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# HEREFORDSHIRE PUBLIC REALM CONTRACT 2023/24

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## ANNEX 7 – MANAGING WATER ON THE NETWORK

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### ANNUAL PLAN FINAL APPROVAL

BBLP: James Fishlock – 27/03/2023

HC:

### SERVICE OVERVIEW

#### SERVICE SUMMARY

Balfour Beatty Living Places (BBLP) will undertake Asset Management and Delivery of Capital and Reactive Drainage services on the Highway Public Realm Contract which are the responsibility of Herefordshire Council (HC). BBLP will also support HC as a Lead Flood Authority.

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**COMMISSIONED WORKS**

The annex shall deliver all activities and works as set out in Schedule 4 – Service Information: Annex 08 - Service Information Highway Drainage V1.1, Annex 10 - Service Information Land Drainage V1.1, Annex 11 - Service Information Flood Risk Management, Annex 12 - Service Information Highway Network Improvements V1.5, unless detailed as out of scope below.

**THE SERVICE****HIGH LEVEL SERVICE DELIVERY**

SERVICE	RESOURCES (PEOPLE, PLANT, SYSTEMS)	DIRECT/ SUBCONTRACT	DELIVERY	COST
Fee				<b>Capital -</b> £60,789.88 <b>Revenue –</b> £109,691.49
LMO				N/A

<p>Capital Drainage Schemes 2023-2024</p>	<p>BBLP Design and Capital Delivery Staff, supported by SUBCONTRACT where necessary</p>	<p>BBLP Direct and SUBCONTRACT where necessary</p>	<p>Investigations, Feasibility, Design, Project Management and Delivery of Highways Drainage schemes at various locations in Herefordshire which were developed from AMX data.</p> <p>The Schemes in 2023 2024, with the budget set, are most which have been carried forward from 2022 2022 Annual Plan which were not built in the previous Annual Plan due to Budget and Third-Party Land Issues</p> <p>Location Details shown in Appendix B which includes Carry over 2021 2022 Schemes</p>	<p>£350,000.00</p>
<p>Capital Drainage &amp; Flood Asset Management</p>	<p>BBLP Asset Management Drainage Team which includes Snr Drainage Engineer, Drainage Engineer &amp; 3 No Technicians as necessary</p>	<p>BBLP Direct</p>	<p>Management of the Asset Data Programme system to inform of current and future works programming. In addition, includes site reviews to confirm requirements.</p>	<p>£31,882.41</p>
<p>Capital Highway Drainage Enquiries</p>	<p>BBLP Asset Management Drainage Team which includes Snr Drainage Engineer, 3 No Technicians as necessary</p>	<p>BBLP Direct</p>	<p>This is for 3No BBLP Drainage Technicians to respond to enquires raised by members of the public in-year relating to Highways Drainage. It includes public liaison, inspection of issues and determination and prioritisation of solutions which in turn will inform the Asset Management Programme of works.</p>	<p>£140,311.83</p>

<p>Capital Drainage Asset Inspections</p>	<p>BBLP Asset Management Drainage Team which includes Snr Drainage Engineer, 3 No Technicians as necessary</p>	<p>BBLP Direct and Subcontract for Reservoir Inspection</p>	<p>Inspections are undertaken by the 3 No Drainage Technicians in year to update the knowledge and condition of the “critical assets in the network”. This allows the Asset Management Drainage Team to then prioritise for cleansing and capital maintenance.</p> <p>A number of assets will be inspected during the period (course of the year) in the two Northern, Southern and Central/Southern sectors of the County.</p> <p>This Includes Diving inspections (Currently the number of enquiries that are being received and the level of service requirements mean that the Technicians are prioritising responses over inspections)</p> <p>These assets and their period of inspection are listed in Appendix C.</p> <p>Includes within this is a biennial Principal Inspection of Ross on Wye Flood Alleviation Scheme and an allowance for subcontractors</p> <p>Within this area of service, it also includes for a Reservoir Engineer Inspection and Topographical Survey at Marsh Farm FSA, Ross on Wye</p>	<p>£79,246.28</p>
<p>Capital Yazor FAS Duck Ramp</p>	<p>BBLP Design and Capital Delivery staff</p>	<p>BBLP Direct</p>	<p>Provision of a Duck Ramp to mitigate environmental issue at inlet weir</p>	<p>£10,000.00</p>

Capital Yazor FAS flood monitoring	BBLP Design staff	BBLP Direct and Subcontract	Feasibility Study for renewal of flow and level gauges	£22,001.00
Revenue Grill Inspections and clearance	BBLP Capital Delivery Manager, Capital Delivery Team Supervisor and 2 No Operatives (Fleet is Transit Tipper and small tools)	BBLP Direct	<p>Drainage Grill Inspections are undertaken by the Delivery Team on a Monthly Rota to ensure their integrity and efficiency.</p> <p>In addition to this Grills are reviewed pre and post severe weather events (this cost allows for an additional 3 visits to all culverts in year)</p> <p>These are listed and mapped in Appendix C.</p> <p>Where clearing is required, this is completed at time of the inspection.</p>	£41,337.81
Revenue Pump Station Annual Maintenance	BBLP Asset Management Snr Drainage Engineer. And Subcontract Support (Hereford Rewinds)	BBLP Direct and SUBCONTRACT	<p>Mechanical and Electrical Inspections and Servicing costs for 4 pumping stations with comments on the structural condition of the asset. This is carried out by a specialist subcontractor twice a year at each station who BBLP manage and monitor.</p> <p>Any Works identified during inspections is not accounted for within this service cost.</p> <p>These are listed and mapped in Appendix C.</p>	£10,543.68
Revenue Reservoir Engineer Annual Check	Specialist Approved Engineer	Subconsultant	Undertaking the statutory reservoir engineer check.	£3,789.14

Revenue Flooding Investigations (Section 19),	BBLP Asset Management Drainage Team which includes Snr Drainage Engineer, and Consultancy as Necessary	BBLP Direct	This relates to undertaking the provision of technical support as the Lead Local Flood Authority (LLFA) in relation to Section 19 obligations.  This budget allows for one Section 19 report to be developed by Asset	£6,996.13
Revenue Land Drainage / Riparian Enquiries/Landowner and other body (e.g., network rail) Asset Inspections/ Water Course Consenting	BBLP Asset Management Drainage Team which includes Snr Drainage Engineer, 3 No Technicians as necessary	Direct	This activity is in relation to the Drainage Asset Management Team responding (Snr Eng. and 3 Techs) to land drainage enquires, originating both from HC and other parties and progressing issues towards resolution. These enquiries require interaction with 3 <sup>rd</sup> Party (landowners, network rail etc).  This item also covers Providing consents by the Drainage Asset Management Team, for working in ordinary watercourses	£35,215.89
Revenue Network Encroachments	BBLP Asset Management Drainage Team which includes Snr Drainage Engineer, 3 No Technicians as necessary	Direct	An amount of time allocated for the Asset Management Team (Snr Eng., and 3 Techs) to aid HC in resolving legacy issues associated with planning permissions and the network	£6,464.87

<p>Revenue Routine Reactive Drainage Maintenance</p>	<p>BBLP Reactive Jetting Team which includes 1 County Wide Work Gang, Reactive Ditch and Grip Maintenance which includes 1 County Wide Work Gang, Cyclical and Re-active Rotary Ditching which includes 1 County Wide Work Gang. BBLP Cyclical Gully Maintenance which includes 1 County wide Work Gang</p>	<p>BBLP Direct and SUBCONTRACT</p>	<p>Reactive and Routine Drainage includes:</p> <ul style="list-style-type: none"> <li>• Reactive Drainage Gully Cleansing</li> <li>• Routine and Reactive Ditching and Grips Countywide</li> <li>• Rotary Ditcher</li> <li>• Gulley Cleanse programme</li> </ul>	<p>£755,776.51</p>
<p>Revenue Culvert Cleaning</p>	<p>BBLP Asset Management Drainage Team which includes Snr Drainage Engineer and Capital Delivery Manager, Capital Delivery Supervisor and Subcontract Specialists as required (On-site or Another)</p>	<p>BBLP Direct and SUBCONTRACT</p>	<p>This reactive cost item is for Culvert and Water course Cleansing/unblocking identified following culvert inspections and enquiries.</p>	<p>£11,696.60</p>
<p>Revenue Water Course Clearance HC Land</p>	<p>BBLP Asset Management Drainage Team which includes Snr Drainage Engineer and Subcontract as needed</p>	<p>BBLP Direct and SUBCONTRACT as necessary (TBA)</p>	<p>Undertaking reactive clearance of HC Water Courses as requested</p>	<p>£8,708.95</p>

<p>Revenue Development Control: Planning Flooding Advice</p>	<p>BBLP Asset Management Drainage Team which includes Snr Drainage Engineer and Consultants as necessary (WSP or another)</p>	<p>BBLP Direct and SUBCONTRACT</p>	<p>This allows for the Asset Management Team to undertake responses to technical reviews and flooding risk commentary to planning applications.  Incl. Micro drainage Licencing Fees £10k</p>	<p>£133,157.148  (Anticipated cost, funded from HC development control)</p>
<p>Grant Applications In year 2023-2024 EA/External Funding Opportunities Managed through Asset Management Senior Drainage Engineer.</p>	<p>BBLP Asset Management Snr Drainage Engineer</p>	<p>BBLP Direct</p>	<p><b>EA Pipeline FRM Hoarwithy</b>  Preparation, submission of EA grant funding application to undertake:  Flood alleviation feasibility study  <b>EA Pipeline FRM Scheme Yazor Brook –</b>  Preparation and submission of EA grant funding application for work on culverted sections of Yazor Brook  <b>EA Pipeline FRM Scheme – Eardisley – Outline Design</b>  Preparation and submission of EA grant funding application to undertake detailed design of flood alleviation scheme  <b>EA Pipeline FRM Scheme – Withy Brook</b>  Preparation and submission of EA grant funding application to undertake flood alleviation feasibility study</p>	<p>£12,000.00 for all</p>



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**OUT OF SCOPE ACTIVITIES**

The activities or works are out of scope:

<b>Service/Activity Removed</b>	<b>Reason</b>
Annex 10 Land Drainage – Preparations for Flood and Flood response	The routine issuing of sandbags service was removed from the commissioned Public Realm Services due to funding constraints and is now on an exceptional basis.

## APPENDICES

## APPENDIX A: BBLP POLICY AND PROCESSES TO BE USED IN DELIVERY OF THE ANNEX

## PROCESSES

The policy and processes that will be utilised in delivery this service is outlined in the TAMP, HMP, Drainage Lifecycle Plan and Drainage Quality Plan.

The prioritisation scoring methodology that will be utilised to select schemes for the Annual Plan will be as follows:

Note: the impact of the defect should be considered based on all seasons i.e., if a drain is blocked and it is assessed in a dry period, the impact of defect in a wet period should be considered.

**Risk & Impact Scoring, max score: 100**

<b>Drainage Safety</b>	<b>Points</b>	
Confirmed accident due to/exacerbated by defect	40	
Defect likely to result in high risk of accident or report of safety issue from Emergency Services	25	
Other minor safety issues	10	
No Safety Issues	0	
Sub-total:	/40	

<b>Structural Stability</b>	<b>Points</b>	
Defect causing instability of HC or 3 <sup>rd</sup> Party Asset – instability imminent or already failed. Indications of failure mechanism are evident. Or Defect leads to permanent road closure	25	
Defect causing instability of HC or 3 <sup>rd</sup> Party Asset – instability likely in medium term (1yr). Asset remains fully functional.	10	
Defect not causing instability	0	
Sub-total:	/25	

<b>Highway Impact</b>	<b>Points</b>	
A Roads or Main distributor B Roads	10	
B Roads	7	
C Roads	5	
Unclassified Roads	2	
Score	/10	

Property Flooding	Points	
Internal Property Flood or any Foul Flood	25	
Business impacted by Flooding	15	
Multiple External Property Floods	10	
Single External Property Flood	5	
Sub-total:	/25	

### Drainage Prioritisation Value Management Scoring

For Category 2 defects the Asset Management team will review the Locality Steward's risk assessment and apply the following additional considerations, to develop a max score out of 100:

Social & Economic	Points	
Flooding in vicinity of Critical Services or Infrastructure e.g. schools or hospitals. Potential for loss of outstanding legal claim.	+15	
Critical route affected within urban area, part of strategic network or vital community link	+10	
Complete flooding or splashing of footways near property	+10	

Deliverability	Points	
Low value works (£3k) or simplistic scheme	+5	
Requires excavation in carriageway that's had surfacing works carried out in the last 3 years	-15	
Requires excavation in soon to be surfaced carriageway	+20	
Environmental Constraints	-10	
Positive Vocal Stakeholder Engagement / Public Demand for the Scheme	+5	
Significant traffic disruption likely due to remedial works	-5	
Excessive Cost vs. Value	-20	
Sustainability of Solution – Low	-10	
Accessibility for Land Drainage works – constraints present	-5	

Whole Life Costing	Points	
Change in drainage asset will result in increased maintenance burden	-5	
No change in maintenance requirements	0	
Change in drainage asset will result in decreased maintenance burden	+5	

Riparian responsibilities: [Flood management – Herefordshire Council](#)

## APPENDIX B: PROGRAMME OF WORKS

The Programme of Works included within each element are as follows:

### Capital Drainage

Scheme	Score	Type	Activity
Daffaluke	57	Culvert Collapse	Construction
Mill Orchard Weston Under Penyard	60	Property Flooding	Construction

Shobdon, The Birches	60	Highway and property Flooding	Construction
Stonehouse, Birtley	55	Highway Flooding & Property Flooding	Construction
Little Bridge at the Old Mill, Michealchurch Esley	65	Highway Flooding	Construction
Kingstone Culvert	65	Highway Flooding & Property Flooding	Construction
Coney Road C1128 junction with B4348 (Kivernoll)	42	Highway Flooding	Construction
U94403 Near Kimbolton	42	Highway Flooding	Construction
Leominster Service Road	42	Highway Flooding	Construction
School Road Tarrington	42	Highway Flooding	Construction
Old Mill Lane Lea	N/A	Drain Noise	Construction

Additional schemes are to be identified and brought into programme, following a review of the latest prioritised scheme list which is being assessed to consider the most effective way to remove risk points from the network.

### Asset Inspections

Asset	Inspection Type
Whitchurch Culvert No.1	1yr Drainage Risk Insp CS
DR60164 Weir	1yr Drainage Risk Insp CS
DR60321 Culvert	1yr Drainage Risk Insp CS
DR60421 Culvert	1yr Drainage Risk Insp CS
DR60460 Culvert	1yr Drainage Risk Insp CS
DR60097 Culvert	1yr Drainage Risk Insp CS
DR60169 Culvert	1yr Drainage Risk Insp CS
Rotherwas Relief Road 'near HEZ'	1yr Drainage Risk Insp CS
Culvert <1.5m dia below highway	1yr Drainage Risk Insp CS
DR60265 Culvert	1yr Drainage Risk Insp CS
DR60166 Manhole	1yr Drainage Risk Insp CS
DR60363 Grip	1yr Drainage Risk Insp CS
Culvert <1.5m dia	1yr Drainage Risk Insp CS
DR60565 Manhole	1yr Drainage Risk Insp CS
DR60082 Culvert	1yr Drainage Risk Insp CS
DR60557 Culvert	1yr Drainage Risk Insp CS
DR60331 Culvert	1yr Drainage Risk Insp CS
DR60195 Control Valve	1yr Drainage Risk Insp CS
Rotherwas Relief Road Norton Brook 'near A49'	1yr Drainage Risk Insp CS
DR60422 Culvert	1yr Drainage Risk Insp CS
Culvert <1.5m dia below highway	1yr Drainage Risk Insp CS
Ditch	1yr Drainage Risk Insp CS
DR60022 Culvert	1yr Drainage Risk Insp CS
Culvert <1.5m dia below highway	1yr Drainage Risk Insp CS

DR60078 Manhole	1yr Drainage Risk Insp CS
DR60194 Culvert	1yr Drainage Risk Insp CS
Culvert <1.5m dia below highway	1yr Drainage Risk Insp CS
DR60271 Culvert	1yr Drainage Risk Insp CS
DR60063 Culvert	1yr Drainage Risk Insp CS
DR60583 Manhole	1yr Drainage Risk Insp CS
DR60263 Culvert	1yr Drainage Risk Insp CS
DR60177 Manhole	1yr Drainage Risk Insp CS
DR60139 Culvert	1yr Drainage Risk Insp CS
DR60585 Manhole	1yr Drainage Risk Insp CS
DR60125 Manhole	1yr Drainage Risk Insp CS
Culvert <1.5m dia below highway	1yr Drainage Risk Insp CS
DR60554 Culvert	1yr Drainage Risk Insp CS
DR60273 Culvert	1yr Drainage Risk Insp CS
Watery Lane Culvert	1yr Drainage Risk Insp CS
Culvert Whitehall Road	1yr Drainage Risk Insp CS
DR60101 Culvert	1yr Drainage Risk Insp CS
Chatterley Brook Culvert - Inlet Trash Screen	1yr Drainage Risk Insp CS
DR60186 Culvert	1yr Drainage Risk Insp CS
DR60550 Culvert	1yr Drainage Risk Insp CS
DR60551 Culvert	1yr Drainage Risk Insp CS
DR60552 Culvert	1yr Drainage Risk Insp CS
DR60581 Manhole	1yr Drainage Risk Insp CS
DR60134 Culvert	1yr Drainage Risk Insp CS
Upper Town, Dinmarsh Culvert	1yr Drainage Risk Insp CS
DR60387 Manhole	1yr Drainage Risk Insp CS
DR60165 Manhole	1yr Drainage Risk Insp CS
DR60197 Manhole	1yr Drainage Risk Insp CS
DR103547 Culvert	1yr Drainage Risk Insp CS
DR60593 Bifurcation or Storm Overflow	1yr Drainage Risk Insp CS
DR60489 Culvert	1yr Drainage Risk Insp CS
DR60383 Grip	1yr Drainage Risk Insp CS
Culvert <1.5m dia below highway	1yr Drainage Risk Insp CS
Culverts	1yr Drainage Risk Insp CS
DR60179 Culvert	1yr Drainage Risk Insp CS
DR60135 Culvert	1yr Drainage Risk Insp CS
Street Court Lane Grill	1yr Drainage Risk Insp CS
Ayles Brook Culvert	1yr Drainage Risk Insp CS
DR60579 Manhole	1yr Drainage Risk Insp CS
DR60343 Culvert	1yr Drainage Risk Insp CS
DR60214 Culvert	1yr Drainage Risk Insp CS
Link Road Culvert	1yr Drainage Risk Insp CS
DR60563 Culvert	1yr Drainage Risk Insp CS
Culvert <1.5m dia below highway	1yr Drainage Risk Insp CS
Culvert <1.5m dia	1yr Drainage Risk Insp CS
DR60584 Manhole	1yr Drainage Risk Insp CS
DR60553 Culvert	1yr Drainage Risk Insp CS

DR60103 Culvert	1yr Drainage Risk Insp CS
DR60510 Culvert	1yr Drainage Risk Insp CS
DR60555 Culvert	1yr Drainage Risk Insp CS
DR60174 Culvert	1yr Drainage Risk Insp CS
Culvert <1.5m dia	1yr Drainage Risk Insp CS
DR60072 Culvert	1yr Drainage Risk Insp CS
DR60401 Culvert	1yr Drainage Risk Insp CS
DR60536 Grip	1yr Drainage Risk Insp CS
DR60071 Culvert	1yr Drainage Risk Insp CS
DR60562 Culvert	1yr Drainage Risk Insp CS
DR103558 Culvert	1yr Drainage Risk Insp CS
DR87305 Manhole	1yr Drainage Risk Insp CS
DR60582 Manhole	1yr Drainage Risk Insp CS
Control - Retention Pond	1yr Drainage Risk Insp CS
DR60031 Culvert	1yr Drainage Risk Insp CS
DR60270 Culvert	1yr Drainage Risk Insp CS
DR60567 Manhole	1yr Drainage Risk Insp CS
DR60580 Manhole	1yr Drainage Risk Insp CS
DR103559 Culvert	1yr Drainage Risk Insp CS
DR60474 Culvert	1yr Drainage Risk Insp CS
DR60577 Culvert	1yr Drainage Risk Insp CS
DR60262 Culvert	1yr Drainage Risk Insp CS
DR60198 Manhole	1yr Drainage Risk Insp CS
Culvert <1.5m dia	1yr Drainage Risk Insp CS
Culvert <1.5m dia	1yr Drainage Risk Insp CS
DR103457 Culvert	1yr Drainage Risk Insp CS
DR60102 Culvert	1yr Drainage Risk Insp CS
DR60587 Inlet	1yr Drainage Risk Insp CS
DR60496 Culvert	1yr Drainage Risk Insp CS
Culvert <1.5m dia below highway	1yr Drainage Risk Insp CS
DR60602 Culvert	1yr Drainage Risk Insp CS
Rotherwas Relief Road 'Red Brook North'	1yr Drainage Risk Insp CS
DR60026 Culvert	1yr Drainage Risk Insp CS
Kingstone Culvert	1yr Drainage Risk Insp CS
DR60566 Manhole	1yr Drainage Risk Insp CS
DR104494 Other flood risk asset	1yr Drainage Risk Insp CS
Culvert <1.5m dia	1yr Drainage Risk Insp CS
Jewsons	1yr Drainage Risk Insp CS
Rotherwas Relief Road Norton Brook 'Hoarwithy underpass'	1yr Drainage Risk Insp CS
DR104493 Culvert	1yr Drainage Risk Insp CS
Culvert Not Below Highway	1yr Drainage Risk Insp CS
DR60196 Manhole	1yr Drainage Risk Insp CS
DR60543 Culvert	1yr Drainage Risk Insp CS
DR60099 Culvert	1yr Drainage Risk Insp CS
DR60255 Culvert	1yr Drainage Risk Insp CS
DR60560 Culvert	1yr Drainage Risk Insp CS
DR60561 Culvert	1yr Drainage Risk Insp CS

DR60187 Culvert	1yr Drainage Risk Insp CS
DR60104 Culvert	1yr Drainage Risk Insp CS
Stone Culvert	1yr Drainage Risk Insp CS
Homs Road Pumping Station	1yr Drainage Risk Insp CS
White Stone Culverts	1yr Drainage Risk Insp CS
DR60484 Control Valve	1yr Drainage Risk Insp CS
DR60527 Culvert	1yr Drainage Risk Insp CS
Water Field Road	1yr Drainage Risk Insp CS
DR60199 Manhole	1yr Drainage Risk Insp CS
DR60188 Culvert	1yr Drainage Risk Insp CS
DR60180	1yr Drainage Risk Insp CS
DR60268 Culvert	1yr Drainage Risk Insp CS
DR60556 Culvert	1yr Drainage Risk Insp CS
DR60548 Culvert	1yr Drainage Risk Insp CS
DR60332 Culvert	1yr Drainage Risk Insp CS
Dulus	1yr Drainage Risk Insp CS
DR60361 Culvert	1yr Drainage Risk Insp CS
B4399 Bottom of Holme Lacy Hill	1yr Drainage Risk Insp CS
DR60077 Culvert	1yr Drainage Risk Insp CS
DR60589 Manhole	1yr Drainage Risk Insp CS
DR60564 Culvert	1yr Drainage Risk Insp CS
DR60576 Culvert	1yr Drainage Risk Insp CS
DR60586 Manhole	1yr Drainage Risk Insp CS
DR60472 Penstock	1yr Drainage Risk Insp CS
DR60544 Culvert	1yr Drainage Risk Insp CS
DR60254 Grip	1yr Drainage Risk Insp CS
Culvert <1.5m dia below highway	1yr Drainage Risk Insp CS
DR60388 Culvert	1yr Drainage Risk Insp CS
DR60173 Culvert	1yr Drainage Risk Insp CS
DR60483 Culvert	1yr Drainage Risk Insp CS
Rotherwas Relief Road 'Red Brook South'	1yr Drainage Risk Insp CS
DR60495 Culvert	1yr Drainage Risk Insp CS
DR60549 Culvert	1yr Drainage Risk Insp CS
Yazor Brook Culvert	1yr Drainage Risk Insp CS
Drainage Pipe	1yr Drainage Risk Insp CS
DR60264 Culvert	1yr Drainage Risk Insp CS
DR60335 Culvert	1yr Drainage Risk Insp CS
DR60402 Culvert	1yr Drainage Risk Insp CS
Culvert <1.5m dia below highway	1yr Drainage Risk Insp CS
DR60414 Culvert	1yr Drainage Risk Insp N
DR60530 Culvert	1yr Drainage Risk Insp N
culvert C1049 - MIDDLETON	1yr Drainage Risk Insp N
DR60329 Culvert	1yr Drainage Risk Insp N
DR60413 Culvert	1yr Drainage Risk Insp N
DR60234 Culvert	1yr Drainage Risk Insp N
Orchard close bodenham	1yr Drainage Risk Insp N
Culvert lime brook- U92013	1yr Drainage Risk Insp N
little hereford	1yr Drainage Risk Insp N

Culvert <1.5m dia below highway	1yr Drainage Risk Insp N
DR60350 Culvert	1yr Drainage Risk Insp N
Culvert <1.5m dia below highway	1yr Drainage Risk Insp N
U91615 Road to Stapleton	1yr Drainage Risk Insp N
DR60357 Culvert	1yr Drainage Risk Insp N
Derry culvert	1yr Drainage Risk Insp N
DR60279 Culvert	1yr Drainage Risk Insp N
DR60485 Culvert	1yr Drainage Risk Insp N
DR60203 Culvert	1yr Drainage Risk Insp N
Eardisley - Bridge - Shawl	1yr Drainage Risk Insp N
DR60035 Culvert	1yr Drainage Risk Insp N
mill brook Orleton	1yr Drainage Risk Insp N
Flap Valve - Eaton Bridge	1yr Drainage Risk Insp N
bache lane	1yr Drainage Risk Insp N
DR60034 Culvert	1yr Drainage Risk Insp N
Eardisley - Culvert	1yr Drainage Risk Insp N
Eardisley - Bridge 1d	1yr Drainage Risk Insp N
DR60416 Culvert	1yr Drainage Risk Insp N
DR60412 Culvert	1yr Drainage Risk Insp N
Brookside cradley	1yr Drainage Risk Insp N
DR60230 Culvert	1yr Drainage Risk Insp N
DR60224 Culvert	1yr Drainage Risk Insp N
DR60572 Other flood risk asset	1yr Drainage Risk Insp N
DR60010 Culvert	1yr Drainage Risk Insp N
DR60423 Culvert	1yr Drainage Risk Insp N
DR60454 Culvert	1yr Drainage Risk Insp N
stapleton	1yr Drainage Risk Insp N
DR60569 Culvert	1yr Drainage Risk Insp N
DR60435 Culvert	1yr Drainage Risk Insp N
DR60340 Culvert	1yr Drainage Risk Insp N
Culvert <1.5m dia below highway	1yr Drainage Risk Insp N
DR60448 Culvert	1yr Drainage Risk Insp N
Reeves Lane Culvert	1yr Drainage Risk Insp N
DR60074 Culvert	1yr Drainage Risk Insp N
DR60500 Culvert	1yr Drainage Risk Insp N
Staunton lane	1yr Drainage Risk Insp N
Brookhouse cottage	1yr Drainage Risk Insp N
DR60000 Culvert	1yr Drainage Risk Insp N
DR60075 Culvert	1yr Drainage Risk Insp N
DR60424 Culvert	1yr Drainage Risk Insp N
DR60571 Weir	1yr Drainage Risk Insp N
DR60241 Culvert	1yr Drainage Risk Insp N
DR101286 Manhole	1yr Drainage Risk Insp N
DR60466 Culvert	1yr Drainage Risk Insp N
Wetmore border	1yr Drainage Risk Insp N
DR60391 Culvert	1yr Drainage Risk Insp N
DR60486 Culvert	1yr Drainage Risk Insp N
Gattertop cottages	1yr Drainage Risk Insp N



Culvert <1.5m dia	1yr Drainage Risk Insp N
wood end lane U94031	1yr Drainage Risk Insp N
millhalf	1yr Drainage Risk Insp N
DR104492 Manhole	1yr Drainage Risk Insp N
DR60407 Culvert	1yr Drainage Risk Insp N
DR60568 Culvert	1yr Drainage Risk Insp N
DR60347 Culvert	1yr Drainage Risk Insp N
Mintridge Grill	1yr Drainage Risk Insp N
DR60390 Culvert	1yr Drainage Risk Insp N
DR60223 Culvert	1yr Drainage Risk Insp N
DR59996 Culvert	1yr Drainage Risk Insp N
DR60409 Culvert	1yr Drainage Risk Insp N
Weobley marsh house culvert	1yr Drainage Risk Insp N
Sarnesfield culvert	1yr Drainage Risk Insp N
pawpits farm - U91006	1yr Drainage Risk Insp N
DR60328 Culvert	1yr Drainage Risk Insp N
kinsham cross	1yr Drainage Risk Insp N
Culvert <1.5m dia below highway	1yr Drainage Risk Insp N
Ketch Lane, Bodenham	1yr Drainage Risk Insp N
DR60041 Culvert	1yr Drainage Risk Insp N
kimbolton court	1yr Drainage Risk Insp N
DR60373 Culvert	1yr Drainage Risk Insp N
teapot lane	1yr Drainage Risk Insp N
DR60573 Other flood risk asset	1yr Drainage Risk Insp N
Eardisley - Weir	1yr Drainage Risk Insp N
Rowden Mill Leat Culvert	1yr Drainage Risk Insp N
DR60605 Culvert	1yr Drainage Risk Insp N
Lower upton	1yr Drainage Risk Insp N
Brook house - canon pyon	1yr Drainage Risk Insp N
Cog hall	1yr Drainage Risk Insp N
Chamber - Manhole	1yr Drainage Risk Insp N
DR60314 Culvert	1yr Drainage Risk Insp N
DR60068 Culvert	1yr Drainage Risk Insp N
DR60349 Culvert	1yr Drainage Risk Insp N
DR60375 Culvert	1yr Drainage Risk Insp N
Bridge house culvert	1yr Drainage Risk Insp N
Eardisley - Bridge 1c	1yr Drainage Risk Insp N
maggots green -c1084	1yr Drainage Risk Insp N
parson pole	1yr Drainage Risk Insp N
DR60066 Culvert	1yr Drainage Risk Insp N
DR60574 Other flood risk asset	1yr Drainage Risk Insp N
Cradley -C1162	1yr Drainage Risk Insp N
DR60059 Culvert	1yr Drainage Risk Insp N
UpperSapey grills	1yr Drainage Risk Insp N
DR60013 Culvert	1yr Drainage Risk Insp N
knapton culvert	1yr Drainage Risk Insp N
Burrington farm	1yr Drainage Risk Insp N
RUSHOCK - U91006	1yr Drainage Risk Insp N

DR60245 Culvert	1yr Drainage Risk Insp N
DR60441 Culvert	1yr Drainage Risk Insp N
DR60062 Culvert	1yr Drainage Risk Insp N
DR60242 Culvert	1yr Drainage Risk Insp N
kimbolton farm	1yr Drainage Risk Insp N
Staunton onWye	1yr Drainage Risk Insp N
Ashley moor	1yr Drainage Risk Insp N
floodgates culvert	1yr Drainage Risk Insp N
hill gate road U91007	1yr Drainage Risk Insp N
DR60222 Culvert	1yr Drainage Risk Insp N
DR60248 Culvert	1yr Drainage Risk Insp N
upper sapey	1yr Drainage Risk Insp N
whitney brook culvert	1yr Drainage Risk Insp N
DR60116 Culvert	1yr Drainage Risk Insp N
DR60429 Culvert	1yr Drainage Risk Insp N
Orleton -waterloo house	1yr Drainage Risk Insp N
lower easton	1yr Drainage Risk Insp N
C1009 Ongar Street	1yr Drainage Risk Insp N
DR60204 Culvert	1yr Drainage Risk Insp N
DR60056 Culvert	1yr Drainage Risk Insp N
Eardisley - Gabion Wall	1yr Drainage Risk Insp N
DR60428 Culvert	1yr Drainage Risk Insp N
b4362 coombe	1yr Drainage Risk Insp N
Alleymoore ivington	1yr Drainage Risk Insp N
haynall lane culvert	1yr Drainage Risk Insp N
Orchard close flap valve	1yr Drainage Risk Insp N
Lingen	1yr Drainage Risk Insp N
DR60057 Culvert	1yr Drainage Risk Insp N
garden house culvert	1yr Drainage Risk Insp N
DR60030 Culvert	1yr Drainage Risk Insp N
DR60426 Inlet	1yr Drainage Risk Insp N
DR60400 Culvert	1yr Drainage Risk Insp N
DR60477 Culvert	1yr Drainage Risk Insp N
DR59995 Culvert	1yr Drainage Risk Insp N
DR60029 Culvert	1yr Drainage Risk Insp N
C1009 - ONGAR STREET	1yr Drainage Risk Insp N
DR60172 Culvert	1yr Drainage Risk Insp N
Eardisley - Bridge 1b	1yr Drainage Risk Insp N
DR60570 Bifurcation or Storm Overflow	1yr Drainage Risk Insp N
DR60415 Culvert	1yr Drainage Risk Insp N
DR60537 Culvert	1yr Drainage Risk Insp N
DR60389 Culvert	1yr Drainage Risk Insp N
DR60240 Culvert	1yr Drainage Risk Insp N
Burton mill	1yr Drainage Risk Insp N
lower Upton	1yr Drainage Risk Insp N
spring lodge culvert	1yr Drainage Risk Insp N
DR60036 Culvert	1yr Drainage Risk Insp N
DR60216 Culvert	1yr Drainage Risk Insp N

DR60499 Culvert	1yr Drainage Risk Insp N
DR60327 Culvert	1yr Drainage Risk Insp N
DR60330 Culvert	1yr Drainage Risk Insp N
Cogglesbrook - kimbolton	1yr Drainage Risk Insp N
DR62871 Culvert	1yr Drainage Risk Insp N
Culvert <1.5m dia	1yr Drainage Risk Insp N
DR60377 Culvert	1yr Drainage Risk Insp N
DR60213 Culvert	1yr Drainage Risk Insp N
DR60208 Manhole	1yr Drainage Risk Insp N
DR60404 Culvert	1yr Drainage Risk Insp N
kimbolton	1yr Drainage Risk Insp N
DR60371 Culvert	1yr Drainage Risk Insp N
DR60450 Culvert	1yr Drainage Risk Insp N
DR60011 Culvert	1yr Drainage Risk Insp N
ketch lane Bodenham 2	1yr Drainage Risk Insp N
Weobley	1yr Drainage Risk Insp N
DR60498 Culvert	1yr Drainage Risk Insp N
horton farmhouse	1yr Drainage Risk Insp N
DR60089 Culvert	1yr Drainage Risk Insp N
DR60201 Culvert	1yr Drainage Risk Insp N
little Hereford Parish Hall	1yr Drainage Risk Insp N
Birtley	1yr Drainage Risk Insp N
DR60229 Grip	1yr Drainage Risk Insp N
DR60055 Culvert	1yr Drainage Risk Insp N
little hereford	1yr Drainage Risk Insp N
Culvert <1.5m dia below highway	1yr Drainage Risk Insp N
Culverts lucton	1yr Drainage Risk Insp N
DR60382 Culvert	1yr Drainage Risk Insp N
Burrington culvert	1yr Drainage Risk Insp N
The Horton's - Edwyn ralph	1yr Drainage Risk Insp N
DR60447 Culvert	1yr Drainage Risk Insp N
Eardisley - Bridge 1d	1yr Drainage Risk Insp N
DR60212 Culvert	1yr Drainage Risk Insp N
culvert c1049 -middleton	1yr Drainage Risk Insp N
DR60152 Culvert	5yr Drainage Risk Insp CS Yr2
DR60292 Culvert	5yr Drainage Risk Insp CS Yr2
DR60295 Culvert	5yr Drainage Risk Insp CS Yr2
DR60317 Culvert	5yr Drainage Risk Insp CS Yr2
DR60302 Culvert	5yr Drainage Risk Insp CS Yr2
DR60291 Culvert	5yr Drainage Risk Insp CS Yr2
DR60132 Culvert	5yr Drainage Risk Insp CS Yr2
DR60107 Culvert	5yr Drainage Risk Insp CS Yr2
DR60315 Culvert	5yr Drainage Risk Insp CS Yr2
DR60299 Culvert	5yr Drainage Risk Insp CS Yr2
DR60191 Culvert	5yr Drainage Risk Insp CS Yr2
DR60131 Other flood risk asset	5yr Drainage Risk Insp CS Yr2
DR60017 Culvert	5yr Drainage Risk Insp CS Yr2
DR60297 Culvert	5yr Drainage Risk Insp CS Yr2

DR60151 Culvert	5yr Drainage Risk Insp CS Yr2
DR60158 Culvert	5yr Drainage Risk Insp CS Yr2
DR60524 Culvert	5yr Drainage Risk Insp CS Yr2
DR60365 Culvert	5yr Drainage Risk Insp CS Yr2
DR60293 Culvert	5yr Drainage Risk Insp CS Yr2
DR60296 Culvert	5yr Drainage Risk Insp CS Yr2
DR60159 Culvert	5yr Drainage Risk Insp CS Yr2
DR60267 Inlet	5yr Drainage Risk Insp CS Yr2
DR60298 Culvert	5yr Drainage Risk Insp CS Yr2
DR60325 Control Valve	5yr Drainage Risk Insp CS Yr2
DR60155 Culvert	5yr Drainage Risk Insp CS Yr2
DR60266 Culvert	5yr Drainage Risk Insp CS Yr2
DR60294 Culvert	5yr Drainage Risk Insp CS Yr2
DR60316 Culvert	5yr Drainage Risk Insp CS Yr2
DR60156 Culvert	5yr Drainage Risk Insp CS Yr2
DR60153 Culvert	5yr Drainage Risk Insp CS Yr2
DR60157 Grip	5yr Drainage Risk Insp CS Yr2
DR60437 Culvert	5yr Drainage Risk Insp N Yr2
DR60044 Other flood risk asset	5yr Drainage Risk Insp N Yr2
DR60358 Culvert	5yr Drainage Risk Insp N Yr2
DR60439 Culvert	5yr Drainage Risk Insp N Yr2
DR60369 Culvert	5yr Drainage Risk Insp N Yr2
DR60501 Culvert	5yr Drainage Risk Insp N Yr2
DR60433 Culvert	5yr Drainage Risk Insp N Yr2
DR60442 Culvert	5yr Drainage Risk Insp N Yr2
DR60345 Culvert	5yr Drainage Risk Insp N Yr2
DR60002 Culvert	5yr Drainage Risk Insp N Yr2
DR60220 Culvert	5yr Drainage Risk Insp N Yr2
DR60434 Culvert	5yr Drainage Risk Insp N Yr2
DR60023 Culvert	5yr Drainage Risk Insp N Yr2
DR60440 Grip	5yr Drainage Risk Insp N Yr2
DR60420 Culvert	5yr Drainage Risk Insp N Yr2
DR60431 Culvert	5yr Drainage Risk Insp N Yr2
DR60093 Culvert	5yr Drainage Risk Insp N Yr2
DR60436 Culvert	5yr Drainage Risk Insp N Yr2
DR60058 Culvert	5yr Drainage Risk Insp N Yr2
DR59999 Culvert	5yr Drainage Risk Insp N Yr2
DR60219 Culvert	5yr Drainage Risk Insp N Yr2
DR60438 Culvert	5yr Drainage Risk Insp N Yr2
DR60178 Culvert	5yr Drainage Risk Insp N Yr2
DR60221 Culvert	5yr Drainage Risk Insp N Yr2
DR60278 Culvert	5yr Drainage Risk Insp N Yr2
DR60432 Culvert	5yr Drainage Risk Insp N Yr2
DR60346 Culvert	5yr Drainage Risk Insp N Yr2
DR60360 Culvert	5yr Drainage Risk Insp N Yr2
DR60430 Culvert	5yr Drainage Risk Insp N Yr2
DR60009 Culvert	5yr Drainage Risk Insp N Yr2
DR60344 Culvert	5yr Drainage Risk Insp N Yr2

DR60502 Culvert	5yr Drainage Risk Insp N Yr2
DR60370 Culvert	5yr Drainage Risk Insp N Yr2

### Pumping Station Inspections

Reference	Description
DRPS2100001	Homs Road Pumping Station
DRPS2100002	Rotherwas Bridge Pumping Station
DRPS2100003	92 The Pastures Pumping Station
DRPS2100004	74 The Pastures Pumping Station

### Grill Inspections

Reference	Description
GR2200031	Adforton
GR2200040	Widemarsh Common - 2
GR2200028	Mintridge A465
SC2300018	Ropewalk - Ross On Wye Copy
GR2200034	Grills At End Of Path - Morrisons Ross On Wye
GR2200056	Newtown Road
GR2200050	Eign Church Culvert
GR2200062	Peterchurch - Opposite Nags Head Mowbage Lane
GR2200048	Grill outside Curry's
GR2200049	From Currys Grill Mortimer Road
GR2200020	Whitney - Millhalf Brook
GR2200068	Bredwardine - 3
GR2200045	King Fisher Road through to Sycamore Close
GR2200052	Fownhope between Lucksall Park and Fownhope Village
GR2200026	Wigmore- Kingsmeadow 2
GR2200029	Kingsland 1
GR2200041	Tarrington - A438
GR2200057	Five Bridges
SC2200001	Kingsland 3
GR2200053	How Caple
GR2200055	Checkly Brook - 2
GR2200023	Wigmore - Brook Farm ~ 3
GR2200051	Fownhope Bi-monthly
GR2200035	Yazor Brook - Hereford Bifurcation - Plough Lane
GR2200065	Rowlestone
GR2200069	Bridge - Belmont to Golden Post
GR2200032	Roman road Ayles Brook Racecourse
GR2200071	Plough Inn Pub Opposite 5 Ways - Ross On Wye
GR2200046	Waterfield Rd roundabout culvert
GR2200036	Yazor Brook - Hereford Plough Lane - Bulmers
GR2200064	Thruyton
GR2200047	Yarlington Mill
GR2200039	Widemarsh Common - Behind Westfields Ground
GR2200059	Ross On Wye - Coach Park (Big)
GR2200060	Grills At Beginning Of Path - Morrisons Ross On Wye

GR2200038	Credenhill Community Centre
GR2200037	Yazor Brook - Behind Aldis
GR2200027	Robinson Meadow - Ledbury
GR2200027	Robinson Meadow - Ledbury
GR2200067	Bredwardine - 2
GR2200024	Wigmore - Brook Farm ~ 4
GR2200066	Bredwardine
GR2200054	Checkley - Pantaloe Brook
GR2200021	Wigmore - Brook Farm ~ 1
GR2200061	Bradford Kemp Builders Ross On Wye - Both Sides Of Alton Road
GR2200030	Kingsland 2
GR2200043	Glastonbury Close Culvert and Brook to Three counties - Finish
GR2200022	Wigmore - Brook Farm ~ 2
GR2200044	White Friars Rd Culvert
GR2200025	Wigmore- Kingsmeadow 1
GR2200063	Dulas Brook
GR2200042	Glastonbury Close Culvert and Brook to Three counties - Start
SC2200002	Roman road Pinton House
GR2200058	Fiveways Roundabout - Ross On Wye

## APPENDIX C: BUDGET BREAKDOWN

Refer to budget breakdown sheet.

## APPENDIX D – LIST OF NOMINATED SUB CONTRACTORS

Name of Sub Contractor	Service Provided
<b>ONSITE</b>	Drainage Cleansing and VAC jetting
<b>WSP</b>	Specialist Consultancy for supporting with Technical Drainage Studies