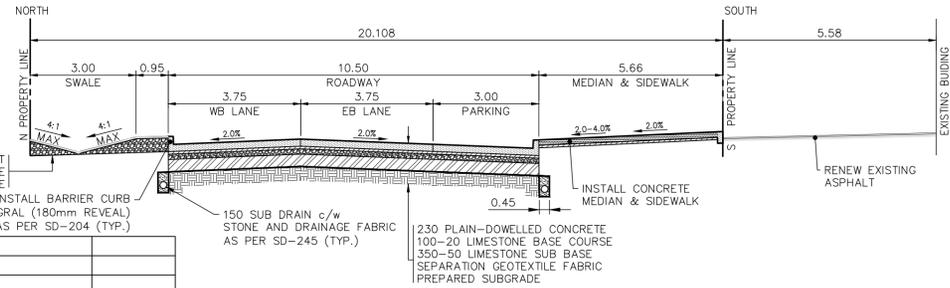


**WATERMAIN RENEWAL TO BE COMPLETED IN 2018  
BID OPPORTUNITY 134-2018**

**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	PROPOSED	LEGEND-PLAN	LEGEND-PROFILE
---	---	---	---	SWALE GRADE (31.255)	
---	---	---	---	LAND DRAINAGE SEWER	
---	---	---	---	WASTE WATER SEWER	
---	---	---	---	HYDRO	
---	---	---	---	M.T.S.	
---	---	---	---	GAS	
---	---	---	---	SIGNALS	
○	○	○	○	MANHOLE	
□	□	□	□	CATCH BASIN	
△	△	△	△	CURB INLET	
---	---	---	---	UTILITIES ADJUSTED	
⌋	⌋	⌋	⌋	PLUG	
◇	◇	◇	◇	HYDRANT	
⊗	⊗	⊗	⊗	VALVE	
⌋	⌋	⌋	⌋	CURB STOP	
---	---	---	---	GROUND GRADE	
(31.000)	(31.000)	(31.000)	(31.000)	PAVEMENT GRADE	
---	---	---	---	ANCHOR	
#111	#111	#111	#111	CIVIC ADDRESS	
---	---	---	---	EXISTING LEGEND-PLAN	
---	---	---	---	PROPOSED LEGEND-PLAN	
---	---	---	---	EXISTING LEGEND-PROFILE	
---	---	---	---	PROPOSED LEGEND-PROFILE	



**CROSS SECTION A-A**  
NTS

**LOCATIONS APPROVED UNDERGROUND STRUCTURES**

SIGNED BY: \_\_\_\_\_ DATE: \_\_\_\_\_

LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING

NO.	REVISIONS	DATE	BY
A	ISSUED FOR TENDER	2018-02-29	DS
B	ISSUED FOR UGS REVIEW	2018-04-26	DS
C	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.
  - 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  
GEOSCIENTIST  
MANITOBA**

Certificate of Authorization  
**WSP Canada Group Limited**  
No. 6657

**wsp**

DESIGNED BY: DS  
CHECKED BY: TP

DRAWN BY: SB  
APPROVED BY: VM

HOR SCALE: 1:250  
VERTICAL: 1:25

ISSUED FOR TENDER: 2018-02-29  
ISSUED FOR UGS REVIEW: 2018-04-26  
ISSUE FOR CLIENT REVIEW: 2018-04-13

NO. REVISIONS: \_\_\_\_\_ DATE: \_\_\_\_\_ BY: \_\_\_\_\_

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ENGINEER'S SEAL  
V.M. MAROTI  
Member 30809  
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT ACAD DWG. NO.  
17M-01932-00-C09

**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. 4+95 TO STA. 6+40

CITY DRAWING NUMBER: \_\_\_\_\_  
SHEET 09 OF 12  
BID NO. 85-2018