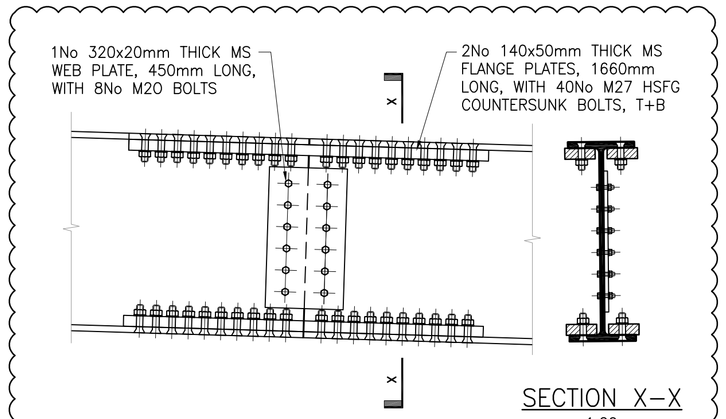
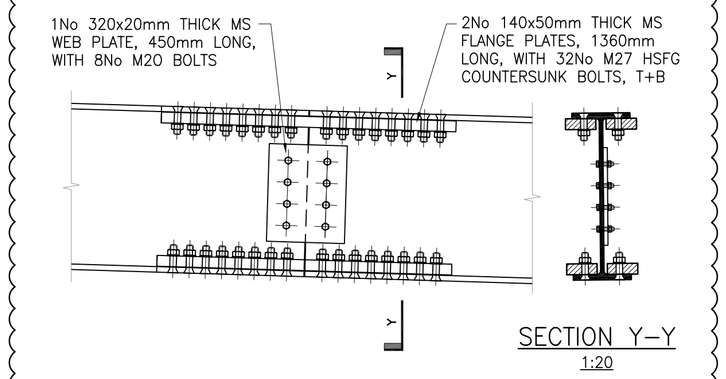


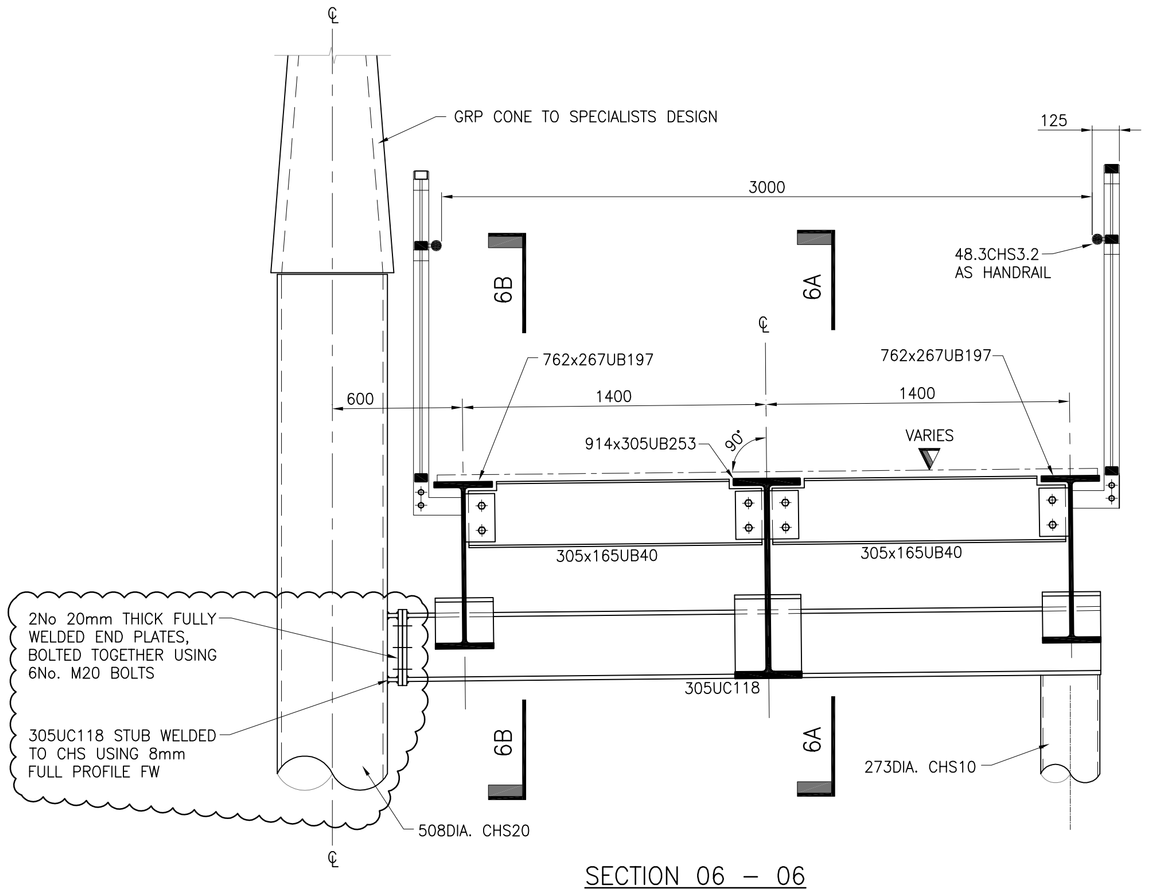
SECTION X–X
1:20

BEAM SPLICE 914x305UB253
1:20

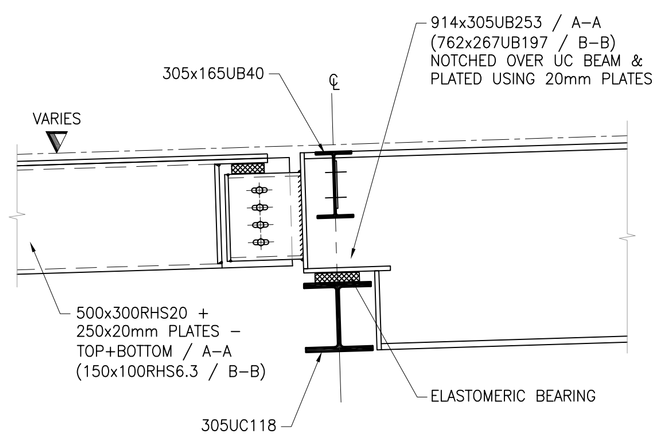


SECTION Y–Y
1:20

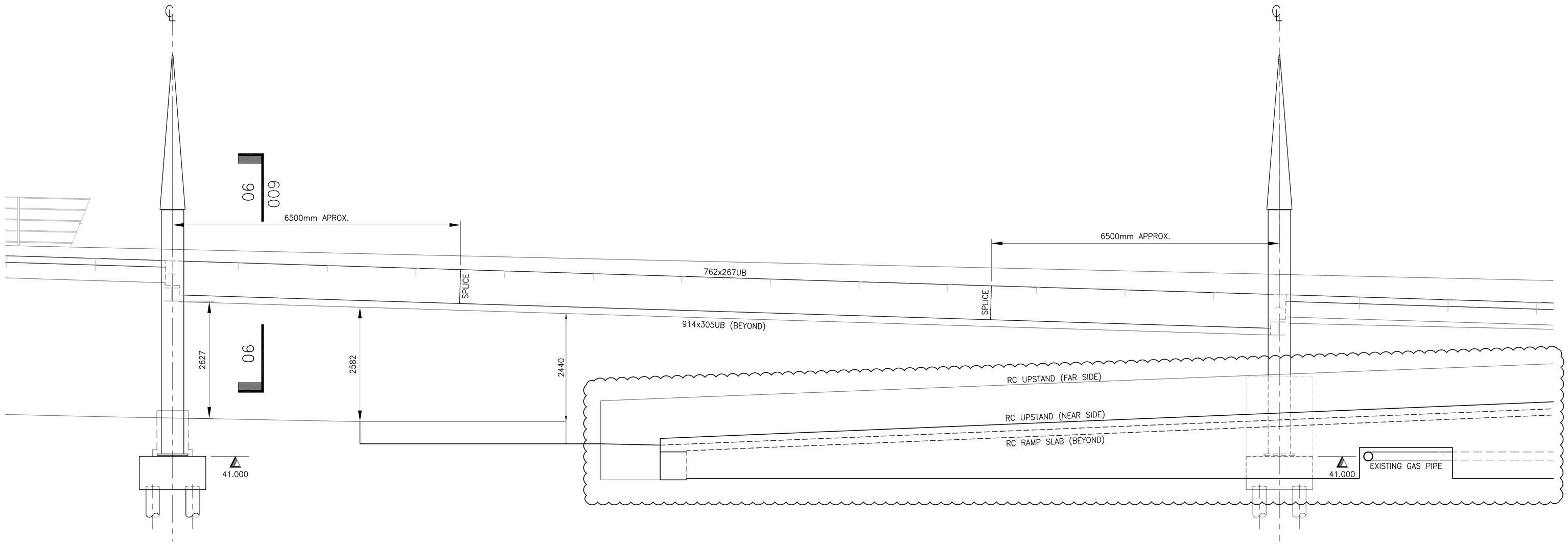
BEAM SPLICE 762x267UB97
1:20



SECTION 06 – 06
1:20



SECTION 6A – 6A
(6B – 6B AS NOTED)
1:20



ELEVATION ON RAMP OVER SERVICES ZONE
1:50

FOR PLANS, SECTIONS & DETAILS REFER TO THE FOLLOWING DRAWINGS:

SITE/RAMP LAYOUT:	4483–004
PILECAP/RAMP DETAILS:	4483–005
CONCRETE RAMP DETAILS:	4483–006
STEELWORK RAMP DETAILS:	4483–007
ENLARGED PLANS:	4483–008
STEELWORK RAMP SECTIONS:	4483–009
RAMP ELEVATION:	4483–010
PILE + PILECAP LAYOUT:	4483–011

GENERAL NOTES

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECT'S, SERVICE ENGINEER'S, SPECIALIST'S AND KIRKSAUNDERS' DRAWINGS, BILLS OF QUANTITIES AND SPECIFICATION.
2. FOR THE PURPOSES OF CONSTRUCTION THIS DRAWING MUST NOT BE SCALED AND ONLY WRITTEN OR CALCULATED DIMENSIONS USED.
3. ALL WORKMANSHIP TO BE IN ACCORDANCE WITH THE LATEST EDITION OF THE RELEVANT BRITISH STANDARD, CODES OF PRACTICE, SPECIFICATIONS AND TO THE APPROVAL OF THE BUILDING INSPECTOR AND CONTRACT ADMINISTRATOR.
4. ALL DIMENSIONS ARE TO BE CHECKED ON SITE BY THE CONTRACTOR PRIOR TO ORDERING OR FABRICATING ANY SET ITEMS.
5. DIMENSIONS MARKED BY AN * ARE SUBJECT TO CONFIRMATION BY SITE MEASURE AND GIVEN FOR GUIDANCE ONLY.
6. ALL BEAMS ARE REFERENCED BY DEPTH x BREATH UNLESS NOTED OTHERWISE.
7. ALL PROPRIETARY PRODUCTS ARE TO BE USED STRICTLY IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
8. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION PROCEDURES AND TEMPORARY WORKS TO SAFELY CARRY OUT STRUCTURAL WORKS.

STEELWORK NOTES

1. UNLESS NOTED OTHERWISE ALL STRUCTURAL STEEL SECTIONS TO BE S355J0
2. STRUCTURAL HOLLOW SECTIONS TO BE HOT FINISHED GRADE S355J2H
3. ALL CONNECTIONS NEED TO BE ABLE TO WITHSTAND THE FACTORED VERTICAL END REACTIONS AS NOTED ON THE DRAWING AND A TENSILE FORCE EQUAL TO 75kN
4. ALLOWANCE NEEDS TO MADE BE FOR ANY ADDITIONAL STIFFENERS TO COLUMN/BEAM CONNECTIONS IN ORDER TO RESIST THE ABOVE FORCES.
5. STEEL FABRICATOR IS RESPONSIBLE FOR DETAILING DESIGN AND SETTING OUT OF ALL COLD FORMED SECONDARY STEELWORK AND ALL STRUCTURAL STEELWORK CONNECTIONS. ANY CONNECTIONS SHOWN ON KIRKSAUNDERS' DRAWINGS ARE INDICATIVE ONLY.
6. ALL WORKMANSHIP AND MATERIALS TO BE IN ACCORDANCE WITH THE LATEST EDITION OF THE ENGINEER'S, SPECIALIST'S AND KIRKSAUNDERS' DRAWINGS, BILLS OF QUANTITIES AND SPECIFICATION.
7. END REACTION FORCES ARE SHOWN WITH THEIR DEFINITIONS IN PARENTHESES':
 - (V) VERTICAL SHEAR - kN
 - (M) MAJOR AXIS BENDING MOMENT - kNm
 - (A)AXIAL FORCE - kN
 - (T) TORSION - kNm
 - (H) HORIZONTAL SHEAR - KN
8. ALL STEELWORK TO BE HOT DIP GALVANISED AND ALSO PREPARED & PAINTED WITH 125 MICRONS ZINC PHOSPHATE PRIMER (REFER TO SPECIFICATION). NO PAINT REQUIRED TO COLUMNS ENCASED IN CONCRETE.
9. ALL BOLTS SHALL BE GRADE 8.8 MINIMUM 20mm DIAMETER, UNLESS NOTED OTHERWISE. WELDS SHALL BE MINIMUM 6mm CONTINUOUS FILLET, UNLESS NOTED OTHERWISE (BUTT WELDS SHALL BE TESTED).
10. ALL HOLES THROUGH STEELWORK SHALL BE DRILLED. THE BURNING OF HOLES IS NOT ACCEPTABLE.
11. NO NOTCHES, HOLES OR REBATES ETC. ARE TO BE CUT IN ANY MEMBER WITHOUT THE WRITTEN AGREEMENT OF THE ENGINEER.
12. ALL STEELWORK SHALL HAVE ALL SHARP EDGES AND BURRS REMOVED.
13. ALL STEELWORK BELOW GROUND LEVEL SHALL BE CASED IN A MINIMUM 100mm OF CONCRETE.

Rev	Description:	Drn:	Chk:	Date:
C2	RC RAMP EXTENDED PAST EXISTING GAS PIPE. STEEL BEAM–COLUMN CONNECTION REVISED. STEEL SPLICE DETAILS ADDED. NOTES REV'D.	DeW	GC	22.10.12
C1	ISSUED FOR CONSTRUCTION. PLATES ADDED TO RHS ON SECTION 7A–7A.	DeW	GC	03.09.12
P4	COLUMN ENCASEMENT SHOWN. FINISHES ADDED TO SECTION 6–6.	DeW	GC	25.05.12
P3	PILECAP LEVELS ADDED.	DeW	GC	26.04.12
P2	MAIN SUPPORT BEAM OFF COLUMN (OVER SERVICE ZONE) REVISED. SPLICES ADDED.	DeW	GC	28.03.12
P1	ISSUED FOR INFORMATION	DeW	GC	13.03.12

Status:
FOR CONSTRUCTION

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Client:
SAINSBURY'S

Architect:
CHQ PARTNERSHIP

Project:
WATERLOOVILLE RAMP

Drawing title:
STEELWORK DETAILS
GENERAL ARRANGEMENTS

Drawn:	Chkd/Appd:	Date:	Sheet size:	Scale/s:
DeW	GC	MAR. '12	A1	AS SHOWN

Drawing Number: 4483–009
Revision: C2

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