

**Plans and drawings relevant to reports submitted to
Eastern Area Planning Committee
3 May 2017 at 6.30pm
at the Calcot Centre, Highview (off Royal Avenue),
Calcot**

[to be read in conjunction with the main agenda]

Please note:

- *All drawings are copied at A4 and consequently are not scalable*
- *Most relevant plans have been included – however, in some cases, it may be necessary for the case officer to make a selection*
- *All drawings are available to view at www.westberks.gov.uk*
- *The application files will be available for half an hour before the meeting*

17/00182/COMIND
Land North Of Floral Way
Opposite Foxglove Way
Thatcham



REV	AMENDMENTS	DRN	CHK	APP	DATE

SCALE:	1:2500@A3	DATE:	OCT 2016	DESIGNED:	FY
DRAWN:	KI	CHECKED:	CC	APPROVED:	BC
DRAWING NO.:	R512-012	REV:	-		



ISSUED FOR
PLANNING ONLY

CLIENT:
**WEST BERKSHIRE
COUNCIL**

PROJECT TITLE:
**DUNSTON PARK
FLOOD ALLEVIATION SCHEME**

DRAWING TITLE:
SITE LOCATION PLAN

REPRODUCED FROM ORDNANCE SURVEY © BY THE PERMISSION OF THE CONTROLLER OF HER MAJESTY'S STATIONERY OFFICE. © CROWN COPYRIGHT. ALL RIGHTS RESERVED. LICENCE NUMBER 100044561

ARDENT CONSULTING ENGINEERS

Suite 207, One Alie Street, London, E1 8DE
 t 020 7680 4088 f 020 7488 3736
 www.ardent-ce.co.uk e enquiries@ardent-ce.co.uk

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RELEVANT SPECIFICATION AND ALL OTHER RELATED DRAWINGS ISSUED BY THE ENGINEER.
2. ALL DIMENSIONS SHOWN ON THIS DRAWING ARE IN MILLIMETRES UNLESS OTHERWISE STATED.
3. ALL DIMENSIONS, LEVELS AND SURVEY GRID COORDINATES ARE TO BE CHECKED ON SITE AND THE ENGINEER NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF THE WORKS.
4. TOPOGRAPHICAL SURVEY SHOWN IS BASED ON INCOMING SURVEY DRAWING NUMBER HORTS HILL SURVEY, DATED MARCH 2014 BY MCGRAW SURVEYS.

SOFT LANDSCAPE KEY

- EXISTING HEDGE RETAINED
- EXISTING TREES TO BE RETAINED
- NEW NATIVE HEDGEROW
- NEW NATIVE TREES:
 - (1) HEDGEROW TREES
 - (2) ADDITIONAL TREE PLANTING TO FLORAL WAY
 - (3) SOFTEN VIEW FROM FOOTPATH AND HOUSES
 - (4) DITCH SIDE TREES
- WILD FLOWER MEADOW
- ADDITIONAL AREA OF WILD FLOWER MEADOW OUTSIDE FAS
- FENCE ONLY TO RETAIN MORE OPEN VIEWS

See Kirriham Landscape Planning Ltd report dated September 2016 for proposed species, landscape establishment & management.

DATE	SCALE
16/09/16	1:500 @ A1

CONSULTANTS



CLIENT

WEST BERKSHIRE COUNCIL

DESIGNED BY BK

DRAWN BY AC

CHECKED BY AS

DWG NO WBC237 SK1

PROPOSED FLOOD ALLEVATION INDICATIVE LANDSCAPE SCHEME



HEDGEROW TREES BREAK UP VIEWS FROM FOOTPATH

DEPRESSION BASIN
MIN. BASE LEVEL = 92.25 AOD
AREA OF BASIN = 16,000m²

LEANS TO BE INTO EXISTING GROUND LEVEL

TOP OF BUND 90.85 AOD

EXISTING 1200 x 600mm BOX CULVERT
PRE-SEEDED ENKORAL TO BE EXTENDED FURTHER NORTH

NEW ACCESS ROAD FROM FLOOR WAY

TOP OF BUND 90.85 AOD

TOP OF BUND 90.85 AOD

TOP OF BUND 90.85 AOD

TOP OF BUND 90.85 AOD

TOP OF BUND 90.85 AOD

TOP OF BUND 90.85 AOD

TOP OF BUND 90.85 AOD

TOP OF BUND 90.85 AOD

TOP OF BUND 90.85 AOD

- 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.
 - 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 TO BE ALLOWED WITHOUT PRIOR PERMISSION FROM THE ENGINEER.
 - ALL UTILITIES AND OBSTRUCTIONS SHALL BE FULLY EXPOSED AND CONFORMANCE CHECKED PRIOR TO COMMENCEMENT OF ANY WORKS. VOLUME ONE SPECIFICATION FOR HIGHWAY WORKS AND THE LOCAL AUTHORITY SPECIFICATION FOR ROAD CONSTRUCTION AND STANDARD DETAILS.
 - THE CONTRACTOR IS TO SIGN HIMSELF OFF THE POSITION OF ALL UTILITIES IS CORRECT. THE CONTRACTOR IS TO LIAISE WITH ESE REGARDING WORKS WITH OVERHEAD CABLES AND OBTAIN ANY NECESSARY CONSENTS.

COMMENTS:

THE INTENTION OF THE CLIENT, PRINCIPAL RESOURCES, 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 OVERHEAD CABLES AND UNDERGROUND SERVICES AND THE ADVICE OF ALL STATUTORY SERVICE COMPANIES MUST BE SOUGHT BEFORE ANY WORKS COMMENCE.
- WORKS WITHIN AND ABOUT THE EXISTING HIGHWAY WILL ENTAIL TRAFFIC HAZARDS AND ALL APPROPRIATE SAFETY MEASURES INCLUDING BARRIERS, SIGNS AND LIGHTS MUST BE INSTALLED PRIOR TO COMMENCEMENT OF THE LOCAL AUTHORITY, THE HIGHWAY AUTHORITY AND THE POLICE DEPARTMENT.
- 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 UTILITIES AND OBSTRUCTIONS PRIOR TO COMMENCEMENT OF THE WORKS. ALL UTILITIES MUST BE CLEAR OF THE WORKS.
- THE CONTRACTOR MUST ENSURE ALL WORKING AREAS ARE FULLY SECURE.

KEY

ROAD TYPE A - S278 WORKS
 ROAD TYPE B
 VISIBILITY SPRAYS (2.4 x 90m)

ISSUED FOR PLANNING ONLY

NO.	REV.	DATE	BY	CHK.	DATE

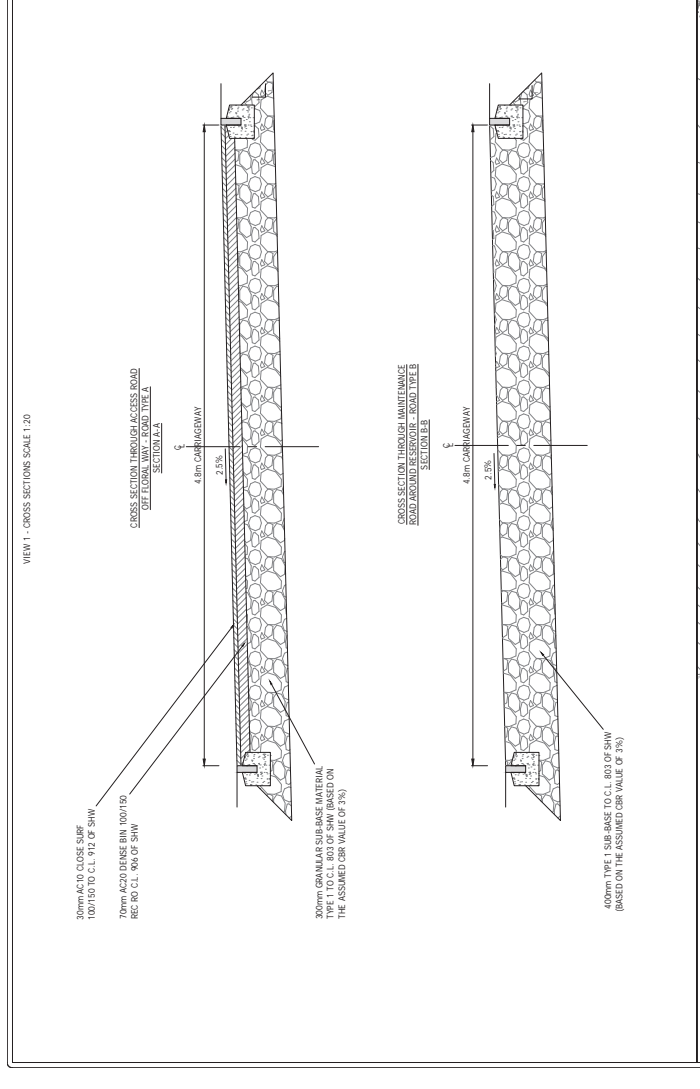
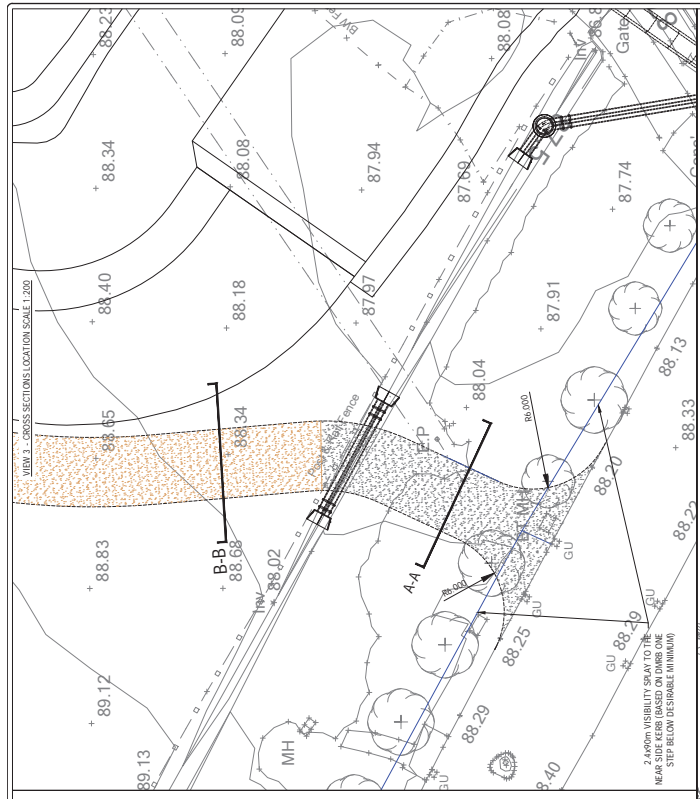
ARDENT CONSULTING ENGINEERS

6th Floor, 207
 One Park Street
 Bristol, BS1 2PB
 Tel: 030 7865 0488
 Fax: 030 7488 3796
 Web: www.ardent-ce.co.uk
 Email: enquiries@ardent-ce.co.uk

WEST BERKSHIRE COUNCIL

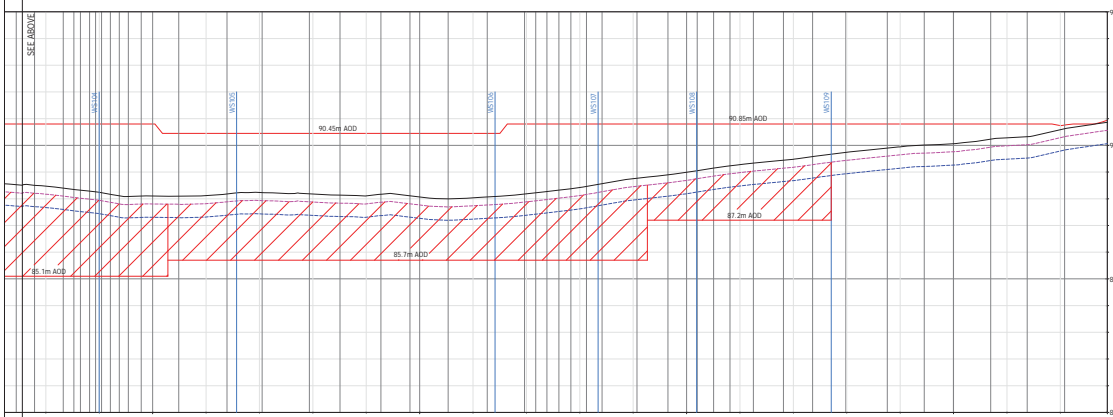
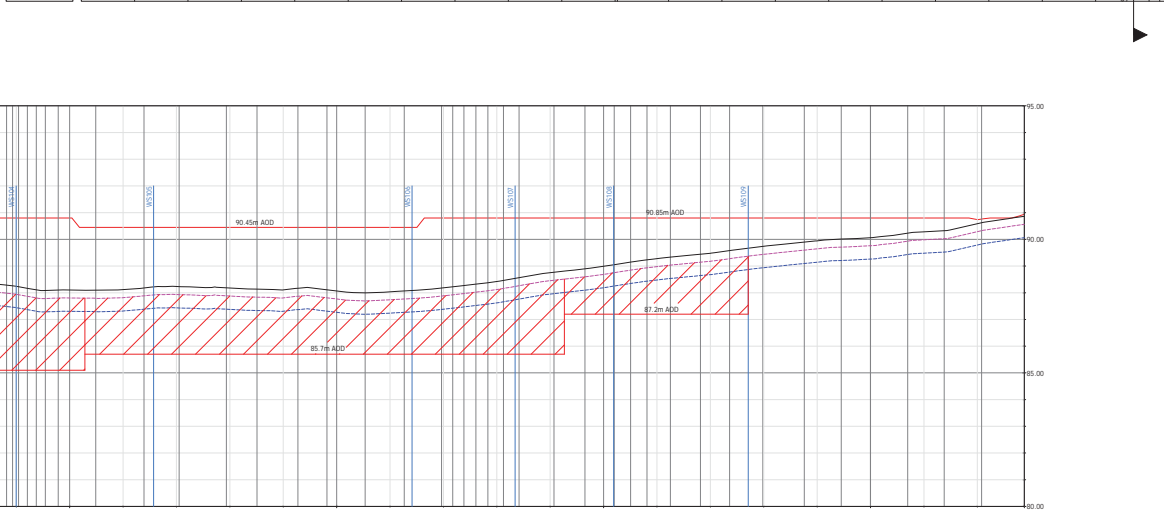
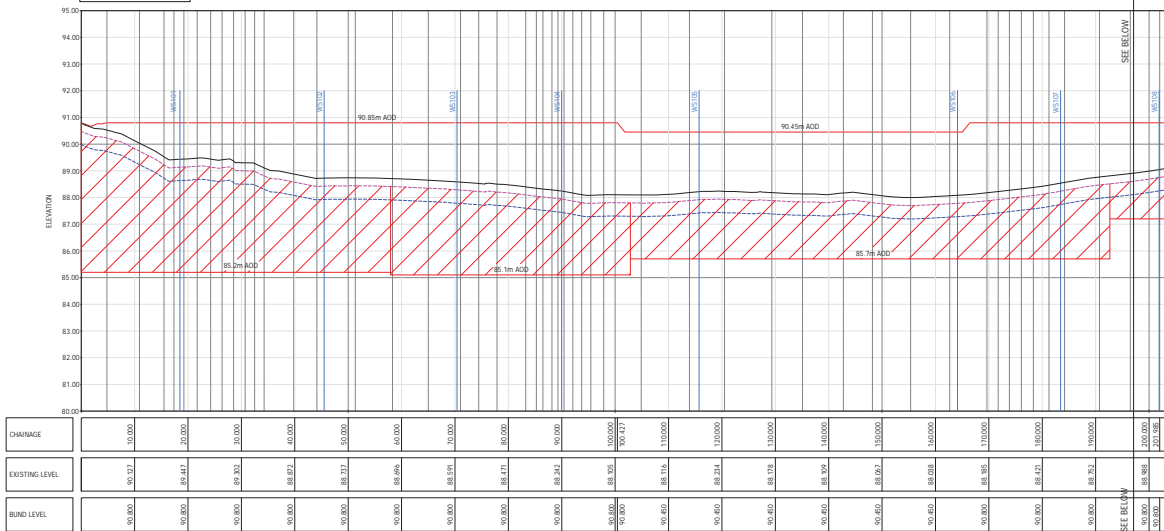
PROJECT TITLE: DUNSTON PARK FLOOD ALLEVIATION SCHEME
 DRAWING TITLE: ACCESS ROAD DETAILS

SCALE: AS SHOWN	DATE: SEPT 2016	DESIGNED: CC
DRAWN: KI	CHECKED: CC	APPROVED: BC
DRAWING NO: RS12-008		

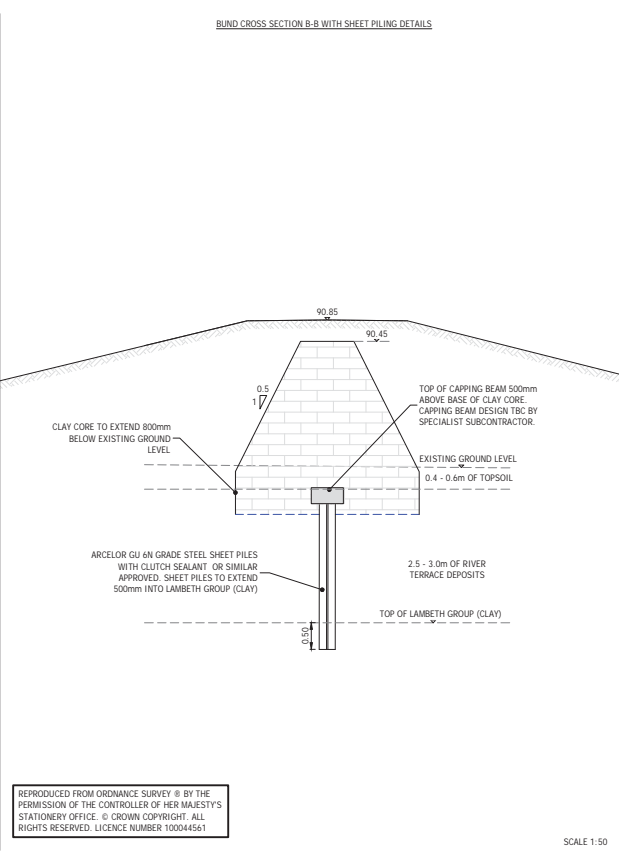
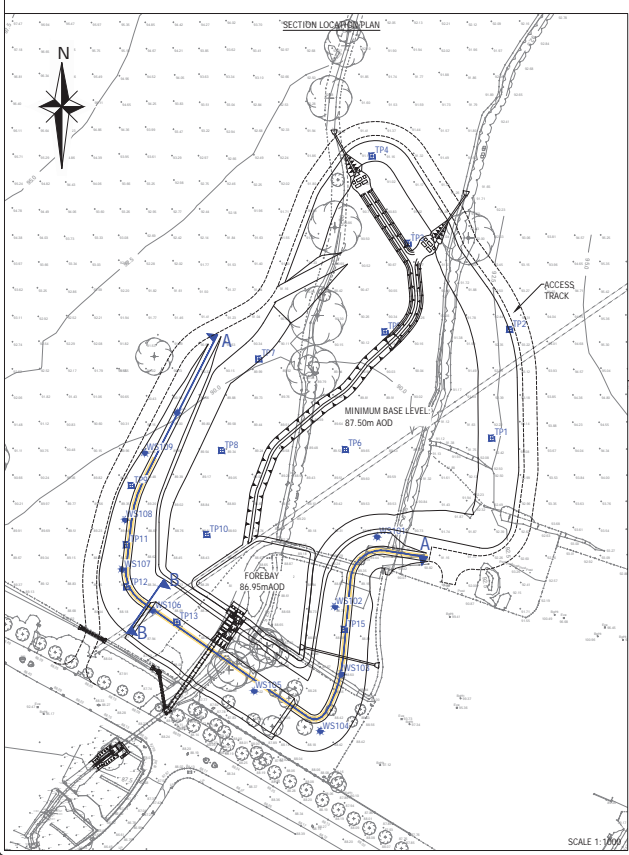


THIS DRAWING IS THE PROPERTY OF ARDENT CONSULTING ENGINEERS. IT IS THE PERMISSION OF THE CONTROLLER OF HER MAJESTY'S STATIONERY OFFICE. © CROWN COPYRIGHT. ALL RIGHTS RESERVED. LICENCE NUMBER 100044561

BUND LONG SECTION A-A
 HOR. SCALE: 1:500
 VERT. SCALE: 1:100
 DATUM: 80.00m AOD



CHAINAGE	EXISTING LEVEL	BUND LEVEL
80.000	88.471	90.800
90.000	88.142	90.800
100.000	88.102	90.800
110.000	88.116	90.800
120.000	88.114	90.800
130.000	88.178	90.800
140.000	88.109	90.800
150.000	88.097	90.800
160.000	88.038	90.800
170.000	88.185	90.800
180.000	88.421	90.800
190.000	88.178	90.800
200.000	88.988	90.800
210.000	88.988	90.800
220.000	88.988	90.800
230.000	88.988	90.800
240.000	88.988	90.800
250.000	88.988	90.800
260.000	88.988	90.800
270.000	88.988	90.800
280.000	88.988	90.800
290.000	88.988	90.800
300.000	88.988	90.800



- 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.
 - 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.
 - STOCKPILING OF TOPSOIL TO BE IN ACCORDANCE WITH BS 3882:07.
 - ALL DITCH SIDE SLOPES AND BUND SLOPES TO BE TOPSOILED PRIOR TO SEEDING IN ACCORDANCE WITH THE ECOLOGICAL PROPOSALS DRAWING.
 - THE CONTRACTOR IS TO SATISFY HIMSELF THAT THE POSITION OF ALL UTILITIES IS CORRECT. THE CONTRACTOR IS TO LIAISE WITH SSE REGARDING WORKS WITH OVERHEAD CABLES AND OBTAIN ANY NECESSARY CONSENT.
 - THE CONTRACTOR IS RESPONSIBLE FOR TOPSOILING AND ANY REQUIRED DITCH DIVERSION WORKS. METHOD AND PHASING OF OPERATIONS TO BE AGREED BY THE ENGINEER AND LAND OWNER PRIOR TO COMMENCEMENT.
 - THE LAYER THICKNESS AND NUMBER OF PASSES WILL BE DETERMINED BY THE TYPE AND WEIGHT OF THE COMPACTION PLANT USED BY THE CONTRACTOR. THE LIFT THICKNESS OF EACH EARTHWORKS FILL TYPE IS LIMITED TO 150mm.
 - REFER TO GEO-ENVIRONMENTAL SERVICES LTD. REPORT FOR THE FLOOD WAY FLOOD ALLEVIATION SCHEME, REPORT REF: GETS144/GIR/160508 DATED 6 MAY 2016 (VER 1.0).
 - SHEET PILING SHOULD EXTEND A MINIMUM OF 500mm INTO THE BASE OF THE CLAY CORE AND 500mm UNTO THE LAMBETH GROUP. DEPTH OF SHEET PILING TO BE CONFIRMED ON SITE BY SITE SUPERVISOR/RESERVOIR ACT CONSTRUCTION ENGINEER.

- CDM NOTES:**
- THE ATTENTION OF THE CLIENT AND THE PRINCIPAL CONTRACTOR 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.
 - 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.
 - 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 DUG 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.

KEY:

- SECTION LOCATIONS ON PLAN
- BUND PROFILE
- EXISTING GROUND
- BASE OF TOP SOIL
- BASE OF CLAY CORE
- INVESTIGATORY WINDOW SAMPLES
- SHEET PILES
- EXTENT OF SHEET PILING ON PLAN

ISSUED FOR PLANNING ONLY

REV AMENDMENTS

ARDENT CONSULTING ENGINEERS

Suite 207
One Allie Street
London
E1 8DE

Tel: 020 7680 4088
Fax: 020 7688 3796
Web: www.ardent-cc.co.uk
E-mail: enquiries@ardent-cc.co.uk

CLIENT: **WEST BERKSHIRE COUNCIL**

PROJECT TITLE: **DUNSTON PARK FLOOD ALLEVIATION SCHEME**

DRAWING TITLE: **SHEET PILING DETAILS**

SCALE: **AS SHOWN @A1** DATE: **SEPT 2016** DESIGNED: **CC**

DRAWN: **KI** CHECKED: **CC** APPROVED: **BC**

DRAWING NO. **RS12-010** REV: **-**

REPRODUCED FROM ORDNANCE SURVEY © BY THE PERMISSION OF THE CONTROLLER OF HER MAJESTY'S STATIONERY OFFICE. © CROWN COPYRIGHT. ALL RIGHTS RESERVED. LICENCE NUMBER: 10004561

SCALE 1:150

NOTES:

- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RELEVANT SPECIFICATION AND ALL OTHER RELATED DRAWINGS ISSUED BY THE ENGINEER.
- ALL DIMENSIONS ON THIS DRAWING ARE IN METRES UNLESS OTHERWISE STATED.
- ALL DIMENSIONS, LEVELS AND SURVEY GRID CO-ORDINATES ARE TO BE CHECKED ON SITE AND THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF THE WORKS.
- NO RELATION FROM THE DETAILS SHOWN ON THIS DRAWING IS PERMITTED WITHOUT PRIOR PERMISSION FROM THE ENGINEER. ALL HANDRAILS AND BENCHES TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- ALL MATERIALS AND WORKMANSHIP SHALL COMPLY FULLY WITH THE RELEVANT SPECIFICATIONS AND STANDARDS FOR HIGHWAY WORKS. VOL 1 AND 2 SPECIFICATION FOR ROAD CONSTRUCTION AND STANDARD DETAILS.

CONTRACTOR'S ATTENTION:

THE ATTENTION OF THE CLIENT, PRINCIPAL CONTRACTOR, DESIGNER AND CONTRACTOR IS DRAWN TO THE FACT THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRODUCTION AND CONSTRUCTION OF THIS PROJECT.

- WORKS IN THE VICINITY OF LIVE SERVICES INCLUDING GAS, ELECTRICITY AND BT WILL BE NECESSARY AND THE ADVICE OF ALL STATUTORY SERVICE COMPANIES MUST BE SOUGHT BEFORE ANY WORKS COMMENCE.
- WORKS WITHIN AND ABOUT THE EXISTING HIGHWAY WILL INVOLVE TRAFFIC HAZARDS AND ALL APPROPRIATE LIGHTING MUST BE UNDERTAKEN TO THE APPROVAL OF THE LOCAL AUTHORITY, THE HIGHWAY AUTHORITY AND THE POLICE DEPARTMENT.
- HAZARDOUS MATERIALS INCLUDING GEMET AND BITUMINOUS MATERIALS ARE SPECIFIED AND PROCEDURES MUST BE OBTAINED AND MADE CLEAR TO ALL OPERATIVES.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING ALL EXISTING SERVICES WITHIN THE VICINITY OF THE WORKS (HAND DIG OR OTHER METHOD) AND DISBURSE THESE SERVICES TO THE APPROPRIATE AGENCIES. THE WORKS SHALL BE MARKED AND CLEARLY MARKED ON THE GROUND PRIOR TO COMMENCEMENT OF THE WORKS.
- THE CONTRACTOR MUST ENSURE ALL WORKING AREAS ARE FULLY SECURE.

CONSTRUCTION CONSTRAINTS

- GRASS MUST BE ALLOWED TO GROW BEFORE THE SPILLWAY EXISTING WATERCOURSE CANNOT BE INFILLED UNTIL THE RESERVOIR ACT CONSTRUCTION ENGINEER HAS ACCEPTED THE PROPOSED INFILLING. THE INFILLING SHALL BE GROWN ON THE DAM AND SPILLWAY. IT MAY BE NECESSARY TO USE PRE-GROWN SEEDED DRAZON.
- STATEMENT DRAWINGS SHOULD REQUIRE THAT THE METHOD CONTRACTOR'S RELATING TO DAM SAFETY WORKS SHOULD BE APPROVED BY THE RESERVOIR ACT CONSTRUCTION ENGINEER FOR ACCEPTANCE I.E.

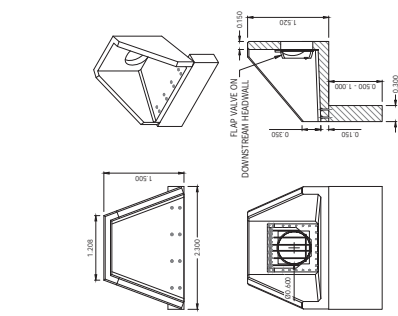
- OUTLET FOUNDATION
- OUTLET CONSTRUCTION AND BACKFILL
- SEQUENCE OF RIVER WINDING
- EMBANKMENT FOUNDATION AND
- GRASS REINFORCEMENT TO SPILLWAY

ISSUED FOR PLANNING ONLY

ARDENT CONSULTING ENGINEERS

One Ailsa Street
 111 Brixton
 London SW9 9LH
 Tel: 020 7468 4038
 Fax: 020 7468 3796
 Web: www.ardent.co.uk
 Email: enquiries@ardent.co.uk

CLIENT:	WEST BERKSHIRE COUNCIL		
PROJECT TITLE:	DUNSTON PARK FLOOD ALLEVIATION SCHEME		
DRAWING TITLE:	RESERVOIR INLET DETAILS		
SCALE:	AS SHOWN @ A1	DATE:	AUG 2016
DRAWN:	SY	CHECKED:	FY
APPROVED:	BC	DESIGNED:	FY
DRAWING NO:	R512-101		



6000mm CULVERT TO INLET FOREBAY 1 (1:50)

DETAIL 1

BACKFILL WITH SUITABLE MATERIAL TO WIDTH OF HEADWALL AND SLOPE DOWN AT 1:3

4.8m WIDE ACCESS TRACK REFER TO DRAWING 512-028

6000 CONCRETE PIPE

75mm OF GRADE GIRTH BINDING

CONCRETE BACKING GRADE GENT

ALITHON SPAFLOD HEADWALL (OR SIMILAR)

75mm OF GRADE GENT BINDING

GAUVAHISED OR STAINLESS STEEL TRASH SCREEN REQUIRED ON UPSTREAM HEADWALL (REFER TO ALTHON DRAWING)

KEEP KLAMP HANDRAIL

EXISTING GROUND LEVEL 88.70

EXISTING GROUND LEVEL 88.10

150mm GRANULAR MATERIAL TO SHW 953-310

300mm GABION MATRESS

INLET FOREBAY REFER TO DRAWING R512-001 FOR FULL DETAILS

6000mm CULVERT HEADWALL ELEVATION (REFER TO ALTHON DRAWING SFAHT00 FOR DETAILS) (1:50)

DETAIL 2

BACKFILL WITH SUITABLE MATERIAL TO WIDTH OF HEADWALL AND SLOPE DOWN AT 1:3

4.8m WIDE ACCESS TRACK REFER TO DRAWING 512-028

6000 CONCRETE PIPE

75mm OF GRADE GIRTH BINDING

CONCRETE BACKING GRADE GENT

ALITHON SPAFLOD HEADWALL (OR SIMILAR)

75mm OF GRADE GENT BINDING

GAUVAHISED OR STAINLESS STEEL TRASH SCREEN REQUIRED ON UPSTREAM HEADWALL (REFER TO ALTHON DRAWING)

KEEP KLAMP HANDRAIL

EXISTING GROUND LEVEL 88.50

EXISTING GROUND LEVEL 88.10

150mm GRANULAR MATERIAL TO SHW 953-310

300mm GABION MATRESS

INLET FOREBAY REFER TO DRAWING R512-001 FOR FULL DETAILS

6000mm CULVERT TO INLET FOREBAY 2 (1:50)

DETAIL 2

BACKFILL WITH SUITABLE MATERIAL TO WIDTH OF HEADWALL AND SLOPE DOWN AT 1:3

4.8m WIDE ACCESS TRACK REFER TO DRAWING 512-028

6000 CONCRETE PIPE

75mm OF GRADE GIRTH BINDING

CONCRETE BACKING GRADE GENT

ALITHON SPAFLOD HEADWALL (OR SIMILAR)

75mm OF GRADE GENT BINDING

GAUVAHISED OR STAINLESS STEEL TRASH SCREEN REQUIRED ON UPSTREAM HEADWALL (REFER TO ALTHON DRAWING)

KEEP KLAMP HANDRAIL

EXISTING GROUND LEVEL 88.50

EXISTING GROUND LEVEL 88.10

150mm GRANULAR MATERIAL TO SHW 953-310

300mm GABION MATRESS

INLET FOREBAY REFER TO DRAWING R512-001 FOR FULL DETAILS

6000mm CULVERT TO DETENTION BASIN (1:50)

DETAIL 3

BACKFILL WITH SUITABLE MATERIAL TO WIDTH OF HEADWALL AND SLOPE DOWN AT 1:3

4.8m WIDE ACCESS TRACK REFER TO DRAWING 512-028

6000 CONCRETE PIPE

75mm OF GRADE GIRTH BINDING

CONCRETE BACKING GRADE GENT

ALITHON SPAFLOD HEADWALL (OR SIMILAR)

75mm OF GRADE GENT BINDING

GAUVAHISED OR STAINLESS STEEL TRASH SCREEN REQUIRED ON UPSTREAM HEADWALL (REFER TO ALTHON DRAWING)

KEEP KLAMP HANDRAIL

EXISTING GROUND LEVEL 88.50

EXISTING GROUND LEVEL 88.10

150mm GRANULAR MATERIAL TO SHW 953-310

300mm GABION MATRESS

INLET FOREBAY REFER TO DRAWING R512-001 FOR FULL DETAILS

STAFF SPECIFICATION INFORMATION

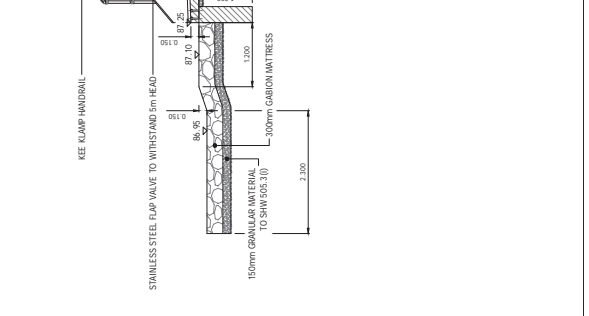
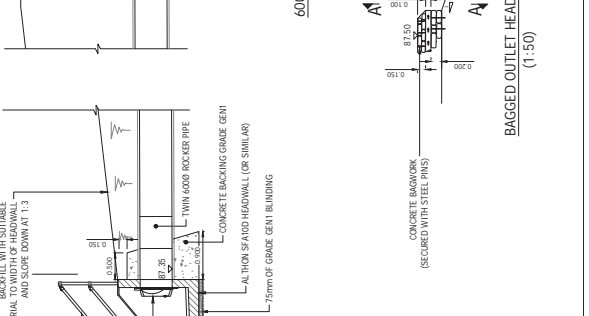
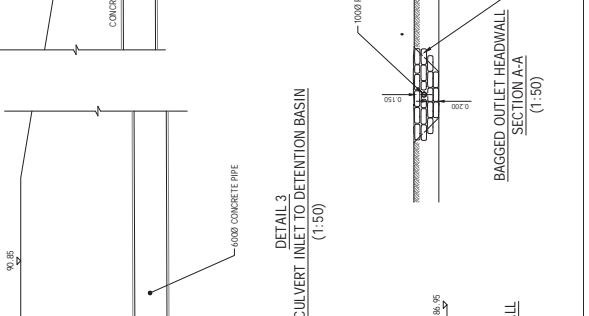
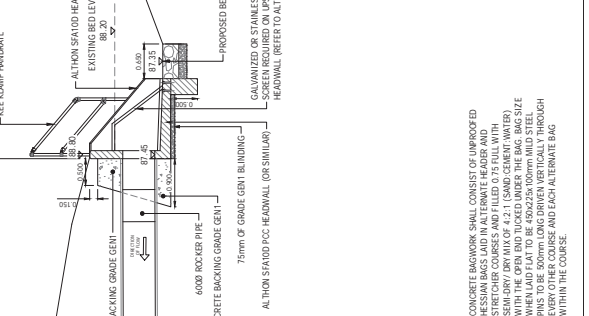
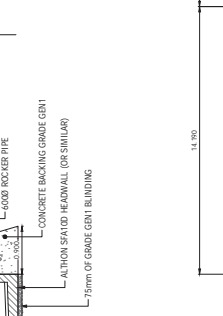
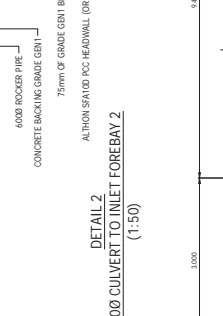
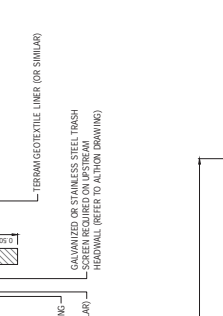
- OPENING IN BACK WALL CAST TO SUIT OUTSIDE DIAMETER OF THE PIPEWORK.
- PIPEWORK SHALL BE 100mm ABOVE THE BACK WALL OF THE HEADWALL TO THE FRONT OF THE SPILLWAY.
- WORKS SHALL BE UP TO 100mm TO PLASTER OR CONCRETE OR UP TO 400mm TO PLASTER OR CONCRETE AND 400mm TO PCC WITHOUT SEWERS FOR ADOPTION COMPLIANT GRADING.

ALITHON SPAFLOD HEADWALL INSTALLATION

UNITS SHOULD BE BEDDED ON MINIMUM 100mm OF SELL DRY CONCRETE.

FOR FULL DETAILED INSTALLATION INSTRUCTIONS CONTACT ALTHON CONCRETE.

ALITHON SPAFLOD HEADWALLS ARE AVAILABLE IN THE FOLLOWING MATERIALS: REINFORCED CONCRETE (WEIGHT APPROXIMATELY 25.0KG - 1.66MG TOE ALL DIMENSIONS IN MM)



BAGGED OUTLET HEADWALL SECTION A-A (1:50)

CONCRETE BACKING SHALL CONSIST OF UNPROTECTED CONCRETE BACKING WITH ALL REINFORCEMENT AND STRECHER COURSES AND FILLED 0.75 FULL WITH SAND-DRY BRIMM OF 4.2:1 (SAND:CEMENT:WATER) WHEN LAD FLAT TO BE 450x225x100mm AND STEEL PINS TO BE 500mm LONG DRIVEN VERTICALLY THROUGH EVERY OTHER COURSE AND EACH ALTERNATE BAG WITHIN THE COURSE.

BAGGED OUTLET HEADWALL SECTION A-A (1:50)

CONCRETE BACKING SHALL CONSIST OF UNPROTECTED CONCRETE BACKING WITH ALL REINFORCEMENT AND STRECHER COURSES AND FILLED 0.75 FULL WITH SAND-DRY BRIMM OF 4.2:1 (SAND:CEMENT:WATER) WHEN LAD FLAT TO BE 450x225x100mm AND STEEL PINS TO BE 500mm LONG DRIVEN VERTICALLY THROUGH EVERY OTHER COURSE AND EACH ALTERNATE BAG WITHIN THE COURSE.

BAGGED OUTLET HEADWALL SECTION A-A (1:50)

CONCRETE BACKING SHALL CONSIST OF UNPROTECTED CONCRETE BACKING WITH ALL REINFORCEMENT AND STRECHER COURSES AND FILLED 0.75 FULL WITH SAND-DRY BRIMM OF 4.2:1 (SAND:CEMENT:WATER) WHEN LAD FLAT TO BE 450x225x100mm AND STEEL PINS TO BE 500mm LONG DRIVEN VERTICALLY THROUGH EVERY OTHER COURSE AND EACH ALTERNATE BAG WITHIN THE COURSE.

BAGGED OUTLET HEADWALL SECTION A-A (1:50)

CONCRETE BACKING SHALL CONSIST OF UNPROTECTED CONCRETE BACKING WITH ALL REINFORCEMENT AND STRECHER COURSES AND FILLED 0.75 FULL WITH SAND-DRY BRIMM OF 4.2:1 (SAND:CEMENT:WATER) WHEN LAD FLAT TO BE 450x225x100mm AND STEEL PINS TO BE 500mm LONG DRIVEN VERTICALLY THROUGH EVERY OTHER COURSE AND EACH ALTERNATE BAG WITHIN THE COURSE.

BAGGED OUTLET HEADWALL SECTION A-A (1:50)

CONCRETE BACKING SHALL CONSIST OF UNPROTECTED CONCRETE BACKING WITH ALL REINFORCEMENT AND STRECHER COURSES AND FILLED 0.75 FULL WITH SAND-DRY BRIMM OF 4.2:1 (SAND:CEMENT:WATER) WHEN LAD FLAT TO BE 450x225x100mm AND STEEL PINS TO BE 500mm LONG DRIVEN VERTICALLY THROUGH EVERY OTHER COURSE AND EACH ALTERNATE BAG WITHIN THE COURSE.

BAGGED OUTLET HEADWALL SECTION A-A (1:50)

CONCRETE BACKING SHALL CONSIST OF UNPROTECTED CONCRETE BACKING WITH ALL REINFORCEMENT AND STRECHER COURSES AND FILLED 0.75 FULL WITH SAND-DRY BRIMM OF 4.2:1 (SAND:CEMENT:WATER) WHEN LAD FLAT TO BE 450x225x100mm AND STEEL PINS TO BE 500mm LONG DRIVEN VERTICALLY THROUGH EVERY OTHER COURSE AND EACH ALTERNATE BAG WITHIN THE COURSE.

BAGGED OUTLET HEADWALL SECTION A-A (1:50)

CONCRETE BACKING SHALL CONSIST OF UNPROTECTED CONCRETE BACKING WITH ALL REINFORCEMENT AND STRECHER COURSES AND FILLED 0.75 FULL WITH SAND-DRY BRIMM OF 4.2:1 (SAND:CEMENT:WATER) WHEN LAD FLAT TO BE 450x225x100mm AND STEEL PINS TO BE 500mm LONG DRIVEN VERTICALLY THROUGH EVERY OTHER COURSE AND EACH ALTERNATE BAG WITHIN THE COURSE.

NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FOR THIS WORK.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FOR THIS WORK.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FOR THIS WORK.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FOR THIS WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FOR THIS WORK.

GENERAL NOTES:

1. ALL DIMENSIONS SHOWN ON THIS DRAWING ARE IN METERS UNLESS OTHERWISE STATED.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FOR THIS WORK.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FOR THIS WORK.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FOR THIS WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FOR THIS WORK.

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FOR THIS WORK.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FOR THIS WORK.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FOR THIS WORK.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FOR THIS WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FOR THIS WORK.

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FOR THIS WORK.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FOR THIS WORK.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FOR THIS WORK.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FOR THIS WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FOR THIS WORK.

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FOR THIS WORK.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FOR THIS WORK.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FOR THIS WORK.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FOR THIS WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FOR THIS WORK.

CONSTRUCTION NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FOR THIS WORK.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FOR THIS WORK.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FOR THIS WORK.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FOR THIS WORK.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NECESSARY PERMITS AND APPROVALS FOR THIS WORK.

ARDENT CONSULTING ENGINEERS

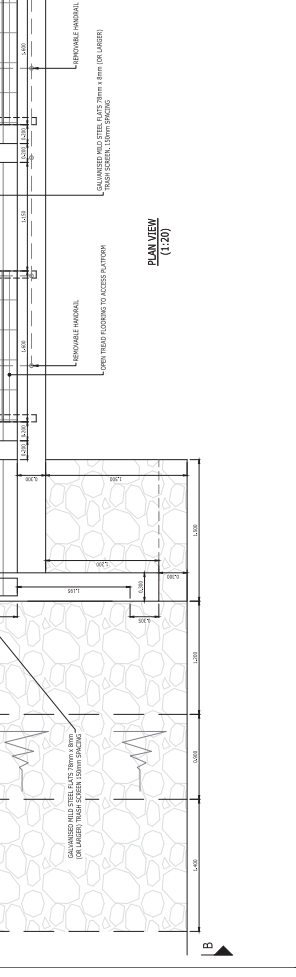
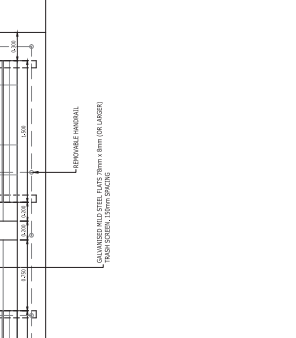
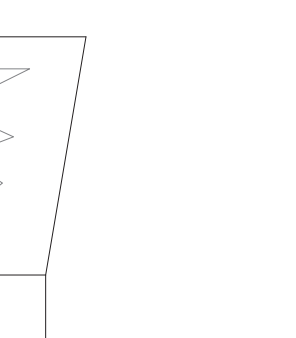
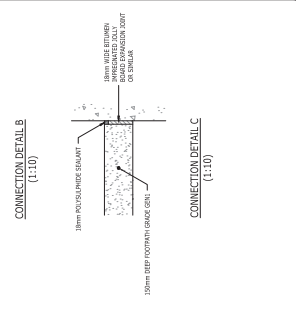
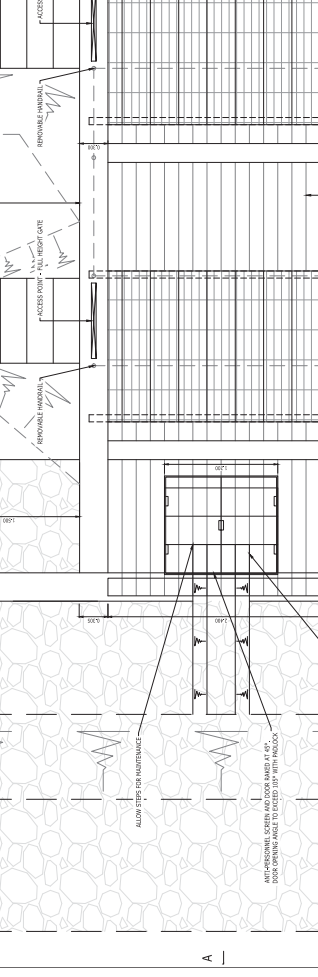
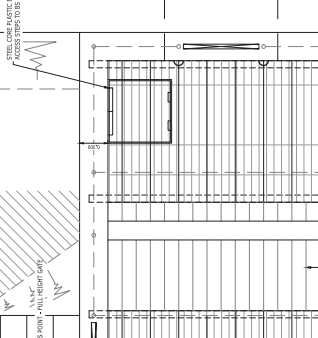
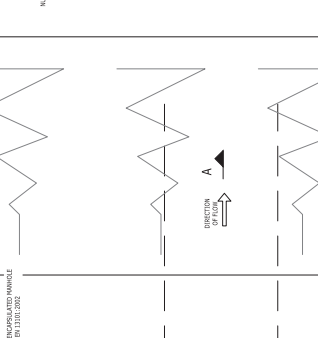
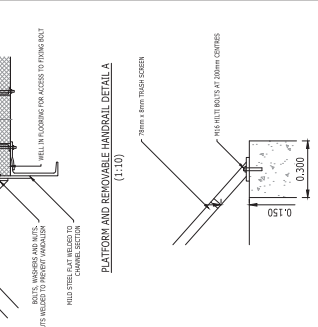
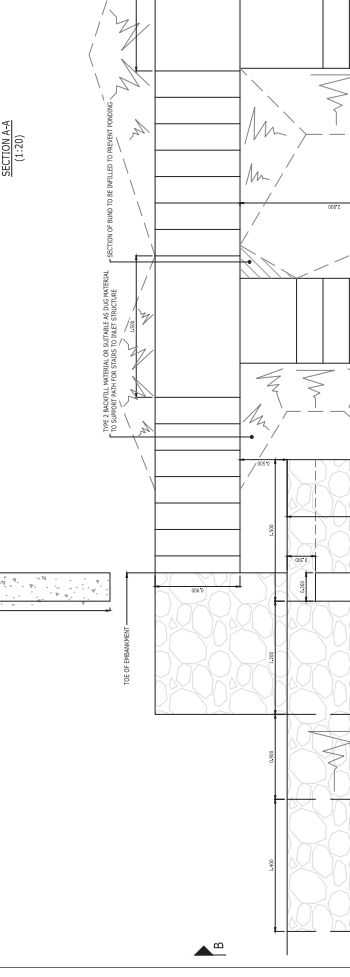
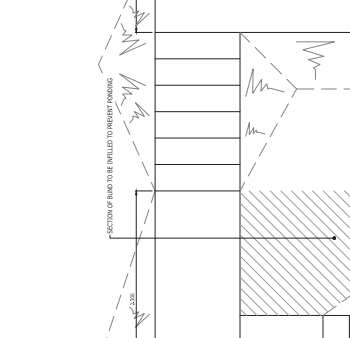
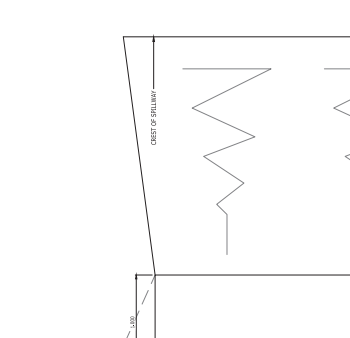
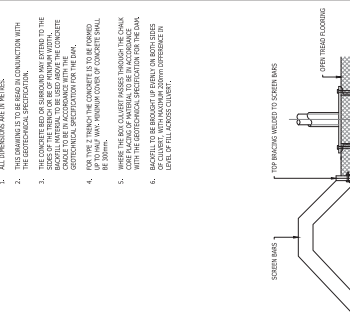
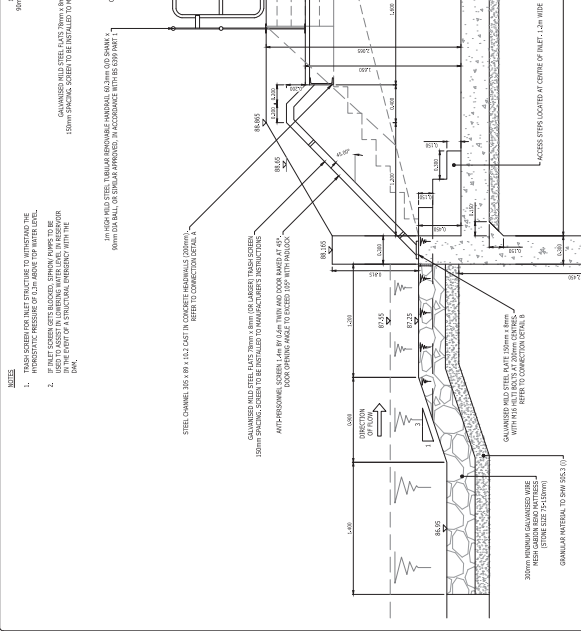
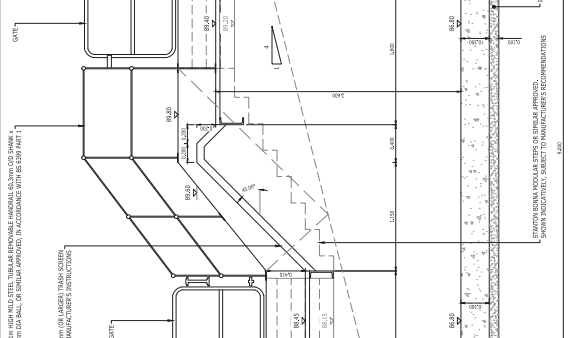
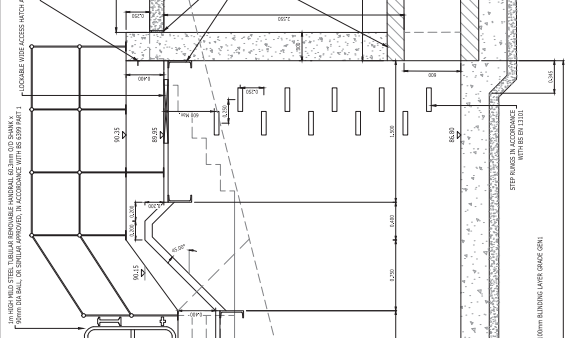
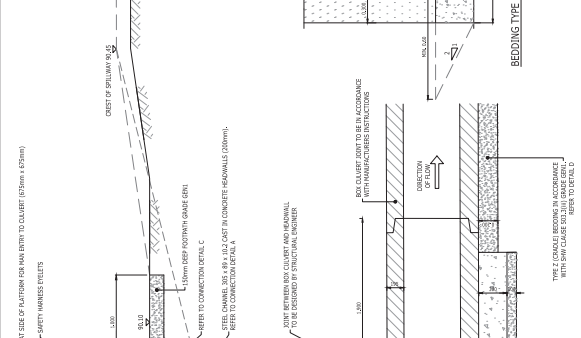
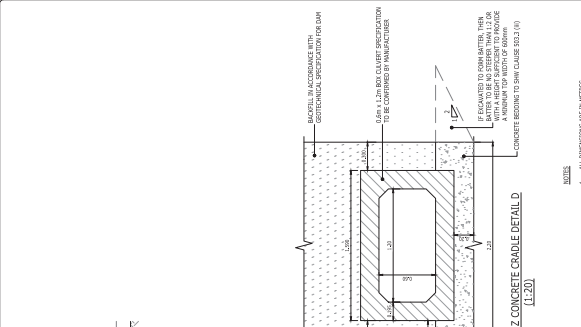
1000 RIVERVIEW DRIVE
SUITE 100
DUNSTON PARK VIC 3083
PH: 03 9479 9799
WWW.ARDENTCONSULTINGENGINEERS.COM.AU

WEST BERKSHIRE COUNCIL

**DUNSTON PARK
FLOOD ALLEVIATION SCHEME**

**CONTROL STRUCTURE INLET DETAILS
(SHEET 1 OF 3)**

DATE: 01/11/2016
DRAWN: JG
CHECKED: P1
PROJECT: F1
SCALE: AS SHOWN (1:20)



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.
- ALL DIMENSIONS, LEVELS AND SURVEY GRID CO-ORDINATES ARE TO BE CHECKED ON SITE AND THE WORKER IS TO BE RESPONSIBLE FOR CORRECTING ANY ERRORS PRIOR TO COMMENCEMENT OF THE WORKS.
- NO RELATION FROM THE DETAILS SHOWN ON THIS DRAWING IS TO BE TAKEN AS AN IMPLICATION THAT THE DRAWING IS PERMITTED WITHOUT PRIOR PERMISSION FROM THE ENGINEER. ALL MATERIALS AND BECAME TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- ALL MATERIALS AND WORKMANSHIP SHALL COMPLY FULLY WITH THE REQUIREMENTS OF THE SPECIFICATION FOR HIGHWAY WORKS. YOU TAKE ONE SPECIFICATION FOR SPECIFICATION FOR ROAD CONSTRUCTION AND STANDARD DETAILS.

COMMENTS:

THE ATTENTION OF THE CLIENT, PRINCIPAL DESIGNER, PRINCIPAL CONTRACTOR, DESIGNERS AND CONTRACTORS IS DRAWN TO THE FOLLOWING POINTS IN CONNECTION WITH THE PROPOSED WORKS AND ON SITE WORKS DESIGNED FOR THIS PROJECT:

- WORKS IN THE VICINITY OF LIVE SERVICES INCLUDING GAS, ELECTRICITY AND BT WILL BE NECESSARY AND THE ADVICE OF ALL STATUTORY SERVICE COMPANIES MUST BE SOUGHT BEFORE ANY WORKS COMMENCE.
- WORKS WITHIN AND ADJUTING THE EXISTING HIGHWAY WILL ENTAIL TRAFFIC HAZARDS AND ALL APPROPRIATE LIGHTING MUST BE UNDERTAKEN TO THE APPROVAL OF THE LOCAL AUTHORITY, THE HIGHWAY AUTHORITY AND THE POLICE DEPARTMENT.
- HAZARDOUS MATERIALS INCLUDING CEMENT AND BITUMINOUS MATERIALS ARE SPECIFIED AND THE 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 THE WORKS ARE NOT UNDERTAKEN IN THE LOCATION OF THE SERVICES. ALL EXISTING SERVICES SHALL BE CLEARLY MARKED ON THE GROUND PRIOR TO COMMENCEMENT OF THE WORKS.
- THE CONTRACTOR MUST ENSURE ALL WORKING AREAS ARE FULLY SECURE.

CONSTRUCTION CONSTRAINTS

- GRASS MUST BE ALLOWED TO GROW BEFORE THE SPILLWAY EXISTING WATERCOURSE CANNOT BE INFILLED UNTIL THE RESERVOIR ACT CONSTRUCTION ENGINEER HAS ACCEPTED THE PROPOSED CONSTRUCTION METHOD. THE GRASS SHALL BE REPRODUCED ON THE GRASS BEING FULLY GROWN ON THE DAM AND SPILLWAY. IT MAY BE NECESSARY TO USE PRE-GROWN SEEDED DIMAZON.
- CONTRACT DRAWINGS SHOULD REQUIRE THAT THE FOOD STATEMENTS RELATING TO DAM SAFETY WORKS SHOULD BE PROVIDED TO THE RESERVOIR ACT CONSTRUCTION ENGINEER FOR ACCEPTANCE I.E.

- OUTLET FOUNDATION
- OUTLET CONSTRUCTION AND BACKFILL
- SEQUENCE OF RIVER WAZING
- EMBANKMENT FOUNDATION AND
- GRASS REINFORCEMENT TO SPILLWAY

ISSUED FOR PLANNING ONLY

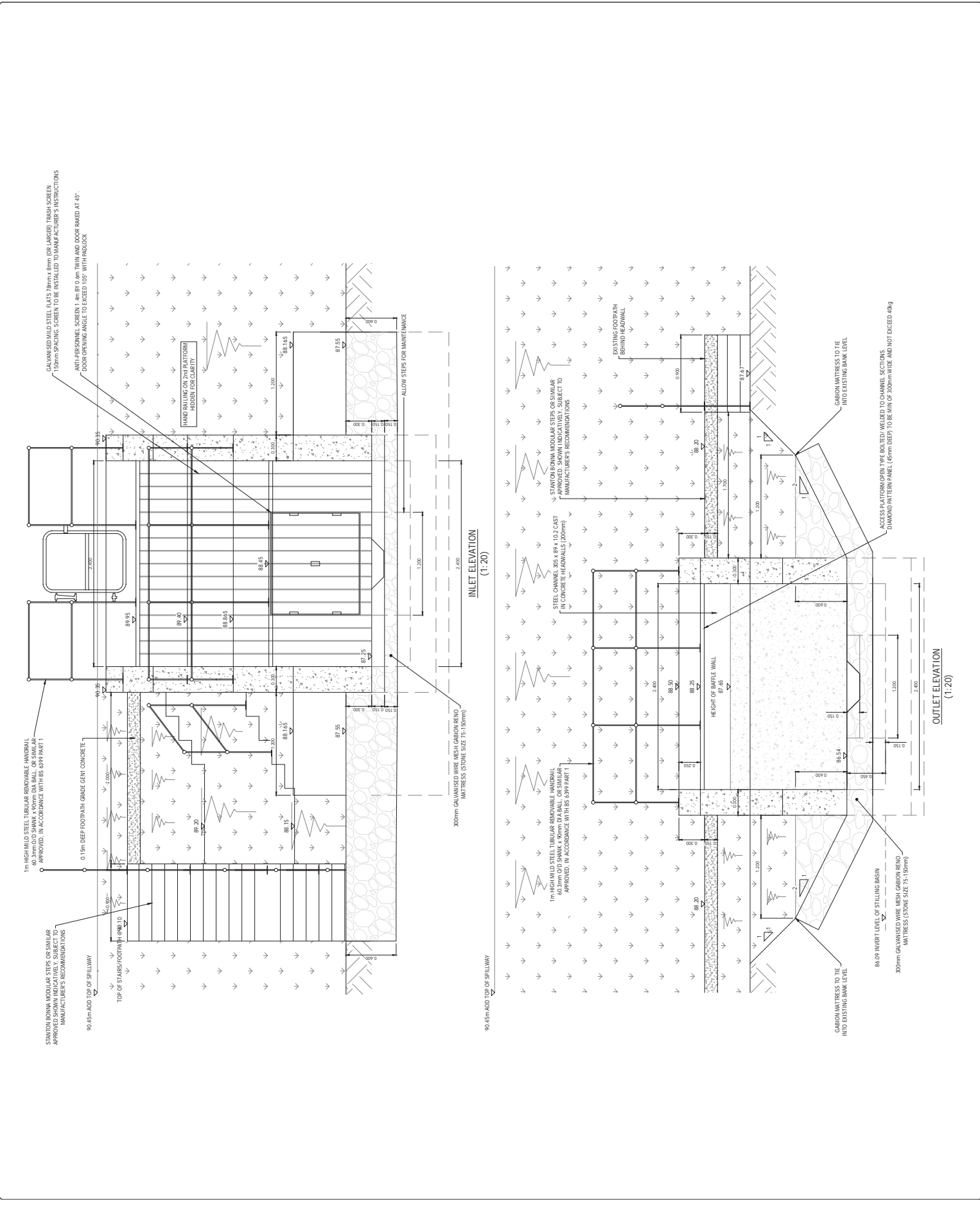
ARDENT CONSULTING ENGINEERS
 5th Floor
 One Ash Street
 Dunstons Park
 E1 1BE
 Tel: 020 7468 4088
 Fax: 020 7468 3796
 Web: www.ardent-ce.co.uk
 Email: enquiries@ardent-ce.co.uk

WEST BERKSHIRE COUNCIL

**DUNSTONS PARK
 FLOOD ALLEVIATION SCHEME**

**CONTROL STRUCTURE ELEVATIONS
 (SHEET 3 OF 3)**

SCALE: AS SHOWN @ A1
 DATE: AUG 2016
 DRAWN: SF
 CHECKED: FY
 APPROVED: BC
 DRAWING NO: R512-104



**INLET ELEVATION
 (1:20)**

**OUTLET ELEVATION
 (1:20)**

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH THE RELEVANT SPECIFICATION AND ALL OTHER RELATED DRAWINGS ISSUED BY THE ENGINEER.
2. ALL DIMENSIONS SHOWN ON THIS DRAWING ARE IN METRES UNLESS OTHERWISE STATED.
3. ALL DIMENSIONS, LEVELS AND SURVEY GRID CO-ORDINATES ARE TO BE CHECKED ON SITE AND RECORDED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF THE WORKS.
4. NO DEVIATION FROM THE DETAILS SHOWN ON THIS DRAWING IS PERMITTED WITHOUT PRIOR PERMISSION FROM THE ENGINEER. ALL HANDOVERS AND BECANS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
5. ALL MATERIALS AND WORKMANSHIP SHALL COMPLY FULLY WITH THE REQUIREMENTS OF THE NATIONAL SPECIFICATION FOR ROAD CONSTRUCTION AND STANDARD DETAILS.

COMMITMENTS
 THE ATTENTION OF THE CLIENT, PRINCIPAL DESIGNER, PRINCIPAL CONTRACTOR, DESIGNERS AND CONTRACTORS IS DRAWN TO THE FACT THAT THE PROPOSED CONSTRUCTION WORKS WILL BE UNDERTAKEN AT THE SAME TIME AS CONSTRUCTION WORKS WITHIN THE PROPOSED SITE AND ADJACENT WORKS AS DESIGNED FOR THIS PROJECT.

1. WORKS IN THE VICINITY OF THE SERVICES INCLUDING GAS, ELECTRICITY AND BT WILL BE NECESSARY AND THE ADVICE OF ALL STATUTORY SERVICE COMPANIES MUST BE SOUGHT BEFORE ANY WORKS COMMENCE.
2. WORKS WITHIN AND ABOUT THE EXISTING HIGHWAY WILL INVOLVE TRAFFIC HAZARDS AND ALL APPROPRIATE LIGHTING MUST BE UNDERTAKEN TO THE APPROVAL OF THE LOCAL AUTHORITY, THE HIGHWAY AUTHORITY AND THE POLICE DEPARTMENT.
3. HAZARDOUS MATERIALS INCLUDING GEMET AND BITUMINOUS MATERIALS AS SPECIFIED AND OPERATIVES MUST BE OBTAINED AND MADE CLEAR TO ALL OPERATIVES.
4. THE CONTRACTOR WILL BE RESPONSIBLE FOR LOCATING ALL EXISTING SERVICES WITHIN THE VICINITY OF THE WORKS (HAND DIG OR OTHER METHOD) AND DISBURSE THESE SERVICES TO THE LOCATION OF THE PROPOSED WORKS MARKED ON THE GROUND PRIOR TO COMMENCEMENT OF THE WORKS.
5. THE CONTRACTOR MUST ENSURE ALL WORKING AREAS ARE FULLY SECURE.

CONSTRUCTION CONSTRAINTS
 1. GRASS MUST NOT BE ALLOWED TO GROW BEFORE THE SPILLWAY EXISTING WATERCOURSE CANNOT BE FULFILLED UNTIL THE RESERVOIR ACT CONSTRUCTION ENGINEER HAS ACCEPTED THIS DRAWING AND THE CONTRACTOR HAS AGREED TO THIS. THIS WILL BE DEPENDANT ON THE GRASS BEING FULLY GROWN ON THE DAM AND SPILLWAY. IT MAY BE NECESSARY TO USE PRE-GROWNSSEED MIXTURE.

2. CONTRACT DRAWINGS SHOULD REQUIRE THAT THE TPOD STATEMENTS RELATING TO DAM SAFETY WORKS SHOULD BE FOR ACCEPTANCE I.E.
 - OUTLET FOUNDATION AND BACKFILL;
 - SEQUENCE OF RIVER HANDLING;
 - EMBANKMENT FOUNDATION AND;
 - GRASS REINFORCEMENT TO SPILLWAY

ISSUED FOR
 PLANNING ONLY

REV	DATE	BY	APP'D
C	14/06/2024	JM	SM
B	07/12/2023	JM	SM
A	07/12/2023	JM	SM
1	07/12/2023	JM	SM

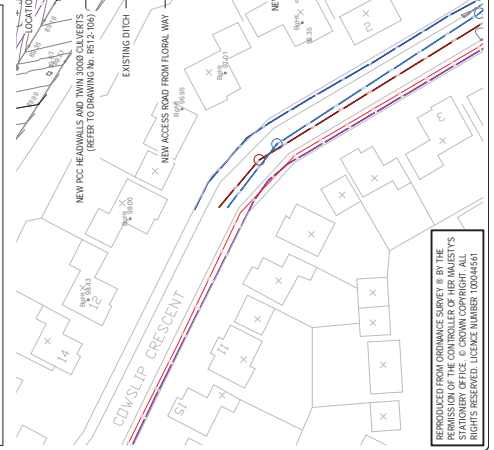
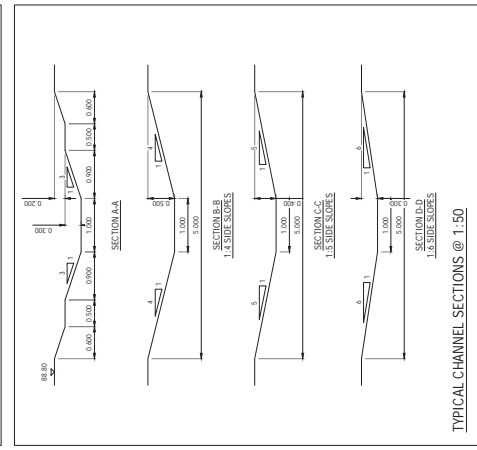
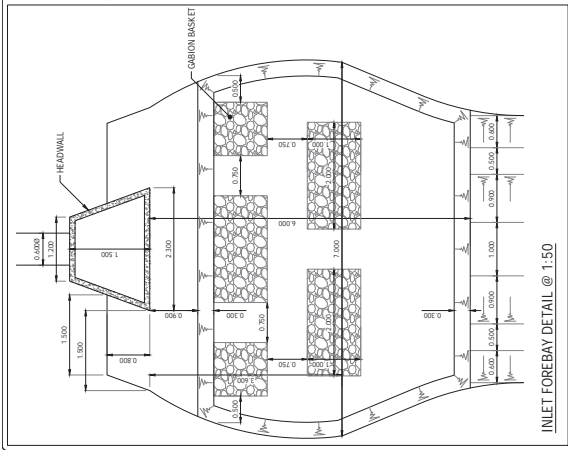
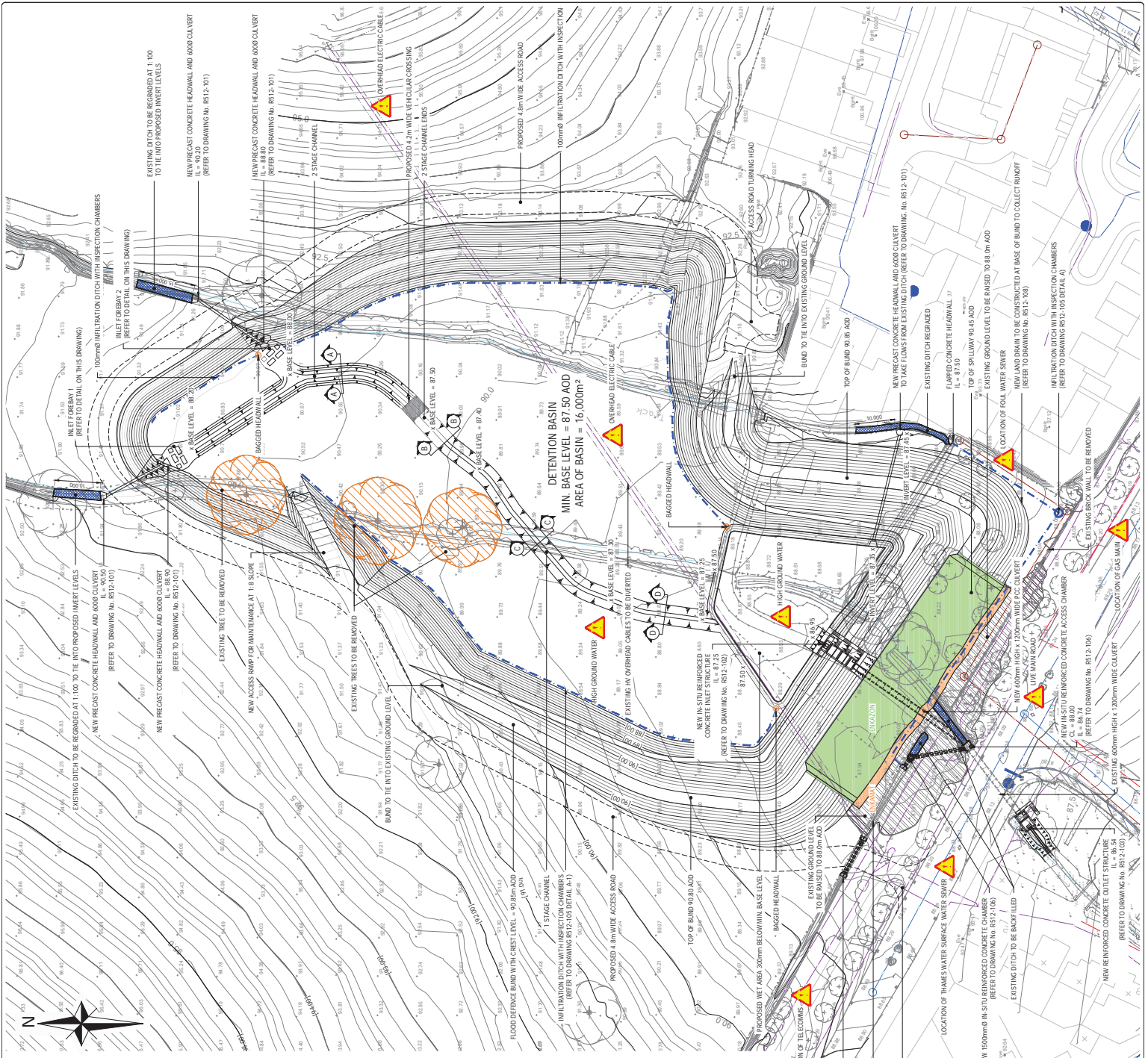
ARDENT CONSULTING ENGINEERS
 One Ash Street
 Etchells
 Tel: 020 7488 4088
 Fax: 020 7488 3798
 Web: www.ardent-co.co.uk
 Email: enquiries@ardent-co.co.uk

WEST BERKSHIRE COUNCIL

PROJECT TITLE
**DUNSTON PARK
 FLOOD ALLEVIATION SCHEME**

DRAWING TITLE
**PROPOSED FLOOD ALLEVIATION
 GENERAL ARRANGEMENT**

SCALE	DATE	DESIGNED	FBG
1:500 @ A1	07.12.15	CHECKED	CC
DRAWN	FBG	APPROVED	BC
DRAWING NO.	RS12.1001		
REV			
			C



UNLESS STATED OTHERWISE CONSENT IS GIVEN BY THE PERMISSION OF THE CONTROLLER OF HER MAJESTY'S STATIONERY OFFICE. © CROWN COPYRIGHT. ALL RIGHTS RESERVED. LICENSE NUMBER 10004461

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 MILLIMETRES UNLESS OTHERWISE STATED.
- 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.
- ALL EXISTING SERVICE ROUTES HAVE BEEN TRANSCRIBED FROM THE RECORD DRAWINGS. THE ENGINEER ACCEPTS SUCH NO RESPONSIBILITY FOR THE ACCURACY OF ROUTES SHOWN.
- ALL EXISTING SERVICE ROUTES SHOULD BE VERIFIED ON SITE BY WAY OF HAND DUG TRIAL HOLES PRIOR TO THE COMMENCEMENT OF ANY WORKS.
- THE SERVICES SHOWN ARE NOT TO BE CONSIDERED GUARANTEED. THE ENGINEER WILL BE RESPONSIBLE FOR LOCATING AND VERIFYING SERVICES PRIOR TO WORKS. THE EMPLOYMENT PHASES AND CARE SHOULD BE TAKEN TO LOCATE AND AVOID ANY SERVICES TO BE RETAINED AS PART OF THE DEVELOPMENT.
- TOPOGRAPHICAL SURVEY SHOWN IS BASED ON INCOMING SURVEY DRAWING 1006-91 HANTS HILLS SURVEY, DATED MARCH 2012 BY FITCHETT SURVEYS.

CONTRACTOR 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 TO THE CENTER OF THE SERVICES INCLUDING GAS, ELECTRICITY AND TELECOMS WILL BE NECESSARY AND THE AUTHORITY OF ALL STATUTORY SERVICE COMPANIES MUST BE SOUGHT BEFORE ANY WORKS COMMENCE.
- WORKS WITHIN AND ABOUT THE EXISTING HIGHWAY WILL ENTAIL TRAFFIC HAZARDS AND ALL APPROPRIATE SAFETY MEASURES MUST BE IMPLEMENTED AND ALL WORKS MUST BE UNDER TAKEN TO THE APPROVAL OF THE LOCAL AUTHORITY, THE HIGHWAY AUTHORITY AND THE POLICE DEPARTMENT.
- HAZARDOUS MATERIALS INCLUDING CEMENT AND BITUMINOUS MATERIALS ARE SPECIFIED AND THE CONTRACTOR MUST OBTAIN AND MAKE CLEAR TO ALL OPERATIVES.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SERVICES WITHIN THE VICINITY OF THE WORKS (HAND DUG OR OTHER METHOD) AND ENSURE THESE ARE PROTECTED THROUGHOUT THE DURATION OF THE WORKS. PROTECTIVE COVERINGS MUST BE INSTALLED TO PROTECT THE GROUND PRIOR TO COMMENCEMENT OF THE WORKS.
- THE CONTRACTOR MUST ENSURE ALL WORKING AREAS ARE FULLY SECURED.

UTILITIES KEY

- EXISTING THAMES WATER WATER MAIN
- EXISTING THAMES WATER FOUL WATER SEWER
- EXISTING THAMES WATER SURFACE WATER SEWER
- EXISTING SCOTIA GAS NETWORKS MAIN
- EXISTING ENVOY GAS MAIN
- EXISTING SCOTTISH AND SOUTHERN ENERGY CABLE
- PROPOSED HV OVERHEAD DIVERSION ROUTE TBC BY SSE
- PROPOSED HV UNDERGROUND DIVERSION ROUTE TBC BY SSE

ISSUED FOR PLANNING ONLY

NO. PROJECT: CC CC CC 2016/16

DATE: CC CC CC 2016

SCALE: 1:500 @ A1

DESIGNED: CC

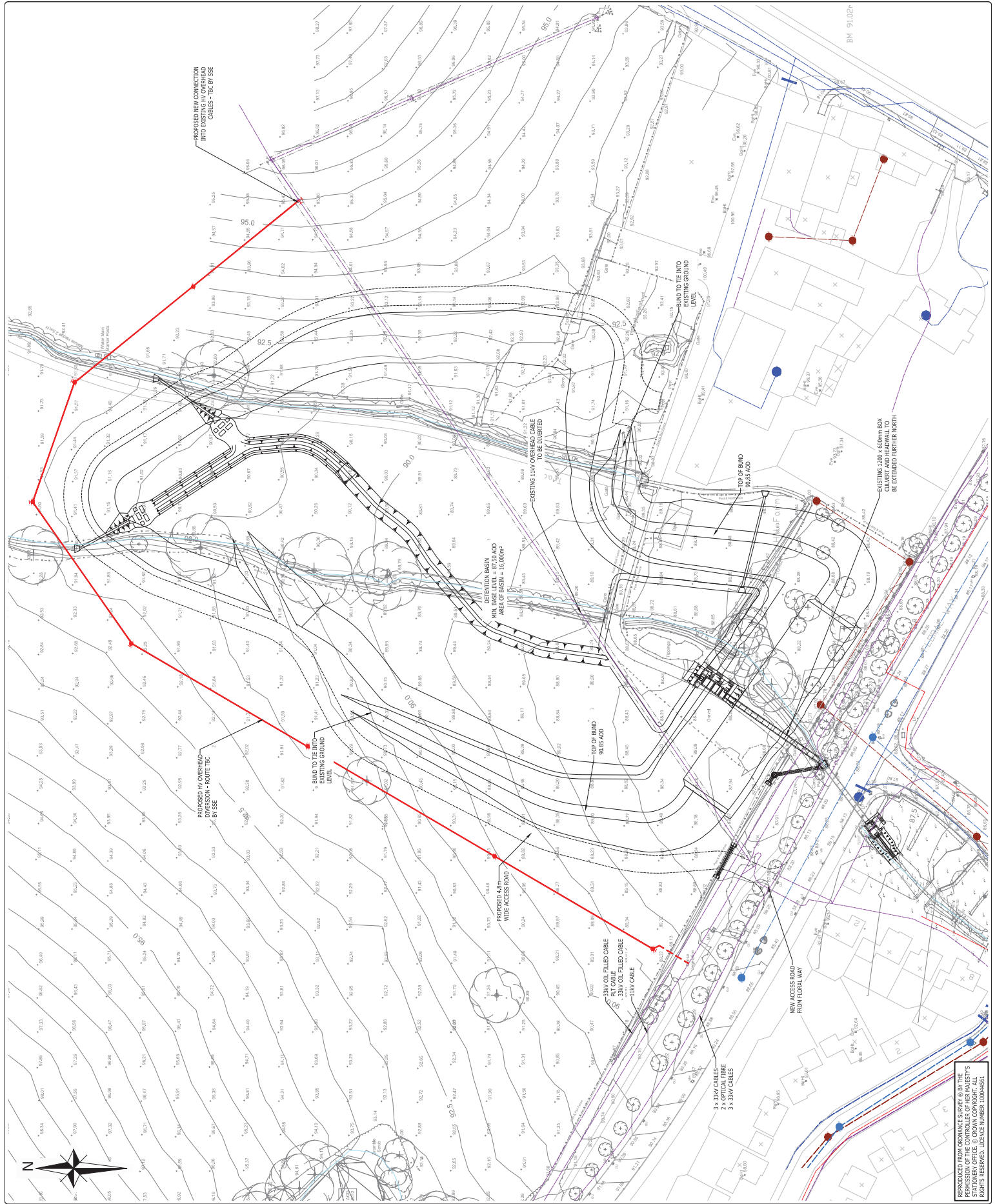
DRAWN: CC

CHECKED: FY

APPROVED: BC

DRAWING NO: R512-003

REVISION A



THIS DRAWING IS FOR PLANNING PURPOSES ONLY AND IS NOT A SUBSTITUTION FOR A PROFESSIONAL ENGINEERING DRAWING. THE ENGINEER ACCEPTS NO RESPONSIBILITY FOR THE ACCURACY OF THIS DRAWING. THE ENGINEER WILL BE RESPONSIBLE FOR LOCATING AND VERIFYING SERVICES PRIOR TO WORKS. THE EMPLOYMENT PHASES AND CARE SHOULD BE TAKEN TO LOCATE AND AVOID ANY SERVICES TO BE RETAINED AS PART OF THE DEVELOPMENT.

STATIONERY OFFICE © CROWN COPYRIGHT. ALL RIGHTS RESERVED. LICENCE NUMBER 100049581

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.
- ALL DIMENSIONS, LEVELS AND SURVEY GRID CO-ORDINATES ARE TO BE CHECKED ON SITE AND THE ENGINEER SHALL BE RESPONSIBLE FOR ANY DISCREPANCIES PRIOR TO THE COMMENCEMENT OF THE WORKS.
- NO RELATION FROM THE DETAILS SHOWN ON THIS DRAWING IS TO BE TAKEN AS AN IMPLICATION FROM THE ENGINEER. ALL MATERIALS AND BECANS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
- ALL MATERIALS AND WORKMANSHIP SHALL COMPLY FULLY WITH THE SPECIFICATION FOR ROAD CONSTRUCTION AND STANDARD SPECIFICATION FOR ROAD CONSTRUCTION AND STANDARD DETAILS.

COMMENTS:

THE ATTENTION OF THE CLIENT, PRINCIPAL DESIGNER, PRINCIPAL CONTRACTOR, DESIGNERS AND CONTRACTORS IS DRAWN TO THE FACT THAT THE RISKS IN CONSTRUCTION WITH THE PROPOSED WORKS AND ON-SITE WORKS ARE AS FOLLOWS:

- WORKS IN THE VICINITY OF LIVE SERVICES INCLUDING GAS, ELECTRICITY AND BT WILL BE NECESSARY AND THE ADVICE OF ALL STATUTORY SERVICE COMPANIES MUST BE SOUGHT BEFORE ANY WORKS COMMENCE.
- WORKS WITHIN AND ADJUTING THE EXISTING HIGHWAY WILL ENTAIL TRAFFIC HAZARDS AND ALL APPROPRIATE LIGHTING MUST BE UNDERTAKEN TO THE APPROVAL OF THE LOCAL AUTHORITY, THE HIGHWAY AUTHORITY AND THE POLICE DEPARTMENT.
- HAZARDOUS MATERIALS INCLUDING GEMET AND BITUMINOUS MATERIALS ARE SPECIFIED AND THE CONTRACTOR MUST BE MADE CLEAR TO ALL OPERATIVES. MUST BE OBTAINED AND MADE CLEAR TO ALL OPERATIVES.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR OBTAINING ALL EXISTING SERVICES WITHIN THE VICINITY OF THE WORKS (HAND DIG OR OTHER METHOD) AND ENSURE THAT THE WORKS ARE NOT UNDERTAKEN IN THE LOCATION MARKED ON THE GROUND PRIOR TO COMMENCEMENT OF THE WORKS.
- THE CONTRACTOR MUST ENSURE ALL WORKING AREAS ARE FULLY SECURE.

CONSTRUCTION CONSTRAINTS

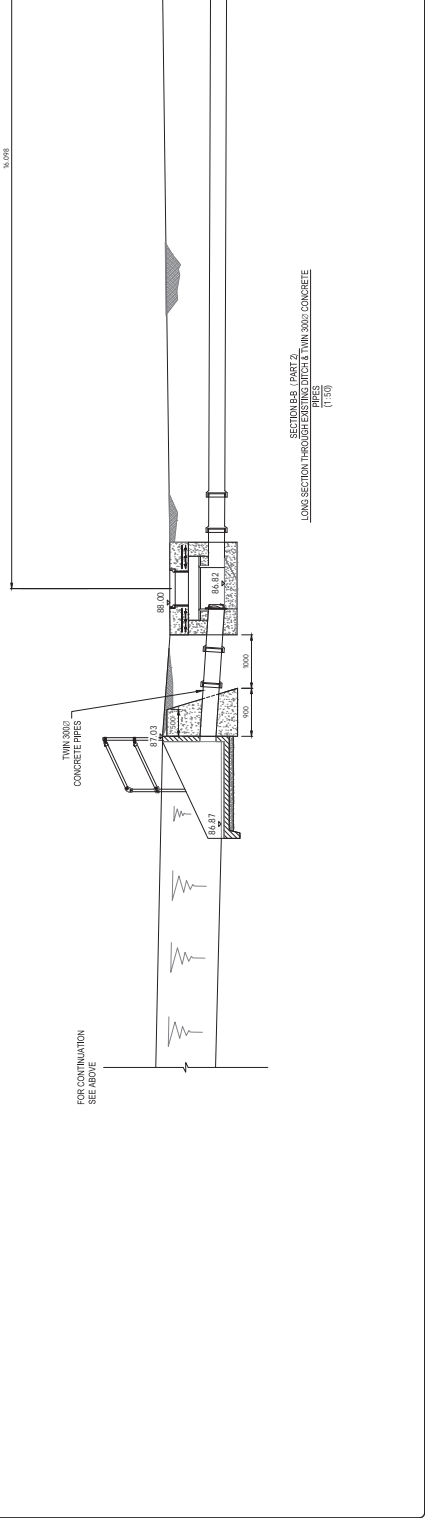
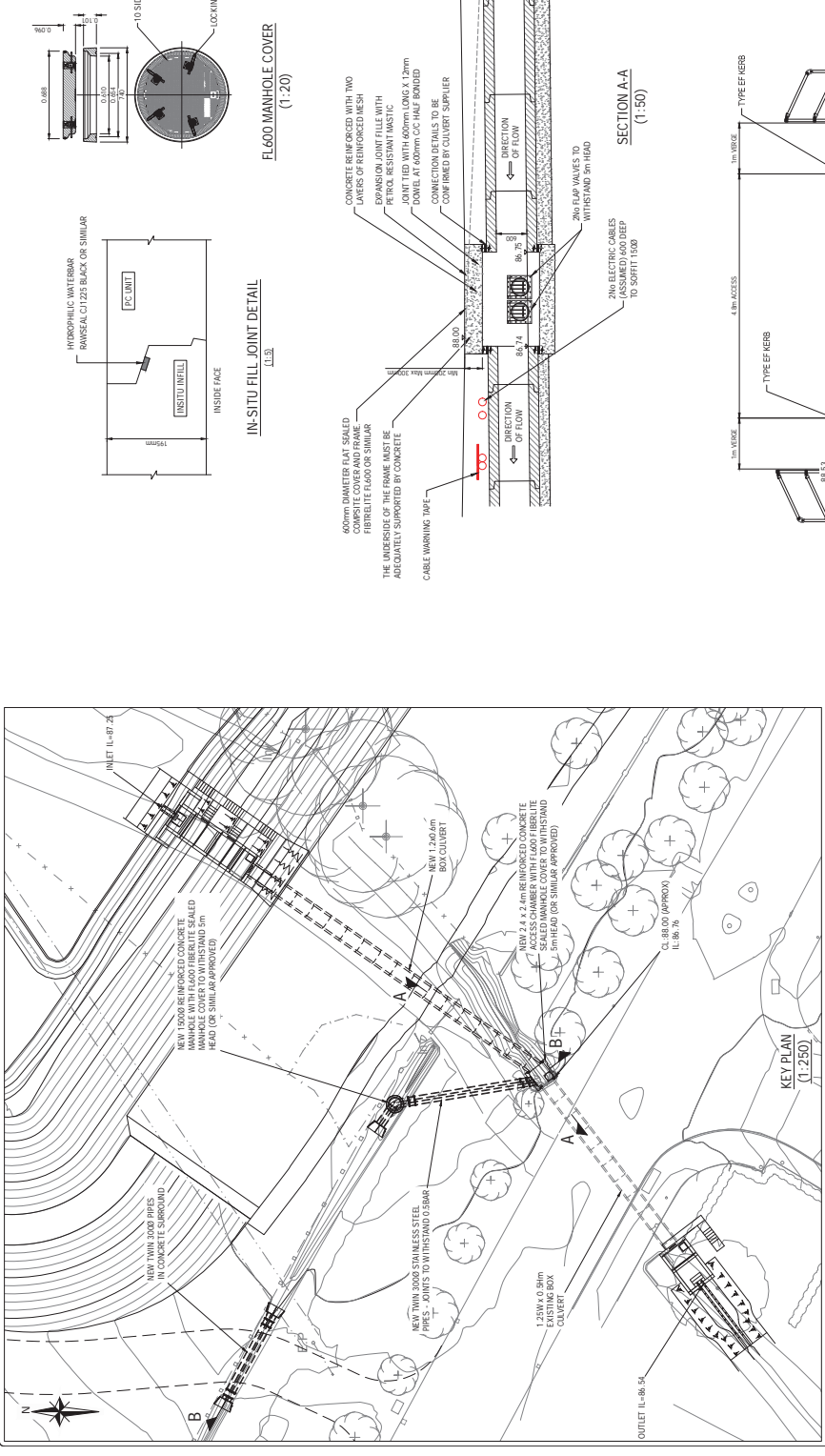
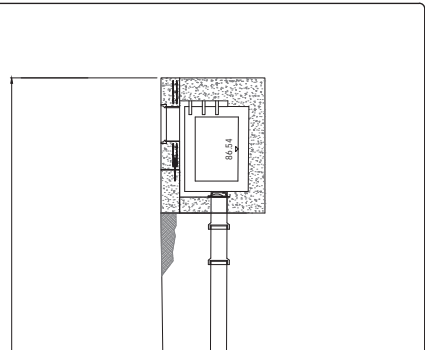
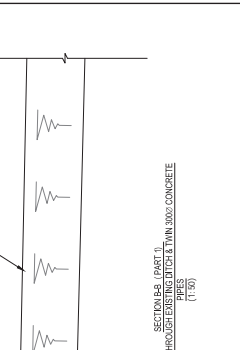
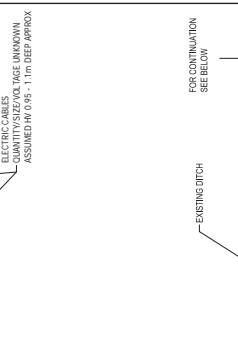
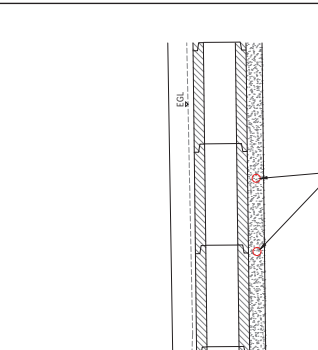
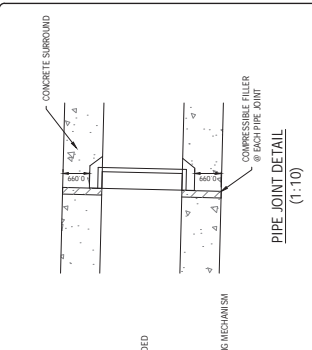
- GRASS MUST BE ALLOWED TO GROW BEFORE THE SPILLWAY EXISTING WATERCOURSE CANNOT BE INFILLED UNTIL THE RESERVOIR ACT CONSTRUCTION ENGINEER HAS ACCEPTED THE PROPOSED CONSTRUCTION. THIS WILL BE FURTHER ON THE GRASS BEING FULLY GROWN ON THE DAM AND SPILLWAY. IT MAY BE NECESSARY TO USE PRE-GROWN SEEDED DIMAZON.
- CONTRACT DRAWINGS SHOULD REQUIRE THAT THE METHOD STATEMENTS RELATING TO DAM SAFETY WORKS SHOULD BE FOR APPROVAL BY THE RESERVOIR ACT CONSTRUCTION ENGINEER FOR ACCEPTANCE I.E.

- OUTLET FOUNDATION
- OUTLET CONSTRUCTION AND BACKFILL
- SEQUENCE OF RIVER HANDLING
- EMBANKMENT FOUNDATION AND
- GRASS REINFORCEMENT TO SPILLWAY

ARDENT CONSULTING ENGINEERS

Unit 6, 107
One Park Street
Bristol, BS1 2PB
Tel: 030 7868 4088
Fax: 030 7868 3798
Web: www.ardent-co.co.uk
Email: enquiries@ardent-co.co.uk

CLIENT:	WEST BERKSHIRE COUNCIL
PROJECT TITLE:	DUNSTON PARK FLOOD ALLEVIATION SCHEME
DRAWING TITLE:	SEALED CHAMBER DETAILS
SCALE:	AS SHOWN @ A1
DATE:	SEPT 2016
DESIGNED:	FY
CHECKED:	BC
APPROVED:	BC
DRAWING NO:	R512-106
REV:	-



REPRODUCED FROM ORDNANCE SURVEY © BY THE PERMISSION OF THE CONTROLLER OF HER MAJESTY'S RIGHTS RESERVED. LICENCE NUMBER 100044861