CITY OF ANN ARBOR
ENGINEERING

PONTIAC, SWIFT, MOORE, & WRIGHT
INFRASTRUCTURE IMPROVEMENTS

BID No. 23-22, FILE No. 2022-032

NOTES

FOR PROTECTION OF UNDERGROUND UTILITIES AND IN CONFORMANCE WITH THE MICHIGAN PUBLIC WORKS ACT (408.233), A COPY OF THESE PLANS MUST BE PROVIDED TO THE CONTRACTOR PRIOR TO REVISING OR CONSTRUCTION. THE MEASURE OF COMPLIANCE IS TO REVIEW THE CONTRACTOR PLANS TO CONSTRUCTION IN ORDER TO ENSURE THESE TRENCHES DO NOT INTERCEPT ANY UNDERGROUND UTILITIES.

THE CONTRACTOR AND OTHERS EMPLOYED IN THE PERFORMANCE OF THE WORK AND THEIR ASSOCIATES DEPENDING THE CONTRACTORS AND TO MAKE THEIR CONSTRUCTIVE PLANS TO CONSTRUCTION IN ORDER TO ENSURE THESE TRENCHES DO NOT INTERCEPT ANY UNDERGROUND UTILITIES.

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### Construction Notes

#### Notes

- Some items may require additional bonding during construction.
- The homeowner shall provide full access to the home for inspections.
- Parking shall be provided by the homeowner for the inspection.
- All items shall be submitted at least 5 days prior to the inspection.
- All items shall be kept in a location that is accessible to the inspector.

### Soil Erosion and Sedimentation Control Notes

#### Construction Notes

- Samples for soil erosion and sedimentation control shall be provided by the homeowner for the inspection.
- The homeowner shall provide full access to the home for inspections.
- All items shall be kept in a location that is accessible to the inspector.

### Water Main Construction Notes

#### Notes

- The homeowner shall provide full access to the home for inspections.
- All items shall be kept in a location that is accessible to the inspector.

### Project Benchmarks

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<td>784.73</td>
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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

REVIEWED 4-15-19
REVIEWED 4-15-19
REVIEWED 3-31-19
REVIEWED 2-15-20
REVIEWED 6-15-20
REVIEWED 6-15-20
REVIEWED 6-15-20
REVIEWED 6-15-20
REVIEWED 6-15-20
策划：

1. 知道下面的东西。
2. 打电话之前检查。

城市：安娜堡
公共服务
工程

地址：102 东密歇根街
邮政编码：8647
安娜堡，密歇根州 48107
电话：734-794-6410
www.a2gov.org

2022-032-6
庞蒂亚克、斯威夫特、穆尔和怀特
基础设施改善
详情 2
PLAN:

Know what's below. Call before you dig.

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING
CITY OF ANN ARBOR
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ANN ARBOR, MI 48107-8647
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PONTIAC, SWIFT, MOORE, & WRIGHT
INFRASTRUCTURE IMPROVEMENTS

CASTING SCHEDULE

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<tr>
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*Each cover shall have "SANITARY": "STORM" or "WATER" cast in the surface, whichever is applicable. Sanitary series covers for flood prone areas shall be utilized where shown on the plans or as directed by the Project. Frames and covers must have machined bearing surfaces.

Water or Gas Valve Box Adjustment

Valve Adjustment Box Adjustment

*30D and Larger, Base 6000 W/88802, 6800 SET
*0" to 12" Valves, Base 6000 W/88802, 00 SET
*0" to 12" Valves, Base 6000 W/88802, 00 SET

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<tr>
<td>SUGGESTED SANITARY MAIN FRAME AND COVER</td>
<td>Q</td>
<td>30424 W/203040-10 IN FLOODED AREA</td>
<td>N/A</td>
</tr>
</tbody>
</table>

*Each cover shall have "SANITARY": "STORM" or "WATER" cast in the surface, whichever is applicable. Sanitary series covers for flood prone areas shall be utilized where shown on the plans or as directed by the Project. Frames and covers must have machined bearing surfaces.

Water or Gas Valve Box Adjustment

Valve Adjustment Box Adjustment

*30D and Larger, Base 6000 W/88802, 6800 SET
*0" to 12" Valves, Base 6000 W/88802, 00 SET
*0" to 12" Valves, Base 6000 W/88802, 00 SET
EXISTING ELECTRICAL STRUCTURE TABLE

<table>
<thead>
<tr>
<th>STRUCTURE #</th>
<th>RIM</th>
<th>SIZE</th>
<th>CONDITION AND CONNECTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>U#1 45001</td>
<td>13</td>
<td>125</td>
<td>Condition: Corridor Underground Estimate: S.D. 12'</td>
</tr>
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</table>

EXISTING TELEPHONE STRUCTURE TABLE

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<th>STRUCTURE #</th>
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<th>CONDITION AND CONNECTIONS</th>
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<td>1203 60404</td>
<td>17</td>
<td>150</td>
<td>Condition: Corridor Underground Estimate: S.D. 12'</td>
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EXISTING STORM STRUCTURE TABLE

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<tr>
<th>STRUCTURE #</th>
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<th>SIZE</th>
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</thead>
<tbody>
<tr>
<td>U#1 45001</td>
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<td>125</td>
<td>Condition: Corridor Underground Estimate: S.D. 12'</td>
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EXISTING WATER STRUCTURE TABLE

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<tr>
<th>STRUCTURE #</th>
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<th>CONDITION AND CONNECTIONS</th>
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</thead>
<tbody>
<tr>
<td>U#1 45001</td>
<td>13</td>
<td>125</td>
<td>Condition: Corridor Underground Estimate: S.D. 12'</td>
</tr>
</tbody>
</table>

PROJECT BENCHMARKS

<table>
<thead>
<tr>
<th>BM #</th>
<th>ELEV</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>55</td>
<td>867.90</td>
<td>PK NAIL WEST SIDE OF UTILITY POLE AT INTERSECTION OF SWIFT, HARDING S. &amp; REDNAP</td>
</tr>
<tr>
<td>56</td>
<td>865.11</td>
<td>PK NAIL EAST SIDE OF UTILITY POLE AT INTERSECTION OF SWIFT &amp; REDNAP</td>
</tr>
<tr>
<td>57</td>
<td>858.75</td>
<td>PK NAIL NORTHWEST SIDE OF UTILITY POLE AT INTERSECTION: HARDING &amp; REDNAP</td>
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EXISTING SANITARY SEWER STRUCTURE TABLE

<table>
<thead>
<tr>
<th>AA-003</th>
<th>WIDTH</th>
<th>RIM</th>
<th>DESCRIPTION</th>
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<tr>
<td>70-6792</td>
<td>50.00</td>
<td>623.36</td>
<td>PK NAIL NORTHEAST SIDE OF UTILITY POLE, SOUTH SIDE SWIFT, 2ND POLE SOUTHWEST OF INTERSECTION OF SWIFT AND WRIGHT</td>
</tr>
<tr>
<td>70-6792</td>
<td>50.00</td>
<td>623.36</td>
<td>PK NAIL EAST SIDE OF UTILITY POLE AT NORTHWEST CORNER PONTIAC TRAIL &amp; LONGSHORE BETWEEN HYDRANT AND RAILROAD</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>STRUCTURE</th>
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<th>DESCRIPTION</th>
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<tr>
<td>6L08H-12285</td>
<td>120°</td>
<td>PK NAIL</td>
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PROJECT BENCHMARKS

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<td>50</td>
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<td>812.11</td>
<td>PK NAIL EAST SIDE OF UTILITY POLE AT NORTHWEST CORNER PONTIAC TRAIL &amp; LONGSHORE BETWEEN HYDRANT AND RAILROAD</td>
</tr>
<tr>
<td>52</td>
<td>784.73</td>
<td>PK NAIL SOUTHWEST SIDE OF UTILITY POLE AT NORTHWEST CORNER MOORE &amp; BROADWAY</td>
</tr>
</tbody>
</table>
KEY MAP

PONTIAC TRAIL

EXISTING STORM STRUCTURE TABLE

<table>
<thead>
<tr>
<th>AA GIS #</th>
<th>RIM</th>
<th>SIZE</th>
<th>CONDITION AND CONNECTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BB 57309</td>
<td>C65</td>
<td>608.42</td>
<td>12&quot; PVC (1000) SW, WV 86, 67</td>
</tr>
<tr>
<td>BB 57405</td>
<td>C65</td>
<td>702.85</td>
<td>24&quot; TYPARK RUBBER, WW 86, 67</td>
</tr>
<tr>
<td>BB 57406</td>
<td>C65</td>
<td>792.35</td>
<td>24&quot; TYPARK RUBBER, WW 86, 67</td>
</tr>
<tr>
<td>BB 58300</td>
<td>C65</td>
<td>855.06</td>
<td>12&quot; PVC (1000) SW, WV 86, 67</td>
</tr>
<tr>
<td>BB 58301</td>
<td>C65</td>
<td>950.06</td>
<td>12&quot; PVC (1000) SW, WV 86, 67</td>
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</table>

EXISTING SANITARY STRUCTURE TABLE

<table>
<thead>
<tr>
<th>AA GIS #</th>
<th>RIM</th>
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<th>CONDITION AND CONNECTIONS</th>
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</thead>
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<td>71 77011</td>
<td>S44</td>
<td>766.07</td>
<td>12&quot; PVC (1000) SW, WV 86, 67</td>
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EXISTING STORM STRUCTURE TABLE

<table>
<thead>
<tr>
<th>AA GIS #</th>
<th>RIM</th>
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<td>C65</td>
<td>881.26</td>
<td>12&quot; PVC (1000) SW, WV 86, 67</td>
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<tr>
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<th>CONDITION AND CONNECTIONS</th>
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<tr>
<td>81 60353</td>
<td>S44</td>
<td>793.36</td>
<td>12&quot; PVC (1000) SW, WV 86, 67</td>
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EXISTING STORM STRUCTURE TABLE

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<thead>
<tr>
<th>AA GIS #</th>
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<th>CONDITION AND CONNECTIONS</th>
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<td>C65</td>
<td>928.03</td>
<td>12&quot; PVC (1000) SW, WV 86, 67</td>
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EXISTING SANITARY STRUCTURE TABLE

<table>
<thead>
<tr>
<th>AA GIS #</th>
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<th>SIZE</th>
<th>CONDITION AND CONNECTIONS</th>
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</thead>
<tbody>
<tr>
<td>82 60278</td>
<td>S44</td>
<td>794.02</td>
<td>12&quot; PVC (1000) SW, WV 86, 67</td>
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</tbody>
</table>

PROJECT BENCHMARKS

<table>
<thead>
<tr>
<th>BM #</th>
<th>ELEV</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>00</td>
<td>887.93</td>
<td>IN NAL, NORTHEAST SIDE OF UTILITY POLE, SOUTH SIDE SWIFT, 2ND POLE SOUTHWEST OF INTERSECTION OF SWIFT AND WRIGHT</td>
</tr>
<tr>
<td>01</td>
<td>825.11</td>
<td>IN NAL, EAST END OF UTILITY POLE AT NORTHWEST CORNER PONTIAC TRAIL &amp; PAINT BETWEEN INTER SECTS AND INTER SECTS</td>
</tr>
<tr>
<td>02</td>
<td>794.73</td>
<td>IN NAL, SOUTHWEST SIDE OF UTILITY POLE AT NORTHEAST CORNER MOORE &amp; BROADWAY</td>
</tr>
</tbody>
</table>

SEE SHEET 9 FOR SWIFT STREET

SEE SHEET 12 FOR MOORE STREET
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

2022-032

PONTIAC, SWIFT, MOORE, & WRIGHT INFRASTRUCTURE

IMPROVEMENTS

TYPICALS - SWIFT STREET

EXISTING TYPICAL CROSS SECTION

PROPOSED TYPICAL CROSS SECTION

NOT TO SCALE
PLAN:

Know what's below. Call before you dig.

CITY OF ANN ARBOR - PUBLIC SERVICES - ENGINEERING

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

2022-032

PONTIAC, SWIFT, MOORE, & WRIGHT INFRASTRUCTURE IMPROVEMENTS

EXISTING TYPICAL CROSS SECTION

WRIGHT ST

POND 4555.00
NOT TO SCALE

PROPOSED TYPICAL CROSS SECTION

WRIGHT ST

POND 4555.00
NOT TO SCALE

MAX. TYP. RAMPS OF 8 %

MAX. TYP. RAMPS OF 8 %
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

---

**2022-032**

**Pontiac, Swift, Moore, & Wright Infrastructure Improvements**

**Soil Boring Logs**
REMOVAL KEY

KEY | DESCRIPTION
--- | ---
1 | PIPELINE COVER, TYPE C SPECIAL
2 | GATE VALVE IN NEED OF REPAIR
3 | FIRE HYDRANT, PNG
4 | CEMENT MIXING, MIX SUBMIT
5 | EROSION CONTROL, PLANT PLUG
6 | DRAIN VEIN IN NEED OF REPAIR
7 | STRUCTURAL, ANY SIZE OR DEPTH, PNG
8 | WATER MAIN CUT-OFF DEVICE AND SHORTCUTS
9 | SEWER, ANY SIZE OR DEPTH, PNG
10 | CONCRETE COVER, ANY SIZE OR DEPTH, PNG
11 | PIPELINE COVER, TYPE A SPECIAL

NOTE: GATE VALVE DEPTH AT REMOVAL VCMP.
Know what's below. Call before you dig.
See Sheet 27 for Pontiac Trail

Key Map

Moore Street

Proposed Water Main Consolidation - Moore St
Know what's below. Call before you dig.
ONLY R

PLAN:  1"=20'

Know what's below.
Call before you dig.

PONTIAC TRAIL
(66° ROW)

MOORE STREET
(49.5" ROW)

SEE BELOW FOR MOORE STREET

SEE ABOVE FOR PONTIAC TRAIL

SEE SHEET 38 FOR SWIFT STREET

BM-52 784.73
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

PONTIAC, SWIFT, MOORE, & WRIGHT INFRASTRUCTURE IMPROVEMENTS
PROPOSED SIGNING - SWIFT & WRIGHT

MATCH LINE STA 5+50
SEE SHEET 50

WRIGHT STREET
(66 ROW)

KEY MAP
Know what's below. Call before you dig.
PLAN:

Know what's below.
Call before you dig.

END DETOUR
AHEAD
ROAD CLOSED

NOTICE:
FULL CLOSURE ON SWIFT ST/PONTIAC TR BETWEEN BROADWAY ST AND MOREE ST
DETOUR: WB PONTIAC TR/SWIFT ST ONE-WAY TRAFFIC TO BE DETOURED TO PONTIAC
TR TO BARTON DR TO FLYMOUTH RD

LEGEND

T
Temporary Traffic Sign
B
Barricade
W
Work Zone
C
Closed Route
STAGE 1A — MUST BE USED IN CONJUNCTION WITH STAGE 1.

NOT FULL CLOSURE ON BROADWAY ST AT SWIFT ST INTERSECTION.

DETOUR:
- NORTHBOUND BROADWAY ST - DIVISION ST TO HURON ST.
- TO FULLER RD TO MAIDEN LN TO BROADWAY ST.
- SOUTHBOUND BROADWAY ST - MAIDEN LN TO FULLER RD TO HURON ST TO MAIN ST TO BEAKES ST.
STAGE 2
MULTI-FULL CLOSURE ON SWIFT ST/WRIGHT ST BETWEEN LONDSHORE AND PONTIAC, AND WRIGHT ST NORTH OF KELLOGG ST
DETOUR: TWO-WAY TRAFFIC TO BE DETOURED TO PORTIONS OF SWIFT ST, MOORE ST, AND PONTIAC TR

NOTES:
1. CONSTRUCTION, WORKING, AND WORKERS SHOULDN'T BE PERMITTED ACCORDING TO WORK ZONES ON THE WORK PLANS. WORKER TRAFFIC濟EASEMENT ABLE TO ACCESS NEIGHBORING PROPERTIES OR ACCESS TO THE WORK ZONE SHOULD BE İşte IN A MANNER SHOWN ON THE WORK PLANS.
2. TRAFFIC SHOULDN'T BE PERMITTED ACCORDING TO WORK ZONES SHOWN ON THE WORK PLANS. WORKER TRAFFIC SHOULDN'T BE PERMITTED ACCORDING TO WORK PLANS. WORKER TRAFFIC SHOULDN'T BE PERMITTED ACCORDING TO WORK PLANS.
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5. WORKER TRAFFIC SHOULDN'T BE PERMITTED ACCORDING TO WORK ZONES SHOWN ON THE WORK PLANS.
PLAN:

CUSTOM

CALL BEFORE YOU DUG

N N A F 4 2 8 1 D E D N U O 1

POONTIC, SWIFT, MOORE, & WRIGHT INFRASTRUCTURE IMPROVEMENTS

MAINTENANCE OF TRAFFIC - STAGE 3

DETOUR AHEAD

ROAD CLOSED

 legend

T

INTRA temporary traffic sign

COURSE type & high intensity

work zone

DETOUR route

NOTES:
1. CONSTRUCTION, MAPPING, DESCRIPTION, AND GUIDE SIGNS SHOWN ARE FOR REFERENCE ONLY AND MAY NOT REPRESENT THE ACTUAL LOCATION OF THE WORK.
2. TRAFFIC CONTROL DEVICES WILL BE INSTALLED ACCORDING TO MICHIGAN HIGHWAY CONSTRUCTION WORK GUIDE, 12TH EDITION OF 2012, OF THE MICHIGAN DEPARTMENT OF TRANSPORTATION.
3. TRAFFIC CONTROL DEVICES TO BE PLACED ACCORDING TO THE CITY OF ANN ARBOR REGULATIONS.
4. ENTRY TO LOCAL ROADWAYS/PARKWAYS.
5. SIGNS AND MAPPING REQUIREMENTS ARE SHOWN FOR REFERENCE ONLY AND MAY ALSO BE REQUIRED OR AS REQUESTED BY ATOMIC ENGINEERING COMPANY SMALL CONSTRUCTION WORK WITH THE CITY

STAGE 3

MOT: FULL CLOSURE ON MOORE ST FROM PLYMOUTH RD TO PONTIAC TR

DETOUR: NB MOORE ST ONE-WAY TRAFFIC TO BE DETOUR TO PLYMOUTH RD TO BARTON DR TO PONTIAC TR

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
NOTE: MAY ONLY BE USED ON ROADWAY WITH POSTED SPEED OF 45 MPH OR LESS.
TEMPORARY CURB RAMP
PARALLEL TO CURB

TEMPORARY CURB RAMP
PERPENDICULAR TO CURB

SPECIFIC NOTES
1. CURB RAMPS SHALL BE 48" WIDE, 90° SHANK WITH A FEMALE, STEEL AND GAP RESISTANT SURFACE.
2. PROTECTIVE EDGING WITH A 3.5" MIN. HEIGHT ABOVE THE RAMPS SHALL BE PLACED AT A DISTANCE OF 1" ON TOP AND 1" ON THE BACKSIDE OF THE RAMP. THE PROTECTIVE EDGING CAN BE PLACED ON THE CURB OR ON A CURB EXTENSION. THE EDGING SHALL BE A SOFT MATERIAL OR CUSHIONED EDGING.
3. CURB RAMPS AND LANDINGS SHALL HAVE A 2% MAX. CROSS SLOPE.
4. THE CURB RAMPS AND LANDINGS SHALL BE MARKED WITH A CONTRASTING COLOR, 2" TO 4" WORK SPACING. THE WORK SPACING MUST BE WARNED 3" TO 5".
5. WATER FLOW IN OR OTHER SYSTEMS SHALL NOT BE IMPAIRED.
6. LEADING EDGES OR CURB BETWEEN SURFACES SHALL BE SHOWN WITH 3/4" HORIZONTAL.
7. CHAMBERS BETWEEN SURFACES HEIGHT SHALL NOT EXCEED 1/2". LEADING EDGES SHOULD BE VERTICAL UP TO 1/2" HORIZONTAL AND BURIED AT A 2 BETWEEN 1/4" AND 1/2" HORIZONTAL.
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PONTIAC, SWIFT, MOORE, & WRIGHT INFRASTRUCTURE IMPROVEMENTS
3 MIN PEDESTRIAN DETAILS 3