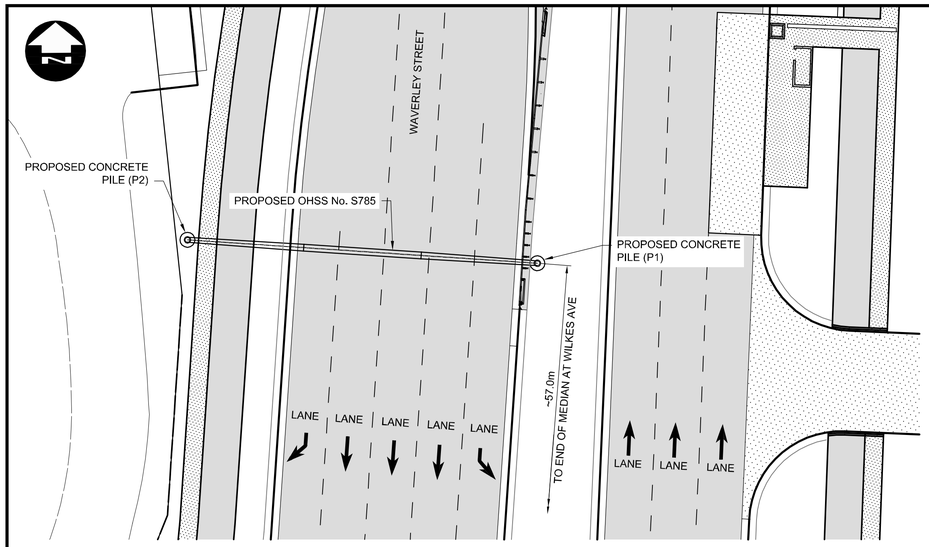
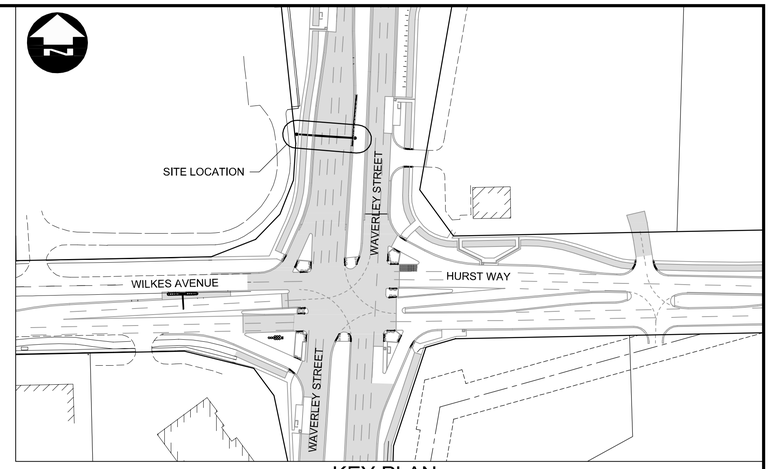


SITE PLAN
SCALE 1:250

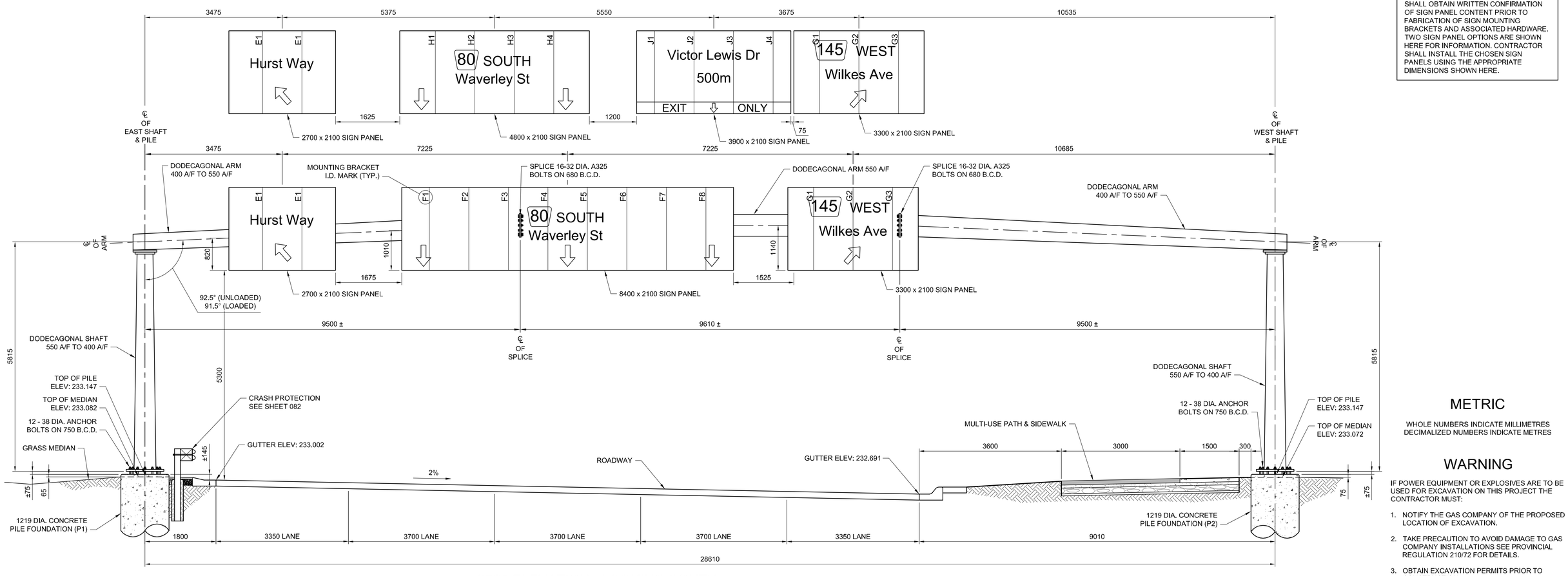
GENERAL NOTES

1. 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.
2. ALL PLATE MATERIALS SHALL BE CSA G40.21 - 300W STRUCTURAL STEEL.
3. 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/m² UNLESS INDICATED OTHERWISE.
4. 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.
5. 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 OR 4 SIGN PANELS, MAXIMUM SIZE 8400 x 2100 mm. SUPPLIED BY THE CITY OF WINNIPEG TRAFFIC SERVICES BRANCH. PICK UP AND INSTALLATION BY CONTRACTOR. SEE NOTE THIS PAGE.
   - SIGN PANELS SHALL BE INSTALLED ON THE SIGN SUPPORT STRUCTURE IMMEDIATELY FOLLOWING ERECTION OF THE SUPPORT STRUCTURE (SAME DAY).
6. PROVIDE "RAISED" IDENTIFICATION NO. WITH WELDING ELECTRODE FOR THE SIGN STRUCTURE.
7. GRIND ALL SHARP POINTS AND EDGES.
8. 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.
9. SEAM WELDS SHALL BE 100% PENETRATION WITHIN 200mm OF BOTH ENDS OF THE VERTICAL AND ARM SHAFTS.



KEY PLAN
SCALE 1:1500

NOTE:
SIGN PANEL CONTENT HAS NOT BEEN FINALIZED BY THE CITY. CONTRACTOR SHALL OBTAIN WRITTEN CONFIRMATION OF SIGN PANEL CONTENT PRIOR TO FABRICATION OF SIGN MOUNTING BRACKETS AND ASSOCIATED HARDWARE. TWO SIGN PANEL OPTIONS ARE SHOWN HERE FOR INFORMATION. CONTRACTOR SHALL INSTALL THE CHOSEN SIGN PANELS USING THE APPROPRIATE DIMENSIONS SHOWN HERE.



S785 ELEVATION - LOOKING SOUTH
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

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.

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

NO.	REVISIONS	DATE	BY
0	ISSUED FOR TENDER	17/01/09	DA

DILLON CONSULTING

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

ENGINEER'S SEAL
PROVINCE OF MANITOBA
D.R.C. AMORIM
Member 33215
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT PROJECT NUMBER
16-3353

Winnipeg
THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

WAVERLEY STREET UNDERPASS AT CN MILE 3.89 RIVERS SUB
CONTRACT 2: UNDERPASS STRUCTURE, RAILWORKS, ROADWORKS, LAND DRAINAGE SEWER, PUMPING STATION AND LANDSCAPING WORKS

S785 - SB WAVERLEY AT WILKES AVE

CITY DRAWING NUMBER
U-239-2016-C2-CS-079

SHEET 079 OF 085

CONSULTANT DRAWING NUMBER
C2-CS-079

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