

**H** TYPICAL SECTION  
NOT TO SCALE

**HARGRAVE ASPHALT BIKE PATH STRUCTURE**  
SCALE 1:10

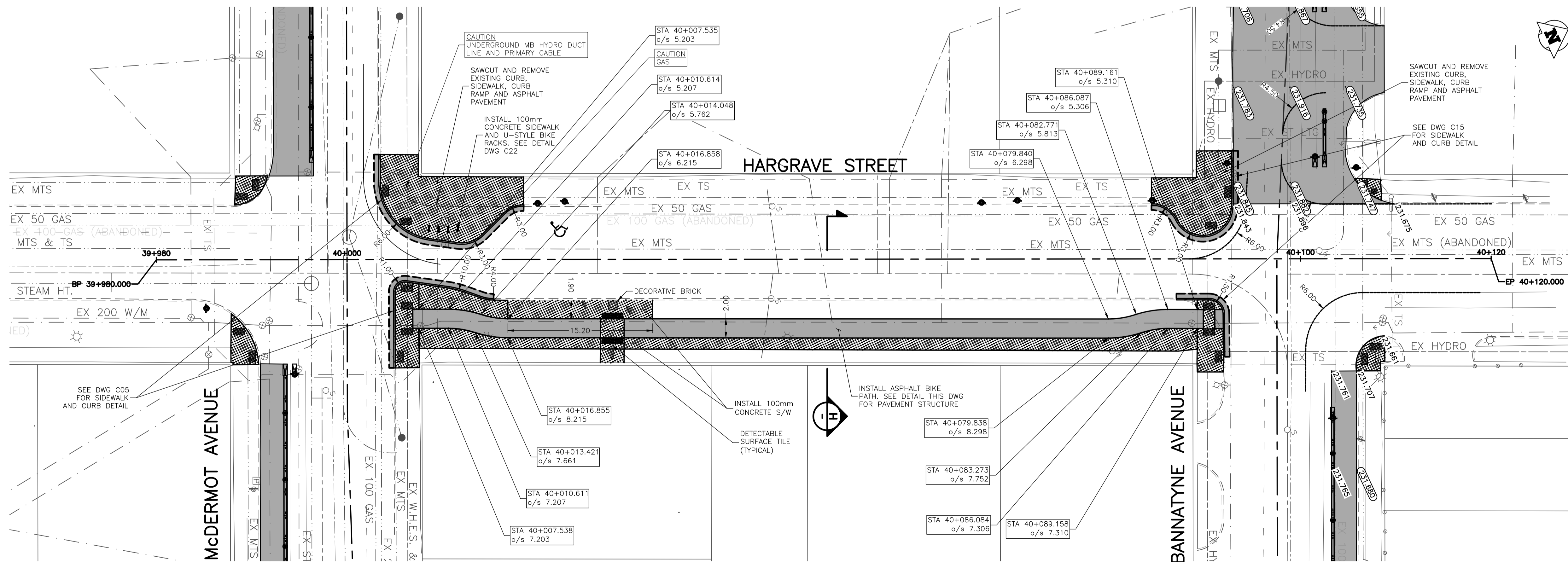
**ES** ENGINEERS  
GEO-SCIENTISTS  
MANITOBA  
Certificate of Authorization  
Urban Systems Ltd.  
No. 5053

**GENERAL NOTES:**

- DESIGN GRADES ARE TO BE CONFIRMED ONCE PLANING HAS BEEN COMPLETED.
- ADJUST VALVES TO MATCH FINAL GRADES.
- ADJUST PAVEMENT MANHOLE AND CATCH BASIN FRAMES 50mm BELOW FINAL GRADE TO ACCOMMODATE A RISER RING FOR FINAL ASPHALT PAVING OPERATIONS.
- MAINTAIN TRAFFIC AS OUTLINED IN THE TRAFFIC MANAGEMENT SPECIFICATION.
- RADIi CURB RENEWAL ON INTERSECTING STREETS & BACK LANES TO BE MODIFIED BARRIER CURB AS REQUIRED.
- CONCRETE REPAIRS TO BE CONFIRMED BY THE CONTRACT ADMINISTRATOR.
- CURB AND SIDEWALK RENEWAL AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
- MAINTAIN 25-75mm OF REVEAL ON THE SIGNAL BASES.
- SEE DWG C22 FOR ADJUSTABLE CURB AND END UNIT DETAILS.
- NEW CURB TO BE TIED TO EXISTING OVER 2.0m. SEE DWG C23 FOR DETAIL.
- INSTALL DETECTABLE TILE AS PER CW 3326

NOTE: FOR CURB DETAILS, SEE DWGS C06 AND C15

FOR SIGNING AND PAVEMENT MARKING DRAWINGS SEE DWG C24 TO C36



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150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRO	ADJUSTABLE CURB	LOCATION APPROVED UNDERGROUND STRUCTURES
300mm L.D.S.	LAND DRAINAGE SEWER	300mm L.D.S.	M.T.S.	ADJUSTABLE END UNIT	
250mm W.W.S.	WASTEWATER SEWER	250mm W.W.S.	CONCRETE	DECORATIVE LIGHT	
	MANHOLE		ASPHALT	POLYPOST	
	CATCH BASIN	235.750	PROPERTY LINE		
	CURB INLET	500	SURVEY BAR		
	JUNCTIONS		ELEVATION (35.750)		
	CULVERT		TREE		
	GAS		SIDEWALK DETECTABLE		
			CONCRETE SIDEWALK		
EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PROFILE	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. ELEV.			
A	60% DETAIL DESIGN	2018-01-44	GS
B	90% DETAIL DESIGN	2018-03-12	GS
C	ISSUED FOR TENDER	2018-03-28	GS
D	ADDENDUM No.1	2018-04-11	GS
NO.	REVISIONS	DATE	BY

**URBAN systems**

DESIGNED BY: M. Nikolich  
CHECKED BY: G. Smith  
DRAWN BY: M. Nikolich  
APPROVED BY: G. Propp  
HOR. SCALE: 1:250  
VERTICAL: 1:25  
RELEASED FOR CONSTRUCTION BY:  
DATE: APRIL 11, 2018

ENGINEER'S SEAL  
*NOT FOR CONSTRUCTION*  
CONSULTANT DRAWING NO. 3354.0011.01 C21

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

McDermot Bannatyne Adjustable Bike Lanes  
Hargrave Street  
Station 39+980 to 40+120

SHEET 21 OF 36  
CAD FILE DRAWING NUMBER C02-C22-3354001101-PLN.DWG  
CITY DRAWING NUMBER P-3496-21