



- CONSTRUCTION NOTES:**
1. THE CONTRACTOR MUST COMPLY WITH ALL SPECIFICATIONS OUTLINED IN E23 - OPERATING CONSTRAINTS FOR WORK IN CLOSE PROXIMITY TO FEEDERMAINS.
 2. PROPOSED WATERMAIN RENEWAL TO BE COMPLETED BY OTHERS IN JUNE / JULY 2011.
 3. EXIST. ALUMINUM GUARDRAIL TO BE SALVAGED AND DELIVERED TO CITY YARD. IN ACCORDANCE WITH E21

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

- WARNING**
- IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:
1. NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
 2. TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS SEE PROVINCIAL REGULATION 210/72 FOR DETAILS.
 3. OBTAIN EXCAVATION PERMITS PRIOR TO CONSTRUCTION.

150 WM	150 WM	HYDRO	HYDRO	150 mm W.M.	WATERMAIN	150 mm W.M.
⊗	⊗	MTS	MTS	+	HYDRANT VALVE	+
300 LDS	300 LDS			300 mm L.D.S.	LAND DRAINAGE SEWER	300 mm L.D.S.
250 WWS	250 WWS			250 mm W.W.S.	WASTE WATER SEWER	250 mm W.W.S.
○	●			—	MANHOLE	—
□	■			—	CATCH BASIN	—
▽	▽			—	CURB INLET	—
—	—			—	JUNCTIONS	—
—	—			—	CULVERT	—
100 GAS	100 GAS			—	GAS	—
EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING

UNDERGROUND STRUCTURES

SUPPLY, 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.

NO.	REVISIONS	DATE	BY
2	ISSUED FOR ADDENDUM #1	11/07/04	JNC
1	ISSUED FOR TENDER	11/06/23	JNC

B.M. 654271 N 5517192.470 E 632610.651
ELEV. 233.084

DESIGNED BY	DESIGNED BY
RTP	
DRAWN BY	DRAWN BY
PMW	
CHECKED BY	CHECKED BY
JNC	
APPROVED BY	APPROVED BY
DPK	
HOR. SCALE	HOR. SCALE
1:250	
VERTICAL	VERTICAL
1:10	
DATE	DATE
2011/06/23	

RELEASED FOR CONSTRUCTION
ORIGINAL SIGNED BY B. KIBBINS
DATE 11/06/23

ENGINEER'S SEAL

PROVINCE OF MANITOBA
ORIGINAL STAMPED BY
J.N. CRANG
2011/06/23
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT PROJECT NUMBER
11-4587

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

BISON DRIVE & PEMBINA HIGHWAY
INTERSECTION IMPROVEMENTS

PAVING AND GRADING
STA: 0+505 TO 0+685

CITY DRAWING NUMBER
P-3327-13

SHEET
13 OF 24

CONSULTANT DRAWING NUMBER

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