ONLY
- RSGI RECONSTRUCT SPECIAL GUTTER INTLET

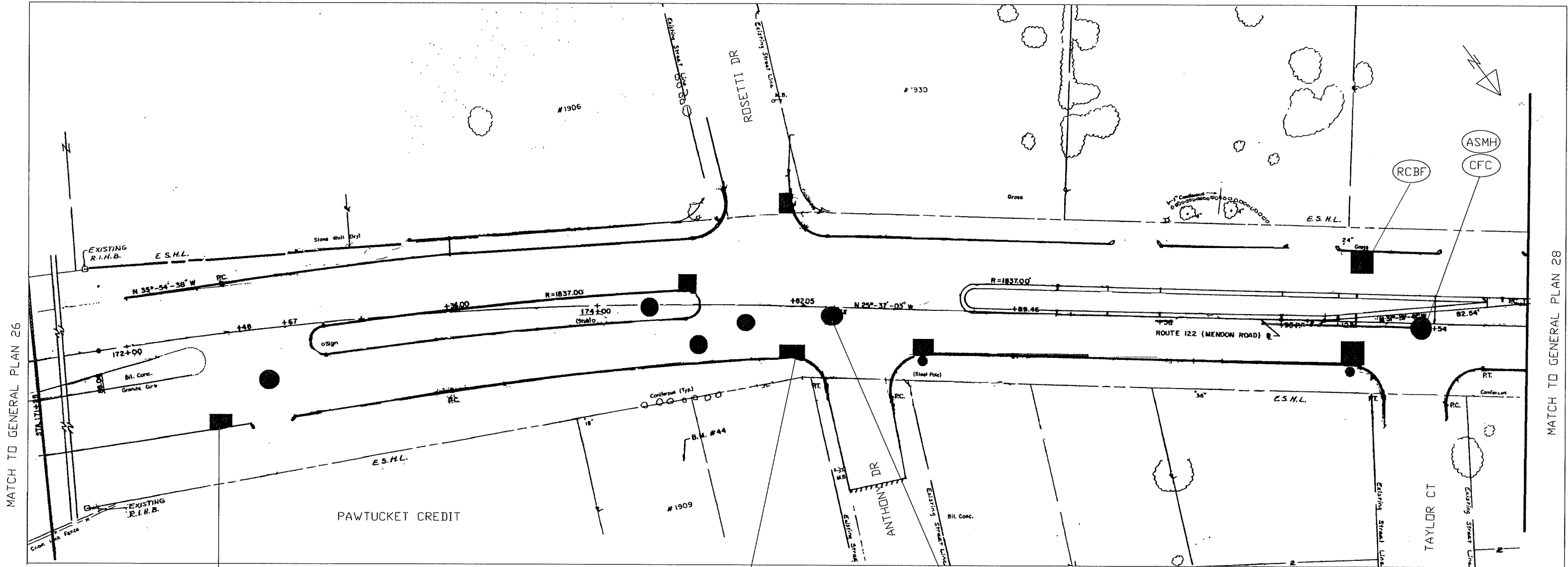
REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
NO.	DATE	BY	REPAIRS TO MENDON ROAD MANHOLES AND CATCH BASINS	
			CUMBERLAND, RHODE ISLAND	
			GENERAL PLAN 25	
			CHECKED BY _____	DATE _____ SCALE NO. SCALE





REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
NO.	DATE	BY	REPAIRS TO MENDON ROAD MANHOLES AND CATCH BASINS	
			CUMBERLAND, RHODE ISLAND	
			GENERAL PLAN 26	
			CHECKED BY _____	DATE _____ SCALE NO SCALE





MATCH TO GENERAL PLAN 26

MATCH TO GENERAL PLAN 28

RCBF

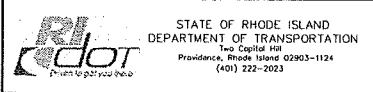
RCBF

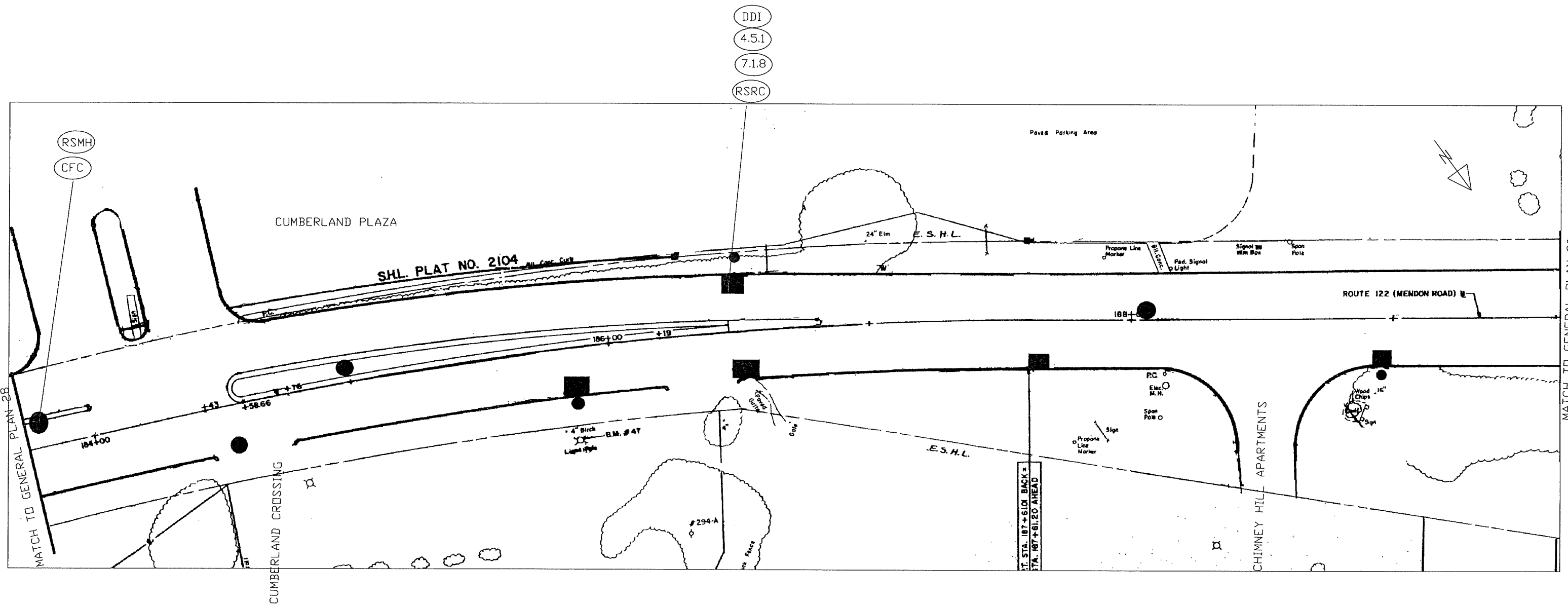
RSMH

CFC

REVISIONS		
NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION
REPAIRS TO MENDON ROAD
MANHOLES AND CATCH BASINS
 CUMBERLAND, RHODE ISLAND
GENERAL PLAN 27
 CHECKED BY _____ DATE _____ SCALE NO SCALE





DDI
4.5.1
7.1.8
RSRC

RSMH
CFC

MATCH TO GENERAL PLAN 28

CUMBERLAND CROSSING

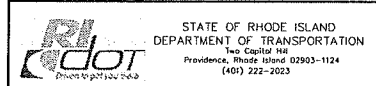
AT STA. 187+61.00 BACK =
STA. 187+61.20 AHEAD

CHIMNEY HILL APARTMENTS

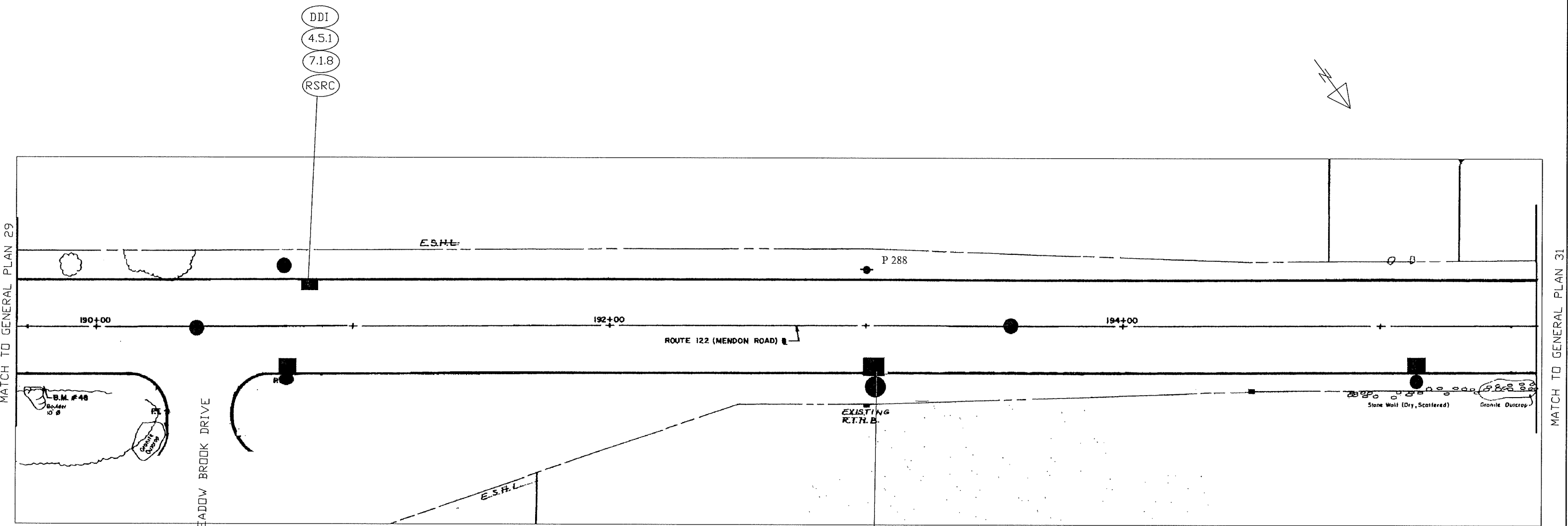
MATCH TO GENERAL PLAN 30

REVISIONS		
NO.	DATE	BY

RHODE ISLAND	
DEPARTMENT OF TRANSPORTATION	
REPAIRS TO MENDON ROAD	
MANHOLES AND CATCH BASINS	
CUMBERLAND, RHODE ISLAND	
GENERAL PLAN 29	
CHECKED BY	DATE
SCALE	NO. SCALE



FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	RI	2018-CH-045	2018	42	71



- DDI
- 4.5.1
- 7.1.8
- RSRC

- RCBGI
- DC
- 7.1.6
- DSW 10'
- 43.1.0



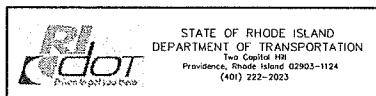
MATCH TO GENERAL PLAN 29

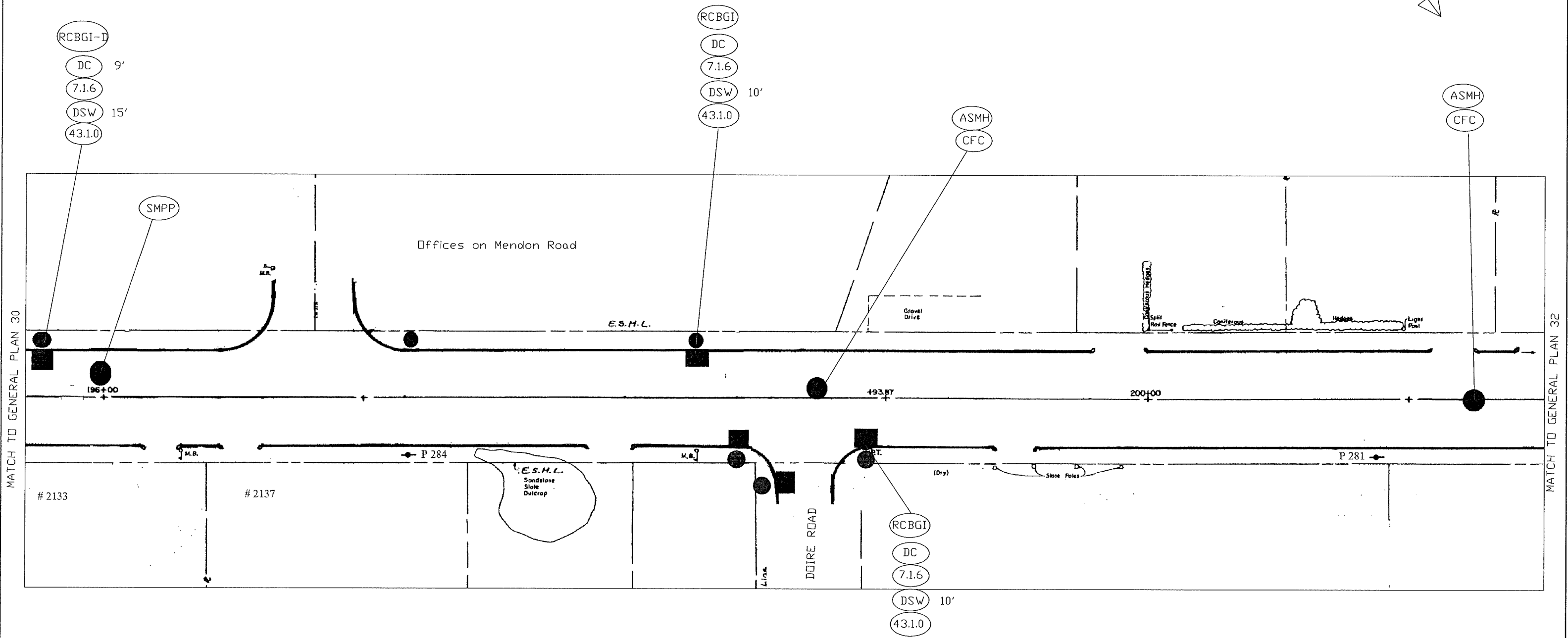
MATCH TO GENERAL PLAN 31

REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION REPAIRS TO MENDON ROAD MANHOLES AND CATCH BASINS CUMBERLAND, RHODE ISLAND
NO.	DATE	BY	

GENERAL PLAN 30

CHECKED BY _____ DATE _____ SCALE NO. SCALE





MATCH TO GENERAL PLAN 30

MATCH TO GENERAL PLAN 32

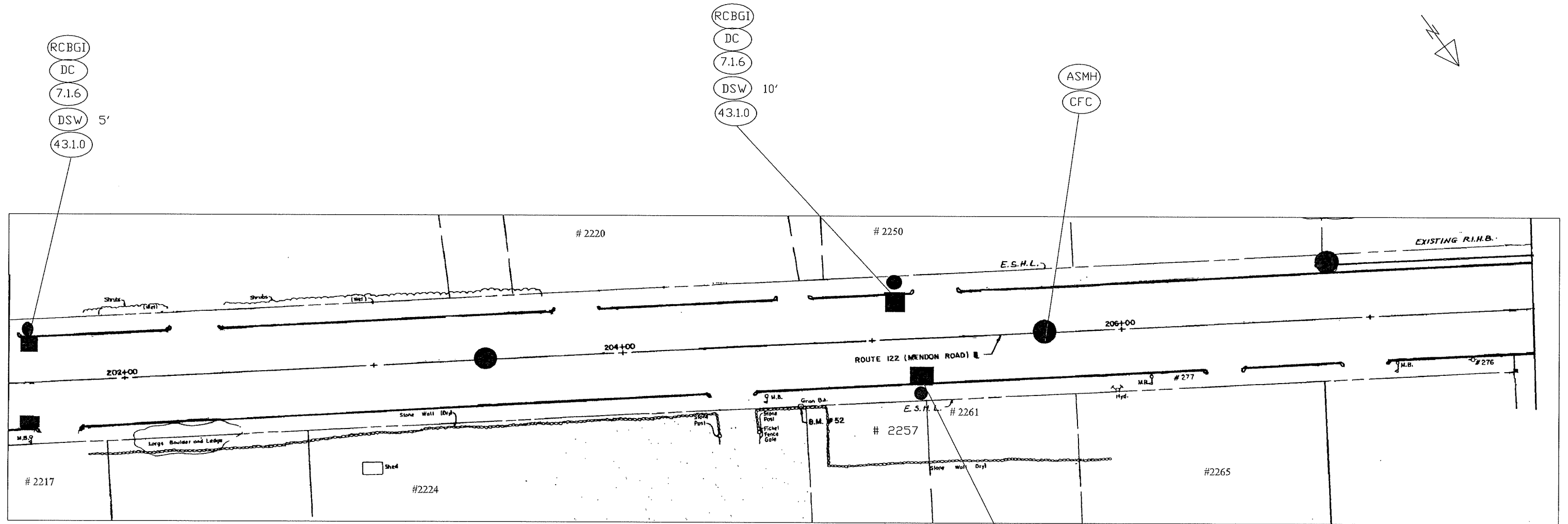
REVISIONS		
NO.	DATE	BY

RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
REPAIRS TO MENDON ROAD MANHOLES AND CATCH BASINS	
CUMBERLAND,	RHODE ISLAND
GENERAL PLAN 31	
CHECKED BY _____	DATE _____ SCALE NO SCALE

STATE OF RHODE ISLAND
DEPARTMENT OF TRANSPORTATION
The Capitol Hill
Providence, Rhode Island 02903-1124
(401) 222-2023

FED. ROAD DIV. NO.	STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	RI	2018-CH-045	2018	44	71

MATCH TO GENERAL PLAN 31



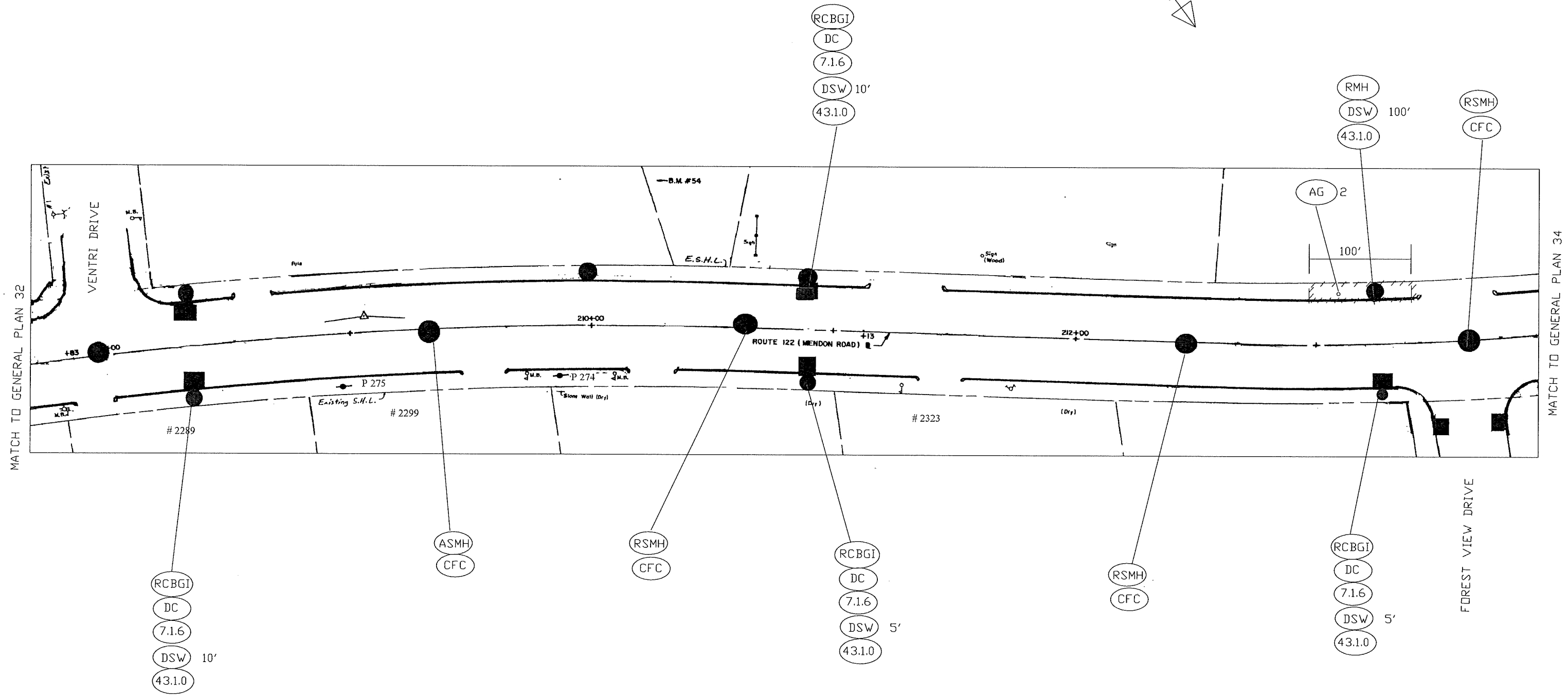
MATCH TO GENERAL PLAN 33

RCBGI
DC
7.1.6
DSW 10'
43.1.0

REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
NO.	DATE	BY	REPAIRS TO MENDON ROAD MANHOLES AND CATCH BASINS	
			CUMBERLAND, RHODE ISLAND	
			GENERAL PLAN 32	
			CHECKED BY _____ DATE _____ SCALE NO SCALE	

STATE OF RHODE ISLAND
DEPARTMENT OF TRANSPORTATION
The Capital Hill
Providence, Rhode Island 02903-1124
(401) 222-2023

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	RI	2018-CH-045	2018	45	71



MATCH TO GENERAL PLAN 32

MATCH TO GENERAL PLAN 34

REVISIONS		
NO.	DATE	BY

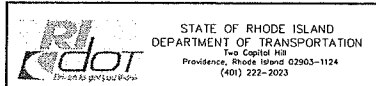
RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

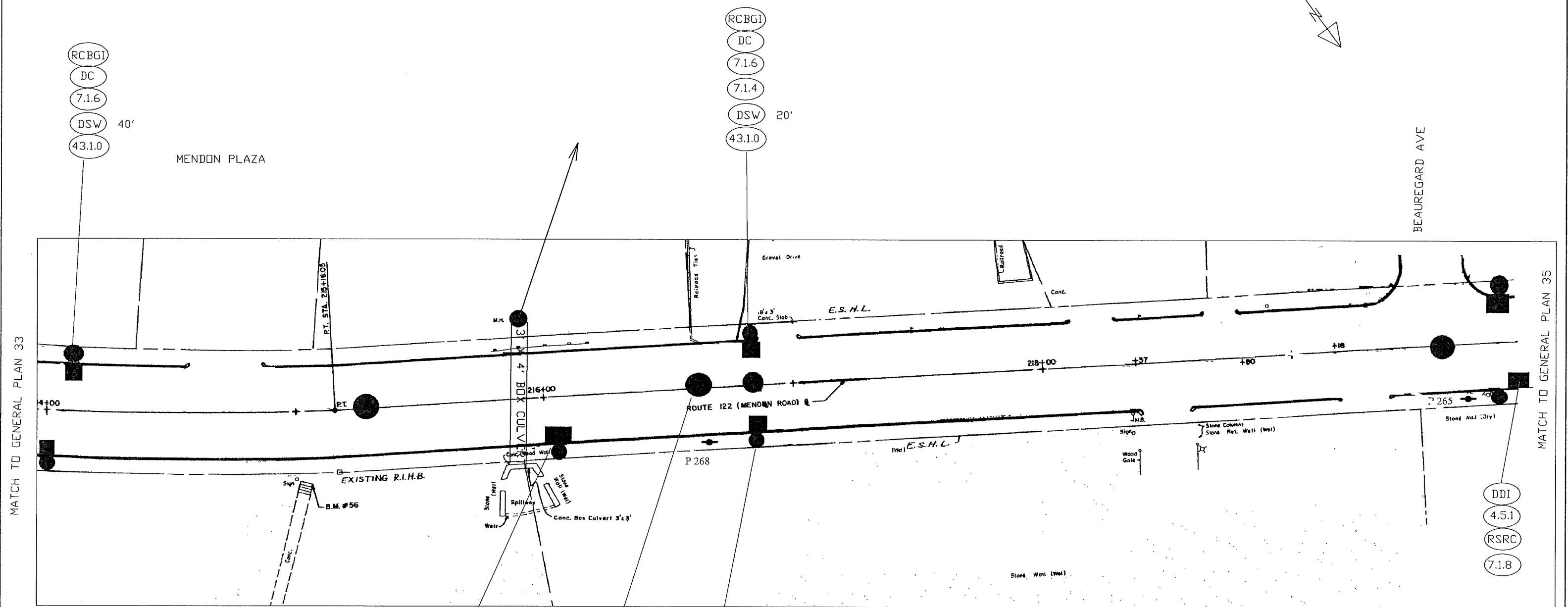
**REPAIRS TO MENDON ROAD
MANHOLES AND CATCH BASINS**

CUMBERLAND, RHODE ISLAND

GENERAL PLAN 33

CHECKED BY _____ DATE _____ SCALE NO. _____ SCALE _____





MATCH TO GENERAL PLAN 33

MATCH TO GENERAL PLAN 35

- RCBGI
- DC
- 7.1.6
- DSW 10'
- 43.1.0
- RCBGI
- DC
- 7.1.6
- DSW 10'
- 43.1.0
- ASMH
- CFC
- RCBGI
- DC
- 7.1.6
- DSW 10'
- 43.1.0

REVISIONS		
NO.	DATE	BY

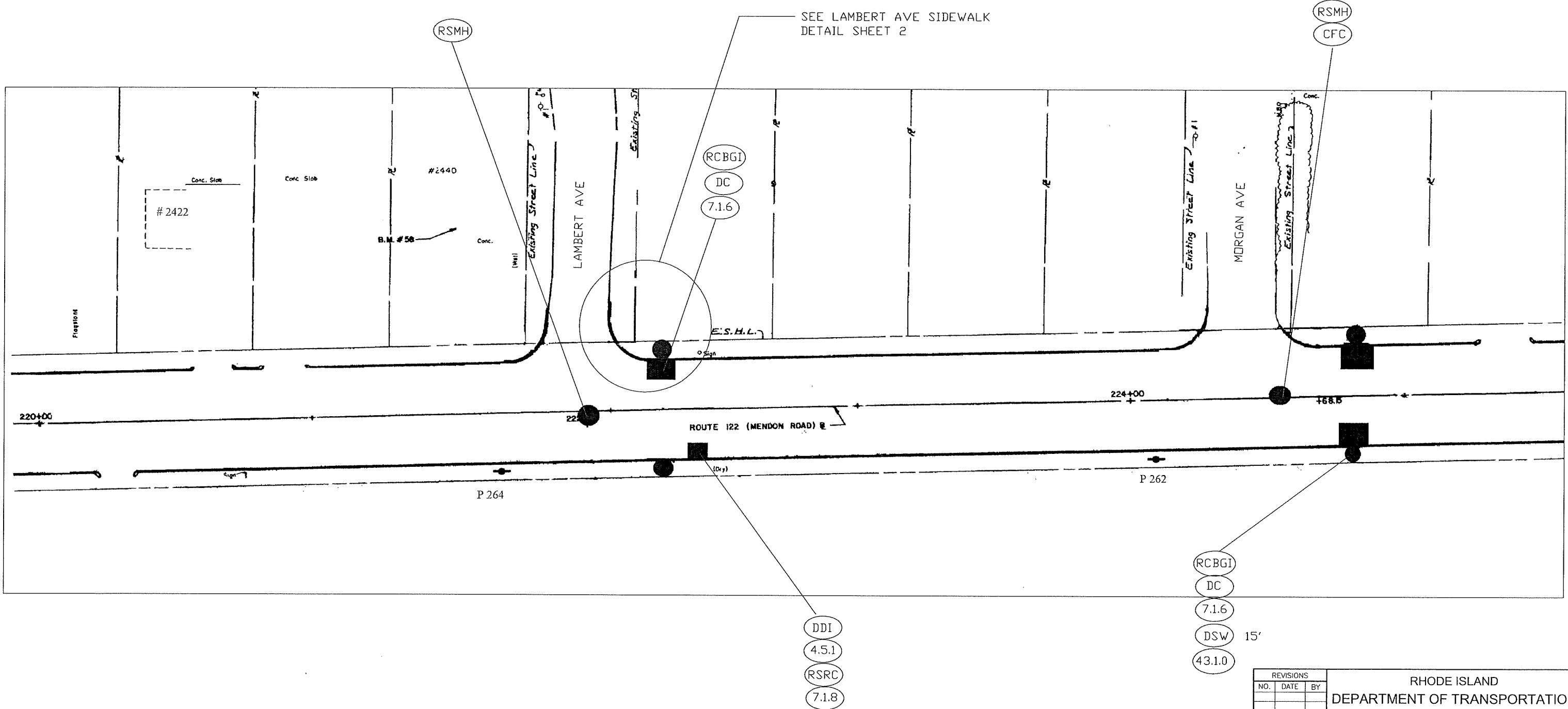
RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
REPAIRS TO MENDON ROAD MANHOLES AND CATCH BASINS	
CUMBERLAND, RHODE ISLAND	
GENERAL PLAN 34	
CHECKED BY _____ DATE _____ SCALE NO SCALE	

STATE OF RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION
Providence, Rhode Island 02903-1124
(401) 222-2033

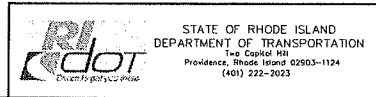


MATCH TO GENERAL PLAN 34

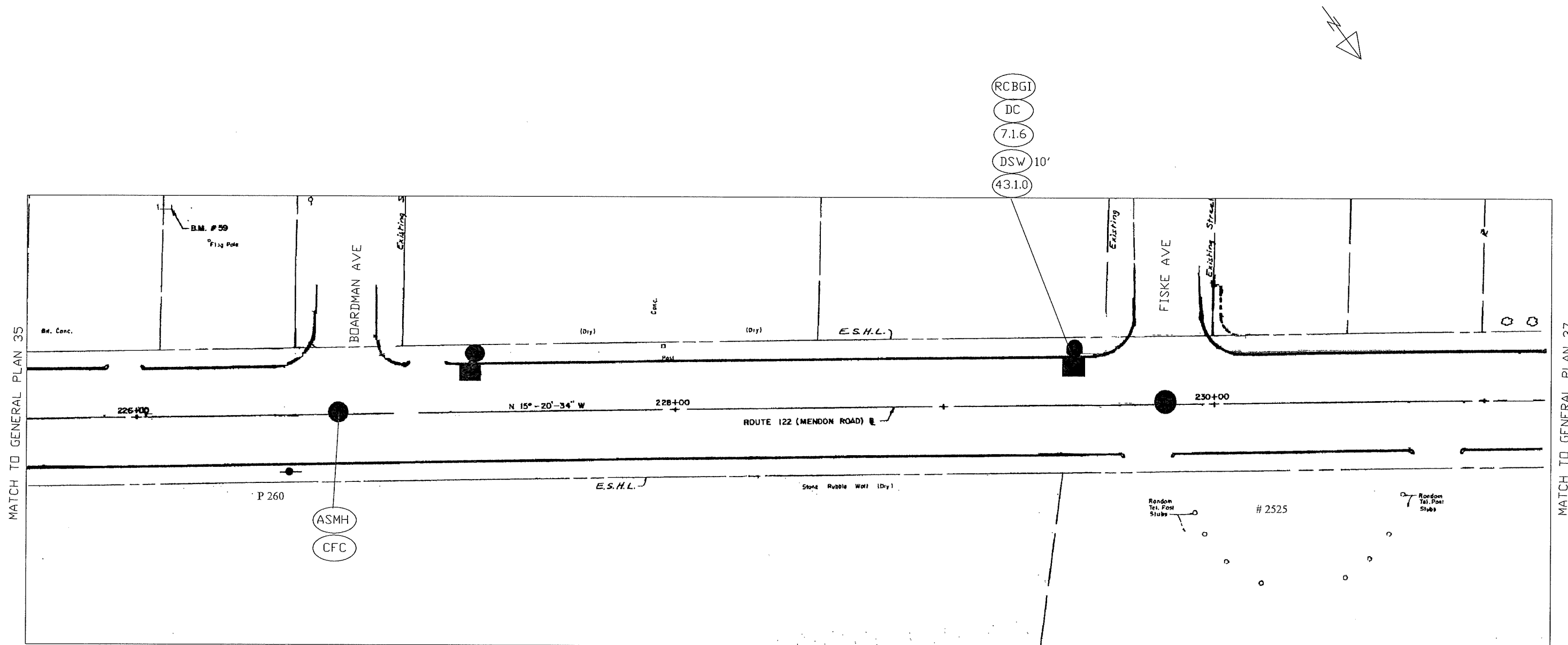
MATCH TO GENERAL PLAN 36



REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
NO.	DATE	BY	REPAIRS TO MENDON ROAD MANHOLES AND CATCH BASINS	
			CUMBERLAND, RHODE ISLAND	
			GENERAL PLAN 35	
			CHECKED BY _____ DATE _____ SCALE NO SCALE	



FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	RI	2018-CH-045	2018	48	71



REVISIONS		
NO.	DATE	BY


RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

**REPAIRS TO MENDON ROAD
MANHOLES AND CATCH BASINS**

CUMBERLAND, RHODE ISLAND

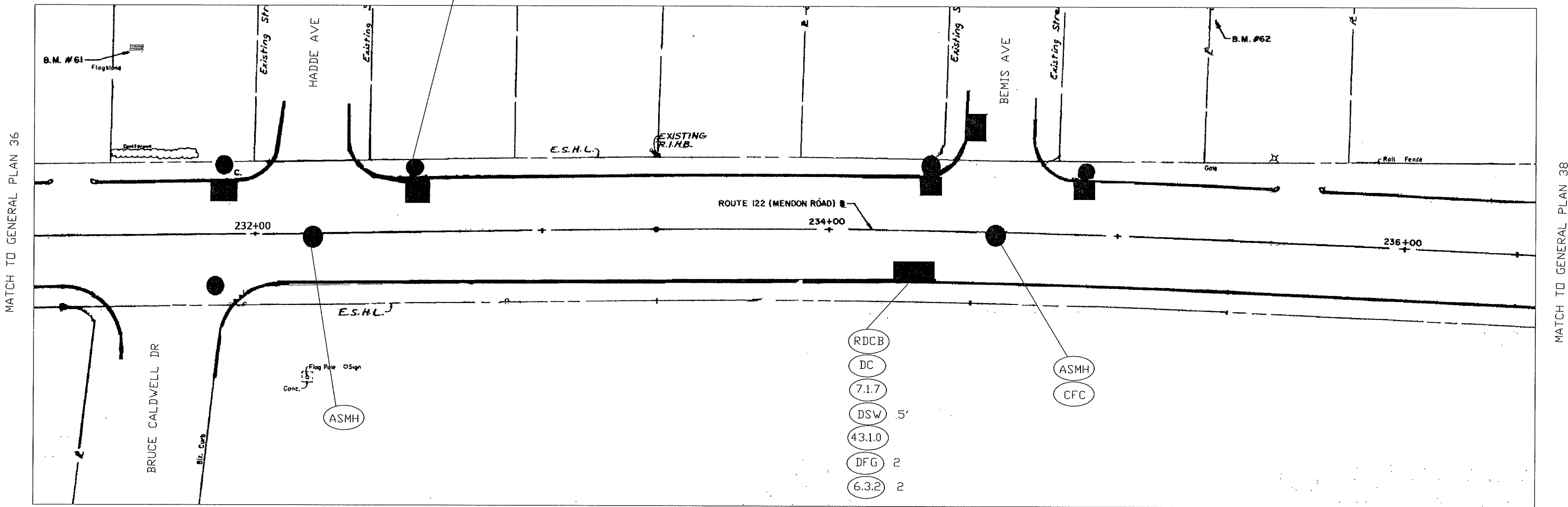
GENERAL PLAN 36

CHECKED BY _____ DATE _____ SCALE NO SCALE



STATE OF RHODE ISLAND
DEPARTMENT OF TRANSPORTATION
110 Capital Hill
Providence, Rhode Island 02903-1124
(401) 222-2025

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	RI	2018-CH-045	2018	49	71



MATCH TO GENERAL PLAN 36

MATCH TO GENERAL PLAN 38

REVISIONS		
NO.	DATE	BY

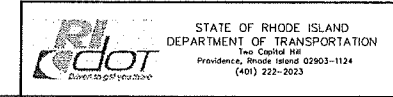
**RHODE ISLAND
DEPARTMENT OF TRANSPORTATION**

**REPAIRS TO MENDON ROAD
MANHOLES AND CATCH BASINS**

CUMBERLAND, RHODE ISLAND

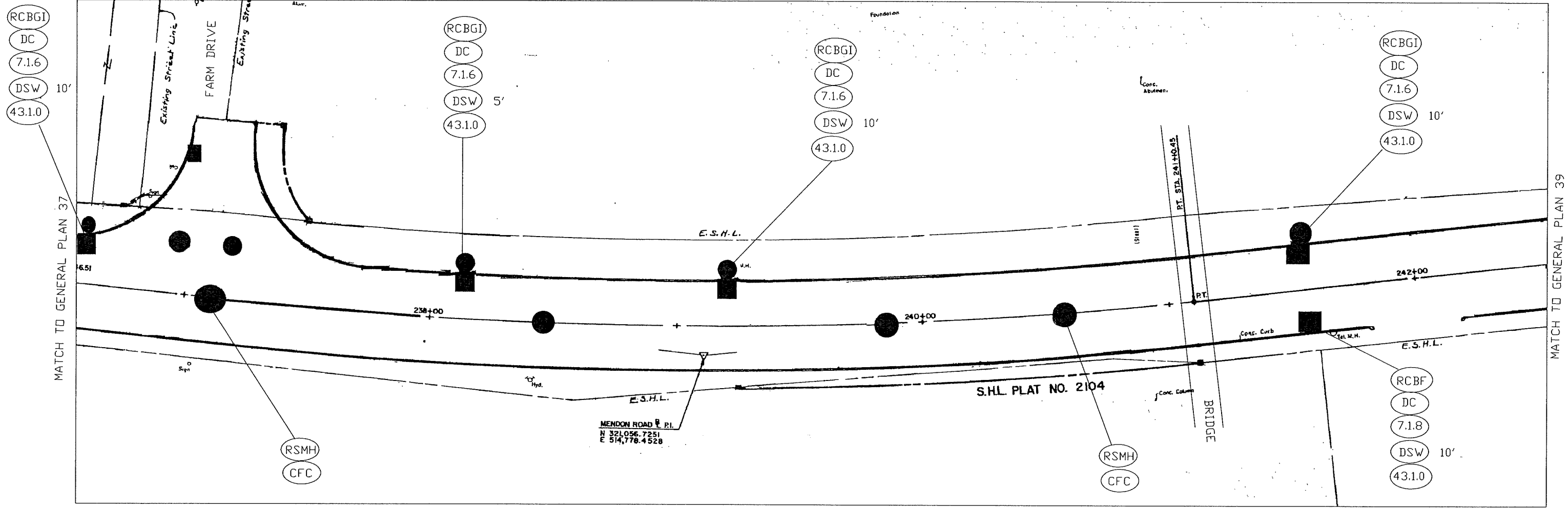
GENERAL PLAN 37

CHECKED BY _____ DATE _____ SCALE NO SCALE



ADDENDUM NO. 1

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	RI	2018-CH-045	2018	50	71



REVISIONS		
NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION
REPAIRS TO MENDON ROAD
MANHOLES AND CATCH BASINS
CUMBERLAND, RHODE ISLAND
GENERAL PLAN 38
CHECKED BY _____ DATE _____ SCALE NO SCALE

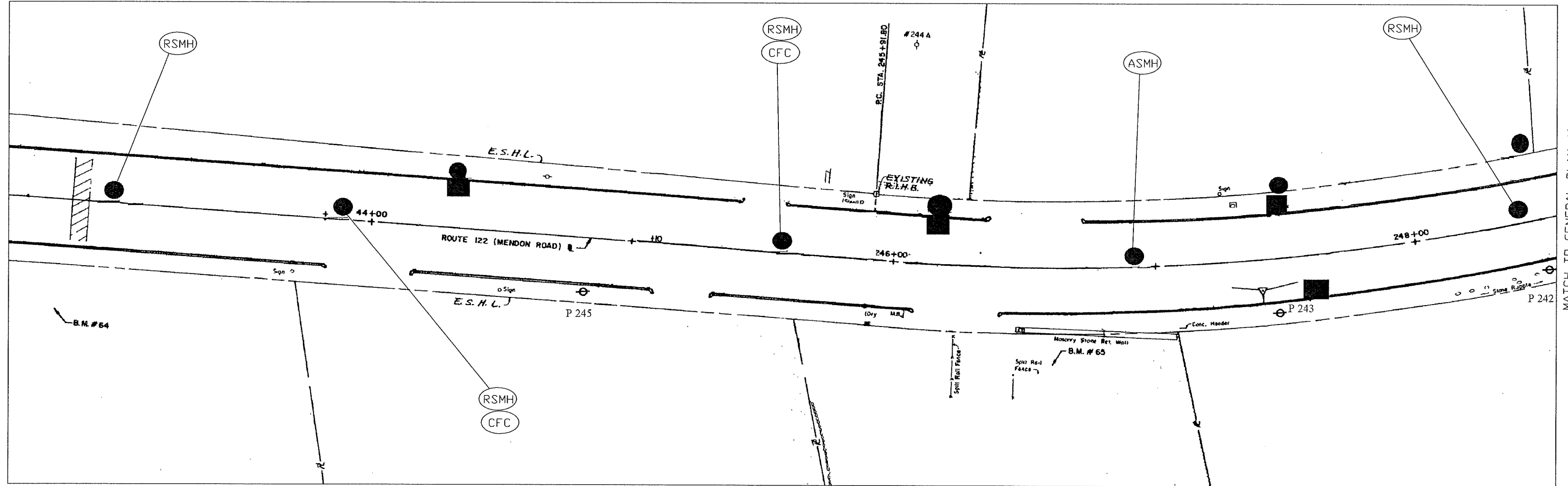
STATE OF RHODE ISLAND
DEPARTMENT OF TRANSPORTATION
Providence, Rhode Island 02903-1124
(401) 222-2023

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	RI	2018-CH-045	2018	51	71



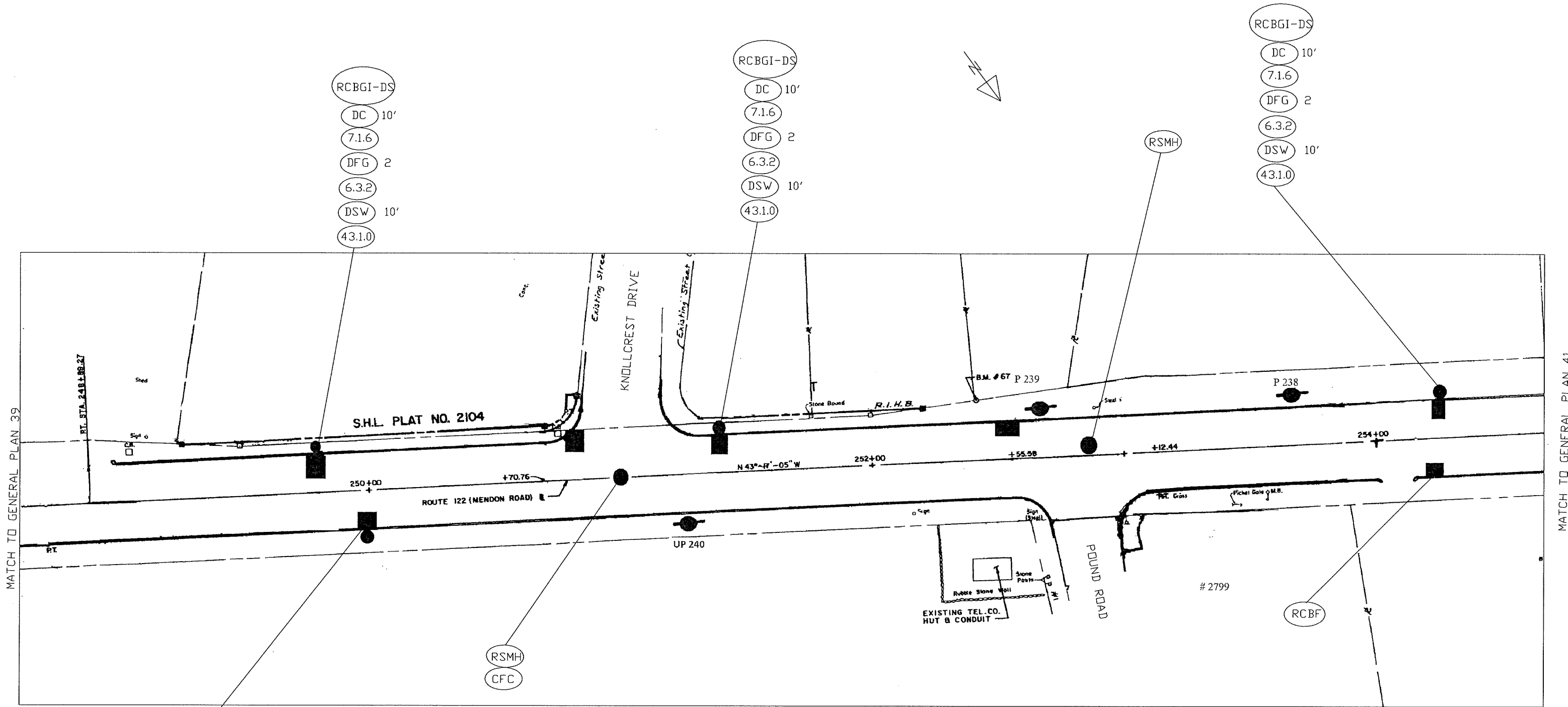
MATCH TO GENERAL PLAN 38

MATCH TO GENERAL PLAN 40



REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
NO.	DATE	BY	REPAIRS TO MENDON ROAD MANHOLES AND CATCH BASINS	
			CUMBERLAND, RHODE ISLAND	
			GENERAL PLAN 39	
			CHECKED BY _____	DATE _____ SCALE NO SCALE

STATE OF RHODE ISLAND
DEPARTMENT OF TRANSPORTATION
100 Capital Hill
Providence, Rhode Island 02903-1124
(401) 222-2022



MATCH TO GENERAL PLAN 39

MATCH TO GENERAL PLAN 41

- RCBGI
- DC
- 7.1.6
- DSW 5'
- 43.1.0
- DFG
- 6.3.2

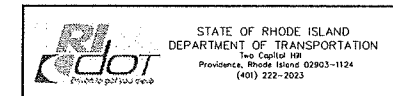
- RSMH
- CFC

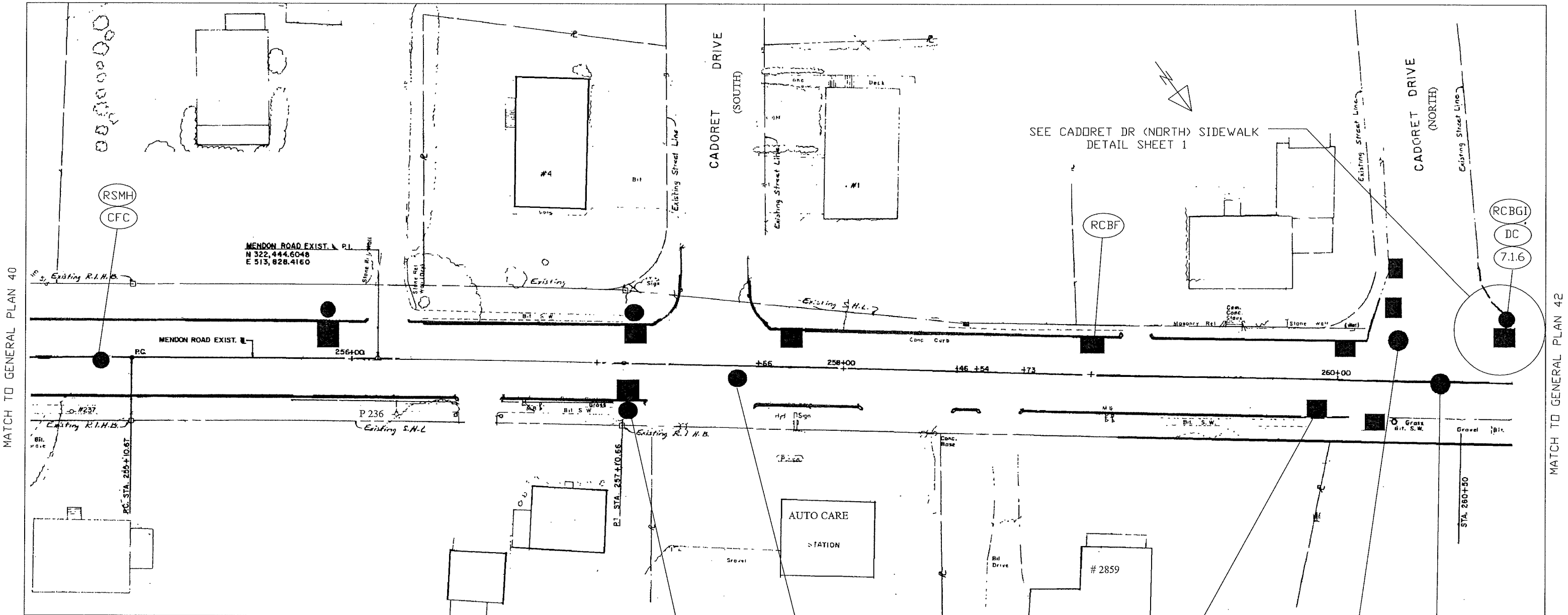
REVISIONS		
NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION
**REPAIRS TO MENDON ROAD
MANHOLES AND CATCH BASINS**
CUMBERLAND, RHODE ISLAND

GENERAL PLAN 40

CHECKED BY _____ DATE _____ SCALE NO. SCALE





MATCH TO GENERAL PLAN 40

MATCH TO GENERAL PLAN 42

SEE CADORET DR (NORTH) SIDEWALK
DETAIL SHEET 1

MENDON ROAD EXIST. & P.I.
N 322,444.6048
E 513,828.4160

MENDON ROAD EXIST.

AUTO CARE
STATION

2859

P.C. STA. 255+10.87

P.I. STA. 257+10.65

STA. 260+50

- RCBGI
- DC 5'
- 7.1.6
- 7.1.4
- DSW 5'
- 43.1.0

- RSMH
- CFC

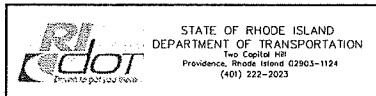
- RCBF
- DC
- 7.1.8
- DSW 5'
- 43.1.0

- RCBGI
- DC
- 7.1.6

- RMH
- RSMH
- CFC

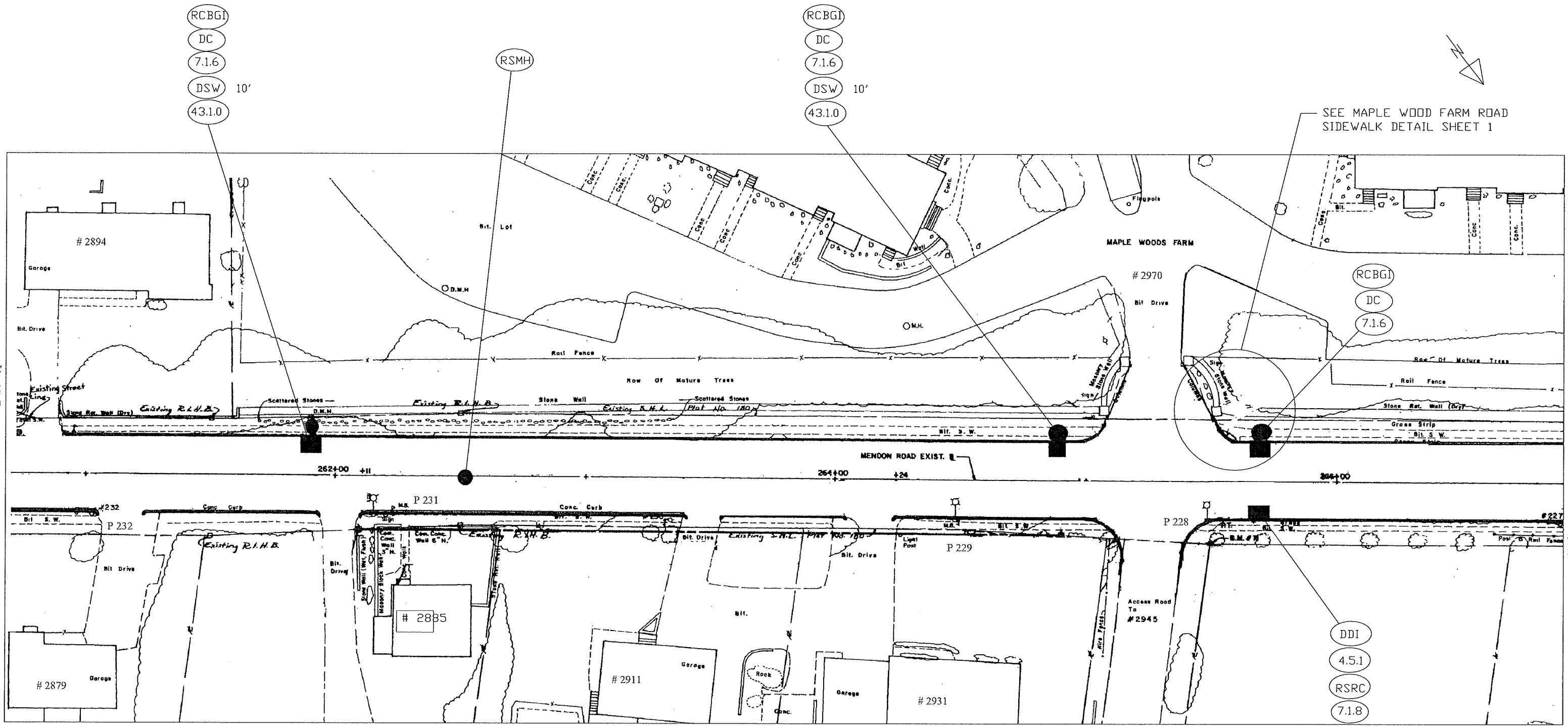
REVISIONS		
NO.	DATE	BY

RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
REPAIRS TO MENDON ROAD MANHOLES AND CATCH BASINS	
CUMBERLAND,	RHODE ISLAND
GENERAL PLAN 41	
CHECKED BY _____	DATE _____ SCALE NO SCALE



MATCH TO GENERAL PLAN 41

MATCH TO GENERAL PLAN 43



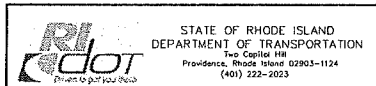
SEE MAPLE WOOD FARM ROAD SIDEWALK DETAIL SHEET 1

REVISIONS		
NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION
**REPAIRS TO MENDON ROAD
MANHOLES AND CATCH BASINS**
CUMBERLAND, RHODE ISLAND

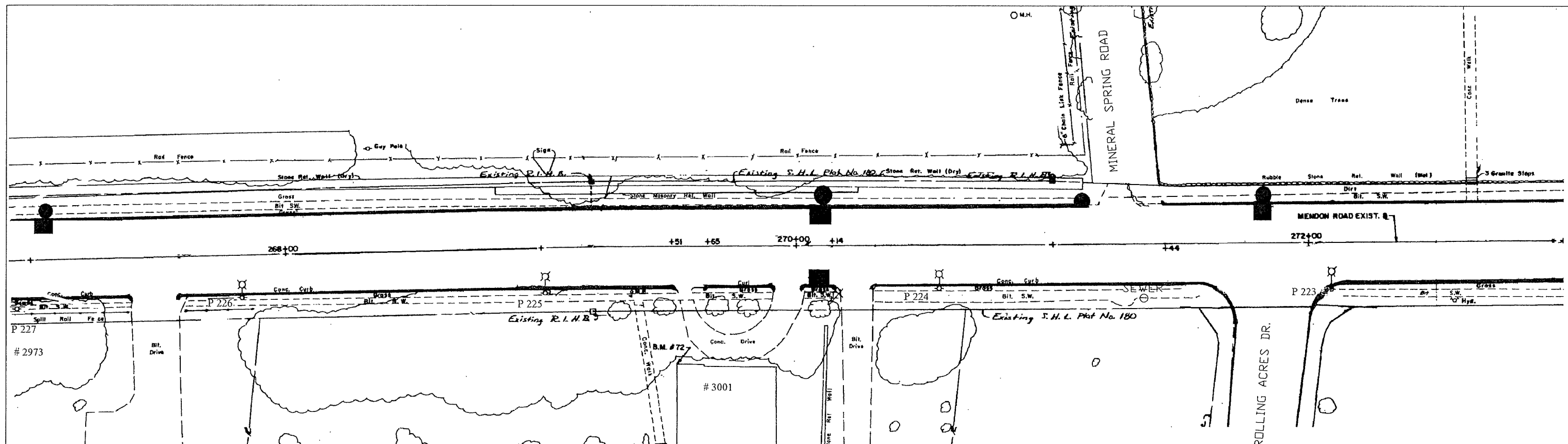
GENERAL PLAN 42

CHECKED BY _____ DATE _____ SCALE NO SCALE



MATCH TO GENERAL PLAN 42

MATCH TO GENERAL PLAN 44



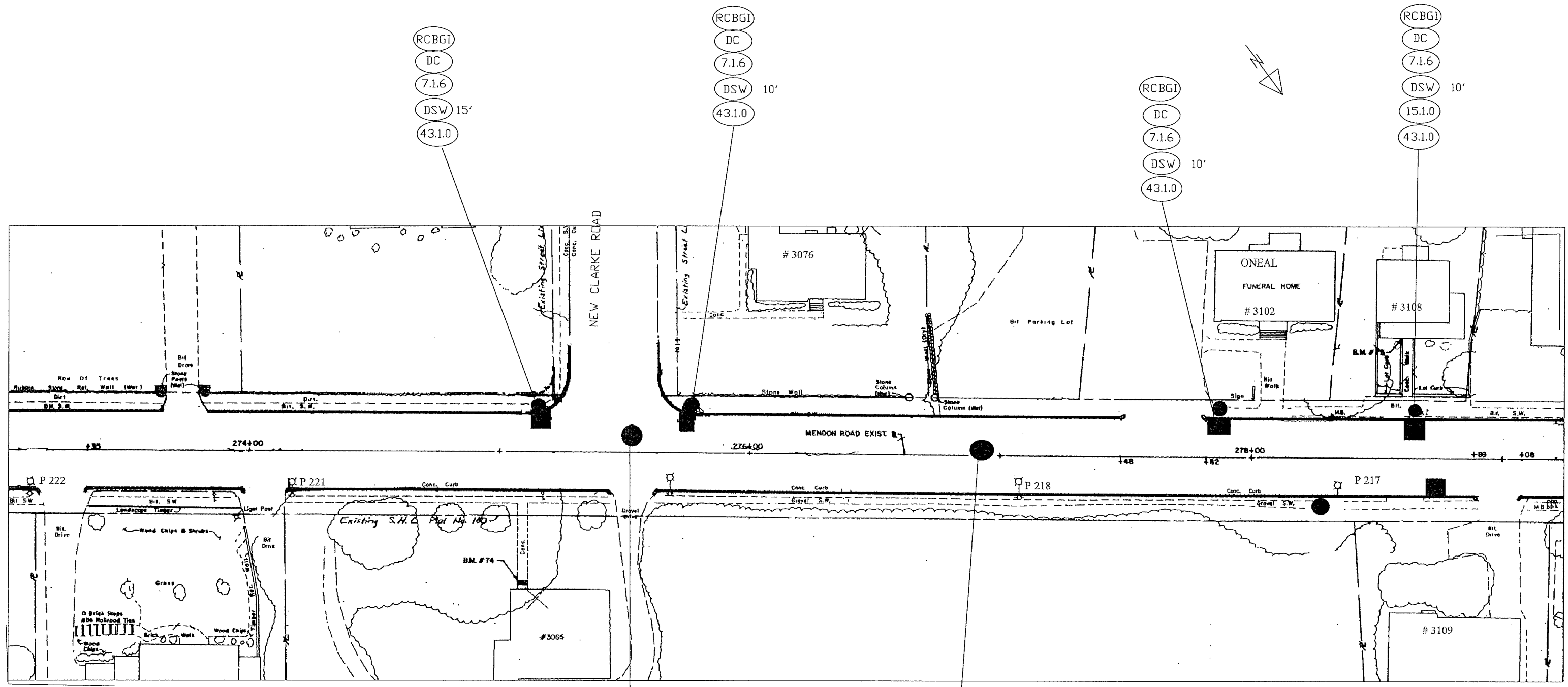
NO WORK ON THIS PLAN

REVISIONS		
NO.	DATE	BY

RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION
**REPAIRS TO MENDON ROAD
 MANHOLES AND CATCH BASINS**
 CUMBERLAND, RHODE ISLAND
GENERAL PLAN 43

CHECKED BY _____ DATE _____ SCALE NO SCALE

STATE OF RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION
 Two Capitol Hill
 Providence, Rhode Island 02903-1124
 (401) 222-2023

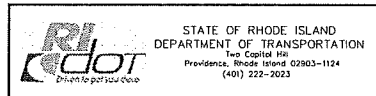


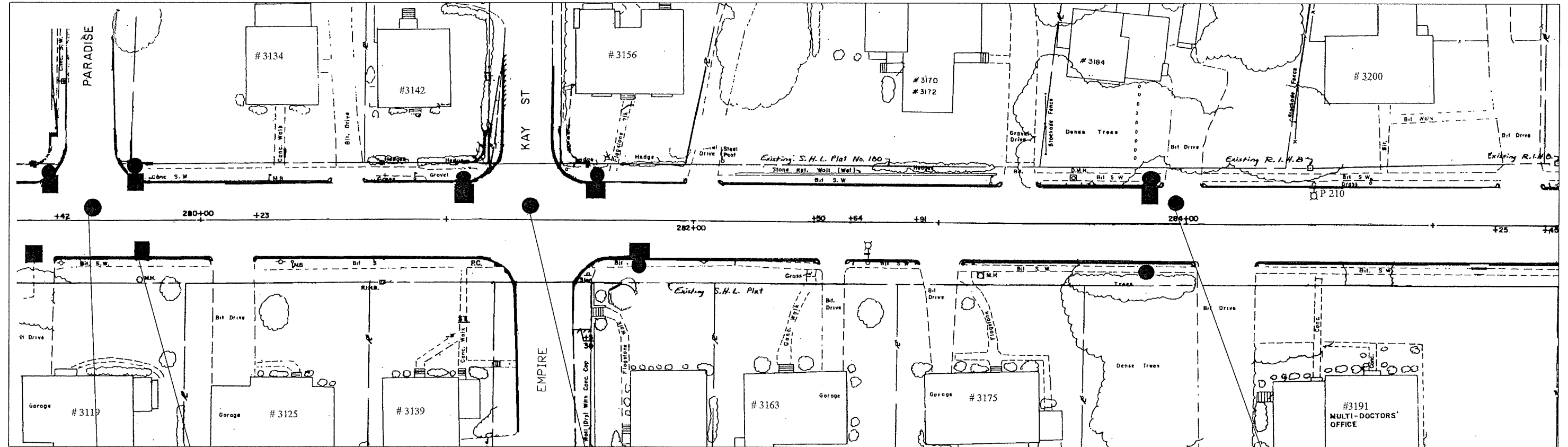
MATCH TO GENERAL PLAN 43

MATCH TO GENERAL PLAN 45

REVISIONS		
NO.	DATE	BY

RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
REPAIRS TO MENDON ROAD MANHOLES AND CATCH BASINS	
CUMBERLAND,	RHODE ISLAND
GENERAL PLAN 44	
CHECKED BY _____	DATE _____ SCALE NO. SCALE _____





MATCH TO GENERAL PLAN 44

MATCH TO GENERAL PLAN 46

ASMH
CFC

RCBF

ASMH
CFC

RSMH
CFC

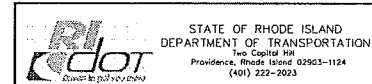
REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
NO.	DATE	BY		

REPAIRS TO MENDON ROAD
MANHOLES AND CATCH BASINS

CUMBERLAND, RHODE ISLAND

GENERAL PLAN 45

CHECKED BY _____ DATE _____ SCALE NO SCALE



FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	RI	2018-CH-045	2018	58	71

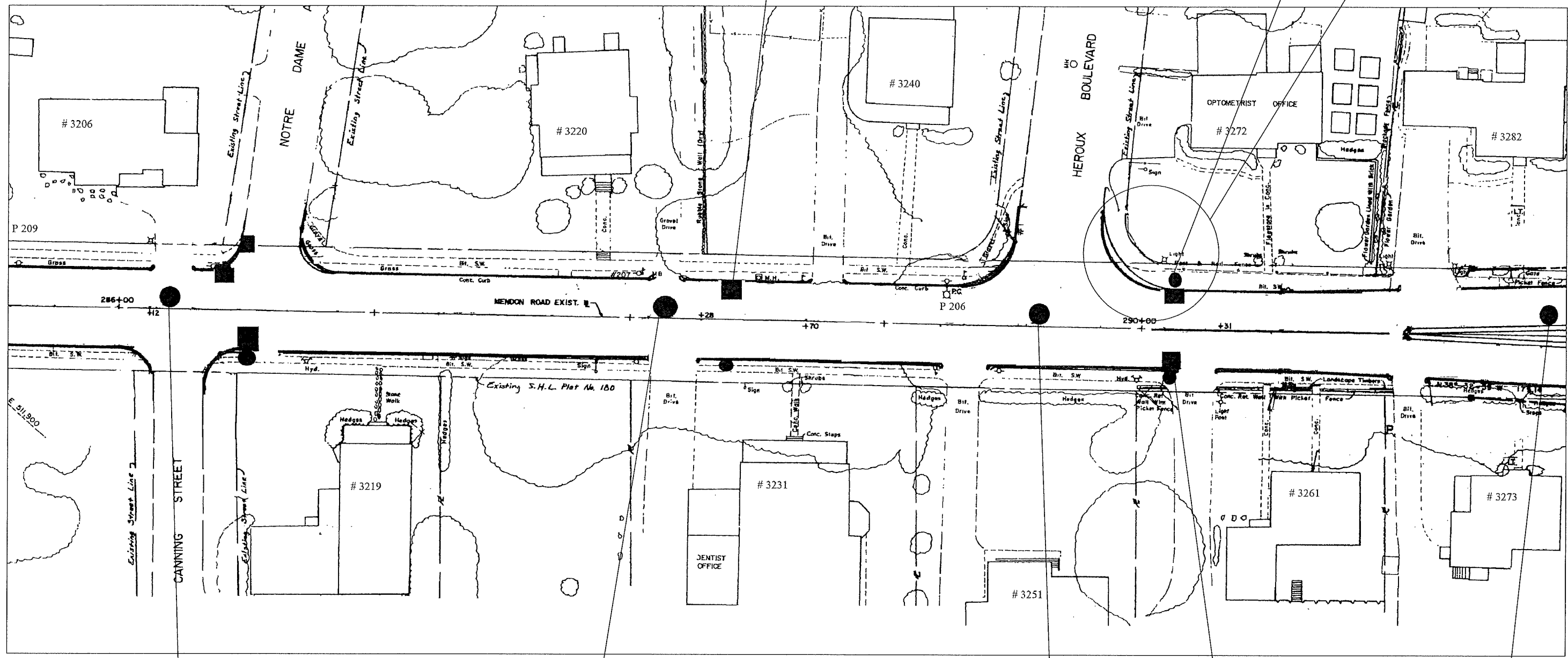
- DDI
- DC
- 7.1.8
- 4.5.1
- RSRC

- RCBG1
- DC
- 7.1.6

SEE HEROUX BLVD SIDEWALK
DETAIL SHEET 1

MATCH TO GENERAL PLAN 45

MATCH TO GENERAL PLAN 47



- RSMH
- CFC

RSMH

- ASMH
- CFC

- RCBG1
- DC
- 7.1.6
- DSW 20'
- 43.1.0 10'
- 43.5.0 10'

ASMH

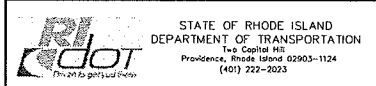
REVISIONS		
NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

REPAIRS TO MENDON ROAD
MANHOLES AND CATCH BASINS

CUMBERLAND, RHODE ISLAND

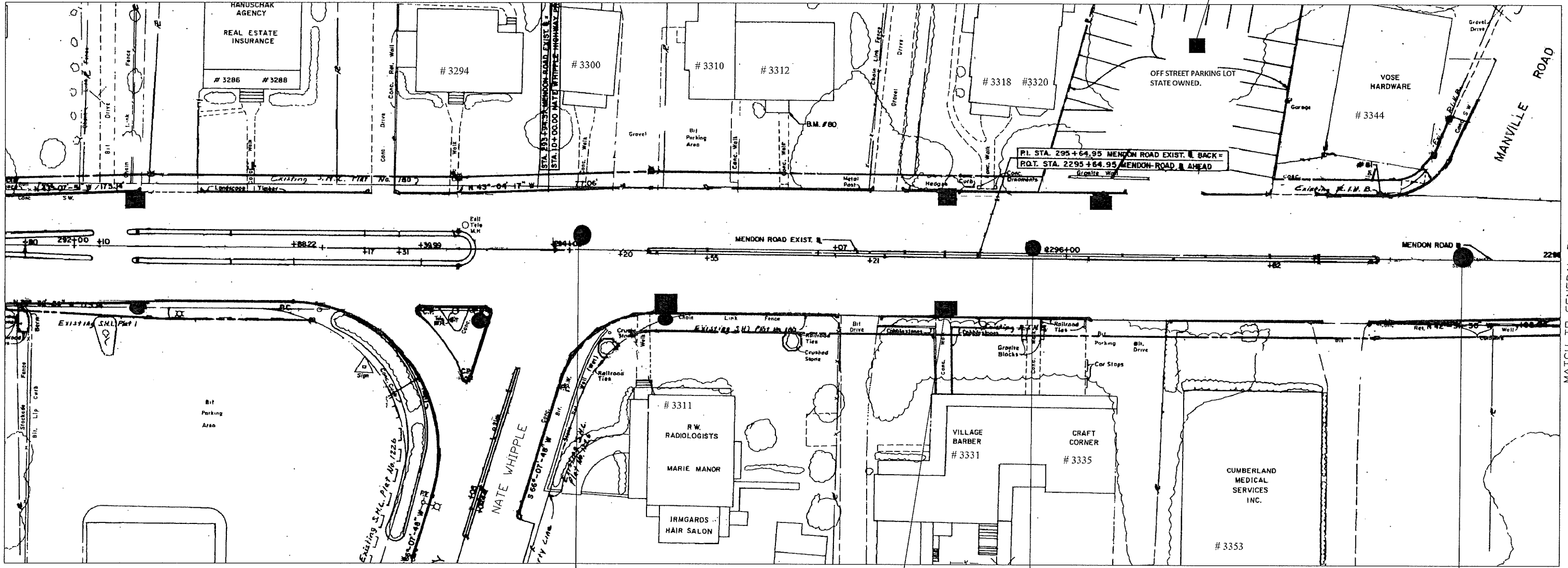
GENERAL PLAN 46



CHECKED BY _____ DATE _____ SCALE NO SCALE

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	RI	2018-CH-045	2018	59	71

DDI
4.5.0
RSRC



MATCH TO GENERAL PLAN 46

MATCH TO GENERAL PLAN 48

SMPP

RBCF
DC
7.1.8

SMPP

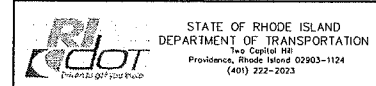
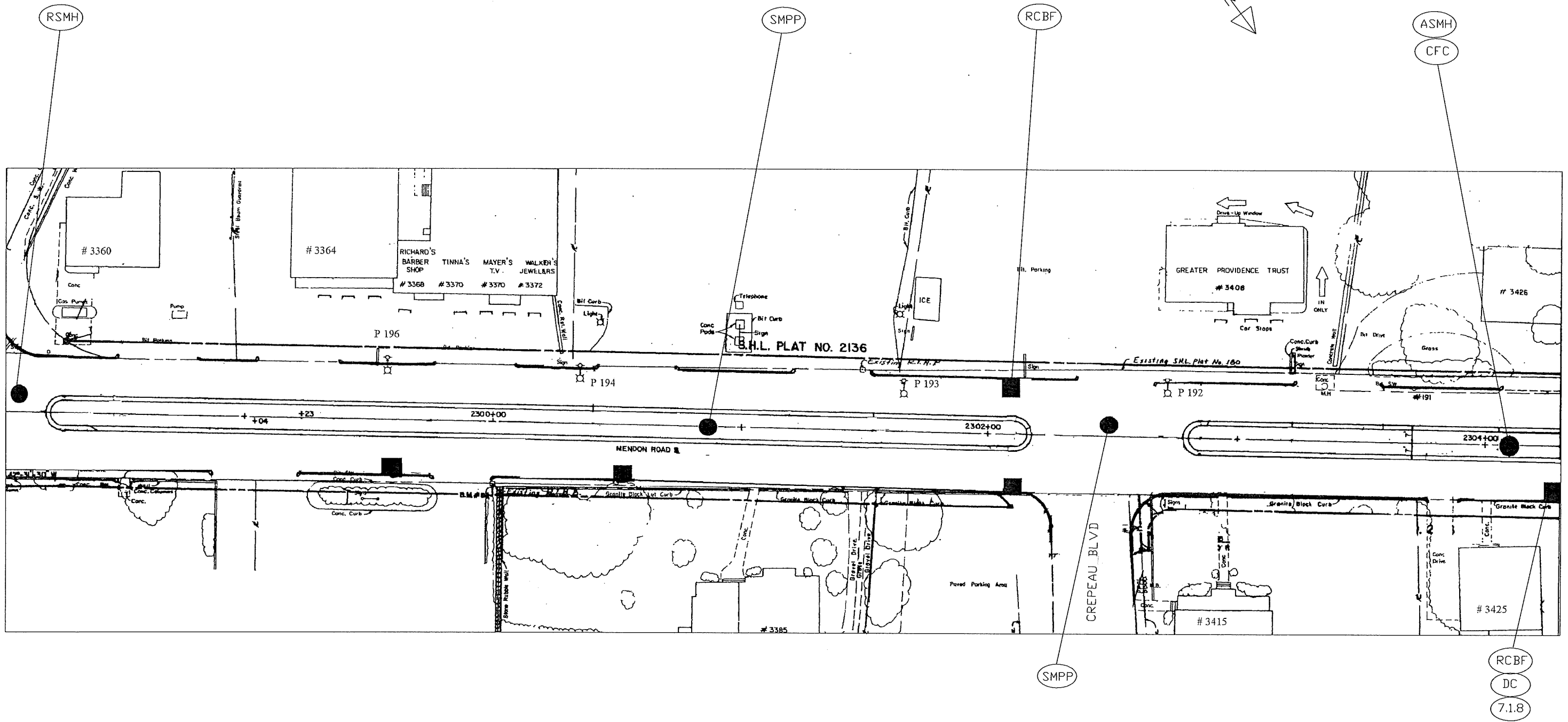
ASMH
CFC

REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
NO.	DATE	BY	REPAIRS TO MENDON ROAD MANHOLES AND CATCH BASINS	
			CUMBERLAND, RHODE ISLAND	
			GENERAL PLAN 47	
			CHECKED BY _____ DATE _____ SCALE NO SCALE	

STATE OF RHODE ISLAND
DEPARTMENT OF TRANSPORTATION
Providence, Rhode Island 02903-1124
(401) 222-2023

MATCH TO GENERAL PLAN 47

MATCH TO GENERAL PLAN 49

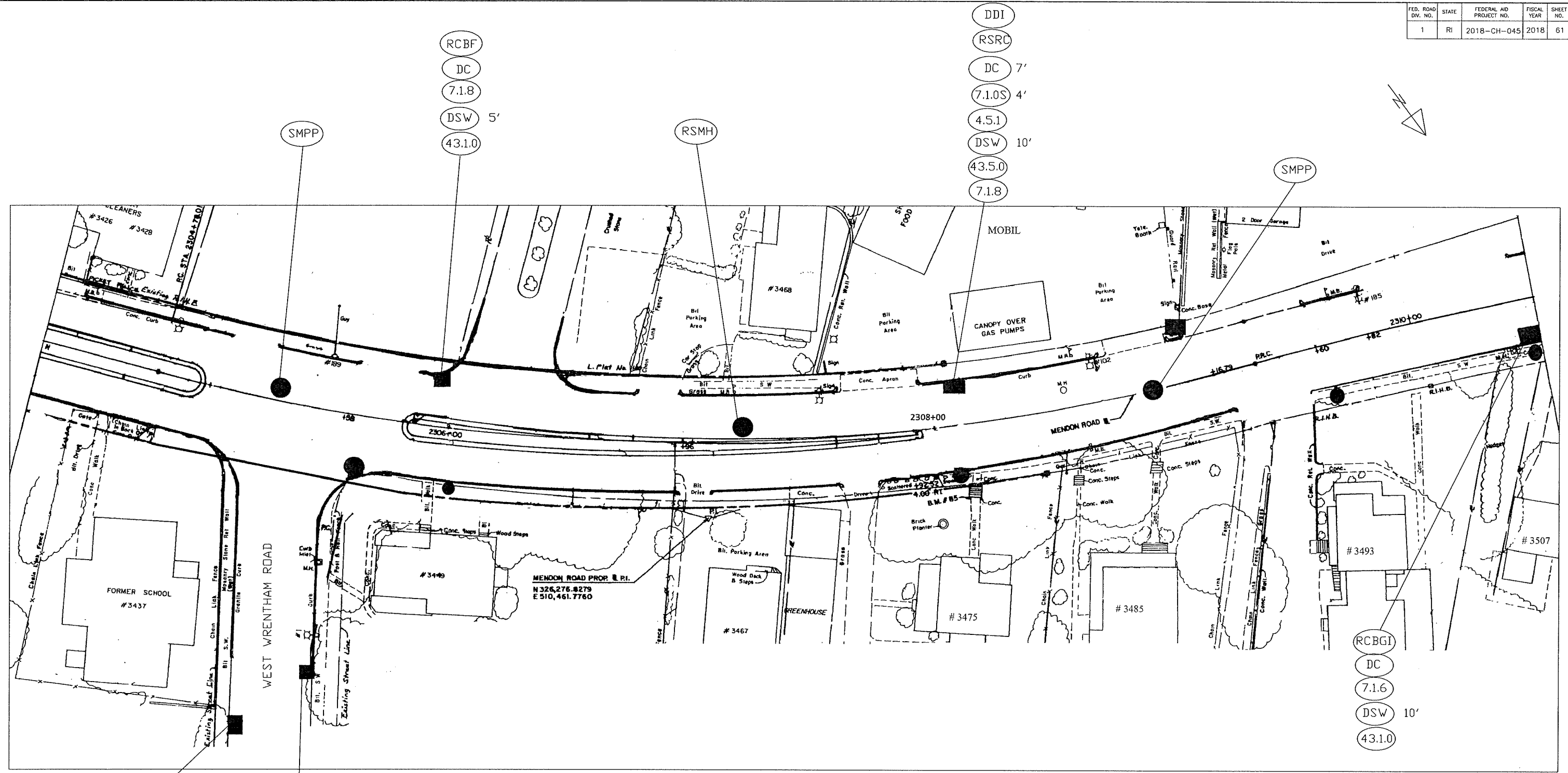


REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
NO.	DATE	BY	REPAIRS TO MENDON ROAD MANHOLES AND CATCH BASINS	
			CUMBERLAND, RHODE ISLAND	
			GENERAL PLAN 48	
			CHECKED BY _____ DATE _____ SCALE NO SCALE	

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	RI	2018-CH-045	2018	61	71

MATCH TO GENERAL PLAN 48

MATCH TO GENERAL PLAN 50



- DDI
- 4.5.1
- RSRC
- DC
- 7.1.8

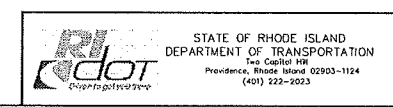
RCBF

REVISIONS		
NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION
REPAIRS TO MENDON ROAD
MANHOLES AND CATCH BASINS
CUMBERLAND, RHODE ISLAND

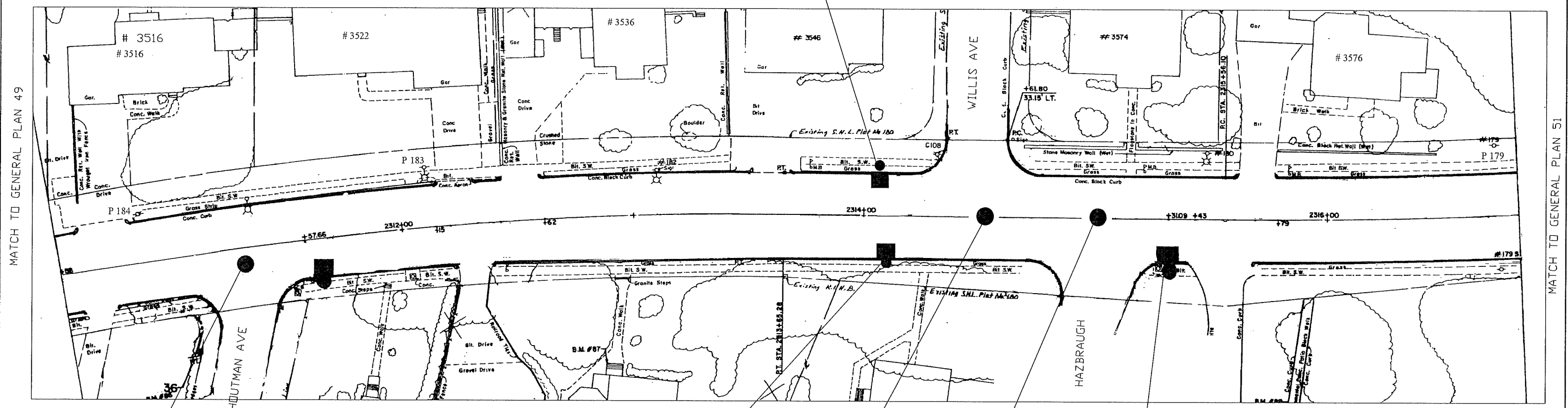
GENERAL PLAN 49

CHECKED BY _____ DATE _____ SCALE NO. SCALE



FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	RI	2018-CH-045	2018	62	71

RCBGI-D
 DC 15'
 7.1.6
 DSW 15'
 43.1.0



MATCH TO GENERAL PLAN 49

MATCH TO GENERAL PLAN 51

RSMH
 CFC

RCBGI
 DC
 7.1.6
 DSW 5'
 43.1.0

SMPP

SMPP

RCBGI
 DC
 7.1.6
 DSW 5'
 43.1.0

REVISIONS		
NO.	DATE	BY

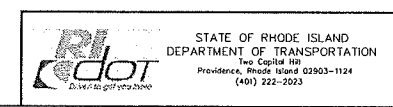
RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION

**REPAIRS TO MENDON ROAD
 MANHOLES AND CATCH BASINS**

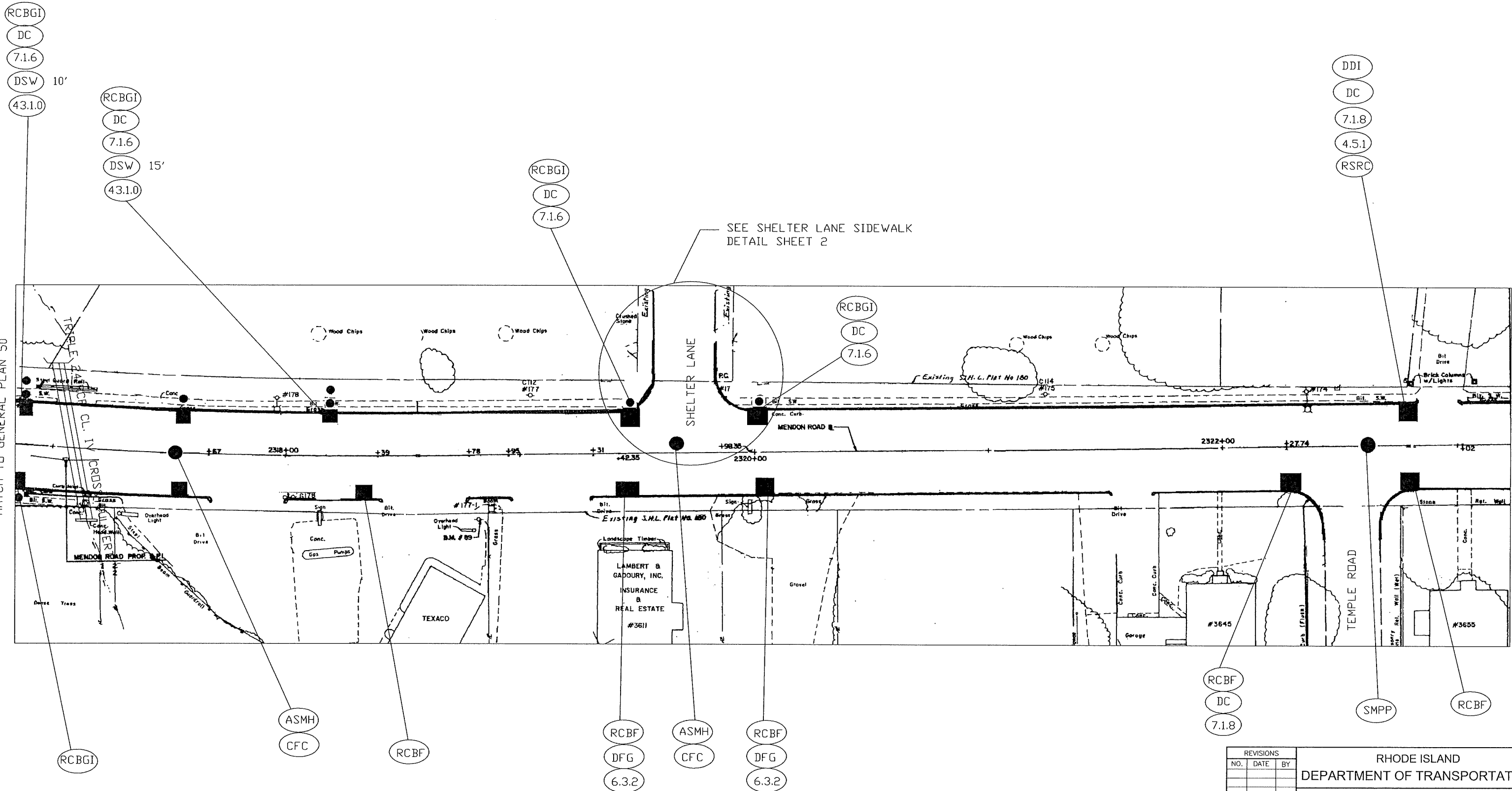
CUMBERLAND, RHODE ISLAND

GENERAL PLAN 50

CHECKED BY _____ DATE _____ SCALE NO SCALE



FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	RI	2018-CH-045	2018	63	71



MATCH TO GENERAL PLAN 50

MATCH TO GENERAL PLAN 52

ADDENDUM NO. 1

REVISIONS		
NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

**REPAIRS TO MENDON ROAD
MANHOLES AND CATCHBASINS**

CUMBERLAND, RHODE ISLAND

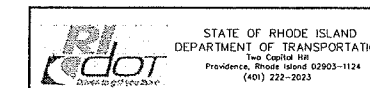
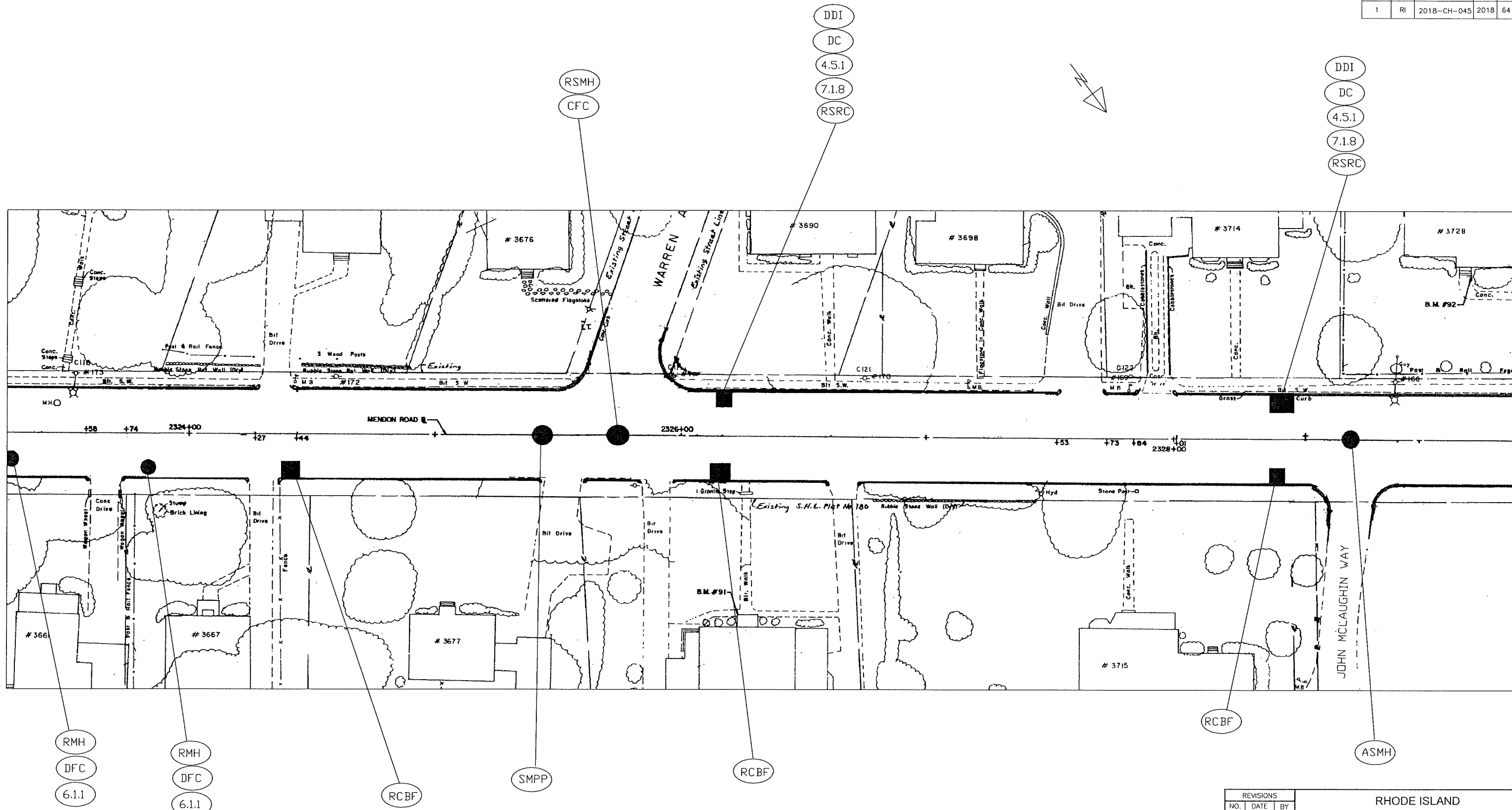
GENERAL PLAN 51

CHECKED BY _____ DATE _____ SCALE NO SCALE



MATCH TO GENERAL PLAN 51

MATCH TO GENERAL PLAN 53



REVISIONS		
NO.	DATE	BY

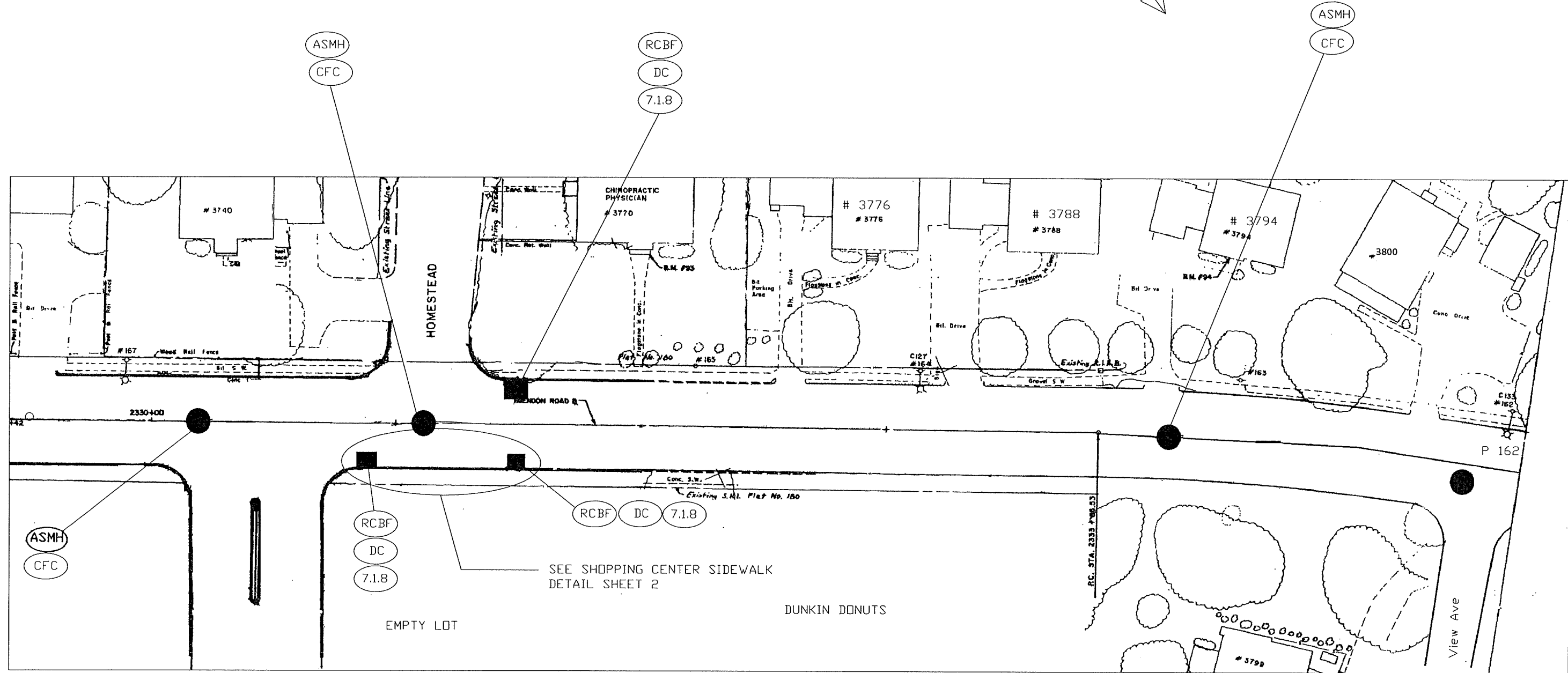
RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION
 REPAIRS TO MENDON ROAD
 MANHOLES AND CBs
 CUMBERLAND, RHODE ISLAND

GENERAL PLAN 52

CHECKED BY _____ DATE _____ SCALE NO SCALE

MATCH TO GENERAL PLAN 52

MATCH TO GENERAL PLAN 54



REVISIONS		
NO.	DATE	BY

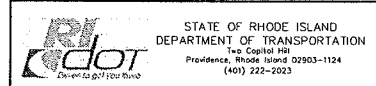
**RHODE ISLAND
DEPARTMENT OF TRANSPORTATION**

**REPAIRS TO MENDON ROAD
MANHOLES AND CATCH BASINS**

CUMBERLAND, RHODE ISLAND

GENERAL PLAN 53

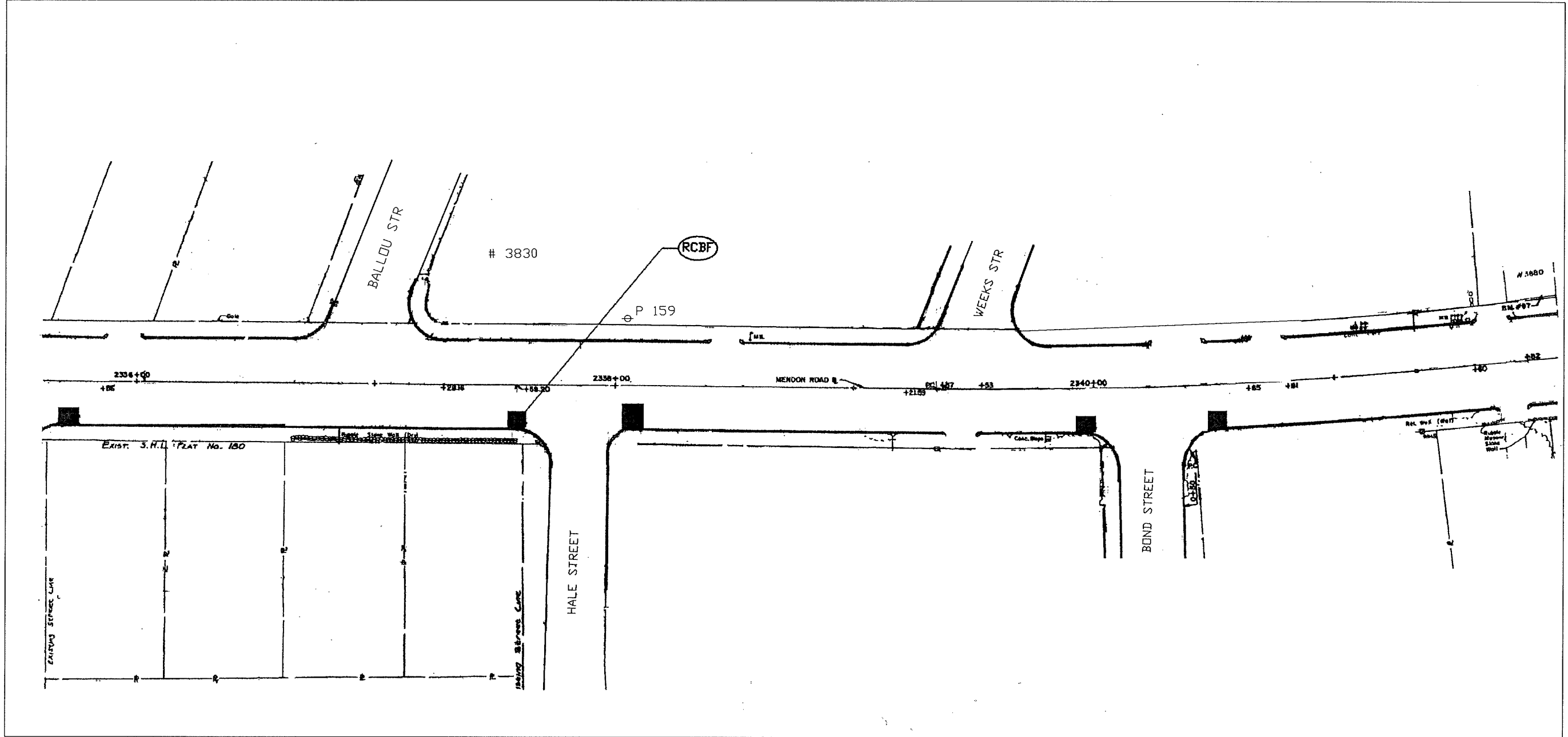
CHECKED BY _____ DATE _____ SCALE NO SCALE



FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	RI	2018-CH-045	2018	66	71



MATCH TO GENERAL PLAN 53



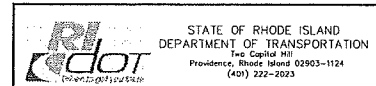
MATCH TO GENERAL PLAN 55

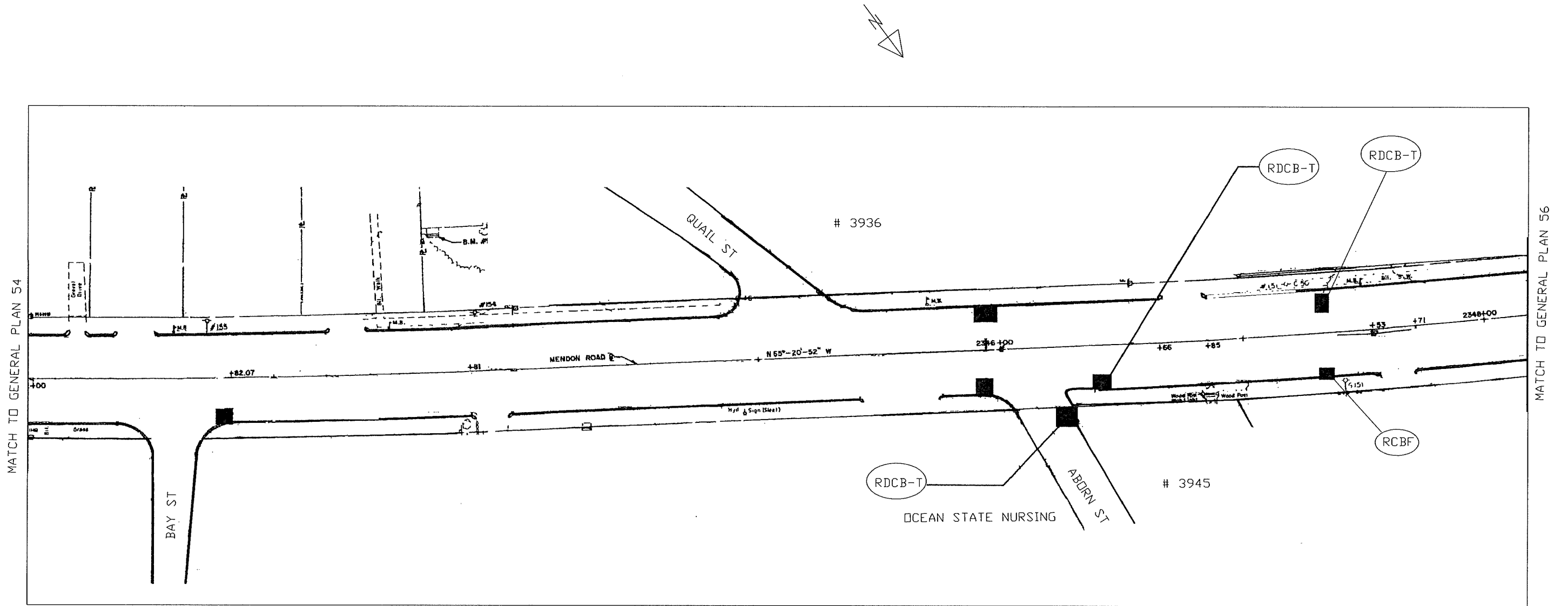
REVISIONS		
NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION
**REPAIRS TO MENDON ROAD
MANHOLES AND CATCH BASINS**
CUMBERLAND, RHODE ISLAND

GENERAL PLAN 54

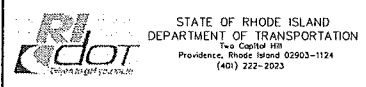
CHECKED BY _____ DATE _____ SCALE _____

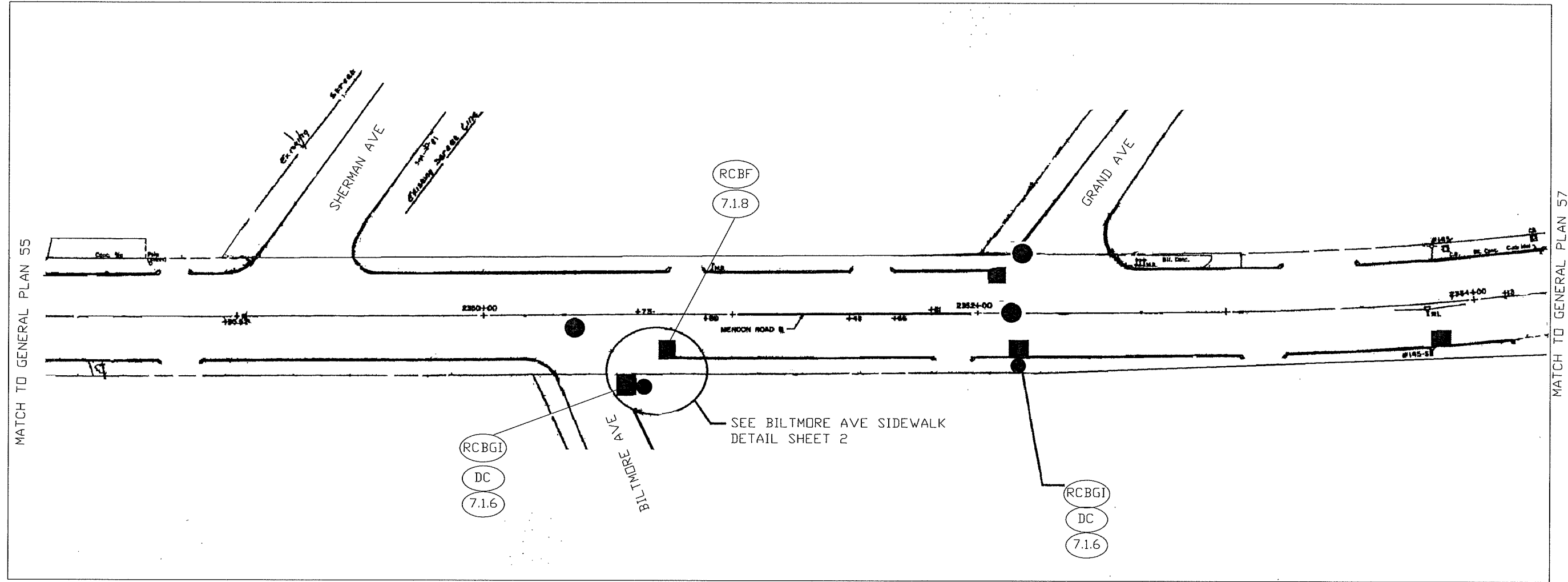




REVISIONS		
NO.	DATE	BY

RHODE ISLAND DEPARTMENT OF TRANSPORTATION	
REPAIRS TO MENDON ROAD MANHOLES AND CATCH BASINS	
CUMBERLAND,	RHODE ISLAND
GENERAL PLAN 55	
CHECKED BY _____ DATE _____ SCALE NO SCALE	





REVISIONS		
NO.	DATE	BY

RHODE ISLAND
DEPARTMENT OF TRANSPORTATION

REPAIRS TO MENDON ROAD
MANHOLES AND CATCH BASINS

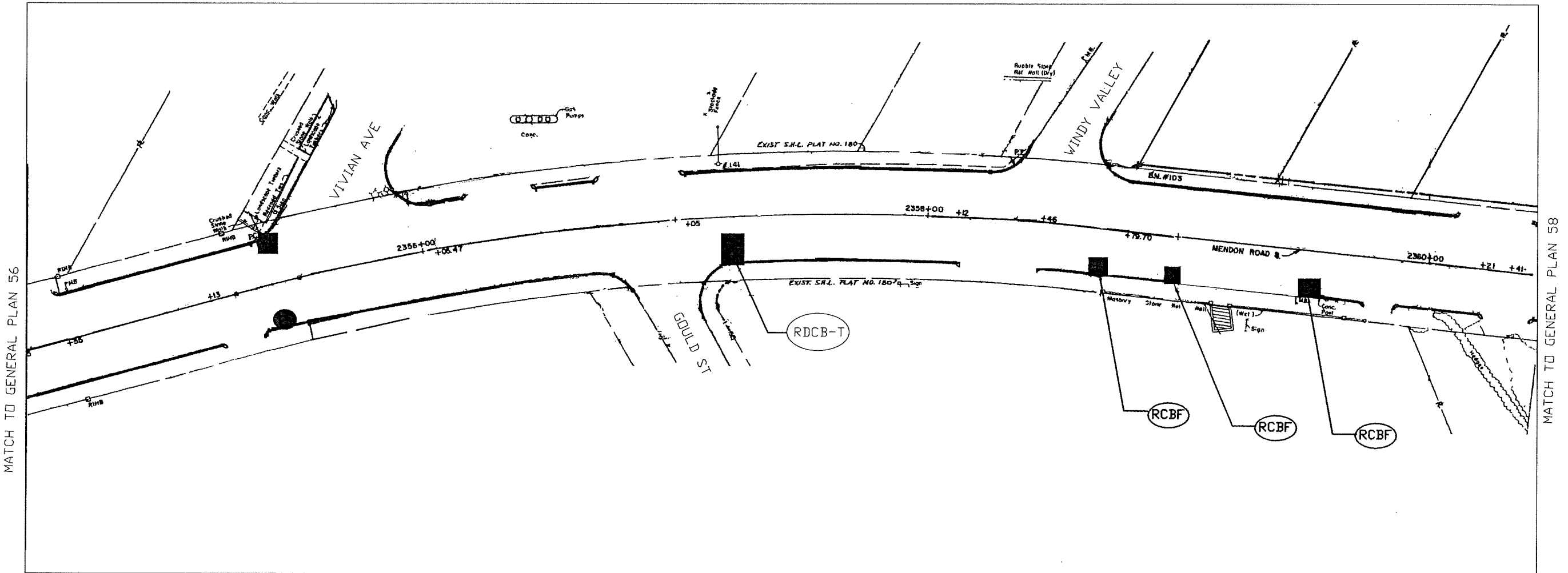
CUMBERLAND, RHODE ISLAND

GENERAL PLAN 56

CHECKED BY _____ DATE _____ SCALE NO SCALE

STATE OF RHODE ISLAND
DEPARTMENT OF TRANSPORTATION
Two Capital Hill
Providence, Rhode Island 02903-1124
(401) 522-2023

FED. ROAD DIV. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	RI	2018-CH-045	2018	69	71

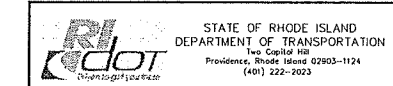


MATCH TO GENERAL PLAN 56

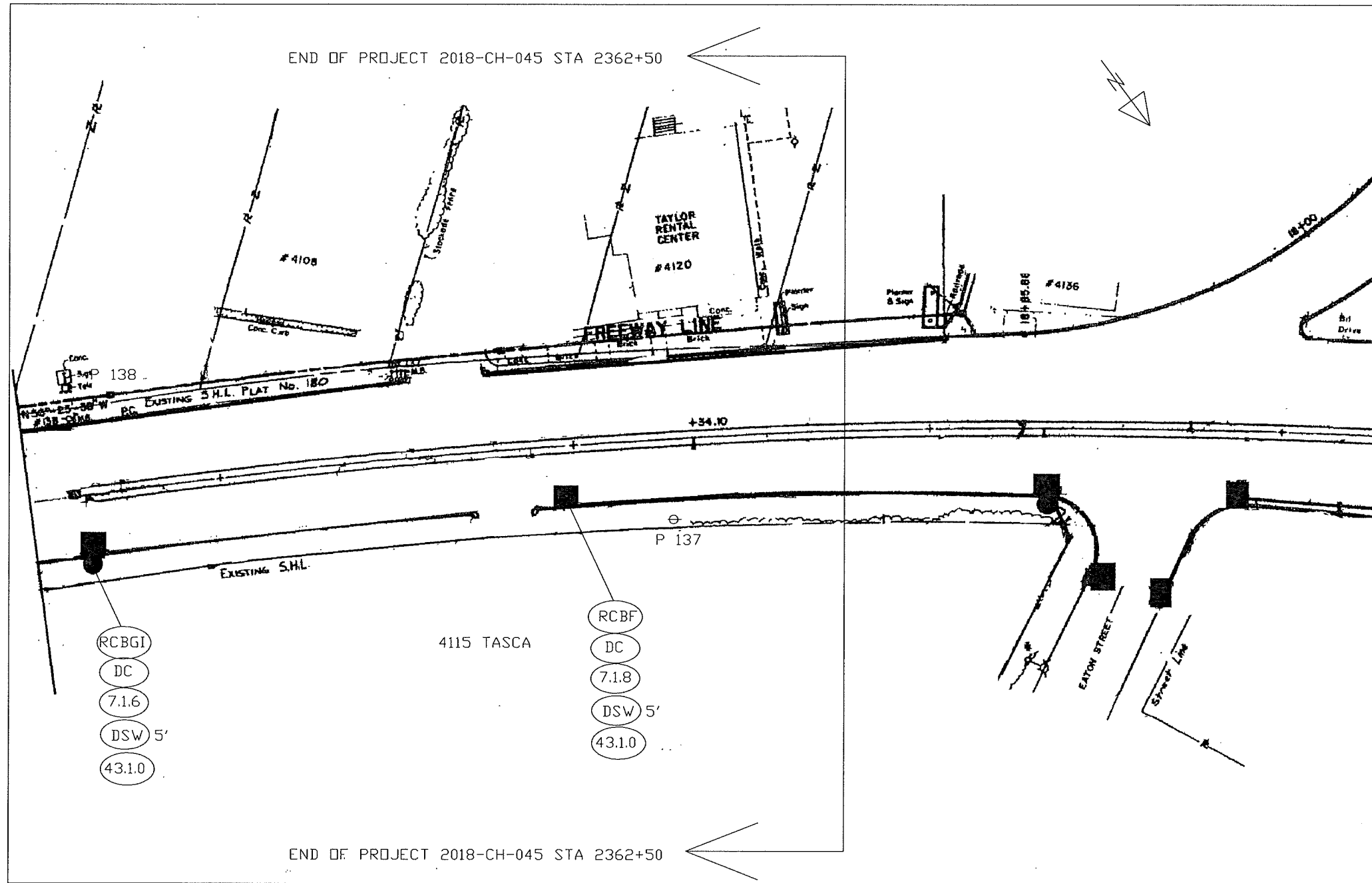
MATCH TO GENERAL PLAN 58

REVISIONS		
NO.	DATE	BY

RHODE ISLAND
 DEPARTMENT OF TRANSPORTATION
REPAIRS TO MENDON ROAD
MANHOLES AND CBs
 CUMBERLAND, RHODE ISLAND
GENERAL PLAN 57
 CHECKED BY _____ DATE _____ SCALE NO. SCALE



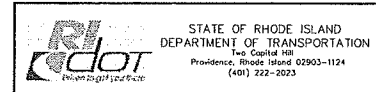
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
1	RI	2018-CH-045	2018	70	71

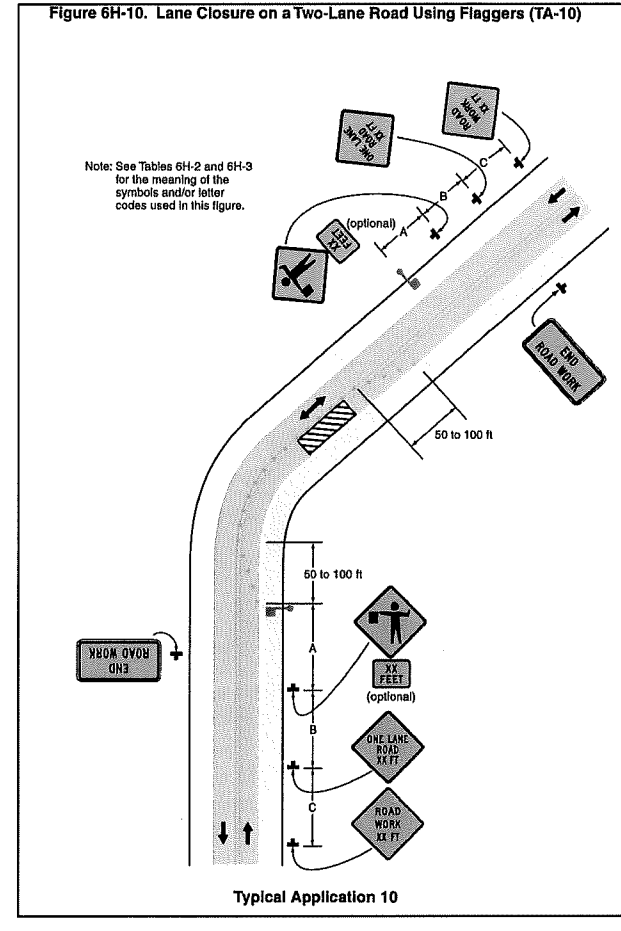
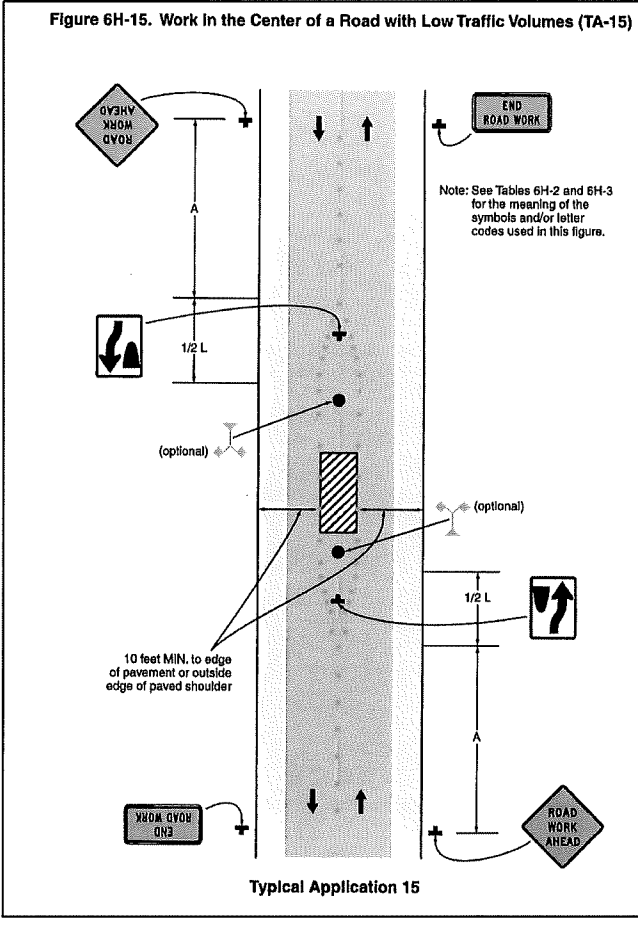
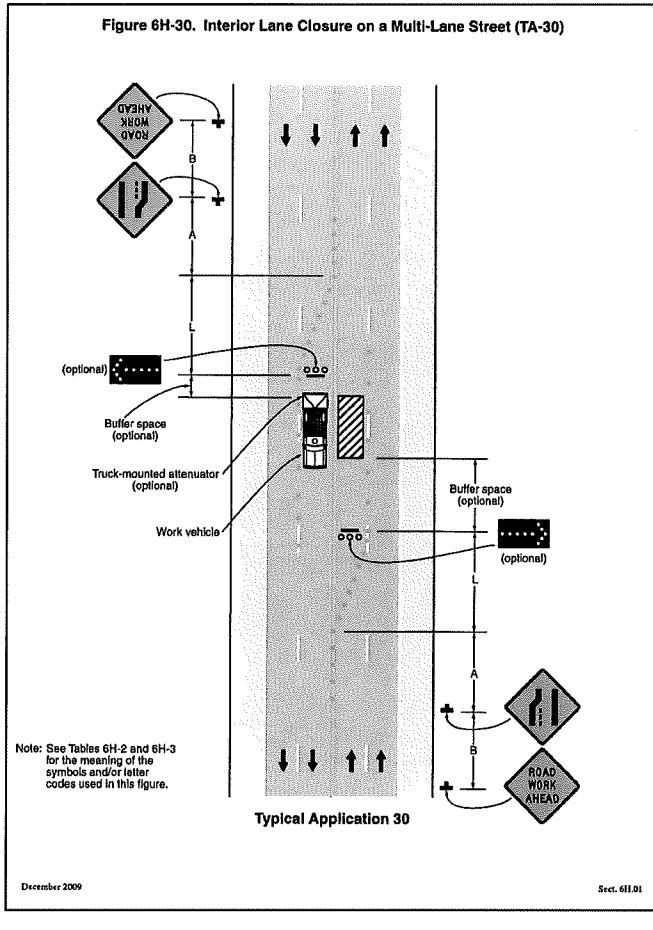
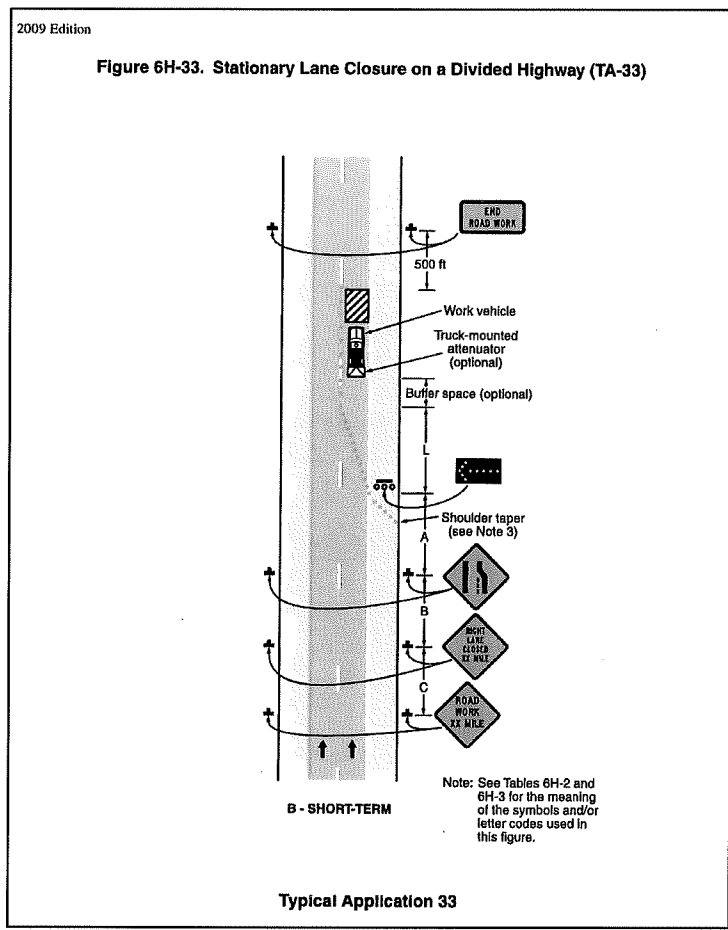


MATCH TO GENERAL PLAN 57

REVISIONS			NO.	DATE	BY
NO.	DATE	BY			

RHODE ISLAND	
DEPARTMENT OF TRANSPORTATION	
REPAIRS TO MENDON ROAD	
MANHOLES AND CATCH BASINS	
CUMBERLAND,	RHODE ISLAND
GENERAL PLAN 58	
CHECKED BY _____ DATE _____ SCALE NO SCALE	





REVISIONS			RHODE ISLAND DEPARTMENT OF TRANSPORTATION
NO.	DATE	BY	
			Repairs to Mendon Road Manholes and Catch Basins Cumberland
			MAINTENANCE AND PROTECTION OF TRAFFIC DETAILS
			CHECKED BY _____ DATE _____ SCALE NONE