

DATE: 03/10

UK BUS



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CONSTRUCTION DEPARTMENT
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STRUCTURAL ENGINEER

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PLANNING

BUILDING REGULATIONS

CONTRACTOR

STAGECOACH SCHEME APPROVAL

TENDER

CONSTRUCTION ISSUE

EMAIL

purpose of issue

instruction number

date

A. approval
B. costing
C. information
D. tender

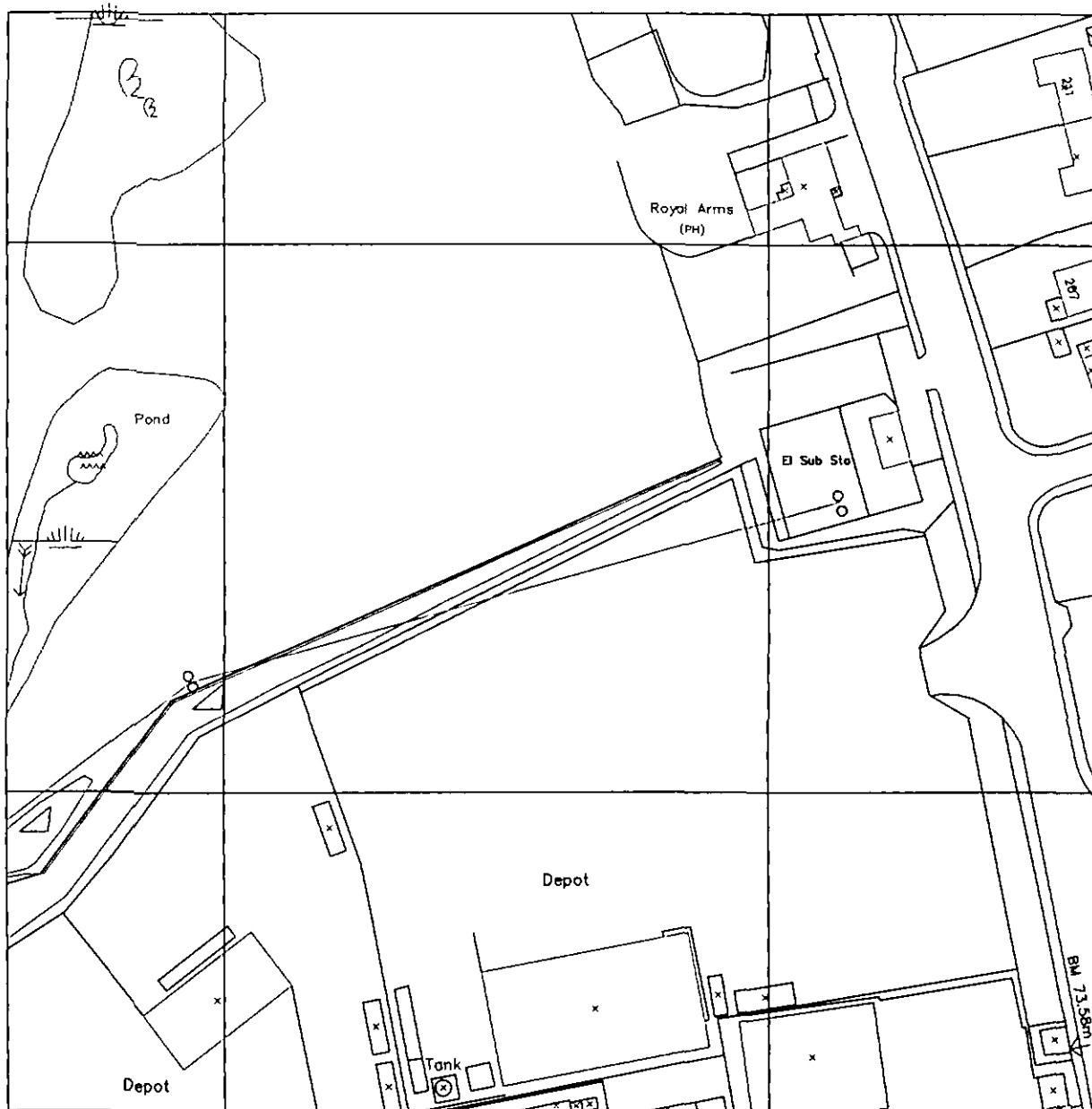
- E. consruction
- F. building regs
- G. planning
- H. general issue

G

23

03

10



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COMPANY:

STAGECOACH YORKSHIRE

PROJECT:

PROPOSED NEW PARKING AREA WAKEFIELD DEPOT WAKEFIELD ROAD BARNSELY

DRAWING TITLE:

LOCATION PLAN

SCALE:

A40:1250

DATE:

May 2007

DRAWN BY:

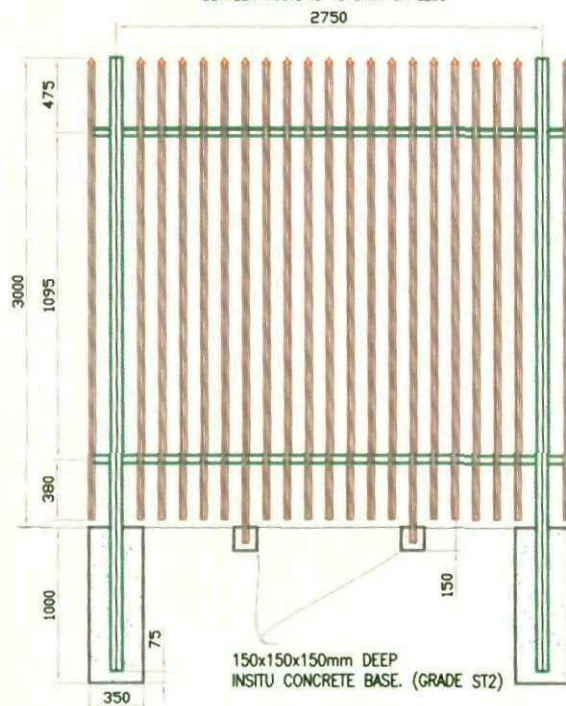
MTD

DRAWING NUMBER:

748/A/001

REVISION:

WHERE POSTS ARE REQUIRED AT SMALLER Ctrs,
COMPONENTS SHALL BE PURPOSE BUILT, NO
INTERMEDIATE SUPPORT REQUIRED IF DISTANCE
BETWEEN POSTS IS 1375mm OR LESS



NEW PALISADE FENCING TO COMPLY WITH BS 1722
pt 12:1999. STEEL PALISADE FENCING POSTS TO
BE 127x76 RSJ, AT APPROX 2750mm Ctrs. RAILS
TO BE 50x50x6mm EA. PAIRS TO BE 3mm THK,
2950mm LONG 'D' SECTIONS, TRIPLE POINTED
AND SPLAYED HEADS. HEIGHT OF FENCE ABOVE
GROUND LEVEL TO BE 3000mm. ALL STEELWORK
INCLUDING BRACKETS TO BE HOT DIPPED
GALVANISED TO BS 729. ALL BOLT FIXINGS TO BE
PERMOCONE ANTI-VANDAL GALVANISED. 12mm#
BOLTS TO BE USED FOR RAIL AND POST
CONNECTIONS PALES WELDED TO HORIZONTAL
RAILS WITH 3mm c.f.w.

EXISTING GROUND PROFILE

350x350x1000mm DEEP INSITU CONCRETE (GRADE
ST2) FOUNDATIONS. FENCE POSTS TO BE SET
PLUMB WITH A PROJECTION OF 925mm INTO
FOUNDATIONS. PRIOR TO POURING CONCRETE,
APPLY 2 COATS OF BLACK BITUMEN PAINT FROM
GROUND LEVEL TO UNDERSIDE OF POST. ALL
WORKS TO COMPLY WITH BS 1722 pt 12:1999.

Do not scale off this drawing.

All dimensions to be checked on site and any discrepancies to be referred to the Construction Department of Stagecoach UK BUS before proceeding.

All dimensions in mm unless otherwise specified.

All levels to be checked on site.

All discrepancies between information shown on this drawing and information in the specification to be referred to the Construction Department of Stagecoach UK BUS prior to proceeding.

All omissions to be referred to the Construction Department of Stagecoach UK BUS prior to proceeding.

All component sizes and references to be checked prior to ordering of materials.

Positions of existing drainage runs to be confirmed prior to proceeding and drains checked as necessary.

All relevant boundary positions to be checked prior to proceeding.

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Company.

Stagecoach Yorkshire

Project.

Proposed Parking Area at Wakefield Road Depot
Wakefield Road Barnsley

Drawing Title.

Palisade Fence Details

Scale:

A4@1:50

Date:

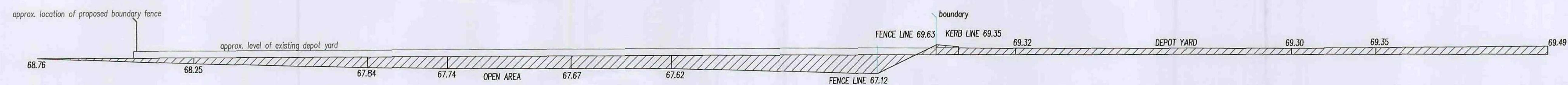
March 2010

Drawn by:

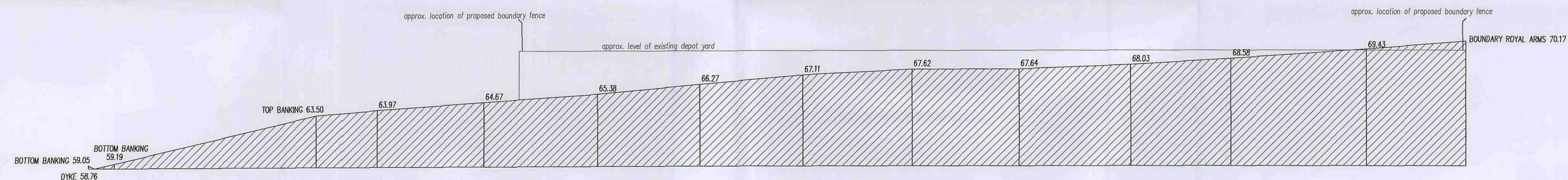
MTD

Dwg. No.

748/C/001



CROSS SECTION A



CROSS SECTION B

FOR LOCATIONS OF CROSS SECTIONS A & B
REFER TO DWG. No. 748/A/002.

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	COMPANY: STAGECOACH YORKSHIRE	
	PROJECT: PROPOSED NEW PARKING AREA AT WAKEFIELD ROAD DEPOT WAKEFIELD ROAD BARNLEY	SCALE: A100:200 DATE: AUG 2007 DRAWN BY: MTD
	DRAWING TITLE: SECTION THRO' SITE AS EXISTING	DRAWING NUMBER: 748/A/003 REV:

A61 WAKEFIELD ROAD

Royal Arms
(PH)

El Sub Sta

Site Boundary

CAR PARKING

Depot Access

CAR PARKING

Site Boundary

Existing 500mm sw drain

70135

69.50

Fall 1:25

70.45

EXISTING CAR
PARKING AREA

BUSHES AND EXISTING
PALISADE FENCE TO
REMAIN

EXISTING BUS
PARKING AREA

FUEL PAD

BUS WASH

FUEL TANK

MAIN DEPOT BUILDING

PROPOSED BUS/CAR
PARKING AREA

Site Area:
6298 sq.m.
1.56 acres.
0.63 ha.

86900

NEW 3m HIGH PALISADE
FENCE TO PERIMETER
OF SITE

Existing 500mm sw drain

EXISTING KERB TO
REMAIN

Site Boundary

74745

66.00

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REVISIONS:

COMPANY: STAGECOACH YORKSHIRE

PROJECT: PROPOSED NEW PARKING AREA AT WAKEFIELD ROAD DEPOT
WAKEFIELD ROAD BARNSELY

DRAWING TITLE: SITE PLAN AS PROPOSED

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SCALE: 1/100:250

DATE: March 2010

DRAWN BY: MTD

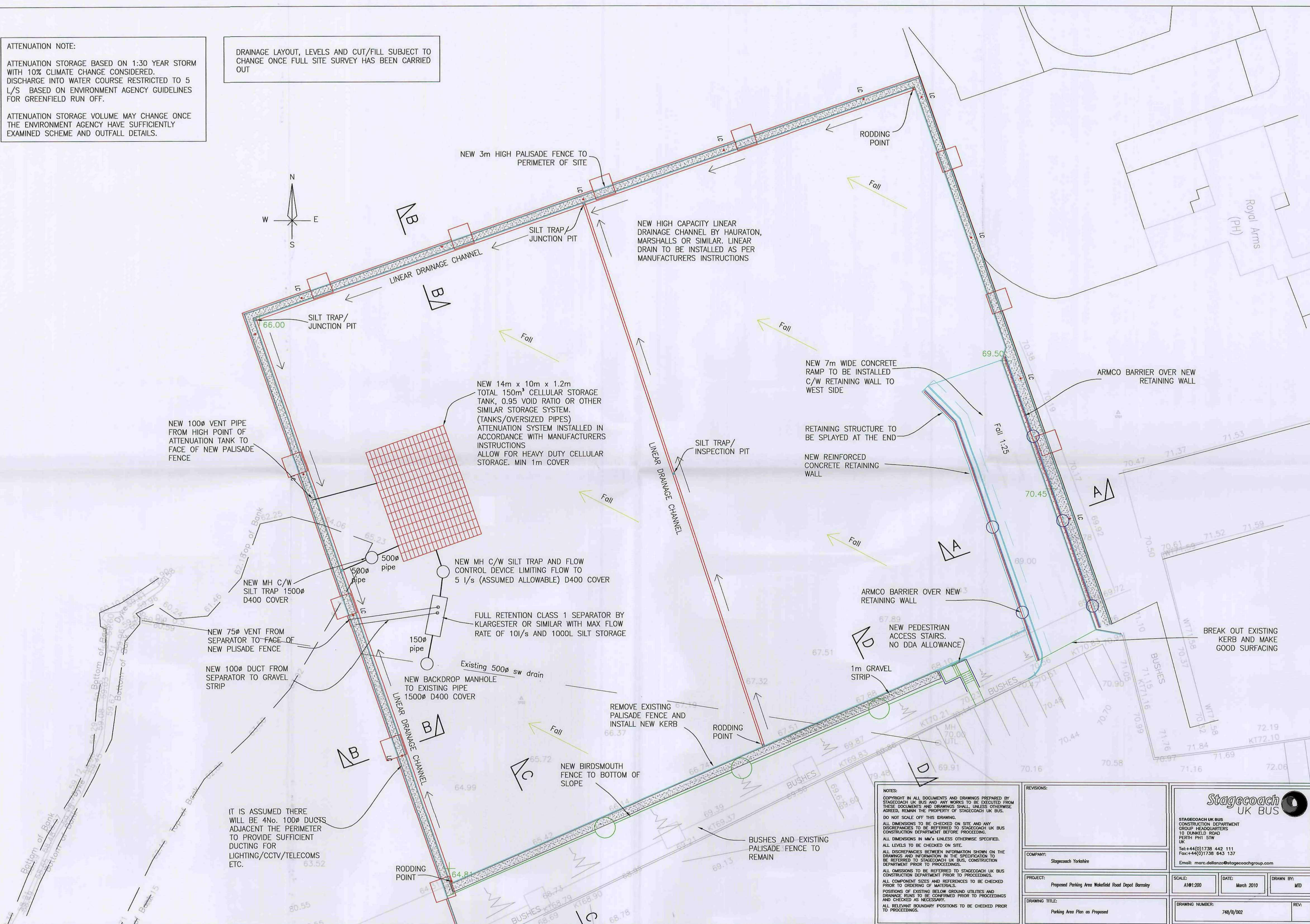
DRAWING NUMBER: 748/B/001

REV:

ATTENUATION STORAGE BASED ON 1:30 YEAR STORM
WITH 10% CLIMATE CHANGE CONSIDERED.
DISCHARGE INTO WATER COURSE RESTRICTED TO 5
L/S BASED ON ENVIRONMENT AGENCY GUIDELINES
FOR GREENFIELD RUN OFF.

ATTENUATION STORAGE VOLUME MAY CHANGE ONCE THE ENVIRONMENT AGENCY HAVE SUFFICIENTLY EXAMINED SCHEME AND OUTFALL DETAILS.

DRAINAGE LAYOUT, LEVELS AND CUT/FILL SUBJECT TO
CHANGE ONCE FULL SITE SURVEY HAS BEEN CARRIED
OUT



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- 9. ALL SIZES OF DRAINAGE, WATER AND UTILITIES AND DRAINAGE RUNS TO BE CONFIRMED PRIOR TO PROCEEDINGS AND CHECKED AS NECESSARY.
- 10. ALL RELEVANT BOUNDARY POSITIONS TO BE CHECKED PRIOR TO PROCEEDINGS.

REVISIONS:

COMPANY: Stagecoach Yorkshire

PROJECT: Proposed Parking Area Wakefield Road Depot Barnsley

DRAWING TITLE:

Parking Area Plan as Proposed

Stagecoach
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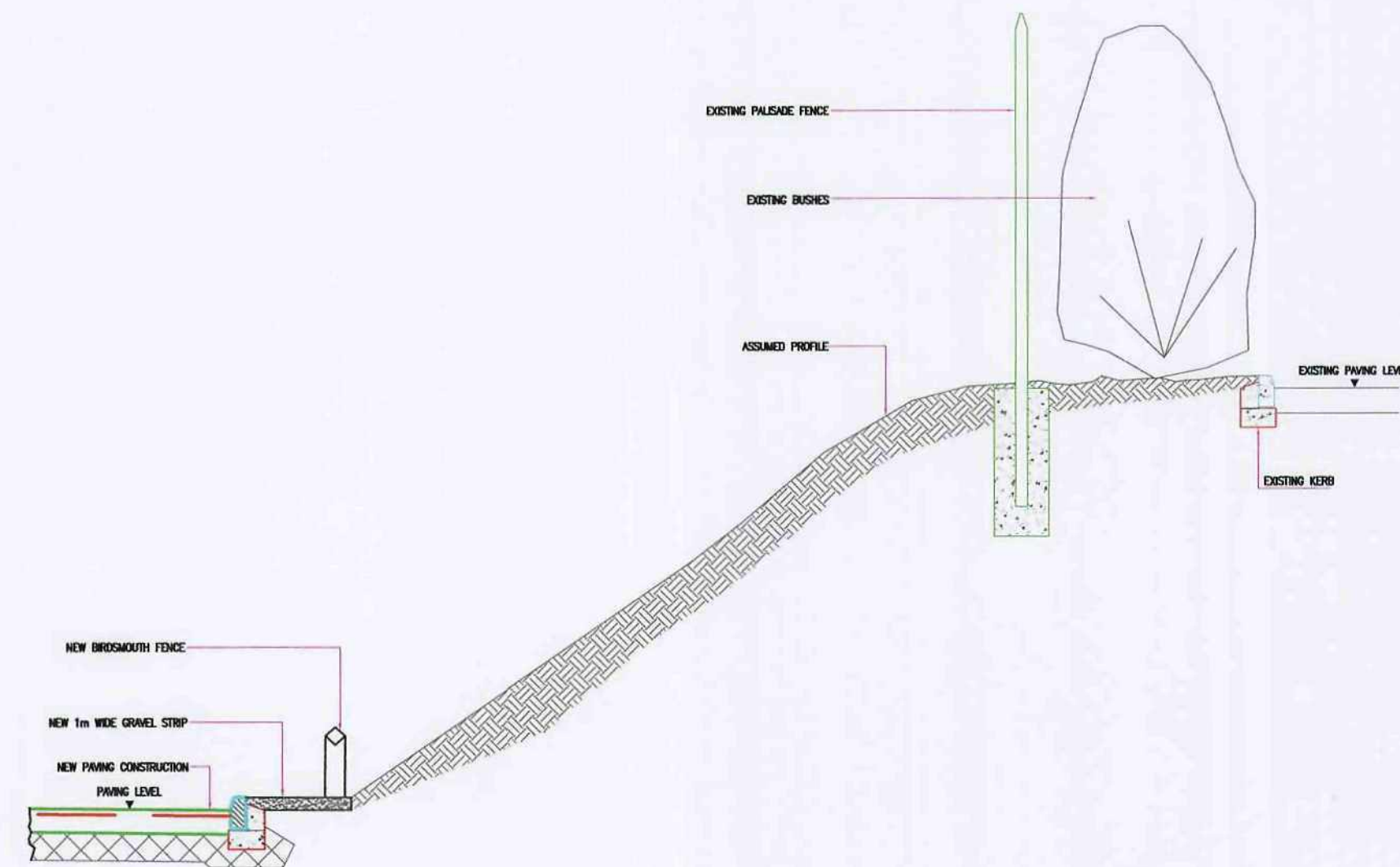
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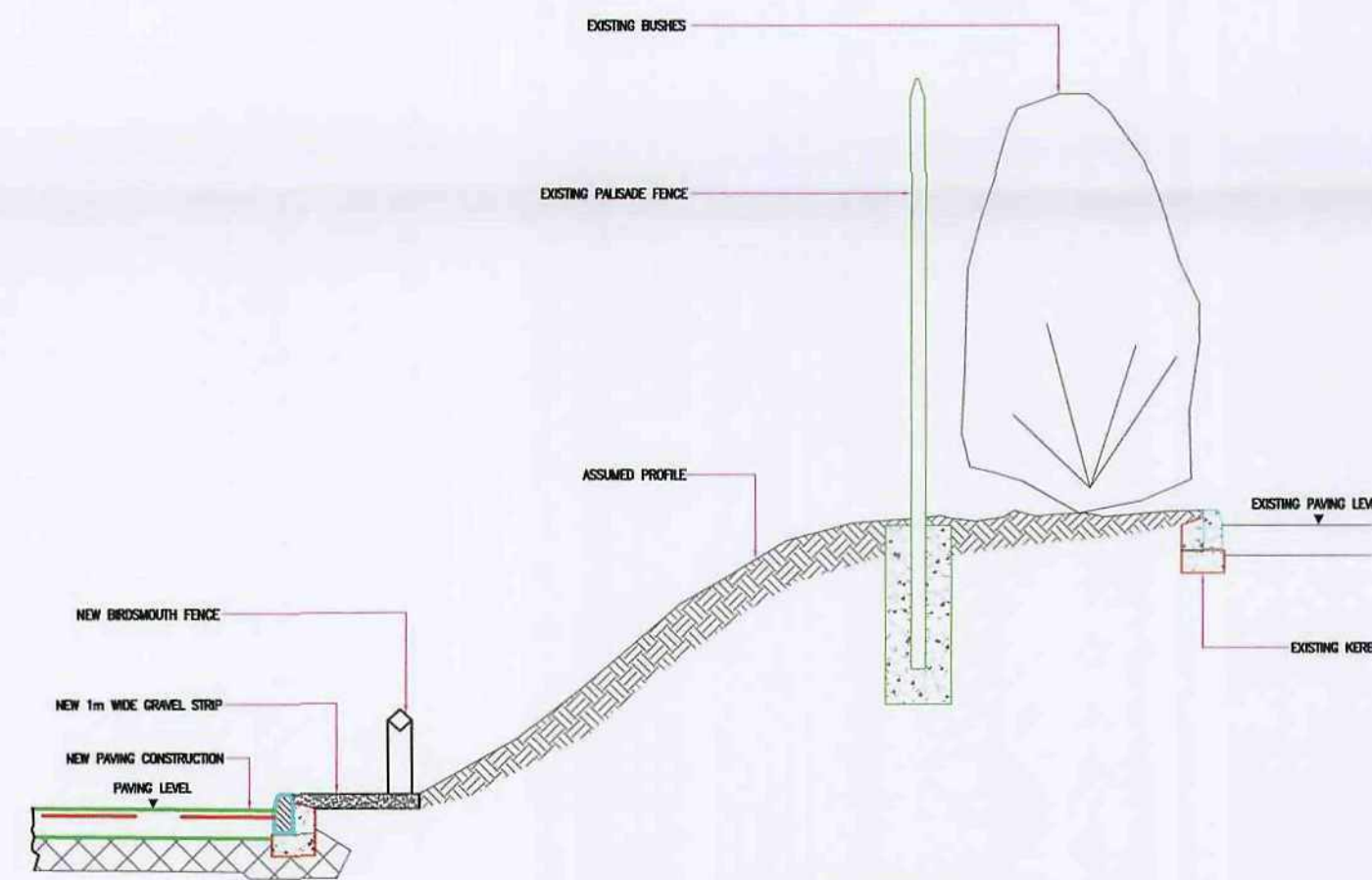
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SCALE: A1@1:200	DATE: March 2010	DRAWN BY: MTD
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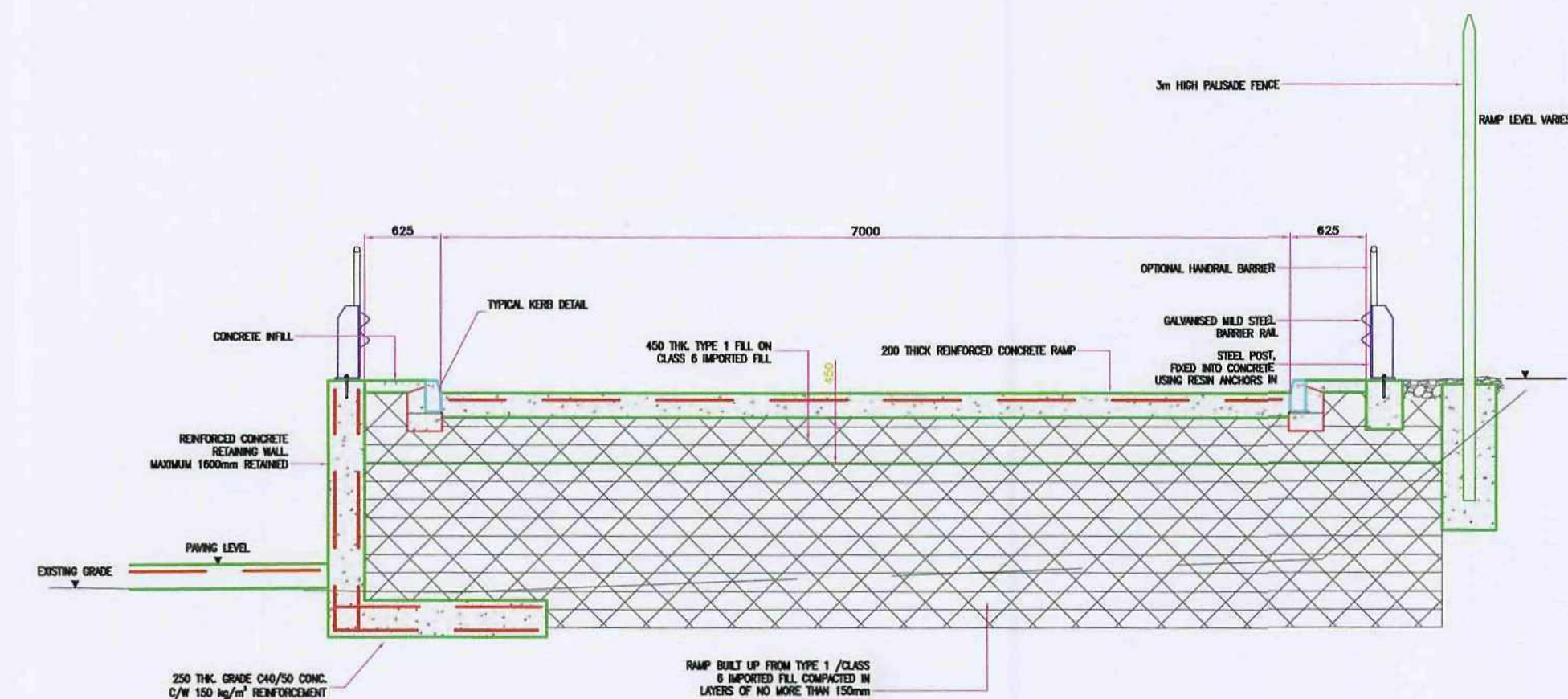
DRAWING NUMBER:	REV:
748/B/002	



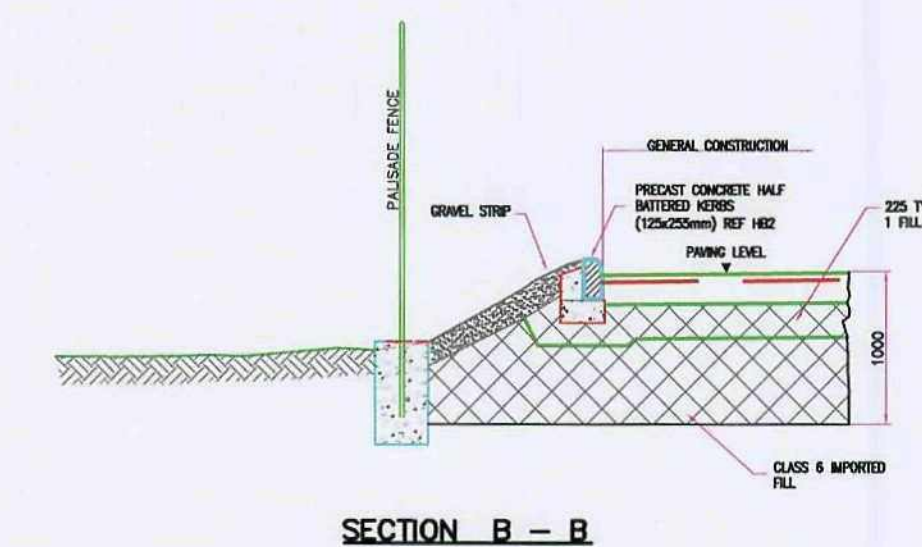
SECTION C - C



SECTION D - D



SECTION A - A (RETAINING WALL)



SECTION B - B

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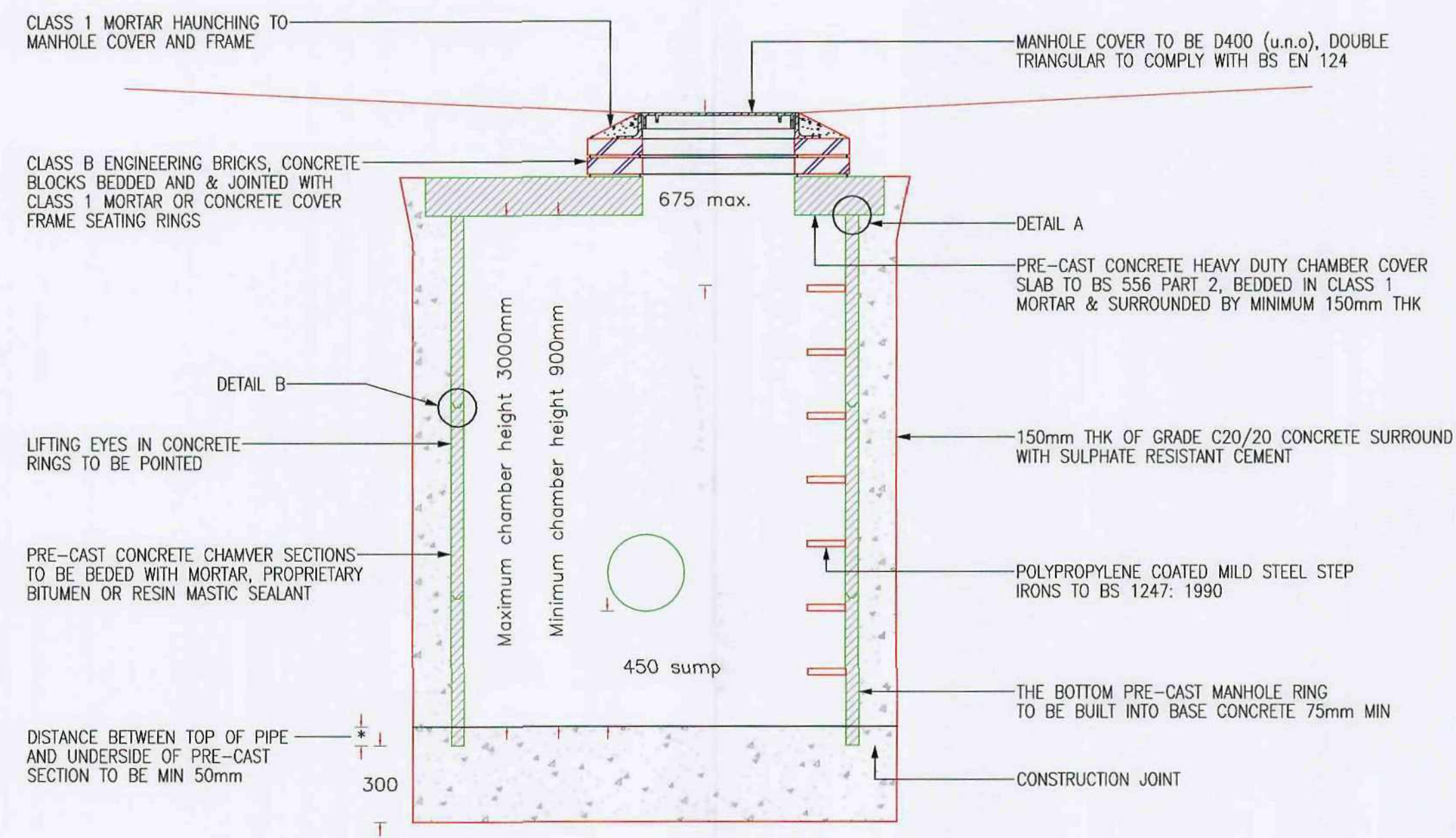
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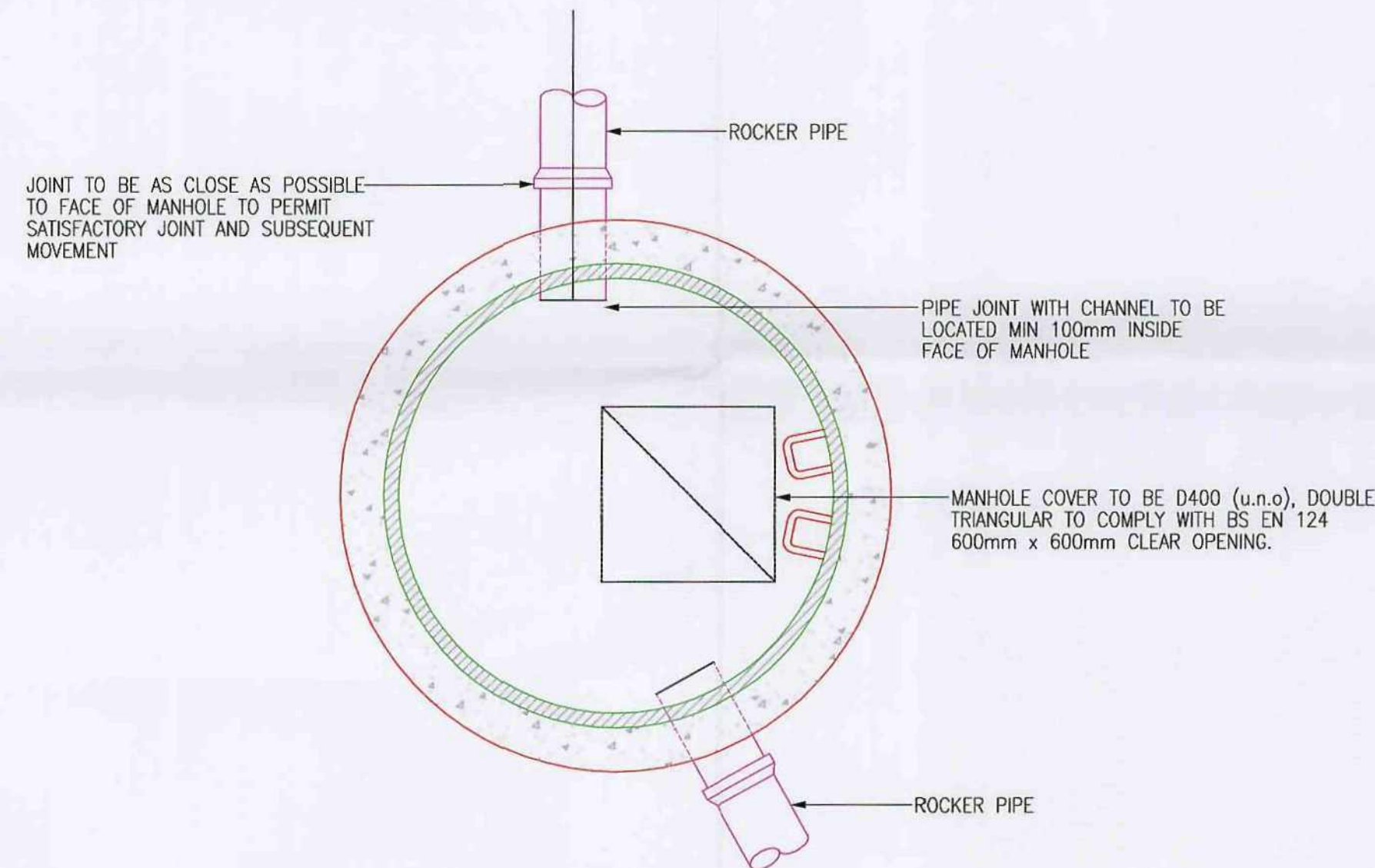
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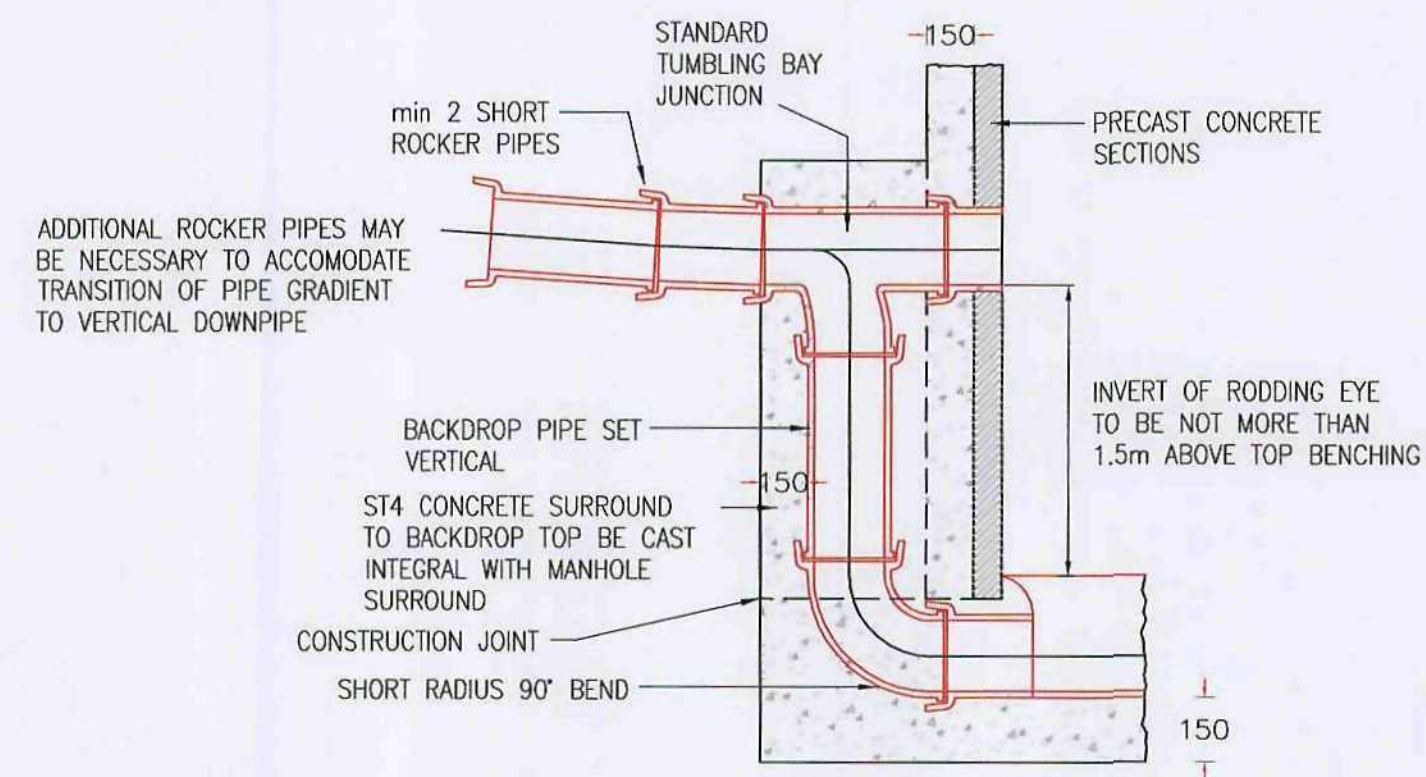
COMPANY:				
Stagecoach Yorkshire				
PROJECT:				
Proposed Parking Area Wakefield Road Depot Barnsley				
DRAWING TITLE:				
Section Details as Proposed				
SCALE:	DATE:	DRAWN BY:	DRAWING NUMBER:	REVISION:
A2@1:50	March 2010	MTD	748/B/003	



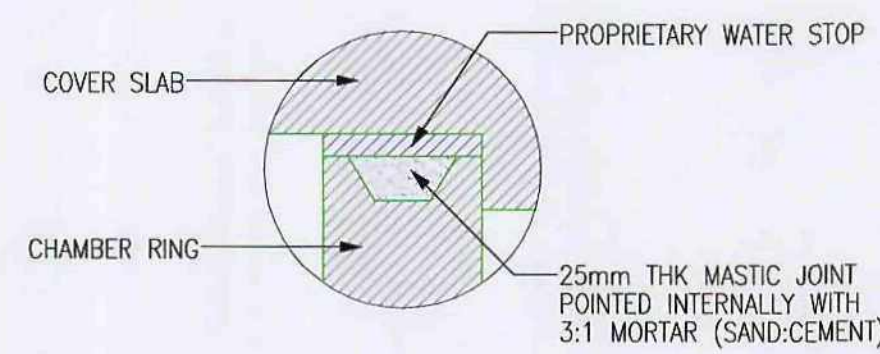
TYPICAL PRE-CAST MANHOLE SECTION CW SILT SUMP
(SCALE 1:20)



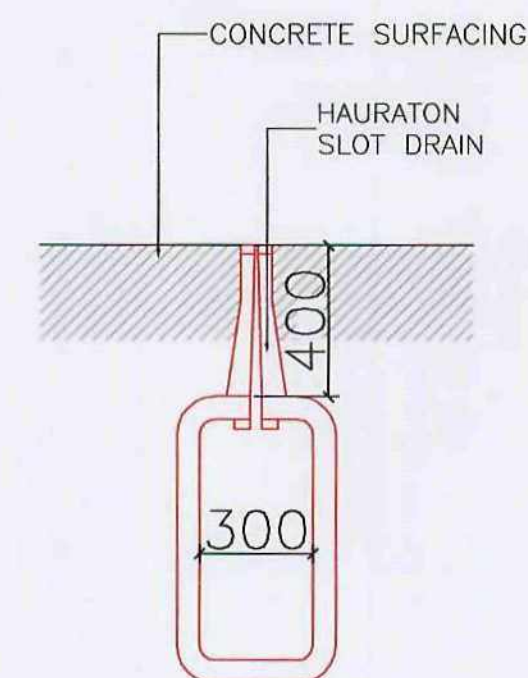
TYPICAL PRE-CAST CONCRETE MANHOLE PLAN
(SCALE 1:20)



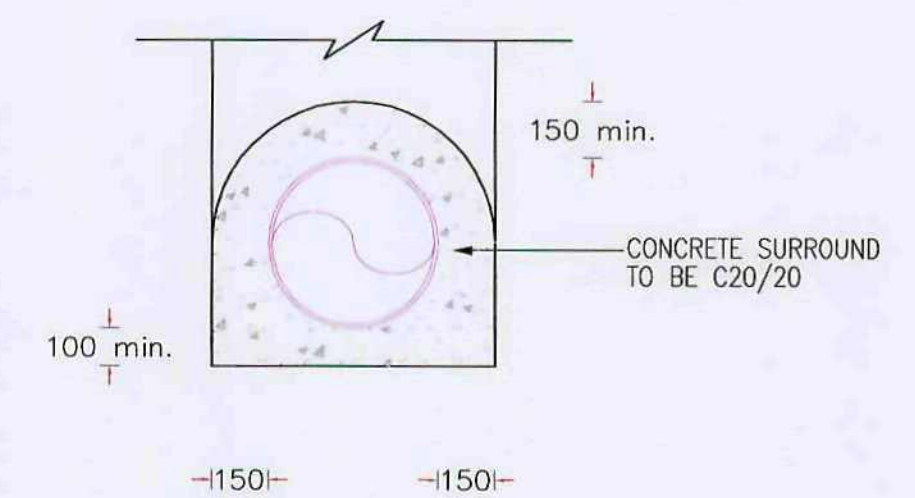
DETAIL A - CHAMBER JOINT
(SCALE 1:20)



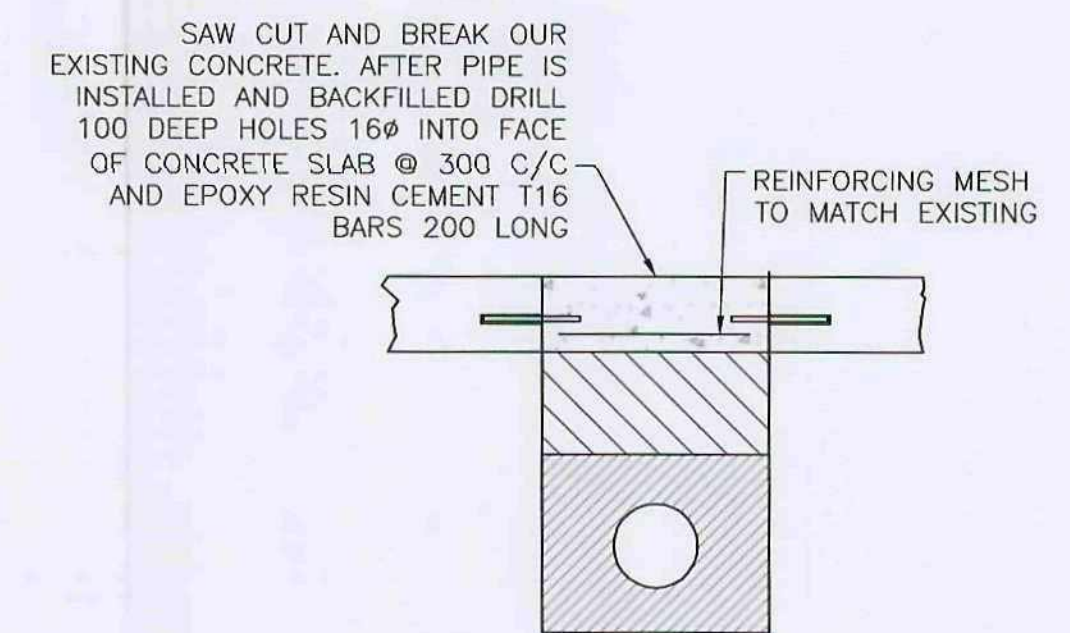
DETAIL B - CHAMBER JOINT
(SCALE 1:20)



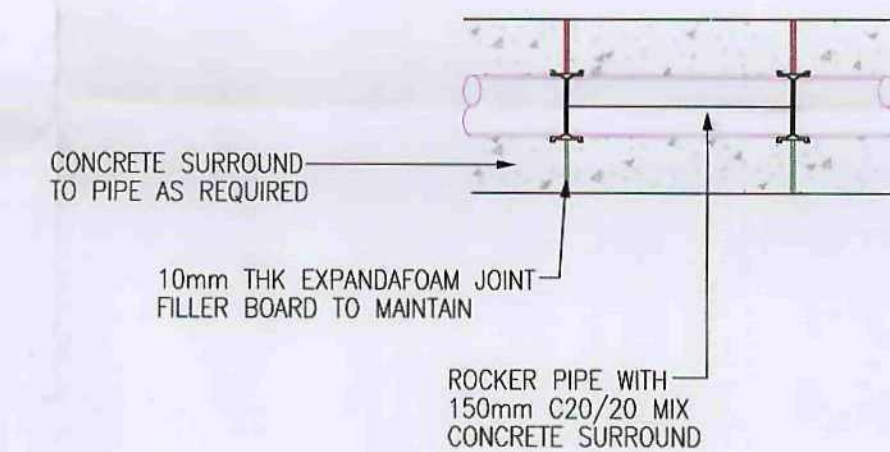
HAURATON SLOT DRAIN
(SCALE 1:20)



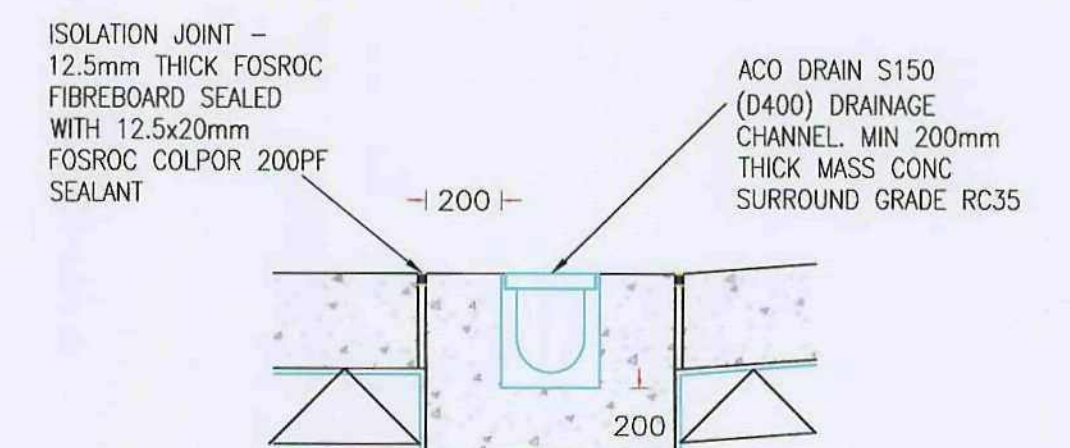
TYPE Z PIPE BEDDING SURROUND
(SCALE 1:20)



FINISHING DETAIL BETWEEN CONCRETE SLABS
(SCALE 1:20)



TYPICAL ROCKER DETAIL
(SCALE 1:20)



ACO DETAIL
(SCALE 1:20)

CLASS	BEDDING DETAILS	
N		PIPE LAID ON A FLAT LAYER OF GRANULAR MATERIAL WITH COMPACTION FRACTION NOT GREATER THAN 0.3
F		PIPE LAID ON A FLAT LAYER OF GRANULAR MATERIAL WITH COMPACTION FRACTION NOT GREATER THAN 0.2 AND AT LEAST 45° OF PIPE PERIMETER SUPPORT
B		PIPE LAID ON GRANULAR MATERIAL TO HALF DIAMETER WITH COMPACTION FRACTION NOT GREATER THAN 0.2
S		PIPE FULLY SURROUNDED BY GRANULAR MATERIAL WITH COMPACTION FRACTION NOT GREATER THAN 0.2
Z		CONCRETE GRADE C20P SURROUND 150mm THICK PLACED IN ONE OPERATION AND FORMED TO RADIUS IN THE EXPANSION JOINTS AT EACH PIPE JOINT (SEE DETAIL)
FLEXIBLE		PIPE SURROUND IN GRANULAR MATERIAL EXCEPT ABOVE THE CROWN WHERE SELECTED FILL MAY BE SUITABLE

STANDARD DETAIL		TRENCH WIDTH		
TITLE	TYPICAL BEDDING DETAILS (GRANULAR MATERIAL & CONCRETE SURROUND)	NOMINAL INTERNAL DIAMETER (mm)	MINIMUM TRENCH WIDTH (mm)	MAXIMUM TRENCH WIDTH (mm)
NOTES				
1. TYPE A MATERIAL SHALL BE COMPACTED OVER THE FULL WIDTH OF THE TRENCH WITH A PLATE VIBRATOR.				
2. TYPE B FILL SHALL BE THOROUGHLY PACKED AND RAMMED BY HAND TAMPING IN LAYERS NOT EXCEEDING 150mm THICK BEFORE COMPACTION.				
3. ALL DEPTH OF MATERIALS ARE MINIMUM COMPACTED DEPTHS AND SHALL EXTEND FOR THE FULL WIDTH OF THE TRENCH.				
4. ANY SOCKETS SHALL BE NOT LESS THAN 50mm ABOVE THE FLOOR OF THE TRENCH.				
5. FOR CONCRETE BED AND SURROUND PIPES SHALL BE LAID ON A PRECAST CONCRETE SETTING BLOCK, TOP FACE OF WHICH SHALL BE COVERED WITH TWO LAYERS OF COMPRESSIBLE PACKING.				
		100	450	550
		150	500	600
		225	600	700
		300	680	750
		375	950	1050
		450	1030	1150
		525	1100	1200
		600	1240	1350
		675	1330	1450
		750	1400	1500
		825	1490	1600
		900	1700	1900
		1050	1850	2050
		1200	2100	2300

KEY	
	GRANULAR MATERIAL
	SELECTED FILL
	GRANULAR MATERIAL OR SELECTED FILL CONTAINING NO STONES LARGER THAN 40mm
NOMINAL BORE OF PIPE (mm)	THICKNESS OF COMPRESSIBLE JOINT FILLER
less than 450	18
450-1200	36
over 1200	54

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NO.	DESCRIPTION						
COMPANY: Stagecoach Yorkshire		SCALE: A1@1:20	DATE: March 2010	DRAWN BY: MTD			
PROJECT: Proposed Parking Area Wakefield Road Depot Barnsley		DRAWING NUMBER: 748/C/002					
DRAWING TITLE: Drainage Details as Proposed		REV: 1					