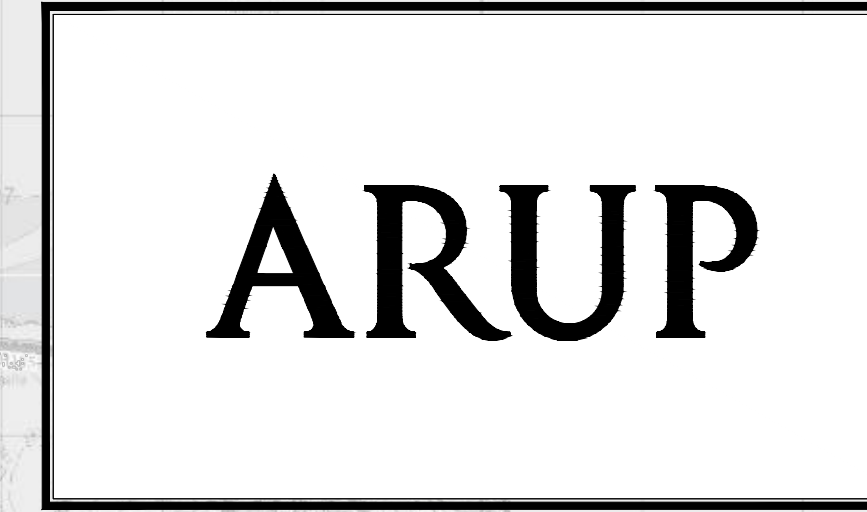


Bridges and Major
Retaining Structures





BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS

BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME

| BRIDGES AND MAJOR RETAINING STRUCTURES | |
|--|---|
| DRAWING SERIES NUMBER(S) | DRAWING SERIES DESCRIPTION |
| BCIDC-ARP-STR_IX-1415_XX_00-DR-CB-0001 | BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME. BRIDGES AND MAJOR RETAINING STRUCTURES. COVER SHEET |
| BCIDC-ARP-STR_KP-1415_XX_00-DR-CB-0001 | BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME. BRIDGES AND MAJOR RETAINING STRUCTURES. KEY PLAN |
| BCIDC-ARP-STR_GA-1415_XX_00-DR-CB-0001 | BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME. BRIDGES AND MAJOR RETAINING STRUCTURES. RETAINING WALL 01 GENERAL ARRANGEMENT |

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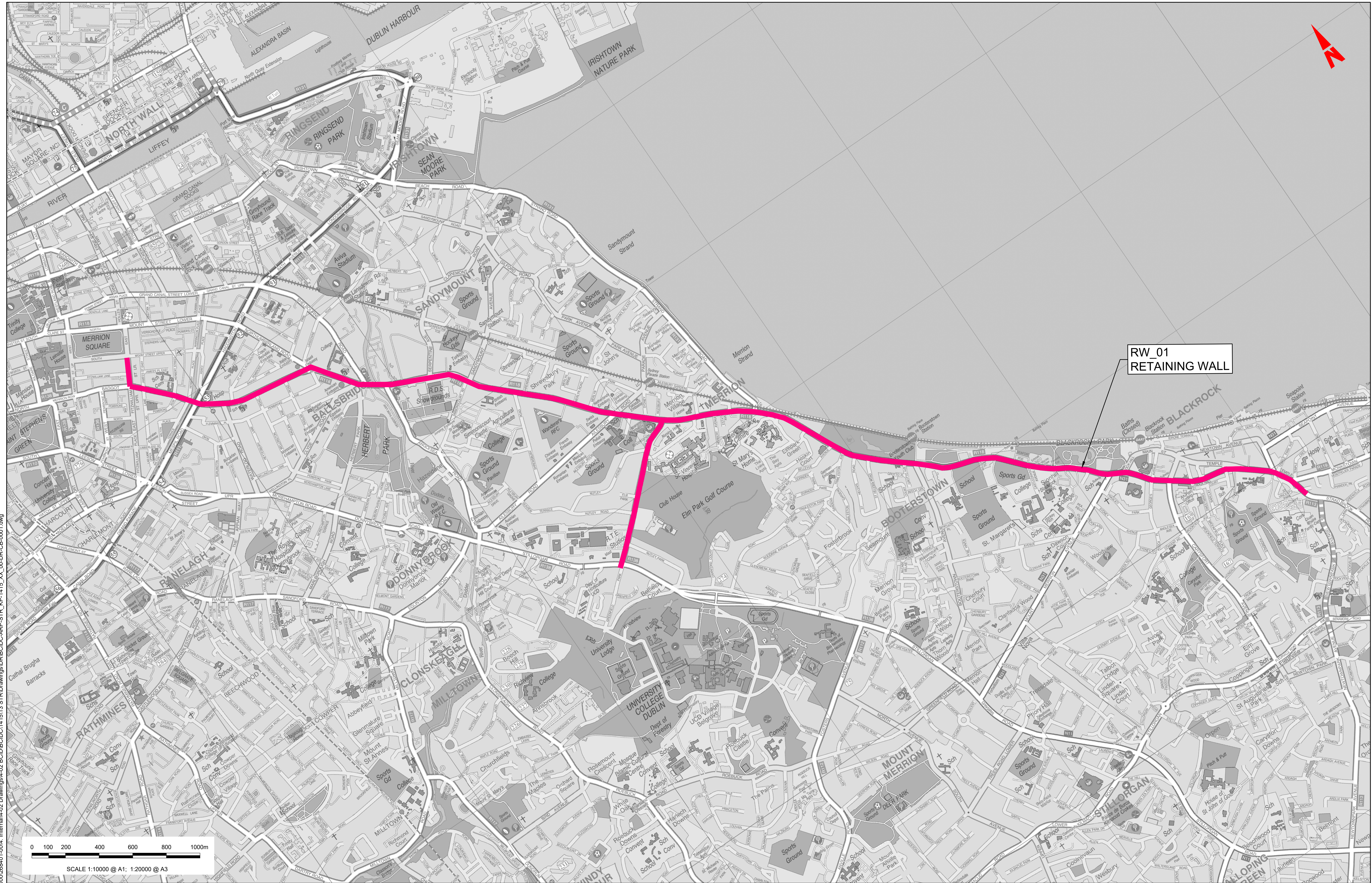


| Rev | Date | Drm | Chk'd | App'd | Description |
|-----|------------|-----|-------|-------|-----------------------------|
| M01 | 04/03/2022 | BM | BB | NH | ISSUE FOR PHASE 4: PLANNING |

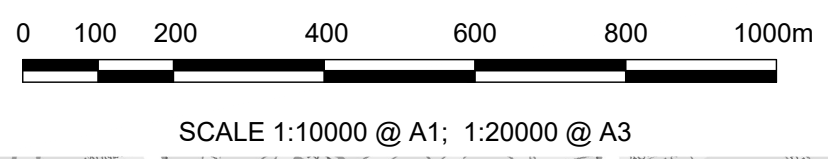
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| Client NTA Údarás Náisiúnta Iompair National Transport Authority | | Engineering Designer ARUP | | |
| Date 04/03/2022 | Scale N/A @ A1 N/A @ A3 | Drawn BM | Checked BB | Approved NH |
| Project Code BCIDC | Originator Code ARP | QMS Code 268401-00 | | |

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|--|--------------------------|-------------|------------|--|
| Programme Title BUSCONNECTS DUBLIN CORE BUS CORRIDORS INFRASTRUCTURE WORKS | | | | |
| Drawing Title BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME BRIDGES AND MAJOR RETAINING STRUCTURES COVER SHEET | | | | |
| Drawing File Name BCIDC-ARP-STR_IX-1415_XX_00-DR-CB-0001 | Sheet Number 01 of 01 | Status A | Rev M01 | |

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RW_01
RETAINING WALL



SCALE 1:10000 @ A1; 1:20000 @ A3

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| Rev | Date | Drn | Chk'd | App'd | Description |
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| M01 | 04/03/2022 | BM | BB | NH | ISSUE FOR PHASE 4: PLANNING |

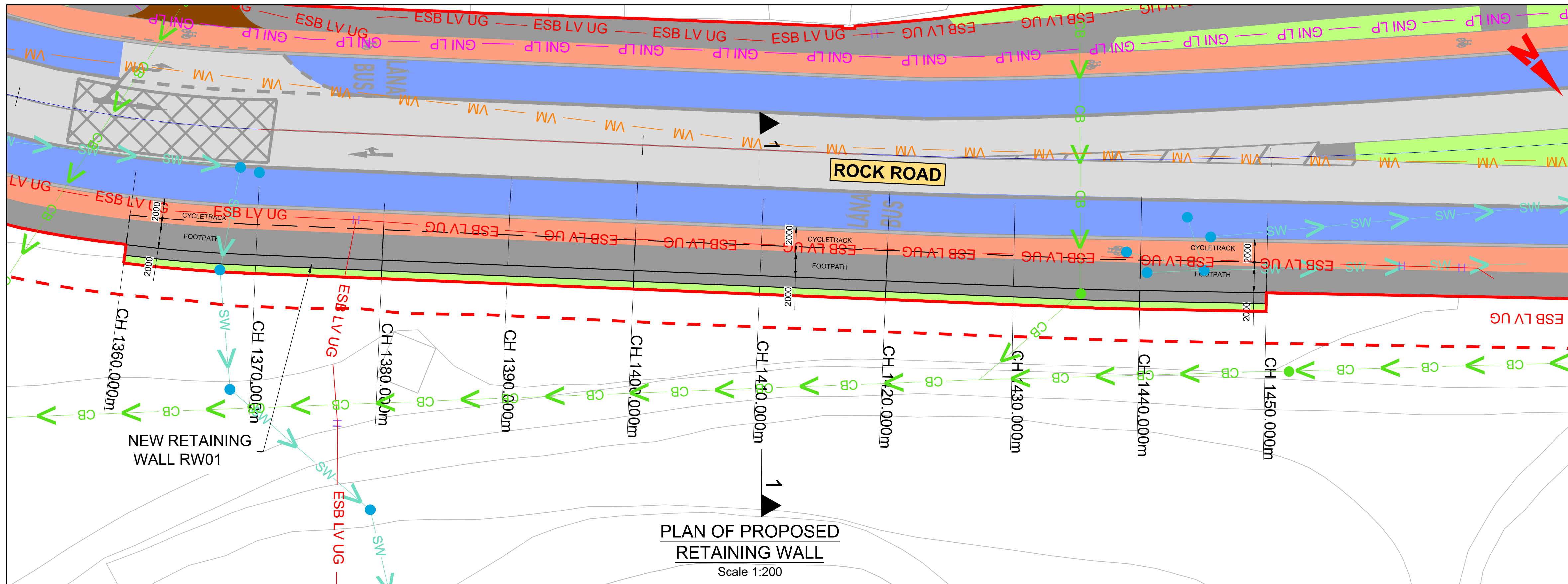
Client
NTA
 Údarás Náisiúnta Iompair
 National Transport Authority

Engineering Designer
ARUP

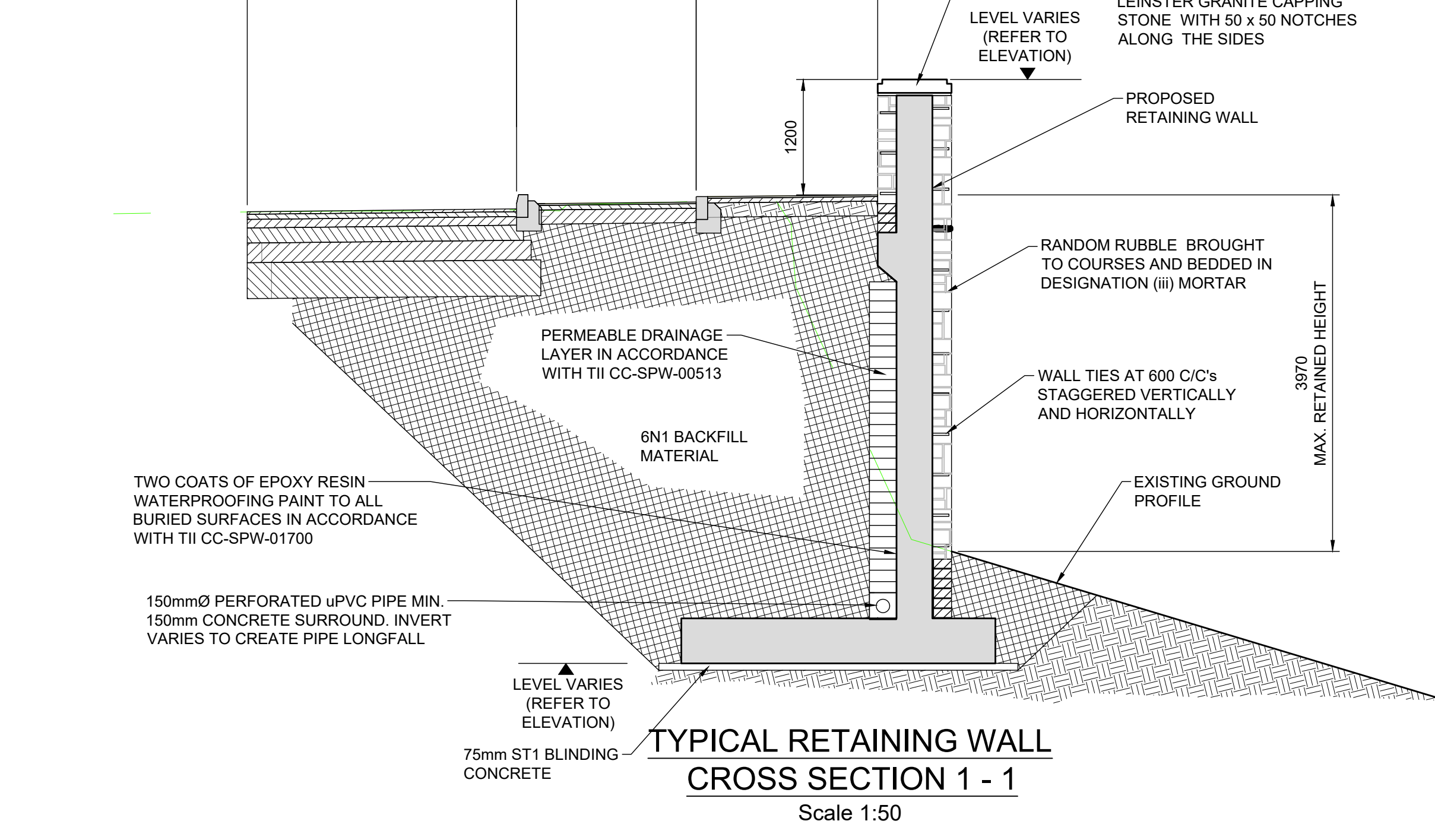
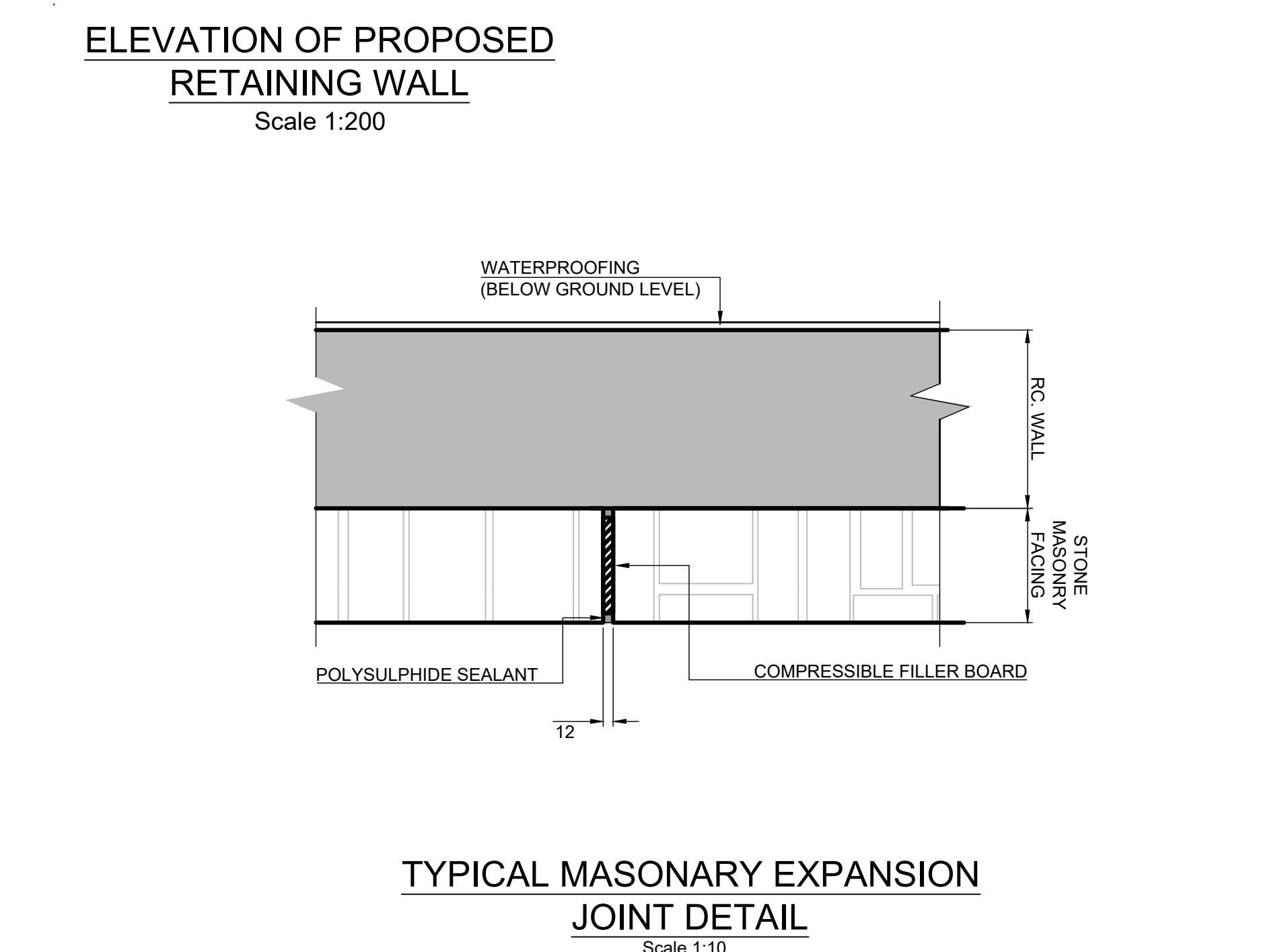
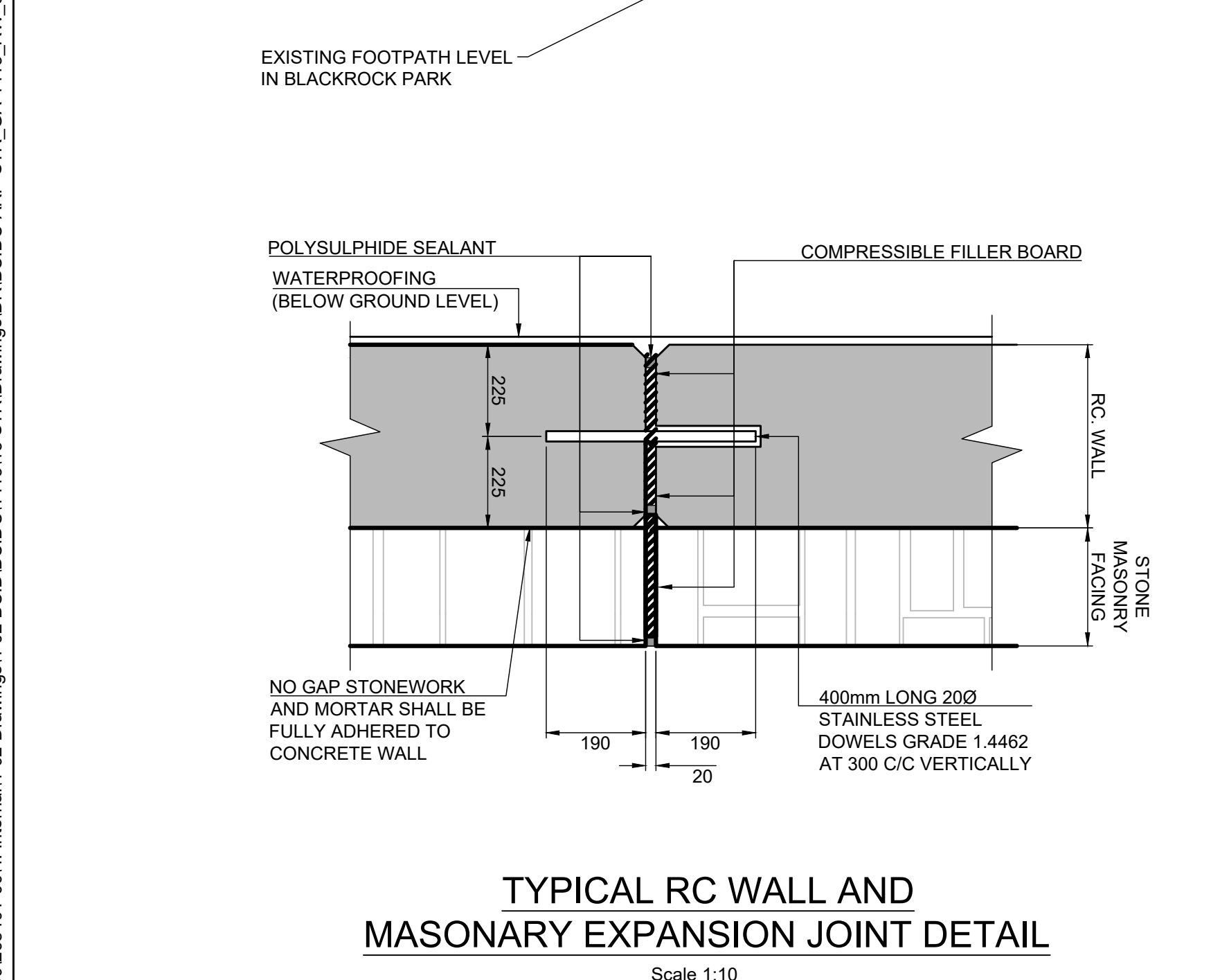
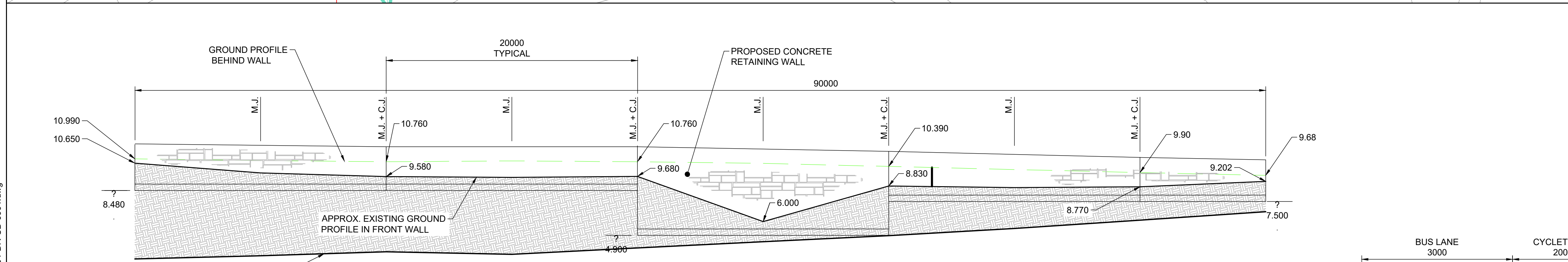
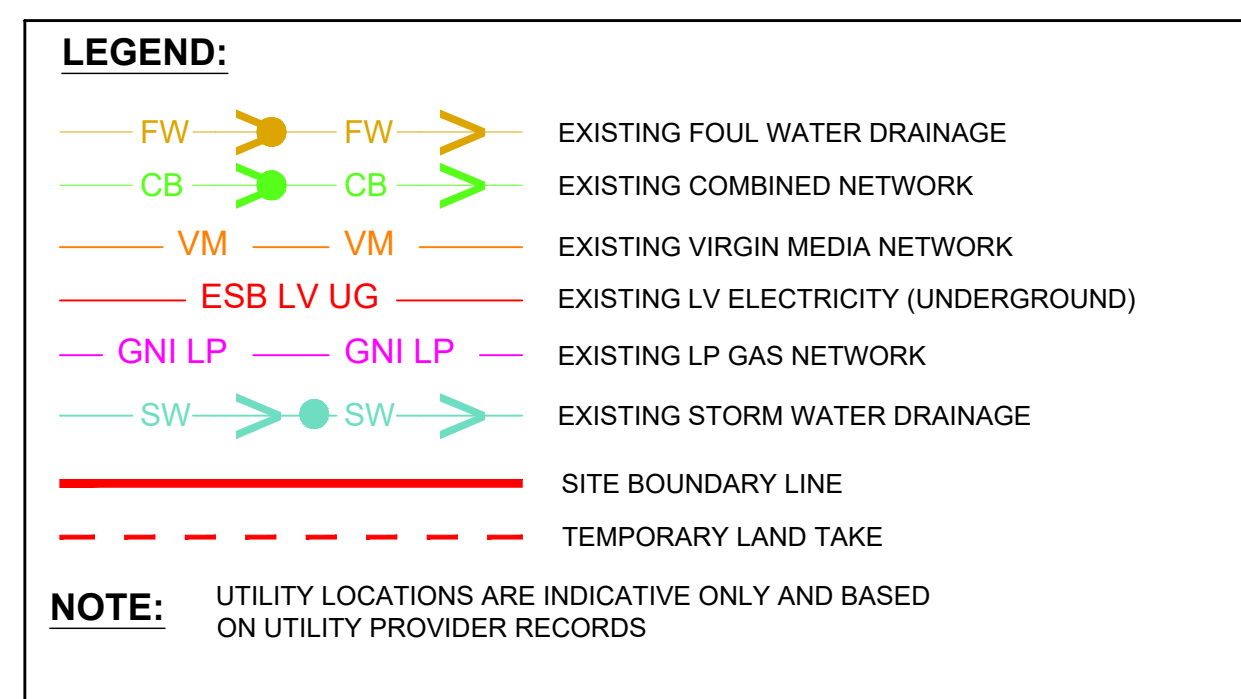
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|--------------|------------------------------|-----------|---------|----------|
| Date | Scale | Drawn | Checked | Approved |
| 04/03/2022 | 1:10000 @ A1 1:20000 @ A3 | BM | BB | NH |
| Project Code | Originator Code | QMS Code | | |
| BCIDC | ARP | 268401-00 | | |

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|--|--|--------|-----|--|
| Programme Title | BUSCONNECTS DUBLIN | | | |
| | CORE BUS CORRIDORS INFRASTRUCTURE WORKS | | | |
| Drawing Title | BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME BRIDGES AND MAJOR RETAINING STRUCTURES | | | |
| | KEY PLAN | | | |
| Drawing File Name | Sheet Number | Status | Rev | |
| BCIDC-ARP-STR_KP-1415_XX_00-DR-CB-0001 | 01 of 01 | A | M01 | |

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- NOTES:**
- ALL DIMENSIONS ARE SHOWN IN MILLIMETRES UNLESS NOTED OTHERWISE.
 - ALL LEVELS ARE SHOWN IN METRES ABOVE ORDNANCE DATUM USING GEIOD OSGM02.
 - FINISHES:
 - BURIED UNFORMED SURFACES - U1
 - BURIED FORMED SURFACES - F1
 - EXPOSED UNFORMED SURFACES (EXCLUDING AREA TO BE WATERPROOFED) - U3
 - ALL OTHER EXPOSED FORMED SURFACES - F4
 - MATERIALS:
 - LOCATION: CONCRETE GRADE: - C45/55 (50% GGBS)
 - RETAINING WALLS
 - NON-STRUCTURAL CONCRETE: CONCRETE GRADE: - ST1
 - LOCATION: CONCRETE FOR BLINDING
 - BURIED CONCRETE SURFACES SHALL BE TREATED WITH TWO COATS OF EPOXY RESIN WATERPROOFING PAINT IN ACCORDANCE WITH TII CC-SPW-01700.
 - ALL EXPOSED CONCRETE SHALL BE IMPREGNATED WITH A HYDROPHOBIC PORE LINER IN ACCORDANCE WITH THE TII CC-SPW-01700.
 - EXTERNAL CONCRETE ARISES TO BE CHAMFERED 25x25 UNO.
 - INTERFACE BETWEEN NATURAL GROUND WITH 6N AND INTERFACE BETWEEN EMBANKMENT FILL WITH 6N TO BE BENCHED. MAXIMUM BENCH HEIGHT SHALL BE 0.5M AND BENCHES SHALL HAVE A MINIMUM SLOPE GRADIENT OF 5%.
 - STONE MASONRY FACING TO BE ANCHORED TO RETAINING WALL USING ANCON POST FIXED STAIFIX UNIVERSAL WALL STARTER SYSTEM AND SD21 125MM WALL TIES OR EQUIVALENT AT 600MM STAGGERED HORIZONTAL AND VERTICAL CENTRES.
 - LOCALISED SOFT SPOTS, IF PRESENT, TO BE EXCAVATED AND REPLACED WITH 6N2



| | | | | | | | | | |
|--|--|---|--|---|--|---|--|---|--|
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| <p>Issue FOR PHASE 4: PLANNING</p> | | <p>Date 04/03/2022</p> <p>Project Code BCIDC</p> | | <p>Scale As Shown @ A1 As Shown @ A3</p> <p>Drawn BM</p> <p>Checked BB</p> <p>Approved NH</p> | | <p>Drawing Title</p> <p>BELFIELD / BLACKROCK TO CITY CENTRE CORE BUS CORRIDOR SCHEME BRIDGES AND MAJOR RETAINING STRUCTURES RETAINING WALL 01 GENERAL ARRANGEMENT</p> | | <p>Drawing File Name BCIDC-ARP-STR_GA-1415_RW_01-DR-CB-0001</p> <p>Sheet Number 01 of 01</p> <p>Status A</p> <p>Rev M01</p> | |

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