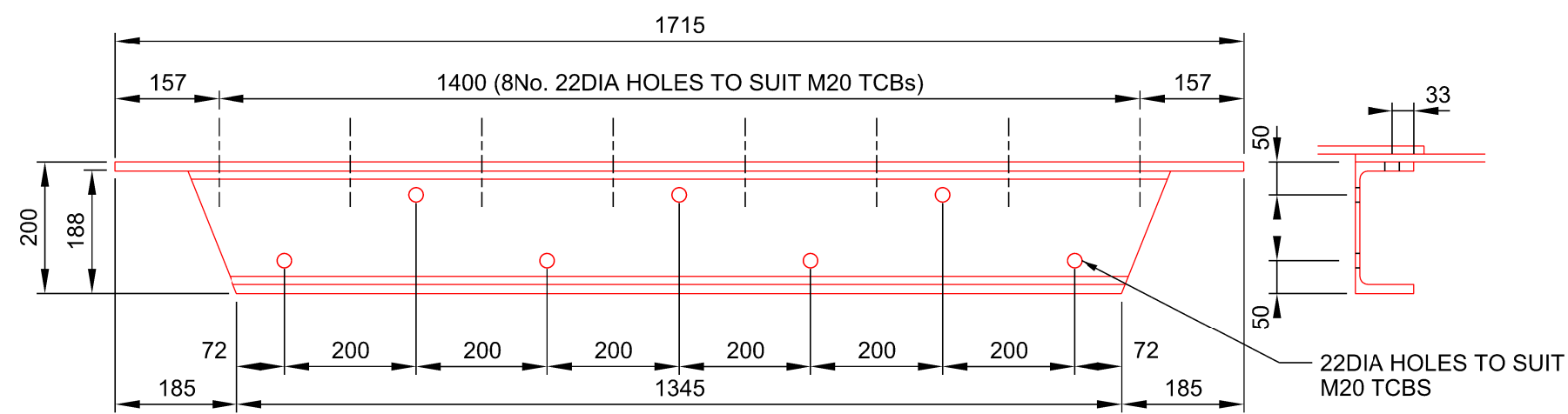
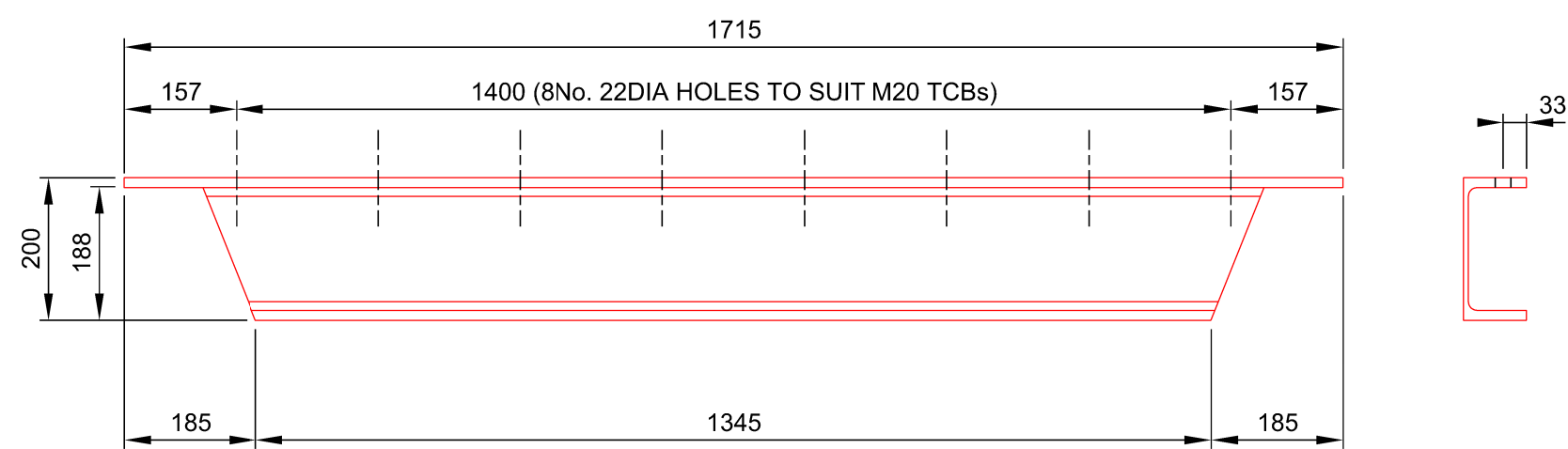


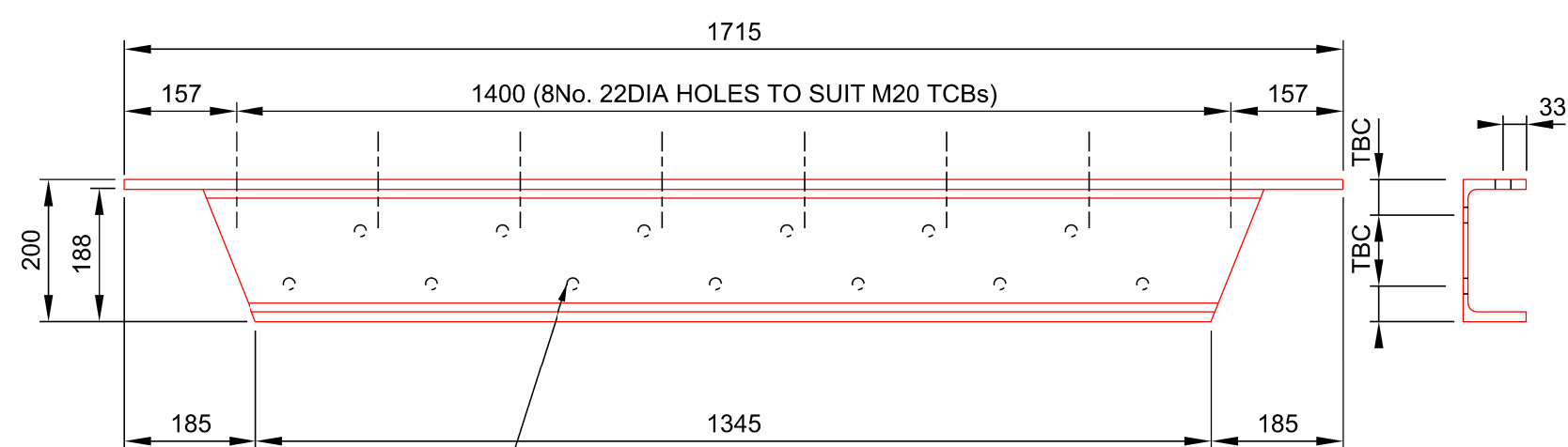
ELEMENT WEIGHTS AND QUANTITIES		
ELEMENT	WEIGHT (kg) *	QUANTITY (No.)
PFCs (1A, 1B, 2 and C)	41	8
DECK PLATES AND COVER PLATES	112	6
490x100x12.5	6	8
460x100x12	5	4
460x100x12.5	5	4
* ELEMENT WEIGHTS ROUNDED UP TO NEAREST KILOGRAM		



PFC TYPE 3 - 2No. REQD THUS



PFC TYPE 2 - 4No. REQD THUS



PFC TYPE 1A - 1No. REQD THUS
TYPE 1B SIMILAR, BOLT HOLES COORDINATED WITH EXISTING ADJACENT PFC

GEOTEXTILE GEO 1000 OSA (2 LAYERS TBC)
ELIMINATOR WATERPROOFING OSA
GEOTEXTILE MAT (GEO 1000 OSA)
40N/mm² CEMENTICIOUS GROUT
2 LAYERS OF BITUMEN PAINT TO TOP OF PLATE
PROPOSED 12mm THK DECK PLATE

FAST CURING CEMENTICIOUS GROUT POURED TO APPROX EXISITING LEVEL OF SURROUNDING QUARRY TILES. MIN 40N/mm² 28 DAY STRENGTH

EXISTING RIVETS TO BE REMOVED AND REPLACED WITH M20 TCBS. RIVET HOLES TO BE REAMED AS REQUIRED. PROPOSED HOLES IN NEW PFC SHALL BE TEMPLATED ON SITE TO COORDINATE WITH ADJACENT EXISTING CHANNEL
SIMILAR FOR PFC TYPE 1A

TYPE 1B PFC
200x90x30

EXISTING 8"x3"x19.3lbs CHANNELS

BALLAST OMITTED FOR CLARITY. SEE NOTES

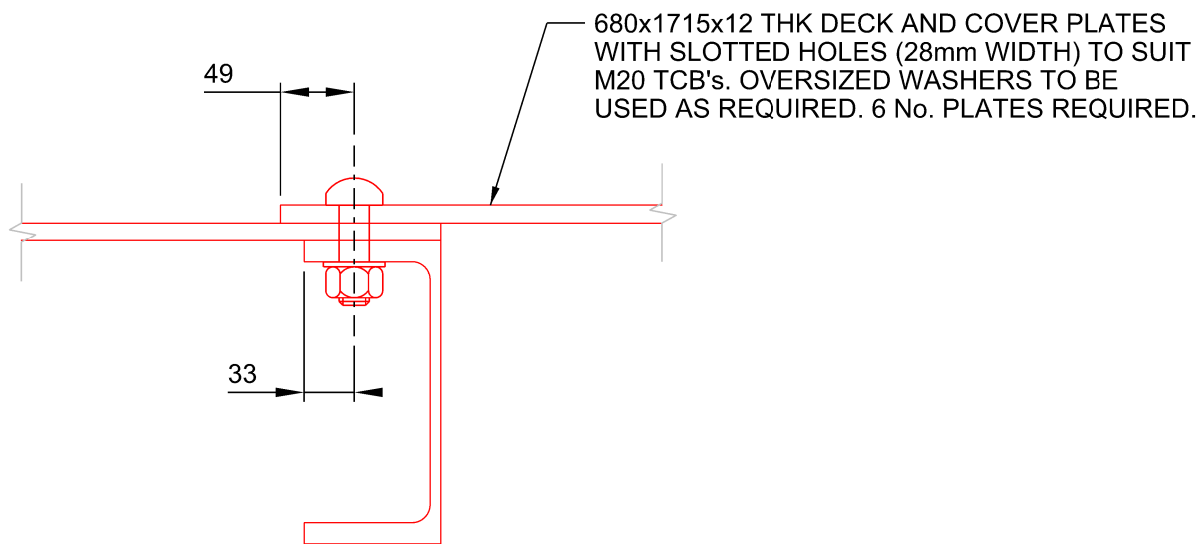
NEW WATERPROOFING TO BE HEAT WELDED TO EXISITNG

ASSUMED GEOTEXTILE MAT (No OF LAYERS TBC)

LOOSE LAID WATERPROOFING SYSTEM
GEOTEXTILE MAT (ASSUMED)
1" QUARRY TILES SET IN HOT BITUMENT
2 LAYERS OF PLUVEX ON HESSIAN BASE
EXISTING 1.5" BITUMEN MACADAM
EXISTING 0.5" DECK PLATE



DETAIL 1
1:5



DETAIL 2
1:5

NOTES:

1. ALL DIMENSIONS ARE SHOWN IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. IT IS RECOMMENDED THAT TRIAL PITS ARE TAKEN PRIOR TO MAIN POSSESSION TO IDENTIFY ANY WATERPROOFING PROTECTION AND TO ESTABLISH EXISTING BALLAST DEPTHS ACROSS STRUCTURE. NO ALTERATIONS ARE PROPOSED TO ANY TRACK LEVEL OR LOCATION. TRACK TO BE REINSTATED AS EXISTING.
3. NEW STEELWORK TO BE GRADE S355 J2 IN ACCORDANCE WITH BS 10025-2004 PART 2. PROTECTIVE TREATMENT OF NEW STEELWORK TO BE AN N1 SYSTEM IN ACCORDANCE WITH NR SPECIFICATION NR/GN/CIV/002, NR/L3/CIV/039 & NR/L3/CIV/040. COLOUR SHALL BE10C31 TO BS4800 (IVORY)
4. ALL DIMENSIONS OF THE NEW STEELWORK ELEMENTS AND BOLT LOCATIONS TO BE CONFIRMED PRIOR TO FABRICATION BY STEEL FABRICATOR.
5. ALL STEELWORK REPAIRS TO BE CARRIED OUT IN ACCORDANCE WITH NR/CIV/SD/801
6. DUE TO INSTALLTION METHOD AND REQUIRED TEMPLATING FOR BOLT HOLES ON DECK PLATE IT IS NOT PROPOSED THAT ANY FAYING SURFACES TREATMENT BE REQUIRED.
7. REPAIRS PROPOSED ARE TO ADDRESS CRACKED FLOOR PLATE DEFECTS IDENTIFIED FOLLOWING GRIT BLASTING OF STRUCTURE.
8. EDGES OF PACKER PLATES TO BE SEALED USING POLYSULPHIDE SEALANT.
9. LIFTING HOLES AND ARRANGEMENTS TO BE DETERMINED BY CONTRACTOR.

SIGNIFICANT DESIGNERS IDENTIFIED HAZARDS

FOLLOWING COMPLETION OF THE DESIGNERS RISK ASSESSMENT IN ACCORDANCE WITH C.D.M. REGULATIONS 2007, THE CONTRACTOR SHALL TAKE NOTE OF THE FOLLOWING SIGNIFICANT RESIDUAL RISKS. FOR FULL DETAILS REFER TO THE DESIGNERS RISK ASSESSMENT, AVAILABLE FROM THE PLANNING SUPERVISOR.



A1 POTENTIAL ASBESTOS CONTAINING MATERIAL IN EXISTING CONSTRUCTION
B1 TEMPORARY POSITIONING OF NEW PFC CHANNELS WITHOUT DIRECT FIXINGS
C1 OVERHEAD LINE EQUIPMENT PRESENT
D1 INDIVIDUAL ELEMENTS ARE HEAVY, MANUAL HANDLING LEGISLATION TO BE ADHERED TO.

EVERYDAY OR LOW RISK HAZARDS HAVE NOT BEEN IDENTIFIED ON THIS DRAWING. NEITHER HAVE HAZARDS THAT SHOULD BE OBVIOUS TO A COMPETENT CONTRACTOR SHOULD ANY ADDITIONAL HAZARDS BE IDENTIFIED THE CONTRACTOR SHOULD NOTIFY ALL THE RELEVANT PROJECT TEAM MEMBERS.

Rev	Date	Description	Drawn	Check	Approv
01	10.10.19	Schematics for Review			



PROJECT:
GREAT DUCIE ST
REFURBISHMENT
DSE 146 SPAN 130

Site	Client
MVE1 1A & 1B, DSE 146/130 MANCHESTER VICTORIA.	J MURPHY & SONS LTD WIGAN ROAD GOLBORNE WA3 3UB Phone 01942 725326 Fax 01942 721530 info@murphygroup.co.uk www.murphygroup.co.uk



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TITLE:

DSE 146 SPAN 130
PROPOSED DECK PLATE
REPAIR DETAIL
SHEET 2 of 2

Designed	J. Cunliffe	Signed	Date	10.10.19
Drawn	S. Roberts	Signed	Date	10.10.19
Checked	M. Bardin	Signed	Date	10.10.19
Approved	M. Bardin	Signed	Date	10.10.19
Scale:	As shown	Datum:	N/A	
Original Size:	A1	Grid:	N/A	
ELR:	DSE	Mileage:	31m 880yds	
Suitability Code:	N/A	Project Number:	UA007926	

Suitability Description:
SCHEMATICS

Drawing Number:	Revision:
0201-04-UA007926-UT41D	01

APPROVED FOR CONSTRUCTION		NETWORK RAIL		NETWORK RAIL ASSET ENGINEER		PRINCIPAL CONTRACTOR		CONTRACTOR'S DESIGNER	
Signed	Title C.E.M. (CONSTRUCTION PHASE)	Signed	Title DESIGNATED PROJECT ENGINEER	Signed	Title ASSET ENGINEER	Signed	Title C.E.E. (CIVILS)	Signed	Title C.E.E. (CIVILS)
Name	Date	Name	Date	Name	Date	Name Michael Batley	Date Nov 2019	Name MICHAEL BARDIN	Date 09/04/2019