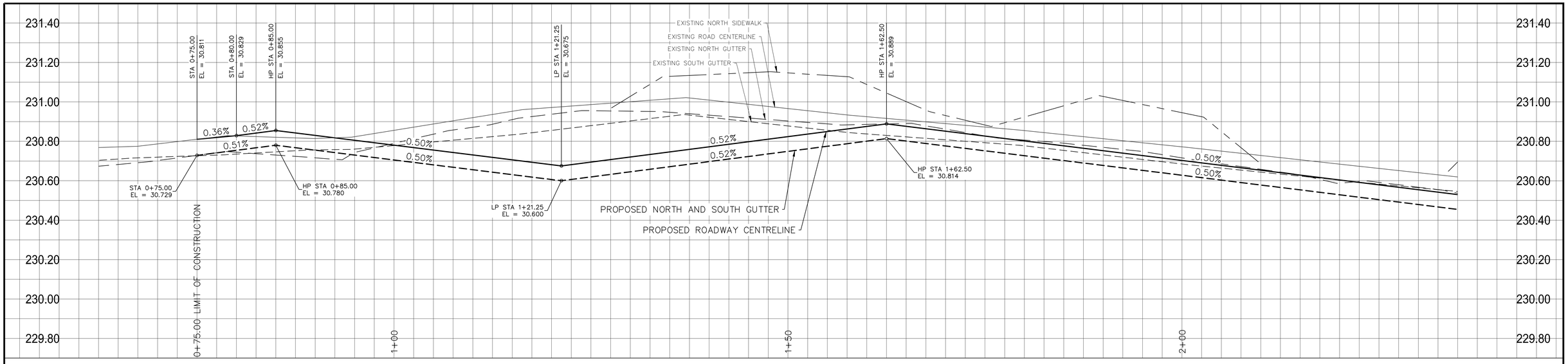

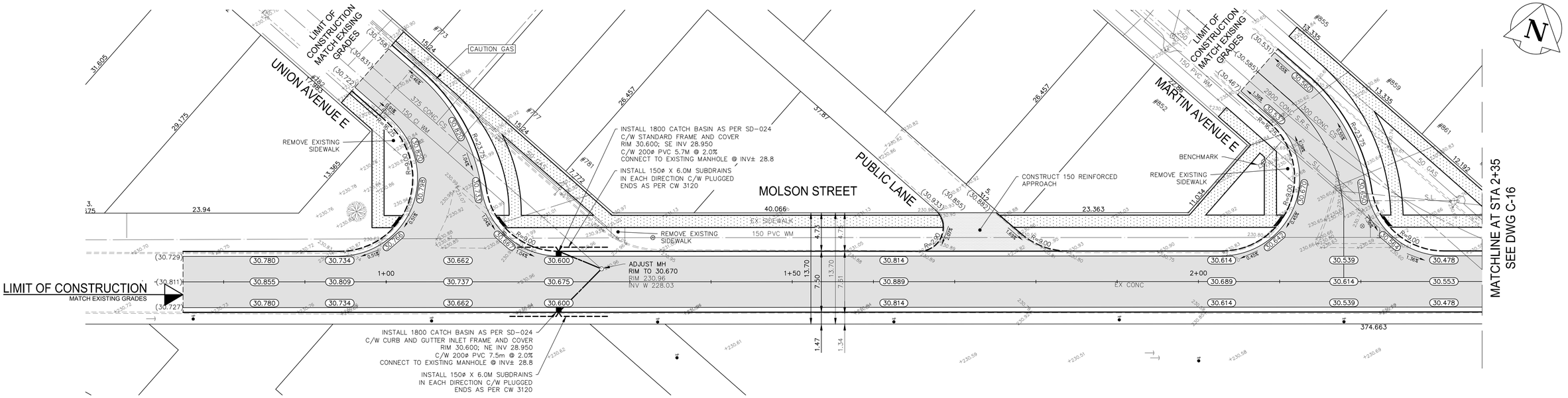

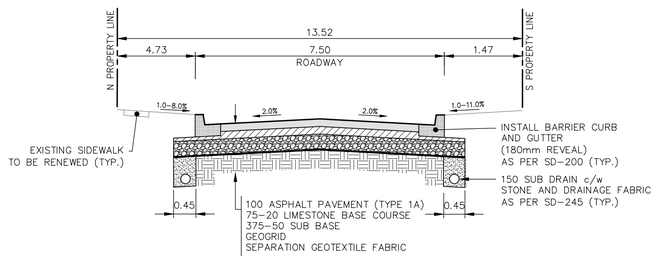

TYPICAL CROSS-SECTION

NTS

	WATER MAIN			IRON BAR				
	LAND DRAINAGE SEWER			HYDRO POLE & LIGHT STANDARD				
	WASTE WATER SEWER			LIGHT STANDARD OR TRAFFIC SIGNAL				
	HYDRO			HYDRO POLE				
	M.T.S.			CURB RAMP				
	GAS			DETECTABLE WARNING SURFACE TILE				
	SIGNALS			EDGE OF SIDEWALK				
○	MANHOLE	●		FENCE				
□	CATCH BASIN	■		PROPERTY LINE				
△	CURB INLET	▼		EDGE OF ASPHALT				
	UTILITIES ADJUSTED	△ □ ○		EDGE OF CONCRETE				
⌋	PLUG	⌋		MODIFIED BARRIER CURB				
◇	HYDRANT	◆		BARRIER CURB				
⊗	VALVE	⊗		BARRIER CURB AND GUTTER				
♂	CURB STOP	♂		CONC SIDEWALK			NORTH OR WEST SIDEWALK	
230.99	GROUND GRADE			CONCRETE SLAB			SOUTH OR EAST SIDEWALK	
(31.00)	PAVEMENT GRADE	31.00		ASPHALT			ROADWAY CENTRELINE	
⟶	ANCHOR			MILLED SURFACE			NORTH OR WEST GUTTER	
#111	CIVIC ADDRESS			ASPHALT JOINT REPAIR			SOUTH OR EAST GUTTER	
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. -
ELEV. 231.556
BENCHMARK LOCATION
TOP OF TOP NUT ON HYDRANT NORTH WEST CORNER OF MOLSON STREET AND MARTIN AVENUE EAST.

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

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

ENGINEER'S SEAL
PROVINCE OF MANITOBA
S.C. MINTY
Member 23073
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT ACAD DWG. NO.
17M-02216-00-C-15

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. RENEW CURB AND SIDEWALK AS IDENTIFIED BY CONTRACT ADMINISTRATOR.
6. ALL PRIVATE WALKWAYS TO BE ADJUSTED TO NEW SIDEWALK OR TOP OF CURB ELEVATION, AS REQUIRED.
7. ADJUST MH FRAMES, CB RIMS, AND VALVES TO NEW GRADES, AS REQUIRED.
8. MODIFIED BARRIER CURB TO BE CONSTRUCTED AT ALL INTERSECTION RADII AND BACK LANE RADII.
9. INSTALL 40mm LIP CURB THROUGH ALL RESIDENTIAL APPROACHES.
10. ALL EXISTING LONG WATER SERVICES TO BE INSULATED AS PER SD-018 (AS REQUIRED).
11. 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.
12. CONTRACTORS TO TAKE PRECAUTIONARY STEPS TO PROTECT EXISTING TREES WITHIN THE LIMITS OF CONSTRUCTION FROM DAMAGE FROM CONSTRUCTION ACTIVITIES AS OUTLINED IN THE SPECIFICATIONS.
13. ALL BOULEVARDS TO BE SODDED UNLESS OTHERWISE NOTED. LIMITS TO BE IDENTIFIED IN THE FIELD BY THE CONTRACT ADMINISTRATOR.
14. CONTRACTOR TO MATCH ALL EDGING ON EXISTING CONCRETE DRIVEWAYS.
15. ADJUST ALL WATER VALVES, HYDRANTS, MANHOLES, AND CATCH BASINS IN WORK AREA TO GRADE.

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

PRELIMINARY
NOT FOR CONSTRUCTION

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

Winnipeg

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES DIVISION

2018 LOCAL STREET RENEWAL PROGRAM
MOLSON STREET
UNION AVENUE E TO HARBISON AVENUE E
PAVEMENT RECONSTRUCTION
STA. 0+75 TO STA. 2+35

CITY DRAWING NUMBER: --
SHEET 15 OF 22
BID NO. 33-2018