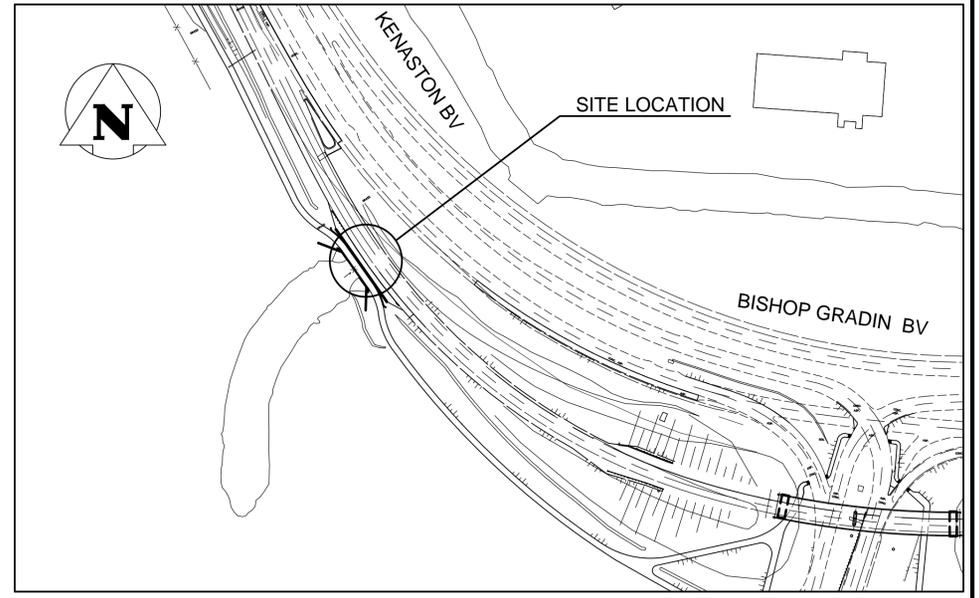


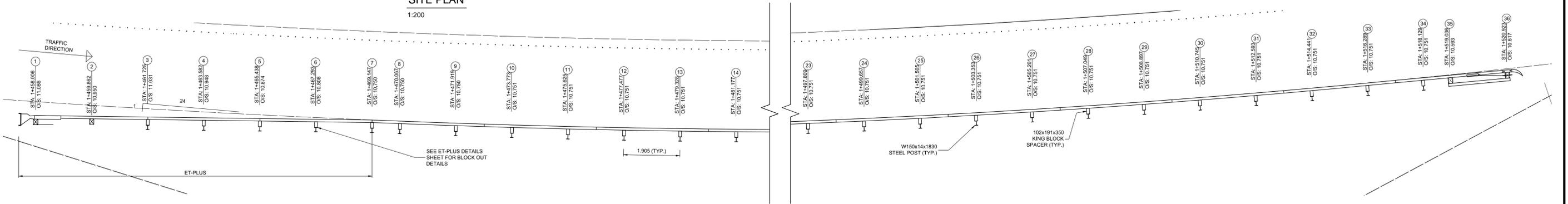
**SITE PLAN**  
1:200



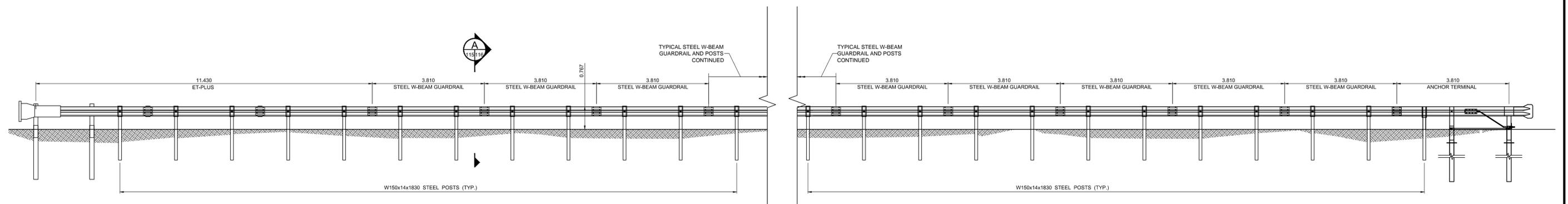
**KEY PLAN**

POST NO.	STATION	O/S
15	1+483.025	10.751
16	1+484.873	10.751
17	1+486.721	10.751
18	1+488.569	10.751
19	1+490.417	10.751
20	1+492.265	10.751
21	1+494.113	10.751
22	1+495.961	10.751

NOTE:  
STATION AND OFFSET (O/S) IDENTIFY  
THE CENTER OF THE POST.



**PLAN - MIDWEST GUARD RAIL SYSTEM**  
1:50



**ELEVATION LOOKING WEST - MIDWEST GUARD RAIL SYSTEM**  
1:50

**WARNING**

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

- NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
- TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS SEE PROVINCIAL REGULATION 210/72 FOR DETAILS.
- OBTAIN EXCAVATION PERMITS PRIOR TO CONSTRUCTION.
- A MINIMUM VERTICAL SEPARATION OF 300 mm FROM GAS MAINS AND 100 mm FROM GAS SERVICE MUST BE MAINTAINED BETWEEN ANY MANITOBA HYDRO FACILITY AND ANY NEW INSTALLATIONS.
- A MINIMUM 900 mm OF COVER SHALL BE MAINTAINED IN ALL AREAS WHERE EQUIPMENT WILL BE CROSSING, TRAVELING OR COMPACTING OVER THE HIGH PRESSURE GAS MAINS.
- IF EQUIPMENT MUST CROSS, TRAVEL, OR COMPACT OVER THE GAS MAIN WITH LESS THAN THE MINIMUM DEPTH COVER, EARTH BRIDGING OR STEEL PLATES SHALL BE PLACED OVER THE MAIN AND EXTEND A MINIMUM OF 1.0 METRE ON EITHER SIDE AT EACH CROSSING LOCATION.

**APEGM**  
Certificate of Authorization  
**Dillon Consulting Limited (MB)**  
No. 1789 Date: 2013/08/08

**METRIC**  
WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES

G:\CAD\126606\Contract\_2\Curren\Civil\_Guardrails for\_OHSS.dwg

150 WM	WATERMAIN	150 WM	MTS	M.T.S.	150 mm W.M.	WATERMAIN	150 mm W.M.
+	HYDRANT VALVE	+	MTS	CONCRETE ASPHALT PLANING	+	HYDRANT VALVE	+
300 LDS	LAND DRAINAGE SEWER	300 LDS	MTS	SIDEWALK PAVING STONES	300 mm L.D.S.	LAND DRAINAGE SEWER	300 mm L.D.S.
250 WWS	WASTE WATER SEWER	250 WWS	MTS	PROPERTY LINE SURVEY BAR	250 mm W.W.S.	WASTE WATER SEWER	250 mm W.W.S.
○	MANHOLE	●	MTS	CURB RAMP	○	NORTH/WEST GUTTER	---
□	CATCH BASIN	■	MTS	DITCH	□	SOUTH/EAST GUTTER	---
⊙	TEST HOLES	⊕	MTS	SWALE	⊙	NORTH/WEST T/LANE	---
+	JUNCTIONS	+	MTS	EXISTING	+	SOUTH/EAST T/LANE	---
+	CULVERT	+	MTS	PROPOSED	+	EXISTING	---
100 GAS	GAS	100 GAS	MTS	PROPOSED	100 mm W.M.	PROPOSED	---

**UNDERGROUND STRUCTURES**

SUPV. U/G STRUCTURES COMMITTEE DATE

NOTE:  
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

NO.	REVISIONS	DATE	BY
0	ISSUED FOR TENDER	13/08/08	MRD

DESIGNED BY	MRD
DRAWN BY	MRD
CHECKED BY	DBW
APPROVED BY	DPK
HOR. SCALE	AS SHOWN
VERTICAL	
DATE	2013/08/08

ENGINEER'S SEAL  
PROVINCE OF MANITOBA  
**M.R. DOUCET**  
Member 22306  
REGISTERED PROFESSIONAL ENGINEER

**THE CITY OF WINNIPEG**  
PUBLIC WORKS DEPARTMENT

WAVERLEY WEST ARTERIAL ROADS PROJECT (WWARP) PART 3 - CONTRACT 2  
ROUTE 90 TO ROUTE 165 OVERPASS (KENASTON BLVD.) AND ASSOCIATED WORKS

CITY DRAWING NUMBER: B242-13-110  
SHEET 110 OF 128  
CONSULTANT DRAWING NUMBER: P-3349-110

CONSULTANT PROJECT NUMBER: 12-6606

GUARDRAIL LAYOUT AT 1+460 TO 1+515