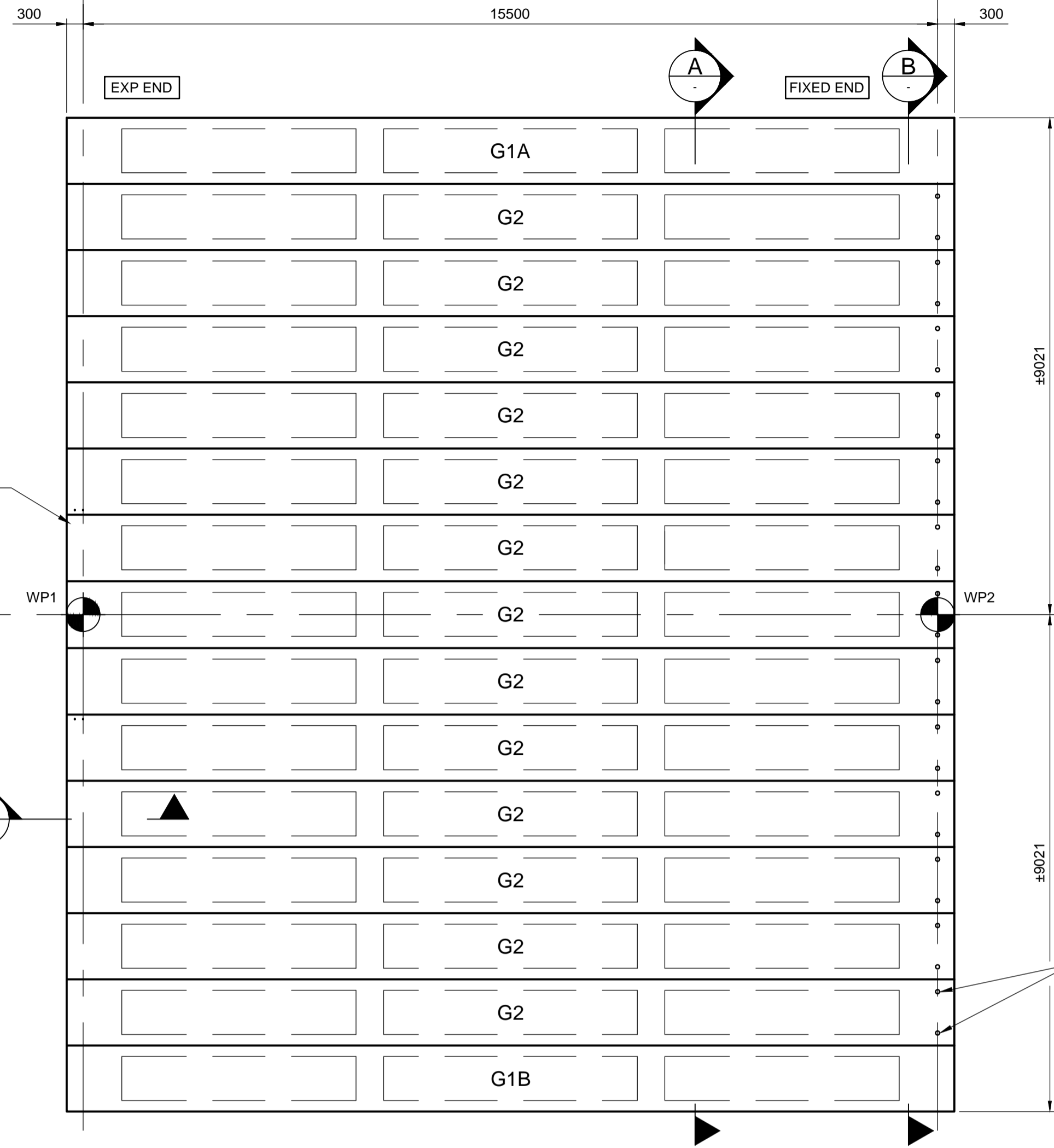


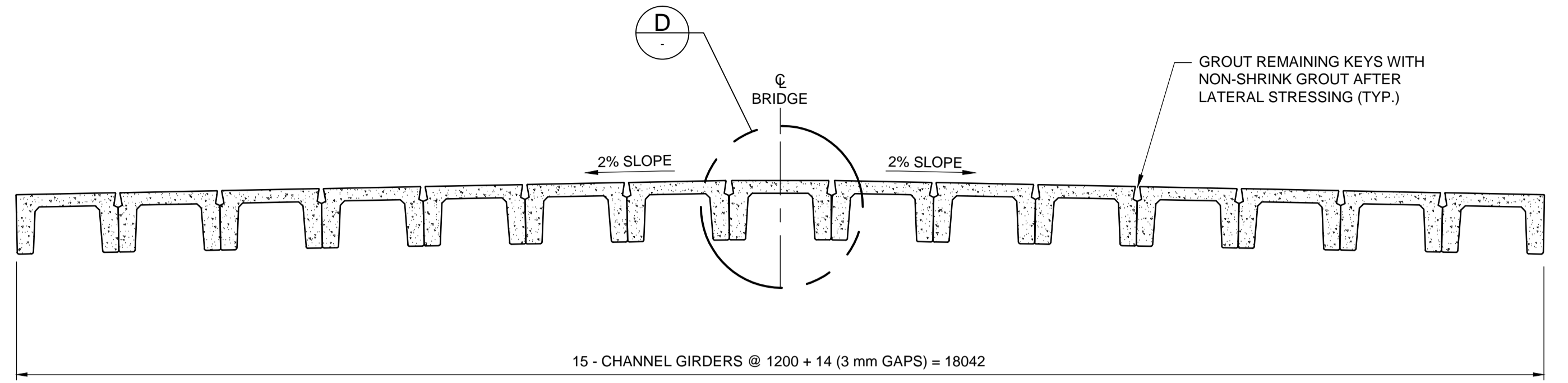
SU.1
BRG
S. ABUT

SU.2
BRG
N. ABUT

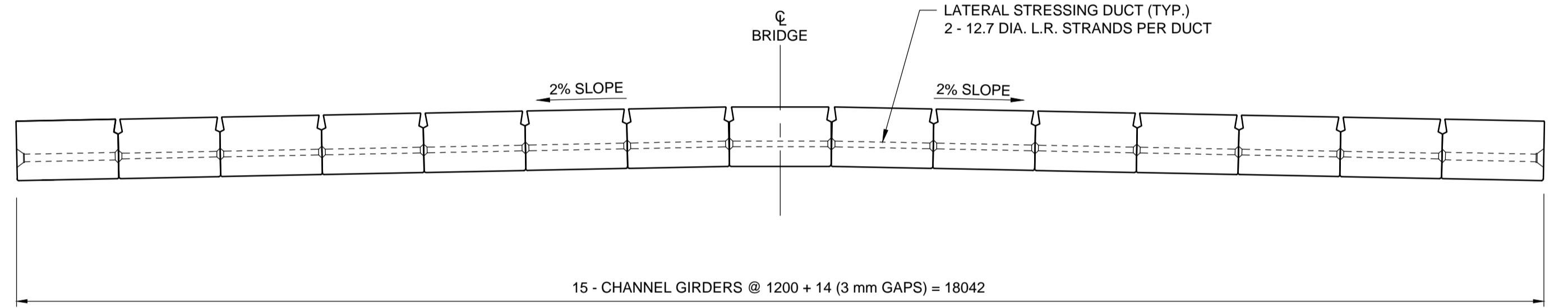


GIRDER LAYOUT
1:75

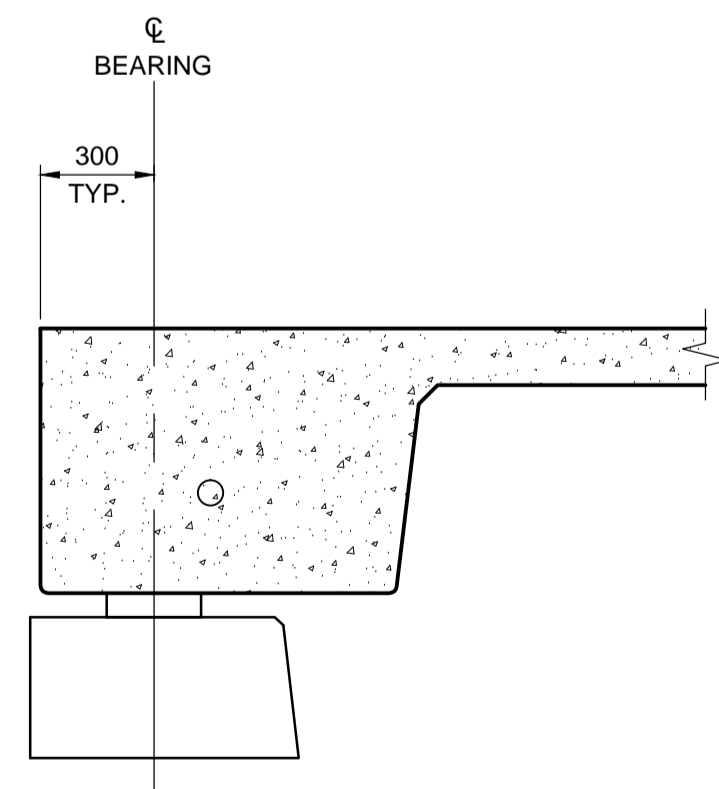
DAYTON SUPERIOR
STRUCTURAL INSERTS, F-57
FOR STEEL RETAINING
ANGLES AT EXPANSION END
OF 2 - GIRDERS MK. G2 ONLY.
SEE DETAILS ON SHEET 12



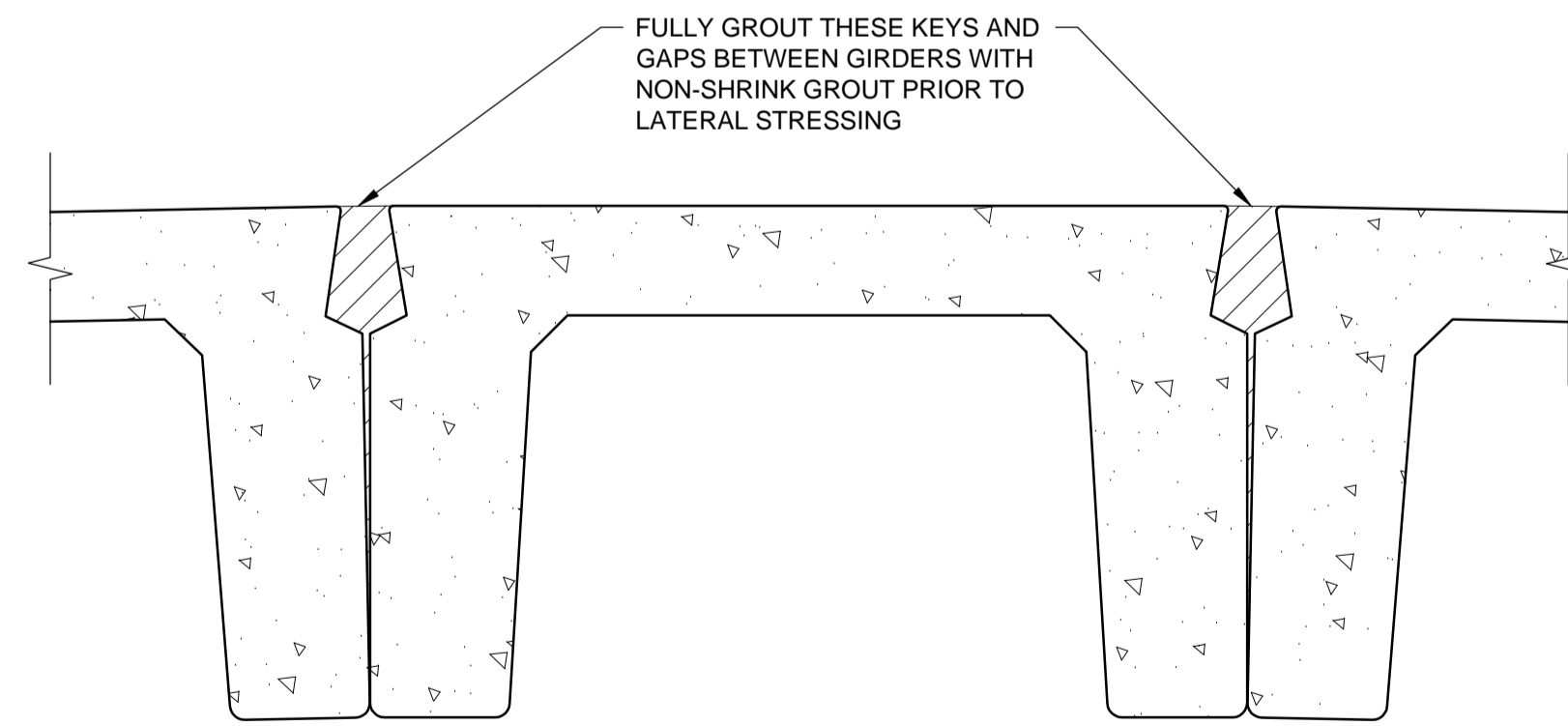
SECTION A
1:50



SECTION B
1:50



SECTION C
1:20



DETAIL D
1:10



SEQUENCE OF OPERATIONS:

- GROUT CENTRAL CONTINUOUS KEYS AS SHOWN ON DETAIL D ON SHEET 11.
- PLACE & GROUT ANCHOR RODS AT THE FIXED END OF THE CENTER GIRDER.
- STRESS LATERAL POST-TENSIONING STRANDS AT 4 LOCATIONS PER SPAN. JACKING FORCE PER STRAND SHALL BE 103 kN.
- GROUT LATERAL STRESSING DUCTS.
- PLACE AND GROUT REMAINING ANCHOR RODS, KEYS AND UNUSED ANCHOR ROD HOLES.
- THE AREA BETWEEN SUBSTRUCTURE UNITS AND THE GIRDERS SHALL BE KEPT FREE OF GROUT.
- GROUT FOR THE ANCHOR RODS, KEYS AND LATERAL STRESSING DUCTS SHALL BE A NON-SHRINK MORTAR WITH A MINIMUM COMPRESSIVE STRENGTH OF 40 MPA AFTER 24 HOURS.

NOTES:

- THE ENDS OF THE CHANNEL GIRDERS AT FIXED BEARING LOCATIONS SHALL BE PLACED IN A STRAIGHT LINE FOR THE FULL WIDTH OF THE BRIDGE.
- ALL FIXED ENDS OF INTERIOR GIRDERS SHALL BE FABRICATED WITH ANCHOR ROD HOLES.
- APPLY GALVALLOY TO ALL FIELD WELDS AND AREAS WHERE GALVANIZING HAS BEEN DAMAGED.
- FIRST TWO CHARACTERS IN GIRDER MARK IDENTIFIES THE GIRDER TYPE.

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

B.M. ELEV.	DESIGNED BY CDW	 	 RECONSTRUCTION OF THE ST. JAMES STREET BRIDGE OVER OMAND'S CREEK	CITY DRAWING NUMBER B126-13-11
	DRAWN BY NBG, CGC			SHEET 11 OF 26
	CHECKED BY SSR			CONSULTANT DRAWING NUMBER
	APPROVED BY MBL			GIRDERS 1 OF 5
	HOR. SCALE AS SHOWN	RELEASED FOR CONSTRUCTION	CONSULTANT PROJECT NUMBER 13-7555	
0 ISSUED FOR TENDER 13/11/07 SSR	VERTICAL	DATE 13/11/07	DATE	
NO. REVISIONS	DATE	BY	DATE	

G:\CAD\137555\09-Structural\01-Contract\137555-09-girders-1 OF 5-CON.dwg