



CONSTRUCTION NOTES:

- ALL PVC PIPE SHALL HAVE CLASS B-TYPE 3 BEDDING AND ALL CONCRETE PIPE SHALL HAVE CLASS B-SAND BEDDING.
- ALL BACKFILL TO BE CLASS 3.
- CB LEADS TO BE INSTALLED AT MIN. 1.0% SLOPE OR AS DIRECTED BY CONTRACT ADMINISTRATOR.
- PIPE INSTALLED IN C.P.R. R.O.W. TO BE INSTALLED USING PIPE JACKING METHOD. NO EXCAVATIONS ARE PERMITTED WITHIN THE C.P.R. R.O.W.
- PIPE CROSSING IN C.P.R. R.O.W. TO BE CONSTRUCTED, MAINTAINED, AND OPERATED IN ACCORDANCE WITH TCE-10 STANDARDS.
- INSTALL 150 mm SUB DRAIN IN BOTH DIRECTIONS OF CATCH BASINS ALONG PAVEMENT EDGE AS PER SD-245 AND CAP ENDS.

PIPE SPECIFICATIONS	
CARRIER PIPE	O.D. 1118MM W.T. = 102MM
SPEC. DIRECTION OF FLOW	ASTM C76 - CL5 CONC. WEST TO EAST
MAX. WORKING PRESSURE	GRAVITY
MATERIAL TO BE CONVEYED	STORM SEWER
INSTALLATION METHOD	JACK/BORE

NOTE:
SIGNIFICANT CHANGES TO THE LDS DESIGN WERE MADE FOR ADDENDUM NO. 3 PLEASE REVIEW ALL ASPECTS OF PLAN/PROFILES

WARNING **METRIC**

IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:

- NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
- TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS SEE PROVINCIAL REGULATION 210/72 FOR DETAILS.
- OBTAIN EXCAVATION PERMITS PRIOR TO CONSTRUCTION.

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

APEGM
Certificate of Authorization
Dillon Consulting Limited (MB)
No. 1789 Date: 01/14/2014

150 WM		150 WM		HYDRO		HYDRO		150 WM		WATERMAIN		150 WM		B.M. ELEV.		DESIGNED BY		ENGINEER'S SEAL		THE CITY OF WINNIPEG		CITY DRAWING NUMBER			
150 WM	HYDRANT	150 WM	HYDRO	HYDRO	M.T.S.	150 WM	WATERMAIN	150 WM	CONCRETE	150 WM	HYDRANT	150 WM	WATERMAIN	150 WM	DESIGNED BY	WPN	ENGINEER'S SEAL	THE CITY OF WINNIPEG	CONC. VALVE	CONCRETE	PANET ROAD/MOLSON STREET	P-3350-37			
300 LDS	LAND DRAINAGE SEWER	300 LDS	LAND DRAINAGE SEWER	300 LDS	LAND DRAINAGE SEWER	300 LDS	LAND DRAINAGE SEWER	300 LDS	ASPHALT	300 LDS	LAND DRAINAGE SEWER	300 LDS	LAND DRAINAGE SEWER	300 LDS	DRAWN BY	TJH	PROVINCE OF MANITOBA	Winnipeg	W.P. NAIRN	ASPHALT	CONCRETE	RECONSTRUCTION AND TWINNING	37 OF 47		
250 WWS	WASTE WATER SEWER	250 WWS	WASTE WATER SEWER	250 WWS	WASTE WATER SEWER	250 WWS	WASTE WATER SEWER	250 WWS	PLANING	250 WWS	WASTE WATER SEWER	250 WWS	WASTE WATER SEWER	250 WWS	CHECKED BY	JNC	REGISTERED PROFESSIONAL ENGINEER	Member	34277	PLANING	ASPHALT	CONCRETE	37 OF 47		
MANHOLE	MANHOLE	MANHOLE	MANHOLE	MANHOLE	MANHOLE	MANHOLE	MANHOLE	MANHOLE	SIDEWALK	SIDEWALK	SIDEWALK	SIDEWALK	SIDEWALK	APPROVED BY	DPK	RELEASER FOR CONSTRUCTION	DATE	01/14/2014	REGISTERED PROFESSIONAL ENGINEER	DATE	01/14/2014	DATE	01/14/2014	CONSULTANT DRAWING NUMBER	
CATCH BASIN	CATCH BASIN	CATCH BASIN	CATCH BASIN	CATCH BASIN	CATCH BASIN	CATCH BASIN	CATCH BASIN	CATCH BASIN	PARTIAL DEPTH REPAIR	PARTIAL DEPTH REPAIR	PARTIAL DEPTH REPAIR	PARTIAL DEPTH REPAIR	PARTIAL DEPTH REPAIR	HOR. SCALE	1:250	CONSULTANT PROJECT NUMBER	12-7055	REGISTERED PROFESSIONAL ENGINEER	DATE	01/14/2014	DATE	01/14/2014	DATE	01/14/2014	CONSULTANT DRAWING NUMBER
CURB INLET	CURB INLET	CURB INLET	CURB INLET	CURB INLET	CURB INLET	CURB INLET	CURB INLET	CURB INLET	PROPERTY LINE	PROPERTY LINE	PROPERTY LINE	PROPERTY LINE	PROPERTY LINE	VERTICAL	1:50	CONSULTANT PROJECT NUMBER	12-7055	REGISTERED PROFESSIONAL ENGINEER	DATE	01/14/2014	DATE	01/14/2014	DATE	01/14/2014	CONSULTANT DRAWING NUMBER
JUNCTIONS	JUNCTIONS	JUNCTIONS	JUNCTIONS	JUNCTIONS	JUNCTIONS	JUNCTIONS	JUNCTIONS	JUNCTIONS	DRAINAGE ARROW	DRAINAGE ARROW	DRAINAGE ARROW	DRAINAGE ARROW	DRAINAGE ARROW	NO. REVISIONS	DATE	DATE	DATE	REGISTERED PROFESSIONAL ENGINEER	DATE	01/14/2014	DATE	01/14/2014	DATE	01/14/2014	CONSULTANT DRAWING NUMBER
CULVERT	CULVERT	CULVERT	CULVERT	CULVERT	CULVERT	CULVERT	CULVERT	CULVERT	CURB RAMP	CURB RAMP	CURB RAMP	CURB RAMP	CURB RAMP	DATE	01/14/2014	DATE	01/14/2014	REGISTERED PROFESSIONAL ENGINEER	DATE	01/14/2014	DATE	01/14/2014	DATE	01/14/2014	CONSULTANT DRAWING NUMBER
100 GAS	GAS	100 GAS	GAS	100 GAS	GAS	100 GAS	GAS	100 GAS	LEGEND-PLAN	LEGEND-PLAN	LEGEND-PLAN	LEGEND-PLAN	LEGEND-PROFILE	DATE	01/14/2014	DATE	01/14/2014	REGISTERED PROFESSIONAL ENGINEER	DATE	01/14/2014	DATE	01/14/2014	DATE	01/14/2014	CONSULTANT DRAWING NUMBER
EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PROFILE	PROPOSED	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PROFILE	PROPOSED	DATE	01/14/2014	DATE	01/14/2014	REGISTERED PROFESSIONAL ENGINEER	DATE	01/14/2014	DATE	01/14/2014	DATE	01/14/2014	CONSULTANT DRAWING NUMBER

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