

## NOTES

- GENERAL
- 1) THESE DRAWINGS TO BE READ IN CONJUNCTION WITH ALL RELEVANT HAYES HIGGINS ENGINEERING'S DRAWINGS AND SPECIFICATIONS.
  - 2) DO NOT SCALE. USE FIGURED DIMENSIONS ONLY.
  - 3) FOUL WATER/WASTE WATER TO CURRENT RISH WATER SPECIFICATION AND DETAILS (HW-005-5030-01)

## NOTES

<p>DETAIL 01 – RISH AND SERVICE CONNECTION PERFORMER</p> <p>NOTES:</p> <ol style="list-style-type: none"> <li>1. ALL DIMENSIONS ARE IN MILLIMETRES (mm)</li> <li>2. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.</li> <li>3. AN INSPECTION CHAMBER SHOULD BE LOCATED AT OR WITHIN 1m OF THE PROPERTY BOUNDARY AT THE UPSTREAM END OF THE PIPE. CONSULT WITH RISH WATER ON ALTERNATIVE LOCATIONS.</li> <li>4. ANY PIPE AND ASSOCIATED CONNECTIONS SHALL BE INSTALLED IN ACCORDANCE WITH A PRIVATE BOUNDARY IS A PRIVATE DRAIN AND SHOULD BE CONSTRUCTED IN ACCORDANCE WITH BUILDING REGULATIONS.</li> </ol>	<p>DETAIL 02 – TYPICAL SERVICE LAYOUT INDICATING SEPARATION DISTANCES</p> <p>NOTES:</p> <ol style="list-style-type: none"> <li>1. THE SEPARATION DISTANCES OUTLINED ARE MINIMUM REQUIREMENTS.</li> <li>2. DISTANCES IN EXCESS OF THESE MINIMA SHALL BE PROVIDED FOR SERVICES SUCH AS GAS, ELECTRICITY, FIBRE-OPTIC OR ON PARTICULAR UTILITY PROVIDERS SHALL BE CONSULTED TO DETERMINE THESE MINIMUM SEPARATION DISTANCES AND POINTS OF SEPARATION DISTANCES SHALL BE PROVIDED TO RISH WATER AT DESIGN STAGE.</li> <li>3. NOTIFICATION IN WRITING IS REQUIRED TO BE PROVIDED TO RISH WATER AT DESIGN STAGE. DISTANCES FROM AN EXISTING WATER MAIN OR WASTEWATER RISING MAIN.</li> </ol>	<p>THE MAIN OR GAN GROUND INFO DATA, LARGER DIMETERS SYSTEM DESCRIPTION NOTIFIED AT LEAST 1 MONTH IN ADVANCE. ANY NOTIFICATION REQUIREMENTS OF OTHER UTILITY PROVIDERS (E.G. GAS, WATER, TELECOMMUNICATION ETC.).</p> <ol style="list-style-type: none"> <li>4. DETAILED PROGRESS INCLUDING WORK METHOD STATEMENTS SHALL BE PROVIDED TO RISH WATER AT DESIGN STAGE. CONSIDERATION BEFORE PROCEEDING WILL ISSUE ALL SUCH WORKS IN THE VICINITY OF AERIAL WATER MAINS AND SERVICES SHALL BE SUBJECT TO WRITTEN AGREEMENT WITH RISH WATER BEFORE COMMENCEMENT OF WORK. COMMENTS ON SITE THIS AGREEMENT PROTECTION FOR WATER MAINS.</li> <li>5. ANY CHANGE SHALL BE NOTIFIED IMMEDIATELY TO RISH WATER. THE PERSON WHO CAUSES THE DAMAGE TO A SERVICE CHAMBER SHALL BE RESPONSIBLE FOR THE COST OF REPAIRS TO THE SERVICE CHAMBER OF THE WATER SERVICES ACT 2007.</li> <li>6. UNDER NO CIRCUMSTANCES WILL RISH WATER ACCEPT SERVICES MAIN INSTALLATIONS UNDER STRUCTURES, EXCEPT ON A CASE BY CASE BASIS. RISH WATER WILL INHIBIT ACCESS FOR POST INSTALLATION MAINTENANCE AND ACCESS.</li> <li>7. THE MINIMUM CLEAR DISTANCE WILL BE 500mm DEEP OR 1/2 THE DIAMETER E GREATER THAN 500mm. THE MINIMUM CLEAR DISTANCE IN THESE SITUATIONS SHALL BE SERVICE DIAMETER, WHICH EVER IS GREATER.</li> </ol>	<p>DETAIL 03 – TYPICAL SERVICE/SERVICE PIPE CONNECTION</p> <p>NOTES:</p> <ol style="list-style-type: none"> <li>1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.</li> <li>2. AS FAR AS PRACTICABLE, JUNCTIONS AND SERVICE CONNECTIONS SHALL BE BUILT IN RISH WATER SERVICE CHAMBERS. IF THIS IS NOT POSSIBLE, THE SERVICE CHAMBER SHALL BE BUILT IN A SERVICE CHAMBER PROVIDED BY RISH WATER. THE SERVICE CHAMBER SHALL BE BUILT IN ACCORDANCE WITH THE SERVICE CHAMBER AND SEAL IS REQUIRED.</li> <li>3. THE SERVICE CHAMBER BETWEEN THE SERVICE CHAMBER AND THE SERVICE CHAMBER SHALL BE GREATER THAN 0 AND NOT MORE THAN 600.</li> <li>4. WHERE THE CONNECTION IS BUILT MADE TO A SERVICE WITH A NOMINAL INTERNAL DIAMETER OF 300mm DIAMETER OR LESS, CONNECTIONS SHALL BE MADE USING 49 ANGLE JOINTS.</li> <li>5. WHERE THE CONNECTION IS BUILT MADE TO A SERVICE WITH A NOMINAL INTERNAL DIAMETER IS GREATER THAN HALF THE DIAMETER OF THE SERVICE, AN ACCESS MANHOLE SHALL BE PROVIDED TO FORM THE CONNECTION POINT OF THE CONNECTION.</li> <li>6. IF THE DIAMETER OF THE CONNECTION PIPE IS LESS THAN OR EQUAL TO HALF THE DIAMETER OF THE SERVICE, THEN THE CONNECTION SHALL FITTING WITH A SLOW BEND BETWEEN THE SPODE AND THE CONNECTION SERVICE/DRAIN.</li> </ol>	<p>DETAIL 04 – PRIVATE SITE INSPECTION CHAMBER</p> <p>NOTES:</p> <ol style="list-style-type: none"> <li>1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.</li> <li>2. INSPECTION CHAMBERS SHOULD BE LOCATED AT THE UPSTREAM END OF EACH SERVICE CONNECTION ON THE PRIVATE SIDE OF THE PROPERTY BOUNDARY.</li> <li>3. ANY PIPE AND ASSOCIATED ACCESS UPSTREAM OF THE POINT OF CONNECTION TO A PUBLIC SERVICE CHAMBER SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE BUILDING REGULATIONS.</li> <li>4. ACCESS POINTS SHOULD BE LOCATED SO THAT THE SERVICE CHAMBER IS ACCESSIBLE FROM THE MAINWAY AT ALL TIMES FOR USE. THEY SHOULD ALSO BE ACCESSIBLE FROM THE MAINWAY WITH A MINIMUM CLEARANCE OF 2.0m.</li> <li>5. COVERS AND FRAMES SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS SUBJECT TO REVIEW BY RISH WATER.</li> <li>6. 200mm ALL AROUND, 100mm DEEP CONCRETE FLOORS SHALL BE PROVIDED TO RISH WATER.</li> <li>7. FLOORS SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS SUBJECT TO REVIEW BY RISH WATER.</li> <li>8. CHAMBERS SHALL BE SURROUNDED BY A MINIMUM OF 150mm COMPACTED CLAUSE 804 OR CLAUSE 808 MATERIAL, 50mm DEEP.</li> </ol>	<p>DETAIL 05 – TRENCH BACKFILL AND BONDING</p> <p>NOTES:</p> <ol style="list-style-type: none"> <li>1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.</li> <li>2. THE MINIMUM DEPTH OF COVER FROM THE FINISHED SURFACE TO THE CROWN OF GRANULAR PEPES WITHOUT PROTECTION SHOULD BE AS FOLLOWS:</li> <li>3. ANY PIPE AND ASSOCIATED ACCESS UPSTREAM OF THE POINT OF CONNECTION TO A PUBLIC SERVICE CHAMBER SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE BUILDING REGULATIONS.</li> <li>4. ACCESS POINTS SHOULD BE LOCATED SO THAT THE SERVICE CHAMBER IS ACCESSIBLE FROM THE MAINWAY AT ALL TIMES FOR USE. THEY SHOULD ALSO BE ACCESSIBLE FROM THE MAINWAY WITH A MINIMUM CLEARANCE OF 2.0m.</li> <li>5. COVERS AND FRAMES SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS SUBJECT TO REVIEW BY RISH WATER.</li> <li>6. 200mm ALL AROUND, 100mm DEEP CONCRETE FLOORS SHALL BE PROVIDED TO RISH WATER.</li> <li>7. FLOORS SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS SUBJECT TO REVIEW BY RISH WATER.</li> <li>8. CHAMBERS SHALL BE SURROUNDED BY A MINIMUM OF 150mm COMPACTED CLAUSE 804 OR CLAUSE 808 MATERIAL, 50mm DEEP.</li> </ol>	<p>DETAIL 06 – TRENCH BACKFILL AND BONDING</p> <p>NOTES:</p> <ol style="list-style-type: none"> <li>1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.</li> <li>2. THE MINIMUM DEPTH OF COVER FROM THE FINISHED SURFACE TO THE CROWN OF GRANULAR PEPES WITHOUT PROTECTION SHOULD BE AS FOLLOWS:</li> <li>3. ANY PIPE AND ASSOCIATED ACCESS UPSTREAM OF THE POINT OF CONNECTION TO A PUBLIC SERVICE CHAMBER SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE BUILDING REGULATIONS.</li> <li>4. ACCESS POINTS SHOULD BE LOCATED SO THAT THE SERVICE CHAMBER IS ACCESSIBLE FROM THE MAINWAY AT ALL TIMES FOR USE. THEY SHOULD ALSO BE ACCESSIBLE FROM THE MAINWAY WITH A MINIMUM CLEARANCE OF 2.0m.</li> <li>5. COVERS AND FRAMES SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS SUBJECT TO REVIEW BY RISH WATER.</li> <li>6. 200mm ALL AROUND, 100mm DEEP CONCRETE FLOORS SHALL BE PROVIDED TO RISH WATER.</li> <li>7. FLOORS SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS SUBJECT TO REVIEW BY RISH WATER.</li> <li>8. CHAMBERS SHALL BE SURROUNDED BY A MINIMUM OF 150mm COMPACTED CLAUSE 804 OR CLAUSE 808 MATERIAL, 50mm DEEP.</li> </ol>	<p>DETAIL 07 – TRENCH BACKFILL AND BONDING</p> <p>NOTES:</p> <ol style="list-style-type: none"> <li>1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.</li> <li>2. THE MINIMUM DEPTH OF COVER FROM THE FINISHED SURFACE TO THE CROWN OF GRANULAR PEPES WITHOUT PROTECTION SHOULD BE AS FOLLOWS:</li> <li>3. ANY PIPE AND ASSOCIATED ACCESS UPSTREAM OF THE POINT OF CONNECTION TO A PUBLIC SERVICE CHAMBER SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE BUILDING REGULATIONS.</li> <li>4. ACCESS POINTS SHOULD BE LOCATED SO THAT THE SERVICE CHAMBER IS ACCESSIBLE FROM THE MAINWAY AT ALL TIMES FOR USE. THEY SHOULD ALSO BE ACCESSIBLE FROM THE MAINWAY WITH A MINIMUM CLEARANCE OF 2.0m.</li> <li>5. COVERS AND FRAMES SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS SUBJECT TO REVIEW BY RISH WATER.</li> <li>6. 200mm ALL AROUND, 100mm DEEP CONCRETE FLOORS SHALL BE PROVIDED TO RISH WATER.</li> <li>7. FLOORS SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS SUBJECT TO REVIEW BY RISH WATER.</li> <li>8. CHAMBERS SHALL BE SURROUNDED BY A MINIMUM OF 150mm COMPACTED CLAUSE 804 OR CLAUSE 808 MATERIAL, 50mm DEEP.</li> </ol>	<p>DETAIL 08 – CONCRETE BED, MANHOLE AND SURROUND TO WASTEWATER PIPES</p> <p>NOTES:</p> <ol style="list-style-type: none"> <li>1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.</li> <li>2. CONCRETE PIPE BAYS AND MANHOLES MAY BE SITUATED IN EXCESS OF 75mm ABOVE THE EXTERNAL GROUND OF THE PIPE OF 75mm.</li> <li>3. ALL CHAMBERS TO BE CHECKED FOR LIGHT CONDITIONS WITH THE SITE SHOULD ANTI-FLOATATION MEASURES BE PROVIDED TO RISH WATER APPROVAL AND COMPLIANCE WITH BS 5911 PART 4: 2002.</li> <li>4. MANHOLES GREATER THAN 500mm IN DEPTH WILL REQUIRE A DETAILED STRUCTURAL REVIEW AND BE SUBJECT TO RISH WATER REVIEW.</li> <li>5. COVERS AND FRAMES SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS SUBJECT TO REVIEW BY RISH WATER.</li> <li>6. 200mm ALL AROUND, 100mm DEEP CONCRETE FLOORS SHALL BE PROVIDED TO RISH WATER.</li> <li>7. ALL CHAMBERS TO BE CHECKED FOR LIGHT CONDITIONS WITH THE SITE SHOULD ANTI-FLOATATION MEASURES BE PROVIDED TO RISH WATER APPROVAL AND COMPLIANCE WITH BS 5911 PART 4: 2002.</li> <li>8. ALL CHAMBERS TO BE IN ACCORDANCE WITH BS 5911 PART 4: 2002.</li> <li>9. ALL SPECIAL ROAD REINSTATEMENT AROUND AUTHORITY'S REQUIREMENTS.</li> </ol>	<p>DETAIL 09 – IN-SITU CONCRETE MANHOLE</p> <p>NOTES:</p> <ol style="list-style-type: none"> <li>1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.</li> <li>2. PRE-CAST MANHOLES MUST COMPLY WITH BS 5911 PART 3: 2003.</li> <li>3. THICKER MANHOLE BASES REQUIRED FOR SPECIAL ROAD REINSTATEMENT AROUND AUTHORITY'S REQUIREMENTS.</li> <li>4. APPROVED PRE-CAST CONCRETE BASES MAY BE USED WHERE THE STANDARD MANHOLE BASE IS NOT SUITABLE FOR THE SITE.</li> <li>5. STRUCTURAL DESIGN AND REINFORCEMENT FOR MANHOLES SHALL BE PROVIDED TO RISH WATER APPROVAL AND COMPLIANCE WITH BS 5911 PART 4: 2002.</li> <li>6. MANHOLES GREATER THAN 500mm IN DEPTH WILL REQUIRE A DETAILED STRUCTURAL REVIEW AND BE SUBJECT TO RISH WATER REVIEW.</li> <li>7. APPROVED PRE-CAST CONCRETE BASES MAY BE USED WHERE THE STANDARD MANHOLE BASE IS NOT SUITABLE FOR THE SITE.</li> <li>8. APPROVED PRE-CAST CONCRETE BASES MAY BE USED WHERE THE STANDARD MANHOLE BASE IS NOT SUITABLE FOR THE SITE.</li> <li>9. APPROVED PRE-CAST CONCRETE BASES MAY BE USED WHERE THE STANDARD MANHOLE BASE IS NOT SUITABLE FOR THE SITE.</li> <li>10. APPROVED PRE-CAST CONCRETE BASES MAY BE USED WHERE THE STANDARD MANHOLE BASE IS NOT SUITABLE FOR THE SITE.</li> <li>11. APPROVED PRE-CAST CONCRETE BASES MAY BE USED WHERE THE STANDARD MANHOLE BASE IS NOT SUITABLE FOR THE SITE.</li> <li>12. APPROVED PRE-CAST CONCRETE BASES MAY BE USED WHERE THE STANDARD MANHOLE BASE IS NOT SUITABLE FOR THE SITE.</li> <li>13. APPROVED PRE-CAST CONCRETE BASES MAY BE USED WHERE THE STANDARD MANHOLE BASE IS NOT SUITABLE FOR THE SITE.</li> <li>14. APPROVED PRE-CAST CONCRETE BASES MAY BE USED WHERE THE STANDARD MANHOLE BASE IS NOT SUITABLE FOR THE SITE.</li> <li>15. APPROVED PRE-CAST CONCRETE BASES MAY BE USED WHERE THE STANDARD MANHOLE BASE IS NOT SUITABLE FOR THE SITE.</li> <li>16. APPROVED PRE-CAST CONCRETE BASES MAY BE USED WHERE THE STANDARD MANHOLE BASE IS NOT SUITABLE FOR THE SITE.</li> </ol>	<p>DETAIL 10 – BACKFILL MANHOLES</p> <p>NOTES:</p> <ol style="list-style-type: none"> <li>1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) UNLESS NOTED OTHERWISE.</li> <li>2. MANHOLES TO HAVE A MINIMUM DEPTH OF 150mm ABOVE THE EXTERNAL GROUND OF THE PIPE OF 75mm.</li> <li>3. ALL CHAMBERS TO BE CHECKED FOR LIGHT CONDITIONS WITH THE SITE SHOULD ANTI-FLOATATION MEASURES BE PROVIDED TO RISH WATER APPROVAL AND COMPLIANCE WITH BS 5911 PART 4: 2002.</li> <li>4. MANHOLES GREATER THAN 500mm IN DEPTH WILL REQUIRE A DETAILED STRUCTURAL REVIEW AND BE SUBJECT TO RISH WATER REVIEW.</li> <li>5. COVERS AND FRAMES SHALL BE SUITABLE FOR ROAD AND TRAFFIC CONDITIONS SUBJECT TO REVIEW BY RISH WATER.</li> <li>6. 200mm ALL AROUND, 100mm DEEP CONCRETE FLOORS SHALL BE PROVIDED TO RISH WATER.</li> <li>7. ALL CHAMBERS TO BE CHECKED FOR LIGHT CONDITIONS WITH THE SITE SHOULD ANTI-FLOATATION MEASURES BE PROVIDED TO RISH WATER APPROVAL AND COMPLIANCE WITH BS 5911 PART 4: 2002.</li> <li>8. ALL CHAMBERS TO BE IN ACCORDANCE WITH BS 5911 PART 4: 2002.</li> <li>9. ALL SPECIAL ROAD REINSTATEMENT AROUND AUTHORITY'S REQUIREMENTS.</li> </ol>	<p>DETAIL 11 – SPECIAL SERVICE LAYOUT INDICATING SEPARATION DISTANCES</p> <p>NOTES:</p> <ol style="list-style-type: none"> <li>1. THE SEPARATION DISTANCES OUTLINED ARE MINIMUM REQUIREMENTS.</li> <li>2. DISTANCES IN EXCESS OF THESE MINIMA SHALL BE PROVIDED FOR SERVICES SUCH AS GAS, ELECTRICITY, FIBRE-OPTIC OR ON PARTICULAR UTILITY PROVIDERS SHALL BE CONSULTED TO DETERMINE THESE MINIMUM SEPARATION DISTANCES AND POINTS OF SEPARATION DISTANCES SHALL BE PROVIDED TO RISH WATER AT DESIGN STAGE.</li> <li>3. NOTIFICATION IN WRITING IS REQUIRED TO BE PROVIDED TO RISH WATER AT DESIGN STAGE. DISTANCES FROM AN EXISTING WATER MAIN OR WASTEWATER RISING MAIN.</li> </ol>	<p>DETAIL 12 – SPECIAL SERVICE LAYOUT INDICATING SEPARATION DISTANCES</p> <p>NOTES:</p> <ol style="list-style-type: none"> <li>1. THE SEPARATION DISTANCES OUTLINED ARE MINIMUM REQUIREMENTS.</li> <li>2. DISTANCES IN EXCESS OF THESE MINIMA SHALL BE PROVIDED FOR SERVICES SUCH AS GAS, ELECTRICITY, FIBRE-OPTIC OR ON PARTICULAR UTILITY PROVIDERS SHALL BE CONSULTED TO DETERMINE THESE MINIMUM SEPARATION DISTANCES AND POINTS OF SEPARATION DISTANCES SHALL BE PROVIDED TO RISH WATER AT DESIGN STAGE.</li> <li>3. NOTIFICATION IN WRITING IS REQUIRED TO BE PROVIDED TO RISH WATER AT DESIGN STAGE. DISTANCES FROM AN EXISTING WATER MAIN OR WASTEWATER RISING MAIN.</li> </ol>
--	--	--	---	---	---	---	---	---	---	--	--	--

PROJECT NAME				PROPOSED 31 HOUSING UNITS, AT KILDEGELANE, LUSK			
DRAWING NAME				IRISH WATER FOUL & SURFACE DRAINAGE DETAILS SHEET 4 OF 4			
PROJECT No.				18D0062			
DRAWING No.		REVISION		SCALE		ISSUED DATE	
05D		P		AS SHOWN		19.05.2021	
CDD DRAWN BY		CHECKED BY		APPROVED BY		DATE	
DW		LM		DH			
ISSUED				DATE			
P				20/05/21			
REV				DATE			
1				20/05/21			
2				20/05/21			
3				20/05/21			
4				20/05/21			
5				20/05/21			
6				20/05/21			
7				20/05/21			
8				20/05/21			
9				20/05/21			
10				20/05/21			
11				20/05/21			
12				20/05/21			
13				20/05/21			
14				20/05/21			
15				20/05/21			
16				20/05/21			
17				20/05/21			
18				20/05/21			
19				20/05/21			
20				20/05/21			
21				20/05/21			
22				20/05/21			
23				20/05/21			
24				20/05/21			
25				20/05/21			
26				20/05/21			
27				20/05/21			
28				20/05/21			
29				20/05/21			
30				20/05/21			
31				20/05/21			
32				20/05/21			
33				20/05/21			
34				20/05/21			
35				20/05/21			
36				20/05/21			
37				20/05/21			
38				20/05/21			
39				20/05/21			
40				20/05/21			
41				20/05/21			
42				20/05/21			
43				20/05/21			
44				20/05/21			
45				20/05/21			
46				20/05/21			
47				20/05/21			
48				20/05/21			
49				20/05/21			
50				20/05/21			
51				20/05/21			
52				20/05/21			
53				20/05/21			
54				20/05/21			
55				20/05/21			
56				20/05/21			
57				20/05/21			
58				20/05/21			
59				20/05/21			
60				20/05/21			
61				20/05/21			
62				20/05/21			
63				20/05/21			
64				20/05/21			
65				20/05/21			
66				20/05/21			
67				20/05/21			
68				20/05/21			
69				20/05/21			
70				20/05/21			
71				20/05/21			
72				20/05/21			
73				20/05/21			
74				20/05/21			
75				20/05/21			
76				20/05/21			
77				20/05/21			
78				20/05/21			
79				20/05/21			
80				20/05/21			
81				20/05/21			
82				20/05/21			
83				20/05/21			
84				20/05/21			
85				20/05/21			
86				20/05/21			
87				20/05/21			
88				20/05/21			
89				20/05/21			
90				20/05/21			
91				20/05/21			
92				20/05/21			
93				20/05/21			
94				20/05/21			
95				20/05/21			
96				20/05/21			
97				20/05/21			
98				20/05/21			
99				20/05/21			
100				20/05/21			