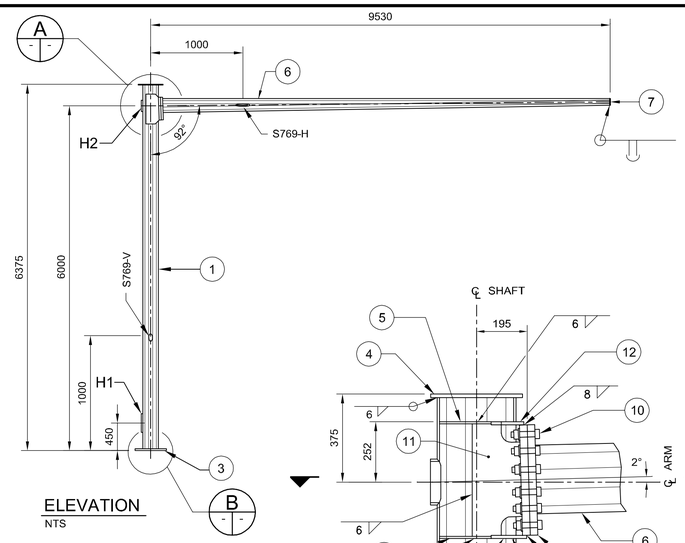
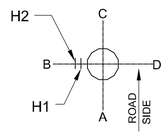
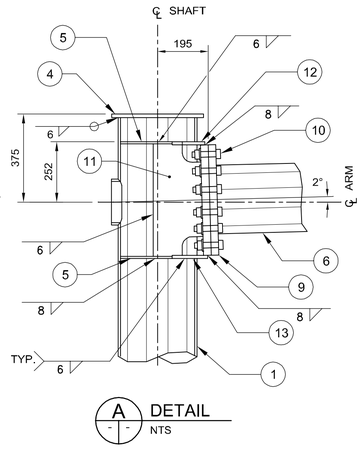


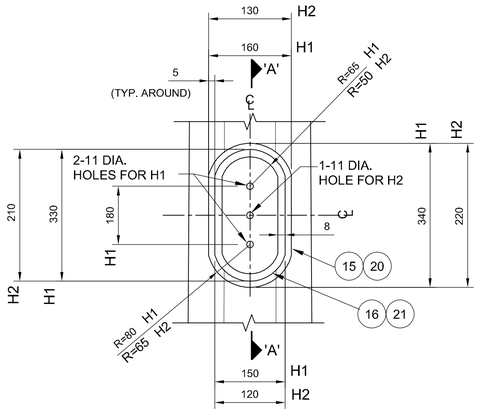
ELEVATION
NTS



ORIENTATION
NTS



A DETAIL
NTS



FRONT ELEVATION
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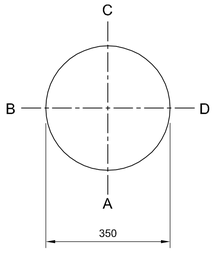


TOP PLATE - MARK 4
NTS

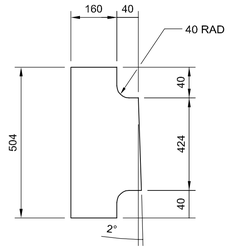
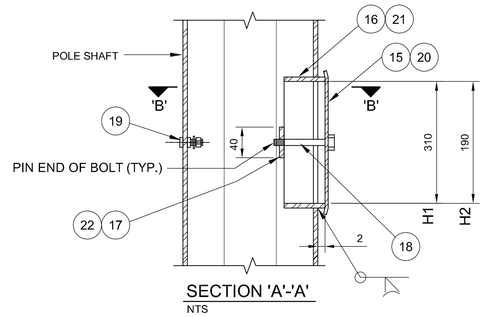
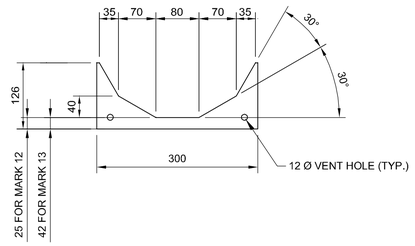


PLATE - MARK 11
NTS



SECTION 'A'-'A'
NTS



GUSSET PLATE - MARK 12 & 13
NTS

MK.	QTY.	DESCRIPTION
1	1	DODECAGONAL SHAFT 300 A/F x 4.763 THICK PLATE
2	1	BACK-UP STRIP 38 x 4.763
3	1	BASE PLATE 600 DIA. x 38 THICK
4	1	TOP PLATE 12 THICK
5	2	DODECAGONAL GUSSET PLATE 8 THICK
6	1	DODECAGONAL ARM 300 A/F TO 125 A/F x 4.763 THICK PLATE
7	1	DODECAGONAL END PLATE 125 A/F x 4.763 THICK
8	1	BACK-UP STRIP 38 x 4.763
9	2	FLANGE PLATE 32 THICK
10	12	25 DIA. BOLTS C/W NUT & 2 WASHERS (ASTM A325)
11	2	SIDE GUSSET PLATE 20 THICK
12	1	GUSSET PLATE 12 THICK
13	1	GUSSET PLATE 12 THICK
14	6	PLATE WASHER 8 THICK
		HANDHOLE MARK H1
15	1	COVER PLATE 11 GA. x 160x 340 (ASTM A569)
16	1	REINFORCING RING 8 x 65 x 830
* 17	2	CLAMP BAR 6 x 40 x 180
* 18	2	10 DIA. x 140 BOLT S/S (TYPE 316)
* 19	1	GROUND STUD ASSEMBLY 10 DIA. x 40
		HANDHOLE MARK H2
20	1	COVER PLATE 11 GA. x 130 x 220 (ASTM A569)
21	1	REINFORCING RING 8 x 65 x 555
* 22	1	CLAMP BAR 6 x 40 x 150
* 18	1	10 DIA. x 140 BOLT S/S (TYPE 316)
* 19	1	GROUND STUD ASSEMBLY 10 DIA. x 40

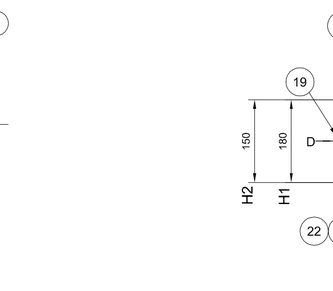
BILL OF MATERIALS

*NOTES:

1. MARK NO. 17 & 22 C/W 8-DIA. PUNCHED 10 N.C. TAPPED AT THE CENTER OF PLATE.
2. MARK NO. 18 C/W CUP WASHER.
3. MARK NO. 19 C/W 2-10 DIA. HEX NUT, 2-TERMINAL WASHER. & 1-LOCKWASHER

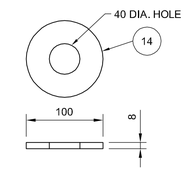
B DETAIL
NTS

1 SECTION
NTS

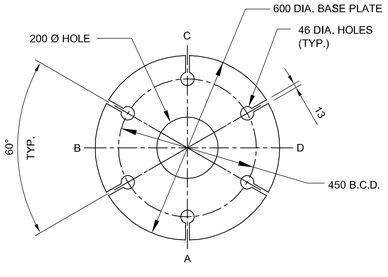


SECTION 'B'-'B'
NTS

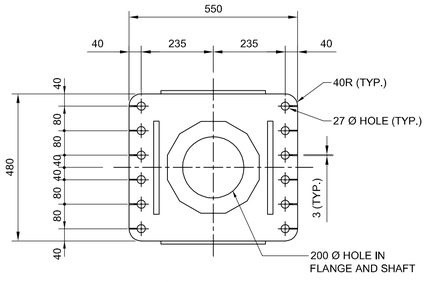
HANDHOLE - MARK H1 & H2
NTS



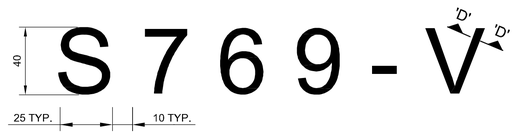
WASHER DETAIL
NTS



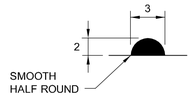
BASE PLATE DETAIL
NTS



FLANGE PLATE DETAIL
NTS



STRUCTURE IDENTIFICATION NUMBER SIZE
NTS



SECTION 'D'-'D'
NTS

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 II 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
4. ALL AREAS OF DAMAGED GALVANIZING SHALL BE REPAIRED WITH SPRAY-ON COATING CALLED "ZINGA".
5. SIGNS

   2 SIGN PLATES, MAXIMUM SIZE 900 x 900 mm EACH. SUPPLIED AND INSTALLED BY THE CITY OF WINNIPEG TRAFFIC SERVICES BRANCH.

6. INSTALL HOLES IN THE GUSSET PLATES FOR DRAINAGE DURING GALVANIZING AS DETAILED.
7. PROVIDE "RAISED" IDENTIFICATION NO. WITH WELDING ELECTRODE FOR THE SIGN STRUCTURE.
8. GRIND ALL SHARP POINTS AND EDGES.
9. 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.

APEGM
Certificate of Authorization
Dillon Consulting Limited (MB)
No. 1789 Date: 2013-04-05

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.

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

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.

B.M. 654008 N: 5515764.610 E: 633359.697
ELEV. 232.463 m

NO.	REVISIONS	DATE	BY
1	ISSUED FOR TENDER	13-04-05	MRD
0	ISSUED FOR 90% REVIEW	13-02-22	MRD

DESIGNED BY CDW
DRAWN BY JD
CHECKED BY SSR
APPROVED BY DPK
HOR. SCALE AS NOTED
VERTICAL AS NOTED
DATE 2013-04-05

DESIGN TEAM
DILLON CONSULTING
RELEASED FOR CONSTRUCTION
DATE

ENGINEER'S SEAL
PROVINCE OF MANITOBA
ORIGINAL STAMPED BY
S.S. RIHAL
2013-04-05
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT PROJECT NUMBER
12-6606

Winnipeg
THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

WWARP III - KENASTON BLVD EXTENSION
CONTRACT 3

S769 - FABRICATION DETAILS

CITY DRAWING NUMBER
S769-2013-03
SHEET 19 OF 23
CONSULTANT DRAWING NUMBER

G:\CAD_12660G\Contract\Contract_3\Current\12660G-09-STR-CON.dwg