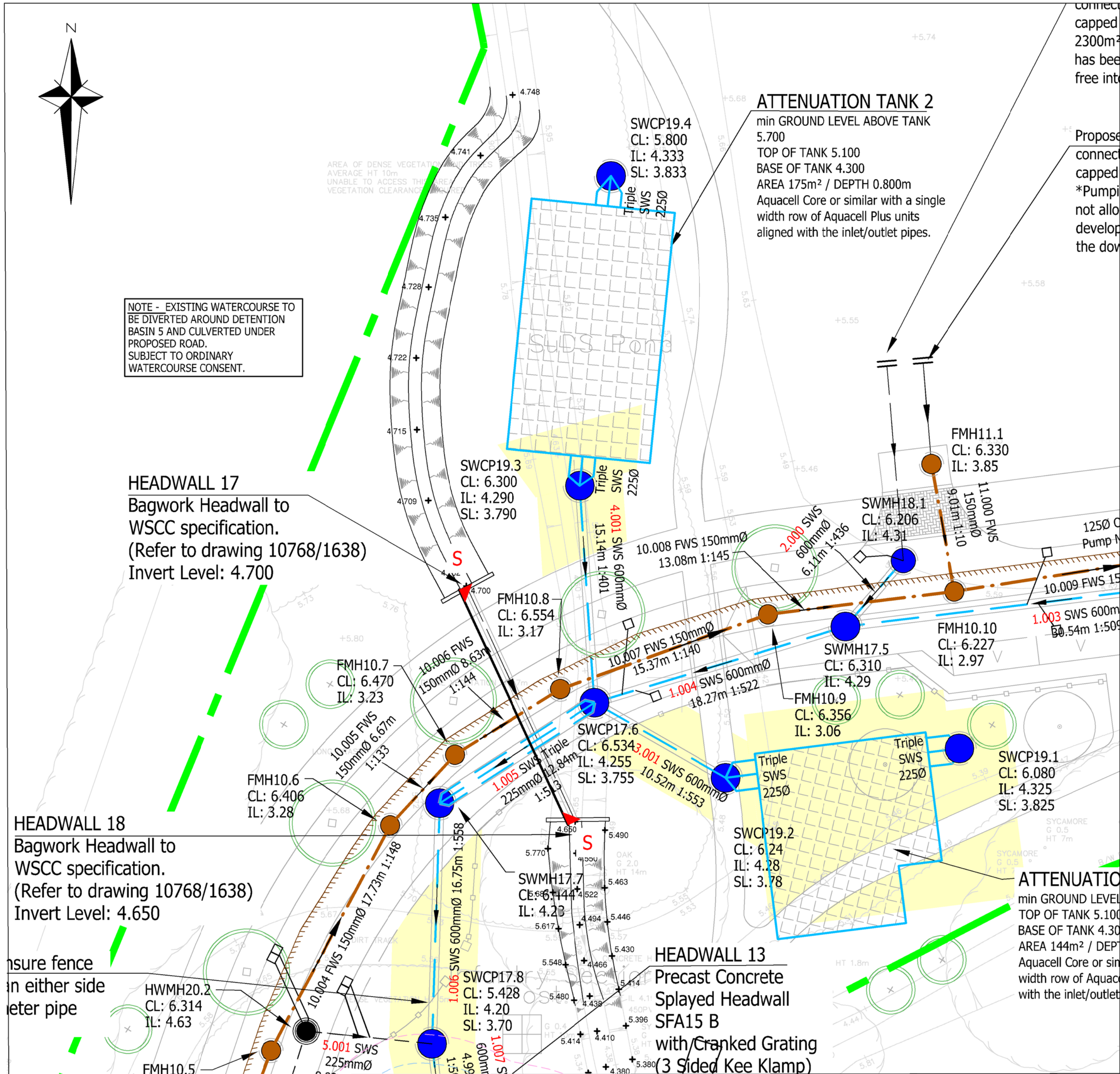
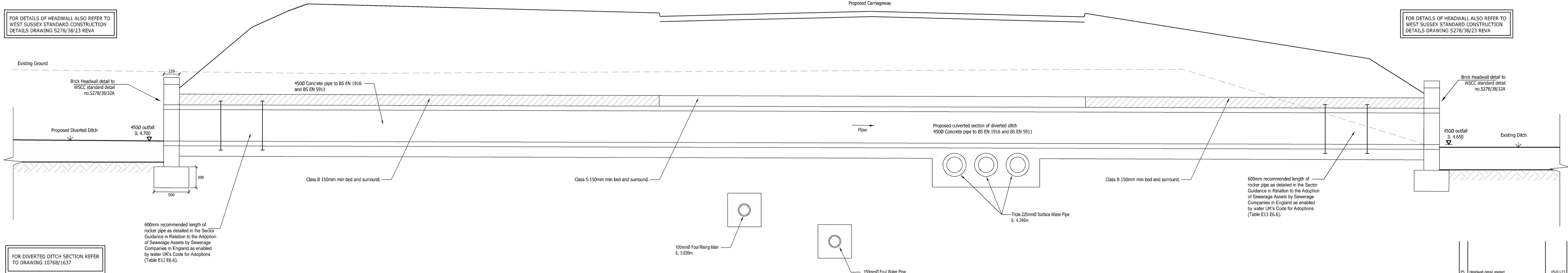
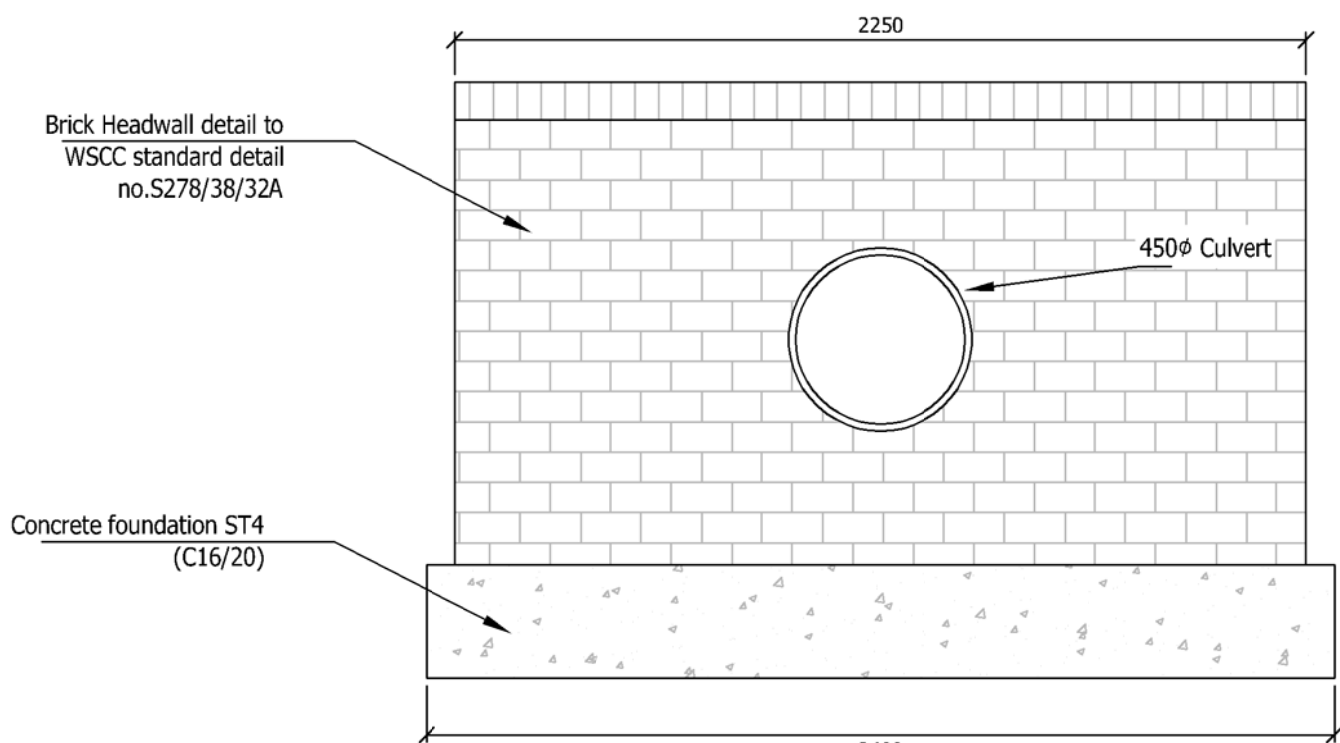




Plan
Scale 1:200



Section S-S
Scale 1:20



Elevation of Headwall
Typical Detail
Scale 1:20

1. ALL ADAPTABLE ELEMENTS OF THE WORKS TO BE CONSTRUCTED AS DETAILED IN THE SECTOR GUIDANCE IN RELATION TO THE ADOPTION OF SEWERAGE ASSETS BY SEWERAGE COMPANIES IN ENGLAND AS ENABLED BY WATER UK'S CODE FOR ADOPTIONS. SECTIONS OF DRAINAGE TO BE ADOPTED UNDER THE TERMS OF A SECTION 104 AGREEMENT. ALL ADAPTABLE PIPEWORK TO BE CONSTRUCTED FROM VITRIFIED CLAY TO BS EN 305 (UP TO 225mmØ PIPE) OR CONCRETE TO BS EN 1916 AND BS EN 1911 (300mmØ PIPE AND ABOVE).
2. ALL CONCRETE PRECAST MANHOLES AND FITTINGS SHALL BE TO BS EN 1916 & BS EN 1911 (ALL RELEVANT PARTS). ALL CONCRETE PIPEWORK TO BE TO HIGH STRENGTH.
3. WHERE PIPELINES CROSS, EACH IS TO BE SURROUNDED WITH GRADE 5/4 MASS CONCRETE FOR A DISTANCE NOT LESS THAN 1m CENTRED ON THE CROSSING POINT. LENGTH OF SURROUND TO BE EXTENDED AS NECESSARY TO WITHIN 150mm OF THE NEXT ADJACENT FLEXIBLE JOINTS.
4. DUCTILE IRON COVERS SHALL BE: (UNLESS NOTED ON DRAWING OR MANHOLE SCHEDULE) ON ACCESS ROADS AND CAR PARKS: GRADE 5/4 (BS EN 124:1994) ON SHARED PATHWAYS, VERGES: GRADE 4/4 (BS EN 124:1994)
5. SEWER SETTING FOR FUTURE MAINTENANCE SHOULD ACCORD WITH BS EN 14654-1:2014 AND THE SEWER SETTING CODE OF PRACTICE (PUBLISHED BY WISC). MANUFACTURERS OF THE DRAINAGE SYSTEM COMPONENTS SHOULD ALSO BE CONSULTED BUT UNDER NO CIRCUMSTANCES SHOULD THE FOLLOWING PRESSURES BE EXCEEDED:
- PLASTIC PIPES - 2600 psi
CLAY PIPES - 5000 psi
CONCRETE PIPES - 5000 psi
6. CONTRACTOR TO ESTABLISH LOCATIONS OF ALL EXISTING SERVICES PRIOR TO COMMENCING.

- HEADWALL NOTES:**
- BAGS SHOULD BE HEAVY OR CANVAS AND SHALL BE OF A SIZE TO PROVIDE A WALL THICKNESS OF 500mm
 - CONCRETE BAGWORK SHALL BE CLASS 5/4 AND BE THREE QUARTER FILLED WITH 25mm SLUMP 5/4 CONCRETE IMMEDIATELY PRIOR TO PLACING WITH THE ENDS GUM.
 - THE BAGS SHALL BE PLACED IN A MODIFIED FLEMISH BOND SO AS TO 'BREAK' JOINTS WITH FLOWERS AWAY FROM THE SURFACE AND BE TAPPED INTO POSITION TO FORM A RECTANGULAR BLOCK.
 - EXTENT OF OUTLET PROTECTION TO BE GREATER OF 1500mm OR PIPE DIAMETER + 1200mm SPANNING THE OUTLET PIPE.
 - HEADWALL DESIGN MAY NEED TO BE ADJUSTED TO ON SITE CONDITIONS FOLLOWING APPROVAL FROM LOCAL AUTHORITY INSPECTOR
 - FOR VEHICULAR CROSSINGS OF DITCHES PIPES SHALL BE MIN 400mm DIA AND BE SET TO INVERT OF DITCH. DITCH TO BE RE-GRADDED TO ACHIEVE SATISFACTORY FALLS.
 - FOR H-600 APPROPRIATE VEHICULAR OR PEDESTRIAN CONTAINMENT SHALL BE INSTALLED.
 - THE NEAREST EDGE OF ANY CARRIAGEWAY SHALL BE SET BACK AT LEAST 1m FROM DITCH.

THIS DRAWING IS SUBJECT TO CHANGE FOLLOWING 'TECHNICAL APPROVAL' PROCESS WITH WEST SUSSEX COUNTY COUNCIL. NO WORKS CAN COMMENCE PRIOR TO WATERCOURSE CONSENTS BEING OBTAINED BY WSCC.

- GENERAL NOTES**
- The location, size, depth and identification of existing services that may be shown or referred to on this drawing have been assessed from non-intrusive observations, record drawings or the like. The contractor shall safety carry out intrusive investigations, trial holes or soundings prior to commencing work to satisfy himself that it is safe to proceed and that the assessments are accurate. Any discrepancies shall be notified to gta prior to works commencing.
 - Tender or billing drawings shall not be used for construction or the ordering of materials.
 - Do not scale. All dimensions and levels to be confirmed.
 - This drawing shall be read in conjunction with all relevant architects, consultants drawings and specifications, together with H&S plan requirements.
 - Copyright: This drawing must not be copied, amended nor reproduced without the prior written agreement of gta.
 - All drawings specifications and recommendations made by gta are subject to Local Authority and other relevant Statutory Authorities approval. Any works or services made abortive due to the client proceeding prior to these approvals is considered wholly at the Client's risk. gta hold no responsibility for resulting abortive works or costs.

PS	Headwall detail revised	05/01/23	SQL	MR
PS	Notes for pipe bedding added.	09/11/22	DT	MR
PS	Section updated to show pipe invert at the right end is lower than the upstream ditch bed.	20/06/22	DT	MR
PS	Headwall detail amended to WSCC specification	22/06/22	DT	MR
PS	Initial Issue	29/06/22	DT	MR
PS	Amendments	Date	Drawn	CHK
Status				
PRELIMINARY				
Client				
Taylor Wimpey				
Architect				
Project				
SEFTER ROAD BOGNOR REGIS				
Title				
CULVERTED SECTION OF DIVERTED DITCH DETAIL				
Date	AUGUST 2022	Scale @ A3	1:20 / 1:200	
Client Ref		Project Ref	10768	
gta Civils & Transport				
Gloucester House 86a Church Walk, Burgess Hill, West Sussex, BN15 8AS Tel: 01444 871444 Web: www.gtacivils.co.uk				
Drawing Number				Rev
10768/1638				P5