# PROPOSED DEVELOPMENT 6 EDITH STREET, KINGSWOOD STORMWATER PLANS

MINIMUM PIPE COVER SHALL BE AS FOLLOWS

MINIMUM COVER

100mm PLUS DEPTH OF CONCRETE

100mm SINGLE RESIDENTAL

600mm

750mm

SEE AS2032 INSTALLATION OF UPVC PIPES FOR FURTHER INFORMATION

CONCRETE PIPE COVER SHALL BE IN ACCORDANCE WITH AS3725-1989 LOADS ON BURIED CONCRETE PIPES, HOWEVER A MINIMUM COVER OF 450mm WILL APPLY.

450mm WHERE NOT IN A ROAD

LOCATION

NO SUBJECT TO VEHICLE LOADING

SUBJECT TO VEHICLE LOADING

UNDER A SEALED ROAD

UNSEALED ROAD

PAVED DRIVEWAY

## GENERAL NOTES

- THE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL ARCHITECTURAL DRAWINGS AND SPECIFICATIONS AND OTHER WRITTEN INSTRUCTIONS THAT MAY BE ISSUED. G2. DIMENSIONS SHALL NOT BE OBTAINED BY SCALING FROM THE DRAWINGS. REFER
- ARCHITECTS DRAWINGS FOR ALL DIMENSIONS. REFER ANY DISCREPANCY TO THE ENGINEER/ARCHITECT
- G4. MATERIALS AND WORKMANSHIP SHALL COMPLY WITH THE APPROPRIATE SAA SPECIFICATIONS OR CODE AND WITH THE REQUIREMENTS OF THE RELEVANT LOCAL UTHORITY
- G5. THE ALIGNMENT AND LEVEL OF ALL SERVICES SHOWN ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL CONFIRM THE POSITION AND LEVEL OF ALL SERVICES PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY DAMAGE TO SERVICES SHALL BE RECTIFIED AT HE CONTRACTORS EXPENSE
- NO WORKS ARE TO COMMENCE UNTIL THE REQUIRED TREE REMOVAL PERMITS HAVE BEEN NTED BY RELEVANT LOCAL AUTHORITY, AND THE APPROPRIATE NOTICE OF INTENTION COMMENCE GIVEN. LL SERVICES, OR CONDUITS FOR SERVICING SHALL BE INSTALLED PRIOR TO
- G7
- ALL SERVICES, OR CONDUITS FOR SERVICING SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF PAVEMENT CONSTRUCTION. SUBSOIL DRAINAGE, COMPRISING 100 AGRICULTURE PIPE IN GEO-STOCKING TO BE PLACED AS SHOWN AND AS MAY BE DIRECTED BY THE SUPERINTENDENT, SUBSOIL DRAINAGE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE RELEVANT LOCAL AUTHORITY CONSTRUCTION SPECIFICATION. NO WORK IS PERMITTED WITHIN ADJOINING PROPERTIES WITHOUT WRITTEN PERMISSION FROM THE OWNERS OR RESPONSIBLE AUTHORITY.

### DRAINAGE NOTES

- ALL DRAINAGE OUTLET LEVELS SHALL BE CONFIRMED ON SITE, PRIOR TO CONSTRUCTION COMMERCING.
- COMMENCING. ALL PIPES WITHIN THE PROPERTY TO BE MIN. 100 DIA UPVC @ 1% MIN. GRADE, UNO. ALL PITS WITHIN THE PROPERTY ARE TO BE FITTED WITH "WELDLOK" OR APPROVED EQUIVALENT GRATES: UGHT DUTY OF OR LANDSCAPED AREAS HEAVY DUTY WHERE SUBJECTED TO VEHICULAR TRAFFIC PITS WITHIN THE PROPERTY MAY BE CONSTRUCTED AS: 1) PRECAST STORMWATER PITS 2) CAST INSTU MASS CONCRETE 3) CEMENT RENDERED 2300mm BRICKWORK

- 2) CAST INSTITUTIONASS CONCLETE 23 3) CEMENT RENDERED 230mm BRICKWORK SUBJECT TO THE RELEVANT LOCAL AUTHORITY CONSTRUCTION SPECIFICATION. ENSURE ALL GRATES TO PTIS ARE SET BELOW FINISHED SURFACE LEVEL WITHIN THE PROPERTY. TOP OF PTI RL'S ARE APPROXIMATE ONLY AND MAY BE VARED SUBJECT TO APPROVAL OF THE ENGINEER. ALL INVERT LEVELS ARE TO BE ACHEVED. ANY PIPES BENEATH RELEVANT LOCAL AUTHORITY ROAD TO BE RUBBER RING JOINTED
- D7. ALL PITS IN ROADWAYS ARE TO BE FITTED WITH HEAVY DUTY GRATES WITH LOCKING
- ALL PITS IN ROADWAYS ARE TO BE FITTED WITH HEAVY DUTY ORATES WITH COOKING BOLTS AND CONTINUOUS HINGE. PROVIDE STEP IRONS TO STORMWATER PITS GREATER THAN 1200 IN DEPTH. TRENCH BACK FILL IN ROADWAYS SHALL COMPRISE SHARP, CLEAN GRANULAR BACK FILL IN ACCORDANCE WITH THE RELEVANT LOCAL AUTHORITY SPECIFICATION TO NON-TRAFFICABLE AREAS TO BE COMPACTED BY RODDING AND TAMPING USING A FLAT
- ATE VIBRATOR D10. WHERE A HIGH EARLY DISCHARGE (HED) PIT IS PROVIDED ALL PIPES ARE TO BE
- CONNECTED TO THE HEAD FILLOR THANGE (TED) FILLS FROM DED ALL FILES ARE TO BE CONNECTED TO THE HEAD FIT, UNO. D11. DOWN PIPES SHALL BE A MINIMUM OF DN100 SW GRADE UPVC OR 100X100 COLORBOND/ZINCALUME STEEL, UNO. D12. COLORBOND OR ZINCALUME STEEL BOX GUTTERS SHALL BE A MINIMUM OF 450 WIDE X 150
- DEEP. D13: EAVES GUTTERS SHALL BE A MINIMUM OF 125 WIDE X 100 DEEP (OR OF EQUIVALENT AREA) COLORBOND OR ZINCALUME STEEL, UNO, D14: SUBSOLI DRAINAGE SHALL BE PROVIDED TO ALL RETAINING WALLS & EMBANKMENTS, WITH THE LINES FEEDING INTO THE STORMWATER DRAINAGE SYSTEM, UNO.

## EARTHWORKS NOTES

- E1. THE EARTHWORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE PROJECT GEOTECHNICAL REPORT. E2. THE SITE OF THE WORKS SHALL BE PREPARED BY STRIPPING ALL EXISTING TOPSOIL, FILL AND VEGETATION
- E3
- THE SITE OF THE MONTO STATE ON THE ADAMA OF THE ADAMA OF AN OVERTATION, SUBGRADE SHALL BE COMPACTED UNTIL A DRY DENSITY HAS BEEN ACHIEVED OF NOT LESS THAN 100% OF THE STANDARD MAXIMUM DRY DENSITY WHEN TESTED IN ACCORDANCE WITH AS 1289 TESTS E.1.1, OR E.1.2. THE EXPOSED SUBGRADE SHOULD BE PROOF ROLLED TO DETECT ANY SOFT OR WET AREAS WHICH SHOULD BE LOCALLY EXCAVATED AND BACK FILLED WITH SELECTED
- MATEMAL. THE BACK FILLING MATERIAL SHALL BE IMPORTED GRANULAR FILL OF LOW PLASTICITY. PREFERABLY CRUSHED SANDSTONE, AND TO BE PLACED IN LAYERS NOT EXCEEDING 150 LOOSE THICKNESS AND COMPACTED TO 98% OF STANDARD DRY DENSITY AT A MOISTURE
- CONJENT WITHIN 2% OF OPTIMUM. SITE WORKS ARE TO BE BATTERED TO ADJACENT PROPERTY LEVELS.
- STORMWATER MUST NOT BE CONCENTRATED ON TO AN ADJACENT PROPERTY. AT NO TIME DURING OR AFTER CONSTRUCTION IS STORMWATER TO BE PONDED ON ADJOINING PROPERTIES. E9. THE SITE SHALL BE GRADED AND DRAINED SO THAT STORMWATER WILL BE DIRECTED
- AWAY FROM THE BUILDING PLATFORM. STORMWATER DRAINAGE SHALL BE PROVIDED AND MAINTAINED THROUGHOUT THE COURSE OF CONSTRUCTION ALL STORMWATER RUNOFF SHALL BE GRADED AWAY FROM THE SITE WORKS AND DISPOSED OF VIA SURFACE CATCHDRAINS AND STORMWATER OLLECTION PITS
- ALL SURFACE CATCH DRAINS SHALL BE GRADED AT 1% (1 IN 100) MINIMUM. THE GROUND GRADE AWAY FROM ANY DWELLING AT 5% (1 IN 20) FOR THE FIRST METRE THEN AT
- IERE A CUT FILL PLATFORM IS USED THERE SHALL BE A MINIMUM BERM 1000 WIDE TO HE PERIMETER OF THE SITE WORKS WHICH SHALL BE SUPPORTED BY BATTERS OF 3:1 IN

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AMENDMENT

### CONCRETE PAVEMENT

- SUBGRADE SHALL BE PREPARED AS OUTLINED IN EARTHWORKS. PROVIDE JOINTING AT MINIMUM 6000 MAX, INTERVALS OR AS OTHERWISE SPECIFIED IN THE

"C

- UKAWINGS. G. CONCRETE SHALL COMPRISE A MIN. COMPRESSIVE STRENGTH OF 32MPa AT 28 DAYS IN ACCORDANCE WITH THE RELEVANT LOCAL AUTHORITY SPECIFICATION, UNO. C4. ANY SUB-BASE MATERIAL SHALL BE COMPACTED AS UUTLINED NEARTHWORKS. C5. CONCRETE KERB AND GUTTER SHALL COMPRISE A MINIMUM COMPRESSIVE STRENGTH C 25MPa, UNO.
- 25MPa, UNO. C6. CONCRETE WORKS ARE TO BE CURED BY ONE OF THE FOLLOWING MEANS: )) WEITING TWICE DAILY FOR THE FIRST THREE DAYS: i) USING AN APPROVED CURING COMPOUNDED FOR A MINIMUM OF 7 DAYS COMMENCING IMMEDIATELY AFTER POURING.

## FLEXIBLE PAVEMENT NOTES

- F1. SUBGRADE SHALL BE PREPARED AS OUTLINED IN EARTHWORKS. F2. PAVEMENT MATERIAL SHALL CONSIST OF APPROVED OR RIPPED SANDSTONE, NATURAL GRAVEL OR FINE CRUSH ROCK AS PER THE RELEVANT COUNCIL AUTHORITY
- SPECIFICATION. F3. PAVEMENT MATERIALS SHALL BE SPREAD IN LAYERS NOT EXCEEDING 150 AND NOT LESS 75
- COMPACTED THICKNESS. PAVEMENT MATERIALS SHALL BE SIZED AND OF A STANDARD OUTLINED IN AS1141.
- F5. CRUSHED OR RIPPED SANDSTONE SHALL BE MINUS 75 NOMINAL SIZE DERIVED FROM SOUND, CLEAN SANDSTONE FREE FROM OVERBURDEN, CLAY SEAMS, SHALE AND OTHER DELETERIOUS MATERIAL
- F6. PAVEMENT MATERIALS SHALL BE COMPACTED BY SUITABLE MEANS TO SATISFY THE FOLLOWING MINIMUM SPECIFICATIONS (AS PER AS1289.2)

DESCRIPTION	MEDIUM DENSITY RATIO
SUB-BASE	98% MOD
BASE COURSE	98% MOD
ASPHALTIC CONCRETE	97% MOD

- AND SUBJECT TO THE RELEVANT LOCAL AUTHORITY CONSTRUCTION SPECIFICATION. F7. TESTING FOR FACH LAYER SHALL BE UNDERTAKEN BY AN A T A REGISTERED
- LABORATORY IN ACCORDANCE WITH AS1289, AT NOT MORE THAN 50m INTERVALS AND A MINIMUM OF TWO PER LAVER, FUTHER FREQUENCY OF TESTING SHALL BE NO LESS THAN THAT REQUIRED BY AS3978.

## PAVED AREAS NOTES

- PAVED AREAS NOTES
  A1. SUBGRADE SHALL BE PREPARED AS OUTLINED IN EARTHWORKS.
  A2. ALL PAVERS ARE TO BE PLACED IN ACCORDANCE WITH THE MANUFACTURER'S
  SPECIFICATION.
  A3. TRAFFICABLE AREAS:
  SUB-BASE TO BE 150 COMPACTED THICKNESS DGS75.
  SUB-BASE TO BE 150 COMPACTED THICKNESS DGS75.
  SUB-BASE TO BE 150 COMPACTED TO MEDIUM DENSITY 98% MOD.
  SUB-BASE TO EXTEND AT LEAST 200 BEYOND PAVED SURFACE.
  PAVERS TO BE 80 THICK INTERLOCKING PAVERS ON 50 SAND BEDDING.
  A4. NON TRAFFICABLE AREAS:
  SUB BASE AS PER TRAFFICABLE AREAS
  PAVERS TO BE 60 INTERLOCKING PAVERS ON 50 SAND BEDDING (UNO).

#### EROSION AND SEDIMENT NOTES

- THIS PLAN TO BE READ IN CONJUNCTION WITH EROSION AND SEDIMENT CONTROL DETAILS AS ATTACHED
- AS ATTACHED. THE CONTRACTOR SHALL IMPLEMENT ALL SOIL EROSION AND SEDIMENT CONTROL MEASURES AS NECESSARY AND TO THE SATISFACTION OF THE RELEVANT LOCAL AUTHORITY PRIOR TO THE COMMENCEMENT OF AND DURING CONSTRUCTION. NO DISTURBANCE TO THE SITE SHALL BE PERMITTED OTHER THAN IN THE IMMEDIATE AREA OF THE WORKS AND NO MATERIAL SHALL BE REMOVED FROM THE SITE WITHOUT THE RELEVANT LOCAL AUTHORITY APPROVAL ALL EROSION AND SEDIMENT CONTROL DEVICES TO RE MEXIANT USE AND NO MATERIANER ON ACCORDANCE WITH CATANIADRO SOLUTI INFEN IN NEW TO BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH STANDARDS OUTLINED IN NSW DEPARTMENT OF HOUSING'S "MANAGING URBAN STORMWATER - SOILS AND CONSTRUCTIONS".
- TOPSOIL SHALL BE STRIPPED AND STOCKPILED OUTSIDE HAZARD AREAS SUCH AS DRAINAGE LINES, THIS TOPSOIL SHALL BE RESPREAD LATER ON AREAS TO BE REVEGETATED AND STABILISED ONLY, (I.E. ALL FOOTPATHS, BATTERS, SITE REGARDING AREAS, BASINS AND CATCHDRAINS), TOPSOIL SHALL NOT BE RESPREAD ON ANY OTHER AREAS UNLESS SPECIFICALLY INSTRUCTED BY THE SUPERINTENDENT. IF THEY ARE TO
- REMAIN FOR LONGER THAN ONE MONTH STOCKPILES SHALL BE PROTECTED FROM ROSION BY COVERING THEM WITH A MULCH AND HYDROSEEDING AND. IF NECESSARY, BY OCATING BANKS OR DRAINS DOWNSTREAM OF A STOCKPILE TO RETARD SILT LADEN THE CONTRACTOR SHALL REGULARLY MAINTAIN ALL EROSION AND SEDIMENT CONTROL
- B4. THE CONTRACTOR SHALL REGULARLY MAINTAIN ALL EROSION AND SEDIMENT CONTROL
   DEVICES AND REMOVE ACCUMULATED SILT FROM SUCH DEVICES SUCH THAT MORE THAN
   60% OF THEIR CAPACITY IS LOST. ALL THE SILT IS TO BE PLACED OUTSIDE THE LIMIT OF
   WORKS. THE PERIOD FOR MAINTAINING THESE DEVICES SHALL BE AT LEAST UNTIL ALL
   DISTURED AREAS ARE REVECETATED AND FURTHER AS MAY BE DIRECTED BY THE
   SUPERINTENDENT OR COUNCIL
   E5. LAY TURF STRIP, (MN 300 WIDE) ON 100 TOPSOIL BEHIND ALL KERB WITH 1000 LONG
   RETURNS EVERY 8000 AND AROUND STRUCTURES IMMEDIATELY AFTER BACKFILLING AS
   PER THE RELEVANT LOCAL AUTHORITY SPECIFICATION.
   E6. THE CONTRACTOR SHALL GRASS SEED ALL DISTURBED AREAS WITH AN APPROVED MIX AS
   SOON AS PRACTICABLE AFTER COMPLETION OF EARTHWORKS AND REGRADING.
   WHERE POSSIBLE TO NOMINATED STABILISED ACCESS POINTS.
   WHERE POSSIBLE TO NOMINATED STABILISED AVER SON.

- STABLE CONDITION. THE CONTRACTOR SHALL IMPLEMENT DUST CONTROL BY REGULAR WETTING DOWN (BUT B9.
- NOT SATURATING) DISTURBED AREA. PROVIDE AND MAINTAIN SILT TRAPS AROUND ALL SURFACE INLET PITS UNTIL CATCHMENT B10.
- IS REVEGETATED OR PAVED. REVEGETATE ALL TRENCHES IMMEDIATELY UPON COMPLETION OF BACKFILLING. ALL DRAINAGE PIPE INLETS TO BE CAPPED UNTIL
- DOWNPIPES CONNECTED

- PITS CONSTRUCTED AND PROTECTED WITH SILT BARRIER

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## SYMBOLS

	DESCRIPTION
	DENOTE ON-SITE DETENTION TANK OR PUMP OUT TANK
	DENOTE ON-SITE DETENTION BASIN
133333	DENOTE ABSORPTION TRENCH
ODP	DENOTES DOWNPIPE
Ø100	DENOTES 100mm DIA PVC (SEWER GRADE) AT 1% MIN. GRADE U.N.O
Ø150	DENOTES 150mm DIA PVC (SEWER GRADE) AT 1% MIN. GRADE U.N.O
Ø225	DENOTES 225mm DIA PVC (SEWER GRADE) AT 0.5% MIN. GRADE U.N.O
	DENOTES AGG LINE
	DENOTES SEDIMENT FENCE
IPo	DENOTES INSPECTION OPENING WITH SCREW DOWN LID AT FINISH SURFACE LEVEL
0	DENOTES CLEANING EYE
	STORMWATER PIT - GRATED INLET
	STORMWATER PIT - SOLID COVER
co	MAINTENANCE PIT
M	NON RETURN VALVE
FD	DENOTE ROUND FLOOR DRAINS
.FD	DENOTE SQUARE FLOOR DRAINS
PB ()	DENOTE PLANTER BOX DRAINS
	DENOTE GRATED DRAIN
RL 6.20	PROPOSED FINISH FLOOR LEVEL
>>>	DENOTE EXISTING OVERLAND FLOW PATH
( <u>.</u> )	DENOTE RAINWATER TANK
O/F	DENOTE WATER OUTLET
RL	REDUCED LEVEL/SURFACE LEVELL
IL.	INVERT LEVEL
тк	TOP OF KERB



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(02) 8004 7461 24A Burleigh St,

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## PROJECT

PROPOSED DEVELOPMENT 6 EDITH ST. KINGSWOOD

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WHERE INSUFFICIENT COVER IS PROVIDED, THE PIPE SHALL BE COVERED AT LEAST Somm THICK OVERLAY AND SHALL BE PAVED WITH AT LEAST. 150mm REINFORCED CONCRETE WHERE SUBJECT TO HEAVY VEHICLE TRAFFIC 75mm THICKNESS OF BRICK OR 100mm OF CONCRETE PAVING WHERE SUBJECT TO LIGHT VEHICLE TRAFFIC: OR 50mm THICK BRICK OR CONCRETE PAVING WHERE NOT SUBJECT TO VEHICLE TRAFFIC.

DEPTH (mm)	MINIMUM PIT SIZE (mm)
UP TO 450mm	450 x 450
450mm TO 600mm	600 x 600 U.N.O
600mm TO 900mm	600 x 900 U.N.O
FROM 900mm	900 x 900 (WITH STEP IRON)

PIT SIZES AND DESIGN

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(02) 9745 5202 Info@alphaengineering.com.au www.alphaengineering.com.au

## SCHEDULE OF DRAWINGS

SHEET No	DESCRIPTION
COVER	GENERAL NOTES
SW01	SEDIMENT AND EROSION CONTROL PLAN
SW02	BASEMENT DRAINAGE PLAN
SW03	GROUND FLOOR DRAINAGE PLAN
SW04	FIRST AND ROOF DRAINAGE PLAN
SW05	STORMWATER SECTIONS AND DETAILS



5 pages is This and the following the annexure marked " C " referred to in the Affidavit of Anthony Boskovitz sworn / affirmed day of J- 4 2020 Sist at Edgecliff this

Solicitor / Kathenne Boskovitz Tiffany Stollar





## **ISSUED FOR S34**

DRAWING TITLE

**GENERAL NOTES** 

SCALES AS SHOWN DRAWING NO. A9204 - COVER

DESIGNED SH APPROVED JM

DRAFTED PS REVISION J



AT THE FRONT OF THE PROPERTY CONSISTING OF 50-75 AGGREGATE OR SIMILAR MATERIAL AT A MINIMUM THICKNESS OF 150 LAID OVER NEEDLE-PUNCHED GEOTEXTILE FABRIC AND CONSTRUCTED PRIOR TO COMMENCEMENT OF WORKS. THE CONTRACTOR SHALL ENSURE THAT NO SPOIL OR FILL

FABRIC EMBEDDED 200 IN SOIL MATERIAL AND SCREENED BY SEDIMENT FENCING. SOL CONSERVATION NOTE: PRIOR TO COMMENCEMENT OF CONSTRUCTION PROVIDE 'SEDIMENT FENCE, 'SEDIMENT TRAP' AND WASHOUT AREA TO ENSURE THE CAPTURE OF WATER BORNE MATERIAL GENERATED FROM THE SITE. MAINTAIN THE ABOVE DURING THE COURSE OF CONSTRUCTION, AND CLEAR THE 'SEDIMENT TRAP AFTER EACH STORM. SEDIMENT TRAP 1000 × 1000 WIDE 500 DEEP PIT, LOCATED AT THE LOWEST POINT TO THE TRAP SEDIMENT.

WASHOUT AREA

& EQUIPMENTE BOA 250

SEDIMENT FENCE PROVIDE 'SEDIMENT SHOWN ON PLAN, LOWER EDGE

> OVERLAPPI POST DRIVEN 600 INTO THE GROUND

RUNOFF

STAKES DRIVEN 600 INTO THE GROUND WITH FIRST STAKE ANGLED TOWARDS PREVIOUSLY GEOTEXTILE FILTER FABRIC

FASTEN ON TOP EDGE

DISTURBED AREA RUNOFF

100 00

DRAINAGE AREA 0.5 HA, MAX, SLOPE GRADIENT 1:2 MAX, SLOPE LENGTH 50m. VEHICLE ACCESS TO SITE VEHICLE ACCESS TO THE BUILDING SITE RESTRICTED TO A SINGLE POINT SO AS AMOUNT OF SOIL DEPOSITED ON THE S

GEOTEXTILE FARRIC

## SEDIMENT & EROSION CONTROL PLAN

1:100 @ A1

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SAUSAGE BARRIER IN

MITH NOTES

GUTTER IN AROUND SAG

CONSTRUCT STABLISED TEMPORARY ENTRY/EXIT TO COUNCIL'S REQUIREMENTS

STREET

EDITH



RECYCLE

STOCK PILE

AMENITIES

RIN

SEDIMENT

CONTROL FENCE

Phone:	(02) 9745 5202
Fax:	(02) 8004 7461
Email:	Info@alphaengineering.com.au
Address:	24A Burleigh St,
	Burwood NSW 2134
Website:	www.alphaengineering.com.au
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	Phone:	(02) 9/45 :
	Fax:	(02) 8004
	Email:	Info@alph
	Address:	24A Burle
		Burwood I
	Website:	www.alpha
DEVELOPMENT	ENGINEERIN	THIS DRAWIN IG & DEVELOPI ITHOUT ALPHA

1.4	Fax:	(02) 8004 7461
	Email:	Info@alphaenginee
	Address:	24A Burleigh St,
		Burwood NSW 2134
43.3	Website:	www.alphaengineer
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SEDIMENT CONTROL FENCE

SEDIMENT AND EROSION CONTROL SHALL BE EFFECTIVELY MAINTAINED AT ALL TIMES DURING THE COURSE OF CONSTRUCTION AND SHALL NOT BE REMOVED UNTIL THE SUPERINTENDENT'S SATISFACTION. A SINGLE ALL WEATHER ACCESS WAY WILL BE PROVIDED AT THE FRONT OF THE PROPERTY CONSISTING OF 50-75 ACCERCATE OF SIMILAR MATERIAL A UNIVALIW

COMMERVEMENT OF THO TROTTED THE CONTRACTOR SHALL ENSURE THAT NO SPOIL OR FILL ENCROACHES UPON ADJACENT AREAS FOR THE DURATION OF WORKS. THE CONTRACTOR SHALL ENSURE THAT KERB INLETS AND DRAINS RECEIVING STORMWATER SHALL BE PROTECTED AT ALL TIMES DURING DEVELOPMENT, KERB INLET SEDIMENT TRAPS SHALL BE INSTALLED ALONG THE IMMEDIATE VICINITY ALONG THE STREET FRONTAGE. SEDIMENT FENCING SHALL BE SECURED BY POST (WHERE METAL STAR PICKETS ARE USED PLASTIC SAFETY CAPS SHALL BE USED) AT 2000 INTERVALS WITH GEOTEXTILE FABRIC EMBEDDED 20 001 NSOLL.

ALL TOPSOIL STRIPPED FROM THE SITE AND STOCKPILED DOES NOT INTERFERE WITH DRAINAGE LINES AND STORMWATER INLETS AND WILL BE SUITABLY COVERED WITH AN IMPERVIOUS MEMBRANE

RD	FILTERING	
x 50	SAND 100	
EG		
(1.1.1.4 V)	EARTH	
	DOWN SLOPE BOUNDARY	
	o MAX.	
NG	00	
:00		

GEOTEXTILE FABRIC

MATERIAL AND SCREENED BY SEDIMENT FENCING.

TO BE 1800 x 1800 ALLOCATED FOR THE WASHING OF TOOL

GENERAL NOTES

THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH OTHER CONSULTANTS' DRAWINGS AND SPECIFICATIONS AND WITH OTHER SUCH WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT. ANY DISCREPANCY SHALL BE REFERRED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.

ALL DIMENSIONS ARE IN MILLIMETRES & ALL LEVELS ARE IN METRES, UNO (UNLESS NOTED OTHERWISE)

NO DIMENSION SHALL BE OBTAINED BY SCALING THE DRAWINGS.

ALL LEVELS AND SETTING OUT DIMENSIONS SHOWN ON THE DRAWINGS SHALL BE CHECKED ON SITE PRIOR TO THE COMMENCEMENT OF THE WORK

DURING EXCAVATION WORK THE STRUCTURE SHALL BE MAINTAINED IN A STABLE AND NO PART SHALL BE OVERSTRESSED.

ALL WORK IS TO BE UNDERTAKEN IN ACCORDANCE WITH THE DETAILS SHOWN ON THE DRAWINGS & THE SPECIFICATION.

EXISTING SERVICES WHERE SHOWN HAVE BEEN PLOTTED FROM SUPPLIED DATA AND SUCH THEIR ACCURACY CAN NOT BE GUARANTEED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH THE LEVEL OF ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF WORK.

ALL SERVICE TRENCHES UNDER VEHICULAR PAVEMENTS SHALL BE BACK FILLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL COUNCIL.

ALL TRENCH BACK FILL MATERIAL SHALL BE COMPACTED TO THE SAME DENSITY AS THE ADJACENT MATERIAL.

ON COMPLETION OF STORMWATER INSTALLATION, ALL DISTURBED AREAS MUST BE RESTORED TO ORIGINAL CONDITION, INCLUDING KERBS, FOOTPATHS, CONCRETE AREAS, GRAVEL AND GRASSED AREAS AND ROAD PAVEMENTS, UNLESS DIRECTED OTHERWISE.

CONTRACTOR TO OBTAIN ALL AUTHORITY APPROVALS UNLESS DIRECTED OTHERWISE.

#### STORMWATER DRAINAGE

THE STORMWATER DRAINAGE DESIGN HAS BEEN CARRIED OUT IN THE STORWWATER URAINAGE DESIGN HAS BEEN CARRIED OUT IN ACCORDANCE WITH ASINZS 3500.3. 1990 "STORWWATER DRAINAGE" & ASINZS 3500.3.2.1998 "STORWWATER DRAINAGE - ACCEPTABLE SOLUTIONS".

ANY VARIATIONS TO THE NOMINATED LEVELS SHALL BE REFERRED TO ENGINEER IMMEDIATELY.

ANY VARIATIONS TO SPECIFIED PRODUCTS OR DETAILS SHALL BE REFERRED TO THE ENGINEER FOR APPROVAL.

DOWN PIPES SHALL BE A MINIMUM OF DN100 SW GRADE UPVC OR 100X100 COLORBOND/ZINCALUME STEEL, UNO.

BOX COLORBOND OR ZINCALUME STEEL. GUTTERS SHALL BE A MINIMUM OF 450 WIDE X 150 DEEP.

EAVES GUTTERS SHALL BE A MINIMUM OF 125 WIDE X 100 DEEP (OR OF EQUIVALENT AREA) COLORBOND OR ZINCALUME STEEL

 STRAW BALE AND
 SUBSOIL DRAINAGE SHALL BE PROVIDED TO ALL RETAINING WALLS &

 GEOTEXTILE
 EMBANKMENTS, WITH THE LINES FEEDING INTO THE STORMWATER

 SEDIMENT FILTER
 DRAINAGE SYSTEM,

BUILDING MATERIAL STOCKPILES

ALL STOCKPILES OF BUILDING MATERIAL SUCH AS SAND AND SOIL MUST BE PROTECTED TO PREVENT SCOUR AND EBOSIQUED NEVER BE PLACED IN THE STREET GUTTER WHERE THEY WILL WASH AWAY WITH THE FIRST RAINSTORM.

WATERPROOF COVERING UNDISTURBED AREA SEDIMENT FARTH BANK TO FENCE PREVENT SCOUR OF STOCKPILE XV LAND VIRONMENT SANDBAG KERB SEDIMENT TRAP IN CERTAIN CIRCUMSTANCES EXTRA SEDIMENT TRAPPING OUDR NEEDED IN THE STREET GUTTER. REDUCE THE PAVEMENT. 12 - 3 AUG 2020 BERM 200 HIGH, MIN. SANDBAG IN GUTTER INT INT RUNOFF

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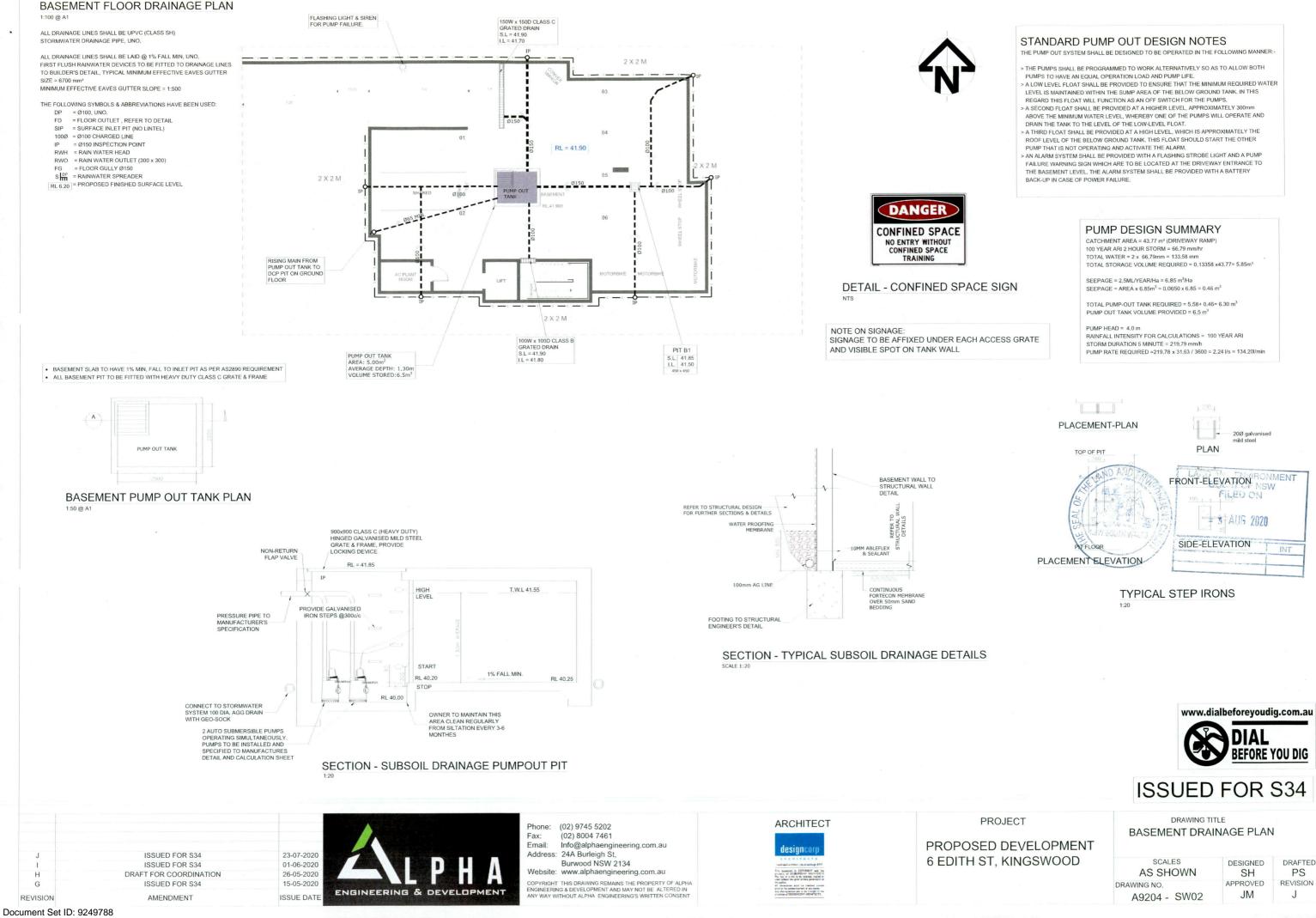
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SEDIMENT AND EROSION CONTROL PLAN SCALES DESIGNED AS SHOWN

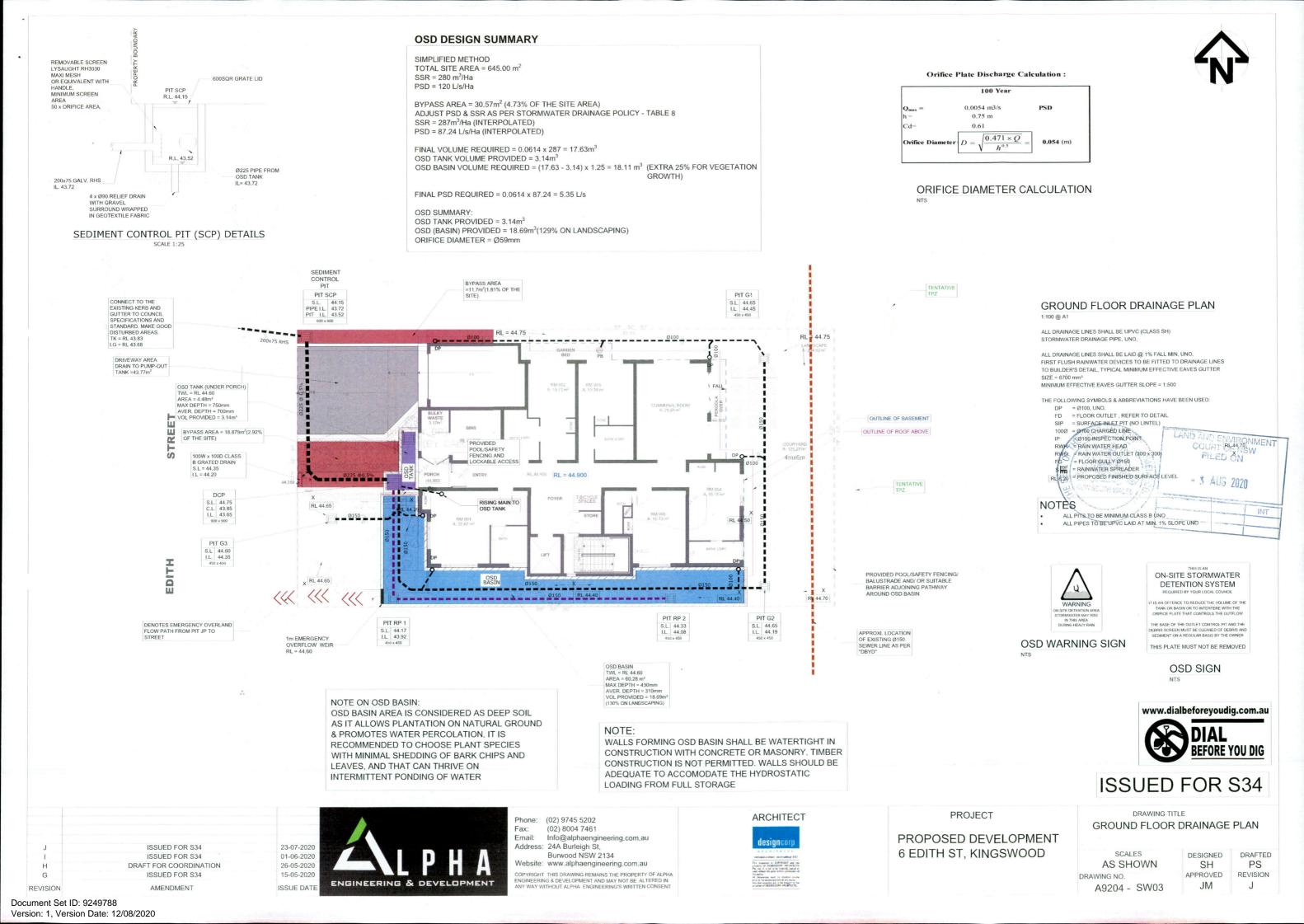
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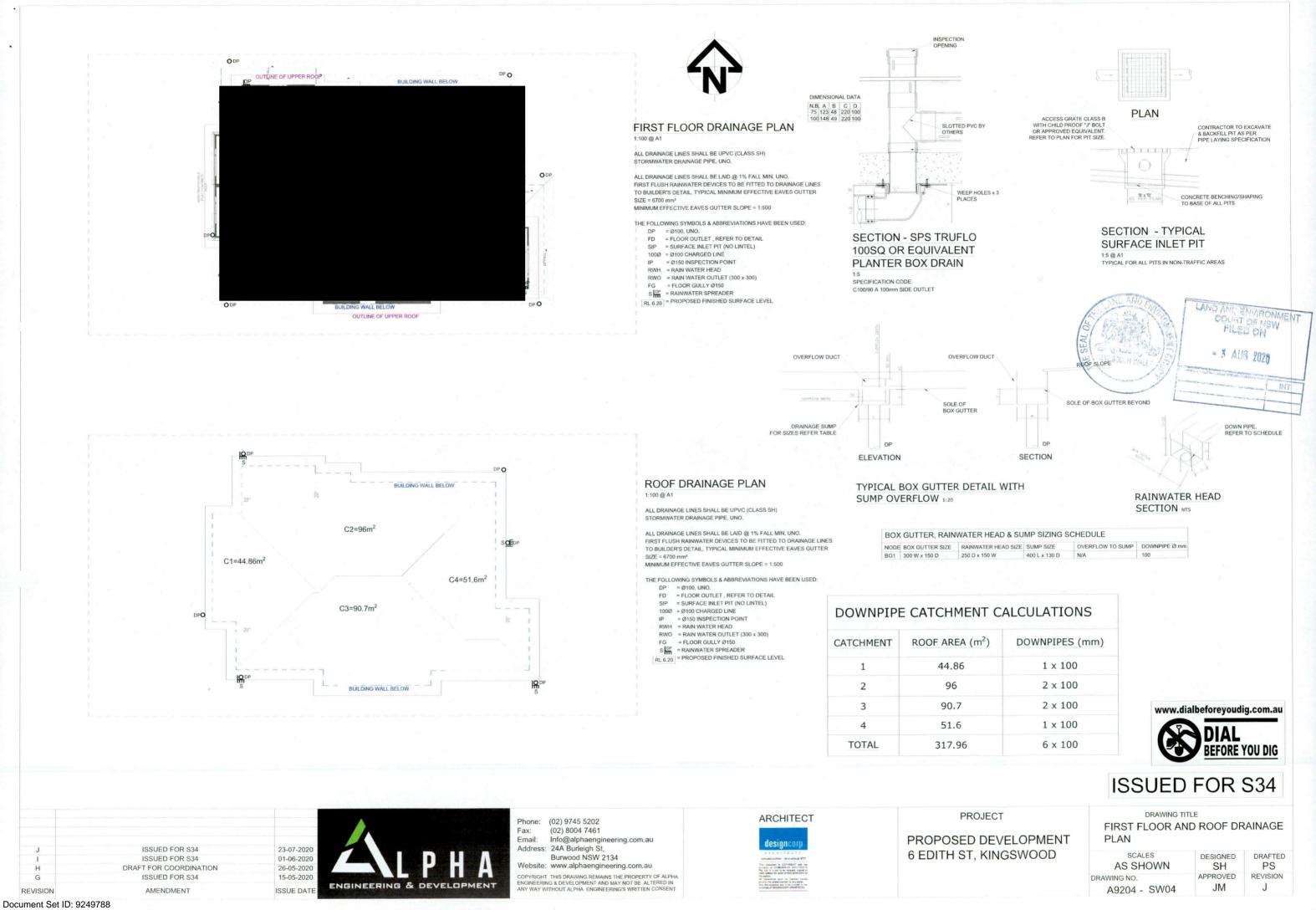
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Version: 1, Version Date: 12/08/2020





Version: 1, Version Date: 12/08/2020

BASIN SURFACE TO BE GRASS TURFED OR PAVED WITH NON-FLOATABLE MATERIAL BASIN SURFACE TO BE GRASS TURFED OR PAVED WITH NON-FLOATABLE MATERIAL OSD BASIN TVL = RL 44.60 AREA = 60.28 m<sup>2</sup> MAX DEPTH = 430mm AVER, DEPTH = 310mm VOL PROVIDED = 18.69m (130% ON LANDSCAPING) 450 SQ. LIGHT DUTY ACCESS GRATE WITH CHILDPROOF 'J' BOLT TOP OF WALL RL = 44.70 RL = 44.60 V MAX WATER LEVEL RL = 44.60 V MAX WATER LEVEL EMERGENCY OVER FLOW PIT RP 2 RL = 44.33 1% FALL TO PIT RL 44.40 RL = 44.40 1m EMERGENCY 1% FALL TO PIT 4.4% FALL TO PIT 1% FALL TO PIT OVERFLOW WEIR TO 4.4% FALL TO PIT OSD BASIN PIT RP 1 RL = 44.60 RL = 44.17 1% FALL TO PI IL = 44.08 1% FALL TO PIT -L = 43.93 1% FALL TO PIT 10 Ø90 AGG DRAIN Ø150 INLET FROM PIT RP2 Ø90 AGG DRAIN Ø150 OUTLET PIPE TO DCP PIT SECTION A - OSD AT OUTLET IL=43.93 SCALE 1:20 @ A1 STAINLESS STEEL "DYNA HED WEIR IL, 44,50 BOLTS" OR EQUIVALENT OUTLET PIPE GROUND FLOOR SLAB (PORCH ENTRY) R.L.44.90 NOTE ON OSD BASIN: BOND BREAKER TAPE & APPROVED SEALANT OSD BASIN AREA IS CONSIDERED AS DEEP SOIL REINFORCEMENT TO STOP REINFORCEMENT **`S IT ALLOWS PLANTATION ON NATURAL GROUND** STRUCTURA Ø54 DIAMETER CIRCULAR HOLE WITH SHARP EDGES MACHINED TO 0.5mm ACCURACY 3mm THICK STAINLESS STEEL PLATE (6mm WHERE ORIFICE Ø EXCEEDS 150mm) WITH CIRCULAR HOLE MACHINES TO 0.5mm ACCURACY AND SHARP-EDGED ENGINEER'S DETAILS **50 CLEAR OF JOINT** . PROMOTES WATER PERCOLATION. IT IS RECOMMENDED TO CHOOSE PLANT SPECIES BASEMENT WALL WITH MINIMAL SHEDDING OF BARK CHIPS AND IL = 43.87 LEAVES, AND THAT CAN THRIVE ON 30\_\_\_\_ INTERMITTENT PONDING OF WATER TYPICAL DETAIL ORIFICE PLATE KEY JOINT-K.J. KEYWAY DETAIL RH3030 MAXIMESH SCREEN, LONG AXIS OF THE OVAL SHAPED HOLES SHOULD BE PLACED HORIZONTAL, WITH THE PROTRUDING LIP OF EACH HOLE FACING DOWNWARDS AND UPSTREAM Ø150 PIPE FROM PIT RP1 CONNECTED TO DCP PIT WITH SECTION - TYPICAL GRATED RETURN FLAP VALVE NON-RETURN VALVE DRAIN AT THE OUTLET Ø150 PIPE FROM PIT 1:20 PROVIDED POOL/SAFETY FENCING AND LOCKABLE ACCESS G2 CONNECTED TO DCP PIT HANDLE OSD BASIN TVL = RL 44.60 AREA = 60.28 m<sup>2</sup> MAX DEPTH = 430mm AVER. DEPTH = 310mm VOL PROVIDED = 18.69m<sup>3</sup> (130% ON LANDSCAPING) 2100 MIN TOW RL 44.70 SCALE 1:20 @ A1 BRACKET ON PIT WALL X OSD TANK (UNDER PORCH) TWL = RL 44.60 AREA = 4.48m<sup>2</sup> MAX DEPTH = 750mm 44 29 AVER. DEPTH = 700mm VOL PROVIDED = 3.14m<sup>3</sup> NOTE: STEP DOWN ACCESS **DETAIL - STANDARD TRASH** WALLS FORMING OSD BASIN SHALL BE WATERTIGHT IN SCREEN CONSTRUCTION WITH CONCRETE OR MASONRY. TIMBER 900 SQ. LIGHT DUTY 1:20 CONSTRUCTION IS NOT PERMITTED. WALLS SHOULD BE 01 ADEQUATE TO ACCOMODATE THE HYDROSTATIC WITH FRAME WITH 0 CHILDPROOF 'J' BOLT LOADING FROM FULL STORAGE MIN TOW RL 44.70 **MIN TOW RL 44.70** MIN TOW RL 44.70 OSD BASIN RL 44.40 Ø150 Ø150 6----- Ø159 RL 44.40 -----Ø150 INLET PIPE FROM PIT G2 CONNECTED TO DCP PIT MIN TOW RL 44.70 1m EMERGENCY PIT RP 2 OVERFLOW WEIR RL = 44.60 Ø90mm AGG LINE PIT RP 1 S.L. 44.33 I.L. 44.08 Ø90mm AGG LINE S.L. 44.17 I.L. 43.92 OSD BASIN PLAN SCALE 1:50 PROJECT ARCHITECT (02) 9745 5202 Phone: (02) 8004 7461 Fax: Info@alphaengineering.com.au PROPOSED DEVELOPMENT Email: designco Address: 24A Burleigh St, **ISSUED FOR S34** 23-07-2020 6 EDITH ST, KINGSWOOD Burwood NSW 2134 **ISSUED FOR S34** 01-06-2020 Website: www.alphaengineering.com.au This document is COFVEIGHT and the response of EXISTERNOV AUCONTROLS by U.S. II is not in the relatived, copied or not without the prior written personale of DRAFT FOR COORDINATION 26-05-2020 н COPYRIGHT THIS DRAWING REMAINS THE PROPERTY OF ALPHA ENGINEERING & DEVELOPMENT AND MAY NOT BE ALTERED IN ANY WAY WITHOUT ALPHA ENGINEERING'S WRITTEN CONSENT 15-05-2020 G **ISSUED FOR S34** to author, if discussions must be checked and more to the commencement of any aprils ing discrepancies are to be transfel to to forming of DESIGN/CORP ARCHITECTS. ENGINEERING & DEVELOPMENT AMENDMENT ISSUE DAT REVISION

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Version: 1, Version Date: 12/08/2020

