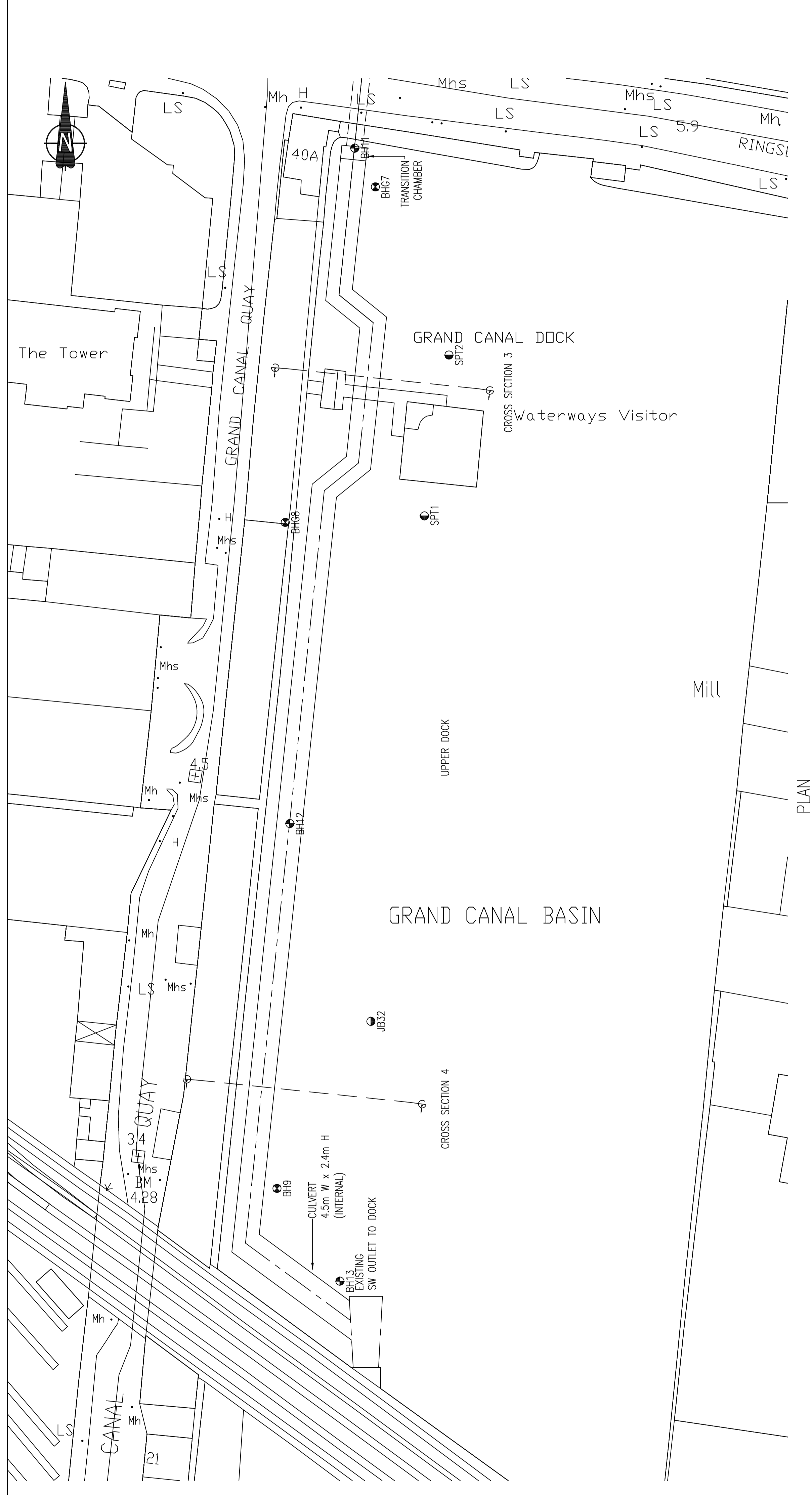
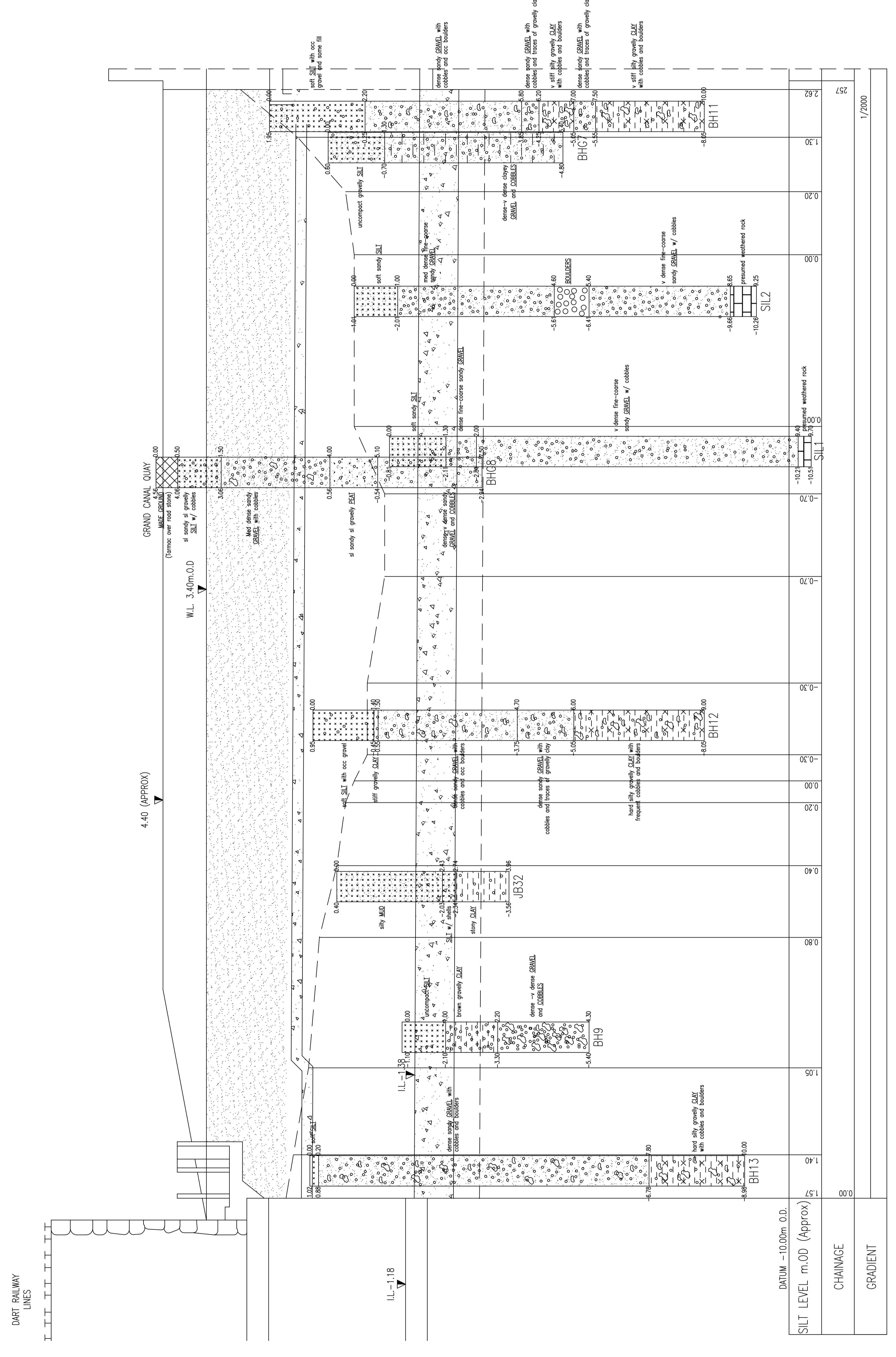


NOTES

Cross sections shown on dwg titled : Grand Canal Dock - Upper Dock Cross Sections



PLAN Scale 1:500



GEOLOGICAL PROFILE Horiz Scale 1:500 Vert Scale 1:50

- KEY
- Geotech Specialists Ltd 2002
 - IGSL 1996
 - Site Investigations Ltd 1991
 - J.B Barry and Partners From Dwg No. 91113/P4

revisions	int.	date	rev.

BARRY & PARTNERS
CONSULTING ENGINEERS

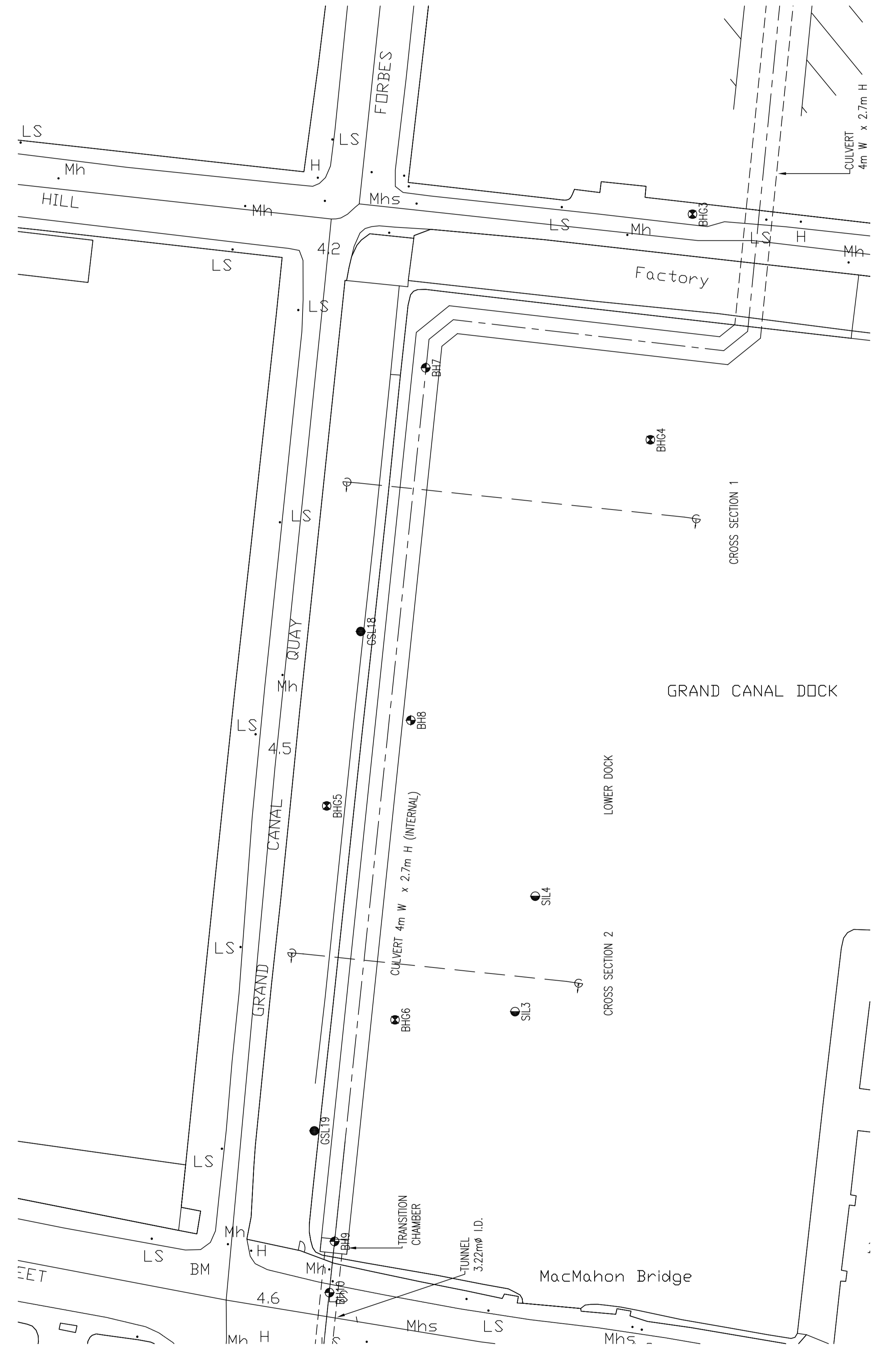
J. B. Barry & Partners Limited Phone: +353-1-497 5716
Fax: +353-1-497 5888
Tralee Road, 32 Dorryda, Dublin 6, Ireland E-mail: conrad@barry.ie

Malcolm Gray Ltd
The Offices 25, West Street, Dublin 6, Ireland
Tel: +353-1-497 5716 Fax: +353-1-497 5888
www.malcolmgray.com

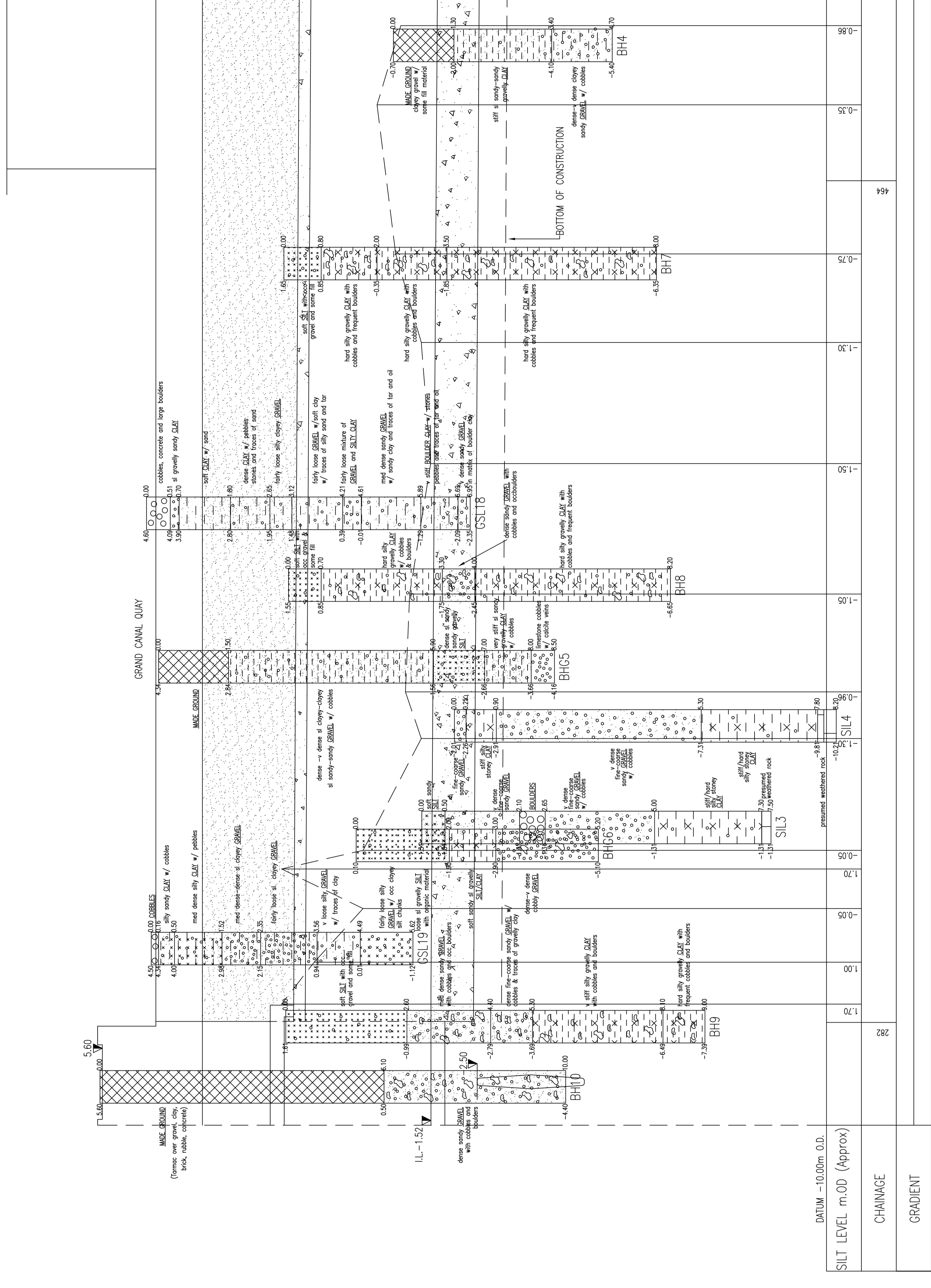


client	DUBLIN CITY COUNCIL
project	GRAND CANAL DOCK STORM WATER OUTFALL
title	PLAN AND GEOLOGICAL PROFILE (sheet 1 of 4)
drawn by	R. GREER
checked by	M. PHILLIPSON
scale	AS SHOWN
date	FEB 2002
stage	PLANNING
eng. no.	TO/GCSC/GE0/02

NOTES
 Cross sections shown on dwg
 titled : Grand Canal Dock -
 Lower Dock Cross Sections



PLAN
 Scale 1:500



GEOLOGICAL PROFILE
 Horiz Scale 1:500
 Vert Scale 1:50

- KEY
- Geotech Specialists Ltd 2002
 - IGSL 1996
 - Site Investigations Ltd 1991
 - J.B Barry and Partners From Dwg No. 91113/P4
 - Geotechnical Services Ltd 1989

revisions	incl.	date	rev.

BARRY & PARTNERS
 CONSULTING ENGINEERS

J. B. Barry & Partners, Limited
 Tramway House, 32 Barry Rd.
 Dublin 6, Ireland
 Phone: +353-1-492 2116
 Fax: +353-1-492 2886
 E-mail: enquiries@barry.ie

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client	DUBLIN CITY COUNCIL
project	GRAND CANAL DOCK STORM WATER OUTFALL
title	PLAN AND GEOLOGICAL PROFILE (sheet 2 of 4)
drawn by	R. GREER
checked by	M. PHILLIPSON
scale	AS SHOWN
date	JUNE 2002
stage	PLANNING
ref.	TD/GCSC/GE0/03

NOTES
 Figured dimensions only to be taken from this drawing.
 All dimensions to be checked on site.

KEY
 Geotech Specialists Ltd
 2002
 IGSL 1996
 IGSL 1999
 Geotech Specialists Ltd

NO.	DATE	BY	CHKD	REV.
2002	22.07.02	C		REVISIONS REVISED
2002	26.06.02	B		2002 BOREHOLES ADDED
19.02.02	19.02.02	A		INITIAL ISSUE FOR TENDER

BARRY & PARTNERS
 CONSULTANTS
 2, B. Barry, & Partners Limited
 25, South Circular Road,
 Dublin 6, Ireland
 Phone: 01-452-1515
 Fax: 01-452-1517
 E-mail: admin@barry.ie

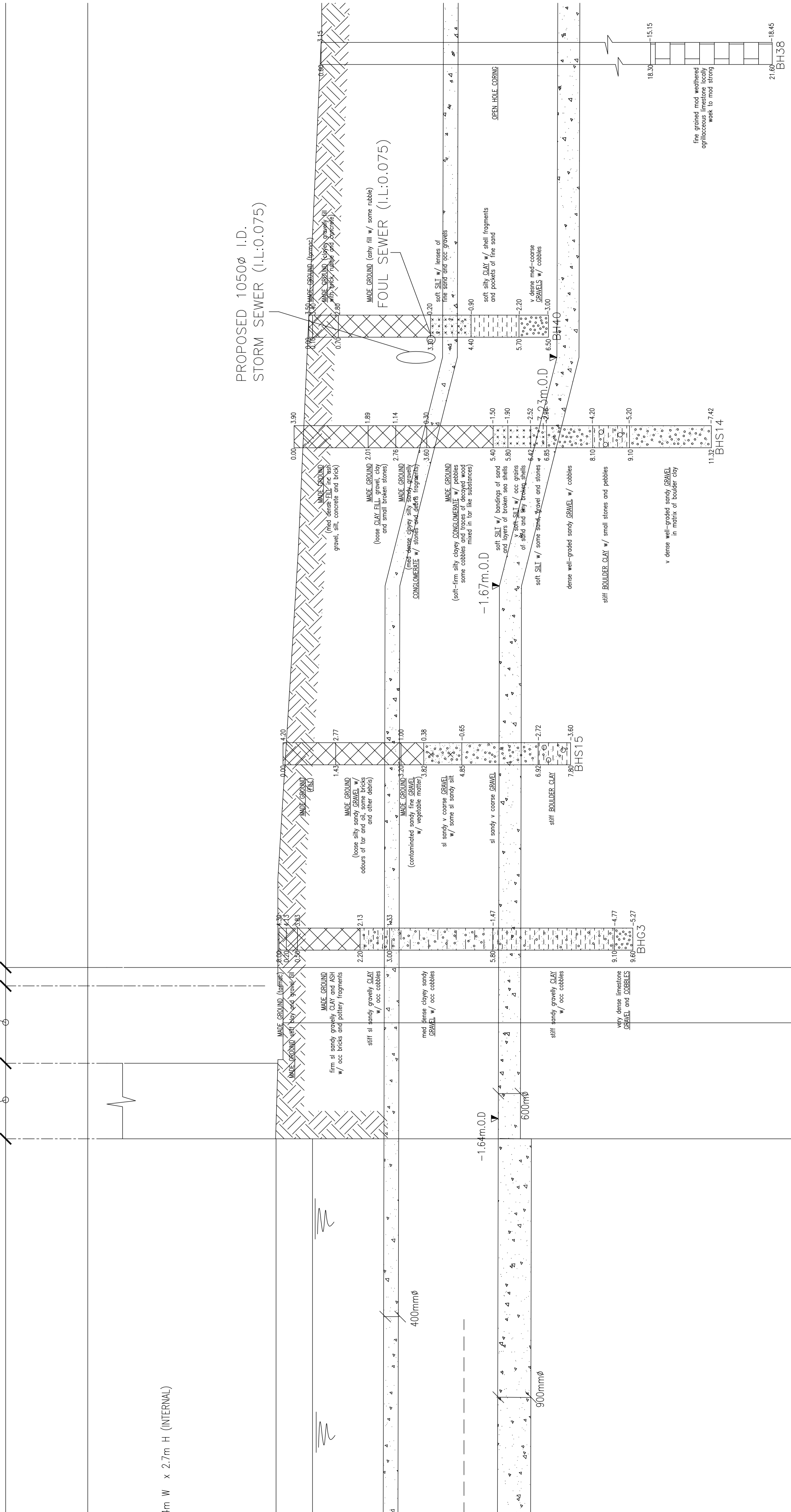
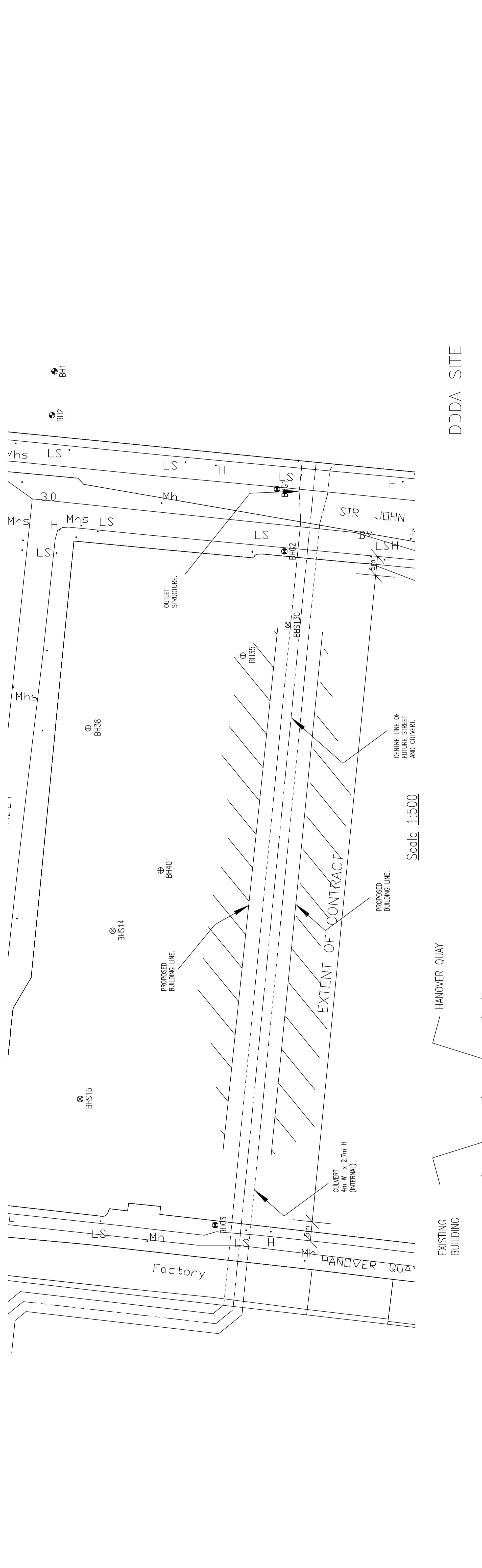
client: DUBLIN CITY COUNCIL

project: GRAND CANAL DOCK
 STORM WATER OUTFALL

title: PLAN AND GEOLOGICAL PROFILE
 (Sheet 3 of 4)

drawn by: R. GREER
 checked: M. PHILLIPSON
 scale: AS SHOWN
 date: JUNE 2002

stage: PLANNING
 rev. no.:
 rev.:



CHAINAGE	G. LEVEL m.O.D.(Approx)	EXISTING G. LEVEL m.O.D.(Approx)	DATUM -10.00m O.D.
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531	4.20	4.34	1/2000
580	3.79	6.11	1/2000
611	3.15		1/2000

GEOLOGICAL PROFILE
 Horiz Scale 1:250
 Vert Scale 1:50

NOTES

Figured dimensions only to be taken from this drawing.
All dimensions to be checked on site.

KEY
 Geotech Specialists Ltd
 2002
 ICSL 1996
 Parkman 1999

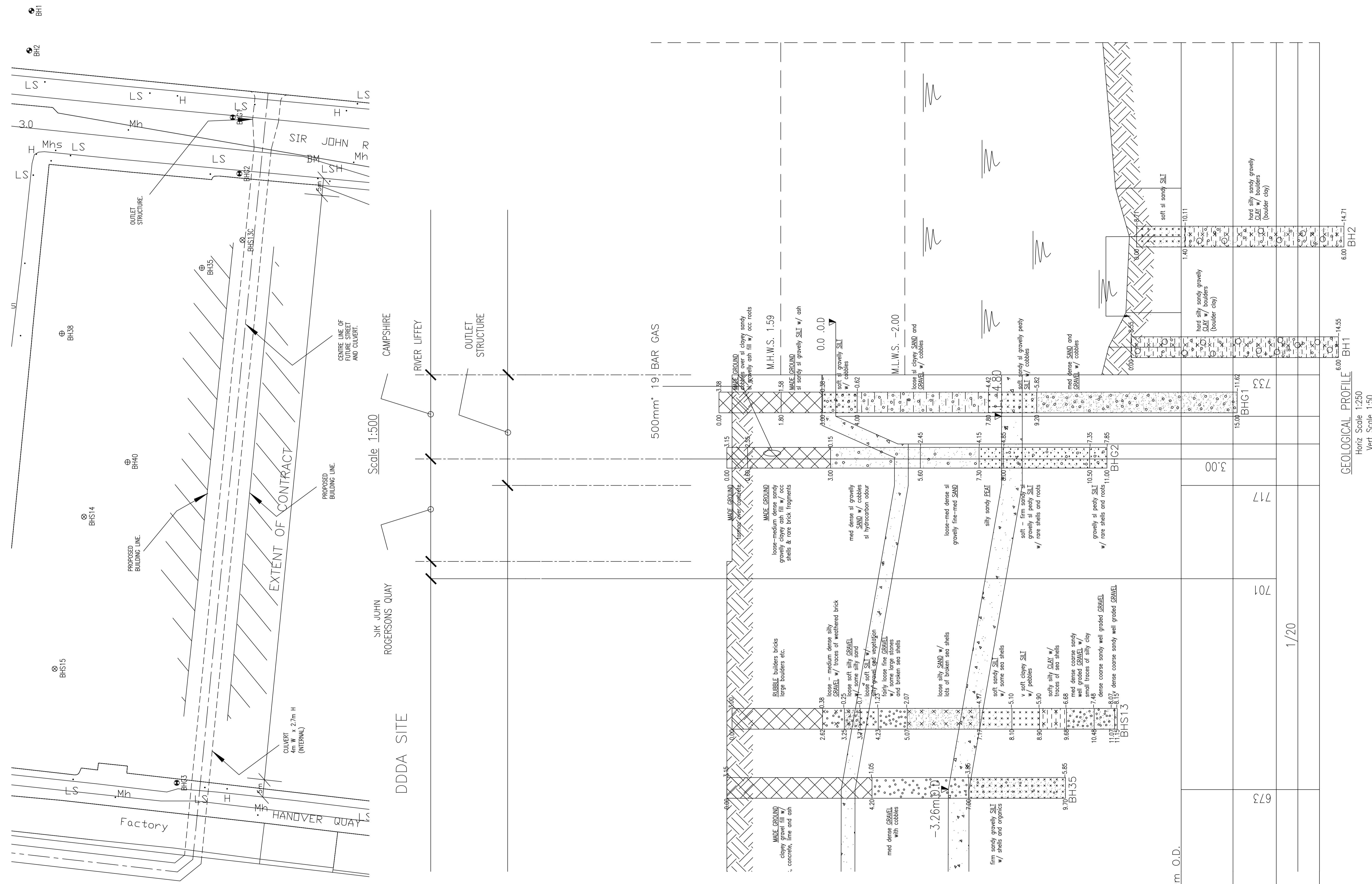
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BORHOLES REVISION	RG	22.07.02	C
2002 BORHOLES ADDED	RG	26.06.02	B
INITIAL ISSUE FOR TENDER	RK	19.02.02	A

BARRY & PARTNERS
 CONSULTING ENGINEERS
 J. B. Barry & Partners, Limited
 Tramway House, 33, Barry Rd.
 Dublin 6, Ireland
 Phone: +353-1-492 2716
 Fax: +353-1-492 2686
 E-mail: enquiry@barry.ie

Walter Cannon Ltd
 No. 100, 102, 104, 106, 108, 110, 112, 114, 116, 118, 120, 122, 124, 126, 128, 130, 132, 134, 136, 138, 140, 142, 144, 146, 148, 150, 152, 154, 156, 158, 160, 162, 164, 166, 168, 170, 172, 174, 176, 178, 180, 182, 184, 186, 188, 190, 192, 194, 196, 198, 200, 202, 204, 206, 208, 210, 212, 214, 216, 218, 220, 222, 224, 226, 228, 230, 232, 234, 236, 238, 240, 242, 244, 246, 248, 250, 252, 254, 256, 258, 260, 262, 264, 266, 268, 270, 272, 274, 276, 278, 280, 282, 284, 286, 288, 290, 292, 294, 296, 298, 300, 302, 304, 306, 308, 310, 312, 314, 316, 318, 320, 322, 324, 326, 328, 330, 332, 334, 336, 338, 340, 342, 344, 346, 348, 350, 352, 354, 356, 358, 360, 362, 364, 366, 368, 370, 372, 374, 376, 378, 380, 382, 384, 386, 388, 390, 392, 394, 396, 398, 400, 402, 404, 406, 408, 410, 412, 414, 416, 418, 420, 422, 424, 426, 428, 430, 432, 434, 436, 438, 440, 442, 444, 446, 448, 450, 452, 454, 456, 458, 460, 462, 464, 466, 468, 470, 472, 474, 476, 478, 480, 482, 484, 486, 488, 490, 492, 494, 496, 498, 500, 502, 504, 506, 508, 510, 512, 514, 516, 518, 520, 522, 524, 526, 528, 530, 532, 534, 536, 538, 540, 542, 544, 546, 548, 550, 552, 554, 556, 558, 560, 562, 564, 566, 568, 570, 572, 574, 576, 578, 580, 582, 584, 586, 588, 590, 592, 594, 596, 598, 600, 602, 604, 606, 608, 610, 612, 614, 616, 618, 620, 622, 624, 626, 628, 630, 632, 634, 636, 638, 640, 642, 644, 646, 648, 650, 652, 654, 656, 658, 660, 662, 664, 666, 668, 670, 672, 674, 676, 678, 680, 682, 684, 686, 688, 690, 692, 694, 696, 698, 700, 702, 704, 706, 708, 710, 712, 714, 716, 718, 720, 722, 724, 726, 728, 730, 732, 734, 736, 738, 740, 742, 744, 746, 748, 750, 752, 754, 756, 758, 760, 762, 764, 766, 768, 770, 772, 774, 776, 778, 780, 782, 784, 786, 788, 790, 792, 794, 796, 798, 800, 802, 804, 806, 808, 810, 812, 814, 816, 818, 820, 822, 824, 826, 828, 830, 832, 834, 836, 838, 840, 842, 844, 846, 848, 850, 852, 854, 856, 858, 860, 862, 864, 866, 868, 870, 872, 874, 876, 878, 880, 882, 884, 886, 888, 890, 892, 894, 896, 898, 900, 902, 904, 906, 908, 910, 912, 914, 916, 918, 920, 922, 924, 926, 928, 930, 932, 934, 936, 938, 940, 942, 944, 946, 948, 950, 952, 954, 956, 958, 960, 962, 964, 966, 968, 970, 972, 974, 976, 978, 980, 982, 984, 986, 988, 990, 992, 994, 996, 998, 1000

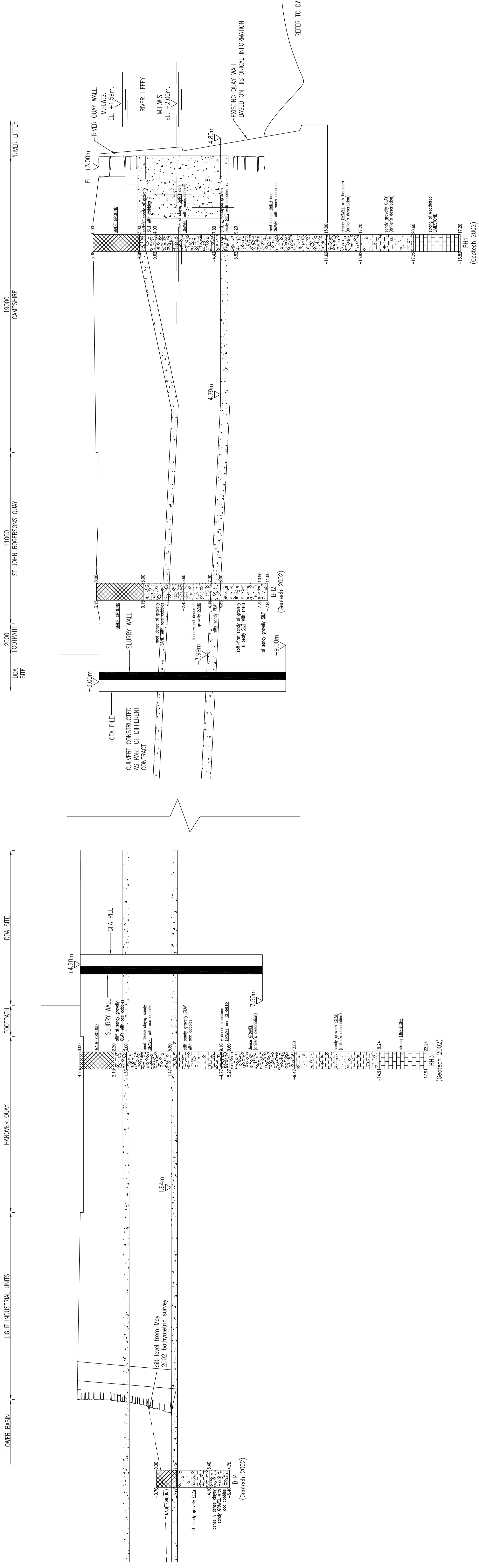
Halcrow

client	DUBLIN CITY COUNCIL
project	GRAND CANAL DOCK STORM WATER OUTFALL
title	PLAN AND GEOLOGICAL PROFILE (sheet 4 of 4)
drawn by	R. GREER
checked by	M. PHILLIPSON
scale	AS SHOWN
date	JUNE 2002
drawn no.	
stage	PLANNING
TO/CCSC/GE0/05	



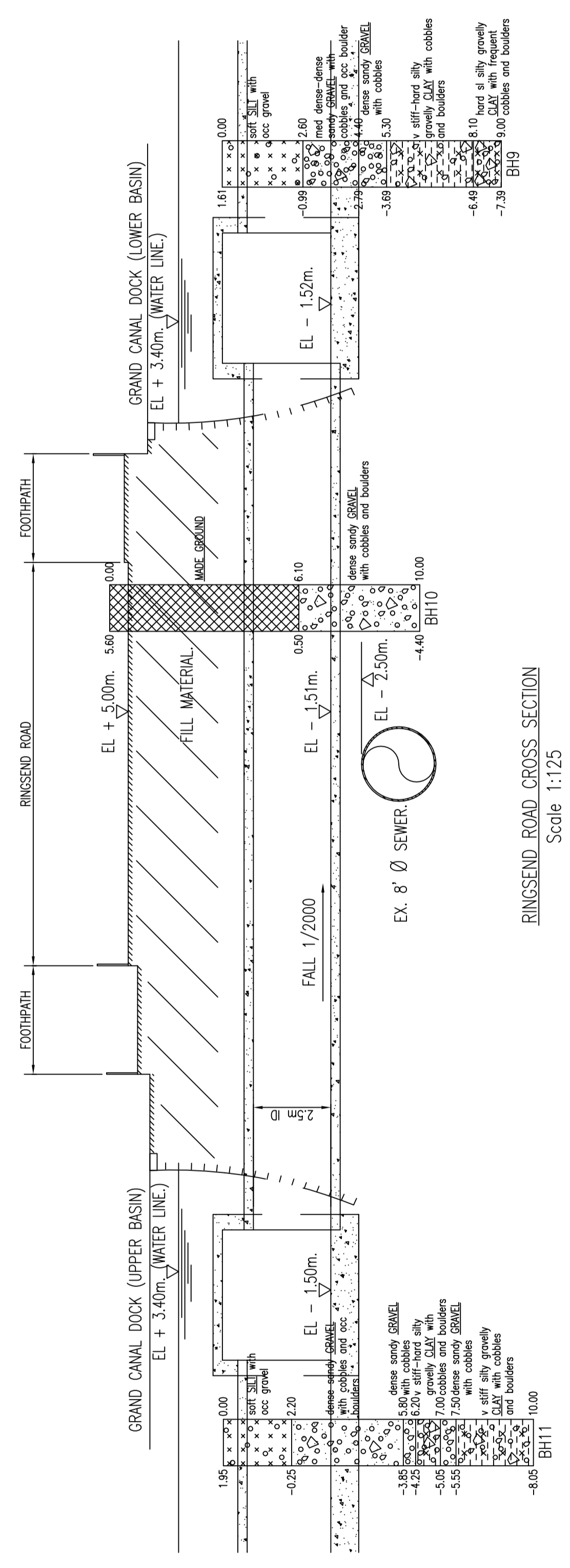
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EXISTING G. LEVEL	
m.O.D.(Approx)	
CHAINAGE	673 701 717 733
GRADIENT	1/20

Geological Profile
 Horiz Scale 1:250
 Vert Scale 1:50



HANOVER QUAY CROSS SECTION
Scale 1:100

ST JOHN ROGERSON QUAY
OUTLET STRUCTURE CROSS SECTION
Scale 1:100



RINGSEND ROAD CROSS SECTION
Scale 1:125

revisions	int.	date	rev.

BARRY & PARTNERS
CONSULTING ENGINEERS
4, B. Barry & Partners Limited
Tramway House, 32 Derry Rd.
Dublin 6, Ireland
Phone: +353-1-497 5216
Fax: +353-1-497 5888
E-mail: admin@barry.ie

Halcrow
100, Victoria Road, Dublin 6
Tel: +353-1-497 5888
Fax: +353-1-497 5888
E-mail: admin@halcrow.ie

client	DUBLIN CITY COUNCIL
Project	GRAND CANAL DOCK STORM WATER OUTFALL
title	RINGSEND RD HANOVER QUAY/ST JOHN ROGERSON QUAY CROSS SECTIONS
drawn by	M FREW
checked	
scale	AS SHOWN
date	
stage	PLANNING
proj.no.	TQ05C6006
rev.	