CURVE TABLE	
CURVE #	DATA
C27	Δ = 17°53'17" R = 10.000 L = 3.122 ST. = 1.574 BC = 5533089.0698 631447.9768 EC = 5533091.6494 631449.7128
C28	Δ = 17°51'47" R = 10.000 L = 3.118 ST. = 1.572 BC = 5533094.5959 631452.4491 EC = 5533097.1717 631454.1832
C29	Δ = 17°34'16" R = 20.000 L = 6.133 ST. = 3.091 BC = 5533583.6507 631680.3634 EC = 5533589.5169 631682.0703
C30	Δ = 17°35'16" R = 27.250 L = 8.365 ST. = 4.216 BC = 5533599.1332 631683.3257 EC = 5533607.1331 631685.6547
C31	Δ = 12°06'22" R = 25.000 L = 5.282 ST. = 2.651 BC = 5533644.8915 631703.2823 EC = 5533649.4071 631706.0040
C32	Δ = 12°07'41" R = 25.000 L = 5.292 ST. = 2.656 BC = 5533666.3989 631718.8695 EC = 5533670.9232 631721.5953
C33	Δ = 23°36'53" R = 30.000 L = 12.365 ST. = 6.271 BC = 5533705.6158 631737.7754 EC = 5533717.5689 631740.5782
C34	Δ = 23°51'15" R = 40.000 L = 16.653 ST. = 8.449 BC = 5533796.4817 631742.4915 EC = 5533812.5706 631746.2995
C35	Δ = 5°00'48" R = 50.000 L = 4.375 ST. = 2.189 BC = 5533982.9226 631826.6179 EC = 5533986.9562 631828.3083
C36	Δ = 4°46'55" R = 50.000 L = 4.173 ST. = 2.088 BC = 5533994.6162 631831.1311 EC = 5533998.4669 631832.7357
C37	Δ = 16°34'29" R = 10.000 L = 2.893 ST. = 1.457 BC = 5534322.7862 631983.4369 EC = 5534325.1955 631985.0198
C38	Δ = 16°30'52" R = 10.000 L = 2.882 ST. = 1.451 BC = 5534326.2337 631985.9412 EC = 5534328.6335 631987.5195

CURVE TABLE	
CURVE #	DATA
C39	Δ = 13°46'49" R = 25.000 L = 6.013 ST. = 3.021 BC = 5534956.5266 632278.7863 EC = 5534961.6248 632281.9467
C40	Δ = 13°43'49" R = 25.000 L = 5.991 ST. = 3.010 BC = 5534971.6639 632289.9852 EC = 5534976.7424 632293.1364
C41	Δ = 17°48'31" R = 50.000 L = 15.541 ST. = 7.834 BC = 5534983.6879 632257.7707 EC = 5534975.0690 632270.6274
C42	Δ = 55°35'31" R = 25.000 L = 24.257 ST. = 13.179 BC = 5534959.6064 632303.8888 EC = 5534960.7711 632327.1760
C43	Δ = 55°44'52" R = 10.000 L = 9.730 ST. = 5.289 BC = 5534967.9661 632339.3134 EC = 5534968.4204 632348.6529
C44	Δ = 20°30'08" R = 30.000 L = 10.735 ST. = 5.425 BC = 5535260.4811 632425.1726 EC = 5535270.8092 632427.8828
C45	Δ = 20°36'31" R = 30.000 L = 10.791 ST. = 5.454 BC = 5535275.0117 632428.2100 EC = 5535285.3902 632430.9437

NOTES:
1. ALL WORK AND MATERIALS TO BE IN ACCORDANCE WITH THE LATEST REVISION OF THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
2. CONTRACTOR TO CONFIRM THE LOCATION OF ALL UTILITIES/SERVICES IN THE FIELD PRIOR TO CONSTRUCTION.
3. ADD 200.00 TO ABBREVIATED ELEVATIONS TO OBTAIN GEODETIC ELEVATION.
4. CONTRACTORS TO TAKE PRECAUTIONARY STEPS TO PROTECT EXISTING TREES WITHIN THE LIMITS OF CONSTRUCTION FROM DAMAGE FROM CONSTRUCTION ACTIVITIES AS OUTLINED IN THE SPECIFICATIONS.
5. LAMP STANDARDS, HYDRO POLES, AND ANCHORS THAT REQUIRE TEMPORARY SUPPORT, REMOVAL OR REPLACEMENT, TO BE DONE SO AT THE EXPENSE OF THE CONTRACTOR AS NECESSARY.
6. ALL BOULEVARDS TO BE SEEDED UNLESS OTHERWISE NOTED. LIMITS TO BE IDENTIFIED IN THE FIELD BY THE CONTRACT ADMINISTRATOR.
7. ADJUST ALL WATER VALVES, HYDRANTS, MANHOLES, AND CATCH BASINS IN WORK AREA TO GRADE.
8. PEDESTRIAN CROSSING AND HALF SIGNAL AT THE PROPOSED CROSSING TO BE INSTALLED BY THE CITY.
9. PAVEMENT MARKING AND SIGNAGE TO BE COMPLETED BY THE CITY.
10. CONSTRUCTION VEHICLES SHALL ONLY CROSS THE FEEDERMAIN AT EXISTING ROADWAYS. CROSSING OF THE FEEDERMAIN IN GRASS AREAS SHALL NOT BE PERMITTED.
11. REMOVE ORGANIC MATERIAL AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
12. SUITABLE SITE MATERIAL TO BE COMPACTED MIN. TO 90% OF STANDARD PROCTOR OR AS DIRECTED BY THE CONTRACT ADMINISTRATOR.

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
WSP Canada Group Limited
No. 6657

LOCATIONS APPROVED
UNDERGROUND STRUCTURES

SIGNED BY:

SUPV. U/G STRUCTURES DATE

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. N/A_EXISTING GROUND ELEVATIONS OBTAINED BY GPS AND LIDAR INFORMATION PROVIDED BY THE CITY OF WINNIPEG
ELEV. --

NO.	REVISIONS	DATE	BY
H	-	-	-
G	-	-	-
F	-	-	-
E	ISSUED FOR TENDER	27-JUN-19	RW
D	ISSUED FOR REVIEW	11-APR-19	VM
C	REVISED PER CITY COMMENTS	20-MAR-19	VM
B	REVISED PER CITY COMMENT	30-NOV-18	VM
A	ISSUED FOR CLIENT REVIEW	12-APR-18	VM

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www.wsp.com

DESIGNED BY	TP	CHECKED BY	VM/TP
DRAWN BY	HK	APPROVED BY	VM
HOR. SCALE	1:500	RELEASED FOR CONSTRUCTION	
VERTICAL	1:20		
DATE	2018-03-20	DATE	

ENGINEER'S SEAL

NOT FOR CONSTRUCTION

CONSULTANT ACAD DWG. NO.
5515081-C-08

Winnipeg

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES DIVISION

WINNIPEG BIKE PROJECTS

NORTHWEST HYDRO CORRIDOR PATHWAY

CHURCH AVENUE TO LEILA AVENUE
CURVE TABLE

CITY DRAWING NUMBER: --

SHEET 8 OF 8

BID NO.
656-2019