EXISTING GREEN ROAD SECTION

PROPOSED GREEN ROAD SECTION

Bar Measures 1 inch

A. BICKLEY

HMA APPLICATION ESTIMATES

<table>
<thead>
<tr>
<th>ITEM</th>
<th>MIX</th>
<th>RATE OF APPLICATION</th>
<th>PERFORMANCE GRADE</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>HMA, APPROACH, HIGH STRESS</td>
<td>300</td>
<td>PS 70-28</td>
</tr>
<tr>
<td>B</td>
<td>HMA, APPROACH, HIGH STRESS</td>
<td>320</td>
<td>PS 70-28</td>
</tr>
<tr>
<td>C</td>
<td>HMA, APPROACH</td>
<td>300</td>
<td>PS 60-32</td>
</tr>
</tbody>
</table>

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WATER MAIN CONSTRUCTION NOTES:

1. FOR EROSION CONTROL ITEMS, SEE EROSION CONTROL SHEETS.
   ALL DRAWS IN THIS PLAN REPRESENT THE BEST INFORMATION AVAILABLE AS OBTAINED THROUGH THE SURVEYS AND/OR
   EXISTING PLANS. THIS INFORMATION DOES NOT RELIEVE THE CONSTRUCTION COMPANY OF THE RESPONSIBILITY TO BE SATISFIED AS TO
   ITS ACCURACY AND/OR THE LOCATION OF EXISTING UTILITIES. IF STORM, SANITARY, OR WATER MAINS CROSS WITH LESS THAN 18" CLEARANCE,
   THEY SHALL BE SADDLED. IF WATER MAINS CROSS OTHER UTILITIES, CONTACT THEIR RESPECTIVE OWNERS FOR INFORMATION ON HOW TO
   PROCEED. PAYMENT FOR THE COORDINATION EFFORTS, CONCRETE SADDLES, AND ANY OTHER ASSOCIATED ITEMS SHALL BE INCLUDED IN
   THE RELATED WATER MAIN ITEMS AND SHALL NOT BE PAID FOR SEPARATELY.

2. THE CONTRACTOR WILL ONLY BE ALLOWED TO SHUT DOWN THE EXISTING 16" WATER MAIN FOR A MAXIMUM DURATION OF 8 HOURS IN ANY
   ONE SHUTDOWN, IN ANY GIVEN 24 HOUR PERIOD. SHUTDOWN OF THE WATER MAIN MUST BE SCHEDULED WITH THE ENGINEER A MINIMUM
   OF 3 WORKING DAYS IN ADVANCE OF THE INTENDED SHUTDOWN. THE WATER MAIN WILL NOT BE ALLOWED TO TAKE PLACE ON A SATURDAY
   OR A SUNDAY UNLESS APPROVED.

3. THE CONTRACTOR SHALL PROPOSE A METHOD(S) AND EQUIPMENT FOR THE REVIEW AND APPROVAL OF THE FLUSHING OF CHLORINATED
   WATER FROM PROPOSED WATER MAIN INTO EXISTING SANITARY SEWERS. CHLORINATED WATER SHALL NOT BE ALLOWED IN STORM
   SEWERS OR BIOSWALLS. ANY AND ALL MEASURES NECESSARY TO COMPLY WITH THIS REQUIREMENT SHALL BE INCLUDED IN THE COST OF
   THE WATER MAIN INSTALLATION AND WILL NOT BE PAID FOR SEPARATELY.

4. UPON COMPLETION OF THE 16" WATER MAIN CONSTRUCTION AND HYDROSTATIC AND BACTERIOLOGICAL TESTING, THE CONTRACTOR SHALL REMOVE
   THE TEMPORARY WATER MAIN TESTING AND CONNECTION ASSEMBLY AND CONSTRUCT THE FINAL, PERMANENT CONNECTION. THE TEMPORARY
   TESTING CONNECTION AND CONSTRUCTION OF THE FINAL PERMANENT CONNECTION WILL BE INCLUDED IN THE RELATING COST OF WORK.
   EXISTING SERVICES FOR 3500 PLYMOUTH RD MUST BE MAINTAINED AT ALL TIMES. AFTER COMPLETION OF THE 16" WATER MAIN CONSTRUCTION,
   CONTRACTOR IS RESPONSIBLE FOR INSPECTION OF THE MAIN, BORING THE PROPOSED "D" WATER SERVICE LINE IN PLACE AND INSTALLING THE CONNECTION TO THE EXISTING SERVICE LINE. CITY OF ANN ARBOR SUPPLEMENTAL PERMIT, TOPS AND CONNECTIONS.

5. AFTER COMPLETION OF 16" WATER MAIN ACCEPTANCE TESTING IN PLYMOUTH, CONTRACTOR SHALL COORDINATE THE INSTALLATION OF
   THE PROPOSED 2" WATER SERVICE. CONTRACTOR IS RESPONSIBLE FOR EXCAVATION OF THE MAIN, BORING THE "D" WATER SERVICE LINE IN PLACE
   AND INSTALLING THE CONNECTION TO THE EXISTING SERVICE LINE. CITY OF ANN ARBOR SUPPLEMENTAL PERMIT, TOPS AND CONNECTIONS.
REMFR KEY

KEY DESCRIPTION
1. REMOVE WATER FITTINGS & VALVES
2. REMOVE BITUMINOUS PAVEMENT
3. REMOVE CONCRETE CURB & GUTTER
4. REMOVE CONCRETE SIDEWALK
5. REMOVE WATER VALVE
6. ABANDON WATER VALVE

CONSTRUCTION KEY

KEY DESCRIPTION
1. HMA SURFACE AREA FOR HMA
2. CG CURB & GUTTER, CONC, BARRIER
3. SW-4 SIDEWALK CONC, 4"
4. SWR-6 SIDEWALK RAMP, CONC, 6"

WATER MAIN STRUCTURE TABLE

## NOTES

1. ALL WATER MAIN CONSTRUCTION SHALL HAVE AMERICAN COATS.
2. CITY WATER DEPARTMENT TO CHECK ALL EXISTING VALVES FOR CORRECT LOCATION.
3. WHERE THE EXISTING VALVES CAN NOT BE CHECKED, THE WATER MAIN COORDINATE SHALL BE AS ShOWN.
4. WHERE THE EXISTING CURB & GUTTER LINES CAN NOT BE CHECKED, THE CURB & GUTTER LINES SHALL BE AS ShOWN.
5. REMOVE WATER FITTINGS OR VALVE
6. REMOVE BITUMINOUS PAVEMENT
7. REMOVE CONCRETE CURB & GUTTER
8. REMOVE CONCRETE SIDEWALK
9. ABANDON WATER VALVE

LIVING SEQUENCING NOTES

1. 700' MAIN EXISTING WILL BE CLOSED DURING THE PLYMOUTH RD. SHOULDER CONSTRUCTION,
2. CONSTRUCTION TO PROCEED REVERSE OF VALVES WITHIN CITY OF ANN ARBOR
3. CITY OF ANN ARBOR SHALL BE NOTIFIED OF ALL WORK BEING DONE WITHIN CITY
4. PREPAREDNESS PROPOSED EXISTING VALVES TO BE EXTENDED TO END OF LIVING BY CITY OF ANN ARBOR
5. WATER MAIN BETWEEN VALVES SHALL BE 06.00" IN DIA AND APPROXIMATELY 10' IN LENGTH AND LOCATION OF VALVES THROUGHOUT.
PLYMOUTH RD

COMMONWEALTH BLVD

SCALE: 20' 40' 80'
1" = 40'

KEY
PLASTIC DRUM, HIGH INTENSITY
TRAFFIC FLOW ARROW
TYPE III BARRICADE
TEMPORARY SIGN
WORK ZONE
LIGHTED ARROW PANEL

SIGN PLACEMENT
LOW WORK ZONE

LOW CLOSET TO WORK ZONE

PLACE SIGN AT 60' SPACING OR AS DIRECTED BY ENGINEER

K. PIETILA

PROJECT NO.

PRINCIPAL INVESTIGATOR

 đồ họa

THU TRƯỜNG

200-31537-16003

CITY OF ANN ARBOR
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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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Know what's below. Call before you dig.
TEMPORARY STOP BAR SHALL BE PLACED A MINIMUM OF 50' FROM TEMPORARY TRAFFIC SIGNAL HEADS.

PLASTIC DRUM, HIGH INTENSITY TRAFFIC FLOW ARROW
TYPE III BARRICADE
TEMPORARY SIGN
WORK ZONE
LIGHTED ARROW PANEL

PLACEMENT OF PLASTIC DRUMS, HIGH INTENSITY BARRICADES
AND TEMPORARY SIGNS TO BE DETERMINED BY DESIGNER

KEY

PLASTIC DRUM, HIGH INTENSITY TRAFFIC FLOW ARROW
TYPE III BARRICADE
TEMPORARY SIGN
WORK ZONE

24 INCH, STOP BAR

WORK ZONE

PLACEMENT OF PLASTIC DRUMS, HIGH INTENSITY BARRICADES
AND TEMPORARY SIGNS TO BE DETERMINED BY DESIGNER

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CHECKED BY:

DRAWN BY:

PROJECT NO.:

DESIGNED BY:

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200-31537-16003

PLYMOUTH ROAD AND GREEN ROAD
WATER MAIN REPLACEMENT
CITY OF ANN ARBOR

THE LIMIT SPEED FOR MAINTAINING PEDESTRIAN SAFETY

THE LIMIT SPEED FOR LEFT TURN SAFETY

PLACED AT 50' SPACING OR AS DETERMINED BY DESIGNER

SCALE: 1" = 40'

SPEED LIMIT
25

1824 IN
CO-RATED 1851
PLYMOUTH ROAD AND GREEN ROAD
WATER MAIN REPLACEMENT
CITY OF ANN ARBOR
PUBLIC WORKS
710 AVIS DRIVE, SUITE 100
ANN ARBOR, MI 48108
PH: 734-665-6000

Know what's below.
Call before you dig.

PLYMOUTH RD

STA 37+00 TO STA 48+00

A. BICKELY
K. PIETILA

SCALE: 20' 40' 80'
1" = 40'

KEY
PLASTIC DRUM, HIGH INTENSITY
TRAFFIC FLOW ARROW
TYPE III BARRICADE
TEMPORARY SIGN
WORK ZONE
LIGHTED ARROW PANEL
STAGE 2 - DURING ROAD/UTILITY CONSTRUCTION

STAGE 2 - DURING SIDEWALK RAMP CONSTRUCTION

MOT PEDESTRIAN KEY

KEY

DESCRIPTION

TEMPORARY PEDESTRIAN RAMP

TEMPORARY PEDESTRIAN PATH

TEMPORARY PEDESTRIAN TYPE II CHANNELIZER

TEMPORARY CROSSWALK

TYPE I PEDESTRIAN BARRICADE
STAGE 4 - DURING ROAD/UTILITY CONSTRUCTION

STAGE 4 - DURING SIDEWALK RAMP CONSTRUCTION

MOT PEDESTRIAN KEY

<table>
<thead>
<tr>
<th>KEY</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>H</td>
<td>TEMPORARY PEDESTRIAN RAMP</td>
</tr>
<tr>
<td>I</td>
<td>TEMPORARY PEDESTRIAN PATH</td>
</tr>
<tr>
<td>I+</td>
<td>TEMPORARY PEDESTRIAN TYPE I</td>
</tr>
<tr>
<td>T</td>
<td>TEMPORARY CROSSWALK</td>
</tr>
<tr>
<td>T+</td>
<td>TYPE II PEDESTRIAN RAMP RAMP</td>
</tr>
</tbody>
</table>

**PLYMOUTH & GREEN RD SIDEWALK MOT - STAGE 4**