



NOTES:

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RELEVANT SPECIFICATION AND ALL OTHER RELATED DRAWINGS ISSUED BY THE ENGINEER.
- ALL DIMENSIONS SHOWN ON THIS DRAWING ARE IN METRES UNLESS OTHERWISE STATED.
- WORK FROM FIGURED DIMENSIONS ONLY.
- ALL DIMENSIONS, LEVELS AND SURVEY GRID CO-ORDINATES ARE TO BE CHECKED ON SITE AND THE ENGINEER NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF THE WORKS.
- NO DEVIATION FROM THE DETAILS SHOWN ON THIS DRAWING IS PERMITTED WITHOUT PRIOR PERMISSION FROM THE ENGINEER.
- ALL MATERIALS AND WORKMANSHIP SHALL COMPLY FULLY WITH THE MANUAL OF CONTRACT DOCUMENTS FOR HIGHWAY WORKS, VOLUME ONE, SPECIFICATION FOR HIGHWAY WORKS AND THE LOCAL AUTHORITY SPECIFICATION FOR ROAD CONSTRUCTION AND STANDARD DETAILS.
- ALL CLAY, CONCRETE AND PLASTIC PIPEWORK TO BE IN ACCORDANCE WITH BS EN 205-1 & BS 68, BS EN 1915 & BS 5911-1 AND TABLE 5/1 OF THE SHW RESPECTIVELY. REFER TO DRAWING NO. X910-024 FOR PIPE BEDDING DETAILS.
- EXISTING TOPSOIL TO BE RETAINED ON SITE IN ACCORDANCE WITH BS 3882:07.
- WHEN INFILLING EXISTING DITCHES/WATERCOURSES, THE EXISTING BED IS TO BE REMOVED 150-200mm BELOW BASE OF BITCH TO EXTRACT ORGANIC AND SATED MATERIAL. IN ADDITION, A 150mm STRIP TO BE REMOVED FROM BOTH SIDES OF WATERCOURSE TO ENSURE A 150mm KEY BETWEEN PUDDLE CLAY AND EXISTING GROUND.
- ALL BUND SLOPES TO BE TOPSOILED PRIOR TO SEEDING TO A MINIMUM DEPTH OF 100mm-150mm FOR LANDSCAPE PROPOSALS. REFER TO KIRKHAM LANDSCAPE PLANNING DRAWING NO. WBC/237/5K/1.
- THE CONTRACTOR IS TO SATISFY HIMSELF THAT THE POSITION OF ALL UTILITIES IS CORRECT. THE CONTRACTOR IS TO LAISE WITH SSE REGARDING WORKS WITH OVERHEAD CABLES AND OBTAIN ANY NECESSARY CONSENT.
- REFER TO GEO-ENVIRONMENTAL SERVICES LTD. REPORT FOR SOUTH EAST THATCHAM FLOOD ALLEVIATION SCHEME, DATED OCTOBER 2017.
- UNLESS STATED OTHERWISE, ALL EXCAVATED MATERIAL SHALL BE DISPOSED OF AT AN APPROVED TIP OFF-SITE.
- THE PUBLIC HIGHWAY AND WORKS WILL BE KEPT CLEAR AND FREE OF DEBRIS BY USE OF WHEEL WASHING FACILITIES AND ROAD SWEEPERS TO THE COUNCIL'S SATISFACTION.
- ALL SETTING OUT SHALL BE AGREED ON-SITE WITH THE ENGINEER, PRIOR TO THE COMMENCEMENT OF THE WORKS.

CDM NOTES

THE ATTENTION OF THE CLIENT, PRINCIPAL DESIGNER, PRINCIPAL CONTRACTOR, DESIGNERS AND CONTRACTORS IS DRAWN TO THE FOLLOWING POTENTIAL RISKS IN CONJUNCTION WITH THE PROPOSED ON-SITE AND OFF-SITE WORKS AS DESIGNED FOR THIS PROJECT:

- WORKS IN THE VICINITY OF LIVE SERVICES INCLUDING GAS, ELECTRICITY, BT AND TELECOMS WILL BE NECESSARY AND THE ADVICE OF ALL STATUTORY SERVICE COMPANIES MUST BE SOUGHT BEFORE ANY WORKS COMMENCE. PRIVATE SERVICES MAY BE PRESENT WITHIN THE LIMIT OF WORKS AND CARE SHOULD BE TAKEN TO LOCATE AND AVOID THESE DURING CONSTRUCTION.
- IT IS LIKELY THAT PART OF THE WORKS WILL NEED TO ACCOMMODATE HIGH GROUNDWATER. MEASURES TO BE PUT IN PLACE PRIOR TO EXCAVATION. REFER TO AFORESAID GEOTECHNICAL REPORT (NOTE 12) FOR OBSERVED GROUNDWATER LEVEL.
- WORKS WITHIN AND ADJUTING THE EXISTING HIGHWAY WILL ENTAIL TRAFFIC HAZARDS AND ALL APPROPRIATE SAFETY MEASURES INCLUDING BARRIERS, SIGNS AND LIGHTING MUST BE UNDERTAKEN TO THE APPROVAL OF THE LOCAL AUTHORITY, THE HIGHWAY AUTHORITY AND THE POLICE DEPARTMENT.
- PHASING OF WORKS TO TAKE ACCOUNT OF PUBLIC OPEN SPACE AND SCHOOL PLAYING FIELDS.
- HAZARDOUS MATERIALS INCLUDING CEMENT AND BITUMINOUS MATERIALS ARE SPECIFIED AND THE MANUFACTURERS ADVICE ON SAFE HANDLING PROCEDURES MUST BE OBTAINED AND MADE CLEAR TO ALL OPERATIVES.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING ALL EXISTING SERVICES WITHIN THE VICINITY OF THE WORKS (HAND DIG OR OTHER METHOD) AND ENSURE THESE ARE PROTECTED THROUGHOUT THE DURATION OF THE WORKS. ALL UTILITY PLANT SHOULD BE CLEARLY MARKED ON THE GROUND PRIOR TO COMMENCEMENT OF THE WORKS.
- THE CONTRACTOR MUST ENSURE ALL WORKING AREAS ARE FULLY SECURE.
- WORKS WITHIN DEEP WATERCOURSES ON SITE WILL BE NECESSARY. THE CONTRACTOR WILL BE RESPONSIBLE FOR ENSURING PERSONAL BUOYANCY EQUIPMENT IS AVAILABLE FOR ALL PERSONNEL AND RESCUE EQUIPMENT IS ALSO AVAILABLE. THE CONTRACTOR WILL ALSO ENSURE THAT THE CORRECT PROCEDURES ARE IN PLACE TO COPE ONCE A PROBLEM ARISES. THE CONTRACTOR WILL BE RESPONSIBLE FOR MONITORING WEATHER FORECAST DURING CONSTRUCTION PROGRAMME.

CONSTRUCTION CONSTRAINTS

- CONTRACT DRAWINGS SHOULD REQUIRE THAT METHOD STATEMENTS RELATING TO DAM SAFETY WORKS SHOULD BE SENT TO THE ENGINEER FOR ACCEPTANCE.
- CONTROL STRUCTURES;
- SEQUENCE OF WATERCOURSE HANDLING;
- EMBANKMENT FOUNDATION; AND
- ALLOWANCE FOR FLOOD EVENT WITHIN CONSTRUCTION METHOD STATEMENT.

- PRIOR TO COMMENCEMENT OF CONSTRUCTION OF THE BUND, A PROOF ROLL OF THE FORMATION LEVEL SHOULD BE UNDERTAKEN AND ANY SOFT SPOTS REMOVED AND REPLACED WITH MASS CONCRETE, OR OTHER SUITABLE MATERIAL, AS AGREED WITH THE SITE SUPERVISOR.
- DENSITY TESTS TO BE SUBMITTED TO ENGINEER PRIOR TO THE NEXT BUND LAYER BEING PLACED.

KEY

- PROPOSED RE-GRADING OF EXISTING ROAD
- PROPOSED BUND
- PROPOSED SWALE
- PROPOSED FOOTPATH/CYCLEWAY BUND (1:4 SIDE SLOPES)
- PROPOSED FLOOD DEFENCE WALL
- PROPOSED PRECAST CONCRETE HEADWALL
- TWIN ALTHON SWALE/POND INLETS
- PROPOSED BAGGED HEADWALL
- EXISTING WATERCOURSE
- PROPOSED DITCH REALIGNMENT
- EXISTING DITCH TO BE BACKFILLED
- EXISTING FENCE TO BE REMOVED
- PROPOSED REALIGNED FENCE
- EXISTING CYCLE/FOOTWAY TO BE REMOVED
- PROPOSED GRANULAR STONE FOOTPATH REALIGNMENT
- PROPOSED BITUMEN FOOTPATH REALIGNMENT
- PROPOSED TIMBER STEPS
- FLOOD DEFENCE CREST EDGING/MARKER
- PROPOSED REALIGNMENT OF EXISTING CYCLEWAY
- PROPOSED ENKAMAT
- PROPOSED LEVELS
- PROPOSED SURFACE WATER CULVERT/SEWER
- PROPOSED 1500 LAND DRAIN
- PROPOSED 4500 INSPECTION CHAMBER WITH BODPAVE SURROUND
- PROPOSED 6000 CATCHPIT WITH BODPAVE SURROUND
- PROPOSED 13500 CATCHPIT
- PROPOSED 15000 CATCHPIT
- PROPOSED 18000 CATCHPIT
- EXISTING SURFACE WATER MANHOLE
- EXISTING SURFACE WATER SEWER (WEST BERKS COUNCIL)
- PROPOSED 2m LONG TOP OF FOOTPATH LANDING AREA
- EXISTING THAMES WATER SURFACE WATER SEWER
- EXISTING SECTION OF PLAYGROUND ABANDONED
- RELOCATED SECTION OF PLAYGROUND
- REDUCED GROUND LEVELS

PLANNING ISSUE

FOR SITE-WIDE GENERAL ARRANGEMENT REFER TO DRAWING X910 - 002

B		M		F		C		D	
REV	DESCRIPTION	DATE	BY	CHK	APP	DATE	BY	CHK	APP
1	BUNDS REMOVED/AMENDED	28.10.17	FY	BC	BC	28.10.17			
2	A UPDATED WITH DRAFT PLANNING COMMENTS	14.11.17	FY	BC	BC	06.10.17			

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WEST BERKSHIRE COUNCIL

Project Title: **SOUTH EAST THATCHAM FLOOD ALLEVIATION SCHEME**

Drawing Title: **GENERAL ARRANGEMENT (SHEET 1 OF 3)**

AD Scale: 1:500 Date: 22.09.17 Designed by: FY

Drawn by: RM Checked by: FY Approved by: BC

Drawing Number: **X910-010**

KEYPLAN @ 1:5000
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