



BILL AND HELEN NORRIE LIBRARY
FFE = 233.30

SECTION VIEW A-A
SEE PLAN C04

INSTALL 250 PVC LDS
18.00m @ 2.00%

INSTALL 150 PERFORATED HDPE DRAINAGE PIPE PER SD-245
13.30m @ 0.50%

DECK CLEANOUT
SEE PLAN C04

INSTALL 200mm DOWNSPOUT ADAPTER
C/W 200mm NON-PERFORATED DRAIN PIPE
CONNECTED TO CB 01
GROUT CB CONNECTION TO MAKE WATER TIGHT

CB 01 - 9000
RIM: 232.60
DS INV: 231.90
250 INV: 231.26
SUMP: 230.66

INSTALL 200mm DOWNSPOUT ADAPTER
C/W 200mm NON-PERFORATED DRAIN PIPE
CONNECTED TO CB 02
GROUT CB CONNECTION TO MAKE WATER TIGHT

CB 02 - 9000
RIM: 232.60
DS INV: 231.90
150 INV: 231.60
250 INV: 231.19
SUMP: 230.59

250 - CHECKMATE ULTRAFLEX IN-LINE CHECK VALVE

INSTALL 250 PVC LDS
20.80m @ 2.00%

PROTECT EXISTING TREE

REMOVE AND REPLACE EXISTING GRANULAR BASE
BENEATH DECK TO DEPTH INDICATED ON STRUCTURAL DWGS
POSITIVE DRAINAGE TOWARD CB (TYP)

REPLACE EXISTING WOOD DECK
REFER TO STRUCTURAL DWGS

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

PROPERTY LIMITS DELINEATION

DELINEATION OF PROPERTY LIMITS AS
SHOWN ON THIS DWG DOES NOT REPRESENT
A "LEGAL SURVEY". KGS GROUP MAKES NO
REPRESENTATION OR WARRANTY AS TO THE
ACCURACY OF PROPERTY LIMITS
DELINEATED ON THIS DWG, NOR ON THE
DIMENSIONAL ACCURACY OF DWG FEATURES
RELATIVE TO THOSE PROPERTY LIMITS.

UNDERGROUND STRUCTURES

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.

**ENGINEERS
GEOSCIENTISTS
MANITOBA**

Certificate of Authorization
KGS Group
No. 245

**ISSUED FOR
CONSTRUCTION**

0 2.0 4.0 6.0 8.0m
SCALE: 1:100m (24"x36")

B.M. SEE TABLE ON C01		COORDINATE SYSTEM: NAD 83 ZONE 14	
NO.	REVISIONS	DATE	BY
1	ISSUED FOR CONSTRUCTION	25/08/01	JTW

KGS GROUP			
DESIGNED BY	GTH	CHECKED BY	MAT
DRAWN BY	JTW	APPROVED BY	MAT
SCALE:	AS NOTED	RELEASED FOR CONSTRUCTION:	
DATE	25/06/02	DATE	

ENGINEER'S SEAL	
PROVIDE OF MANITOBA REGISTERED PROFESSIONAL ENGINEER	
HEINRICH Member 248182	
CONSULTANT DRAWING NO. 25-0107-007-C02.1	

THE CITY OF WINNIPEG ASSETS AND PROJECT MANAGEMENT	
PROJECT TITLE BHN LIBRARY DECK AND PATIO REMEDATION	SHEET 2 OF 6
MUNICIPAL SERVICING AND GRADING PLAN	COMPUTER FILE NAME 25-0107-007_CALL.DWG
	CITY DRAWING NUMBER N/A

KEYPLAN:

EXISTING	LEGEND-PLAN	PROPOSED
300 LDS	LAND DRAINAGE SEWER	300 LDS
300 DRAIN PIPE	WEAVING TILE	300 DRAIN PIPE
250 WWS	WASTE WATER SEWER	250 WWS
150 WM	WATER MAIN	150 WM
	HYDRO	
	TELEPHONE	
	GAS	
	HYDRANT	
	VALVE	
	MAINTENANCE HOLE	
	CATCH BASIN	
	CURB INLET	
	STRUCTURAL PILE	
	POLES	
	GUY WIRE	
	FENCE	
	LIGHT STANDARD	
	OF ROAD	
	EDGE OF ROAD	
	CONCRETE	
	GRAVEL	
	ASPHALT	
	CULVERT	
	SWALE BOTTOM	
	PROPERTY LINE	
	TREE	
	SURVEY BAR	
	GEODETIC BENCHMARK	
	TEST HOLE	
231.334	ELEVATION	(232.231)

NOTES:

1. COMPLETE ALL MUNICIPAL WORK IN ACCORDANCE WITH LATEST EDITION OF THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS UNLESS OTHERWISE NOTED.
2. ALL DESIGN ELEVATIONS SHOWN ARE FINAL FINISH ELEVATIONS.
3. ALL MATERIAL TESTING TO BE COMPLETED IN ACCORDANCE WITH CITY OF WINNIPEG REQUIREMENTS. MATERIAL TESTING TO INCLUDE DENSITY TESTING OF GRANULAR MATERIAL AND CONCRETE TESTING IF APPLICABLE.
4. CONTRACTOR TO PROTECT EXISTING TREES WITHIN LIMITS OF CONSTRUCTION.
5. CONTRACTOR SHALL RESTORE ALL SURFACES DISTURBED BY CONSTRUCTION TO EQUAL OR BETTER CONDITION THAN PRIOR TO WORK.
6. PATIO RECONSTRUCTION:
 - 6.1. SALVAGE AND CLEAN EXISTING UNIT PAVERS FOR RE-INSTALLATION
 - 6.2. REMOVE AND DISPOSE OF EXISTING BASE COURSE
 - 6.3. EXCAVATE EXISTING SUBGRADE TO REMOVE ORGANIC LAYER AT APPROX ELEV 232.43
 - 6.4. REPLACE AND RE-COMPACT SUB-GRADE TO DESIGN GRADES USING APPROVED INSITU MATERIAL AND SUPPLEMENTING WITH APPROVED IMPORTED MATERIAL AS REQUIRED
 - 6.5. SUPPLY AND PLACE NON-WOVEN GEOTEXTILE
 - 6.6. SUPPLY AND PLACE 200mm THICK GRANULAR B BASE COURSE
 - 6.7. RE-INSTALL SALVAGED UNIT PAVERS C/W 25mm THICK COMPACTED BEDDING SAND
 - 6.8. REFER TO DETAILS ON DWG C03 FOR FURTHER INFORMATION
7. CATCH BASIN FRAME AND COVERS TO BE GRATED TITAN TF-105 OR APPROVED EQUAL.
8. CONTRACTOR TO SUBMIT PRODUCT SHOP DRAWINGS FOR APPROVAL FROM THE CONTRACT ADMINISTRATOR PRIOR TO WORK.
9. LOCATIONS 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, EXACT LOCATION AND DEPTH OF ALL SERVICES MUST BE OBTAINED FROM INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.
10. LOCATIONS OF PROPERTY LIMITS AND EXISTING AND/OR PROPOSED FEATURES RELATIVE TO THESE LIMITS AS SHOWN DO NOT REPRESENT A LEGAL SURVEY. KGS GROUP MAKES NO REPRESENTATION OR GUARANTEE THAT THE PROPERTY LIMIT INFORMATION SHOWN IS ACCURATE, AND ACCEPTS NO RESPONSIBILITY FOR ANY DAMAGES SUFFERED BY ANY THIRD PARTY AS A RESULT OF DECISIONS OR ACTIONS BASED ON THIS DRAWING.
11. ALL SURFACES AND ANY EXISTING UTILITIES DAMAGED OR DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO ITS ORIGINAL CONDITION OR BETTER, OR REPLACED, AT THE CONTRACTORS EXPENSE.

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PLOT 1:1 (A-1) 2025-07-31