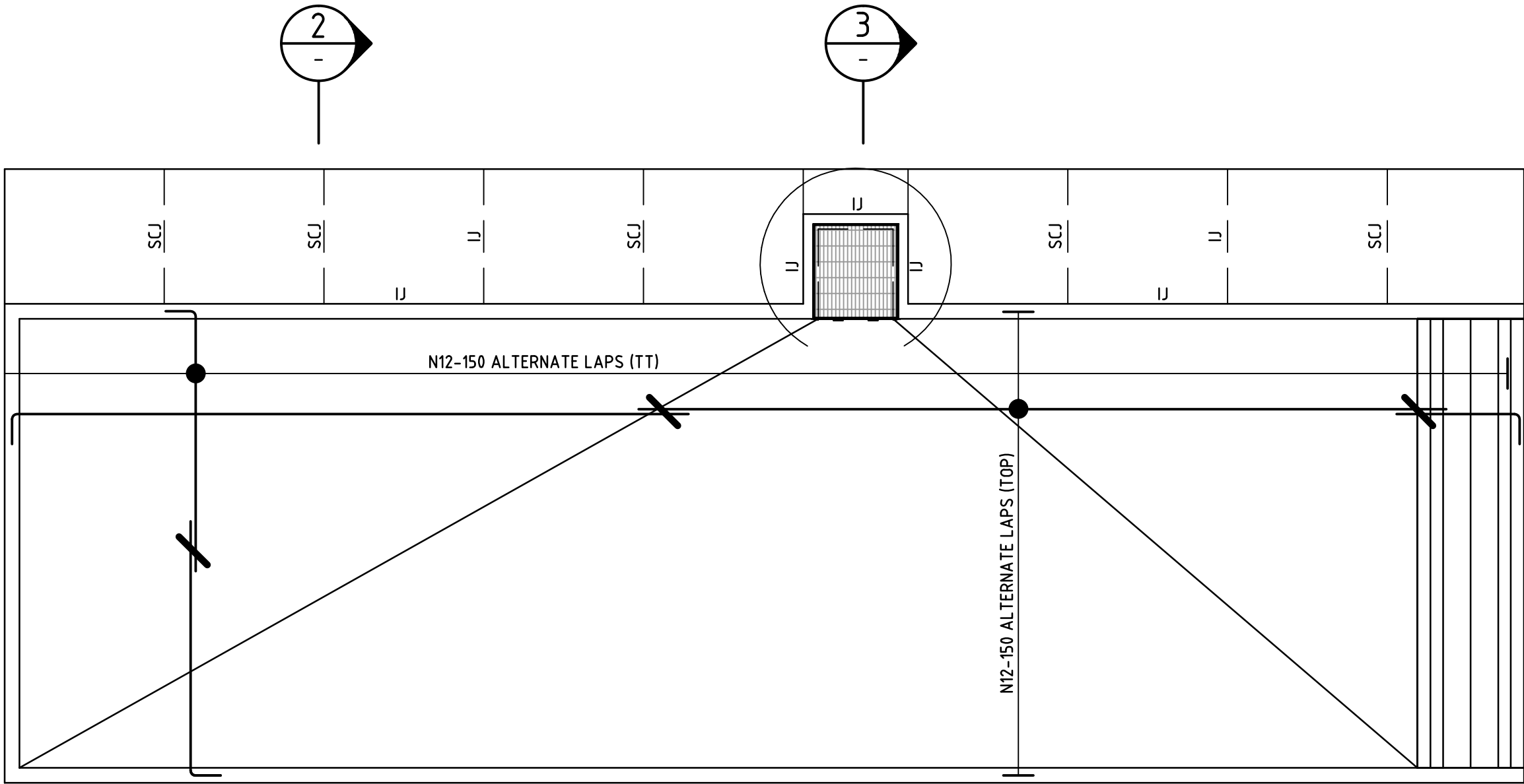


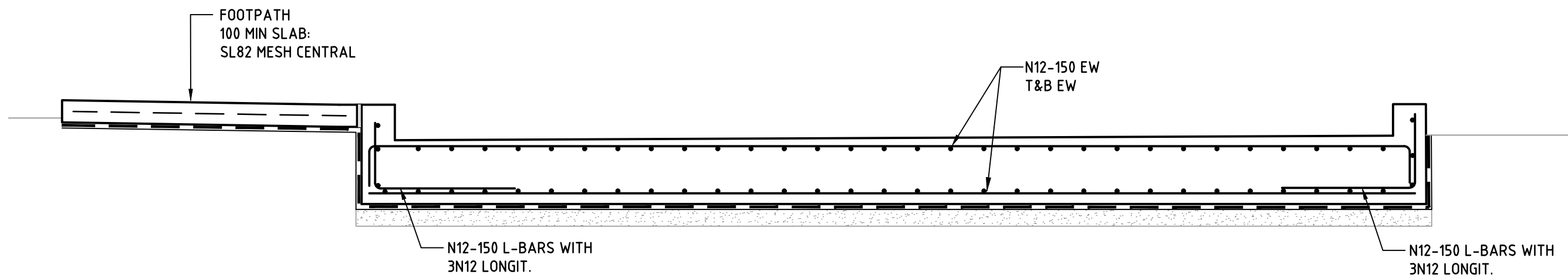
THIS DRAWING MAY ONLY BE USED IN THE COURSE OF AND FOR THE PURPOSE OF CREATING SYDNEY WATER ASSETS. USE THIS DRAWING WITH CARE. YOU ARE RESPONSIBLE TO APPLY THE WORK SHOWN IN THIS DRAWING CORRECTLY IN THE CIRCUMSTANCES OF YOUR PROJECT. YOU MUST ENSURE THE WORK IS FIT FOR PURPOSE AND WILL PERFORM ITS INTENDED FUNCTION AS REQUIRED.

NOTES:

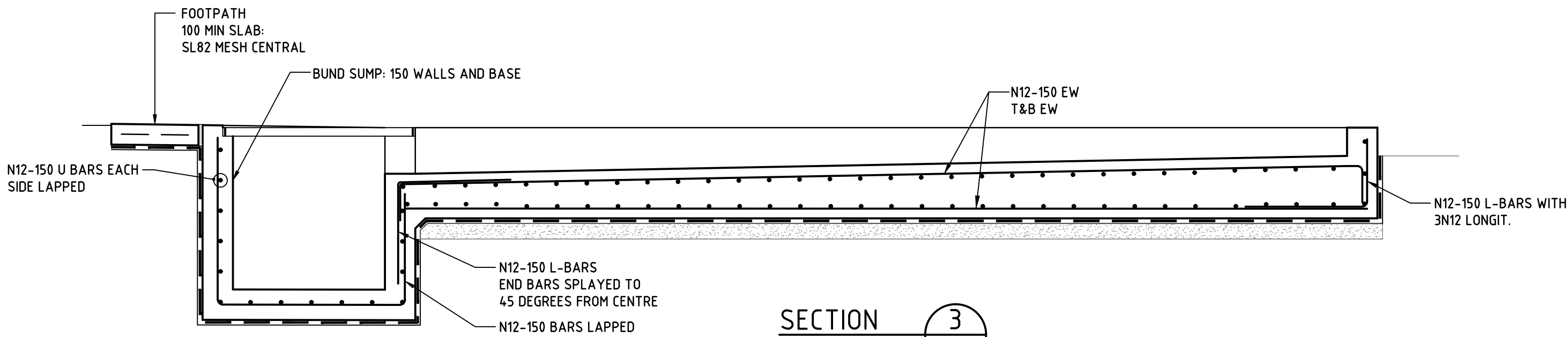
- FOR GENERAL NOTES REFER TO DRG No. DTC-7002.
- FOR DELIVERY BUND CONCRETE DETAILS REFER TO DRG No. DTC-7006.
- CHEMICAL DELIVERY BUND SHAPE AND SIZE SHOWN IS GENERIC ONLY. IF DESIGN CANNOT BE USED BECAUSE OF THIS CONSTRAINT THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION.
- BUND CONCRETE SHALL BE GRADE S4.0 WITH THE FOLLOWING PROPERTIES:
 - MIN CEMENTITIOUS MATERIAL CONTENT 400kg/m³
 - 56 DAY DRYING SHRINKAGE 600x10-6
 - WATER / CEMENT RATION < 0.50.
 - TOTAL REACTIVE ALKALI CONTENT < 3.0kg Na₂O PER m³
- BUND TO BE COLOURED RED OXIDE FOR FERRIC/FERROUS CHLORIDE AND TO BE INTEGRAL TO CONCRETE MIX, NOT PAINTED.
- BUND STORAGE CAPACITY DESIGNED IN ACCORDANCE WITH SWC TECHNICAL SPECIFICATION ACP0002, AS3678 & CHEMICAL SUPPLIER REQUIREMENTS AT TIME OF DESIGN.
- ROLLOVER TO HAVE PAINTED STRIPES.
- CONCRETE EXPOSURE CLASSIFICATION: DELIVERY BUND - B2 (AS3735) FOR TOP SURFACES.
- ALL WORKMANSHIP & MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT EDITIONS OF AS3600, AS1478, AS3582, AS3972 AND AS3735.
- THE CHEMICAL DELIVERY BUND IS DESIGNED AS A WATER RETAINING STRUCTURE IN ACCORDANCE WITH AS3735.
- DESIGN LOADING: A160 AXLE AND T44 TRUCKS.
- ROLLOVER HEIGHT SAMPLE ONLY. DETAILED DESIGNER TO CHECK LEVELS ON SITE AND DESIGN BUND TO ENSURE A B99 VEHICLE (AS2890.1) CAN DRIVE-IN AND DRIVE-OUT WITHOUT SCRAPING THE BOTTOM OF THE VEHICLE.



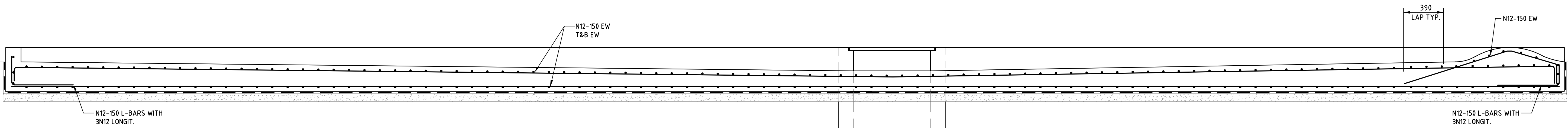
PLAN
SCALE 1:50



SECTION 2
SCALE 1:20



SECTION 3
SCALE 1:20



SECTION 1
SCALE 1:20

Sydney
WATER

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APPROVED MAR 2017

KEN WIGGINS
MANAGER, E & ES

ENGINEERING & ENVIRONMENTAL SERVICES

A

ORIGINAL ISSUE

DETAILS OF AMENDMENT

KW

17/03/16

APP'D

DATE

DEEMED TO COMPLY DRAWINGS

CHEMICAL DOSING & RECHLORINATION UNIT
GENERIC DELIVERY BUND
REINFORCEMENT DETAILS

DTC

7007