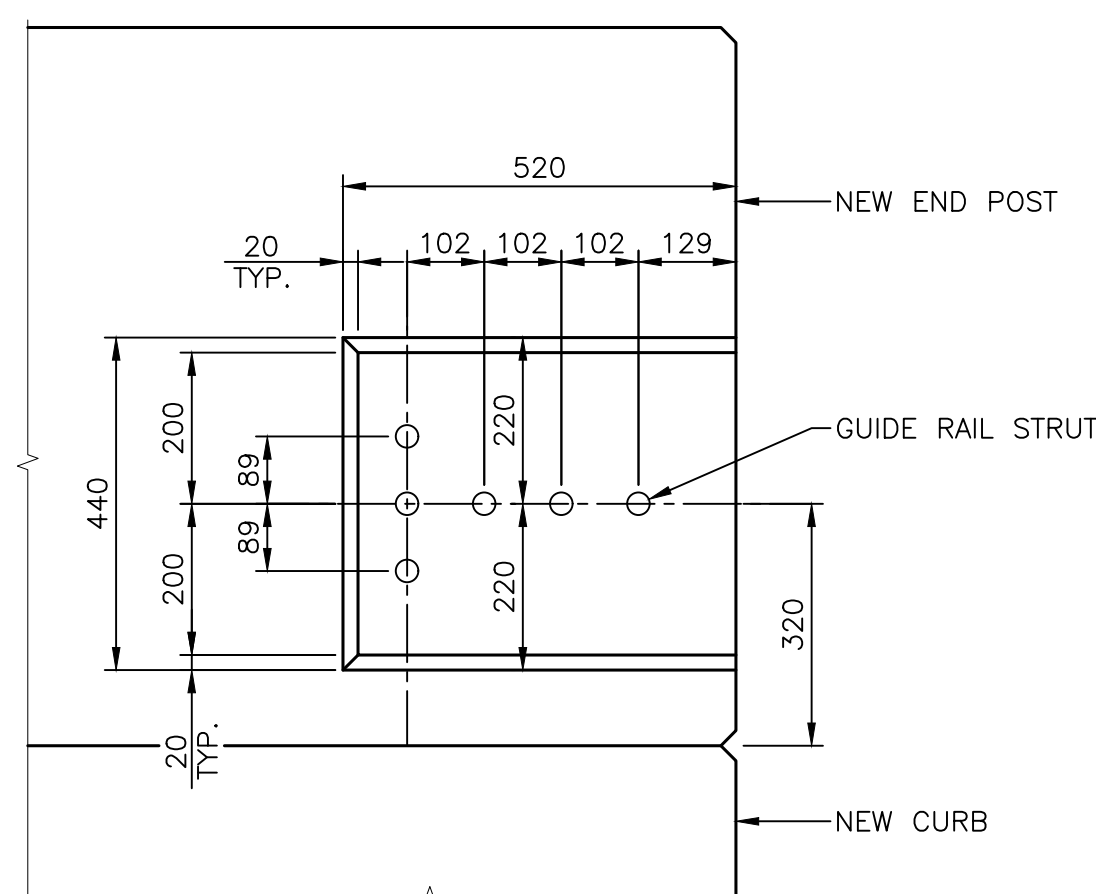
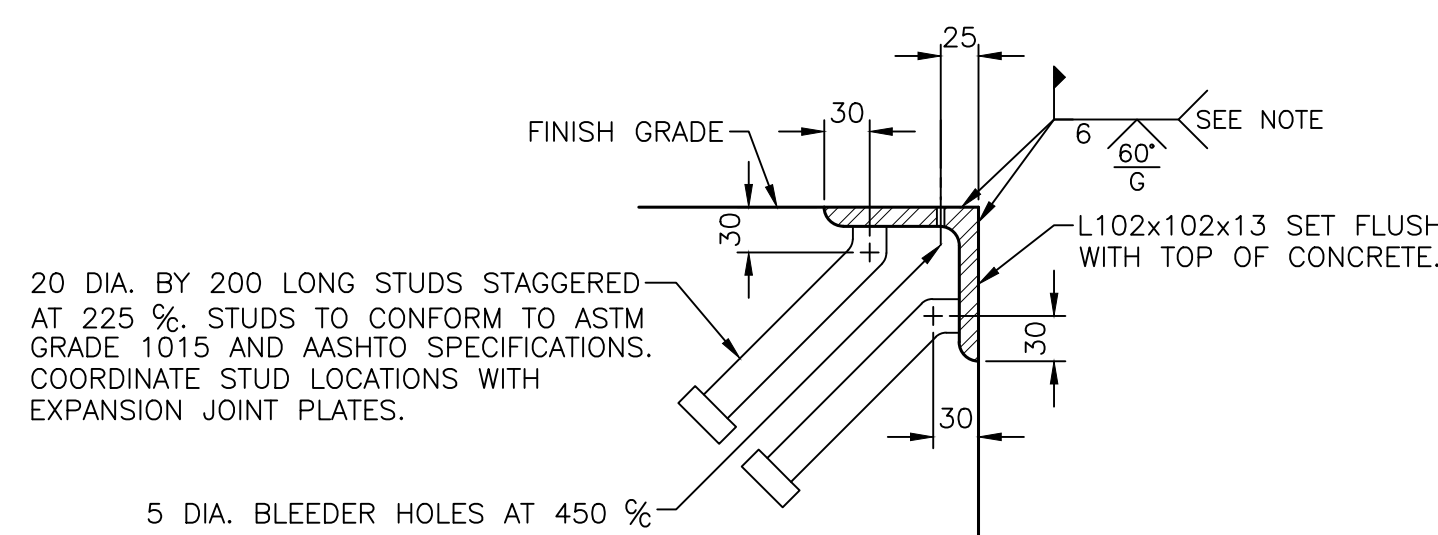


SECTION THRU ABUTMENT AT BALLAST WALL (S04)

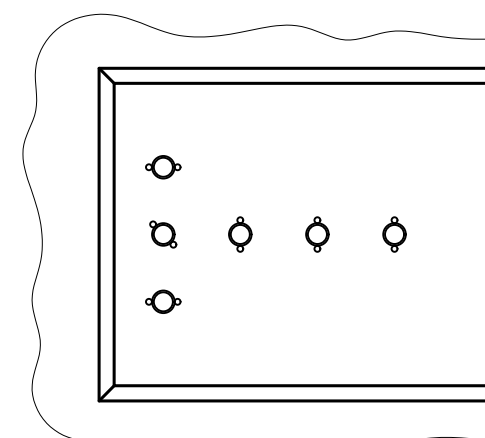


END BLOCK STRUT LOCATIONS FOR END SHOE (S04)



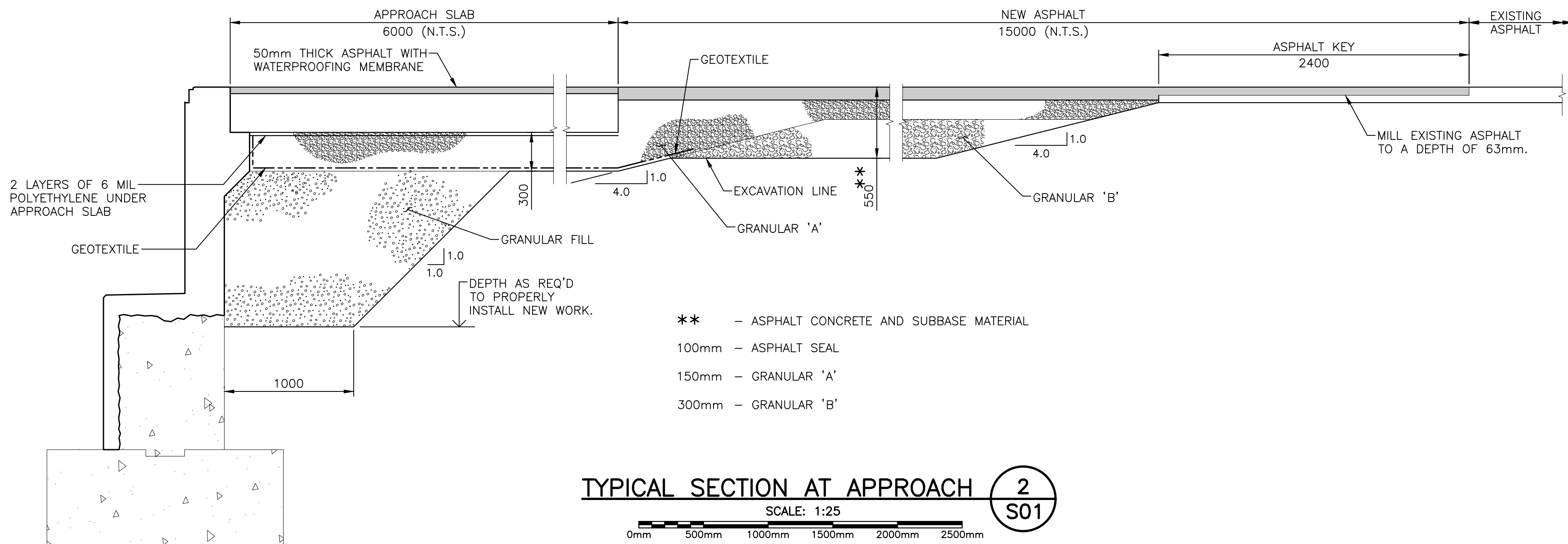
BALLAST WALL ANGLE DETAIL (S05)

- NOTES:
- USE 2 STRUT 1" DIA. EXPANDED COIL INSERT ANCHORS Q/W FULLY TREATED A307 7/8" DIA. GALV. STEEL BOLTS AND S.A.E. A325 1-3/4" O.D. x 15/16" I.D. x 1/8" THICK TYPE 1 HARDENED ROUND GALV. WASHERS.
 - DECORATIVE DETAILS ON END POST NOT SHOWN FOR CLARITY. SEE DWG. S17 FOR DETAILS.



STRUT ORIENTATION DETAIL (S04)

- NOTES:
- BALLAST WALL ANGLE TO BE FIELD WELDED AT CENTRE LINE OF ABUTMENT ONLY. FIELD WELD AS INDICATED ON DWG.
 - ALL STEEL SURFACES, WITH THE EXCEPTION OF ANCHOR STUDS, SHALL BE SANDBLASTED TO A WHITE METAL FINISH AND COATED WITH AN APPROVED INORGANIC ZINC COATING.



TYPICAL SECTION AT APPROACH (S01)

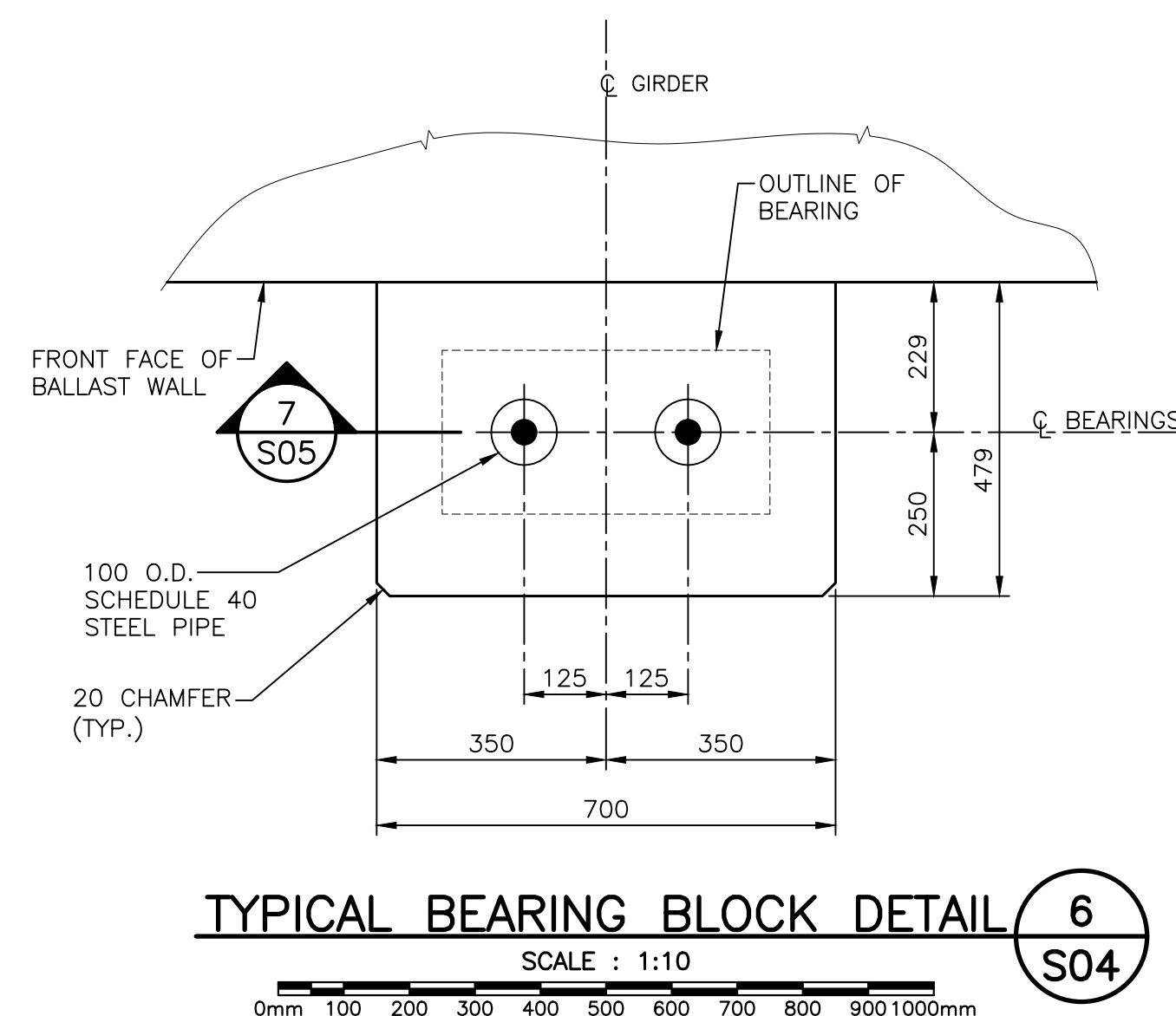
- NOTES:
- ALL DIMENSIONS ARE EXPRESSED IN MILLIMETRES.
 - ALL STATIONS AND ELEVATIONS ARE EXPRESSED IN METRES.
 - ALL EXPOSED EDGES OF CONCRETE SHALL HAVE A 20mm x 20mm CHAMFER UNLESS NOTED OTHERWISE.
 - ALL NOTCHES TO BE 20mm x 20mm UNLESS NOTED OTHERWISE.

- LEGEND
- NEW CONCRETE
 - CONCRETE TO REMAIN

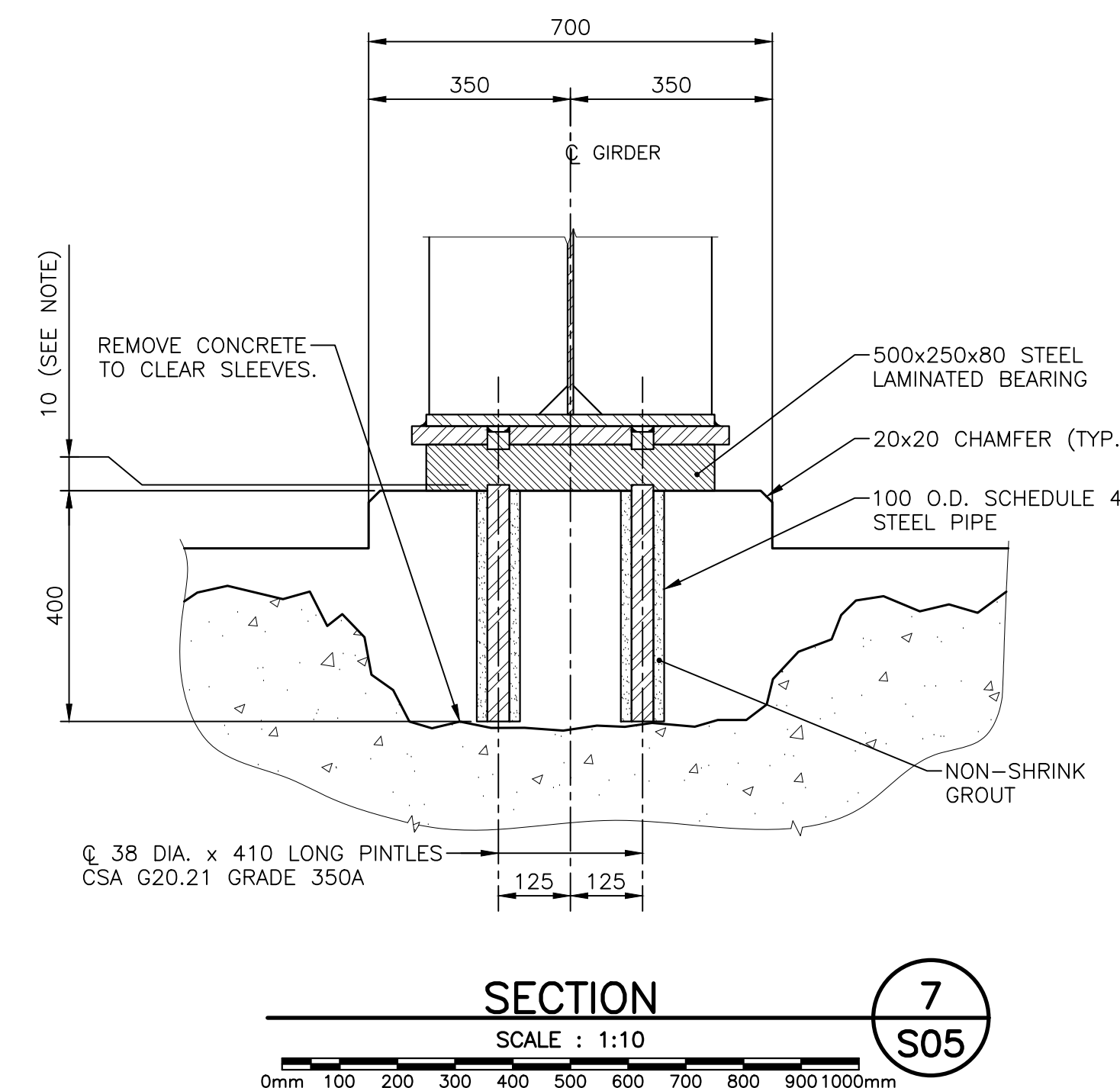
LOCATION	BEARING SIZE	SERVICEABILITY LIMIT STATES SLS COMBINATION 1						ULTIMATE LIMIT STATES				COMPRESSIVE STIFFNESS K_1 (kN/mm)	SHEAR STIFFNESS K_2 (kN/mm)	
		R D MAX (kN)	R L+DLA (kN)	R D+L+DLA (kN)	MOVEMENT (mm)	α_c (RAD.)	α_{D+DLA} (RAD.)	$\alpha_{C+L+DLA}$ (RAD.)	R D MAX (kN)	R L+DLA (kN)	R D+L+DLA (kN)	H MAX (kN)	-40°C	+20°C
WEST AND EAST ABUTMENT	500 x 250 x 80	269	368	637	$\pm 11^*$	0.01270	0.00308	0.01578	331	696	1027	88	3.96	1.23

- * - BASED ON BEARING INSTALLATION AT 15°C CONSTRUCTION TEMPERATURE
- R - VERTICAL LOAD
H - HORIZONTAL LOAD
D - DEAD LOAD
- α_c - CONSTRUCTION TOLERANCE ROTATION
 α_{L+DLA} - LIVE LOAD + DYNAMIC LOAD ALLOWANCE ROTATION
 $\alpha_{D+L+DLA}$ = DEAD LOAD + LIVE LOAD + DYNAMIC LOAD ALLOWANCE

- NOTES:
- BEARING BLOCK ELEVATIONS ARE BASED ON BEARING SIZE SHOWN. ELEVATIONS ARE TO BE ALTERED IF BEARING IS SUBSTITUTED.
 - FOR STEEL PLATE, PINTLES AND BEAM DETAILS, SEE DWG. S15.
 - PINTLE DEPTH INTO BEARING MAY VARY. PINTLES MUST PENETRATE INTO THE BEARING TO ENGAGE THE FIRST STEEL SHIM PLATE.



TYPICAL BEARING BLOCK DETAIL (S04)



SECTION (S05)