- 1. ALL EXPOSED CONCRETE CORNERS SHALL HAVE A 20 mm CHAMFER UNLESS NOTED OTHERWISE.
- 2. SLAB CONCRETE TOLERANCES: ±5 mm, CROSS SECTION ±2 mm.
- 3. SLAB DIMENSIONS ARE BASED ON A 20° C TEMPERATURE AT RELEASE. 4. MINIMUM 90 DAYS MUST HAVE ELAPSED SINCE TIME OF TRANSFER OF
- PRESTRESSING FORCES INTO SLABS AND SLABS ERECTION. 5. THE PRESTRESSING STRANDS SHALL CONFORM TO CSA G279-M1982. PRESTRESSING STRAND SHALL BE 15.2 mm DIAMETER, 7 WIRE LOW RELAXATION UNCOATED STRANDS.

MINIMUM TENSILE STRENGTH Fpu = 1860MPa

PRESTRESSING FORCE TABLE			
	SLAB TYPE I	SLAB TYPE II	
JACKING FORCE PER STRAND	195.5 kN	195.5 kN	
PRESTRESSING FORCE AFTER ALL LOSSES	181.5 kN	176.3 kN	

- 6. HALF OF STRANDS ARE EXTENDED 1000 BEYOND THE FACE OF GIRDER.
- 7. SLAB 2 AT THE EXPANSION JOINT SIDE RECESS CUT-OFF PRESTRESSING STRANDS 19mm SHY OF GIRDER END 50mm WIDE EXPANDED FOAM DOUGHNUT OR OTHER ACCEPTED MEANS. AFTER TRANSFER, CUT OFF STRAND AT FACE OF RECESS, CLEAN AND APPLY APPROVED EPOXY BONDING AGENT TO RECESS SURFACE, AND GROUT RECESS FLUSH WITH FINISHED END FACE OF GIRDER.
- 8. HANDRAIL ANCHOR INSERTS TO BE CAST INTO CURB AT THE REQUIRED LOCATIONS.
- 9. THE SLAB CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AS FOLLOW:
- AT TIME OF TRANSFER OF PRE-TENSIONING FORCES fci = 32 MPa. AT 28 DAYS f'c = 40 MPa.

∕-T.O. CURB ∕−T.O. SLAB

/EXPANSION JOINT SEE SHEET NO. 151

(SEE NOTE 7)

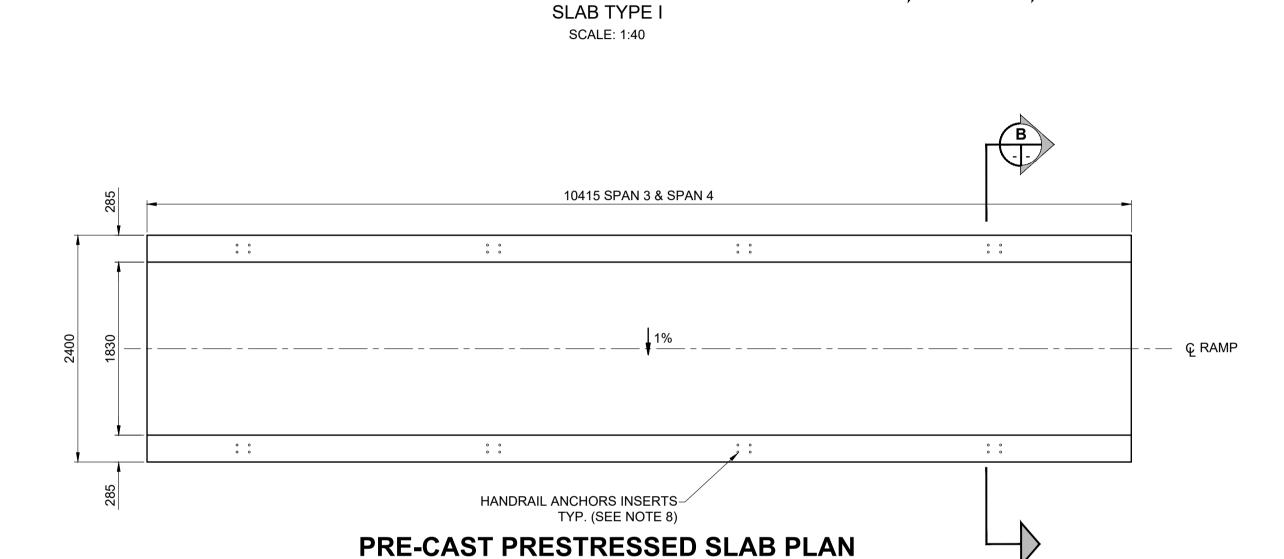
-13 THICK SOLE PLATE

SLAB 2 AT EXPANSION JOINT

MK. "SP1"

SECTION

SCALE: 1:15



SLAB TYPE II SCALE: 1:40

8410 SPAN 1

8650 SPAN 2

0 0

0 0

- Ç RAMP

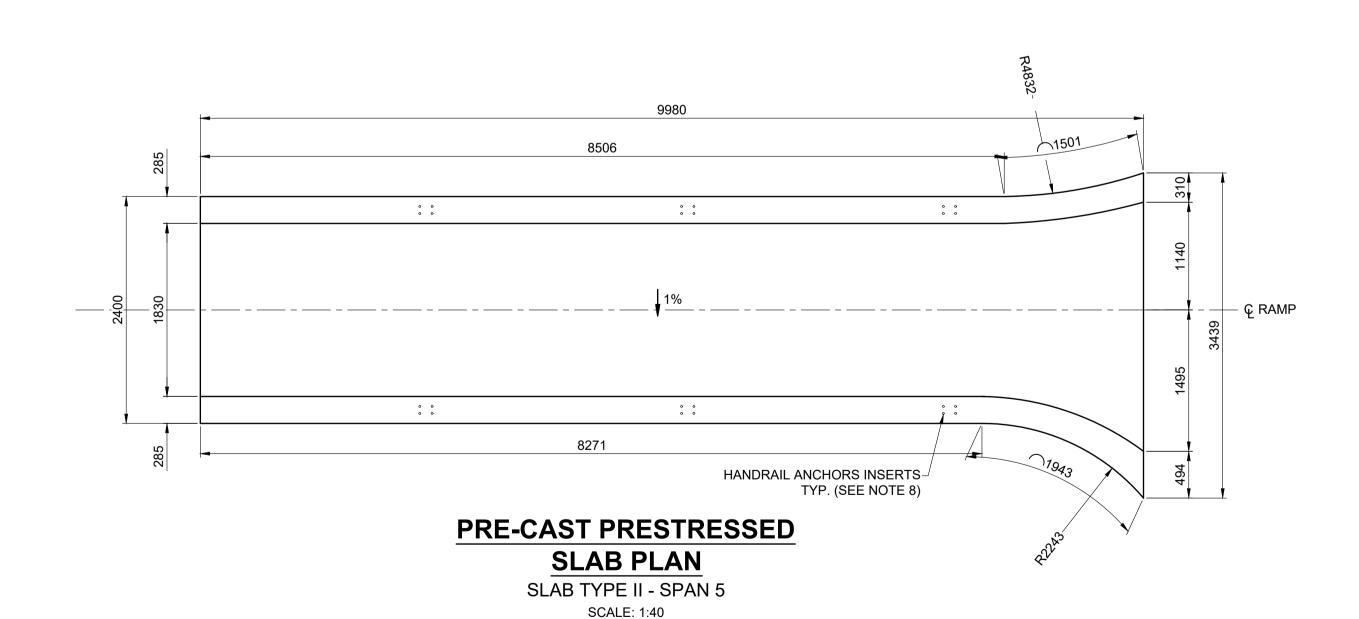
0 0

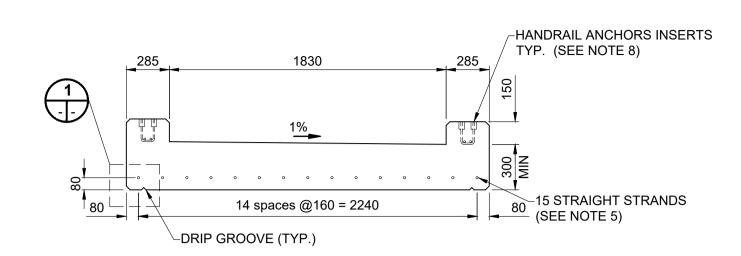
PRE-CAST PRESTRESSED SLAB PLAN

0 0

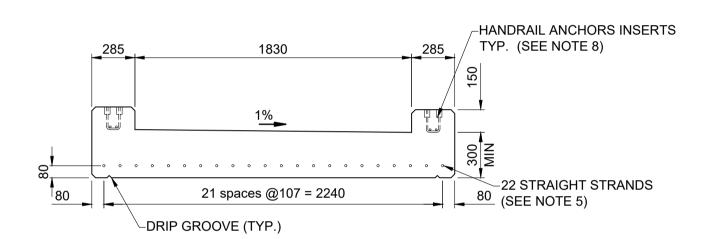
HANDRAIL ANCHORS INSERTS-

TYP. (SEE NOTE 8)

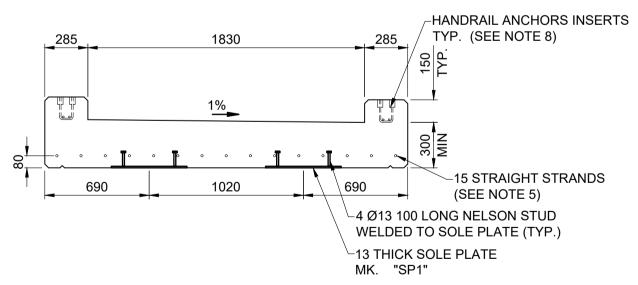












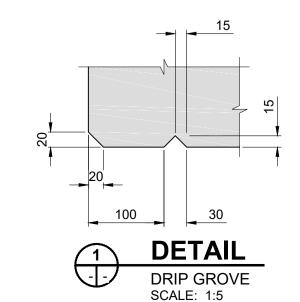


DETAIL - SOLE PLATE MK. "SP1" SCALE 1:25

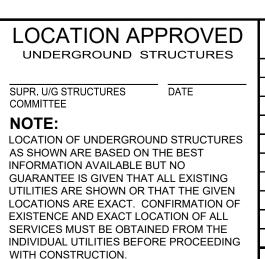
-13 THICK SOLE PLATE

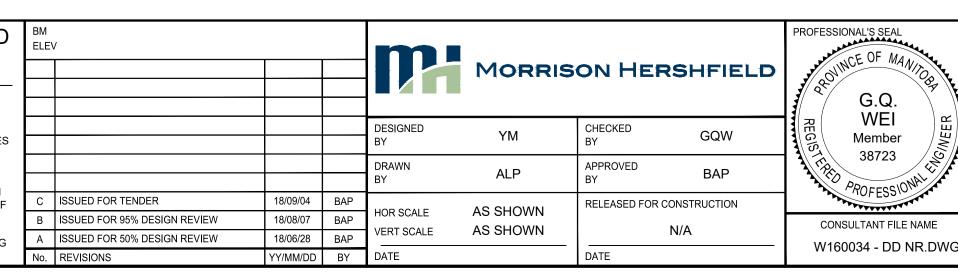
└4 Ø13 100 LONG NELSON STUD

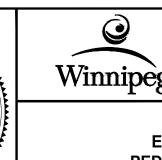
WELDED TO SOLE PLATE (TYP.)











G.Q. WEI

BID OPPORTUNITY No. 602-2018 THE CITY OF WINNIPEG **PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION**

EMPRESS STREET PROJECT PEDESTRIAN ACCESSIBILITY RAMPS **NORTH RAMP**

PRESTRESSED SLAB DETAILS 1

CITY DRAWING NUMBER		
P-3494-147		
SHEET	OF	
	147	168
DRAWING No.		REV
1	47	С