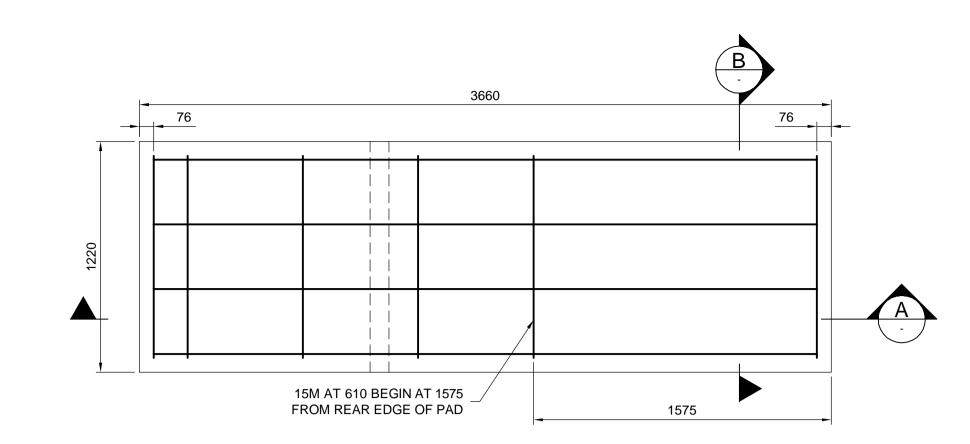
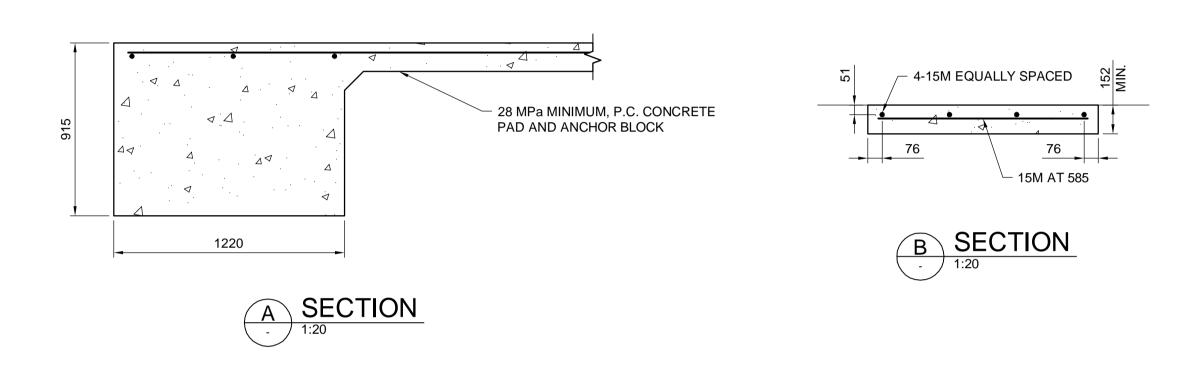


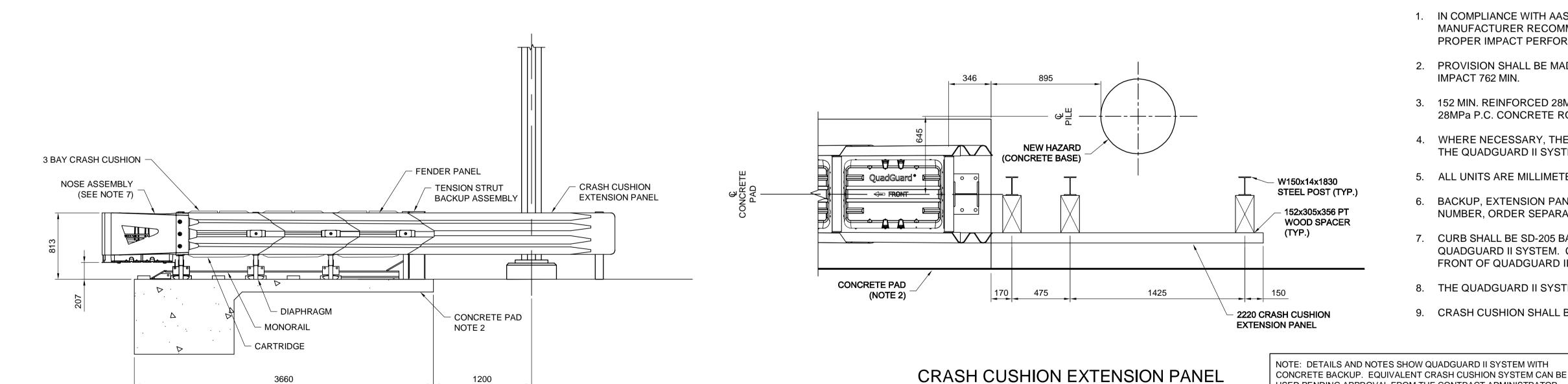
1200

SIDE VIEW



PLAN - REINFORCING





CRASH CUSHION WITH TENSION STRUT BACKUP NOTES:

- 1. IN COMPLIANCE WITH AASHTO 4th EDITION 2011 ROADSIDE DESIGN GUIDE, MANUFACTURER RECOMMENDS REMOVAL OF ALL CURBS AND ISLANDS TO ENSURE PROPER IMPACT PERFORMANCE.
- 2. PROVISION SHALL BE MADE FOR REAR FENDER PANELS TO SLIDE REARWARD UPON IMPACT 762 MIN.
- 3. 152 MIN. REINFORCED 28MPa P.C. CONCRETE PAD OR 200 MIN. NON-REINFORCED 28MPa P.C. CONCRETE ROADWAY, MEASURING AT LEAST 3.66m WIDE BY 15.24m LONG.
- 4. WHERE NECESSARY, THE CUSTOMER SHALL SUPPLY AN ADEQUATE TRANSITION FROM THE QUADGUARD II SYSTEM TO THE OBJECT BEING SHIELDED.
- 5. ALL UNITS ARE MILLIMETERS UNLESS OTHERWISE NOTED.
- BACKUP, EXTENSION PANEL, AND NOSE ASSEMBLIES ARE NOT INCLUDED IN MODEL NUMBER, ORDER SEPARATELY.
- 7. CURB SHALL BE SD-205 BARRIER CURB (100 HEIGHT) ALONG ENTIRE LENGTH OF QUADGUARD II SYSTEM. CURB SHALL BE SD-205 BARRIER CURB (100 HEIGHT) 15m IN FRONT OF QUADGUARD II SYSTEM IN THE DIRECTION OF TRAVEL.
- 8. THE QUADGUARD II SYSTEM HAS BEEN TESTED TO NCHRP 350.
- 9. CRASH CUSHION SHALL BE SUPPLIED TO ACCOMMODATE A DESIGN SPEED OF 80 km/h.

ENGINEER'S SEAL FOR CONCRETE PAD AND REINFORCING ONLY. CRASH CUSHION DESIGN AND INSTALLATION SHALL BE AS PER MANUFACTURER'S DETAILS.

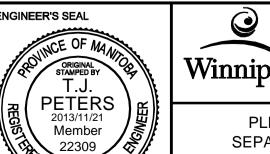
USED PENDING APPROVAL FROM THE CONTRACT ADMINISTRATOR.

BID OPPORTUNITY NO. 712-2013

Certificate of Authorization **Dillon Consulting Limited (MB)**

B.M. ELEV.				' I I I I I I I I I I I I I I I I I I I			ENGINEER'S SEAL	
						DILLON CONSULTING		ORIGINAL STAMPED BY T.J.
				DESIGNED BY	JLD	CHECKED BY	TJP	PETERS 2013/11/21 Member 22309
				DRAWN BY	JLD	APPROVED BY	DPK	22309 POFESSION
				HOR. SCALE: VERTICAL:	AS NOTED	RELEASED FOR CONSTRUCTION BY:		
Α	ISSUED FOR TENDER	2013/11/21	TJP	VERTIONE.				CONSULTANT DRAWING NO
NO.	REVISIONS	DATE	BY	DATE		DATE 2013	3/11/21	12-6576-CT-0066

1:20 (TYP. E.B. & W.B. QUADGUARDS)



	<u> </u>
	Winnipeg
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THE CITY OF WINNIPEG **PUBLIC WORKS DEPARTMENT**

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION CONTRACT 3

S776-2013-03

S776 - CRASH CUSHION WITH TENSION STRUT BACKUP CT-0066

CITY DRAWING NUMBER