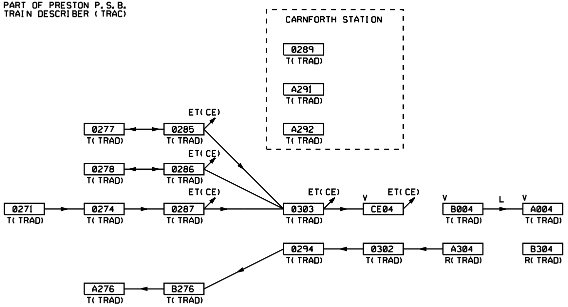
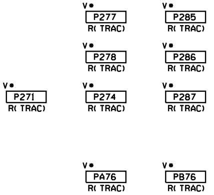
PART OF PRESTON P.S.B.
TRAIN DESCRIBER (TRAC)

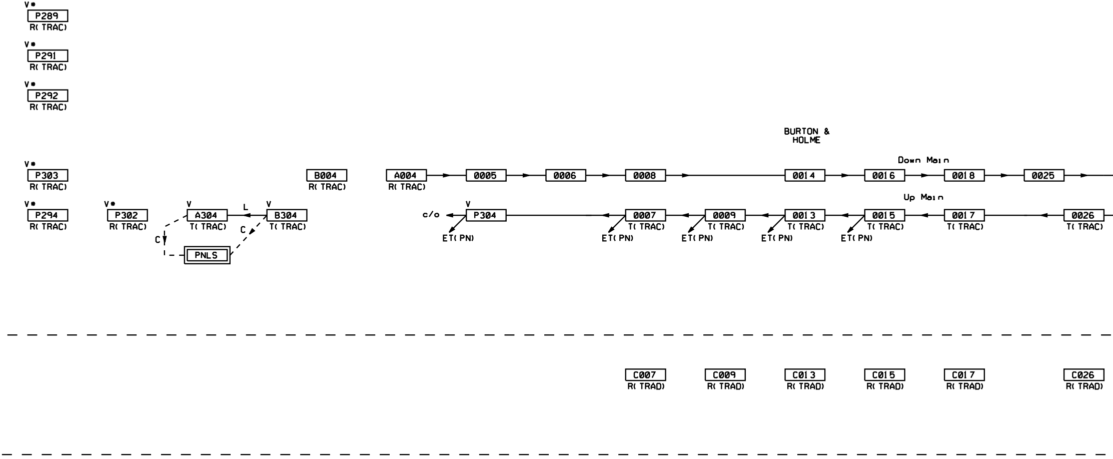

CARNFORTH STATION
0289
T(TRAD)
A291
T(TRAD)
A292
T(TRAD)
ET(CE)
0277
T(TRAD)
0285
T(TRAD)
ET(CE)
0278
T(TRAD)
0286
T(TRAD)
ET(CE)
ET(CE)
V
ET(CE)
V
L
V
0271
T(TRAD)
0274
T(TRAD)
0287
T(TRAD)
0303
T(TRAD)
CE04
B004
T(TRAD)
A004
T(TRAD)
0294
T(TRAD)
0302
T(TRAD)
A304
R(TRAD)
B304
R(TRAD)
A276
T(TRAD)
B276
T(TRAD)

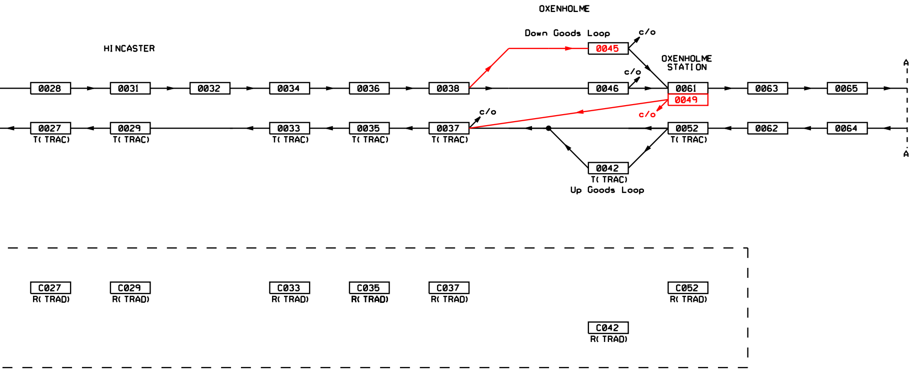

V*
P277
R(TRAC)
V*
P285
R(TRAC)
V*
P278
R(TRAC)
V*
P286
R(TRAC)
V*
P271
R(TRAC)
V*
P274
R(TRAC)
V*
P287
R(TRAC)
V*
PA76
R(TRAC)
V*
PB76
R(TRAC)

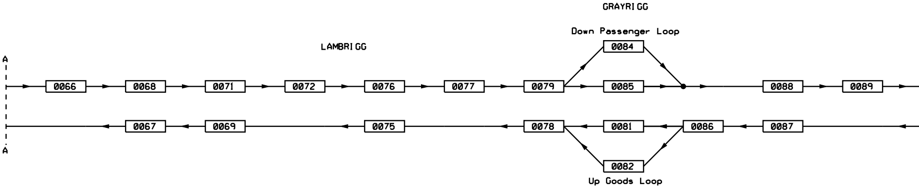
NOTE: ET(CE) Early transmit to Carlisle P.S.B. via transmit Berths A004 & B004.

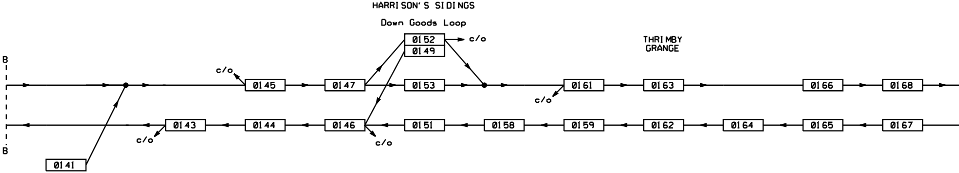
**Source Document Updated**

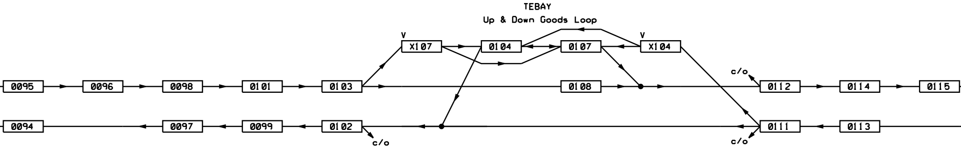
| Version | Prod. | Check |
|---|---|---|
| NB1 | [redacted] | [redacted] |
| GC1 | [redacted] | [redacted] |
| VY1–2 | [redacted] | [redacted] |
| BA1 | [redacted] | [redacted] |
| HM1 | [redacted] | [redacted] |
| RS1 | [redacted] | [redacted] |
| TJ1 | [redacted] | [redacted] |
| XK1 | [redacted] | [redacted] |

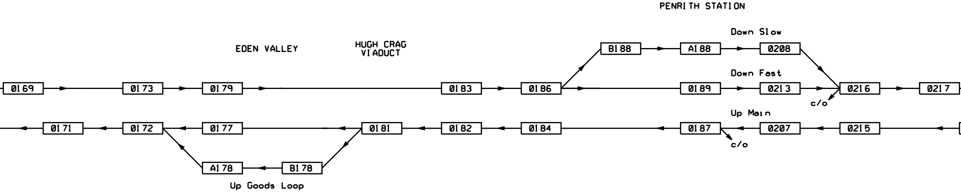

V*
P289
R( TRAC)
V*
P291
R( TRAC)
V*
P292
R( TRAC)
BURTON &
HOLME
Down Main
V*
P303
R( TRAC)
B004
R( TRAC)
A004
R( TRAC)
0005
0006
0008
0014
0016
0018
0025
Up Main
V*
P294
R( TRAC)
V*
P302
R( TRAC)
V
A304
T( TRAC)
L
V
B304
T( TRAC)
C
C
PNLS
c/o
V
P304
ET( PN)
0007
T( TRAC)
ET( PN)
0009
T( TRAC)
ET( PN)
0013
T( TRAC)
ET( PN)
0015
T( TRAC)
ET( PN)
0017
T( TRAC)
0026
T( TRAC)
C007
R( TRAD)
C009
R( TRAD)
C013
R( TRAD)
C015
R( TRAD)
C017
R( TRAD)
C026
R( TRAD)

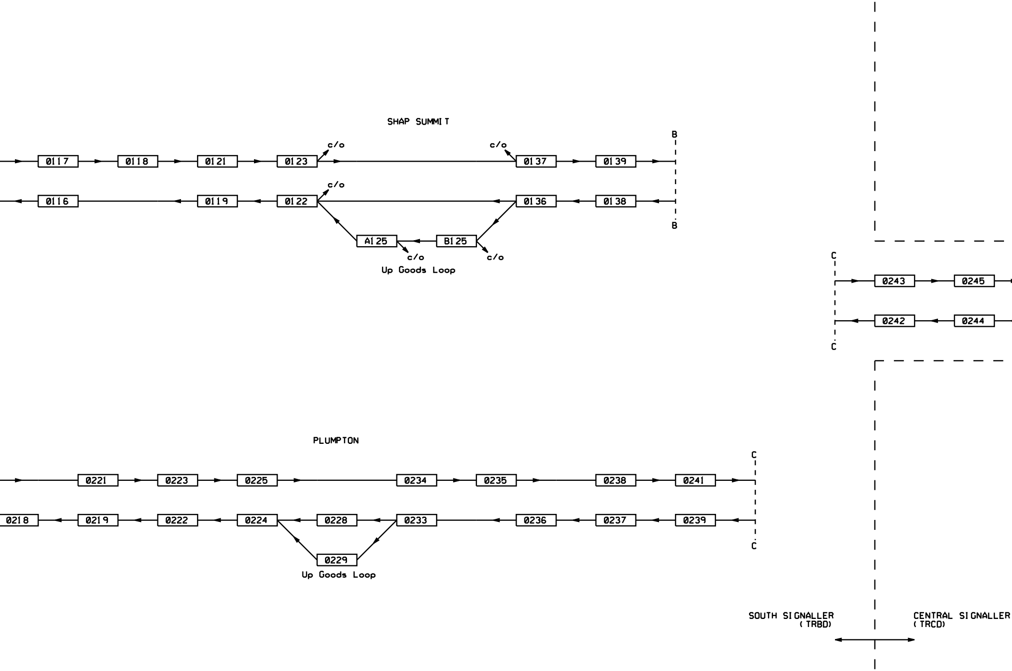

OXENHOLME
Down Goods Loop
c/o
0045
HINCASTER
OXENHOLME
STATION
c/o
A
0028
0031
0032
0034
0036
0038
0046
0061
0049
0063
0065
c/o
c/o
0027
T( TRAC)
0029
T( TRAC)
0033
T( TRAC)
0035
T( TRAC)
0037
T( TRAC)
0052
T( TRAC)
0062
0064
A
0042
T( TRAC)
Up Goods Loop
C027
R( TRAD)
C029
R( TRAD)
C033
R( TRAD)
C035
R( TRAD)
C037
R( TRAD)
C052
R( TRAD)
C042
R( TRAD)

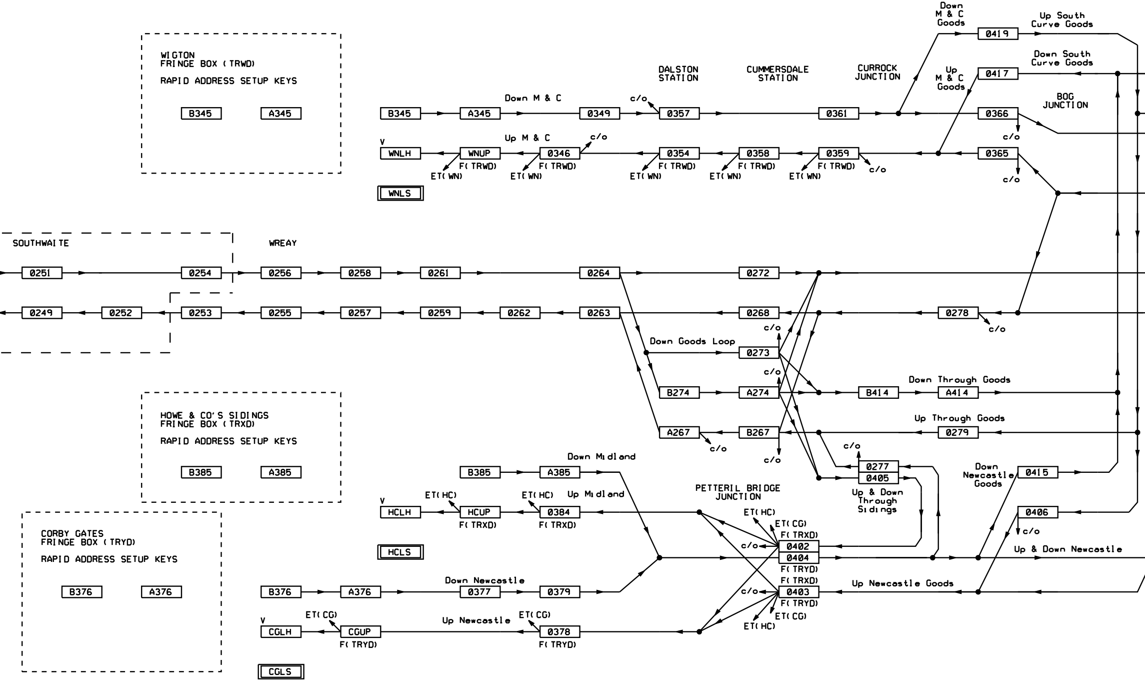

GRAYRIGG
Down Passenger Loop
LAMBRIGG
A
0066
0068
0071
0072
0076
0077
0079
0084
0085
0088
0089
0067
0069
0075
0078
0081
0086
0087
0082
Up Goods Loop
A

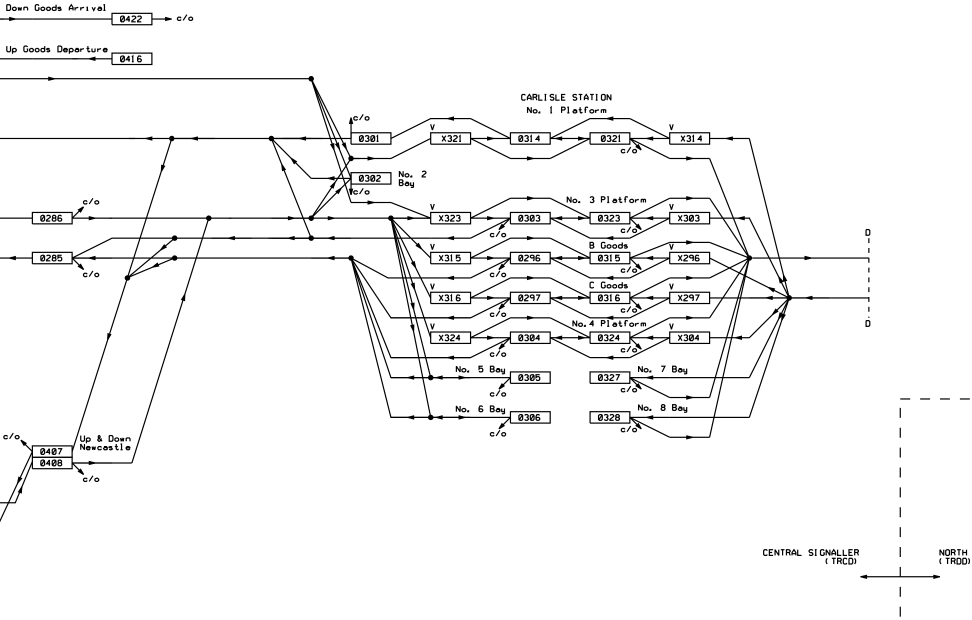

HARRISON'S SIDINGS
Down Goods Loop
0152
0149
c/o
THRIMBY GRANGE
B
c/o
0145
0147
0153
0161
0163
0166
0168
c/o
0143
0144
0146
0151
0158
0159
0162
0164
0165
0167
c/o
c/o
B
0141

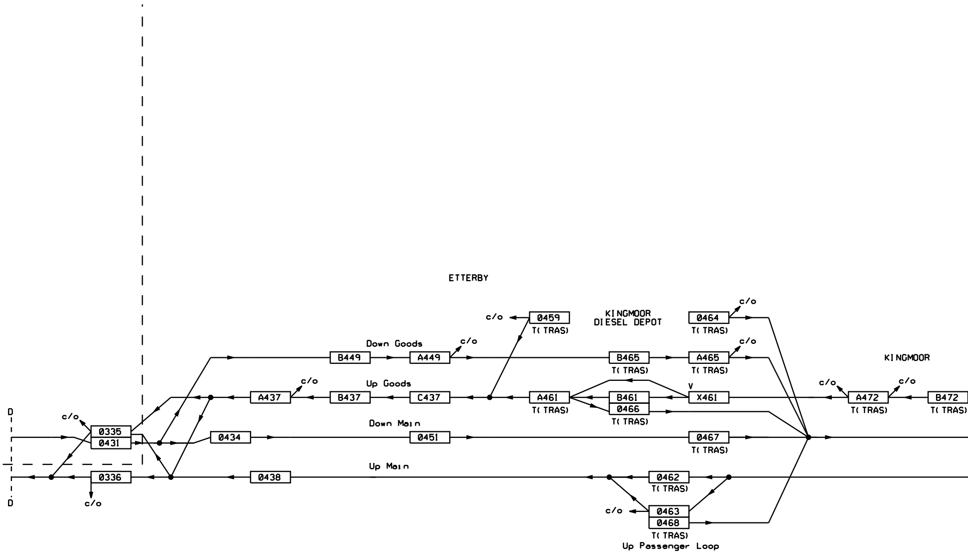

TEBAY
Up & Down Goods Loop
V
X107
0104
0107
V
X104
c/o
0095
0096
0098
0101
0103
0108
0112
0114
0115
0094
0097
0099
0102
c/o
c/o
0111
0113


PENRITH STATION
Down Slow
EDEN VALLEY
HUGH CRAG VIADUCT
B188
A188
0208
Down Fast
0169
0173
0179
0183
0186
0189
0213
0216
0217
c/o
Up Main
0171
0172
0177
0181
0182
0184
0187
0207
0215
c/o
A178
B178
Up Goods Loop

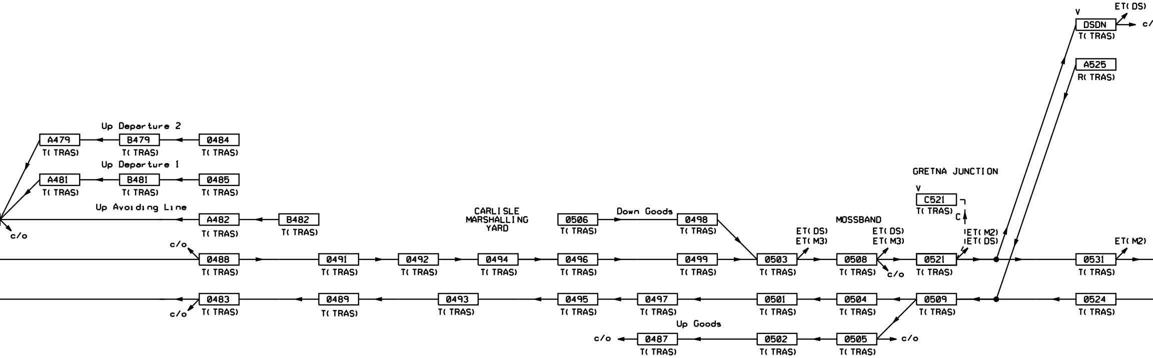

SHAP SUMMIT
c/o
c/o
0117
0118
0121
0123
0137
0139
B
c/o
0116
0119
0122
0136
0138
B
A125
B125
c/o
c/o
Up Goods Loop
C
0243
0245
0242
0244
C
PLUMPTON
0221
0223
0225
0234
0235
0238
0241
C
0218
0219
0222
0224
0228
0233
0236
0237
0239
C
0229
Up Goods Loop
SOUTH SIGNALLER
(TRBD)
CENTRAL SIGNALLER
(TRCD)

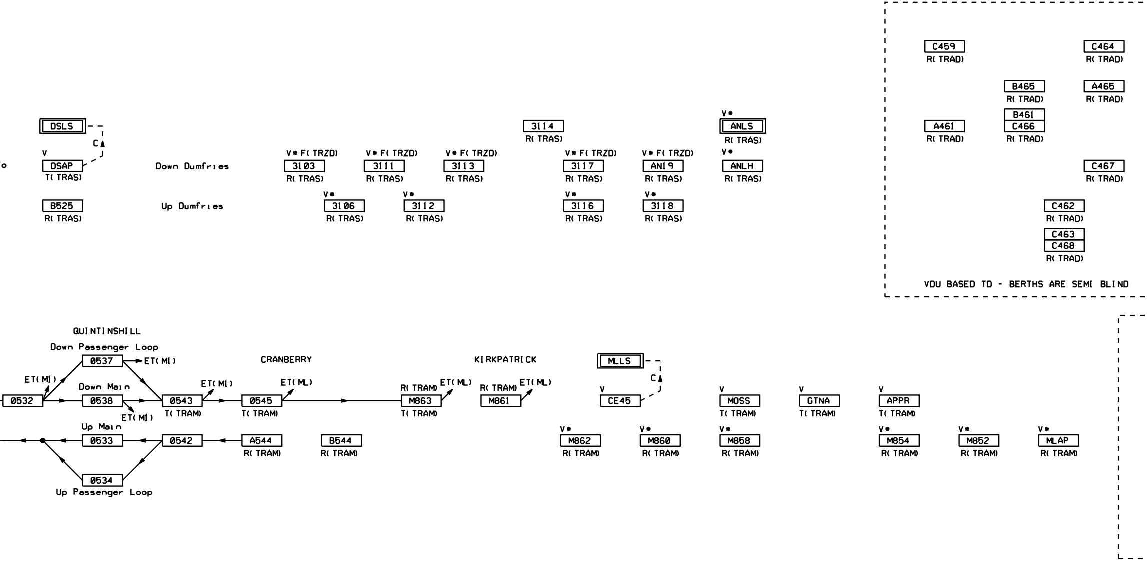

WIGTON
FRINGE BOX (TRWD)
RAPID ADDRESS SETUP KEYS
B345
A345
Down M & C
Up M & C
0349
0357
0361
0366
c/o
DALSTON STATION
CUMMERSDALE STATION
CURROCK JUNCTION
BOG JUNCTION
Down M & C Goods
Up M & C Goods
Up South Curve Goods
Down South Curve Goods
0419
0417
V
WNLH
WNUP
0346
0354
0358
0359
0365
F(TRWD)
ET(WN)
WNLS
SOUTHWAITE
WREAY
0251
0254
0256
0258
0261
0264
0272
0249
0252
0253
0255
0257
0259
0262
0263
0268
0278
Down Goods Loop
0273
B274
A274
B414
A414
Down Through Goods
Up Through Goods
A267
B267
0279
0277
0405
Up & Down Through Sidings
HOWE & CO'S SIDINGS
FRINGE BOX (TRXD)
RAPID ADDRESS SETUP KEYS
B385
A385
Down Midland
Up Midland
HCLH
HCUP
0384
ET(HC)
F(TRXD)
HCLS
PETTERIL BRIDGE JUNCTION
0402
0404
0403
ET(CG)
F(TRYD)
Down Newcastle Goods
0415
0406
Up & Down Newcastle
Up Newcastle Goods
CORBY GATES
FRINGE BOX (TRYD)
RAPID ADDRESS SETUP KEYS
B376
A376
Down Newcastle
0377
0379
Up Newcastle
CGLH
CGUP
0378
CGLS


Down Goods Arrival
0422
c/o
Up Goods Departure
0416
CARLISLE STATION
No. 1 Platform
c/o
0301
V
X321
0314
0321
V
X314
c/o
0302
No. 2
Bay
c/o
c/o
0286
No. 3 Platform
V
X323
0303
0323
V
X303
c/o
c/o
0285
c/o
B Goods
V
X315
0296
0315
V
X296
c/o
c/o
D
C Goods
V
X316
0297
0316
V
X297
c/o
c/o
D
No. 4 Platform
V
X324
0304
0324
V
X304
c/o
c/o
No. 5 Bay
0305
c/o
0327
No. 7 Bay
c/o
No. 6 Bay
0306
c/o
0328
No. 8 Bay
c/o
c/o
0407
0408
Up & Down
Newcastle
c/o
CENTRAL SIGNALLER
(TRCD)
NORTH
(TRDD)

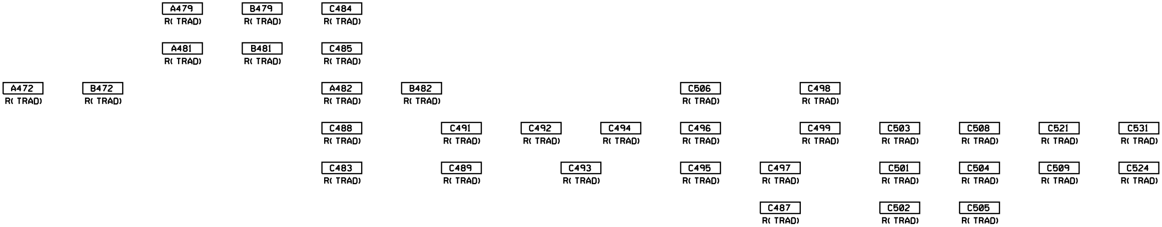

ETTERBY
KINGMOOR DIESEL DEPOT
KINGMOOR
Down Goods
Up Goods
Down Main
Up Main
Up Passenger Loop
D
D
c/o
0335
0431
0336
0434
0438
B449
A449
0459
T(TRAS)
A437
B437
C437
0451
A461
T(TRAS)
B461
0466
T(TRAS)
B465
T(TRAS)
0464
T(TRAS)
A465
T(TRAS)
V
X461
0467
T(TRAS)
0462
T(TRAS)
0463
0468
T(TRAS)
A472
T(TRAS)
B472
T(TRAS)

SIGNALLER

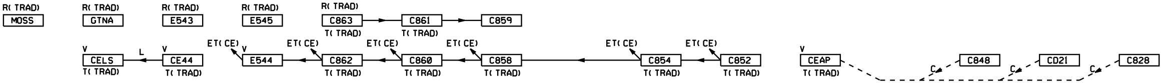

ET( DS)
V
DSDN
T( TRAS)
c/
A525
R( TRAS)
Up Departure 2
A479
T( TRAS)
B479
T( TRAS)
0484
T( TRAS)
Up Departure 1
A481
T( TRAS)
B481
T( TRAS)
0485
T( TRAS)
GRETNA JUNCTION
V
C521
T( TRAS)
C
Up Avoiding Line
A482
T( TRAS)
B482
T( TRAS)
c/o
CARLISLE
MARSHALLING
YARD
0506
T( TRAS)
Down Goods
0498
T( TRAS)
MOSSBAND
ET( DS)
ET( M3)
ET( DS)
ET( M3)
ET( M2)
ET( DS)
ET( M2)
c/o
0488
T( TRAS)
0491
T( TRAS)
0492
T( TRAS)
0494
T( TRAS)
0496
T( TRAS)
0499
T( TRAS)
0503
T( TRAS)
0508
T( TRAS)
c/o
0521
T( TRAS)
0531
T( TRAS)
0483
T( TRAS)
c/o
0489
T( TRAS)
0493
T( TRAS)
0495
T( TRAS)
0497
T( TRAS)
0501
T( TRAS)
0504
T( TRAS)
0509
T( TRAS)
0524
T( TRAS)
Up Goods
c/o
0487
T( TRAS)
0502
T( TRAS)
0505
T( TRAS)
c/o


DSLS
C
V
DSAP
T( TRAS)
B525
R( TRAS)
Down Dumfries
Up Dumfries
V✱ F( TRZD)
3103
R( TRAS)
V✱ F( TRZD)
3111
R( TRAS)
V✱ F( TRZD)
3113
R( TRAS)
V✱
3106
R( TRAS)
V✱
3112
R( TRAS)
3114
R( TRAS)
V✱ F( TRZD)
3117
R( TRAS)
V✱ F( TRZD)
AN19
R( TRAS)
V✱
3116
R( TRAS)
V✱
3118
R( TRAS)
V✱
ANLS
R( TRAS)
V✱
ANLH
R( TRAS)
C459
R( TRAD)
C464
R( TRAD)
B465
R( TRAD)
A465
R( TRAD)
B461
C466
R( TRAD)
A461
R( TRAD)
C467
R( TRAD)
C462
R( TRAD)
C463
C468
R( TRAD)
VDU BASED TD - BERTHS ARE SEMI BLIND
QUINTINSHILL
Down Passenger Loop
0537
ET( M1)
ET( M1)
Down Main
0532
0538
ET( M1)
0543
T( TRAM)
ET( M1)
Up Main
0533
0542
0534
Up Passenger Loop
CRANBERRY
ET( ML)
0545
T( TRAM)
A544
R( TRAM)
B544
R( TRAM)
R( TRAM)
M863
T( TRAM)
ET( ML)
KIRKPATRICK
R( TRAM)
M861
ET( ML)
MLLS
C
V
CE45
V✱
M862
R( TRAM)
V✱
M860
R( TRAM)
V
MOSS
T( TRAM)
V✱
M858
R( TRAM)
V
GTNA
T( TRAM)
V
APPR
T( TRAM)
V✱
M854
R( TRAM)
V✱
M852
R( TRAM)
V✱
MLAP
R( TRAM)

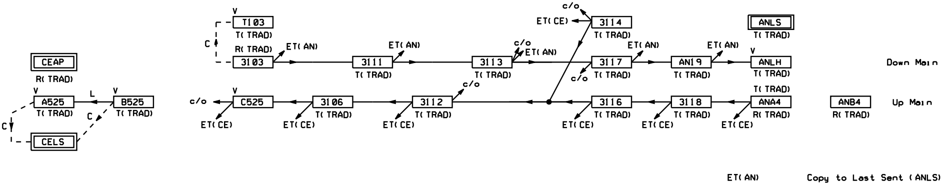
PART OF DUMFRIES S.B. TRAIN DESCRIBER (TRAS)

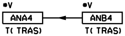

A479 R(TRAD)
B479 R(TRAD)
C484 R(TRAD)
A481 R(TRAD)
B481 R(TRAD)
C485 R(TRAD)
A472 R(TRAD)
B472 R(TRAD)
A482 R(TRAD)
B482 R(TRAD)
C506 R(TRAD)
C498 R(TRAD)
C488 R(TRAD)
C491 R(TRAD)
C492 R(TRAD)
C494 R(TRAD)
C496 R(TRAD)
C499 R(TRAD)
C503 R(TRAD)
C508 R(TRAD)
C521 R(TRAD)
C531 R(TRAD)
C483 R(TRAD)
C489 R(TRAD)
C493 R(TRAD)
C495 R(TRAD)
C497 R(TRAD)
C501 R(TRAD)
C504 R(TRAD)
C509 R(TRAD)
C524 R(TRAD)
C487 R(TRAD)
C502 R(TRAD)
C505 R(TRAD)

PART OF MOTHERWELL S.C.
TRAIN DESCRIBER (TRAM)


R(TRAD) MOSS
R(TRAD) GTNA
R(TRAD) E543
R(TRAD) E545
R(TRAD) C863 T(TRAD)
C861 T(TRAD)
C859
V CELS T(TRAD)
L
V CE44 T(TRAD)
ET(CE)
V E544
ET(CE)
C862 T(TRAD)
ET(CE)
C860 T(TRAD)
ET(CE)
C858 T(TRAD)
ET(CE)
C854 T(TRAD)
ET(CE)
C852 T(TRAD)
V CEAP T(TRAD)
C
C848
C
CD21
C
C828

NOTES:
ET(CE) Early transmit to Carlisle P.S.B. via transmit Berths CELS & CE44
CEAP transmits to Carlisle MLAP
CE44 transmits to Carlisle B544
CELS transmits to Carlisle A544


c/o
ET(CE)
3114
T(TRAD)
V
T103
T(TRAD)
ANLS
T(TRAD)
C
R(TRAD)
ET(AN)
ET(AN)
c/o
ET(AN)
ET(AN)
ET(AN)
CEAP
3103
3111
3113
3117
AN19
V
ANLH
Down Main
R(TRAD)
T(TRAD)
T(TRAD)
c/o
T(TRAD)
T(TRAD)
T(TRAD)
V
L
V
V
c/o
T(TRAD)
A525
B525
c/o
C525
3106
3112
3116
3118
ANA4
ANB4
Up Main
T(TRAD)
T(TRAD)
T(TRAD)
T(TRAD)
T(TRAD)
T(TRAD)
R(TRAD)
R(TRAD)
C
C
ET(CE)
ET(CE)
ET(CE)
ET(CE)
ET(CE)
ET(CE)
CELS
ET(AN)
Copy to Last Sent (ANLS)


*V
ANA4
T( TRAS)
*V
ANB4
T( TRAS)

ANNAN
FRINGE BOX ( TRZD)

RAPID ADDRESS SETUP KEYS

ANA4

ANB4

NOTE:

Annan Fringe Box transmits TD's to Carlisle, and Carlisle transmits to Dumfries ABX.

NOTES

| | |
|---|---|
| dddd | Normal Berth |
| dddd | Conditional Receive berth/to berth of Copy Steps |
| V<br>dddd | Blind Berth |
| V*<br>dddd | Semi-Blind berth i.e displayed on Train Describer VDU's, but not on panel |
| dddd<br>DDDD | Dual Berth |
| T( XXXX) | Denotes Train Describer Transmission where ( XXXX) is the adjacent system identity. |
| R( YYYY) | Denotes Train Describer Receive Berth where ( YYYY) is the adjacent system identity. |

Scheme to comply with ST1346 Issue C.1

Adjacent Train Describer communication to BR1810

| | |
|---|---|
| ET( CG) | Copy to Last Sent ( CGLS) |
| ET( DS) | Copy to Last Sent ( DSLS) |
| ET( HC) | Copy to Last Sent ( HCLS) |
| ET( ML) | Copy to Last Sent ( MLLS), via transmit Berth CE45 |
| ET( M1) | Copy to APPR, and transmit to Motherwell. |
| ET( M2) | Copy to GTNA, and transmit to Motherwell. |
| ET( M3) | Copy to MOSS, and transmit to Motherwell. |
| ET( PN) | Copy to Last Sent ( PNLS), via transmit Berths A304 & B304 |
| ET( WN) | Copy to Last Sent ( WNLS) |

ALARM BERTHS

- TRAC
- TRAM
- TRAS
- TRZD
- TRYD
- TRXD
- TRWD
- TRT1
- TRT2
- CIS1
- RAD1

| | TESTER NAME | SIGNATURE | DATE | ACTIVITY |
|---|---|---|---|---|
| 1 | | | | Prep. Inspection |
| 2 | | | | Prep. W.C. and Cont |
| 3 | | | | Prep. S. & F./C.F.T. |
| 4 | | | | Cable core Loc. End |
| 5 | | | | Cable core Equ. End |
| Complete tester details in your own check marking colour.<br>Sign off for completed activities. | | | | Changover Comp |

CAD GENERATED : ALTERATIONS TO BE MADE ON DESIGN FILE ONLY

Preston Adjacent Train Describer

Motherwell Adjacent Train Describer

Dumfries Adjacent Train Describer

Annan Fringe Box

Corby Gates Fringe Box

Howe & Co Sidings Fringe Box

Wigton Fringe Box

SMART Link A

SMART Link B

Customer Information System

Rugby Clock

ALARM BERTHS

| | |
|---|---|
| TRBD | Signaller South OCU |
| TRCD | Signaller Central OCU |
| TRDD | Signaller North OCU |
| TRED | Supervisor OCU |
| TRJD | Information VDU No.1 |
| TRKD | Preston Info VDU |
| TRTD | Technician PC NTD Link |
| TDT2 | Technician PC ITD Link |
| UDLL | TD-TD Processor Link |
| ITDL | TD-ITD Processor Link |
| TM01 | TDMUX System Link 1 |
| TM02 | TDMUX System Link 2 |

| COMPLETE | DATE | Mainline Systems Birmingham | | | Railtrack Records Group | RAILTRACK | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | CARLISLE P.S.B.<br>TRAIN DESCRIBER<br>BLOCK SCHEMATIC | Drawing No CLE/20/ | | |
| | | | | | | Sht No TDA1 | | |
| | | Produced | | | | Last Full Correlation | Date | |
| | | Checked | | | | | Version | |
| | | Issued | | | | Current Version | XK1 | |

BORDER V1.0 CAD - A3