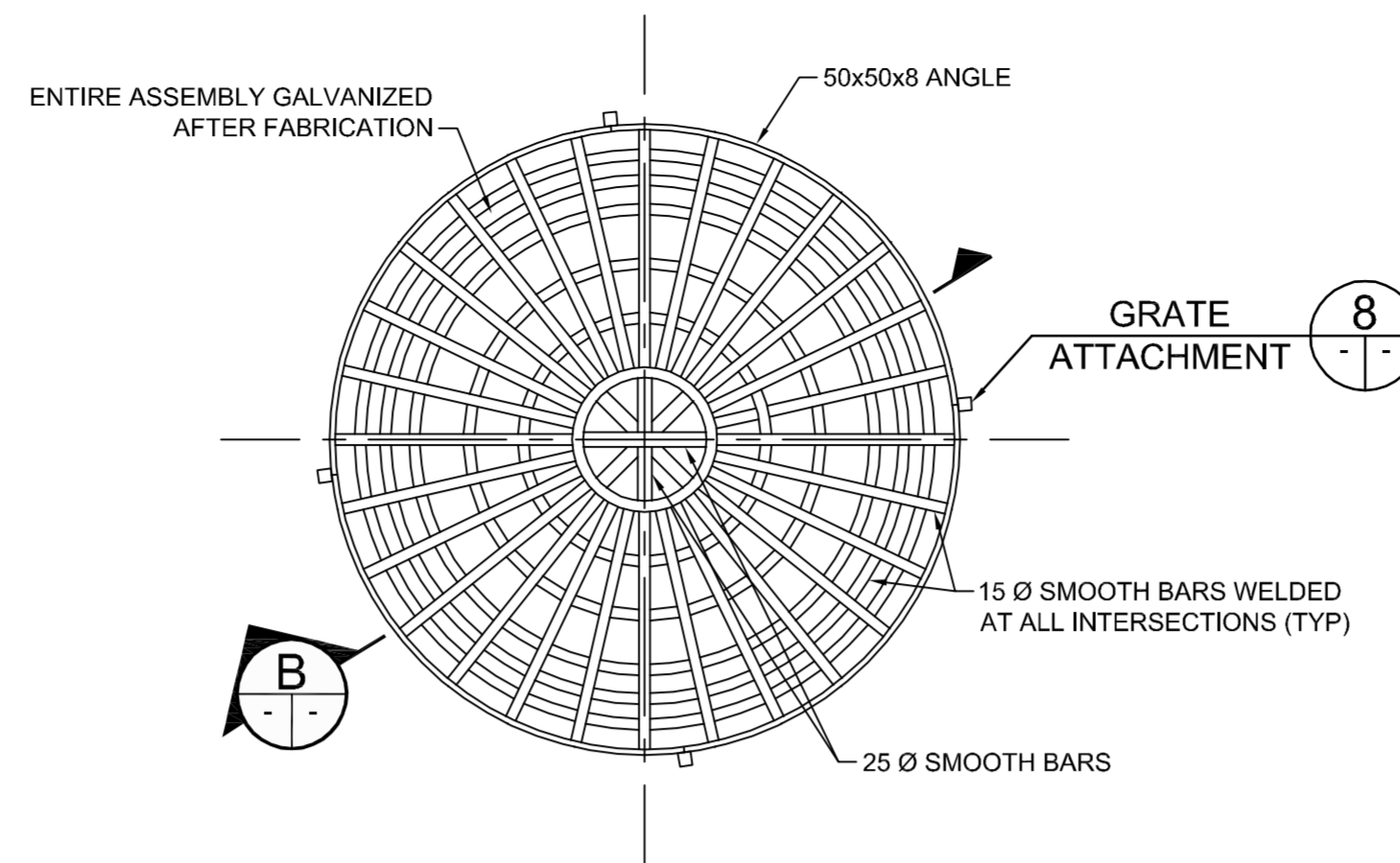
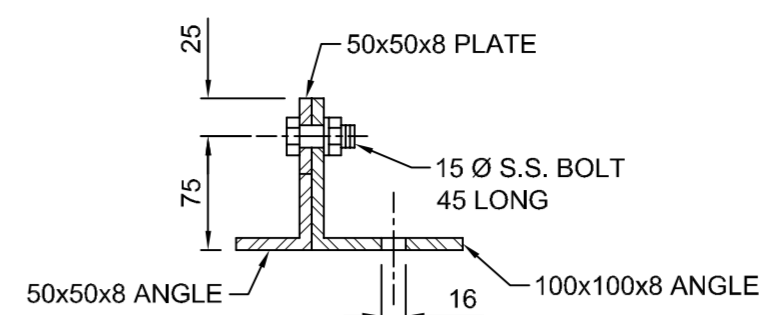


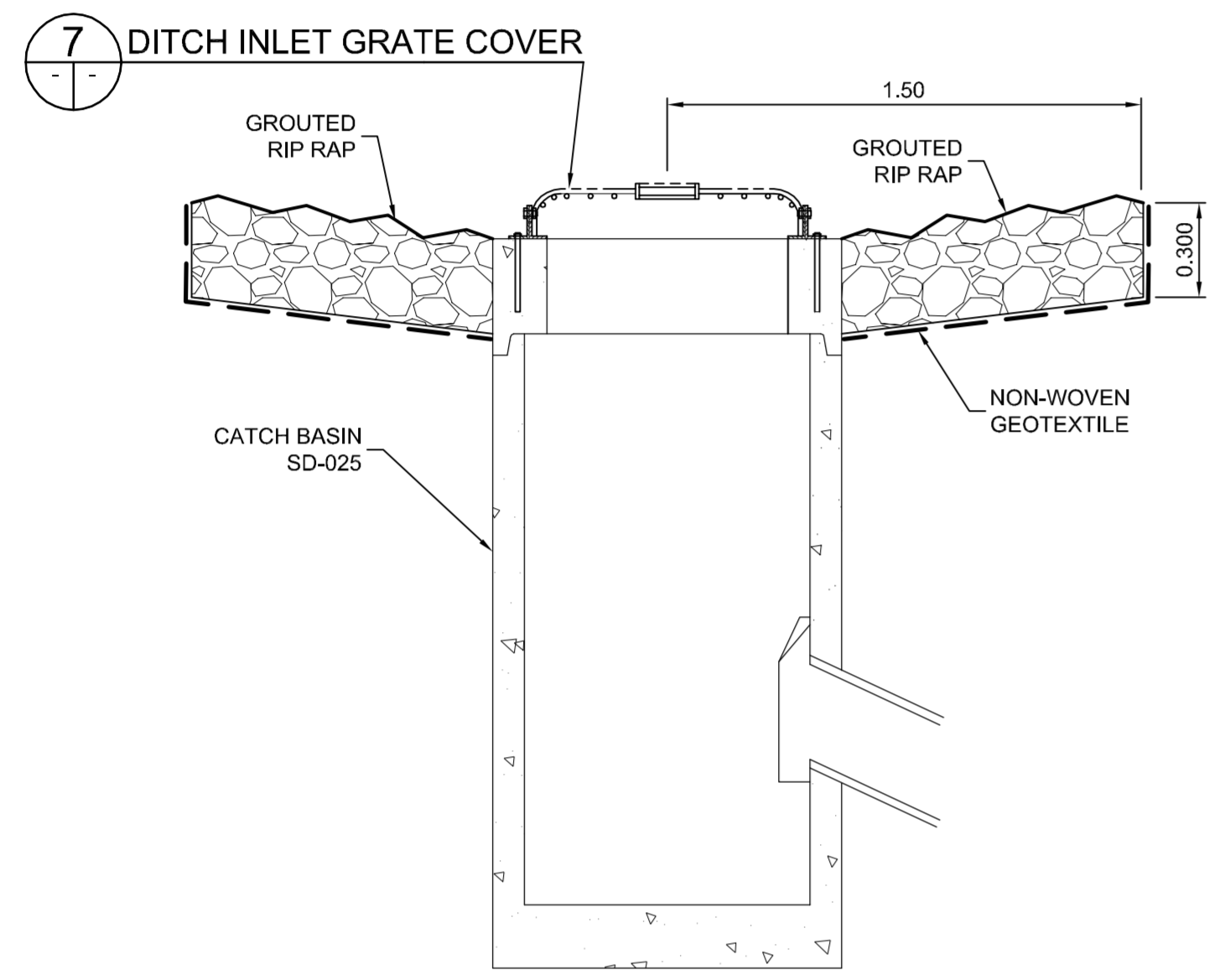
6 GROUDED STONE RIPRAP AT DITCH CATCH BASIN
5, 8, 16 20 SCALE 1:50



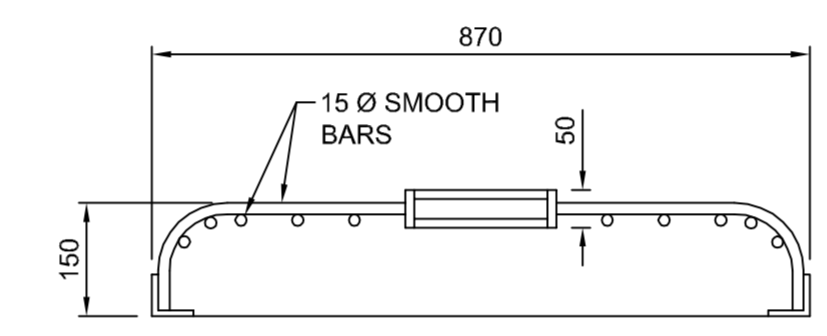
7 DITCH INLET GRATE COVER
SCALE 1:10



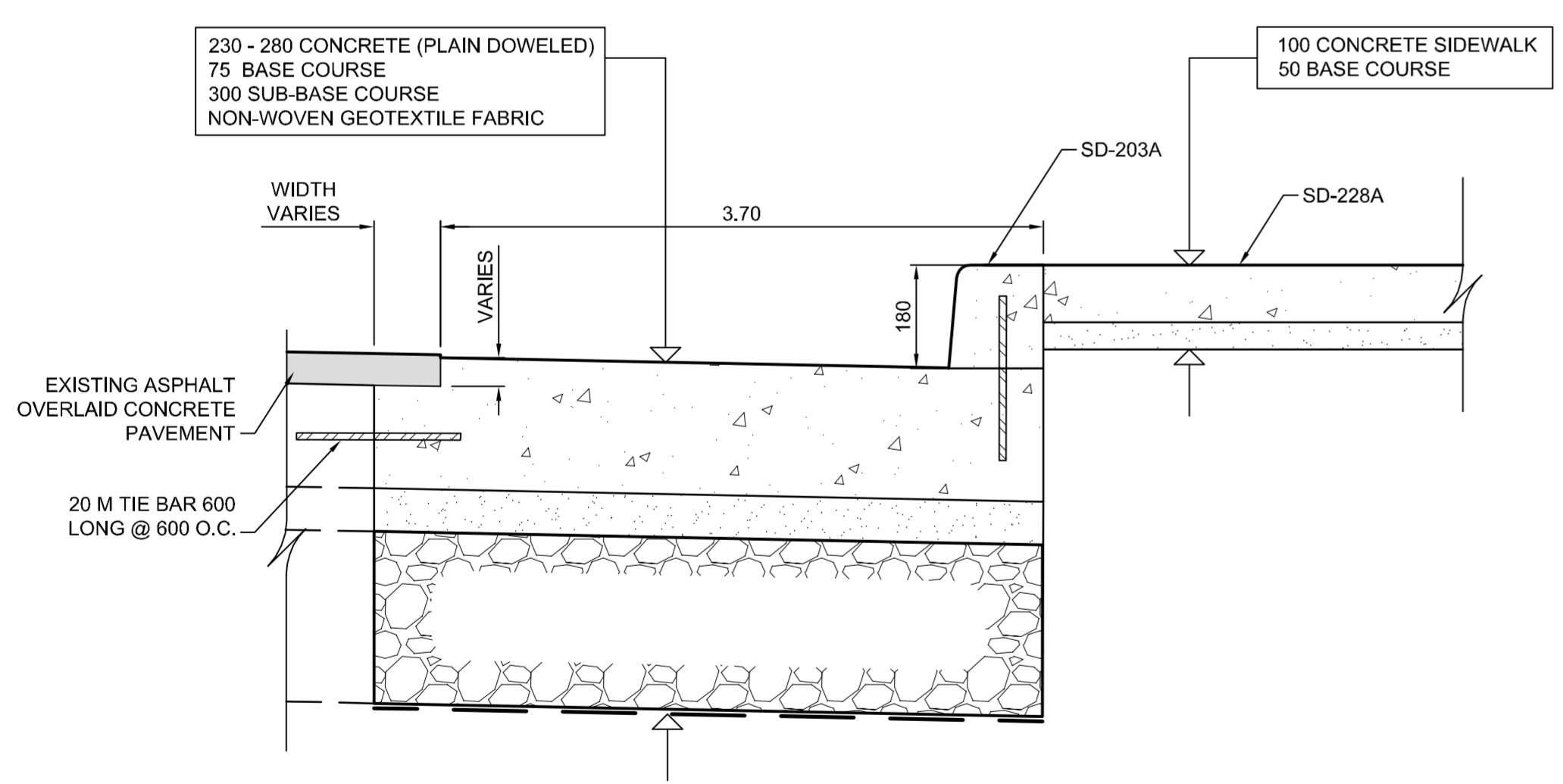
8 GRATE ATTACHMENT
SCALE 1:5



A SECTION
SCALE 1:20



B SECTION - DITCH INLET GRATE COVER
SCALE 1:10



9 AT GRADE CONCRETE BUS PAD
6, 8, 13 20 SCALE 1:10

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.

G:\CAD\11-4587\Contract\Current\Roadway\Roadway\DETAILS.dwg

150 WM	WATERMAIN	150 WM	HYDRO	HYDRO	HYDRO	150 mm W.M.	WATERMAIN	150 mm W.M.
⊕	HYDRANT	⊕	MTS	M.T.S.	MTS	+	HYDRANT	+
⊗	VALVE	⊗		CONCRETE		⊗	VALVE	⊗
300 LDS	LAND DRAINAGE SEWER	300 LDS		ASPHALT	300 mm L.D.S.	⊗	LAND DRAINAGE SEWER	300 mm L.D.S.
250 WWS	WASTE WATER SEWER	250 WWS		PLANING	250 mm W.W.S.	⊗	WASTE WATER SEWER	250 mm W.W.S.
○	MANHOLE	●		SIDEWALK		---	PROFILE	---
□	CATCH BASIN	■		PAVING STONES		⊖	NORTH/WEST GUTTER	⊖
▽	CURB INLET	▽		PARTIAL DEPTH REPAIR		⊖	SOUTH/EAST GUTTER	⊖
+	JUNCTIONS	+		PROPERTY LINE		---	NORTH/WEST T/LANE	---
⊕	CULVERT	⊕		SURVEY BAR		---	SOUTH/EAST T/LANE	---
100 GAS	GAS	100 GAS		CURB RAMP		---		
---	EXISTING	---	---	LEGEND-PLAN	---	---	LEGEND-PROFILE	---
---	PROPOSED	---	---	PROPOSED	---	---	PROPOSED	---

UNDERGROUND STRUCTURES	DATE
SUPPLY U/G STRUCTURES COMMITTEE	

NO.	REVISIONS	DATE	BY
1	ISSUED FOR TENDER	11/06/23	JNC

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY	HOR. SCALE	VERTICAL
RTP	PMW	JNC	DPK	AS NOTED	
				2011/06/23	

DILLON CONSULTING

ENGINEER'S SEAL
PROVINCE OF MANITOBA
ORIGINAL STAMPED BY
J.N. CRANG
2011/06/23
REGISTERED PROFESSIONAL ENGINEER

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

BISON DRIVE & PEMBINA HIGHWAY INTERSECTION IMPROVEMENTS

CITY DRAWING NUMBER: P-3327-20
SHEET 20 OF 24
CONSULTANT DRAWING NUMBER

DETAILS 6, 7, 8 AND 9

CONSULTANT PROJECT NUMBER: 11-4587