News from the

City of Saginaw

For Immediate Release

Beth London, PE (989) 759-1410
Deputy Director of Public Services
Saginaw, Michigan
Tuesday, July 16, 2019

PUBLIC MEETING

WICKS PARKS CONVERSION
TO NON-MOTORIZED MULTI-USE PATHWAY

WEDNESDAY, JULY 24, 2019
4:00 - 6:00 PM

CITY HALL, COUNCIL CHAMBERS, RM 205
1315 S WASHINGTON AVE, SAGINAW MI 48601

Please be advised the City of Saginaw is holding a public meeting, July 24th, 2019 in City Hall Council Chambers, 1315 S Washington Ave, Rm 205, from 4:00 - 6:00 pm to discuss the conversion of Wicks Park Drive to a non-motorized multi-use pathway. Individuals interested in learning details about this project, or providing comments and input are asked to attend. Project engineers, planners, and City personnel will be available to answer questions and discuss the project.

This project includes the conversion of Wickes Park Drive to a multi-use pathway between the boat launch on the south end and the parking lot on the north end, construction of a multi-use pathway between East Street (M-13) and the boat launch, and the installation of lighting. Construction is proposed for late 2020 or early 2021. Preliminary plans and an aerial plan for the project are available for viewing on the City’s website.

With advance notice of 24 hours, accommodations can be made for persons with disabilities and/or limited speaking ability, and persons needing auxiliary aids or services, interpreters, signers, readers or large print. If you have any questions or concerns, or would like to request accommodations, please contact the main engineering office at (989) 759-1410.
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CITY HALL, COUNCIL CHAMBERS, RM 205
1315 S WASHINGTON AVE, SAGINAW MI 48601

Preliminary plans
Aerials Only
20 sheets to Follow
EAST ST (M-13)

SECTION 2
T11N, R4E
CITY OF SAGINAW

EAST ST (M-13)

MATCHLINE
STA 6+00

MATCHLINE
STA 1+00

QUANTITIES - THIS SHEET
EXIST C/L ROAD

WICKES PARK DR

SECTION 2
T11N, R4E
CITY OF SAGINAW

EAST ST (M-13)

EXIST C/L ROAD

WICKES PARK SHARED USE PATH

PROPOSED SHARED USE PATH

PROPOSED NEW EDGE OF PAVEMENT

CAUTION - CRITICAL UTILITY
HAZARDOUS OR FLAMMABLE MATERIAL

PROPOSED NEW EDGE OF PAVEMENT

CAUTION - CRITICAL UTILITY
HAZARDOUS OR FLAMMABLE MATERIAL

CAUTION - CRITICAL UTILITY
HAZARDOUS OR FLAMMABLE MATERIAL

CAUTION - CRITICAL UTILITY
HAZARDOUS OR FLAMMABLE MATERIAL

MATCH LINE
STA 1+00

MATCH LINE
STA 6+00

CAUTION - CRITICAL UTILITY
HAZARDOUS OR FLAMMABLE MATERIAL

CAUTION - CRITICAL UTILITY
HAZARDOUS OR FLAMMABLE MATERIAL

CAUTION - CRITICAL UTILITY
HAZARDOUS OR FLAMMABLE MATERIAL

CAUTION - CRITICAL UTILITY
HAZARDOUS OR FLAMMABLE MATERIAL

MATCH LINE
STA 1+00

MATCH LINE
STA 6+00

PROPOSED SHARED USE PATH

MATCH LINE
STA 1+00

MATCH LINE
STA 6+00

REMOVAL & CONSTRUCTION
WICKES PARK SHARED USE PATH
STA 1+00 (POB) TO STA 6+00

1 Ea Dr Structure, Rem
11 Ft Sewer, Rem, Less than 24 inch
50 Ft Curb and Gutter, Rem
11 Cft Embankment, CIP
32 Cft Excavation, Earth
23 Syd Aggregate Base, 3 inch, Modified
15 Syd Aggregate Base, 4 inch, Modified
16 Syd Aggregate Base, 6 inch, Modified
1 Ea Sewer Tap, 12 inch
1 Ea Dr Structure Cover, Type K
1 Ea Dr Structure, 24 inch dia, Modified
471 Syd HMA Surface, Rem
2 Ton Hand Patching
4 Ton HMA Approach
67 Ft Curb and Gutter, Cem, Cat F4
550 Ft Shared use Park, Grading
71 Ton Shared use Park, HMA
642 Syd Shared use Park, Aggregate, 6 inch
2 Ea Sign, Type III, Rem
3 Ea Light Bar Arm, 6 foot
3 Ea Wood Poles, CH, 35 foot
475 Ft Cable, P/L, PVC, 3, 30 AE
3 Ea Luminaire, MT Watt

125195SG2017
JUNE, 2019

HAZARDOUS OR FLAMMABLE MATERIAL

HAZARDOUS OR FLAMMABLE MATERIAL

HAZARDOUS OR FLAMMABLE MATERIAL

HAZARDOUS OR FLAMMABLE MATERIAL

HAZARDOUS OR FLAMMABLE MATERIAL

HAZARDOUS OR FLAMMABLE MATERIAL

HAZARDOUS OR FLAMMABLE MATERIAL
SECTION 2
T11N, R4E
CITY OF SAGINAW

EXIST C/L ROAD
WICKES PARK DR
HMA

MATCH LINE
STA 31+00

PROPOSED SHARED USE PATH
WICKES PARK DR
HMA

MATCH LINE
STA 35+00

MATCH LINE
STA 31+00

MATCH LINE
STA 35+00

CAUTION - CRITICAL UTILITY

CAUTION - CRITICAL UTILITY

CAUTION - CRITICAL UTILITY

CAUTION - CRITICAL UTILITY

SECTION 2
T11N, R4E
CITY OF SAGINAW

EXIST C/L ROAD
WICKES PARK DR
HMA

MATCH LINE
STA 31+00

PROPOSED SHARED USE PATH
WICKES PARK DR
HMA

MATCH LINE
STA 35+00

MATCH LINE
STA 31+00

MATCH LINE
STA 35+00

CAUTION - CRITICAL UTILITY

CAUTION - CRITICAL UTILITY

CAUTION - CRITICAL UTILITY

CAUTION - CRITICAL UTILITY

SECTION 2
T11N, R4E
CITY OF SAGINAW

EXIST C/L ROAD
WICKES PARK DR
HMA

MATCH LINE
STA 31+00

PROPOSED SHARED USE PATH
WICKES PARK DR
HMA

MATCH LINE
STA 35+00

MATCH LINE
STA 31+00

MATCH LINE
STA 35+00

CAUTION - CRITICAL UTILITY

CAUTION - CRITICAL UTILITY

CAUTION - CRITICAL UTILITY

CAUTION - CRITICAL UTILITY

SECTION 2
T11N, R4E
CITY OF SAGINAW
SECTION 35
T12N, R4E
CITY OF SAGINAW

EXIST C/L ROAD
WICKES PARK DR
HMA

MATCH LINE
STA 55+00
MATCH LINE
STA 60+00

CAUTION - CRITICAL UTILITY

MATCH LINE
STA 55+00
MATCH LINE
STA 60+00

CAUTION - CRITICAL UTILITY

MATCH LINE
STA 55+00
MATCH LINE
STA 60+00

CAUTION - CRITICAL UTILITY

QUANTITIES - THIS SHEET

1800 Sqf. HMA Surface, Rem
500 Ft. Shared Use Path, Grading
612 Sqf. Shared Use Path, Aggregate, 6 inch
2 Ea. Sign, Type III, Rem
4 Ea. Light Std Arm, 6 foot
4 Ea. Wood Pole, Cl 4, 35 foot
575 Ft. Cable, P.J., 600V, 1, 2/C #6
4 Ea. Luminaire, 97 Watt
SECTION 35
T12N, R4E
CITY OF SAGINAW

EXIST C/L ROAD
WICKES PARK DR

MATCH LINE
STA 75+00

MATCH LINE
STA 76+00

MATCH LINE
STA 77+00

MATCH LINE
STA 78+00

MATCH LINE
STA 79+00

MATCH LINE
STA 80+00

PARKING
NO
AT ANY
TIME
Sign, Type III, Rem
Remove Support

CAUTION - CRITICAL
UTILITY

MATCH LINE
STA 75+50

MATCH LINE
STA 77+00

MATCH LINE
STA 78+50

MATCH LINE
STA 80+00

MATCH LINE
STA 80+00

REMOVAL & CONSTRUCTION
STA 75+00 TO STA 80+00

QUANTITIES - THIS SHEET

1500
Syd
PARK Surface, Rem

500
Fl
Shared use Path, Grading

70
Ton
Shared use Path, HMA

612
Syd
Shared use Path, Aggregate, Grind

4
Ex
Sign, Type H, Rem

4
Ex
Light Std Arm, 6 foot

4
Ex
Wood Pole, Cl 4, 35 foot

575
Ft
Cable, P.J., 600V, 1, 2/C #6

4
Ex
Luminaire, 97 Watt
News from the

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PUBLIC MEETING

WICKS PARKS CONVERSION
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WEDNESDAY, JULY 24, 2019
4:00 - 6:00 PM

CITY HALL, COUNCIL CHAMBERS, RM 205
1315 S WASHINGTON AVE, SAGINAW MI 48601

Preliminary plans
51 sheets to Follow
THESE PLANS WERE PREPARED FOR THE CITY OF SAGINAW BY

MICHAEL G NIEDERQUELL, P.E.
REGISTRATION NO.

DATE

PHIL KARWAT, P.E., DIRECTOR OF PUBLIC SERVICES

DATE

BETH LONDON, P.E., CITY ENGINEER

DATE

WHERE THE FOLLOWING ITEMS ARE CALLED FOR ON PLANS. THEY ARE TO BE CONSTRUCTED ACCORDING TO THE MDOT STANDARD PLAN GIVEN BELOW OPPOSITE EACH ITEM UNLESS OTHERWISE INDICATED.

DRAINAGE STRUCTURES
R-1-G*
COVER B
R-3-F
MONUMENT BOXES
R-11-E
COVER K
R-15-F
COVER Q
R-18-F
SIDEWALK RAMP AND DETECTABLE WARNING DETAILS
R-28-J*
EQUIPMENT OPENINGS & APPROACHES AND CONCRETE SIDEWALKS
R-29-I
CONCRETE CURB AND CONCRETE CURB & GUTTER
R-30-G
BUMPER & PARKING RAILS AND MISC. WOOD POSTS
R-74-D
GRANULAR BLANKET, UNDERDRAINS, OUTLET ENDINGS FOR UNDERDRAINS, AND DRAINAGE INLET BASES
R-80-E
BEDDING AND FILLING AROUND PIPE CULVERT
R-82-D
UTILITY TRENCHES
R-83-C
PRECAST CONCRETE END SECTION FOR PIPE CULVERT
R-86-E
STEEL END SECTION
R-88-D
CULVERT SLOPED END SECTION
R-95-F
SOIL EROSION & SEDIMENTATION CONTROL MEASURES
R-96-E
SEEDING AND TREE PLANTING
R-100-H

WHERE THE FOLLOWING ITEMS ARE CALLED FOR ON PLANS. THEY ARE TO BE CONSTRUCTED ACCORDING TO THE MDOT STANDARD PLAN GIVEN BELOW OPPOSITE EACH ITEM UNLESS OTHERWISE INDICATED.

PAVEMENT ARROW AND MESSAGE DETAILS
PAVE-900-F
LONGITUDINAL LINE TYPES AND PLACEMENT
PAVE-905-D
PAVEMENT MARKING FOR INTERSECTIONS
PAVE-930-C
LEFT TURN LANE MARKINGS
PAVE-935-D
INTERSECTION, STOP BAR, AND CROSSWALK MARKINGS
PAVE-945-C
SHARED LANE (SHARROW) MARKING
PAVE-961-B
ROADSIDE SIGN LOCATIONS AND SUPPORT SPACING
WZD-125-E*
STEEL POSTS
WZD-130-A*
GROUND DRAIN BOX SUPPORTS FOR TEMP BOXES
WZD-150-C
TEMPORARY TRAFFIC CONTROL DEVICES
WZD-155-E

*SPECIAL DETAILS

PROPOSED PROJECT

PROPOSED DETOUR ROUTE

EXISTING ROADS


THE TRAFFIC DATA SHOWN ON THESE SHEETS IS AVERAGE DAILY TRAFFIC (ADT) FOR 2019. THE ADT FOR 2039 IS PREDICTED IN THE FUTURE ADT STUDY REPORT.

PROJECT NOTES

1. All joints between proposed pavement and existing pavement shall be built joints constructed prior to placement of top course material. These joints shall be made by saw cutting the pavement surface and removing the layer of asphalt. This work shall be performed for saw cutters.

2. Concrete mix: All concrete shall be 3500 PSI, six sack mix, grade P1 or P-NC.

3. All expansion joints shall be adjusted to final grade by the utility company. The contractor shall work around these structures so as to provide uninterrupted access to the utility.

4. Lighted Arrow: Type C must be solar powered.

5. For all sewer connections to existing sewer, the joint shall be clean, wrapped with duct tape, and sealed with mortar, as directed by the engineer. This work will be considered as part of the work of installing the new sewer pipe.

6. Replacement of pavement around all adjusted structures shall be done with concrete grade S4 at full depth of pavement. As directed by the engineer, pay-to-the-work shall be included in the pay-for-structure cover.

7. All utility structures shall be delivered to the city sewer shop. The cost to remove and return structure castings to the city sewer shop shall be included as part of or structure cover, type "X".

8. The contractor shall take all necessary precautions to protect existing curbs in areas not called out for replacement. If existing curbs are damaged during construction, the contractor is responsible to repair the same.

9. The contractor shall take all necessary precautions to protect existing catch basins in areas not called out for replacement.

10. In order to construct catch basins and drainage construction by contractor, responsibility to repair the same shall be determined by the engineer. This work will be considered as part of the work of installing the new sewer pipe.

11. Construction staking shall be provided by the owner. Contractor must give owner 48 hours (two business days) advance notice for construction staking requests. Area to be staked must be reasonably cleaned before staking can be provided.

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14. Expansion joints and control joints are to be installed per typical details and most standards and sealed with an approved sealant, as directed by the engineer.

15. The contractor shall expose all existing utility connection points prior to construction of proposed utilities and report any discrepancies to the engineer. The contractor shall verify the depth and horizontal location of all existing utilities by hand digging and notify the contractor in writing of any problems encountered. All labor required to uncover the existing utilities shall be considered included in the labor fees of utility installed. The contractor shall arrange for the various utilities to locate, remove, and replace, as instructed by the engineer in accordance with the respective utility companies' policy. All cost shall be inclusive of the work.

16. The contractor shall maintain all existing sanitary sewer, water or storm sewer service connections in service throughout the construction period. The contractor shall provide or arrange for temporary support of gas main, communication ducts, and utility poles where needed. All storm sewer damaged, removed or relocated by the contractor shall be replaced with the same size and quality pipe by the contractor at no additional cost to the project. All utilities undermined by the excavation shall have crushed stone 6A placed under them.

17. Public utility information is delineated in accordance with locations provided by utility owners. Location of existing utilities, as shown on plans, is "information only." Actual location shall be field located by the contractor. Offering field conditions shall be brought to the attention of the engineer.

18. Construction staking shall be provided by the owner. Contractor must give owner 48 hours (two business days) advance notice for construction staking requests. Area to be staked must be reasonably cleaned before staking can be provided.

19. The contractor shall take care in removing and salvaging all hydrants, traffic signal, and traffic signal, lights, upon removal. The contractor shall coordinate with the city engineer the salvage of the salvaged trees to the city of Saginaw. These removed items shall be included in the cost for removal of each respective item.

20. Where the proposed excavation requires that a pole or guy be supported or temporarily relocated, the contractor shall make arrangements with the appropriate utility to have the pole or guy supported or relocated. If the contractor supports the pole or relocates the utility girder, the method used shall meet the approval of the appropriate utility.

21. Small branches, limbs, and other debris shall be removed from the area by the contractor and disposed of properly. If the landowner does not want the wood from the trees, all wood including branches, limbs, and other debris shall be removed from the area by the contractor and disposed of properly. At no additional cost to the owner.

22. The contractor shall contact the engineer prior to placing any base material. In order that the underlying layer may be modified, any material found to be unsuitable will be removed. Excavation of unsuitable subsurface material shall be replaced with suitable material, as directed by the engineer. All replacement material shall be approved by the engineer at the source prior to being considered for use.

23. The contractor shall excavate ahead of the proposed utility installation to expose any existing buried lines. If existing utility grades conflict with the proposed utility grade, the proposed utility grade may be adjusted slightly by the engineer, if necessary, to miss the existing utility.

UTILITY CONTACTS

<table>
<thead>
<tr>
<th>Utility</th>
<th>Address</th>
<th>Phone</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONSUMERS ENERGY</td>
<td>Saginaw, MI 48601</td>
<td>(989) 732-5262</td>
<td><a href="mailto:info@saginaw-energy.com">info@saginaw-energy.com</a></td>
</tr>
<tr>
<td>CONSUMERS ENERGY</td>
<td>Saginaw, MI 48602</td>
<td>(989) 732-5382</td>
<td><a href="mailto:energy@saginaw-energy.com">energy@saginaw-energy.com</a></td>
</tr>
<tr>
<td>ATT</td>
<td>Saginaw, MI 48607</td>
<td>(989) 776-4031</td>
<td><a href="mailto:enquire@saginaw.com">enquire@saginaw.com</a></td>
</tr>
<tr>
<td>WINDSTREAM CORP.</td>
<td>Saginaw, MI 48602</td>
<td>(989) 759-1614</td>
<td><a href="mailto:mail@windstream.com">mail@windstream.com</a></td>
</tr>
<tr>
<td>ATT</td>
<td>Saginaw, MI 48601</td>
<td>(989) 759-1413</td>
<td><a href="mailto:mail@windstream.com">mail@windstream.com</a></td>
</tr>
<tr>
<td>CHARTER COMMUNICATIONS</td>
<td>Saginaw, MI 48601</td>
<td>(989) 759-1682</td>
<td><a href="mailto:mail@windstream.com">mail@windstream.com</a></td>
</tr>
</tbody>
</table>

NOTES SHEET

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**Turf Establishment, Performance (Typ)**

- Embankment, CIP (Typ)
  - 1:1 (Typ)
  - 0.5' (Typ)
  - 1.5%

- Erosion Control, CIP (Typ)
  - Included in Shared Use Path, Grading

**Existing Typical Cross Section**

STA 2+80 to STA 3+41

- HMA Surface, Rem
  - 30.0'
  - STA 2+60 to STA 34+91
  - STA 35+38 to STA 98+96 (POE)

**Proposed Typical Cross Section**

STA 1+00 (POB) to STA 34+91

- Shared Use Path, Aggregate, 6 Inch
  - 2' Clear (Min)

**Shared Use Path HMA Application Estimate**

- Turf Establishment, Performance (Typ)
  - 1.5% (Typ)

**Path Through Conc/HMA Driveway Approach Detail**

**Typical Cross Section**

Wickes Park Shared Use Path
SECTION 35
T12N, R4E
CITY OF SAGINAW

EXIST C/L ROAD

MATCH LINE
STA 45+00

MATCH LINE
STA 50+00

CAUTION - CRITICAL
UTILITY

WICKES PARK DR

MATCH LINE
STA 45+00

MATCH LINE
STA 50+00

QUANTITIES - THIS SHEET

- Caution - Critical Utility
- Match Line

REMOVAL & CONSTRUCTION
STA 45+00 TO STA 50+00

- WICKES PARK SHARED USE PATH
- REMOVE & CONSTRUCTION

- STA 45+00
- STA 50+00

- SECTION 35
- T12N, R4E
- CITY OF SAGINAW

- Sign, Type III, Rem
- Remove Support

- Guard Post, Rem
- 1872
- Ea
- 500
- Ft
- Shared use Path, Grading
- 70
- Ea
- Shared use Path, HMA
- 612
- Ea
- Shared use Path, Aggregate, 6 inch
- 1
- Ea
- Sign, Type III, Rem
- 3
- Ea
- Light Std Arm, 6 foot
- 97
- Wt
- Luminaire, 97 Watt
- 3
- Ea
- Cable, P.J., 600V, 1, 2/C #6
- 1
- Ea
- Wood Pole, CL 4, 35 foot
- 3
- Ea
- Lumber, 0.75" Wood
WICKES PARK SHARED USE PATH
STA 70+00 TO STA 75+00
SECTION 35
T12N, R4E
CITY OF SAGINAW

REMOVAL & CONSTRUCTION
STA 85+00 TO STA 90+00

WICKES PARK SHARED USE PATH

EXIST C/L ROAD
WICKES PARK DR

HMA

MATCH LINE
STA 85+00

MATCH LINE
STA 90+00

MATCH LINE
STA 85+00

MATCH LINE
STA 90+00

PROP SHARED USE PATH

ON PARKING PAVEMENT
ONLY
Sign, Type III, Rem

ON PARKING PAVEMENT
ONLY
Sign, Type III, Rem

LT-57
STA 86+00

LT-58
STA 87+50

SERVICE D
MAIN DISCONNECT

LT-59
STA 89+00

CAUTION - CRITICAL
UTILITY

CAUTION - CRITICAL
UTILITY

CAUTION - CRITICAL
UTILITY

CAUTION - CRITICAL
UTILITY

HMA Surface, Rem
500
Ft
Shared Use Path, Grading

612
Syd
Shared Use Path, Aggregate, 6 inch

2
Ea
Sign, Type III, Rem

3
Ea
Light Std Arm, 6 foot

3
Ea
Wood Pole, Cl 4, 35 foot

550
Ft
Cable, P.J., 600V, 1, 2/C #6

3
Ea
Luminaire, 97 Watt

1
Ea
Serv Disconnect

QUANTITIES - THIS SHEET

REMOVAL & CONSTRUCTION
STA 85+00 TO STA 90+00

JUNE, 2019

125195SG2017

43
SECTION 35
T12N, R4E
CITY OF SAGINAW

EXIST C/L ROAD
WICKES PARK DR

MATCH LINE
STA 90+00

MATCH LINE
STA 95+00

WICKES PARK DR

MATCH LINE
STA 90+00

MATCH LINE
STA 95+00

QUANTITIES, THIS SHEET

1820  Syf  HMA Surface, Rem
530   Ft  Shared use Path, Grading
70    Tae  Shared use Path, HMA
610  Syf  Shared use Path, Aggregate, 6 inch
3    Ea  Sign Type II, Rem
4    Ea  Light Std Arm, 6 foot
4    Ea  Wood Pole, Cl 4, 35 foot
475   Ft  Cable, P.J., 600V, 1, 2/C #6
4    Ea  Luminaire, 97 Watt

QUANTITIES TOTAL

362  Ea  Guard Post, Rem
500     Ft  HMA Surface, Rem
70    Tae  Shared use Path, Grading
70    Tae  Shared use Path, HMA
420  Syf  Shared use Path, Aggregate, 6 inch
3    Ea  Sign Type II, Rem
4    Ea  Light Std Arm, 6 foot
4    Ea  Wood Pole, Cl 4, 35 foot
575   Ft  Cable, P.J., 600V, 1, 2/C #6
4    Ea  Luminaire, 97 Watt

CAUTION - CRITICAL UTILITY

LT-60  STA 90+50
LT-61  STA 92+00
LT-62  STA 93+50
LT-63  STA 95+00

CAUTION - CRITICAL UTILITY

10' (TYP)

12.5' (TYP)

QUIT
JUNE, 2019

45
# ELECTRICAL DETAILS

## WICKES PARK SHARED USE PATH

**49125195SG2017**

**JUNE, 2019**

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**#6/2 OVERHEAD, ALUMINUM SHEPHERD CABLE**

**TO NEXT LUMINAIRE**

**LED COBRA HEAD LUMINAIRE, CONSUMERS ENERGY STANDARD FIXTURE**

**TO NEXT LUMINAIRE**

**PE NEMA TWIST-LOCK PHOTOCELL**

**60A, NEMA 3R SERVICE RATED DISCONNECT SWITCH**

**UTILITY SERVICE 120/240 V, 1 Ø (UNMETERED)**

**SERVICE A: LIGHTS 1 THRU 17**

**SERVICE B: LIGHTS 18 THRU 32**

**SERVICE C: LIGHTS 33 THRU 47**

**SERVICE D: LIGHTS 48 THRU 65**

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**NOTES**

1. MOUNTING HEIGHT OF SERVICE DISCONNECT SWITCHES SHALL COMPLY WITH CONSUMERS ENERGY STANDARDS AND REQUIREMENTS.

2. CONTRACTOR SHALL COORDINATE SERVICE AND LUMINAIRE INSTALLATIONS WITH CONSUMERS ENERGY.

3. ALL LUMINAIRES, CABLE, DISCONNECT SWITCHES AND ACCESSORIES SHALL BE STANDARD PRODUCTS AS APPROVED BY CONSUMERS ENERGY.

4. POLE HEIGHT NOTED ABOVE GRADE. INSTALLER SHALL PROVIDE ADEQUATE POLE FOR DIRECT BURIAL.

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**STREETLIGHT BRACKET GROUNDING PER CONSUMERS ENERGY STANDARDS AND REQUIREMENTS SECTION 42-105**

**SCALE: N/A**

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**TYPICAL CIRCUIT DIAGRAM FOR ROADWAY LIGHTING**

**SCALE: N/A**

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**GENERAL NOTES**

1. LUMINAIRE WIRING AND GROUNDING SHALL COMPLY WITH NEC AND CONSUMERS ENERGY STANDARDS AND REQUIREMENTS.
<table>
<thead>
<tr>
<th>ITEM</th>
<th>ITEM DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>190001</td>
<td>Work Inventory, Misc</td>
</tr>
<tr>
<td>200004</td>
<td>Tree, Bem, Gr. to 18 In</td>
</tr>
<tr>
<td>200005</td>
<td>Dr Structure, Rem</td>
</tr>
<tr>
<td>200011</td>
<td>Sewer, Bem, Less Than 24 In</td>
</tr>
<tr>
<td>200012</td>
<td>Curb and Gutter, Bem</td>
</tr>
<tr>
<td>200013</td>
<td>Miterbox and Core Structure, Bem</td>
</tr>
<tr>
<td>200014</td>
<td>Guardrail, Rem</td>
</tr>
<tr>
<td>200015</td>
<td>Fences, Rem</td>
</tr>
<tr>
<td>200016</td>
<td>Roadway, Rem</td>
</tr>
<tr>
<td>200017</td>
<td>Aggregate Base, 3 1/2 In, Mod/Soil</td>
</tr>
<tr>
<td>200018</td>
<td>Aggregate Base, 6 In, Mod/Soil</td>
</tr>
<tr>
<td>400001</td>
<td>Cale End Set, 12 In</td>
</tr>
<tr>
<td>400003</td>
<td>Sewer, C/A, 12 In, Dr Set B</td>
</tr>
<tr>
<td>400004</td>
<td>Sewer Taps, 12 In</td>
</tr>
<tr>
<td>400005</td>
<td>Dr Structure Cover, Type A</td>
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<tr>
<td>400006</td>
<td>Dr Structure, 24 Inch, Mod/Soil</td>
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<tr>
<td>400007</td>
<td>Dr Structure Cover, Type R</td>
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<tr>
<td>5000001</td>
<td>Headwall, Rem</td>
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<tr>
<td>5000012</td>
<td>Hand Patching</td>
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<tr>
<td>5000013</td>
<td>Hand Apparatus</td>
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<tr>
<td>5000015</td>
<td>Curb and Gutter, Con, Det F4</td>
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<tr>
<td>5000019</td>
<td>Drum Barriers, Medium &amp; Long</td>
</tr>
<tr>
<td>5000020</td>
<td>Sidewalk Ramp, Cords, 6 In</td>
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<tr>
<td>5000030</td>
<td>Shared Use Path, Grading</td>
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<tr>
<td>5000040</td>
<td>Shared Use Path, HMA</td>
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<tr>
<td>5000051</td>
<td>Shared Use Path, Aggregate, 6 Inch</td>
</tr>
<tr>
<td>8000001</td>
<td>Paint, Street, 2 lb</td>
</tr>
<tr>
<td>8000042</td>
<td>Sign, Type B, Direct, SoH</td>
</tr>
<tr>
<td>8000043</td>
<td>Sign, Type B, Horn</td>
</tr>
<tr>
<td>8000044</td>
<td>Sign, Type B/A</td>
</tr>
<tr>
<td>8000111</td>
<td>Reflectors, Type I, High Intensity, Double Sided, Lighted, Turn</td>
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<tr>
<td>8000113</td>
<td>Reflectors, Type I, High Intensity, Double Sided, Lighted, Oper</td>
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<tr>
<td>8000140</td>
<td>Lighted Arrow, Type C, Turn</td>
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<tr>
<td>8000154</td>
<td>Lighted Arrow, Type C, Oper</td>
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<tr>
<td>8000170</td>
<td>Metal Stud Fence</td>
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<tr>
<td>8000190</td>
<td>Plastic Drains, High Intensity, Turn</td>
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<td>8000191</td>
<td>Plastic Drains, High Intensity, Oper</td>
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<tr>
<td>8000200</td>
<td>Sign Cover</td>
</tr>
<tr>
<td>8000240</td>
<td>Sign, Type A, Temp, Permanent, Turn</td>
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<td>8000250</td>
<td>Sign, Type A, Temp, Permanent, Oper</td>
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<tr>
<td>8000251</td>
<td>Sign, Type B, Temp, Permanent, Turn</td>
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<td>8000252</td>
<td>Sign, Type B, Temp, Permanent, Oper</td>
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<td>8000256</td>
<td>Toll Relocation Center</td>
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<tr>
<td>8000260</td>
<td>Base Reflectors, Type A</td>
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<tr>
<td>8000265</td>
<td>Light 500 Arm, 6 Foot</td>
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<tr>
<td>8000472</td>
<td>Wood Fence, C/A, 6 foot</td>
</tr>
</tbody>
</table>

**QUANTITIES - WICKES PARK**

**WICKES PARK SHARED USE PATH**

| SHEET 9 | SHEET 11 | SHEET 13 | SHEET 15 | SHEET 17 | SHEET 18 | SHEET 20 | SHEET 22 | SHEET 25 | SHEET 27 | SHEET 29 | SHEET 31 | SHEET 33 | SHEET 35 | SHEET 37 | SHEET 39 | SHEET 41 | SHEET 43 | SHEET 45 | SHEET 47 | QTY | UNIT |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|------|
| 1       | 1       | 1       | 1       | 1       | 1       | 1       | 1       | 1       | 1       | 1       | 1       | 1       | 1       | 1       | 1       | 1       | 1       | 1       | 1     | 1     |

*REQUIRES A SPECIAL PROVISION*