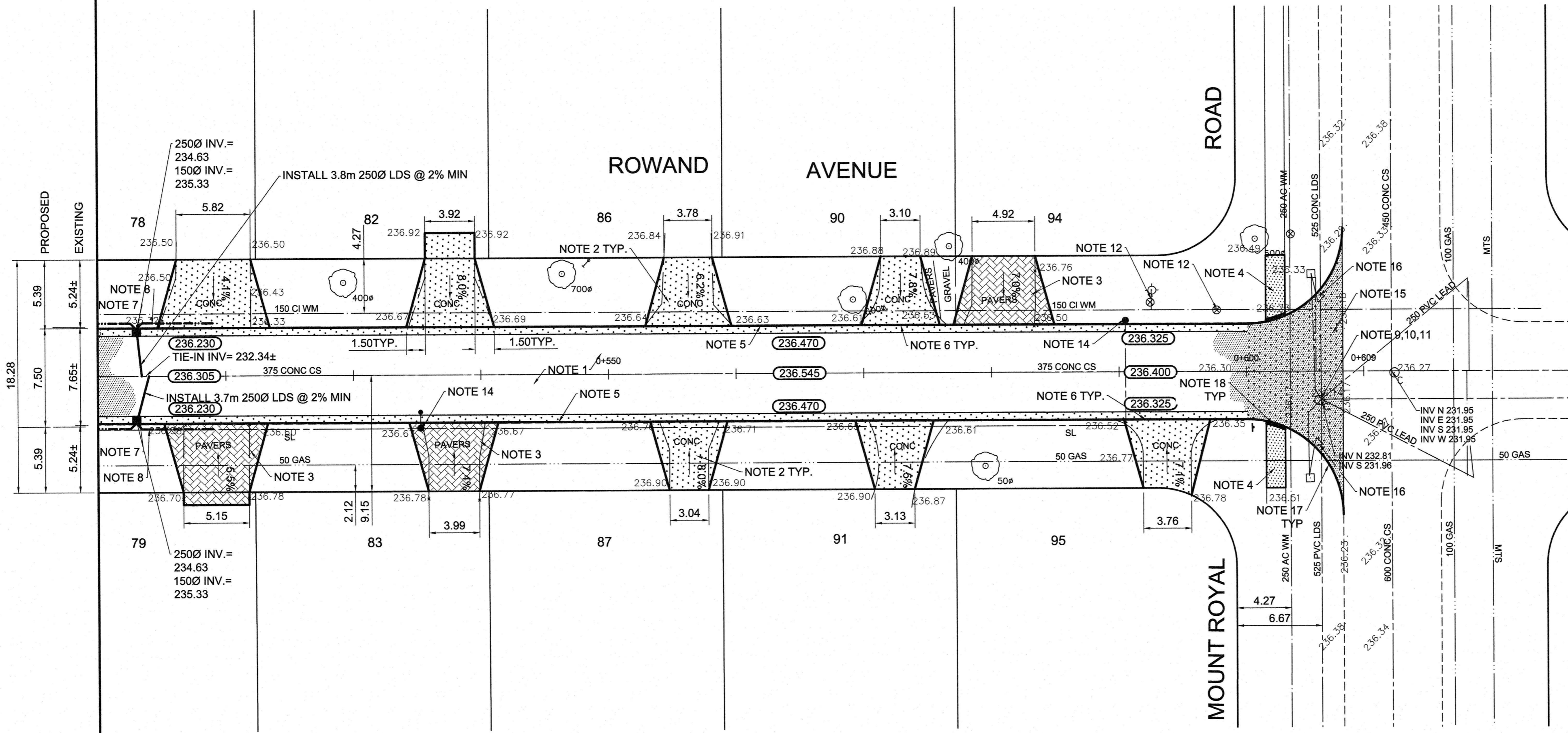


TYPICAL CROSS SECTION



REFERENCE NOTES

- A. PAVEMENT DIMENSIONS ARE TO BACK OF CURB
- B. BASELINE IS CENTRE LINE RIGHT-OF-WAY
- C. PROPERTY LINES OBTAINED FROM CITY OF WINNIPEG L.B.I.S., AND NO SCALE FACTOR WAS APPLIED
- D. REFER TO AECOM FIELD BOOK NO. 4909

CONSTRUCTION NOTES

1. REMOVE EXISTING CONCRETE PAVEMENT AND CONSTRUCT NEW 100mm ASPHALTIC PAVEMENT (TYPE 1A)
2. REMOVE EXISTING CONCRETE / ASPHALT PAVEMENT AND CONSTRUCT NEW 150mm REINFORCED CONCRETE PAVEMENT
3. REMOVE AND REINSTALL EXISTING PAVING STONES AND CONSTRUCT 150mm CONCRETE BARRIER CURB EDGING
4. RENEW EXISTING 100mm CONCRETE SIDEWALK
5. CONSTRUCT NEW BARRIER CURB AND GUTTER (180mm HT.)
6. CONSTRUCT NEW LIP CURB AND GUTTER (40mm HT. INTEGRAL)
7. INSTALL NEW CURB AND GUTTER INLET c/w CATCH BASIN (SD-024) AND CONNECT NEW 250mm LEAD TO EXISTING 375 CONC CS
8. INSTALL 150mm SUBDRAIN
9. REMOVE EXISTING FRAME AND COVER AND PLACE NEW FRAME AND SOLID COVER
10. ADJUST EXISTING MANHOLE TO GRADE
11. INSTALL NEW CAST IRON RISER RING
12. ADJUST EXISTING WATER VALVE TO GRADE
13. ADJUST EXISTING CURB STOP
14. RELOCATE EXISTING LIGHT STANDARD
15. REMOVE EXISTING CONCRETE AND CONSTRUCT NEW 150mm REINFORCED CONCRETE PAVEMENT c/w 50 mm ASPHALT TYPE 1A
16. ADJUST EXISTING CURB AND GUTTER INLET
17. CONSTRUCT NEW MODIFIED BARRIER CURB (180mm HT INTEGRAL)
18. CONSTRUCT NEW RAMP CURB (10mm HT INTEGRAL)



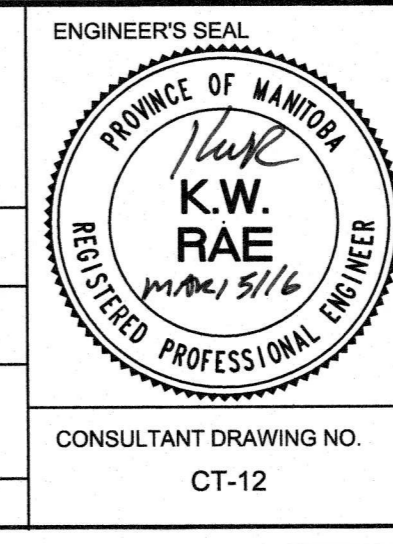
METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRO	HYDRO	PROFILE	LOCATION APPROVED UNDERGROUND STRUCTURES
Hydrant symbol	HYDRANT	Manhole symbol	M.T.S.	M.T.S.	OUTSIDE GUTTER	DATE
Valve symbol	VALVE	Manhole symbol	CONCRETE	CONCRETE	INSIDE GUTTER	
300mm L.D.S.	LAND DRAINAGE SEWER	300mm L.D.S.	ASPHALT	ASPHALT	N/W PROPERTY LINE	
250mm W.W.S.	WASTEWATER SEWER	250mm W.W.S.	PROPERTY LINE	PROPERTY LINE	S/E PROPERTY LINE	
Manhole symbol	MANHOLE	Survey bar symbol	SURVEY BAR	SURVEY BAR		
Catch basin symbol	CATCH BASIN	Elevation symbol	ELEVATION	ELEVATION		
Catch pit symbol	CATCH PIT	Tree symbol	TREE	TREE		
Junction symbol	JUNCTIONS	Sidewalk ramp symbol	SIDEWALK RAMP	SIDEWALK RAMP		
Culvert symbol	CULVERT	Concrete sidewalk symbol	CONCRETE SIDEWALK	CONCRETE SIDEWALK		
Gas symbol	GAS	Fence symbol	FENCE	FENCE		
Existing symbol	LEGEND - PLAN	Proposed symbol	LEGEND - PLAN	PROPOSED	LEGEND - PROFILE	PROPOSED

NOTE:
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 WITH CONSTRUCTION.

B.M. 39 - 057 83R811 NE of Portage & Strathmillan. Tbl on pipe. On North line Portage & 2m W of East Limit Strathmillan Rd along North line of Portage Ave

DESIGNED BY	BC/SS	CHECKED BY	KWR
DRAWN BY	JT/JC/PB	APPROVED BY	
HOR. SCALE:	1:250	RELEASED FOR CONSTRUCTION BY:	
VERTICAL:	1:10	DATE:	MAR 15/16



ENGINEER'S SEAL

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

2016 LOCAL STREET RENEWAL PROGRAM

ROWAND AVENUE - MOUNT ROYAL RD TO MOUNT ROYAL RD
ASPHALT RECONSTRUCTION
STATION 0+510 TO MOUNT ROYAL ROAD

CITY DRAWING NUMBER
SHEET 12 OF 19

CONSULTANT DRAWING NO. CT-12