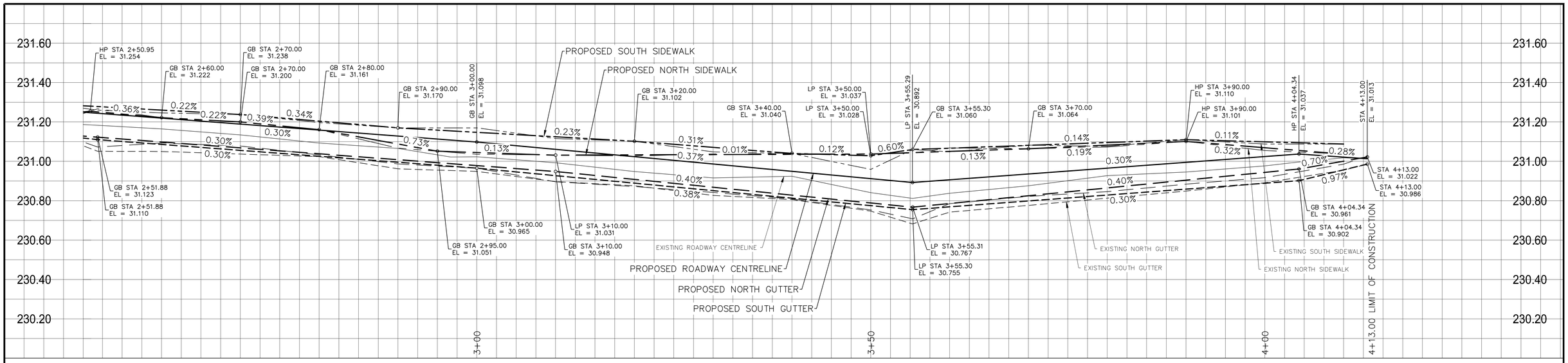
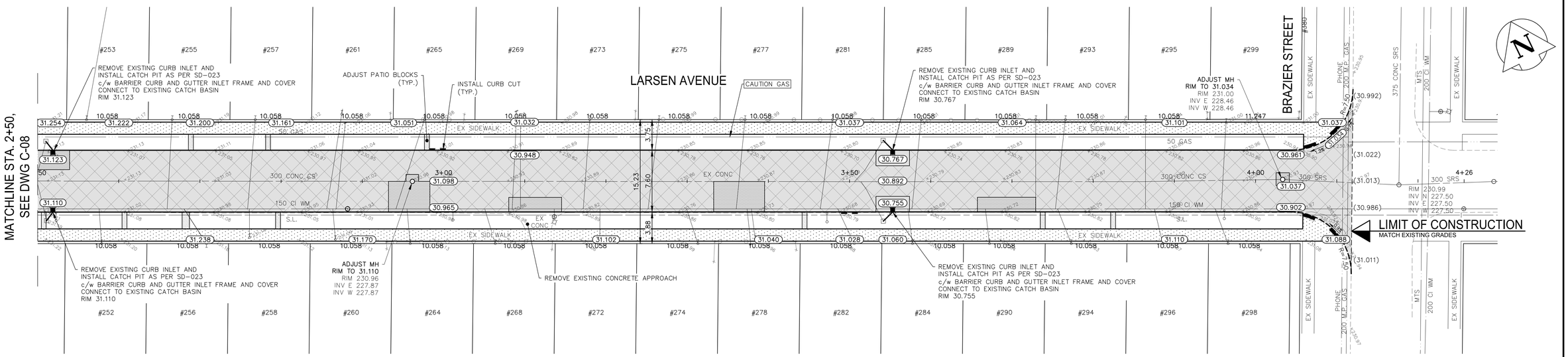
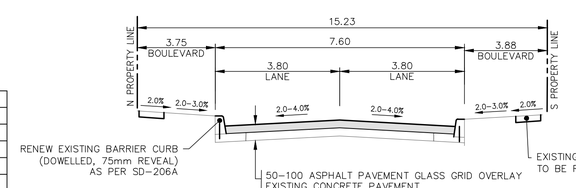




EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PROFILE	PROPOSED
	WATER MAIN							
	LAND DRAINAGE SEWER			HYDRO POLE & LIGHT STANDARD				
	WASTE WATER SEWER			LIGHT STANDARD OR TRAFFIC SIGNAL				
	HYDRO			HYDRO POLE				
	M.T.S.			CURB RAMP				
	GAS			CURB CUT				
	SIGNALS			DETECTABLE WARNING SURFACE TILE				
○	MANHOLE	●		EDGE OF SIDEWALK				
□	CATCH BASIN	■		FENCE				
△	CURB INLET	▼		PROPERTY LINE				
	UTILITIES ADJUSTED	△ □ ○		EDGE OF ASPHALT				
⌋	PLUG	⌋		EDGE OF CONCRETE				
⊹	HYDRANT	✦		MODIFIED BARRIER CURB				
⊗	VALVE	⊗		BARRIER CURB				
♂	CURB STOP	♂		CONC SIDEWALK			SOUTH PARKING LANE	
230.99	GROUND GRADE			CONCRETE SLAB			NORTH OR WEST SIDEWALK	
(31.00)	PAVEMENT GRADE	31.00		ASPHALT			SOUTH OR EAST SIDEWALK	
⟶	ANCHOR			MILLED SURFACE			ROADWAY CENTRELINE	
#111	CIVIC ADDRESS			ASPHALT JOINT REPAIR			NORTH OR WEST GUTTER	
⊕	IRON BAR			GLASS GRID			SOUTH OR EAST GUTTER	



TYPICAL CROSS-SECTION

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. - ELEV. 231.954

BENCHMARK LOCATION
TOP OF TOP NUT ON HYDRANT SOUTH EAST CORNER OF LARSEN AVENUE AND HENDERSON HIGHWAY.

NO.	REVISIONS	DATE	BY
H	-	-	-
G	-	-	-
F	-	-	-
E	-	-	-
D	-	-	-
C	ISSUED FOR TENDER	2018-03-20	SM
B	ISSUED FOR UNDERGROUND STRUCTURES REVIEW	2018-03-09	SM
A	ISSUED FOR CLIENT REVIEW	2018-02-21	SM

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. EXISTING ASPHALT TO BE PLANED AS IDENTIFIED BY CONTRACT ADMINISTRATOR.
6. RENEW CURB AND SIDEWALK AS IDENTIFIED BY CONTRACT ADMINISTRATOR.
7. ALL PRIVATE WALKWAYS TO BE ADJUSTED TO NEW SIDEWALK OR TOP OF CURB ELEVATION, AS REQUIRED.
8. MODIFIED BARRIER CURB TO BE CONSTRUCTED AT ALL INTERSECTION RADII AND BACK LANE RADII.
9. ADJUST MH FRAMES, CB RIMS, AND VALVES TO NEW GRADES, AS REQUIRED.
10. INSTALL 40MM LIP CURB THROUGH RESIDENTIAL APPROACHES AS IDENTIFIED BY CONTRACT ADMINISTRATOR.
11. CONTRACTORS TO TAKE PRECAUTIONARY STEPS TO PROTECT EXISTING TREES WITHIN THE LIMITS OF CONSTRUCTION FROM DAMAGE FROM CONSTRUCTION ACTIVITIES AS OUTLINED IN THE SPECIFICATIONS.
12. 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.
13. ALL BOULEVARDS TO BE SODDED UNLESS OTHERWISE NOTED.
14. CONTRACTOR TO CONFIRM LOCATION AND LIMITS OF SEWER REPAIRS BY PERFORMING VIDEO INSPECTION AND REVIEWING WITH CONTRACT ADMINISTRATOR PRIOR TO CONSTRUCTION (IF REQ'D).
15. ADJUST ALL WATER VALVES, HYDRANTS, MANHOLES, AND CATCH BASINS IN WORK AREA TO GRADE.
16. INSTALL GLASS GRID AS IDENTIFIED BY CONTRACT ADMINISTRATOR.

PRELIMINARY

NOT FOR CONSTRUCTION

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

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

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

DESIGNED BY	JM	CHECKED BY	VM/SM
DRAWN BY	HK	APPROVED BY	SM
HOR. SCALE	1:250	RELEASED FOR CONSTRUCTION	
VERTICAL	1:10		
DATE	2017-11-20	DATE	

ENGINEER'S SEAL
PROVINCE OF MANITOBA
J.S.F. MAGNE
Member 31236
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT ACAD DWG. NO.
17M-02216-00-C-09

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES DIVISION

2018 LOCAL STREET RENEWAL PROGRAM

LARSEN AVENUE
HENDERSON HIGHWAY TO BRAZIER STREET

PAVEMENT REHABILITATION
STA. 2+50 TO STA. 4+13

CITY DRAWING NUMBER --

SHEET 09 OF 22

BID NO. 33-2018