

MINIMUM SEPARATION DISTANCES		
	PRIMARY	SECONDARY
BUILDINGS/HOUSES1	3m	1.5m TO 3m
PROPERTY/BOUNDARY	1.5m	1.5m
SURFACE WATER ²	10m	10m
WATER SUPPLY BORE1	20m	20m
GROUND WATER ²	600mm	300mm
FLOOD PLAIN ARI ¹	100 YEAR	20 YEAR
EMBANKMENTS/ RETAINING WALLS ¹	3m FROM THE DRAINAGE MATERIAL.CUT BATTER INTERFACE OR 45° ANGLE FROM TOE OF WALL EXCAVATION (WHICH EVER IS GREATEST)	

NOTE 1: AS PER TP58 ON—SITE WASTEWATER SYSTEMS: DESIGN AND MANAGEMENT MANUAL

NOTE 2: AS PER WAIKATO REGIONAL PLAN

DISPOSAL FIELD CHARACTERISTICS		
SYSTEM	LPED BEDS	
TREATMENT	SECONDARY	
BASAL AREA	33m²	
TOTAL AREA	42m²	

NOTES:

- 1) PLAN IS INDICATIVE ONLY,
- 2) OFFSETS FOR SOAKAGE TRENCH SHALL BE ADHERED TO;
- 2)1) 3.0m FROM BUILDINGS,
- 2)2) 1.5m FROM PROPERTY BOUNDARIES,
- 2)3) 0.5m FROM ROAD BOUNDARY
- 3) IF CONTRACTOR CANNOT ACHIEVE OFFSETS, ENGINEER SHALL BE NOTIFIED PRIOR TO CONSTRUCTION.
- 4) ALL RUNOFF TO ENTER A SUMP PRIOR TO SOAKAGE DEVICE.

- NOTES:

 1. WORKS TO COMPLY WITH BUILDING CODE, BUILD CONSENT CONDITIONS AND PRODUCT MANUFACTURERS SPECIFICATIONS

 2. EARTHWORKS SHALL NOT CONCENTRATE SURFACE WATER NEAR DISPOSAL FIELD

 3. FENCE DISPOSAL FIELD FROM STOCK IF REQUIRED

 4. POSITION OF SEPTIC TANK MAY BE RELOCATED AT CLIENTS DISCRETION

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CONSULTING ENGINEERS		

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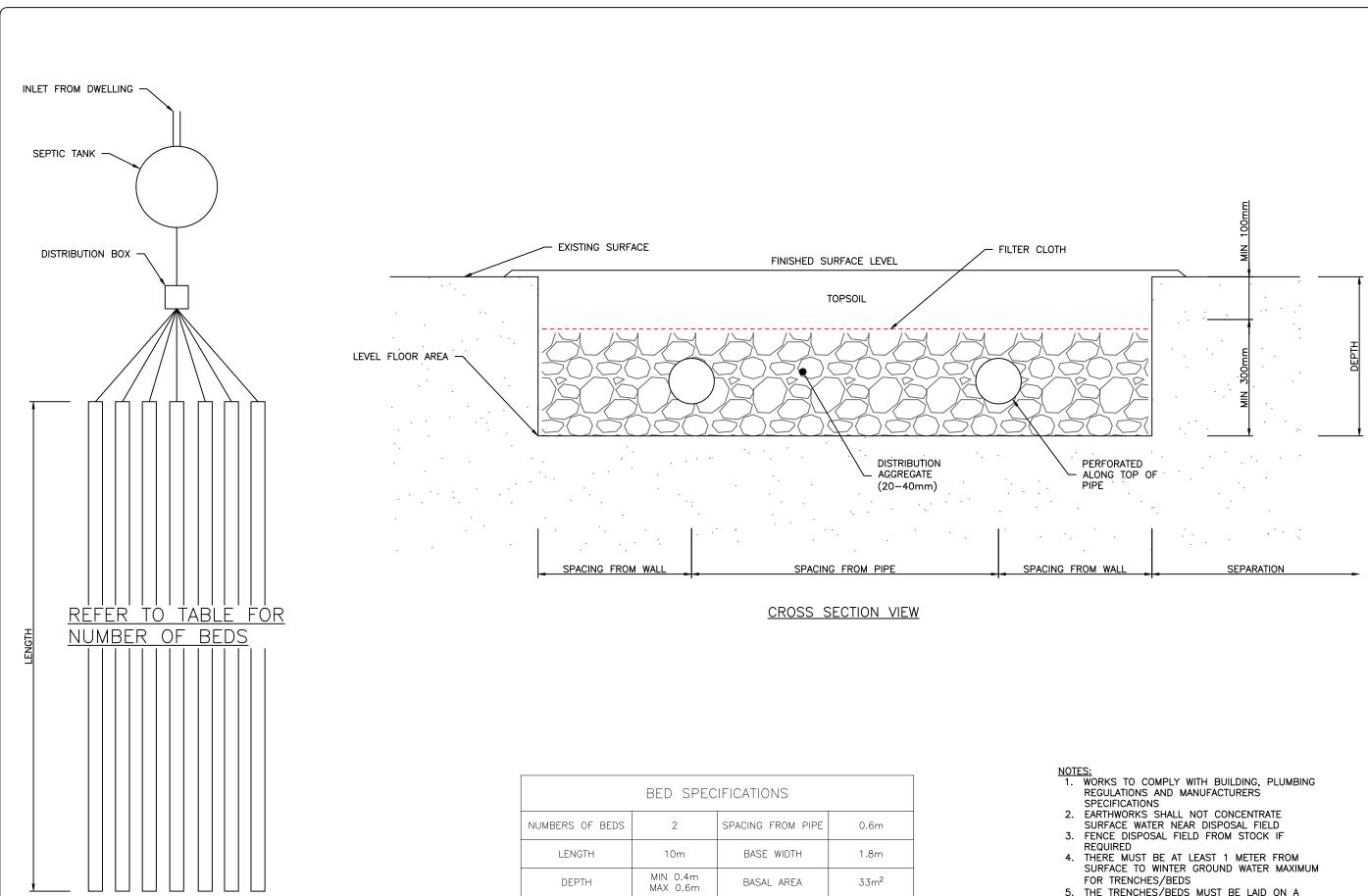
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MARTIN CAMERON

NEW DWELLING LOT 2 136 STATE HIGHWAY 26 HAMILTON

WASTEWATER PLAN

FOR APPROVAL FINAL AS APPROVED BY COUNCIL
SCALE (ORIGINAL SIZE A3) 11/10/2021 NTS 11122-WW -0001



LENGTH 10m 1.8m BASE WIDTH MIN 0.4m DEPTH BASAL AREA $33m^2$ MAX 0.6m SEPARATION 1.0m TOTAL AREA $42m^2$ SPACING FROM WALL 0.3m

- 5. THE TRENCHES/BEDS MUST BE LAID ON A LEVEL CONTOUR
- 6. TRENCH/BED BASES MUST BE LEVEL
- 7. A 100% RESERVE AREA IS REQUIRED FOR TRENCHES/BEDS AND A 50% RESERVE AREA FOR DRIP IRRIGATION

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PLAN VIEW

DESIGNED	CHECKED
RM	JV
DRAWN	APPROVED
RM	TR

MARTIN CAMERON

NEW DWELLING LOT 2 136 STATE HIGHWAY 26 HAMILTON

DISPOSAL FIELD

FOR APPROVAL 11/10/2021 NTS 11122-WW -0006



SOAKAGE TRENCH SETBACKS (RITS 4.2.15):

- 1. 3.0m FROM ANY BUILDING OR BOUNDARY (1.5m FROM BOUNDARY IF NEIGHBOURING BUILDING MUST BE 1.5m FROM BOUNDARY).
- 2. 0.5m FROM ROAD SIDE BOUNDARY'S.
- 3. FOR RETAINING WALLS LESS THAN 2m, THE SETBACK SHALL BE THE HEIGHT OF THE WALL PLUS 1.5m. FOR HIGHER WALLS A SPECIFIC DEIGN IS REQUIRED.
- 4. 2.0m FROM PUBLIC SANITARY SEWERS.
- 5. 1.0m FROM PRIVATE SEWER.
- 6. SOAKAGE TRENCH TO NOT BE POSITIONED ON UNSTABLE SLOPES AND AWAY FROM OVERLAND FLOW PATHS.

NOTES:

- 1. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE PRODUCT MANUFACTURERS SPECIFICATIONS, THE BUILDING CODE AND THE BUILDING CONSENT CONDITIONS.
- 2. ROCK FILL MUST BE 40-60mm OF CLEAN WASHED ROCK.
- 3. A PRE—TREATMENT DEVICE MUST BE USED TO MINIMISE SILT INGRESS INTO SOAK TRENCH.
- 4. CONTRACTORS SHALL PROVIDE AS-LAID PLANS AND A PS3 ON COMPLETION.

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MARTIN CAMERON

PLAN VIEW

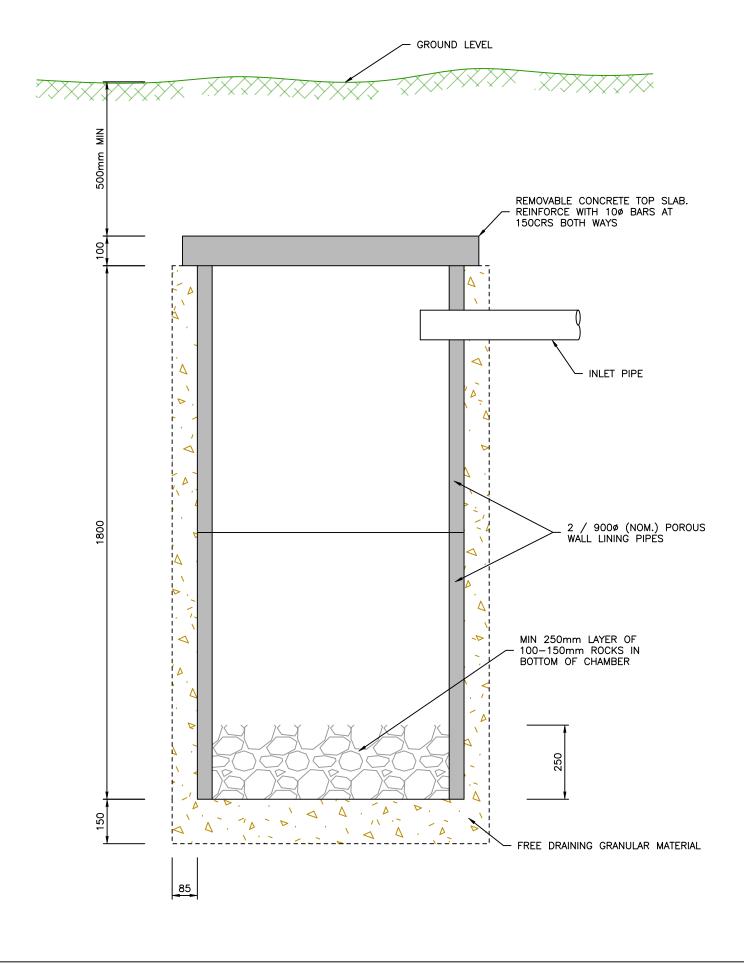
NEW DWELLING LOT 2 136 STATE HIGHWAY 26 **HAMILTON**

DISCHARGE PIPE SLOTTED ALONG THE TOP AT 100mm INTERVALS

SOAKAGE TRENCH OPTION

FOR APPROVAL FINAL AS APPROVED BY COUNCIL

| SCALE (ORIGINAL SIZE A3) 11/10/2021 NTS 11122-SW -0010



SOAKAGE TRENCH SETBACKS (RITS 4.2.15):

- 1. 3.0m FROM ANY BUILDING OR BOUNDARY (1.5m FROM BOUNDARY IF NEIGHBOURING BUILDING MUST BE 1.5m FROM BOUNDARY).
- 2. 0.5m FROM ROAD SIDE BOUNDARY'S.
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- 6. SOAKAGE TRENCH TO NOT BE POSITIONED ON UNSTABLE SLOPES AND AWAY FROM OVERLAND FLOW PATHS.

NOTES:

- 1. ALL WORKS TO BE CARRIED OUT IN ACCORDANCE WITH THE PRODUCT MANUFACTURERS SPECIFICATIONS, THE BUILDING CODE AND THE BUILDING CONSENT CONDITIONS.
- 2. ROCK FILL MUST BE 100-150mm OF CLEAN WASHED ROCK.
- 3. A PRE-TREATMENT DEVICE MUST BE USED TO MINIMISE SILT INGRESS INTO SOAK TRENCH.
- 4. CONTRACTORS SHALL PROVIDE AS-LAID PLANS AND A PS3 ON COMPLETION.

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RM JV

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RM TR

MARTIN CAMERON

NEW DWELLING

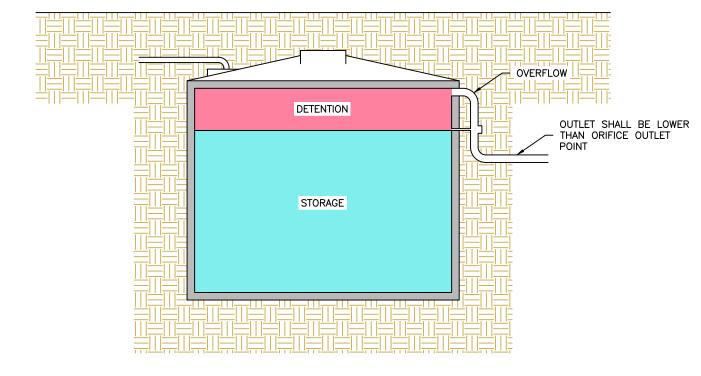
LOT 2 136 STATE HIGHWAY 26

HAMILTON

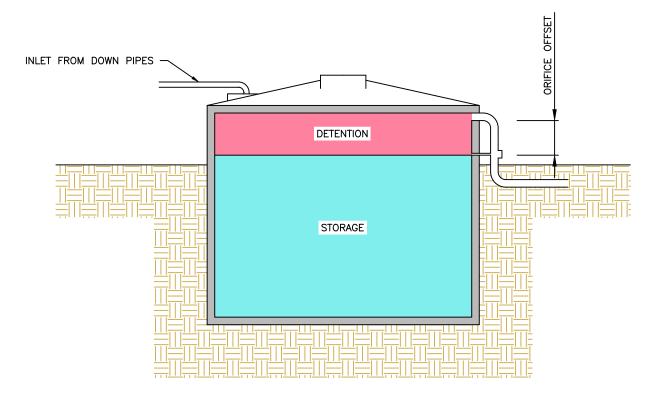
SOAKAGE PIT OPTION

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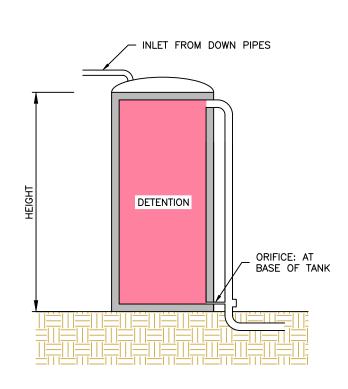
DESIGN 1: ABOVE-GROUND TANK



DESIGN 3: FULLY-BURIED TANK



DESIGN 2: SEMI-BURIED TANK



DESIGN 4: DETENTION-ONLY TANK

SPECIFICATIONS		
DESIGN OPTIONS AVAILABLE	1-3	
VOLUME	1 x 25,000 L	
HEIGHT	2,800 mm	
ORIFICE	35 mm	
ORIFICE OFFSET	560 mm	
OVERFLOW	LEVEL SPREADER	

- 1. ALL WORKS TO COMPLY WITH BUILDING, PLUMBING REGULATIONS AND MANUFACTURERS SPECIFICATIONS
 2. ALL DRAINS TO BE 100mm PVC LAID AT 1:100 FALL UNLESS
- NOTED OTHERWISE.
- CHECK LEVELS ON SITE BEFORE INSTALLATION.

 APPROPRIATE COVER REQUIRED FOR OPTION 3 AS PER MANUFACTURERS SPECIFICATIONS.
- FIRST FLUSH DEVICES AND LEAF DIVERTERS ARE RECOMMENDED.
- TRICKLE FEED MAY BE SUITABLE DEPENDING ON SITE LOCATION.
- 7. OVERFLOW (INCLUDING FLOW FROM ORIFICE) SHALL BE GRAVITY FEED WITH NO BUBBLE UP DOWNSTREAM. OUTLET POINT SHALL BE LOWER THAN ORIFICE POINT.
- 8. TWO TANKS MAY BE UTILISED AND CONNECTED AT THE BASE.

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LOT 2 138 STATE HIGHWAY 26 NEWSTEAD

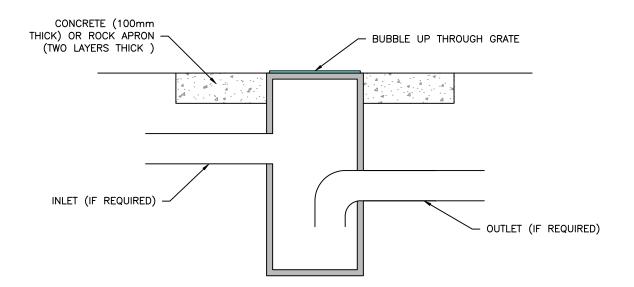
RAINWATER TANK

FOR APPROVAL FINAL AS APPROVED BY COUNCIL
SCALE (ORIGINAL SIZE A3) 11/10/2021 NTS 11122-SW -0020

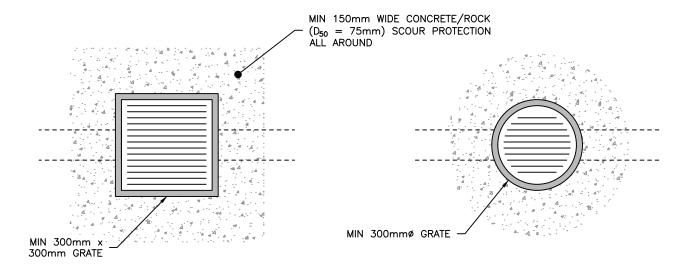
- NOTES:

 1. WORKS TO COMPLY WITH BUILDING, PLUMBING REGULATIONS AND MANUFACTURERS SPECIFICATIONS

 2. CHAMBER TO BE LOCATED AS TO NOT CAUSE ANY STORM WATER NUISANCE



BUBBLE UP: SECTION VIEW



BUBBLE UP: PLAN VIEW

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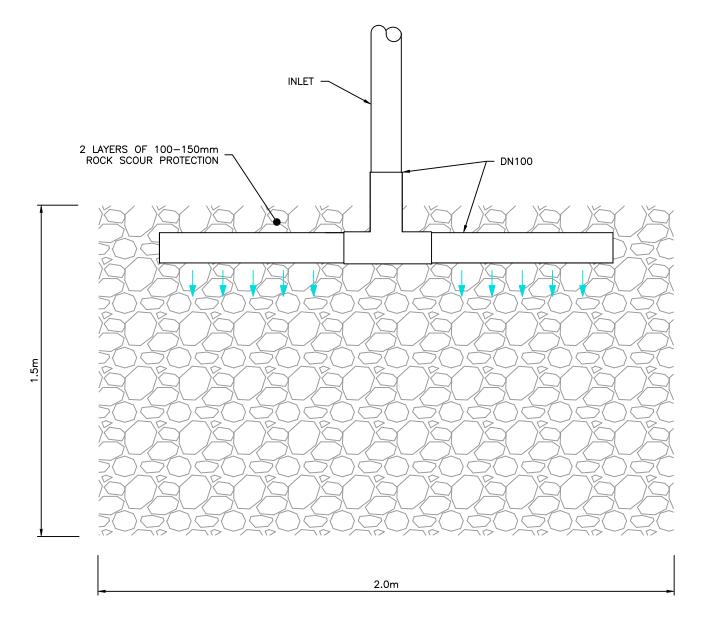
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LOT 2, 136 STATE HIGHWAY 26 NEWSTEAD

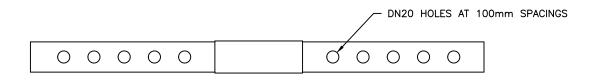
BUBBLE UP

FOR APPROVAL FINAL AS APPROVED BY COUNCIL
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LEVEL SPREADER: PLAN VIEW



LEVEL SPREADER: SECTION VIEW

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MARTIN CAMERON

LOT 2, 136 STATE HIGHWAY 26 NEWSTEAD

LEVEL SPREADER

FOR APPROVAL
FINAL AS APPROVED BY COUNCIL
DATE SCALE (ORIGINAL SIZE A3)
11/10/2021 NTS
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