CONSTRUCTION NOTES:

- Before digging, please call before you dig. To make a call, contact the City of Ann Arbor Engineering.
- The City of Ann Arbor Engineering is responsible for ensuring that all necessary permits are obtained and that the work is done properly.
- Any damage to utilities is the contractor's responsibility to repair and/or pay for.

- The Contractor is required to ensure that the necessary permits are obtained for the work to be done.
- The City of Ann Arbor Engineering will inspect the work at various times during the project.
- The Contractor is required to provide the necessary permits to the City of Ann Arbor Engineering.

- All construction work must be completed to the City of Ann Arbor Engineering's satisfaction.
- The City of Ann Arbor Engineering reserves the right to make changes to the project as necessary.

PRIVATE UTILITIES

<table>
<thead>
<tr>
<th>OWNER</th>
<th>CONTACT</th>
</tr>
</thead>
<tbody>
<tr>
<td>WATT INDUSTRIAL</td>
<td>(734) 794-3320</td>
</tr>
<tr>
<td>SEARS</td>
<td>(734) 794-3300</td>
</tr>
<tr>
<td>RUSSELL STREET</td>
<td>(734) 794-3300</td>
</tr>
<tr>
<td>FREDERICK</td>
<td>(734) 794-3300</td>
</tr>
</tbody>
</table>

PROJECT NAME BENCHMARKS

<table>
<thead>
<tr>
<th>BM #</th>
<th>LEVEL</th>
<th>DESCRIPTION</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>2074.124</td>
<td>TOP OF HYDRANT, WEST END OF RUSSELL, NORTH SIDE</td>
</tr>
<tr>
<td>2</td>
<td>2074.124</td>
<td>NORTH BOLT HYDRANT AT NORTHWEST CORNER OF RUSSELL &amp; MAPLE</td>
</tr>
</tbody>
</table>
Know what's below. Call before you dig.
PLAN:

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

TRANSITION TABLE

<table>
<thead>
<tr>
<th>FROM CENTER</th>
<th>FROM CURB</th>
<th>TO CENTER</th>
<th>TO CURB</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>0.25</td>
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<tr>
<td>0.50</td>
<td>0.50</td>
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<td>0.50</td>
</tr>
</tbody>
</table>

EXISTING TYPICAL CROSS SECTION
RUSSELL STREET

PROPOSED TYPICAL CROSS SECTION
RUSSELL STREET

FOR TRANSFER TO THE PGCS:00
SW: +451.83 TO +450.00
NW: +451.87 TO +450.00
NOT TO SCALE
Know what's below. Call before you dig.
PLAN:

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

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Utility Trench Type I SD-TD-1A
Utility Trench Type VI SD-TD-9

Storm Manhole SD-ST-1

Fire Hydrant Assembly SD-W-1

Russell Street Improvement Details

Revised 6-15-19
Revised 6-4-20
Revised 3-15-18
Revised 3-19-18
Revised 2-19-19
Revised 4-10-20
RUSSELL STREET IMPROVEMENTS

REMOVAL PLAN

Legend:
- Existing Sewer/Drainage
- Existing Street/Parking
- Street and Parking Demolition
- Street and Parking/Removal of all existing structures
- Street and Parking/Shrubs/Plants Removal
- Street and Parking/Parking Lot/Structure Demolition
- Street and Parking/Removal of any type of structural/groundwork
- Street and Parking/Removal of any type of tree
- Street and Parking/Removal of any type of tree

REMOVAL KEY:
- 1. House/Building
- 2. Pole
CONSTRUCTION KEY

KEY DESCRIPTION

1. HMA SURFACE AREA FOR HMA
2. CURB AND GUTTER, CONCRETE, 8" RICH TO 8" RICH
3. SIDEWALK, CONCRETE, 4" RICH
4. SPEED HUMP, CONCRETE, 6" RICH
5. CONCRETE CURB AND GUTTER, 8" RICH
6. HMA APPROACH
7. HMA PAVEMENT DETAIL
8. HMA APPROACH CONC, 8" RICH, NON-DRY, PAVING
9. DRIVING OPENING CONC.

RUSSELL STREET IMPROVEMENTS
PAVING PLAN

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11 OF 22

HMA PAVEMENT DETAIL

JOINT DETAIL

LOAD TRANSFER, JOINT, 6" SPACED ON DETAIL

Know what's below.
Call before you dig.
PROPOSED CATCH BASIN PROFILES
UNDERGROUND STORMWATER STORAGE
CONTROL STRUCTURE

1. FLUIDIC-CONE SIZES VARY BASED ON SITE REQUIREMENTS (SEE FLOW CHARTS)
2. SLEEVE DIAMETER & LENGTH DEPEND ON PIPE SIZE AND MATERIAL.
3. ATTACHMENT MAY BE MADE BY A PLATE, A SLEEVE (AS SHOWN) OR A BOLTING FLANGE
4. OUTLET SIZE VARIES BASED ON DESIRED OUTFLOW RATES (Ø3" MINIMUM)
5. ALL WELDS CONTINUOUS UNLESS NOTED OTHERWISE

MATERIALS:
12 GA. 304L STAINLESS STEEL
(1) Ø5/8" AND (1) Ø9/16" BUNA N, 50 DUROMETER O-RINGS

This CADD file is for the purpose of specifying stormwater flow control devices to be furnished by CONTECH Stormwater Solutions and may only be transferred to other documents exactly as provided by CONTECH Stormwater Solutions. Title block information, excluding the CONTECH Stormwater Solutions logo and the Fluidic-Cone or Fluidic-Amp HydroBrake designation and patent number, may be deleted if necessary. Revisions to any part of this CADD file without prior coordination with CONTECH Stormwater Solutions shall be considered unauthorized use of proprietary information.
RUSSELL ST

PLAN:
1" = 20'

PROFILE: 1" = x'

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PLANTING SCHEDULE

<table>
<thead>
<tr>
<th>CODE</th>
<th>QTY</th>
<th>BOTANICAL NAME</th>
<th>COMMON NAME</th>
<th>SYMBOL</th>
<th>SIZE</th>
<th>ROOT</th>
<th>SPACING</th>
</tr>
</thead>
<tbody>
<tr>
<td>CE</td>
<td>1</td>
<td>Cercis canadensis</td>
<td>Eastern Redbud</td>
<td>6' Clump</td>
<td>B&amp;B</td>
<td>As Shown</td>
<td></td>
</tr>
<tr>
<td>NS</td>
<td>2</td>
<td>Nyssa sylvatica</td>
<td>Blackgum</td>
<td>2&quot;</td>
<td>B&amp;B</td>
<td>As Shown</td>
<td></td>
</tr>
<tr>
<td>OV</td>
<td>2</td>
<td>Ostrya virginiana</td>
<td>Ironwood</td>
<td>2&quot;</td>
<td>B&amp;B</td>
<td>As Shown</td>
<td></td>
</tr>
<tr>
<td>PG</td>
<td>7</td>
<td>Picea glauca 'Densata' (By Others)</td>
<td>Black Hills Spruce</td>
<td>6' H</td>
<td>B&amp;B</td>
<td>As Shown</td>
<td></td>
</tr>
<tr>
<td>QM</td>
<td>3</td>
<td>Quercus macrocarpa</td>
<td>Bur Oak</td>
<td>2 1/2&quot;</td>
<td>B&amp;B</td>
<td>As Shown</td>
<td></td>
</tr>
</tbody>
</table>

NOTE:
FINAL TREE LOCATIONS SOUTH OF RUSSELL ST TO BE DETERMINED IN THE FIELD BASED ON GAS LINES AND OTHER UTILITIES.

KNOW WHAT'S BELOW. CALL BEFORE YOU DIG.
PLAN:

Know what's below.
Call before you dig.

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RUSSELL STREET IMPROVEMENTS
PEDESTRIAN DETOUR ROUTE

SIDEWALK CLOSED
CROSS HERE

SIDEWALK CLOSED
AHEAD
CROSS HERE

E/

N

LEGEND

PEDESTRIAN DETOUR ROUTE
TYPE A MARKER
T TENTORY SIGN

RUSSELL STREET WORK PEDESTRIAN DETOUR
Know what's below.
Call before you dig.

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2014000 - 22 OF 22

RUSSELL STREET IMPROVEMENTS
SIGNAGE AND PAVEMENT MARKING PLAN

NOTE:
CONTRACTOR SHALL NOTIFY HAWITE TO DISCONNECT METER AT THE CITY SERVICE PANEL AT LEAST 5 BUSINESS DAYS PRIOR TO REMOVAL OF INSTALLATION OR SAWING.