

TECHNICAL ADDENDUM

The following changes in the tender documents are effective immediately. This addendum will form part of the contract documents.

I TENDER INQUIRY

- .1 Drawing G1.1 – CONSTRUCTION PHASING does not indicate information regarding the New Tertiary Garage Addition?

The Tertiary Garage Addition work can proceed concurrently with other work in this Contract. However, the Existing Tertiary Garage is to be accessible/functional during construction of the Addition.

The Phasing diagram on sheet G1.1 is included in the set for “guide to requirements only”. Contractor is to establish/propose his own phasing plan with the following additional requirements:

- **A Staff Parking area for 70 vehicles must be maintained and accessible throughout the construction period.**
- **Space for the parking of 6 commercial semi-trailer trucks must be maintained and be accessible throughout the construction period. These spaces should be as close to the existing Commercial Building as possible. Allowances must be made for truck turning and maneuvering.**
- **PIL Booth #6 is to be replaced after the new commercial PIL Booths are operational.**

- .2 Drawing G1.1 – CONSTRUCTION PHASING and A1.0 – SITE PLAN indicates to “RELOCATE STORAGE BUILDING”. There are no details provided for the existing building?

The existing Storage Building is a wood-framed metal clad structure approximately 6m x 12m x 5m high. See photographs which are attached to the end of this Addendum.

- .3 When working within Warehouse construction or PIL Booth areas, is Escort Personnel required throughout the Work or on Sundays of Holidays?

No. Work areas will be segregated from secure areas at all times.

- .4 In the areas where new foundations are being built, how thick is the existing concrete/asphalt paving?

Refer to test hole locations indicated on Drawing C01, and the Geotechnical Report (issued as part of AMENDMENT – 005)

- .5 Who will pay for Building Permit; G.C. or Owner?

The General Contractor is responsible to carry the costs of all permits.

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- .6 What are the reinforcing requirements for the 280mm thick concrete roadway. Dowel detail, etc.?

See Drawing "C15 - Rev 3" (attached as part of this Amendment) for clarification on the pavement reinforcing details.

- .7 Does concrete removal waste have to be designated as recycled content or to a recycled area?

The project has a target of 60% for construction and demolition waste diversion, as per the requirements of "Green Globes". There has been no set formal targets set for individual materials. As per Spec. Section 01 74 21 – Construction/Demolition Waste Management and Disposal, the General Contractor is required to create a construction and demolition Waste Management Plan that states waste diversion targets and identifies specific materials, their amounts and destinations; in order to achieve the overall 60% target.

- .8 Drawing A6, Details 2 to 7 indicating all glazing, but it doesn't indicate frame type.

.1 Are these frames aluminum or pressed steel?

Refer to Revised Drawing A6.0 issued as part of Amendment – 004, Addendum No. 02:

- **Detail 2 – Glazing Schedule South: Aluminum**
- **Detail 3 – Glazing Schedule East: Aluminum**
- **Detail 4 – Glazing Schedule North Tertiary: Pressed Steel**
- **Detail 5 – Glazing Schedule South Tertiary: Pressed Steel**
- **Detail 6 – Interior Glazing Schedule: Wood Cased Opening**
- **Detail 7 – Exterior Glazing at Existing: Aluminum**

- .2 There isn't any cross-section detail and specification provided for these items.

- **Details 2 & 3: See Dtl. 14/A3.4, and Spec. Sect. 08 50 00 – Aluminum Windows**
- **Details 4 & 5: See Spec. Sect. 08 11 00 – Metal Doors & Frames**
- **Detail 6: See Dtls. 1/A3.3, 1/A4.0 and Spec. Sect. 06 40 00 – Architectural Woodwork (as issued as part of AMENDMENT- 004)**
- **Detail 7: See Dtls. 14 & 15/A3.6, and Spec. Sect. 08 50 00 – Aluminum Windows**

- .9 With reference to Section 00 01 10 – Table of Contents, there is a section for Integrated Automation Division 25. This particular Division is not part of the project specifications. Can you confirm that this is not included in this project?

Refer to Tender Documents issued. Division 25 is included in the Specifications.

- .10 Please provide detail for concrete barricade as shown on C-23 and A4.2.

Similar to Bullnose Bollard Detail on Structural Drawing S1.1, confirm dimensions with Departmental Representative.

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- .11 Please provide detail for special pile cap 900 mm diameter along gridline Gridline 5 & A.1 on Drawing S1.2. There is no detail provided on Section B/S4.2 aside from the diameter..

The special pile cap shall be 900 mm deep and be reinforced with:

- **12-20M full height verts.**
- **10M double rings @ 200 o.c.**
- **Provide 6-20M dowels from pile below to cap, and from cap to pedestal above.**

The P2 pile located at Gridlines 5 & A.1 shall have a top of pile elevation of 98 300.

- .12 Confirm that only the rooms shown on Sheet A6.0 – Room Schedule require Resilient Sheet Flooring (Section 09 65 16) work?

Only Rooms 232 to 242 incl. require flooring as indicated.

Flooring for Rooms 406 to 409 incl. (PIL Booths) is to be included as part of the work of Section 13 34 23 – Prefabricated Buildings.

- .13 Doors 406B, 407B, 408B and 409B (PIL Booths) are indicated as “sliders by others” however there are hollow metal doors specified. Are these doors to be carried by Section 09 65 16 or others?

Provision of these items is the responsibility of Section 13 34 23 – Prefabricated Buildings.

- .14 Are the supply and installation of Traffic Signal Lights part of the Scope of Work.

Yes. As per the requirements of related Drawings and Specifications.

- .15 Drawings A1.0 indicate “*HATCH DENOTES MIT FUNDED PORTION OF WORK*” for new concrete lane. Is this within this Contract Scope of Work, or by Others?

This Work is within this Contract Scope of Work, but costs are required to be broken out and identified for funding by Others.

2 SPECIFICATIONS

- .I Section 07 52 00 – MODIFIED BITUMINOUS MEMBRANE ROOFING

- .1 **Add** the following Subsection:

2.16 DRAIN BASINS

- .1 Provide compatible 1200 x 1200 drain basins at each roof drain.

.2 Section 08 71 00 – DOOR HARDWARE, **as replaced in AMENDMENT – 002, Item 2.1**

.1 In **3.6 Schedule:**

.1 **Set: 1.0:**

.1 **Revise** Threshold to: **256x6A**, in lieu of 171A indicated.

.2 **Set: 8.0:**

.1 **For D505 only: add** additional hinges, flush bolt, coordinator, closer, etc. as required for a double door.

.3 **Set: 20.0:**

.1 **Revise** Threshold to: **256x6A**, in lieu of 171A indicated.

.3 Section 10 51 13 – METAL LOCKERS AND BENCHES

.1 In Subsection 2.4.3:

.1 **Revise** dimension to: **3050 mm long x 610 mm wide**, as indicated on Detail 8 on Drawing Sheet A4.0-Rev. B (as issued as part of AMENDMANT – 004).

3 DRAWINGS

.1 Drawing S1.2 – Foundation Plan

.1 The 900Ø special pile cap located at gridline intersection 5/A.1 shall be 900mm deep and reinforced with the following:

.1 12-20m full height verts

.2 10m double rings @ 200 o/c

.3 Provide 6-20m dowels from pile below to cap, and from cap to pedestal above.

.2 The P2 pile located at gridline intersection 5/A.1 shall have a top of pile elevation of 98 300.

.2 Drawings ME1.1 & ME1.2 – Split Electrical Air Conditioners

1. **Add** to drawing ME1.1, ME1.2 : Equipment - AC-1B, AC-2B, AC-3B / CU-1B, CU-2B, CU-3B; Mechanical Remarks;

- .1 Colour of indoor equipment shall be white.
- .2 Indoor unit wall mounted.
- .3 All refrigerant piping/tubing shall be copper TYPE ACR Rigid.
- .4 Variable Speed Compressor (VCSi)
- .5 Fan Speed Control (Hi, Med, Low)
- .6 Horizontal Airflow – Manual
- .7 Vertical Airflow – Auto
- .8 Extra long pipe length
- .9 Auto Start on power failure

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- NOTES:
1. FIELD VERIFY ALL UTILITY LOCATIONS AND BOUNDARIES PRIOR TO COMMENCING WORK.
 2. INCLUDE ALL TESTING, TELEVISION, COMMISSIONING AND/OR PERMITS ASSOCIATED WITH THE WORKS.
 3. SMOOTH DOWELS SHALL BE PLACED AT 300mm INTERVALS FROM CENTER TO CENTER. THE SMOOTH DOWELS SHALL BE PLACED AT A MINIMUM OF 100mm BUT NO MORE THAN 200mm AWAY FROM ANY LONGITUDINAL JOINT AND OUTER EDGES OF CONCRETE.

PROPERTY LIMITS DELINEATION

DELINEATION OF PROPERTY LIMITS AS SHOWN ON THIS DWG DOES NOT REPRESENT A "LEGAL SURVEY". KGS GROUP MAKES NO REPRESENTATION OR WARRANTY AS TO THE ACCURACY OF PROPERTY LIMITS DELINEATED ON THIS DWG, NOR ON THE DIMENSIONAL ACCURACY OF DWG FEATURES RELATIVE TO THOSE PROPERTY LIMITS.

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

DO NOT SCALE DRAWINGS

Revision/Modifications	Description/Description	Date/Date
3	REISSUED FOR CONSTRUCTION	16/12/12
2	ISSUED FOR CONSTRUCTION	16/11/02

PUBLIC WORKS
GOVERNMENT SERVICES
CANADA

Project title/Titre du projet
EMERSON, MANITOBA
HIGHWAY 75, UNITED STATES BORDER

EXPANSION AND
REDEVELOPMENT OF THE
EMERSON PORT OF ENTRY

Approved by/Approve par
CR

Designed by/Concept par
EMS/GES

Drawn by/Dessiné par
GES

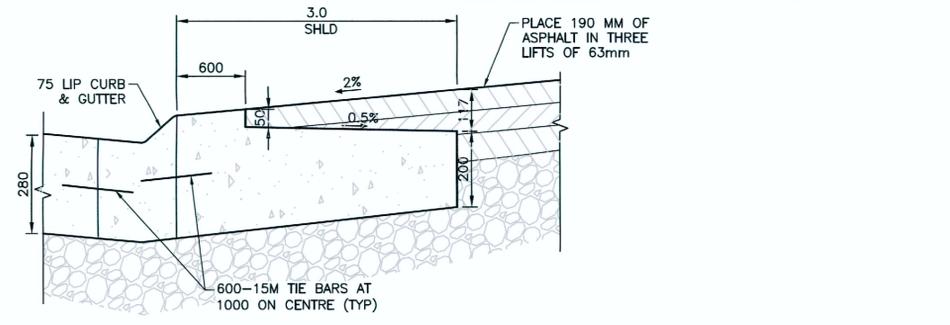
PWGC Project Manager/Administrateur de Projets TPSCG
JAMES HUTCHINGS

PWGC, Architectural and Engineering Resources Manager/
Ressources Architectural et de Directeur d'ingénierie, TPSCG

Client/client

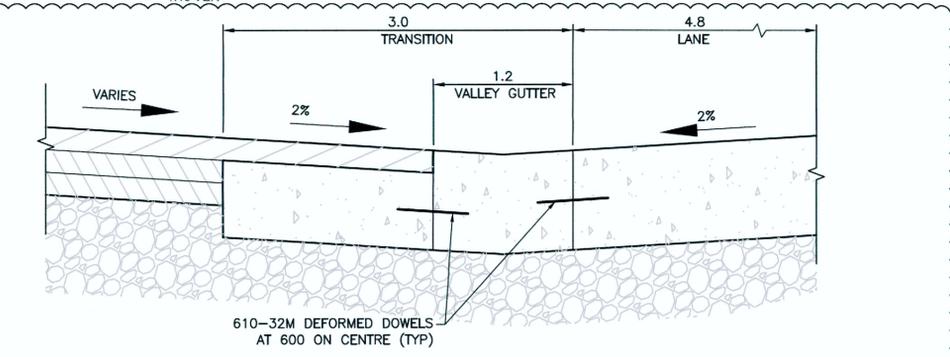
Drawing title/Titre du dessin
DETAILS - SHEET 1

Project No./No. du projet R.068431.001	Sheet/Fauille C15 OF C23	Revision no./La Révision no. 3
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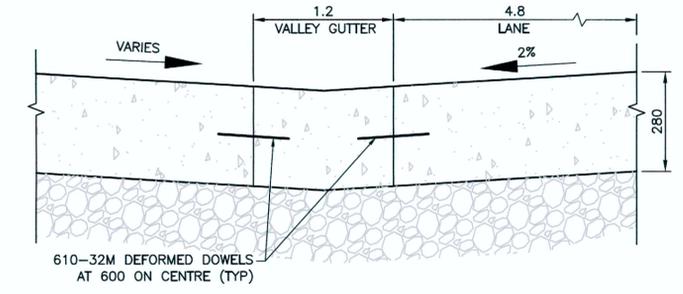
TRANSITION SLAB WITH 75 LIP CURB

SCALE: 1:30 HOR
1:10 VER



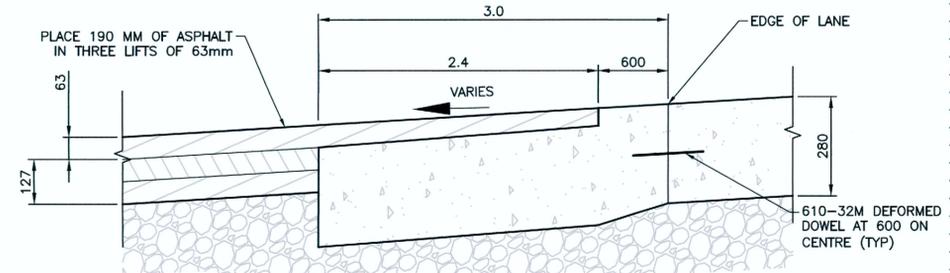
TRANSITION SLAB & CONCRETE VALLEY GUTTER DETAIL

SCALE: 1:30 HOR
1:10 VER



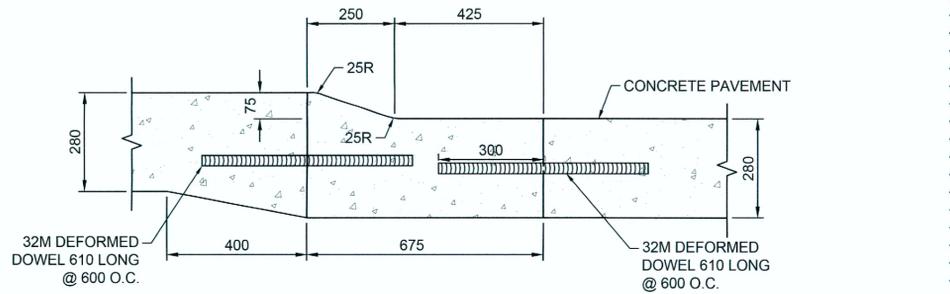
CONCRETE VALLEY GUTTER DETAIL

SCALE: 1:30 HOR
1:10 VER



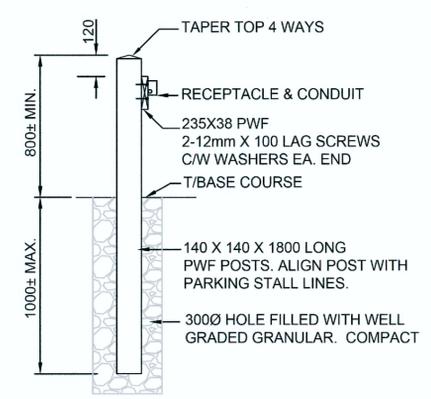
TRANSITION SLAB FOR CROSS OVER LANE

SCALE: 1:30 HOR
1:10 VER



75 LIP CURB TO CONCRETE PAVEMENT

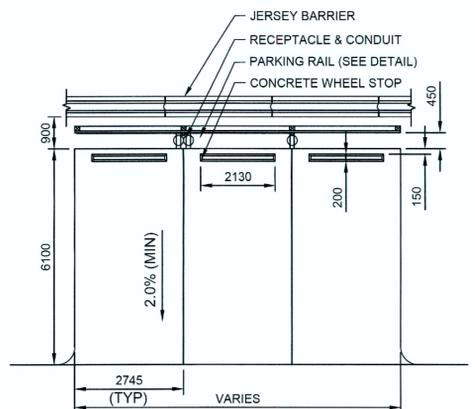
SCALE: 1:10



NOTES:
ALL FASTENERS TO BE HOT-DIPPED GALV.

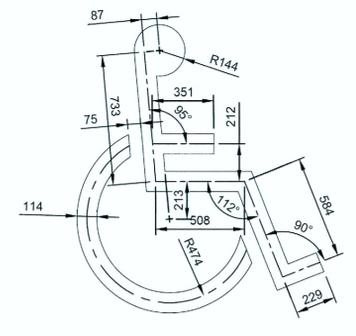
PARKING RAIL DETAIL

SCALE: 1:20



PARKING AREA DETAIL

SCALE: 1:100



HANDICAP PARKING SYMBOL

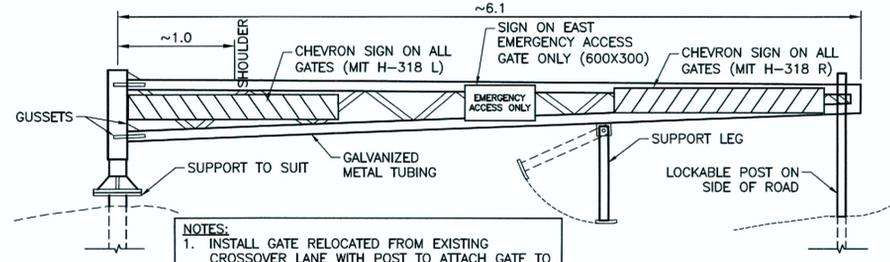
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EXISTING SUPPORT FOR GATE ON CROSSOVER LANE



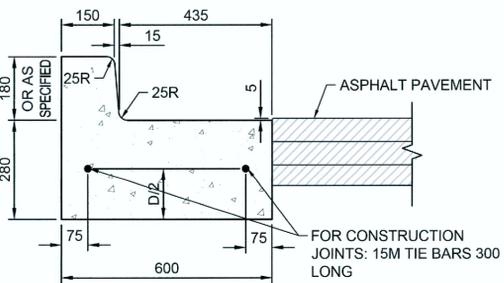
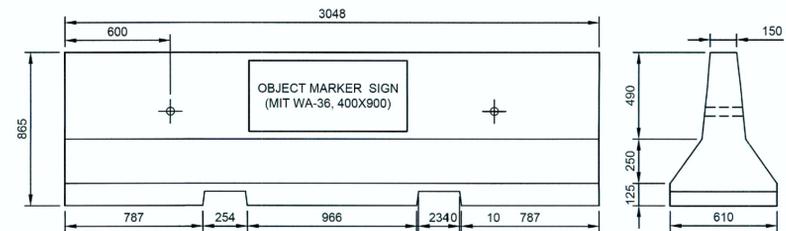
EXISTING GATE ON CROSSOVER LANE



GATES

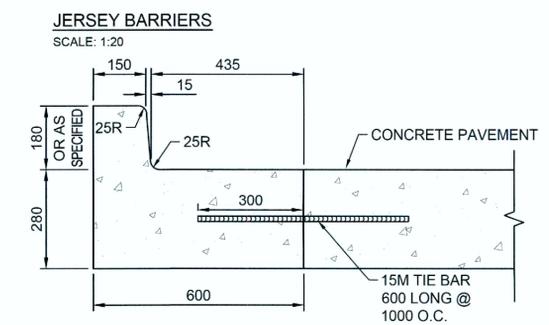
SCALE: 1:30

- NOTES:
1. INSTALL GATE RELOCATED FROM EXISTING CROSSOVER LANE WITH POST TO ATTACH GATE TO IN OPEN POSITION ONLY
 2. INSTALL GATE CURRENTLY IN STORAGE YARD WITH POST TO ATTACH GATE TO IN OPEN POSITION ONLY
 3. SUPPLY AND INSTALL GATE TO MATCH EXISTING WITH POST TO ATTACH GATE TO IN BOTH OPEN & CLOSED POSITIONS
 4. ALL GATES WILL REQUIRE NEW SUPPORTS TO MATCH MANUFACTURERS REQUIREMENTS



CURB & GUTTER FOR ASPHALT PAVEMENTS

SCALE: 1:10



CURB & GUTTER FOR CONCRETE PAVEMENTS

SCALE: 1:10

