

NOTE: Contractor to include for the preparation and submission of a verification report detailing to the drainage installation. The purpose of the report is to fully discharge Planning Condition 4 and provide certain information and evidence (including photographs of details and location of all elements) please refer to the Planning Conditions for further details.

NOTE: Contractor to allow separate price within the Tender for 100% of French Drain and flow PVC's to apply to be ordered on the drawings. Allow for 1m deep & 0.3m wide trench.

NOTE: In view of the importance of the layout of information on the drawings i.e. CCTV survey and report, coordinates to all drainage features to be provided in MS Excel format.

NOTE: Contractor to comply with the conditions of the OVC consent. Contractor will need to secure a fully installed method statement for the work and give KCC site access before commencement.

300. New 300mm dia (Class 2 bedding) to maintain overland flow path. Lay to match existing ground levels (+1 in 60), with basecoat headwalls. All pipes to be fitted with internal weevil guards.

FOR CONTINUATION REFER TO EXTRACT BELOW

- NOTES**
- This drawing to be read in conjunction with all relevant Architects and Engineers drawings and the Specifications.
 - Do not scale this drawing.
 - For Road Setting Out refer to drawings 402.02845.0005/20 and 21.
 - For Setting Out Co-ordinates refer to drawing 402.02845.0005/22.
 - For Road Levels, please refer to Drgs. 402.02845.0005/23 and 24.
 - For Road Construction Details, please refer to Drgs. 402.02845.0005/25 and 26.
 - For drainage layout around the crematorium please refer to Drg. 402.02845.0005/28.
 - While in view, Lamp posts & Signs are shown indicatively. Design and details are by others.
 - The Contractor is to remain responsible for the temporary works and ensuring stability is maintained throughout the works.
 - Note that the background level information is the topographical survey data of the existing site.
 - All drainage to be historic certified and installed in accordance with the latest edition of Sewers for Adoption and Design and Construction Guidance (S202).

LEGEND

	SITE ACCESS ROAD Demolish existing maximum construction Refer to drawing 402.02845.0005/25 for details.
	CREMATORIUM ROADS Demolish existing maximum construction Refer to drawing 402.02845.0005/21 for details.
	MAIN FOOTPATHS Demolish existing maximum construction Refer to drawing 402.02845.0005/25 for details.
	PERMISSIBLE CONSTRUCTION TO CAR PARKS Refer to drawing 402.02845.0005/25 for details.
	TACTILE PAVING Refer to drawing 402.02845.0005/26 for details.
	PATHS & LOCAL TRAIL/LE AND BICYCLE PATHS Demolish existing maximum construction Refer to drawing 402.02845.0005/25 for details.
	APPROX TO SERVICE YARD Reinstated concrete Refer to drawing 402.02845.0005/26 for details.
	GRASS/CONSTRUCTION TO OVERFLOW CAR PARKS Refer to drawing 402.02845.0005/25 for details.

KERB REFERENCES

NOTE:
All PC kerbs are to BS EN 1340:2003

NOTE:
For details / highways details, please refer to drawings and Specification by Peter Evans Partnership.

Refer to drawing 402.02845.0005/26 for further details. To be retained or to be replaced by:
 • 3m x 2m x 0.25m (max) curb to be retained to serve both the road and the footpath.
 • 3m x 2m x 0.25m (max) curb to be replaced by 3m x 2m x 0.25m (max) curb to be retained to serve both the road and the footpath.
 • 3m x 2m x 0.25m (max) curb to be replaced by 3m x 2m x 0.25m (max) curb to be retained to serve both the road and the footpath.

New PC culvert, internal dimensions of 0.6m high x 1.2m wide by FP McCann. Use complementary PC headwalls with manhole base slab.

'Cobble' rubble strip across site entrance. Refer to detail on drawing 28.

Use SP2 to HB2 transition kerb.

Use HB2 to BN transition kerb.

Use HB2 to BN transition kerb.

Gates and fencing to details by Others.

CD	SEC	DATE	BY	DESCRIPTION
T4	SH	2024	10/11/24	REVISION 1: UPDATE DRAWING TO REFLECT LATEST INFORMATION
T3	SKR	2024	10/11/24	REVISION 2: UPDATE DRAWING TO REFLECT LATEST INFORMATION
T2	SEC	2024	10/11/24	REVISION 3: UPDATE DRAWING TO REFLECT LATEST INFORMATION
T1	SEC	2024	10/11/24	REVISION 4: UPDATE DRAWING TO REFLECT LATEST INFORMATION
T0	SEC	2024	10/11/24	REVISION 5: UPDATE DRAWING TO REFLECT LATEST INFORMATION

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HERNLEY BAY CREMATORIUM
BUILDINGSTONE ROAD, HERNLEY BAY, KENT

Project: HERNLEY BAY CREMATORIUM

ROAD & BUILDING DRAINAGE

SHEET 1 OF 2

Scale: 1:200 @ A1

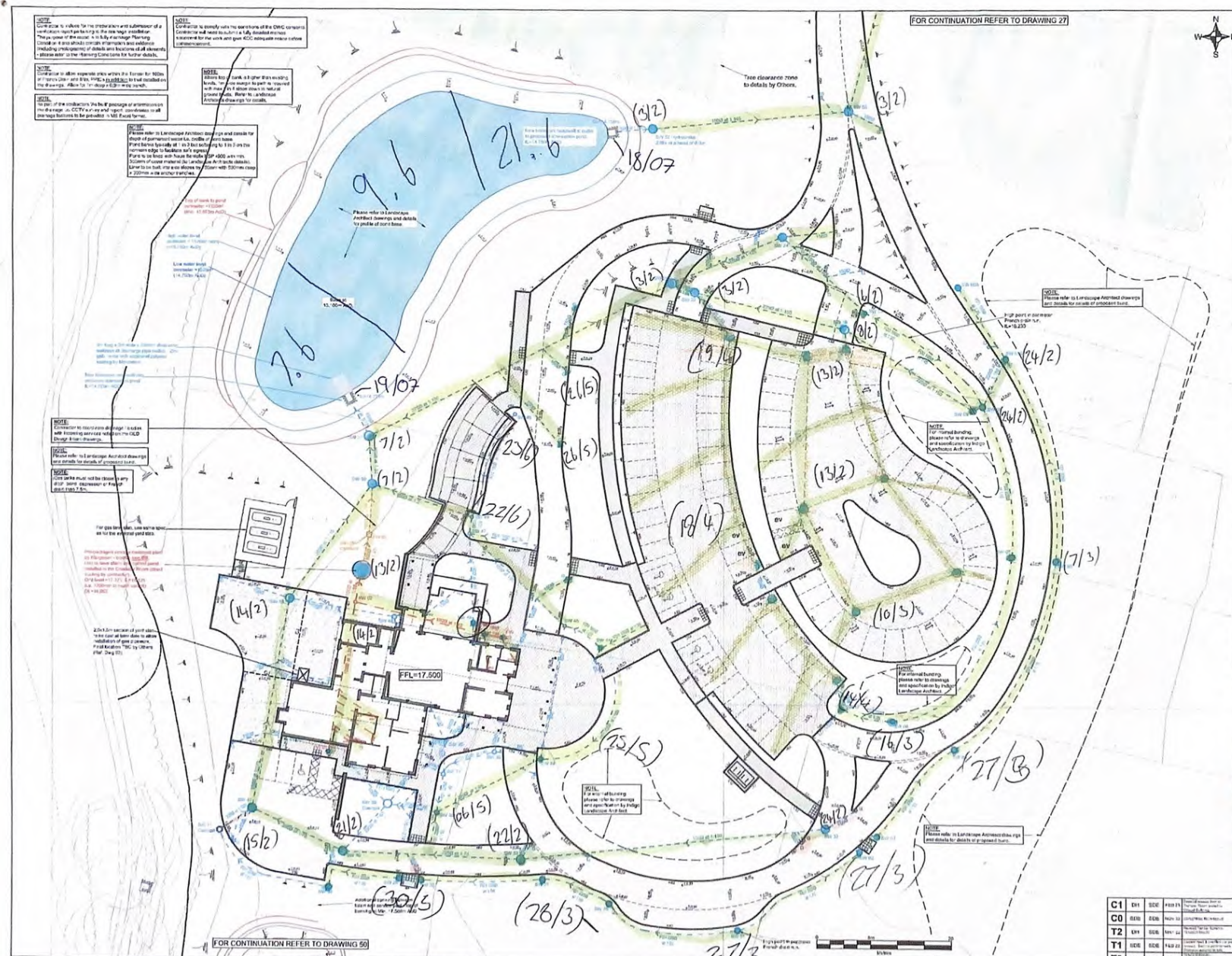
Issue: 10/11/24

Drawn: [Name]

Checked: [Name]

402.02845.0005/27

CONSTRUCTION



FOR CONTINUATION REFER TO DRAWING 27



- NOTES**
- This drawing to be made in conjunction with all relevant Architects and Engineers drawings and the Specifications.
 - Do not block any drainage.
 - For Road Section Cut refer to drawings 402.02845.0005020 and 21.
 - For Section Out Coordinates refer to drawing 402.02845.0005020.
 - For Road Details, please refer to Dwg. 402.02845.0005020 and 24.
 - For Road Construction Details, please refer to Dwg. 402.02845.0005020 and 25.
 - For drainage layout away from the construction please refer to Dwg. 402.02845.0005020.
 - White Lines, Lamp posts & Benches are shown indicatively. Design and details are by others.
 - The Contractor is to remain responsible for the temporary works and ensuring stability for maintenance throughout the works.
 - Note that the background level information is the topographical survey data of the existing site.
 - All drainage to be checked, certified and installed in accordance with the latest edition of Storm's for Adoption and Design and Construction Guidelines (DCG).

- LEGEND**
- SEW ACC-15 ROAD: Shows the location of sewer construction for to drawing 402.02845.0005020 for details.
 - CONCRETE/ASPHALT ROADS: Shows the location of roads construction for to drawing 402.02845.0005020 for details.
 - ROAD FOOT-PATHS: Shows the location of footpaths construction for to drawing 402.02845.0005020 for details.
 - PERMISSIBLE CONSTRUCTION TO EXISTING: Refer to drawing 402.02845.0005020 for details.
 - FACTS 8 PAVING: Shows the location of paving construction for to drawing 402.02845.0005020 for details.
 - FACTS 8 ROAD: Shows the location of road construction for to drawing 402.02845.0005020 for details.
 - APPROX TO SERVICE YARD: Shows the location of service yard construction for to drawing 402.02845.0005020 for details.
 - PERMISSIBLE CONSTRUCTION TO EXISTING: Refer to drawing 402.02845.0005020 for details.

- KEY REFERENCE**
- NOTE:
All PC kerbs are to BS EN 1240:2003
- H2 = PC Kerb - Raised
 - T1 = Transition Kerb (PC or Conservation Kerb to suit location)
 - DK = Disposed Kerb (PC or Conservation Kerb to suit location)
 - CK-R = Conservation Kerb - Raised
 - CK-F = Conservation Kerb - Flush
 - FK = PC Kerb - Flush
 - CK2 = PC Kerb - Flush (with kerb reversal)
 - SP2 = PC Kerb - Flush
 - CK-FV = PC Kerb - Flush (with kerb reversal)
 - CK-FV = Conservation Kerb - Flush (with kerb reversal)
- Refer to details on drawing 402.02845.0005020.
- Indicates proposed Foot Water Drainage.
 - Indicates treated Foot Water Drainage.
 - Indicates proposed Surface Water Drainage.
 - Indicates proposed French Drain.
 - Indicates kerb drainage.
 - Indicates landscaping drainage.

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THE BAY CHEMISTRIES
BALLOCKSTONE ROAD, HERVEY BAY KEYS
HERVEY BAY CHEMISTRIES




ROAD AND BUILDING DRAINAGE SHEET 2 OF 2

C1	DR	SE	15/01/11	Project Manager
C0	DR	SE	15/01/11	Project Manager
T2	DR	SE	15/01/11	Project Manager
T1	DR	SE	15/01/11	Project Manager
T0	DR	SE	15/01/11	Project Manager

402.02845.0005020 C1

CONSTRUCTION

Installation Document of Various Drainage

Drainage Ref:	Invert Level	Photograph	Date:	IL
Culvert W/ Sandbag Headwall			13/03/2023	
Brick Headwall for SW 58			20/07/2023	13.825m
PCC Culvert			17/03/2023	

<p>Sandbag Headwall for Road Gully</p>		<p>12/07/2023</p>	<p>14.235m</p>
<p>Swale</p>		<p>06/02/2023</p>	
<p>Brick Headwall for SW52</p>		<p>18/07/2023</p>	<p>14.75m</p>
<p>Pond</p>		<p>15/06/2023</p>	

Area :- SWSI and Pond headwall

Date :- 3.8.23

	Correct	Incorrect	Comments
Excavation			
Check that plans and specification are current and show critical dimensions	✓		
Any trench deeper than 1200mm must be properly shored. Do not have trenches open for any longer than absolutely necessary	✓		
How will pipe alignment be controlled, laser?	✓		
All foundations must bear onto virgin stable sub-soil	✓		
Excavation Level / Alignment	✓		
Excavation Dimensions	✓		
Excavation Sides / Base Stable	✓		
Obstructions Removed	✓		
Bedding Materials			
Compacted Into Soft Spots In Excavation	✓		
Type Of Material	✓		
Depth Of Material	✓		
Material Forms Gradient & Even Bed	✓		
Pipe Laying and Jointing			
Pipe Type & Material	✓		
Pipe Level & Gradient, pipe should be settled into the bedding or have the bedding packed beneath it until it is at the correct alignment and level as indicated by the guide line	✓		
Pipe Jointing. Pipes and fittings that have been cut to have the cut end chamfered on-site	✓		
Any cut is 'square' to the rest of the pipe or fitting	✓		
Lubrication At Joints	✓		
Movement Joints Placed	✓		
Backfilling			
Type Of Material	✓		
Depth Of Material	✓		
Compaction	✓		
Testing			
Pipeline Clean Prior To Test			

Air Test Of Section After Backfilling			
Water Test (Ensure Plugs Removed After Test)			
Does pipe run require protection from site traffic?			

Approved By :- D. Clark

Date :- 3.5.23

Attach test records for pipe runs

Note:

All drainage pipes and other materials will be stored in storage areas allocated on site to ensure the materials used are clean prior to installation.

All steps and necessary actions will be taken to prevent silt water, oily runoff in accordance with the PPG6 guidelines. (Document now withdrawn and due to be replaced by GPP6. Continue to use for guidance only)

All Plant and machinery will be serviced within the compound areas. All fuel tanks are kept away from the drainage systems and refuelling of the plant will be limited within the site compound. Valves and hoses of the machinery will be checked to ensure that they are turned off when not in use



Drainage

Area: Final

Sheet: S735

	Check	Install	Accept
Excavation			
Clear and grade excavation with correct and approved dimensions	/		
Any other excavation (bottom outside, trench, etc.) should have the same level of care regarding the installation	/		
Prove all pipe alignment by stringing level	/		
All foundations must be set on approved subgrade	/		
Excavation Level Alignment	/		
Excavation Dimensions	/		
Excavation (Clear) Base Grade	/		
Excavation Removal	/		
Bedding Materials			
Compliance with GFI System Schedule	/		
Type of Material	/		
Depth of Material	/		
Material Form (Condition of Cover) etc.	/		
Pipe Laying and Setting			
Pipe Type of Material	/		
Pipe Level & Gradient (pipe should be settled into the bedding, or have the bedding packed beneath it until it is at the correct alignment and level as indicated on the grade file)	/		
Pipe Laying - Pipes and fittings that have been used to have the correct classified grade	/		
Any cut is square to the rest of the pipe or fitting	/		
Lubrication (if used)	/		
Movement Joints (Pre-set)	/		
Backfilling			
Type of Material	/		
Depth of Material	/		
Compaction	/		
Testing			
Pipeline Clean Prior To Test			

Air Test Of Section After Backfilling			
Water Test (Ensure Plugs Removed After Test)			
Does pipe run require protection from site traffic?			

Approved By :- D. Conn

Date :- 5.7.26

Attach test records for pipe runs

Note:

All drainage pipes and other materials will be stored in storage areas allocated on site to ensure the materials used are clean prior to installation.

All steps and necessary actions will be taken to prevent silt water, oily runoff in accordance with the PPG6 guidelines. (Document now withdrawn and due to be replaced by GPP6. Continue to use for guidance only)

All Plant and machinery will be serviced within the compound areas. All fuel tanks are kept away from the drainage systems and refuelling of the plant will be limited within the site compound. Valves and hoses of the machinery will be checked to ensure that they are turned off when not in use



Drainage

Area :- SUS3, S2

Date: 3.2.23

	Correct	Incorrect	Comments
Excavation			
Check that plans and specification are current and show critical dimensions	✓		
Any trench deeper than 1200mm must be properly shored. Do not have trenches open for any longer than absolutely necessary	✓		
How will pipe alignment be controlled, laser?	✓		
All foundations must bear onto virgin stable sub-soil	✓		
Excavation Level / Alignment	✓		
Excavation Dimensions	✓		
Excavation Sides / Base Stable	✓		
Obstructions Removed	✓		
Bedding Materials			
Compacted Into Soft Spots In Excavation	✓		
Type Of Material	✓		
Depth Of Material	✓		
Material Forms Gradient & Even Bed	✓		
Pipe Laying and Jointing			
Pipe Type & Material	✓		
Pipe Level & Gradient, pipe should be settled into the bedding or have the bedding packed beneath it until it is at the correct alignment and level as indicated by the guide line	✓		
Pipe Jointing. Pipes and fittings that have been cut to have the cut end chamfered on-site	✓		
Any cut is 'square' to the rest of the pipe or fitting	✓		
Lubrication At Joints	✓		
Movement Joints Placed	✓		
Backfilling			
Type Of Material	✓		
Depth Of Material	✓		
Compaction	✓		
Testing			
Pipeline Clean Prior To Test			

Air Test Of Section After Backfilling			
Water Test (Ensure Plugs Removed After Test)			
Does pipe run require protection from site traffic?			

Approved By :- D. Clark

Date :- 3.2.23

Attach test records for pipe runs

Note:

All drainage pipes and other materials will be stored in storage areas allocated on site to ensure the materials used are clean prior to installation.

All steps and necessary actions will be taken to prevent silt water, oily runoff in accordance with the PPG6 guidelines. (Document now withdrawn and due to be replaced by GPP6. Continue to use for guidance only)

All Plant and machinery will be serviced within the compound areas. All fuel tanks are kept away from the drainage systems and refuelling of the plant will be limited within the site compound. Valves and hoses of the machinery will be checked to ensure that they are turned off when not in use

Area :- swale and swale headwalls Date: 24.3.23

	Correct	Incorrect	Comments
Excavation			
Check that plans and specification are current and show critical dimensions	✓		
Any trench deeper than 1200mm must be properly shored. Do not have trenches open for any longer than absolutely necessary	✓		
How will pipe alignment be controlled, laser?	✓		
All foundations must bear onto virgin stable sub-soil	✓		
Excavation Level / Alignment	✓		
Excavation Dimensions	✓		
Excavation Sides / Base Stable	✓		
Obstructions Removed	✓		
Bedding Materials			
Compacted Into Soft Spots In Excavation	✓		
Type Of Material	✓		
Depth Of Material	✓		
Material Forms Gradient & Even Bed	✓		
Pipe Laying and Jointing			
Pipe Type & Material	✓		
Pipe Level & Gradient, pipe should be settled into the bedding or have the bedding packed beneath it until it is at the correct alignment and level as indicated by the guide line	✓		
Pipe Jointing. Pipes and fittings that have been cut to have the cut end chamfered on-site	✓		
Any cut is 'square' to the rest of the pipe or fitting	✓		
Lubrication At Joints	✓		
Movement Joints Placed	✓		
Backfilling			
Type Of Material	✓		
Depth Of Material	✓		
Compaction	✓		
Testing			
Pipeline Clean Prior To Test			

Air Test Of Section After Backfilling			
Water Test (Ensure Plugs Removed After Test)			
Does pipe run require protection from site traffic?			

Approved By :- D. Corbett

Date :- 24.3.23

Attach test records for pipe runs

Note:

All drainage pipes and other materials will be stored in storage areas allocated on site to ensure the materials used are clean prior to installation.

All steps and necessary actions will be taken to prevent silt water, oily runoff in accordance with the PPG6 guidelines. (Document now withdrawn and due to be replaced by GPP6. Continue to use for guidance only)

All Plant and machinery will be serviced within the compound areas. All fuel tanks are kept away from the drainage systems and refuelling of the plant will be limited within the site compound. Valves and hoses of the machinery will be checked to ensure that they are turned off when not in use

Area :- Overstand slow route

Date:- 14.2.23

	Correct	Incorrect	Comments
Excavation			
Check that plans and specification are current and show critical dimensions	✓		
Any trench deeper than 1200mm must be properly shored. Do not have trenches open for any longer than absolutely necessary	✓		
How will pipe alignment be controlled, laser?	✓		
All foundations must bear onto virgin stable sub-soil	✓		
Excavation Level / Alignment	✓		
Excavation Dimensions	✓		
Excavation Sides / Base Stable	✓		
Obstructions Removed	✓		
Bedding Materials			
Compacted Into Soft Spots In Excavation	✓		
Type Of Material	✓		
Depth Of Material	✓		
Material Forms Gradient & Even Bed	✓		
Pipe Laying and Jointing			
Pipe Type & Material	✓		
Pipe Level & Gradient, pipe should be settled into the bedding or have the bedding packed beneath it until it is at the correct alignment and level as indicated by the guide line	✓		
Pipe Jointing. Pipes and fittings that have been cut to have the cut end chamfered on-site	✓		
Any cut is 'square' to the rest of the pipe or fitting	✓		
Lubrication At Joints	✓		
Movement Joints Placed	✓		
Backfilling			
Type Of Material	✓		
Depth Of Material	✓		
Compaction	✓		
Testing			
Pipeline Clean Prior To Test			

Air Test Of Section After Backfilling			
Water Test (Ensure Plugs Removed After Test)			
Does pipe run require protection from site traffic?			

Approved By :- D. Clark

Date :- 14.2.23

Attach test records for pipe runs

Note:

All drainage pipes and other materials will be stored in storage areas allocated on site to ensure the materials used are clean prior to installation.

All steps and necessary actions will be taken to prevent silt water, oily runoff in accordance with the PPG6 guidelines. (Document now withdrawn and due to be replaced by GPP6. Continue to use for guidance only)

All Plant and machinery will be serviced within the compound areas. All fuel tanks are kept away from the drainage systems and refuelling of the plant will be limited within the site compound. Valves and hoses of the machinery will be checked to ensure that they are turned off when not in use

Area :- SW56 to SS

Date:- 23.2.23

	Correct	Incorrect	Comments
Excavation			
Check that plans and specification are current and show critical dimensions	✓		
Any trench deeper than 1200mm must be properly shored. Do not have trenches open for any longer than absolutely necessary	✓		
How will pipe alignment be controlled, laser?	✓		
All foundations must bear onto virgin stable sub-soil	✓		
Excavation Level / Alignment	✓		
Excavation Dimensions	✓		
Excavation Sides / Base Stable	✓		
Obstructions Removed	✓		
Bedding Materials			
Compacted Into Soft Spots In Excavation	✓		
Type Of Material	✓		
Depth Of Material	✓		
Material Forms Gradient & Even Bed	✓		
Pipe Laying and Jointing			
Pipe Type & Material	✓		
Pipe Level & Gradient; pipe should be settled into the bedding or have the bedding packed beneath it until it is at the correct alignment and level as indicated by the guide line	✓		
Pipe Jointing. Pipes and fittings that have been cut to have the cut end chamfered on-site	✓		
Any cut is 'square' to the rest of the pipe or fitting	✓		
Lubrication At Joints	✓		
Movement Joints Placed	✓		
Backfilling			
Type Of Material	✓		
Depth Of Material	✓		
Compaction	✓		
Testing			
Pipeline Clean Prior To Test			

Air Test Of Section After Backfilling			
Water Test (Ensure Plugs Removed After Test)			
Does pipe run require protection from site traffic?			

Approved By :- D. Clerk

Date :- 23.2.23

Attach test records for pipe runs

Note:

All drainage pipes and other materials will be stored in storage areas allocated on site to ensure the materials used are clean prior to installation.

All steps and necessary actions will be taken to prevent silt water, oily runoff in accordance with the PPG6 guidelines. (Document now withdrawn and due to be replaced by GPP6. Continue to use for guidance only)

All Plant and machinery will be serviced within the compound areas. All fuel tanks are kept away from the drainage systems and refuelling of the plant will be limited within the site compound. Valves and hoses of the machinery will be checked to ensure that they are turned off when not in use

Area :- Covert

Date:- 28.3.23

	Correct	Incorrect	Comments
Excavation			
Check that plans and specification are current and show critical dimensions	✓		
Any trench deeper than 1200mm must be properly shored. Do not have trenches open for any longer than absolutely necessary	✓		
How will pipe alignment be controlled, laser?	✓		
All foundations must bear onto virgin stable sub-soil	✓		
Excavation Level / Alignment	✓		
Excavation Dimensions	✓		
Excavation Sides / Base Stable	✓		
Obstructions Removed	✓		
Bedding Materials			
Compacted Into Soft Spots In Excavation	✓		
Type Of Material	✓		
Depth Of Material	✓		
Material Forms Gradient & Even Bed	✓		
Pipe Laying and Jointing			
Pipe Type & Material	✓		
Pipe Level & Gradient, pipe should be settled into the bedding or have the bedding packed beneath it until it is at the correct alignment and level as indicated by the guide line	✓		
Pipe Jointing. Pipes and fittings that have been cut to have the cut end chamfered on-site	✓		
Any cut is 'square' to the rest of the pipe or fitting	✓		
Lubrication At Joints	✓		
Movement Joints Placed	✓		
Backfilling			
Type Of Material	✓		
Depth Of Material	✓		
Compaction	✓		
Testing			
Pipeline Clean Prior To Test			

Air Test Of Section After Backfilling			
Water Test (Ensure Plugs Removed After Test)			
Does pipe run require protection from site traffic?			

Approved By :- D. Datta

Date :- 26.3.23

Attach test records for pipe runs

Note:

All drainage pipes and other materials will be stored in storage areas allocated on site to ensure the materials used are clean prior to installation.

All steps and necessary actions will be taken to prevent silt water, oily runoff in accordance with the PPG6 guidelines. (Document now withdrawn and due to be replaced by GPP6. Continue to use for guidance only)

All Plant and machinery will be serviced within the compound areas. All fuel tanks are kept away from the drainage systems and refuelling of the plant will be limited within the site compound. Valves and hoses of the machinery will be checked to ensure that they are turned off when not in use