GENERAL NOTES:

THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE ALBERTA BUILDING CODE — 2006.
 CONSTRUCT TO ALBERTA BUILDING CODE REQUIREMENTS. ALL REFERENCE STANDARDS ARE TO BE THE LATEST EDITION INCLUDING SUBSEQUENT REVISIONS.
 PROJECT LOCATION: INNISFAIL ALBERTA (RED DEER COUNTY)
 SPECIFIED DESIGN LOADS:

IMPORTANCE CATEGORY: LIVE LOAD : NORMAL LIVE LOAD:

DEAD LOAD:

DEAD LOAD:

GROUND SNOW LOAD:

GRIN LOAD:

GNIN LOAD:

SIELL = 7850kg/m²

SIEL 6.0 kPa

CONTRACTOR IS RESPONSIBLE FOR ENSURING ALL WORKSAFE ALBERTA REGULATIONS UNDER SECTION 20.81 "SLOPING AND SHORING REQUIREMENTS" ARE MET DURING EXCAVATION AND CONSTRUCTION.

CONCRETE:

- GENERAL:

 SUPPLY CONCRETE AND PERFORM WORK TO CAN/CSA-A23.1-O4.

 SUPPLY CONCRETE AND PERFORM WORK TO CAN/CSA-A23.1-04.
 CONCRETE QUALITY CONTROL IS TO BE PERFORMED BY THE OWNER'S
 AGENCY IN ACCORDANCE WITH CAN/CSA-A23.2-04 INCLUDING STRENGTH,
 AIR CONTENT AND SLUMP TESTS FOR EACH CONCRETE POUR, WITH
 REPORTS SUBMITTED TO THE ENGINEER.
 EXPOSED CORNERS OF CONCRETE SHALL BE BEVELED 20mm x 20mm (¾*
 - x 3/2"). UNO.
- d) ALL HOT AND COLD WEATHER CONCRETE WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH CAN/CSA A23.1/A23.2-04. CONTRACTOR MUST TAKE APPROPRIATE MEASURES WHEN TEMPERATURE RISES ABOVE 25'C OR FALLS
- e) TAKE ADEQUATE PRECAUTIONS TO MINIMIZE SHRINKAGE CRACKING INCLUDING COVERING AND KEEPING THE CONCRETE DAMP DURING THE INITIAL 7 DAYS OF CURING.
- FORMWORK TO CAN/CSA-S269.3-M92.
 CONSTRUCTION JOINTS: LOCATE CONSTRUCTION JOINTS AS SHOWN ON
- DRAWINGS.
 h) FLOOR FINISH TO BE POWER FLOAT.
 i) STEEL TROWEL FINISH EXPOSED CONCRETE (PEDESTALS, WALLS).

- 2. PRODUCTS:
 a) CONCRETE: TYPE GU (FORMERLY TYPE 10)
 b) AGGREGATE AND WATER: TO CAN/CSA-A23.1-04
 c) ADMIXTURES: TO THE CSA A266 SERIES OF STANDARDS. ADMIXTURES OTHER THAN AIR ENTRAINING ARE NOT TO BE USED UNLESS ACCEPTED BY THE ENGINEER.
 d) BASEPLATE GROUT: NON-SHRINK, NON-FERROUS GROUT MASTERFLOW 713

 - OR EQUAL.
 e) MIX DESIGN AS FOLLOWS:

	MIN. 25 DAY STRENGTH	MAX. SIZE AGGREGATE	SLUMP	EXPOSURE CLASS	% AIR CONTENT	MAX. W/C RATIO
SLAB ON GRADE	25 MPa	¾" (20mm)	80 (±20)	N	1-4	0.45
FOUNDATION	25 MPa	¾" (20mm)	80 (±20)	F-2	4-7	0.45

- f) VAPOUR BARRIER TO BE 150 mil POLYTEHYLENE TO
- CAN/CGSB-51.34-M89.

 g) EXTERNALLY APPLIED DAMP-PROOFER TO BE "HENRY" HE107 ASPHALT EMULSION (OR EQUIVALENT).
- WATERSTOP TO BE "GREENSTREAK" CJ-1020-2K (20mmx10mm) HYDROTITE WATERSTOP SYSTEM.

PREPARATION FOR FOUNDATIONS:

- GENERAL:
 O) EXCAVATION TO BE INSPECTED BY A REGISTERED PROFESSIONAL
- GEOTECHNICAL ENGINEER.

 b) TESTING AND INSPECTION OF SUBGRADE TO BE CARRIED OUT PRIOR TO PLACING SLAB ON GRADE.
- c) FOLLOW ALL RECOMMENDATIONS GIVEN IN GEOTECHNICAL REPORT PREPARED BY SMITH DOW ASSOCIATES DATED MARCH 19, 2003 FOR BACKFILL,
 DRAIMGE, SUB-BASE, PREPARATION AND OTHER REQUIREMENTS.

 d) CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY DRAIMAGE
- DURING EXCAVATION.

PRODUCTS:
 O) IMPORTED GRANULAR MATERIALS SHALL BE CLEAN FREE-DRAINING, NON-FROST-SUSCEPTIBLE.

- EXECUTION:
 O) ANY TOPSOIL, DELETERIOUS SOILS, SOFT/WEAK SOIL, OR UN-SUITABLE SOILS ENCOUNTERED WITHIN THE FOOTPRINT OF THE BUILDINGS SHOULD BE REMOVED. THE EXPOSED SUBGRADE SHOULD BE SCARIFIED TO A MINIMUM DEPTH OF 200mm, MOISTURE CONDITIONED TO ±2% OF THE OPTIMUM MOISTURE CONTENT (OWC.) AND COMPACTED TO 95% OF THE STANDARD DROCTOR MAYWING DEPTH (CENTRO). ARESE CONDENTION THE PROCTOR MAXIMUM DRY DENSITY (SPMDD). AFTER COMPACTION THE SUBGRADE SHOULD BE PROOF-ROLLED TO IDENTIFY ANY SOFT SPOTS.
 THE SOFT SPOTS SHOULD BE SUBGUT TO A MINIMUM DEPTH OF 0.6m AND BACKFILLED WITH SUB-BASE COMPACTED TO 95% OF THE SPMOD.
- b) GRANULAR SOILS USED AS SUB-BASE SHOULD CONSIST OF CLEAN, WELL GRADED PIT RUN GRAVEL (MAXIMUM SIZE 80mm). IN GENERAL, FILL
 MATERIAL SHOULD BE COMPACTED TO WITHIN ±2% OF THEIR OPTIMUM
 MOISTURE CONTENT (OMC).
- c) BASE COURSE SHOULD CONSIST OF WELL GRADED CRUSHED GRAVEL HAVING MAXIMUM PARTICLE SIZE OF 20mm. THE BASE COURSE SHOULD BE COMPACTED TO 95% OF SPMDD.
- d) THE FILL SHOULD BE PLACED IN LAYERS NOT EXCEEDING 150mm IN LOOSE THICKNESS. THE FILL SHOULD BE COMPACTED TO AT LEAST 95% OF THE SPMDD AT OR SLIGHTLY ABOVE OMC UNLESS OTHERWISE SPECIFIED. THE FILL SHOULD BE PLACED IN LIFTS THAT ARE COMPATIBLE WITH THE COMPACTION EQUIPMENT USED.

REINFORCING STEEL:

- GENERAL:

 REINFORCING WORK TO CAN/CSA-A23.1-04 AND CAN/CSA-A23.3-04.

 REINFORCING STEEL SHALL BE DETAILED IN ACCORDANCE WITH THE LATEST EDITION OF THE REINFORCING STEEL INSTITUTE OF CANADA MANUAL OF STANDARD PRACTICE.
- PRODUCTS:

 PRODUCTS:
 REINFORCING STEEL:
 NEW DEFORMED BARS TO CSA G30.18-M92 GRADE

 400W.
- 3. EXECUTION:

 o) PROVIDE MINIMUM CLEAR CONCRETE COVER OVER REINFORCING AS FOLLOWS

CONCRETE COVER	
CAST AGAINST EARTH AND PERMANENTLY EXPOSED TO EARTH	75mm
TIES AND STIRRUPS	40mm
SLABS, WALLS, & JOISTS	50mm

b) SPLICE BARS AS FOLLOWS:

		MINIMUM	LAP SPLI	CE LENG	THS
BAR ø	10M	15M	20M	25M	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
"x"	360	540	725	900	_X_

		MINIMU	ЈМ НООК	LENGTHS	
BAR Ø	10M	15M	20M	25M	
"Y"	180	260	310	400	



REAL PROPERTY SERVICES Western Region SERVICES IMMOBILIERS





JAN 2 1 2014

PERMIT TO PRACTICE PERMIT NUMBER: P 6366

ISSUED FOR TENDER Revision/ Revision Description/Description

PUBLIC WORKS AND **GOVERNMENT SERVICES**

Project IIIIe/Titre du projet INNISFAIL, ALBERTA 7-2A SYLVAIRE CLOSE

RCMP K-9 UNIT PRE-ENG **BUILDING FOUNDATION** Approved by/Approuve par

Designed by/Concept par C.POLSOM

Drawn by/Dessine per S.NICKLIE PWGSC Project Manager/Administrateur de Projets TPSGC

PWGSC, Architectural and Engineering Resources Manager/ Resources Architectural et de Directeur d'Ingénierie, TPSGC

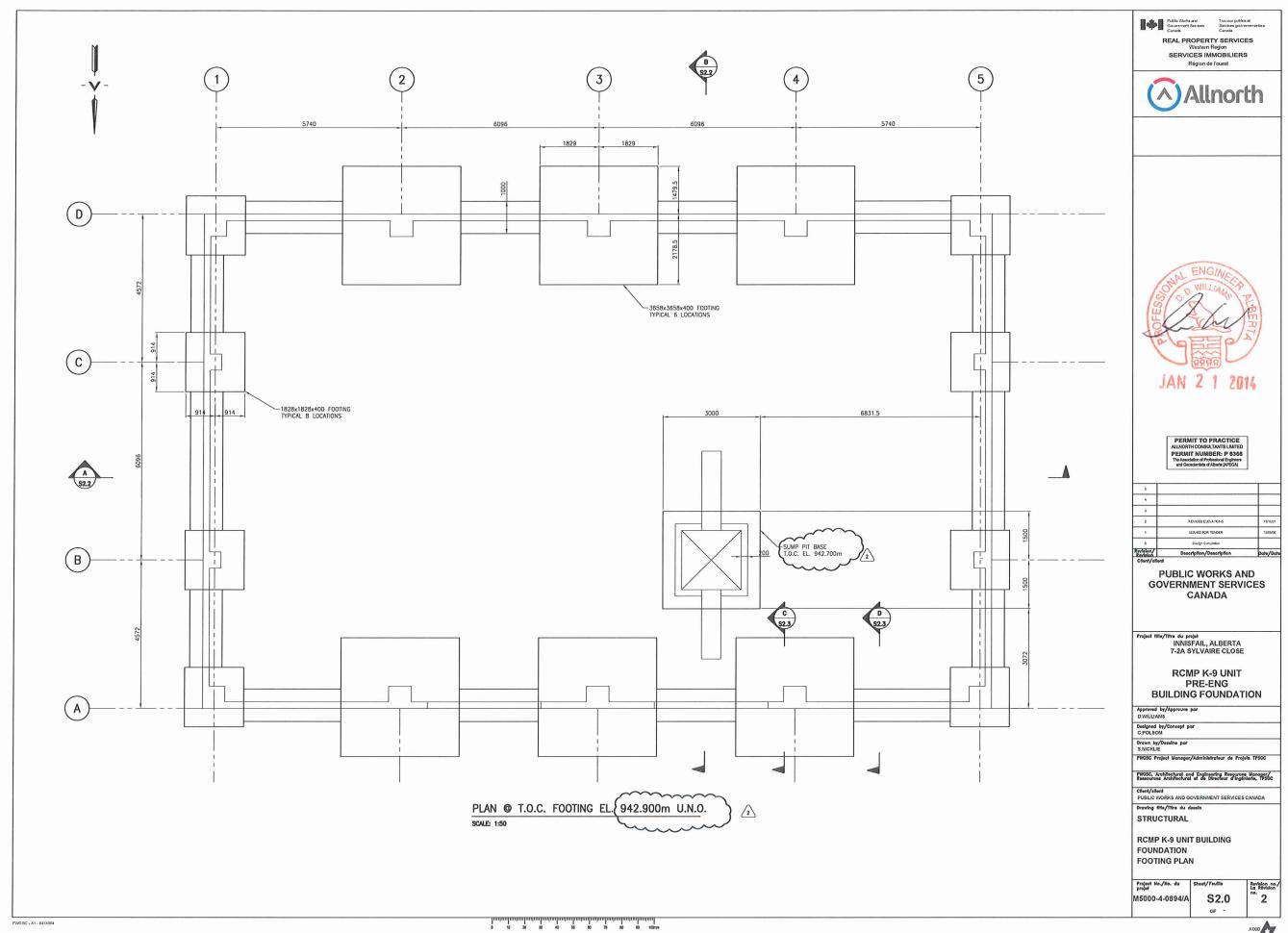
STRUCTURAL

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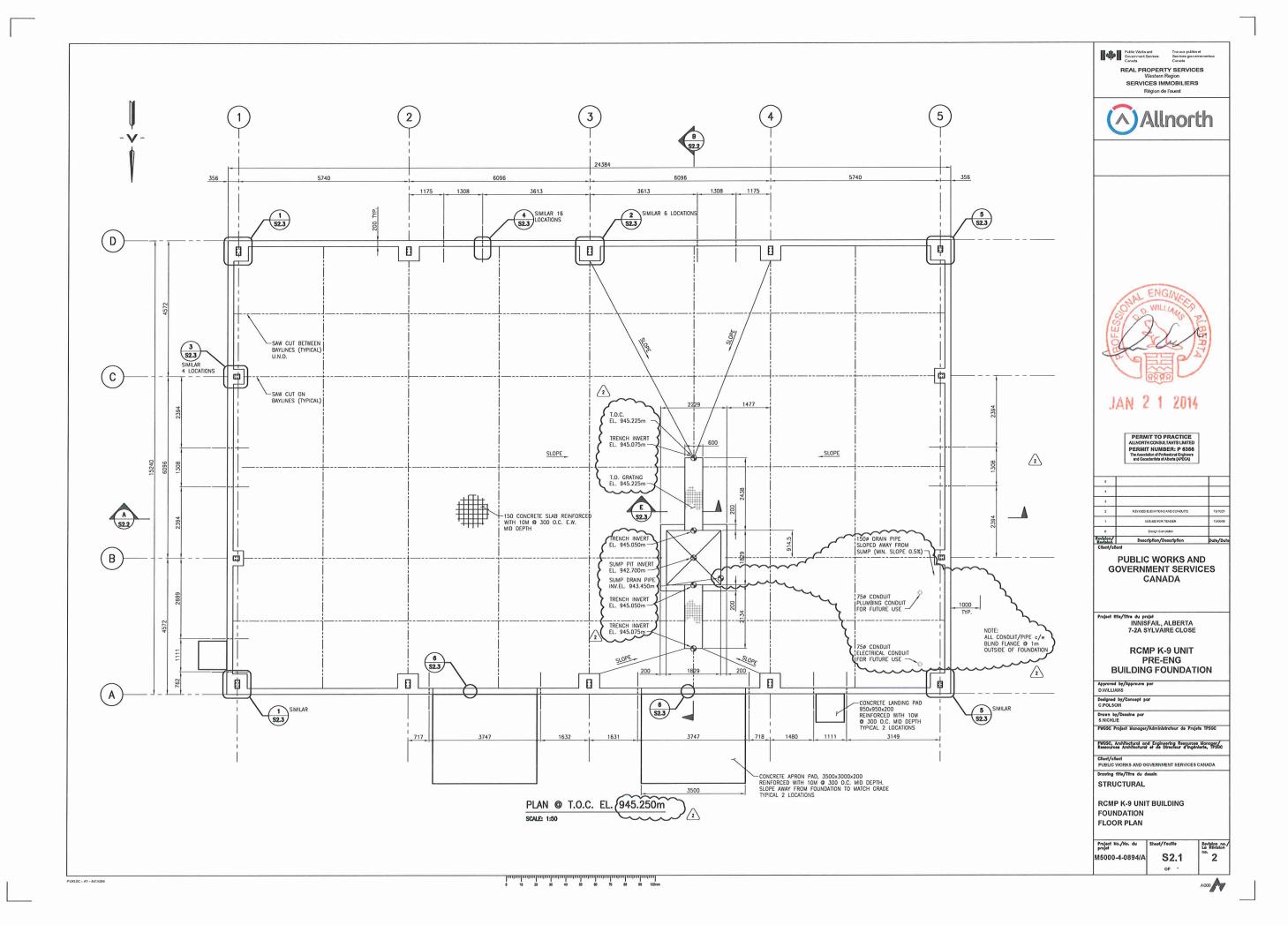
RCMP K-9 UNIT BUILDING FOUNDATION **GENERAL NOTES**

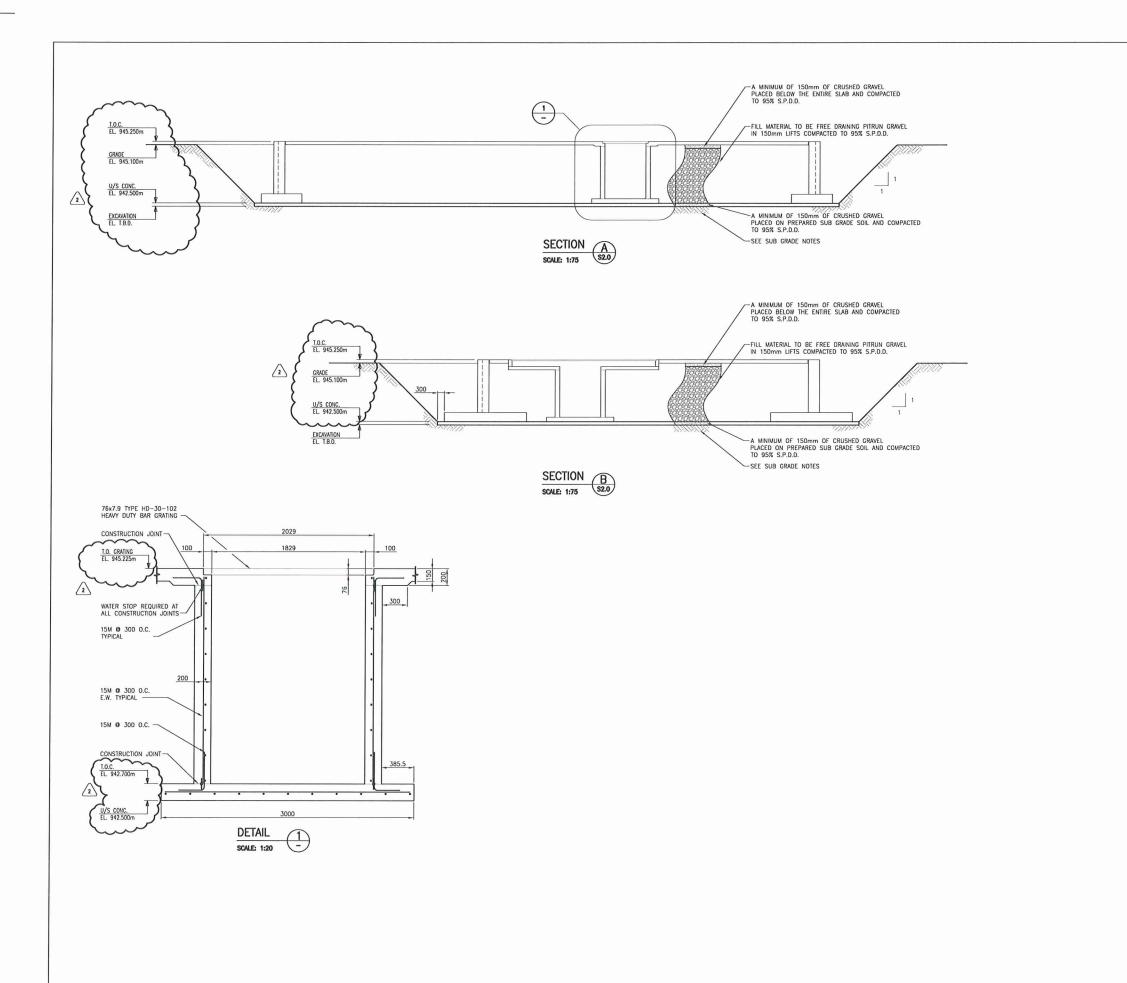
Project No./No. du projet M5000-4-0894/A S1.0

Revision no. La Révision



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PERMIT TO PRACTICE

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REVISED ELEVATIONS	13/102
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PUBLIC WORKS AND GOVERNMENT SERVICES CANADA

Project HHe/Titre du projet INNISFAIL, ALBERTA 7-2A SYLVAIRE CLOSE

RCMP K-9 UNIT PRE-ENG **BUILDING FOUNDATION**

Approved by/Approuve par D.WILLIAMS Deelgned by/Concept par C.POLSOM

Drawn by/Dessine par S.NICKLIE

PWGSC Project Manager/Administrateur de Projets TPSGC

PWGSC, Architectural and Engineering Resources Manager/ Resources Architectural et de Directeur d'Ingénierie, TPSCC

Client/client
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STRUCTURAL

RCMP K-9 UNIT BUILDING FOUNDATION SECTIONS AND DETAIL

Project No./No. du projet M5000-4-0894/A

S2.2

Revision no./ La Révision ` 2

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