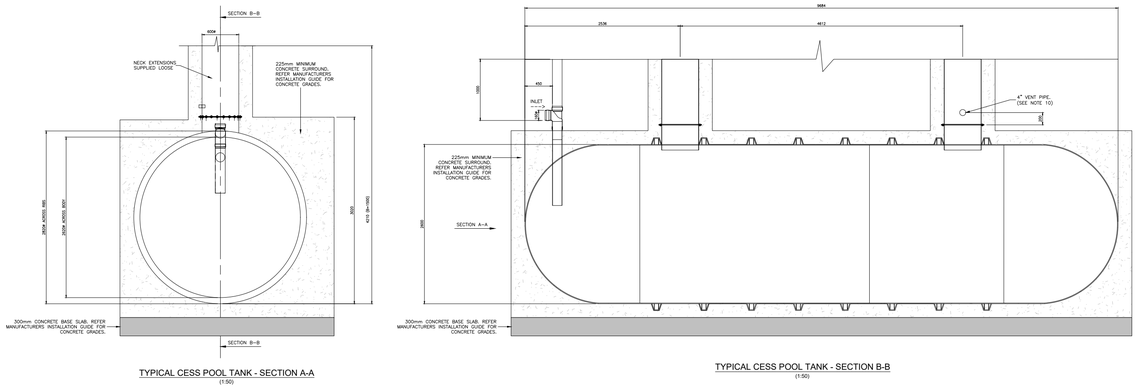
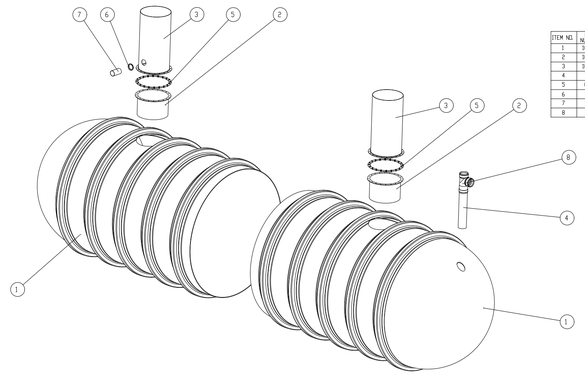



TYPICAL CESS POOL TANK - SECTION A-A
(1:50)




TYPICAL CESS POOL TANK - SECTION B-B
(1:50)

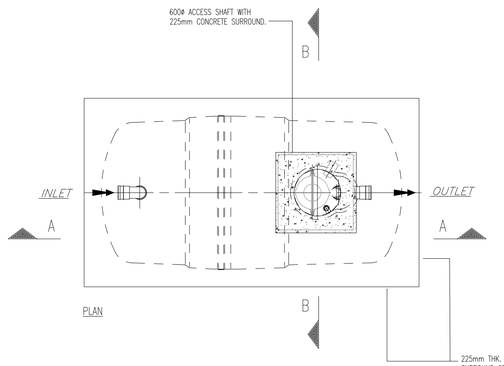



| ITEM NO. | PART NUMBER | DESCRIPTION | QTY xx = 15 | QTY xx = 10 |
|---|---|---|---|---|
| 1 | 101427 | Ø26in S Rib Casing | 2 | 2 |
| 2 | 101326 | 600 Diameter Flanged Neck 500 mm Long | 2 | 4 |
| 3 | 101327 | 600mm x 10in Flanged Turret | 2 | 0 |
| 4 | V462 | 6" PVC-U Class C Pipe - 800m | 1 | 1 |
| 5 | G245 | Mastick and Bolt Assy 600 dia shaft | 2 | 2 |
| 6 | V476 | 4 inch Grommet | 1 | 1 |
| 7 | V459 | 4 inch PVCu Pipe - 250m | 1 | 1 |
| 8 | V486 | 6 Inch PVC-U Branch Tee | 1 | 1 |

TYPICAL CESSPOOL / HOLDING TANK
NOT TO SCALE

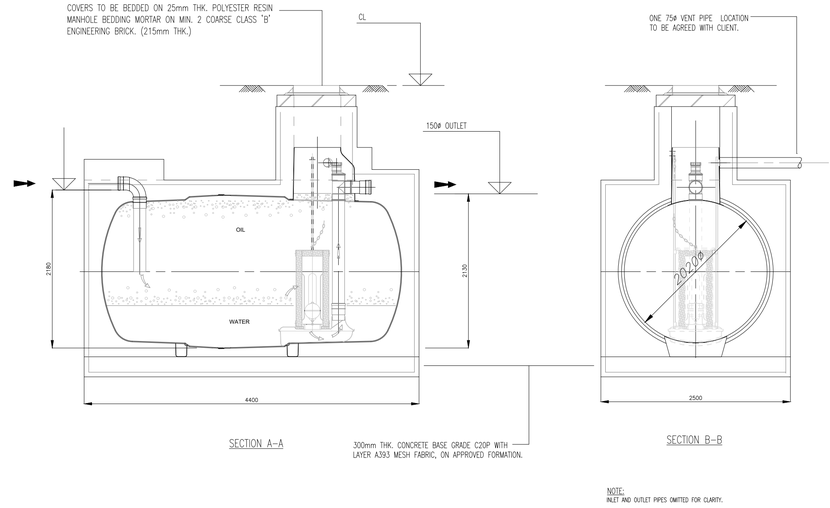
CESS POOL TANK NOTES

1. TANK SHOWN HERE IS KINGSPAN 46,000l TWIN NECK CESSPOOL. SPECIFIC PRODUCT TO BE SELECTED TO SUIT SITE REQUIREMENTS.
2. CESS POOL AND SILAGE TANKS MUST NOT DISCHARGE IN TO THE ENVIRONMENT AND MUST BE EMPTIED WHEN FULL.
3. THE TANK IS FITTED WITH A 160mm INLET SOCKET.
4. DETAILS ARE PROVIDED TO SUPPLY DIMENSIONAL INFORMATION ONLY.
5. THE UNIT MUST BE INSTALLED WITH A CONCRETE SURROUND. REFER MANUFACTURERS DETAILED INSTALLATION PROCEDURE SUPPLIED WITH EACH UNIT.
6. THE UNIT IS SUPPLIED WITH LOOSE, BOLT ON TANK SHAFTS TO SUIT EITHER 1.5 METER INVERT. THEY MUST BE FITTED ON SITE AS PART OF THE INSTALLATION AND CAN BE TRIMMED TO SUIT THE EXACT SIZE OF INVERT.
7. TO AID DE-SLUDGING IT IS RECOMMENDED THAT 2 SHAFTS ARE SELECTED FOR TANKS WITH CAPACITIES OF 34M3 AND ABOVE. ADDITIONAL SHAFTS CAN BE FITTED. UNITS SHOULD NOT BE INSTALLED DEEPER THAN NECESSARY, NOR DEEPER THAN THE INVERT SPECIFIED FOR UNIT SUPPLIED.
8. HEAVY DUTY COVER AND FRAMES SUITABLE FOR VEHICLE LOADING SHOULD BE PROVIDED TO FIT 600mm DIAMETER NECKS.
9. THE WEIGHTS GIVEN ARE FOR HANDLING PURPOSES ONLY AND EXCLUDE BOLT ON SHAFTS.
10. THE INLET PIPE SHOULD BE EXTENDED TO GROUND LEVEL. 450mm DIAMETER ACCESS COVERS ARE AVAILABLE FOR PURCHASE FROM MANUFACTURER TO ALLOW RODDING ACCESS.
11. SINGLE NECK TANK SERVING SINGLE PROPERTIES SHOULD BE VENTED, USING THE SOIL STACK. LARGER TANKS SERVING MULTIPLE PROPERTIES SHOULD HAVE A VENT FITTED TO THE NECK TO ENABLE LOCALISED HIGH LEVEL VENTING.
12. THE PURCHASE AND USE OF A HIGH LEVEL ALARM SHOULD BE MADE WITH THESE TANKS.
13. TANK TO BE PROVIDED BY KINGSPAN 46,000l TWIN NECK CESSPOOL / SILAGE TANK OR EQUAL APPROVED.
14. FOR INSTALLATION DETAILS REFER TO MANUFACTURERS INSTALLATION GUIDE.
15. TANK TO BE FITTED WITH HIGH LEVEL FLOAT ALARM.

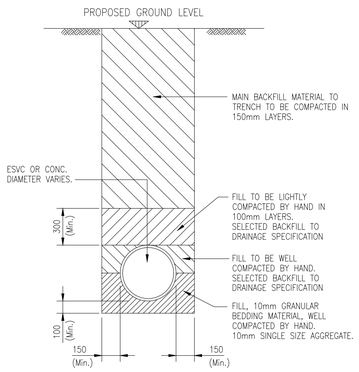



NOTES:

1. Typical fuel interceptor shown. Specific make & model to be confirmed.
2. T12 corner bars (leg length 450mm) to be used at all external corners @ 200 c/c
3. Solid top covers in trafficked areas to be heavy duty class D400 N, ductile iron to BS EN 124, 600 x 600 clear opening, as per Stanton Tri-glide, code BB06 1, kitemarked, or equal approved.
4. Fuel interceptor to be installed in accordance with the Manufacturers Instructions.
5. Rocker pipes to be used at INLET and OUTLET of Seperator.
6. Free standing vent pipework to terminate min. 2.5m above ground lvl. Pipework to be 75mmø. Above ground pipework to be carbon steel, suitably painted & fitted with a non-corrodable cowl. Below ground pipework to have 150mm concrete surround. Anchor blocks to be provided at vent base, 600 x 600 mass concrete, Grade C20.

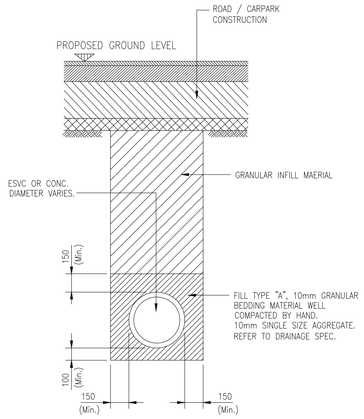



TYPICAL FUEL INTERCEPTOR
NOT TO SCALE



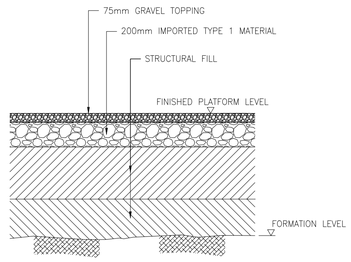

TYPICAL PIPE BEDDING DETAILS
(EXCEPT BELOW ROADS & HARDSTANDING)

NOT TO SCALE

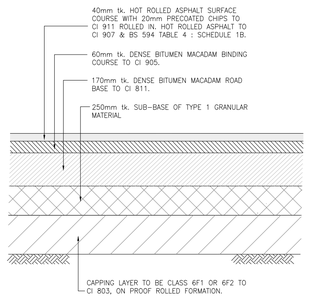



TYPICAL PIPE BEDDING DETAILS
(BELOW ROADS & HARDSTANDING)

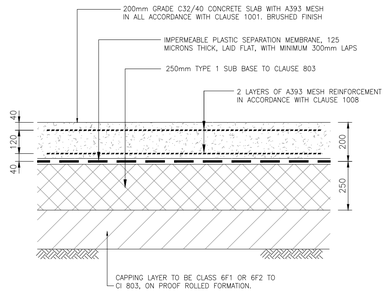
NOT TO SCALE




TYPICAL SUBSTATION PLATFORM CONSTRUCTION
NOT TO SCALE




TYPICAL ASPHALT ROAD CONSTRUCTION
NOT TO SCALE




TYPICAL CONCRETE ROAD CONSTRUCTION DETAIL
SCALE 1:20

CONCRETE SLAB NOTES

1. CONCRETE TO BE C32/40 IN ACCORDANCE WITH CLAUSE 1001
2. MESH REINFORCEMENT TO BE TWO LAYERS A393 WITH 40mm ±10mm TOP/BOTTOM COVER
3. FORMATION LEVEL TO BE PROOF ROLLED AND SOFT SPOTS TO BE REMOVED AND INFILLED WITH CAPPING MATERIAL (6F1 or 6F2) OR OTHER MATERIAL AS DIRECTED BY THE ENGINEER.

AECOM

**PROJECT**

CULMULLIN 220kV SUBSTATION

**CLIENT**

ENERGIA SOLAR HOLDINGS LTD.

energia

**CONSULTANT**

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**LEGEND**

**NOTES**

1. TYPICAL DETAILS ARE FOR PLANNING ONLY AND SHOULD NOT BE USED FOR DETAILED DESIGN.

**ISSUE/REVISION**

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| P1 | 20.06.2023 | FOR PLANNING |
| P0 | 27.05.2022 | FIRST ISSUE FOR PLANNING |
| I/R | DATE | DESCRIPTION |

**STATUS**

FOR PLANNING

| PROJECT NUMBER | SCALE |
|---|---|
| 60657534 | AS SHOWN @ A1 |

**SHEET TITLE**

CULMULLIN 220kV SUBSTATION
TYPICAL DRAINAGE DETAILS
SHEET 2 OF 2

| SHEET NUMBER | REV |
|---|---|
| 60657534-ACM-DWG-511 | P1 |





PM Initials : Designer : Checked : Approved :