

HAZARD WARNING:

CONTRACTOR TO BE AWARE THAT THE SITE IS CROSSED WITH EXISTING UTILITIES INCLUDING:

- ELECTRICITY
- GAS
- WATER SUPPLY
- FOUL, SURFACE AND COMBINED DRAINAGE
- TELECOMMUNICATIONS

REFER TO CONSTRAINTS DRAWING NO. C001 FOR ROUTES

STANDARD HIGHWAYS DETAILS NOTES:

- ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
- THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT BH DRAWINGS.
- FOR GUIDANCE, ALL CLAUSE NUMBERS RELATE TO THE SPECIFICATION FOR HIGHWAY WORKS.
- PREPARATION AND TREATMENT OF FORMATION TO CLAUSE 616. MADE GROUND TO BE REMOVED DOWN TO VIRGIN GROUND, OR AS DIRECTED BY THE ENGINEER, SUBJECT TO HIGHWAY INSPECTORS APPROVAL. EXCAVATED MATERIAL MAY BE RE-USED AS FILL BACK UP TO FORMATION LEVEL PROVIDED IT MEETS THE SPECIFICATION FOR 6F2. RE-USED EXCAVATED MATERIAL TO BE COMPACTED IN LAYERS WITH A VIBRATORY ROLLER COMPLYING WITH METHOD 2 OF TABLE 6/4 OF SPECIFICATION FOR HIGHWAY WORKS. COMPACTION WORKS TO BE CARRIED OUT IN DRY WEATHER CONDITIONS. SIMILAR TREATMENT REQUIRED IN DRAINAGE TRENCHES. CONTAMINATED MATERIAL TO BE REMOVED TO A LICENSED TIP.
- GENERAL REQUIREMENTS FOR ROAD PAVEMENTS SHALL BE IN ACCORDANCE WITH CLAUSES 701 TO 707 INCLUSIVE.
- ALL BITUMEN MACADAM SHALL BE IN ACCORDANCE WITH B.S.594987.
- ALL BITUMINOUS BOUND MATERIALS SHALL BE TRANSPORTED, LAID AND COMPACTED IN ACCORDANCE WITH CL. 901.
- GRANULAR TYPE 1 SUB BASE SHALL BE IN ACCORDANCE WITH CL. 803.
- LAYING AND COMPACTION OF SUB BASE SHALL BE IN ACCORDANCE WITH CL. 802.
- BASE SHALL BE DENSE MACADAM IN ACCORDANCE WITH CL. 903.
- BINDER COURSE SHALL BE DENSE BITUMEN MACADAM IN ACCORDANCE WITH CL.906.
- SURFACE COURSE SHALL BE STONE MASTIC ASPHALT.
- LIMESTONE AGGREGATE IS NOT PERMITTED IN THE SURFACE COURSE.
- ALL CONCRETE IN BACKING TO KERBS, CHANNELS AND EDGINGS SHALL BE GRADE ST4.
- INSITU AND PRECAST CONCRETE UNITS SHALL HAVE SULPHATE RESISTING PORTLAND CEMENT TO BS 4027, UNLESS AGREED OTHERWISE WITH THE ADOPTING AUTHORITY.
- PRECAST CONCRETE PRODUCTS SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS 5911:2010, BS EN 1916:2009, AND BS EN 1917:2008 AND BE KITEMARKED.
- POSITION SIZE AND DEPTH OF ALL EXISTING SEWERS AND SERVICES SHALL BE ESTABLISHED PRIOR TO COMMENCEMENT ON SITE AND ANY DISCREPANCIES REPORTED TO BH.
- THE CONTRACTOR SHALL ALLOW FOR THE PROTECTION, TEMPORARY AND PERMANENT SUPPORT, AND TEMPORARY AND PERMANENT DIVERSION WORKS, AS NECESSARY TO ALL EXISTING SERVICES.
- THE CONTRACTOR SHALL ALLOW FOR ALL TRAFFIC MANAGEMENT IN CONNECTION WITH ROAD AND SEWER WORKS.
- THE CONTRACTOR SHALL ALLOW FOR KEEPING SEWER TRENCHES AND EXCAVATIONS AS DRY AS PRACTICABLE BY PUMPING FROM TEMPORARY SUMPS AND DEWATERING AS APPROPRIATE. THE POINT AND METHOD OF DISCHARGE TO BE AGREED WITH THE DRAINAGE AUTHORITY AND ENVIRONMENT AGENCY.
- GULLY GRATES AND FRAMES SHALL COMPLY WITH THE RELEVANT PROVISIONS OF BS EN124 AND BE OF A NON-ROCKING DESIGN WITH LEFT HANDED CAPTIVE HINGE ACCESS AND BE KITEMARKED. LOAD CLASS D400.
- CLASS Z BEDDING DETAIL SHALL BE PROVIDED WHERE COVER TO THE PIPE BARREL IS LESS THAN 1.2M IN VEHICULAR TRAFFICKED AREAS AND 0.9M ELSEWHERE. TO ALL ROAD GULLY CONNECTIONS AND WITHIN AREAS OF DEEP ROOTING VEGETATION.
- SHOULD THERE BE ANY CONFLICT BETWEEN INFORMATION ON THIS DRAWING AND THE HIGHWAY AUTHORITY'S RECOMMENDATION AND SPECIFICATION, THE AUTHORITY'S REQUIREMENTS TAKE PRECEDENCE. THE CONTRACTOR MUST LIAISE CLOSELY WITH THE AUTHORITY WITH RESPECT TO ANY TESTING, APPROVALS, INSPECTIONS, PERMISSIONS OR LICENCES REQUIRED AS WORK PROGRESSES.
- UNSEALED AND LOOSE MATERIAL, SUCH AS CRUSHED STONE, GRAVEL AND PEBBLES, SHALL NOT BE USED ADJACENT TO THE HIGHWAY.
- PRE-CAST CONCRETE KERBS, CHANNELS AND EDGINGS SHALL BE TO BS EN 1340:2003 AND SHALL BE LAID TRUE TO LINE AND LEVEL.
- CBR VALUES ARE TO BE VERIFIED BY IN SITU TESTING AT A MAXIMUM INTERVAL OF 50M AND AT ANY VISIBLE CHANGE OF SUBGRADE.

© Buro Happold Limited or its group companies. All Rights reserved. Buro Happold and its group companies assert (unless otherwise agreed in writing) their rights under s.17(2) of the Copyright, Designs and Patents Act 1988.

HEALTH AND SAFETY INFORMATION

IN ADDITION TO THE HAZARDS/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING CONSTRUCTION:

- WORKS ADJACENT TO LIVE TRAFFIC
- WORKS IN VICINITY OF LIVE SERVICES

MAINTENANCE/CLEANING/OPERATION:

- WORKS ADJACENT TO LIVE TRAFFIC
- WORKS IN VICINITY OF LIVE SERVICES

DECOMMISSIONING/DEMOLITION:

- WORKS ADJACENT TO LIVE TRAFFIC
- WORKS IN VICINITY OF LIVE SERVICES

Notes

GENERAL NOTES:

- THIS DRAWING HAS BEEN BASED ON THE FOLLOWING DRAWINGS AND INFORMATION:
 - TOPOGRAPHICAL SURVEY: DRAWING No. 2374CT/1 DATED JULY 2012, BY CT SURVEY
 - ARCHITECT DRAWINGS: "PROPOSED SITE PLAN" DRAWING No. SK100 REV A, BY CHETWOODS ARCHITECTS
 - UTILITIES SURVEY INFORMATION: BY COLAS LIMITED (LEEDS CIVILS)
 - ORDINANCE SURVEY TILES
- THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS, DETAILS AND SPECIFICATIONS.
- ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY SAFETY PRECAUTIONS IN LINE WITH CURRENT LEGISLATION WHEN WORKING IN/NEAR CONFINED SPACES, DEEP EXCAVATIONS AND UTILITIES.

SUBJECT TO THE APPROVAL OF THE HIGHWAYS AUTHORITY

E	Planning Issue Updated: Incorporating 10.10.14 P.J.L Leeds City Council comments.	P.J.L	P.J.L
D	Planning Issue Updated: Additional 08.09.14 P.J.L Trief Kerb and hand railing.	P.J.L	P.J.L
C	Planning Issue Updated	11.07.14	MB P.J.L
B	Planning Planning Issue	11.06.14	P.J.L P.J.L
A	Planning Issue	15.05.14	P.J.L P.J.L
Rev	Description	Date	Dm Chd

PLANNING

Status of drawing

2 Brewery Place
Brewery Wharf
Leeds LS10 1NE
UK

Tel: +44 (0)113 204 2200
Fax: +44 (0)870 787 4144
Email: 032543@burohappold.com
Web: www.burohappold.com

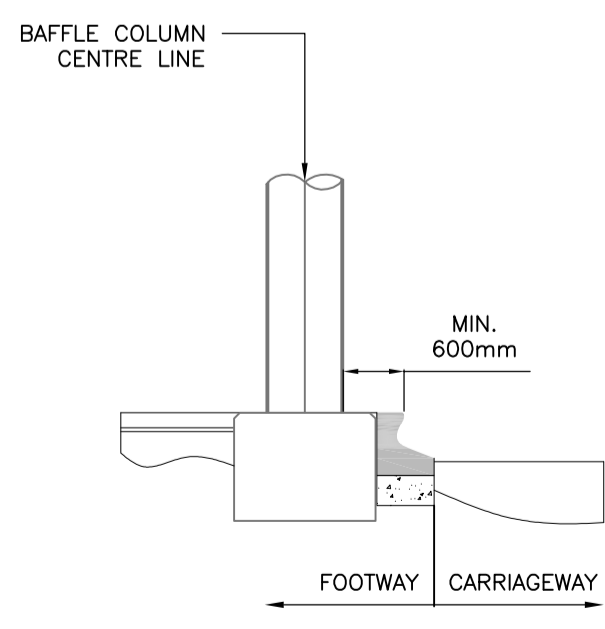
Buro Happold
Consulting Engineers

Architect **CHETWOODS ARCHITECTS**
Project **BRIDGEWATER PLACE**
Dwg Title **Civils Infrastructure Proposed Highways General Arrangement**

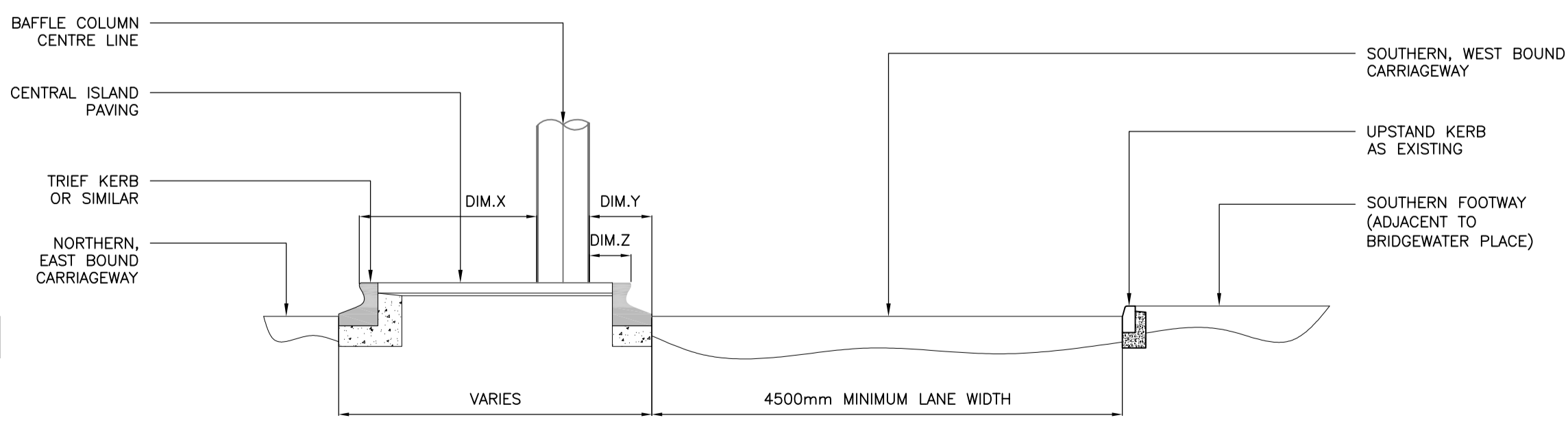
Scale: A1 1 in 200	Job No. 032543
Drawn by P.J.L	Drawing No. C200
Checked by P.J.L	Rev E
Date May 2014	

LEGEND:

- PROPOSED TRIEF KERB OR SIMILAR (LINE OF TOE)
- PROPOSED TRIEF KERB OR SIMILAR
- PROPOSED KERB ALIGNMENT (TYPE AS EXISTING)
- PROPOSED DROP KERB ALIGNMENT (TYPE AS EXISTING)
- DWG: ToS8
- EXTENT OF PROPOSED BAFFLE / CANOPY
- PROPOSED BEANY BLOCK ALIGNMENT
- PROPOSED 400sq. TACTILE PAVING IN RED
- PROPOSED 400sq. TACTILE PAVING IN BUFF
- PROPOSED PEDESTRIAN ROAD STUD
- PROPOSED BAFFLE COLUMN LOCATION
- EXISTING BARRIER TO BE REMOVED
- BARRIER TO BE INSTALLED
- EXISTING SURVEY / LANDSCAPE



INDICATIVE SECTION THROUGH NORTHERN FOOTWAY (not to scale)



INDICATIVE SECTION THROUGH SOUTHERN CARRIAGEWAY AND CENTRAL ISLAND (not to scale)

CENTRAL RESERVATION DIMENSIONS			
BAFFLE REFERENCE	DIM.X	DIM.Y	DIM.Z
BAFFLE 1	1500	950	750
BAFFLE 2	765	870	670
BAFFLE 3	1430	845	645