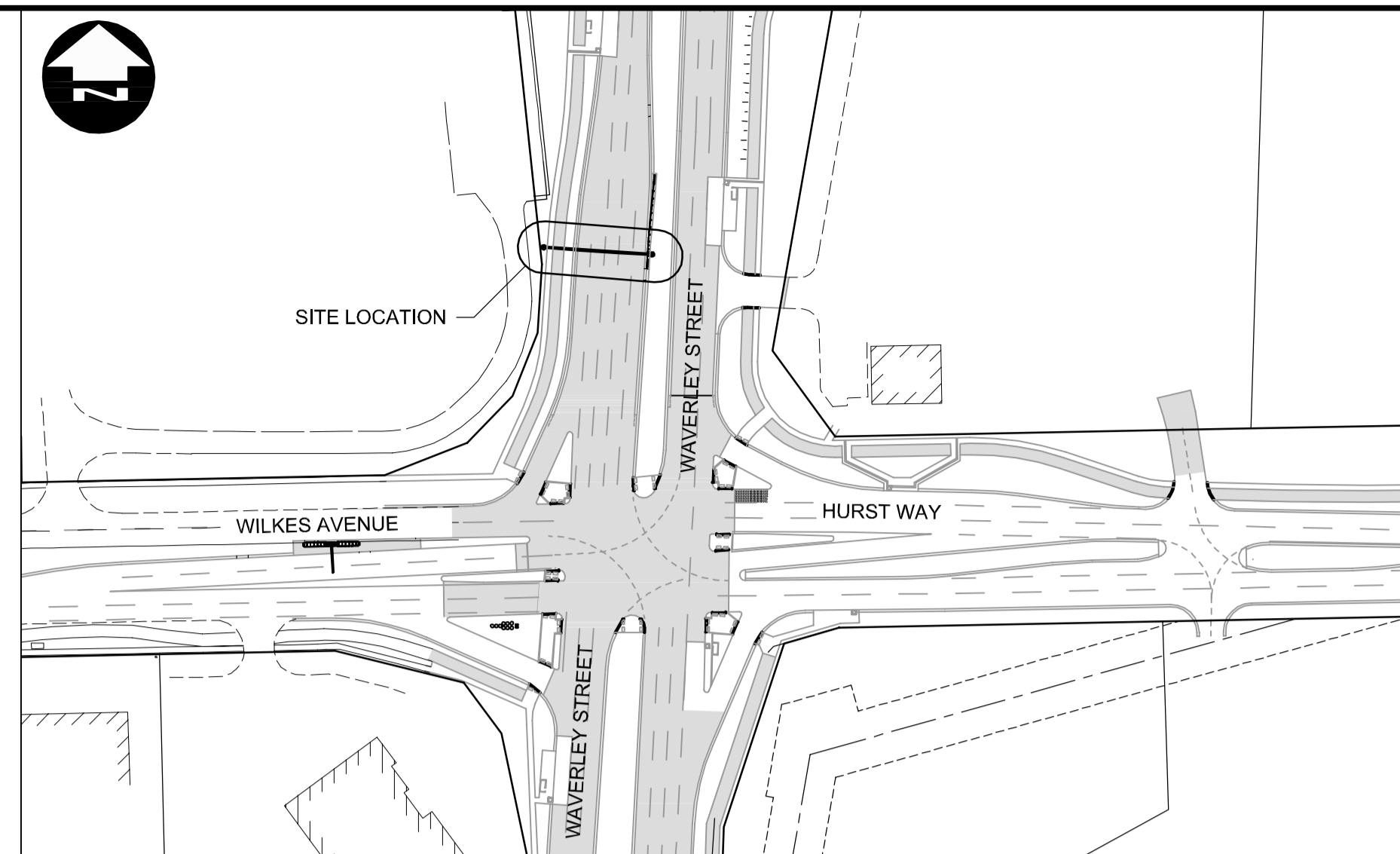


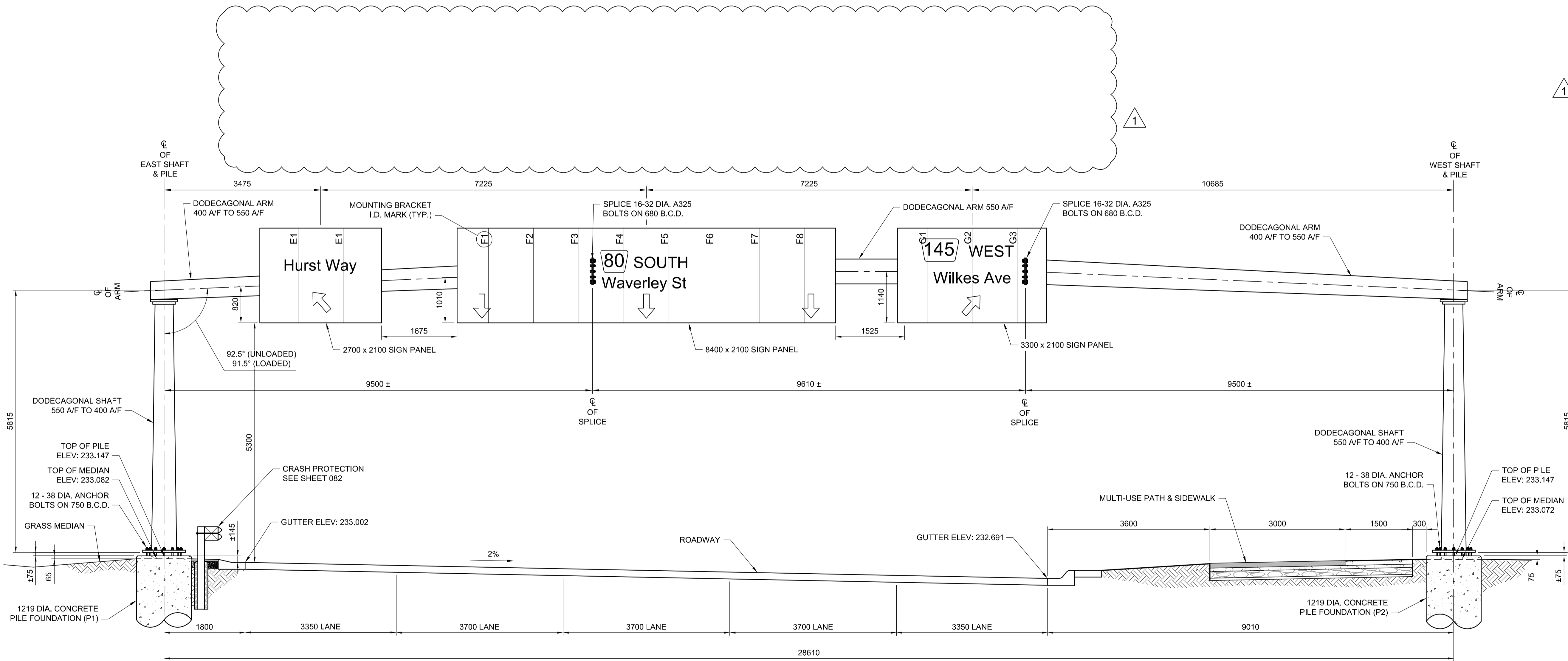
**SITE PLAN**  
SCALE 1:250

**GENERAL NOTES**

- DESIGN DATA**
  - AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS, 5TH EDITION, 2009, PLUS INTERIMS.
  - DESIGN WIND LOAD = 1.5 kPa
  - DESIGN ICE LOAD = 0.15 kPa
  - FATIGUE CATEGORY I CONSIDERING NATURAL WIND GUSTS, TRUCK INDUCED GUSTS AND GALLOPING.
- ALL PLATE MATERIALS SHALL BE CSA G40.21 - 300W STRUCTURAL STEEL.
- ALL MATERIALS EXCEPT STAINLESS STEEL AND ALUMINUM SHALL BE HOT-DIP GALVANIZED IN ACCORDANCE WITH ASTM A123 TO A MIN. NET RETENTION OF 610 g/m<sup>2</sup> UNLESS INDICATED OTHERWISE.
- ALL AREAS OF DAMAGED GALVANIZING SHALL BE REPAIRED WITH SPRAY-ON COATING CALLED "ZINGA" OR APPROVED EQUIVALENT, HAVING A MINIMUM 96% ZINC CONTENT IN THE DRY FILM.
- ALUMINUM T-BARS & SIGNS**
  - CONTRACTOR SHALL SUPPLY AND DELIVER ALUMINUM T-BARS TO THE CITY OF WINNIPEG TRAFFIC SERVICES SIGN SHOP A MINIMUM OF 3 WEEKS IN ADVANCE OF INTENDED DATE FOR PICKUP. CITY WILL INSTALL SIGN PLATES ON SUPPLIED T-BARS.
  - 3 SIGN PANELS, MAXIMUM SIZE 8400 x 2100 mm. SUPPLIED BY THE CITY OF WINNIPEG TRAFFIC SERVICES BRANCH. PICK UP AND INSTALLATION BY CONTRACTOR.
  - SIGN PANELS SHALL BE INSTALLED ON THE SIGN SUPPORT STRUCTURE IMMEDIATELY FOLLOWING ERECTION OF THE SUPPORT STRUCTURE (SAME DAY).
- PROVIDE "RAISED" IDENTIFICATION NO. WITH WELDING ELECTRODE FOR THE SIGN STRUCTURE.
- GRIND ALL SHARP POINTS AND EDGES.
- EXTERIOR WELD JOINING SHAFT TO TRANSVERSE PLATE SHALL BE AN UNEQUAL LEG COMPLETE PENETRATION WELD WITH THE LONG LEG OF THE WELD ALONG THE SHAFT TERMINATING AT 30° FROM THE SHAFT SURFACE.
- SEAM WELDS SHALL BE 100% PENETRATION WITHIN 200mm OF BOTH ENDS OF THE VERTICAL AND ARM SHAFTS.



**KEY PLAN**  
SCALE 1:1500



**S785 ELEVATION - LOOKING SOUTH**  
SCALE 1:50

**NOTE:**  
ELEVATIONS SHOWN ARE APPROXIMATE.  
CONTRACTOR SHALL VERIFY ALL  
ELEVATIONS PRIOR TO INSTALLATION OF  
CONCRETE PILE FOUNDATION.

CENTRE OF PILE LAYOUT TABLE				
STRUCTURE	STATION	O/S	NORTHING	EASTING
S785 (P1)	1+571.79	5.15	5523277.620	630899.066
S785 (P2)	1+571.79	23.46	5523279.528	630870.520

**APEGM**  
Certificate of Authorization  
**Dillon Consulting Limited (MB)**  
No. 1789 Date: 2017/01/09

NO.	REVISIONS	DATE	BY	DATE
1	ADDENDUM #1	17/01/25	DA	
0	ISSUED FOR TENDER	17/01/09	DA	

DESIGNED BY		CHECKED BY	
DRA		SSR	
DRAWN BY		APPROVED BY	
MDG		DBW	
HOR. SCALE		RELEASED FOR CONSTRUCTION	
AS SHOWN			
VERTICAL		DATE	
AS SHOWN			

ENGINEER'S SEAL  
PROVINCE OF MANITOBA  
**D.R.C. AMORIM**  
Member 33215  
REGISTERED PROFESSIONAL ENGINEER  
CONSULTANT PROJECT NUMBER  
**16-3353**

**THE CITY OF WINNIPEG**  
PUBLIC WORKS DEPARTMENT  
**Winnipeg**  
WAVERLEY STREET UNDERPASS AT CN MILE 3.89 RIVERS SUB  
CONTRACT 2: UNDERPASS STRUCTURE, RAILWORKS,  
ROADWORKS, LAND DRAINAGE SEWER, PUMPING STATION  
AND LANDSCAPING WORKS  
CITY DRAWING NUMBER  
U-239-2016-C2-CS-079  
SHEET 079 OF 085  
CONSULTANT DRAWING NUMBER  
C2-CS-079

**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  
REGULATION 210/72 FOR DETAILS.  
3. OBTAIN EXCAVATION PERMITS PRIOR TO  
CONSTRUCTION.