Drawing Number
158454-ARC-02-ZZ-DRG-ECV-140012
P02

N
POTENTIAL REPLANTING, LANDSCAPING, FLOOD STORAGE AND COMPENSATORY WORKS
A!
NATIONAL GRID HP GAS MAIN
KEY PLAN
SCALE 1:2500
HEADWALL
1.5m DIA. DRAINAGE INTERCEPTORS FOUND AT 50m c/c ALONG DRAINAGE CHANNEL
HEADWALL
PROPOSED ATTENUATION POND FOLLOWS TRACK PROFILE
6765
HEADWALL
1.5m DIA. DRAINAGE INTERCEPTOR AT CENTRE OF DRAINAGE CHANNEL
HEADWALL
HEADWALL
PROPOSED ATTENUATION POND
(BGK) MP 54
PROPOSED HV CABLE ROUTE
1275x735mm DRAINAGE INTERCEPTORS FOUND AT 30m c/c ALONG DRAIANGE CHANNEL
DRAINAGE CHANNEL FOUND 1750mm FROM LOOP LINE
PROPOSED ATTENUATION POND
7410
IL=14.71 AT END OF PLATFORM (WHICH WATERSHED TO STAY HIGH OF GAS MAIN)
900x900mm DRAINAGE INTERCEPTOR
PROPOSED ATTENUATION POND
4500
3 No. CROSS CONNECTIONS FROM PLATFORM 4 AND DOWN SIDE FORMATION AT CIRCA 60m CENTRES CONNECTION TO SWALE WITH 360CUM STORAGE.
PROPOSED ATTENUATION POND
SECTION A
Dwg No. 140009
900x900mm DRAINAGE INTERCEPTOR
6 FOOT TRACK DRAINAGE PROPOSED BETWEEN THE PLATFORMS
HEADWALL
6390
PROPOSED PLATFORM COPER EDGE
30000
PROPOSED HV CABLE ROUTE
150mm DIA. CARRIER PIPE AS HYDRO BRAKE TO OUT FALL INTO NORTH DITCH
ACO DRAINAGE CHANNEL TO REAR OF THE PLATFORM WITH ASSOCIATED CARRIER DRAIN
PASSENGER HELP POINT
IL=12.1
DOWN LOOP
DOWN MAIN
UP MAIN
UP LOOP
PLATFORM 4
IL=14.3
PROPOSED CAMBRIDGE SOUTH STATION
PLATFORM 2/3
PASSENGER HELP POINT
IL=14.0
PLATFORM 1
IL=13.7
IL=12.3
DRAINAGE CHANNEL FOUND 1750mm FROM LOOP LINE
1275x735mm DRAINAGE INTERCEPTORS FOUND AT 30m c/c ALONG DRAIANGE CHANNEL
IL=14.71 AT END OF PLATFORM (WHICH WATERSHED TO STAY HIGH OF GAS MAIN)
ACO DRAINAGE CHANNEL LOCATED IN THE ISLAND PLATFORM AT 2.5m FROM THE PLATFORM EDGE FOR BOTH PLATFORMS 2 & 3
SECTION A
Dwg No. 140009
6 FOOT TRACK DRAINAGE PROPOSED BETWEEN THE PLATFORMS
PROPOSED PLATFORM COPER EDGE
ACO DRAINAGE CHANNEL TO REAR OF THE PLATFORM WITH ASSOCIATED CARRIER DRAIN
HEADWALL
3000x2000mm CHAMBER ONTO 1200mm DIA. DRAINAGE OUTFALL
900mm DIA. PIPE
EMBEDDED RETAINING TO BE DETAILED TO AVOID 1200mm DIA. DRAINAGE OUTFALL
EXISTING SWALE
PROPOSED RETAINING WALL
1800 DIA. CHAMBER CONNECTION TO NORTH ATTENUATION OUTFALL
IL=12.5
IL=12.6
IL=12.35
IL=13.5
IL=12.36
PROPOSED BOUNDARY LINE
INSPECTION CHAMBER
SINGLE TANK 40m LONG x 7.5m WIDE OR 30m LONG x 10m WIDE ON THE SOUTH SIDE (SO PLENTY OF OPTIONS) GIVING 675CUM STORAGE
2x1.5m HIGH INTERNAL (ALLOW 350mm WALLS)
IL=13.3
SECTION B
Dwg No. 140009
IL=12.44
6x3m ACCESS CHAMBER
GABION BASKETS
SECTION B
Dwg No. 140009
25m LONG x 17.5m WIDE. TO PROVIDE APPROXIMATELY 300CUM
GUIDED BUSES ONLY
86440 86450 86460 86470 86480 86490 86500 86510 86520 86530 86540 86550 86560 86570 86580 86590 86600 86610 86620 86630 86640 86650 86660 86670 86680 86690 86700 86710 86720 86730 86740 86750 86760 86770 86780 86790 86800 … 87260 87270 87280 87290 87300 87310 87320 87330 87340 87350 87360 87370 87380 87390 87400 87410 87420 87430 87440 87450

PROPOSED STATION DRAINAGE PLAN - GENERAL ARRANGEMENT

SCALE 1:500

0 10 20 30 40 50m
SCALE 1:500

0 50 100 150 200 250m
SCALE 1:2500

HAZARD SUMMARY TABLE

⚠ SIGNIFICANT DESIGNER'S IDENTIFIED HAZARDS | LIFE SAVING RULES

FOR MORE DETAILED INFORMATION ON THE HIGHLIGHTED HAZARDS, REFER TO DESIGNER'S RISK ASSESSMENT FOR THIS PROJECT

'EVERYDAY' LOW RISK HAZARDS AND THOSE HAZARDS WHICH SHOULD BE OBVIOUS TO A COMPETENT CONTRACTOR HAVE NOT BEEN INDICATED ON THIS DRAWING

SHOULD ANY ADDITIONAL HAZARDS BE IDENTIFIED DURING THE COURSE OF THE WORKS, THE CONTRACTOR SHALL NOTIFY ALL RELEVANT MEMBERS OF THE PROJECT TEAM

DRUGS / ALCOHOL
TRAINING & COMPETENCY
NO MOBILE PHONES
CORRECT EQUIPMENT
OBEY DRIVING RULES
EARTHING
EXCLUSION ZONE
PLANS AND PERMITS
SAFETY HARNESS AT HEIGHT
ISOLATION

A!	WOKING CLOSE TO HP GAS MAIN	☑

- FOR MORE DETAILED INFORMATION PLEASE REFER TO THE DESIGNERS H&S RISK ASSESSMENT

Legend/Notes

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES (mm) u.n.o.
2. ALL LEVELS ARE IN METRES (m) u.n.o.
3. THIS DRAWING HAS BEEN PRODUCED BASED ON THE TOPOGRAPHICAL SURVEY CONDUCTED BY PBH SURVEYS IN MARCH 2020, AND INFORMATION PROVIDED BY OTHERS.
4. ISSUE FOR INFORMATION. WIP SHARE STATUS ONLY.

LEGEND

━	EXISTING WORK
🟥	PROPOSED WORK
🟩	EXISTING TO BE REMOVED
🟦	EXISTING TO BE MODIFIED

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
P01	07/08/20	Issued for IDC	RN	TT	CD
P02	09/10/20	ISSUED FOR GRIP 3 SUBMISSION	MH	TT	CJ

Status
Suitable for Review & Comment
Suitability
S3

NetworkRail

Authorised	A.BARNES	Signed AB	Date 09/10/20

Contractor(s)
Arcadis Consulting (UK) Ltd

Location\Level: All Levels
Type: CAD Drawing
Sub-type:
Role: Engineering
Discipline: Civils
Volume\System: All Levels
Phasing: Proposed
Grip Stage: 3

Project
Cambridge South Infra. Enh.

Contract No.

Contract Title

Drawing Title
GRIP 3 CAMBRIDGE SOUTH STATION,
PROPOSED STATION DRAINAGE PLAN

Designed	T.TALETI	Signed	Date 09/10/20
Drawn	M.HILL	Signed	Date 09/10/20
Checked	T.TALETI	Signed TT	Date 09/10/20
Approved	C.JANIK	Signed CJ	Date 09/10/20

Scale(s): As Shown
ELR & Mileage: BGK to
Alternative Reference
Sheet: 1 of 1
Drawing Number: 158454-ARC-02-ZZ-DRG-ECV-140012
Revision: P02

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