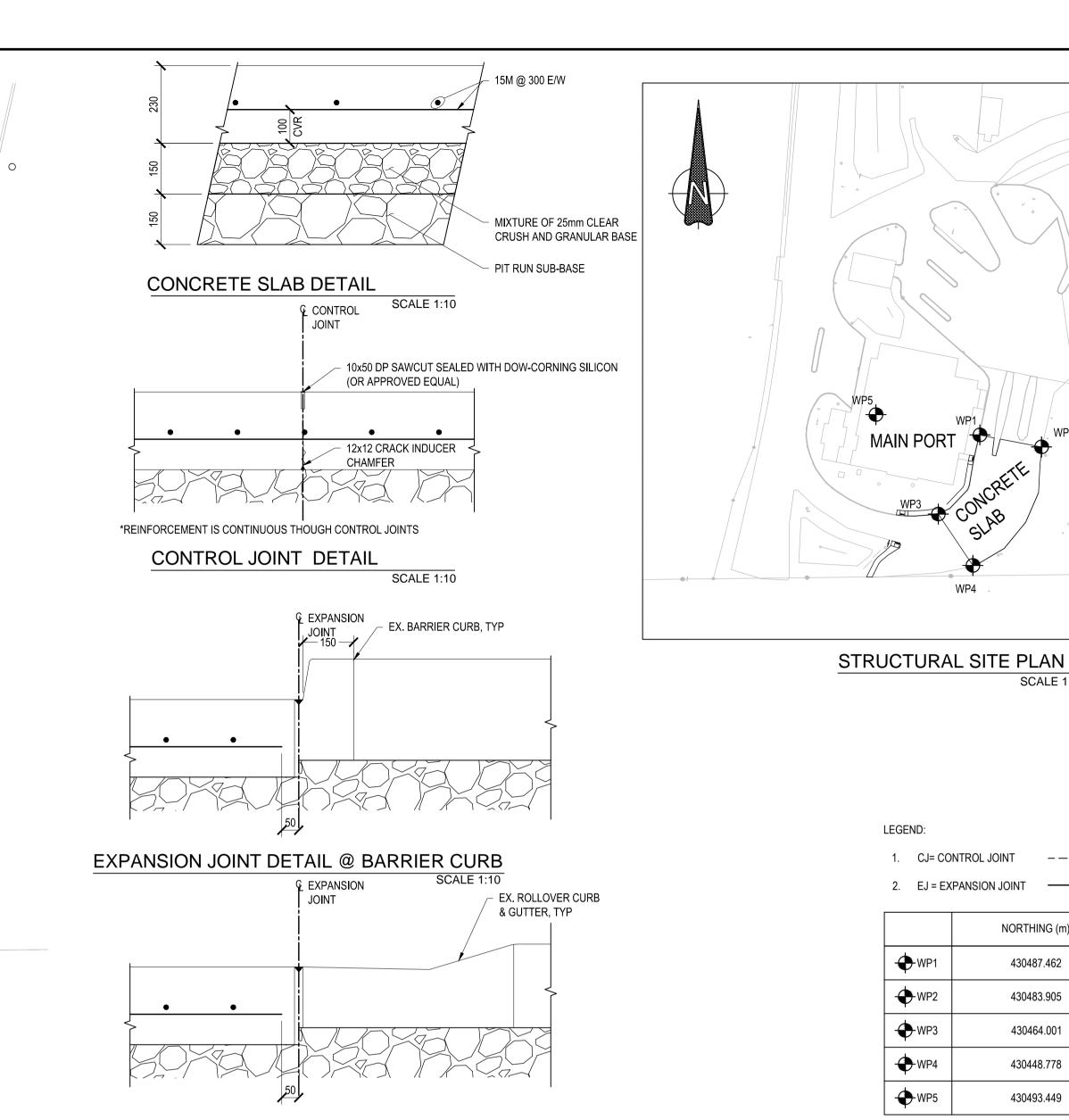


WRA

PWGSC - A1 - 841X594

SPLICES SHALL BE STAGGERED SO THAT NO MORE THAN 50% OF THE REINFORCING IS SPLICED AT ANY ONE LOCATION, UNLESS SHOWN OTHERWISE ON THE DRAWINGS.



EXPANSION JOINT DETAIL @ ROLLOVER CURB SCALE 1:10

THE MAXIMUM PROPORTION OF AGGREGATE PASSING 5mm SCREEN SHALL BE 38% OF THE TOTAL MASS OF AGGREGATE.

ALL CEMENT SHALL BE TYPE 10 NORMAL PORTLAND CEMENT, UNLESS SHOWN OTHERWISE ON THE DRAWINGS.

6. FLY ASH OR OTHER POZZOLANS USED AS ADMIXTURES SHALL CONFORM TO ASTM C618-12 "STANDARD SPECIFICATION FOR FLY ASH AND RAW OR CALCINED NATURAL POZZOLAN FOR USE IN CONCRETE".

AIR ENTRAINMENT ADMIXTURES, AEA, SHALL CONFORM TO ASTM C260/C260M-10a "STANDARD SPECIFICATION FOR AIR-ENTRAINING ADMIXTURES FOR CONCRETE".

REDUCE AIR CONTENT TO 3% FOR SLABS TO BE STEEL TROWELED.

9. SLUMP TO BE MEASURED BEFORE ADDITION OF WATER REDUCING ADMIXTURES, WRA.

DIMENSIONAL TOLERANCES FOR CONCRETE WORK SHALL BE GIVEN IN CAN/CSA A 23.1-09 "CONCRETE MATERIALS AND METHODS OF CONCRETE CONSTRUCTION".

11. ALL CONCRETE SHALL BE CURED IN ACCORDANCE WITH CAN/CSA A23.1-09 "CONCRETE MATERIALS AND METHODS OF CONCRETE

12. ALL FORMWORK SHALL BE DESIGNED, SUPPLIED, AND INSTALLED IN ACCORDANCE WITH CAN/CSA-S269.3-M92-(R2013),

REINFORCING STEEL SHALL CONFORM TO CAN/CSA-G30.18 GRADE 400W, AND SHALL MEET THE REQUIREMENTS OF SS412.

SPACING OF BARS SHOWN ON THE DRAWINGS IS FROM CENTER-TO-CENTER OF BARS..

	UNCOATED	UNCOATED	UNCOATED TOP
	VERTICAL BARS	HORIZONTAL BARS	HORIZONTAL BARS *
15M	400mm	500mm	650mm

4. LAP SPLICES SHALL BE STAGGERED WITH MINIMUM LAP LENGTH AS FOLLOWS:

	UNCOATED	UNCOATED TOP BARS	*
15M	500mm	650mm	

* TOP BARS DEFINED AS BARS WITH MORE THAN 300mm OF FRESH CONCRETE BELOW THE DEVELOPMENT LENGTH OR

STRUCTURAL FILL

- 1. PRIOR TO BACKFILL, EXCAVATIONS SHALL BE FREE OF STANDING WATER AND CLEAN OF ALL SHORING MATERIALS. FORMING MATERIALS, TRASH AND DEBRIS. NO SUCH MATERIALS SHALL BE INCLUDED IN THE BACKFILL MATERIAL. ANY LOOSE SOIL SHALL EITHER BE COMPACTED OR REMOVED.
- 2. THE STRUCTURAL BACKFILL MATERIAL SHALL BE CLEAN, WELL GRADED, SAND AND GRAVEL MATERIAL AS APPROVED BY THE GEOTECHNICAL ENGINEER AND SHALL BE PLACED WITHIN 2% OF OPTIMUM MOISTURE CONTENT IN UNIFORM HORIZONTAL LOOSE LAYERS NOT EXCEEDING 150mm, COMPACTED TO A MINIMUM DENSITY EQUIVALENT TO 95 PERCENT OF MODIFIED PROCTOR MAXIMUM DRY DENSITY. THE BACKFILL MATERIAL SHOULD HAVE A FINES CONTENT OF LESS THAN 5% PASSING SIEVE #200.

FOUNDATION

- 1. A MAXIMUM FACTORED BEARING CAPACITY OF 100kPa WAS ASSUMED IN DESIGN. GROUND CONDITIONS MAY VARY. THE FOUNDATION REQUIREMENTS ARE TO BE COORDINATED AND VERIFIED WITH THE GEOTECHNICAL ENGINEER ON SITE.
- 2. PLACE A MINIMUM 300 mm THICK LEVELING CRUSHED BASE COURSE (<25 mm) BENEATH ALL CONCRETE AND COMPACT TO 98% OF STANDARD PROCTOR DENSITY.

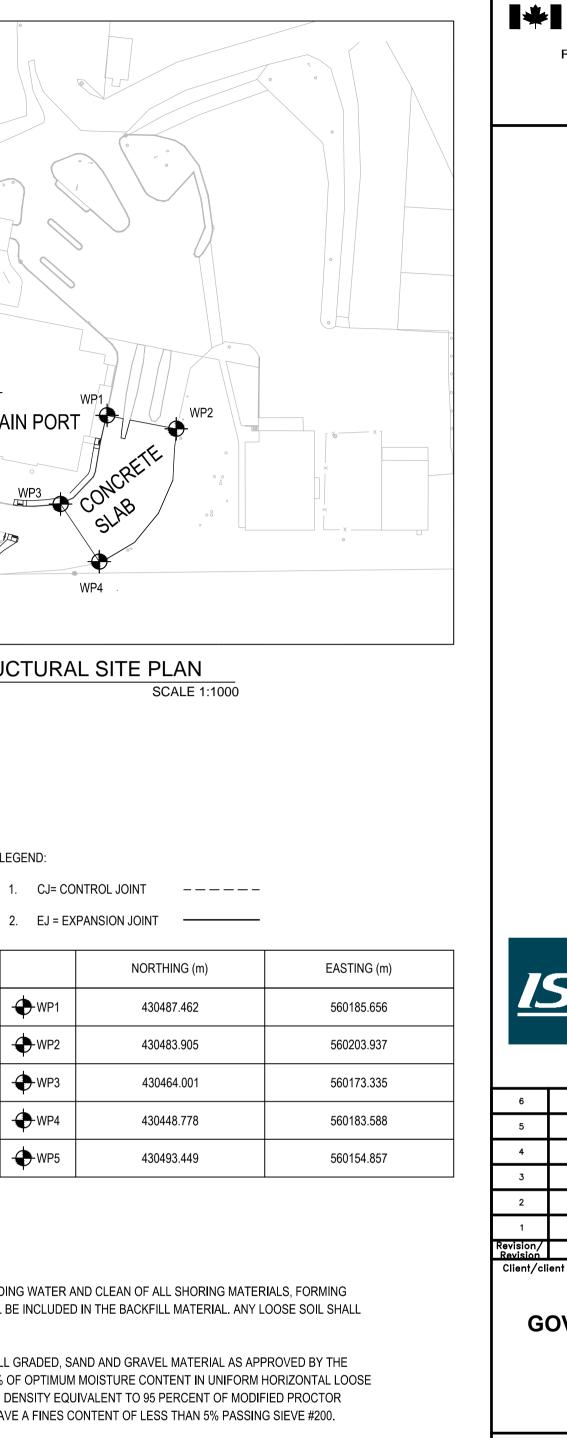
BACKFILL AND COMPACTION

- 1. THE ZONE OF COMPACTION SHALL BE AS SHOWN ON THE DRAWING(S) AND COMPACTED TO 95% OF STANDARD PROCTOR DENSITY, AT OPTIMUM MOISTURE CONTENT. MATERIAL COMPACTION TESTING MAY BE REQUIRED BY THE ENGINEER'S REPRESENTATIVE. BASE & SUB-BASE TO BE APPROVED BY GEOTECHNICAL ENGINEER.
- 2. BACKFILLING MATERIAL IS TO BE FREE DRAINING GRANULAR MATERIAL THAT IS APPROVED BY THE ENGINEER'S REPRESENTATIVE PRIOR TO ALL BACKFILLING OPERATIONS.

QUALITY CONTROL

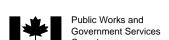
- 1. QUALITY CONTROL DOCUMENTS SHALL BE PROVIDED TO THE ENGINEERS REPRESENTATIVE. THE DOCUMENTS SHALL INCLUDE, BUT ARE NOT LIMITED TO:
 - STEEL MILL TEST CERTIFICATED (OR EQUIVALENT) FOR EACH COMPONENT. CONCRETE TEST RESULTS FOR EACH COMPONENT.
- 2. REBAR SHOP DRAWINGS SHALL BE PROVIDED TO THE ENGINEER'S REPRESENTATIVE FOR REVIEW AT LEAST FOURTEEN (14) DAYS PRIOR TO CONCRETE POUR. CONCRETE POUR SHALL NOT PROCEED WITHOUT REVIEWED SHOP DRAWINGS.

0 10 20 30 40 50 60 70 80 90 100mm



WP4

+ WP5



Travaux publics et Services gouvernementaux

REAL PROPERTY SERVICES Pacific Region SERVICES IMMOBILIERS Région de Pacifique



Engineering and Land Services

Revision/ Revision	Description/Description	Date/Date
1	ISSUED FOR REVIEW	16/07/12
2	ISSUED FOR TENDER	16/08/19
3		
4		
5		
6		

PUBLIC WORKS & GOVERNMENR SERVICES CANADA (PWGSC)

Project title/Titre du projet KINGSGATE, BC 6917 HIGHWAY 95

KINGSGATE PORT OF ENTRY STAFF PARKING PAVING AND PIL IMPROVEMENTS

Consultant Signature Only

Designed by/Concept par

J. TONG Drawn by/Dessine par

C. PHAM & M. CHAMBERS PWGSC Project Manager/Administrateur de Projets TPSGC

JERRY CHEN

Regional Manager, Architectural and Engineering Services Gestionnaire régionale, Services d'architectural et de génie, TPSGC REGIONAL MANAGER AES Drawing title/Titre du dessin

CONCRETE SLAB DETAILS

Project No./No. du projet Sheet/Feuille R.082785.001

OF 3



Revision no La Révision