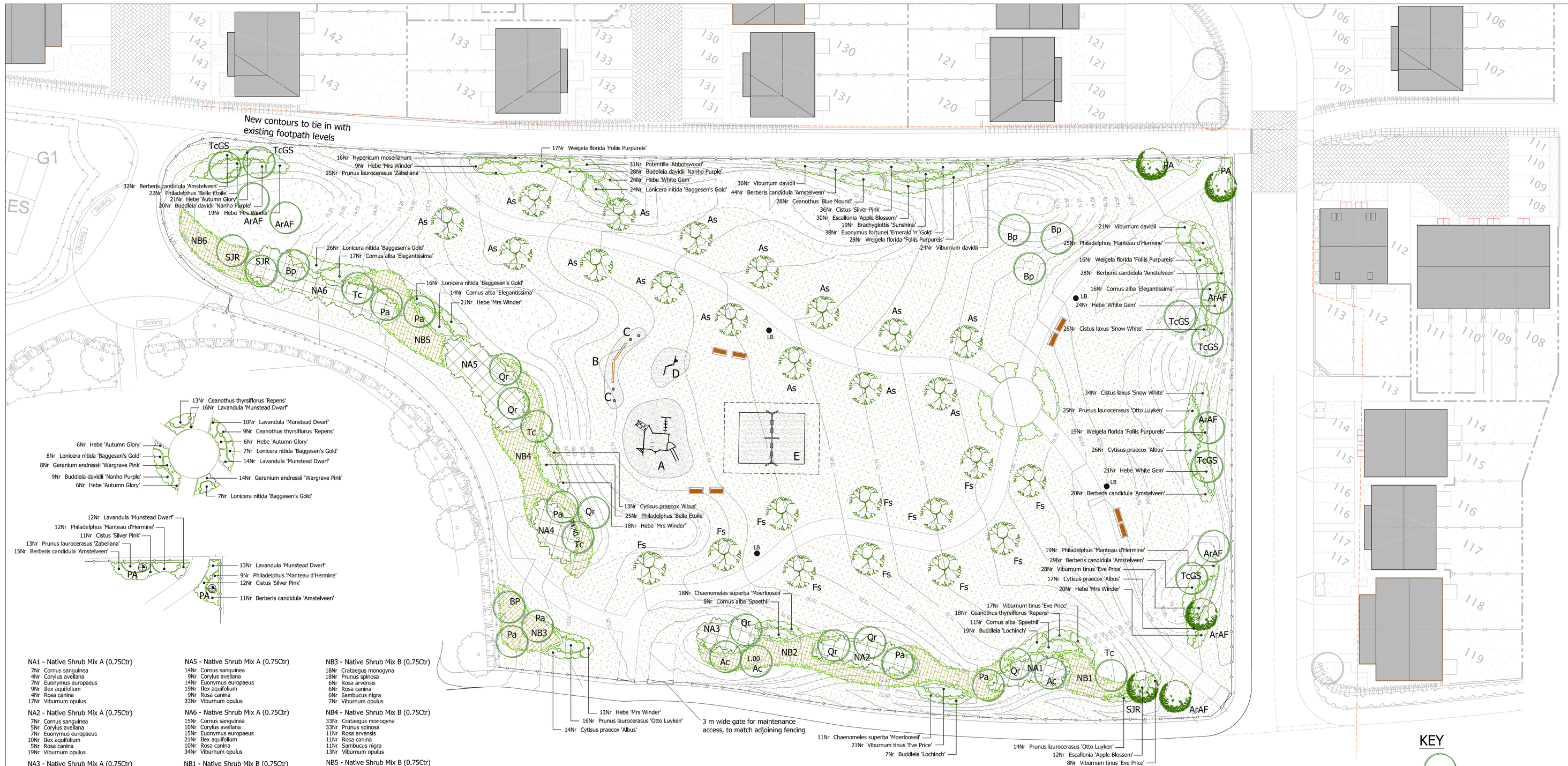

PLANTING SCHEDULES

SHRUB SCHEDULE

Nr	Plant Name	Ht in cm	Pot (L)	Density
179	Berberis candidula 'Amstelveen'	25-30cm	3L	5.00
19	Brachyglottis 'Sunshine'	30-40cm	3L	4.00
26	Buddleia 'Lochinch'	40-60cm	3L	3.00
57	Buddleia davidii 'Nanho Purple'	40-60cm	3L	4.00
28	Ceanothus 'Blue Mound'	30-40cm (D)	3L	4.00
40	Ceanothus thyrsiflorus 'Repens'	30-40cm (D)	3L	5.00
29	Chaenomeles superba 'Moerlooseii'	40-60cm	3L	4.00
59	Cistus 'Silver Pink'	30-40cm	3L	5.00
60	Cistus laxus 'Snow White'	20-30cm	3L	5.00
47	Cornus alba 'Elegantissima'	60-80cm	3L	2.00
19	Cornus alba 'Spaethii'	60-80cm	3L	2.00
70	Cytisus praecox 'Albus'	40-60cm	3L	4.00
42	Escallonia 'Apple Blossom'	30-40cm	3L	4.00
38	Euonymus fortunei 'Emerald 'n' Gold'	20-30cm (D)	3L	6.00
22	Geranium endressii 'Wargrave Pink'		3L	6.00
39	Hebe 'Autumn Glory'	20-30cm	3L	4.00
100	Hebe 'Mrs Winder'	30-40cm	3L	4.00
69	Hebe 'White Gem'	30-40cm	3L	4.00
16	Hypericum moserianum	30-40cm	3L	5.00
65	Lavandula 'Munstead Dwarf'	20-30cm	3L	6.00
88	Lonicera nitida 'Baggesen's Gold'	30-40cm	3L	4.00
47	Philadelphus 'Belle Etoile'	30-40cm	3L	3.00
65	Philadelphus 'Manteau d'Hermine'	30-40cm	3L	4.00
31	Potentilla 'Abbotswood'	25-30cm (D)	3L	5.00
55	Prunus laurocerasus 'Otto Luyken'	30-40cm	3L	4.00
38	Prunus laurocerasus 'Zabeliana'	30-40cm (D)	3L	4.00
81	Viburnum davidii	20-30cm	3L	5.00
74	Viburnum tinus 'Eve Price'	30-40cm	3L	4.00
80	Weigela florida 'Follis Purpureis'	30-40cm	3L	4.00

All shrub material shall be first quality, sturdy, well rooted non-refridgerated stock with well branched heads and fibrous root systems. Shrubs shall be planted into 450mm good quality fibrous topsoil incorporating organic compost and slow release fertiliser in accordance with all good horticultural practice.
All plant material shall be a minimum of 3L pot size unless otherwise specified and conform to BS3936 Part 1 and BS 4428. Finished beds shall be lightly forked over and dressed with 50mm coarse forest bark mulch.

TREE SCHEDULE

SPECIES		NUMBERS REQUIRED		
	Ht in m	2.5-3.0	3.5-4.25	4.0-6.0
	Girth in cm	8-10	12-14	14-16
Acer campestre (Ac)		3	0	0
Acer rubrum 'Autumn Fire' (ArAF)		5	0	2
Acer saccharinum (As)		0	15	0
Betula pendula (Bp)		5	0	0
Fagus sylvatica (Fs)		0	11	0
Prunus 'Accolade' (PA)		0	0	2
Prunus avium (Pa)		7	0	0
Quercus robur (Qr)		7	0	0
Sorbus 'Joseph Rock' (SJR)		2	0	1
Tillia cordata (Tc)		4	0	0
Tillia cordata 'Greenspire' (TcGS)		6	0	0

All trees to have clear stems to 1.8m above ground level and 2.0m above ground level for extra heavy standard trees with well developed branching heads with a single, central leader and healthy, fibrous root systems.
Trees shall be planted into pits of an appropriate size to accommodate the root system without restriction, backfilled with a 3:1 topsoil:compost mix and shall be secured to a machine rounded stake using 1 no. tree tie with rubber spacer. Finished height of stake shall not exceed 1/3 height of staked tree above ground. Foundation design of new buildings shall accommodate proposed tree planting in accordance with NHBC guidelines.

NATIVE SPECIES PLANTING

Nr	Plant Name	Height/cm	Root
54	Cornus sanguinea	40-60cm	C
35	Corylus avellana	40-60cm	B
147	Crataegus monogyna	40-60cm	B
54	Euonymus europaeus	40-60cm	C
74	Ilex aquifolium	40-60cm	C
147	Prunus spinosa	60-80cm	B
48	Rosa arvensis	40-60cm	B
83	Rosa canina	40-60cm	B
48	Sambucus nigra	60-80cm	B
195	Viburnum opulus	40-60cm	B

All plant material shall conform to BS3936 Parts 1and 4 and BS 4428.
Topsoil to comply with BS3882, 1994.
Organic matter to be proprietary shrub planting compost, or approved compost derived from recycled organic matter. Slow release fertiliser to be 'Ennmag' or similar.
450mm depth subsoil to be spread over area to be planted. Transplants to be notch planted into prepared ground.
Planted at 750mm centres (3/m²) in staggered rows in species groups of 3, 9 15. Rosa arvensis and Viburnum opulus to be planted towards the front of the planting beds.

GRASS SEEDING

LOW MAINTENANCE GRASS MIX

100mm depth of topsoil complying with BS3882 to be spread to area.
Pre-seed fertiliser to be applied at 50gm/m². Soil to be cultivated using a rotovator, to 50mm depth then further cultivated and rolled to produce a firm seed bed.
Low maintenance grass seed mix such as British Seed Houses A22 mix to be sown at 35gm/m2.

WILDFLOWER MIX

Although the wildflower mix is to be sown into a low fertility subsoil it is important that the subsoil is of a good quality, free draining and free from building rubble, stone and all noxious weed.
Subsoil to be cultivated using a rotovator, to 30mm depth then further cultivated and rolled to produce a firm seed bed.
The areas specified are to be sown with Emorsgate EN1 seed mix which can be obtained from Emorsgate seed suppliers (Tel: 01553 829028).

NA1 - Native Shrub Mix A (0.75Ctr)
7Nr Cornus sanguinea
4Nr Corylus avellana
7Nr Euonymus europaeus
9Nr Ilex aquifolium
4Nr Rosa canina
17Nr Viburnum opulus

NA2 - Native Shrub Mix A (0.75Ctr)
7Nr Cornus sanguinea
5Nr Corylus avellana
7Nr Euonymus europaeus
10Nr Ilex aquifolium
5Nr Rosa canina
15Nr Viburnum opulus

NA3 - Native Shrub Mix A (0.75Ctr)
5Nr Cornus sanguinea
3Nr Corylus avellana
5Nr Euonymus europaeus
7Nr Ilex aquifolium
3Nr Rosa canina
13Nr Viburnum opulus

NA4 - Native Shrub Mix A (0.75Ctr)
6Nr Cornus sanguinea
4Nr Corylus avellana
6Nr Euonymus europaeus
8Nr Ilex aquifolium
4Nr Rosa canina
15Nr Viburnum opulus

NA5 - Native Shrub Mix A (0.75Ctr)
14Nr Cornus sanguinea
9Nr Corylus avellana
14Nr Euonymus europaeus
19Nr Ilex aquifolium
9Nr Rosa canina
33Nr Viburnum opulus

NA6 - Native Shrub Mix A (0.75Ctr)
15Nr Cornus sanguinea
10Nr Corylus avellana
15Nr Euonymus europaeus
21Nr Ilex aquifolium
10Nr Rosa canina
34Nr Viburnum opulus

NB1 - Native Shrub Mix B (0.75Ctr)
12Nr Crataegus monogyna
12Nr Prunus spinosa
4Nr Rosa arvensis
4Nr Rosa canina
4Nr Sambucus nigra
5Nr Viburnum opulus

NB2 - Native Shrub Mix B (0.75Ctr)
47Nr Crataegus monogyna
47Nr Prunus spinosa
15Nr Rosa arvensis
15Nr Rosa canina
15Nr Sambucus nigra
20Nr Viburnum opulus

NB3 - Native Shrub Mix B (0.75Ctr)
18Nr Crataegus monogyna
18Nr Prunus spinosa
6Nr Rosa arvensis
6Nr Rosa canina
6Nr Sambucus nigra
7Nr Viburnum opulus

NB4 - Native Shrub Mix B (0.75Ctr)
33Nr Crataegus monogyna
33Nr Prunus spinosa
11Nr Rosa arvensis
11Nr Rosa canina
11Nr Sambucus nigra
13Nr Viburnum opulus

NB5 - Native Shrub Mix B (0.75Ctr)
21Nr Crataegus monogyna
21Nr Prunus spinosa
7Nr Rosa arvensis
7Nr Rosa canina
7Nr Sambucus nigra
10Nr Viburnum opulus

NB6 - Native Shrub Mix B (0.75Ctr)
16Nr Crataegus monogyna
16Nr Prunus spinosa
5Nr Rosa arvensis
5Nr Rosa canina
5Nr Sambucus nigra
9Nr Viburnum opulus

KEY

Proposed standard tree (8-10cm girth)
Proposed heavy standard tree (12-14cm girth)
Proposed extra heavy standard tree (14-16cm girth)
Proposed ornamental shrub & herbaceous perennial planting
Proposed native species mix
Proposed native species edge mix
Proposed low maintenance amenity grass seed
Proposed wildflower grass seed mix
Proposed tarmac surfacing (black)
Proposed 1000mm high flat top, vertical bar, metal railing
Proposed pedestrian gates
Proposed vehicle gate
Proposed grass matting
LB Proposed litter bin

GENERAL POS PROPOSALS

The POS has been designed to provide an informal area of green space which provides for both passive and active recreation, incorporating informal landscaped areas and play area designed to LEAP standards.

Extensive native tree and shrub planting to the southern and western boundaries will provide an effective screen to conceal the proposed supermarket, car park and petrol station. The northern and eastern boundaries of the POS, which adjoin the residential areas will be planted with drifts of ornamental shrub planting, designed to provide an attractive edge and to keep views open.

EARTH MOUNDING

Significant earth mounding is proposed throughout the open space. The mounds will be concentrated along the boundaries of the POS. The mounds are to be undulating with maximum gradients of 1 in 3.

SOFT LANDSCAPING

TREE PLANTING

Extensive tree planting is proposed, generally concentrated along the southern and western boundaries in key locations to provide screening of the adjacent development whilst leaving view lines along footpaths clear. Avenue style tree planting will be located along the footpaths, which will provide shade and shelter. Species will be predominantly native parkland type trees with more ornamental cultivars used along the boundaries close to the proposed housing.

NATIVE STRUCTURE PLANTING

It is proposed that native tree and shrub planting be used to provide a buffer with the retail development to the south and west of the site and generally create a sense of a safe, enclosed space from within, separating the POS from the infrastructure beyond. The buffer planting will be a mosaic of tall and low growing native species with more ornamental planting to edges.

ORNAMENTAL SHRUB PLANTING

It is proposed to concentrate ornamental shrub planting around focal points, entrances to the POS and to the residential boundaries. Planting will be of robust species, chosen for all year round colour and scent interest.

GRASSLAND

It is proposed that the majority of grass areas within the POS be sown with a hard wearing amenity grass seed mix, suitable for providing areas for informal play and passive recreation. Areas of longer more ornamental grass will be located on and near the earth mounds, which near the native planting will increase biodiversity and provide a pleasant transition with shrubby planting.

PLAY AREA SCHEDULE AND NOTES

A. Sutcliffe: Two in one climber PZW229
- Set into grass matting surfacing

B. Sutcliffe: 2 x Balance Walk
- Set into grass matting surfacing

C. Sutcliffe: 4 x stepping pods DZA175
- Set into grass matting surfacing

D. Sutcliffe: Play Fence comprising units DZA015 (Binocular), DZA215 (Oxo), DZA185 (Rotary Puzzle)
- set into grass matting surfacing

E. Sutcliffe: 2.4m swing, Four seats 2 cradle seats, 2 flat seats
- Set into grass matting surfacing

Play equipment supplier contact details:

Sutcliffe Play Ltd
Waggon Lane
Upton
Pontefract
West Yorkshire
WF9 1JS
Tel: 01977 653200

SPECIFICATION

PLAY EQUIPMENT

Play equipment to be erected all in accordance with manufacturers instructions. Unilogs to be safe for use in children's play areas and conform to EN1176. Timbers shall come from a guaranteed source such as A E Evans, lightwood green, Overton on Dee, Wrexham LL13 0HU (Tel: 01978 710445/6). All timbers shall be first grade timbers with chamfered tops. Timbers to be ordered to length not cut.

SURFACING

Grass matting surfacing - such as 'Safety Matta' by Matta Products. Grass matting to be laid onto turfed surface, with mesh underlay to prevent sinking of the tiles. Colour: Green. Critical Fall Height: 2.4m for highest equipment piece. Product to be installed as per manufacturers instruction, Matta Products,
19 Triumph Way, Woburn Road Industrial Estate, Kempson, Bedford, MK42 7QB, Tel: 02920 809090

SEATS AND LITTER BINS

7 nr. Broxap BX29 2130-RT Saltwell Steel Framed Seats to be installed onto a macadam wear pad with pin kerb edging. Pad to be 100mm wider than seat legs on back and sides and 200mm wider to the front of the seat.
Tel: 0844 800 408

4 nr. Wybone Ltd. BMB/40 'Barnsley bin'. Colour: black. to be installed onto concrete pad as per manufacturers instruction.
Tel: 01226 744010

FENCING AND GATES

The public open space is to be fenced with 1000mm high galvanised steel, vertical bar, flat top fencing, finished in black. with 5nr pedestrian gates and 1nr vehicle gate.

Pedestrian gates shall have a minimum of 1.2m clear opening width with a heavy duty, hydraulic self closing mechanism, style to match adjoining railings. Gates to be finished in a contrasting colour to the railings and be safe for use by children in terms of finger traps etc and in accordance with EN 1176.

Double leaf gate to be installed to southern boundary (as indicated on plan) to provide vehicular access, style to match adjoining railings. Gates are to be finished in black and be safe for use by children in terms of finger traps etc and in accordance with EN 1176.

REV.D: Amends to play area, tree species, planting beds and footpaths in line with comments recieved 20/01/2014. — Jan 2014
REV.C: Minor amends to tree species to introduce larger specimens — Oct 2013
REV.B: Amendment to wildflower seed mix specification — Sep 2013
REV.A: Contours and levels updated in-line with engineers drawing C2001. — Aug 2013

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client: PERSIMMON HOMES

project: Residential Development Former Royston High School, ROYSTON

drawing title: PUBLIC OPEN SPACE DETAILS

scale	date	dwn by	drawing no
1:200/A0	June 13	EW	R/1455/5D