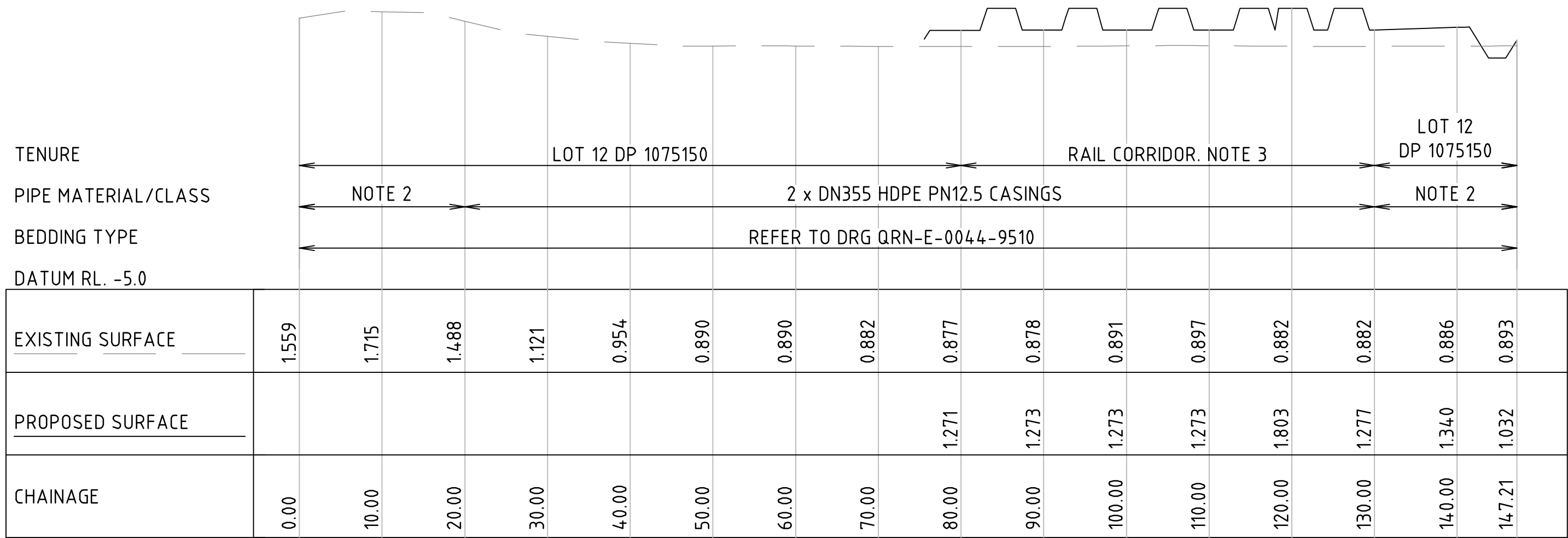


PLAN  
SCALE 1:500



LONGITUDINAL SECTION  
SCALE HORZ 1:500  
VERT 1:100

LEGEND:

- PROPOSED DN355 PE PIPE
- EXISTING BRANCOURTS MAINS
- BRANCOURTS MAINS TO BE DECOMMISSIONED/REMOVED
- POTHOLE

SETOUT POINTS			
CHAINAGE	EASTING	NORTHING	I.L
CH 00.0	376490.570	6367223.376	0.704
CH 147.2	376628.215	6367275.577	0.177

NOTES:

- MINIMUM COVER IS 500mm AND MINIMUM GRADE IS 0.2%.
- TRENCH DETAIL FOR WELDED PE100 PN10 CARRIER PIPES AS PER DRG QRN-E-0044-9510 WITHOUT CASINGS AND MINIMUM PIPE SPACINGS OF 100mm.
- 1000mm COVER FROM BASE OF RAIL FORMATION TO CROWN OF CASING PIPES.
- MINIMUM 1000mm COVER WHERE ELECTRICAL CONDUITS ARE TO CROSS THE ALIGNMENT.



THE LOCATION OF UTILITIES HAS NOT NECESSARILY BEEN ESTABLISHED BY SURVEY BUT IS BASED ON INFORMATION AVAILABLE.



ALTERATIONS



GHD Tower, Level 5  
24 Honeyuckie Drive, Newcastle NSW 2300 Australia  
PO Box 5403 Hunter Rgn Mail Cent, NSW 2310  
T 61 2 4979 9999 F 61 2 4979 9988  
E ntmial@ghd.com W www.ghd.com

PROJECT No. 2216395  
DRAWING No. IFC ISSUE

DESIGNED E. PERALTA  
DESIGN CHECKED N.MALCOLM  
DRAWN J. ASUNCION  
DRAFTING CHECK L.PRACY  
APPROVED G. MACKIE  
08-04-2013  
DATE

REVIEWED FOR AURIZON REQUIREMENTS  
DESIGN MANAGER  
ISSUE AUTHORISED  
DATE



Aurizon Operations Ltd - ACN 124 649 967

HEXHAM TO TARRO  
NSW LONG TERM TRAIN SUPPORT FACILITY  
176.000 km MAIN NORTH LINE  
EXISTING SERVICES PROTECTION AND RELOCATION - BRANCOURTS PIPES  
PLAN AND LONGITUDINAL SECTION

FILE No. QRN-E-0044-9511.dwg

DRAWING NUMBER

QRN-E-0044-9511

ISSUE