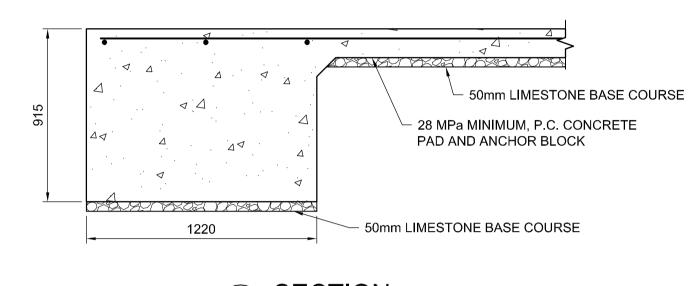
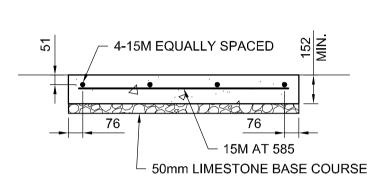


PLAN - REINFORCING









SITE PLAN - CRASH CUSHION LAYOUT

ALL CRASH CUSHION REINFORCING TO BE STAINLESS STEEL AS PER NOTE ON SHEET 001 REGARDING TRAFFIC BARRIER REINFORCING STEEL.

CRASH CUSHION WITH TENSION STRUT BACKUP NOTES:

- 1. PROVISION SHALL BE MADE FOR REAR FENDER PANELS TO SLIDE REARWARD UPON IMPACT 762 MIN
- 2. WHERE NECESSARY, THE CONTRACTOR SHALL SUPPLY AN ADEQUATE TRANSITION FROM THE QUADGUARD II SYSTEM TO THE OBJECT BEING SHIELDED.
- 3. ALL UNITS ARE MILLIMETERS UNLESS OTHERWISE NOTED.
- 4. BACKUP, EXTENSION PANEL, AND NOSE ASSEMBLIES ARE NOT INCLUDED IN MODEL NUMBER, ORDER SEPARATELY.
- 5. CURB SHALL BE SD-205 BARRIER CURB (100 HEIGHT) ALONG ENTIRE LENGTH OF QUADGUARD II SYSTEM WESTBOUND AND SD-202A LIP CURB (75 HEIGHT) EASTBOUND.
- 6. THE QUADGUARD II SYSTEM HAS BEEN TESTED TO NCHRP 350.
- 7. CRASH CUSHION SHALL BE SUPPLIED TO ACCOMMODATE A DESIGN SPEED OF 80 km/h. THE SYSTEM SHALL MEET THE REQUIREMENTS OF NCHRP REPORT 350 TEST LEVEL 3.

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES DECIMALIZED NUMBERS INDICATE METRES

WARNING

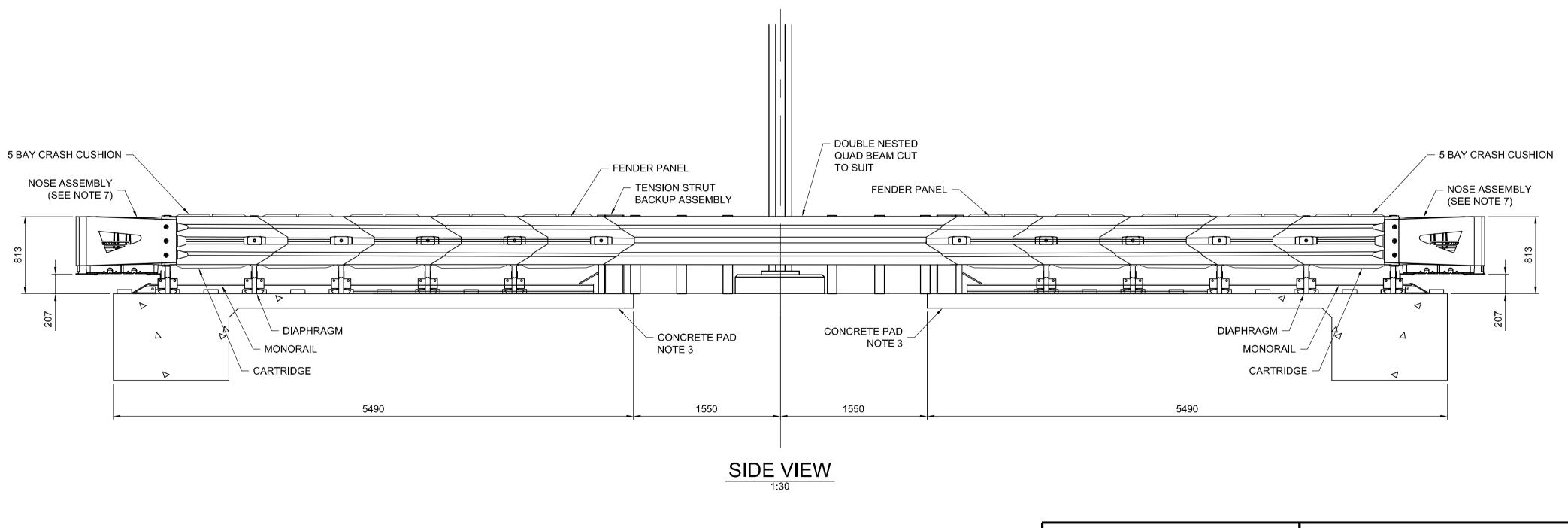
IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:

1. NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.

2. TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS SEE PROVINCIAL

3. OBTAIN EXCAVATION PERMITS PRIOR TO CONSTRUCTION.

REGULATION 210/72 FOR DETAILS.



BE AS PER MANUFACTURER'S DETAILS. ENGINEER'S SEAL **DILLON** CONSULTING WIEBE DESIGNED CHECKED RTP DBW Member DRAWN APPROVED 22480 DBW Certificate of Authorization RELEASED FOR AS SHOWN HOR. SCALE CONSTRUCTION Dillon Consulting Limited (MB) CONSULTANT PROJECT NUMBER VERTICAL AS SHOWN ISSUED FOR TENDER | 17/01/09 | DBW No. 1789 Date: 2017/01/09 16-3353 DATE BY DATE IO. REVISIONS

NOTE: DETAILS AND NOTES SHOW QUADGUARD II SYSTEM WITH

CAN BE USED PENDING APPROVAL FROM THE CONTRACT

ADMINISTRATOR.

TENSION STRUCT BACKUP. EQUIVALENT CRASH CUSHION SYSTEM

ENGINEER'S SEAL FOR SELECTION OF CRASH CUSHION STYLE ONLY. CONCRETE PAD AND REINFORCING DESIGN,

AND CRASH CUSHION DESIGN AND INSTALLATION SHALL

THE CITY OF WINNIPEG PUBLIC WORKS DEPARTMENT Winnipeg

CITY DRAWING NUMBER WAVERLEY STREET UNDERPASS AT CN MILE 3.89 RIVERS SUB U-239-2016-C2-CS-076 CONTRACT 2: UNDERPASS STRUCTURE, RAILWORKS, ROADWORKS, LAND DRAINAGE SEWER, PUMPING STATION SHEET AND LANDSCAPING WORKS 076 085

> CONSULTANT DRAWING NUMBER S783 - CRASH CUSHION WITH C2-CS-076 TENSION STRUT BACKUP