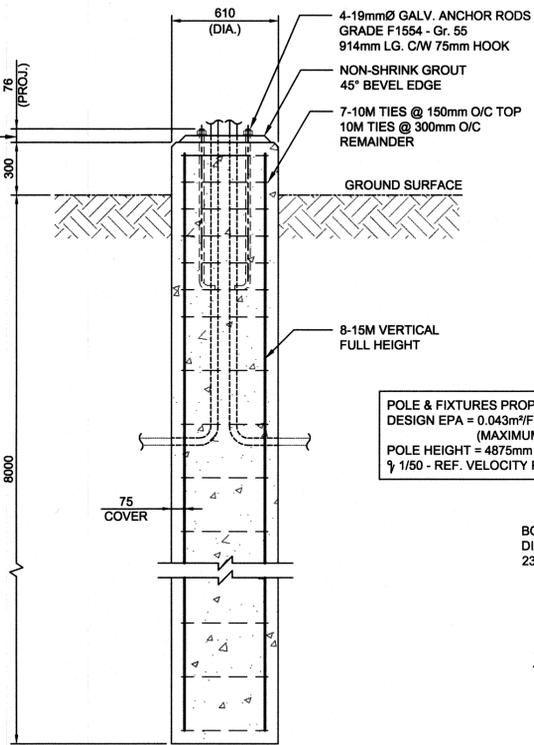
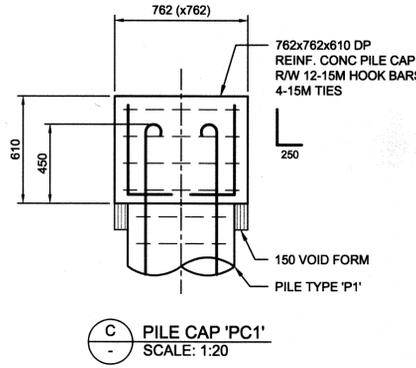


- NOTES:**
- COORDINATE EXACT PILE LOCATIONS ON SITE WITH DEPARTMENTAL REPRESENTATIVE.
  - PILE INSTALLATION EQUIPMENT TO CONSIST OF A TRACK-MOUNTED SKID STEER WITH AUGER ATTACHMENTS OR EQUIVALENT. ALL PILE EQUIPMENT SHALL BE CHOSEN TO MINIMIZE THE DISTURBANCE TO RIPARIAN FOREST.
  - SLEEVING OF THE PILES IS REQUIRED AND SHALL OCCUR SIMULTANEOUSLY WITH THE EXCAVATION.
  - GROUNDWATER INFLOWS ARE ANTICIPATED IN THE PILE EXCAVATIONS. THE EXCAVATIONS MUST BE DEWATERED PRIOR TO CONCRETE PLACEMENT OR CONCRETE SHALL BE PLACED USING TREMIE OR PUMP-IN TECHNIQUES.
  - AN ARCHAEOLOGIST IS REQUIRED TO BE ON-SITE AT ALL TIMES DURING EXCAVATION FOR THE PILE FOUNDATIONS AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
  - IN CONJUNCTION WITH THE ARCHAEOLOGICAL REQUIREMENTS, A RESEARCH AND COLLECTION PERMIT MUST BE OBTAINED FROM PARKS CANADA AGENCY PRIOR TO ANY EXCAVATION WORK.
  - THE PROPOSED WORK IS LOCATED WITHIN 107 M OF THE NORMAL SUMMER RIVER LEVEL (NSRL) AND A CITY OF WINNIPEG WATERWAY CONSTRUCTION PERMIT MUST BE OBTAINED AT THE RESPONSIBILITY OF THE CONTRACTOR PRIOR TO ANY WORK. THE CORRESPONDING KGS GROUP LETTER REPORT "THE FORKS NATIONAL HISTORIC SITE - INFRASTRUCTURE UPGRADES: GEOTECHNICAL INVESTIGATION AND FOUNDATION ASSESSMENT FOR RIVERBANK LIGHTING", DATED APRIL 2015, IS SUITABLE FOR SUBMISSION WITH A WATERWAY CONSTRUCTION PERMIT APPLICATION.

**PILE COORDINATES**

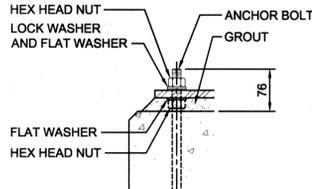
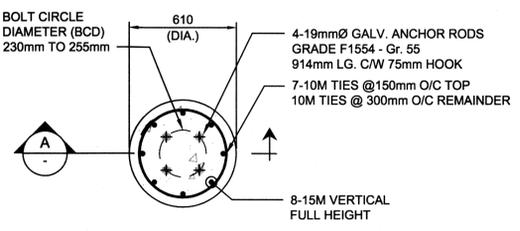
PILE No.	NORTHING (m)	EASTING (m)
1	5527659.965	634419.109
2	5527693.835	634469.433
3	5527720.671	634497.776
4	5527780.014	634515.688
5	5527819.287	634532.744
6	5527870.575	634542.319
7	5527920.853	634543.772
8	5527942.254	634522.979
9	5527968.822	634509.753
10	5528011.667	634507.913
11	5527982.234	634490.886
12	5527992.711	634490.543



**PILE SCHEDULE**

MARK	DIAMETER	PILE LENGTH (BELOW GRADE)	REMARKS
P1	610mm	8000mm	REFER TO SECTION A & DETAIL 1

**POLE & FIXTURES PROPERTIES**  
 DESIGN EPA = 0.043m<sup>2</sup>/FIXTURE (MAXIMUM 4 FIXTURES)  
 POLE HEIGHT = 4875mm  
 1/50 - REF. VELOCITY PRESSURE = 450 Pa



**A SECTION - PILE 'P1'**  
 SCALE: 1:20

**1 DETAIL - LIGHT POLE BASE**  
 SCALE: 1:20

**B SECTION - ANCHOR**  
 SCALE: 1:10

Revision	Description	Date
5		
4		
3		
2		
1		
0	ISSUED FOR CONSTRUCTION	MAY 13, 2016

**PUBLIC WORKS AND GOVERNMENT SERVICES CANADA**

Project title  
**THE FORKS NHS INFRASTRUCTURE UPGRADES**  
**THE FORKS WINNIPEG, MANITOBA**

Designed by  
 PPG  
 Drawn by  
 JAR  
 Approved by  
 Christina Kovacs  
 PWGSC Project Manager / Administrateur de Projets TPSGC

Drawing title  
**STRUCTURAL SITE PLAN PILE LAYOUT PLAN NEW CONSTRUCTION**

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
<b>R.075208.001</b>	<b>S01</b> OF 05	<b>0</b>

**APEGN**  
 Certificate of Authorization  
 KGS Group  
 No. 245

