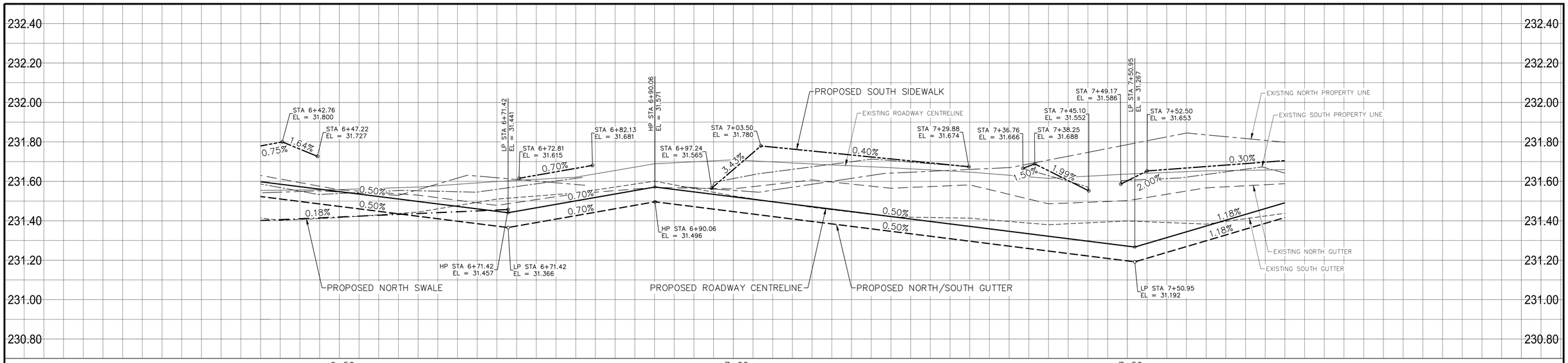

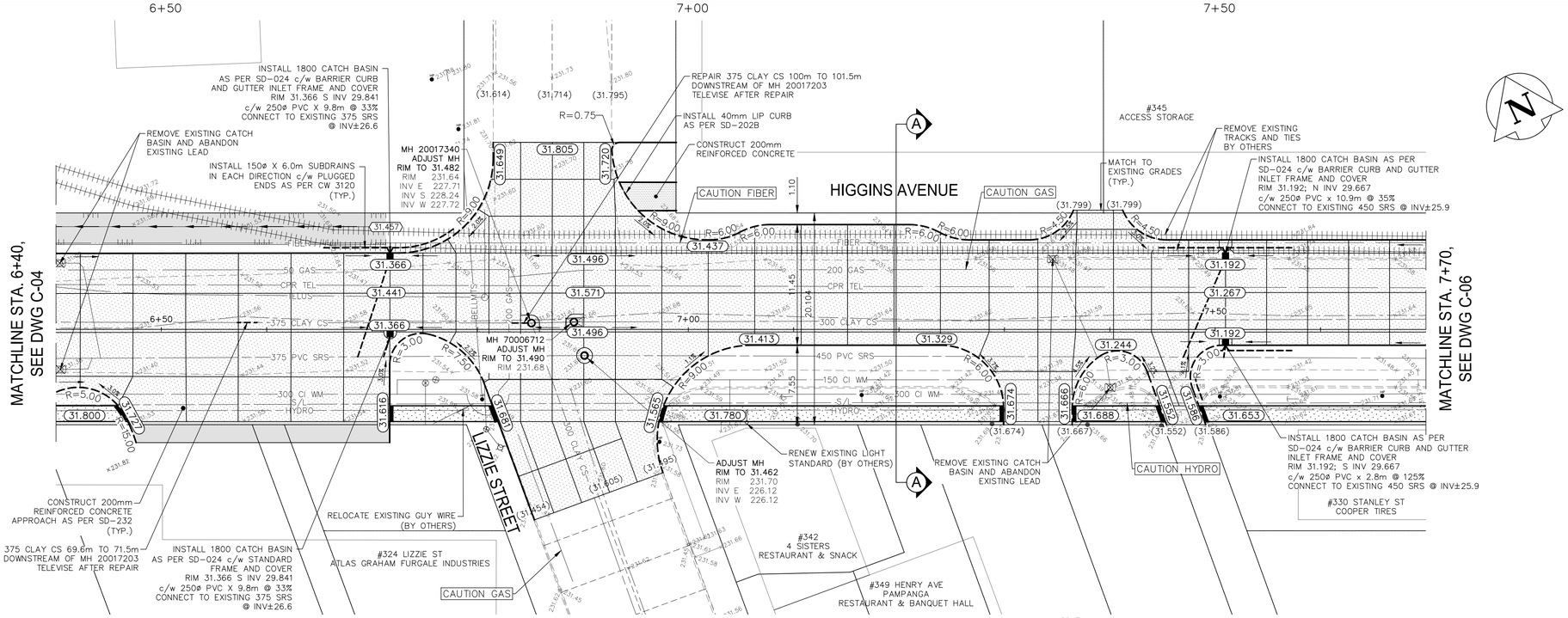

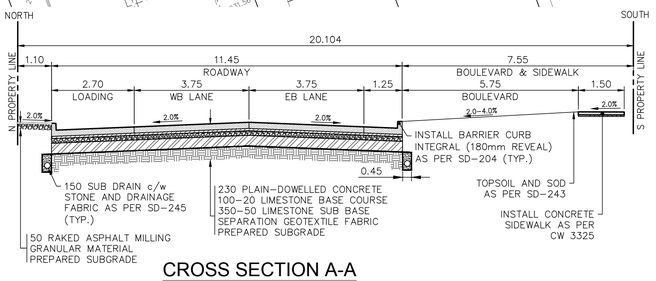

CROSS SECTION A-A

NTS

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.

	WATER MAIN			SWALE GRADE	(31.255)			
	LAND DRAINAGE SEWER			SLOPE	1%%			
	WASTE WATER SEWER			DIRECTION FLOW				
	HYDRO			HYDRO POLE & LIGHT STANDARD				
	M.T.S.			LIGHT STANDARD OR TRAFFIC SIGNAL				
	GAS		HP	HYDRO POLE				
	SIGNALS			CURB RAMP				
○	MANHOLE	●		DETECTABLE WARNING SURFACE TILE				
□	CATCH BASIN	■		EDGE OF SIDEWALK				
△	CURB INLET	▼		FENCE				
	UTILITIES ADJUSTED	△ □ ○		PROPERTY LINE				
ℸ	PLUG	ℸ		EDGE OF ASPHALT			NORTH PROPERTY LINE	
⊹	HYDRANT	✦		EDGE OF CONCRETE			SOUTH PROPERTY LINE	
⊗	VALVE	⊗		MODIFIED BARRIER CURB			NORTH SIDEWALK	
♂	CURB STOP	♂		BARRIER CURB			SOUTH SIDEWALK	
230.99	GROUND GRADE			CONC SIDEWALK			ROADWAY CENTRELINE	
(31.000)	PAVEMENT GRADE	(31.000)		CONCRETE SLAB			NORTH GUTTER	
⟶	ANCHOR			ASPHALT OVERLAY			SOUTH GUTTER	
#111	CIVIC ADDRESS			BULLNOSE			NORTH SWALE	
EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PROFILE	PROPOSED

LOCATIONS APPROVED
UNDERGROUND STRUCTURES

SIGNED BY:

SUPV U/G STRUCTURES 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 EXISTANCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING

G.B.M. TOP OF TOP NUT ON FIRST HYDRANT EAST OF SLAW REBCHUK BRIDGE ON THE SOUTH SIDE OF HIGGINS AVENUE
ELEV. 232.462

NO.	REVISIONS	DATE	BY
H	-	-	-
G	-	-	-
F	-	-	-
E	-	-	-
D	-	-	-
C	ISSUED FOR TENDER	2018-05-29	DS
B	ISSUED FOR UGS REVIEW	2018-04-26	DS
A	ISSUE FOR CLIENT REVIEW	2018-04-13	DS

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	RELEASED FOR CONSTRUCTION	
VERTICAL	1:25		
DATE	2018-02-15	DATE	

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

CONSULTANT ACAD DWG. NO.
17M-01932-00-C10

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

ENGINEERS GEOSCIENTIST MANITOBA
Certificate of Authorization
WSP Canada Group Limited
No. 6657

NOTES:
1. ALL WORK AND MATERIALS TO BE IN ACCORDANCE WITH THE LATEST REVISION OF THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
2. CONTRACTOR TO CONFIRM THE LOCATION OF ALL UTILITIES/SERVICES IN THE FIELD PRIOR TO CONSTRUCTION.
3. ALL ROADWAY DIMENSIONS SHOWN ARE TO BACK OF CURB.
4. ADD 200.00 TO ABBREVIATED ELEVATIONS TO OBTAIN GEODETIC ELEVATION.
5. PAVEMENT REPAIRS SHOWN ARE ONLY A REPRESENTATIVE APPROXIMATION OF THE TENDERED QUANTITIES.
6. ALL PRIVATE WALKWAYS TO BE ADJUSTED TO NEW SIDEWALK OR TOP OF CURB ELEVATION, AS REQUIRED.
7. MODIFIED BARRIER CURB TO BE CONSTRUCTED AT ALL INTERSECTION RADII AND APPROACH RADII
8. INSTALL 40MM LIP CURB THROUGH ALL APPROACHES UNLESS OTHERWISE NOTED.
9. CONTRACTORS TO TAKE PRECAUTIONARY STEPS TO PROTECT EXISTING TREES WITHIN THE LIMITS OF CONSTRUCTION FROM DAMAGE FROM CONSTRUCTION ACTIVITIES AS OUTLINED IN THE SPECIFICATIONS.
10. 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.
11. 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
12. TRAFFIC SERVICES TO PAINT TRAFFIC LINES LANE MARKINGS (IF REQ'D).
13. CONTRACTOR TO CONFIRM LOCATION AND LIMITS OF SEWER REPAIRS BY PERFORMING VIDEO INSPECTION AND REVIEWING WITH CONTRACT ADMINISTRATOR PRIOR TO CONSTRUCTION .
14. ADJUST ALL WATER VALVES, HYDRANTS, MANHOLES, AND CATCH BASINS IN WORK AREA TO GRADE.
15. INSULATE ALL LONG-WATER SERVICES UNLESS OTHERWISE NOTED.
16. STREET LIGHTING RENEWAL TO BE COMPLETED BY MANITOBA HYDRO.
17. CONTRACTOR TO NOTIFY CONTRACT ADMINISTRATOR AND FOLLOW SOIL MANAGEMENT PLAN IF CONTAMINATED SOIL IS ENCOUNTERED DURING EXCAVATION.

Winnipeg
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