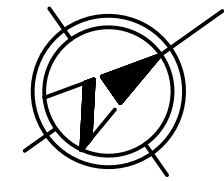
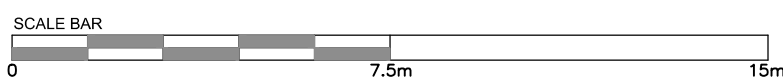




SITE PLAN
SCALE: 1:150

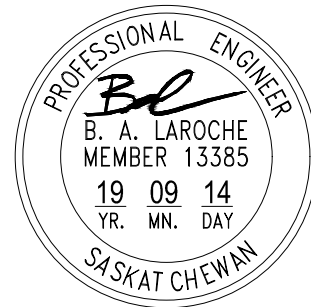


SEPW Architecture Inc.
109-3725 Pelly Street, Regina, SK S4S 0W8 ph: (306) 569-2255
102-3718 Kiewit Place, Saskatoon, SK S7P 1A6 ph: (306) 852-6457
website: www.sepw.ca

CATTERALL & WRIGHT
CONSULTING ENGINEERS
1221 - 8th Street East
SASKATOON SK S7H 0S5
Tel: (306) 343-7280, Fax: (306) 956-3199



Association of Professional Engineers & Geoscientists
of Saskatchewan
CERTIFICATE OF AUTHORIZATION
CATTERALL & WRIGHT
Number C848
Permission to Consult held by:
Discipline Sk. Reg. No. Signature
CIVIL 13385



DO NOT SCALE DRAWINGS

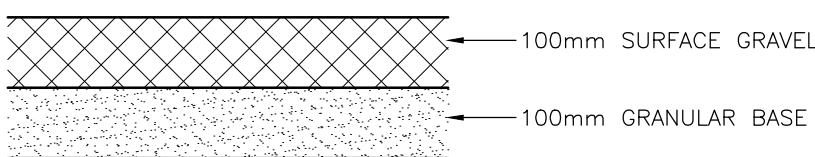
0	ISSUED FOR TENDER	18/09/14

Revision/Revision	Description/Description	Date/Date
Client/client		

NOTES:
ENSURE FLOOR OF HOUSING UNIT IS MINIMUM
4" ABOVE PERIMETER GRADE

LEGEND:

- XXX.XX TOP OF DRIVEWAY ELEVATION
- XXX.XX DESIGN ELEVATION
- PG PERIMETER GRADE ELEVATION
- XXX.XX EXIST. GROUND ELEVATION
- XXX.XX EXIST. GROUND ELEVATION
- XXX.XX DESIGN ELEVATION
- X.XX% DRAINAGE DIRECTION & GRADE
- LIGHT STANDARD
- EXIST. POWER POLE
- 100.00 EXIST. MAJOR CONTOUR
- 99.75 EXIST. MINOR CONTOUR
- RIDGELINE
- FENCE
- DRAINAGE SWALE
- OH EXIST. OVERHEAD POWER LINE
- US EXIST. UNDERGROUND POWER
- EXIST. BUILDING
- NEW BUILDING
- EXIST. GRAVEL AREA
- NEW GRAVEL AREA
- CONCRETE AREA



GRAVEL STRUCTURE DETAIL
SCALE: NTS

Project title/Titre du projet

**NEW EMPLOYEE HOUSING AND
NEW GARAGE
BLAKE LAKE AND STONY RAPIDS,
SASKATCHEWAN**

Approved by/Approuvé par
BAL

Designed by/Concept par
BAL

Drawn by/Dessiné par
ERL

Project Manager/Administrateur de Projets

Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'Ingénierie

Client/client

Drawing title/Titre du dessin

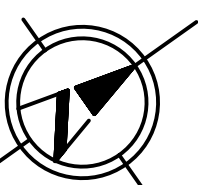
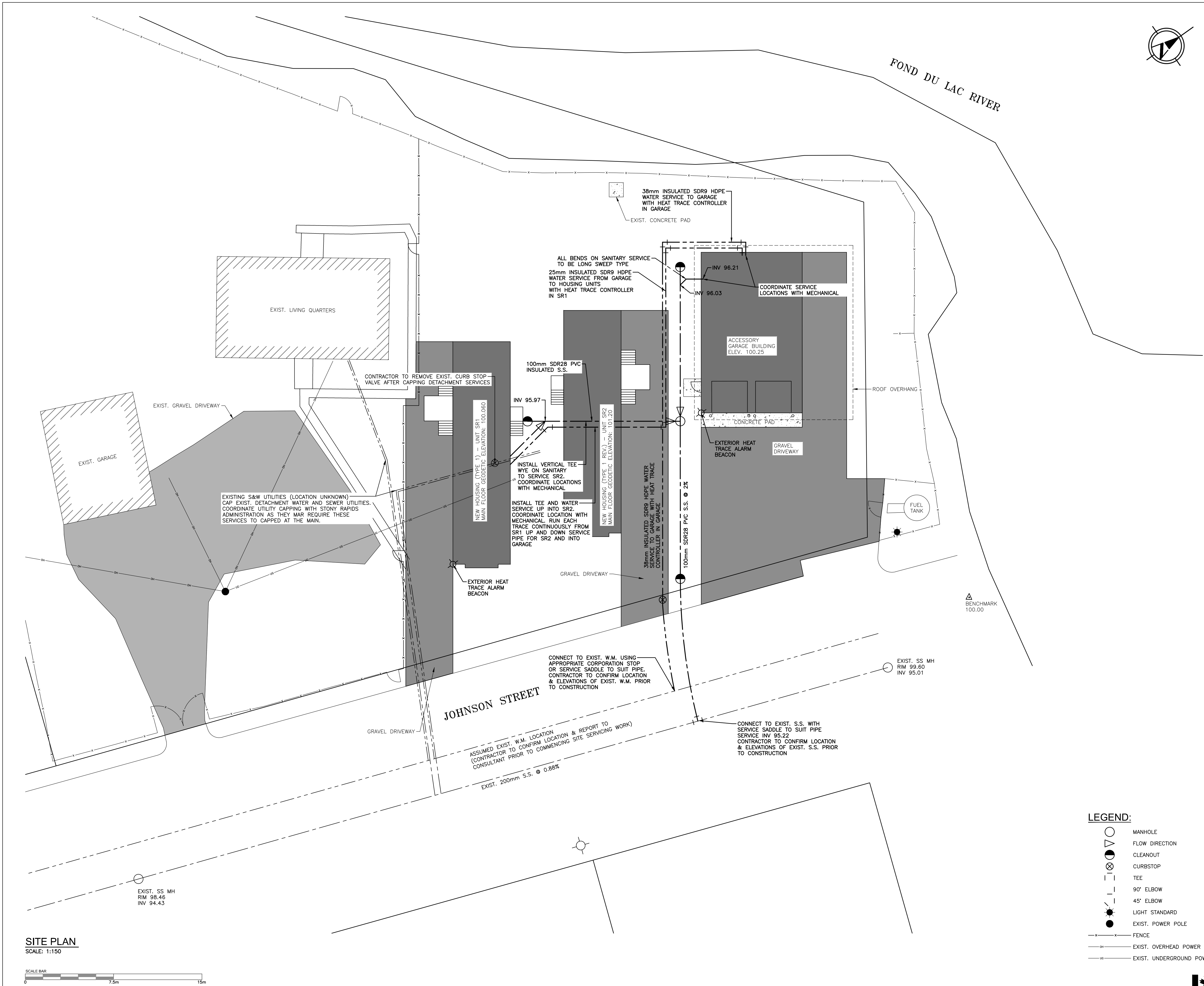
**STONY RAPIDS
SITE GRADING PLAN**

Project No./No. du
projet
S-03-2014A

Sheet/Feuille
C1.0

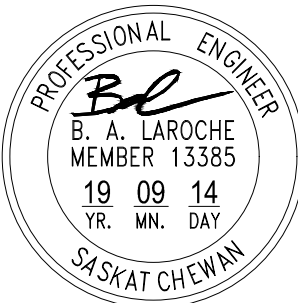
Revision no./
La Révision
no.
0





SEPW Architecture Inc.
109-3725 Pelly Street, Regina, SK S4S 0W8 ph: (306) 569-2255
102-3718 Kiewit Place, Saskatoon, SK S7P 1A6 ph: (306) 652-6457
website: www.sepw.ca

CATTERALL & WRIGHT
CONSULTING ENGINEERS
1221 - 8th Street East
SASKATOON SK S7H 0S5
Tel: (306) 343-7280, Fax: (306) 956-3199



DO NOT SCALE DRAWINGS

0	ISSUED FOR TENDER	18/09/14

Revision/Revision	Description/Description	Date/Date

Project title/Titre du projet

**NEW EMPLOYEE HOUSING AND
NEW GARAGE
BLAKE LAKE AND STONY RAPIDS,
SASKATCHEWAN**

Approved by/Approuvé par
BAL

Designed by/Concept par
BAL

Drawn by/Dessiné par
ERL

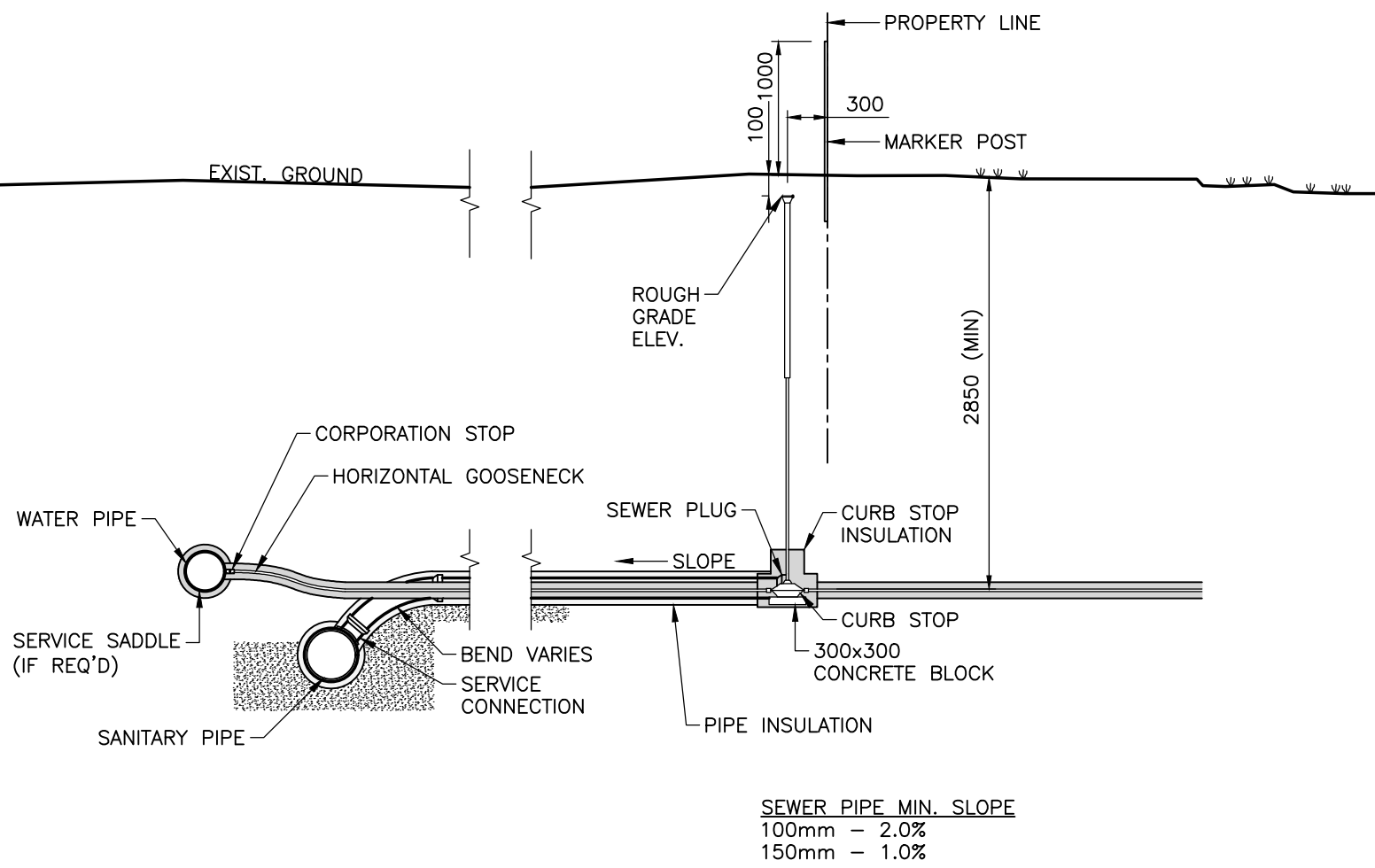
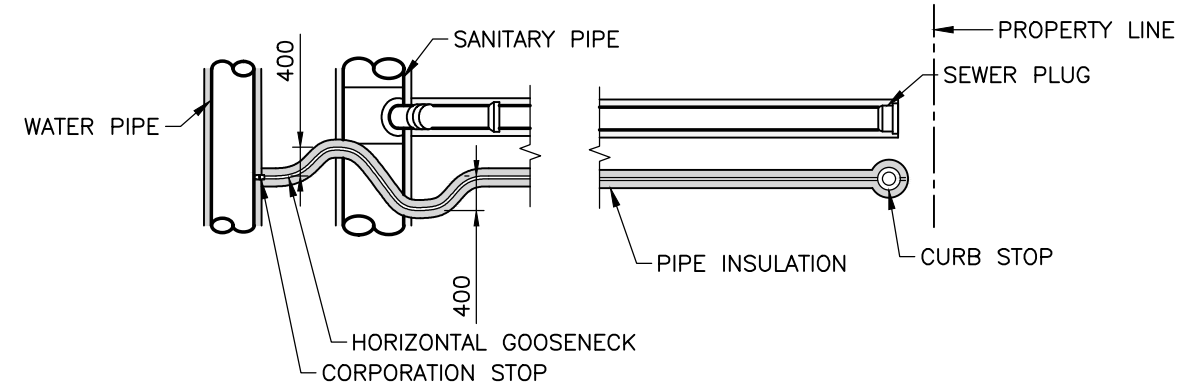
Project Manager/Administrateur de Projets

Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'Ingénierie

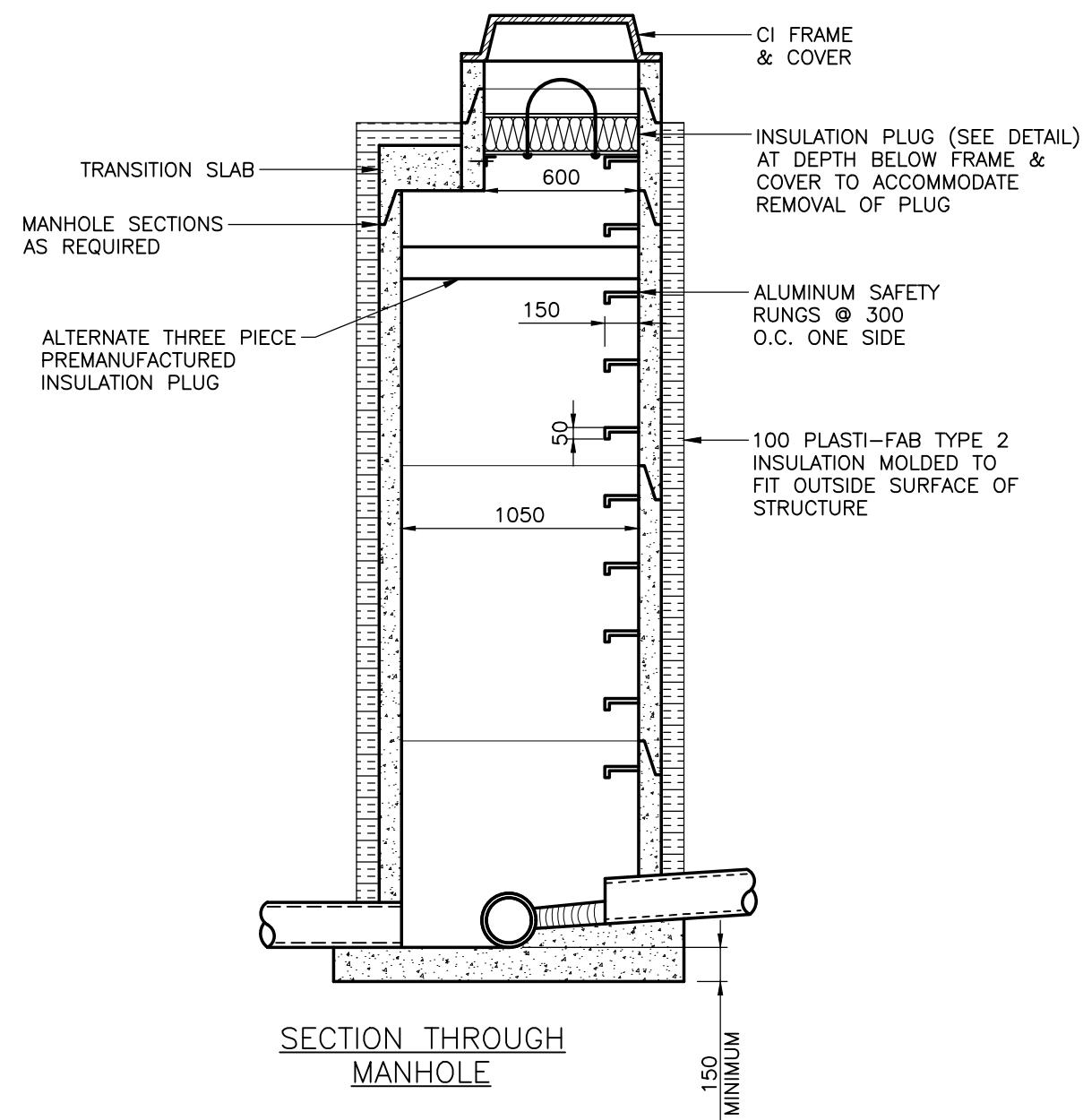
Client/client

Drawing title/Titre du dessin
**STONY RAPIDS
SITE SERVICING PLAN**

Project No./No. du projet S-03-2014A	Sheet/Fauille C2.0	Revision no./La Révision no. 0
--	------------------------------	--

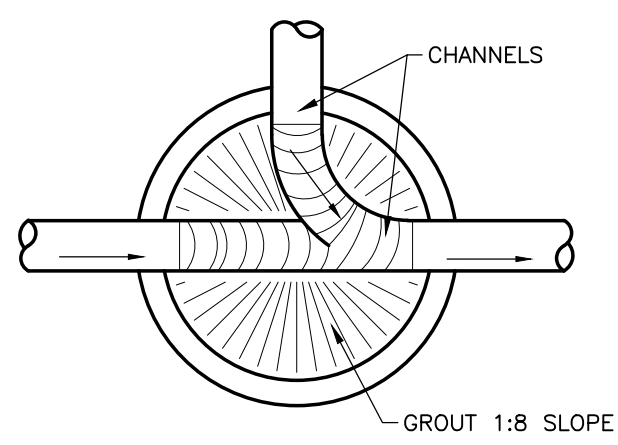
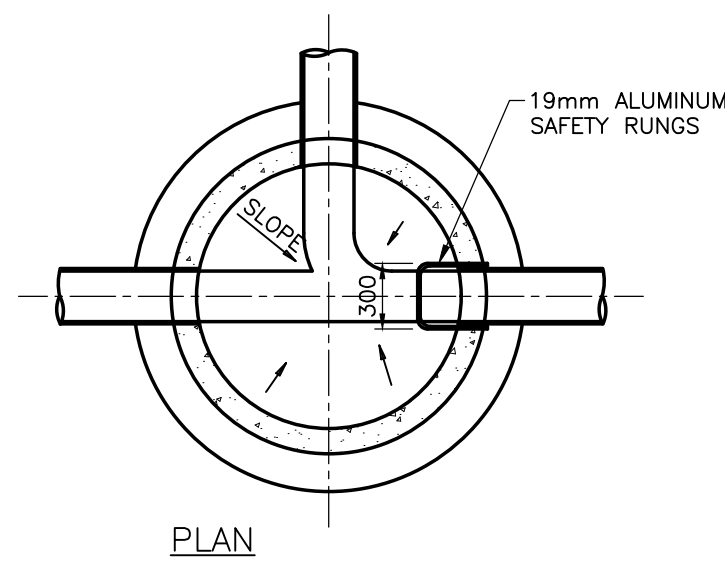


SERVICE CONNECTION DETAIL
SCALE: NTS

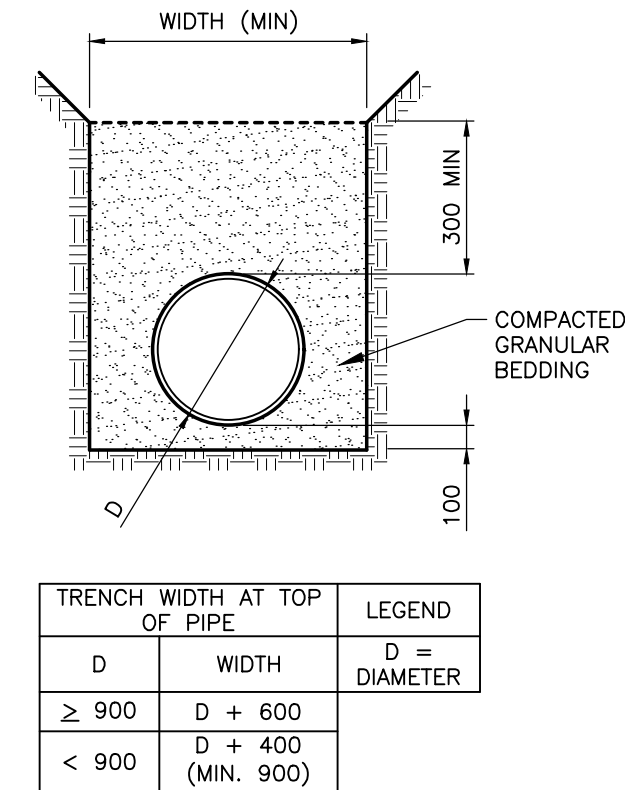


- NOTES**
- EXTERNAL DROP STRUCTURE REQUIRED WHEN INVERT OF INLET PIPE IS 750mm OR MORE ABOVE INVERT OF OUTLET PIPE.
 - ALL CAST IN PLACE CONCRETE TO BE 20MPa CSA TYPE 50.
 - SAFETY PLATFORMS REQUIRED FOR MANHOLES WITH DEPTHS GREATER THEN 6.0 METERS & ARRANGE IN SUCH A MANNER SO THAT NO VERTICAL FALL DISTANCE EXCEEDS 5.0 METERS OR IS LESS THEN 2.4 METERS.
 - MANHOLE RUNGS SHALL BE ORIENTED TO PROVIDE A CLEAR LANDING AT BASE.
 - GROUT FLOW CHANNELS IN MANHOLE BASE AT LEAST 1/2 OF THE DIAMETER OF THE PIPE. SLOPE M.H. FLOOR TOWARDS FLOW CHANNELS.

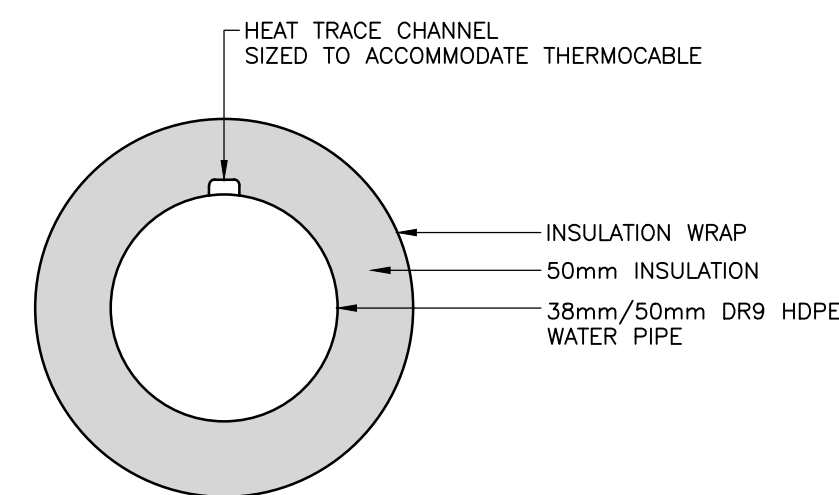
INSULATED MANHOLE DETAIL
SCALE: NTS



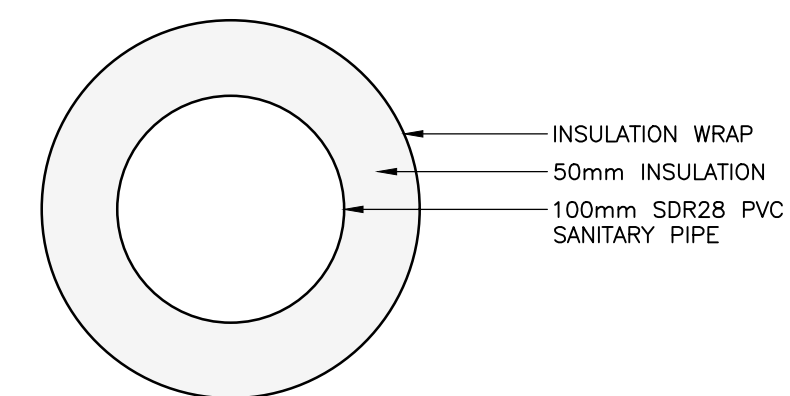
GROUTING DETAIL



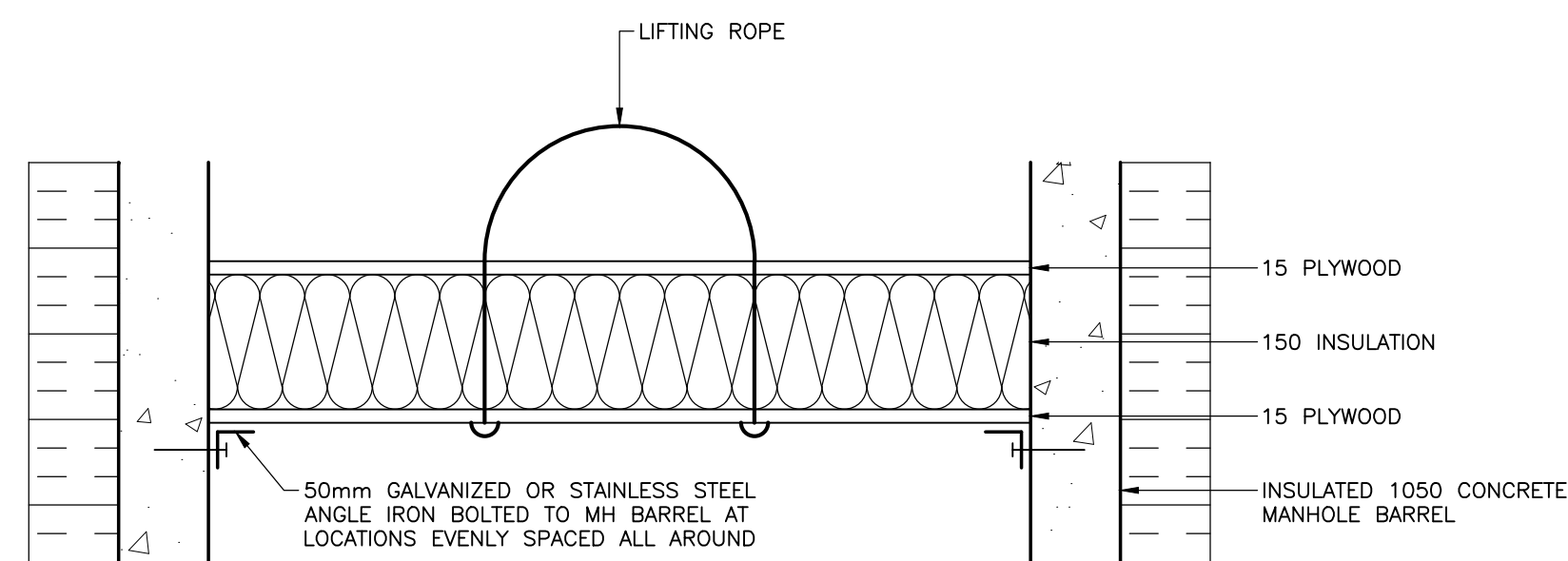
PIPE BEDDING DETAIL
SCALE: NTS



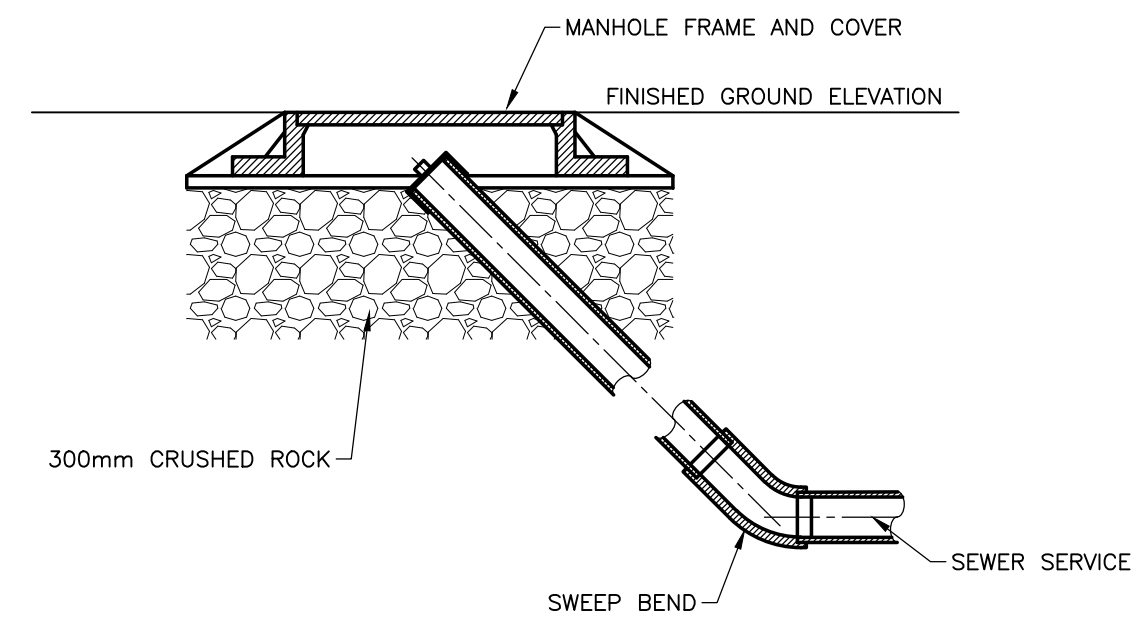
WATER PIPE URECON PIPE INSULATION DETAIL
SCALE: NTS



SANITARY PIPE URECON PIPE INSULATION DETAIL
SCALE: NTS



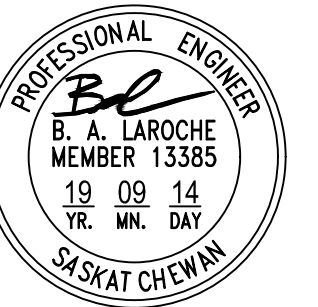
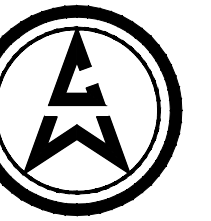
INSULATION PLUG DETAIL
SCALE: NTS



SEWER MAIN CLEANOUT DETAIL
SCALE: NTS



CATTERALL & WRIGHT
CONSULTING ENGINEERS
1221 - 8th Street East
SASKATOON SK S7H 0S5
Tel: (306) 343-7280, Fax: (306) 956-3199



DO NOT SCALE DRAWINGS

0	ISSUED FOR TENDER	18/09/14
Revision/Revision	Description/Description	Date/Date
Client/client		

Project title/Titre du projet

**NEW EMPLOYEE HOUSING AND
NEW GARAGE
BLAKE LAKE AND STONY RAPIDS,
SASKATCHEWAN**

Approved by/Approuve par
BAL

Designed by/Concept par
BAL

Drawn by/Dessine par
ERL

Project Manager/Administrateur de Projets

Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'ingénierie

Client/client

Drawing title/Titre du dessin

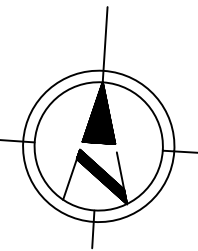
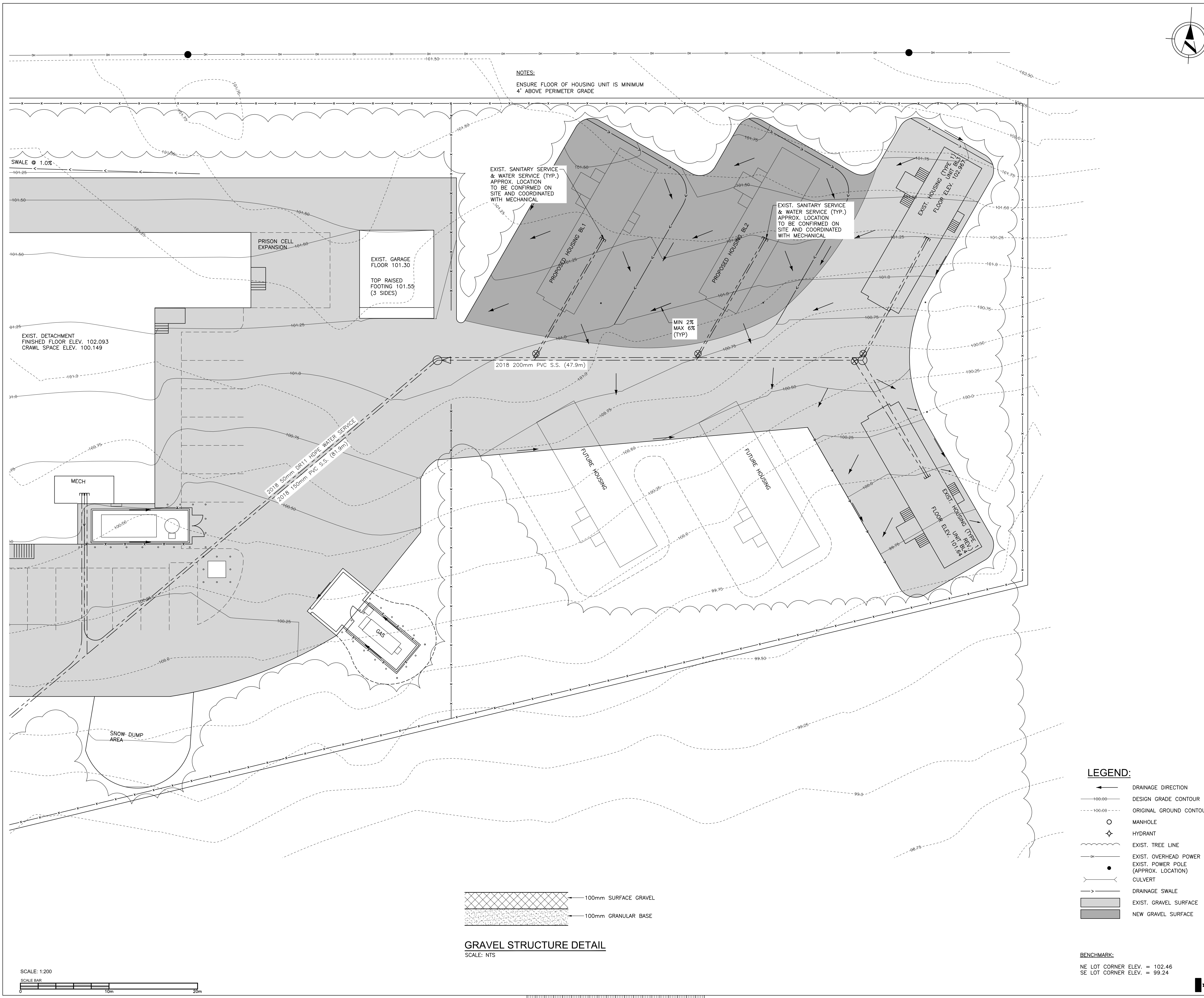
**STONY RAPIDS
DETAILS**

Project No./No. du
projet
S-03-2014A

Sheet/Feuille
C3.0

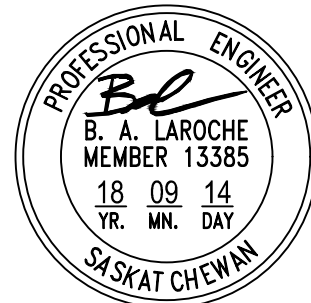
Revision no./
La Révision
no.
0





CATTERALL & WRIGHT
CONSULTING ENGINEERS

1221-8th Street East
SASKATOON SK S7H 0S5
Tel: (306) 343-7280, Fax: (306) 956-3199



DO NOT SCALE DRAWINGS

Revision/Revision	Description/Description	Date/Date
0	ISSUED FOR TENDER	18/09/14

Client/client

Project title/Titre du projet

**NEW EMPLOYEE HOUSING AND
NEW GARAGE
BLACK LAKE AND STONY RAPIDS,
SASKATCHEWAN**

Approved by/Approuve par

Designed by/Concept par

Drawn by/Dessine par

Project Manager/Administrateur de Projets

Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'Ingénierie

Client/client

Drawing title/Titre du dessin

**BLACK LAKE
SITE GRADING PLAN**

Project No./No. du projet	Sheet/Feuille	Revision no./La Révision no.
S-03-2014A	C4.0	0

