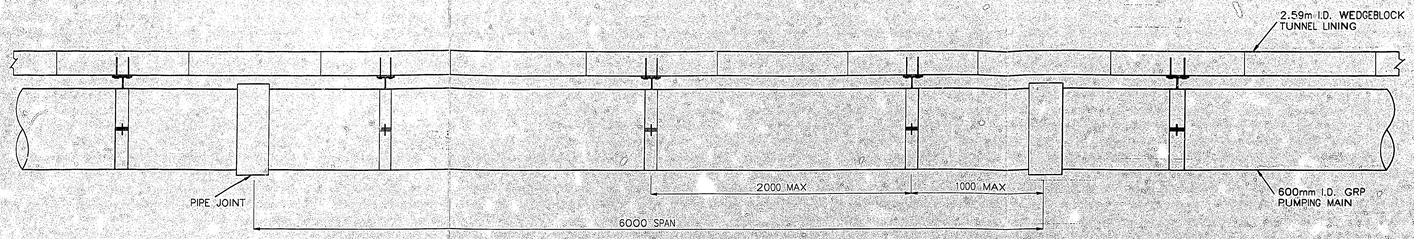
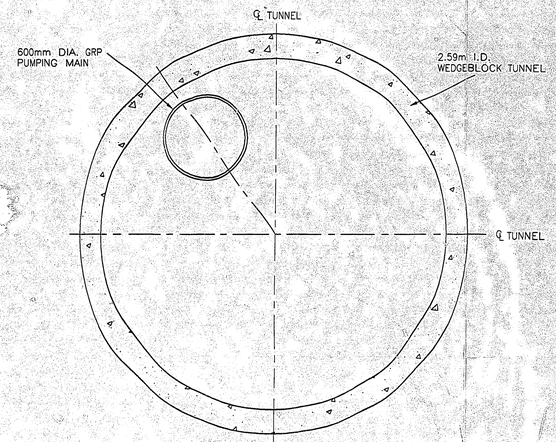


PUMPING MAIN SUPPORT ARRANGEMENT

(SCALE 1:20)

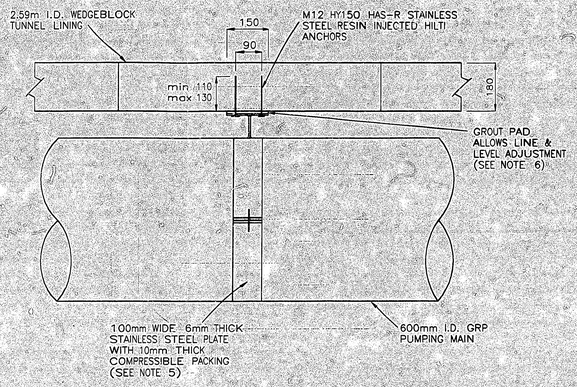
NOTES

1. ALL DIMENSIONS IN MILLIMETRES UNLESS OTHERWISE STATED.
2. ALL METALWORK GRADE 316 STAINLESS STEEL TO BS 970 PART 1.
3. ALL FIXINGS STAINLESS STEEL.
4. FIXINGS TO SHAFT TUNNEL LINING A MINIMUM OF 140mm FROM ANY JOINT.
5. COMPRESSIBLE PACKING IS EPDM RUBBER WITH A SHORE HARDNESS OF 60–70.
6. PROTON QUICK SET NON–SHRINK CEMENTITIOUS GROUT WITH MAXIMUM THICKNESS 20mm USED.
7. BRACKETS LOCATED EVERY 2.0m (i.e. EVERY OTHER RING).
8. ALL WELDS 6mm STITCH FILLET WELDS.



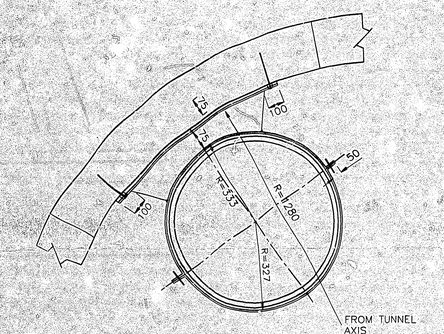
TYPICAL SECTION

(SCALE 1:20)



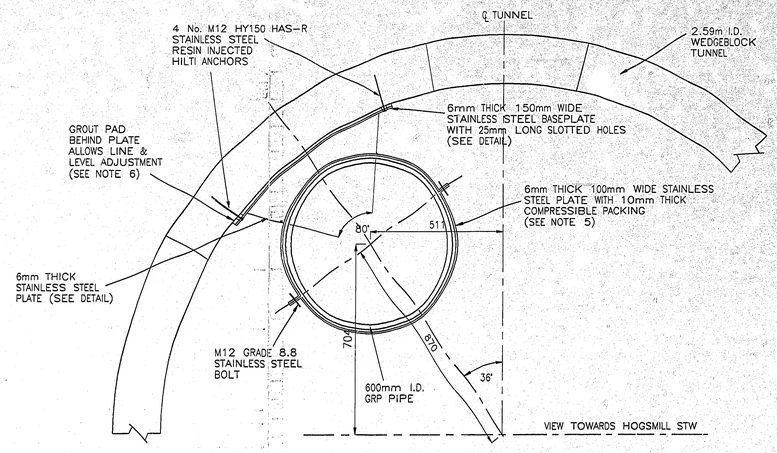
DETAIL OF PLATE CONNECTION

(SCALE 1:10)



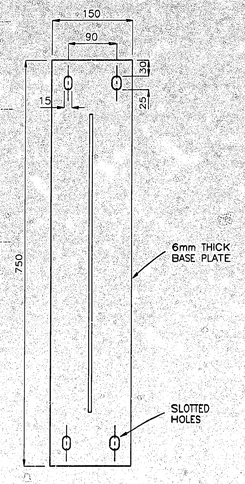
DETAILS OF BRACKET

(SCALE 1:10)



DETAIL OF PUMPING MAIN SUPPORT

(SCALE 1:10)



DEVELOPED PLAN ON BASE PLATE

(SCALE 1:5)

5022/A2/20140/EX (D)

00411388.00 0057896

AS BUILT

Issue	Description	Designed By	Drawn By	Chkd	Appd.	Date
D	TITLE BLOCK CHANGED.	D.M.G.	S.P.W.			30/3/99
C	AS BUILT ISSUE	D.M.G.	S..S	D.M.G.	D.A.H.	25/11/98
B	DIMENSIONS TO CENTRE OF PUMPING MAIN ADDED	D.MG.	D.M.G.	D.M.G.	D.A.H.	2/4/98
A	PUMPING MAIN LOCATION CHANGED, BENCHING DELETED, NOTES AMENDED, BRACKET DETAILS ADDED.	D.MG.	S.P.W.	D.MG.	P.H.	17/3/98
0	FIRST ISSUE	D.MG.	S.P.W.	D.MG.	C.J.S.	1/12/97

DONALDSON ASSOCIATES LTD
Consulting Engineers
Eastfield, Church St.
Uttoxeter, Staffs.
ST14 8AB
Tel: 01889 563680
Fax: 01889 562586

AMEY
AMEY Construction Limited
Sutton Courtenay
Abingdon
Oxon
OX14 4PP

Thames Water Utilities
ENGINEERING
Dr S.C.A. Walker C.Eng.
Engineering Director
Gainsborough House
Manor Farm Road
Reading RG2 0JH

Location Code:	TQ2166NW	Drawn By: S.S.	Designed By: D.M.G.
Asset / Works Name:	Worcester Park to Hogsmill Sewer	Project Group:	
Area / Location:	Royal Borough of Kingston upon Thames	Scale:	AS SHOWN
Project Name:	HOGSMILL STW IMPROVEMENT	Security Ref:	
Contract Name:	TUNNEL CONTRACT	Plot Time:	
		Sheet Size:	A1
Title:	TYPICAL TUNNEL CROSS SECTION	Drawing No:	5022/A2/20140/EX
		Rev:	D