

**CONSTRUCTION NOTES:**

- ALL DIMENSIONS ARE TO BACK OF CURB.
- ISOLATE MISCELLANEOUS ITEMS IN NEW CONCRETE WORKS AS PER SD-228C.
- LEGAL PLAN AND UNDERGROUND INFORMATION FROM CITY OF WINNIPEG LBIS. CONTRACTOR TO VERIFY ALL UNDERGROUNDS IN THE FIELD.
- CONTRACTOR TO TAKE PRECAUTIONARY STEPS TO AVOID DAMAGE FROM CONSTRUCTION ACTIVITIES TO TREES WITHIN THE LIMITS OF CONSTRUCTION.
- LOCATION OF EXISTING SERVICES TO BE CONFIRMED IN THE FIELD BY THE CONTRACTOR.
- CB LEADS TO BE INSTALLED AT MIN. 1.0% SLOPE OR AS DIRECTED BY CONTRACT ADMINISTRATOR.
- LIMITS OF SIDEWALK RENEWAL TO BE FINALIZED IN THE FIELD BY THE CONTRACT ADMINISTRATOR.
- LIMITS OF BOULEVARD GRADING TO BE FINALIZED IN THE FIELD BY THE CONTRACT ADMINISTRATOR.
- ALL EXISTING LONG WATER SERVICES TO BE INSULATED AS PER SD-018 (AS REQUIRED).
- ALL BOULEVARDS TO BE SOD UNLESS OTHERWISE NOTED.
- CONTRACTOR TO TAKE PRECAUTIONARY STEPS TO PROTECT EXISTING TREES WITHIN THE LIMITS OF CONSTRUCTION FROM DAMAGE BY CONSTRUCTION ACTIVITIES AS OUTLINED IN THE SPECIFICATIONS.
- INSTALL 6 m OF 150 mm SUBDRAIN TO CATCH BASINS IN BOTH DIRECTIONS PARALLEL TO ROADWAY AS PER SD-245 AND CAP ENDS.
- INSTALL 150 mm SUBDRAIN ALONG ROADWAY NEAR RETAINING WALLS THROUGHOUT UNDERPASS AREA.
- MODIFIED BARRIER CURB AT ALL INTERSECTION RADII (SEE SHEETS CT-001 AND CT-002).
- ADJUST MANHOLE FRAMES, CATCH BASIN RIMS AND VALVES TO NEW GRADES, AS REQUIRED.
- CONTRACTOR TO TAKE PRECAUTIONARY STEPS WHEN WORKING IN PROXIMITY TO 200 mm HYDRO GAS LINE, INCLUDING SAFETY WATCH AS REQUIRED.

f.o.b. = FACE OF BARRIER  
b.o.c. = BACK OF CURB

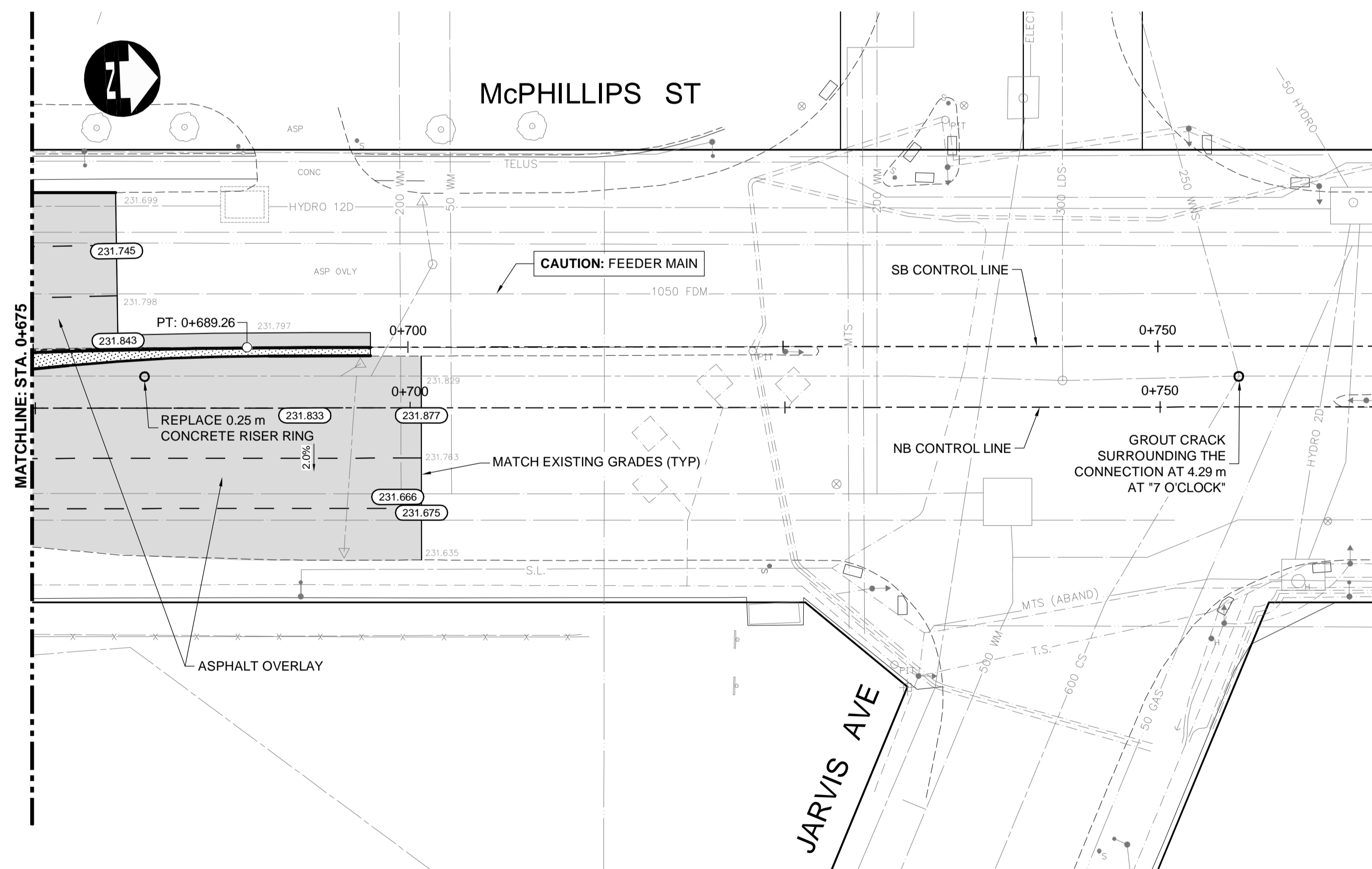
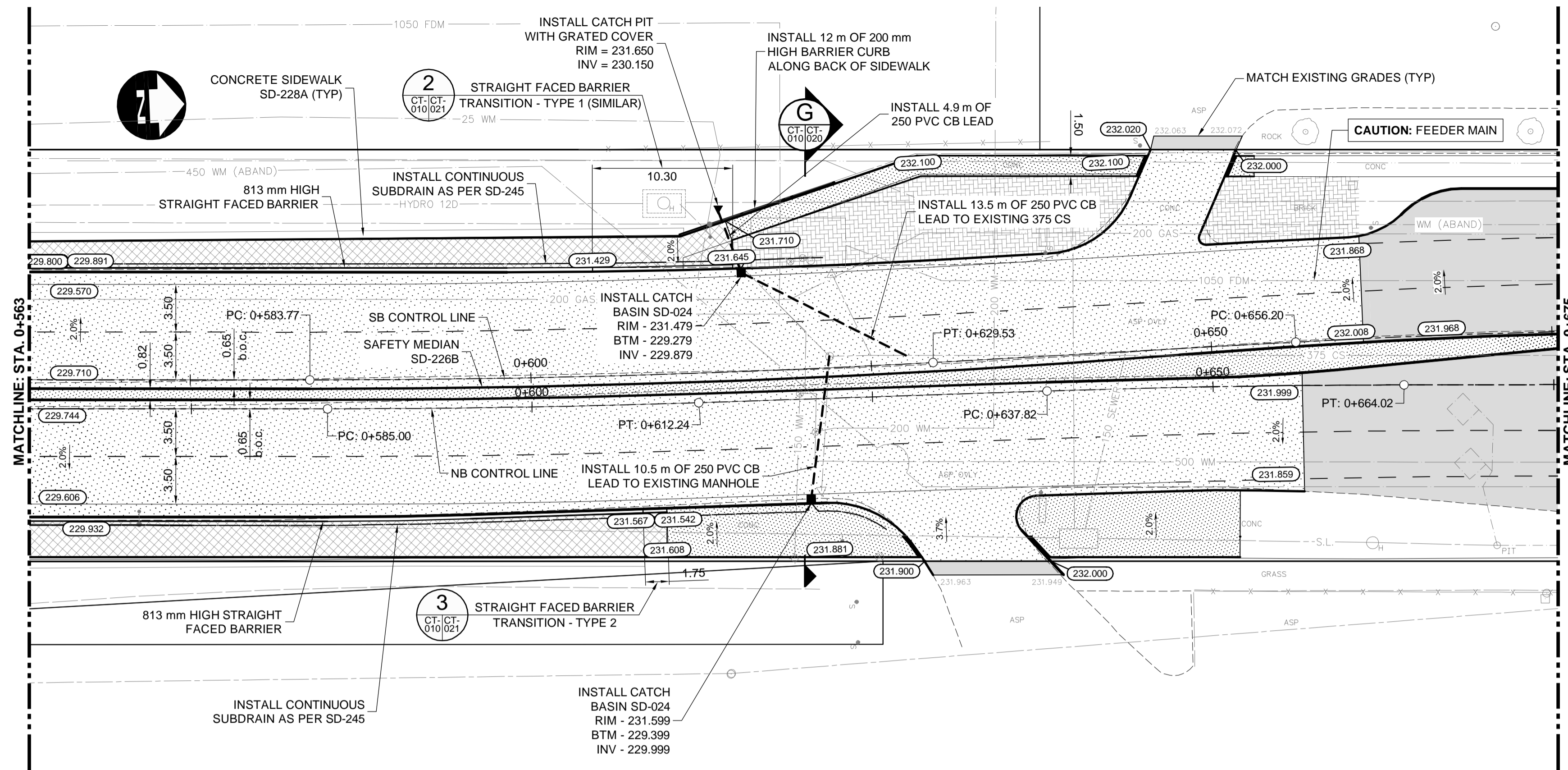
**METRIC**

WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMAL NUMBERS INDICATE METRES

**WARNING**

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.



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150 WM	WATERMAIN	150 WM	CONCRETE	150 WM	WATERMAIN	150 WM
HYDRANT	HYDRANT	ASPHALT	ASPHALT	300 LDS	LAND DRAINAGE SEWER	300 LDS
VALVE	VALVE	PLANING	PLANING	250 WWS	WASTE WATER SEWER	250 WWS
MANHOLE	MANHOLE	SIDEWALK	SIDEWALK	+	HYDRANT	+
CATCH BASIN	CATCH BASIN	PAVING STONES	PAVING STONES	X	VALVE	X
CURB INLET	CURB INLET	STRUCTURAL SIDEWALK	STRUCTURAL SIDEWALK	⊕	PROFILE	⊕
300 LDS	LAND DRAINAGE SEWER	PROPERTY LINE	PROPERTY LINE	⊖	NORTH/WEST GUTTER	⊖
250 WWS	WASTE WATER SEWER	DRAINAGE ARROW	DRAINAGE ARROW	⊙	SOUTH/EAST GUTTER	⊙
HYDRO	HYDRO	CURB RAMP (SD-229C)	CURB RAMP (SD-229C)	⊙	NORTH/WEST DITCH	⊙
MTS	M.T.S.	DETECTABLE WARNING SURFACE TILE (SD-229AA)	DETECTABLE WARNING SURFACE TILE (SD-229AA)	⊙	SOUTH/EAST DITCH	⊙
100 GAS	GAS					
EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING

UNDERGROUND STRUCTURES	
SUPPLY 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 EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.	

B.M. ELEV.	
DESIGNED BY	RTP
DRAWN BY	TJH
CHECKED BY	TS
APPROVED BY	TJP
HOR. SCALE	1:250
VERTICAL	1:10
0 ISSUED FOR TENDER	18/03/16 TJP
NO. REVISIONS	DATE BY

RELEASED FOR CONSTRUCTION	DATE
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ENGINEER'S SEAL	
PROVINCE OF MANITOBA	
REGISTERED PROFESSIONAL ENGINEER	
T.J. PETERS	
Member 22309	
CONSULTANT PROJECT NUMBER	17-6152

**THE CITY OF WINNIPEG**  
PUBLIC WORKS DEPARTMENT

2018 REGIONAL STREET RENEWAL PROJECT  
McPHILLIPS STREET RECONSTRUCTION AND UNDERPASS  
STRUCTURAL IMPROVEMENTS  
LOGAN AVENUE TO JARVIS AVENUE

McPHILLIPS STREET - STA. 0+563 TO END (PLAN)

CITY DRAWING NUMBER P-3492-2018-CT-010  
SHEET 010 OF 021  
CONSULTANT DRAWING NUMBER CT-010