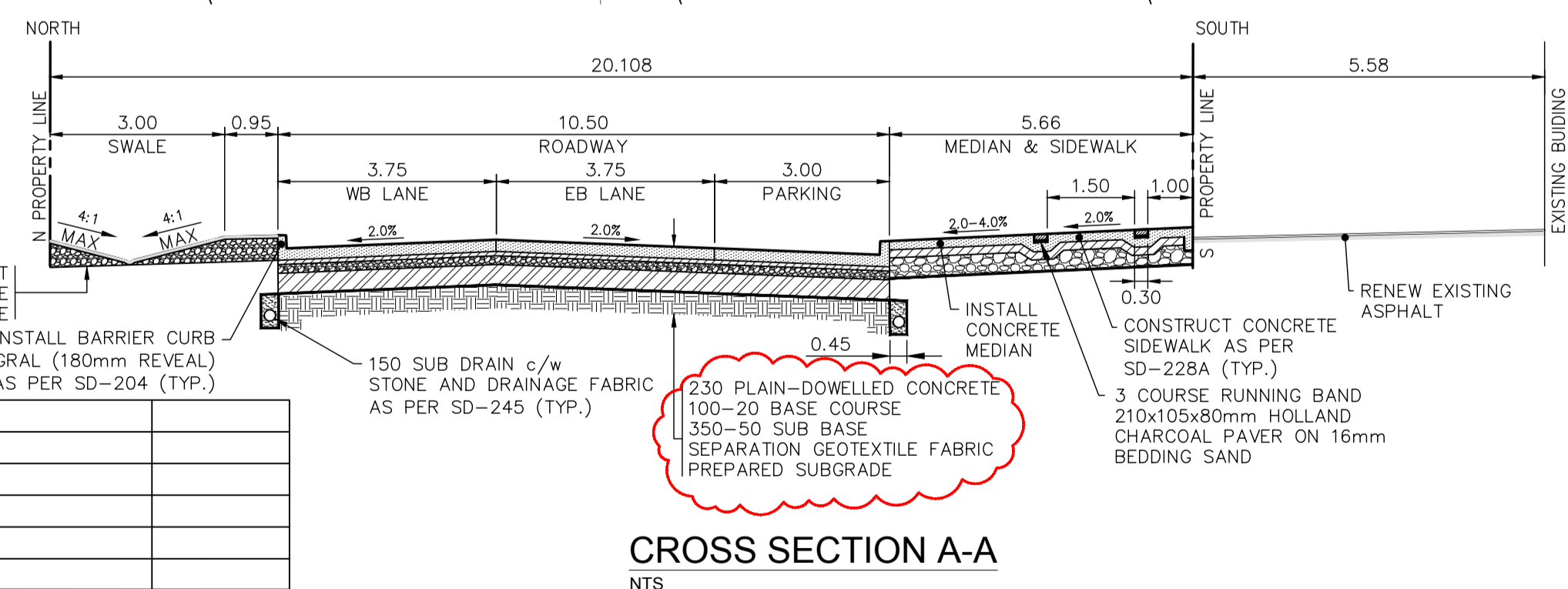


**WATERMAIN RENEWAL TO BE COMPLETED IN 2018
BID OPPORTUNITY 134-2018**

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)
---	---	---	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	○	○	○	NORTH PROPERTY LINE
○	○	○	VALVE	○	○	○	SOUTH PROPERTY LINE
○	○	○	CURB STOP	○	○	○	NORTH SIDEWALK
○	○	○	GROUND GRADE	○	○	○	SOUTH SIDEWALK
○	○	○	PAVEMENT GRADE (31.000)	○	○	○	ROADWAY CENTRELINE
○	○	○	ANCHOR	○	○	○	NORTH GUTTER
○	○	○	CIVIC ADDRESS	○	○	○	SOUTH GUTTER
○	○	○	LEGEND-PLAN	○	○	○	NORTH SWALE
○	○	○	PROPOSED	○	○	○	LEGEND-PROFILE
○	○	○	EXISTING	○	○	○	PROPOSED



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
1	ISSUED FOR ADDENDUM 3	2018-06-19	DS
2	ISSUED FOR ADDENDUM 4	2018-06-11	DS
3	ISSUED FOR TENDER	2018-09-29	DS
4	ISSUED FOR UQS REVIEW	2018-04-26	DS
5	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 GEOSCIENTIST MANITOBA
Certificate of Authorization
WSP Canada Group Limited
No. 6657

wsp

WSP Canada Group Limited
93 Lombard Ave, Suite 111
Winnipeg, MB R3B 3B1
t. 204.943.3178
f. 204.943.4948
www.wsp.com

DESIGNED BY: DS
CHECKED BY: TP
DRAWN BY: SB
APPROVED BY: VM

HOR SCALE: 1:250
VERTICAL: 1:25

ISSUED FOR CONSTRUCTION: 2018-02-15

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

Date & Time Plotted: Jun/19/2018 at 11:12 am - Plotted By: baruojaas
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-C09