



**WATERMAIN RENEWAL TO BE COMPLETED IN 2018  
BID OPPORTUNITY 134-2018**

**STREET LIGHTING RENEWAL TO BE COMPLETED BY MANITOBA HYDRO**

NOTE:  
These design documents are prepared solely for the use by the party with whom the design professional has entered into a contract and there are no representations of any kind made by the design professional to any party with whom the design professional has not entered into a contract.

| EXISTING | PROPOSED | EXISTING | LEGEND-PLAN          | PROPOSED | EXISTING | LEGEND-PROFILE                   | PROPOSED |
|----------|----------|----------|----------------------|----------|----------|----------------------------------|----------|
| ---      | ---      | ---      | WATER MAIN           | ---      | ---      | SWALE GRADE                      | (31.255) |
| ---      | ---      | ---      | LAND DRAINAGE SEWER  | ---      | ---      | SLOPE                            | 1:1:1    |
| ---      | ---      | ---      | WASTE WATER SEWER    | ---      | ---      | DIRECTION FLOW                   | ---      |
| ---      | ---      | ---      | HYDRO                | ---      | ---      | HYDRO POLE & LIGHT STANDARD      | ---      |
| ---      | ---      | ---      | M.T.S.               | ---      | ---      | LIGHT STANDARD OR TRAFFIC SIGNAL | ---      |
| ---      | ---      | ---      | GAS                  | ---      | ---      | HYDRO POLE                       | ---      |
| ---      | ---      | ---      | SIGNALS              | ---      | ---      | CURB RAMP                        | ---      |
| ---      | ---      | ---      | MANHOLE              | ---      | ---      | DETECTABLE WARNING SURFACE TILE  | ---      |
| ---      | ---      | ---      | CATCH BASIN          | ---      | ---      | EDGE OF SIDEWALK                 | ---      |
| ---      | ---      | ---      | CURB INLET           | ---      | ---      | FENCE                            | ---      |
| ---      | ---      | ---      | UTILITIES ADJUSTED   | ---      | ---      | PROPERTY LINE                    | ---      |
| ---      | ---      | ---      | PLUG                 | ---      | ---      | EDGE OF ASPHALT                  | ---      |
| ---      | ---      | ---      | HYDRANT              | ---      | ---      | EDGE OF CONCRETE                 | ---      |
| ---      | ---      | ---      | VALVE                | ---      | ---      | MODIFIED BARRIER CURB            | ---      |
| ---      | ---      | ---      | CURB STOP            | ---      | ---      | BARRIER CURB                     | ---      |
| ---      | ---      | ---      | GROUND GRADE         | ---      | ---      | CONC SIDEWALK                    | ---      |
| (31.000) | ---      | (31.000) | PAVEMENT GRADE       | ---      | ---      | CONCRETE SLAB                    | ---      |
| ---      | ---      | ---      | ANCHOR               | ---      | ---      | ASPHALT OVERLAY                  | ---      |
| #111     | ---      | ---      | CIVIC ADDRESS        | ---      | ---      | BULLNOSE                         | ---      |
| ---      | ---      | ---      | EXISTING LEGEND-PLAN | ---      | ---      | PROPOSED LEGEND-PLAN             | ---      |

**CROSS SECTION A-A**

**LOCATIONS APPROVED UNDERGROUND STRUCTURES**

| NO. | REVISIONS               | DATE       | BY |
|-----|-------------------------|------------|----|
| H   | -                       | -          | -  |
| G   | -                       | -          | -  |
| F   | -                       | -          | -  |
| E   | -                       | -          | -  |
| D   | ISSUED FOR ADDENDUM 3   | 2018-09-19 | DS |
| C   | ISSUED FOR TENDER       | 2018-09-29 | DS |
| B   | ISSUED FOR UQS REVIEW   | 2018-04-26 | DS |
| A   | ISSUE FOR CLIENT REVIEW | 2018-04-13 | DS |

- NOTES:**
- ALL WORK AND MATERIALS TO BE IN ACCORDANCE WITH THE LATEST REVISION OF THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
  - CONTRACTOR TO CONFIRM THE LOCATION OF ALL UTILITIES/SERVICES IN THE FIELD PRIOR TO CONSTRUCTION.
  - ALL ROADWAY DIMENSIONS SHOWN ARE TO BACK OF CURB.
  - ADD 200.00 TO ABBREVIATED ELEVATIONS TO OBTAIN GEODETIC ELEVATION.
  - PAVEMENT REPAIRS SHOWN ARE ONLY A REPRESENTATIVE APPROXIMATION OF THE TENDERED QUANTITIES.
  - ALL PRIVATE WALKWAYS TO BE ADJUSTED TO NEW SIDEWALK OR TOP OF CURB ELEVATION, AS REQUIRED.
  - MODIFIED BARRIER CURB TO BE CONSTRUCTED AT ALL INTERSECTION RADII AND APPROACH RADII.
  - INSTALL 40MM LIP CURB THROUGH ALL APPROACHES UNLESS OTHERWISE NOTED.
  - CONTRACTORS TO TAKE PRECAUTIONARY STEPS TO PROTECT EXISTING TREES WITHIN THE LIMITS OF CONSTRUCTION FROM DAMAGE FROM CONSTRUCTION ACTIVITIES AS OUTLINED IN THE SPECIFICATIONS.
  - LAMP STANDARDS, HYDRO POLES, AND ANCHORS THAT REQUIRE TEMPORARY SUPPORT, REMOVAL OR REPLACEMENT, TO BE DONE SO AT THE EXPENSE OF THE CONTRACTOR AS NECESSARY.
  - ALL BOULEVARDS TO BE BACKFILLED WITH IMPORTED FILL MATERIAL TOPPED WITH LIMESTONE SURFACING MATERIAL UNLESS OTHERWISE NOTED. LIMITS TO BE IDENTIFIED IN THE FIELD BY THE CONTRACT ADMINISTRATOR.
  - TRAFFIC SERVICES TO PAINT TRAFFIC LINES/LANE MARKINGS (IF REQ'D).
  - CONTRACTOR TO CONFIRM LOCATION AND LIMITS OF SEWER REPAIRS BY PERFORMING VIDEO INSPECTION AND REVIEWING WITH CONTRACT ADMINISTRATOR PRIOR TO CONSTRUCTION.
  - ADJUST ALL WATER VALVES, HYDRANTS, MANHOLES, AND CATCH BASINS IN WORK AREA TO GRADE.
  - INSULATE ALL LONG-WATER SERVICES UNLESS OTHERWISE NOTED.
  - STREET LIGHTING RENEWAL TO BE COMPLETED BY MANITOBA HYDRO.
  - CONTRACTOR TO NOTIFY CONTRACT ADMINISTRATOR AND FOLLOW SOIL MANAGEMENT PLAN IF CONTAMINATED SOIL IS ENCOUNTERED DURING EXCAVATION.

**METRIC**

WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES

**ENGINEERS  
GEOLOGIST  
MANITOBA**

Certificate of Authorization  
WSP Canada Group Limited  
No. 6657

**THE CITY OF WINNIPEG**  
PUBLIC WORKS DEPARTMENT  
ENGINEERING SERVICES DIVISION

**2018/2019 INDUSTRIAL STREETS  
RENEWAL PROGRAM**  
HIGGINS AVENUE - HENRY AVE TO PRINCESS ST  
PAVEMENT RECONSTRUCTION  
STA. 6+40 TO STA. 7+70

CITY DRAWING NUMBER ---  
SHEET 10 OF 12  
BID NO. 85-2018

Date & Time Plotted: Jun/19/2018 at 11:12 am - Plotted By: barucjias  
File & Path: P:\2017\17M-01932-00 - 2018 Industrial Streets\11 WSP Dwg\17M-01932-00 C06-C11 Contract 2 Higgins Ave Plan and Profile.dwg-Current Layout Tab =17M-01932-00-C10