

All work as per Ontario Building Code and manufacturer specifications- subject to field inspections

Permit No.: T-2024-11

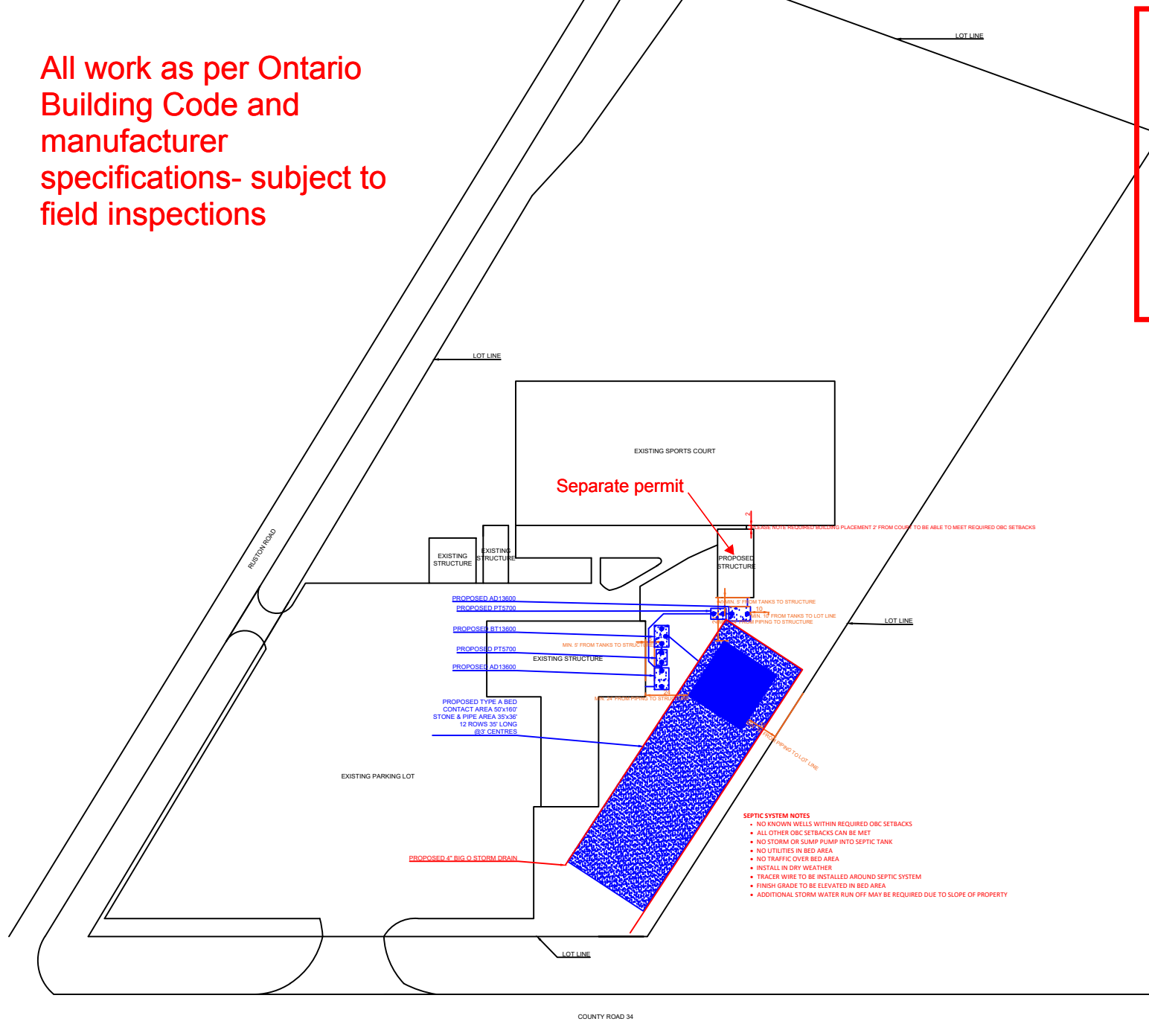
Date: Feb 5, 2024

Reviewed by: D. Garneau

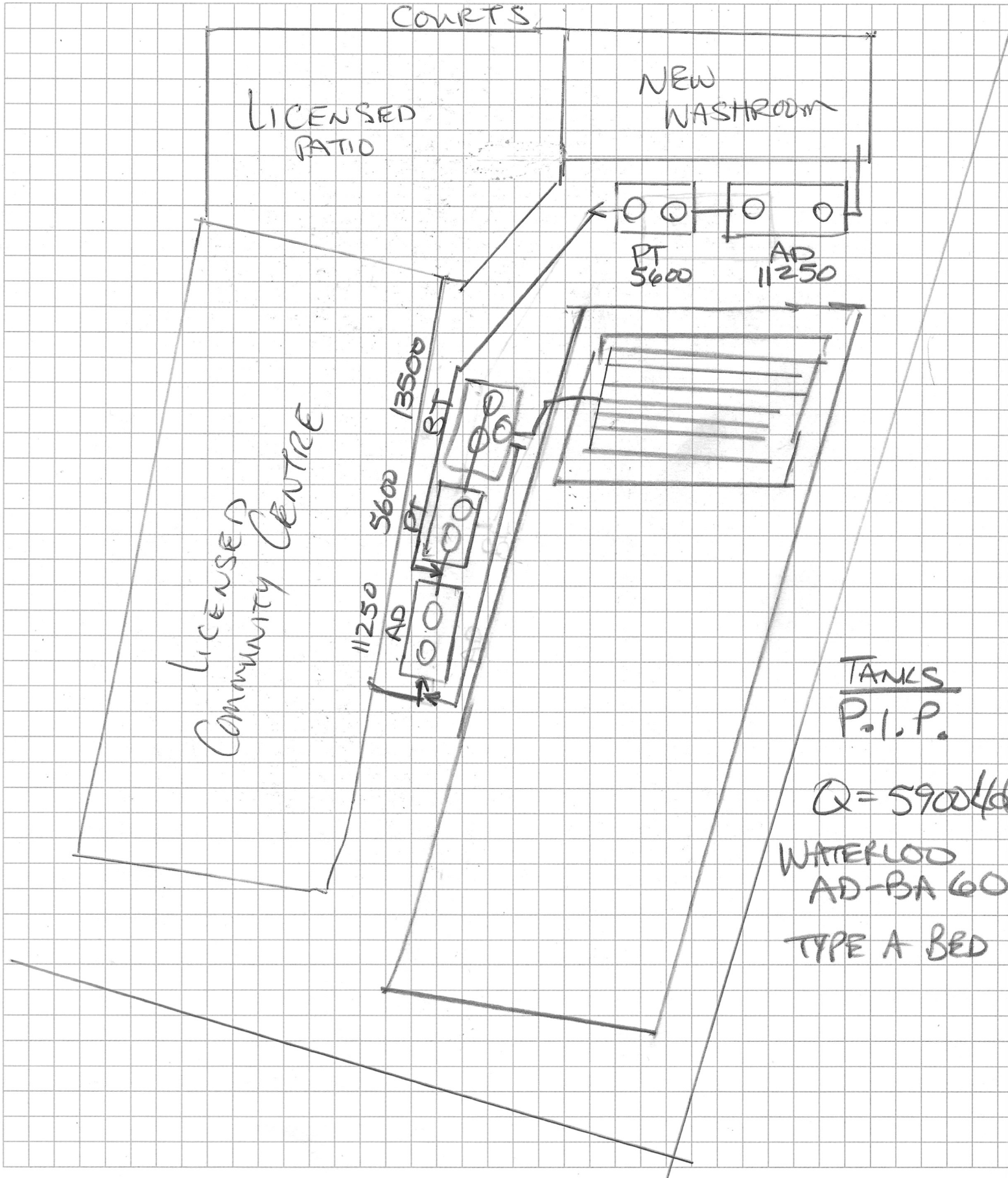


Provide reviewed permit drawings on site for all inspections.

Pump chambers shall have audible & visual alarm- to be tested/verified on site



Provide maintenance agreement to AHJ prior to occupancy



TANKS
P.I.P.

$Q = 5900 \text{ l/d}$
WATERLOO
AD-BA 60
TYPE A BED

Site Address: 10720 COUNTY ROAD 20

Roll No: _____ Date: 01/19/2024

Owner: TOWN OF TECUMSEH Telephone: _____

1. Sewage Flow (L/day)

a) Number of bedrooms: _____ = _____ Litres/ day (1)

Residential Occupancy	Value (L/day)
1 Bedroom Dwelling	750
2 Bedroom Dwelling	1100
3 Bedroom Dwelling	1600
4 Bedroom Dwelling	2000
5 Bedroom Dwelling	2500
Each Bedroom Over 5	500

b) Living Space: _____ m²

Each 10 m² over 200 m² up to 400 m²: _____ x 100 = _____ L/day

Each 10 m² over 400 m² up to 600 m²: _____ x 75 = _____ L/day

Total = _____ L/day (2)

c)

Fixture	Column 1 Fixture Units Per Item	Column 2 How Many?	Column 3 Total Fixture Units
Bathroom Group	6		
Powder Rm (toilet, sink)	5 ½		
ADDITIONAL BATHROOM FIXTURES – NOT COUNTED ABOVE			
Whirlpool Bathtub	2		
Flush Toilet	4		
Shower Head	1 ½		
Bathtub	1 ½		
Sink	1 ½		
Bidet	1		
Dishwasher	1 (0 if connected to sink)		
Kitchen Sink (single or double bowl)	1 ½		
Laundry Tub	1 ½		
Washing Machine	1 ½		

Total Fixture Units (Add up Column 3) = _____

Fixture Units over 20 _____ x 50 = _____ L/day (3)

$Q = \text{L/day (1)} + \text{L/day (2)} = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

$Q = \text{L/day (1)} + \text{L/day (3)} = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

The greater of the two values is the Total Daily Design Sewage Flow: $Q = \underline{\hspace{2cm}}$ L/day

2. Septic Tank Size

Size = Sewage Flow (Q) x 2 = 5900 x 2 = _____ Litres (Minimum 3600 Litres)

3. Percolation rate from Test Hole Soil Conditions

T Time = >50 min/cm

4. Leaching Bed Size

Length of Pipe = $\frac{Q \times T}{200} = \underline{\hspace{2cm}}$ m = _____ ft

or

Length of Pipe = $\frac{Q \times T}{300} = \underline{\hspace{2cm}}$ m = _____ ft

or other BMEC approved design

WATERLOO TYPE A BED. SAND AREA
 $QT/400 = 5900 * 50 / 400 = 737.5M$ SQ=7938FT
SQ (50'x160') STONE & PIPE AREA
 $Q/50 = 5900/50 = 118M$ SQ=1270FT SQ
(35'x36') 12 ROWS 35' LONG @3' CENTRES

5. 15 metre Constructed Mantle is Required: Yes No (Circle)

6. A Maintenance Agreement is Required: Yes No (Circle)