

Correctional Service
of Canada

Service Correctionnel
du Canada

LIST OF DRAWINGS

CIVIL
C-101 SITE PLAN AND PUMPING STATION
ELECTRICAL
C-501 ELECTRICAL SINGLE LINE DIAGRAMS

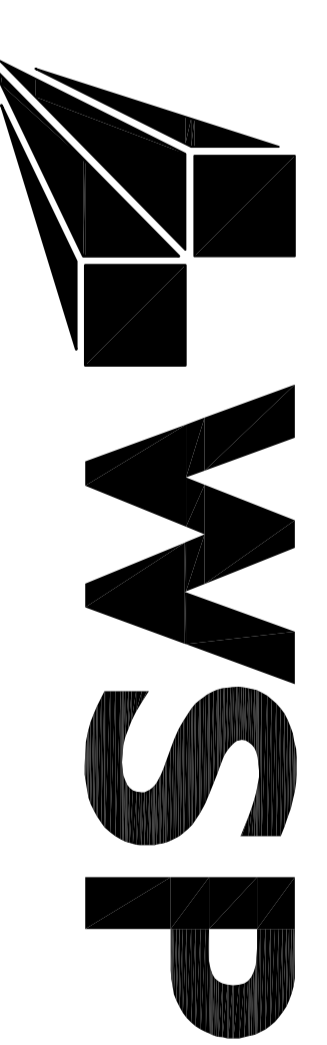
CAMPBELLFORD, ONTARIO.
WARCKWORTH INSTITUTION
SP003 PUMPING STATION

CSC Proj. No.: 460--2513--0

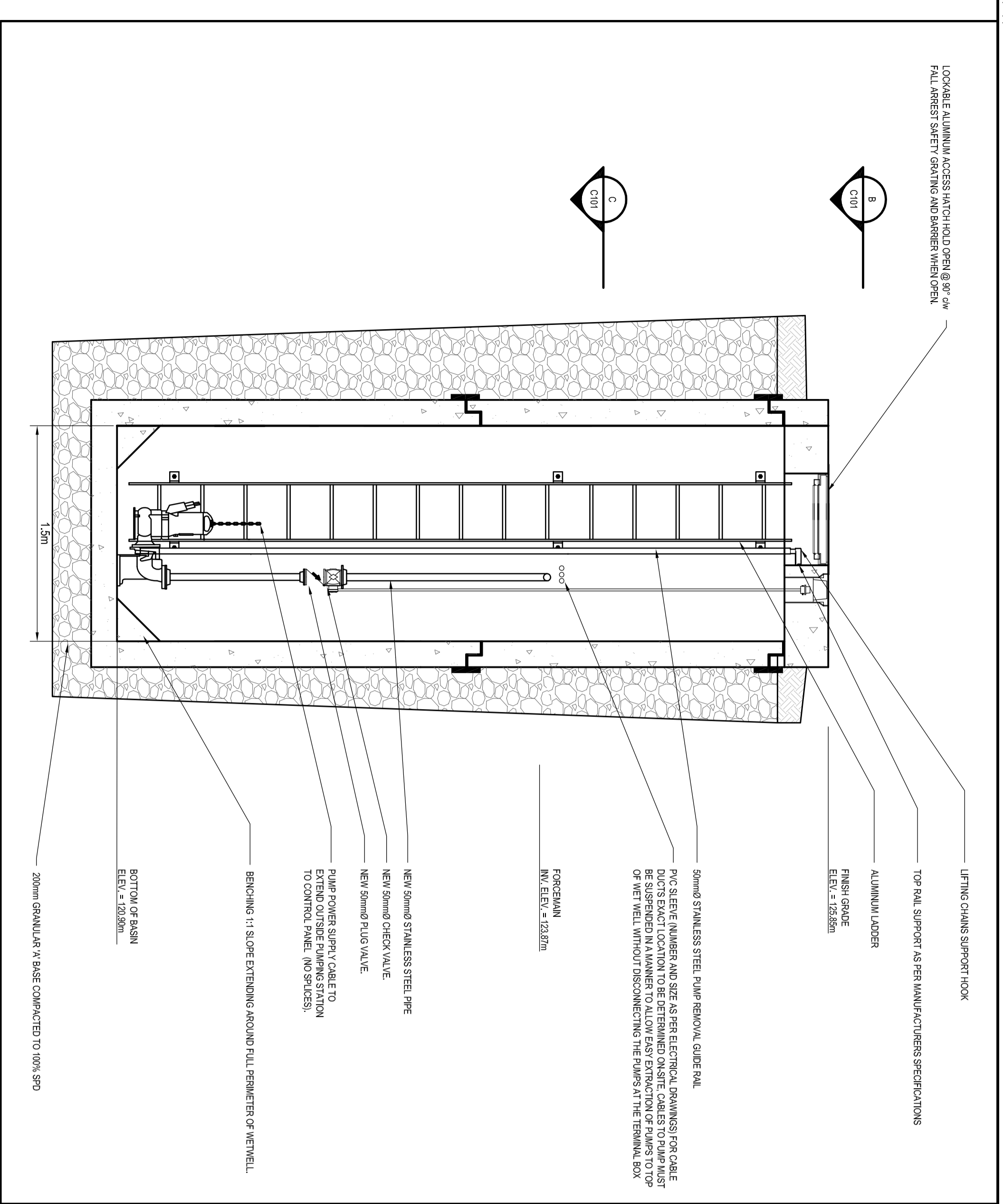
ISSUED FOR
TENDER

DATE: APRIL 12, 2016

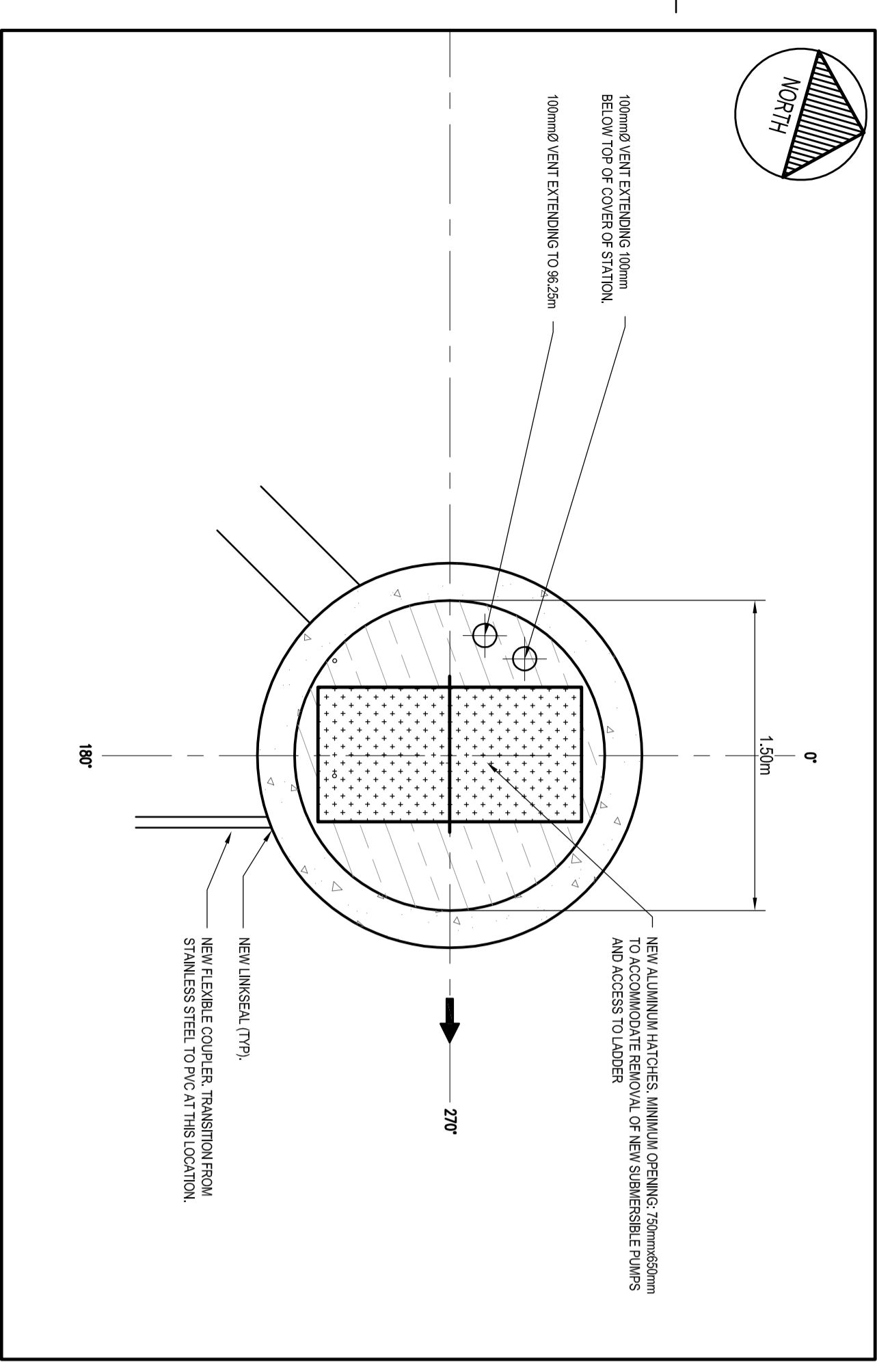
Canada



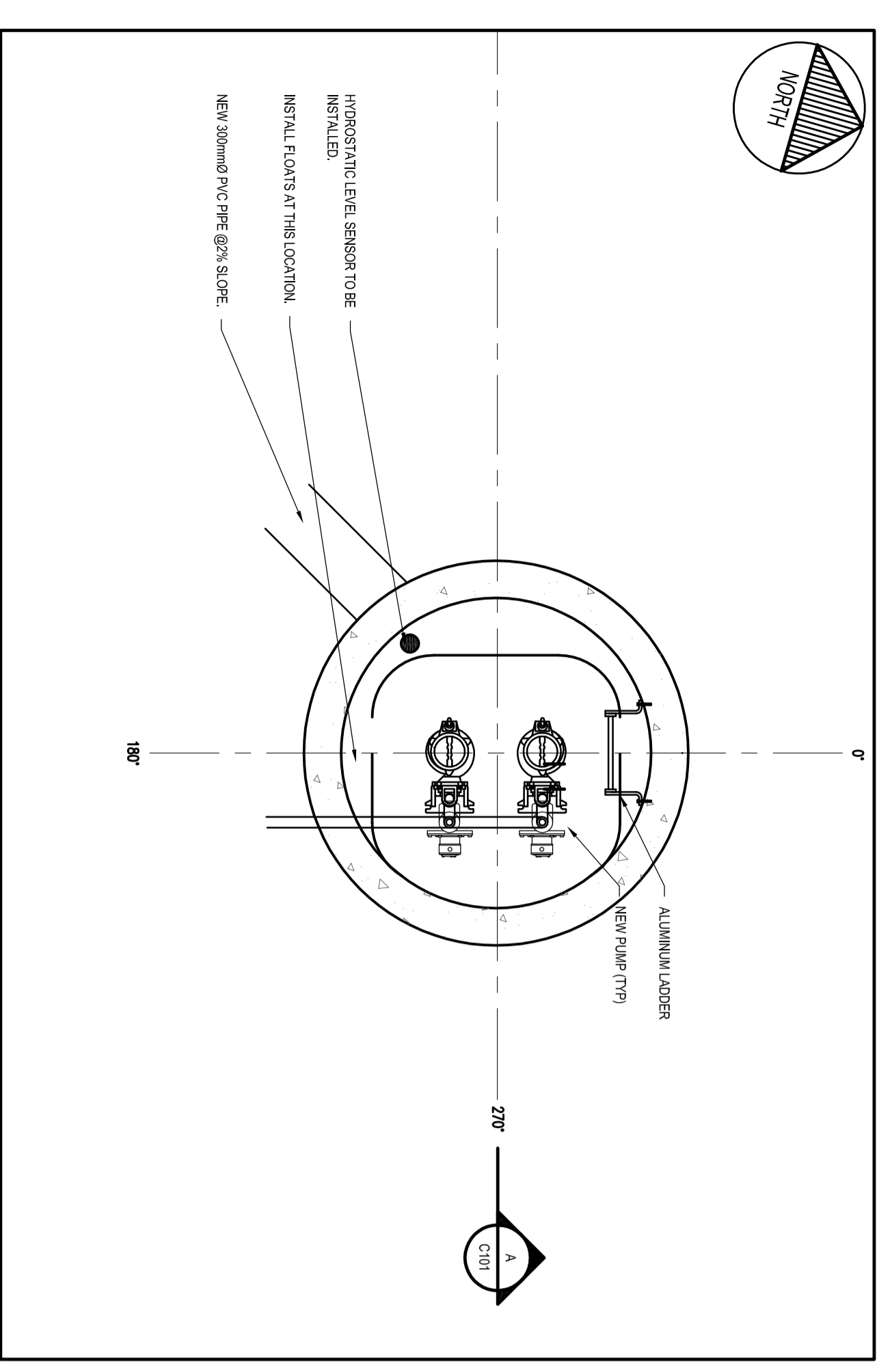
WSP CANADA INC.
1224 GARDINERS ROAD, SUITE 201, KINGSTON, ON
TEL: (613) 634-7373
FAX: (613) 634-3523
WEBSITE: www.wspgroup.com



A CROSS-SECTION
 CIP SCALE: 1:25



B PLAN VIEW
 CIP SCALE: 1:25



C PLAN VIEW SECTION
 CIP SCALE: 1:25

OPERATING ELEVATIONS (ULTRASONIC)

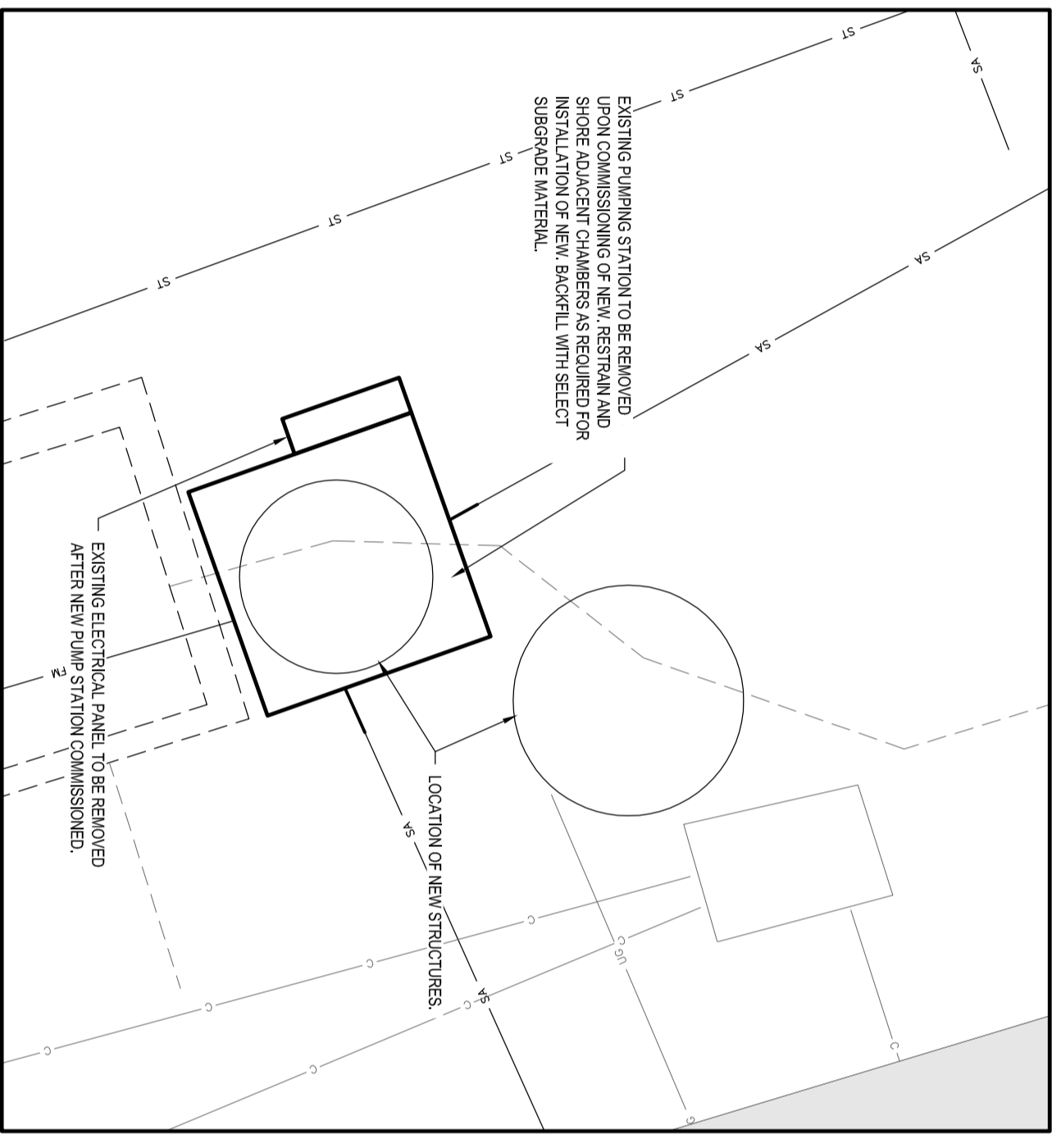
SET POINT	ELEVATION (m)
LOW LEVEL ALARM	121.30
PUMP STOP	121.40
PUMP 1 START	121.70
PUMP 2 START	121.83
HIGH LEVEL ALARM	122.00

FLOAT MOUNTING ELEVATIONS

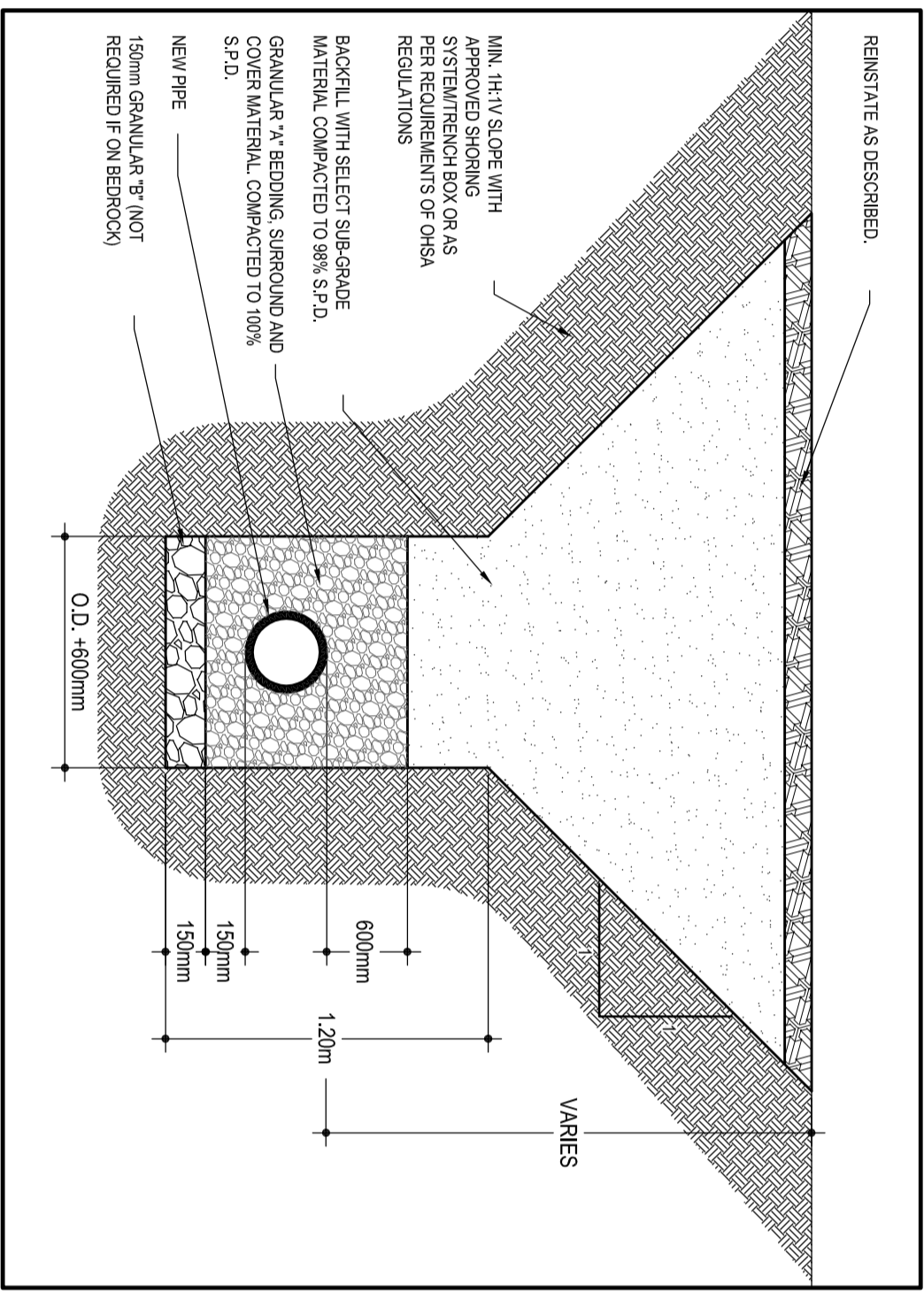
POINT	ELEVATION (m)
LOW LEVEL ALARM	121.20
PUMP STOP	121.30
PUMP ON	121.75
HIGH LEVEL ALARM	122.15

SCHEDULE OF MANHOLES & CATCH BASINS

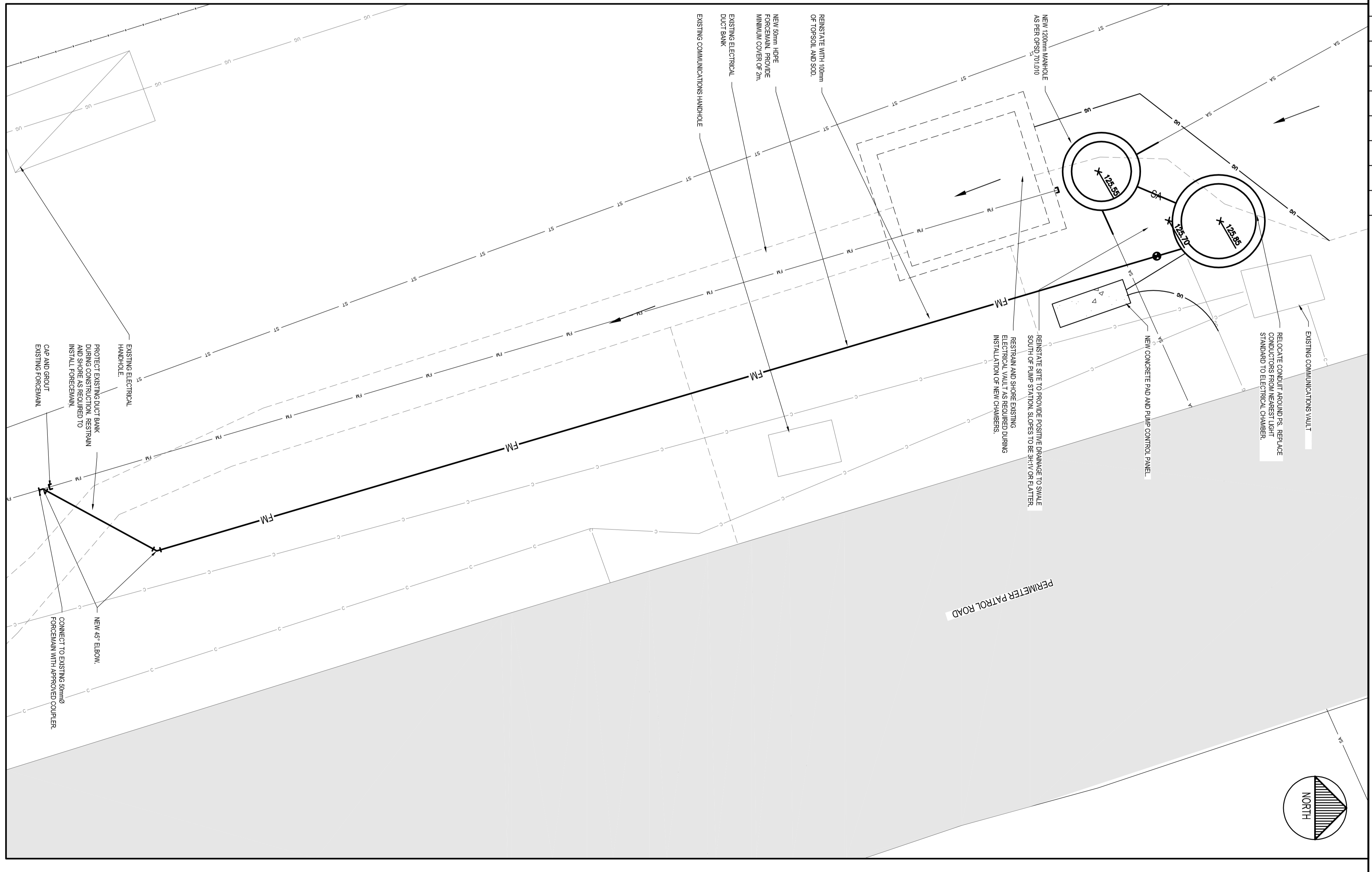
MH/CB No.	DIR.	DIR.	DIR.	DIR.	ELEVATION (m)
1/6	NORTH	SOUTH	WEST	EAST	
	(m)	INVERT	INVERT	INVERT	
MH10	125.55	122.53	-	121.88	121.88
PS	125.95	-	-	121.93	-



D REMOVALS PLAN
 CIP SCALE: 1:50



E TYPICAL SINGLE TRENCH DETAIL
 CIP SCALE: 1:25



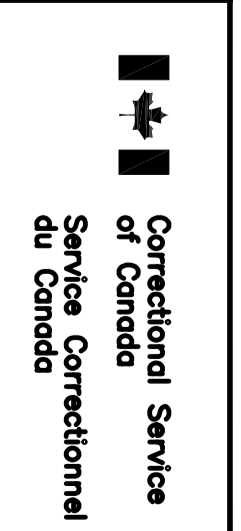
F SITE PLAN
 CIP SCALE: 1:50

NOTES

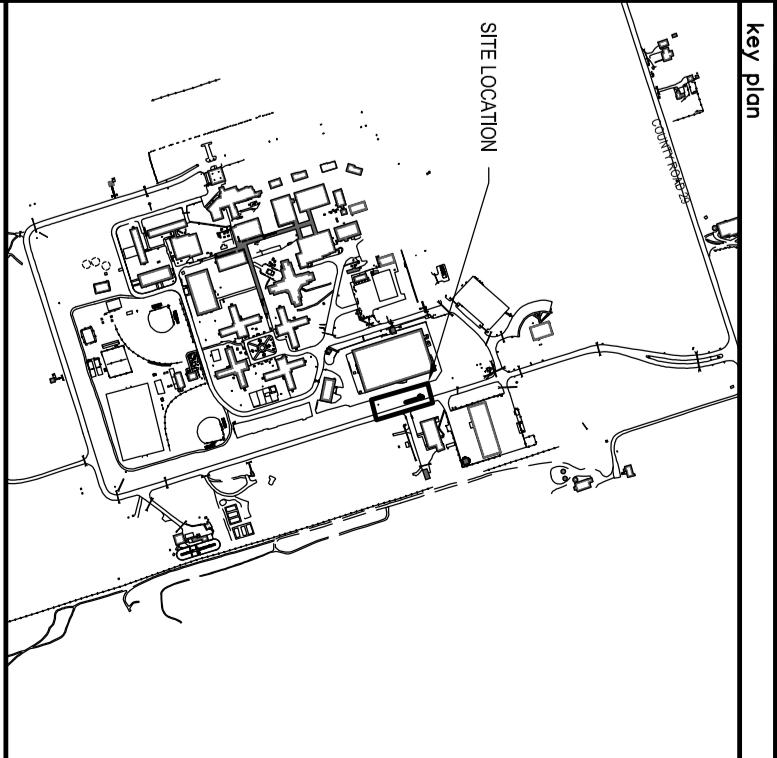
- EXISTING INFORMATION OBTAINED FROM AS-BUILT DRAWING EXACT DIMENSIONS TO BE CONFIRMED BY CONTRACTOR.
- CONTRACTOR TO ENSURE THAT PUMP REMOVAL GUIDE BARS ALIGN CORRECTLY WITH THE MATCH TO ALLOW REMOVAL OF PUMPS.
- CONTRACTOR TO REMOVE ALL EXISTING EQUIPMENT THAT IS TO BE REPLACED. THIS INCLUDES BUT IS NOT LIMITED TO EXISTING PUMPS, PIPING, GUIDE RAILS AND LADDERS.

PHASING

- INSTALL NEW PUMPING STATION AND NEW FOREMAN.
- REMOVE EXISTING PUMPING STATION.
- CONNECT NEW SECTION OF FOREMAN.
- PROVIDE TEMPORARY PUMPING INTO NEW PUMP STATION TO ALLOW FOR REMOVAL OF THE EXISTING STATION AND INSTALL OF NEW MANHOLE.
- INSTALL NEW MANHOLE AND CONNECT TO NEW PUMP STATION.
- CONNECT GRAVITY SEWERS.
- SHUT DOWN TEMPORARY PUMPING.
- SITE RESTORATION.



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LEGEND:

- SA - EXISTING EDGE OF PAVEMENT
- SB - NEW SAWTOOTH KERB
- SC - NEW FOREMAN COVER
- SD - EXISTING ELECTRICAL CONDUIT
- SE - EXISTING ELECTRICAL CONDUIT
- SF - EXISTING ELECTRICAL CONDUIT
- SG - EXISTING ELECTRICAL CONDUIT
- SH - EXISTING ELECTRICAL CONDUIT
- SI - EXISTING ELECTRICAL CONDUIT
- SJ - EXISTING ELECTRICAL CONDUIT
- SK - EXISTING ELECTRICAL CONDUIT
- SL - EXISTING ELECTRICAL CONDUIT
- SM - EXISTING ELECTRICAL CONDUIT
- SN - EXISTING ELECTRICAL CONDUIT
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- ST - EXISTING ELECTRICAL CONDUIT
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- SV - EXISTING ELECTRICAL CONDUIT
- SW - EXISTING ELECTRICAL CONDUIT
- SX - EXISTING ELECTRICAL CONDUIT
- SY - EXISTING ELECTRICAL CONDUIT
- SZ - EXISTING ELECTRICAL CONDUIT
- SA - EXISTING ELECTRICAL CONDUIT
- SB - EXISTING ELECTRICAL CONDUIT
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- SU - EXISTING ELECTRICAL CONDUIT
- SV - EXISTING ELECTRICAL CONDUIT
- SW - EXISTING ELECTRICAL CONDUIT
- SX - EXISTING ELECTRICAL CONDUIT
- SY - EXISTING ELECTRICAL CONDUIT
- SZ - EXISTING ELECTRICAL CONDUIT



Do not scale drawings. All dimensions and conditions on site and immediately notify the Departmental Representative of all discrepancies.

revision	date
01	ISSUED FOR TENDER 2016-04-12
02	
03	
04	

Project title: **SP003 PUMPING STATION**

Client: **CAMPBELLFORD WARKWORTH INSTITUTION**

Location: **Ontario**

Project manager: **MS**

Design date: **APRIL 2016**

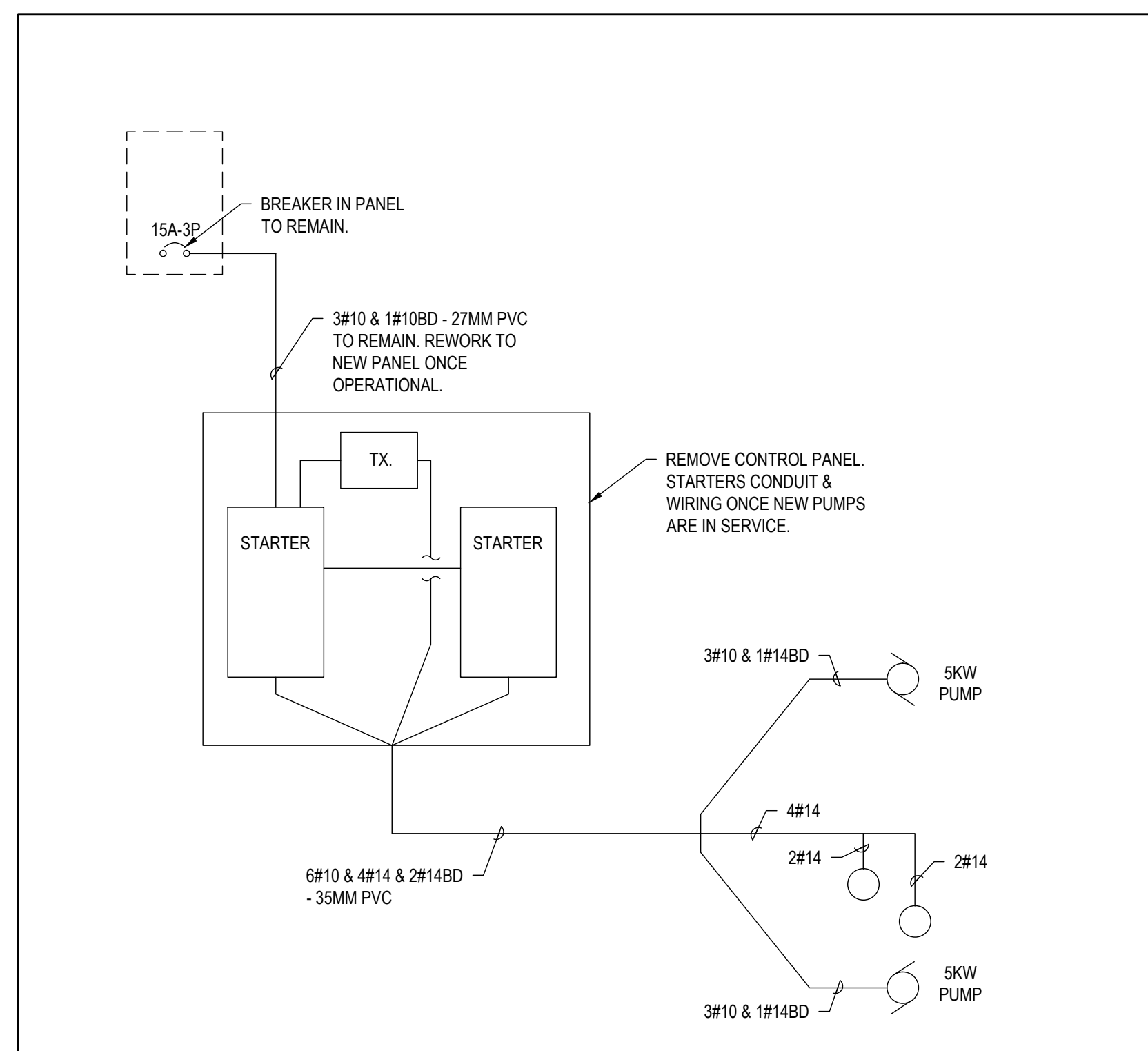
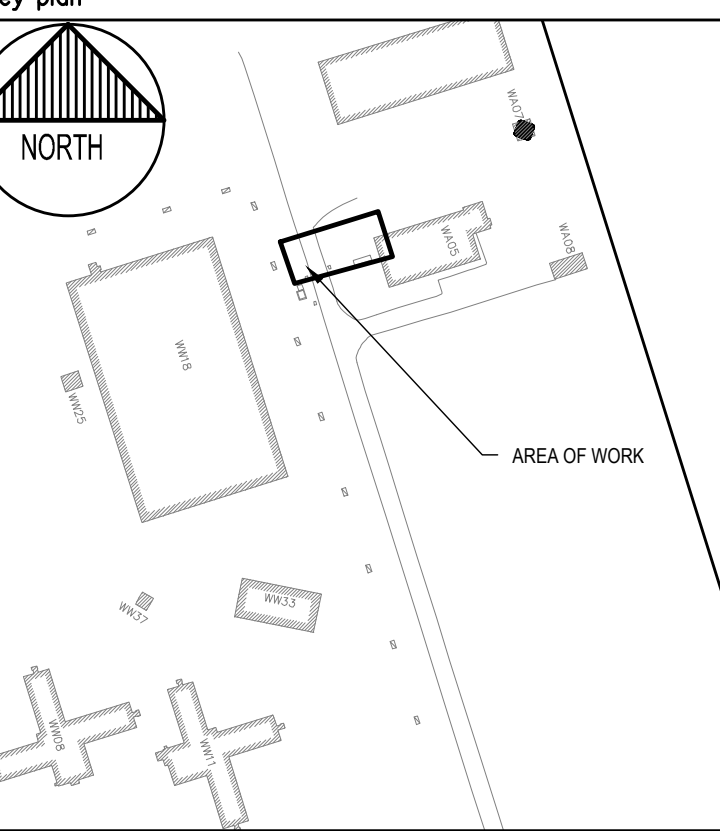
Project no.: **460-2513-0**

Drawing no.: **C101**

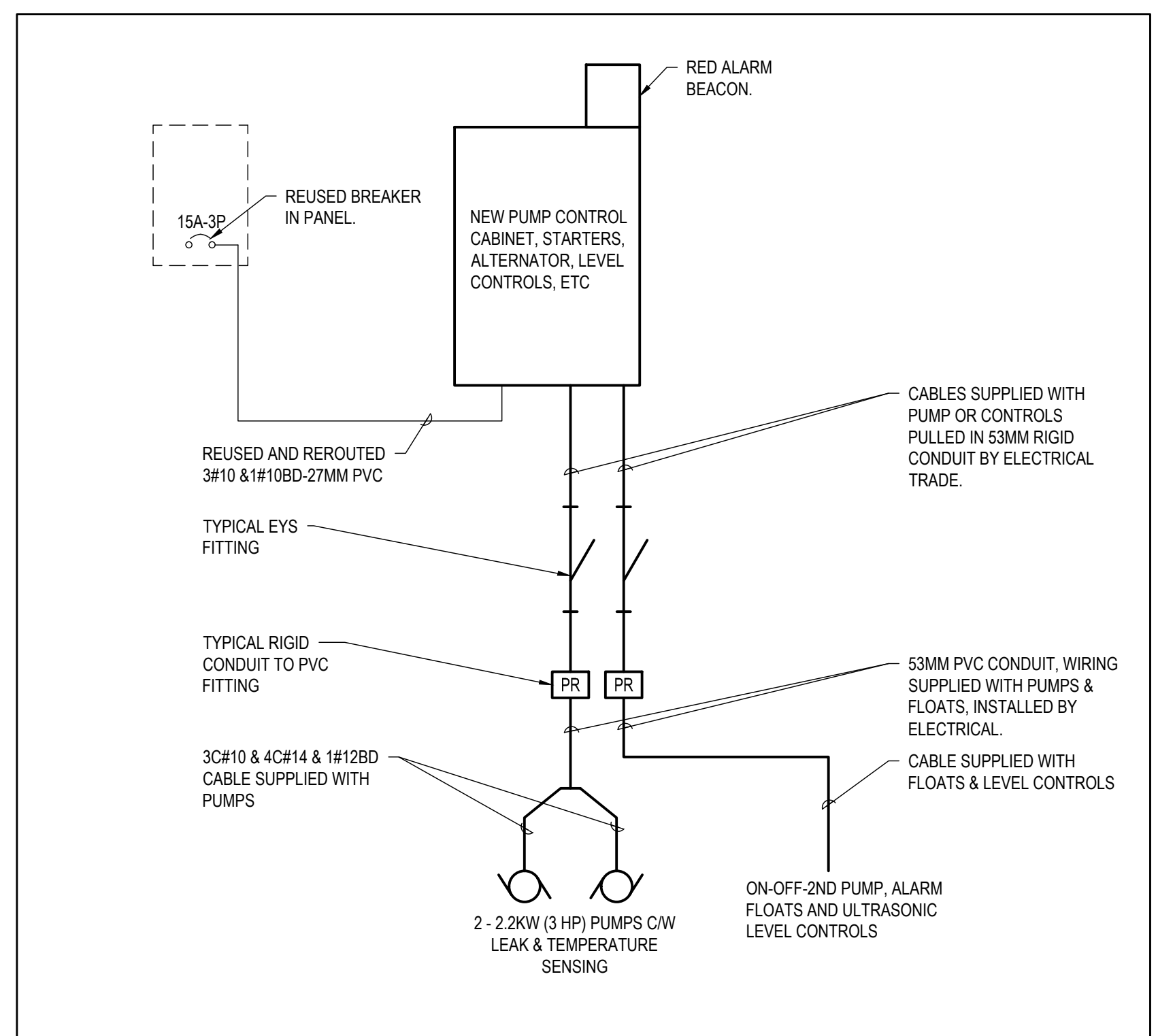
consultant



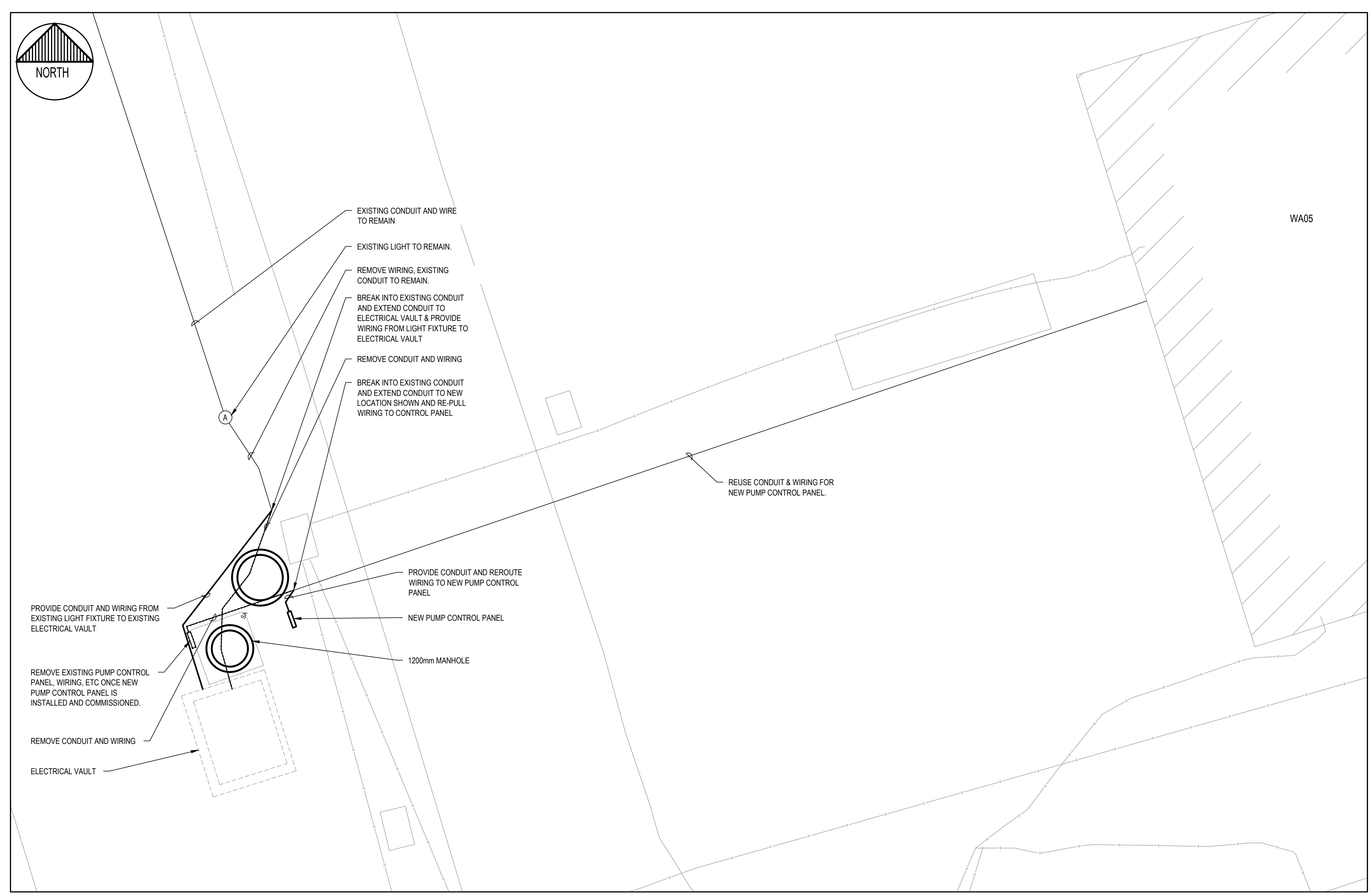
key plan



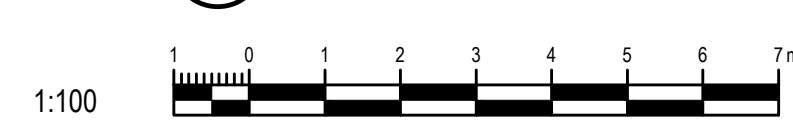
1 EXISTING PUMP CONTROLS
SCALE: NTS



2 NEW PUMP CONTROLS
SCALE: NTS



3 SITE PLAN
SCALE: 1:100



04		
03		
02		
01	ISSUED FOR TENDER	2016-04-12
revision		date

Do not scale drawings. Verify all dimensions and conditions on site and immediately notify the Departmental Representative of all discrepancies.

A	Detail No.	No. du détail
B	drawing no. - where detail required	dessin no. - où détail exigé
C	drawing no. - where detailed	dessin no. - où détaillé

project title
titre du projet
CAMPBELLFORD WARKWORTH INSTITUTION Ontario
SP003 PUMPING STATION

drawing title
titre du dessin
ELECTRICAL SINGLE LINE DIAGRAMS

drawn by
dessiné par
ML

designed by
conc par
GL

approved by
approuvé par

bid
offre
project manager
administrateur de projets

project date
date du projet
APRIL 2016

project no.
no. du projet
460-2513-0

drawing no.
dessiné no.
E501