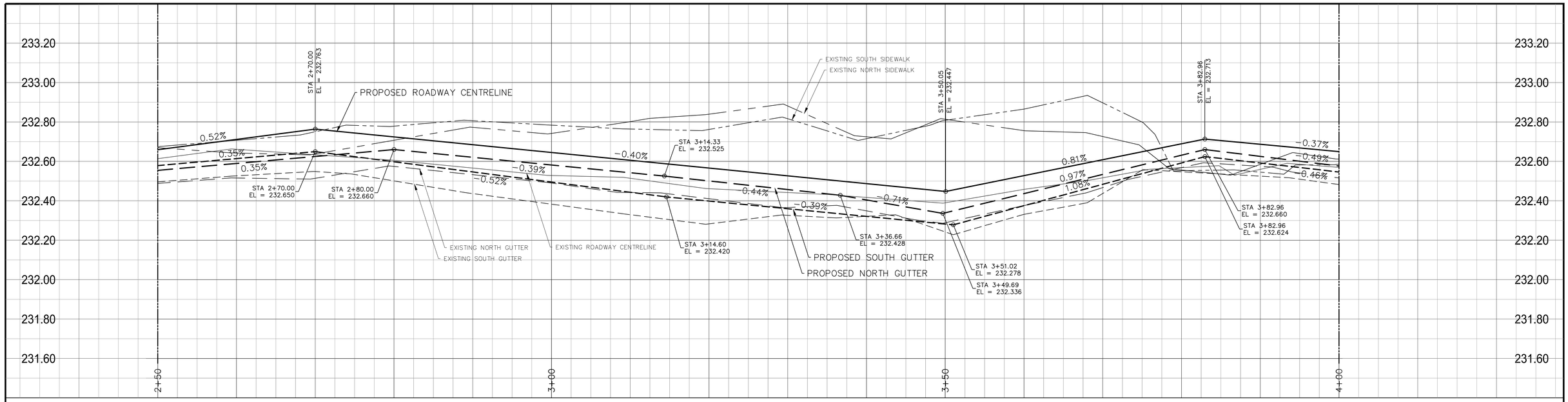

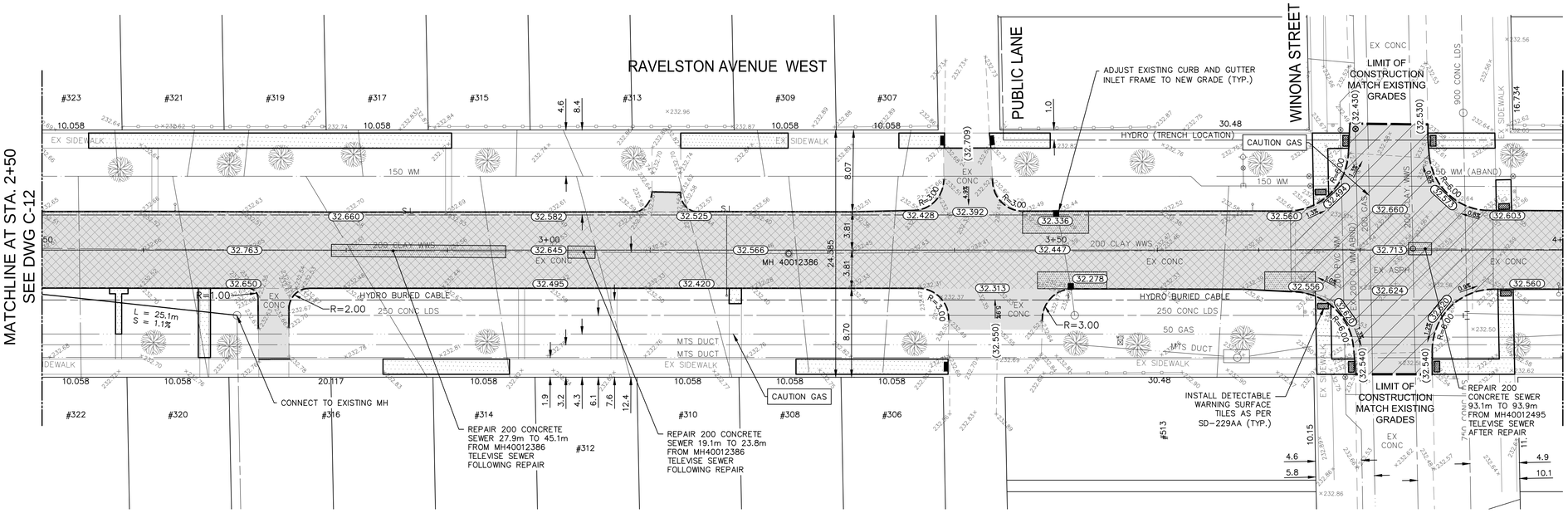

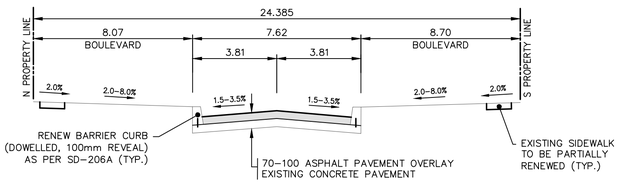

TYPICAL CROSS-SECTION

NTS

NOTES:
1. ADJUST MH, CB RIMS, AND VALVES TO NEW GRADES.
2. CONTRACTORS TO TAKE PRECAUTIONARY STEPS TO PROTECT EXISTING TREES WITHIN THE LIMITS OF CONSTRUCTION FROM DAMAGE FROM CONSTRUCTION ACTIVITIES AS OUTLINED IN THE SPECIFICATIONS.
3. CONTRACTOR TO CONFIRM THE LOCATION OF ALL UTILITIES/SERVICES IN THE FIELD PRIOR TO CONSTRUCTION.
4. ADD 200.00M TO ABBREVIATED ELEVATIONS TO OBTAIN GEODETIC ELEVATIONS.
5. CB OFFSETS ARE DIMENSIONED TO BACK OF CURB.
6. PAVEMENT REPAIRS SHOWN ARE ONLY A REPRESENTATIVE APPROXIMATION OF THE TENDERED QUANTITIES.
7. SIDEWALKS TO BE RENEWED WITH CONCRETE AS NOTED BY CONTRACT ADMINISTRATOR.
8. LAMP STANDARDS, HYDRO POLES, AND ANCHORS THAT REQUIRE TEMPORARY SUPPORT, REMOVAL OR REPLACEMENT, TO BE DONE SO AT THE EXPENSIVE OF THE CONTRACTOR AS NECESSARY.
9. RENEW CURB AS IDENTIFIED BY CONTRACT ADMINISTRATOR.
10. ALL WORK AND MATERIALS TO BE IN ACCORDANCE WITH THE LATEST REVISION OF THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
11. ALL ROADWAY DIMENSIONS SHOWN ARE TO BACK OF CURB.
12. BOULEVARD RESTORATION TO BE SOD UNLESS OTHERWISE NOTED.
13. ALL PRIVATE WALKWAYS TO BE ADJUSTED TO NEW TOP OF CURB ELEVATION, AS REQUIRED.

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

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		#111	CIVIC ADDRESS				
	LAND DRAINAGE SEWER			IRON BAR				
	WASTE WATER SEWER			HYDRO POLE & LIGHT STANDARD				
	HYDRO			LIGHT STANDARD				
	M.T.S.		HP	HYDRO POLE				
	GAS			CURB RAMP				
	SIGNALS			DETECTABLE WARNING SURFACE TILE				
○	MANHOLE	●		EDGE OF SIDEWALK				
□	CATCH BASIN	■		PROPERTY LINE				
△	CURB INLET	▼		EDGE OF ASPHALT				
	UTILITIES ADJUSTED	△ □ ○		MODIFIED BARRIER CURB				
⊐	PLUG	⊐		BARRIER CURB				
⊹	HYDRANT	◆		EDGE OF CONCRETE				
⊗	VALVE	⊗		SIDEWALK				
♂	CURB STOP	♂		CONCRETE REPAIR SLAB			ROADWAY CENTRE LINE	
230.99	GROUND GRADE			ASPHALT			NORTH GUTTER	
(31.00)	PAVEMENT GRADE	31.00		MILLED SURFACE			SOUTH GUTTER	
	LOT GRADE	31.00		GLASS GRID			NORTH SIDEWALK	
—)	ANCHOR						SOUTH SIDEWALK	
EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PROFILE	PROPOSED

LOCATIONS APPROVED
UNDERGROUND STRUCTURES

SIGNED BY: _____ DATE _____
SUPV U/G STRUCTURES

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. BENCHMARK LOCATION
LOCATED ON "O" OF OPEN ON HYDRANT, SOUTH END OF BOND STREET, NORTHWEST CORNER OF BOND AND VICTORIA
ELEV. 233.688

NO.	REVISIONS	DATE	BY
B	ISSUED FOR TENDER	04/06/16	VM
A	ISSUED FOR CITY of WINNIPEG REVIEW	03/22/16	VM

MMM GROUP
MMM Group Limited
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Winnipeg, MB R3B 3B1
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f. 204.943.4948
www.mmmgrouplimited.com

DESIGNED BY	DS	CHECKED BY	TP/VM
DRAWN BY	SB	APPROVED BY	VM
HOR. SCALE	1:250	RELEASED FOR CONSTRUCTION	
VERTICAL	1:10		
DATE	04/4/2016	DATE	

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

CONSULTANT ACAD DWG. NO.
5515115-C-13

PEGM
Certificate of Authorization
MMM Group Limited
No. 4531

Winnipeg
THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

2016 LOCAL STREET RENEWAL PROGRAM
RAVELSTON AVENUE WEST
DAY STREET TO MADELINE STREET
PAVEMENT REHABILITATION
STA. 2+50 TO STA. 4+00

CITY DRAWING NUMBER
SHEET 13 OF 20
BID NO. 261-2016

Apr 05, 2016 - 7:54pm
P:\5515100-5515199\5515115 - 2016 Local Streets package 16-R-03\WMM Drawings\Construction drawings\Contract 2\5515115 - Rowleston Ave W C12-C16.dwg - tabC-13