SPEED HUMP CROSS SECTION

SECTION B-B

SPEED HUMP CROSS SECTION

SECTION A-A

GENERAL NOTES

1. RAISED INTERSECTIONS SHALL FOLLOW THE SAME TAPER REQUIREMENT AS THE SPEED HUMPS DETAILED HEREIN.

2. PAYMENT FOR PAVEMENT MARKINGS FOR SPEED HUMPS AND RAISED INTERSECTIONS SHALL BE INCLUDED IN THE RESPECTIVE BID ITEMS AND SHALL NOT BE PAID FOR SEPARATELY.
**CONSTRUCTION METHOD AND SEQUENCING**

1. The work to be completed on this project shall include, but not be limited to, the following items, the order of construction shall be as herein unless otherwise authorized or directed by the Engineer:
   -  **Striping/Marking/Striping and Seal Surfacing in accordance with the plans, and as directed by the Engineer.**
   -  **Preparation of Pavement surface and underlayment as shown on the plans and as directed by the Engineer.**
   -  Insert all structural concrete, including valve and manhole boxes.
   -  Remove all concrete work, including restoration, in accordance with the plans, and as directed by the Engineer.
   -  Mill 2-3 inches of existing pavement from existing roadway. This may include services to a base material. Depth to be determined by the Engineer, proof roll with full truck.
   -  Perform undercuts and asphalt base repairs as directed by the Engineer.
   -  Gravel backfill and re-compacted the existing road base as required, and as directed by the Engineer.
   -  Place 24/30 inches of aggregate mix as specified or directed by the Engineer, as the loading course, in the lift.
   -  Assemble all structural concrete, improve shoulder, and pour concrete and as directed by the Engineer.
   -  Place 1-1/2 inches of the surfacing mix as specified or directed by the Engineer, as the wearing course, in the lift.
   -  Complete all pavement markings in accordance with the plans, and as directed by the Engineer.
   -  Complete all miscellaneous construction including all clean-up and final restoration.
   -  Resume all traffic control devices, resume roadway use.

**NOTE:**

The construction shown by these plans shall conform to the 1994 edition of the City of Ann Arbor Public Services Department Standard Specifcations. The plans are subject to approval by the City Engineer. The following materials and standard specifications are intended for use in place of the standard specifications and details.

1. **1. Construction Method and Sequencing:**
   -  The construction method and sequencing shall conform to the 1994 edition of the City of Ann Arbor Public Services Department Standard Specifications and Details. The plans are subject to approval by the City Engineer. The following materials and standard specifications are intended for use in place of the standard specifications and details.

2. **2. Materials and Equipment:**
   -  The materials and equipment shall conform to the 1994 edition of the City of Ann Arbor Public Services Department Standard Specifications and Details. The plans are subject to approval by the City Engineer. The following materials and standard specifications are intended for use in place of the standard specifications and details.

3. **3. Roadway Use:**
   -  The roadway use shall conform to the 1994 edition of the City of Ann Arbor Public Services Department Standard Specifications and Details. The plans are subject to approval by the City Engineer. The following materials and standard specifications are intended for use in place of the standard specifications and details.

4. **4. Traffic Control:**
   -  The traffic control shall conform to the 1994 edition of the City of Ann Arbor Public Services Department Standard Specifications and Details. The plans are subject to approval by the City Engineer. The following materials and standard specifications are intended for use in place of the standard specifications and details.

5. **5. Drainage:**
   -  The drainage shall conform to the 1994 edition of the City of Ann Arbor Public Services Department Standard Specifications and Details. The plans are subject to approval by the City Engineer. The following materials and standard specifications are intended for use in place of the standard specifications and details.

**TRAFFIC CONTROL & ROUGH LEVEL**

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<tr>
<td>24</td>
<td>Placement of Equipment</td>
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</table>

**DESIGNER**

- R. J. Hohn

**DATE**

- 10/04/2014

**PROJECT LOCATION:**

Washington Street

**FILE No.**

2014004
CITY OF ANN ARBOR
PROJECT MANAGEMENT
2014 ANNUAL RESURFACING
PROGRAM
PROJECT LOCATION: NORTHSIDE GRILL ALLEY
FILE No. 2014004

CONSTRUCTION METHOD AND SEQUENCING

1. THE WORK TO BE COMPLETED ON THE STREET SHALL BE PERMITTED TO PROCEED AS INDICATED IN THE FOLLOWING SEQUENCING CHART, WHICH IS BASED ON THE ACTUAL CONDITIONS PREVAILING AT THE TIME OF CONSTRUCTION.

2. WORK FOR THE RESURFACING OF THE EXISTING ROAD SURFACE AND UNDERGROUND AS SHOWN ON THE PLAN, AND AS DIRECTED BY THE ENGINEER.

3. LOAD ALL STRUCTURAL OUTPUTS IN ACCORDANCE WITH THE PLANS AND AS DIRECTED BY THE ENGINEER.

4. COMPLETE ALL RESURFACING WORK AS DIRECTED BY THE ENGINEER.

5. COMPLETE ALL INFRASTRUCTURE CONSTRUCTION AS DIRECTED BY THE ENGINEER.

6. COMPLETE ALL TRAFFIC CONTROL AND SIGN LEASED WORK AS DIRECTED BY THE ENGINEER.
FULLER RD
CONSTRUCTION METHOD AND SEQUENCING

1. The work to be completed on this street shall include, but not be limited to, the following: Construction shall be as above unless otherwise specified or directed by the engineer.

2. Implement traffic maintenance, and soil erosion controls in accordance with the plans, and as directed by the engineer.

3. Install and maintain future hybrid and underground as shown on the plans, and as directed by the engineer.

4. Lumber all structure, access, and maintenance roads.

5. Inspect all concrete work, including inspection, in accordance with the plans, and as directed by the architect.

6. Install a system of permanent, maintenance-free, erosion control. This system shall be coordinated with the existing sidewalk and curb except where conflicts arise.

7. Maintain all permanent permanent concrete foundations.

8. Perform all underground and/or above ground work as directed by the architect.

9. Perform all underground and/or above ground work as directed by the architect.

10. Provide 1/2 board of the sidewalk that is to be constructed, as the base course, for the architect.

11. Provide 1/2 board of the sidewalk that is to be constructed, as the base course, for the architect.

12. Provide 1/2 board of the sidewalk that is to be constructed, as the base course, for the architect.

13. Complete all underground and/or above ground work as directed by the architect.

14. Complete all miscellaneous construction including all clean-up and final restoration.

15. Remove all traffic control devices. Remove all traffic signs.

NOTES:

- The architect reserves the right to change or modify this plan, and as directed by the architect.

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NEWPORT RD.

CONSTRUCTION KEY

ENT  DESCRIPTION
0'921464 &  REMOVE AND REPLACE CURB AND GUTTER
0'921464 &  REMOVE GUTTER AND CURB, REPLACE WITH CURB AND GUTTER
0'921464 &  REMOVE CURB AND GUTTER, REPLACE WITH CURB AND GUTTER
0'921464 &  REMOVE CURB AND GUTTER, REPLACE WITH CURB AND GUTTER
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0'921464 &  REMOVE CURB AND GUTTER, REPLACE WITH CURB AND GUTTER
0'921464 &  REMOVE CURB AND GUTTER, REPLACE WITH CURB AND GUTTER

NEWPORT RD.
# Project Management

## 2014 Annual Resurfacing Program

**Project Location:** Woodbury Drive

**File No.:** 2014004

---

### Construction Method and Sequencing

1. The work to be constructed on this street shall follow, but not be limited to the following stages. The order of construction shall be as shown unless otherwise authorized or directed by the engineer.

2. Install either asphalt, and bituminous, or bituminous and granular, as directed by the engineer.

3. Lay all concrete curbs, including base, curb, and gutter, as shown on the plans, and as directed by the engineer.

4. Lay lower this structure, including base, and gutter, as shown on the plans, and as directed by the engineer.

5. Perform all concrete work, including base, and gutter, as shown on the plans, and as directed by the engineer.

6. Use 7/8” square of diamond material from existing roadways, which may include irregular-shaped base, natural depth, to be determined by the engineer. Pour roll with 2” bleed.

7. Perform undercuts and cut-up work as directed by the engineer.

8. Drain, shape, and re-compact the existing road base as required, and as directed by the engineer.

9. Use 7/8” square of diamond material as specified on the plans, as the leveling course to the top.

10. Adjust all structural curbs, including base, and gutter, as shown on the plans, and as directed by the engineer.

11. Place 7/8” square of diamond material as specified on the plans, as the leveling course, as shown on the plans, and as directed by the engineer.

12. Complete all pavement markings in accordance with the plans, and as directed by the engineer.

13. Complete all miscellaneous construction including all clean-up and final restoration.

14. Remove all traffic control devices, or as shown on the plans.

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### Table: Traffic Control & Signage

<table>
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**Notes:**

The construction covered by these plans shall conform to the 1994 Code of the City of Ann Arbor Public Service Department Stormwater Specifications and its revision which are shown on the plans. The construction shall be as shown unless otherwise authorized or directed by the engineer.

For protection of underground utilities and in accordance with the following stages, the construction shall be as shown unless otherwise authorized or directed by the engineer. The construction shall be as shown unless otherwise authorized or directed by the engineer. The engineer may require such additional work as the engineer deems necessary to preserve the safety of the contractor, the public, or the utility. The engineer shall be notified of any such additional work. This does not relieve the responsibility of the contractor to adequately protect the utility and not form an attachment of the "no cut" alert system.

The underground locations shown for natural gas, water, telephone, etc. (electrical power) are shown by the City's Public Service Department. The construction may, and is to be completed by the contractor, as shown on the plans, and as shown on the plans. The engineer shall be notified of any such additional work. This does not relieve the responsibility of the contractor to adequately protect the utility and not form an attachment of the "no cut" alert system.
<table>
<thead>
<tr>
<th>TRAFFIC CONTROL &amp; SIGN LEGENDS</th>
<th>DESCRIPTION</th>
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<tbody>
<tr>
<td>1</td>
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CITY OF ANN ARBOR
PROJECT MANAGEMENT
2014 ANNUAL RESURFACING PROGRAM
PROJECT LOCATION: WALDENWOOD DRIVE & COURTS
FILE No. 2014004

CONSTRUCTION METHOD AND SEQUENCING

1. The work to be completed on this street shall include, but not be limited to the following items. The order of construction shall be as shown before commencement authorized or directed by the Engineer.

2. Temporary traffic control devices, and stop and go signs, will be in accordance with the plans, and as directed by the Engineer. These are not to be signs used to control traffic.

3. Paving and removed sections, and underdrain as shown on the plans, and as directed by the Engineer.

4. Litter and structure cut, including valve and manhole boxes.

5. Removing all concrete work, including restoration, in accordance with the plans, and as directed by the Engineer.

6. Mill 1-1/2 inches of existing asphalt from driving surface and resurface with full thickness.

7. Performance and/or base repairs as directed by the Engineer.

8. Grade, pave, and re-construct the existing road base as required, and as directed by the Engineer.

9. Place 2 inches of the subgrade mix as specified or directed by the Engineer, as the levelling course, in the left.

10. Adjust all structure cut, including valve and manhole boxes to your preferred elevation.

11. Place 1-1/2 inches of the subgrade mix as specified or directed by the Engineer, as the levelling course, in the left.

12. Complete all pavement widening in accordance with the plans, and as directed by the Engineer.

13. Complete all miscellaneous construction including all clean-up and final restoration.

14. Remove all traffic control devices. Remove sign on grades.

NOTES:

The construction opening of work shall be in conformance with the order of construction and the plans. The Engineer reserves the right to change as needed, and as directed.

The City of Ann Arbor assumes no responsibility for their accuracy. Representation in this drawing, and as changes may be requested prior to construction to locate these utilities.

For protection of underground utilities and in conformance with Public Act No. 277 of 1977 and Michigan Administrative Code Title 76, Part 12, article 6, and other state and local utilities, the City of Ann Arbor assumes no responsibility for their accuracy. Representation in this drawing, and as changes may be requested prior to construction to locate these utilities.

The City of Ann Arbor assumes no responsibility for their accuracy. Representation in this drawing, and as changes may be requested prior to construction to locate these utilities.

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