

BULK EARTHWORKS PLAN
1:3000 SCALE

BULK EARTHWORKS VOLUMES

VOLUMES SHOWN BELOW ARE BASED ON THE COMPARISON BETWEEN THE DETAILED EARTHWORKS LEVELS AND EXISTING SITE LEVELS AS SHOWN ON THE CARDNO SITE SURVEY REF: 1188961001 DATED 01/05/2019.

TOPSOIL (APPROXIMATE)	= - 300,000m ³
CUT MATERIAL	= - 239,400m ³
FILL MATERIAL	= + 1,744,600m ³
SITE WON FILL FROM DUST BOWL	= + 300,000m ³
DETAILED EXCAVATION FROM FUTURE WAREHOUSING AT 1,500m ² /Ha (94.7Ha OF WAREHOUSING)	= - 150,000m ³
BALANCE	= + 1,355,200m³ (I.E. IMPORT)

NOTE:
EARTHWORK VOLUMES ARE APPROXIMATE ONLY. NO ALLOWANCE HAS BEEN MADE FOR DELETERIOUS MATERIAL, EXISTING SLAB REMOVAL, EROSION AND SEDIMENT CONTROL OR BULKING OR COMPACTION OF FILLED SOILS. CONTRACTOR TO ALLOW FOR THESE ITEMS AS REQUIRED.

EXISTING COMPOUND EARTHWORK VOLUMES

VOLUMES SHOWN BELOW ARE BASED ON THE COMPARISON BETWEEN THE DETAILED EARTHWORKS LEVELS AND EXISTING LEVELS IN THE COMPOUND AS SHOWN ON THE TOTAL SURVEYING SOLUTIONS SITE SURVEY REF: 190150 DATED 31/10/2019.

CUT MATERIAL	= - 23,800m ³
FILL MATERIAL	= + 20,600m ³
BALANCE	= - 3,200m³ (I.E. EXPORT)

NOTE:
EARTHWORK VOLUMES ARE APPROXIMATE ONLY. NO ALLOWANCE HAS BEEN MADE FOR DELETERIOUS MATERIAL, EXISTING SLAB REMOVAL, EROSION AND SEDIMENT CONTROL OR BULKING OR COMPACTION OF FILLED SOILS. CONTRACTOR TO ALLOW FOR THESE ITEMS AS REQUIRED.

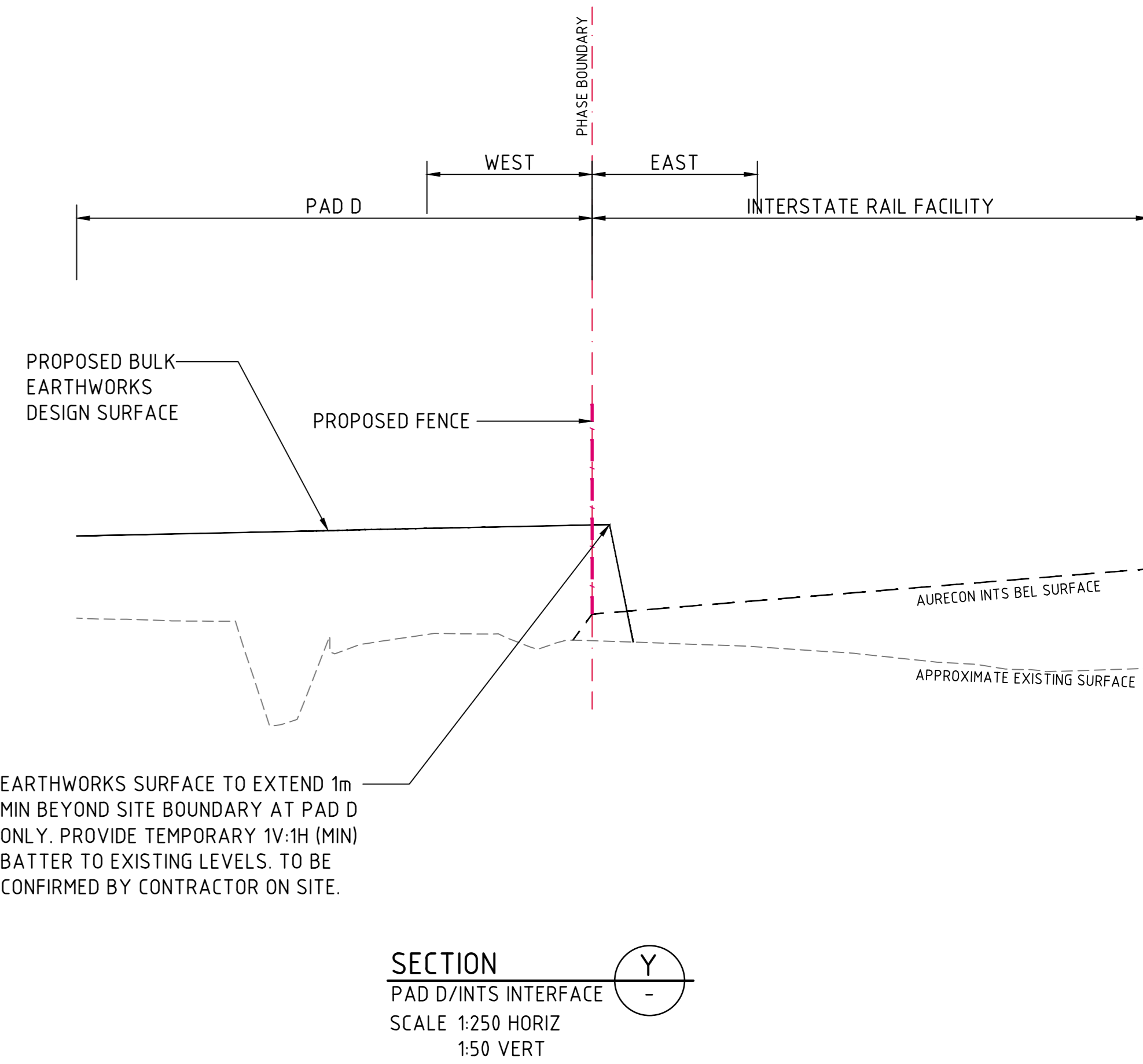
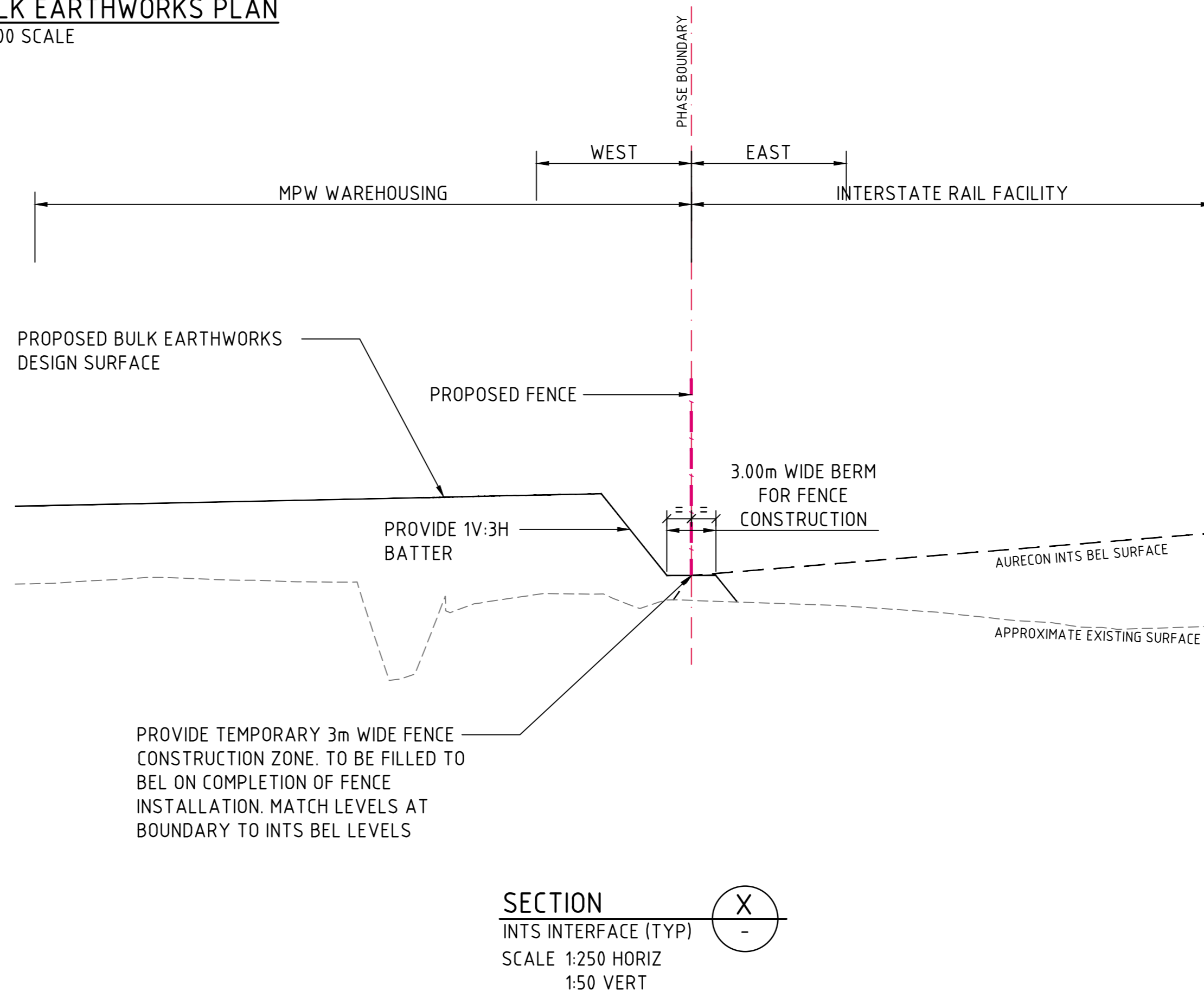
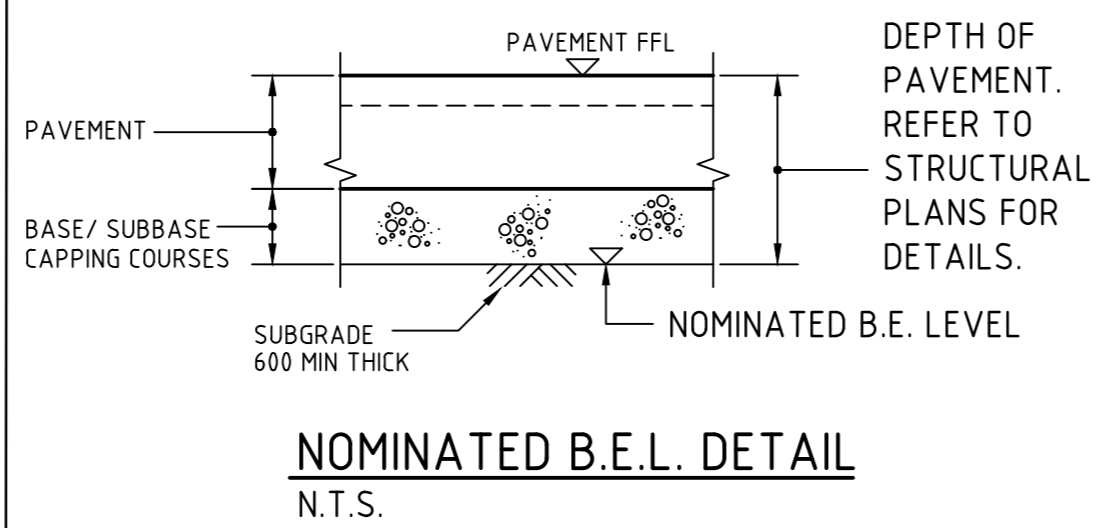
EAST-WEST CULVERT NOTE

REFER TO PIW-COS-CV-DWG-04.0 FOR EARTHWORKS ASSOCIATED WITH EAST-WEST CULVERT WORKS.

LEGEND

LEVELS DATUM IS AHD
EXISTING SURVEY LEVELS BASED ON SURVEY INFORMATION PREPARED BY CARDNO REF: 115804500 REV 22 DATED 12.10.2017.

- DENOTES BIO-BANKING ZONE
- DENOTES OPERATIONAL BOUNDARY
- EXISTING CONTOUR (1.0m INTERVAL)
- B.E.L. CONTOUR (MAJOR 1.0m)
- B.E.L. CONTOUR (MINOR 0.25m)
- B.E.L. SPOT LEVEL



30m 0 50 100 150 200 250 300m
1:3000 SCALE AT A0 SHEET SIZE

REVISION	DATE	ISSUE	REVISION	DATE	ISSUE	DEVELOPER
REVISED AS CLOUDED LOOP ROAD GRADING	26.05.21	13	REVISED FOR MPW SOUTH GRADING	21.09.23	19	
REVISED AS CLOUDED LOOP ROAD GRADING	28.04.21	12	REVISED FOR MPW SOUTH GRADING	07.08.23	18	
REVISED AS CLOUDED LOOP ROAD GRADING	15.03.21	11	REVISED FOR LOT 10 WAREHOUSE INT'NG GRADING	27.02.23	17	
REVISED AS CLOUDED LOOP ROAD GRADING	13.01.21	10	REVISED FOR LOT 100 GRADING	16.04.22	16	
PRECINCT UPDATE	10.10.20	9	REVISED FOR INTS COORDINATION	04.02.22	15	
REVISED LOT 100 GRADING AS CLOUDED	18.09.20	8	REVISED AS CLOUDED LOOP ROAD GRADING	07.06.21	14	
AMENDMENTS			AMENDMENTS			

ARCHITECT **watson young**

PROJECT MANAGER **J. WYNDHAM PRINCE**
CONSULTING CIVIL INFRASTRUCTURE ENGINEERS & PROJECT MANAGERS

PROJECT **PRECINCT INFRASTRUCTURE WORKS WEST**
MOOREBANK AVENUE, MOOREBANK

DESIGNED: [] DRAWN: [] DATE: AUG 19
CHECKED: [] SIZE: [] SCALE: [] AS SHOWN
CAD REF: []
1:3000 SCALE

Costin Roe Consulting Pty Ltd.
Consulting Engineers
Level 1, 9 Windmill Street
Wah Bay, Sydney NSW 2000
Tel: (02) 9651-7899 Fax: (02) 8241-3721
email: mail@costinroe.com.au

FOR CONSTRUCTION

Costin Roe Consulting

PRECISION | COMMUNICATION | ACCOUNTABILITY

DRAWING TITLE **BULK EARTHWORKS PLAN**

DRAWING NO. **LPWPIW-COS-CV-DWG-0300**

ISSUE **19**