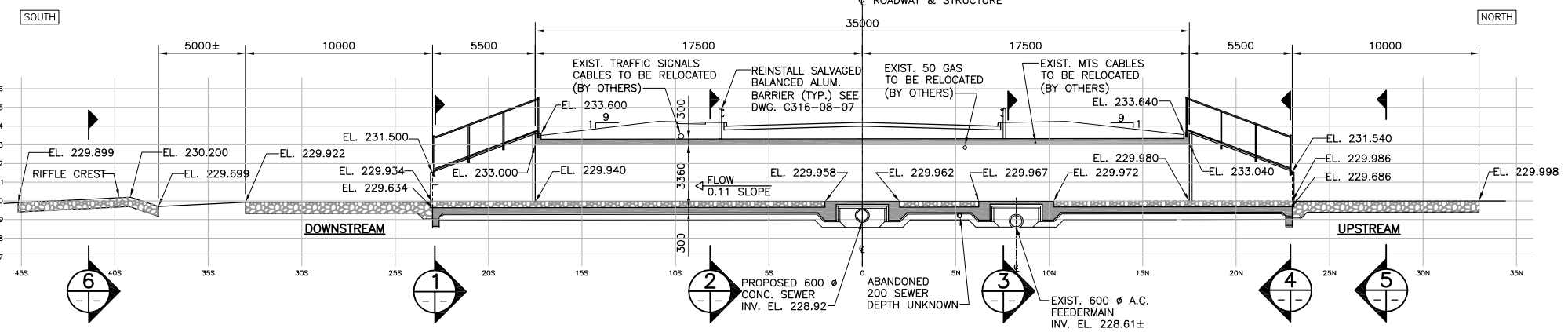
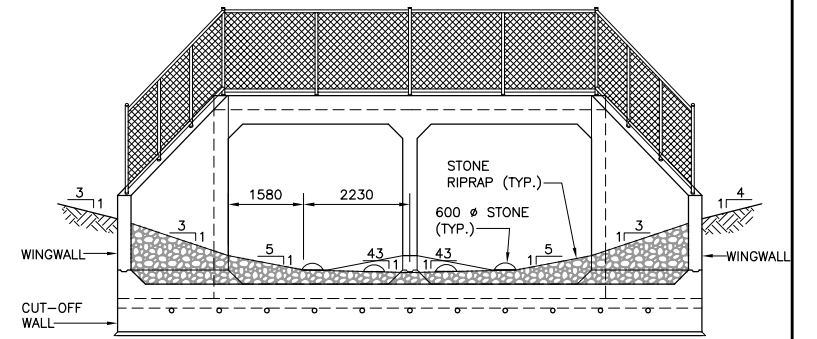
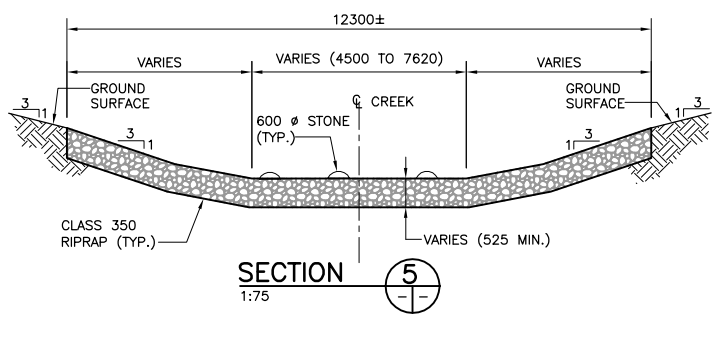
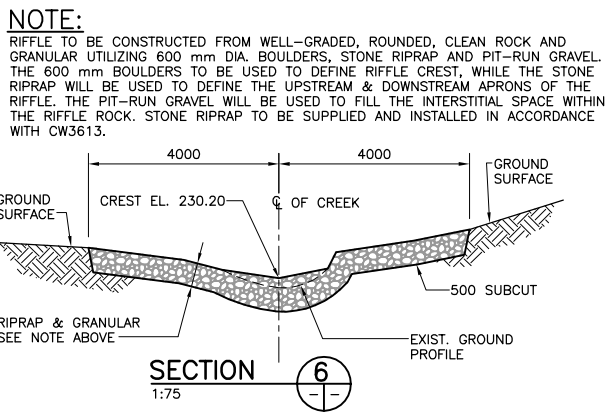


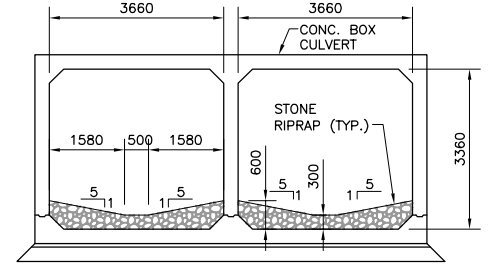
PLAN
1: 300



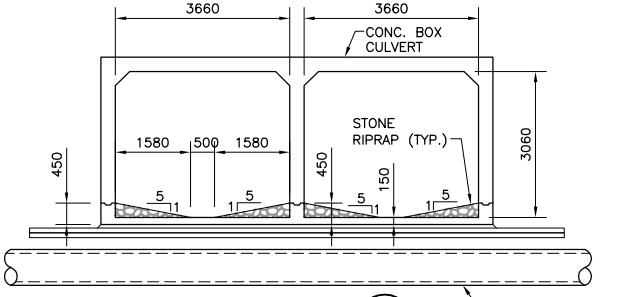
PROPOSED CONCRETE BOX CULVERT LONGITUDINAL CROSS-SECTION
1: 150



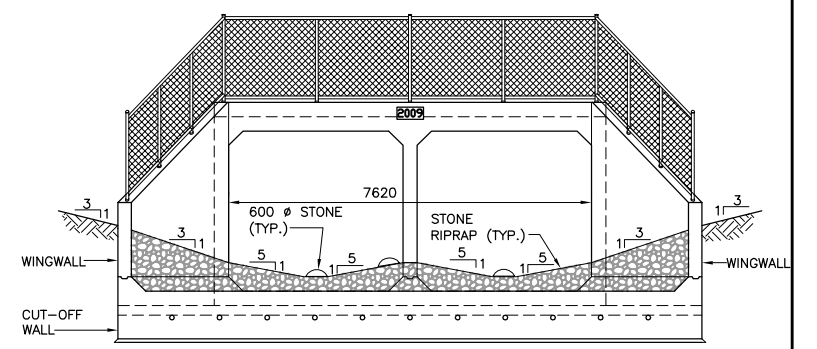
DOWNSTREAM
SECTION 1
1:75



SECTION 2
1:75



SECTION 3
1:75



UPSTREAM
SECTION 4
1:75

NOTE:
RIFFLE TO BE CONSTRUCTED FROM WELL-GRADED, ROUNDED, CLEAN ROCK AND GRANULAR UTILIZING 600 mm DIA. BOULDERS, STONE RIPRAP AND PIT-RUN GRAVEL. THE 600 mm BOULDERS TO BE USED TO DEFINE RIFFLE CREST, WHILE THE STONE RIPRAP WILL BE USED TO DEFINE THE UPSTREAM & DOWNSTREAM APRONS OF THE RIFFLE. THE PIT-RUN GRAVEL WILL BE USED TO FILL THE INTERSTITIAL SPACE WITHIN THE RIFFLE ROCK. STONE RIPRAP TO BE SUPPLIED AND INSTALLED IN ACCORDANCE WITH CW3613.

B.M. ELEV.	DESIGNED BY J.S.B.
	DRAWN BY N.B.G.
	CHECKED BY S.S.R.
	APPROVED BY
2 ISSUED FOR TENDER 12/08/08 N.B.G.	HOR. SCALE AS SHOWN
1 ISSUED FOR CITY REVIEW 11/21/08 N.B.G.	VERTICAL AS SHOWN
NO. REVISIONS	DATE BY DATE NOV. 21, 2008

DILLON CONSULTING

RELEASED FOR CONSTRUCTION ORIGINAL SIGNED BY B.A. NEIRNICK DATE DECEMBER 10, 2008

ENGINEER'S SEAL
PROVINCE OF MANITOBA
REGISTERED PROFESSIONAL ENGINEER
J.S. BETKE
DEC. 10, 2008
Member 22412

CONSULTANT PROJECT NO.
04-3330-2000

THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT

Winnipeg

OMAND'S CREEK CULVERT THROUGH SARGENT AVENUE

CITY DRAWING NUMBER C316-08-03
SHEET 3 OF 10

GENERAL ARRANGEMENT OF PROPOSED WORKS

BID OPPORTUNITY 859-2008

40DILLON ACAD FILE: G:\CAD\043330\Drawn\Current\3 - GENERAL ARRANGEMENT.dwg 9/25/2008