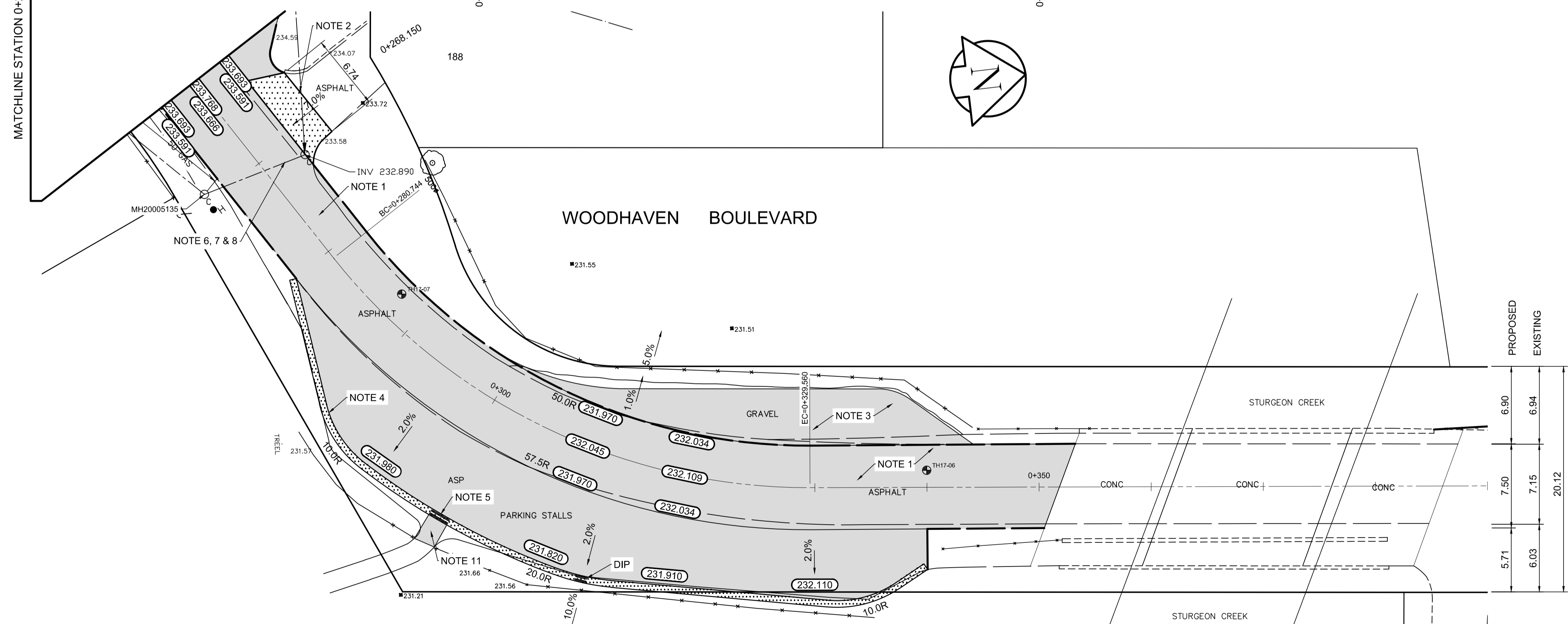


TYPICAL CROSS SECTION

- 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. 4999

- CONSTRUCTION NOTES**
1. REMOVE EXISTING ASPHALT PAVEMENT AND CONSTRUCT NEW 100mm ASPHALT PAVEMENT TYPE 1A
  2. REMOVE EXISTING CONCRETE / ASPHALT / GRAVEL DRIVEWAY AND CONSTRUCT NEW 150mm REINFORCED CONCRETE PAVEMENT
  3. GRADE EXISTING GROUND AND PLACE 100mm NEW ASPHALT PAVEMENT TYPE 1A
  4. CONSTRUCT NEW CONCRETE LIP CURB AND GUTTER (600mm WIDTH AND 40mm CURB HT.)
  5. CONSTRUCT NEW CONCRETE RAMP CURB AND GUTTER (600mm WIDTH AND 10mm RAMP HT.)
  6. REMOVE EXISTING FRAME AND COVER AND INSTALL NEW SOLID FRAME AND COVER (AP-004/AP-005)
  7. ADJUST EXISTING MANHOLE / CATCHBASIN TO GRADE
  8. INSTALL NEW CAST IRON RISER RING
  9. REMOVE EXISTING MANHOLE / CATCHBASIN
  10. ADJUST VALVE TO GRADE
  11. REMOVE EXISTING ASPHALT PAVEMENT AND PLACE NEW 75mm ASPHALT PAVEMENT (TYPE 1A)



**AECM**  
Certificate of Authorization  
AECOM Canada Ltd.  
No. 4671 Date: \_\_\_\_\_

**METRIC**  
WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES

150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRO	CONCRETE	PROPERTY LINE	ASPHALT	GRASS	PROPOSED
300mm L.O.S.	LAND DRAINAGE SEWER	300mm L.O.S.	M.T.S.	ASPHALT	SURVEY BAR	GRASS	PROPOSED	PROPOSED
250mm W.W.S.	WASTEWATER SEWER	250mm W.W.S.	CONCRETE	CONCRETE	ELEVATION	GRASS	PROPOSED	PROPOSED
MANHOLE	MANHOLE	MANHOLE	PROPERTY LINE	PROPERTY LINE	ELEVATION	GRASS	PROPOSED	PROPOSED
CATCH BASIN	CATCH BASIN	CATCH BASIN	SURVEY BAR	SURVEY BAR	ELEVATION	GRASS	PROPOSED	PROPOSED
CATCH PIT	CATCH PIT	CATCH PIT	ELEVATION	ELEVATION	ELEVATION	GRASS	PROPOSED	PROPOSED
JUNCTIONS	JUNCTIONS	JUNCTIONS	TREE	TREE	ELEVATION	GRASS	PROPOSED	PROPOSED
CULVERT	CULVERT	CULVERT	SIDEWALK RAMP	SIDEWALK RAMP	ELEVATION	GRASS	PROPOSED	PROPOSED
GAS	GAS	GAS	CONCRETE SIDEWALK	CONCRETE SIDEWALK	ELEVATION	GRASS	PROPOSED	PROPOSED
EXISTING	LEGEND - PLAN	PROPOSED	FENCE	FENCE	ELEVATION	GRASS	PROPOSED	PROPOSED

**LOCATION APPROVED UNDERGROUND STRUCTURES**

SUPV. U/G STRUCTURES COMMITTEE DATE

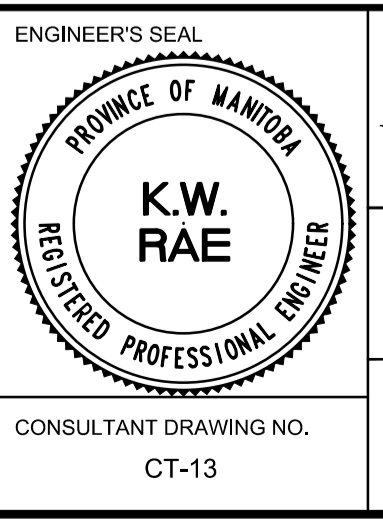
**NOTE:**  
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE, BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

B.M. 41-049 S. side of Assiniboine Ave. @ Woodhaven Blvd., T88, on top of 6.05 m dia x 2.4 m iron pipe, 2.5 m E. of C.L. asphalt roadway of Woodhaven Blvd. & 40.9 m S. of S. wall No. 108 Woodhaven Blvd.

0	ISSUED FOR TENDER	04/10/2018	BC
A	ISSUED FOR REVIEW	03/23/2018	BC
NO.	REVISIONS	DATE	BY

**AECOM**

DESIGNED BY: JC  
CHECKED BY: BC/KWR  
DRAWN BY: JC  
APPROVED BY: \_\_\_\_\_  
HOR. SCALE: 1:250  
VERTICAL: 1:10  
RELEASED FOR CONSTRUCTION BY: \_\_\_\_\_  
DATE: \_\_\_\_\_



**THE CITY OF WINNIPEG**  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DIVISION

2018 RESIDENTIAL STREET RENEWAL PROGRAM

WOODHAVEN BOULEVARD - STATION 0+100 TO PORTAGE AVENUE  
ASPHALT PAVEMENT RECONSTRUCTION  
STATION 0+260 TO STATION 0+390

CITY DRAWING NUMBER  
SHEET 13 OF 29