



# Certificate of Accreditation

## Sewage Management Facility

## Sewage Ejection Pump Station

*This Certificate of Accreditation is issued by the Secretary of the NSW Ministry of Health pursuant to Clause 41(1) of the Local Government (General) Regulation 2021.*

**System:** 650, 1000, 1200, 1450, 1600, 2000, 3000 and  
5000 Litre DrainAce SEPS

**Manufacturer:** Global Pump Group Pty Ltd

**Of:** 12 Selgar Ave, Tonsley, SA, 5042

*The DrainAce series as described in the attached Schedule have been accredited as sewage management facilities for use in single domestic premises in NSW. The pump well is manufactured to the Australian / New Zealand Standard AS/NZS 1546.1:2008 On-site domestic wastewater treatment units - septic tanks.*

*A/Director, Environmental Health  
for Secretary (delegation PH335)*

**Issued:** 3 / April / 2023

**Certificate No:** SEPS015

**Expires:** 31 December 2025



## Accreditation Schedule

*The Certificate of Accreditation applies to the DrainAce sewage ejection pump station in eight (8) models of:*

- *DAP07 (650L) single and dual pump models,*
- *DAP10 (1000L) single and dual pump models,*
- *DAP14 (1450L) single and dual pump models,*
- *DAP11A (1200L) single and dual pump models,*
- *DAP16A (1600L) single and dual pump models,*
- *DAP20A (2000L) single and dual pump models,*
- *DAP30 (3000L) dual pump model, and*
- *DAP50 (5000) dual pump model*

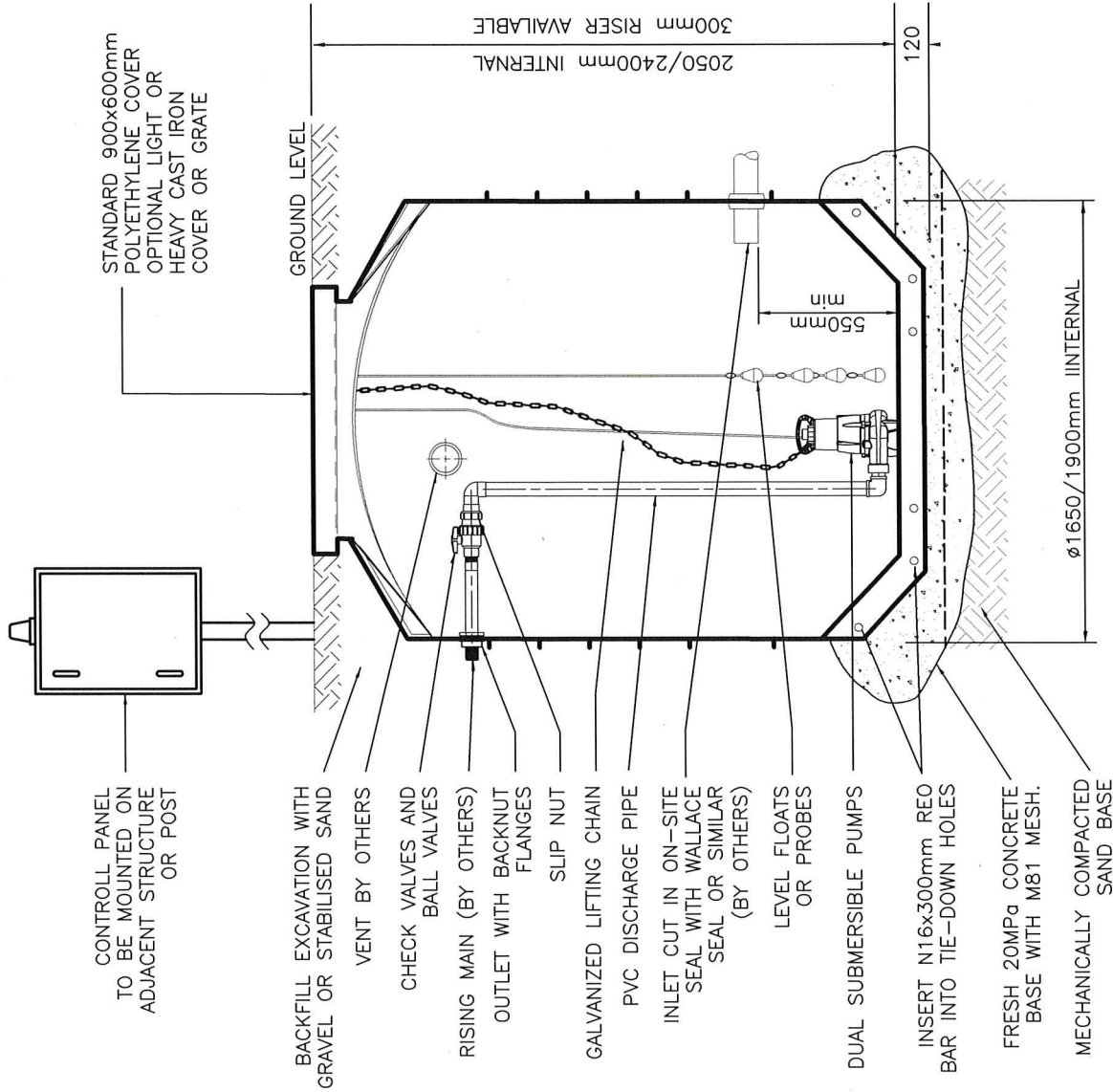
*in accordance with the attached plans.*

*The DrainAce sewage ejection pump station consists of:*

- *A cylindrical roto moulded polyethylene pump well and polyethylene lid, manufactured by StaRplast SRL, Italy or Rotoplas (Aust) Pty Ltd, Unanderera, NSW;*
- *A Global Cutter / Grinder pump in single or dual configurations fitted with start, stop and high level switches;*
- *A flexible PVC discharge hose or polyethylene discharge pipe fitted to a combination anti-syphon/check valve and shut-off valve on the outlet of the pump. The discharge pipe is connected to a 40 mm diameter house pressure main to the sewer through a boundary connection box located just inside the property;*
- *A control panel with an audible and visible alarm.*

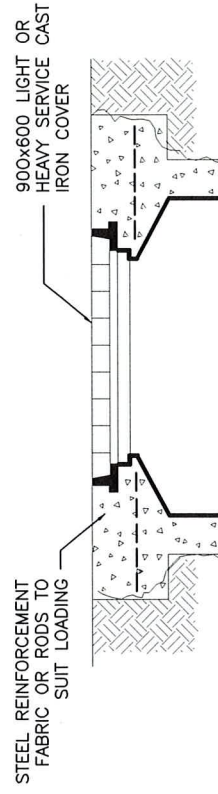
# GLOBAL WATER 'DRAINAGE'™ 3000/5000L POLYETHYLENE PUMP STATION Ø40mm-80mm PIPEWORK WITH DUAL SUBMERSIBLE PUMPS

PIT MODEL NO.	INTERNAL DIA.	NOM DEPTH	CAPACITY	TANK WEIGHT
DAP 30	1650mm	2050mm	3000 Lts	250 kg
DAP 50	1800mm	2400mm	5000 Lts	375 kg



## INSTALLATION NOTES:

- Tank construction is 18mm polyethylene manufactured in accordance with strict quality control procedures. Complies with ASNZ1546.1
- Compact a 100mm bed of sand to a finished depth 100mm deeper than tank depth. Bed tank down in fresh concrete with M81 mesh and pour additional concrete around sides to cover the two reinforcement bars on the sides. In areas of high ground water, contact site engineer to confirm the extent of the ballast required. When using cast iron load-bearing cover, tie cover in with surrounding concrete or support cover by continuing concrete up sides of tank. Note - Set top of tank below ground level to allow for thickness of cast iron cover and frame.
- Vent and inlet penetrations to be made on site by installer and sealed through pit wall using Wallace seal ring or similar. Vent and conduit penetrations to be as close as possible to top of tank. All penetrations to be at right angles to tank wall.
- Electrician to install 3 x 50mm solid conduits and terminate through tank wall using plain to screwed adapters. Note: Use shortest route with minimum bends, and group together below controller location.
- Pump controller to be mounted on a rigid structure with mechanical protection installed over exposed conduits. **IMPORTANT:** Please advise if controller location more than 6m from pit as special pump and float cable lengths will be required.
- Before connecting power supply to control panel check all connections and relays for any loose connections that may have occurred during transport. When commissioning, set overloads to pump nameplate. Record voltage and running current whilst pump in under load. **IMPORTANT:** On three phase units, directional rotation must be physically sight checked by lifting pump
- Adjust start level to give minimum of one start per day under normal operating conditions (sewage/ effluent), with a maximum of 10 starts per hour continuous. Set off float to switch off half way up motor and high-level alarm float 100mm above start switch.
- Tank to be regularly cleaned with hand held hose, and pump and alarm operation checked. In high grease applications, tank should be degreased on a regular basis by waste removal contractor. Pump/s and system operation to be checked by service technicians on approximately a 12 monthly cycle.



## LIGHT / HEAVY SERVICE COVER INSTALLATION DETAIL

Note: Set pit down to allow for cover thickness

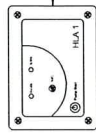


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**3000/5000L POLYETHYLENE PUMP STATION  
DUAL SUBMERSIBLE PUMPS**

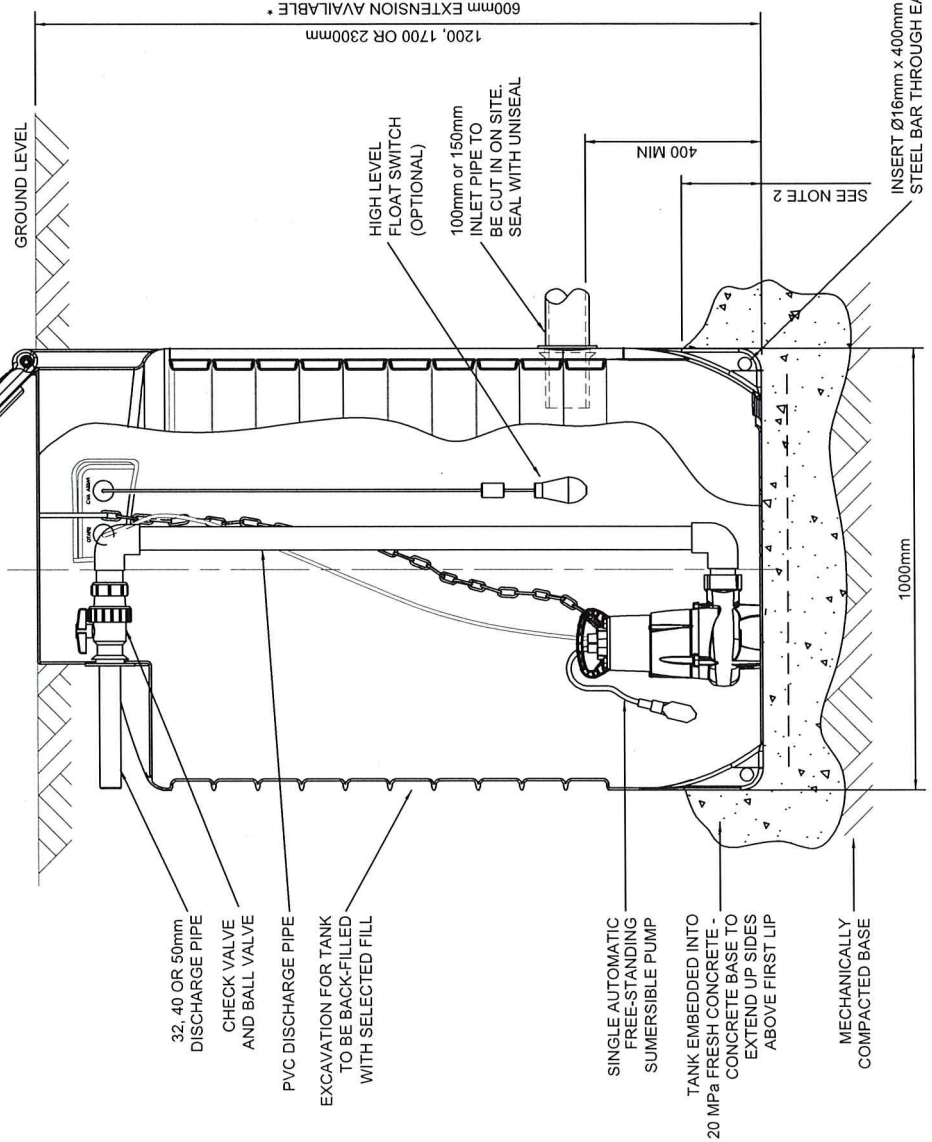
Dim.	E.S.	Scale	Drwg. No.	Rev
Ckd.	D.B.	NTS	PE-04	I
Ref	K.S.			

# GLOBAL WATER 'DRAINACE'<sup>TM</sup> Ø1000mm POLYETHYLENE PUMP STATION Ø32mm, Ø40mm and Ø50mm SINGLE SUBMERSIBLE PUMP



OPTIONAL HIGH LEVEL ALARM  
 PANEL - REMOTE MOUNTED  
 BY OTHERS

LIGHT DUTY POLY HINGED COVER -  
 OPTIONAL Ø600mm LIGHT OR  
 HEAVY SERVICE COVER

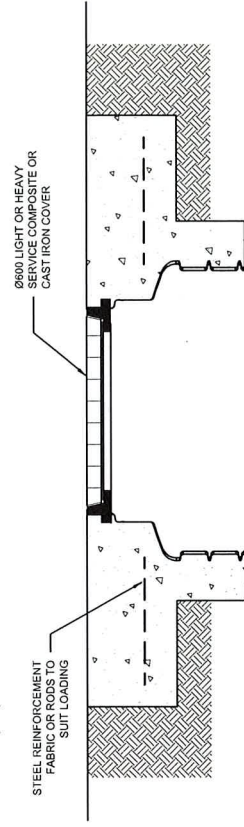


PIT MODEL	NOMINAL DEPTH *	TOTAL CAPACITY	TANK/LID WEIGHT
DAP 07	1200mm	650 LTS	45 Kgs
DAP 10	1700mm	1000 LTS	60 Kgs
DAP 14	2300mm	1450 LTS	75 Kgs

NOTE: 600mm EXTENSION AVAILABLE

### INSTALLATION NOTES:

1. Tank construction is 8mm polyethylene manufactured in accordance with strict quality control procedures. Complies with AS/NZS 1546.1 2008.
2. Compact a 100mm sand bed to a finished depth 100mm deeper than tank depth. Bed tank down in fresh concrete and pour additional concrete around sides to cover locking bars by minimum 100 mm. If bottom of tank is below maximum ground water level, additional ballast will be required. Concrete to be continued to top of tank on all installations within the foundations of a building. When using cast iron load-bearing cover, tie cover in with surrounding concrete or support cover by continuing concrete up sides to top of tank. Note - Set top of tank below ground level to allow for thickness of cast iron cover.
3. Vent and conduit penetrations to be made as close as possible to top of tank and at right angles to tank wall. Vent to be sealed through tank wall with 'Uniseal'. Electrician to install a 50mm conduit in a straight line from tank to mains isolator (and to alarm panel if fitted), terminated through tank wall using plain to screwed adaptors. Use long radius bends not elbows, and cover conduits up wall or controller stand with appropriate mechanical protection.
4. Electrician to seal inside of pump (and high level probes/float if fitted) conduit/s with silicon to prevent gases venting through conduits. Check for adequate power supply before commencing installation.
5. Set high-level alarm float (if fitted) 100mm above start float. Note: Specify if pump and high level float cables need to be longer than the standard 10m.
6. Tank to be regularly cleaned by hand-held hose, and pump and alarm operation checked. In high grease applications, tank should be degreased on a regular basis by a waste removal contractor. Pump to be removed for service on approximately a 12 monthly cycle.



INSTALLATION IN HEAVY SERVICE AREAS  
 NOTE: SET PIT DOWN TO ALLOW FOR COVER THICKNESS

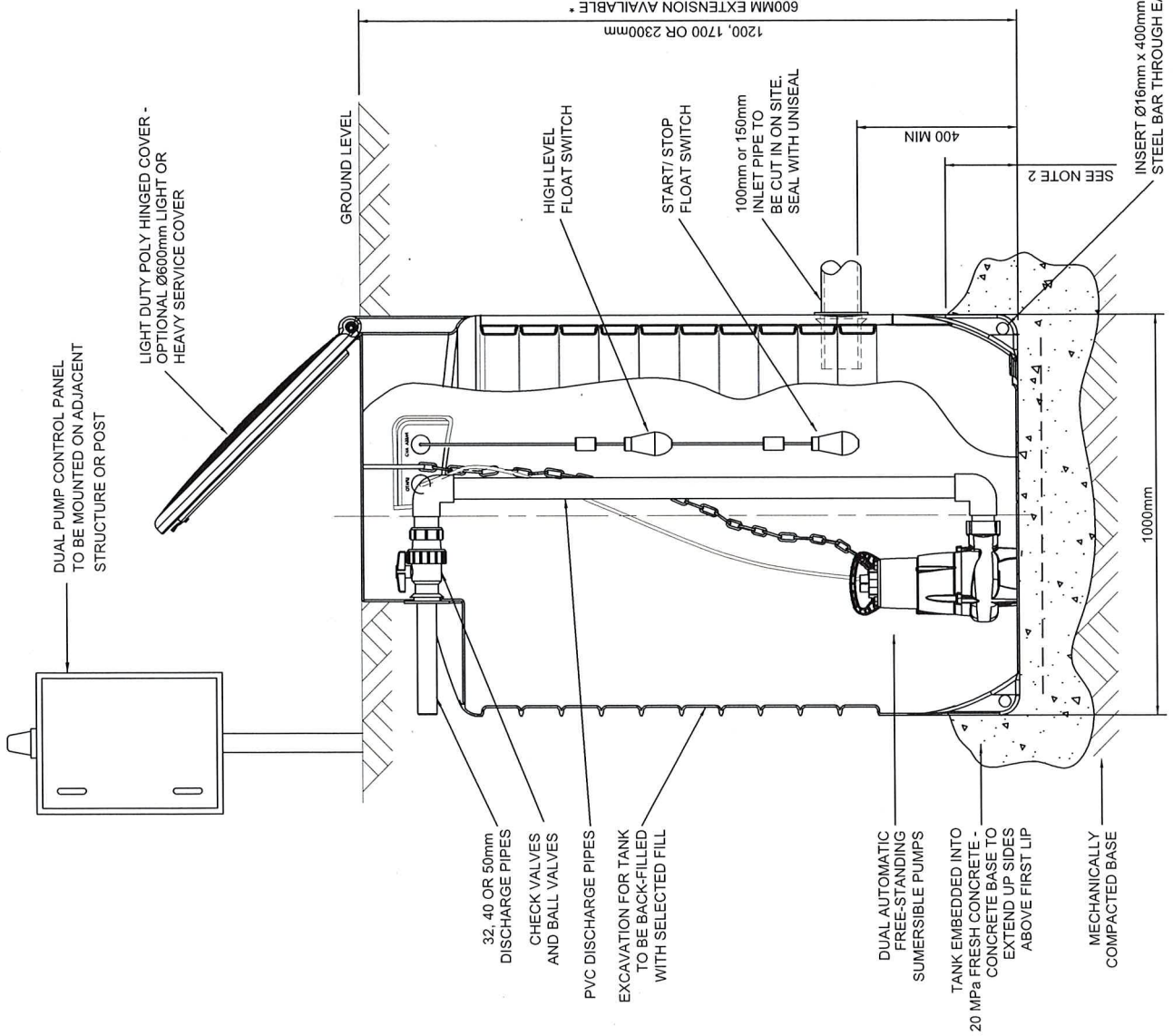


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### AUTOMATIC SINGLE STORMWATER OR SEWAGE PUMP - FREE STANDING

Dir.	E.S.	Scale	Scale	Dir. No.	Rev
Ckd. <td>D.B. <td>NTS <td>NTS <td>PE-12 <td>A</td> </td></td></td></td>	D.B. <td>NTS <td>NTS <td>PE-12 <td>A</td> </td></td></td>	NTS <td>NTS <td>PE-12 <td>A</td> </td></td>	NTS <td>PE-12 <td>A</td> </td>	PE-12 <td>A</td>	A
Ref <td>K.S. <td></td> <td></td> <td></td> <td></td> </td>	K.S. <td></td> <td></td> <td></td> <td></td>				

# GLOBAL WATER 'DRAINAGE'™ Ø1000mm POLYETHYLENE PUMP STATION Ø32mm, Ø40mm and Ø50mm DUAL SUBMERSIBLE PUMPS



PIT MODEL	NOMINAL DEPTH *	TOTAL CAPACITY	TANK/LID WEIGHT
DAP 07	1200mm	650 LTS	45 Kgs
DAP 10	1700mm	1000 LTS	60 Kgs
DAP 14	2300mm	1450 LTS	75 Kgs

NOTE: 600mm EXTENSION AVAILABLE

### INSTALLATION NOTES:

1. Tank construction is 8mm polyethylene manufactured in accordance with strict quality control procedures. Complies with AS/NZS 1546.1 2008.
2. Compact a 100mm sand bed to a finished depth 100mm deeper than tank depth. Bed tank down in fresh concrete and pour additional concrete around sides to cover locking bars by minimum 100 mm. If bottom of tank is below maximum ground water level, additional ballast will be required. Concrete to be continued to top of tank on all installations within the foundations of a building. When using cast iron load-bearing cover, tie cover in with surrounding concrete or support cover by continuing concrete up sides to top of tank. Note - Set top of tank below ground level to allow for thickness of cast iron cover.
3. Vent and conduit penetrations to be made as close as possible to top of tank and at right angles to tank wall. Vent to be sealed through tank wall with 'Uniseal'. Electrician to install a 50mm conduit in a straight line from tank to mains isolator (and to alarm panel if fitted), terminated through tank wall using plain to screwed adaptors. Use long radius bends not elbows, and cover conduits up wall or controller stand with appropriate mechanical protection.
4. Electrician to seal inside of pump and float conduits with silicon to prevent gases venting through conduits. Check for adequate power supply before commencing installation. **IMPORTANT:** On three phase pumps, direction of rotation must be sight checked by lifting pumps.
5. Set high-level alarm float 100mm above start float. Note: Specify if pump and float cables need to be longer than the standard 10m.
6. Tank to be regularly cleaned by hand-held hose, and pump and alarm operation checked. In high grease applications, tank should be degreased on a regular basis by a waste removal contractor. Pump to be removed for service on approximately a 12 monthly cycle.



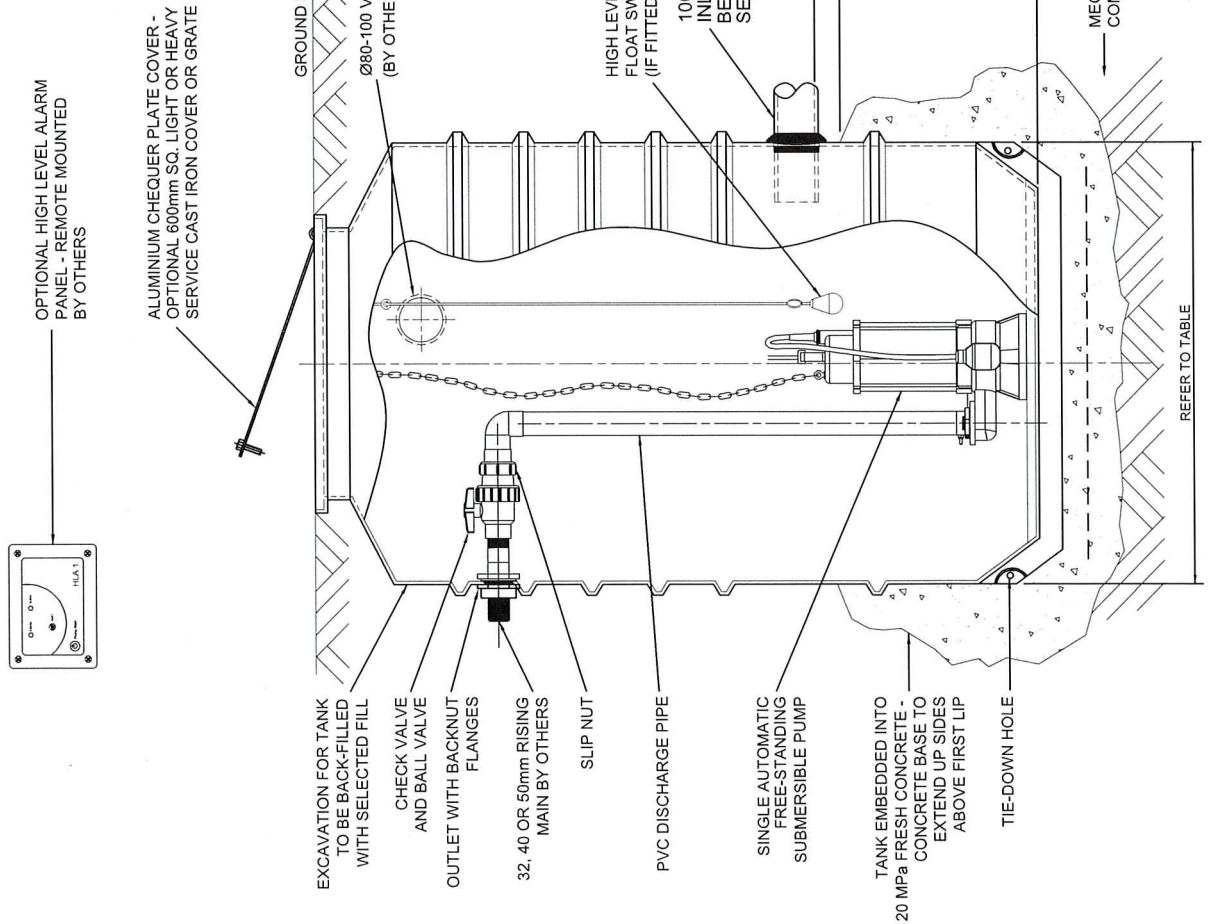
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**Ø32mm - Ø50mm DUAL STORMWATER  
OR SEWAGE PUMPS - FREE STANDING**

Dim.	E.S.	Scale	Drig. No.	Rev
Ckd.	D.B.	NTS	PE-13	A
Ref	K.S.			

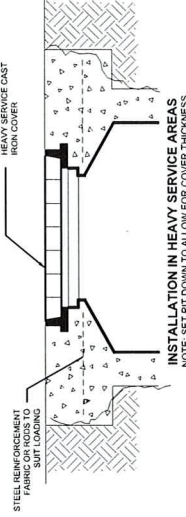
# GLOBAL WATER 'DRAINACE'<sup>TM</sup> POLYETHYLENE PUMP STATION Ø32mm, Ø40mm and Ø50mm SINGLE SUBMERSIBLE PUMP



NOTE: 600mm EXTENSION AVAILABLE

## INSTALLATION NOTES:

1. Tank construction is 8mm polyethylene manufactured in accordance with strict quality control procedures. Complies with AS/ NZS 1546.1 2008.
2. Compact a 100mm sand bed to a finished depth 100mm deeper than tank depth. Bed tank down in fresh concrete and pour additional concrete around sides to cover first rib. Note that on the DAP-16A and 20A tanks, insert 400mm x Ø16 reinforcement bars in each tie-down hole, and pour concrete around sides to ensure min 100mm coverage. If bottom of tank is below maximum ground water level, consult ballast chart to confirm extent of ballast required. Concrete to be continued to top of tank on all installations within the foundations of a building. When using cast iron load-bearing cover, tie cover in with surrounding concrete or support cover by continuing concrete up sides to top of tank. Note - Set top of tank below ground level to allow for thickness of cast iron cover.
3. Vent and conduit penetrations to be made as close as possible to top of tank and at right angles to tank wall. Vent to be sealed through tank wall with 'Uniseal'. Electrician to install 3 x 50mm conduits in a straight line from tank to control panel, sealed through tank wall using plain to screwed adaptors. Use long radius bends not elbows, and cover conduits up wall or controller stand with appropriate mechanical protection.
4. Electrician to connect pumps and level probes/floats, and seal cables inside conduit with silicon to prevent gases venting into pump controller. Check for adequate power supply before commencing installation.
5. Before connecting power supply to pump controller, check all connections and relays for any misplacement that may have occurred during transport. When commissioning, set overloads to pump nameplate amps. Record voltage and running current whilst pump is under load. **IMPORTANT:** On three phase units, direction of rotation must be physically sight checked by lifting pump.
6. Set high-level alarm float 100mm above start switch/ probe. Note: Specify if pump and float cables need to be longer than the standard 10m.
7. Tank to be regularly cleaned by hand-held hose, and pump and alarm operation checked. In high grease applications, tank should be degreased on a regular basis by a waste removal contractor. Pump to be removed for service on approximately a 12 monthly cycle.



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## AUTOMATIC SINGLE STORMWATER OR SEWAGE PUMP - FREE STANDING

Dim.	E.S.	Scale	Dwg. No.	Rev
Ckd.	D.B.	NTS	<b>PE-14</b>	<b>A</b>
Ref	K.S.			

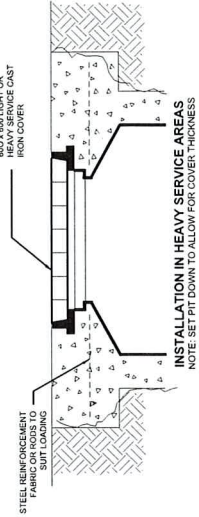
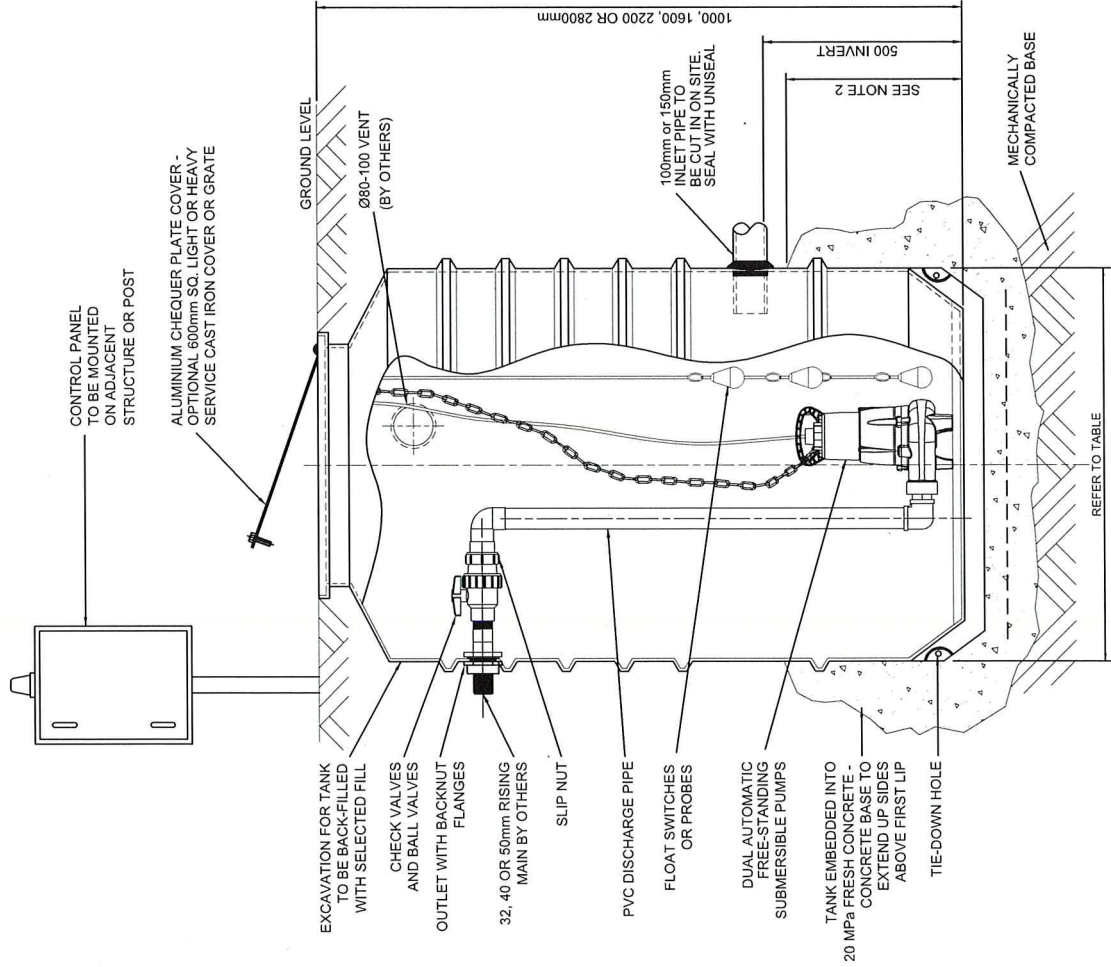
# GLOBAL WATER 'DRAINACE'™ POLYETHYLENE PUMP STATION Ø32mm, Ø40mm and Ø50mm DUAL SUBMERSIBLE PUMPS

PIT MODEL	NOMINAL DEPTH	TOTAL CAPACITY	TANK O.D.
DAP 11A	1660mm	1200 LTS	1150mm
DAP 16A	2000mm	1600 LTS	1200mm
DAP 20A	2500mm	2000 LTS	1200mm

NOTE: 600mm EXTENSION AVAILABLE

### INSTALLATION NOTES:

1. Tank construction is 8mm polyethylene manufactured in accordance with strict quality control procedures. Complies with AS/ NZS 1546.1 2008.
2. Compact a 100mm sand bed to a finished depth 100mm deeper than tank depth. Bed tank down in fresh concrete and pour additional concrete around sides to cover first rib. Note that on the DAP-16A and 20A tanks, insert 400mm x Ø16 reinforcement bars in each tie-down hole, and pour concrete around sides to ensure min 100mm coverage. If bottom of tank is below maximum ground water level, consult ballast chart to confirm extent of ballast required. Concrete to be continued to top of tank on all installations within the foundations of a building. When using cast iron load-bearing cover, tie cover in with surrounding concrete or support cover by continuing concrete up sides to top of tank. Note - Set top of tank below ground level to allow for thickness of cast iron cover.
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**Ø32mm - Ø50mm DUAL STORMWATER  
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Ref	K.S.		