

SCOPE OF WORK:

- A. Riverbank Stabilization (Fall 2016 March 15, 2017)
 - (i) Implement traffic and pedestrian control measures & mobilize.
 - (ii) Construction of temporary access ramp(s) and working platform. (iii) Drilling of rockfill column shafts.
 - (iv) Supply, placement and compaction of rockfill for rockfill columns.
 - (v) Supply and placement of rip rap erosion protection.(vi) Removal of temporary access ramp(s) and reshaping of riverbank.
 - (vii) Construction of limestone terrace below elevation 225.00.
 - (viii) Installation of riverbank erosion control blanket.
 - (ix) Removal of traffic and pedestrian control measures.
- B. Riverbank Grading and Trail Construction (Spring 2017 July 2017)
 - (i) Implement traffic and pedestrian control measures.
 - (ii) Riverbank grading including demolition of existing wall.
 - (iii) Construction of gravel riverbank trail including gabion wall alcoves. (iv) Construction of limestone terrace above elevation 225.00.
 - (v) Site restoration, topsoil and plantings.
- C. Road and Sidewalk Works (June 19, 2017 September 1, 2017)
 - (i) Removal of existing asphalt pavement and curbs.
 - (ii) Milling of existing asphalt pavement. (iii) Installation of catch basins, subdrains and sewer service pipe.
 - (iv) Curb and gutter installation (100 mm curb height).

 - (v) Installation of new street lighting (cables, bases and poles).(vi) Placement of geotextile fabric, subbase material, and base course for sidewalk.
 - (vii) Implement pedestrian control measures.
 - (viii) Widen existing roadway (excavation, subgrade compaction, geotextile fabric, subbase material and base course).
 - (ix) Installation of catchpits and drainage connection pipe.
 - (x) Curb and gutter installation (100 mm curb height).
 - (xi) Placement of asphalt pavement (Type 1A, 100 mm thick (2 lifts)).
 - (xii) Adjustment of existing manholes and appurtenances.
 - (xiii) Placement of asphalt overlay (Type 1A, average thickness 50 mm (1 lift)).
 - (xiv) Boulevard restoration (including private approaches and sidewalks) and landscaping. (xv) Placement of asphalt pavement for sidewalk (Type 1A, 75 mm thick (1 lift)). Note: Riverbank
 - grading and trail construction must be complete prior to paving the asphalt sidewalk. (xvi) Removal of traffic and pedestrian control measures.

TRAFFIC MANAGEMENT:

Time Frame	Traffic on Lyndale Drive	Pedestrian Access 2 m Pedestrian corridor maintained along existing north gutter			
Fall 2016 - March 15, 2017	Closed between Monck and Gauvin				
Spring 2017 - June 18, 2017	Closed between Monck and Gauvin (must re-open for Manitoba Marathon on June 18, 2017)	2 m Pedestrian corridor maintained along existing north gutter			
June 19 - September 1, 2017	Closed between Monck and Gauvin (with short term closures of Monck and Gauvin)	2 m pedestrian corridor maintained along existing north gutter until new sidewalk base course is constructed Pedestrians utilize new sidewalk (on base course) until end of construction.			

Note: If no Work is occurring for a significant period of time (ie. in the spring of 2017), the Contractor shall open Lyndale Drive to traffic and pedestrians as approved by the Contract Administrator.

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

-MO—··-—

M

MTS HANDWELL/PEDESTAL

-- → HYDRO HANDWELL/CABINET

— · — · -⊚- |

____ . ____

_ - ---- - -

 \sim

EXISTING

CATV/FIBRE OPTIC

TRAFFIC SIGNALS/PIT

CB LEAD/SSP/DCP

WATERMAIN

SUBDRAIN

DITCH

LEGEND - PLAN

LAND DRAINAGE SEWER ----

_----

NEW

0

 $\langle \cdot \rangle$

🕁 TH-12

33.000

EXISTING

MANHOLE

CATCH BASIN/CATCH PIT

CURB INLET WITH BOX

TREE

TEST HOLE

PROPERTY LINE

SURVEY BAR

FENCE

BOC/EDGE OF PAVEMENT

ELEVATION

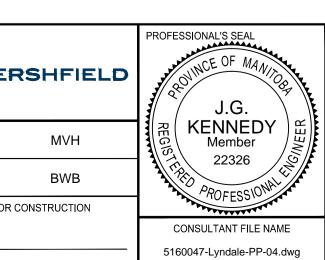
TRAFFIC SIGN

LEGEND - PLAN

33.333

EXISTING

CONCRETE PAVEMENT		LOCATION APPROVED UNDERGROUND STRUCTURES		ELEV 229.873M							
CONC SIDEWALK/MEDIAN								mi			
ASPHALT PAVEMENT								MORRIS	SON HEF		
PAVING STONE		SUPR. U/G STRUCTURES DATE									
GRAVEL		COMMITTEE							T		
RAMP CURB		NOTE: LOCATION OF UNDERGROUND STRUCTURES					DESIGNED BY	JGK	CHECKED BY		
PLANING/REMOVAL		AS SHOWN ARE BASED ON THE BEST									
		INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING					DRAWN BY	DID	APPROVED BY		
		UTILITIES ARE SHOWN OR THAT THE GIVEN	_	100UED FOR TENDER	40/00/00	1014					
		LOCATIONS ARE EXACT. CONFIRMATION OF	С	ISSUED FOR TENDER	16/09/29	JGK	HOR SCALE	1:250	RELEASED FOR C		
		EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE	В	ISSUED FOR FINAL REVIEW	16/09/13	JGK	VERT SCALE				
		INDIVIDUAL UTILITIES BEFORE PROCEEDING	Α	ISSUED FOR 75% REVIEW	16/08/17	JGK	VERT SCALE	N/A	.		
LEGEND - PLAN	NEW	WITH CONSTRUCTION.	No.	REVISIONS	YY/MM/DD	BY	DATE	16/09/06	DATE		





No. 1736 BID OPPORTUNITY No. 721-2016 THE CITY OF WINNIPEG

PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION LYNDALE DRIVE RIVERBANK STABILIZATION

AND ASSOCIATED WORKS MONCK AVENUE TO GAUVIN STREET DRAWING No. **EXISTING CONDITIONS** STA 0+400 TO STA 0+510

CITY DRAWING NUMBER RW751-2016-4 32

Certificate of Authorization MORRISON HERSHFIELD