

Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada

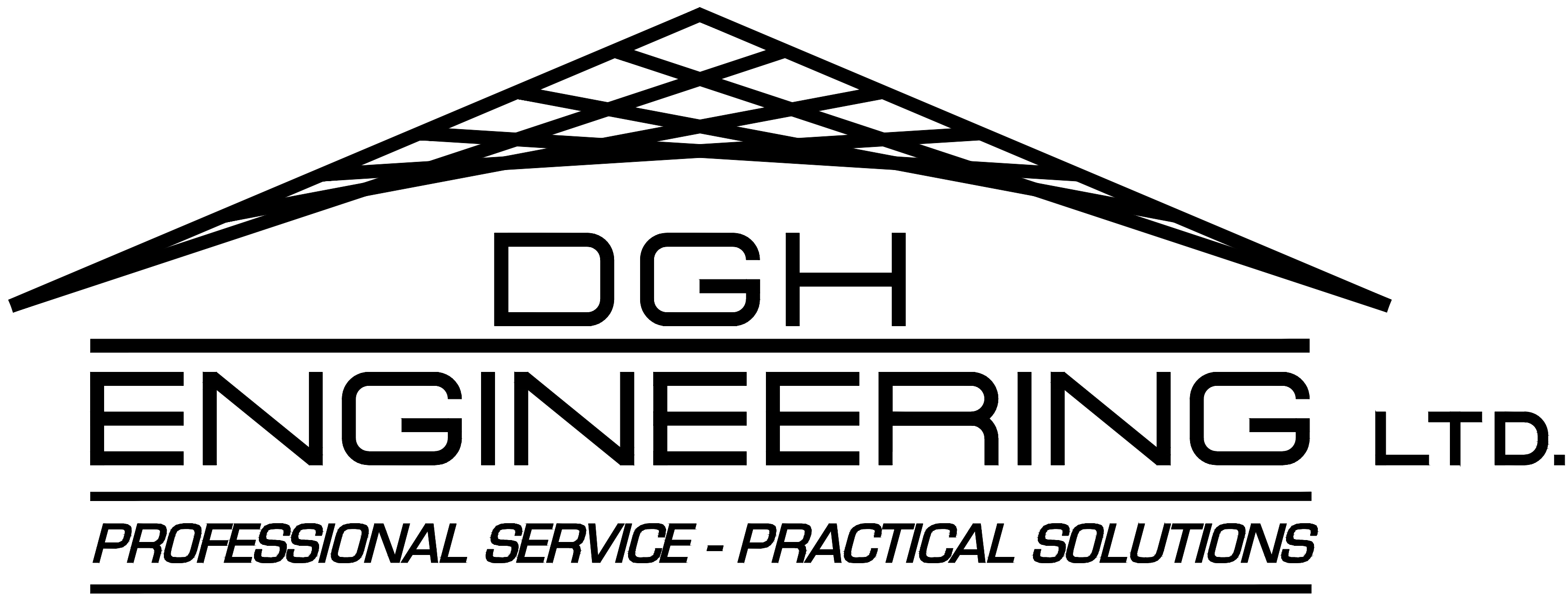
REAL PROPERTY SERVICES

Western Region

SERVICES IMMOBILIERS

Région de l'ouest

5	TENDER RESUBMITTAL 2018	2018/02/08						
4	TENDER SUBMISSION	2017/11/06						
3	100% RESUBMISSION	2017/10/16						
2	100% SUBMISSION	2017/08/24						
1	99% SUBMISSION	2017/06/30						
6	ISSUED FOR TENDER	2018/04/17						
Revision	Description	Date						
Client	client							
<div><div><div><div><div><div></div><div>PUBLIC WORKS & GOVERNMENT SERVICES</div></div><div><div>900 ROYAL BANK BLDG, 335 8TH AVE SW CALGARY, AB. T2P 1C9</div></div></div></div><div><div>Project</div><div><div>DRUMHELLER, AB.</div><div>CSC DRUMHELLER INSTITUTION</div><div>DRUMHELLER CONDUIT REPLACEMENT/EXPANSION</div></div><div>Project</div></div></div><div><div>Designed by</div><div>KAS</div><div>Conçu par</div></div><div><div>Drawn by</div><div>RTD</div><div>Dessiné par</div></div><div><div>Approved by</div><div>KAS</div><div>Approuvé par</div></div><div><div>PWGSC Project Manager</div><div>Administrateur de Projets TPSCG</div></div><div><div>Drawing title</div><div>Titre du dessin</div></div><div><div><div>ELECTRICAL DRAWING LIST</div></div></div><div><table><tr><td>Project no./No. du projet</td><td>Drawing no./No. du dessin</td><td>Revision no.</td></tr><tr><td>R.078549.001</td><td>INDEX OF 21</td><td>0</td></tr></table></div></div>			Project no./No. du projet	Drawing no./No. du dessin	Revision no.	R.078549.001	INDEX OF 21	0
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CSC DRUMHELLER INSTITUTION

DRUMHELLER CONDUIT
REPLACEMENT/EXPANSION
R.078549.001

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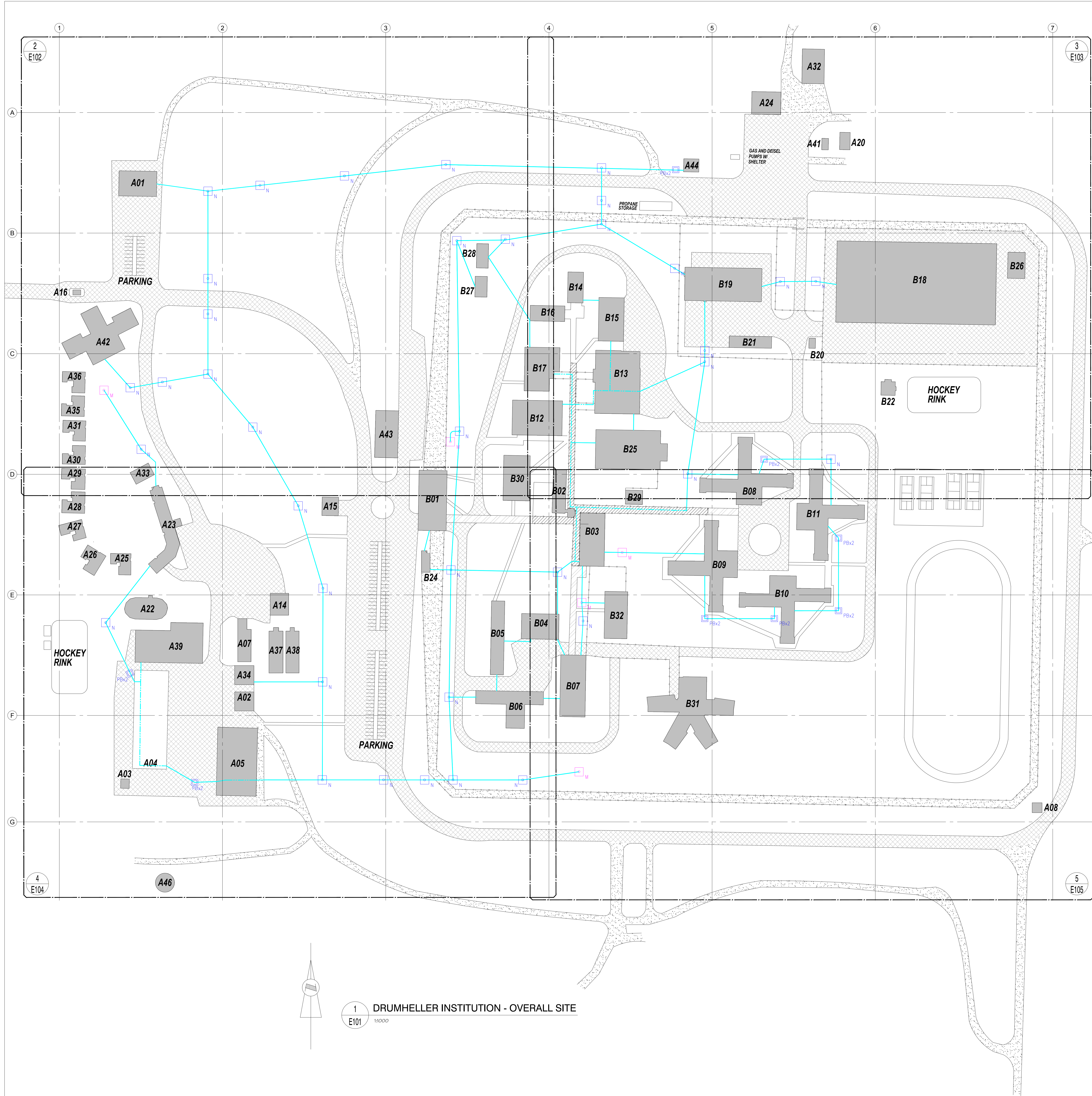
ISSUED FOR TENDER

A BUILDINGS – MINIMUM SECURITY AREA			
BUILDING USAGE	NUMBER	BUILDING USAGE	NUMBER
ADMINISTRATION	A-01	GARAGE	A-24
FIRE HALL	A-02	ANNEX HOUSE A-1	A-25
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STAFF TRAINING CENTRE (DEMOLISHED)	A-18	STORAGE (NO SERVICE)	A-41
PWC TRAILER (DEMOLISHED)	A-19	50 BED LIVING UNIT	A-42
HAZARDOUS STORAGE (NO SERVICE)	A-20	GO BUILDING	A-43
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SPRUNG STRUCTURE	A-22	STORAGE BUILDING	A-45
ANNEX ADMINISTRATION	A-23	WATER TOWER	A-46

B BUILDINGS – MEDIUM SECURITY AREA			
BUILDING USAGE	NUMBER	BUILDING USAGE	NUMBER
	B-01	SCHOOL	B-17
	B-02	CORCAN	B-18
ADMINISTRATION	B-03	MAINTENANCE BUILDING	B-19
INTAKE ASSESSMENT UNIT	B-04	SALLY PORT	B-20
DISSOCIATION	B-05	MAINTENANCE STORAGE	B-21
A AND D	B-06	FIELDHOUSE SLAB ELEC-T-SUB	B-22
HEALTH CARE INTAKE UNIT	B-07	CURLING RINK (DEMOLISHED)	B-23
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NATIVE CULTURAL CENTRE	B-12	FAMILY VISITING #2 (N)	B-28
KITCHEN	B-13	INMATE CANTEN (DEMOLISHED)	B-29
CATHOLIC CHAPEL	B-14	PROGRAM/ADMIN BUILDING	B-30
S.I.S.	B-15	LIVING UNIT	B-31
PROTESTANT CHAPEL	B-16	GI BUILDING	B-32

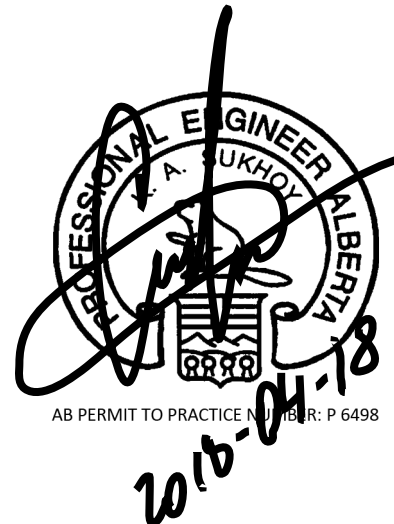
PULL BOX LEGEND									
TAG	DMENSIONS (mm) (LxWxH)	CONDUIT CONTENT	NORTH QTY – SIZE – MAT'L	EAST QTY – SIZE – MAT'L	SOUTH QTY – SIZE – MAT'L	WEST QTY – SIZE – MAT'L	COMMENTS		
PB-P1	1520x1520x1380	POWER	4 – 101.6# – PVC	4 – 101.6# – PVC			SEE DETAIL 4 ON SHEET E107		
PB-D1	1520x1520x1380	DATA	4 – 101.6# – PVC	4 – 101.6# – PVC			SEE DETAIL 4 ON SHEET E107		
PB-P2	1520x1520x1380	POWER	4 – 101.6# – PVC			4 – 101.6# – PVC	SEE DETAIL 4 ON SHEET E107		
PB-D2	1520x1520x1380	DATA	4 – 101.6# – PVC			4 – 101.6# – PVC	SEE DETAIL 4 ON SHEET E107		
PB-P3	1520x1520x1380	POWER	4 – 101.6# – PVC			4 – 101.6# – PVC	SEE DETAIL 4 ON SHEET E107		
PB-D3	1520x1520x1380	DATA	4 – 101.6# – PVC			4 – 101.6# – PVC	SEE DETAIL 4 ON SHEET E107		
PB-P4	1520x1520x1380	POWER	4 – 101.6# – PVC		4 – 101.6# – PVC		SEE DETAIL 4 ON SHEET E107		
PB-D4	1520x1520x1380	DATA	4 – 101.6# – PVC		4 – 101.6# – PVC		SEE DETAIL 4 ON SHEET E107		
PB-P6	1520x1520x1380	POWER		4 – 101.6# – PVC	4 – 101.6# – PVC		SEE DETAIL 4 ON SHEET E107		
PB-D6	1520x1520x1380	DATA		4 – 101.6# – PVC	4 – 101.6# – PVC		SEE DETAIL 4 ON SHEET E107		
PB-P7	1520x1520x1380	POWER	4 – 101.6# – PVC	4 – 101.6# – PVC			SEE DETAIL 4 ON SHEET E107		
PB-D7	1520x1520x1380	DATA	2 – 101.6# – PVC				SEE DETAIL 4 ON SHEET E107		
PB-P8	1520x1520x1380	POWER		4 – 101.6# – PVC		4 – 101.6# – PVC	SEE DETAIL 4 ON SHEET E107		
PB-D8	1520x1520x1380	DATA		2 – 101.6# – PVC		2 – 101.6# – PVC	SEE DETAIL 4 ON SHEET E107		
PB-P9	1520x1520x1380	POWER				8 – 101.6# – PVC	SEE DETAIL 4 ON SHEET E107		

JUNCTION BOX LEGEND									
TAG	DIMENSIONS (mm) (LxWxH)	CONDUIT CONTENT	NORTH QTY - SIZE - MAT'L	EAST QTY - SIZE - MAT'L	SOUTH QTY - SIZE - MAT'L	WEST QTY - SIZE - MAT'L	COMMENTS		
JB-A01-P1	406.4x203.2x406.4	POWER		2 - 101.6# - PVC			WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-A01-D1	406.4x203.2x406.4	DATA		2 - 101.6# - PVC			WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-A04-P1	762.0x762.0x304.8	POWER	2 - 101.6# - PVC		4 - 101.6# - PVC	4 - 101.6# - PVC	FLOOR MOUNTED - SEE DETAIL 10 ON SHEET E106. SEE NOTE 1		
JB-A04-D1	762.0x762.0x304.8	DATA	2 - 101.6# - PVC		2 - 101.6# - PVC	2 - 101.6# - PVC	FLOOR MOUNTED - SEE DETAIL 9 ON SHEET E106. SEE NOTE 1		
JB-A04-P2	762.0x762.0x304.8	POWER	4 - 101.6# - PVC		4 - 101.6# - PVC		FLOOR MOUNTED - SEE DETAIL 10 ON SHEET E106. SEE NOTE 1		
JB-A04-D2	762.0x762.0x304.8	DATA	2 - 101.6# - PVC		2 - 101.6# - PVC		FLOOR MOUNTED - SEE DETAIL 9 ON SHEET E106. SEE NOTE 1		
JB-A05-P1	762.0x762.0x304.8	POWER			4 - 101.6# - PVC	4 - 101.6# - PVC	FLOOR MOUNTED - SEE DETAIL 10 ON SHEET E106. SEE NOTE 1		
JB-A05-D1	762.0x762.0x304.8	DATA			2 - 101.6# - PVC	2 - 101.6# - PVC	FLOOR MOUNTED - SEE DETAIL 9 ON SHEET E106. SEE NOTE 1		
JB-A23-P1	406.4x406.4x406.4	POWER	4 - 101.6# - PVC				WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-A23-D1	406.4x203.2x406.4	DATA	2 - 101.6# - PVC				WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-A23-P2	406.4x406.4x406.4	POWER			4 - 101.6# - PVC		WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-A23-D2	406.4x203.2x406.4	DATA			2 - 101.6# - PVC		WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-A34-P1	406.4x203.2x406.4	POWER		4 - 101.6# - PVC		4 - 101.6# - PVC	WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-A34-D1	406.4x406.4x406.4	DATA		8 - 101.6# - PVC		2 - 101.6# - PVC	WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-A39-P1	406.4x203.2x406.4	POWER		2 - 101.6# - PVC			WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-A39-D1	406.4x203.2x406.4	DATA		2 - 101.6# - PVC			WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-A42-P1	406.4x406.4x406.4	POWER			4 - 101.6# - PVC		WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-A44-D1	406.4x406.4x406.4	DATA				8 - 101.6# - PVC	WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B01-P1	406.4x203.2x406.4	POWER			2 - 101.6# - PVC		WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B01-D1	406.4x203.2x406.4	DATA			2 - 101.6# - PVC		WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B03-P1	406.4x203.2x406.4	POWER				2 - 101.6# - PVC	WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B03-D1	406.4x203.2x406.4	DATA				2 - 101.6# - PVC	WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B03-P2	406.4x203.2x406.4	POWER			2 - 101.6# - PVC		WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B03-D2	406.4x406.4x406.4	DATA			4 - 101.6# - PVC		WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B03-D3	406.4x406.4x406.4	DATA		4 - 101.6# - PVC			WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B04-P1	406.4x203.2x406.4	POWER	2 - 101.6# - PVC				WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B04-D1	406.4x203.2x406.4	DATA	2 - 101.6# - PVC				WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B04-P2	406.4x203.2x406.4	POWER			2 - 101.6# - PVC		WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B04-D2	406.4x406.4x406.4	DATA			4 - 101.6# - PVC		WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B04-P3	406.4x203.2x406.4	POWER			2 - 101.6# - PVC		WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B04-D3	406.4x406.4x406.4	DATA					WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B05-P1	406.4x203.2x406.4	POWER		2 - 101.6# - PVC			WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B05-D1	406.4x406.4x406.4	DATA		4 - 101.6# - PVC			WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B05-P2	406.4x203.2x406.4	POWER			2 - 101.6# - PVC		WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B05-D2	406.4x406.4x406.4	DATA			4 - 101.6# - PVC		WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B06-P1	406.4x203.2x406.4	POWER	2 - 101.6# - PVC				WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B06-D1	406.4x406.4x406.4	DATA	4 - 101.6# - PVC				WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B06-P2	406.4x203.2x406.4	POWER			2 - 101.6# - PVC		WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B06-D2	406.4x406.4x406.4	DATA			4 - 101.6# - PVC		WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B06-D3	406.4x406.4x406.4	DATA			4 - 101.6# - PVC		WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B07-P1	406.4x203.2x406.4	POWER	2 - 101.6# - PVC				WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B07-D1	406.4x406.4x406.4	DATA	4 - 101.6# - PVC				WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B07-P2	406.4x203.2x406.4	POWER	2 - 101.6# - PVC				WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B07-D2	406.4x406.4x406.4	DATA	4 - 101.6# - PVC				WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B07-P3	406.4x203.2x406.4	POWER				2 - 101.6# - PVC	WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B07-D3	406.4x406.4x406.4	DATA				4 - 101.6# - PVC	WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B08-P1	406.4x406.4x406.4	POWER				4 - 101.6# - PVC	WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B08-D1	406.4x406.4x406.4	DATA				4 - 101.6# - PVC	WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B08-P2	406.4x406.4x406.4	POWER	4 - 101.6# - PVC				WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B08-D2	406.4x406.4x406.4	DATA	4 - 101.6# - PVC				WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B09-P1	406.4x406.4x406.4	POWER				4 - 101.6# - PVC	WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B09-D2	406.4x406.4x406.4	DATA				4 - 101.6# - PVC	WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B09-P2	406.4x406.4x406.4	POWER			4 - 101.6# - PVC		WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B09-D2	406.4x406.4x406.4	DATA			4 - 101.6# - PVC		WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B10-P1	406.4x406.4x406.4	POWER			4 - 101.6# - PVC		WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B10-D1	406.4x406.4x406.4	DATA			4 - 101.6# - PVC		WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B10-P2	406.4x406.4x406.4	POWER		4 - 101.6# - PVC			WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B10-D2	406.4x406.4x406.4	DATA		4 - 101.6# - PVC			WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B11-P1	406.4x406.4x406.4	POWER	4 - 101.6# - PVC				WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B11-D1	406.4x406.4x406.4	DATA	4 - 101.6# - PVC				WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B11-P2	406.4x406.4x406.4	POWER		4 - 101.6# - PVC			WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B11-D2	406.4x406.4x406.4	DATA		4 - 101.6# - PVC			WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B12-P1	406.4x203.2x406.4	POWER		2 - 101.6# - PVC			WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B12-D1	406.4x203.2x406.4	DATA		2 - 101.6# - PVC			WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B13-P1	406.4x203.2x406.4	POWER				2 - 101.6# - PVC	WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B13-D2	406.4x203.2x406.4	DATA				2 - 101.6# - PVC	WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B13-P2	406.4x203.2x406.4	POWER			2 - 101.6# - PVC		WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B13-D2	406.4x203.2x406.4	DATA			2 - 101.6# - PVC		WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B13-P3	406.4x203.2x406.4	POWER	2 - 101.6# - PVC				WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B13-D3	406.4x203.2x406.4	DATA	2 - 101.6# - PVC				WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B13-P4	406.4x406.4x203.2	POWER		2 - 101.6# - PVC		2 - 101.6# - PVC	FLOOR MOUNTED - SEE DETAIL 9 ON SHEET E106. SEE NOTE 1		
JB-B14-D4	406.4x406.4x203.2	DATA		2 - 101.6# - PVC		2 - 101.6# - PVC	FLOOR MOUNTED - SEE DETAIL 9 ON SHEET E106. SEE NOTE 1		
JB-B13-P5	406.4x406.4x203.2	POWER	2 - 101.6# - PVC	2 - 101.6# - PVC		2 - 101.6# - PVC	FLOOR MOUNTED - SEE DETAIL 9 ON SHEET E106. SEE NOTE 1		
JB-B13-D5	406.4x406.4x203.2	DATA	2 - 101.6# - PVC	2 - 101.6# - PVC		2 - 101.6# - PVC	FLOOR MOUNTED - SEE DETAIL 9 ON SHEET E106. SEE NOTE 1		
JB-B13-P6	406.4x406.4x203.2	POWER		4 - 101.6# - PVC		2 - 101.6# - PVC	FLOOR MOUNTED - SEE DETAIL 9 ON SHEET E106. SEE NOTE 1		
JB-B13-D6	762.0x762.0x304.8	DATA		8 - 101.6# - PVC		2 - 101.6# - PVC	FLOOR MOUNTED - SEE DETAIL 10 ON SHEET E106. SEE NOTE 1		
JB-B14-P1	406.4x203.2x406.4	POWER		2 - 101.6# - PVC			WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B14-D2	406.4x203.2x406.4	DATA		2 - 101.6# - PVC			WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B15-P1	406.4x203.2x406.4	POWER			2 - 101.6# - PVC		WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B15-D1	406.4x203.2x406.4	DATA			2 - 101.6# - PVC		WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B15-P2	406.4x203.2x406.4	POWER				2 - 101.6# - PVC	WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B15-D2	406.4x203.2x406.4	DATA				2 - 101.6# - PVC	WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B16-P1	406.4x203.2x406.4	POWER			2 - 101.6# - PVC		WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B16-D1	406.4x406.4x406.4	DATA	2 - 101.6# - PVC		2 - 101.6# - PVC		WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B17-P1	406.4x203.2x406.4	POWER		2 - 101.6# - PVC			WALL MOUNTED - SEE DETAIL 14 ON SHEET E106. SEE NOTE 1		
JB-B17-D1	406.4x203.2x406.4	DATA		2 - 101.6# - PVC			WALL MOUNTED - SEE DETAIL 14 ON SHEET E106. SEE NOTE 1		
JB-B17-P2	406.4x203.2x406.4	POWER	2 - 101.6# - PVC				WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B17-D2	406.4x203.2x406.4	DATA	2 - 101.6# - PVC				WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B18-P1	406.4x406.4x406.4	POWER				4 - 101.6# - PVC	WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B18-D1	406.4x203.2x406.4	DATA				2 - 101.6# - PVC	WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B19-P1	406.4x406.4x406.4	POWER			4 - 101.6# - PVC		WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B19-D1	406.4x406.4x406.4	DATA			4 - 101.6# - PVC		WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B19-P2	406.4x406.4x406.4	POWER		4 - 101.6# - PVC			WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B19-D2	406.4x203.2x406.4	DATA		2 - 101.6# - PVC			WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B19-P3	406.4x406.4x406.4	POWER		4 - 101.6# - PVC			WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B19-D3	406.4x406.4x406.4	DATA		4 - 101.6# - PVC			WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B24-P1	406.4x203.2x406.4	POWER	2 - 101.6# - PVC				WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B24-D1	406.4x203.2x406.4	DATA	2 - 101.6# - PVC				WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B24-P2	406.4x406.4x406.4	POWER		4 - 101.6# - PVC			WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B24-D2	406.4x406.4x406.4	DATA		8 - 101.6# - PVC			WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B25-P1	406.4x203.2x406.4	POWER				2 - 101.6# - PVC	WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B25-D1	406.4x203.2x406.4	DATA				2 - 101.6# - PVC	WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B25-P2	406.4x203.2x406.4	POWER	2 - 101.6# - PVC				WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B25-D2	406.4x203.2x406.4	DATA	2 - 101.6# - PVC				WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B27-D1	406.4x406.4x406.4	DATA		8 - 101.6# - PVC			WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B28-D1	406.4x406.4x406.4	DATA		8 - 101.6# - PVC			WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		
JB-B28-D2	406.4x203.2x406.4	DATA		2 - 101.6# - PVC			WALL MOUNTED - SEE DETAIL 7 ON SHEET E106. SEE NOTE 1		
JB-B32-D1	406.4x406.4x406.4	DATA				8 - 101.6# - PVC	WALL MOUNTED - SEE DETAIL 8 ON SHEET E106. SEE NOTE 1		



1 DRUMHELLER INSTITUTION - OVERALL SITE
E101
1:1000

LEGEND		
ITEM	SYMBOL	REMARKS
MANHOLE - EXISTING & MODIFIED TO SUIT NEW CONDUIT ROUTING		
MANHOLE - NEW		
PULLBOX - NEW		PROVIDE 2 PULLBOXES AT LOCATION (FOR DATA & POWER CONDUITS)
DUCTBANK LINETYPE - NEW		
ABOVE GROUND LINETYPE - NEW		
POWER CONDUIT LINETYPE - NEW		
DATA CONDUIT LINETYPE - NEW		
BREEZE-WAY - HATCH		CONC. FLOOR FOR VERT. PENETRATIONS. HORIZ. RUNS ARE EXPOSED ABOVE GRADE.
ASPHALT ROAD SURFACE - HATCH		ALL EXISTING CONC. OR ASPHALT SURFACES TO BE INTERRUPTED BY TRENCHING MUST BE SAW CUT TO PROVIDE A CLEAN JOINT FOR THE RESURFACING AFTER BACKFILLING.
CONCRETE ROAD SURFACE - HATCH		
GRAVEL ROAD SURFACE - HATCH		
GRASSED AREA - NO HATCH		ALL WORK AREAS ARE GRASSED UNLESS OTHERWISE NOTED.
GENERAL NOTES:		
1. REFER TO SHEET E106 & E107 FOR WALL / FLOOR MOUNTED JUNCTION BOX & CONDUIT DETAILS.		
2. REFER TO SHEET E108 FOR JUNCTION BOX, PULLBOX, & MANHOLE LEGENDS.		
3. FOR CLARITY, ONLY NEW & MODIFIED ELECTRICAL EQUIPMENT ARE SHOWN ON PLANS.		



5	TENDER RESUBMITTAL 2016	2016/02/06
4	TENDER SUBMISSION	2017/11/06
3	100% RESUBMISSION	2017/10/16
2	100% SUBMISSION	2017/08/24
1	99% SUBMISSION	2017/06/30
6	ISSUED FOR TENDER	2018/04/17
Revision	Description	Date
Client	client	

PUBLIC WORKS & GOVERNMENT SERVICES

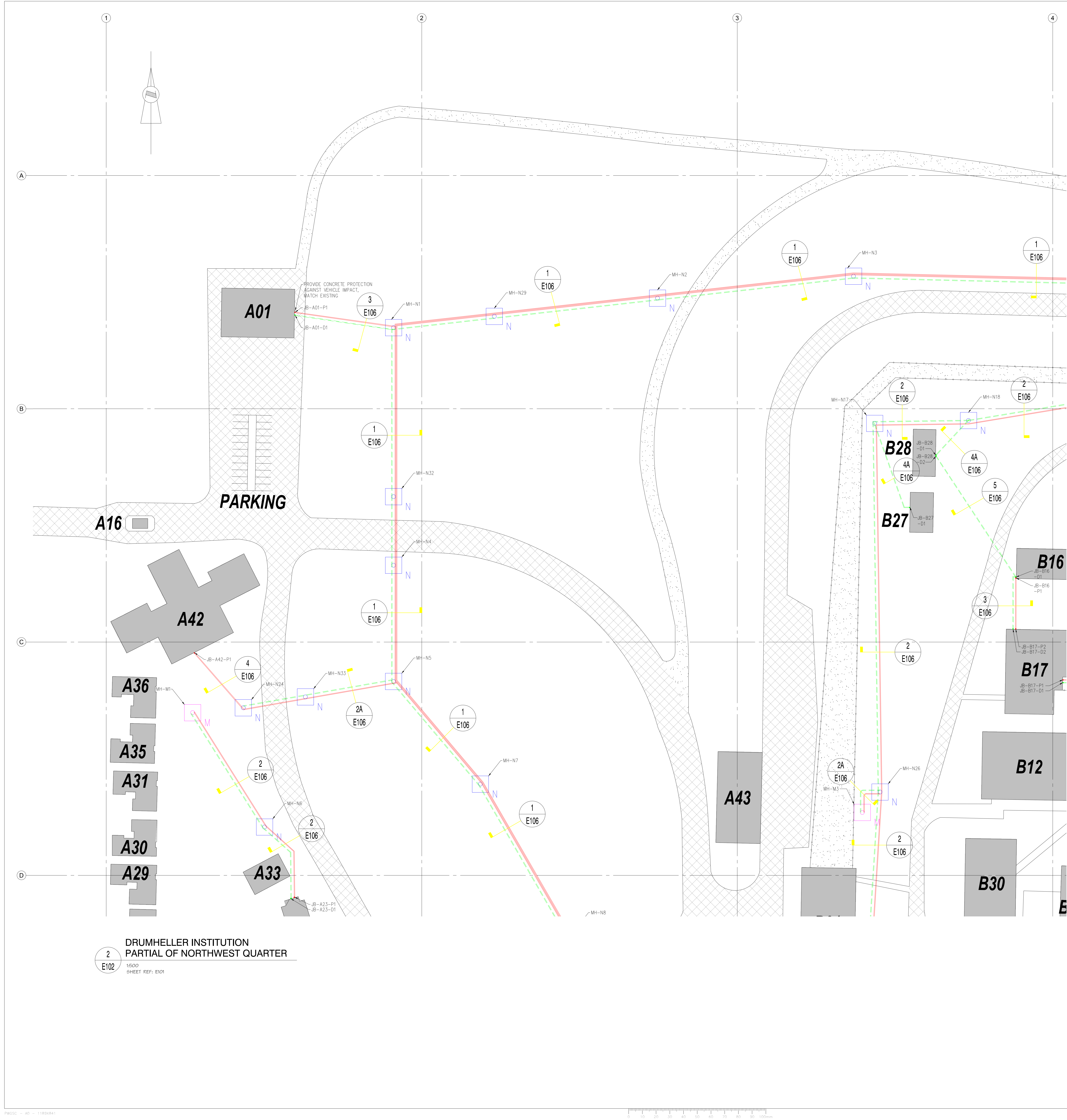
900 ROYAL BANK BLDG, 335 8TH AVE SW
CALGARY, AB. T2P 1C9

Project
DRUMHELLER, AB.
CSC DRUMHELLER INSTITUTION
DRUMHELLER CONDUIT REPLACEMENT/EXPANSION

Designed by
KAS
Drawn by
RTD/JJM
Approved by
KAS
Project Manager
Administrateur de Projets TPSCC

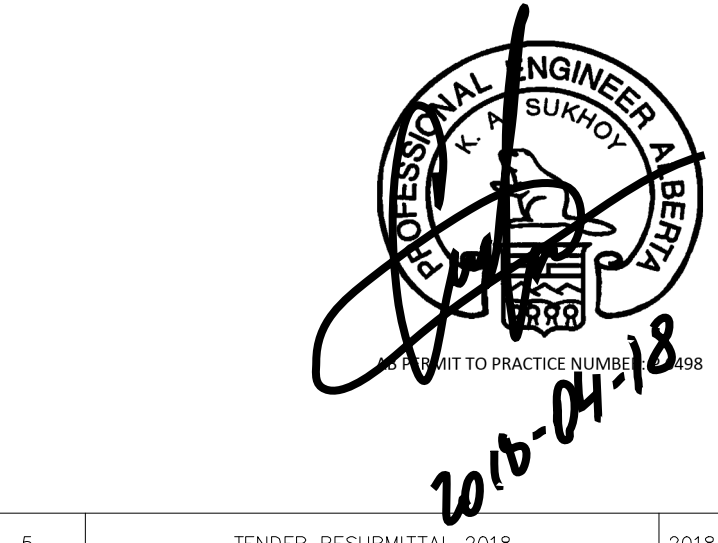
Drawing title
OVERALL SITE
POWER & COMMUNICATION SYSTEM MANHOLES & CONDUITS ROUTING

Project no./No. du projet
R.078549.001
Drawing no./No. du dessin
E101
Revision no.
0
OF 21



DRUMHELLER INSTITUTION
PARTIAL OF NORTHWEST QUARTER

LEGEND		
ITEM	SYMBOL	REMARKS
MANHOLE - EXISTING & MODIFIED TO SUIT NEW CONDUIT ROUTING		
MANHOLE - NEW		
PULLBOX - NEW		PROVIDE 2 PULLBOXES AT LOCATION (FOR DATA & POWER CONDUITS)
DUCTBANK LINETYPE - NEW		
ABOVE GROUND LINETYPE - NEW		
POWER CONDUIT LINETYPE - NEW		
DATA CONDUIT LINETYPE - NEW		
BREEZE-WAY - HATCH		CONC. FLOOR FOR VERT. PENETRATIONS. HORIZ. RUNS ARE EXPOSED ABOVE GRADE.
ASPHALT ROAD SURFACE - HATCH		ALL EXISTING CONC. OR ASPHALT SURFACES TO BE INTERRUPTED BY TRENCHING MUST BE SAW CUT TO PROVIDE A CLEAN JOINT FOR THE RESURFACING AFTER BACKFILLING.
CONCRETE ROAD SURFACE - HATCH		
GRAVEL ROAD SURFACE - HATCH		
GRASSED AREA - NO HATCH		ALL WORK AREAS ARE GRASSED UNLESS OTHERWISE NOTED.
GENERAL NOTES:		
1. REFER TO SHEET E106 & E107 FOR WALL / FLOOR MOUNTED JUNCTION BOX & CONDUIT DETAILS.		
2. REFER TO SHEET E108 FOR JUNCTION BOX, PULLBOX, & MANHOLE LEGENDS.		
3. FOR CLARITY, ONLY NEW & MODIFIED ELECTRICAL EQUIPMENT ARE SHOWN ON PLANS.		



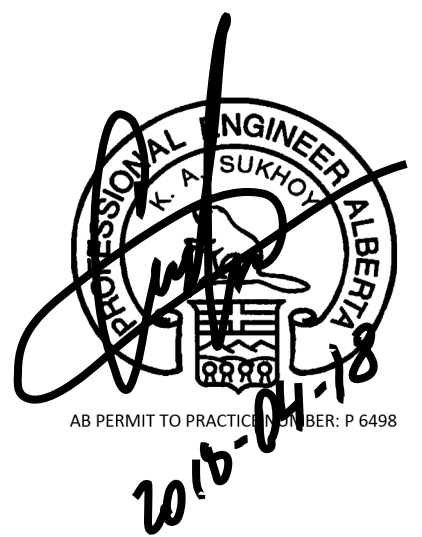
5	TENDER RESUBMITTAL 2016	2016/02/06
4	TENDER SUBMISSION	2017/11/06
3	100% RESUBMISSION	2017/10/16
2	100% SUBMISSION	2017/08/24
1	99% SUBMISSION	2017/06/30
6	ISSUED FOR TENDER	2018/04/17

PUBLIC WORKS & GOVERNMENT SERVICES
900 ROYAL BANK BLDG, 335 8TH AVE SW
CALGARY, AB. T2P 1C9

Project: DRUMHELLER, AB.
Client: CSC DRUMHELLER INSTITUTION
Title: DRUMHELLER CONDUIT REPLACEMENT/EXPANSION

Designed by: KAS
Drawn by: RTD/JJM
Approved by: KAS
Project Manager: Project Manager

Drawing title: PARTIAL SITE
Revision title: POWER & COMMUNICATION SYSTEM MANHOLES & CONDUITS ROUTING



5	TENDER RESUBMITTAL 2016	2016/02/06
4	TENDER SUBMISSION	2017/11/06
3	100% RESUBMISSION	2017/10/16
2	100% SUBMISSION	2017/08/24
1	90% SUBMISSION	2017/06/30
6	ISSUED FOR TENDER	2018/04/17

Revised Description Date

Client client

PUBLIC WORKS &
GOVERNMENT SERVICES

900 ROYAL BANK BLDG, 335 8TH AVE SW
CALGARY, AB. T2P 1C9

Project Drumheller, AB. Projet

CSC DRUMHELLER INSTITUTION

DRUMHELLER CONDUIT
REPLACEMENT/EXPANSION

Designed by KAS

Drawn by RTD/JJM

Approved by KAS

Project Manager Administrateur de Projet

Drawing Title Titre du dessin

PARTIAL SITE

POWER & COMMUNICATION
SYSTEM MANHOLES
& CONDUITS ROUTING

Project no./No. du projet Drawing no./No. du dessin Revision no.

R.078549.001 E103 0

OF 21

1020-026 E100

NOTE:
DUCTBANKS BETWEEN THE FOLLOWING
LOCATIONS TO BE TYPE 3.
B13 & B15
B14 & B15
BREEZE-WAY & B12
BREEZE-WAY & B13
BREEZE-WAY & B25
REFER TO DETAIL 3 ON SHEET E106

GAS AND DIESEL
PUMPS W/
SHELTER

PROPANE
STORAGE

HOCKEY
RINK

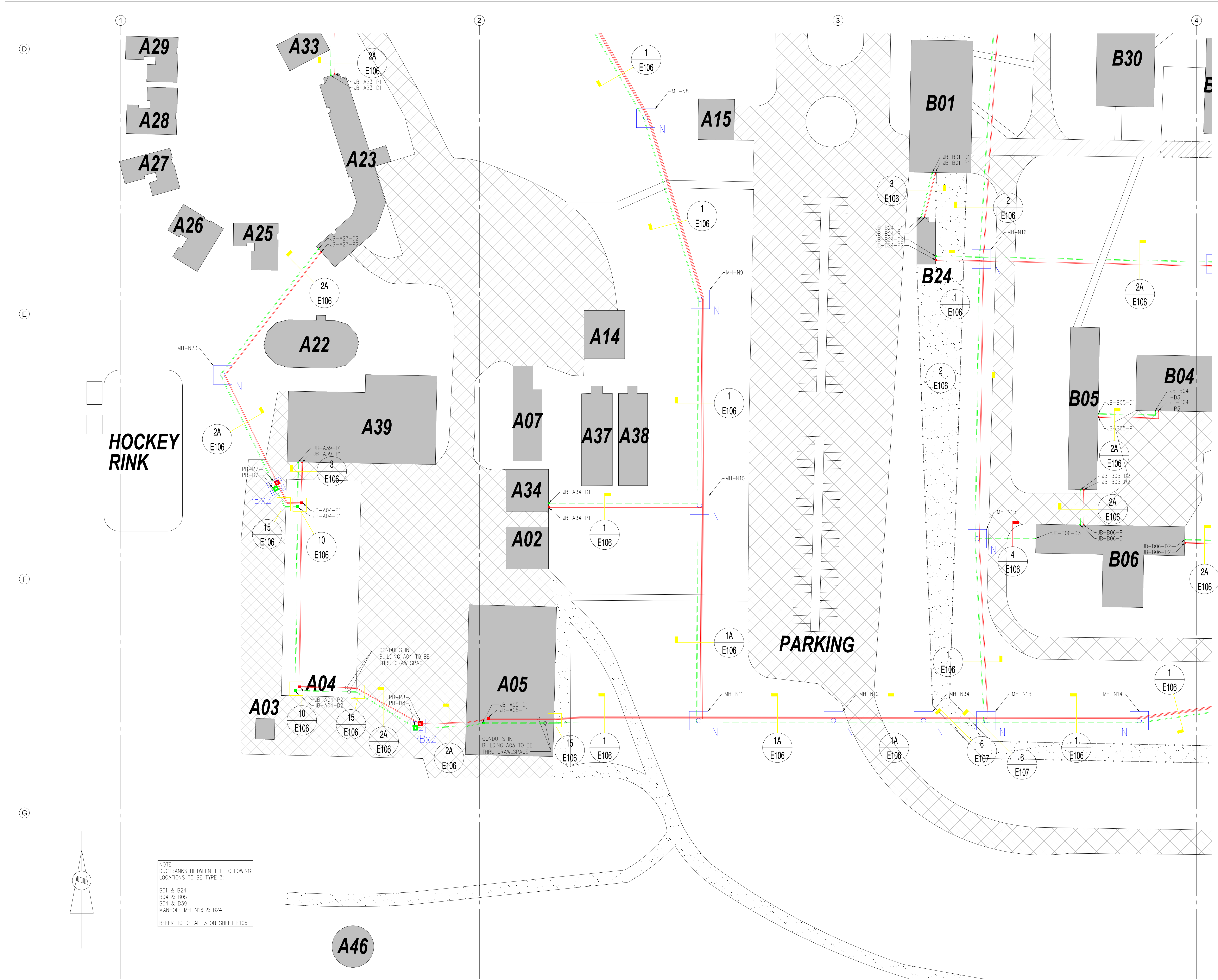
DRUMHELLER INSTITUTION
PARTIAL OF NORTHEAST QUARTER

1500
SHEET REF: E101

ITEM	SYMBOL	REMARKS
MANHOLE - EXISTING & MODIFIED TO SUIT NEW CONDUIT ROUTING		
MANHOLE - NEW		
PULLBOX - NEW		PROVIDE 2 PULLBOXES AT LOCATION (FOR DATA & POWER CONDUITS)
DUCTBANK LINETYPE - NEW		
ABOVE GROUND LINETYPE - NEW		
POWER CONDUIT LINETYPE - NEW		
DATA CONDUIT LINETYPE - NEW		
BREEZE-WAY - HATCH		CONC. FLOOR FOR VERT. PENETRATIONS. HORIZ. RUNS ARE EXPOSED ABOVE GRADE.
ASPHALT ROAD SURFACE - HATCH		ALL EXISTING CONC. OR ASPHALT SURFACES TO BE INTERRUPTED BY TRENCHING MUST BE SAW CUT TO PROVIDE A CLEAN JOINT FOR THE RESURFACING AFTER BACKFILLING.
CONCRETE ROAD SURFACE - HATCH		
GRAVEL ROAD SURFACE - HATCH		
GRASSY AREA - NO HATCH		ALL WORK AREAS ARE GRASSY UNLESS OTHERWISE NOTED.

GENERAL NOTES:

- REFER TO SHEET E106 & E107 FOR WALL / FLOOR MOUNTED JUNCTION BOX & CONDUIT DETAILS.
- REFER TO SHEET E108 FOR JUNCTION BOX, PULLBOX, & MANHOLE LEGENDS.
- FOR CLARITY, ONLY NEW & MODIFIED ELECTRICAL EQUIPMENT ARE SHOWN ON PLANS.

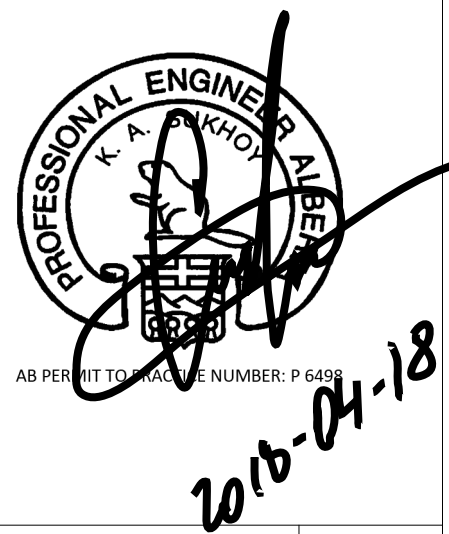


NOTE:
DUCTBANKS BETWEEN THE FOLLOWING
LOCATIONS TO BE TYPE 3:
B01 & B24
B04 & B05
B04 & B30
MANHOLE MH-N16 & B24
REFER TO DETAIL 3 ON SHEET E106

**DRUMHELLER INSTITUTION
PARTIAL OF SOUTHWEST QUARTER**

4
E104
1500
SHEET REF: E101

LEGEND		
ITEM	SYMBOL	REMARKS
MANHOLE - EXISTING & MODIFIED TO SUIT NEW CONDUIT ROUTING		
MANHOLE - NEW		
PULLBOX - NEW		PROVIDE 2 PULLBOXES AT LOCATION (FOR DATA & POWER CONDUITS)
DUCTBANK LINETYPE - NEW		
ABOVE GROUND LINETYPE - NEW		
POWER CONDUIT LINETYPE - NEW		
DATA CONDUIT LINETYPE - NEW		
BREEZE-WAY - HATCH		CONC. FLOOR FOR VERT. PENETRATIONS - HORIZ. RUNS ARE EXPOSED ABOVE GRADE
ASPHALT ROAD SURFACE - HATCH		ALL EXISTING CONC. OR ASPHALT SURFACES TO BE INTERRUPTED BY TRENCHING MUST BE SAW CUT TO PROVIDE A CLEAN JOINT FOR THE RESURFACING AFTER BACKFILLING.
CONCRETE ROAD SURFACE - HATCH		
GRAVEL ROAD SURFACE - HATCH		
GRASSY AREA - NO HATCH		ALL WORK AREAS ARE GRASSY UNLESS OTHERWISE NOTED
GENERAL NOTES:		
1. REFER TO SHEET E106 & E107 FOR WALL / FLOOR MOUNTED JUNCTION BOX & CONDUIT DETAILS.		
2. REFER TO SHEET E108 FOR JUNCTION BOX, PULLBOX, & MANHOLE LEGENDS.		
3. FOR CLARITY, ONLY NEW & MODIFIED ELECTRICAL EQUIPMENT ARE SHOWN ON PLANS.		



5	TENDER RESUBMITTAL 2018	2018/02/08
4	TENDER SUBMISSION	2017/11/06
3	100% RESUBMISSION	2017/10/16
2	100% SUBMISSION	2017/08/24
1	98% SUBMISSION	2017/06/30
6	ISSUED FOR TENDER	2018/04/17
Revised	Description	Date
Client	client	

**PUBLIC WORKS &
GOVERNMENT SERVICES**

900 ROYAL BANK BLDG, 335 8TH AVE SW
CALGARY, AB. T2P 1C9

Project **DRUMHELLER, AB.** Project

CSC DRUMHELLER INSTITUTION

**DRUMHELLER CONDUIT
REPLACEMENT/EXPANSION**

Designed by **KAS** Dessiné par

Drawn by **RTD/JJM** Dessiné par

Approved by **KAS** Approuvé par

Project Manager **PWGSC** Administrateur de Projets **TPSGC**

Drawing title **PARTIAL SITE** Titre du dessin

**POWER & COMMUNICATION
SYSTEM MANHOLES
& CONDUITS ROUTING**

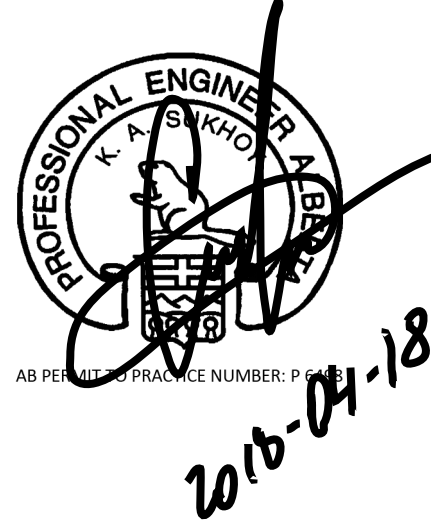
Project no./No. du projet **R.078549.001** Drawing no./No. du dessin **E104** Revision no. **0**



NOTES:
1. DUCTBANKS BETWEEN THE FOLLOWING LOCATIONS TO BE TYPE 2:
MANHOLE MH-N19 & BREEZE-WAY
MANHOLE MH-N21 & B08
PULLBOX PB-P2/D2 & B10
PULLBOX PB-P4/D4 & B11
REFER TO DETAIL 2 ON SHEET E106
2. DUCTBANKS BETWEEN THE FOLLOWING LOCATIONS TO BE TYPE 3:
B04 & B07
MANHOLE MH-N19 & B04
REFER TO DETAIL 3 ON SHEET E106

DRUMHELLER INSTITUTION
PARTIAL OF SOUTHEAST QUARTER
1500
SHEET REF: E101

LEGEND		
ITEM	SYMBOL	REMARKS
MANHOLE - EXISTING & MODIFIED TO SUIT NEW CONDUIT ROUTING		
MANHOLE - NEW		
PULLBOX - NEW		PROVIDE 2 PULLBOXES AT LOCATION (FOR DATA & POWER CONDUITS)
DUCTBANK LINETYPE - NEW		
ABOVE GROUND LINETYPE - NEW		
POWER CONDUIT LINETYPE - NEW		
DATA CONDUIT LINETYPE - NEW		
BREEZE-WAY - HATCH		CONC. FLOOR FOR VERT. PENETRATIONS. HORIZ. RUNS ARE EXPOSED ABOVE GRADE.
ASPHALT ROAD SURFACE - HATCH		ALL EXISTING CONC. OR ASPHALT SURFACES TO BE INTERRUPTED BY TRENCHING MUST BE SAW CUT TO PROVIDE A CLEAN JOINT FOR THE RESURFACING AFTER BACKFILLING.
CONCRETE ROAD SURFACE - HATCH		
GRAVEL ROAD SURFACE - HATCH		
GRASSY AREA - NO HATCH		ALL WORK AREAS ARE GRASSY UNLESS OTHERWISE NOTED.
GENERAL NOTES:		
1. REFER TO SHEET E106 & E107 FOR WALL / FLOOR MOUNTED JUNCTION BOX & CONDUIT DETAILS.		
2. REFER TO SHEET E108 FOR JUNCTION BOX, PULLBOX, & MANHOLE LEGENDS.		
3. FOR CLARITY, ONLY NEW & MODIFIED ELECTRICAL EQUIPMENT ARE SHOWN ON PLANS.		



5	TENDER RESUBMITTAL 2018	2018/02/08
4	TENDER SUBMISSION	2017/11/06
3	100% RESUBMISSION	2017/10/16
2	100% SUBMISSION	2017/08/24
1	99% SUBMISSION	2017/06/30
6	ISSUED FOR TENDER	2018/04/17
Revised	Description	Date
Client	client	

PUBLIC WORKS & GOVERNMENT SERVICES

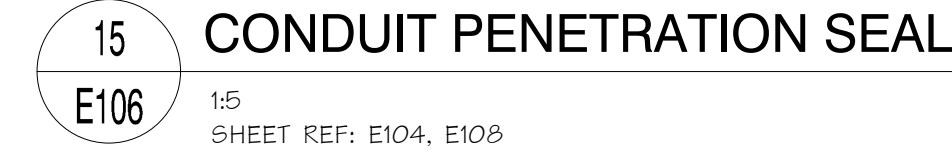
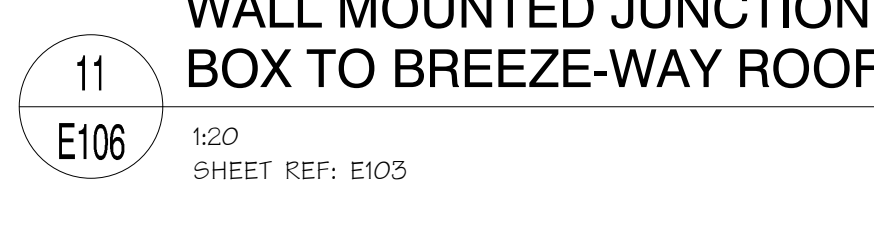
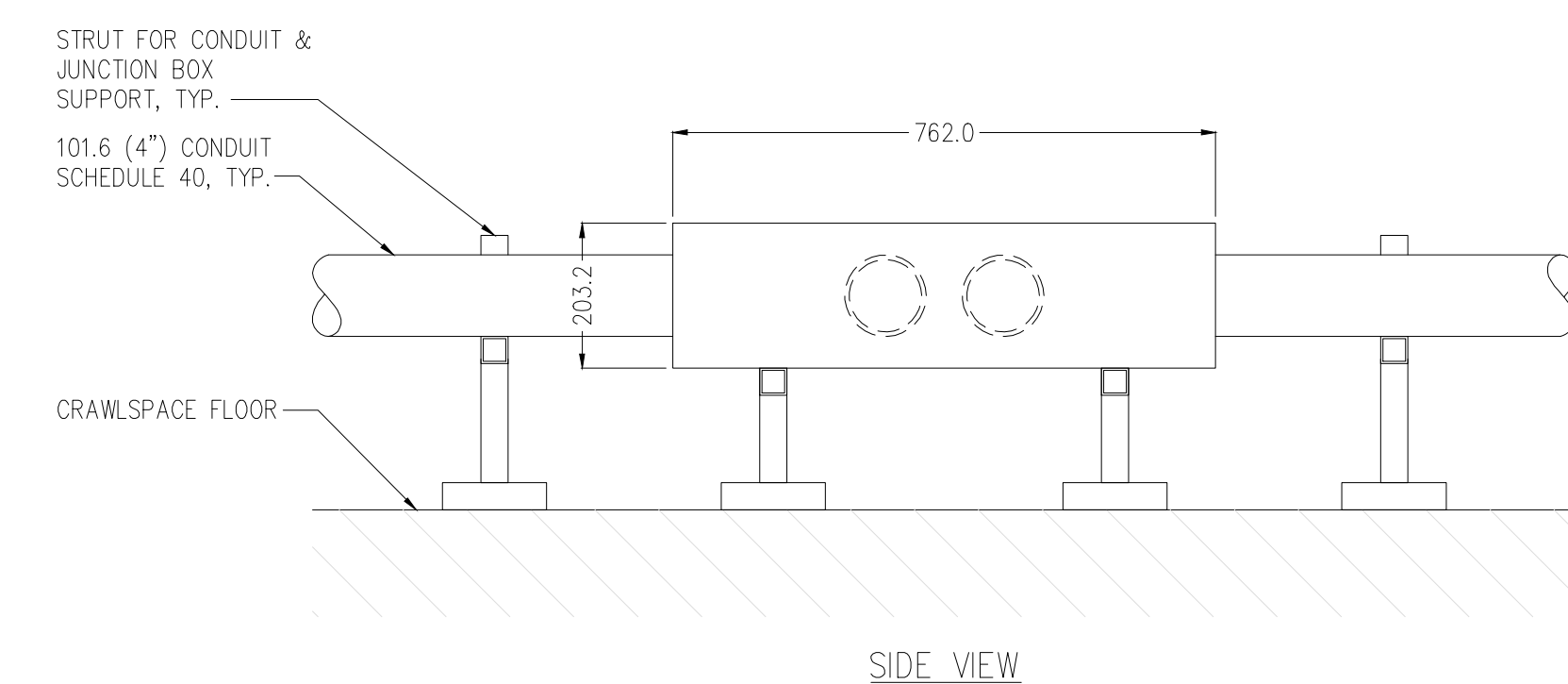
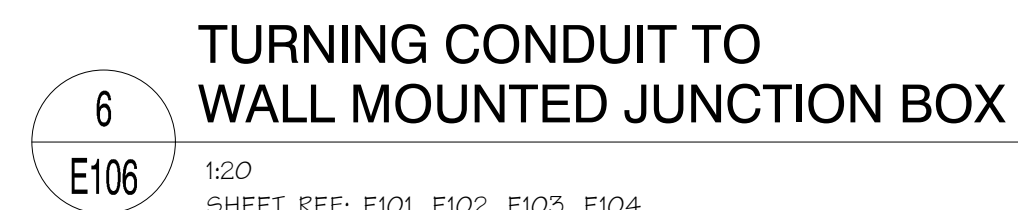
900 ROYAL BANK BLDG, 335 8TH AVE SW
CALGARY, AB. T2P 1C9

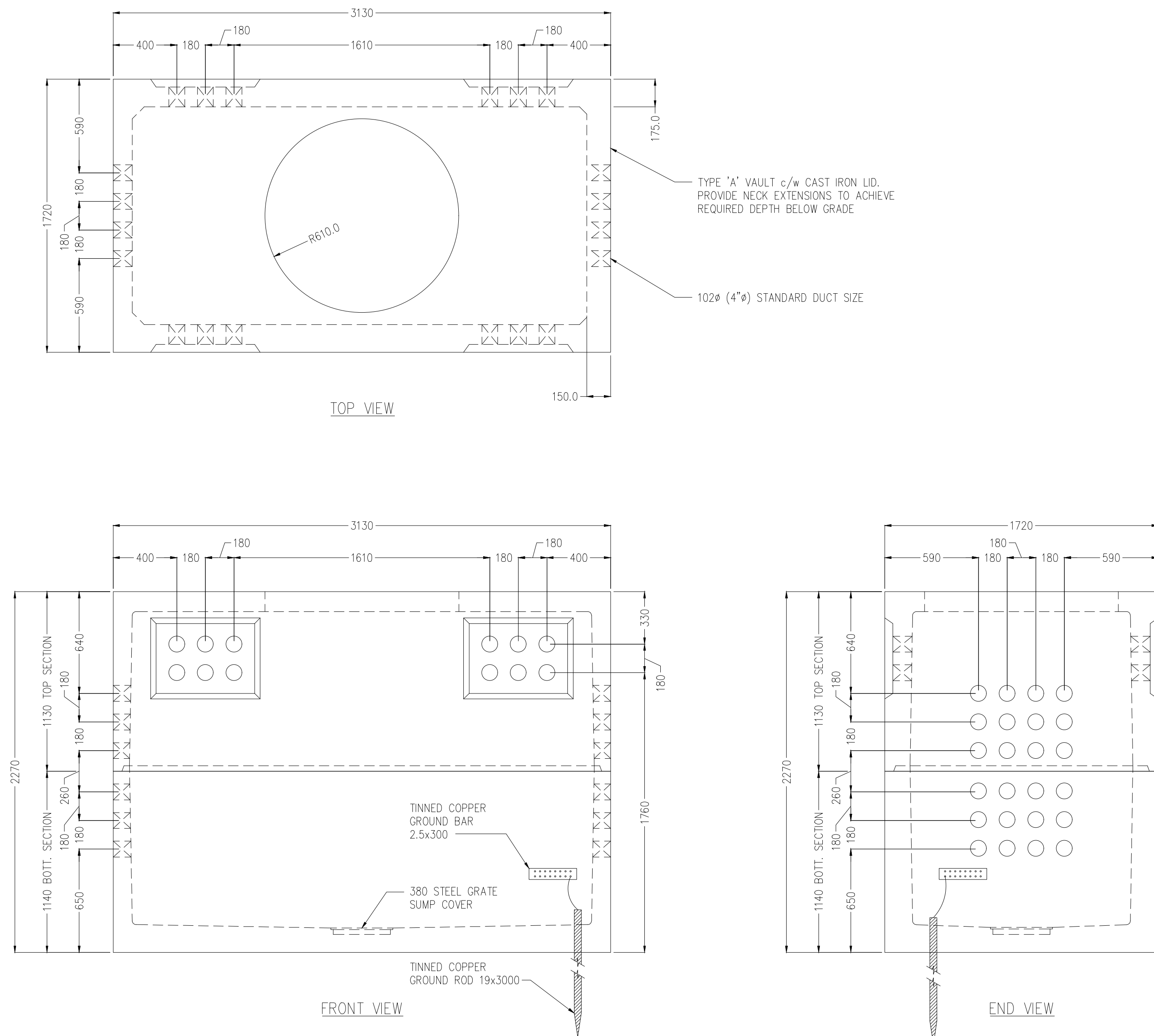
Project
DRUMHELLER, AB.
CSC DRUMHELLER INSTITUTION
DRUMHELLER CONDUIT REPLACEMENT/EXPANSION

Designed by
KAS
Drawn by
RTD/JJM
Approved by
KAS
Project Manager
Administrateur de Projets TPSCG

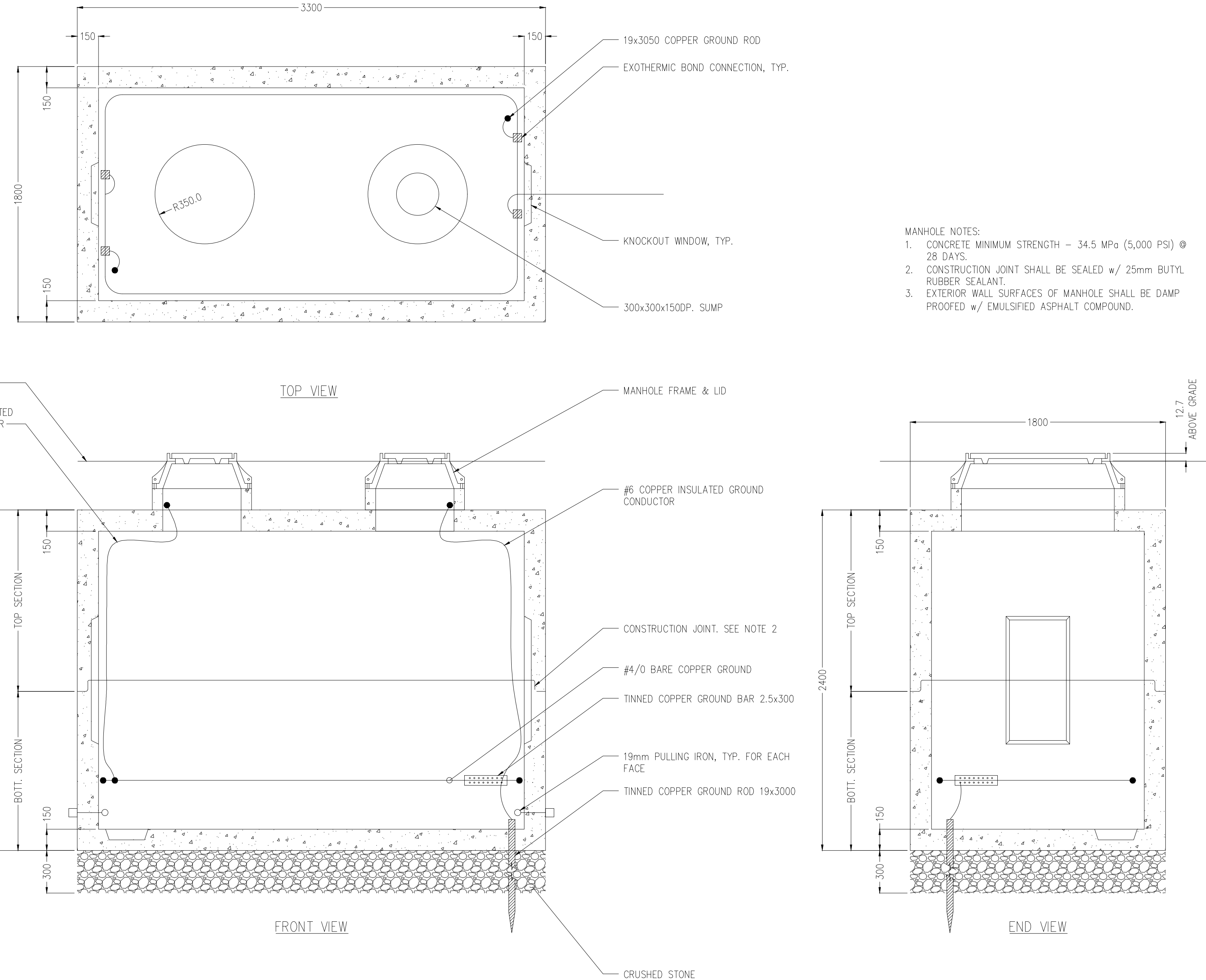
Drawing title
PARTIAL SITE
POWER & COMMUNICATION SYSTEM MANHOLES & CONDUITS ROUTING

Project no./No. du projet
R.078549.001
Drawing no./No. du dessin
E105
Revision no.
0
OF 21



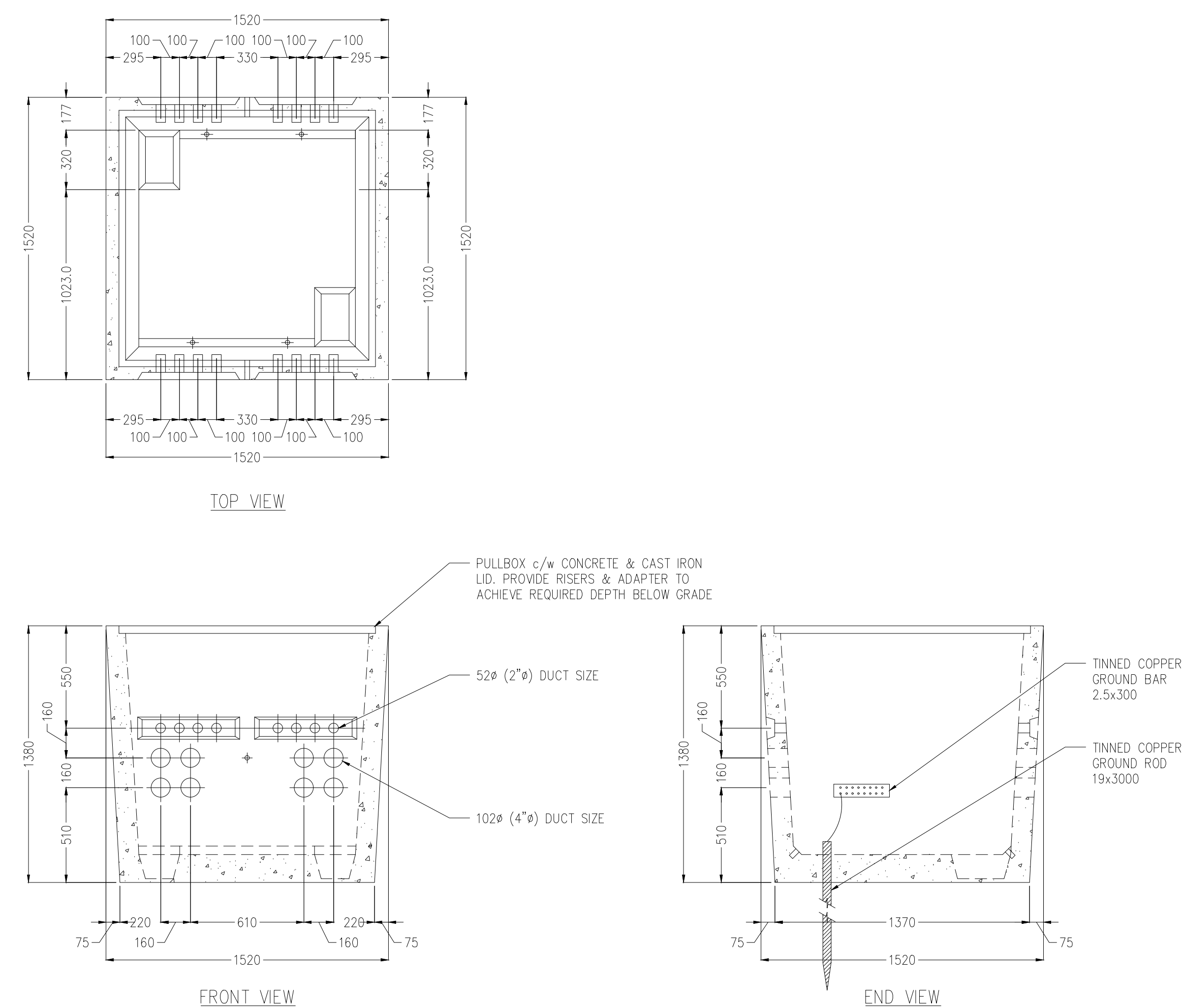


1 MANHOLE - TYPE A
E107 N.T.S.
SHEET REF: E101



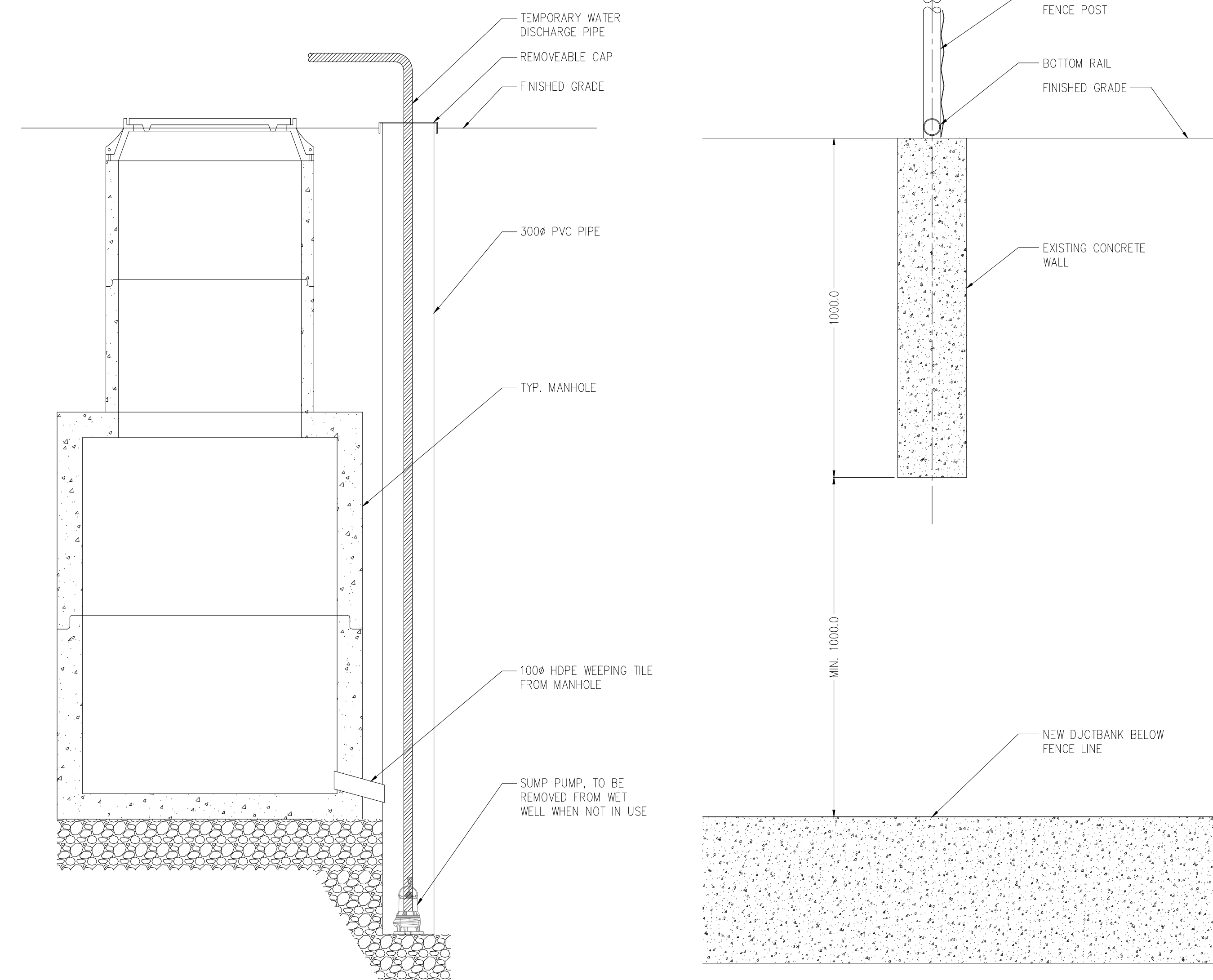
- MANHOLE NOTES:
1. CONCRETE MINIMUM STRENGTH - 34.5 MPa (5,000 PSI) @ 28 DAYS.
 2. CONSTRUCTION JOINT SHALL BE SEALED w/ 25mm BUTYL RUBBER SEALANT.
 3. EXTERIOR WALL SURFACES OF MANHOLE SHALL BE DAMP PROOFED w/ EMULSIFIED ASPHALT COMPOUND.

2 MANHOLE - TYPE B
E107 N.T.S.
SHEET REF: E101



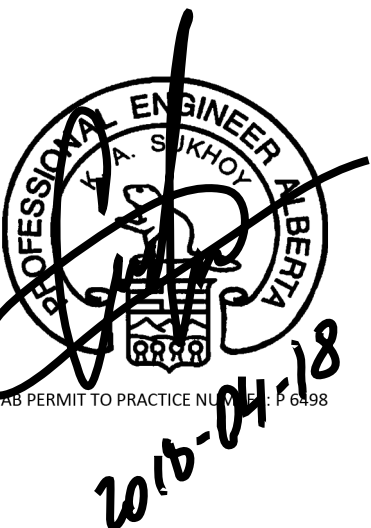
4 PULLBOX KIT
E107 N.T.S.
SHEET REF: E101

NOTE:
ALL PULLBOXES SHALL BE TO ANSI 77
STANDARD, APPLICATION TIER 15.

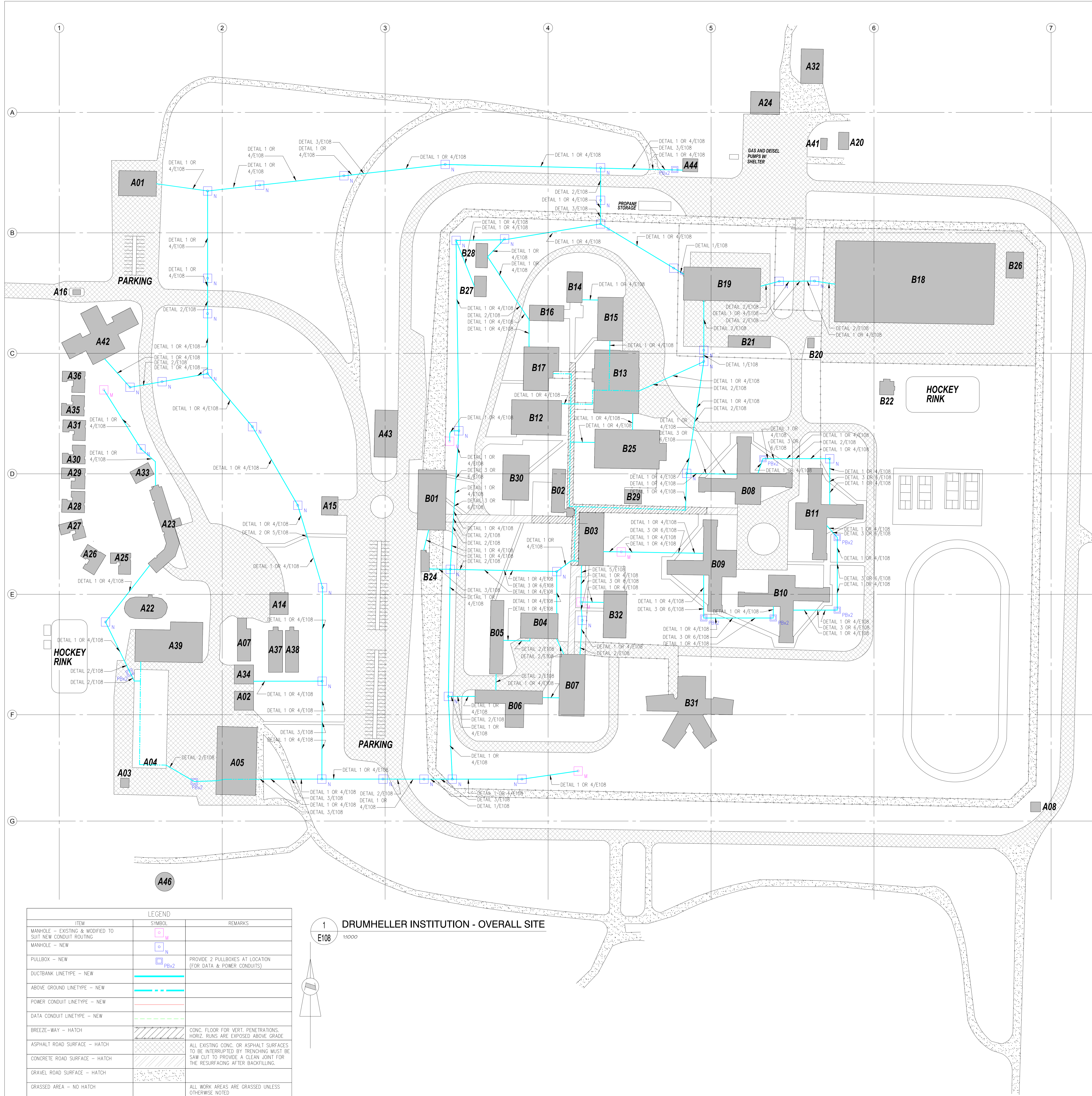


5 WET WELL @
MANHOLE TYPES A & B
E107 N.T.S.

6 DUCTBANK @
SECURITY FENCE
E107 N.T.S.

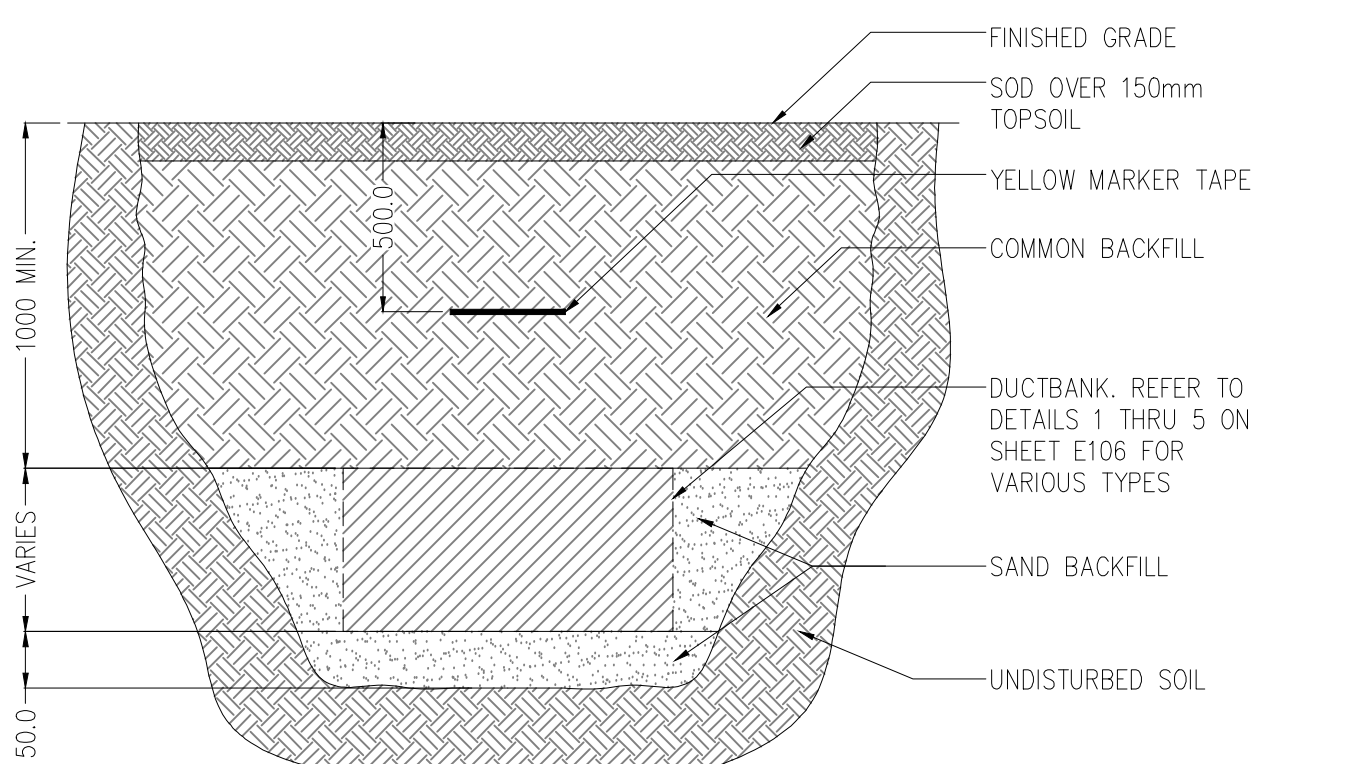


5	TENDER RESUBMITTAL 2018	2018/02/08
4	TENDER SUBMISSION	2017/11/06
3	100% RESUBMISSION	2017/10/16
2	100% SUBMISSION	2017/08/24
1	98% SUBMISSION	2017/06/30
6	ISSUED FOR TENDER	2018/04/17
Revised	Description	Date
Client	client	
PUBLIC WORKS & GOVERNMENT SERVICES		
900 ROYAL BANK BLDG, 335 8TH AVE SW CALGARY, AB. T2P 1C9		
Project	DRUMHELLER, AB.	Projet
CSC DRUMHELLER INSTITUTION DRUMHELLER CONDUIT REPLACEMENT/EXPANSION		
Designed by	KAS	Conçu par
Drawn by	RTD	Dessiné par
Approved by	KAS	Approuvé par
PM/GSC, Project Manager	Administrateur de Projets (PM/GSC)	
Drawing title	DETAILS	Titre du dessin
POWER & COMMUNICATION SYSTEM MANHOLES & CONDUITS ROUTING		
Project no./No. du projet	Drawing no./No. du dessin	Revision no.
R.078549.001	E107 OF 21	0

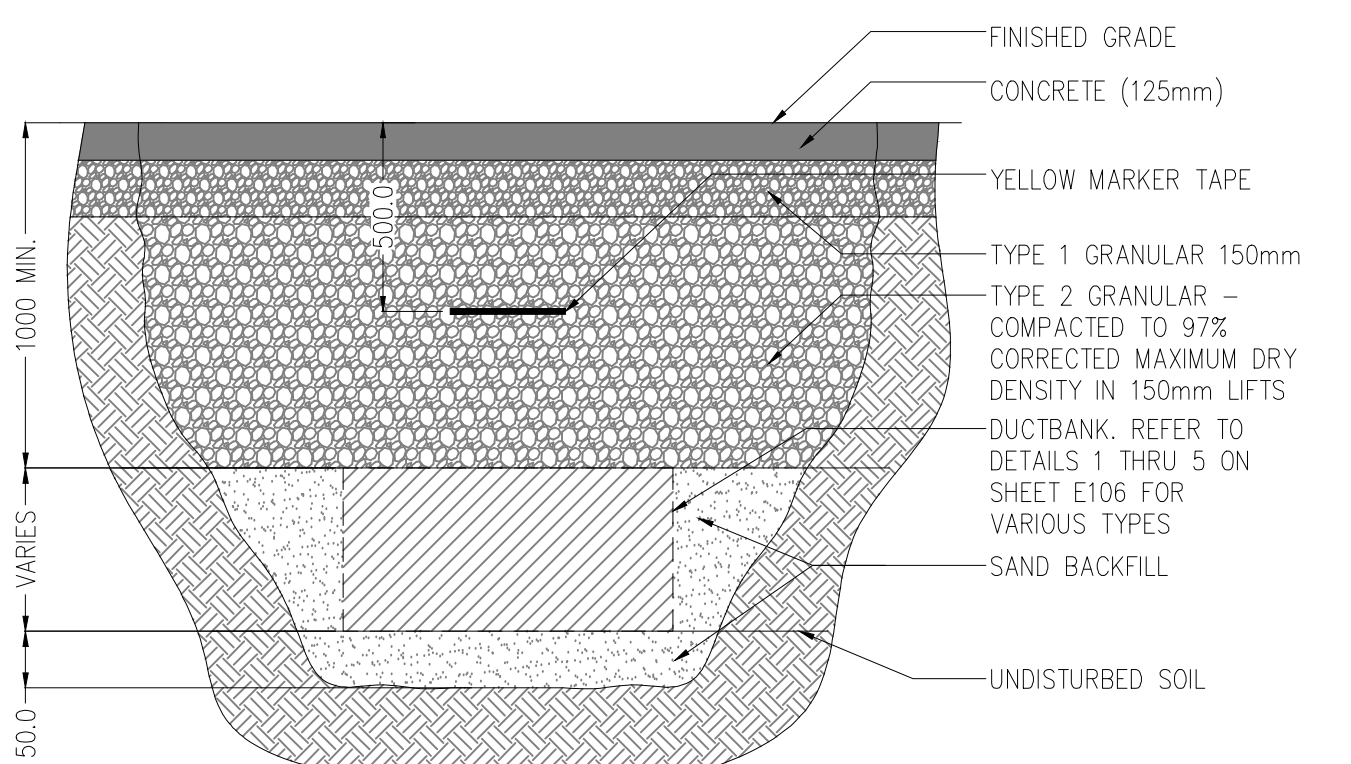


LEGEND		
ITEM	SYMBOL	REMARKS
MANHOLE - EXISTING & MODIFIED TO SUIT NEW CONDUIT ROUTING		
MANHOLE - NEW		
PULLBOX - NEW		PROVIDE 2 PULLBOXES AT LOCATION (FOR DATA & POWER CONDUITS)
DUCTBANK LINETYPE - NEW		
ABOVE GROUND LINETYPE - NEW		
POWER CONDUIT LINETYPE - NEW		
DATA CONDUIT LINETYPE - NEW		
BREEZE-WAY - HATCH		CONC. FLOOR FOR VERT. PENETRATIONS. HORIZ. RUNS ARE EXPOSED ABOVE GRADE.
ASPHALT ROAD SURFACE - HATCH		ALL EXISTING CONC. OR ASPHALT SURFACES TO BE INTERRUPTED BY TRENCHING MUST BE SAW CUT TO PROVIDE A CLEAN JOINT FOR THE RESURFACING AFTER BACKFILLING.
CONCRETE ROAD SURFACE - HATCH		
GRAVEL ROAD SURFACE - HATCH		
GRASSSED AREA - NO HATCH		ALL WORK AREAS ARE GRASSSED UNLESS OTHERWISE NOTED.
GENERAL NOTES:		
1. REFER TO SHEET E106 & E107 FOR WALL / FLOOR MOUNTED JUNCTION BOX & CONDUIT DETAILS.		
2. REFER TO SHEET E108 FOR JUNCTION BOX, PULLBOX, & MANHOLE LEGENDS.		
3. FOR CLARITY, ONLY NEW & MODIFIED ELECTRICAL EQUIPMENT ARE SHOWN ON PLANS.		

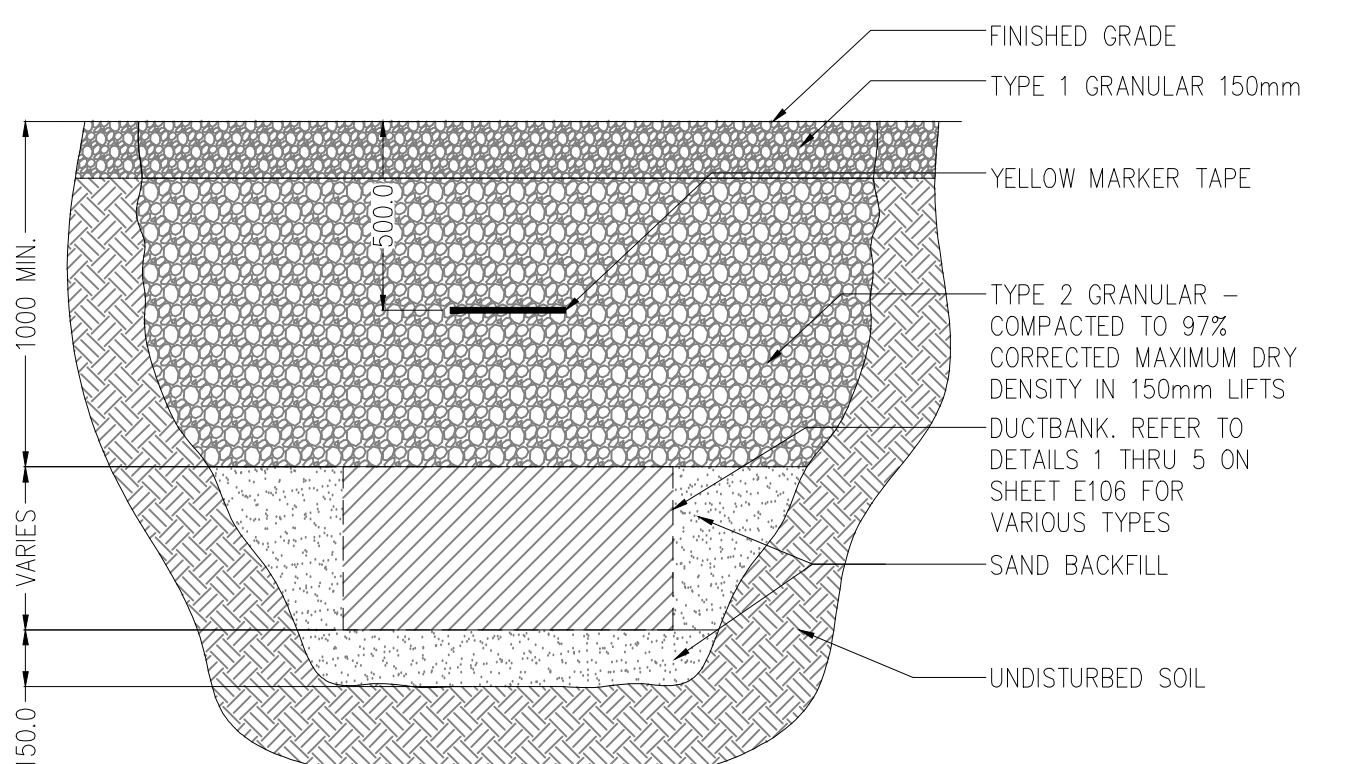
1 DRUMHELLER INSTITUTION - OVERALL SITE
E108 1:1000



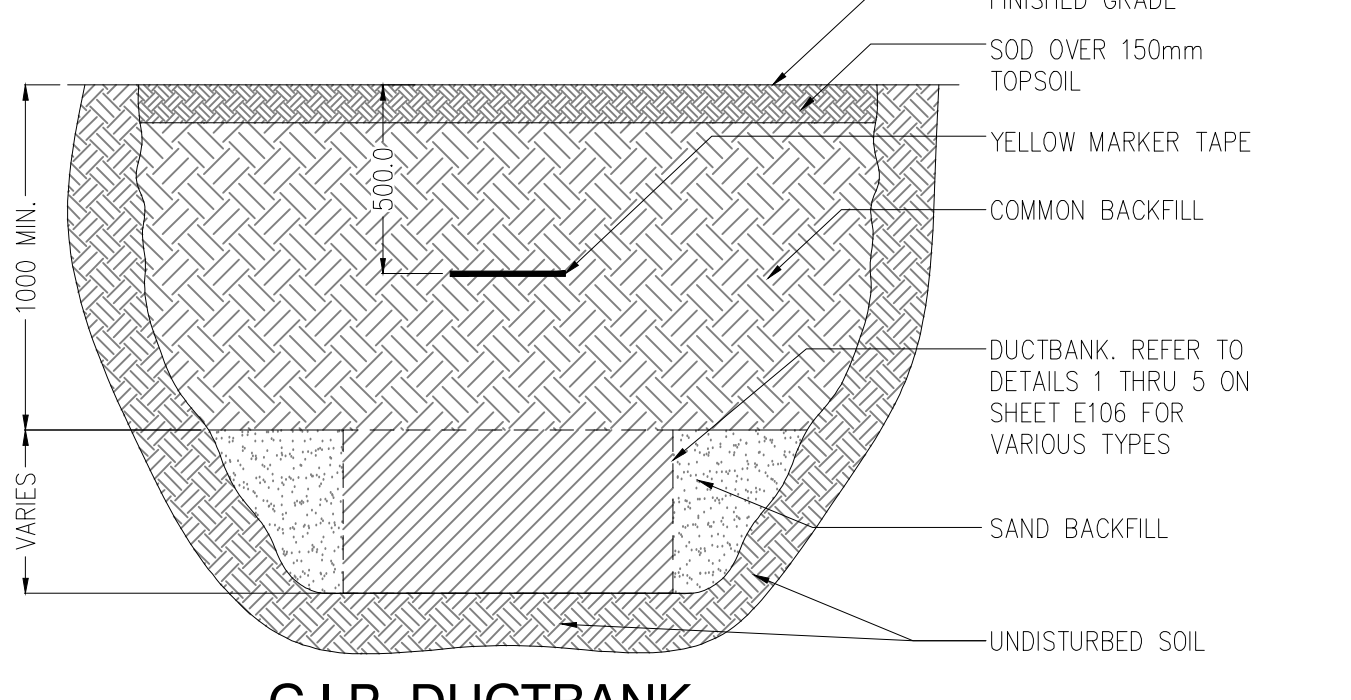
1 PRECAST DUCTBANK
SOD SECTION, TYP.
E108 N.T.B.



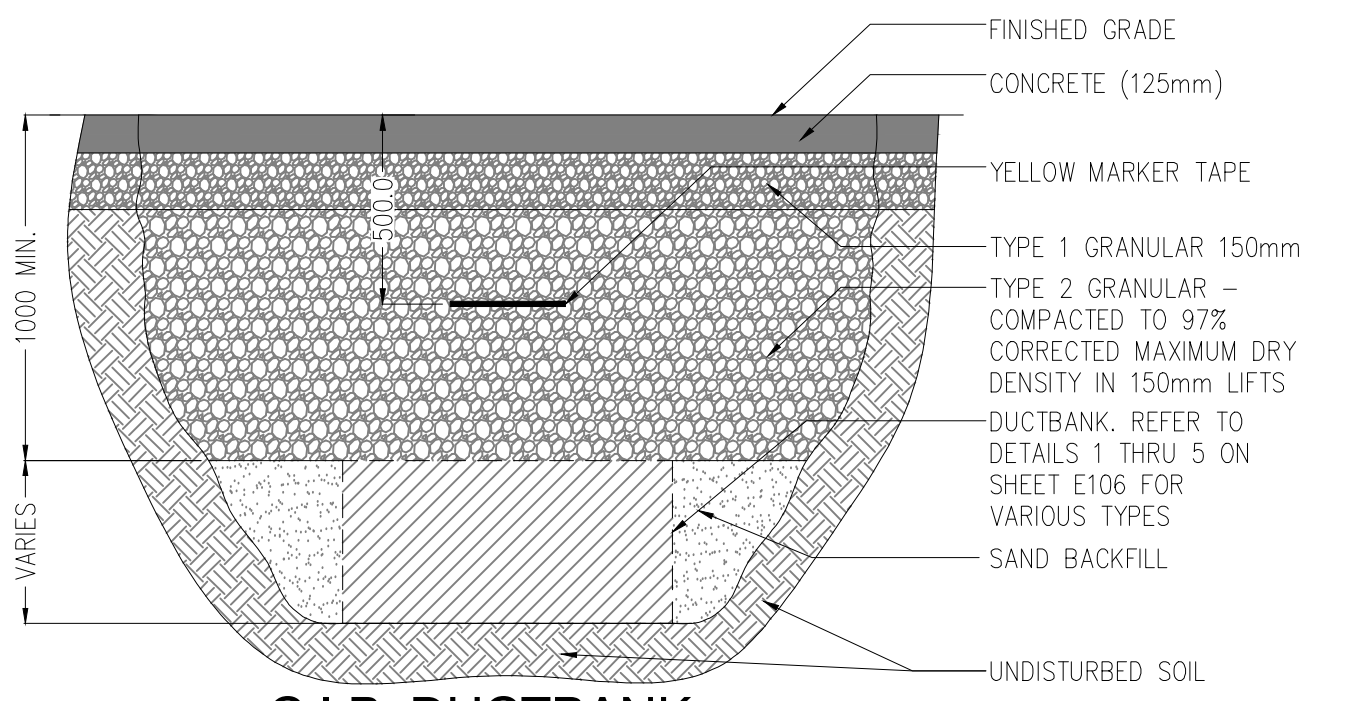
2 PRECAST DUCTBANK
CONCRETE SECTION, TYP.
E108 N.T.B.



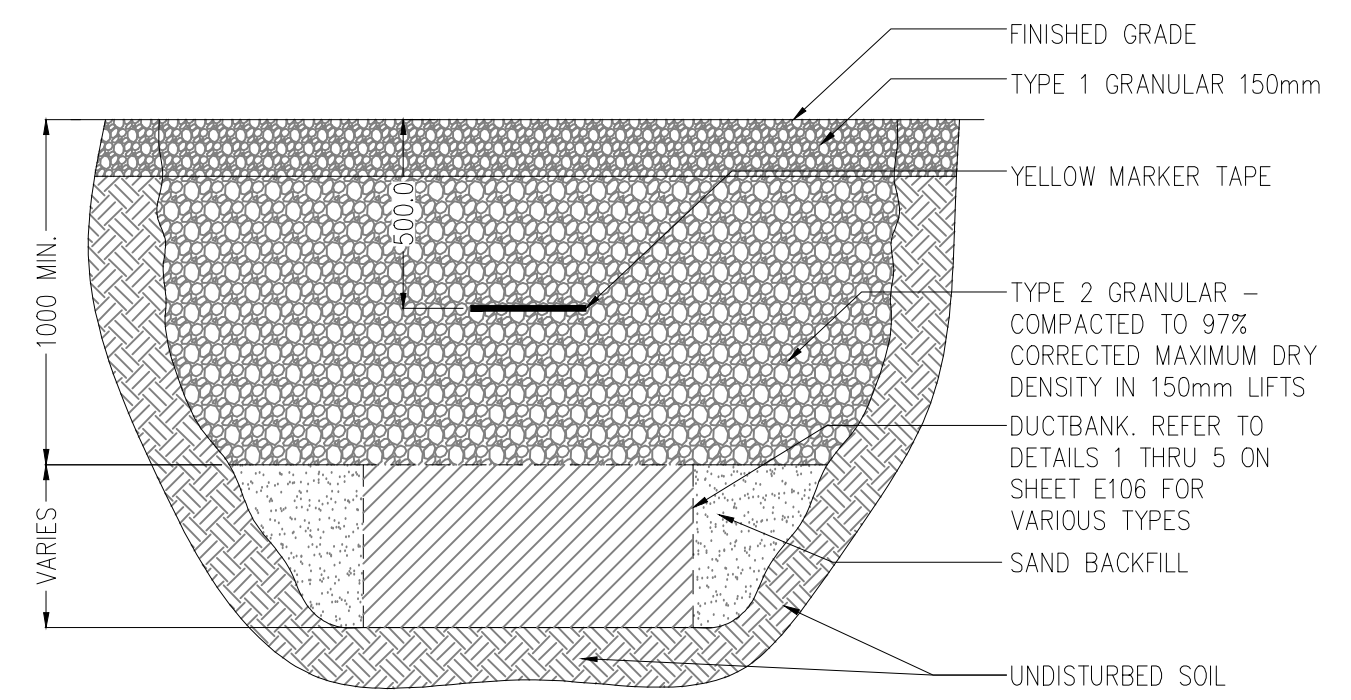
3 PRECAST DUCTBANK
GRAVEL SECTION, TYP.
E108 N.T.B.



4 C.I.P. DUCTBANK
SOD SECTION, TYP.
E108 N.T.B.



5 C.I.P. DUCTBANK
CONCRETE SECTION, TYP.
E108 N.T.B.



6 C.I.P. DUCTBANK
GRAVEL SECTION, TYP.
E108 N.T.B.

Public Works and Government Services
Travaux publics et Services gouvernementaux
Canada

REAL PROPERTY SERVICES
Western Region
SERVICES IMMOBILIERS
Région de l'ouest

5	TENDER RESUBMITTAL 2016	2016/02/06
4	TENDER SUBMISSION	2017/11/06
3	100% RESUBMISSION	2017/10/16
2	100% SUBMISSION	2017/08/24
1	99% SUBMISSION	2017/06/30
6	ISSUED FOR TENDER	2018/04/17

Client	Description	Date
client		

PUBLIC WORKS & GOVERNMENT SERVICES

900 ROYAL BANK BLDG, 335 8TH AVE SW
CALGARY, AB. T2P 1C9

Project

DRUMHELLER, AB.

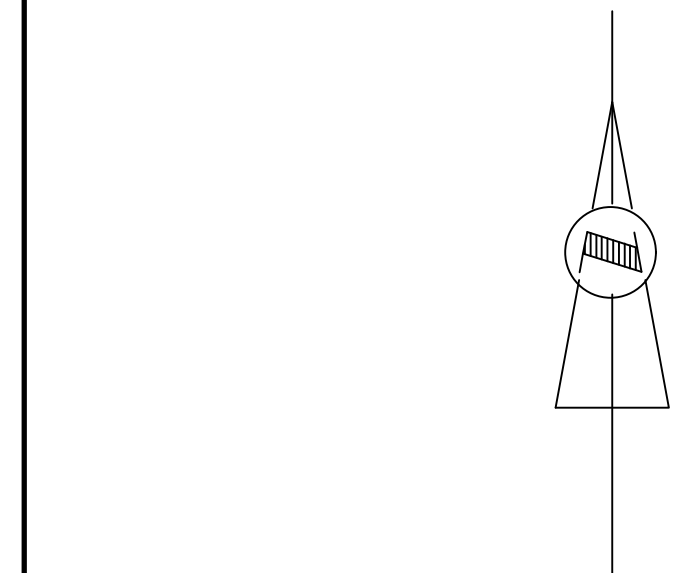
Project

CSC DRUMHELLER INSTITUTION
DRUMHELLER CONDUIT
REPLACEMENT/EXPANSION

Designed by	KAS	Drawn by	JJM/RDT	Approved by	KAS
Project Manager	PBGSC	Administrateur de Projets	TPSGC		

Drawing title	Titre du dessin
POWER & COMMUNICATION SYSTEM MANHOLES & CONDUITS ROUTING	

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
R.078549.001	E108	0
	OF 21	

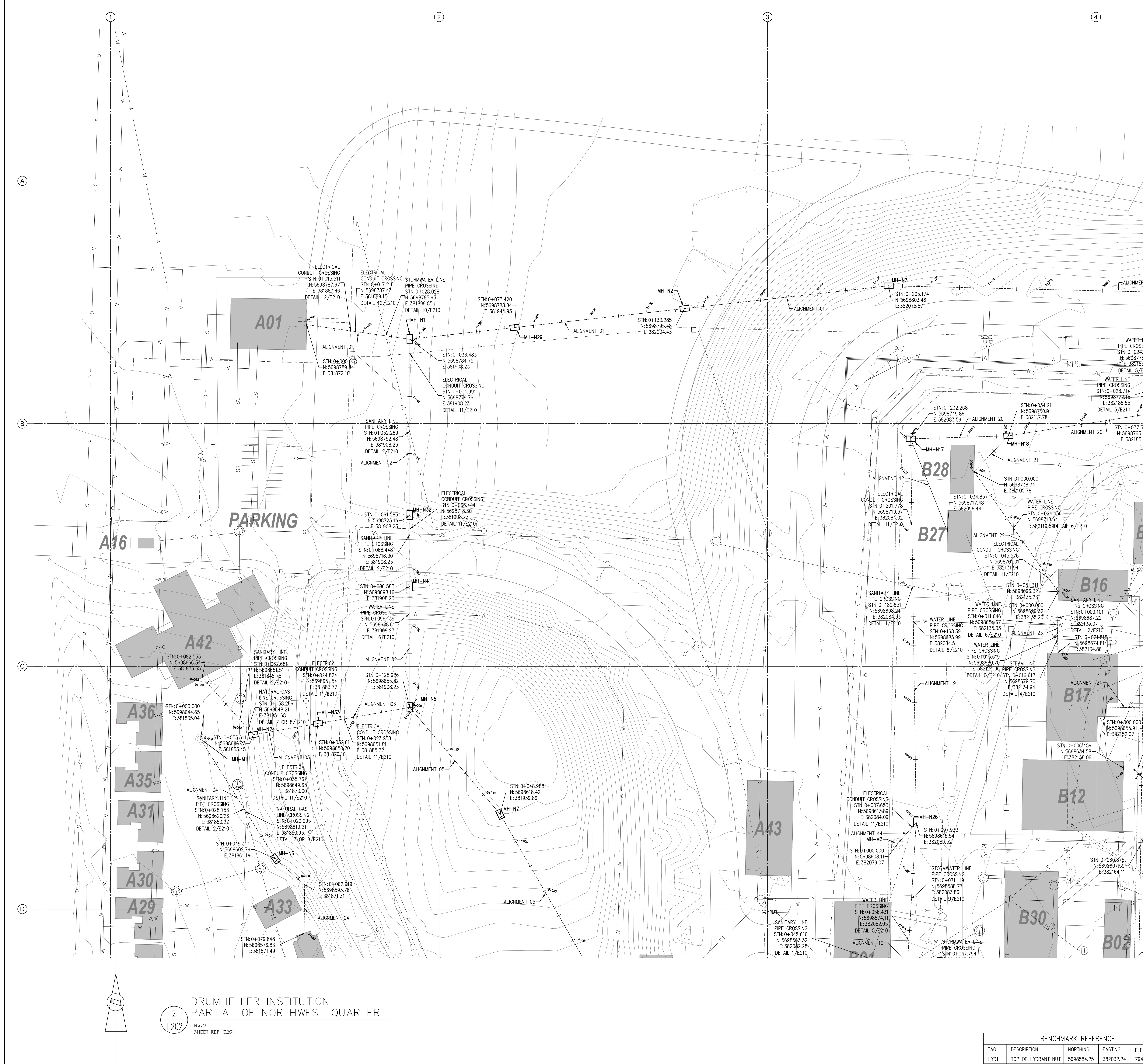


(F201) 1:1000

BENCHMARK REFERENCE				
TAG	DESCRIPTION	NORTHING	EASTING	ELEVATION (m)
HYD1	TOP OF HYDRANT NUT	5698584.25	5820322.24	794.31
HYD2	TOP OF HYDRANT NUT	5698385.84	582144.00	791.61
HYD3	TOP OF HYDRANT NUT	5698475.16	582261.73	791.52
HYD4	TOP OF HYDRANT NUT	5698600.78	582311.74	793.39
HYD5	TOP OF HYDRANT NUT	5698610.65	582269.59	793.06
HYD6	TOP OF HYDRANT NUT	5698625.95	582233.76	793.23
HYD7	TOP OF HYDRANT NUT	5698716.73	582219.68	792.92
HYD8	TOP OF HYDRANT NUT	5698745.43	582237.67	791.19

STRUCTURE TABLE				
STRUCTURE NAME	DETAILS	NORTHING	EASTING	CONDITION
MH-N21	RM = 791.36 SW INV = 789.106 N INV = 795.105	5698664.46	382258.34	NEW
	NE INV = 788.746			
MH-N23	RM = 803.48 SE INV = 801.828 NE INV = 801.828	5698480.62	381836.16	NEW
MH-N24	RM = 799.48 E INV = 797.465 NW INV = 798.265	5698646.23	381853.45	NEW
MH-N25	RM = 790.44 W INV = 786.927 E INV = 787.727	5698721.00	382311.56	NEW
MH-N26	RM = 792.64 S INV = 790.620 SW INV = 790.981 N INV = 791.371	5698615.54	352085.52	NEW
MH-N27	RM = 790.05 W INV = 783.230 N INV = 787.430 SE INV = 787.430	5698761.49	382185.54	NEW
MH-N28	RM = 790.18 NW INV = 786.963 SE INV = 787.143	5699730.31	382237.13	NEW
MH-N29	RM = 807.41 W INV = 800.190 E INV = 800.190	5698788.84	381944.93	NEW
MH-N30	RM = 790.61 W INV = 789.892 E INV = 787.892	5698721.17	382336.57	NEW
MH-N31	RM = 790.53 S INV = 787.910 W INV = 787.910	5698593.83	382347.24	NEW
MH-N32	RM = 797.58 N INV = 796.768 S INV = 794.968	5698723.16	381908.23	NEW
MH-N33	RM = 798.72 E INV = 796.502 W INV = 795.507	5698650.20	381876.10	NEW
MH-N34	RM = 792.28 W INV = 790.143 E INV = 790.143	5698369.76	382060.91	NEW
MH-N35	RM = 791.92 S INV = 790.524 N INV = 790.524	5698481.80	382172.57	NEW
MH-N36	RM = 791.41 S INV = 789.089 N INV = 789.889	5698672.37	382258.34	NEW
MH-N37	RM = 791.00 W INV = 788.286 E INV = 787.486	5698778.23	382185.54	NEW
Pull Box 01	RM = 791.43 N INV = 789.962 E INV = 789.962	5698483.47	382258.29	NEW
Pull Box 02	RM = 792.25 W INV = 790.784 N INV = 790.524	5698483.47	382307.35	NEW
Pull Box 03	RM = 790.63 W INV = 789.170 N INV = 789.170	5698489.01	382352.56	NEW
Pull Box 04	RM = 791.40 S INV = 789.632 NW INV = 788.932	5698540.22	382352.56	NEW
Pull Box 06	RM = 793.03 E INV = 791.563 SW INV = 791.563	5698593.83	382300.11	NEW
Pull Box 07	RM = 800.35 SE INV = 798.884 NW INV = 798.884	5698445.17	381853.44	NEW
Pull Box 08	RM = 799.70 NW INV = 798.236 E INV = 798.236	5698368.09	381898.81	NEW
Pull Box 09	RM = 790.62 W INV = 789.512 E INV = 789.512	5698799.62	382237.78	NEW

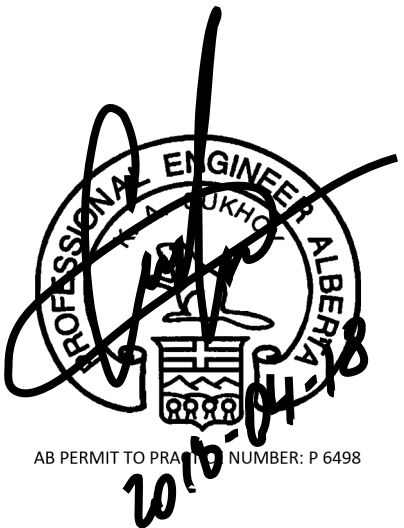
B BUILDINGS – MEDIUM SECURITY AREA			
BUILDING USAGE	NUMBER	BUILDING USAGE	NUMBER
	B-01	SCHOOL	B-17
	B-02	CORCAN	B-18
ADMINISTRATION	B-03	MAINTENANCE BUILDING	B-19
INTAKE ASSESSMENT UNIT	B-04	SALLY PORT	B-20
DISSOCIATION	B-05	MAINTENANCE STORAGE	B-21
A AND D	B-06	FIELDHOUSE SLAB ELECT-SUB	B-22
HEALTH CARE INTAKE UNIT	B-07	CURLING RINK (DEMOLISHED)	B-23
LIVING UNITS #8	B-08	MCCP	B-24
LIVING UNITS #9	B-09	GYMNASIUM	B-25
LIVING UNITS #10	B-10	INDUSTRIES STORAGE	B-26
LIVING UNITS #11	B-11	FAMILY VISITING #1 (S)	B-27
NATIVE CULTURAL CENTRE	B-12	FAMILY VISITING #2 (N)	B-28
KITCHEN	B-13	INMATE CANTEN (DEMOLISHED)	B-29
CATHOLIC CHAPEL	B-14	PROGRAM/ADMIN BUILDING	B-30
S.I.S.	B-15	LIVING UNIT	B-31
PROTESTANT CHAPEL	B-16	G BUILDING	B-32



BENCHMARK REFERENCE				
TAG	DESCRIPTION	NORTHING	EASTING	ELEVATION (m)
HYD1	TOP OF HYDRANT NUT	5698594.25	382032.24	794.31
HYD2	TOP OF HYDRANT NUT	5698385.84	382144.00	791.61
HYD3	TOP OF HYDRANT NUT	5698475.16	382261.73	791.52
HYD4	TOP OF HYDRANT NUT	5698600.78	382311.74	793.39
HYD5	TOP OF HYDRANT NUT	5698610.65	382269.59	793.06
HYD6	TOP OF HYDRANT NUT	5698625.95	382233.76	793.23
HYD7	TOP OF HYDRANT NUT	5698716.73	382219.68	791.99
HYD8	TOP OF HYDRANT NUT	5698745.43	382273.67	792.12

LEGEND		
ITEM	SYMBOL	REMARKS
EXISTING FENCE		
EXISTING WATER LINE		
EXISTING STEAM LINE		
EXISTING STORMWATER LINE		
EXISTING SANITARY LINE		
EXISTING GAS LINE		
EXISTING ELECTRICAL CONDUIT		
NEW ELECTRICAL CONDUIT		
NEW MANHOLE OR PULLBOX		REFER TO STRUCTURE TABLE ON SHEET E201 FOR STRUCTURE INFORMATION
EXISTING HYDRANT (HYD#)		BENCHMARK REFERENCE
EXISTING CATCH BASIN OR PIT		
EXISTING MANHOLE		
EXISTING LIGHT STANDARD		
EXISTING LAMP STANDARD		

GENERAL NOTES:
1. REFER TO SHEETS E200 TO E209 FOR ALIGNMENT PROFILES.
2. FOR CLARITY, ONLY NEW & MODIFIED ELECTRICAL EQUIPMENT ARE SHOWN ON PLANS.



5	TENDER RESUBMITTAL 2018	2018/02/08
4	TENDER SUBMISSION	2017/11/06
3	100% RESUBMISSIONS	2017/10/16
2	100% SUBMISSION	2017/08/24
1	99% SUBMISSION	2017/06/26
6	ISSUED FOR TENDER	2018/04/17

PUBLIC WORKS & GOVERNMENT SERVICES

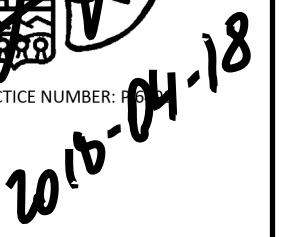
900 ROYAL BANK BLDG, 335 8TH AVE SW
CALGARY, AB. T2P 1C9

Project: DRUMHELLER, AB.
CSC DRUMHELLER INSTITUTION
DRUMHELLER CONDUIT REPLACEMENT/EXPANSION

Author: SN	Checked: JMM
Drawn: JMM	Reviewed: JMM
Approved: KAS	Approved: JMM

Project Manager: JMM
Project Engineer: JMM

Drawing Title: PARTIAL SITE
Title du dessin: PARTIAL SITE
POWER & COMMUNICATION SYSTEM MANHOLES & CONDUITS ROUTING ALIGNMENTS



**PUBLIC WORKS &
GOVERNMENT SERVICES**

DRUMHELLER, AB.
CSC DRUMHELLER INSTITUTION
DRUMHELLER CONDUIT
REPLACEMENT/EXPANSION

TPSC Project Manager Administrateur de Projets TPSC

**POWER & COMMUNICATION
SYSTEM MANHOLES
& CONDUITS ROUTING ALIGNMENTS**

R.078549.001	E203	0
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BENCHMARK REFERENCE				
TAG	DESCRIPTION	NORTHING	EASTING	ELEVATION (m)
HYD1	TOP OF HYDRANT NUT	5698584.25	382032.24	794.31
HYD2	TOP OF HYDRANT NUT	5698385.84	382144.00	791.61
HYD3	TOP OF HYDRANT NUT	5698475.16	382261.73	791.52
HYD4	TOP OF HYDRANT NUT	5698600.78	382311.74	793.39
HYD5	TOP OF HYDRANT NUT	5698610.65	382269.59	793.06
HYD6	TOP OF HYDRANT NUT	5698625.95	382233.76	793.23
HYD7	TOP OF HYDRANT NUT	5698716.73	382219.68	791.92
HYD8	TOP OF HYDRANT NUT	5698745.43	382273.67	792.19

LEGEND		
ITEM	SYMBOL	REMARKS
EXISTING FENCE		
EXISTING WATER LINE		
EXISTING STEAM LINE		
EXISTING STORMWATER LINE		
EXISTING SANITARY LINE		
EXISTING GAS LINE		
EXISTING ELECTRICAL CONDUIT		
NEW ELECTRICAL CONDUIT		
NEW MANHOLE OR PULLBOX		REFER TO STRUCTURE TABLE ON SHEET 2.01 FOR STRUCTURE INFORMATION
EXISTING HYDRANT (HYD#)		BENCHMARK REFERENCE
EXISTING CATCH BASIN OR PIT		
EXISTING MANHOLE		
EXISTING LIGHT STANDARD		
EXISTING LAMP STANDARD		

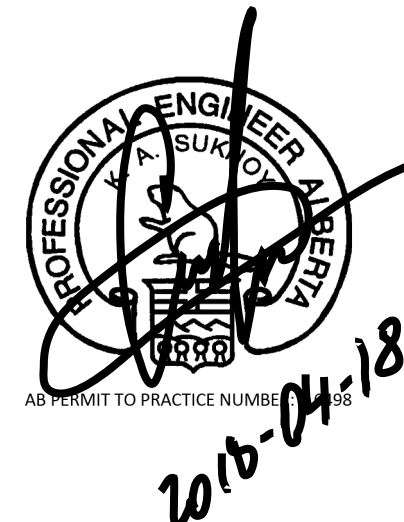
GENERAL NOTES:

1. REFER TO SHEET E201 FOR MANHOLE REFERENCES AND BENCHMARK REFERENCES.
2. REFER TO SHEETS E206 TO E209 FOR ALIGNMENT PROFILES.
3. FOR CLARITY, ONLY NEW & MODIFIED ELECTRICAL EQUIPMENT ARE SHOWN ON PLANS.



GENERAL NOTES:

1. REFER TO SHEET E201 FOR MANHOLE REFERENCES AND BENCHMARK REFERENCES.
2. REFER TO SHEETS E206 TO E209 FOR ALIGNMENT PROFILES.
3. FOR CLARITY, ONLY NEW & MODIFIED ELECTRICAL EQUIPMENT ARE SHOWN ON PLANS.



**PUBLIC WORKS &
GOVERNMENT SERVICES**

DRUMHELLER, AB.
CSC DRUMHELLER INSTITUTION
**DRUMHELLER CONDUIT
REPLACEMENT/EXPANSION**

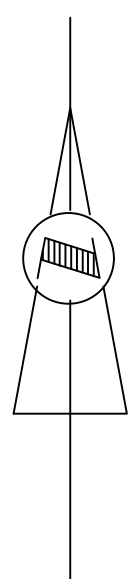
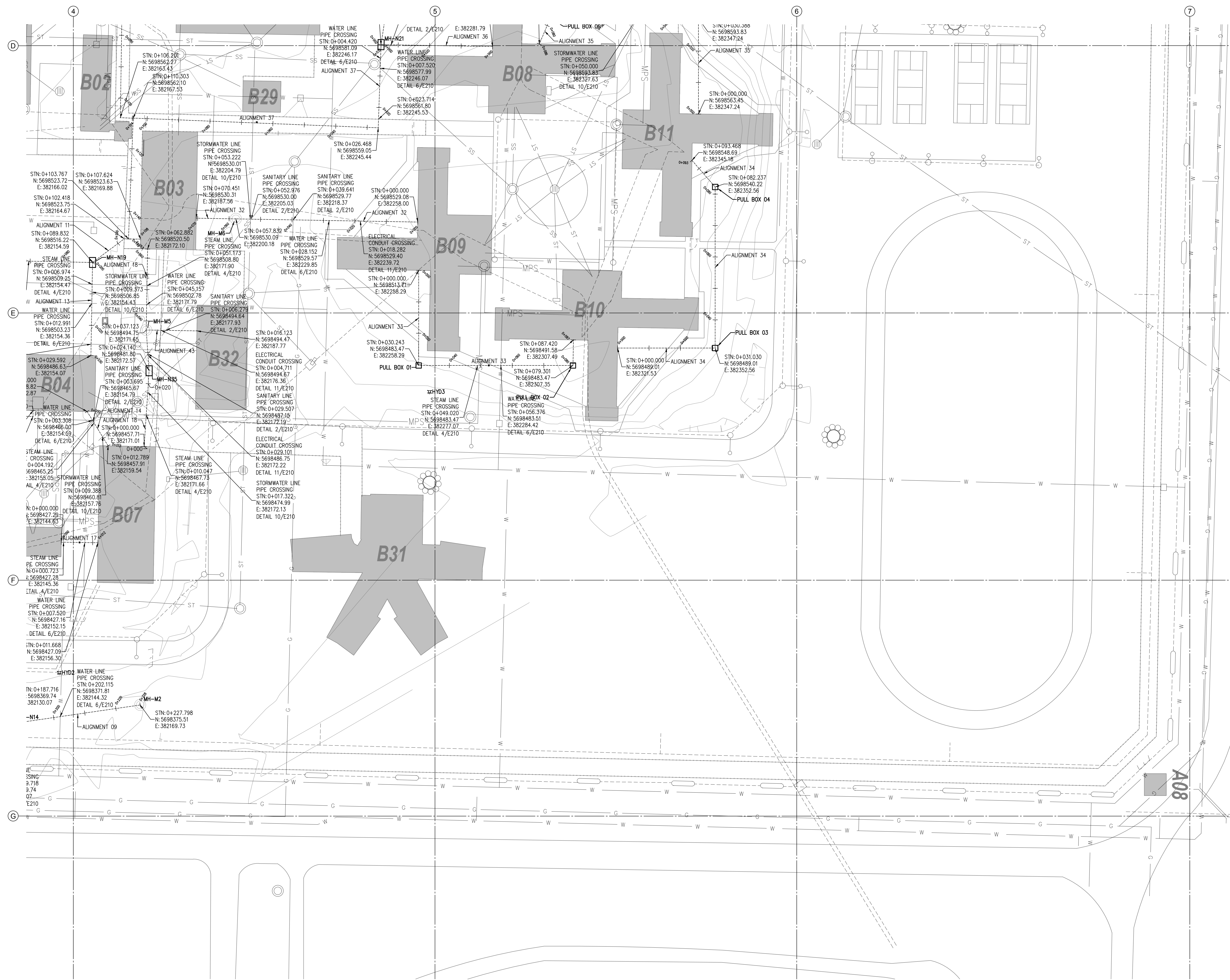
PWGSC Project Manager Administrateur de Projets TPSGC

PARTIAL SITE

**POWER & COMMUNICATION
SYSTEM MANHOLES
& CONDUITS ROUTING ALIGNMENTS**

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
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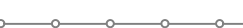
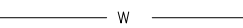


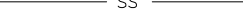


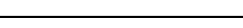
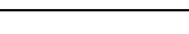



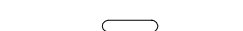

R.078549.001	E205	0
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DRUMHELLER INSTITUTION
PARTIAL OF SOUTHEAST QUARTER

1500
SHEET REF. E201

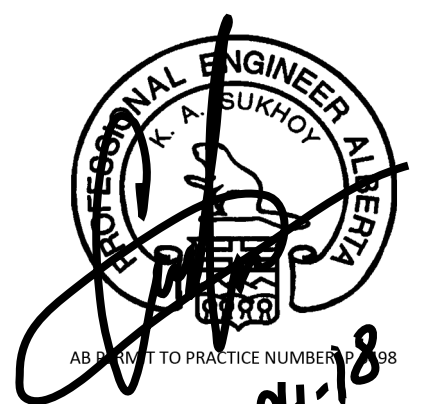
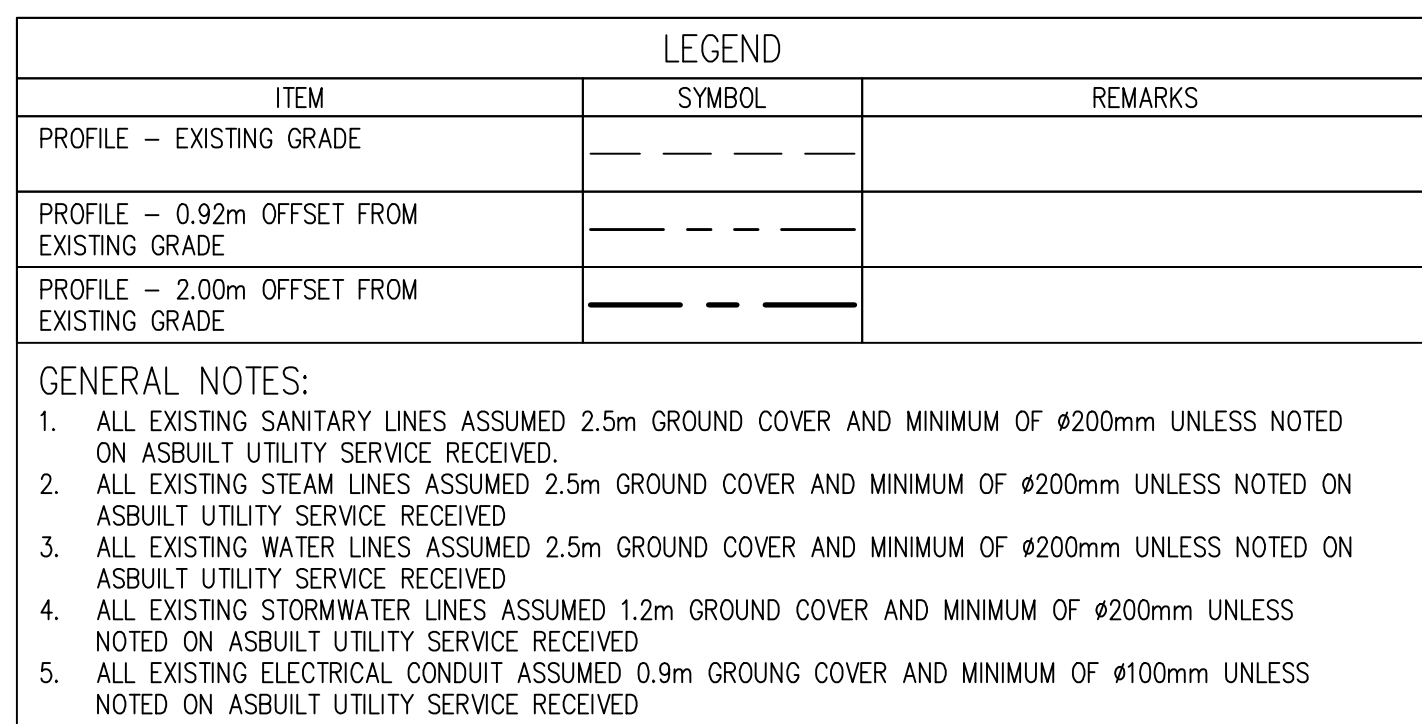
BENCHMARK REFERENCE				
TAG	DESCRIPTION	NORTHING	EASTING	ELEVATION (m)
HYD1	TOP OF HYDRANT NUT	5698584.25	382032.24	794.31
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HYD6	TOP OF HYDRANT NUT	5698625.95	382233.76	793.23
HYD7	TOP OF HYDRANT NUT	5698671.73	382219.68	791.99
HYD8	TOP OF HYDRANT NUT	5698745.43	382273.67	792.12

LEGEND		
ITEM	SYMBOL	REMARKS
EXISTING FENCE		
EXISTING WATER LINE		
EXISTING STEAM LINE		
EXISTING STORMWATER LINE		
EXISTING SANITARY LINE		
EXISTING GAS LINE		
EXISTING ELECTRICAL CONDUIT		
NEW ELECTRICAL CONDUIT		
NEW MANHOLE OR PULLBOX		REFER TO STRUCTURE TABLE ON SHEET 2.001 FOR STRUCTURE INFORMATION
EXISTING HYDRANT (HYD)		BENCHMARK REFERENCE
EXISTING CATCH BASIN OR PIT		
EXISTING MANHOLE		
EXISTING LIGHT STANDARD		
EXISTING LAMP STANDARD		

GENERAL NOTES:

1. REFER TO SHEET E201 FOR MANHOLE REFERENCES AND BENCHMARK REFERENCES.
2. REFER TO SHEETS E206 TO E209 FOR ALIGNMENT PROFILES.
3. FOR CLARITY, ONLY NEW & MODIFIED ELECTRICAL EQUIPMENT ARE SHOWN ON PLANS.





5	TENDER RESUBMITTAL 2018	2018/02/06
4	TENDER SUBMISSION	2017/11/06
3	100% RESUBMISSION	2017/10/16
2	100% SUBMISSION	2017/08/24
1	99% SUBMISSION	2017/06/26
6	ISSUED FOR TENDER	2018/04/17

**PUBLIC WORKS &
GOVERNMENT SERVICES**

900 ROYAL BANK BLDG, 335 8TH AVE SW
CALGARY, AB. T2P 1C9

DRUMHELLER, AB.

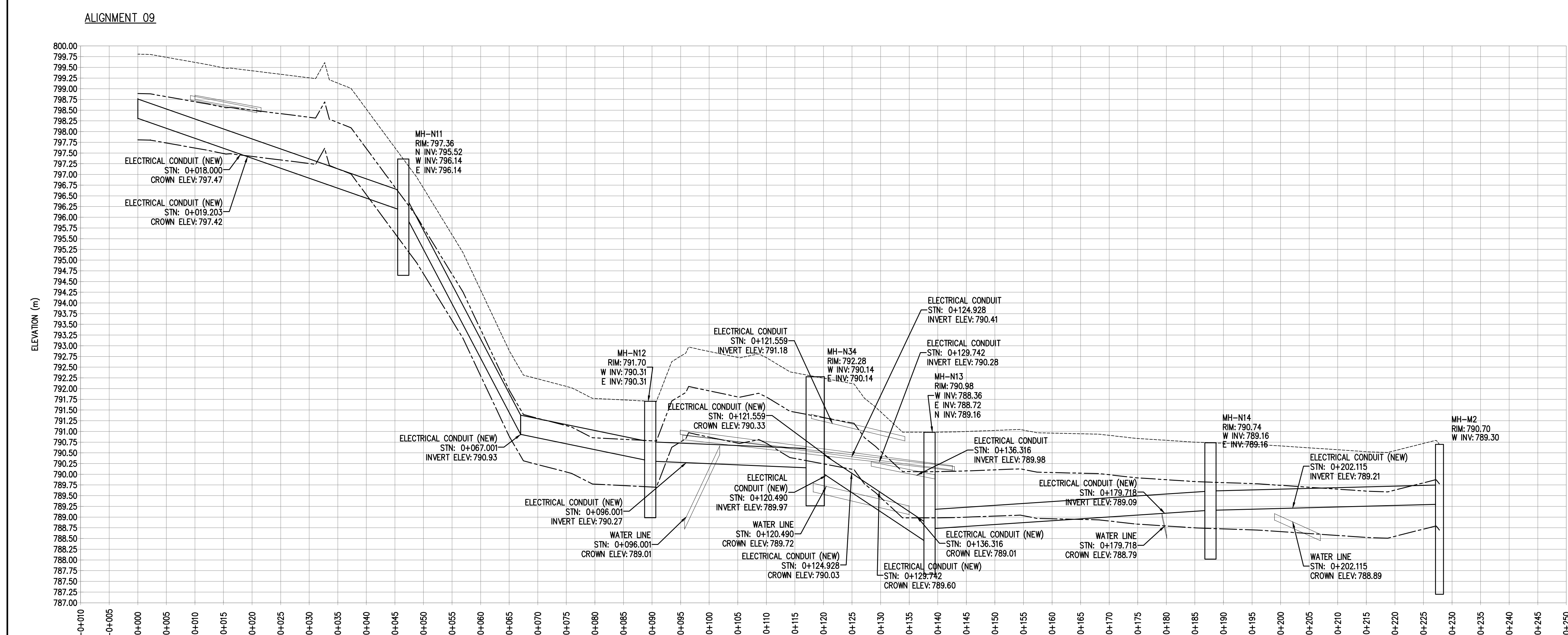
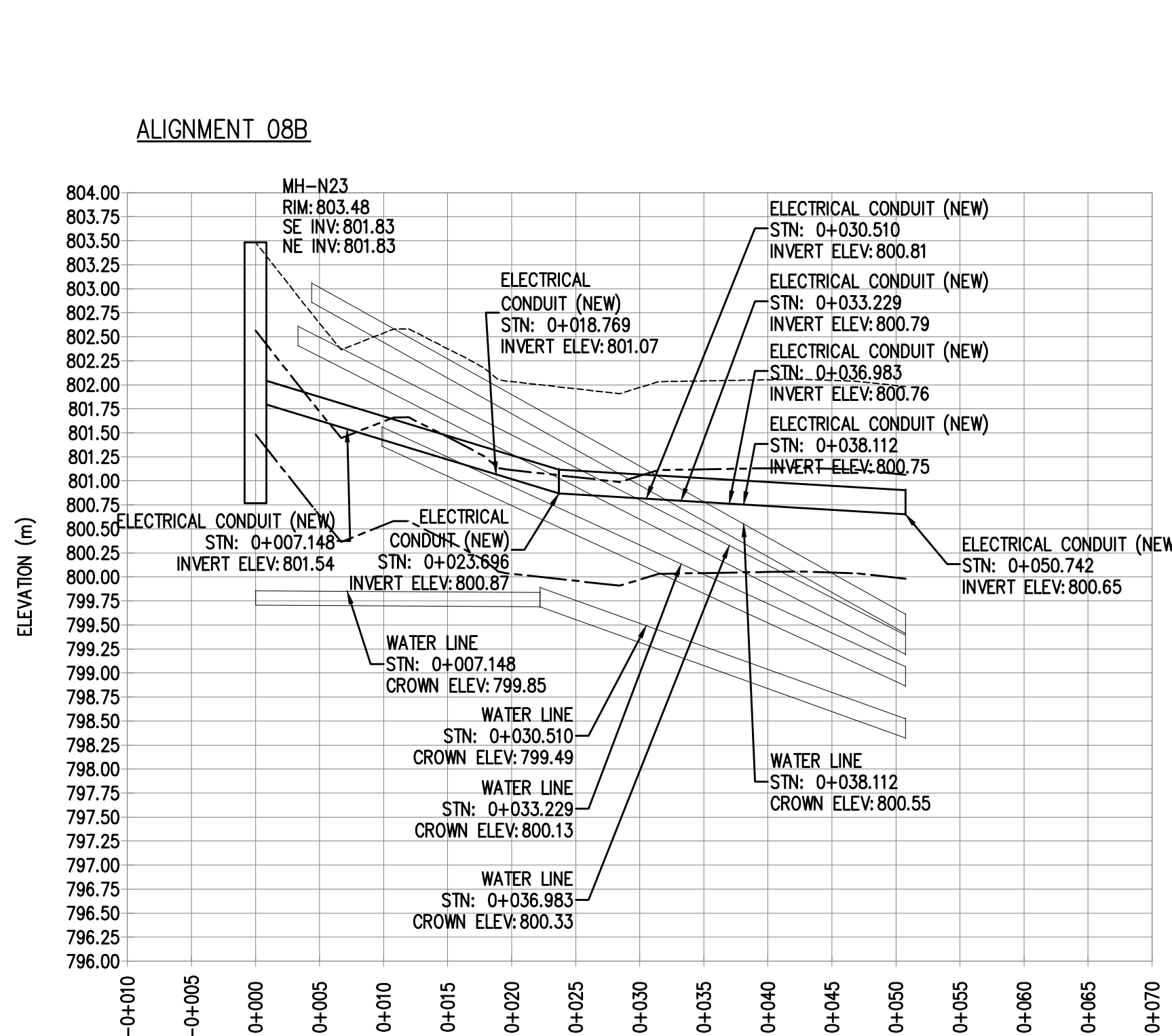
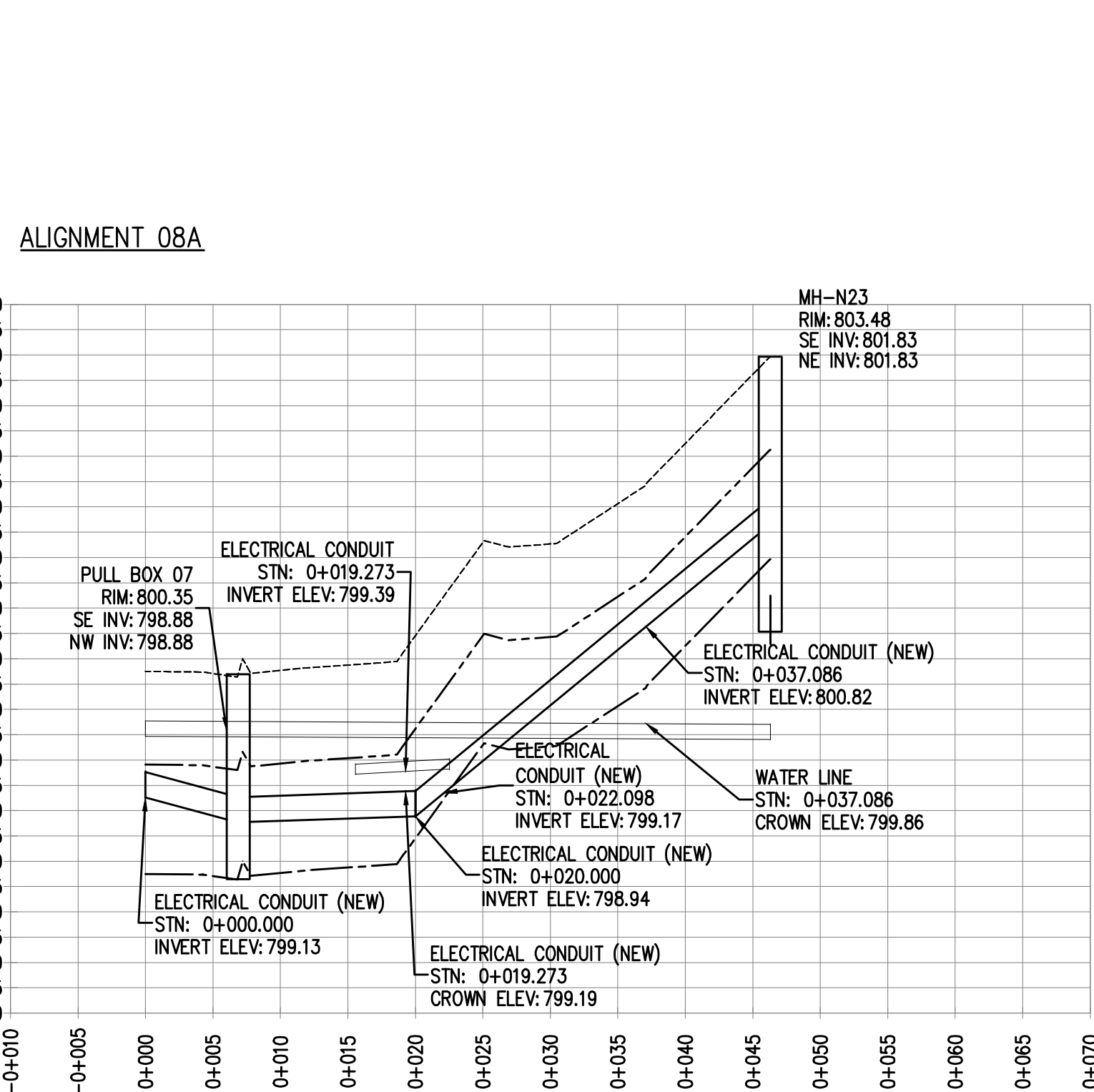
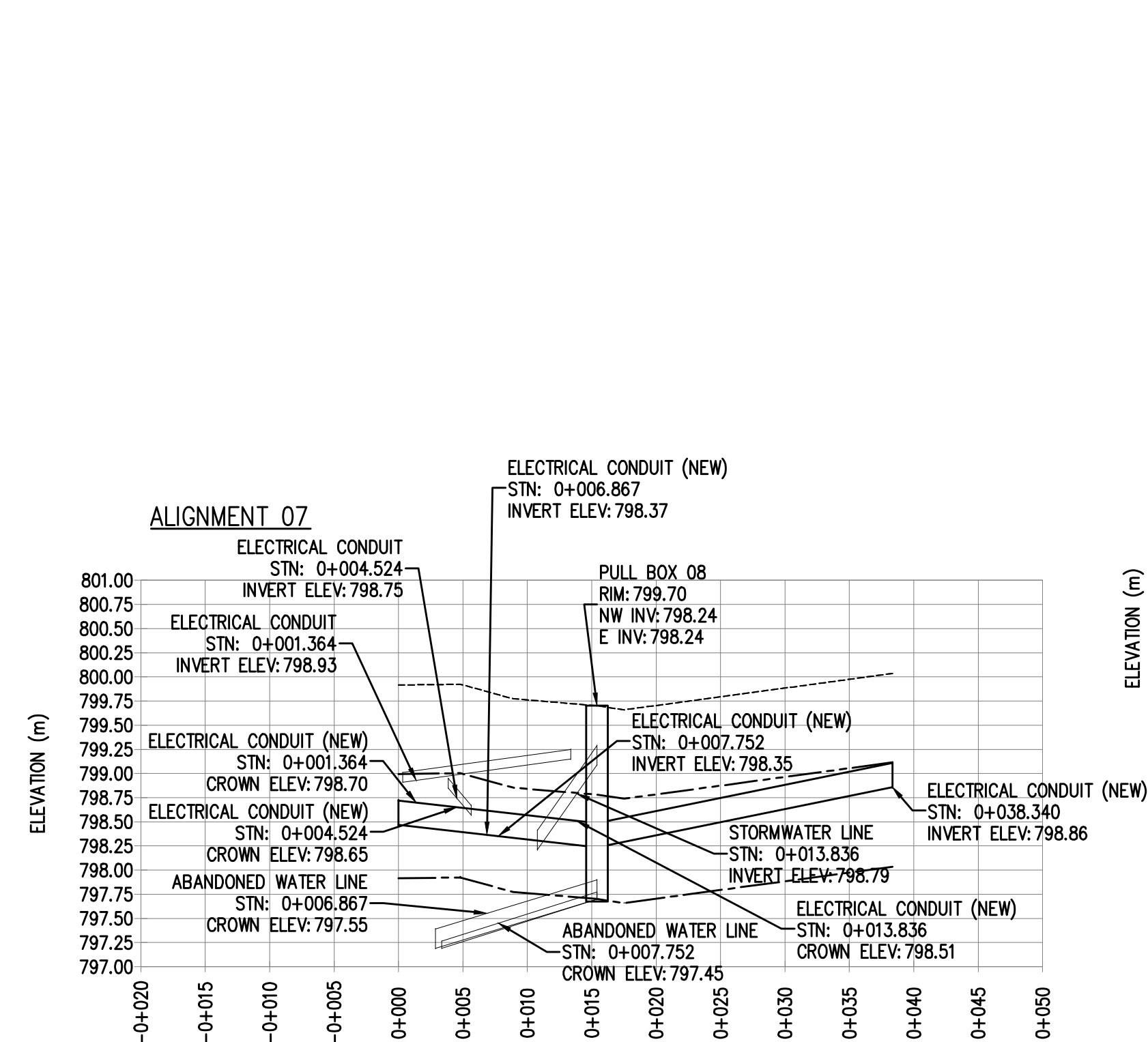
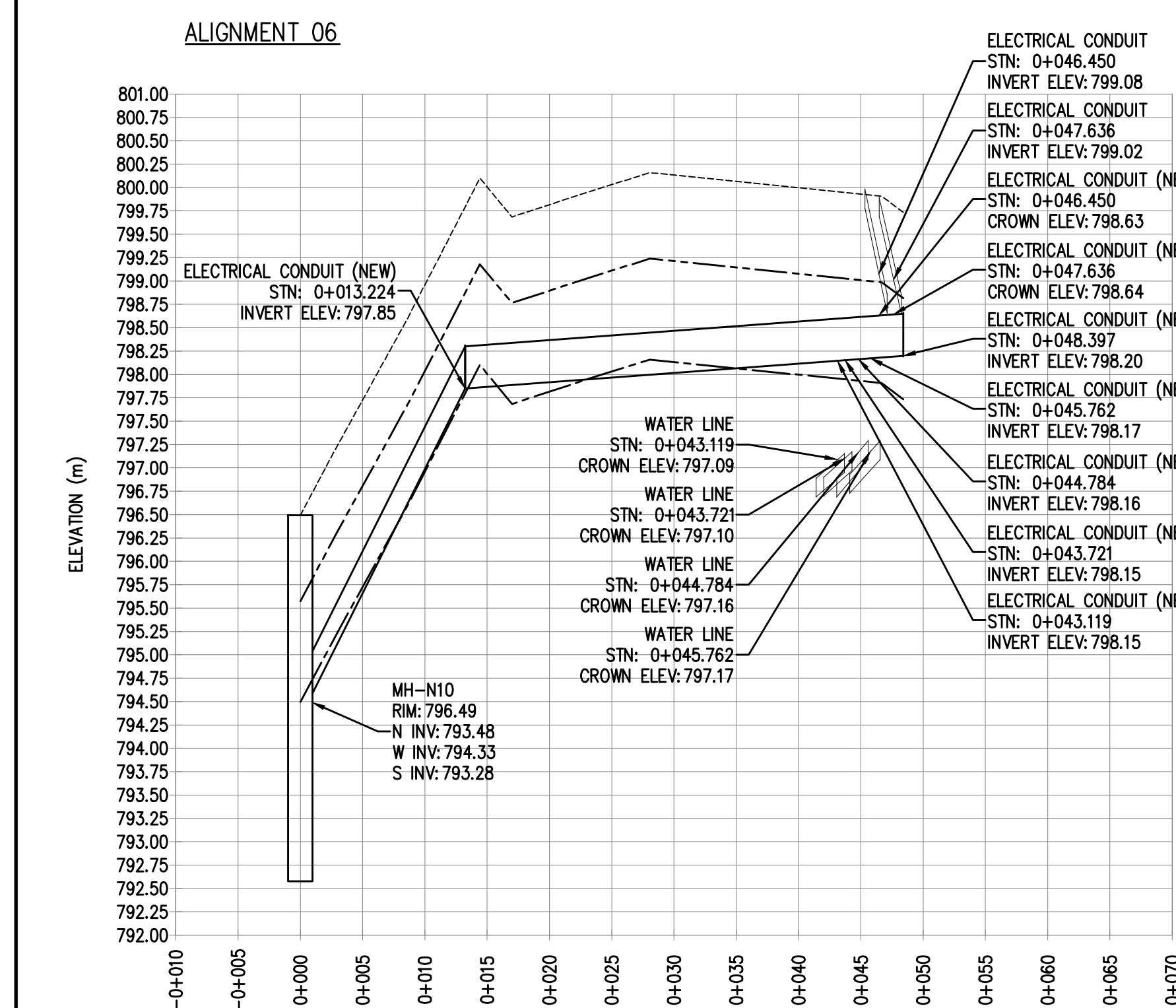
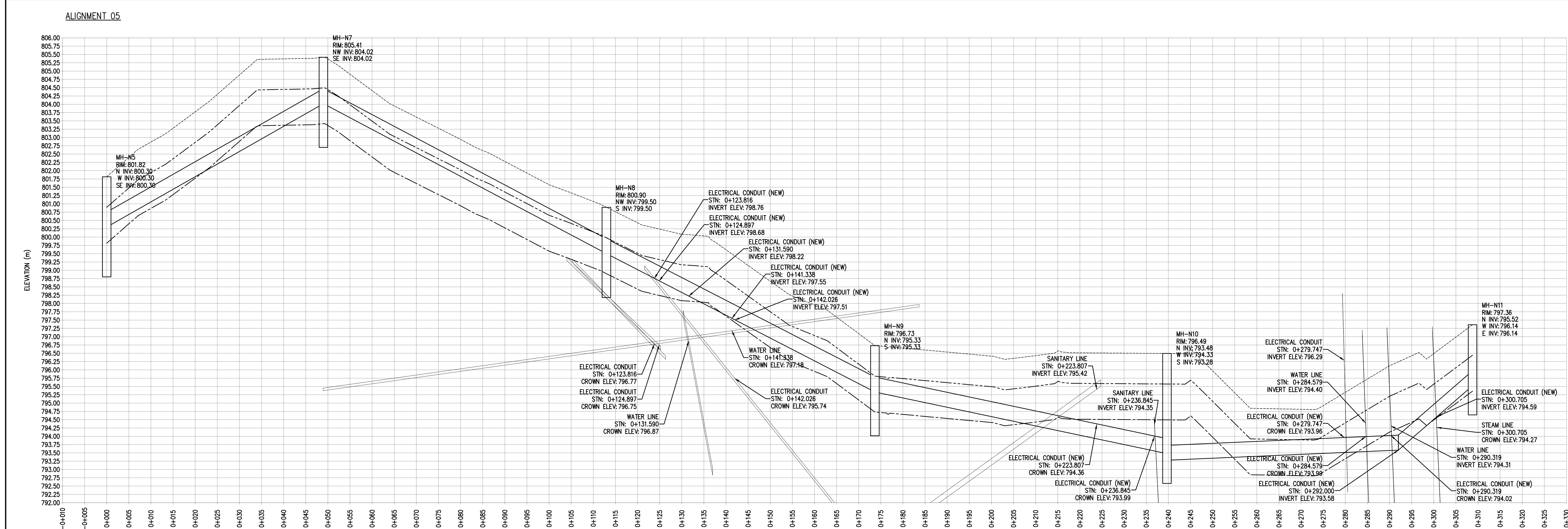
CSC DRUMHELLER INSTITUTION

**DRUMHELLER CONDUIT
REPLACEMENT/EXPANSION**

Designed by	Conçu par
GN	
Drawn by	Dessiné par
NJM	
Approved by	Approuvé par
CAS	

ALIGNMENT PROFILES

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
R.078549.001	E206	0



LEGEND		
ITEM	SYMBOL	REMARKS
PROFILE - EXISTING GRADE	---	
PROFILE - 0.92m OFFSET FROM EXISTING GRADE	---	
PROFILE - 2.00m OFFSET FROM EXISTING GRADE	---	
GENERAL NOTES:		
1. ALL EXISTING SANITARY LINES ASSUMED 2.5m GROUND COVER AND MINIMUM OF #200mm UNLESS NOTED ON ASBUILT UTILITY SERVICE RECEIVED.		
2. ALL EXISTING STEAM LINES ASSUMED 2.5m GROUND COVER AND MINIMUM OF #200mm UNLESS NOTED ON ASBUILT UTILITY SERVICE RECEIVED.		
3. ALL EXISTING WATER LINES ASSUMED 2.5m GROUND COVER AND MINIMUM OF #200mm UNLESS NOTED ON ASBUILT UTILITY SERVICE RECEIVED.		
4. ALL EXISTING STORMWATER LINES ASSUMED 1.2m GROUND COVER AND MINIMUM OF #200mm UNLESS NOTED ON ASBUILT UTILITY SERVICE RECEIVED.		
5. ALL EXISTING ELECTRICAL CONDUIT ASSUMED 0.9m GROUND COVER AND MINIMUM OF #100mm UNLESS NOTED ON ASBUILT UTILITY SERVICE RECEIVED.		

Public Works and Government Services Canada

Travaux publics et Services gouvernementaux Canada

REAL PROPERTY SERVICES

Western Region

SERVICES IMMOBILIERS

Région de l'ouest

2016-04-18

5	TENDER RESUBMITTAL 2018	2018/02/08
4	TENDER SUBMISSION	2017/11/06
3	100% RESUBMISSION	2017/10/16
2	100% SUBMISSION	2017/08/24
1	99% SUBMISSION	2017/06/26
6	ISSUED FOR TENDER	2018/04/17
Revised	Description	Date

PUBLIC WORKS & GOVERNMENT SERVICES

900 ROYAL BANK BLDG, 335 8TH AVE SW
CALGARY, AB. T2P 1C9

Project: **DRUMHELLER, AB.**

Client: **CSC DRUMHELLER INSTITUTION**

DRUMHELLER CONDUIT REPLACEMENT/EXPANSION

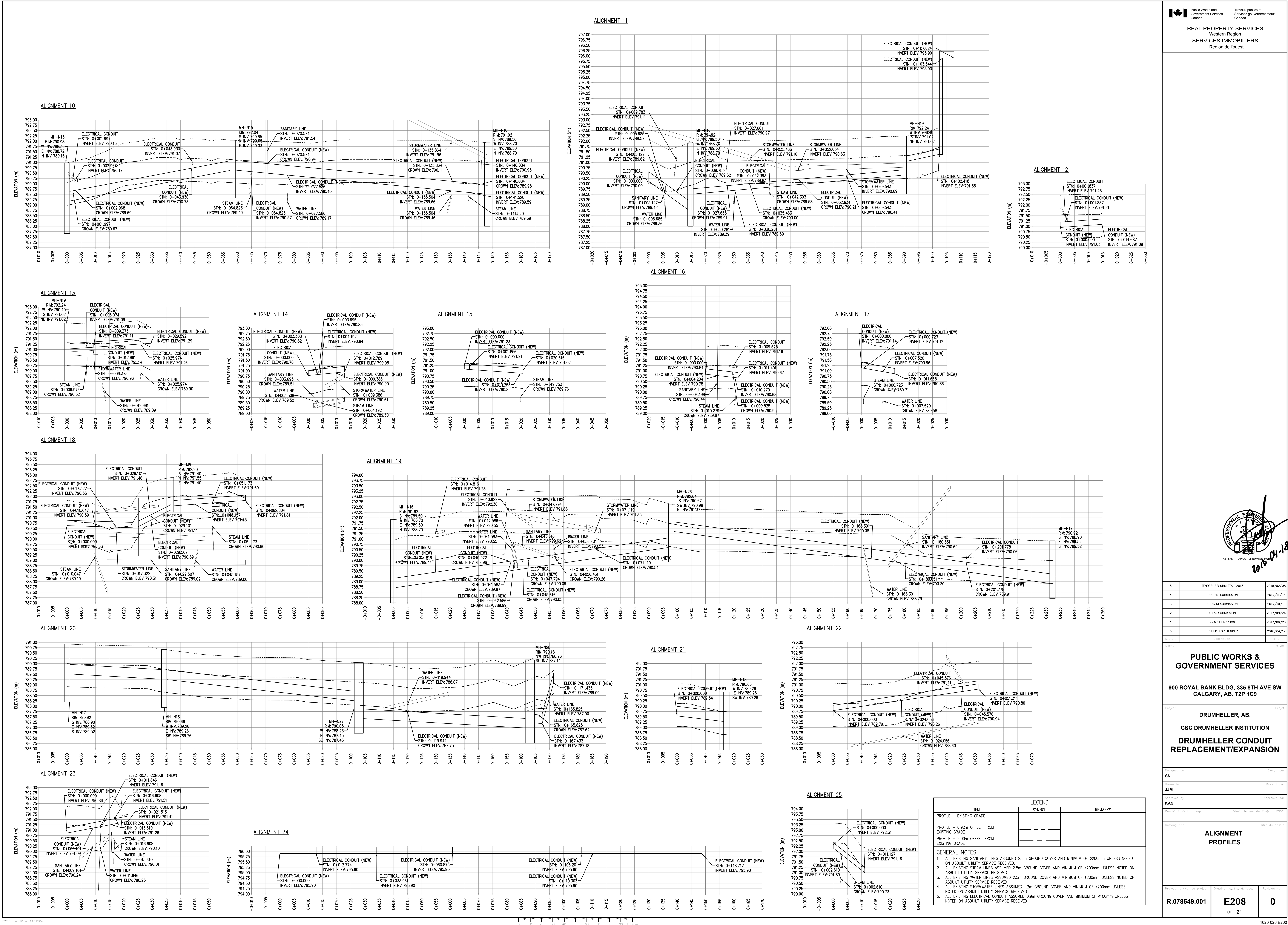
Prepared by: SN	Checked by: JMM	Approved by: KAS
Project Manager	Supervisor	Inspector

Drawing title: **ALIGNMENT PROFILES**

Scale: **R.078549.001**

Sheet: **E207**

Total: **0**





2018-04-18

Revision	Description	Date
0.001	Initial release	11/11/2010

**PUBLIC WORKS &
GOVERNMENT SERVICES**

900 ROYAL BANK BLDG, 335 8TH AVE SW
CALGARY, AB. T2P 1C9

DRUMHELLER, AB.

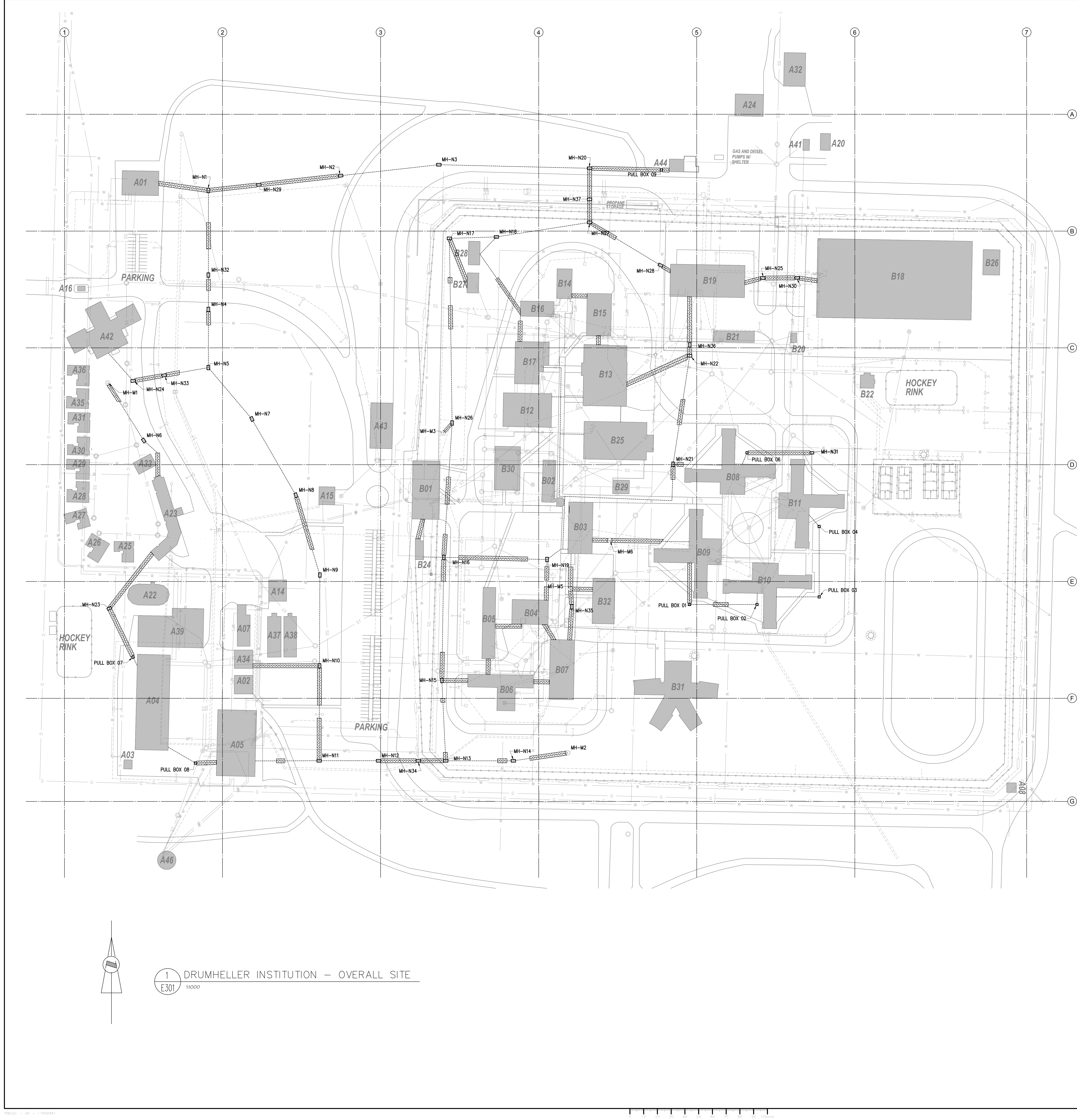
CSC DRUMHELLER INSTITUTION

DRUMHEILER CONDUIT REPLACEMENT/EXPANSION

PWCSC Project Manager	Administrateur de Projets IPSOC
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Drawing title	Titre du dessin
<p align="center">PIPE CROSSING DETAILS</p>	

Project no./No. du projet	Drawing no./No. du dessin	Revision no.
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1 DRUMHELLER INSTITUTION – OVERALL SITE
E301 10000


LEGEND		
ITEM	SYMBOL	REMARKS
EXISTING FENCE		
EXISTING WATER LINE		
EXISTING STEAM LINE		
EXISTING STORMWATER LINE		
EXISTING SANITARY LINE		
EXISTING GAS LINE		
EXISTING ELECTRICAL CONDUIT		
NEW ELECTRICAL CONDUIT		
NEW MANHOLE OR PULLBOX		REFER TO STRUCTURE TABLE ON SHEET E201 FOR STRUCTURE INFORMATION
EXISTING CATCH BASIN OR PIT		
EXISTING MANHOLE		
EXISTING LIGHT STANDARD		
EXISTING LAMP STANDARD		
BREEZE-WAY – HATCH		CONC. FLOOR FOR VERT. PENETRATIONS. HORIZ. RUNS ARE EXPOSED ABOVE GRADE
AREA OF HYDROVAC REQUIRED – HATCH		
GENERAL NOTES:		
1. THIS SHEET IDENTIFIES LOCATIONS WHERE HYDROVAC EXCAVATION IS REQUIRED WITH CERTAINTY. ALL OTHER LOCATIONS FOR DUCTBANK INSTALLATIONS REQUIRE THE CONTRACTOR TO CARRY OUT THE LOCATION AND VERIFICATION OF UNDERGROUND SERVICES PRIOR TO COMMENCING THE WORK AND DETERMINE WHERE OPEN CUT TRENCHING MAY PROCEED AND WHERE HYDROVAC EXCAVATION IS REQUIRED.		



Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada

REAL PROPERTY SERVICES
Western Region
SERVICES IMMOBILIERS
Région de l'ouest



2018-04-18

5	TENDER RESUBMITTAL 2018	2018/02/08
4	TENDER SUBMISSION	2017/11/06
3	100% RESUBMISSION	2017/10/16
2	100% SUBMISSION	2017/08/24
1	99% SUBMISSION	2017/06/26
6	ISSUED FOR TENDER	2018/04/17

Project	Drumheller, AB.	Project
Client	CSC DRUMHELLER INSTITUTION	Client
Project Manager	DRUMHELLER CONDUIT REPLACEMENT/EXPANSION	Project Manager
Author	KAS	Author
Checker	JJM	Checker
Approver	KAS	Approver
Project Manager	Project Manager	Project Manager
Project Title	OVERALL SITE	Project Title
Project Title	POWER & COMMUNICATION SYSTEM MANHOLES & CONDUITS ROUTING HYDROVAC	Project Title
Project No./Rev. No.	R.078549.001	Project No./Rev. No.
Drawing No./Rev. No.	E301	Drawing No./Rev. No.
Revision No.	0	Revision No.

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