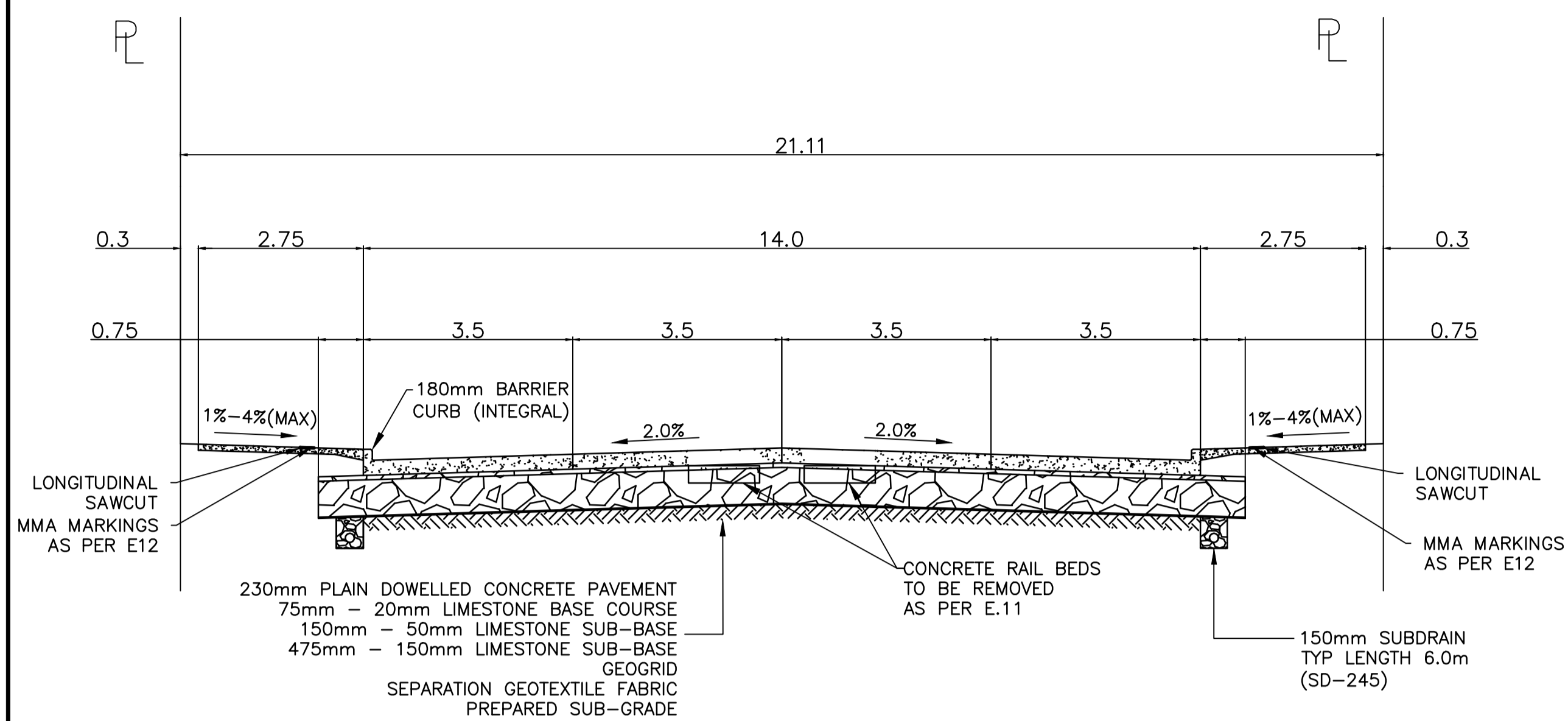


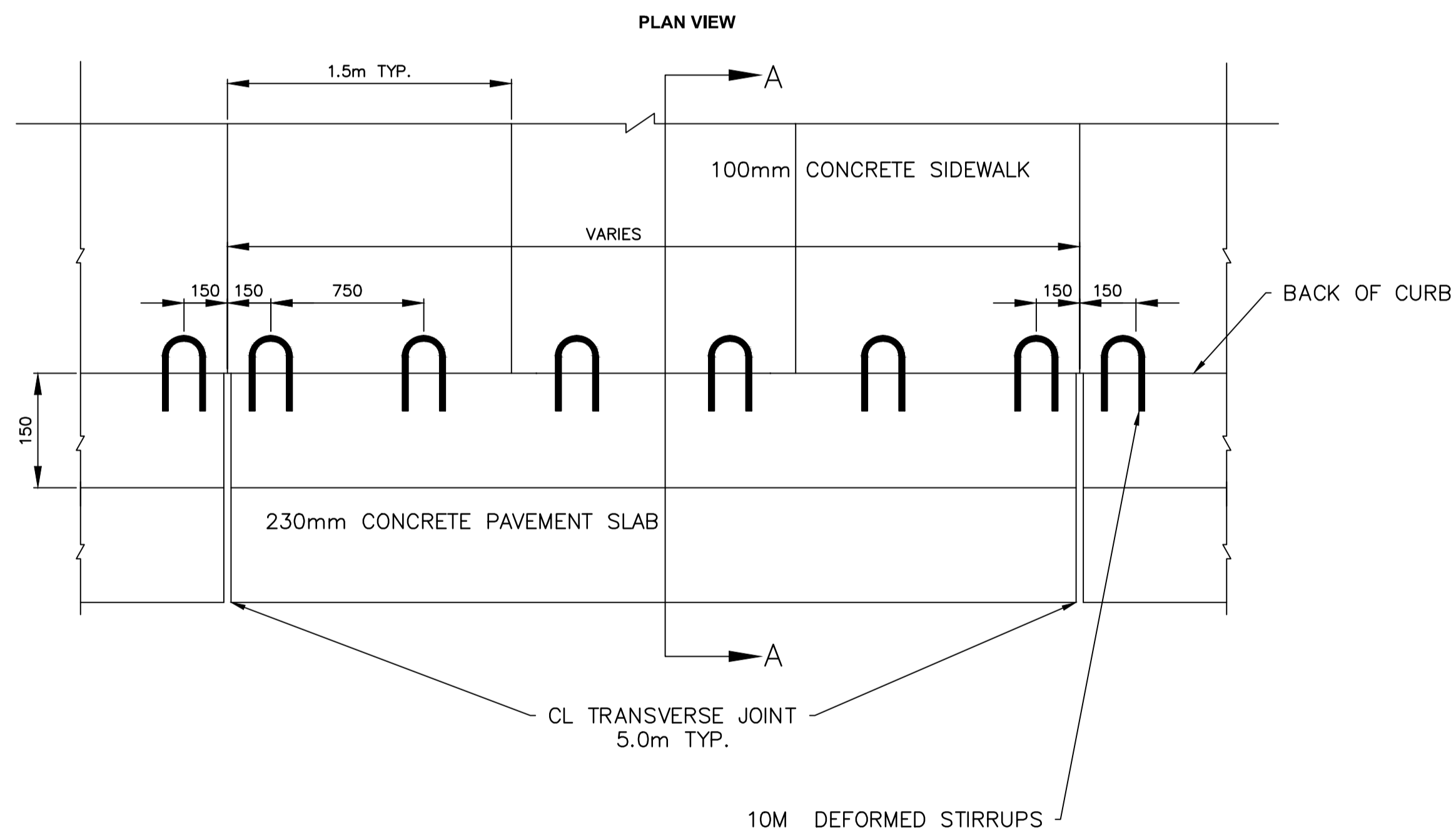
NORTH

SOUTH

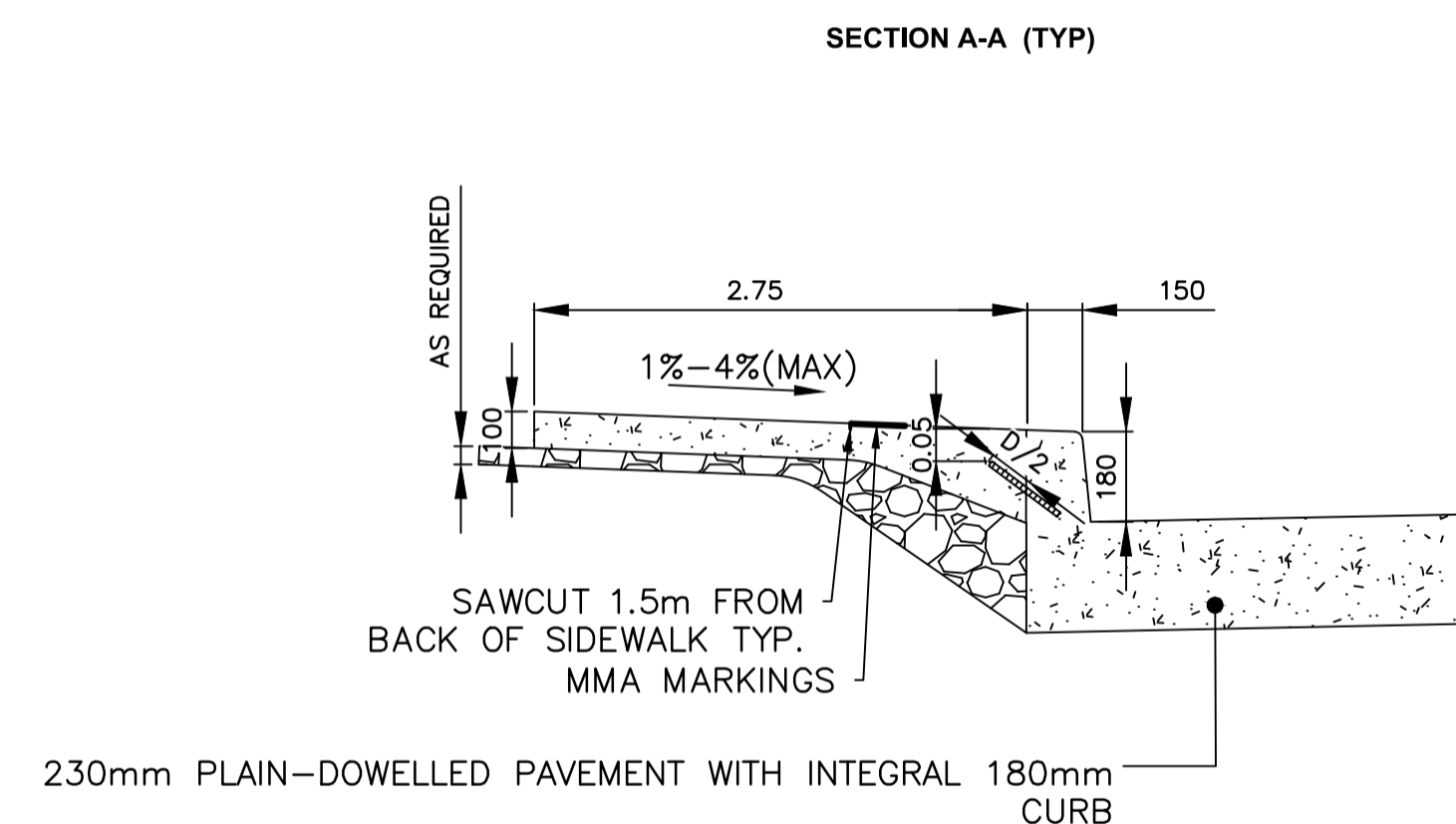


NOTE: INSTALL WATER SERVICES INSULATION AS PER CW 2110, E.13 AND SD-018

### LOGAN AVENUE CONCRETE RECONSTRUCTION CROSS-SECTION (TYP) N.T.S.



### 100mm CONCRETE SIDEWALK WITH THICKENED EDGE DETAIL (TYP) N.T.S.



**PRELIMINARY**  
NOT TO BE USED FOR  
CONSTRUCTION

- CONSTRUCTION NOTES**
- 1) CURB REPLACEMENT AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
  - 2) ALL STREET RADIUS CURB UNDER 15M RADIUS SHALL BE REPLACED AS MODIFIED OR AS DIRECTED BY THE CONTRACT ADMINISTRATOR.
  - 3) PAVEMENT REPAIRS SHOWN ARE ONLY A REPRESENTATIVE SAMPLE OF THE TENDERED QUANTITIES
  - 4) ASPHALT TIE-INS ON APPROACHES TO BE DETERMINED IN THE FIELD BY THE CONTRACT ADMINISTRATOR.
  - 5) ALL BULLNOSES TO HAVE SLOPED FACE.
  - 6) INSTALL DETECTABLE WARNING SURFACE TILES AT CURB RAMPS AS PER CW 3326

**WARNING**

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

- 1) OBTAIN CLEARANCE FROM THE GAS UTILITY PRIOR TO EXCAVATION.
- 2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS UTILITY INSTALLATIONS.

SEE PROVINCIAL REGULATION 210/72 FOR DETAILS

METRIC  
WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES

BID OPPORTUNITY NO. 12-2016

<table border="1"> <tr><td>⊕</td><td>HYDRANT</td><td>◆</td><td>---</td><td>LDS/WWS</td><td>---</td><td>▨</td><td>SIDEWALK BLOCKS</td><td>▨</td><td>LOCATION APPROVED</td></tr> <tr><td>⊗</td><td>VALVE</td><td>●</td><td>---</td><td>WATERMAIN</td><td>---</td><td>▨</td><td>PAVING STONES</td><td>▨</td><td>UNDERGROUND STRUCTURES</td></tr> <tr><td>⊕</td><td>CURB STOP</td><td>●</td><td>---</td><td>GAS</td><td>---</td><td>▨</td><td>ASPHALT OVERLAY</td><td>▨</td><td></td></tr> <tr><td>▬</td><td>CONCRETE SIDEWALK</td><td>▬</td><td>---</td><td>TRAFFIC SIGNALS</td><td>▬</td><td>▬</td><td>FENCE</td><td>▬</td><td></td></tr> <tr><td>○</td><td>O.L.S.</td><td>●</td><td>---</td><td>CONCRETE</td><td>▬</td><td>▬</td><td>SOD</td><td>▬</td><td></td></tr> <tr><td>○</td><td>MANHOLE</td><td>●</td><td>---</td><td>CURB RENEWAL</td><td>▬</td><td>▬</td><td>LEGEND - PLAN</td><td>▬</td><td></td></tr> <tr><td>□</td><td>CATCH BASIN</td><td>■</td><td>231.000</td><td>ELEVATIONS</td><td>[231.000]</td><td>---</td><td>NORTH GUTTER</td><td>---</td><td></td></tr> <tr><td>△</td><td>CURB INLET</td><td>▲</td><td>---</td><td>PROPERTY LINE</td><td>---</td><td>---</td><td>CENTER LINE</td><td>---</td><td></td></tr> <tr><td>☆</td><td>HYDRO POLE</td><td>☆</td><td>---</td><td>SURVEY BAR</td><td>☆</td><td>---</td><td>SOUTH GUTTER</td><td>---</td><td></td></tr> <tr><td>⊕</td><td>TRAFFIC SIGNAL POLE</td><td>⊕</td><td>---</td><td>GEODETIC BENCH MARK</td><td>---</td><td>---</td><td>NORTH SIDEWALK</td><td>---</td><td></td></tr> <tr><td>▬</td><td>MMA MARKINGS</td><td>▬</td><td>---</td><td>RAMP CURB</td><td>---</td><td>---</td><td>SOUTH SIDEWALK</td><td>---</td><td></td></tr> <tr><td>EXISTING</td><td>LEGEND - PLAN</td><td>PROPOSED</td><td>EXISTING</td><td>LEGEND - PLAN</td><td>PROPOSED</td><td>EXISTING</td><td>LEGEND - PROFILE</td><td>PROPOSED</td><td></td></tr> </table>	⊕	HYDRANT	◆	---	LDS/WWS	---	▨	SIDEWALK BLOCKS	▨	LOCATION APPROVED	⊗	VALVE	●	---	WATERMAIN	---	▨	PAVING STONES	▨	UNDERGROUND STRUCTURES	⊕	CURB STOP	●	---	GAS	---	▨	ASPHALT OVERLAY	▨		▬	CONCRETE SIDEWALK	▬	---	TRAFFIC SIGNALS	▬	▬	FENCE	▬		○	O.L.S.	●	---	CONCRETE	▬	▬	SOD	▬		○	MANHOLE	●	---	CURB RENEWAL	▬	▬	LEGEND - PLAN	▬		□	CATCH BASIN	■	231.000	ELEVATIONS	[231.000]	---	NORTH GUTTER	---		△	CURB INLET	▲	---	PROPERTY LINE	---	---	CENTER LINE	---		☆	HYDRO POLE	☆	---	SURVEY BAR	☆	---	SOUTH GUTTER	---		⊕	TRAFFIC SIGNAL POLE	⊕	---	GEODETIC BENCH MARK	---	---	NORTH SIDEWALK	---		▬	MMA MARKINGS	▬	---	RAMP CURB	---	---	SOUTH SIDEWALK	---		EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PROFILE	PROPOSED		<p>NO. 2</p> <p>1</p> <p>NO.</p>	<p>DATE</p> <p>05/02/16</p> <p>04/11/16</p> <p>DATE</p>	<p>BY</p> <p>E.H.</p> <p>E.H.</p> <p>DATE</p>	<p>DESIGNED BY</p> <p>E.H. &amp; M.D.</p> <p>DRAWN BY</p> <p>E.H. &amp; M.D.</p> <p>HOR. SCALE:</p> <p>1 : 250</p> <p>VERTICAL:</p> <p>1 : 10</p> <p>DATE</p> <p>2016/05/02</p>	<p>CHECKED BY</p> <p>APPROVED BY</p>	<p>ENGINEER'S SEAL</p> <p>PROVINCE OF MANITOBA</p> <p>REGISTERED ENGINEER</p>	<p><b>THE CITY OF WINNIPEG</b></p> <p>PUBLIC WORKS DEPARTMENT</p> <p><b>LOGAN AVENUE</b></p> <p>FROM KEEWATIN STREET TO BLAKE STREET</p> <p>CONCRETE RECONSTRUCTION AND ASSOCIATED WORKS</p> <p>MISCELLANEOUS DETAILS</p>	<p>CITY DRAWING NUMBER</p> <p>P-3473-05</p> <p>SHEET 5 OF 6</p> <p>5</p>
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