CITY OF ANN ARBOR
ENGINEERING

STREET RESURFACING/RESTORATION PROJECT - 2020

ITB No. BID NO FILE No. 2020-004

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RUNNYMEDE BLVD & WIMPOLE ST
SAXON ST, WALTHAM DR & WINDSOR DR

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

PREPARED UNDER THE SUPERVISION OF
DAVID ARTHUR DYKMAN, P.E. - MI LICENSE No. 52912
PROJECT MANAGER
DATE
03 / 05 / 2020

© STREET RESURFACING/RESTORATION PROJECT - 2020; ITB No. BID NO FILE No. 2020-004

KNOW WHAT'S BELOW.
CALL BEFORE YOU DIG.
PERMITS REQUIRED TO BE OBTAINED BY THE CONTRACTOR PRIOR TO THE BEGINNING OF CONSTRUCTION.

<table>
<thead>
<tr>
<th>PERMIT</th>
<th>ISSUING AUTHORITY</th>
</tr>
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<tbody>
<tr>
<td>LANE CLOSURE PERMIT</td>
<td>CITY OF ANN ARBOR</td>
</tr>
<tr>
<td>GRADING/SOIL EROSION &amp; SEDIMENTATION CONTROL PERMIT</td>
<td>CUSTOMER SERVICE</td>
</tr>
<tr>
<td>RIGHT-OF-WAY PERMIT</td>
<td>CITY OF ANN ARBOR</td>
</tr>
</tbody>
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* NO COST TO CONTRACTOR

CONTACT INFORMATION

PUBLIC UTILITIES

<table>
<thead>
<tr>
<th>OWNER</th>
<th>CONTACT</th>
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PRIVATE UTILITIES

<table>
<thead>
<tr>
<th>OWNER</th>
<th>CONTACT</th>
</tr>
</thead>
<tbody>
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<td></td>
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</tbody>
</table>

GENERAL NOTES:

- Items 1 through 3 apply to all projects unless noted otherwise.
- Items 4 through 6 pertain to the specific project described above.
- Items 7 through 15 refer to the project's specific requirements and conditions.
- Items 16 through 19 address the contractor's compliance with local regulations.

PROJECT NO.

2020-004

STREET RESURFACING/RESTORATION

PROJECT - 2020

NOTES & MISCELLANEOUS QUANTITIES

1. Permit applications for all projects described above shall be made in accordance with the procedures outlined in the permit application section. Applications shall be submitted to the appropriate authority identified in the permit application section. The permit applications shall be reviewed and approved by the grantee and the appropriate regulatory authority prior to the commencement of any work.

2. The contractor is responsible for obtaining all necessary permits and approvals required by the applicable local regulations. The contractor shall ensure that all work is performed in accordance with the terms and conditions of the permit.

3. The contractor shall be responsible for ensuring that all work is performed in accordance with the applicable safety standards and regulations. The contractor shall be responsible for ensuring that all work is performed in a safe and environmentally responsible manner.

4. The contractor shall be responsible for ensuring that all work is performed in accordance with the applicable specifications and standards. The contractor shall be responsible for ensuring that all work is performed in accordance with the applicable specifications and standards.

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PROJECT NO.

2020-004

STREET RESURFACING/RESTORATION

PROJECT - 2020

NOTES & MISCELLANEOUS QUANTITIES

1. Permit applications for all projects described above shall be made in accordance with the procedures outlined in the permit application section. Applications shall be submitted to the appropriate authority identified in the permit application section. The permit applications shall be reviewed and approved by the grantee and the appropriate regulatory authority prior to the commencement of any work.

2. The contractor is responsible for obtaining all necessary permits and approvals required by the applicable local regulations. The contractor shall ensure that all work is performed in accordance with the terms and conditions of the permit.

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19. The contractor shall be responsible for ensuring that all work is performed in accordance with the applicable specifications and standards. The contractor shall be responsible for ensuring that all work is performed in accordance with the applicable specifications and standards.
**SPEED HUMP CROSS SECTION**

**SECTION B-B**

- 1.0" taper (min.)
- 1.5" min. milled butt joint (typ.)
- 18" to 36"  

**SPEED HUMP CROSS SECTION**

**SECTION A-A**

- 1/2" milled butt joint
- 3" thk. @ center line
- 1/2" milled butt joint

**PAVEMENT MARKING DETAIL**

- 1.0" taper (typ.)
- 2" cold plastic inlaid (typ.)
- Center line of road
- B" gutter and gutter

**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.
# CITY OF ANN ARBOR

## ENGINEERING

### PROJECT LOCATION: BOARDWALK DRIVE

**ITB No.** BID NO  FILE No. 2020-004

### CONSTRUCTION METHOD AND SEQUENCING

1. The work to be completed on 98 STREET will include, but not be limited to the following items: the City of Construction shall be made unless otherwise authorized by the Engineer.
2. The Engineer reserves the right to alter or modify the plans and specifications as directed by the City, and as directed by the Engineer.
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4. The Engineer reserves the right to alter or modify the plans and specifications as directed by the City, and as directed by the Engineer.
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### NOTES

- Know what's below.
- Call before you dig.
Know what's below. Call before you dig.
Know what's below. Call before you dig.

STREET RESURFACING/RESTORATION PROJECT - 2020
BOARDWALK DRIVE
STA. 30+00 - STA. 38+10 PAVT MRKG
# CITY OF ANN ARBOR
## ENGINEERING
### PROJECT LOCATION: GEDDES AVENUE

**ITB No. BID NO FILE No. 2020-004**

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Item Description</th>
<th>Unit</th>
<th>Quantity</th>
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<td>Base Course, 6&quot; Tan and 4&quot; Black Tarmac</td>
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**QUANTITIES**

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<thead>
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<th>Item Description</th>
<th>Unit</th>
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<td>Sq Ft</td>
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</tr>
</tbody>
</table>

**NOTES**

- Know what's below.
- Call before you dig.

---

**CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING**

301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org
CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

STREET RESURFACING/RESTORATION PROJECT - 2020
GEDDES AVENUE
DETOUR PLAN

WORK ZONE BEGINS

END ROAD WORK
GEDDES AVE
WASHTENAW CT
OBSERVATORY ST
CHURCH ST

PLAN:
1:40

Know what's below. Call before you dig.
ELM ST
OBSERVATORY ST

PLAN:
Custom

Know what's below.
Call before you dig.

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
CITY OF ANN ARBOR
PUBLIC SERVICES
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734-794-6410
www.a2gov.org

2020-004
STREET RESURFACING/RESTORATION PROJECT - 2020
GEDDES AVENUE
STA. 15+50 - STA. 20+50
Know what's below. Call before you dig.

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

2020-004
STREET RESURFACING/RESTORATION PROJECT - 2020
GEDDES AVENUE STA. 10+00 - STA. 19+68 PAVT MRKG
STOP BAR AND CROSSWALK DETAIL
BIKE SYMBOL DETAIL
DOTTED LINE DETAIL
PARKING DETAIL
<table>
<thead>
<tr>
<th>Item Code</th>
<th>Description</th>
<th>Unit</th>
<th>Quantity</th>
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</thead>
<tbody>
<tr>
<td>200001</td>
<td>COTTON, Rain, 4 in. x 4 in., Black</td>
<td>EA</td>
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<tr>
<td>200002</td>
<td>GRT-40, Rain, 4 in. x 4 in., Green</td>
<td>EA</td>
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<tr>
<td>200003</td>
<td>GRT-45, Rain, 4 in. x 4 in., Grey</td>
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<tr>
<td>200004</td>
<td>GRT-50, Rain, 4 in. x 4 in., Yellow</td>
<td>EA</td>
<td>1,000</td>
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**ITB No. BID NO FILE No. 2020-004**

**PROJECT LOCATION: GRANGER AVENUE**

**CITY OF ANN ARBOR**

**ENGINEERING**

**PUBLIC SERVICES - CITY OF ANN ARBOR**

**301 EAST HURON STREET**

**P.O. BOX 8647**

**ANN ARBOR, MI 48107-8647**

**734-794-6410**

**www.a2gov.org**

**QUANTITIES**

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<td>EA</td>
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<td>EA</td>
<td>1,000</td>
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**NOTES**

**Call before you dig.**

**ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR**

**CITY OF ANN ARBOR**

**PUBLIC SERVICES**

**301 EAST HURON STREET**

**P.O. BOX 8647**

**ANN ARBOR, MI 48107-8647**

**734-794-6410**

**www.a2gov.org**

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<td>GRT-50, Rain, 4 in. x 4 in., Yellow</td>
<td>EA</td>
<td>1,000</td>
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</tbody>
</table>
Street Resurfacing/Restoration Project - 2020

GRANGER AVE

DETOUR PLAN

Sign
Traffic Control Sign

Number
Tag

ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

2020-004-24
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ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
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ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

STREET RESURFACING/RESTORATION PROJECT - 2020
GRANGER AVE
STA. 30+00 - STA. 31+91

LIMITS
Know what's below.
Call before you dig.

ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

2020-004
STREET RESURFACING/RESTORATION PROJECT - 2020
GRANGER AVE
STA. 10+00 - STA. 20+00 PAVT MRKG
STOP BAR AND CROSSWALK DETAIL
BIKE SYMBOL
DOTTED LINE DETAIL
PARKING DETAIL
Know what's below. Call before you dig.
# CITY OF ANN ARBOR
## ENGINEERING

### PROJECT LOCATION: E MADISON STREET

**ITB No. BID NO FILE No. 2020-004**

## CONSTRUCTION METHOD AND SEQUENCING

1. The work to be completed on this street shall include, but not be limited to, the following items: The City of construction shall be as shown unless otherwise authorized by the Engineer.
2. All materials and workmanship shall be in accordance with the plans and specifications, and as directed by the Engineer.
3. Perform all work in a workable manner and in accordance with the plans and specifications, and as directed by the Engineer.
4. Remove and/or re-compact the existing road base as required, and as directed by the Engineer.
5. Place a minimum of the original work as specified or directed, as the grading course, in the existing road base.
6. Complete all pavement markings in accordance with the plans, and as directed by the Engineer.
7. Remove all temporary control devices, fence, and/or the place.

### QUANTITIES

<table>
<thead>
<tr>
<th>Work Code</th>
<th>Work Description</th>
<th>Unit</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>330000</td>
<td>Trench, Slope, and Cut and Cover, Any Type, Track</td>
<td>Ft</td>
<td>79.950</td>
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<tr>
<td>330071</td>
<td>Sidewalk, Sidewalk Ramp and Delineator, Any Thickness</td>
<td>Yd</td>
<td>60.950</td>
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<tr>
<td>330079</td>
<td>Curb and/or Street</td>
<td>Yd</td>
<td>28.120</td>
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<tr>
<td>330110</td>
<td>Catch Basin, Trap, Cap, etc.</td>
<td>Yd</td>
<td>1.050</td>
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<tr>
<td>330171</td>
<td>Storm Sewer, Cast Iron, Any</td>
<td>Yd</td>
<td>9.950</td>
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<tr>
<td>330202</td>
<td>Curb &amp; Gutter</td>
<td>Sq Ft</td>
<td>30.950</td>
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<tr>
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<td>Storm Sewer, Cast Iron, Any</td>
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</tbody>
</table>

### NOTES

Know what's below. Call before you dig.
PROJECT LOCATION: W WASHINGTON STREET

ITB No. BID NO. FILE No. 2020-004

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 unless otherwise authorized by the Engineer:
   a. Controlled traffic
   b. Watermain
   c. Storm drain
   d. Paving

2. Paint 3 inches of Granular Matter on Existing Roadway. This may include Granular Matter in the roadway lane(s) by the following process: Roll with Full Tread

3. Paint 2 inches of Granular Matter as specified or directed, as the paving course, in one lift

4. Paint 1 inch of Granular Matter as specified or directed, as the paving course, in one lift

5. Complete all pavement markings in accordance with the plans, and as directed by the Engineer

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

7. Remove all temporary control devices, fence, and debris

8. All temporary control devices, fence, and debris

NOTES

Know what’s below. Call before you dig.
Traffic Control Sign

Plan:

Call before you dig.

City of Ann Arbor
Public Services
301 East Huron Street
P.O. Box 8647
Ann Arbor, MI 48107-8647
734-794-6410
www.a2gov.org

Street Resurfacing/Restoration Project - 2020

Traffic Control Sign

Krause St

Murray Ct

Mulholland Ave

Third St

Second St

Liberty St

Liberty St

William St

Washington St

Huron St

Krause St

Murray Ct

Mulholland Ave

Third St

Second St

Liberty St

Liberty St

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ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
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ANN ARBOR, MI 48107-8647
734-794-6410
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W WASHINGTON ST
S FIRST ST
THIRD ST

PLAN:
1" = 30'

Know what's below. Call before you dig.

STREET RESURFACING/RESTORATION PROJECT - 2020
W WASHINGTON STREET
STA. 9+00 - STA. 17+07

LIMITS

2020-004

OF 98

37
# CITY OF ANN ARBOR
## ENGINEERING

**PROJECT LOCATION:** SOUTH MAIN STREET
**HMA PATH**

**ITB No.** BID NO  **FILE No.** 2020-004

## 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 unless otherwise authorized or directed by the Engineer.
2. Perform street maintenance and soil erosion controls in accordance with the plans, and as directed by the Engineer.
3. Perform any proposed system tests, and understand as shown on the plans, and as directed by the Engineer.
4. Lower all structure covers, including valve and manhole boxes.
5. Perform all concrete work, including pavement, in accordance with the plans and as directed by the Engineer.
6. Perform all asphalt paving, including pavement, in accordance with the plans and as directed by the Engineer.
7. Place 3 inches of granular wearing course, minimize the amount to be cut back by the Engineer, which will then be placed.
8. Perform underground and/or underground work as directed by the Engineer.
9. Grade, compact, and recompact the existing road base as required, and as directed by the Engineer.
10. Place 3 inches of the granular base as specified or directed, as the wearing course, in one lift.
11. Adjust all structure covers, manhole, and valve boxes to their finished elevations.
12. Place 1 inch of the granular base as specified or directed, as the wearing course, in one lift.
13. Complete all pavement markings in accordance with the plans, and as directed by the Engineer.
14. Complete all miscellaneous construction including all clean-up and final restoration.
15. Perform all traffic control, safety, and noise reduction.

## QUANTITIES

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<td>I102716</td>
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## NOTES

- Know what's below. Call before you dig.
Know what's below.
Call before you dig.

ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR
CITY OF ANN ARBOR
PUBLIC SERVICES
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ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

STREET RESURFACING/RESTORATION PROJECT - 2020
SOUTH MAIN STREET HMA PATH
STA. 10+00 - STA. 17+50
Know what's below.
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www.a2gov.org

STREET RESURFACING/RESTORATION PROJECT - 2020
SOUTH MAIN STREET HMA PATH
STA. 27+50 - STA. 37+50
Know what's below. Call before you dig.
Know what's below. Call before you dig.
Know what's below. Call before you dig.
Know what's below. Call before you dig.
Know what's below. Call before you dig.
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 given unless otherwise authorized by the Engineer.

2. An adequate traffic management plan shall be developed in coordination with the plans and shall be approved by the Engineer.

3. The contractor is responsible for ensuring that all work is performed in compliance with the plans and specifications.

4. The Engineer shall be notified in advance of any work that will require traffic control devices.

5. The Contractor shall ensure that all work is performed in accordance with the plans and specifications.

6. The Contractor shall ensure that all work is performed in accordance with the plans and specifications.

NOTES

1. Know what's below.
2. Call before you dig.

ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR

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PUBLIC SERVICES
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734-794-6410
www.a2gov.org

AGINCOURT STREET RESURFACING/RESTORATION PROJECT - 2020
AGINCOURT BRAMPTON CT & COVINGTON DR

GROUP 1 SUBSET COVER SHEET AGINCOURT
## PROJECT LOCATION: BRAMPTON CT

**ITB No. BID NO NO FILE No. 2020-004**

### 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 unless otherwise authorized by the Engineer.

2. Equipment Traffic Maintenance, and Tool, Erection Controls in accordance with the Plans, and as directed by the Engineer.

3. Install any proposed street items, and landscaping as shown on the plans, and as directed by the Engineer.

4. Lower all structure covers, and valves and monotube boxes.

5. Perform all concrete work, requiring designation in accordance with the plans, and as directed by the Engineer.

6. Will be 3 inches of granular material before existing pavement. The 3 inches shall be deemed completed by the Engineer which will determine all tolerances.

7. Perform backfilling and/or backfill required as directed by the Engineer.

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

9. Place 2 inches of the granular base as specified in the engineering plans, in one lift.

10. Adjust all structure covers, monotube boxes or valves to their finished elevations.

11. Place 1 inch of the granular base as specified in the engineering plans, in one lift.

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 temporary control devices, fence, and all other Debris.

### QUANTITIES

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### QUANTITIES

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<td>1.0</td>
<td>303-1 Road Closed Local Traffic</td>
<td>Pk.</td>
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### NOTES

- Know what's below.
- Call before you dig.
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 unless otherwise authorized by the Engineer.
2. Improvements require maintenance, and the use thereof continues in accordance with the plans and as directed by the Engineer.
3. Include any proposed system changes, and understand as shown on the plans and as directed by the Engineer.
4. Lower all structure covers, including valve and monument boulders.
5. Properly all concrete work, requiring designation in accordance with the plans and as directed by the Engineer.
6. Mail 2 weeks of warning materials as existing conditions. Any damage to the existing must be compensated by the contractor which will remain full force.
7. Perform underground and or other repairs as directed by the Engineer.
8. Drain, grade, and recompact the existing road base as required, and as directed by the Engineer.
9. Place 2 inches of the finishing layers as specified on the plans, and as shown in the Engineer.
10. Adjust all structure covers, monuments, and all other items as shown on the plans and as directed by the Engineer.
11. Paint 1 inch of the finishing layers as specified on the plans, as shown in the Engineer.
12. Complete all payment 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, fence, and other materials.

NOTES
Know what's below. Call before you dig.
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 UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.
2. ENSURE TRAFFIC MAINTENANCE AT THE BORDERS, AND SUBJECT TO MAINTENANCE ACCORDING TO THE DRAWINGS, AND AS DIRECTED BY THE ENGINEER.
3. INSTALL AND OR SUPPLY SEWER, GAS, AND WATERLINE AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.
4. LOWER ALL STRUCTURE COVERS, MONITOR AND MONUMENT BOUNDARIES.
5. PERMIT ALL CONCRETE WORK, INCLUDING REBAR IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
6. WALL 3 FEET OF BURLAP MATERIAL FROM EXISTING RAILROADS. THIS MAY INCLUDE GRAVELLY TERRAIN,l3 WHERE IT IS CONSIDERED TO THE ENGINEER, WHICH WILL BE PAID.
7. PERMIT UNBUNDLED OR BUNDLED MATERIALS AS DIRECTED BY THE ENGINEER.
8. ENCOURAGE TRAFFIC AND RE-CONFIRM THE EXISTING ROADWAY AS REQUIRED, AND AS DIRECTED BY THE ENGINEER.
9. PLACE A BARREN OF THE BURLAP MATERIAL AS SPECIFIED OR DIRECTED BY THE ENGINEER, AS THE CONTRACTOR.
10. ADJUST ALL STRUCTURE COVERS, MONITOR BOUNDARIES, AND BOUNDARIES AS DIRECTED BY THE CONTRACTOR.
11. PLACE A BARREN OF THE BURLAP MATERIAL AS SPECIFIED OR DIRECTED, AS THE CONTRACTOR.
12. COMPLETE ALL PAVEMENT WRAPPING IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE CONTRACTOR.
13. COMPLETE ALL MOLDING AND MOLDING CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINAL RESTORATION.
14. REMOVE ALL TRASH, ORGANIZED TRASH, ORGANIZED BOUNDARIES, AS DIRECTED.

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<th>QUANTITIES</th>
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HINTS:
- The specifications of this document are subject to change, and the contractor shall not be held liable. The information provided is subject to change, and any discrepancies found in the field should be brought to the attention of the engineer immediately. The information found in this document shall not be used for construction, and any discrepancies found in the field should be brought to the attention of the engineer immediately. The information found in this document shall not be used for construction, and any discrepancies found in the field should be brought to the attention of the engineer immediately.
# CITY OF ANN ARBOR

## ENGINEERING

### PROJECT LOCATION: YEOMAN CT

**ITB No. BID NO** FILE No. 2020-004

---

## CONSTRUCTION METHOD AND SEQUENCING

- **Closure:** Prepare all structural roads, sidewalks, etc. in accordance with the plans and as directed by the Engineer.
- **Traffic:** Prepare all structural roads, sidewalks, etc. in accordance with the plans and as directed by the Engineer.
- **Safety:** Prepare all structural roads, sidewalks, etc. in accordance with the plans and as directed by the Engineer.

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## Quantities Table

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## Notes

- **Know what's below. Call before you dig.**

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### Engineering - Public Services - City of Ann Arbor

CITY OF ANN ARBOR

PUBLIC SERVICES

301 EAST HURON STREET

P.O. BOX 8647

ANN ARBOR, MI 48107-8647

734-794-6410

www.a2gov.org
CONSTRUCTION METHOD AND SEQUENCING

1. The work to be completed on this street shall include, but not be limited to the following: (1) The order of construction shall be as shown unless otherwise authorized by the Engineer.

2. Equipment, traffic, maintenance, and all other construction shall be performed in accordance with the plans, and as directed by the Engineer.

3. Schedule any proposed system devices, and underground as shown on the plans, and as directed by the Engineer.

4. Lower all structure covers, including valve and manhole boxes.

5. Perform all necessary, required operations in accordance with the plans, and as directed by the Engineer.

6. Wide, 2 inches of granular material from existing roadway. This may reduce granular material level to be disturbed by the structure stock wall and fill. This area is required to be filled and compacted to original elevation.

7. Perform operations and/or take measures as required by the Engineer.

8. Grade, shape, and recompact the existing roadway as required, and as directed by the Engineer.

9. Place 2 inches of the granular mix as specified or directed, as the grading course.

10. Adjust all structure covers, manhole boxes and valve boxes to their finished elevations.

11. Place 1 inch of the granular mix as specified or directed, as the base course.

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

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

14. Remove all traffic control devices, fence, signs and the like.

NOTES

Know what's below. Call before you dig.
CITY OF ANN ARBOR

ENGINEERING

PROJECT LOCATION: WINSTED CT

ITB No. 2020-004

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 UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.

2. ENHANCEMENT MAINTENANCE, AND ALL EXISTING CONDITIONS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE CONTRACTOR.

3. INSTALL ALL REQUIRED SYSTEMS, AND UNDERTAKE AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.

4. LOWER ALL STRUCTURE HOSES, INCLUDING VALVE AND MONUMENT HOSES.

5. PERFORM ALL CONCRETE WORK, INCLUDING REINFORCEMENT IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.

6. INSTALL 4 HOSES OF STANDARD WASTE PIPE枯 FROM EXISTING FURNACE, TO BE CONCEIVED IN THE STRUCTURE HOSES WITH ALL HOSES.

7. PREPARE UNEQUALS AND/OR PER HOSES AS DIRECTED BY THE ENGINEER.

8. CREATE, SHAPE, AND COMPLETE THE EXISTING ROAD BASE AS REQUIRED, AND AS DIRECTED BY THE ENGINEER.

9. PLACE 2 INCHES OF THE GRANULAR BASE AS SPECIFIED OR DIRECTED, AS THE LAYING COURSE IN ONE LAYER.

10. ADJUST ALL STRUCTURE HOSES, MONUMENT HOSES, AND HOSES TO THEIR FINISHED ELEVATIONS.

11. PLACE 2 INCHES OF THE GRANULAR BASE AS SPECIFIED OR DIRECTED, AS THE MOUNDING COURSE IN ONE LAYER.

12. COMPLETE ALL PAINTING REQUIREMENTS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE CONTRACTOR.

13. COMPLETE ALL VARIOUS STRUCTURAL CONSTRUCTION INCLUDING ALL CLEAN-UP AND FINISH REFINISHING.

14. REMOVE ALL TRASH, CONTROL DEBRIS, REMOVE AND DISPOSE OF AS DIRECTED.

NOTES

Know what's below. Call before you dig.

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CONSTRUCTION PUBLIC SERVICES - CITY OF ANN ARBOR

CITY OF ANN ARBOR

ENGINEERING

PUBLIC SERVICES

301 EAST HURON STREET

P.O. BOX 8647

ANN ARBOR, MI 48107-8647

734-794-6410

www.a2gov.org

56 OF 98
# CITY OF ANN ARBOR
## ENGINEERING
### PROJECT LOCATION: ARDMOOR AVE

**ITB No.** | **BID NO** | **FILE No.** | **2020-004**
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## 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 unless otherwise authorized or directed by the Engineer.
2. Improvements require maintenance and tool, equipment-oversight in accordance with the plans, and as directed by the Engineer.
3. Provide any proposed system items, and understand as shown on the plans, and as directed by the Engineer.
4. Lower all structure covers, maintain value and monumented items.
5. Perform all concrete work, requiring designation in accordance with the plans, and as directed by the Engineer.
6. Wall 2 sides of drainpipes. A fill before existing foundation. This may include granular material in front of the walling. All work to be completed by the Contractor shall be in accordance with the plans, and as directed by the Engineer. Note: Items requiring and/or care required as shown in the changes.
7. Grade, stamp and re-compound the existing roadbase as required, and as directed by the Engineer.
8. Place a cover of the granular fill as specified on the project drawings in one lift.
9. Adjust all structure covers, maintain value, and value does to their finished elevation.
10. Place a cover of the granular fill as specified on the project drawings in one lift.
11. Complete all pavement markings in accordance with the plans, and as directed by the Engineer.
12. Complete all miscellaneous construction including clean-up and final restoration.
13. Remove all traffic control devices, remove fences, and fill.

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**NOTES**

Know what's below. Call before you dig.
**PROJECT LOCATION: AVONDALE AVE**

ITB No. BID NO FILE No. 2020-004

### CONSTRUCTION METHOD AND SEQUENCING

1. The work to be completed on this street will include, but not be limited to the following:
   - Hotel variances
   - City of Ann Arbor
   - Engineering

2. Preparation of Service Certificates and Environmental Consents in accordance with the plans and as directed by the Engineer.

3. Installation and repair of storm sewers, sidewalks, and curbs as shown on the plans and as directed by the Engineer.

4. Lower all structure covers, manholes and valve boxes.

5. Perform all concrete work, including and completing all work to be done in the concrete.

6. Pave 3 inches of granular material over existing road surface, this may include granular layer over existing pavement, to be specified by the Engineer, which will be 3 inches thick.

7. Perform underdrain and/or valve boxes as specified by the Engineer.

8. Gravel and/or asphalt to the existing road base as required, and as directed by the Engineer.

9. Drain 3 inches of the granular void as specified or directed, as the concrete course, in one lift.

10. Adjust all structure covers, manholes and valve boxes to their finished elevations.

11. Place 1 inch of the granular void as specified or directed, as the wearing course in one lift.

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 trash, control devices and debris from the street.

### NOTES

- Know what's below. Call before you dig.
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 unless otherwise authorized or directed by the Engineer.

2. Implement traffic management and shoulder control in accordance with the plans, and as directed by the Engineer.

3. Provide any proposed storm sewer, underground as shown on the plans, and as directed by the Engineer.

4. Lower all structure covers, valves and manhole boxes.

5. Prior to all construction work, requiring excavation in accordance with the plans, and as directed by the Engineer.

6. Prior to all construction work, requiring excavation in accordance with the plans, and as directed by the Engineer.

7. Prior to all construction work, requiring excavation in accordance with the plans, and as directed by the Engineer.

8. Pay all bills of the graver work as directed by the Engineer.

9. Prior to all construction work, requiring excavation in accordance with the plans, and as directed by the Engineer.

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

11. Remove all traffic control devices, fence and debris.

NOTES

Call before you dig.
**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 unless otherwise authorized by the engineer.

2. Project traffic maintenance and soil erosion controls shall be implemented in accordance with the plans, and as directed by the engineer.

3. Provide any proposed submittals and equipment as shown on the plans and as directed by the engineer.

4. Lower all structure covers, including valve and manhole covers.

5. Perform all concrete work, requiring designation in accordance with the plans and as directed by the engineer.

6. Mall 2 inches of hydraulically charged material from existing roadway. This material shall be hydraulically charged material. Material to be charged in the existing street shall fill all voids.

7. Perform backfills immediately as required, and as directed by the engineer.

8. Provide 2 inches of the hydraulically charged material as specified or directed by the engineer or as shown on the plan.

9. Adjust all structure covers, manhole bottom, and valve covers to their finished elevations. Replace manhole and valve covers as specified or directed by the engineer.

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

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

12. Provide all street control devices, fencing, and signs.

**QUANTITIES**

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</table>

**NOTES**

Know what's below. Call before you dig.
# CITY OF ANN ARBOR

## ENGINEERING

### PROJECT LOCATION: WESTFIELD AVE

**ITB No. BID NO**  **FILE No. 2020-004**

### 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 unless otherwise authorized or directed by the Engineer.

2. Prior to starting work, the Contractor shall inform the Director of Public Services of the proposed work and obtain any necessary permits. The work shall be started promptly after the necessary permits have been obtained.

3. The Contractor shall furnish and maintain such tools and equipment as necessary for the proper execution of the work. The Contractor shall not be relieved of the responsibility for the proper execution of the work by reason of any defective equipment, tools, or materials furnished.

4. All work shall be done in such a manner as to prevent damage to existing structures or other property.

5. The Contractor shall provide and maintain adequate lighting and illumination at all times when work is being performed.

6. The Contractor shall provide and maintain adequate and proper barricades, signs, and other safety devices as required by the Director of Public Services.

7. The Contractor shall provide and maintain adequate protection for all existing structures, utilities, and other property.

### QUANTITIES

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
<th>Unit</th>
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</table>

### NOTES

- Know what’s below. Call before you dig.

### APPENDIX

**ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR**

**PUBLIC SERVICES**

**301 EAST HURON STREET**

**P.O. BOX 8647**

**ANN ARBOR, MI 48107-8647**

**734-794-6410**

**www.a2gov.org**
**PROJECT LOCATION:** BARNARD RD

**ITB No. BID NO FILE No. 2020-004**

**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 unless otherwise authorized by the engineer.
2. Improvements include installation of concrete curb and gutter. Installation of concrete curb and gutter shall be in accordance with the plans and as directed by the engineer.
3. Improvements shall be performed in accordance with the plans and as directed by the engineer.
4. Lower structure covers, including valve and main covers.
5. Prior to all concrete work, requiring permits in accordance with the plans, and as directed by the engineer.
6. All 2 inches of granular material from existing roadway. Any granular material, except for the base course, shall be removed from the existing roadway. A final compacted course shall be completed.
7. Prior to underground and/ or over ground utilities as directed by the engineer.
8. Drainage and re-haul the existing roadway made as required, and as directed by the engineer.
9. Provide 3 inches of the granular mix as specified or directed, as the bedding course, in one lift.
10. Adjust all structure covers, monument eggs, and valve boxes to their finished elevations.
11. Place 1 inch of the granular mix as specified or directed, as the bedding course, in one lift.
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, remove fence, and clear site.

### QUANTITIES

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<tr>
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<th>Unit</th>
<th>Quantity</th>
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**NOTES**

Know what's below. Call before you dig.
CONSTRUCTION METHOD AND SEQUENCING

1. The work to be completed on any street shall include, but not be limited to the following items. The order of construction shall be as given unless otherwise authorized by the engineer.

2. Permanent traffic control will be performed in accordance with the plans and as directed by the engineer.

3. Install any proposed street signs, and incur costs as shown on the plans, and as directed by the engineer.

4. Lower all structure covers, including valve and manhole boxes.

5. Provide all necessary work requiring pavement in accordance with the plans, and as directed by the engineer.

6. Have 3 boards of temporary markings from existing roadways, the will include channelizing, center line markings, and curb marking. These boards will remain in place forever.

7. Provide underground and/or curb repair as directed by the engineer.

8. Delineate, paint, and re-compact the crossing road base as required, and as directed by the engineer.

9. Place 2 boards of the temporary markings as specified or directed, as the closing course. In one lift.

10. Adjust all structure covers, manholes, and valve boxes to their finished elevations.

11. Place 1 board of the temporary markings as specified or directed, as the paving course, in one lift.

12. Complete all miscellaneous construction in accordance with the plans, and as directed by the engineer.

13. Complete all surface concrete work, repair and replacement.

14. Remove all trash, concrete debris, debris, and debris from the street.

NOTES

Know what’s below. Call before you dig.
CITY OF ANN ARBOR
ENGINEERING

PROJECT LOCATION: DUNMORE RD

ITB No. BID NO NO FILE No. 2020-004

CONSTRUCTION METHOD AND SEQUENCING

1. The work to be completed on this street shall include, but not be limited to, the following: (a) The order of construction shall be as shown unless otherwise authorized by the Engineer.

2. Inspect the traffic maintenance, and the design consistent with the plans, and as directed by the Engineer.

3. Inspect any preformed special items, and perform as shown on the plans, and as directed by the Engineer.

4. Lower all structure covers, including valve and manhole boxes.

5. Perform all concrete work, requiring excavation in accordance with the plans and as directed by the Engineer.

6. All work must be performed in full accordance with the plans and specifications. All work must be performed in accordance with the plans and specifications. All work must be performed in accordance with the plans and specifications.

7. Perform all structural work, including excavation as shown on the drawing, and as directed by the Engineer.

8. Perform all structural work, including excavation as shown on the drawing, and as directed by the Engineer.

9. Complete all pavement markings in accordance with the plans, and as directed by the Engineer.

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

11. Remove all traffic control devices, fencing, and barricades.

NOTES

Know what's below. Call before you dig.

ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

65 OF 98

CONSTRUCTION METHOD AND SEQUENCING

1. The work to be completed on this street shall include, but not be limited to, the following: (a) The order of construction shall be as shown unless otherwise authorized by the Engineer.

2. Inspect the traffic maintenance, and the design consistent with the plans, and as directed by the Engineer.

3. Inspect any preformed special items, and perform as shown on the plans, and as directed by the Engineer.

4. Lower all structure covers, including valve and manhole boxes.

5. Perform all concrete work, requiring excavation in accordance with the plans and as directed by the Engineer.

6. All work must be performed in full accordance with the plans and specifications. All work must be performed in accordance with the plans and specifications. All work must be performed in accordance with the plans and specifications.

7. Perform all structural work, including excavation as shown on the drawing, and as directed by the Engineer.

8. Perform all structural work, including excavation as shown on the drawing, and as directed by the Engineer.

9. Complete all pavement markings in accordance with the plans, and as directed by the Engineer.

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

11. Remove all traffic control devices, fencing, and barricades.

NOTES

Know what's below. Call before you dig.
CONSTRUCTION METHOD AND SEQUENCING

1. THE WORK TO BE COMPLETED ON THIS STREET WILL REQUIRE A CLOSURE OF STREET FROM 9:00 AM UNTIL 4:00 PM MONDAY THROUGH FRIDAY. THIS CLOSURE IS NECESSARY TO COMPLETE THE WORK IN A SAFE AND Timely MANNER.

2. THE WORK TO BE COMPLETED ON THIS STREET WILL REQUIRE A CLOSURE OF STREET FROM 9:00 AM UNTIL 4:00 PM MONDAY THROUGH FRIDAY. THIS CLOSURE IS NECESSARY TO COMPLETE THE WORK IN A SAFE AND Timely MANNER.

3. THE WORK TO BE COMPLETED ON THIS STREET WILL REQUIRE A CLOSURE OF STREET FROM 9:00 AM UNTIL 4:00 PM MONDAY THROUGH FRIDAY. THIS CLOSURE IS NECESSARY TO COMPLETE THE WORK IN A SAFE AND Timely MANNER.

4. THE WORK TO BE COMPLETED ON THIS STREET WILL REQUIRE A CLOSURE OF STREET FROM 9:00 AM UNTIL 4:00 PM MONDAY THROUGH FRIDAY. THIS CLOSURE IS NECESSARY TO COMPLETE THE WORK IN A SAFE AND Timely MANNER.

5. THE WORK TO BE COMPLETED ON THIS STREET WILL REQUIRE A CLOSURE OF STREET FROM 9:00 AM UNTIL 4:00 PM MONDAY THROUGH FRIDAY. THIS CLOSURE IS NECESSARY TO COMPLETE THE WORK IN A SAFE AND Timely MANNER.

6. THE WORK TO BE COMPLETED ON THIS STREET WILL REQUIRE A CLOSURE OF STREET FROM 9:00 AM UNTIL 4:00 PM MONDAY THROUGH FRIDAY. THIS CLOSURE IS NECESSARY TO COMPLETE THE WORK IN A SAFE AND Timely MANNER.

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11. THE WORK TO BE COMPLETED ON THIS STREET WILL REQUIRE A CLOSURE OF STREET FROM 9:00 AM UNTIL 4:00 PM MONDAY THROUGH FRIDAY. THIS CLOSURE IS NECESSARY TO COMPLETE THE WORK IN A SAFE AND Timely MANNER.

12. THE WORK TO BE COMPLETED ON THIS STREET WILL REQUIRE A CLOSURE OF STREET FROM 9:00 AM UNTIL 4:00 PM MONDAY THROUGH FRIDAY. THIS CLOSURE IS NECESSARY TO COMPLETE THE WORK IN A SAFE AND Timely MANNER.

13. THE WORK TO BE COMPLETED ON THIS STREET WILL REQUIRE A CLOSURE OF STREET FROM 9:00 AM UNTIL 4:00 PM MONDAY THROUGH FRIDAY. THIS CLOSURE IS NECESSARY TO COMPLETE THE WORK IN A SAFE AND Timely MANNER.

14. THE WORK TO BE COMPLETED ON THIS STREET WILL REQUIRE A CLOSURE OF STREET FROM 9:00 AM UNTIL 4:00 PM MONDAY THROUGH FRIDAY. THIS CLOSURE IS NECESSARY TO COMPLETE THE WORK IN A SAFE AND Timely MANNER.
PROJECT LOCATION: WINSTED BLVD

ITB No. BID NO FILE No. 2020-004

CONSTRUCTION METHOD AND SEQUENCING

1. The work to be completed on this street shall include, but not be limited to the following: new, the order of construction shall be as shown unless otherwise authorized by the engineer.

2. Inspection and maintenance, and the survey controls in accordance with the plans.

3. Rollover, and approvals system forms, and universities as shown on the plans, and as directed by the engineer.

4. Lower all structure controls, including value and monument devices.

5. Performing all concrete work, requiring inspection in accordance with the plans, and as directed by the engineer.

6. Wall 3 inches of granular material from existing roadway. This may include granular, and to be approved by the engineer, which shall then pass a full truck.

7. Perform underground and/or raise required as directed by the engineer.

8. Grade, shape, and recompact the existing roadway as required, and as directed by the engineer.

9. Place 3 inches of the granular mic as specified on directed, as the edge course. In one lift.

10. Adjust all structure controls, monuments, and other values to their finished elevations.

11. Place 1 inch of the granular mic as specified on directed, as the级 marking course. In one lift.

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, fencing, and the like.

NOTES

Know what’s below. Call before you dig.

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

QUANTITIES

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QUANTITIES

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</tbody>
</table>
## CITY OF ANN ARBOR

### ENGINEERING

**PROJECT LOCATION:** BRAESIDE PL

**ITB No. BID NO NO FILE No. 2020-004**

### 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 given unless otherwise directed by the authorities.
2. Perform traffic maintenance and soil erosion controls in accordance with the plans. The work shall be performed in accordance with the City's policies and procedures.
3. Provide all required engineering and construction plans and specifications as shown on the plans. The work shall be performed in accordance with the City's policies and procedures.
4. Lower all structure covers, including valve and manhole boxes. The work shall be performed in accordance with the City's policies and procedures.
5. Provide all concrete sore, requiring replacement in accordance with the plans. The work shall be performed in accordance with the City's policies and procedures.
6. Hilton, 3 boxes of diameters of existing materials from existing roadways. The work shall be performed in accordance with the City's policies and procedures.
7. Provide underground and/or in-line services as shown in the drawings. The work shall be performed in accordance with the City's policies and procedures.
8. Provide and install the cutting road base as shown in the drawings. The work shall be performed in accordance with the City's policies and procedures.
9. Provide all work of the drawings and/or as specified or directed. The work shall be performed in accordance with the City's policies and procedures.
10. Complete all pavement markings in accordance with the plans, and as directed by the City. The work shall be performed in accordance with the City's policies and procedures.
11. Complete all miscellaneous construction including all clean-up and final restoration. The work shall be performed in accordance with the City's policies and procedures.

### QUANTITIES

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<thead>
<tr>
<th>Item Code</th>
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<th>Quantity</th>
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### NOTES

- **Call before you dig.**
- **Know what's below.**
- **Statement of Authorization, Terms and in Conformance with Rules of the City.**
- **The work to be performed shall include, but not be limited to the following items. The order of construction shall be as given unless otherwise directed by the authorities.**
- **Perform work in accordance with the City's policies and procedures.**
- **Provide all required engineering and construction plans and specifications as shown on the plans.**
- **Lower all structure covers, including valve and manhole boxes.**
- **Provide all concrete sore, requiring replacement in accordance with the plans.**
- **Hilton, 3 boxes of diameters of existing materials from existing roadways.**
- **Provide underground and/or in-line services as shown in the drawings.**
- **Provide and install the cutting road base as shown in the drawings.**
- **Provide all work of the drawings and/or as specified or directed.**
- **Complete all pavement markings in accordance with the plans, and as directed by the City.**
- **Complete all miscellaneous construction including all clean-up and final restoration.**

### ENGINEERING - PUBLIC SERVICES - CITY OF ANN ARBOR

**301 EAST HURON STREET**

**P.O. BOX 8647**

**ANN ARBOR, MI 48107-8647**

**734-794-6410**

**www.a2gov.org**
### 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 unless otherwise authorized or directed by the owner.
2. Improvements require maintenance, and all improvement contracts are in accordance with the plans, and as directed by the owner.
3. Ensure all proposed system items, and underground as shown on the plans, and as directed by the owner.
4. Lower all structure covers, including valve and monument boxes.
5. Perform all concrete work, requiring inspection in accordance with the plans and as directed by the owner.
6. Will be handled as required by the owner, and as directed by the owner.
7. Multiple stages and re-compact the existing road base as required, and as directed by the owner.
8. Have 3 inches of the road surface as specified on drawings, as the grading course, in one lift.
9. Adjust all structure covers, monument, roadside, and eyes to their finished elevations.
10. Paint 1 inch of the road surface as specified on drawings, as the paving course, in one lift.
11. Complete all payment savings in accordance with the plans, and as directed by the owner.
12. Complete all miscellaneous construction including all clean-up and final restoration.
13. Remove all temporary control devices, fencing, and debris.

### QUANTITIES

<table>
<thead>
<tr>
<th>Item Code</th>
<th>Item Description</th>
<th>Unit</th>
<th>Quantity</th>
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</thead>
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</tbody>
</table>

**NOTES**

- Know what's below.
- Call before you dig.
# PROJECT LOCATION: WORTHINGTON PL

**ITB No.** 2020-004

### 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 unless otherwise authorized by the Engineer.
2. Hydrant, valve, manhole, and box replacement in accordance with the plans, and as directed by the Engineer.
3. Install any proposed symptom trees, and underground as shown on the plans, and as directed by the Engineer.
4. Lower all structure covers, including valve and manifold boxes.
5. Preserve all concrete work, requiring re-paving in accordance with the plans, and as directed by the Engineer.
6. Will be three hours of continuous working from existing roadway. This may include granular base milling. Customer can be contacted by the Engineer prior to work.
7. Provide underground and/or base repairs as directed by the Engineer.
8. One-way, two-way, and four-way the existing roadway shall be closed, and as directed by the Engineer.
9. Keep 2 inches of the granular base as specified or directed, as the wearing course, in one lift.
10. Adjust all structure covers, manhole boxes, and valve boxes to their finished elevations.
11. Keep 2 inches of the granular base as specified or directed, as the wearing course, in one lift.
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.

### QUANTITIES

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### NOTES

- **Know what's below.** Call before you dig.
- **Recognize all underground systems.** Call before you dig.
PROJECT LOCATION: CAROL DR

ITB No. BID NO  FILE No. 2020-004

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 unless otherwise directed by the Engineer.

2. Remove and replace sidewalk, curb and gutter in accordance with plans, and as directed by the Engineer.

3. Prepare and pour selected concrete, and install sidewalk as shown on the plans, and as directed by the Engineer.

4. Lower all structure covers, sidewalks and manhole boxes.

5. Perform all concrete work, requiring inspection in accordance with the plans, and as directed by the Engineer.

6. Progress 2 inches of granular material from existing roadway. This may include granular material placed material, prior to being compacted in the chicanage, which will fill all cracks.

7. Progress and/or use rebar as directed in the engineering plans.

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

9. Place 3 inches of the granular fill as specified on the engineering plans, in one lift.

10. Adjust all structure covers, manholes and sidewalk and value does to their finished elevations.

11. Place 1 inch of the granular fill as specified on the engineering plans, in one lift.

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

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

14. Remove all traffic control devices, fence, and signs from the road.

NOTES

Know what’s below. Call before you dig.
**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 unless otherwise authorized by the Engineer.
2. Maintain traffic, pedestrian, and soil erosion controls in accordance with plans, and as directed by the Engineer.
3. Install any proposed storm sewer and underground as shown on the plans, and as directed by the Engineer.
4. Lower all structure covers, including valve and manhole boxes.
5. Perform all concrete work, including pedestrian, in accordance with the plans, and as directed by the Engineer.
6. Install 2 inches of asphalt Marshall paving material. This may include granular base overlay material. Cement to be obtained by the Contractor which will have full truck.
7. Perform underslab and/or back fills as directed by the Engineer.
8. Grade, compact, and re-compact the existing road base as required, and as directed by the Engineer.
9. Place 2 inches of the granular mix as specified on directed, as the wearing course, in one lift.
10. Adjust all structure covers, manhole boxes, and valve boxes to their finished elevations.
11. Place 1 inch of the Granular mix as specified on directed, as the wearing course, in one lift.
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 trash, control gravel, remove unseduce the place.

---

**NOTES**

Know what's below. Call before you dig.
CONSTRUCTION METHOD AND SEQUENCING

1. All 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 unless otherwise authorized by the Engineer.

2. Pavement Texture Maintenance, and Soil Erosion Controls in accordance with the plans, and as directed by the Engineer.

3. Fence, any proposed storm sewers, and underground as shown on the plans, and as directed by the Engineer.

4. Lower all structure covers, including valve and manhole boxes.

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

6. Mill 2 inches of asphalt paving from existing roadway, this may include granular from base material, sheet in in accordance with the Engineer, this will have full truck.

7. Perform underground and/or base repair as directed by the Engineer.

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

9. Place 2 inches of the granular mix as specified or directed, as the wearing course, in one lift.

10. Assemble all structure covers, manhole ducts, and valve boxes to their finished elevations.

11. Place 1 inch of the granular mix as specified or directed, as the wearing course, in one lift.

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

13. Complete all miscellaneous construction including all cleanup and final restoration.

14. Remove all traffic control devices, remove and the place.
PROJECT LOCATION: SUE PKWY

ITB No. BID NO FILE No. 2020-004

CONSTRUCTION METHOD AND SEQUENCING

1. The work to be completed on this street shall include, but not be limited to the following: prime, the order of construction shall be as shown unless otherwise authorized or directed by the Engineer.
2. Perform traffic maintenance, and soil erosion control in accordance with the plans, and as directed by the Engineer.
3. Install any proposed striping, and underground as shown on the plans, and as directed by the Engineer.
4. Remove all structure covers, including valve and manhole boxes.
5. Perform all concrete work, requiring inspection in accordance with the plans, and as directed by the Engineer.
6. Seal joints of deteriorated material from existing sidewalk. This may include grouting, chicken wire, or similar material, between the broken edge of the sidewalk and with all tools.
7. Perform underground and/or road repairs as directed by the Engineer.
8. Grade, compact, and re-compact the existing road base as required, and as directed by the Engineer.
9. Place 2 inches of the granular mix as specified or directed, as the elevating course, in one lift.
10. Adjust all structure covers, manhole boxes and floor bases to their finished elevations.
11. Place 1 inch of the granular mix as specified or directed, as the roadway course, in one lift.
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. Perform all utility, control work, remove and re-install all covers.
PROJECT LOCATION: CORONADA ST

ITB No. BID NO FILE No. 2020-004

CONSTRUCTION METHOD AND SEQUENCING

1. All work to be completed on this street shall include but not be limited to the following, and the order of construction shall be as shown unless otherwise authorized by the engineer.
2. Environmental traffic maintenance and soil erosion controls in accordance with the plans and as directed by the engineer.
3. Install any proposed sewer lines and underground as shown on the plans, and as directed by the engineer.
4. Lower all structure covers, including valve and manhole boxes.
5. Perform all concrete work, including cast-in-place, in accordance with the plans, and as directed by the engineer.
6. Install 2 inches of granular material from existing roadway. This may include granular base course material. Shown to be constructed by the contractor, which will compact, adjust, and place a 2-inch layer of aggregate material as required.
7. Compact and re-compact the existing base to achieve a minimum density of 95%.
8. Place 3 inches of the granular material as specified or directed as the gravel course, in one lift.
9. Adjust all structure covers, including valve boxes, to their finished elevations.
10. Place 1 inch of the granular material as specified or directed as the base course, in one lift.
11. Complete all pavement markings in accordance with the plans, and as directed by the engineer.
12. Complete all miscellaneous construction including all clean-up and final restoration.
13. Remove all traffic control devices, barriers, and debris from the work area.

NOTES

All construction shall be in accordance with the plans and specifications of the City of Ann Arbor. The contractor shall be responsible for the removal of all debris and materials and any work required to return the area to its original condition. The contractor shall be responsible for the removal of any temporary structures or devices and any other work required to complete the construction. The contractor shall be responsible for the removal of any temporary structures or devices and any other work required to complete the construction. The contractor shall be responsible for the removal of any temporary structures or devices and any other work required to complete the construction. The contractor shall be responsible for the removal of any temporary structures or devices and any other work required to complete the construction. The contractor shall be responsible for the removal of any temporary structures or devices and any other work required to complete the construction.
## CITY OF ANN ARBOR
### ENGINEERING

**PROJECT LOCATION:** DICKEN DR

**ITB No.** BID NO FILE No. 2020-004

### CONSTRUCTION METHOD AND SEQUENCING

1. The work to be completed on this street shall be scheduled, but not be limited to, the following months. The work of construction shall be as soon as allowed by the weather.
2. Expediting traffic maintenance and road closure provisions in accordance with the plans and as directed by the Engineer.
3. Provide any proposed system testing and underground as shown on the plans and as directed by the Engineer.
4. Lower all structure covers, including valve and manhole bases.
5. Perform all concrete work, requiring supervision in accordance with the plans and as directed by the Engineer.
6. All 3 inches of granular material from existing roadway. The area may require granular fill for road widening. Overtake by the Engineer if applicable shall have full truck.
7. Perform underground and/or pipe repair as directed by the Engineer.
8. Check, shape, and re-compact the existing road base as required, and as directed by the Engineer.
9. Place 2 inches of the granular mix as specified or directed as the wearing course in one lift.
10. Adjust all structure covers, accommodate base and pave to finish elevation.
11. Place 1 inch of the granular mix as specified or directed as the wearing course, in one lift.
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. Perform all traffic control devices, fireproofing and drain.

### QUANTITIES

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**NOTES**

Know what's below. Call before you dig.
### QUNATITIES

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### CONSTRUCTION METHOD AND SEQUENCING

1. The work to be completed on this street shall include, but not be limited to, the following items. The work of construction shall be issued unless otherwise authorized by the engineer.

2. This project is subject to modifications, and all work performed shall be subject to the provisions of the plans, and as directed by the engineer.

3. Insert any required items and submittals as shown on the plans and as directed by the engineer.

4. Lower all structures except retaining walls and monuments.

5. Perform all concrete work, including sidewalks, in accordance with the plans and as directed by the engineer.

6. Sidewalks and the re-compression of existing sidewalks shall be regraded as required, and as directed by the engineer.

7. Flat grades of the final grades shall be specified or directed. All backfilling shall be done as specified or directed.

8. All sidewalks shall be finished and as specified or directed. All backfilling shall be done as specified or directed.

9. All other requirements shall be performed as specified or directed. All backfilling shall be done as specified or directed.

10. Complete all required markings in accordance with the plans, and as directed by the engineer.

11. Complete all miscellaneous construction including all cleanup and final restoration.

12. Remove all debris, control devices,هندي و العناصر و المواقع.

**NOTES**

- Know what's below.
- Call before you dig.
# Construction Method and Sequencing

1. The work to be completed on this project will include, but may be limited to, the following:
   - The order of construction shall be as shown on the plans, and as directed by the Engineer.
   - The Engineer, or his duly authorized representative, shall supervise all work in accordance with these specifications and as directed by the Engineer.
   - The Contractor shall provide all necessary labor, equipment, and materials to complete the work in accordance with these specifications and as directed by the Engineer.
   - The Contractor shall perform all work in a workmanlike manner and in accordance with the plans, as directed by the Engineer.
   - The Contractor shall provide all necessary labor, equipment, and materials to complete the work in accordance with these specifications and as directed by the Engineer.
   - The Contractor shall provide all necessary labor, equipment, and materials to complete the work in accordance with these specifications and as directed by the Engineer.

2. The Contractor shall provide all necessary labor, equipment, and materials to complete the work in accordance with the plans and as directed by the Engineer.

3. The Contractor shall provide all necessary labor, equipment, and materials to complete the work in accordance with the plans and as directed by the Engineer.

4. The Contractor shall provide all necessary labor, equipment, and materials to complete the work in accordance with the plans and as directed by the Engineer.

5. The Contractor shall provide all necessary labor, equipment, and materials to complete the work in accordance with the plans and as directed by the Engineer.

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8. The Contractor shall provide all necessary labor, equipment, and materials to complete the work in accordance with the plans and as directed by the Engineer.

9. The Contractor shall provide all necessary labor, equipment, and materials to complete the work in accordance with the plans and as directed by the Engineer.

10. The Contractor shall provide all necessary labor, equipment, and materials to complete the work in accordance with the plans and as directed by the Engineer.

*For the convenience of the Contractor and the public, the City of Ann Arbor has prepared this pre-bid conference packet to provide an overview of the project and to assist in the preparation of pre-bid questions. This information is not intended to cover all aspects of the project and is not a part of the bid award. The information provided is subject to change and should be confirmed by the Contractor prior to construction. The Contractor is responsible for any errors or omissions in this information. The City of Ann Arbor reserves the right to make changes to the project without notice.*
PROJECT LOCATION: WOODLAND DR

ITB No. BID NO FILE No. 2019-004

CONSTRUCTION METHOD AND SEQUENCING

1. THE WORK TO BE COMPLETED ON THIS STREET WILL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING: MEAT THE ORDER OF CONSTRUCTION SHALL BE AS SHOWN UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.

2. INSTRUCTIONS, MATERIAL, AND TOOL VESSEL CONTAINED IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.

3. INSTALL ANY PROPOSED SEWER METER, AND UNDERGROUND AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.

4. CLEAR ALL STRUCTURE STONE, INCLUDING VALUE AND MONUMENT STONE.

5. NOTIFY ALL CONCERNED STONE, INCLUDING STONE AND AS DIRECTED BY THE ENGINEER.

6. WALL 3 HOLES OF EXCAVATION MATERIAL FROM EXISTING FOUNDATION. THIS MAY INCLUDE GRAVELS, EARTH, OR GRAVEL WASHING. REFER TO DETAIL SHEET IN THE DRAWINGS WHICH WILL BE FURNISHED.

7. NOTIFY ALL CONCERNED STONE, INCLUDING STONE AS DIRECTED BY THE ENGINEER.

8. SURVEY, DIG, AND RE-EXPLORE THE DRIVING ROAD MADE AS DIRECTED, AND AS DIRECTED BY THE ENGINEER.

9. CLEAR ALL STRUCTURE STONE, INCLUDING VALUE AND MONUMENT STONE TO THEIR FINISHED ELEVATION.

10. CLEAR 1 HOLE OF THE NON-EXCAVATION AND AS DIRECTED OR DIRECTED, AS THE MEANING CURENT IN ONE LEFT.

11. CLEAR ALL STRUCTURE STONE, INCLUDING VALUE AND MONUMENT STONE TO THEIR FINISHED ELEVATION.

12. COMPLETE ALL PAYMENT WORKS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.

13. COMPLETE ALL URBANIZATION URGENTLY INCLUDING ANY CLEAN-UP AND FINAL RESTORATION.

14. CLEAN ALL TRASH CONTROL DEVICES, FENCING AND THE PLACE.
# CITY OF ANN ARBOR ENGINEERING

## PROJECT LOCATION: GREENVIEW DR

**ITB No. BID NO** FILE No. 2020-004

### CONSTRUCTION METHOD AND SEQUENCING

1. The work to be completed on this street shall include, but not be limited to, the following:
   - The City of Ann Arbor shall be allowed to direct the work under the authority of the Director of the Department.
   - Enforcement of chapter 41 of the City of Ann Arbor City Code, and any other outdoor conditions as set forth in the plans and specifications.
   - Issuance of separate permits, and undertakes as shown on the plans, and as directed by the Engineer.
   - Lower all structure covers, including valve and manhole doors.
   - Performing all concrete work, requiring designation in accordance with the plans and as directed by the Engineer.
   - Application of 3.0 inches of granular material from existing roadway, to be performed by the Contractor which shall, in all cases,
     - Perform excavation and/or false excavation as directed by the Engineer.
     - Excavate, bank, and re-compact the existing roadway base as required, and as directed by the Engineer.
   - Finish 18 inches of the granular mix as specified on the plans and as directed by the Engineer.
   - Complete all pavement markings in accordance with the plans and as directed by the Engineer.
   - Complete all miscellaneous construction including clean-up and final restoration.
   - Remove all traffic control devices, remove and move the place.

### QUANTITIES

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</tr>
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</table>

### NOTES

- Know what's below.
- Call before you dig.

---

**Contact Information:**

**CITY OF ANN ARBOR**
**PUBLIC SERVICES**
**301 EAST HURON STREET**
**P.O. BOX 8647**
**ANN ARBOR, MI 48107-8647**
**734-794-6410**
**www.a2gov.org**
CITY OF ANN ARBOR
ENGINEERING

PROJECT LOCATION: SCIO CHURCH
SERVICE DR

ITB No. BID NO  FILE No. 2020-004

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 given unless otherwise authorized by the Engineer.

2. Underground utilities, maintenance, and soil erosion controls in accordance with the plans, and as directed by the Engineer.

3. Provide any proposed system improvements, upgrades, and additions as shown on the plans, and as directed by the Engineer.

4. Lower all structures, controls, valves and monuments.

5. Perform all construction work, requiring inspection, in accordance with the plans and as directed by the Engineer.

6. WILL SOURCE MATERIALS MATERIALS FROM EXISTING SILTATION. THIS MAY INCLUDE GRANULAR MATERIALS OTHER THAN MATERIALS BY THE ENGINEER. WILL WRITE A FOLLOWS:

7. Perform all construction work, requiring inspection, in accordance with the plans and as directed by the Engineer.

8. Source, place, and re-compact the existing road base as required, and as directed by the Engineer.

9. Place all asphalt or other materials as specified or directed, as the paving course, in one lift.

10. Adjust all structure, control, monument, and value covers to their finished elevations.

11. Place the line of the pedestrian as specified or directed, as the paving course, in one lift.

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, remove hugs & debris.

---

<table>
<thead>
<tr>
<th>QUANTITIES</th>
<th>QUANTITIES</th>
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<tbody>
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<td>156</td>
</tr>
</tbody>
</table>

NOTES

- Know what's below. Call before you dig.
CONSTRUCTION METHOD AND SEQUENCING

1. The work to be completed on this street shall include, but not be limited to, the following: Note: The order of construction shall be as shown unless otherwise authorized by the Engineer.

2. Maintain traffic control equipment, and test, condition, and control in accordance with the plans, and as directed by the Engineer.

3. Provide any proposed storm sewer, and implement as shown on the plans, and as directed by the Engineer.

4. Lower all structure covers, including valve and manhole covers.

5. Provide a complete water, requiring hydrant in accordance with the plans and as directed by the Engineer.

6. Build B of the driveway, retaining for existing conditions. This may include gravel, rock or other material. Cutback of the roadway should be directed by the Engineer. This work will be done prior to paving.

7. Provide backfill and/or backfill as required by ON THE EXHIBIT.

8. Place a complete of the structure and valve covers as shown on the plans, and as directed by the Engineer.

9. Adjust all structure covers, manhole covers, and valve covers to their finished elevations.

10. Place 1 inch of the driveway and valve covers as shown on the plans and as directed by the Engineer.

11. Complete all pavement markings in accordance with the plans and as directed by the Engineer.

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

13. Remove all traffic control devices, and traffic signs and the like.

NOTES

Know what's below. Call before you dig.
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 unless otherwise directed by the Engineer.

2. Underground utilities shall be maintained, and soil erosion controls shall be as shown in accordance with the plans, and as directed by the Engineer.

3. Provide any proposed system wells, and underground as shown on the plans, and as directed by the Engineer.

4. Lower all structure covers, including valve and monument boxes.

5. Perform all concrete work, requiring repositioning in accordance with the plans and as directed by the Engineer.

6. Wall 3 boards of drainage material from existing roadway. This may include gravel or other drainage material, subject to being approved by the Engineer; which will give full support.

7. Perform underground and/or back fills as directed by the Engineer.

8. Grate, pave, and re-compress the existing roadway base as required, and as directed by the Engineer.

9. Pour 2 inches of the granular base as specified or directed, as the grading course, in one lift.

10. Adjust all structure covers, monument boxes, and valve boxes to their finished elevations.

11. Pour 1 inch of the granular base as specified or directed as the wearing course in one lift.

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

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

14. Remove all traffic control devices, remove and replace the street.

NOTES

Know what’s below. Call before you dig.
CITY OF ANN ARBOR
ENGINEERING

PROJECT LOCATION: HANOVER RD

ITB No. BID NO FILE No. 2020-004

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 SHOWN UNLESS OTHERWISE AUTHORIZED BY DIRECTOR OF ENGINEERING.

2. EMERGENCY TRAFFIC MAINTENANCE, AND SIGN, SIGNAGE CONSTRUCTORS IN ACCORDANCE WITH THE PLANS AND AS DIRECTED BY THE ENGINEER.

3. INSTALL ANY PROPOSED STREET LIGHTS AND UPGRADES AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER.

4. LOWER ALL STRUCTURE COVERING VALUE AND MONUMENT STONES.

5. PERFORM ALL CONCRETE WORK, INCLUDING STROLLERS IN ACCORDANCE WITH THE PLANS AND AS DIRECTED BY THE ENGINEER.

6. WALL 3 BOARD OF MATERIALS FROM EXISTING FOUNDATION. THE WALLS WITHIN THE WALLS SHALL BE COMPLETED TO THE LEVEL OF THE EXISTING FOUNDATION WALL AND ALL STONE.

7. PERFORM EMBLEMS AND OR SIDE MIRRORS AS DIRECTED BY THE ENGINEER.

8. CONSTRUCT AND RE-CONNECT THE EXISTING ROADWAY AS SHOWN, AND AS DIRECTED BY THE ENGINEER.

9. PLACE 1 BOARD OF THE APEX STONE AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.

10. ADJUST ALL STRUCTURE COVERING VALUE AND MONUMENT STONES TO THEIR FINISHED ELEVATIONS.

11. PLACE 1 BOARD OF THE APEX STONE AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.

12. COMPLETE ALL PAINTED 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. PERFORM ALL WHITE CEMENT SEAL, FINISH AND PIPE LAYERS.
# CITY OF ANN ARBOR

## ENGINEERING

**PROJECT LOCATION: WAVERLY RD**

**ITB No. BID NO FILE No. 2020-004**

**CONSTRUCTION METHOD AND SEQUENCING**

1. The work to be completed on this street shall include, but not be limited to, the following: Perform the construction in a manner such that the work is completed as specified in the drawings and specifications. No socket holes shall be completed before being noted on the plans or specified in the specifications. The contractor shall notify the City of all work being performed, and the City, upon inspection, shall approve the work before it is completed. All work must be complete before the inspection is performed.

2. Remove all existing asphalt, concrete, and curbs to be replaced, and remove all existing block, pavers, or other materials as directed by the plans and specifications. Replace all existing materials as specified in the drawings and specifications. No socket holes shall be completed before being noted on the plans or specified in the specifications. The contractor shall notify the City of all work being performed, and the City shall approve the work before it is completed. All work must be complete before the inspection is performed.

3. Provide all materials and equipment necessary for the construction of the work as specified in the drawings and specifications. All work must be performed in accordance with the City's specifications and plans.

4. Lower all structure covers, manholes, and valve boxes as specified in the drawings and specifications. No socket holes shall be completed before being noted on the plans or specified in the specifications. The contractor shall notify the City of all work being performed, and the City shall approve the work before it is completed. All work must be complete before the inspection is performed.

5. Perform all hazardous waste, requiring registration in accordance with the plans and specifications. No socket holes shall be completed before being noted on the plans or specified in the specifications. The contractor shall notify the City of all work being performed, and the City shall approve the work before it is completed. All work must be complete before the inspection is performed.

6. Lower all structure covers, manholes, and valve boxes as specified in the drawings and specifications. No socket holes shall be completed before being noted on the plans or specified in the specifications. The contractor shall notify the City of all work being performed, and the City shall approve the work before it is completed. All work must be complete before the inspection is performed.

**TABLES**

### QUAINTIES

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</table>

**NOTES**

- Know what's below. Call before you dig.
CONSTRUCTION METHOD AND SEQUENCING

1. The work to be completed on this street shall include, but not be limited to, the following:
   - Stone columns shall be installed as indicated on the plans.

2. Prepare a consistent street and sidewalk, including sidewalks and curbsides, in accordance with the plans.
3. Prepare a consistent street and sidewalk, including sidewalks and curbsides, in accordance with the plans.
4. Lower all structure covers, including valves and hydrant boxes.
5. Perform all concrete work, including sidewalks, including sidewalks and curbsides, in accordance with the plans.
6. Install or replace manholes, including sidewalk and street, as indicated on the plans.
7. Install or replace manholes, including sidewalk and street, as indicated on the plans.
8. Complete all construction work, including sidewalks and curbsides, as indicated on the plans.
9. Complete all construction work, including sidewalks and curbsides, as indicated on the plans.
10. Complete all miscellaneous construction, including sidewalks and curbsides, as indicated on the plans.
11. Complete all miscellaneous construction, including sidewalks and curbsides, as indicated on the plans.
12. Complete all miscellaneous construction, including sidewalks and curbsides, as indicated on the plans.
13. Complete all miscellaneous construction, including sidewalks and curbsides, as indicated on the plans.
14. Remove all temporary control devices, remove and repair the road.

NOTES

Know what's below. Call before you dig.
## CITY OF ANN ARBOR
### ENGINEERING

### PROJECT LOCATION: WALTHAM DR

**ITB No. BID NO.** FILE No. 2020-004

---

### CONSTRUCTION METHOD AND SEQUENCING

1. The work to be completed on this project shall be as shown below and as directed by the Engineer.

2. Improper traffic maintenance, and/or, erosion controls in accordance with the plans and as directed by the Engineer.

3. Prepare any proposed street trees and underground as shown on the plans and as directed by the Engineer.

4. Lower all structure covers, valves and manhole boxes.

5. Perform all concrete work, requiring foundations, in accordance with the plans and as directed by the Engineer.

6. Wall 3 boards of drainage material from existing roadway. This may include gravel/lime rock.

7. Set and cure trees at the proper locations. This will include trees for the installation of the sidewalk, which will be done by the Contractor.

8. Prepare and maintain all old sidewalks as required and as directed by the Engineer.

9. Finish 3 boards of the sidewalk and as specified or directed, as the existing course in the lift.

10. Adjust all structure covers, manhole covers and value boxes to their finished elevations.

11. Finish 3 boards of the sidewalk and as specified or directed, as the existing course in the lift.

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

13. Complete all miscellaneous construction including all cleanup and final restoration.

14. Remove all traffic control devices, fence and de-ice the place.

---

### QUANTITIES

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### NOTES

- Know what's below.
- Call before you dig.

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**Addendum**

- The installation of fire hydrants, valves, and manholes shall be as shown on the plans and as directed by the Engineer.
- Improper traffic maintenance in accordance with the plans and as directed by the Engineer.
- Prepare any proposed street trees and underground as shown on the plans and as directed by the Engineer.
- Lower all structure covers, valves and manhole boxes.
- Perform all concrete work, requiring foundations, in accordance with the plans and as directed by the Engineer.
- Set and cure trees at the proper locations. This will include trees for the installation of the sidewalk, which will be done by the Contractor.
- Prepare and maintain all old sidewalks as required and as directed by the Engineer.
- Finish 3 boards of the sidewalk and as specified or directed, as the existing course in the lift.
- Adjust all structure covers, manhole covers and value boxes to their finished elevations.
- Finish 3 boards of the sidewalk and as specified or directed, as the existing 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 cleanup and final restoration.
- Remove all traffic control devices, fence and de-ice the place.
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 unless otherwise authorized or directed by the Engineer.

2. Prior to the issuance of any permits or work commencement, the Contractor must secure all necessary permits and maintain them in accordance with the County and City codes and as directed by the Engineer.

3. Only materials permitted and used in accordance with the Plans and as directed by the Engineer shall be used.

4. The 2021 Michigan Traffic Code shall apply to any work being performed by the Contractor. All work shall be completed at full truck capacity.

5. The Contractor shall obtain and maintain a 2021 Michigan Traffic Code for the work being performed by the Contractor.

6. Prior to construction, the Contractor shall make all necessary permits and as directed by the Engineer.

7. All work shall be performed in accordance with the Plans and as directed by the Engineer.

8. All construction shall be performed in accordance with the Plans and as directed by the Engineer.

9. All materials shall be placed and used in accordance with the Plans and as directed by the Engineer.

10. All work shall be performed in accordance with the Plans and as directed by the Engineer.

11. All work shall be performed in accordance with the Plans and as directed by the Engineer.

12. All work shall be performed in accordance with the Plans and as directed by the Engineer.

13. All work shall be performed in accordance with the Plans and as directed by the Engineer.

14. All work shall be performed in accordance with the Plans and as directed by the Engineer.

15. All work shall be performed in accordance with the Plans and as directed by the Engineer.

16. All work shall be performed in accordance with the Plans and as directed by the Engineer.

17. All work shall be performed in accordance with the Plans and as directed by the Engineer.

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25. All work shall be performed in accordance with the Plans and as directed by the Engineer.

26. All work shall be performed in accordance with the Plans and as directed by the Engineer.

27. All work shall be performed in accordance with the Plans and as directed by the Engineer.

28. All work shall be performed in accordance with the Plans and as directed by the Engineer.

29. All work shall be performed in accordance with the Plans and as directed by the Engineer.

30. All work shall be performed in accordance with the Plans and as directed by the Engineer.

31. All work shall be performed in accordance with the Plans and as directed by the Engineer.

32. All work shall be performed in accordance with the Plans and as directed by the Engineer.

33. All work shall be performed in accordance with the Plans and as directed by the Engineer.

34. All work shall be performed in accordance with the Plans and as directed by the Engineer.

35. All work shall be performed in accordance with the Plans and as directed by the Engineer.

36. All work shall be performed in accordance with the Plans and as directed by the Engineer.

37. All work shall be performed in accordance with the Plans and as directed by the Engineer.

38. All work shall be performed in accordance with the Plans and as directed by the Engineer.

39. All work shall be performed in accordance with the Plans and as directed by the Engineer.

40. All work shall be performed in accordance with the Plans and as directed by the Engineer.
CITY OF ANN ARBOR
ENGINEERING

PROJECT LOCATION: NEWBURY CT

ITB No. BID NO. FILE No. 2020-004

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 UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.

2. EMPLOYEE TRAFFIC MAINTENANCE, AND TOOL, CONSTRUCTION, MATERIALS, AND EQUIPMENT USED IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.

3. PROVIDE ANY REQUIRED SIGNAGE, AND REQUEST AS SHOWN ON THE PLANS, AND AS DIRECTED ON THE SEQUENCE.

4. LOWER ALL STRUCTURE COVER, BIKE LANE, AND MONUMENT SIGNS.

5. PERFORM ALL CONCRETE WORK, INCLUDING REINFORCEMENT IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.

6. INSTALL, CURB, AND SIDEWALKS FROM EXISTING ROADSIDE. THIS MAY INCLUDE CEMENT CURB, PAVE, AND SIDEWALK.

7. INSTALL BIKE LANE AND BIKE LANE COVERING BY THE ENGINEER AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.

8. INSTALL BIKE LANE AND BIKE LANE COVERING AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.

9. COMPLETE BIKE LANE AND BIKE LANE COVERING IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.

10. COMPLETE ALL PAINTING WORKS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.

11. COMPLETE ALL MISC. CONSTRUCTION INCLUDING CLEAN-UP AND FINAL RESTORATION.

12. PERFORM ALL PRIVATE CONTROL WORK, INCLUDING AND SIGNAGE.

NOTES

1. KNOW WHAT'S BELOW. CALL BEFORE YOU DIG.

2. REVIEW APPROPRIATE STANDARDS FOR CONSTRUCTION SEQUENCING, MATERIALS, AND EQUIPMENT USED IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.

3. INSTALL BIKE LANE AND BIKE LANE COVERING AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.

4. COMPLETE BIKE LANE AND BIKE LANE COVERING IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.

5. COMPLETE ALL PAINTING WORKS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.

6. COMPLETE ALL MISC. CONSTRUCTION INCLUDING CLEAN-UP AND FINAL RESTORATION.

7. PERFORM ALL PRIVATE CONTROL WORK, INCLUDING AND SIGNAGE.

8. REVIEW APPROPRIATE STANDARDS FOR CONSTRUCTION SEQUENCING, MATERIALS, AND EQUIPMENT USED IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.

9. INSTALL BIKE LANE AND BIKE LANE COVERING AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.

10. COMPLETE BIKE LANE AND BIKE LANE COVERING IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.

11. COMPLETE ALL PAINTING WORKS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.

12. COMPLETE ALL MISC. CONSTRUCTION INCLUDING CLEAN-UP AND FINAL RESTORATION.

13. PERFORM ALL PRIVATE CONTROL WORK, INCLUDING AND SIGNAGE.
**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 by signed and otherwise authorized by the Engineer.
2. The Engineer’s specifications and procedures are to be used in accordance with the plans, and as directed by the Engineer.
3. Provide any proposed system designs and understandings as shown on the plans, and as directed by the Engineer.
4. Lower all structure covers, including valve and manhole covers.
5. Provide all concrete work, including elevations, in accordance with the plans, and as directed by the Engineer.
6. Will 2 inches of granular material from excavating runoffs. This may include gravel stares, and the material will be placed in the drainage ditch and/or filter fill.
7. Provide underdrain and/or other repairs as directed by the Engineer.
8. Preserve, make, and re-complete the existing road base as required, and as directed by the Engineer.
9. Plan 2 inches of the granular mix as specified on plans, as the wearing course, in one lift.
10. Adjust all structure covers, maintaining the proper elevations of the finished pavement of the wearing course in one lift.
11. Complete all pavement markings in accordance with the plans, and as directed by the Engineer.
12. Complete all miscellaneous construction including all clean-up and final restoration.
13. Remove all traffic control devices, fence, and the like.

### NOTES

Know what’s below. Call before you dig.

### QUANTITIES

<table>
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CONSTRUCTION METHOD AND SEQUENCING

1. The work to be completed on this street shall include, but not be limited to the following: first, the order of construction shall be as shown unless otherwise authorized by the Engineer.
2. Maintain traffic movement, and soil erosion controls in accordance with the Plans, and as directed by the Engineer.
3. Provide any proposed traffic control, and erosion control as shown on the Plans, and as directed by the Engineer.
4. Lower all structure covers including valve and manhole boxes.
5. Perform all concrete work, requiring excavation, in accordance with the Plans, and as directed by the Engineer.
6. Install 2 inches of granular material from existing roadway. This may include granular base material. In the event of cracking by the Engineer, rock will be added.
7. Fill in excavations and/or base material as directed by the Engineer.
8. Grade, shape, and re-compact the existing road base as required, and as directed by the Engineer.
9. Place 3 inches of the granular mix as specified or directed, as the grouting course in one lift.
10. Adjust all structure covers, manhole domes, and valve boxes to their finished elevations.
11. Place 1 inch of the granular mix as specified or directed, as the paving course, in one lift.
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. Remove video in place.

NOTES

Know what's below. Call before you dig.
# CITY OF ANN ARBOR

## ENGINEERING

### PROJECT LOCATION: SUFFOLK ST

**ITB No.** BID NO  FILE No. 2020-004

### CONSTRUCTION METHOD AND SEQUENCING

1. The work to be completed on this street shall include, but not be limited to the following: May.  The order of construction shall be as shown unless otherwise authorized or directed by the Engineer.
2. Installation of traffic maintenance, and soil erosion control in accordance with the plans, and as directed by the Engineer.
3. Install any proposed system lines and underground as shown on the plans, and as directed by the Engineer.
4. Lower all structure covers, including valve and manhole boxes.
5. Perform all concrete work, including reinforcement, in accordance with the plans, and as directed by the Engineer.
6. Mill 2 inches of surfacing material from existing roadway. This may include granular base. Material to be reclaimed by the contractor will be sold.
7. Perform underground and/ or site repairs as directed by the Engineer.
8. Excavate, backfill, and re-compact the existing road base as required, and as directed by the Engineer.
9. Place 2 inches of the surfacing mix as specified or directed, as the schedule directs, in one lift.
10. Adjust all structure covers, monuments, and level values to their finished elevations.
11. Place 1 inch of the surfacing mix as specified or directed, as the schedule directs, in one lift.
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, remove and debris.

### NOTES

- The Contractor's crews and in accordance with plans and specifications, the Contracted shall comply with OSHA and a manual of safe work practices. The Contractor is required to ensure that all work done is done in a manner that is safe for the Contractor and the public.
- This contract is not for the Contractor to perform work in a manner that may not be a part of the work of the public works.
- The Contractor is required to ensure that all work done is done in a manner that is safe for the Contractor and the public.
- The work must be completed in accordance with the plans and specifications.
- The Contractor is responsible for all subcontractors and equipment used on the project.
- The Contractor is responsible for the completion of the work in a safe and timely manner.
- The Contractor is responsible for all permits and licenses required for the work.
- The Contractor is responsible for all materials and equipment used on the project.
- The Contractor is responsible for all operations and transportation costs associated with the project.
CITY OF ANN ARBOR
ENGINEERING

PROJECT LOCATION: RUNNYMEDE BLVD

ITB No. BID NO NO FILE No. 2020-004

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 UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.
2. INFRASTRUCTURE MAINTENANCE, AND THE EXISTING CONDITIONS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
3. INSTALL ANY PROPOSED SIGN SYSTEM, AND UNDERTAKE AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.
4. LOWER ALL STRUCTURE COVERS, INCLUDING VALVE AND MANHOLE COVERS.
5. NOTIFY ALL CONCERNED OWL, REQUIRED PERMITS AND AS DIRECTED BY THE ENGINEER.
6. WILL 2 HOURS OF UNMANNED WORK FROM EXITING ROADWAY. THIS MAY INCLUDE GRAMMAR, ONLY TO BE EXCEPTED BY THE ENGINEER OR HIS DESIGNEE.
7. NOTIFY ENGINEER AND/OR HIS DESIGNEE AS DIRECTED BY THE ENGINEER.
8. CLEAR, GROUND, AND RE-COMPACTION THE GROUND WORK AS REQUIRED, AND AS DIRECTED BY THE ENGINEER.
9. FRAME 2 HOURS OF THE EXISTING WIND AS SHOWN ON THE PROJECT, AND AS DIRECTED BY THE ENGINEER.
10. CLEAR THE EXISTING WIND AS SHOWN ON THE PROJECT, AND AS DIRECTED BY THE ENGINEER.
11. COMPLETE ALL PAINTING WORKS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
12. COMPLETE ALL MISC. CONSTRUCTION WORKING INCLUDES CRY-UP AND FINISH RESTORATION.
13. REMOVE ALL TRASH, DUMP, SHELTERS, AND RIES.

NOTES

KNOW WHAT'S BELOW.
CALL BEFORE YOU DIG.

CITY OF ANN ARBOR
PUBLIC SERVICES
301 EAST HURON STREET
P.O. BOX 8647
ANN ARBOR, MI 48107-8647
734-794-6410
www.a2gov.org

94 OF 98
# Project Location: Wimpole St

**ITB No. BID NO**  FILE No. 2020-004

## Construction Method and Sequencing

1. **Know what's below. Call before you dig.**

2. **Liner structure cover, including valve and miscellaneous.**

3. **Perform all concrete work, requiring pavement in accordance with the plans and as directed by the Engineer.**

4. **Liner structure, including valve and miscellaneous.**

5. **Heat all structure covers, requiring pavement in accordance with the plans and as directed by the Engineer.**

6. **Perform all concrete work, requiring pavement in accordance with the plans and as directed by the Engineer.**

7. **Complete all pavement markings in accordance with the plans and as directed by the Engineer.**

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

## Notes

- The specifications of underground utilities are in accordance with those of the City of Ann Arbor. The contractor shall be directed by a member of the City of Ann Arbor's utility department, including engineering, planning, and inspection, for underground utilities. The City of Ann Arbor assumes no responsibility for their performance or coordination of the underground work done by contractors. The City of Ann Arbor recommends that all underground utilities be installed prior to the earliest possible date as described in the Project Contract Documents.

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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 UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.
2. PERFORM PRECAST, PRECAST, AND TURF, EMBEDMENTS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
3. INSTALL AND ADJUST SIGN SYSTEMS, AND UNDERGROUND AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.
4. LOWER ALL STRUCTURE ORNAMENTS AND MONUMENT IDENTITIES.
5. PERFORM ALL COMPLETE AND, WITHOUT DELAY, IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
6. BACKFILL 3 ROOMS OF GRANULAR MATERIAL FROM EXCAVATION TRENCH, WHERE ENCOUNTERED, TO THE DESIGN ELEVATION OF THE DRAINAGE TRENCH, AND AS DIRECTED BY THE ENGINEER.
7. LOWER UNDERGROUND AND/OR SIDE REPAIRS AS DIRECTED IN THE ENGINEER.
8. COMPLETE GRADING AND RE-COMPACT THE EXISTING ROADWAY AS REQUIRED, AND AS DIRECTED BY THE ENGINEER.
9. REPLACE 2 INCH OF THE DRAINAGE OR AS SPECIFIED OR DIRECTED, AS THE ENGINEER DIRECTS, AND AS DIRECTED BY THE ENGINEER.
10. COMPLETE ALL MATERIAL MOVEMENTS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
11. COMPLETE ALL GRADE CONTROL WORK, FROM SPECIFIED TO THE PLANS.

NOTES

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 UNLESS OTHERWISE AUTHORIZED OR DIRECTED BY THE ENGINEER.
2. PERFORM PRECAST, PRECAST, AND TURF, EMBEDMENTS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
3. INSTALL AND ADJUST SIGN SYSTEMS, AND UNDERGROUND AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE ENGINEER.
4. LOWER ALL STRUCTURE ORNAMENTS AND MONUMENT IDENTITIES.
5. PERFORM ALL COMPLETE AND, WITHOUT DELAY, IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
6. BACKFILL 3 ROOMS OF GRANULAR MATERIAL FROM EXCAVATION TRENCH, WHERE ENCOUNTERED, TO THE DESIGN ELEVATION OF THE DRAINAGE TRENCH, AND AS DIRECTED BY THE ENGINEER.
7. LOWER UNDERGROUND AND/OR SIDE REPAIRS AS DIRECTED IN THE ENGINEER.
8. COMPLETE GRADING AND RE-COMPACT THE EXISTING ROADWAY AS REQUIRED, AND AS DIRECTED BY THE ENGINEER.
9. REPLACE 2 INCH OF THE DRAINAGE OR AS SPECIFIED OR DIRECTED, AS THE ENGINEER DIRECTS, AND AS DIRECTED BY THE ENGINEER.
10. COMPLETE ALL MATERIAL MOVEMENTS IN ACCORDANCE WITH THE PLANS, AND AS DIRECTED BY THE ENGINEER.
11. COMPLETE ALL GRADE CONTROL WORK, FROM SPECIFIED TO THE PLANS.

RIP RAP

THE RIPPED RAP Materiel Source From The Rip Rap will Be Used For Sidewalks, Driveways, And Intersection Fills.

RIP RAP WILL BE Used For Sidewalks, Driveways, And Intersection Fills.
PROJECT LOCATION: WALTHAM DR

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 unless otherwise authorized or directed by the Engineer.

2. Backflow Preventer Maintenance and Test, U.K.P. Maintenance, and U.K.P. Restoration in accordance with the plans, and as directed by the Engineer.

3. Includes any pavement patching, and underdrain as shown on the plans, and as directed by the Engineer.

4. Lower structure covers, including valve and manhole bases.

5. Perform all concrete work, requiring preparation in accordance with the plans, and as directed by the Engineer.

6. Will 2 inches of surfacing material from existing roadway. This may include granular base, base layer or other material, as to be determined by the Engineer, which shall be laid down at 98% of the final thickness.

7. Perform grouting and/or further repairs as directed by the Engineer.

8. Granite, marble, and re-laying the existing road base as required, and as directed by the Engineer.

9. Place 2 inches of the surfacing mix as specified or directed, as the engineering course, in one lift.

10. Adjust all structure covers, manhole bases, and valve boxes to their finished elevations.

11. Place 1 inch of the surfacing mix as specified or directed, as the wearing course, in one lift.

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 throat control elbows, trench caps, and the like.

NOTES

Know what's below. Call before you dig.
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 unless otherwise authorized by the Engineer.

2. Water Main Maintenance, and soil erosion controls in accordance with the plans, and as directed by the Engineer.

3. Progress any proposed storm sewers, and underground as shown on the plans, and as directed by the Engineer.

4. Lower all structure covers, and remove and superintend as directed by the Engineer.

5. Perform all concrete work, and remove materials in accordance with the plans, and as directed by the Engineer.

6. Wall 2 inches of granular material from existing roadway. This may include granular materials that are not shown on the plans, and as directed by the Engineer.

7. Progress underground utilities at rates as shown on the plans, and as directed by the Engineer.

8. Progress all concrete work, and remove materials as shown on the plans, and as directed by the Engineer.

9. Check traffic and re-establish the existing road base as required, and as directed by the Engineer.

10. Place 2 inches of granular material as specified on the plans, and as directed by the Engineer.

11. Progress the remaining work 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 cleanup and final restoration.

14. Remove all traffic control devices, and remove any debris.

NOTES

1. Know what's below. Call before you dig.