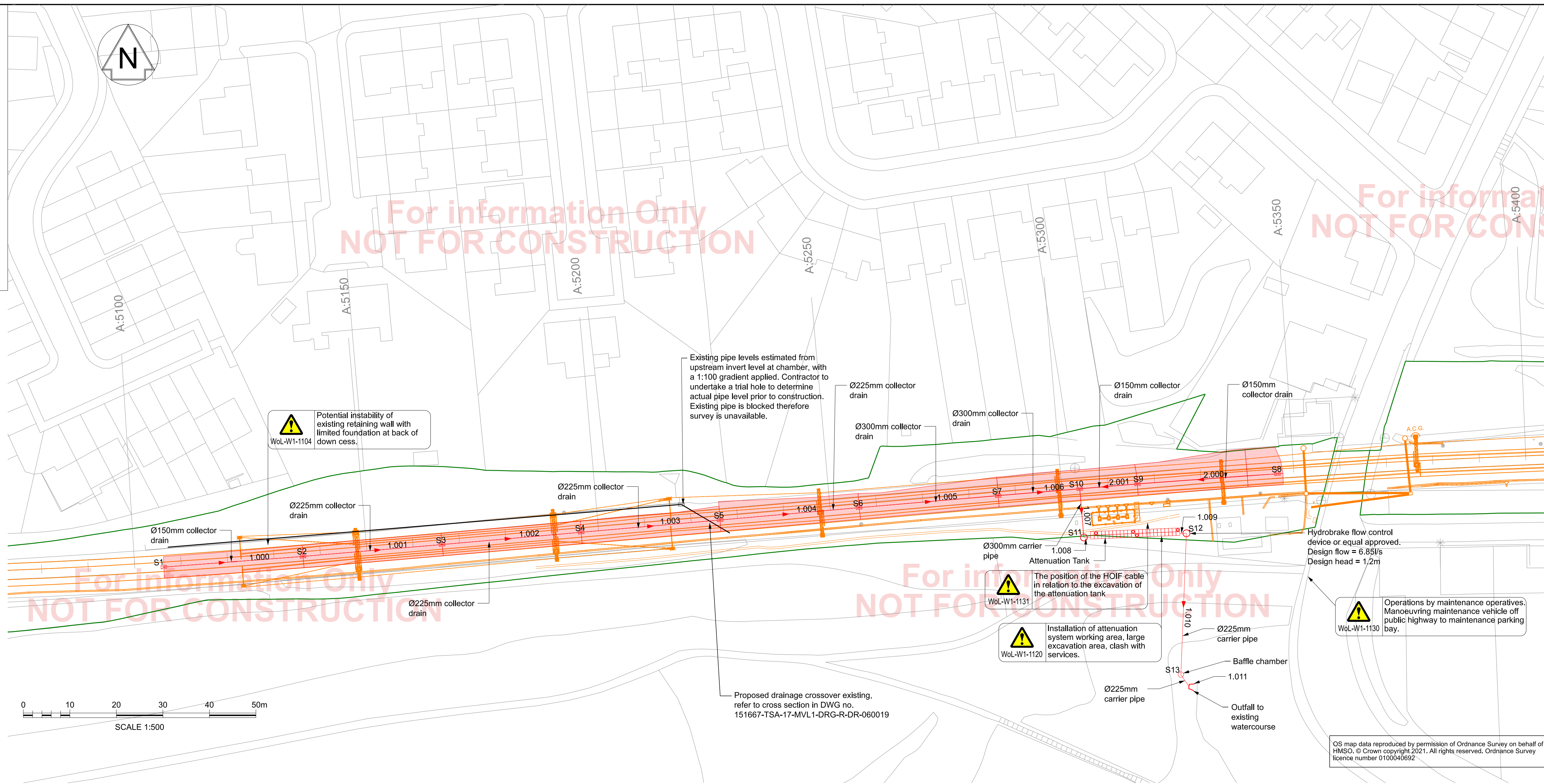
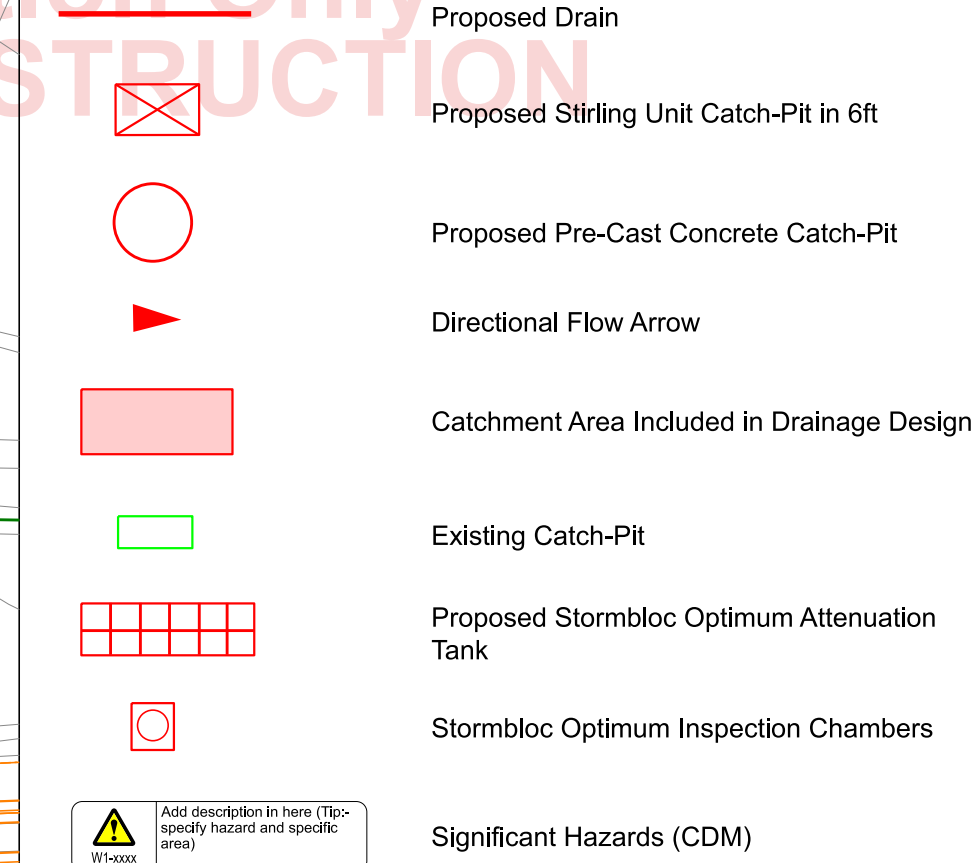




- Legend/Notes
- Notes:
1. Do not scale from this drawing.
 2. All dimensions are in metres (m) unless specified otherwise.
 3. Catch-pits to be located at maximum 30m crs unless stated otherwise.
 4. Collector drains to be minimum 400mm below base of sleeper.
 5. The CDM hazard record is to be read in conjunction with this drawing:
151667-TSA-W1A-MVL1-REG-W-SS-000001 Rev P437.
 6. All drainage infrastructure to be included within track support zone must be approved for use.

Key:



Legend

- Proposed
- To be removed
- To be modified
- Existing
- Ordnance survey data
- Aerial survey data (LIDAR)
- Indicative Network Rail land boundary
- Intervention proposed to create position(s) of safety
- Proposed future works
- Temporary works
- Works by others
- Passive provision

P03	20/01/22	Drawing amended	CB	AW	AW
P04	10/03/22	Drawing amended	AW	AW	AW
B01	25/05/22	Drawing amended	AW	AW	AW
P05	26/05/22	Drawing revised for AFC	CB	AW	AW
Rev	Date	Description of Revisions	Drawn	Chkd	Appr
Status					Suitability
Fit for Information					S2

Status	Suitability
Fit for Information	S2

[illegible]

Authorised		Signed	Date
------------	--	--------	------

Contractor(s)			
---------------	--	--	--

TRU West Alliance

Location _____

MILES PLATTING JN - STALYBRIDGE JN (ASHTON BRANCH)(A17)	
Type	Sub-type

CAD Drawing	General Arrangement	
Role	Sub-Role	

	Rail Engineering	Drainage
Zone		

2016	Miles Platting to Stalybridge	
Planning		Design Stage

Phasing	Proposed	Project Stage	GRIP 5
Project			

INSTRUCTION

Transpennine Route Upgrade

Contract No.
151667

151667

Contract Title
TRU West of Leeds

TRU - West of Leeds

Drawing Title
Cloyton Bridge

Clayton Bridge

Proposed Drainage

General Arrangement

General arrangement

Designed	C.Black	Signed	Date 25/05/22
----------	---------	--------	------------------

Drawn	C.Black	Signed Electronically Signed	Date 25/05/22
-------	---------	---------------------------------	------------------

Checked	A.Walker	Signed Electronically Signed	Date 26/05/22
---------	----------	---------------------------------	------------------

Approved	A. Walker	Signed	Electronically Signed	Date	26/05/22
----------	-----------	--------	-----------------------	------	----------

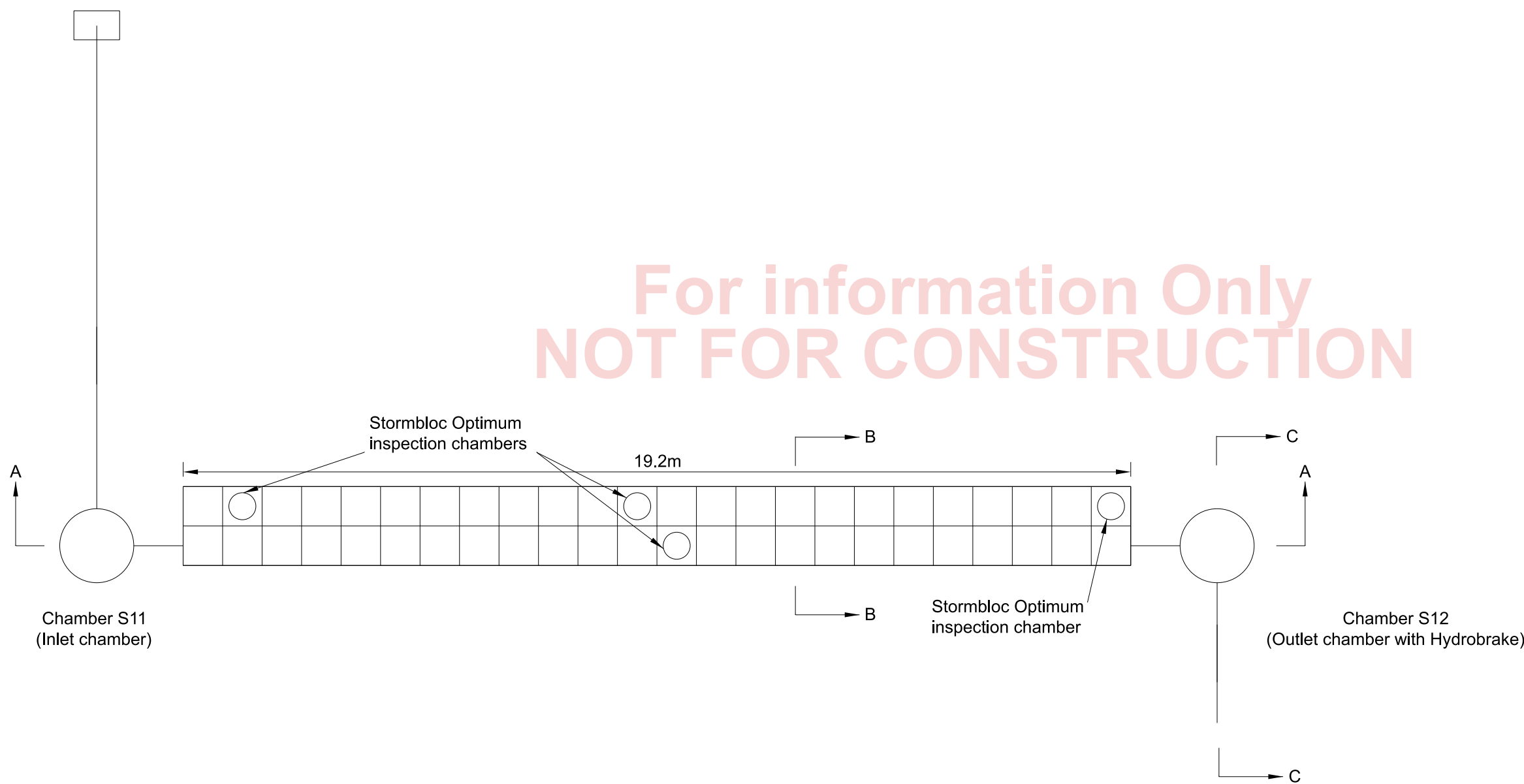
Scale(s)	ELR & Mileage
----------	---------------

1:500	1.0663	to	7.1013
-------	--------	----	--------

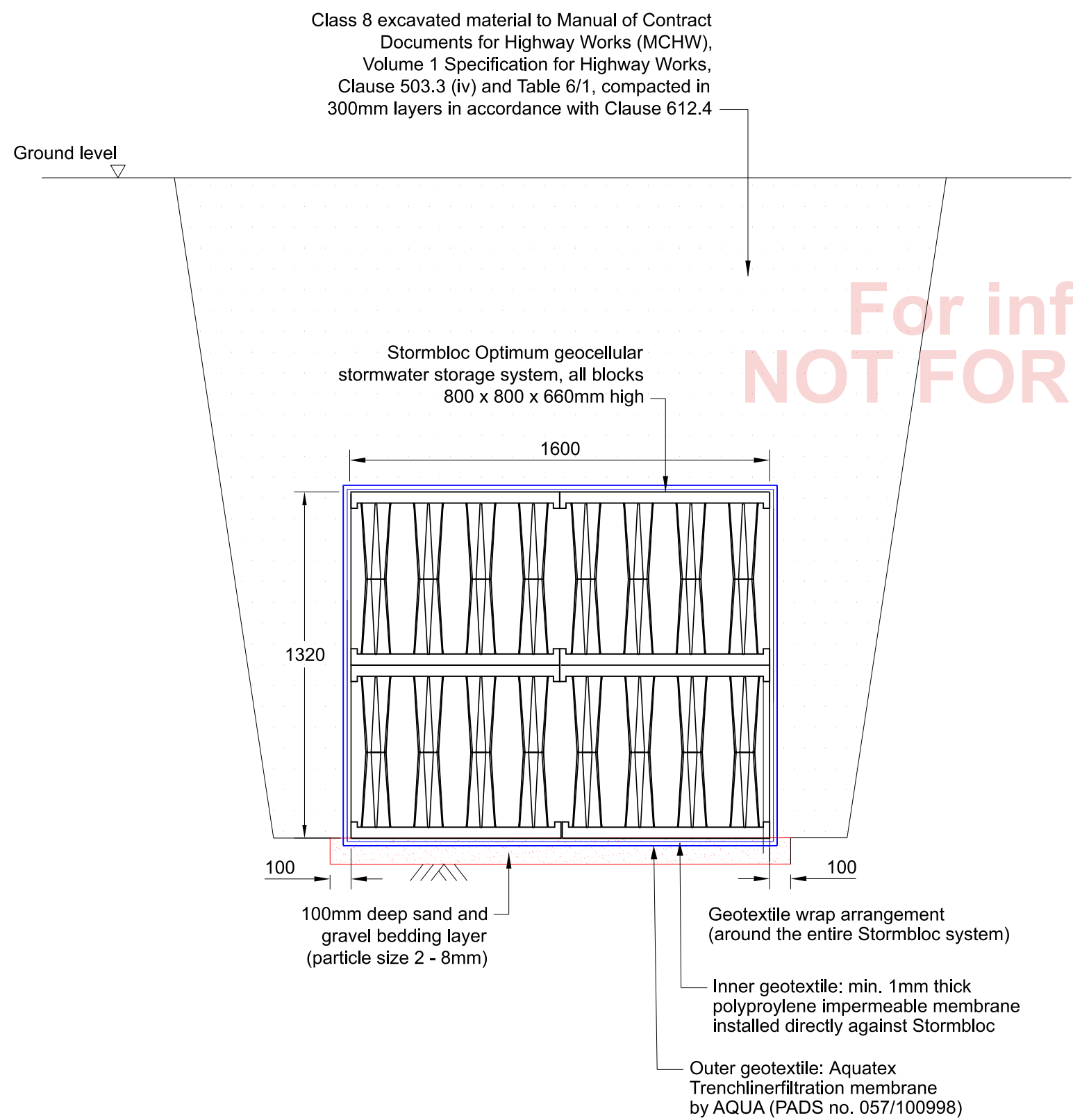
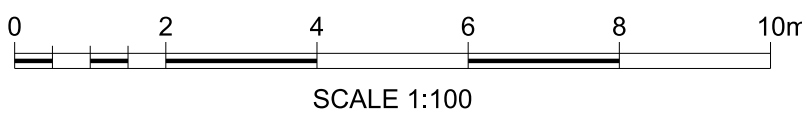
Alternative Reference Sheet 1 of 1

Drawing Number	Revision
----------------	----------

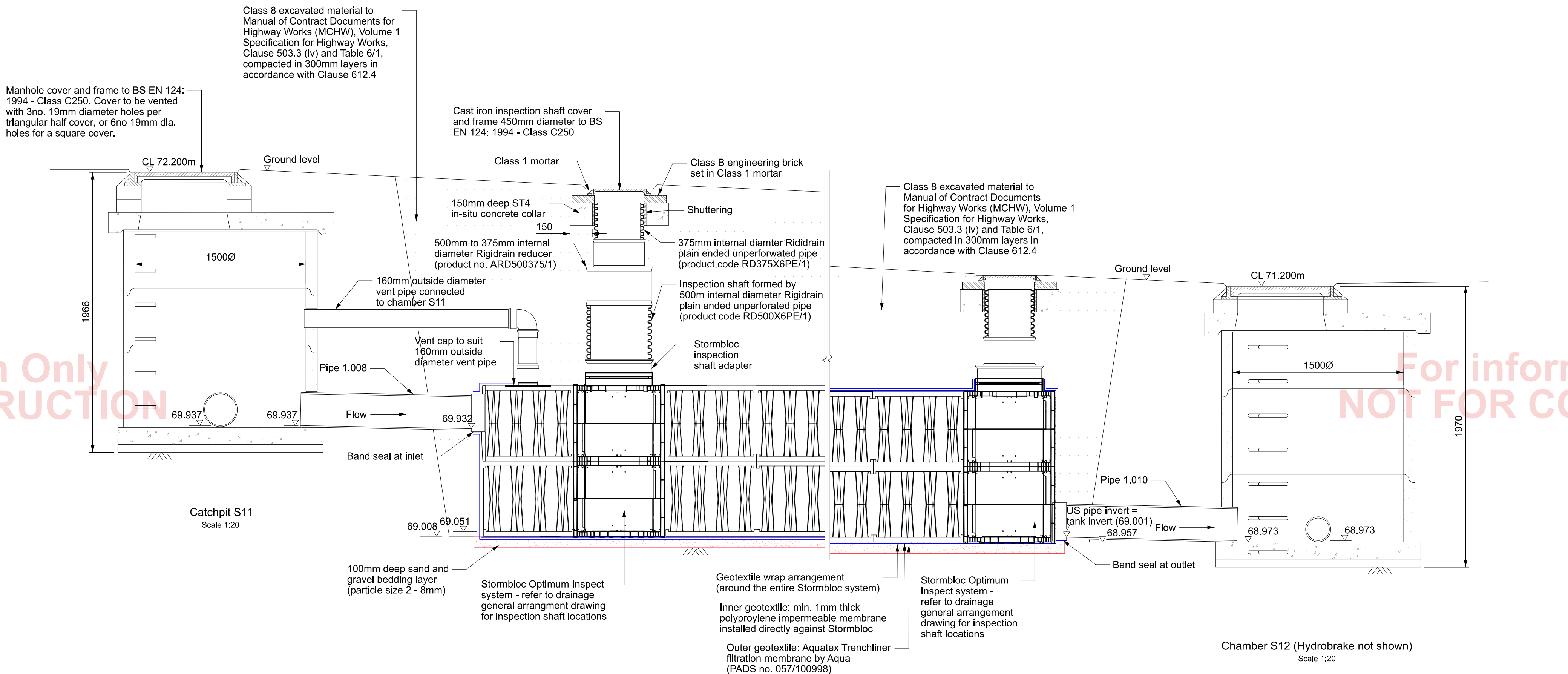
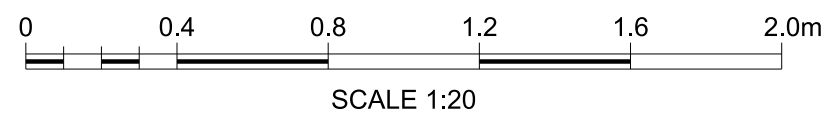
151667-TSA-17-MVL1-DRG-R-DR-060019	P05
------------------------------------	-----



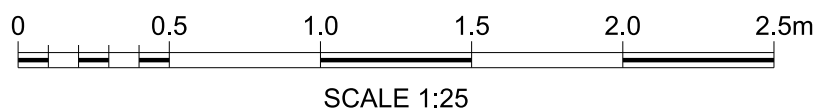
Plan View of Attenuation Tank
Scale 1:100



Cross Section B-B
Through Attenuation Tank
Scale 1:20



Cross Section A-A
Through Attenuation Tank
Scale 1:25



- Legend/Notes
- Notes:
1. Do not scale from this drawing.
 2. All dimensions are in metres (m) unless specified otherwise.
 3. Catch-pits to be located at maximum 30m crs unless stated otherwise.
 4. Collector drains to be minimum 400mm below base of sleeper.
 5. Drainage survey still to be complete. Extent and depth will be determined following completion of existing drainage survey.
 6. All drainage infrastructure to be included within track support zone must be approved for use.
 7. StormBloc Optimum tank to be installed as per drawing details and as per Hydro International installation guide.

P03	16/12/21	Drawing Amended	CB	AW	AW
P04	08/03/22	Details amended	CB	AW	AW
B01	25/05/22	Details amended	CB	AW	AW
P05	26/05/22	Revised for AFC	CB	AW	
Rev	Date	Description of Revisions	Drawn	Chkd	Appr
Status					Suitability

Fit for Coordination

S1



Authorised _____ Signed _____ Date _____

Contractor(s) _____

TRU West Alliance

Location MILES PLATTING JN - STALYBRIDGE JN (ASHTON BRANCH)(A17)

Type CAD Drawing Sub-type Detail

Role Rail Engineering Sub-Role Drainage

Zone Miles Platting to Stalybridge

Phasing Proposed Project Stage GRIP 5

Project

Transpennine Route Upgrade

Contract No. 151667

Contract Title TRU - West of Leeds

Drawing Title Clayton Bridge Drainage Standard Details Sheet 2 of 5

Designed C.Black Signed _____ Date 25/05/22

Drawn C.Black Signed _____ Date 25/05/22

Checked A.Walker Signed _____ Date 26/05/22

Approved _____ Signed _____ Date _____

Scale(s) NTS ELR & Mileage 1.0663 to 7.1013

Alternative Reference _____ Sheet 1 of 1

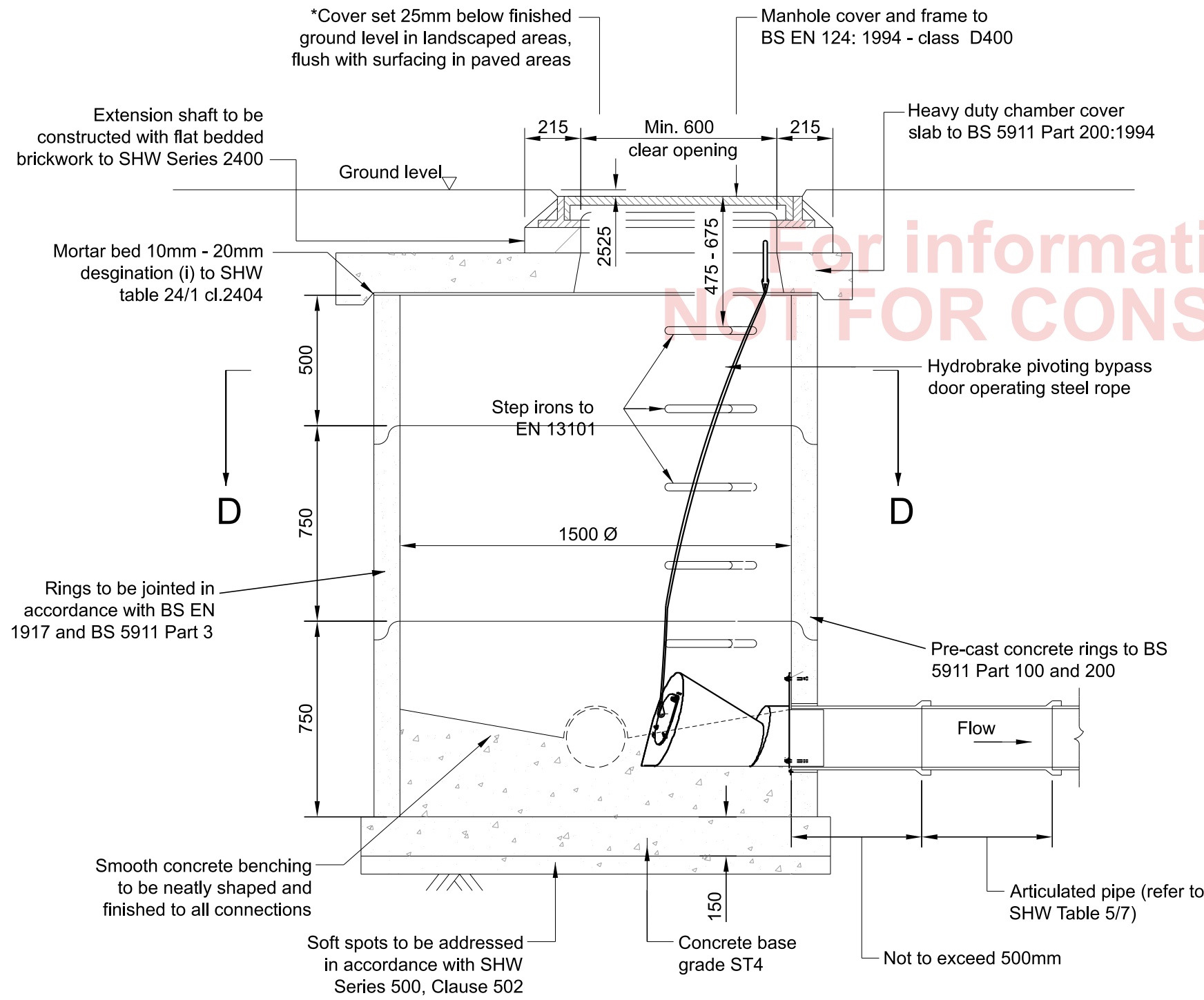
Drawing Number 151667-TSA-17-MVL1-DRG-R-DR-060023 Revision P05

NOT FOR CONSTRUCTION

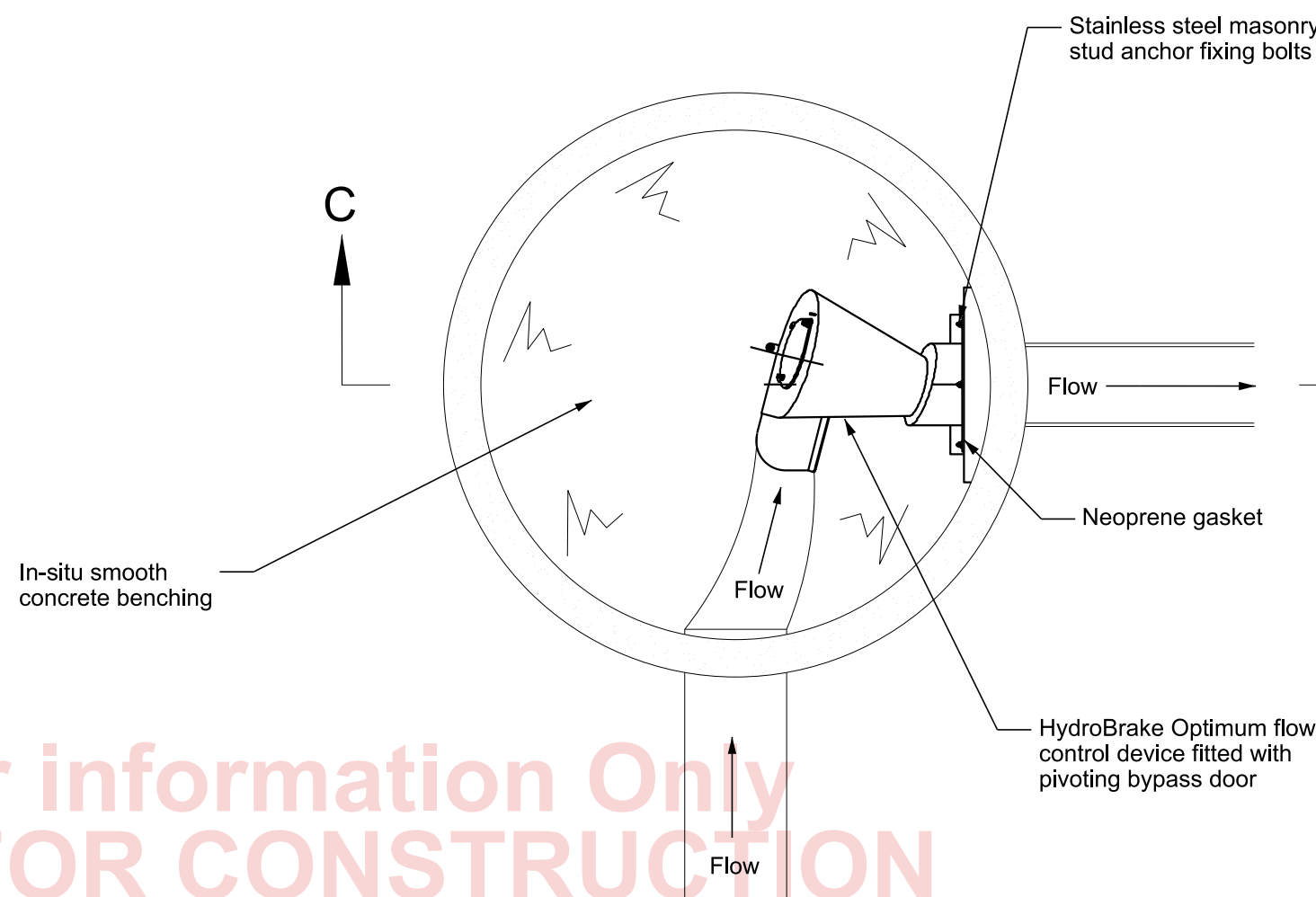
For information Only

Drawing Number

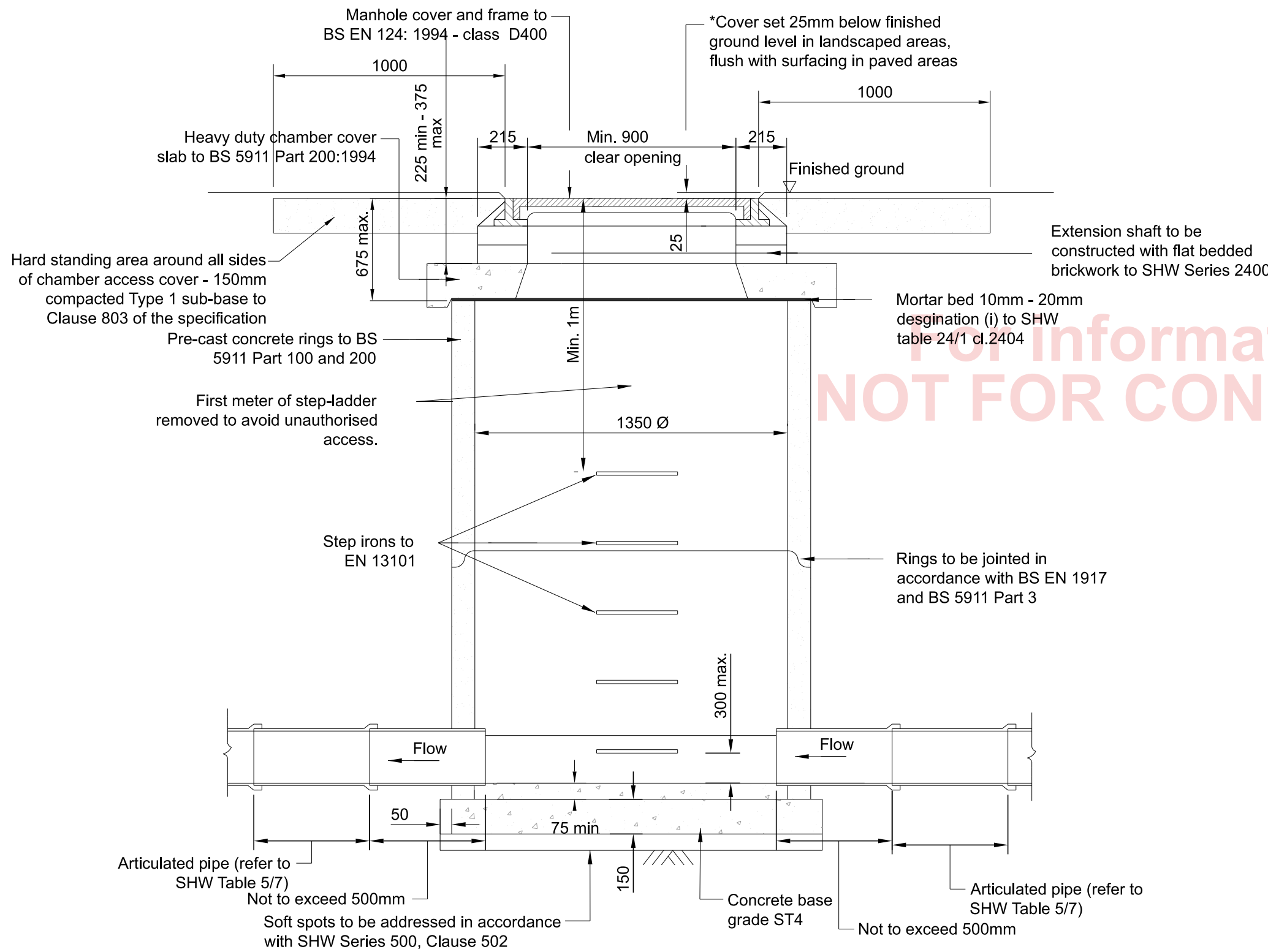
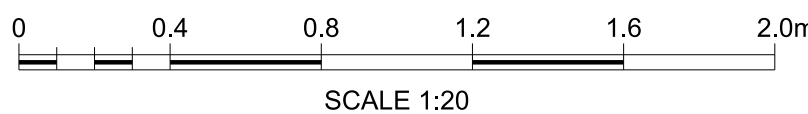
151667-TSA-17-MVL1-DRG-R-DR-060026 P08



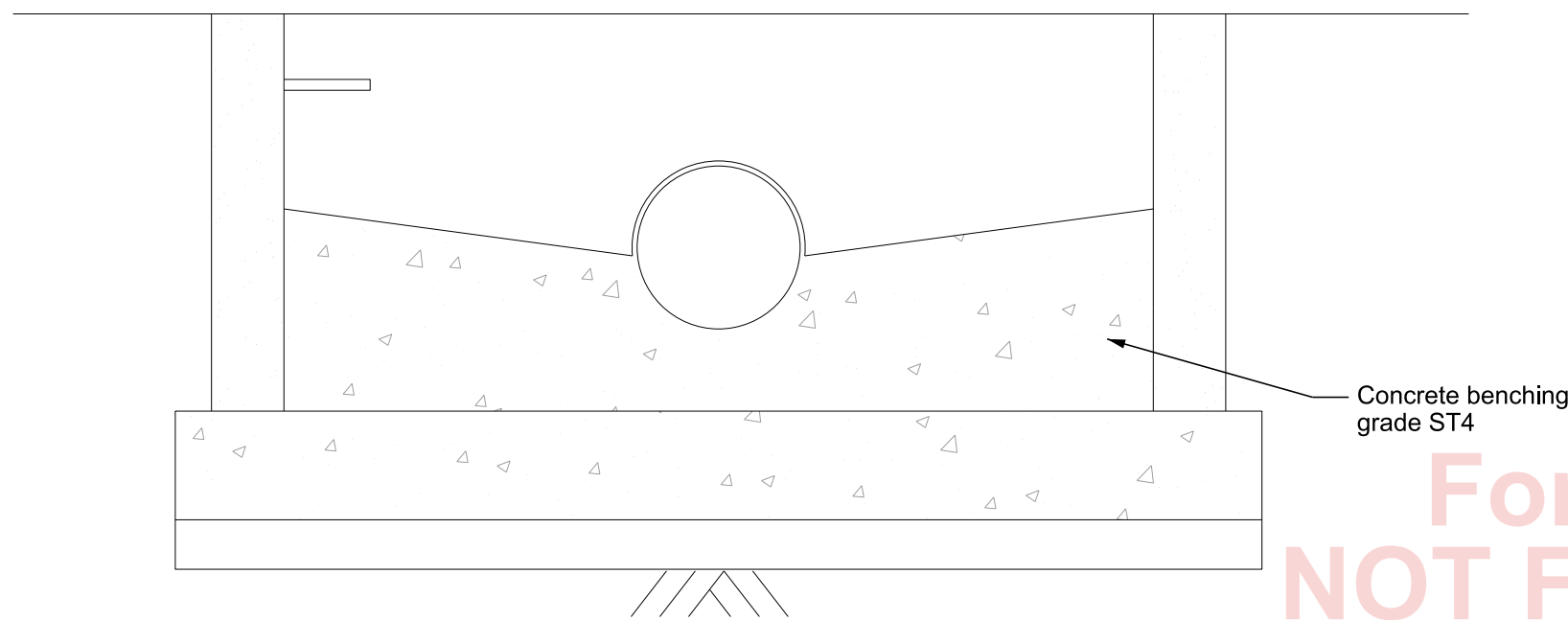
Section C-C Through
HydroBrake Chamber
Scale 1:20



Section D-D Through
HydroBrake Chamber
Scale 1:20



Pre-cast Concrete
Catch-pit Detail
Scale 1:20



Pre-cast Concrete Catch-pit
Side view
Scale 1:10

- Legend/Notes
- Notes:
1. All dimensions and chainages are in meters unless otherwise stated.
 2. This drawing is to be read in conjunction with the Specification for Highway Works (SHW) Appendix 5/1.
 3. The minimum or maximum width of the trench applies on and below a line 300mm above the outside top of the pipe. Above the 300mm line the trench backfill material shall be as described in SHW Clause 505.
 4. The concrete bed or surround may extend to the sides of the trench or be of minimum width. Class 8 material is to be used to fill any voids so formed.
 5. For Type Z trench the concrete cover may be formed to a radius, batter or horizontal surface. The minimum cover of concrete shall be 150mm.
 6. Pipes shall comply with the requirements for carrier pipes in Table 5/1 of the SHW.
 7. Catchpits are to be constructed in precast concrete BS 5911-3 and BS EN 1917.
 8. Mortar designation (i) to Specification for Highway Works (SHW) Series 2400.
 9. Grade ST1 concrete backfill used where mechanical compaction is impracticable.
 10. For details of chamber safety chain and ladder refer to HCD F10.
 11. Pipes and joints adjacent to chambers to be in accordance with SHW Cl 507.17.
 12. Step irons/ladders to face oncoming traffic where pipe arrangements allow. Where this is impractical, step irons/ladders to be located at the furthest possible point from the carriageway.
 13. Pipes to be built into the chamber with mortar.
 14. Brickwork shall be flat bedded (mortar thickness 10mm to 25mm). (as indicated in the Contract Documents).
 15. Corbelling to brickwork (if necessary) shall be 25mm maximum.
 16. Levelling brickwork depth shall be a multiple of 75mm.
 17. 150mm min. grade ST1 concrete surround to sump and locally under pipes up to 150mm above outfall pipe invert. Alternatively, a 150mm min. grade ST4 in-situ concrete sump may be used in lieu of precast concrete chamber rings.
 18. Precast concrete chamber rings to be bedded in mortar on an in-situ ST4 concrete base slab 300mm greater in diameter than the internal diameter of chamber rings.
 19. Carrier drains to be formed of unperforated HDPE Structured Wall pipes to BS EN 13476-1 2018 - Ridgidrain by Polypipe Civils or equal approved.
 20. For details of hinged grating refer to HCD F9.
 21. For filter drains only, a 65mm diameter 600mm long pipe to be provided at all incoming pipes and built in to the catchpit to drain the lower part of the filter trench.

P06	b8/03/22	Details amended	CB	AW	AW
P07	17/03/22	Detail amended	CB	AW	AW
B01	25/05/22	Detail amended	CB	AW	AW
P08	26/05/22	Revised for AFC	CB	AW	AW

Rev	Date	Description of Revisions	Drawn	Chkd	Appr
Status					Suitability

Fit for Information

S2



Authorised _____ Signed _____ Date _____

Contractor(s) _____

TRU West Alliance

Location MILES PLATTING JN - STALYBRIDGE JN (ASHTON BRANCH)(A17)

Type CAD Drawing Sub-type Detail

Role Rail Engineering Sub-Role Drainage

Zone Miles Platting to Stalybridge

Phasing Proposed Project Stage GRIP 5

Project

Transpennine Route Upgrade

Contract No. 151667

Contract Title TRU - West of Leeds

Drawing Title Clayton Bridge Drainage

Standard Details Sheet 3 of 5

Designed	C.Black	Signed	25/05/22
Drawn	C.Black	Signed Electronically Signed	25/05/22
Checked	A.Walker	Signed Electronically Signed	26/05/22
Approved	A.Walker	Signed Electronically Signed	26/05/22

Scale(s) As Shown 1.0663 to 7.1013

Alternative Reference Sheet 1 of 1

Drawing Number 151667-TSA-17-MVL1-DRG-R-DR-060026 P08