LOT 2
SECTION 62
DP 758721

68.8 (BY TITLE)

LANE

28.365 (BY TITLE)

471.00

No. 81 Lawson Street

LOT 3
SECTION 62
DP 758721
1947m² (BY TITLE)

470.00

28.365 (BY TITLE)

HONEY

STREET

LAWSON

SHED

GARDEN AREA

STEEL LID OVER U/GROUND CONC TANK

CLOTHESLINE

TAP

WM

HYD

SBR

EXISTING RESIDENCE
WEATHERBOARD.
METAL ROOF.

ROOF OVER

VERANDAH

MAILBOX

VEGETABLE GARDEN

GRAVEL ACCESS

LAYBACK

GARDEN AREA

TPIT

TMP

PP

LOT 4
SECTION 62
DP 758721

68.8 (BY TITLE)

LEGEND

- EXISTING SUBJECT CADASTRAL BOUNDARIES
- EXISTING ADJOINING CADASTRAL BOUNDARIES
- EXISTING FENCE
- EXISTING UNDERGEROUND SEWER MAIN
- EXISTING SEWER MANHOLE
- EXISTING SEWER INSPECTION OPENING
- EXISTING UNDERGROUND WATER LINE
- EXISTING HYDRANT
- EXISTING WATER METER
- EXISTING STOP VALVE
- EXISTING STORMWATER PIPE
- EXISTING GRATED PIT
- EXISTING OVERHEAD POWER LINE
- EXISTING UNDERGROUND POWER LINE
- EXISTING POWER POLE
- EXISTING UNDERGROUND LINE
- EXISTING TELECOMMUNICATIONS PIT

EXISTING SITE PLAN

REDUCTION RATIO 1:100 @ A1
1:200 @ A3

SCALE 1:100(A1)
0 1 2 4 6 8 10
0 1 2 4 6 8 10
SCALE 1:200(A3)

PRELIMINARY DRAWING
Not to be used for construction purposes

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Client: EDEN ENTERPRISES
Project: MULTI UNIT RESIDENTIAL DEVELOPMENT
81 LAWSON STREET
MUDGEE NSW 2850
Drawing Title: EXISTING SITE PLAN

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Certification
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Revision 0

STREET

LANE

LAWSON

HONEY

STEPPED FENCELINE & RETAINING WALL

LOT 2
SECTION 62
DP 758721

TPIT

TMP

PROPOSED CONCRETE DRIVEWAY

PROPOSED CARPORT

EXISTING SHED

LOT 3
SECTION 62
DP 758721

WM

HYD H

EXISTING RESIDENCE

SBR

PROPOSED DWELLING 1

PROPOSED DWELLING 2

PROPOSED DWELLING 3

Ex. OE Ex. OE Ex. OT Ex. OT

PROPOSED SUBDIVISION BOUNDARY

PROPOSED CONCRETE DRIVEWAY

PP

TPIT

LOT 4
SECTION 62
DP 758721

PROPOSED SITE PLAN

REDUCTION RATIO 1:100 @ A1
1:200 @ A3

SCALE 1:100(A1)

0 1 2 4 6 8 10

0 1 2 4 6 8 10

SCALE 1:200(A3)

LEGEND

	EXISTING SUBJECT CADASTRAL BOUNDARIES
	EXISTING ADJOINING CADASTRAL BOUNDARIES
/	EXISTING FENCE
Ex. S Ex. S	EXISTING UNDERGEROUND SEWER MAIN
SMH	EXISTING SEWER MANHOLE
IO	EXISTING SEWER INSPECTION OPENING
Ex. W Ex. W	EXISTING UNDERGROUND WATER LINE
HYD	EXISTING HYDRANT
WM	EXISTING WATER METER
SV	EXISTING STOP VALVE
Ex. SW Ex. SW	EXISTING STORMWATER PIPE
	EXISTING GRATED PIT
Ex. OE Ex. OE	EXISTING OVERHEAD POWER LINE
Ex. E Ex. E	EXISTING UNDERGROUND POWER LINE
PP	EXISTING POWER POLE
Ex. T Ex. T	EXISTING UNDERGROUND LINE
TPIT	EXISTING TELECOMMUNICATIONS PIT

LEGEND (proposed)

	PROPOSED SUBDIVISION BOUNDARY
	EXTENT OF PROPOSED CONCRETE CARPARK
	EXTENT OF PROPOSED CONCRETE PATH/SLAB
SW SW	PROPOSED STORMWATER DRAINAGE PIPE
DD DD	PROPOSED DISH DRAIN
	PROPOSED SW PIT

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Client: EDEN ENTERPRISES
Project: MULTI UNIT RESIDENTIAL DEVELOPMENT
81 LAWSON STREET
MUDGEE NSW 2850
Drawing Title: PROPOSED SITE PLAN

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Original Sheet Size = A1

Certification

Drawing Number 38940-C02

Revision 0

LOT 2
SECTION 62
DP 758721

STREET

LANE

HONEY

LAWSON

TPIT
TMP
WM
HYD
SBR
SV

EXISTING SHED

PROPOSED CONCRETE DRIVEWAY

PROPOSED CARPORT FSL 471.45

EXISTING RESIDENCE

PROPOSED CONCRETE DRIVEWAY

PROPOSED KERB ADAPTOR

SW RISING MAIN PUMPED
$Q_{5\%}$ = 8.0 l/s

ALFRESCO FSL 471.35

PROPOSED DWELLING 1 FFL 471.35

CARPORT FSL 471.345

ALFRESCO FSL 470.80

PROPOSED DWELLING 2 FFL 470.95

CARPORT FSL 470.842

ALFRESCO FSL 470.40

PROPOSED DWELLING 3 FFL 470.55

CARPORT FSL 470.420

ø90 uPVC 1.6% $Q_{5\%}$ = 2.1 l/s

ø90 uPVC 1.0% $Q_{5\%}$ = 0.6 l/s

ø90 uPVC 1.0% $Q_{5\%}$ = 4.2 l/s

ø90 uPVC 1.0% $Q_{5\%}$ = 0.6 l/s

ø90 uPVC 1.0% $Q_{5\%}$ = 5.7 l/s

ø90 uPVC 1.0% $Q_{5\%}$ = 0.6 l/s

ø90 uPVC 3.0% $Q_{5\%}$ = 2.3 l/s

ø90 uPVC 4.4% $Q_{5\%}$ = 5.6 l/s

ø100 uPVC 3.4% $Q_{5\%}$ = 7.6 l/s

ø150 uPVC 3.2% $Q_{5\%}$ = 9.5 l/s

ø100 uPVC 1.0% $Q_{5\%}$ = 8.0 l/s

DETENTION BASIN WITH 0.7m³ CAPACITY

PROPOSED STORMWATER PIT WITH CONCRETE LID, TO BE FITTED WITH DUAL SUBMERSIBLE PUMPS WITH MINIMUM OVERALL DISCHARGE CAPACITY OF 4.0 l/s

DESIGN NOTE:
AEP = 5%
DURATION = 5 MIN.
RAINFALL INTENSITY =147mm/hr

STORMWATER ANALYSIS
1. DESIGN CALCULATIONS AS PER AS3500.3-2015
2. RAINFALL INTENSITY FOR 5 MINUTES DURATION AND 5% AEP I_5 = 147 mm/hr.

HYDRAULIC ANALYSIS
1. DESIGN CALCULATIONS AS PER AS3500.3-2015
   A) PRE-DEVELOPED:
   - TOTAL APPLICABLE CATCHMENT AREA (A) = 1,352 m²
   - RAINFALL INTENSITY (I_5) = 147mm/hr (5min 5% AEP)
   - Cr = RUNOFF COEFFICIENT FOR ROOF AREA = 1.0
   - Ar = TOTAL ROOF AREA= 0 m²
   - Ci = RUNOFF COEFFICIENT FOR UNROOFED IMPERVIOUS AREA = 0.9
   - Ai = TOTAL UNROOFED IMPERVIOUS AREA= 0 m²
   - Cp = RUNOFF COEFFICIENT FOR PERVIOUS GRASS AREA = 0.3
   - Ap = TOTAL PERVIOUS GRASS AREA = 1,352 m²
   - TOTAL FLOW Q_{PRE}= (Cr Ar+Ci Ai+Cp Ap). I / 3600 = 16.6 l/s

   B) POST-DEVELOPED FLOW:
   - TOTAL APPLICABLE CATCHMENT AREA (A) = 1,352 m²
   - RAINFALL INTENSITY (I_5) = 147 mm/hr (5min 5% AEP)
   - Cr = RUNOFF COEFFICIENT FOR ROOF AREA = 1.0
   - Ar = TOTAL ROOF AREA= 535.5 m²
   - Ci = RUNOFF COEFFICIENT FOR UNROOFED IMPERVIOUS AREA = 0.9
   - Ai = TOTAL UNROOFED IMPERVIOUS AREA= 277.1 m²
   - Cp = RUNOFF COEFFICIENT FOR PERVIOUS GRASS AREA = 0.3
   - Ap = TOTAL PERVIOUS GRASS AREA = 539.4 m²
   - TOTAL FLOW Q_{POST}= (Cr Ar+Ci Ai+Cp Ap). I / 3600 = 38.7 l/s

2. ON-SITE DETENTION:
   - ROOF RUNOFF: 21.9 l/s
   - CARPARK RUNOFF: 10.2 l/s
   - SURFACE OVERLAND FLOW (OSD BYPASS): 6.6 l/s
   - RWT CONTROLLED OUTFLOW: 0.6 l/s PER TANK × 3 TANKS
   - RWT STORAGE CAPACITY REQUIRED: (21.9 l/s – 0.6 l/s) × 60 × 5 = 6,390 l PER TANK × 3 TANKS
   - PROVIDE 7,000 l RAINWATER TANKS ×3, EACH WITH OUTFLOW = 0.5 l/s
   - OSD BASIN CONTROLLED OUTFLOW: 8 l/s
   - CARPARK STORAGE CAPACITY REQUIRED: (10.2 l/s – 8 l/s) × 60 × 5 = 660 l = 0.66 m³

3. TANKS ORIFICE SIZING:
   - CALCULATIONS BASED ON 3× KINGSPAN 7,000 l SLIMLINE RAINWATER TANK, 2.02mH × 3.3mL × 1.15mW. IF ACTUAL TANK DIMENSIONS DIFFER, ORIFICE CALCULATION TO BE REVISED.
   - PIPE DIAMETER = 12mm
   - AVAILABLE HEAD ABOVE PIPE CENTRE LINE = 2.01
   - EXIT VELOCITY = √(2gh) = 6.28 m/s
   - ORIFICE COEFFICIENT = 0.8
   - FLOW THROUGH ø12mm PIPE = (0.8 × 6.28) × 0.01²/4 × π = 0.00057 m³/s
   - CONTROLLED OUTFLOW = 0.6 l/s
   - TOTAL SITE OUTFLOW = 6.6 l/s + 8.0 l/s + 0.6 l/s × 3 = 16.3 l/s < Q_{PRE}

STORMWATER MANAGEMENT PLAN

REDUCTION RATIO 1:100 @ A1
1:200 @ A3

SCALE 1:100(A1)
SCALE 1:200(A3)

STORMWATER PIT SCHEDULE

PIT ID	TOP RL (m)	INLET RL (m)	OUTLET RL (m)	DEPTH (m)	LID TYPE
P0	470.25	468.78	468.75	1.5	MD SOLID
P1	470.13	469.43	469.41	0.8	HD GRATED
P2	470.33	469.63	469.61	0.8	HD GRATED
P3	470.76	470.06	470.04	0.8	HD GRATED
P4	471.32	470.62	470.60	0.8	HD GRATED
P5	471.73	-	471.03	0.7	HD GRATED
P6	470.13	469.05	469.37	0.8	MD GRATED
P7	470.58	469.90	469.50	1.1	MD GRATED
P8	471.18	470.60	470.10	1.1	MD GRATED

LEGEND

- EXISTING SUBJECT CADASTRAL BOUNDARIES
- EXISTING ADJOINING CADASTRAL BOUNDARIES
- EXISTING FENCE
- EXISTING UNDERGEROUND SEWER MAIN
- EXISTING SEWER MANHOLE
- EXISTING SEWER INSPECTION OPENING
- EXISTING UNDERGROUND WATER LINE
- EXISTING HYDRANT
- EXISTING WATER METER
- EXISTING STOP VALVE
- EXISTING STORMWATER PIPE
- EXISTING GRATED PIT
- EXISTING OVERHEAD POWER LINE
- EXISTING UNDERGROUND POWER LINE
- EXISTING POWER POLE
- EXISTING UNDERGROUND LINE
- EXISTING TELECOMMUNICATIONS PIT
- EXISTING LEVEL

LEGEND (proposed)

- PROPOSED SUBDIVISION BOUNDARY
- PROPOSED BARRIER KERB AND GUTTER
- PROPOSED KERB ONLY
- EXTENT OF PROPOSED CONCRETE CARPARK
- EXTENT OF PROPOSED CONCRETE PATH/SLAB
- PROPOSED STORMWATER DRAINAGE PIPE
- PROPOSED DISH DRAIN
- PROPOSED SW PIT
- PROPOSED SURFACE FALL DIRECTION
- PROPOSED LEVEL

PRELIMINARY DRAWING
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Client: EDEN ENTERPRISES
Project: MULTI UNIT RESIDENTIAL DEVELOPMENT
81 LAWSON STREET
MUDGEE NSW 2850
Drawing Title: STORMWATER MANAGEMENT PLAN

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SITEWORKS NOTES

1. ORIGIN OF LEVELS :- AHD
2. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND EXISTING LEVELS ON SITE PRIOR TO COMMENCEMENT OF WORK.
3. ALL WORK IS TO BE UNDERTAKEN IN ACCORDANCE WITH THE DETAILS SHOWN ON THE DRAWINGS, THE SPECIFICATIONS AND THE DIRECTIONS OF THE SUPERINTENDENT.
4. EXISTING SERVICES HAVE BEEN OBTAINED FROM SURFACE INSPECTION ONLY. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH THE LOCATION AND THE LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF ANY WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE SUPERINTENDENT. CLEARANCES SHALL BE OBTAINED FROM THE RELEVANT SERVICE AUTHORITY.
5. WHERE NEW WORKS ABUT EXISTING THE CONTRACTOR SHALL ENSURE THAT A SMOOTH EVEN PROFILE, FREE FROM ABRUPT CHANGES IS OBTAINED.
6. THE CONTRACTOR SHALL ARRANGE ALL SURVEY SETOUT TO BE CARRIED OUT BY A QUALIFIED SURVEYOR.
7. CARE IS TO BE TAKEN WHEN EXCAVATING NEAR EXISTING SERVICES. NO MECHANICAL EXCAVATIONS ARE TO BE UNDERTAKEN OVER TELECOM OR ELECTRICAL SERVICES. HAND EXCAVATE IN THESE AREAS.
8. ON COMPLETION OF CONSTRUCTION, ALL DISTURBED AREAS MUST BE RESTORED TO ORIGINAL, INCLUDING KERBS, FOOTPATHS, CONCRETE AREAS, GRAVEL AND GRASSED AREAS AND ROAD PAVEMENTS.
9. MAKE SMOOTH TRANSITION TO EXISTING AREAS.
10. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY DIVERSION DRAINS AND MOUNDS TO ENSURE THAT AT ALL TIMES EXPOSED SURFACES ARE FREE DRAINING AND WHERE NECESSARY EXCAVATE SUMPS AND PROVIDE PUMPING EQUIPMENT TO DRAIN EXPOSED AREAS. ALL WORK TO BE UNDERTAKEN WITH ADHERENCE TO THE REQUIREMENTS OF THE SOIL AND WATER MANAGEMENT PLAN.
11. THESE PLANS SHALL BE READ IN CONJUNCTION WITH APPROVED ARCHITECTURAL, STRUCTURAL, HYDRAULIC AND MECHANICAL DRAWINGS AND SPECIFICATIONS.

STORMWATER NOTES

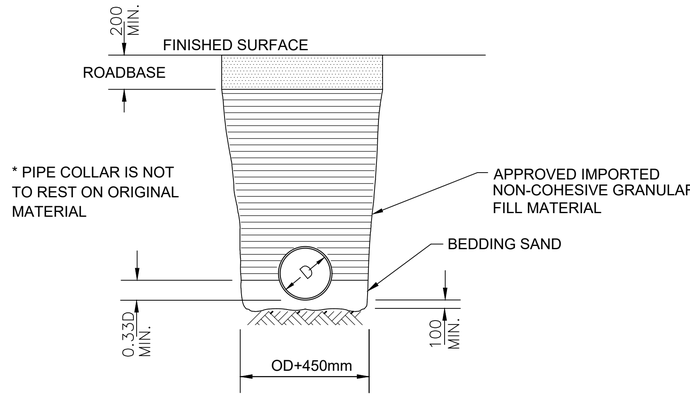
1. ALL DOWNPIPE LINES SHALL BE SEWER GRADE uPVC WITH SOLVENT WELD JOINTS (U.N.O)
2. EQUIVALENT STRENGTH VCP OR FCP PIPES MAY BE USED.
3. MINIMUM GRADE TO STORMWATER LINES TO BE 0.5% MINIMUM (U.N.O)
4. CONTRACTORS TO SUPPLY AND INSTALL ALL FITTINGS AND SPECIALS INCLUDING VARIOUS PIPE ADAPTORS TO ENSURE PROPER CONNECTION BETWEEN DISSIMILAR PIPEWORK.
5. ALL CONNECTIONS TO EXISTING DRAINAGE PITS SHALL BE MADE IN A TRADESMAN-LIKE MANNER AND THE INTERNAL WALL OF THE PIT AT THE POINT OF ENTRY SHALL BE CEMENT RENDERED TO ENSURE A SMOOTH FINISH.
6. APPROVED PRECAST PITS MAY BE USED.
7. WHERE TRENCHES ARE IN ROCK, THE PIPE SHALL BE BEDDED ON A MIN. 50mm CONCRETE BED (75mm THICK BED OF 12mm BLUE METAL) UNDER THE BARREL OF THE PIPE. THE PIPE COLLAR AT NO POINT SHALL BEAR THE ROCK. IN OTHER THAN ROCK, PIPES SHALL BE LAID ON A 75mm THICK SAND BED. IN ALL CASES, BACKFILL THE TRENCH WITH THE SAND TO 200mm ABOVE THE PIPE .WHERE THE PIPE IS UNDER PAVEMENTS, BACKFILL REMAINDER OF TRENCH WITH SAND OR APPROVED GRANULAR BACKFILL COMPACTED IN 150mm LAYERS TO 98% MAX. DRY DENSITY.
8. WHERE STORMWATER LINES PASS UNDER FLOOR SLABS, SEWER GRADE RUBBER RING JOINTS ARE TO BE USED.
9. ALL PIPES IN THE ROADWAY AND FOOTPATH AREAS, WHERE THE DEPTH OF PIPE IS LESS THAN 500mm FROM THE FINISHED SURFACE LEVEL ARE TO BE CONCRETE ENCASED.

PIPE TRENCH - FILL NOTES:

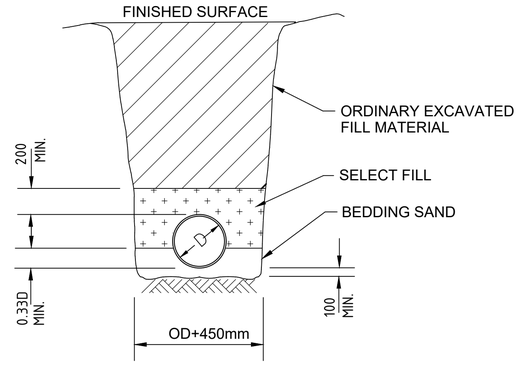
1. BEDDING SAND
BEDDING SAND SHALL BE GRANULAR MATERIAL HAVING A LOW PERMEABILITY AND HIGH STABILITY WHEN SATURATED, CONFORMING TO THE GRADING LIMITS FOR BEDDING SAND AS INDICATED IN THE CONTRACT DOCUMENTS. BEDDING SAND SHALL BE COMPACTED TO A DENSITY INDEX OF 95% AS DETERMINED IN ACCORDANCE WITH AS1289.

2. APPROVED IMPORTED GRANULAR FILL
ONLY IMPORTED GRANULAR FILL MATERIAL APPROVED BY THE SUPERINTENDENT SHALL BE USED. THIS FILL MATERIAL SHALL BE COMPACTED IN LAYERS NOT EXCEEDING 300mm THICK TO A DRY DENSITY OF 100% OF THE STANDARD MAXIMUM DRY DENSITY OF THE MATERIAL AND WITH A MOISTURE CONTENT NO MORE THAN 1% ABOVE OPTIMUM MOISTURE CONTENT AS DETERMINED IN ACCORDANCE WITH AS1289.

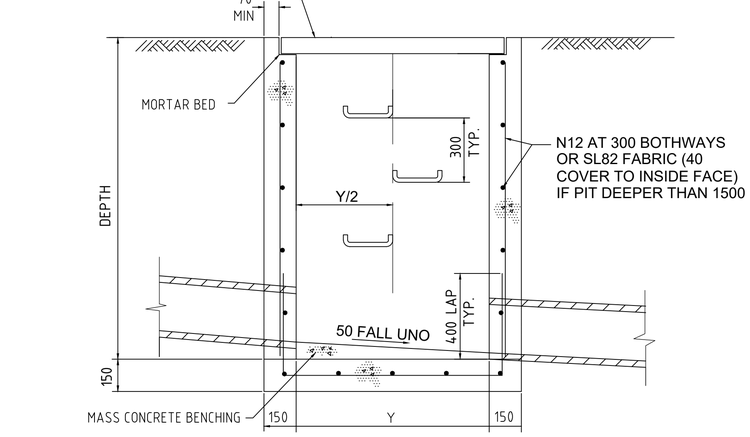
3. ORDINARY EXCAVATED FILL MATERIAL
ORDINARY EXCAVATED FILL MATERIAL IS EXCAVATED TRENCH MATERIAL THAT IS FREE OF VEGETABLE MATTER, HUMUS, LARGE CLAY LUMPS AND ROCK BOULDERS. THIS FILL MATERIAL SHALL BE COMPACTED IN LAYERS NOT EXCEEDING 300mm THICK, TO A DENSITY OF 95% OF THE STANDARD MAXIMUM DRY DENSITY OF THE MATERIAL WITH A MOISTURE CONTENT OF NOT MORE THAN 1% ABOVE THE OPTIMUM MOISTURE CONTENT AS DETERMINED IN ACCORDANCE WITH AS1289.



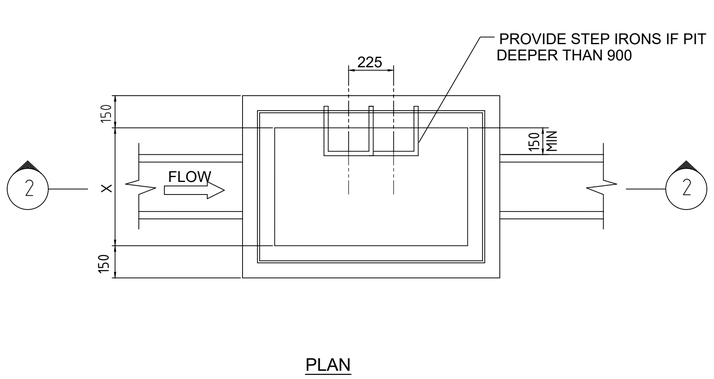
TYPICAL SECTION - TRENCH IN ROADWAY
SCALE = 1:20



TYPICAL SECTION - EARTH FOUNDATION TRENCH
SCALE = 1:20



SECTION 2



PLAN

GRATED INLET PIT
N.T.S.

PIT DIMENSIONS		
DEPTH	X	Y
D<600	450	450
D<1000	600	600
D<1500	600	900
1500<D<2400	900	900
D>2400	750	1200

PRELIMINARY DRAWING
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Client: EDEN ENTERPRISES
Project: MULTI UNIT RESIDENTIAL DEVELOPMENT
81 LAWSON STREET
MUDGEE NSW 2850
Drawing Title: STORMWATER NOTES AND DETAILS

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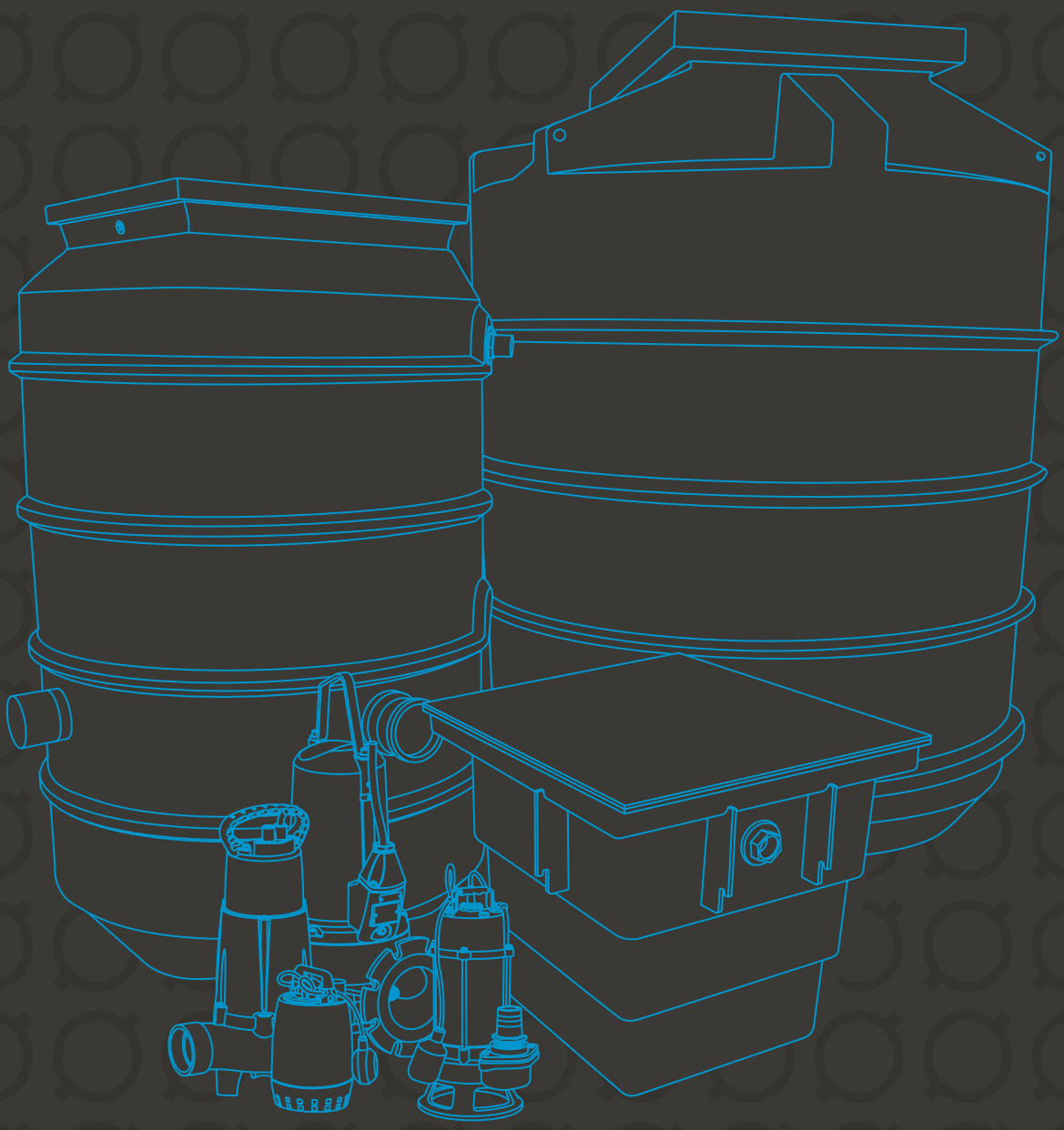
Global Water

DrainAce™ Polyethylene
Pump Stations



DrainAce™ Polyethylene
Pump Stations

The DrainAce Polyethylene Pump Stations for sewer, effluent and stormwater combine a heavy duty polyethylene pit with a wide range of pumps to provide a prefabricated pumping station solution for many uses.

Polyethylene is a resilient light-weight material with excellent chemical resistance and is extremely strong. Holes can be simply cut on-site for inlet, vent and conduit penetrations. 1000 mm diameter pits are fitted with 100 mm inlet spigots at 500 mm up from pit invert at 90° locations.

A wide choice of cover options are available, including light duty hinged aluminium covers and light or heavy duty cast iron covers and hot dip galvanised grates.

The polyethylene pits can also be used as pH correction and buffer pits in trade waste treatment systems, holding tanks in tank farms and bunded areas, stormwater detention chambers, dump tanks in waste and wastewater treatment systems.

The Global Water GP range of submersible pumps provide a dependable solution for a wide range of domestic, commercial and industrial pumping applications.

Arranged in either single or twin configurations, units are available in automatic and manual versions, and are fitted with cutter/grinder mechanisms or chokeless impellers for sewage, and semi-open or vortex impellers for stormwater and effluent. Control panels for both single and dual pump systems with audible and visual alarms are available if required.

Applications

- domestic/commercial sewage, septic and effluent
- industrial waste and washdown
- stormwater
- trade waste treatment
- rainwater harvesting
- solids settling
- buffer pits
- bund areas and spill control

Global Water

DrainAce™ Polyethylene
Sewer Stations

Pit specifications

Pit model	Capacity (L)	Diameter (mm)	Internal depth (mm)	Weight (kg)	Inlet invert from surface (mm)
DAP02	280	710[2]	960	21	600
DAP05	500	700	1400	28	1000
DAP06	650	1000	1000	50	500
DAP11*	1125	1000	1600	66	1100
DAP16*	1600	1000	2200	82	1700
DAP20*	2075	1000	2800	120	2300
DAP30	3000	1650	2050	250	1650
DAP50	5000	1800	2400	375	2000
DAP61*	6100	1950	2300	330	1000

*Note: * Department of Health approved for effluent use.*

Cover types – gas-tight

Reference number	Loading	Type
LSP	No traffic	Plastic (DAP05, 30, 50)
LSHA	Pedestrian	Aluminium
LSCI	Light duty	Cast iron
HSCI	Heavy duty	Cast iron*

*Note: * Requires load-bearing concrete surround*

Pump specifications

Pump model	Type	Phase	Power (kW)	Current (A)	Outlet (mm)
GPC50-75	Cutter	1	0.8	6.0	50
GPC50-150	Cutter	1	1.5	9.5	50
GPG32-90	Grinder	1 or 3	1.8/2.0	11.6/4.6	32
GPG32-170	Grinder	1 or 3	1.6/1.7	10.6/4.0	32
GPG32-210	Grinder	3	2.1	4.75	32
GPG32-260	Grinder	3	2.6	5.6	32
GPG32-300	Grinder	3	3.0	5.6	32
GPG50-550	Grinder	3	5.5	10.3	50
GPS80-220	Chokeless	3	2.2	5.15	80
GPV80-230	Chokeless	3	2.3	4.6	80
GPV100-290	Chokeless	3	2.95	6.4	80/100

Global Water

DrainAce™ Polyethylene
Stormwater/Effluent Stations

Pit specifications

Pit model	Capacity (L)	Diameter (mm)	Internal depth (mm)	Weight (kg)	Inlet invert from surface (mm)
DAP02	280	710[2]	960	21	600
DAP05	500	700	1400	28	1000
DAP06	650	1000	1000	50	500
DAP11	1125	1000	1600	66	1100
DAP16	1600	1000	2200	82	1700
DAP20	2075	1000	2800	120	2300
DAP30	3000	1650	2050	250	1650
DAP50	5000	1800	2400	375	2000
DAP61	6100	1950	2300	330	1000

Cover types

Reference number	Loading	Type
LSGRC	Pedestrian	Fibreglass cement
LSHA	Pedestrian	Aluminium - gas-tight
LSCI	Light duty	Gas-tight cover
HSCI	Heavy duty	Gas-tight cover*
LSGG	Light duty	Galvanised grate
HSGG	Heavy duty	Cast iron grate*

*Note: *requires load-bearing concrete surround*

Pump specifications

Pump model	Power (kW)	Current (A)	Voltage (V)	Outlet (mm)	ø Solids (mm)
GPD32-25	0.25	1.9	240	32	10
GPV40-75	0.75	4.8	240	40	40
GPV40-110	1.1	7.0	240	40	40
GPV50-110	1.1	8.0	240	50	50
GPV65-180	1.8	11.6	240	65	60
GPV50-180	1.8	4.1	415	50	40
GPV65-200	2.0	4.6	415	50	40
GPV80-220	2.2	5.9	415	80	70
GPV80-230	2.2	4.6	415	80	75
GPV80-300	3.0	7.8	415	80	70
GPV100-290	2.95	6.4	415	80/100	75

Larger units available

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