



MORNINGTON  
PENINSULA  
*Shire*

Ref: Eng23/0014

**FOR COUNCIL INSPECTIONS PHONE (03) 5950 1040.**

**A COPY OF THIS APPROVAL AND STAMPED PLANS MUST BE HELD ON SITE AT ALL TIMES.**

30 May 2024

JDS Civil Design & Surveys Pty Ltd  
Unit 35, 16 Dunstons Court  
THOMASTOWN VIC 3074

Email: [jayden@jdscivils.com.au](mailto:jayden@jdscivils.com.au)

Dear Jayden

**PLANNING PERMIT P22/3046  
5 PALM GROVE DROMANA VIC 3936  
ENGINEERING APPROVAL WITH APPROVED PLANS**

I advise the plans No. JDSS3222 Drawing C1 and C2 Revision B for drainage connection into the existing underground system within Dalworth Avenue, drainage detention within the site, vehicle crossing/s and internal driveway on the above project are in general accordance with conditions of the planning permit and are approved, **subject to notes in red on approved plans.**

As part of your development, you will need to obtain written consent to conduct any works in, on, under or over a road or Council land.

Permits required may include:

- Vehicle Crossing
- Road Opening/Drainage connections works
- Occupy Road/Council land
- Hoarding
- Tree removal/Landscaping

To apply for any of these permits, please visit the [Engineering](#) page on the Shire's website.

Council inspections are required:

- Prior to commencement of any works on site
- Prior to the backfilling of any connections to Council's drainage pipes
- Prior to pouring of concrete drainage pits within the road reserve and drainage easement
- Prior to pouring of concrete or laying of pavement for new vehicle crossing(s)
- At the completion of works on site

Please ensure the consultant or works supervisor is on site to carry out a joint inspection with Council's supervising officer.

Please note the following:



**MORNINGTON  
PENINSULA**  
*Shire*

- All works and materials are to conform to the current Australian Standards, the requirements of the Mornington Peninsula Shire Council, and any other relevant authority.
- Council does not accept any responsibility for any errors or omissions in the plans or errors discovered during the execution of works.
- If the works cannot comply with the approved plans or permits, it is the responsibility of the developer and/or their consultant to resolve these issues to the satisfaction of Council and any other relevant authority.

This information is to be given to contractors engaged to undertake works.

Yours faithfully,

Bhupinder Gill

**DEVELOPMENT ENGINEER**

**Development Engineering – MORNINGTON PENINSULA SHIRE**

E: [Development.Engineering@mornpen.vic.gov.au](mailto:Development.Engineering@mornpen.vic.gov.au)

Enclosed:

- i. Approved Plans
- ii. Construction Management Plan - [Construction Management Plan \(CMP\) - Mornington Peninsula Shire \(mornpen.vic.gov.au\)](#)



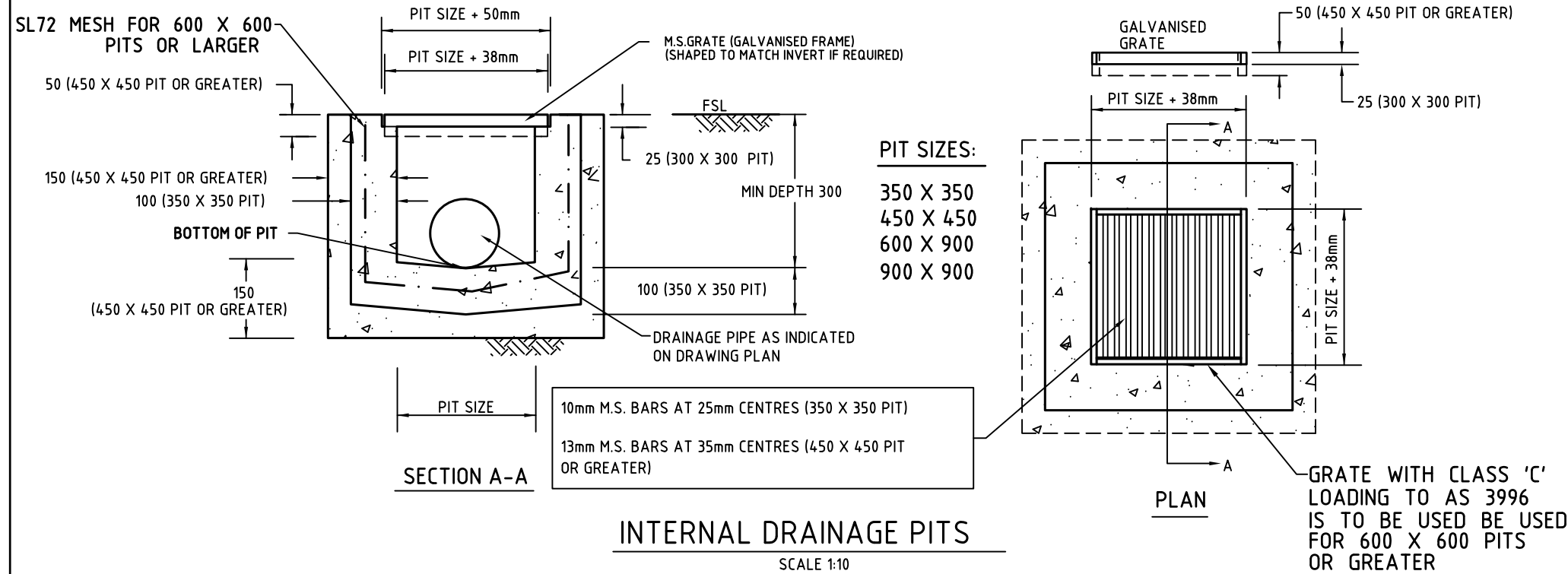
GENERAL NOTES

- THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE APPROVED TOWN PLANNING & BUILDING PLANS FOR THIS UNIT DEVELOPMENT INCLUDING ADDITIONAL PAVEMENT DETAILS AND TEMPORARY BENCHMARKS FOR PROPOSED AND EXISTING LEVELS AND CONTOURS
- BEFORE COMMENCING WORK ON TRENCHES IN EXCESS OF 1.5m DEEP, NOTICE OF SUCH PROPOSAL IS TO BE SENT TO THE SECRETARY OF MINERALS & ENERGY IN ACCORDANCE WITH CLAUSE 202 OF THE MINES & TRENCHES REGULATIONS 1982.
- 150Ø PIPES WILL BE SEWER CLASS QUALITY U.P.V.C
- ALL PIPES 225Ø AND OVER TO BE RUBBER RING JOINTED CLASS 2 REINF. CONC. OR FIBRE REINF. CONC. PIPES UNLESS SHOWN OTHERWISE.
- ALL DRAINAGE TRENCHES UNDER RIGID PAVEMENTS TO BE BACK FILLED WITH CLASS 3 F.C.R UNLESS SHOWN OTHERWISE
- THE CONTRACTOR SHALL TAKE ALL REASONABLE CARE TO PRESERVE THE SURVEY MARKS.
- CONTRACTOR TO VERIFY SITE DIMENSIONS PRIOR TO COMMENCEMENT OF WORK.
- UNHATCHED AREAS WITHIN PROPERTY ALSO REPRESENT NON-PERMEABLE SURFACES
- EX. SUB-GRADE UNDER PROPOSED CONCRETE DRIVEWAY IS TO BE COMPACTED AS PER AS 1289 5.1.1 TO 98% SMD WITHIN +2% OF OPTIMUM MOISTURE CONTENT
- ANY SOFT SPOTS UNDER PROPOSED DRIVEWAY TO BE EXCAVATED OUT AND BACKFILLED WITH CLASS 3, 20mm NOM SIZE CRUSHED ROCK COMPACTED IN MAXIMUM 150mm LAYERS AND AS PER AS 1289 5.1.1 TO 98% SMD

- PITS OVER 1.0m DEEP TO BE PROVIDED WITH 20mm GALV. MILD STEEL STEP IRONS AT 300mm CENTRES
- ALL WORK SHALL BE IN ACCORDANCE WITH ALL RELEVANT LOCAL AUTHORITIES REQUIREMENTS
- ALL TOP OF PIT LEVELS REFER TO TOP OF PIT COVER AND/OR TOP OF KERB LEVEL
- ALL PITS AND DRAINAGE CONNECTIONS TO BE CONSTRUCTED AND CARRIED OUT AS PER LOCAL COUNCIL STANDARDS, SPECIFICATIONS AND REQUIREMENTS
- IT IS A REQUIREMENT THAT ALL TRAFFICABLE PITS BE PROVIDED WITH BICYCLE SAFETY GRATES
- ALL A.G DRAINS TO BE 100Ø P.V.C LAID AT 1 in 100 MIN GRADE UNLESS SHOWN OTHERWISE WITH 200mm MIN COVER AT PIT
- THE LOCATION OF EXISTING SERVICES SHOULD BE DETERMINED BY THE CONTRACTOR PRIOR TO ANY EXCAVATION BY CONTACTING ALL LOCAL AUTHORITIES. ANY EXISTING SERVICES SHOWN ON THE DRAWINGS ARE OFFERED AS A GUIDE ONLY & ARE NOT GUARANTEED AS CORRECT.
- ALL LINE MARKING TO BE APPROVED LONG LIFE THERMOPLASTIC PAINT

SERVICE AUTHORITIES:

MELBOURNE ONE CALL SERVICE 1100



ADDITIONAL NOTES:

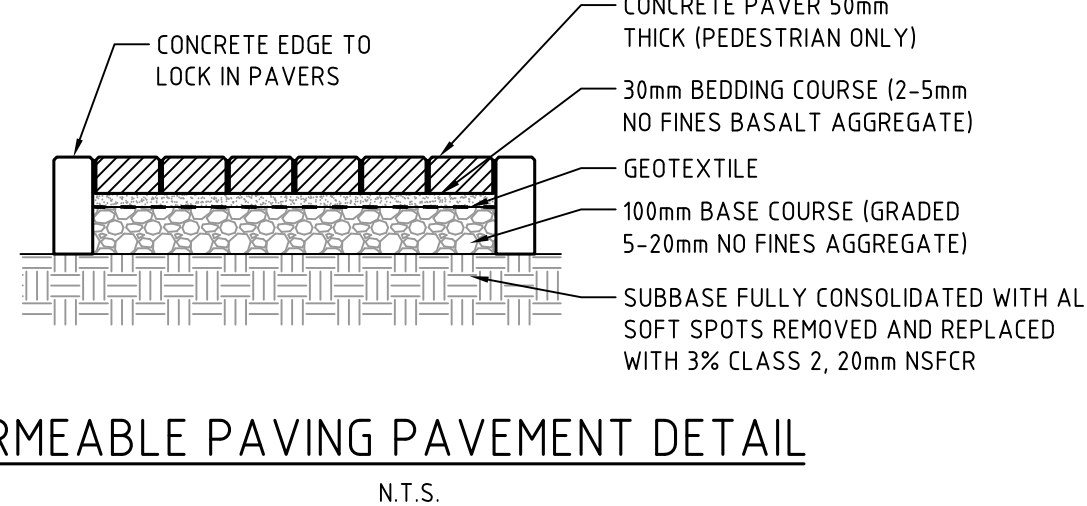
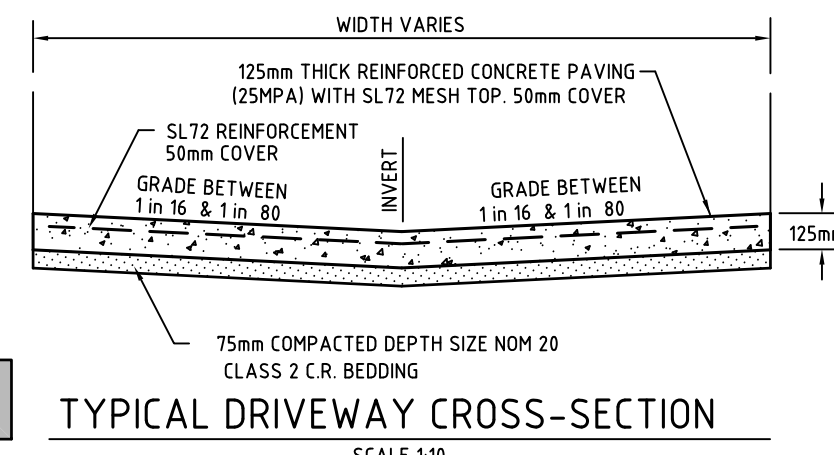
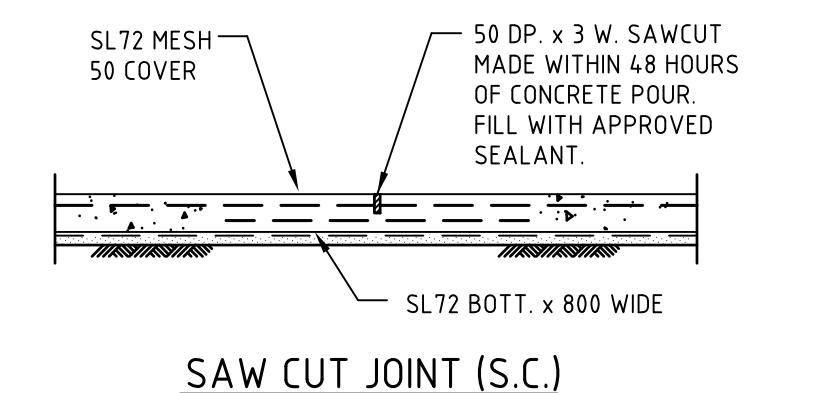
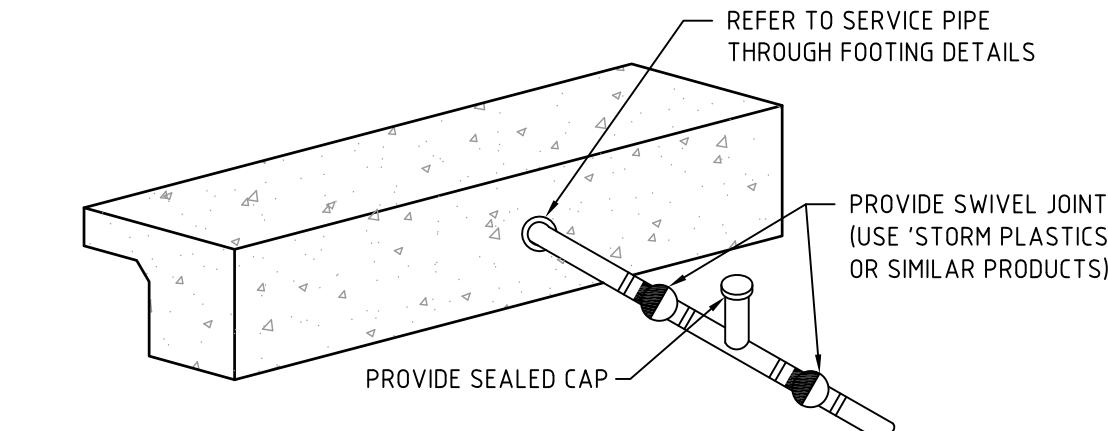
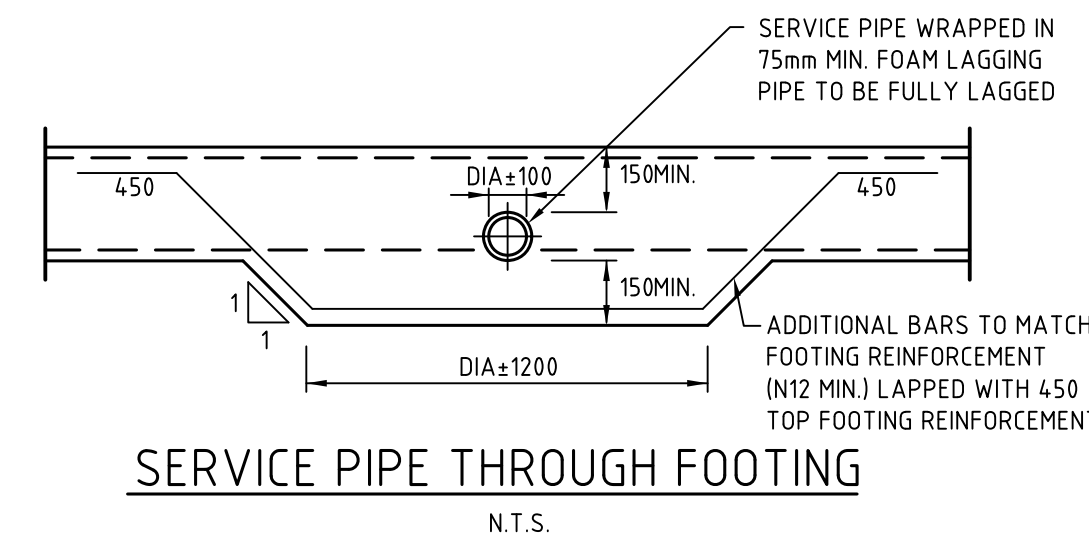
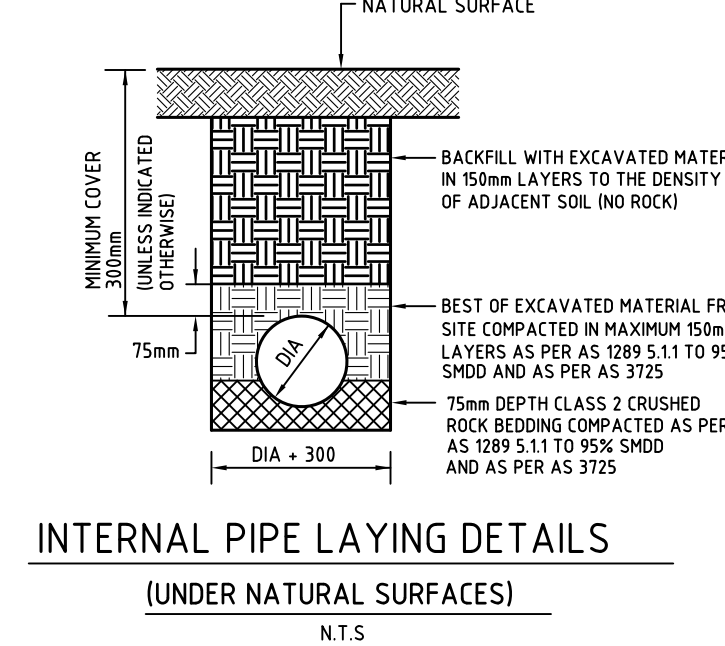
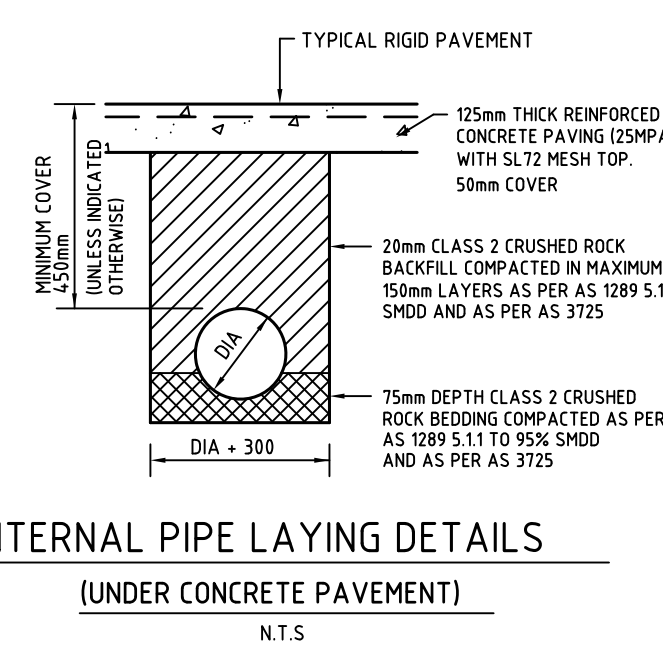
- ANY FOOTPATHS, DRIVEWAYS, KERBS, RIGHT-OF-WAYS OR EXISTING FEATURES DISTURBED, BROKEN OR AFFECTED BY THE WORKS ARE TO BE REINSTATED TO THE COMPLETE SATISFACTION OF COUNCIL'S CONSTRUCTION SUPERVISOR
- ALL CONCRETE TO BE SAWCUT AND BROKEN OUT TO NEAREST JOINT
- NO TREE ROOT SHALL BE CUT WITHOUT THE SPECIFIC PERMISSION OF COUNCIL'S CONSTRUCTION SUPERVISOR



REGISTERED Building Practitioner



The Essential First Step



ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE CURRENT MORNINGTON PENINSULA SHIRE SPECIFICATIONS AND STANDARD DRAWINGS AND TO THE SATISFACTION OF THE CONSTRUCTION AND ASSET PROTECTION TEAM

A CONSTRUCTION MANAGEMENT PLAN (CMP) MUST BE SUBMITTED TO, AND APPROVED BY COUNCIL 15 BUSINESS DAYS PRIOR TO THE COMMENCEMENT OF ANY WORKS ON SITE AND ALL WORKS MUST BE CARRIED OUT IN ACCORDANCE WITH THIS CMP

ALL EXISTING DRAINAGE FROM EX. RESIDENCE IS TO BE CHECKED AND ENSURED THAT IT IS IN PROPER WORKING ORDER, ALL CONNECTED VIA A 90Ø OR 100Ø PIPE AND DISCHARGED TO THE NEW DRAINAGE SYSTEM AS SHOWN ON THE PLANS WITH A MINIMUM GRADE OF 1 in 100

EX. DRAINAGE ALIGNMENTS SHOWN FOR THE EXISTING RESIDENCE ARE INDICATIVE ONLY. ALIGNMENTS COULD DIFFER ON SITE ONCE PROVEN HOWEVER THE ABOVE NOTE REGARDING THE EXISTING DRAINAGE TO BE IN PROPER WORKING ORDER AND THAT IT IS TO BE CONNECTED TO THE NEW DRAINAGE SYSTEM IS TO BE STRICTLY FOLLOWED.

ALL THE PROPOSED REGULAR WATER TANKS ARE REQUIRED TO BE CONNECTED TO REGULAR USE IE WC FLUSHING ETC. BY A PUMP SYSTEM AND THE OVERFLOW BEING CONNECTED TO THE REGULAR DRAINAGE LINE

NOTE: THE CONTRACTOR TO CONFIRM ALL BEND OF PROPOSED DRAINAGE TO BE CONNECTED TO NEAREST PITS AS PER LATEST AUSTRALIAN STANDARDS AS3500 AND LATEST PLUMBING CODE AUSTRALIA STANDARDS

FINISHED SURFACE LEVEL TO BE SLOPED AWAY FROM PROPOSED UNIT & SLOPED TOWARDS NEAREST PITS

TOTAL ROOF CATCHMENT AREA FOR EXISTING PROPOSED DWELLING TO WATER TANKS IS 99m²

FOR MPSC APPROVAL SEE SHEET 2

STOP OPTIC FIBRE  
OPTIC FIBRE CABLE PRESENT IN THIS AREA. REFER TO DUTY OF CARE AND CONTACT 1800 626 329 AT LEAST 2 BUSINESS DAYS BEFORE COMMENCING ANY WORKS

WARNING  
ALL SERVICES SHOWN ON THESE DRAWINGS ARE APPROXIMATE ONLY AND EXACT LOCATION IS TO BE CONFIRMED ON SITE BY CONTRACTOR PRIOR TO COMMENCEMENT OF ANY WORKS.

Any redundant pop holes to be reinstated to the satisfaction of the Responsible Authority

A ROAD OPENING / DRAINAGE CONNECTION PERMIT must be obtained for any works external to the site or within an easement.  
A COUNCIL INSPECTION must be arranged PRIOR TO THE COMMENCEMENT OF WORKS by contacting the Asset Protection Team on (03) 9550 1040.

NOTE: EXCAVATE AND FILL SITE OVER BUILDING AREA TO REDUCE FALL. PROVIDE A.G. DRAIN TO BASE OF CUT AND CONNECT INTO S.W.D VIA A SILT PIT.

ALL INTERNAL DRAINAGE TO BE CONSTRUCTED AS PER AUSTRALIAN STANDARD AS3500-PART 3-2018

ANY DRAINAGE PIPE WITH NO GRADE SHOWN IS TO HAVE A MINIMUM GRADE OF 1 in 100

EX. SIDE ENTRY PIT  
EX. TOP 3.500 IN 2.650  
EX. IN 2.330  
EX. OUT 2.250

BREAK INTO EXISTING SIDE ENTRY PIT AND MAKE GOOD AS PER MORNINGTON PENINSULA SHIRE STANDARDS AND REQUIREMENTS

EX. SIDE ENTRY PIT DEPTH HAS BEEN CONFIRMED ON 28-05-2024

IMPORTANT NOTE:  
DEPTH AND EXACT LOCATION OF ALL UNDERGROUND SERVICES MUST BE CONFIRMED PRIOR TO COMMENCEMENT OF DRAINAGE WORKS

OUTFALL DRAIN MUST BE INSTALLED PRIOR TO INSTALLATION OF INTERNAL DRAINAGE WORKS

SAWCUT AND REINSTATE SECTION OF EX. BRICK DRIVEWAY TO EXISTING CONDITION OR BETTER TO ALLOW FOR DRAINAGE WORKS

PLAN  
SCALE H 1:100 FOR A1 SIZE PRINT

WARNING  
BEWARE OF UNDERGROUND SERVICES

THE LOCATION OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.

DESIGN BY:  
**JDS** Civil Designs & Surveys  
Performance - Quality - Reliability  
Unit 35, 16 DUNSTONS COURT THOMASTOWN VIC 3074  
ABN 56 846 053 738 RBP No. DP-SO 17469  
1 9403 6000 1 9403 6001 m 0416 052 572

PROPOSED DRAINAGE FOR A PROPOSED DWELLING AT  
**No. 5 PALM GROVE DROMANA**  
(MELWAY REF: 160, A6)

CLIENT:  
HOWSE STUDIO PTY LTD  
P.O. BOX 3197 PRAHRAN EAST VIC 3181  
PH: 0401 885 395  
FILE NAME: JDSS3222-C1.DWG

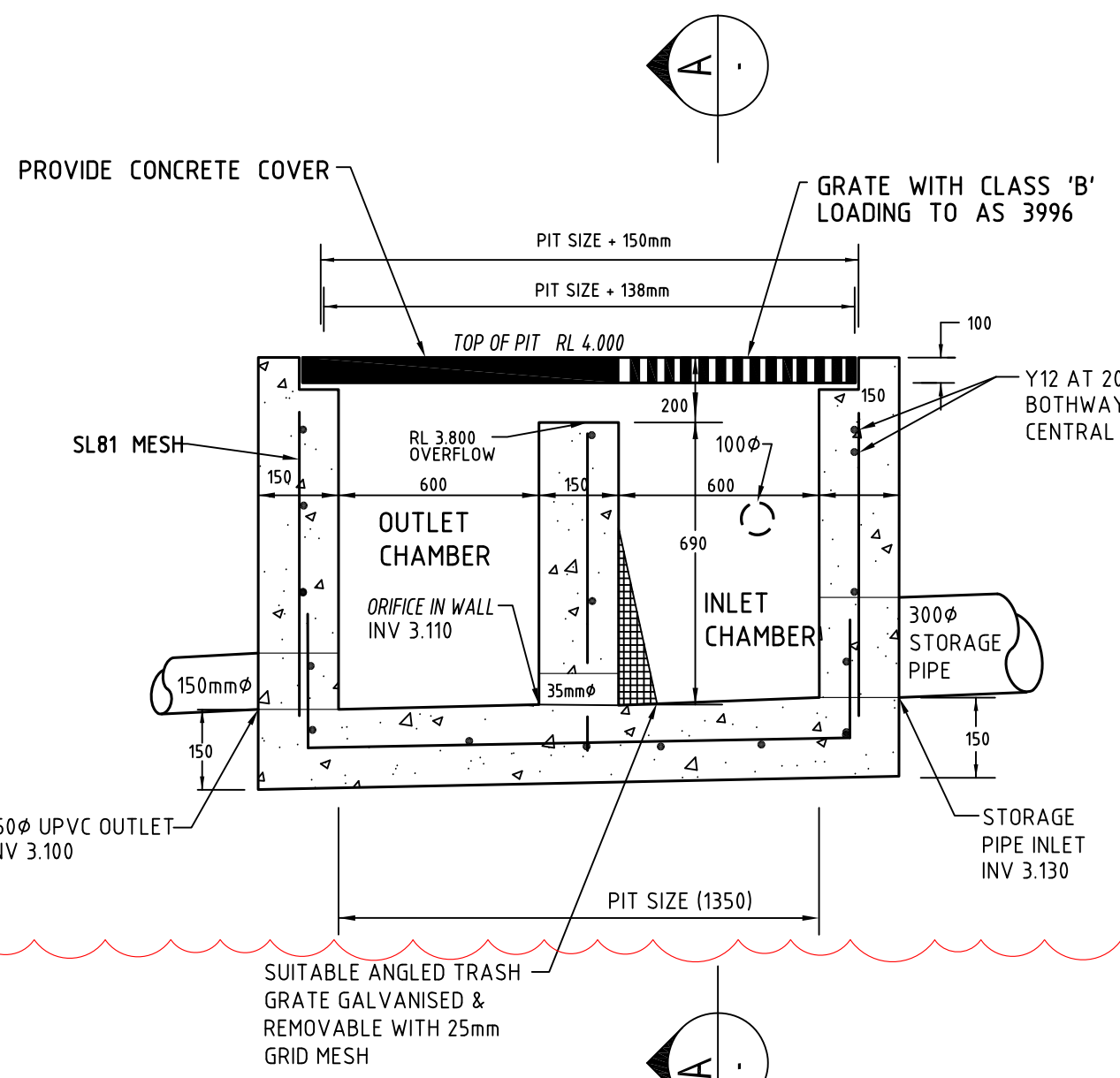
DATE 28/05/2024

Revision: B

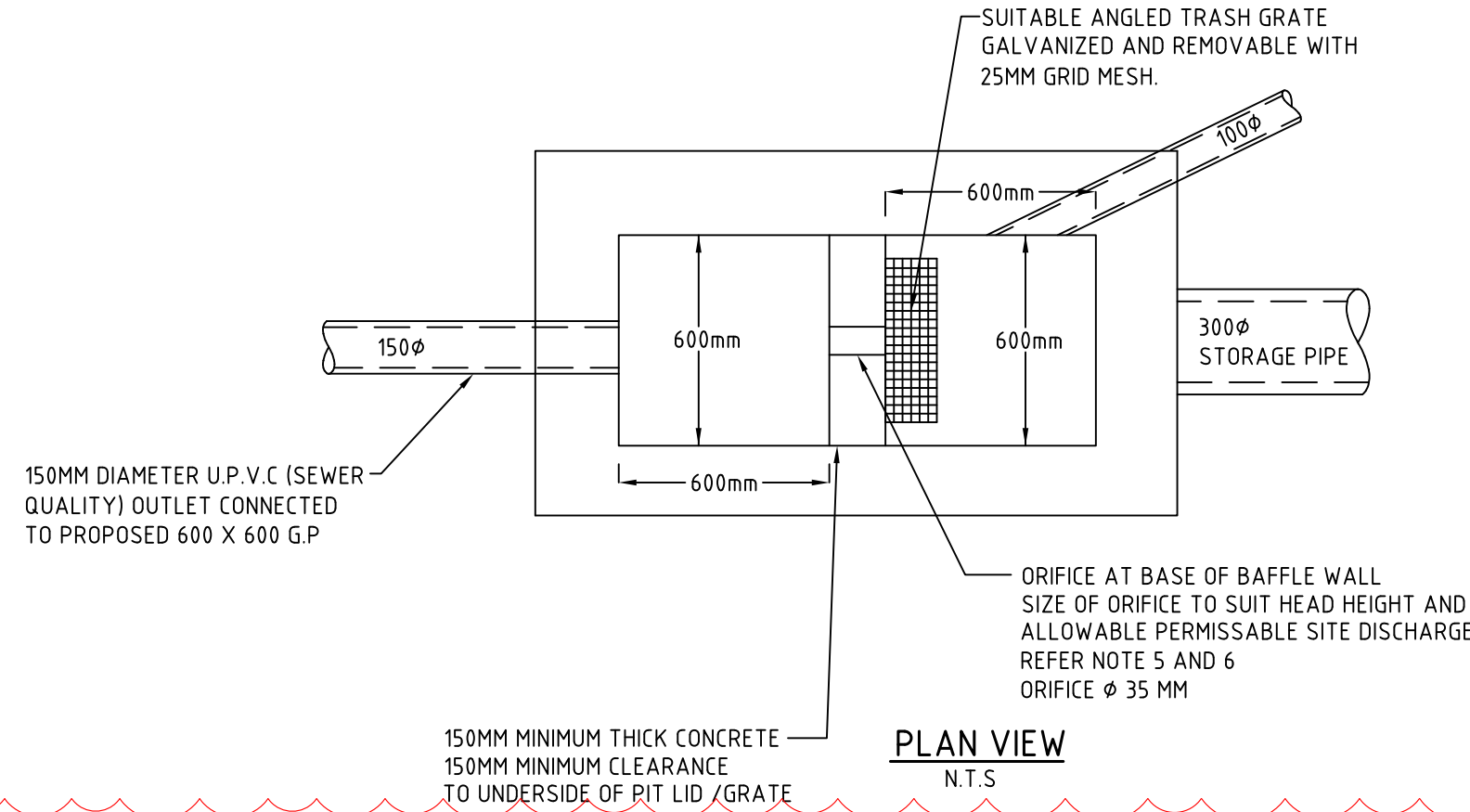
DRAWING NO. JDSS3222-C1

SHEET 1

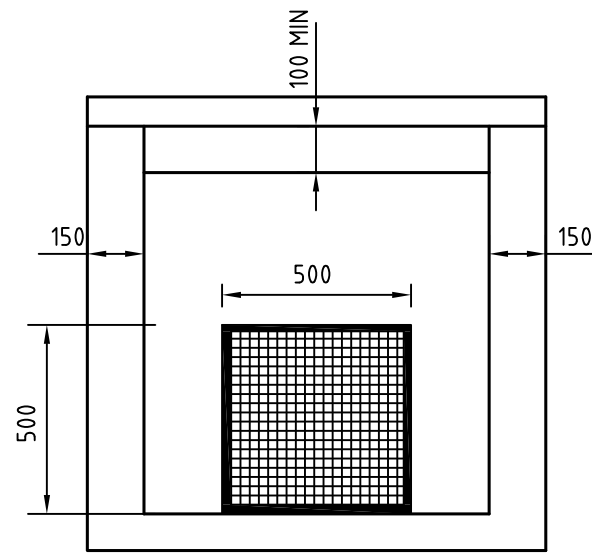




ORIFICE PIT No. 4 SECTION DETAIL  
N.T.S



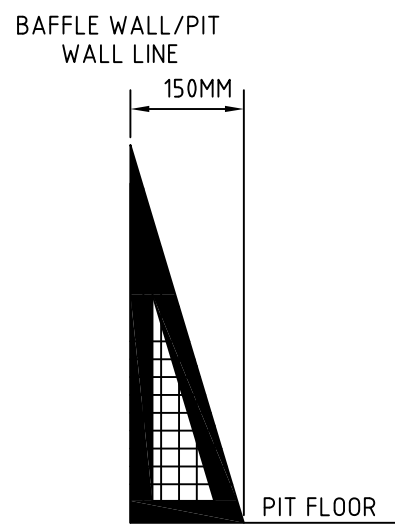
PLAN VIEW  
N.T.S



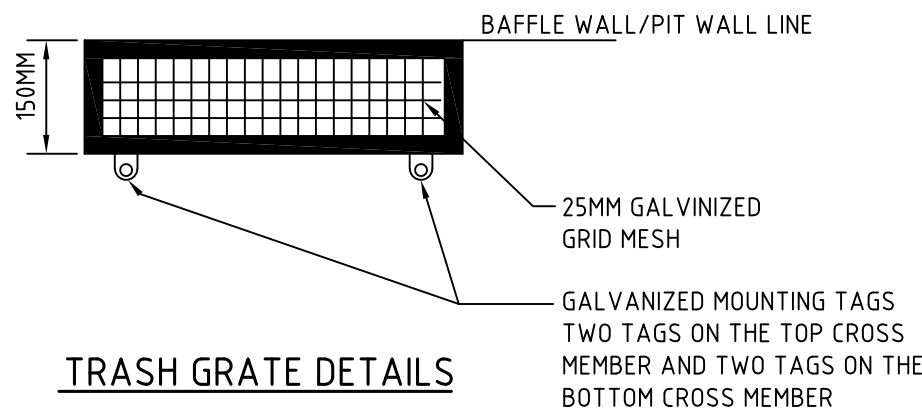
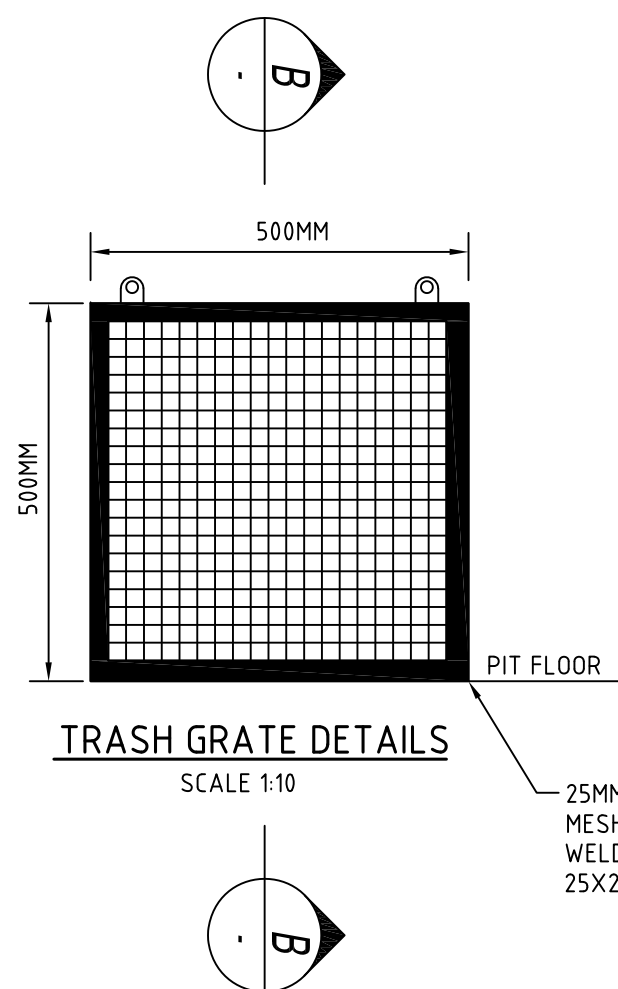
SECTION A-A  
N.T.S

### NOTES

- 1 DETENTION CHAMBER / OUTLET CHAMBER WILL VARY ACCORDING TO PIPE SIZE/S USED FOR STORAGE. MINIMUM SIZE IS 600X600, UNLESS BAFFLE WALL HEIGHT IS < 700, THEN MINIMUM OUTLET CHAMBER CAN BE REDUCED TO 450 X 450.
- 2 STORAGE PIPE SIZE WILL VARY ACCORDING TO THE VOLUME REQUIREMENTS OF THE SITE. IF REINFORCED CONCRETE OR FIBER REINFORCED CONCRETE PIPES ARE USED, THEY SHALL BE RUBBER RING JOINTED. OTHER PIPE TYPES MUST BE APPROVED BY THE COUNCIL ENGINEER
- 3 STEP IRONS (MP219) SHALL BE FITTED TO PITS GREATER THAN 1000MM IN DEPTH AT 300MM C/C
- 4 PITS GREATER THAN 1000MM IN DEPTH ARE TO BE REINFORCED WITH SL81 SQUARE MESH, PLACED CENTRALLY IN PIT WALLS
- 5 A MULTI-CELL DISCHARGE CONTROL UNIT MAY BE USED AS AN ALTERNATIVE TO THE ORIFICE/BAFFLE WALL DISCHARGE PIT AS DETAILED ABOVE. REFER TO S.V.C PHILLIPS MULTI-CELL HANDBOOK FOR SPECIFICATIONS
- 6 MEDIUM DUTY CAST IRON COVERS ARE TO BE USED IN TRAFFICABLE AREAS. ALTERNATIVE GRATE AND FRAME TOP MAY BE USED IN CERTAIN CIRCUMSTANCES AND MUST BE APPROVED BY COUNCIL ENGINEER
- 7 IF TWO OR MORE ROWS OF PIPES ARE USED FOR STORAGE, THEN MINIMUM GAP OF 150MM IS REQUIRED BETWEEN THE PIPES.



SECTION B-B  
SCALE 1:10



TRASH GRATE DETAILS

PIT SCHEDULE									
PIT No.	TYPE	INTERNAL WID.	INTERNAL LEN.	INLET DIA.	INLET INV R.L.	OUTLET DIA.	OUTLET INV R.L.	F.S.L.	PIT DEPTH
1	EX. SIDE ENTRY PIT			150 EX. 300	2.650 2.330	EX. 300	2.250	3.500	1.250
2	GRATED PIT	600	600	2 X 100 150	3.250 2.750	150	2.700	3.600	0.900
3	GRATED PIT	600	600	100 150	3.050 3.050	150	3.000	3.900	0.900
4	ORIFICE PIT	1350	600	100 300	3.600 3.130	150	3.100	4.000	0.900
5	GRATED PIT	600	600	100 150	3.580 3.300	300	3.175	4.020	0.845
6	GRATED PIT	450	450	2 X 100	3.500	150	3.450	3.900	0.450
REMARKS									
BREAK INTO EXISTING SIDE ENTRY PIT AND MAKE GOOD AS PER MORNINGTON PENINSULA SHIRE STANDARDS AND REQUIREMENTS									
PIT TO BE CONSTRUCTED AS PER DETAILS SHOWN ON JDSS3222-C1									
PIT TO BE CONSTRUCTED AS PER DETAILS SHOWN ON JDSS3222-C1									
ORIFICE PIT TO BE CONSTRUCTED AS PER DETAILS SHOWN ON JDSS3222-C2									
PIT TO BE CONSTRUCTED AS PER DETAILS SHOWN ON JDSS3222-C1									
PIT TO BE CONSTRUCTED AS PER DETAILS SHOWN ON JDSS3222-C1									

### NOTES

- 1 TRASH GRATE IS TO BE FIXED TO THE BAFFLE WALL, AT THE FOUR MOUNTING TAGS, BEFORE THE ORIFICE (OR FIXED TO THE WALL OF PIT, AT THE OUTLET, BEFORE DISCHARGING TO THE MULTICELL) USING GALVANISED MASONRY ANCHORS.
- 2 ENTIRE TRASH GRATE ARRANGEMENT IS TO BE HOT DIP GALVANISED (AS/NZS 4680) AFTER MANUFACTURE.
- 3 TRASH GRATE ARRANGEMENT SHALL FIT FLUSH WITH THE BOTTOM OF THE PIT FLOOR AND BAFFLE WALL / PIT WALL.
- 4 THIS STANDARD DETAIL SHALL BE USED IN CONJUNCTION WITH THE MORNINGTON PENINSULA SHIRE ON SITE DETENTION GUIDE.

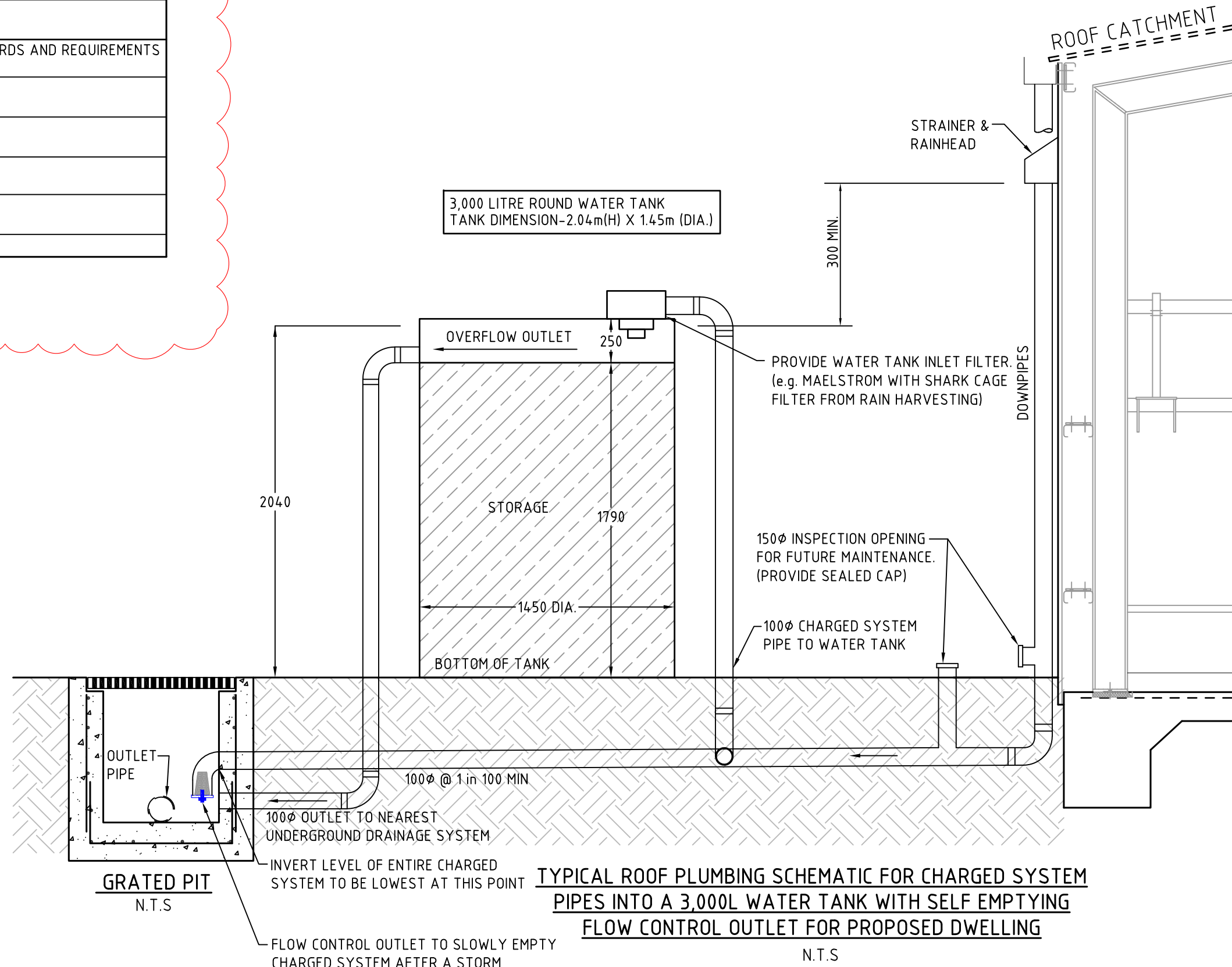


Mornington Peninsula Shire hereby approves this engineering plan for driveway and stormwater drainage works pursuant to the provisions of the Planning and Environment Act 1987 and the Subdivisions Act 1988.

Note: The relevant Building Surveyor is responsible for the approval of the design and inspection of stormwater drainage system prior to the issue of a Certificate of Occupancy, as required by building regulations. Any assets to be taken over or maintained by the Shire must comply with the Shire's relevant standards.

Date: 30/05/2024  
Planning permit No(s): P22/3046  
Eng No: ENG23/0014  
Applies to Sheets: C1 - C2  
Development Engineer: Bhupinder Gill

A COPY OF THE APPROVED AND STAMPED PLANS ARE TO BE KEPT ON SITE AT ALL TIMES



TYPICAL ROOF PLUMBING SCHEMATIC FOR CHARGED SYSTEM  
PIPES INTO A 3,000L WATER TANK WITH SELF EMPTYING  
FLOW CONTROL OUTLET FOR PROPOSED DWELLING  
N.T.S

### NOTES:

- (1) THIS CHARGED SYSTEM DOES NOT PERMIT ANY SURFACE WATER TO BE DISCHARGED INTO.
- (2) THIS TECHNICAL SOLUTION SHOULD BE READ IN CONJUNCTION WITH 'TECHNICAL SOLUTION 5' COLD WATER PLUMBING-RAINWATER TANKS CURRENT AS AT JULY 2004
- (3) ALL PLUMBING/ DRAINAGE WORKS TO BE CONSTRUCTED AS PER RELEVANT AUTHORITIES OR TO BUILDING SURVEYOR SATISFACTION
- (4) ALL DOWNPIPES AND FITTING ON CHARGED SYSTEM TO BE INSTALLED AS PER AUSTRALIA STANDARDS AS/NZS 1260 AND TO BE FULLY SOLVENT CEMENT WELDED
- (5) CHARGED SYSTEMS ARE TO BE PRESSURE RATED TO MINIMUM 6.00 HEAD

ALL THE PROPOSED RAINWATER TANKS ARE REQUIRED TO BE CONNECTED TO REGULAR USE IE WC FLUSHING & LAUNDRY AND/OR IRRIGATION ETC. BY A PUMP SYSTEM AND THE OVERFLOW BEING CONNECTED TO THE REGULAR DRAINAGE LINE

PLUMBING FOR REUSE TO COMPLY WITH AS/NZ3500 PART 2

ALL CHARGED PIPES TO BE 100MM DIAMETER  
PRESSURED SEALED UPVC SEWER CLASS PIPE

AMENDMENTS			DATE	LEGEND													
		TOP INV TK LIP PL ESL FFL G.P JP		TOP OF PIT INVERT TOP OF KERB LIP OF KERB PAVEMENT LEVEL EXISTING SURFACE LEVEL FINISHED FLOOR LEVEL GRATING PIT JUNCTION PIT	      	FENCE/GATE SURFACE SLOPE STORM WATER DRAIN TELSTRA CONDUIT GAS MAIN WATER MAIN SEWER MAIN	R.C PIPE - REINFORCED CONCRETE PIPE I.O GRATE - INSPECTION OPENING GRATE BOP - BOTTOM OF PIT RRJ - RUBBER RING JOINTS	<div>WARNING</div> <div>BEWARE OF UNDERGROUND SERVICES</div> <div>THE LOCATION OF UNDERGROUND SERVICES ARE APPROXIMATE ONLY AND THEIR EXACT POSITION SHOULD BE PROVEN ON SITE. NO GUARANTEE IS GIVEN THAT ALL EXISTING SERVICES ARE SHOWN.</div>		<div>DESIGN BY:</div> <div></div> <div>www.jdscivils.com.au</div> <div>ABN 56 846 053 738 RBP No. DP-SD 17489</div> <div>Unit 35, 16 DUNSTONS COURT THOMASTOWN VIC 3074 info@jdscivils.com.au</div> <div>f 9403 6000 f 9403 6001 m 0416 052 572</div>		<div>PROPOSED DRAINAGE FOR A PROPOSED DWELLING AT No. 5 PALM GROVE DROMANA (MELWAY REF: 160, A6)</div>		<div>CLIENT:</div> <div>HOWSE STUDIO PTY LTD</div> <div>P.O. BOX 3197 PRAHRAN EAST VIC 3181 PH: 0401 885 395</div> <div>FILE NAME: JDSS3222-C1.DWG</div>		<div>DATE 28: 05: 2024</div> <div>Revision: B</div> <div>DRAWING NO. JDSS3222-C2</div> <div>SHEET 2</div>	