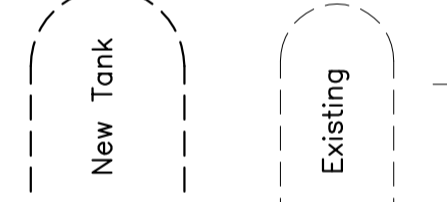


Link / Balance pipe between tanks to be a minimum of 150mm \varnothing uPVC with a rodding point at ground level to allow for clearing of any blockages



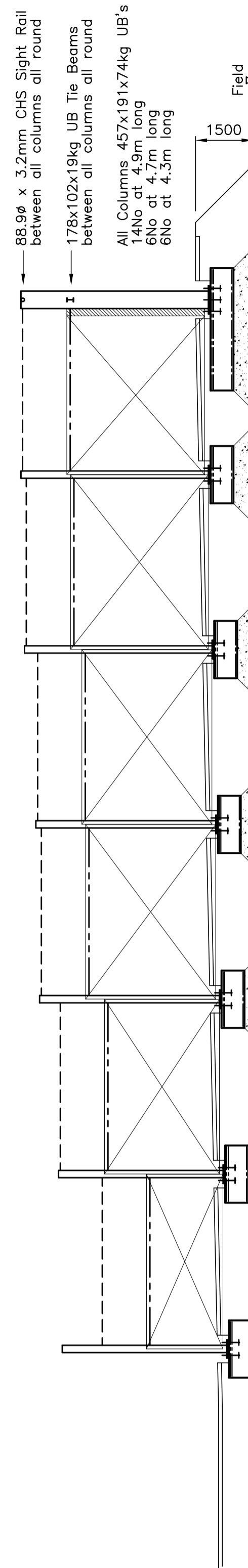
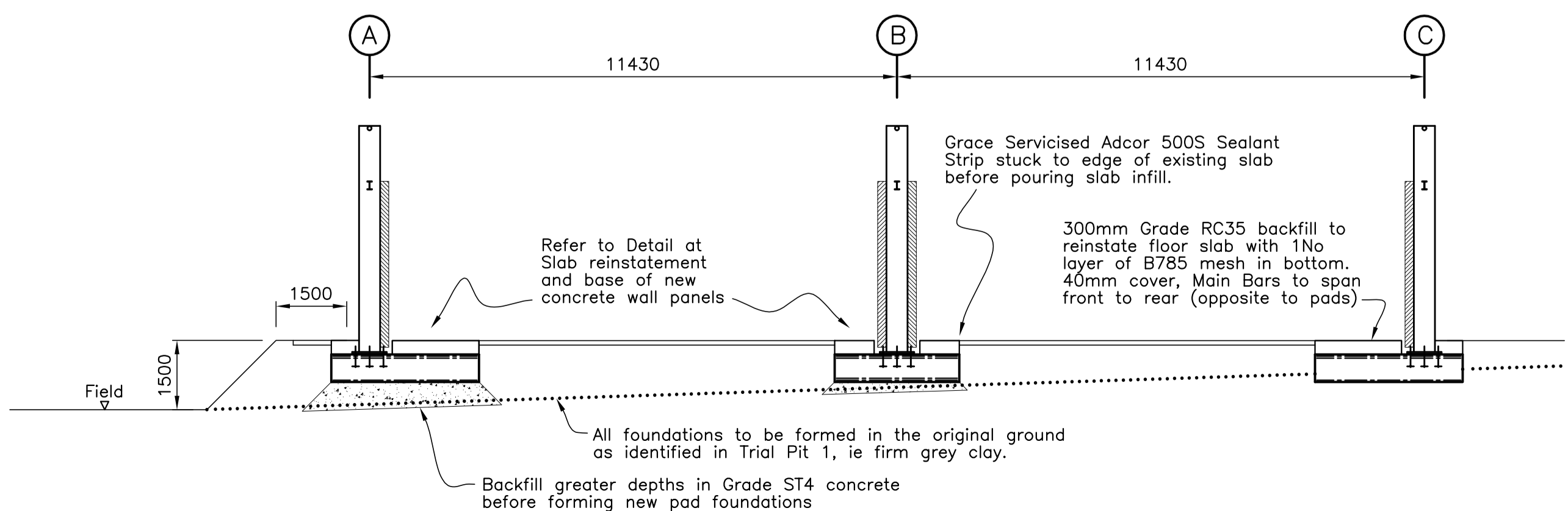
Refer to Notes 3, 4, 6, & 14
Location of new tank to be to clients preference to suit their working conditions

Existing Tank - 5000 gallons
22730 litres
New Tank - 7500 gallons
34095 litres

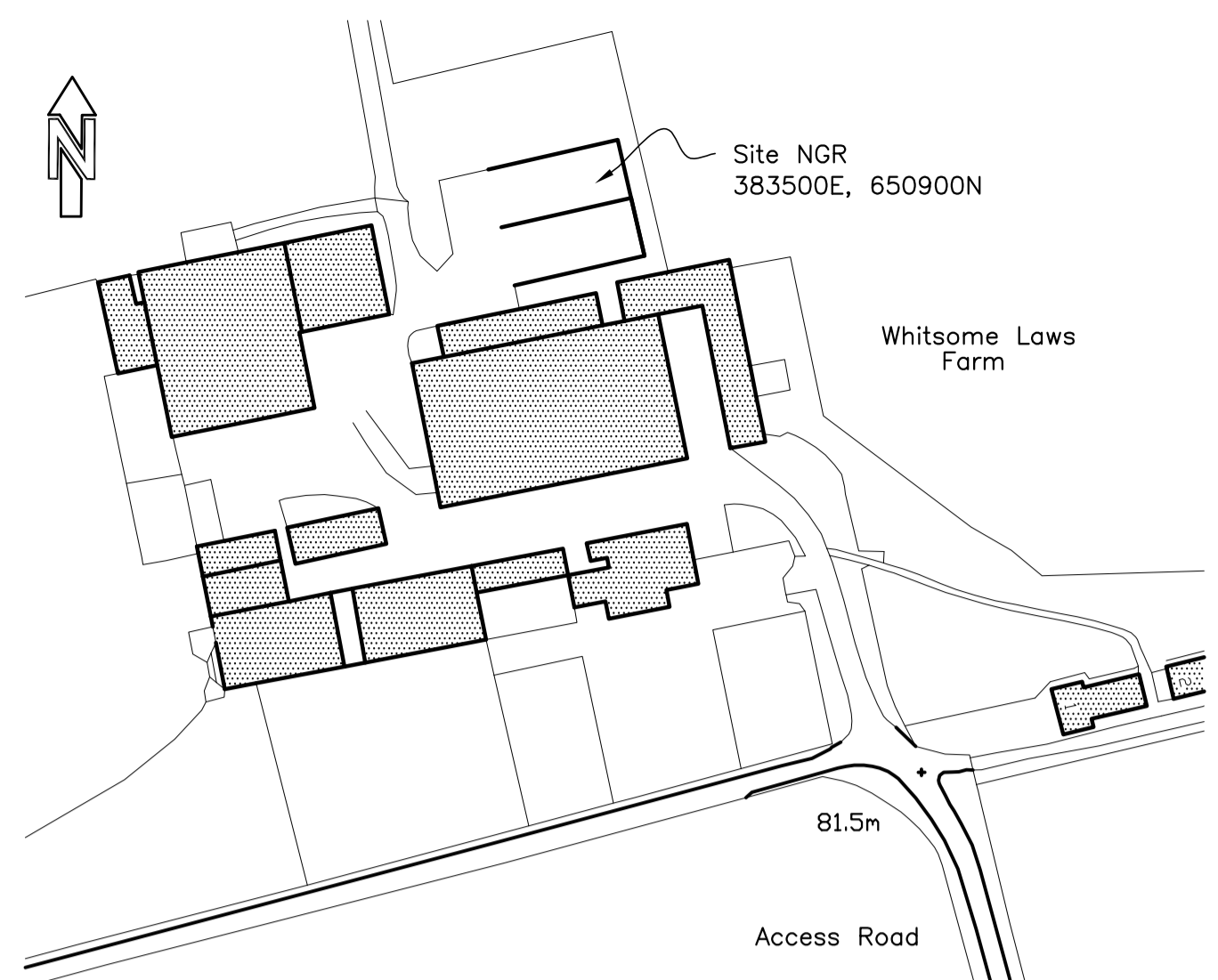
Existing Tank to be cleaned out and inspected for corrosion with any defects repaired and the inner face re-sealed / coated if required to ensure a further 20 year lifespan with continued maintenance

New tank to be installed as per suppliers details and instructions and be provided with a certificate stating that the tank will have a 20 year maintained lifespan.

B785 Mesh can be made on site by lying loose rebar as follows:
Main Long Bars - H10 @ 100 Crs
Cross Bars - H8 @ 200 Crs

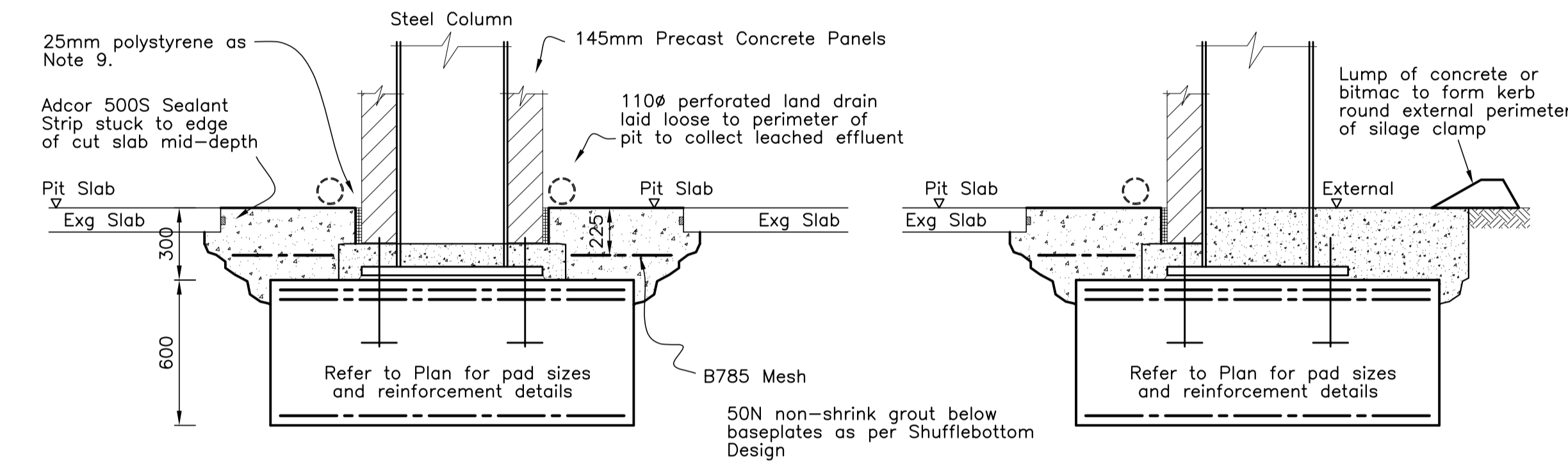


- Pit Design to comply with BS 5502 Part 50 : 1993, Paragraph 5 for Design Characteristic Loads and Paragraph 7.2 with regards to corrosion resistance.
- Design and Detailing to be in accordance with the following : -
 - SEPA's current guidelines
 - "The Control of Pollution (Silage, Slurry, and Agricultural Fuel Oil)(Scotland) Regulations 2003"
 - "Code of Good Practice for the Prevention of Environmental Pollution from Agricultural Activity."
- Effluent Storage Tanks to be sized as follows :-
3m³ of effluent storage per 150m³ of silage up to 1500m³ of silage, then
1m³ of effluent storage for every 150m³ over the basic 1500m³ above.
- Tanks can be in either GRP or Steel and certified to have a maintained life span of 20 years minimum.
Tanks to be installed in strict accordance with manufacturers details.
Tanks to be vented.
Tanks to have a lockable cover to allow for cleaning access in accordance with Building Standard Regulations.
- No part of the silage store, tanks or pipes to be within 10m of a water course.
- Effluent levels in the tanks should be regularly monitored, especially after heavy rainfall.
Tanks should not be allowed to fill over the 750mm freeboard level.
- The base of the pit, drain channels, gullies, drain pipes, and effluent tanks must be impermeable and resistant to silage effluent attack.
Apply a rubber bitumen based / hot asphalt compound to existing pit slab and areas of new slab, including the pit walls, applied and maintained in strict accordance with the manufacturers instructions.



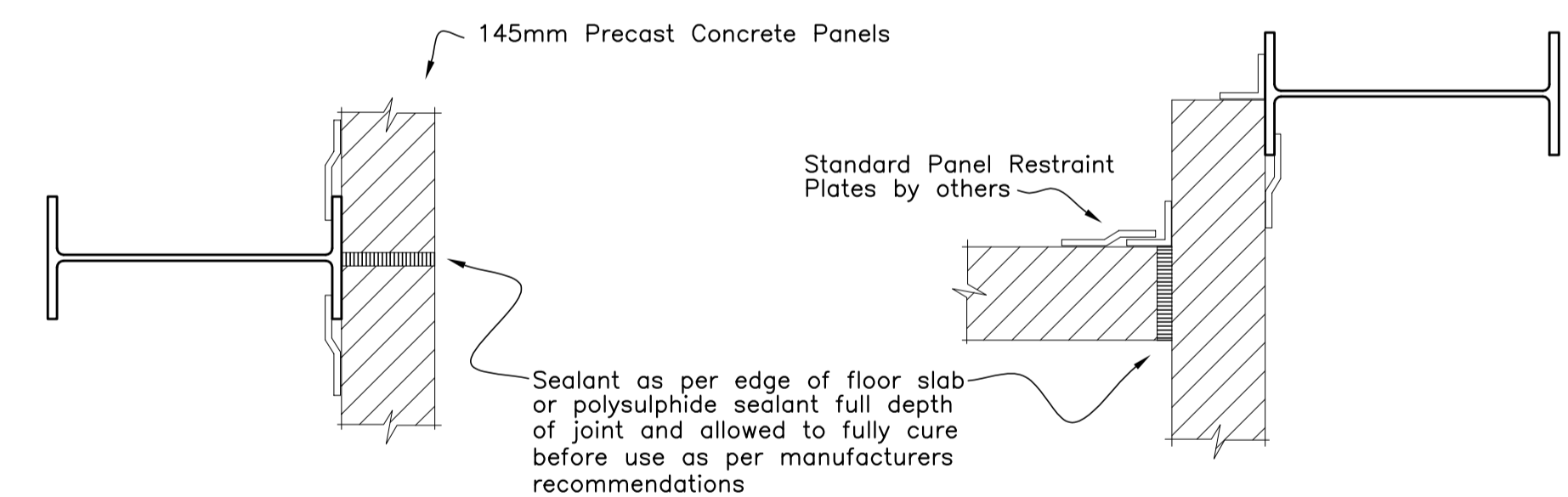
Site Location Plan. (1:1250)

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Typical Details of Foundations and Slab Reinstatement.

(Construct in accordance with Note 9)



Wall Panel Seals.

(Outer Perimeter Panels Only)

9. SLAB REINSTATEMENT.

- Place B785 reinforcement mesh on steel or plastic supports as required. Cover to be 40mm, laps to be 450mm.
- Pour and vibrate 100-150mm thickness of Grade RC35 concrete and level to support precast wall panels horizontally.
- Fix panels as details, then install 25mm polystyrene edge strip to base of wall panel.
- Stick Grace Serviced Adcor 500S sealant strip to edge of existing cut slab in accordance with manufactures details.
- Pour and vibrate remaining Grade RC35 concrete slab to BS. 5328, with the finished surface being steel floated.
- After 7 days, remove or burn out polystyrene strip and fill void with hot tar or rubberised bitumen. Refer to Note 7.
- Concrete to have a minimum cement content of 330kg/m³, and a maximum free water/cement ratio of 0.5. Maximum Aggregate Size of 20mm. Minimum Crushing Strength at 28 days will not be less than 35N/mm²
- 2No concrete cube samples will be taken from every second batch (ie every 12m³) and test results at 14 and 28 days provided to the engineer.
- Slab use must not commence until a minimum of 28 days have passed since the last pour.
- All slab joints to be inspected annually and repaired / replaced as required.

- Effluent to be collected in existing channel into a new dish gully pan formed to the end of the channel if existing is defective.
Gully to have a 150mm \varnothing outlet connected to new below ground storage tank using flexible couplers each end.
Drainage tracks to be backfilled with 100mm pea gravel surround to pipes.
Drainage to be in accordance with Building Standards Part M and pass local authority drain pressure test.

FOR CONSTRUCTION		
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DRAWN	CHECKED	APPROVED
DATE	DATE	DATE
SCALE		
DRAWING NUMBER		REVISION