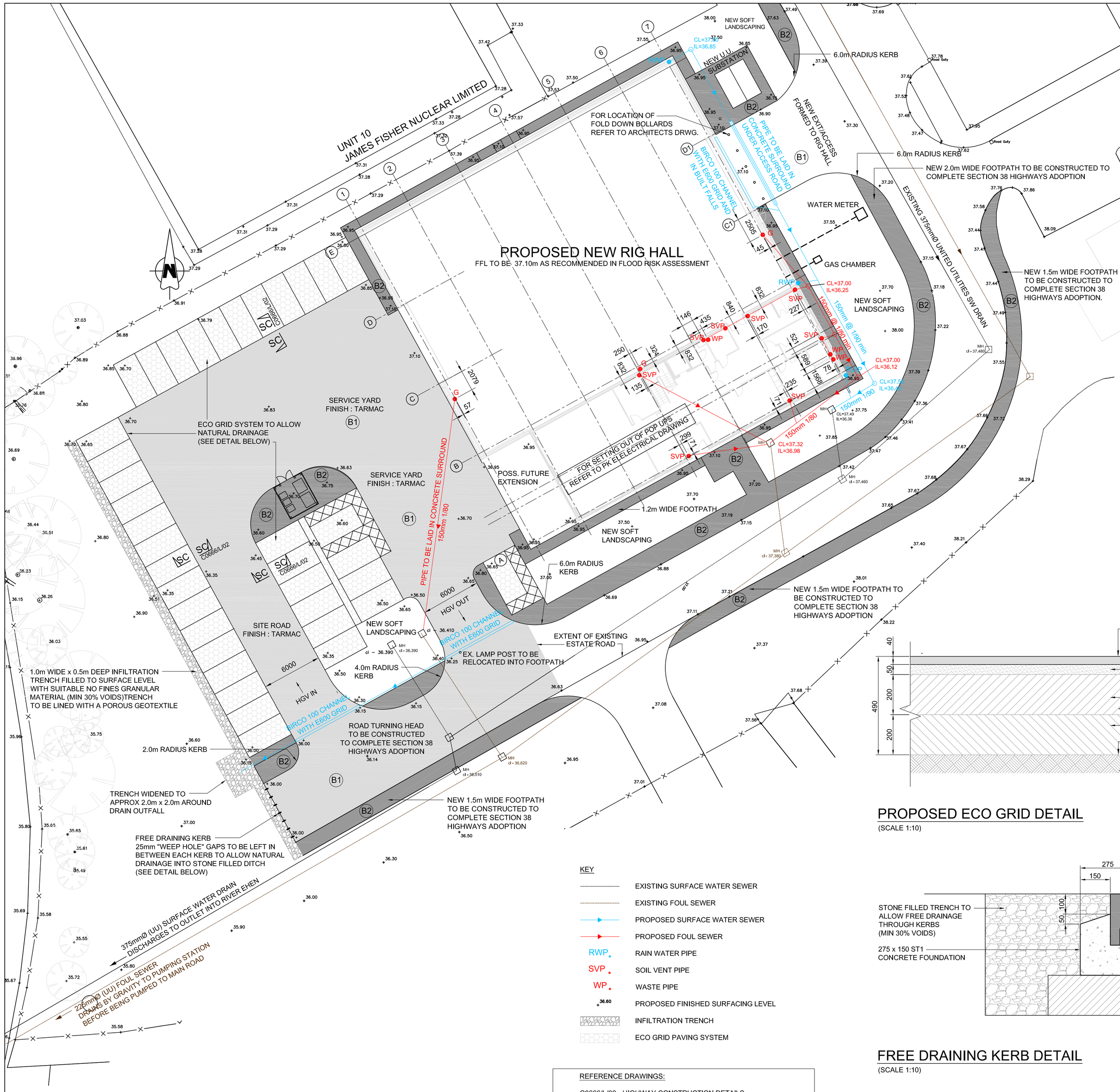

REFERENCE DRAWINGS:

C0666/L/02 - HIGHWAY CONSTRUCTION DETAILS

PROPOSED ECO GRID DETAIL

(SCALE 1:10)

NOTE:
LAYOUT SHOWN SUBJECT TO RECOMMENDATIONS FROM MANUFACTURER WITH REVIEW OF GROUND CONDITIONS AND PROPOSED END USE, SURFACE FINISH TO BE AGREED WITH ARCHITECT

FREE DRAINING KERB DETAIL

(SCALE 1:10)

Drawing Number

C0666/L/01 E

NOTES

1. ALL PLUMBING AND DRAINAGE WORK TO BE CARRIED OUT IN ACCORDANCE WITH CURRENT BUILDING REGULATIONS AND THE SATISFACTION OF THE LOCAL AUTHORITY BUILDING INSPECTOR.
2. ALL DRAINS ARE TO BE BY HEPWORTH TYPE OR SIMILAR APPROVED.
3. ECO GRID TO BE LAID AND CONSTRUCTED IN LINE WITH MANUFACTURERS GUIDELINES.
4. CHANNELS TO BE AS PER MARSHALL'S BIRCO 100 OR SIMILAR APPROVED. CONSTRUCTION TO BE AS PER MANUFACTURERS GUIDELINES.

GENERAL NOTES

1. PLUMBING AND KITCHEN / BATHROOM PROVISIONS:
2. SOIL AND VENT PIPES TO BE 100mm DIAMETER STRAIGHT AND VERTICAL BETWEEN TOP AND BOTTOM CONNECTION TERMINATING IN CAGED TOP 900mm ABOVE ANY OPENING.
3. SVP TO DISCHARGE DIRECTLY INTO INSPECTION CHAMBER VIA 100mm DIAMETER REST BEND. INTERNAL SVP'S ENCASED IN TIMBER FRAMED BOXING FINISHED WITH 12.7MM PLASTERBOARD AND SKIM AND LINED QUILT INSULATION FOR SOUNDPROOFING.
4. W.C. WASTES CONNECTED BY 100MM-DIAMETER PIPE TO SVP OR DIRECTLY TO DRAIN. WASH HAND BASINS, BATHS AND SINKS TO HAVE 75mm DEEP SEAL ANTI-SYMPHONIC TRAPS, DISCHARGING RESPECTIVELY THROUGH 32mm, 40mm AND 40mm DIAMETER WASTE PIPE TO SVP OR DIRECTLY TO B.I.G. WHERE WASTES COMBINED PIPE TO BE 50mm DIA.
5. SOIL AND WASTE PIPES TO HAVE CLEANING ACCESS AT ALL CHANGES OF DIRECTION.

DRAINAGE:

1. ANY DRAINS PASSING THROUGH BRICK FOOTINGS ARE TO HAVE R.C. LINTELS OVER AND FLEXIBLE JOINTS EITHER SIDE.
2. ALL DRAINS TO BE LAID SOFFIT TO SOFFIT.
3. NEW INSPECTION CHAMBERS TO BE MIN 450MM DIAMETER. INSPECTION CHAMBER MAX. DEPTH TO INVERT NOT TO EXCEED 1.2m FOR A 450mm DIAMETER (OR 450 X 450mm) CHAMBER. FOR INCREASED DEPTHS REFER TO REGULATIONS
4. ALL LINES OF DRAINAGE INDICATED ARE PROVISIONAL ONLY AND THE EXACT POSITIONS OF ALL DRAINS MAY BE ALTERED TO SUIT AND DETERMINED ON SITE PRIOR TO COMMENCEMENT OF WORK. ANY REVISIONS ARE TO BE SUBJECT TO THE APPROVAL OF THE LOCAL BUILDING INSPECTOR.
5. EXISTING PIPEWORK TO BE CHECKED FOR ANY DAMAGE/CONDITION OF PIPEWORK. ANY DEFECTIVE PIPEWORK TO BE REPLACED USING VC 'HEPSLEVE' OR SIMILAR. WORKS TO ANY ADOPTED SEWERS SHOULD BE APPROVED WITH UNITED UTILITES PRIOR TO COMMENCEMENT.
6. ALL DRAINAGE PASSING THROUGH EXTERNAL WALLS TO HAVE CEMENT FIBRE SHEET COLLARS PROVIDED EITHER SIDE OF WALL TO PREVENT VERMIN ENTRY. ALL DRAINS RUNNING UNDER BUILDING TO BE ENCASED IN 100mm GRANULAR FILL.
7. PROTECT EXISTING DRAINS TO BE RETAINED, ENSURING THAT MANHOLES, GULLIES AND THE LIKE ARE NOT DAMAGED & DRAINS ARE KEPT FREE FROM DEBRIS AT ALL TIMES.
8. EXISTING INSPECTION CHAMBERS TO BE CLEANED & INSPECTED FOR INTERNAL DEFECTS. ANY CRACKED, SPALLED OR DISLODGED BRICKS TO BE REPLACED WITH EQUAL & SUITABLE ENGINEERING BRICK. MORTAR FOR BEDDING IN NEW BRICKS & /OR POINTING OF DEFECTIVE BED/CROSS JOINTS TO BE 1:3 CEMENT/SAND MIX
9. ALL RAINWATER PIPES TO TERMINATE AT RODDABLE GULLIES CONNECTED TO MINIMUM 100mm DIAMETER DRAINS.
10. MINIMUM FALL OF ALL SURFACE WATER DRAINS TO BE 1 IN 90. MINIMUM FALL OF ALL FOUL DRAINS TO BE 1 IN 80
11. WHERE DRAIN IS WITHIN 1.0m OF A BUILDING, THE TRENCH IS FILLED WITH CONCRETE UP TO THE UNDERSIDE OF THE FOUNDATIONS AND WHERE THE TRENCH IS FURTHER AWAY THAN 1M FROM THE BUILDING, THE TRENCH IS FILLED WITH CONCRETE TO A LEVEL BELOW THE LOWEST LEVEL FOR THE BUILDING EQUAL TO THE DISTANCE FROM THE BUILDING, LESS 150mm.
12. ALL BELOW GROUND DRAINS SHOULD FINISH WITH A SOCKET CAPABLE OF ACCEPTING A 110mm SOIL PIPE SPIGOT AND THE TOP OF THE SOCKET SHOULD BE NO HIGHER THAN FINISHED FLOOR LEVEL.

COVER AND INVERT LEVELS SHOWN ARE ESTIMATED AND SUBJECT TO CONFIRMATION OF OUTFALL INVERT LEVELS ON SITE

Rev	Date	Revision Details	By	Chkd	Appd
E	10.08.10	FINAL ISSUE	CAR	ABG	
D	30.03.10	DRAINAGE AMENDED TO SUIT PK ELECTRICAL	CAR	ABG	
C	02.03.10	CONSTRUCTION ISSUE	CAR	ABG	

Westlakes Consulting
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Client: KIER

Project: PROPOSED RIG HALL AND OFFICES
BRIDGE END INDUSTRIAL ESTATE, EGREMONT

Title: PROPOSED DRAINAGE LAYOUT

Drawing No.	Revision
C0666/L/01	E

Scale	AS SHOWN @A1	Date	JANUARY 2010
Drawn	C.A.R.	Checked	A.B.G.
		Approved	

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