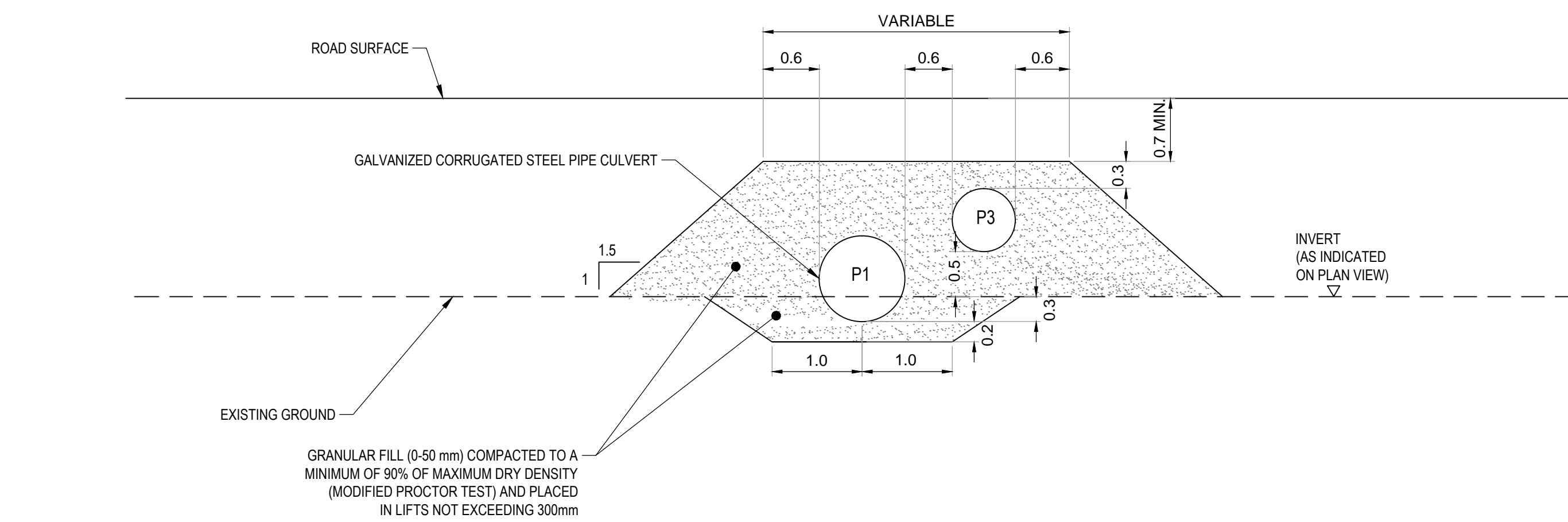


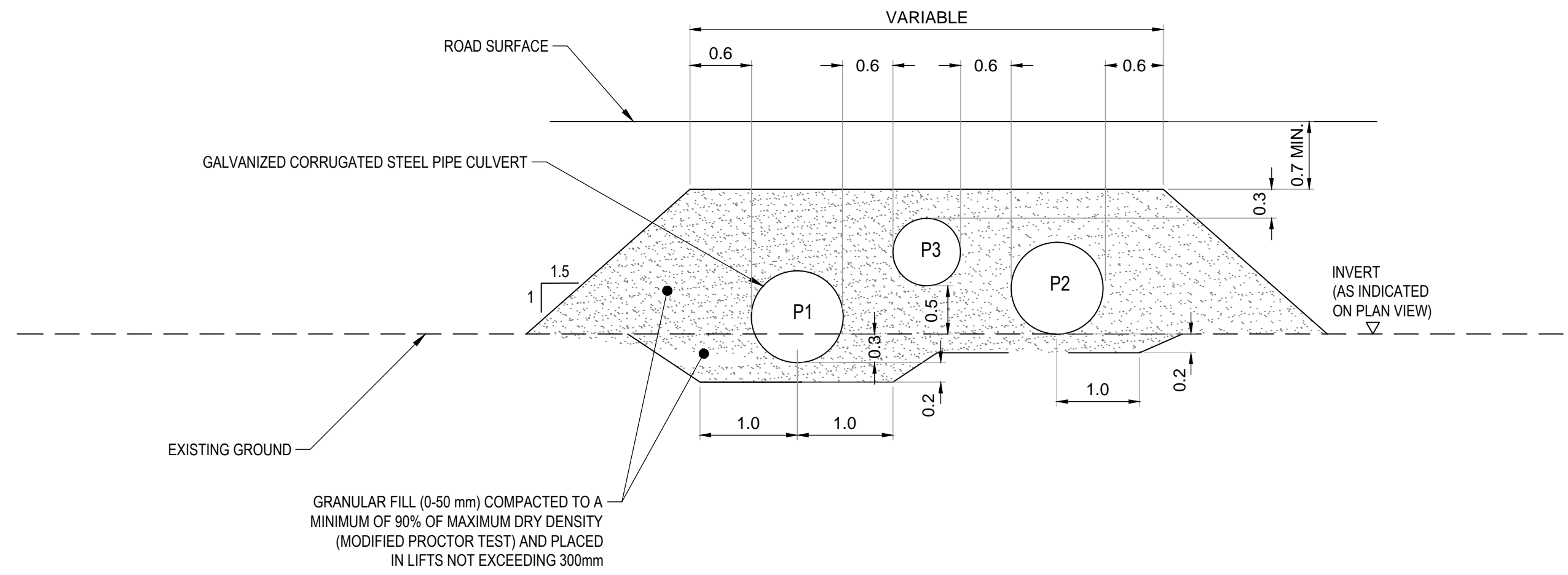
APPENDIX C

Construction Drawings :

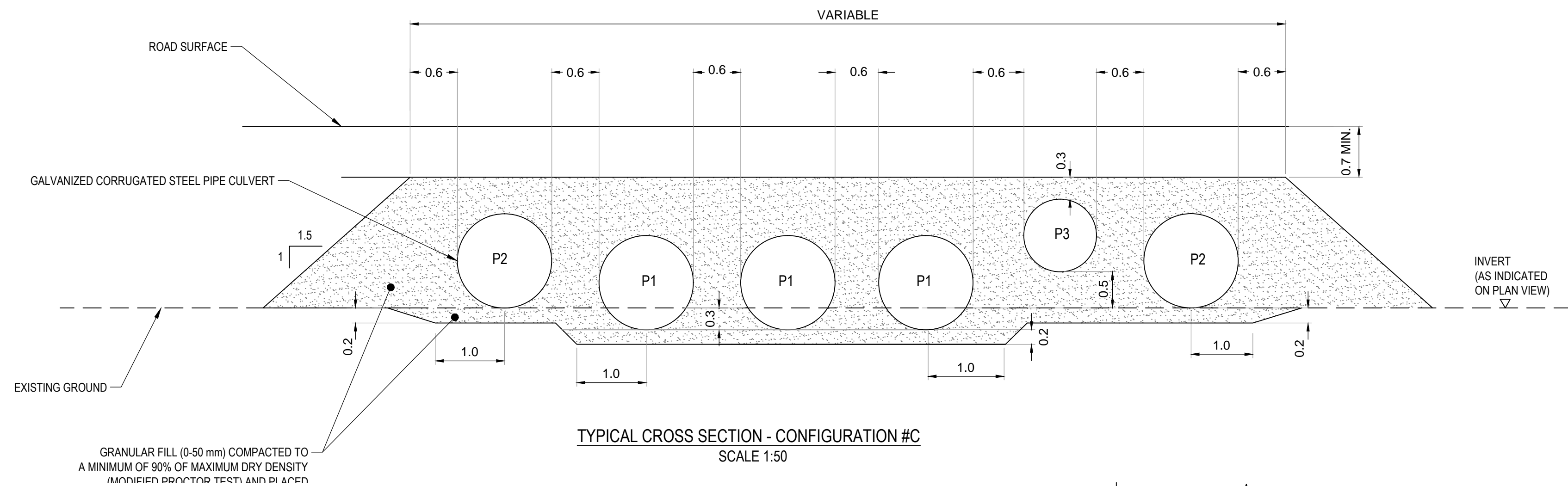
- 65-117-230-209
- 65-117-230-212



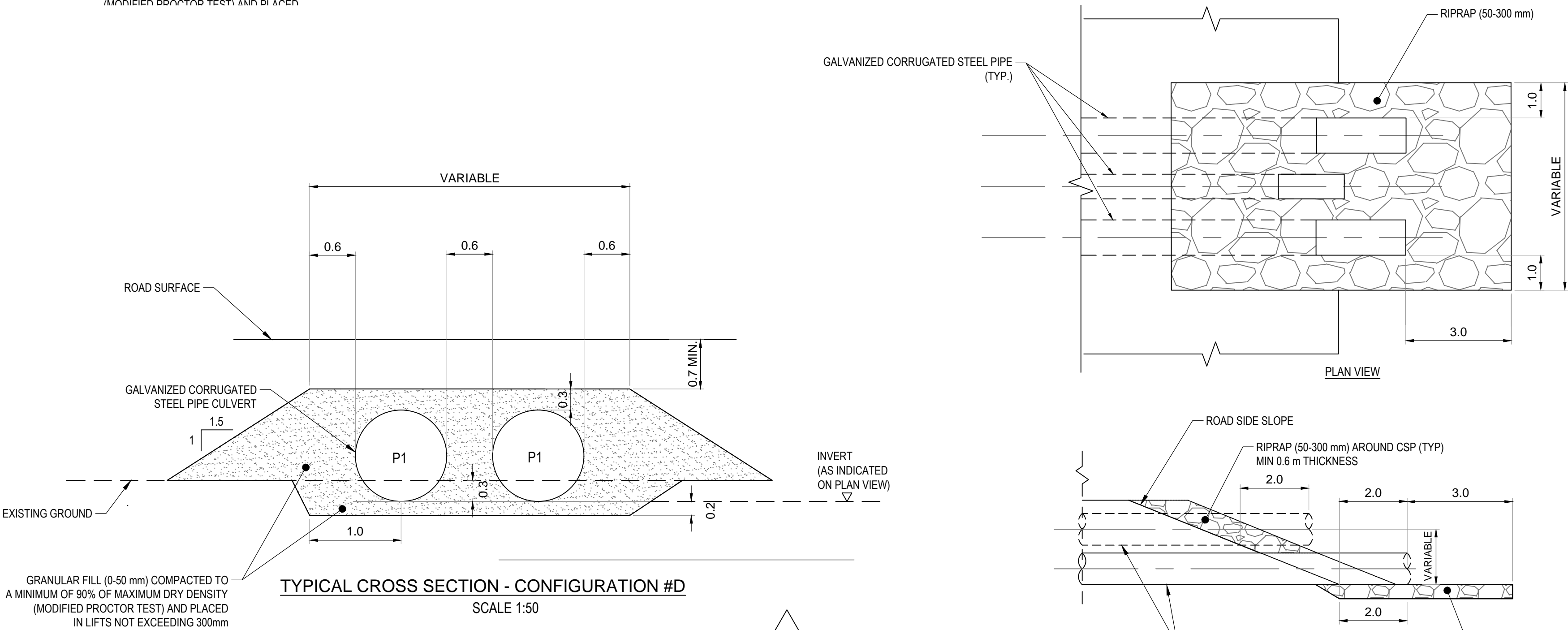
TYPICAL CROSS SECTION - CONFIGURATION #A
SCALE 1:50



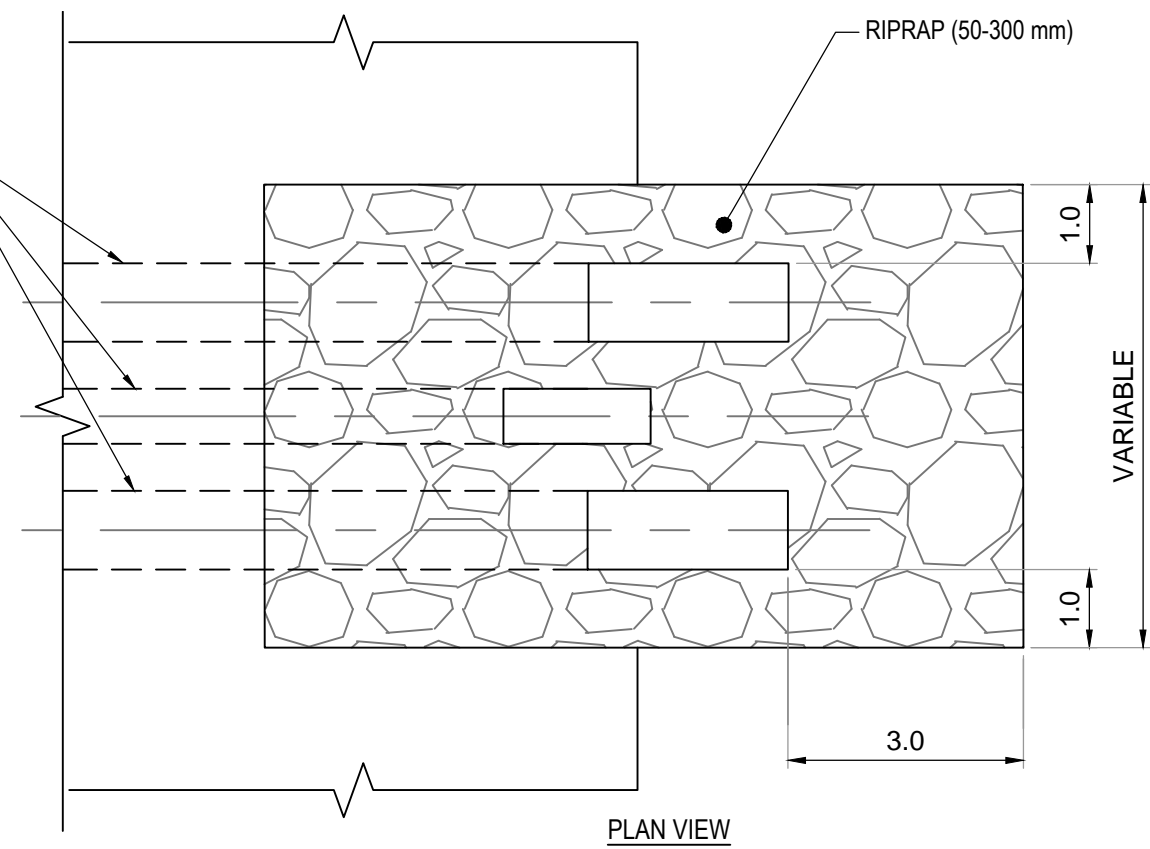
TYPICAL CROSS SECTION - CONFIGURATION #B
SCALE 1:50



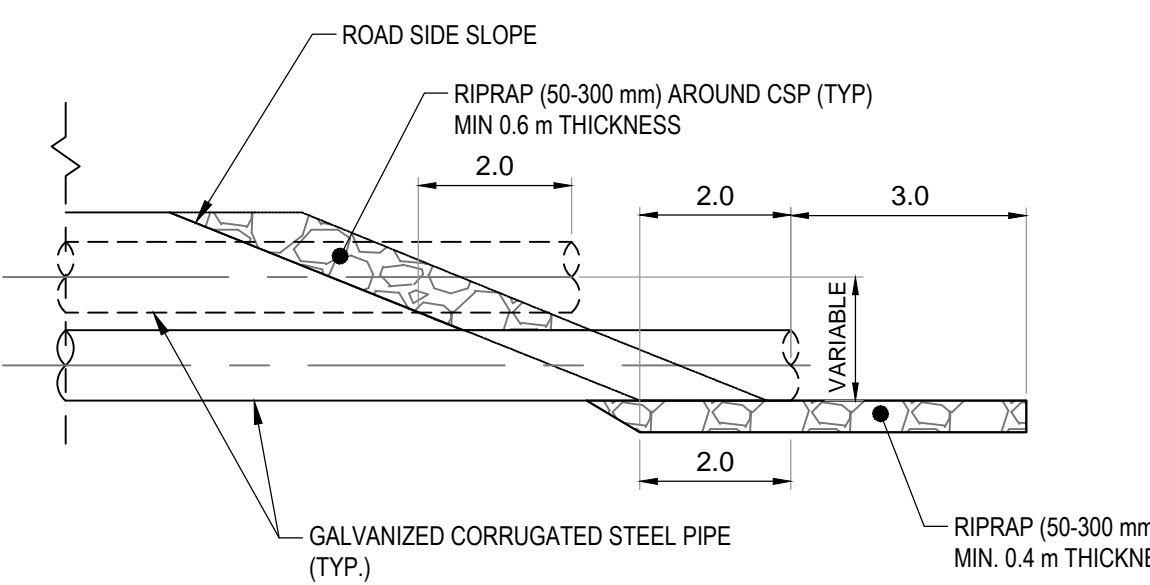
TYPICAL CROSS SECTION - CONFIGURATION #C
SCALE 1:50



TYPICAL CROSS SECTION - CONFIGURATION #D
SCALE 1:50



PLAN VIEW



CROSS SECTION

TYPICAL DETAIL - CULVERT RIPRAP FOR BOTH INLET AND OUTLET
SCALE = N.T.S

No	CONFIGURATION OF THE GROUP OF CULVERTS	CULVERT POSITION						TOTAL NUMBER OF CULVERT	APPROX. LENGTH OF EACH CULVERT (m)
		P1		P2		P3			
		(EMBEDDED)		(NON-EMBEDDED)		(NON-EMBEDDED and HIGH POSITION)			
		Nb of culverts	Ø (mm)	Nb of culverts	Ø (mm)	Nb of culverts	Ø (mm)		
C01	A	1	1000			1	1000	2	34.8
C02	A	1	700			1	700	2	42.4
C03	B	1	1000	1	1000	1	700	3	49.3
C04	A	1	1000			1	1000	2	35.9
C05	D	2	1000					2	23.1
C06	D	2	800					2	31.8
C07a	D	2	800					2	32.0
C07b	D	2	800					2	17.6
C08	D	1	1000					1	36.9
C09	A	1	1000			1	1000	2	23.4
C10	ON HOLD – Final design for C10 is not available. C10 will be a bridge or a group of culverts with a configuration type C.								
C11a	D	2	1200					2	23.0
C11b	D	2	1000					2	19.0
C11c	D	2	1000					2	22.
C12a	D	2	1200					2	23.6
C12b	D	2	1200					2	34.0
C12c	D	2	1000					2	19.0
C13	D	2	800					2	23.0
C14	D	3	800					3	19.0

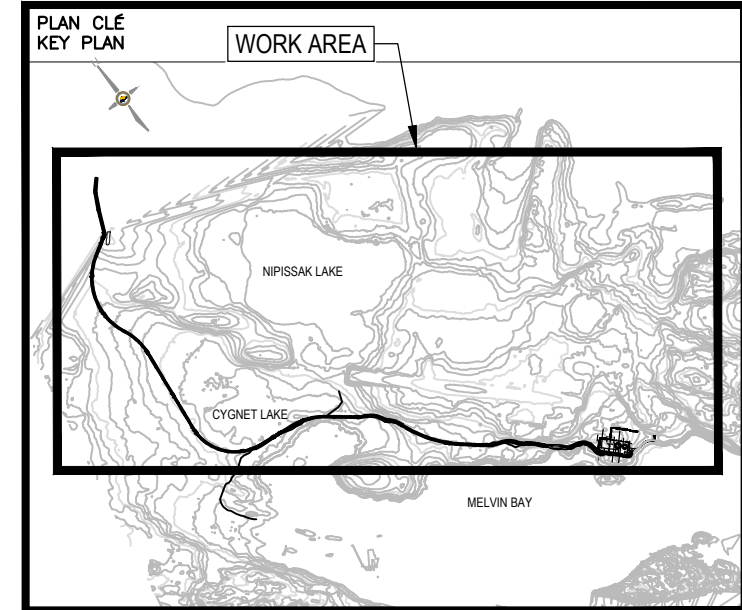
Notes:

- Culverts are provided by AEM. Culverts will be Galvanized Corrugated Pipes, with a profile of 68x13 mm.
- At any time, the minimum backfill cover indicated in the table below shall be respected.

CULVERT DIAMETER (mm)	GAUGE (mm)	PROFILE (mm)	Min COVER (mm) (required at any time)
600	2	68x13	750
700	2	68x13	800
800	2.8	68x13	825
900	2.8	68x13	825
1000	2.8	68x13	850
1200	2.8	68x13	850

- The installation of the culverts shall be conform to the Manufacturer instructions.
- The maximum allowable slope for culverts is 6%. Install RipRap to fill the gap between the pipe bottom and the existing ground if required.

TABLE: CULVERTS CHARACTERISTICS



NOTES GÉNÉRALES / GENERAL NOTES

GENERAL NOTES:

- ALL UNITS ARE IN METERS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY, SECURITY AND SLOPES OF ALL EXCAVATIONS/ BACKFILL, AND SHALL ABIDE BY ALL RELEVANT STANDARDS AND REGULATIONS. THE STABILITY, DEWATERING AND MAINTENANCE OF ALL EXCAVATIONS SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- THE LOCATION, ELEVATION AND LENGTH OF CULVERT GROUP SHALL BE CONFIRMED ON SITE.
- AN AS-BUILT DRAWING SHALL BE PROVIDED AFTER CONSTRUCTION.



L'INFORMATION CI-CONTENUE EST LA PROPRIÉTÉ DE AGNICO EAGLE LTD. ET DOIT ÊTRE RETENUE SANS RÉPONSE, SANS AUTORISATION ÉCRITE. PRÉPARÉ PAR: AGNICO EAGLE LTD. RÉVISÉ PAR: AGNICO EAGLE LTD. APPROUVÉ PAR: AGNICO EAGLE LTD. LA RÉPONSE À LA QUESTION CI-CONTENUE EST LA PROPRIÉTÉ DE AGNICO EAGLE LTD. ET DOIT ÊTRE RETENUE SANS RÉPONSE, SANS AUTORISATION ÉCRITE. PRÉPARÉ PAR: AGNICO EAGLE LTD. RÉVISÉ PAR: AGNICO EAGLE LTD. APPROUVÉ PAR: AGNICO EAGLE LTD.

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITLE / TITRE	# DWG
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3	2017-07-20	ISSUED FOR C-230-005, ECH 004	S.M.	J.A.	
2	2017-07-05	ISSUED FOR C-230-003, ECH 003	S.M.	J.A.	
1	2017-04-27	ISSUED FOR CONSTRUCTION	S.M.	J.A.	
0	2017-03-17	ISSUED FOR CONSTRUCTION	S.M.	J.A.	
B	2017-02-24	ISSUED FOR TENDER	M.Y.	J.A.	
A	2017-02-03	ISSUED FOR COMMENTS	M.Y.	J.A.	
REV.	DATE	DESCRIPTION	PAR/BY	APP.	CLIENT

REVISIONS

TITLE / TITRE
AGNICO EAGLE - MELIADINE DIVISION
117 - ROADS, FENCES, AND YARDS
230 - GENERAL EARTH WORKS
RANKIN INLET BYPASS ROAD
DETAILS / SECTIONS

DESSINÉ PAR DRAWN BY	MOURAD SENNAJ	DATE 2017-03-17
VERIFIÉ PAR CHECKED BY	SOLENE MOREAU	2017-03-17
APPROUVÉ PAR APPROVED BY	JOSÉE ALARIE	2017-03-17

ÉCHELLE SCALE	AS SHOWN	DATE 2017-02-03
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NO. DESSIN
DRAWING NO. 65-117-230-209

NO. PROJET PROJECT NO.	REVISION	FEUILLE / SHEET
6515 / 28920	3	1 / 1

TABLE 1 : HORIZONTAL ALIGNMENT DATA

TABLE 2: VERTICAL ALIGNMENT DATA

[illegible]

POUR CONSTRUCTION
FOR CONSTRUCTION

 **AGNICO EAGLE**

DATE : 2017-07-06

 CULVERT

 BYPASS ROAD



NOTES GÉNÉRALES / GENERAL NOTES

2. EXISTING GROUND DTM PROVIDED BY AEM.
3. ALL UNITS ARE IN METERS.
4. THE CONTRACTOR SHALL PROVIDE FINISHED GRADE ELEVATIONS AT THE TOP OF THE SURFACE GRAVEL LAYER.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY, SECURITY AND SLOPES OF ALL EXCAVATIONS/BACKFILL AND SHALL ABIDE BY ALL RELEVANT STANDARDS AND REGULATIONS. THE STABILITY, DRAINAGE AND MAINTENANCE OF ALL EXCAVATIONS SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
6. GRANULAR MATERIAL 0.30 mm OR 0.50 mm SHALL BE PLACED IN LIFTS NOT EXCEEDING 300 mm AND BE COMPACTED TO A MINIMUM OF 96% MAXIMUM DRY DENSITY (STANDARD PROCTOR), BORROW PIT MATERIAL, GRANULAR FILL MATERIAL 0.600 mm OR OVERBURNED MATERIAL SHALL BE PLACED IN LIFTS NOT EXCEEDING 600 mm AND BE COMPACTED TO A MINIMUM OF 96% MAXIMUM DRY DENSITY (STANDARD PROCTOR). MOISTURE CONDITIONING MAY BE REQUIRED PRIOR TO COMPACTION.
7. OVERBURNED MATERIAL CAN BE USED FOR FILL IN SPECIFIED AREAS ONLY WHEN APPROVED BY FIELD SUPERVISOR.
8. AN AS-BUILT DRAWING SHALL BE PROVIDED AFTER CONSTRUCTION.
9. THE LOCATION, ELEVATION AND LENGTH OF CURVE SHALL BE COMPLETED PRIOR TO CONSTRUCTION.
10. NO EQUIPMENT CAN BE STORED AND NO DEPOSITION OF EXCAVATED AND STOCKPILED MATERIALS CAN BE DONE WITHIN THE LICENCE "A" - LIMIT OF WORK (31M) LINE.
11. FOR SUMMER CONSTRUCTION, GEOTECHNICAL SHALL BE CONSULTED TO DETERMINE THE STABILITY OF THE GRANULAR MATERIAL WHEREVER THE ORIGINAL GROUND IS UNSTABLE TO SUPPORT FILL MATERIAL COMPACTION.

FOR CONTINUITY, SEE DRAWING 65-117-230-207

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DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS



AGNICO EAGLE

REVISIONS


PERMIT TO PRACTICE
TETRA TECH INDUSTRIES, INC.
O/A TETRA TECH

Signature: 

to: 2017-07-07

PERMIT NUMBER: P 1029

NTNU Association of Professional
Engineers and Geoscientists

REGISTERED PROFESSIONAL ENGINEER
J.M.F. ALARIE
LICENSEE

2017-07-06

TITLE / TITLE

AGNICO EAGLE — MELIADINE DIVISION

117 — ROADS, FENCES, AND YARDS

230 — GENERAL EARTH WORKS

RANKIN INLET BYPASS ROAD

PLAN / PROFILE

5+900 TO 6+312

ÉCHELLE SCALE H=1:1500 V=1:150	DATE 2017-02-03
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65-117-230-212

NO. PROJ PROJECT NO.	REVISION	FEUILLE / SHEET
	0	1 / 1