



NEW 500 INSTRUMENT AIR LINE TO EXIT BUILDING ALONG THE NORTH WALL

UTILIZE EXISTING SUPPORTS AS APPLICABLE

SUPPORT ON EXISTING PIPE AS APPLICABLE

1 INSTRUMENT AIR  
SCALE NONE



SUPPORT ON EXISTING PIPE AS APPLICABLE. SEE DRAWING D-1005 FOR CONTINUATION

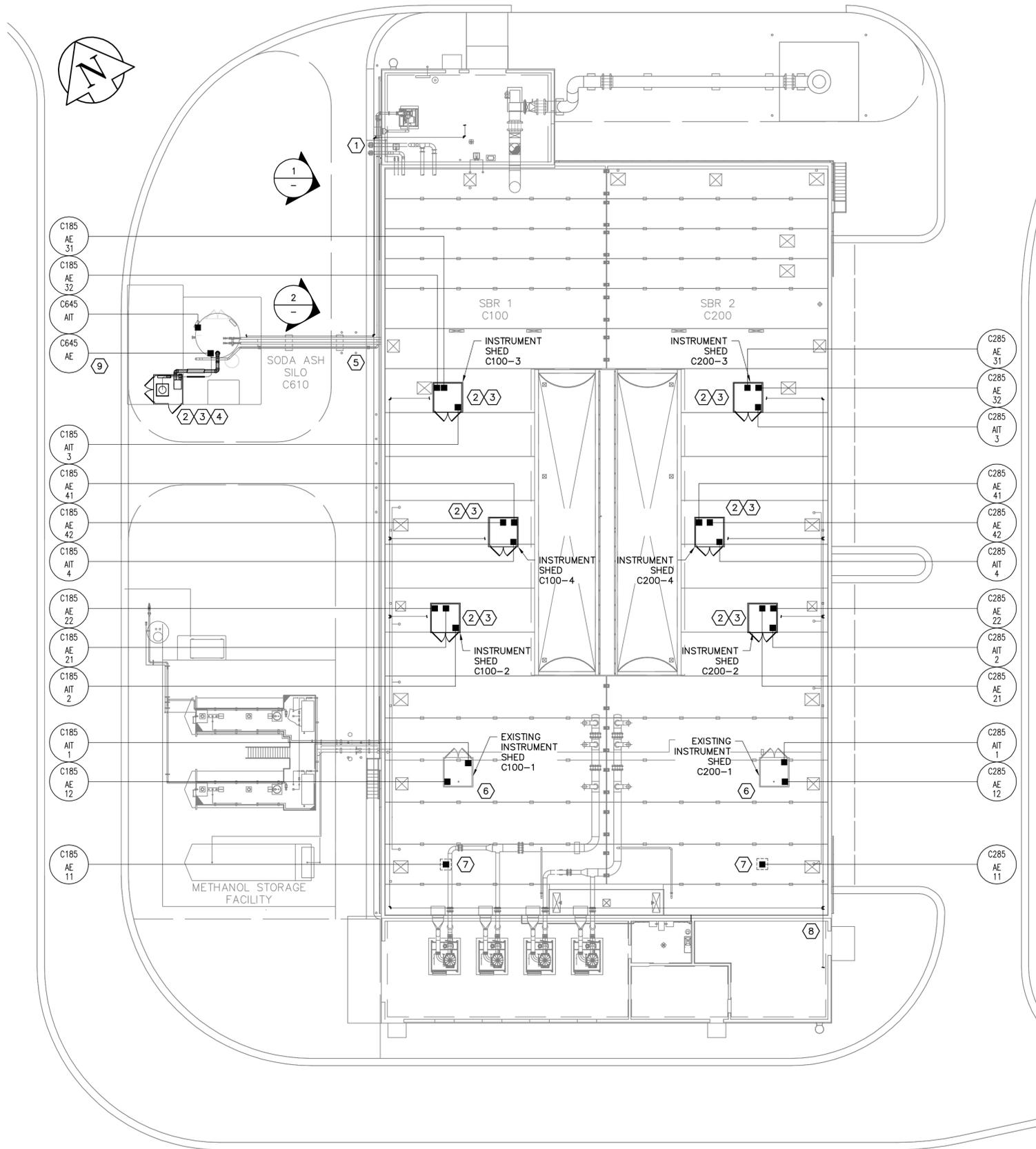
2 INSTRUMENT AIR  
SCALE NONE

KEYNOTES:

- 500 INSTRUMENT AIR LINE FROM EXISTING COMPRESSOR IN EXHAUST FAN ROOM TO SODA ASH AIR CANNONS.
  - AQUATHERM GREENPIPE, SDR 7.4
  - ROUTE OF INSTRUMENT AIR LINE IS DIAGRAMMATIC. EXACT ROUTING TO BE DETERMINED ON SITE.
  - REUSE EXISTING PIPE SUPPORTS WHERE APPLICABLE.
  - FOR DETAILS INSIDE EXHAUST FAN BUILDING, SEE DRAWING D-1004.
  - FOR DETAILS AT SODA ASH SILO, SEE DRAWING D-1005.
- PROVIDE SEVEN (7) NEW 2100m± SQUARE, INSULATED ENCLOSURES (R10), MANUFACTURED IN ACCORDANCE WITH THE 2010 NATIONAL BUILDING CODE OF CANADA:
  - WESTERN STEEL AND TUBE, 1247 CLARENCE AVE WINNIPEG MB (TO MATCH EXISTING); OR
  - ENDURO VPC FIBREGLASS ENCLOSURE MODEL 600; OR
  - APPROVED EQUAL IN ACCORDANCE WITH B6.
- PROVIDE SEVEN (7) NEW HEATERS:
  - QUELLET 208V, 3 PHASE, 3000W MAXIMUM,
  - CHROMOLOX HVH; OR
  - APPROVED EQUAL IN ACCORDANCE WITH B6.
- FOR SODA ASH SILO UPGRADES, SEE DRAWING D-1005.
- FOR NEW SA PIPING CONFIGURATION INSIDE SBR TANKS, SEE DRAWING D-1002.
- EXISTING ENCLOSURE TO REMAIN.
- PROVIDE 1.0m x 1.0m x 1.0m WOOD FRAMED, INSULATED ENCLOSURES (R10) FOR PROBE PROTECTION.
  - CONSTRUCT FROM WEATHERPROOF PRESSURE TREATED WOOD.
  - BOLTED DOWN TO THE ROOF AND CAULKED AT THE BASE.
  - FULL SIZE HINGED LID WITH DRIP EDGE TO PREVENT WATER INGRESS.
- 500 INSTRUMENT AIR LINE FROM EXISTING COMPRESSOR IN ELECTRICAL ROOM TO EACH POTENTIAL PROBE LOCATION.
  - AQUATHERM GREENPIPE, SDR 7.4
  - ROUTE OF INSTRUMENT AIR LINE IS DIAGRAMMATIC. EXACT ROUTING TO BE DETERMINED ON SITE.
  - REUSE EXISTING PIPE SUPPORTS WHERE APPLICABLE.
  - FOR DETAILS INSIDE ELECTRICAL ROOM, SEE DRAWING D-1004.
  - FOR CONNECTION TO PROBES, SEE DETAIL 2 ON DRAWING D-1003.
- PROVIDE UNISTRUT BRACKET TO SUPPORT CONDUCTIVITY PROBE. CONFIRM LOCATION WITH CONTRACT ADMINISTRATOR.

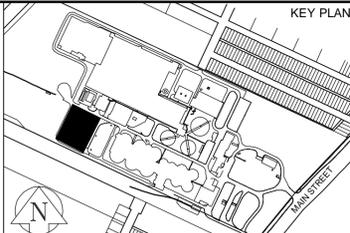
NOTES:

- FOR PROBE INSTALLATION & LOCATIONS, SEE DRAWING D-1003.
- PROBES & TRANSMITTERS WILL BE INSTALLED ON SBR 2 ONLY AT THIS TIME. PROVIDE ALL NEW QUICK CONNECTIONS & WIRING FOR EACH PROBE AT BOTH SBR TANKS. SEE INSTRUMENT LOOP DIAGRAMS FOR CONNECTION DETAILS. ONLY ONE SBR WILL BE IN SERVICE AT A TIME, WITH PROBES & TRANSMITTERS BEING RELOCATED PERIODICALLY



SITE PLAN  
SCALE : 1:200

**NOTICE:**  
AS-CONSTRUCTED DIMENSIONS, MEASUREMENTS AND OTHER DETAILS CONTAINED IN THIS RECORD DRAWING HAVE BEEN OBTAINED BY AECOM CANADA LTD. ("AECOM") FROM VARIOUS SOURCES. SUCH INFORMATION REPRESENTS THE BEST INFORMATION AVAILABLE TO AECOM AT THE TIME OF PREPARATION OF THIS RECORD DRAWING. AECOM DOES NOT IN ANY WAY REPRESENT OR WARRANT THAT SUCH INFORMATION IS ACCURATE AND ASSUMES NO RESPONSIBILITY FOR ANY ERRORS OR OMISSIONS CONTAINED THEREIN.



PERMIT TO PRACTICE  
ORIGINALLY SIGNED BY  
K. J. SEARS  
JULY-07-2016

NO.	REVISIONS	DATE	BY
01	BID OP 547-2016, ADDENDUM 2	16/07/07	SRG
00	ISSUED FOR TENDER: BID OP 547-2016	16/06/23	SRG

<b>AECOM</b>	
DESIGNED BY: NK	CHECKED BY: KJS
DRAWN BY: SRG	APPROVED BY: KJS
SCALE: HORIZONTAL 1:200	RELEASED FOR CONSTRUCTION
DATE: 2016 07 07	DATE:
PLOT DATE: 2016 07 07	

ORIGINALLY SIGNED BY  
K. J. SEARS  
JULY-07-2016

CONSULTANT DRAWING NUMBER  
**D-1001**

**THE CITY OF WINNIPEG**  
WATER AND WASTE DEPARTMENT  
ENGINEERING DIVISION

2016 NEWPCC  
SBR UPGRADES  
PROCESS  
LOCATION PLAN  
& DETAILS

CITY DRAWING NUMBER **1-0101C-P0050-001-01** SHEET **9** OF **15**