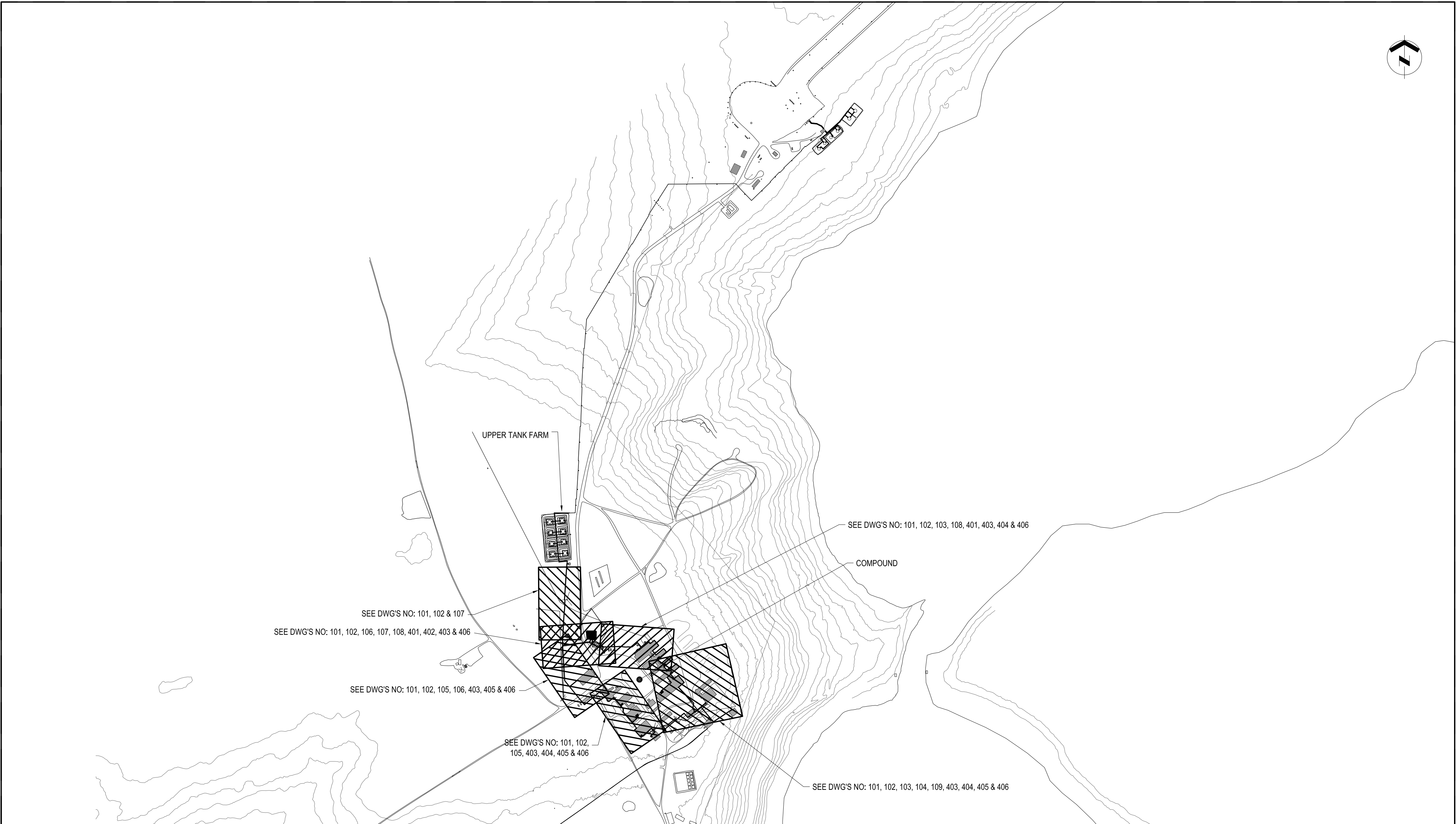




National
Defence

Défense
nationale



REPLACE FUEL PIPING SYSTEM

POL COMPOUND IN ALERT

CFS ALERT

Canada

Date: 2011/11/15

DRAWING SET NO.

LIST OF DRAWINGS

CIVIL / SITING - 100 SERIES

- 101 - DEMOLITIONS AND REMOVALS PARTIAL SITE PLAN
- 102 - PROPOSED NEW PIPING ROUTE PARTIAL SITE PLAN
- 103 - PROPOSED PLAN AND PROFILE COMPOUND AREA STA 0+000 TO 0+400
- 104 - PROPOSED PLAN AND PROFILE COMPOUND AREA STA 0+400 TO 0+750
- 105 - PROPOSED PLAN AND PROFILE COMPOUND AREA STA 0+750 TO 1+040
- 106 - PROPOSED PLAN AND PROFILE COMPOUND AREA STA 1+040 TO 1+246.547
- 107 - PROPOSED PLAN AND PROFILE UPPER TANK FARM PUMP HOUSE TO DAY TANK STA 0+000 TO 0+210
- 108 - PROPOSED PLAN AND PROFILE UPPER TANK FARM PUMP HOUSE TO DAY TANK STA 0+210 TO 0+322.616
- 109 - PROPOSED PLAN AND PROFILE VARIOUS PIPE CONNECTIONS

STRUCTURAL - 200 SERIES

- 201 - TYPICAL PIPE SUPPORT DETAILS
- 202 - PIPE SUPPORT, BERM & MISC DETAILS
- 203 - PIPE BRIDGE & MISC DETAILS

MECHANICAL - 400 SERIES

- 401 - SCHEMATIC DESIGN NEW DAY TANK
- 402 - PROPOSED NEW DAY TANK ENLARGED PLAN & SECTION
- 403 - MECHANICAL RENOVATIONS COMPOUND PUMP HOUSE (B015) AND KEY PLAN LAYOUT
- 404 - COMPOUND OIL FUEL ROOMS MECHANICAL RETROFIT PLANS
- 405 - FUEL OIL TANK MECHANICAL RENOVATIONS MAINTENANCE (B016 &B017) & VEHICLE COLD STORAGE BUILDING (B010) & WAREHOUSE (B168)
- 406 - MECHANICAL DETAILS

ELECTRICAL - 500 SERIES

- 501 - ELECTRICAL DETAILS

DCC NO.

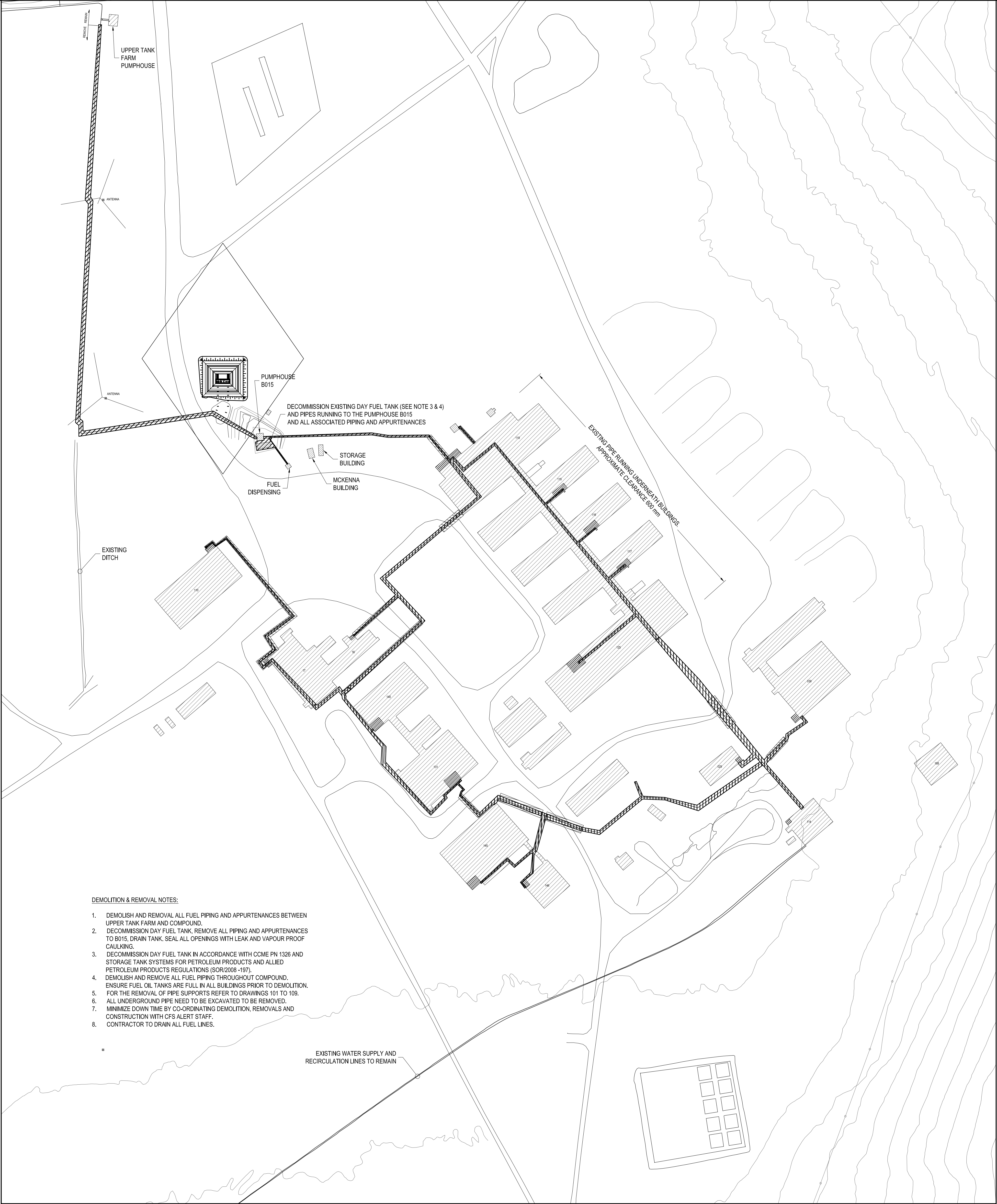
TR7-68352

PROJECT NO.

68352

JOB NO. / TRADE DESCRIPTION

L-A28-9312 / 3

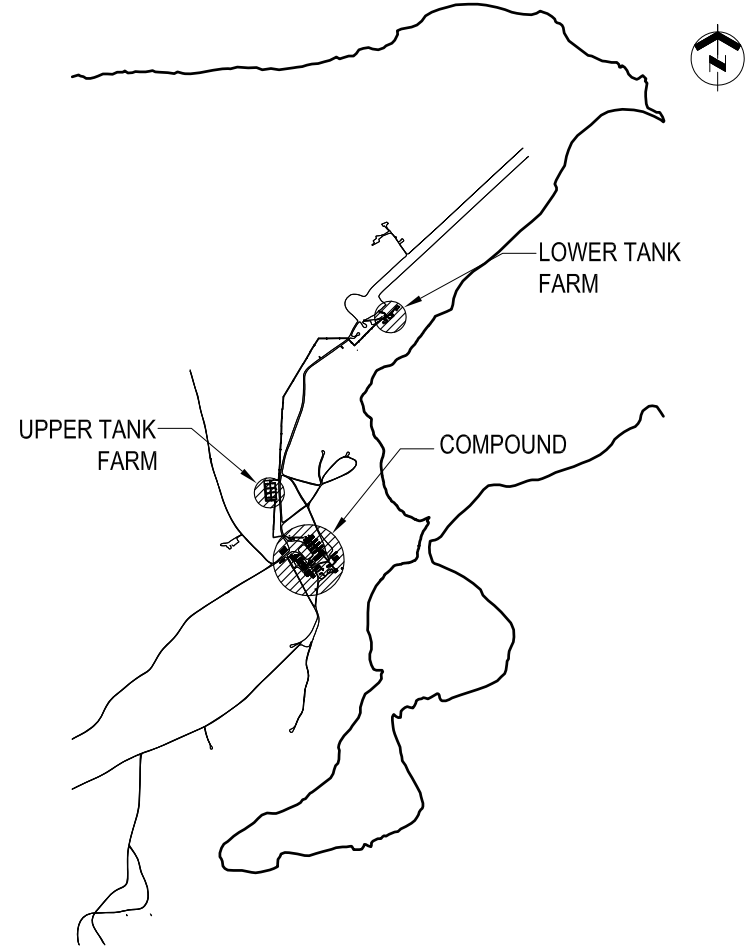


DEMOLITION & REMOVAL NOTES:

1. DEMOLISH AND REMOVAL ALL FUEL PIPING AND APPURTENANCES BETWEEN UPPER TANK FARM AND COMPOUND.
2. DECOMMISSION DAY FUEL TANK, REMOVE ALL PIPING AND APPURTENANCES TO B015, DRAIN TANK, SEAL ALL OPENINGS WITH LEAK AND VAPOUR PROOF CAULKING.
3. DECOMMISSION DAY FUEL TANK IN ACCORDANCE WITH CCME PN 1326 AND STORAGE TANK SYSTEMS FOR PETROLEUM PRODUCTS AND ALLIED PETROLEUM PRODUCTS REGULATIONS (SOR/2008-197).
4. DEMOLISH AND REMOVE ALL FUEL PIPING THROUGHOUT COMPOUND. ENSURE FUEL OIL TANKS ARE FULL IN ALL BUILDINGS PRIOR TO DEMOLITION.
5. FOR THE REMOVAL OF PIPE SUPPORTS REFER TO DRAWINGS 101 TO 109.
6. ALL UNDERGROUND PIPE NEED TO BE EXCAVATED TO BE REMOVED.
7. MINIMIZE DOWN TIME BY CO-ORDINATING DEMOLITION, REMOVALS AND CONSTRUCTION WITH CFS ALERT STAFF.
8. CONTRACTOR TO DRAIN ALL FUEL LINES.

COMPOUND
SCALE:1:1000

WING CONSTRUCTION ENGINEERING SQUADRON
8 WING, TRENTON, ONTARIO

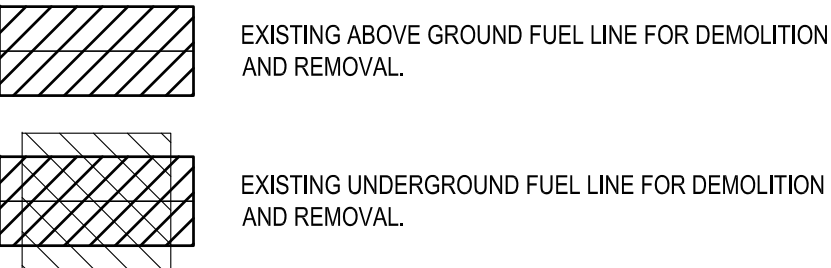


KEY PLAN N.T.S.

GENERAL NOTES

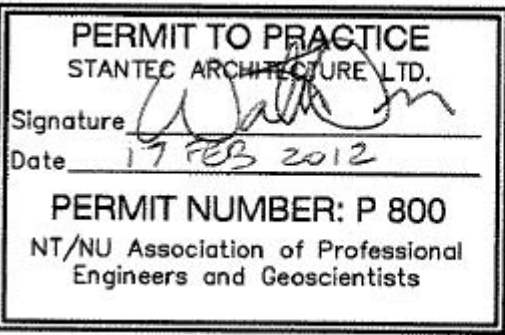
1. PIPE SIZES SHOWN IN NPS (INCHES).
2. DIMENSIONS SHOWN IN MILLIMETERS UNLESS OTHERWISE NOTED.
3. FIELD VERIFY ALL MEASUREMENTS.
4. COORDINATE DEMOLITION WITH CFS ALERT STAFF. PROVIDE AT LEAST 24 HOURS NOTICE PRIOR TO REMOVAL OF FUEL LINES.

LEGEND



DO NOT SCALE DRAWINGS

01	17/02/2012	ISSUED FOR CONSTRUCTION	WO
NO.	DATE	REVISION	APPR.



SCALE-ÉCHELLE AS NOTED

PROJECT-PROJET
PF#: 68352

UPGRADE MAIN POL COMPOUND

CFS ALERT, NUNAVUT

TRADE-MÉTIER CIVIL	DATE 2011-11-15
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DEMOLITIONS AND REMOVALS
PARTIAL SITE PLAN

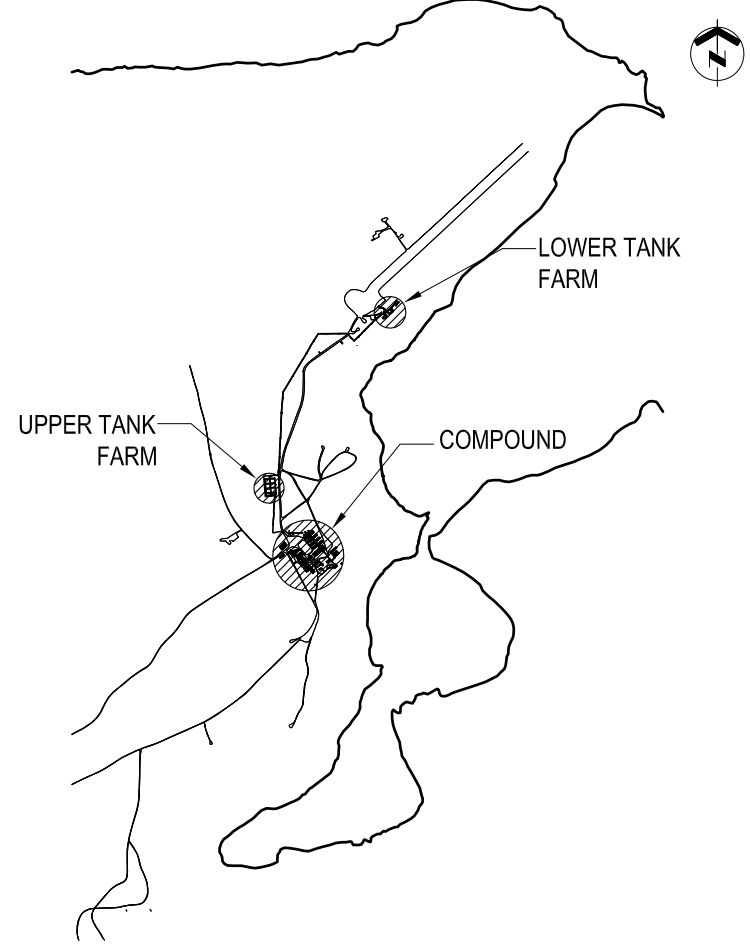
PRODUCTION	CONCURRENCE-ASSENTIMENT USERS GROUP	
DESIGNED ÉTUDE		
DRAWN DESSINE		P.J.P. O'LEARY PROJ. MGR.
CHECKED VÉRIFIÉ		FIRE CHIEF CAPT.P.MUSCAT-DRAGO
COORDINATION	APPROVED - APPROUVÉ S.CHINNATAMBY, ENG O	

DWG.NO.-DESSIN NO.
L - A28 -9312/3 - 101



COMPOUND
SCALE: 1:1000

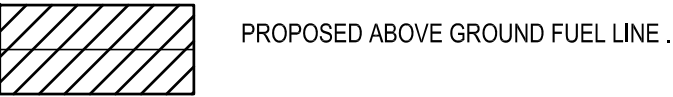
WING CONSTRUCTION ENGINEERING SQUADRON
8 WING, TRENTON, ONTARIO



KEY PLAN N.T.S.

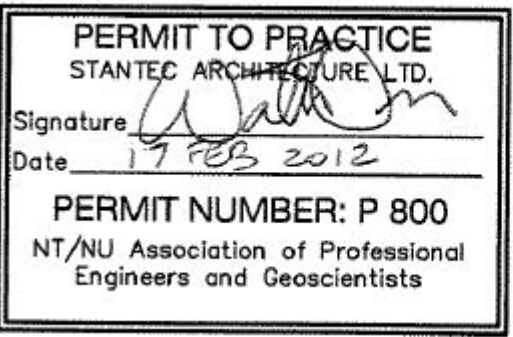
- GENERAL NOTES**
1. PIPE SIZES SHOWN IN NPS (INCHES).
 2. DIMENSIONS SHOWN IN MILLIMETERS UNLESS OTHERWISE NOTED.
 3. FIELD VERIFY ALL MEASUREMENTS.
 4. SEE DWG 403 FOR KEY PLAN LAYOUT.
 5. NO EQUIPMENT, SUPPORTS/STANDS/BRACKETS, VALVES, CONNECTIONS ETC. ARE SHOWN. SEE DWG'S 103 TO 109 FOR PROPOSED PLAN AND PROFILE.
 6. COORDINATE CONSTRUCTION WITH CFS ALERT STAFF.
 5. REFER TO DRAWING 501 FOR STATIC ELECTRICITY GROUNDING CONNECTION DETAILS. PROVIDE AND WELD ALL GROUND LUG PLATES TO PIPING ETC. AT ALL LOCATIONS AS REQUIRED.

LEGEND



DO NOT SCALE DRAWINGS

01	17/02/2012	ISSUED FOR CONSTRUCTION	WO
NO.	DATE	REVISION	APPR.



SCALE-ÉCHELLE AS NOTED

PROJECT-PROJET
PF#: 68352

UPGRADE MAIN POL COMPOUND

CFS ALERT, NUNAVUT

TRADE-MÉTIER CIVIL	DATE 2011-11-15
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PROPOSED NEW PIPING ROUTE
PARTIAL SITE PLAN

PRODUCTION	CONCURRENCE-ASSENTIMENT	
DESIGNED ÉTUDE	USERS GROUP	
DRAWN DESSINE		P.J.P. O'LEARY PROJ. MGR.
CHECKED VÉRIFIÉ		FIRE CHIEF CAPT.P.MUSCAT-DRAGO
COORDINATION	APPROVED - APPROUVÉ S.CHINNATAMBY, ENG O	

DWG.NO.-DESSIN NO.
L - A28 -9312/3 - 102



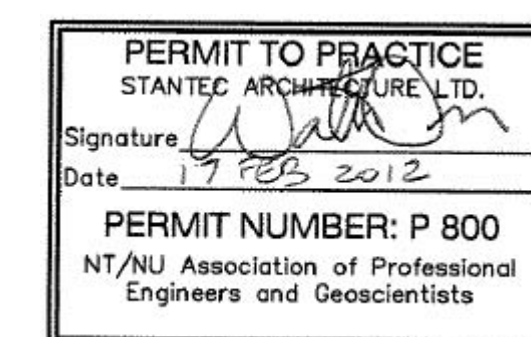
1. PIPE SIZES SHOWN IN NPS (INCHES).
2. DIMENSIONS SHOWN IN MILLIMETERS UNLESS OTHERWISE NOTED.
3. FIELD VERIFY ALL MEASUREMENTS.
4. ALL FUEL PIPING, FITTINGS AND ALL OTHER APPURTENANCES TO BE NEW.
5. REFER TO DRAWING 501 FOR STATIC ELECTRICITY GROUNDING CONNECTION DETAILS. PROVIDE AND WELD ALL GROUND LUG PLATES TO PIPING ETC. AT ALL LOCATIONS AS REQUIRED.

ELEV.:	ELEVATION
BOP:	BOTTOM OF PIPE
	FLEXIBLE CONNECTION
	DIRECTION OF FLOW
	① TYPE 1 PIPE SUPPORT - SEE
	② TYPE 2 PIPE SUPPORT - SEE
	③ TYPE 3 PIPE SUPPORT - SEE
	⑤ TYPE 5 NEW PIPING INSTALL - SEE
	⑥ TYPE 6 PIPE SUPPORT - SEE
	⑨ TYPE 9 NEW WALL BRACKET - SEE

DO NOT SCALE DRAWINGS

DO NOT SCALE DRAWINGS

01	17/02/2012	ISSUED FOR CONSTRUCTION	W
NO.	DATE	REVISION	APPR



SCALE-ÉCHELLE	AS NOTED
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PROJECT-PROJET	PF#: 68352
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UPGRADE MAIN POL COMPOUND

CFS ALERT, NUNAVUT

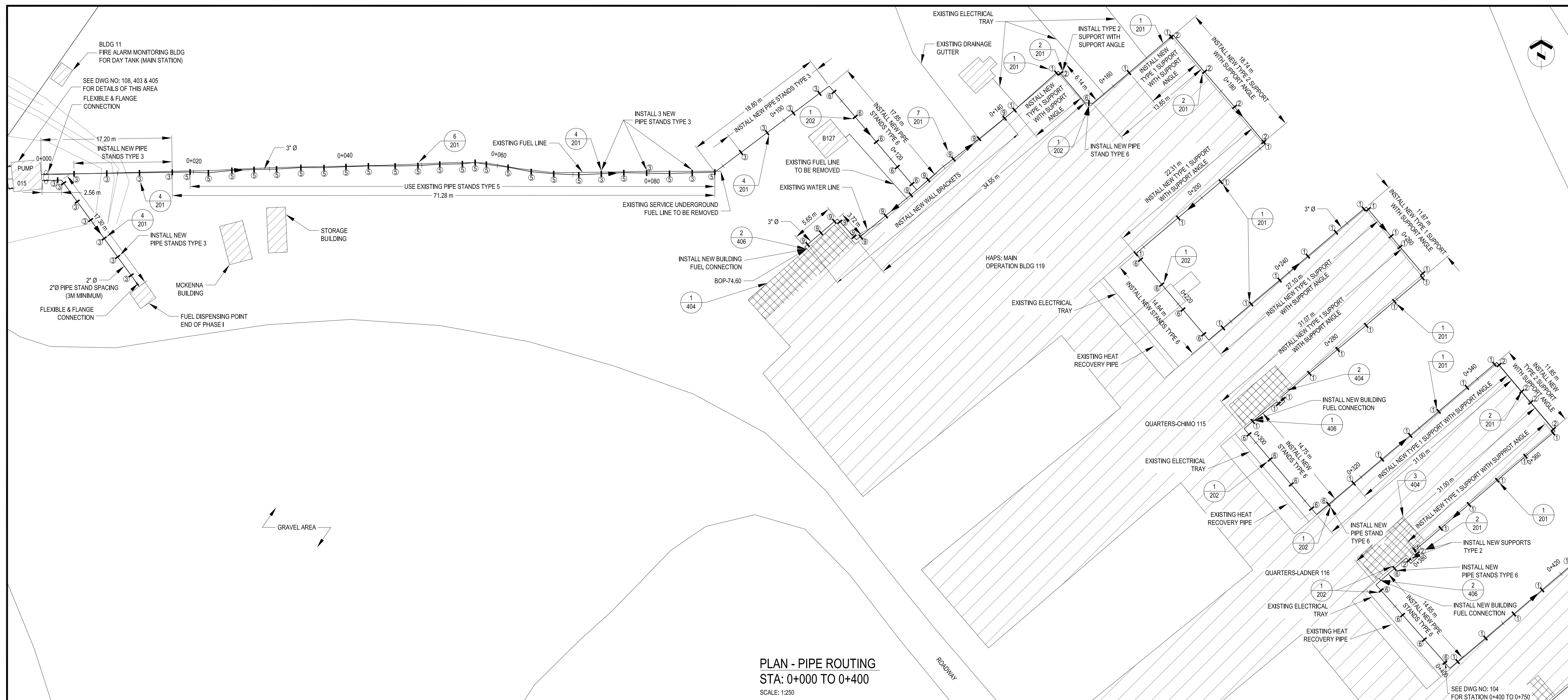
TRADE-MÉTIER	CIVIL	DATE	2011-11-15
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PROPOSED PLAN AND PROFILE
COMPOUND AREA
STA 0+000 TO 0+400

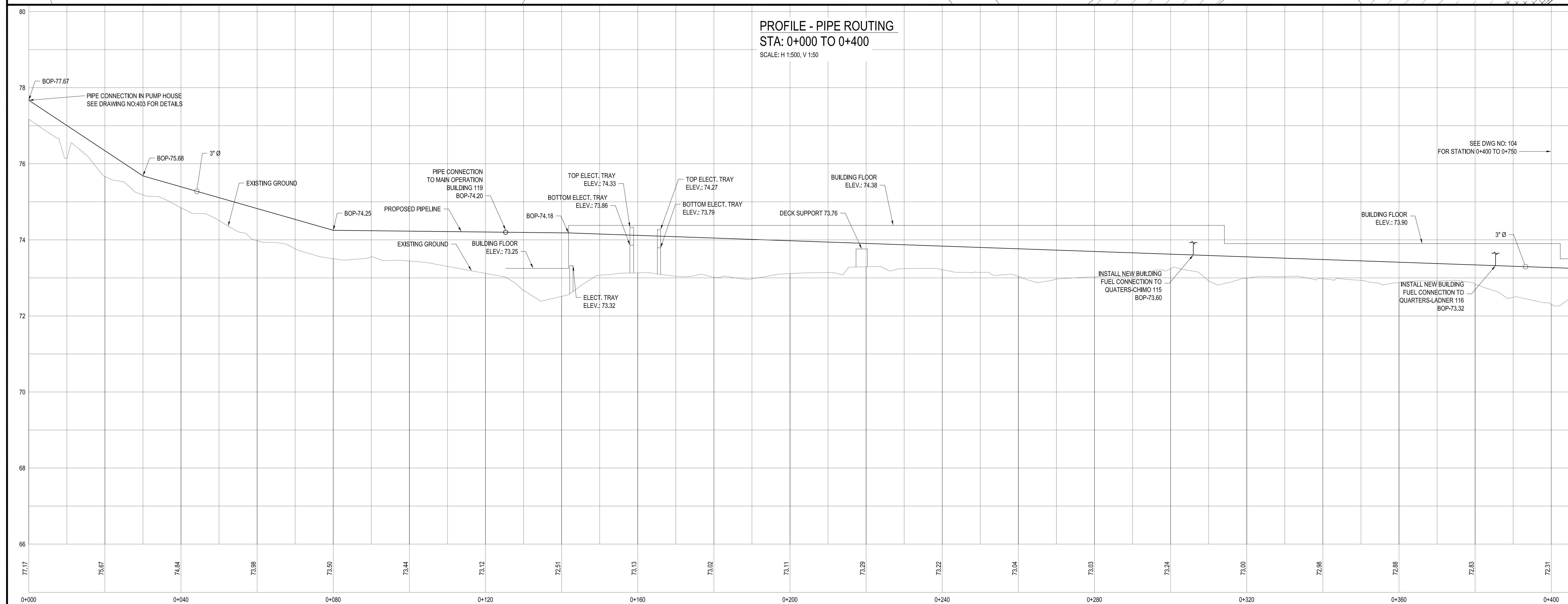
PRODUCTION		CONCURRENCE-ASSESSMENT	
	DESIGNED ETUDE	USERS GROUP	
	DRAWN DESSINE		P.J.P. O'LEARY PROJ. MGR.
	CHECKED VERIFIE		FREY CHIEF CAPT.P.MUSCAT-DRAGON
COORDINATION		APPROVED - APPROUVE S.CHINNATAMBY, ENG O	

DWG.NO.-DESSIN NO. **L - A28 -9312/3 - 103**

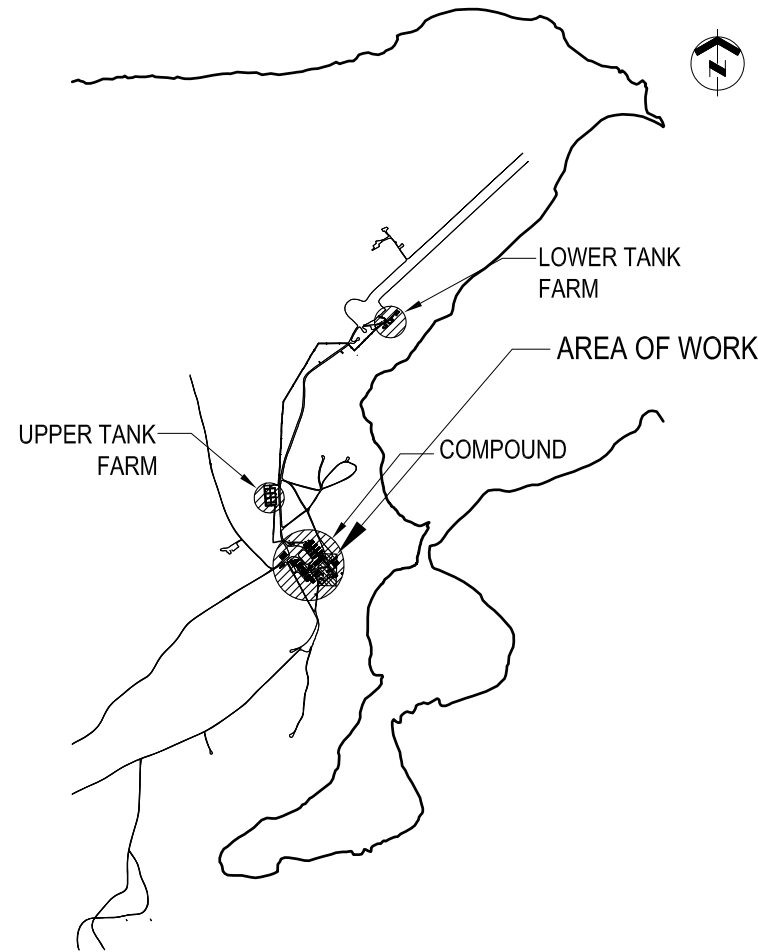
Canada



PLAN - PIPE ROUTING
STA: 0+000 TO 0+400
SCALE: 1:250



PROFILE - PIPE ROUTING
STA: 0+000 TO 0+400
SCALE: H 1:500, V 1:50



KEY PLAN N.T.S.

GENERAL NOTES

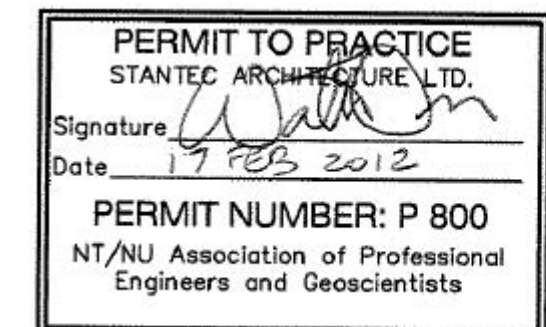
1. PIPE SIZES SHOWN IN NPS (INCHES).
2. DIMENSIONS SHOWN IN MILLIMETERS UNLESS OTHERWISE NOTED.
3. FIELD VERIFY ALL MEASUREMENTS.
4. ALL FUEL PIPING, FITTINGS AND ALL OTHER APPURTENANCES TO BE NEW.
5. REFER TO DRAWING 301 FOR STATIC ELECTRICITY GROUNDING CONNECTION DETAILS. PROVIDE AND WELD ALL GROUND LUG PLATES TO PIPING ETC. AT ALL LOCATIONS AS REQUIRED.

LEGEND

- ELEV.: ELEVATION
BOP: BOTTOM OF PIPE
DIRECTION OF FLOW
TYPE 1 PIPE SUPPORT - SEE
TYPE 2 PIPE SUPPORT - SEE
TYPE 3 PIPE SUPPORT - SEE
TYPE 6 PIPE SUPPORT - SEE

DO NOT SCALE DRAWINGS

01	17/02/2012	ISSUED FOR CONSTRUCTION	WO
NO.	DATE	REVISION	APPR.



SCALE-ÉCHELLE AS NOTED

PROJECT-PROJET PF#: 68352

UPGRADE MAIN POL COMPOUND

CFS ALERT, NUNAVUT

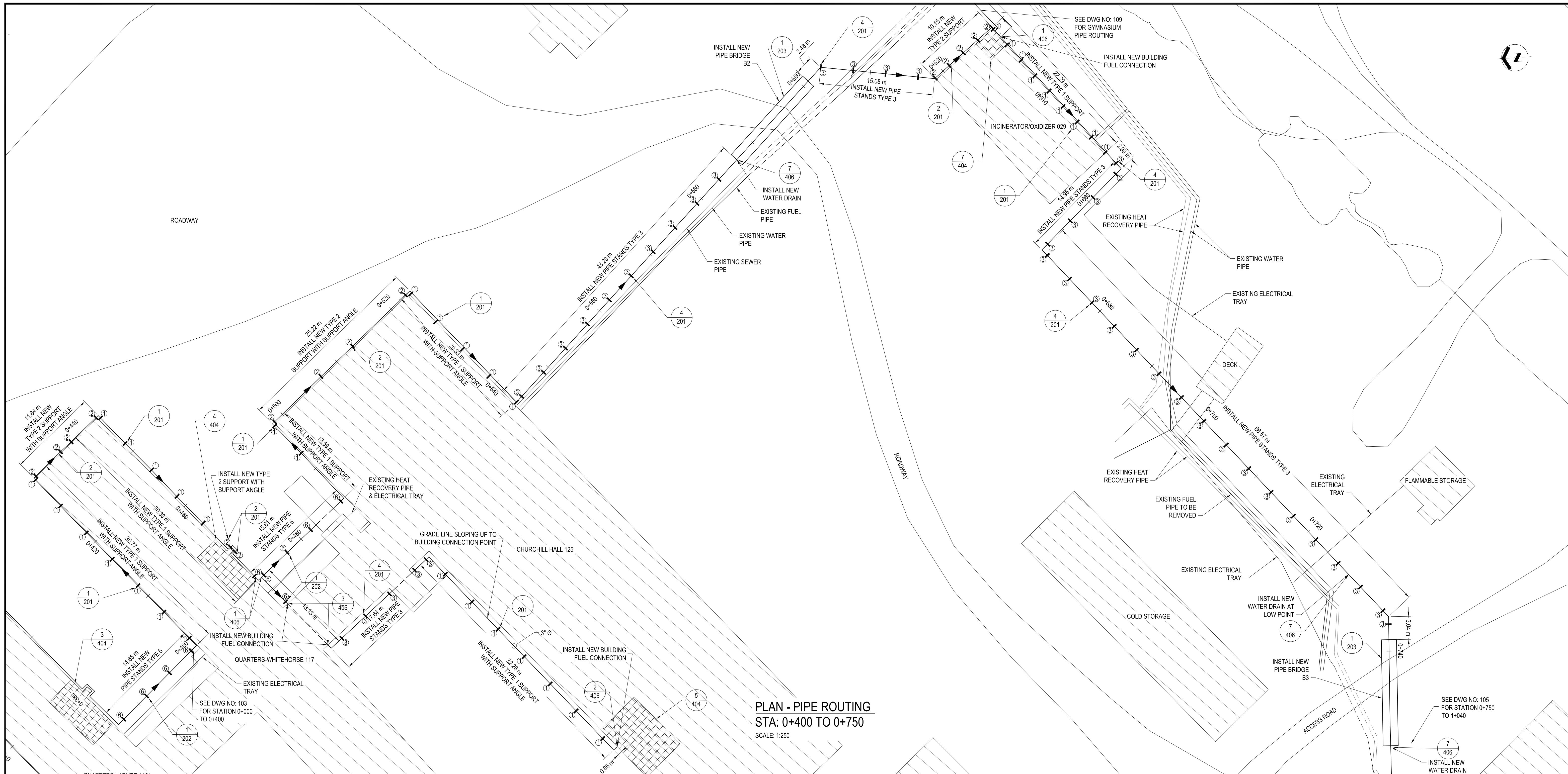
TRADE-MÉTIER CIVIL DATE 2011-11-15

PROPOSED PLAN AND PROFILE
COMPOUND AREA
STA 0+400 TO 0+750

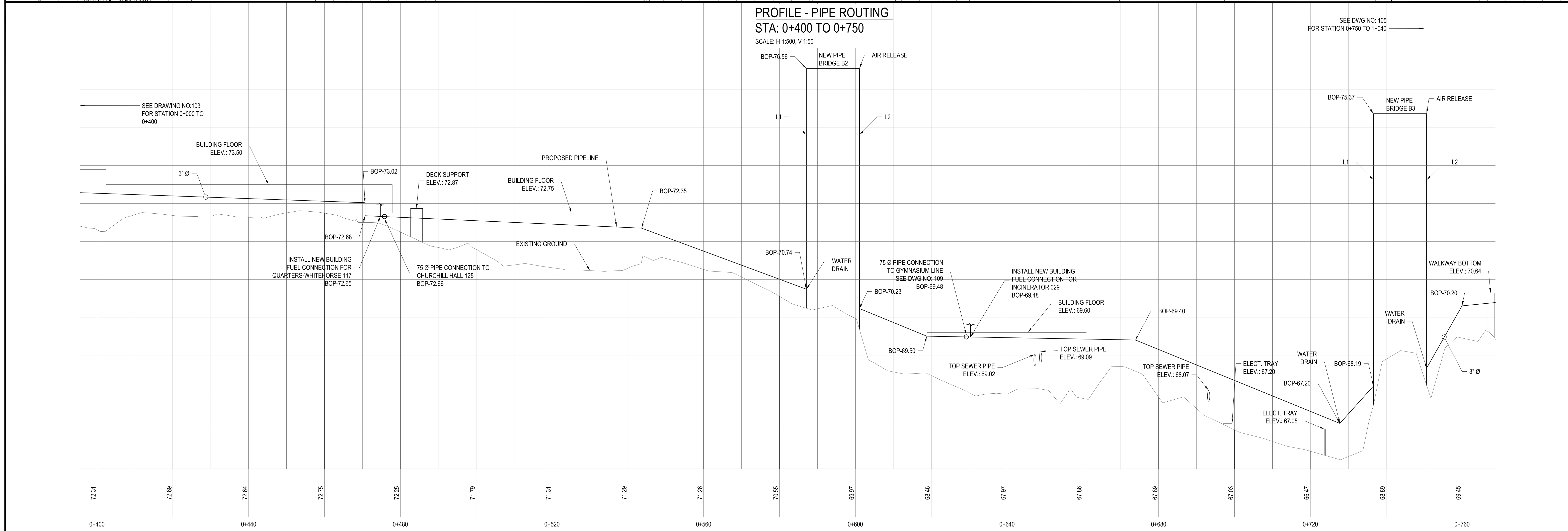
PRODUCTION	CONCURRENCE-ASSENTMENT	
DESIGNED ÉTUDE	USERS GROUP	
DRAWN DESSINE		P.J.P. O'LEARY PROJ. MGR.
CHECKED VÉRIFIÉ		FIRE CHIEF CAPT.P.MUSCAT-DRAGO
COORDINATION	APPROVED - APPROUVÉ S.CHINNATAMBY, ENG O	

DWG.NO.-DESSIN NO. L - A28 -9312/3 - 104

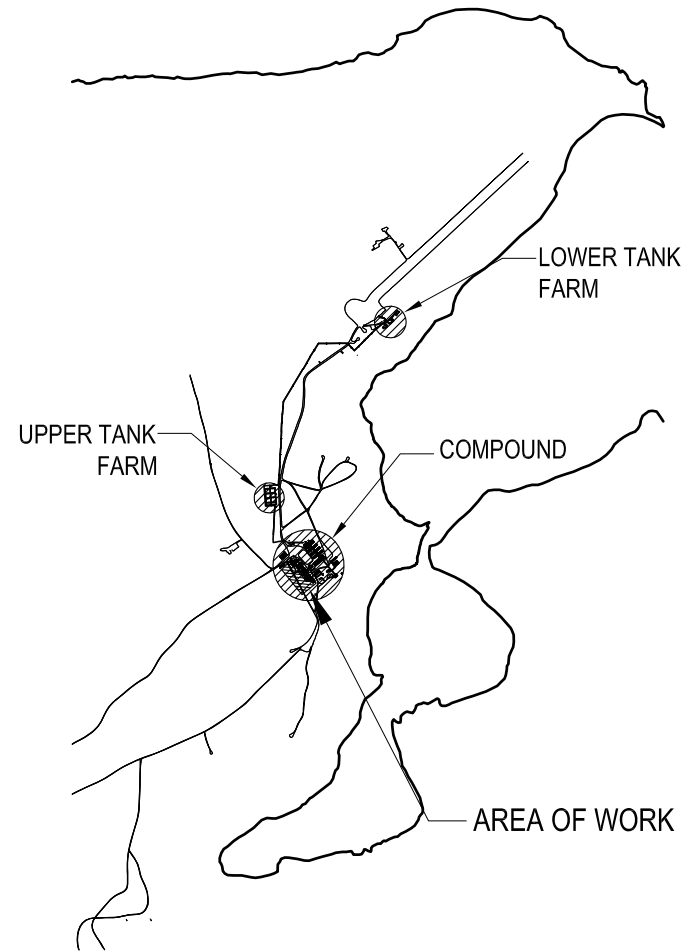
Canada



PLAN - PIPE ROUTING
STA: 0+400 TO 0+750
SCALE: 1:250



PROFILE - PIPE ROUTING
STA: 0+400 TO 0+750
SCALE: H 1:500, V 1:50



KEY PLAN N.T.S.

GENERAL NOTES

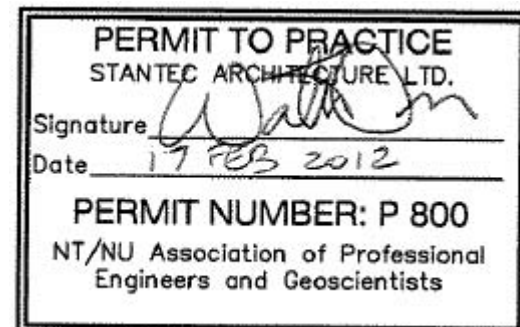
- PIPE SIZES SHOWN IN NPS (INCHES).
- DIMENSIONS SHOWN IN MILLIMETERS UNLESS OTHERWISE NOTED.
- FIELD VERIFY ALL MEASUREMENTS.
- ALL FUEL PIPING, FITTINGS AND ALL OTHER APPURTENANCES TO BE NEW.
- REFER TO DRAWING 301 FOR STATIC ELECTRICITY GROUNDING CONNECTION DETAILS. PROVIDE AND WELD ALL GROUND LUG PLATES TO PIPING ETC. AT ALL LOCATIONS AS REQUIRED.

LEGEND

- ELEV.: ELEVATION
BOP: BOTTOM OF PIPE
DIRECTION OF FLOW
- TYPE 3 PIPE SUPPORT - SEE 1201
 - TYPE 4 PIPE SUPPORT BRACKET - SEE 1202
 - TYPE 5 NEW PIPING INSTALL - SEE 1203
 - TYPE 9 NEW WALL BRACKET - SEE 1204

DO NOT SCALE DRAWINGS

01	17/02/2012	ISSUED FOR CONSTRUCTION	WO
NO.	DATE	REVISION	APPR.



SCALE-ÉCHELLE AS NOTED

PROJECT-PROJET PF# 68352

UPGRADE MAIN POL COMPOUND

CFS ALERT, NUNAVUT

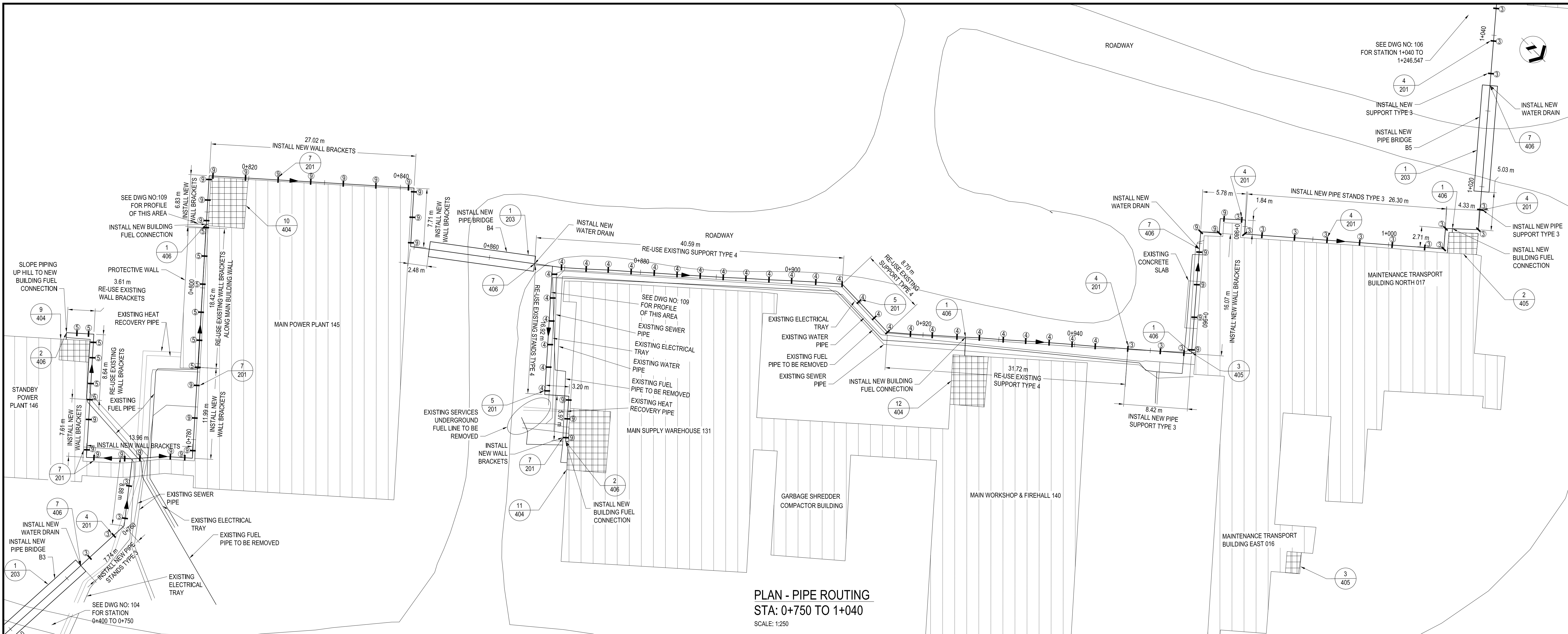
TRADE-MÉTIER CIVIL DATE 2011-11-15

PROPOSED PLAN AND PROFILE
COMPOUND AREA
STA 0+750 TO 1+040

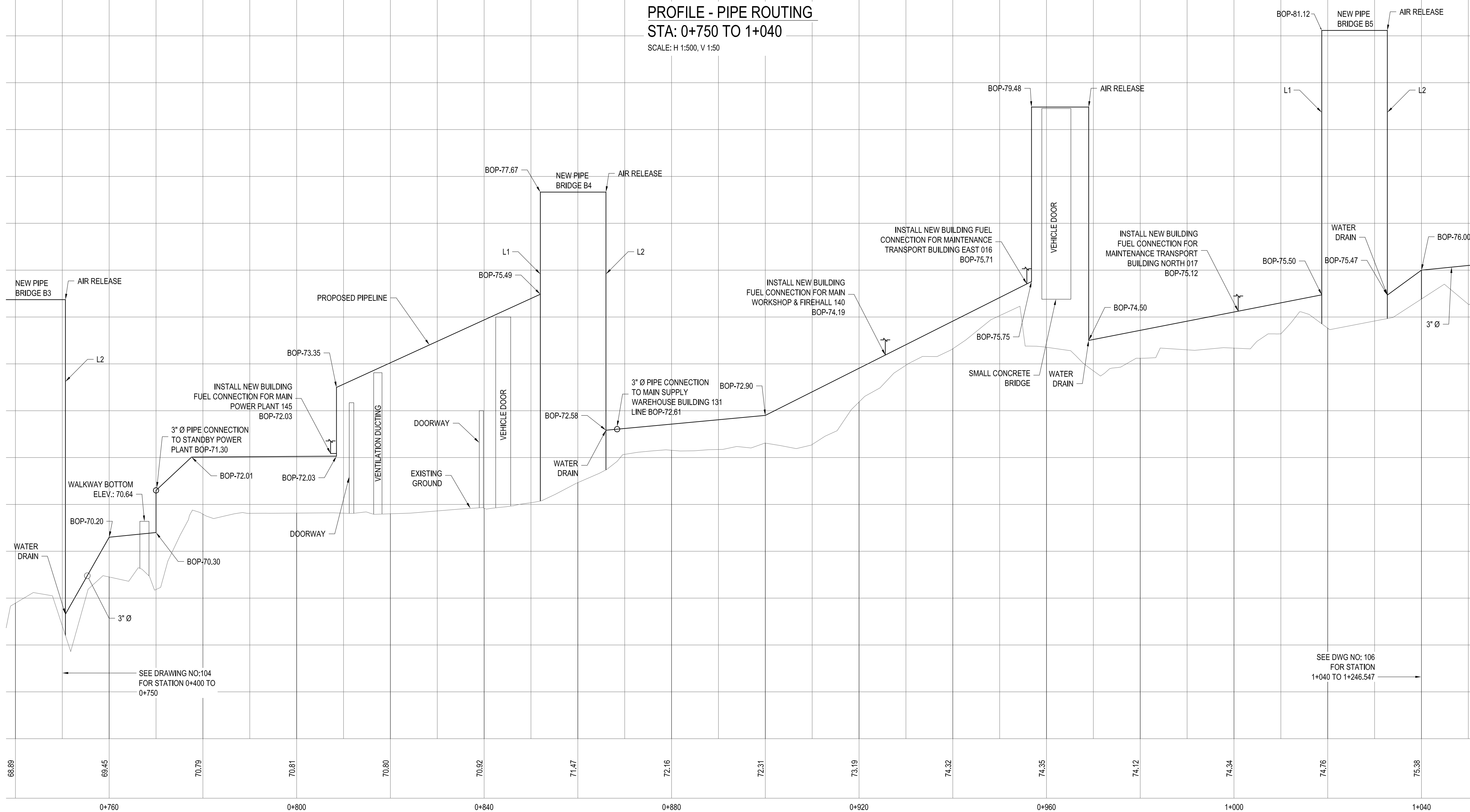
PRODUCTION	CONCURRENCE-ASSENTMENT
DESIGNED ÉTUDE	USERS GROUP
DRAWN DESSINE	P.J.P. O'LEARY PROJ. MGR.
CHECKED VÉRIFIÉ	FIRE CHIEF CAPT.P.MUSCAT-DRAGO
COORDINATION	APPROVED - APPROUVÉ S.CHINNATAMBY, ENG O

DWG.NO.-DESSIN NO. L - A28 -9312/3 - 105

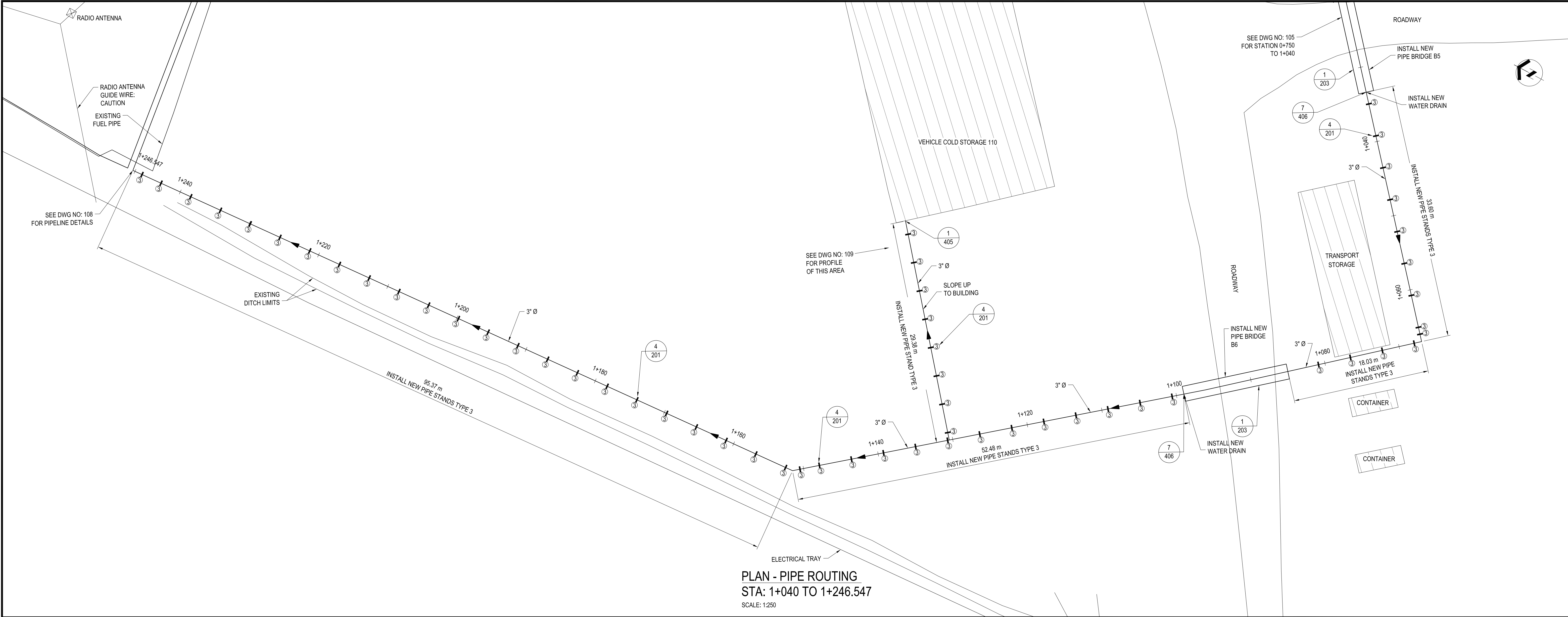
Canada



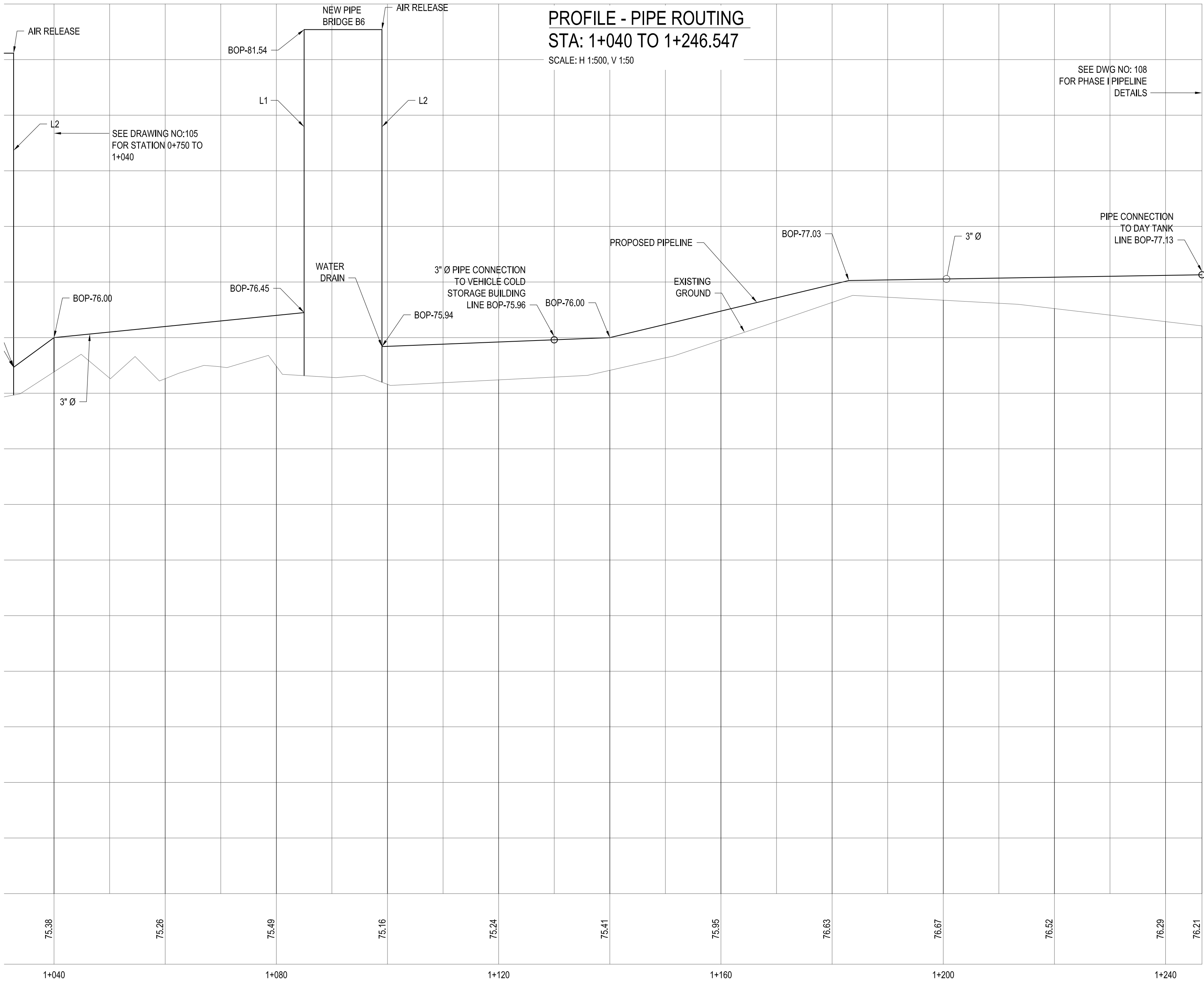
PLAN - PIPE ROUTING
STA: 0+750 TO 1+040
SCALE: 1:250



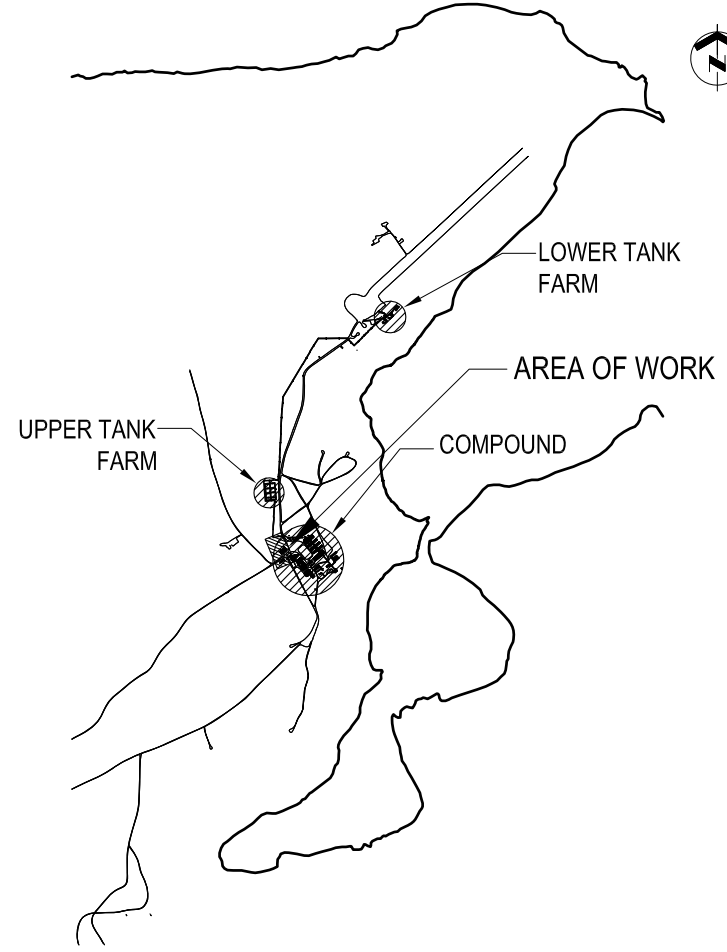
PROFILE - PIPE ROUTING
STA: 0+750 TO 1+040
SCALE: H 1:500, V 1:50



PLAN - PIPE ROUTING
STA: 1+040 TO 1+246.547
SCALE: 1:250



PROFILE - PIPE ROUTING
STA: 1+040 TO 1+246.547
SCALE: H 1:500, V 1:50



KEY PLAN N.T.S.

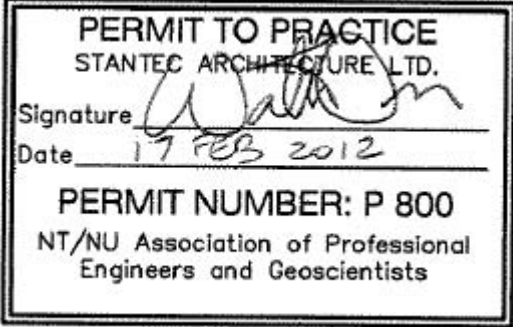
- GENERAL NOTES
- PIPE SIZES SHOWN IN NPS (INCHES).
 - DIMENSIONS SHOWN IN MILLIMETERS UNLESS OTHERWISE NOTED.
 - FIELD VERIFY ALL MEASUREMENTS.
 - ALL FUEL PIPING, FITTINGS AND ALL OTHER APPURTENANCES TO BE NEW.
 - REFER TO DRAWING 301 FOR STATIC ELECTRICITY GROUNDING CONNECTION DETAILS. PROVIDE AND WELD ALL GROUND LUG PLATES TO PIPING ETC. AT ALL LOCATIONS AS REQUIRED.

LEGEND

- ELEV.: ELEVATION
BOP: BOTTOM OF PIPE
DIRECTION OF FLOW
TYPE 3 PIPE SUPPORT - SEE 4/201

DO NOT SCALE DRAWINGS

01	17/02/2012	ISSUED FOR CONSTRUCTION	WO
NO.	DATE	REVISION	APPR.



SCALE-ÉCHELLE AS NOTED

PROJECT-PROJET PF#: 68352

UPGRADE MAIN POL COMPOUND

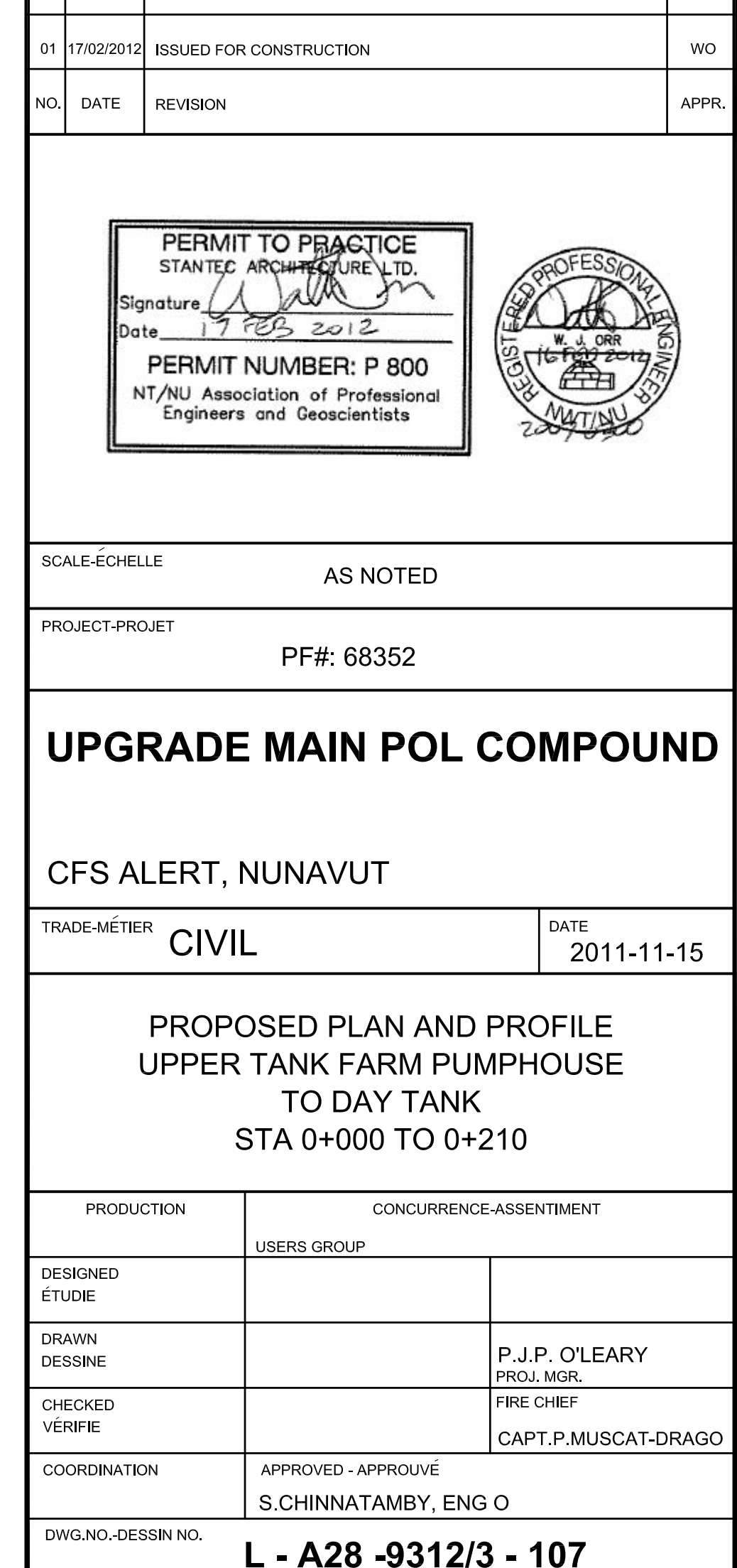
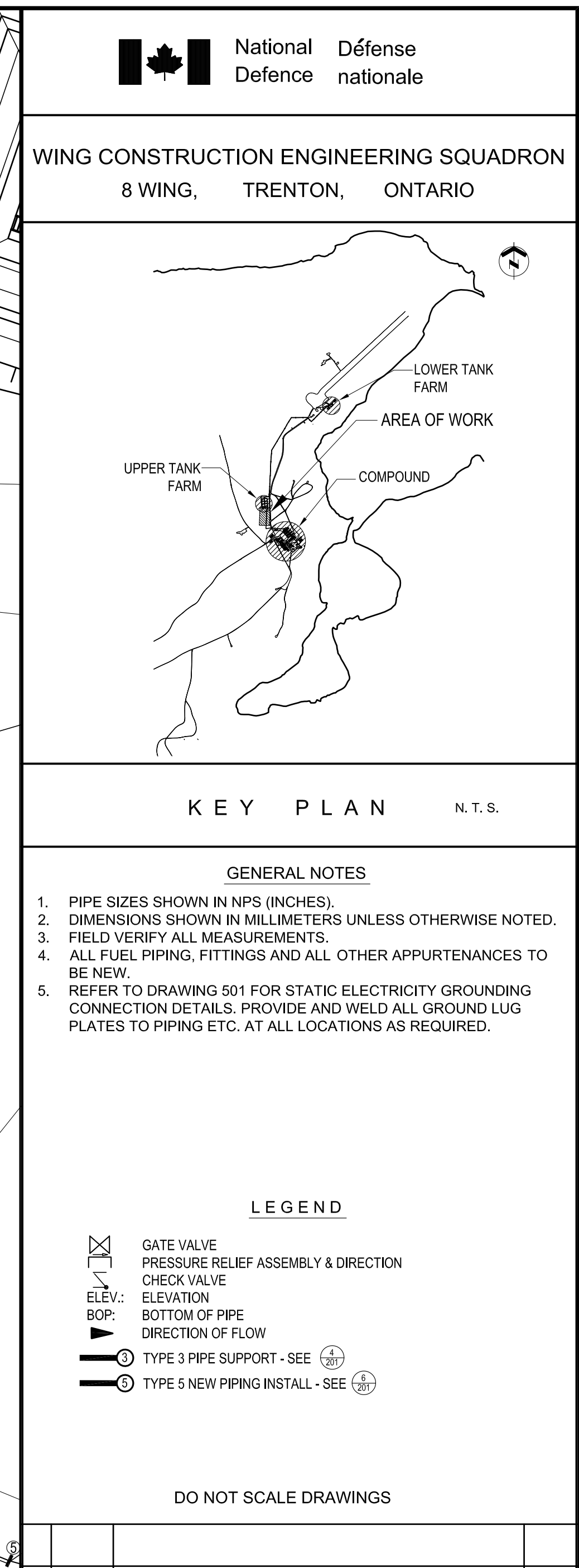
CFS ALERT, NUNAVUT

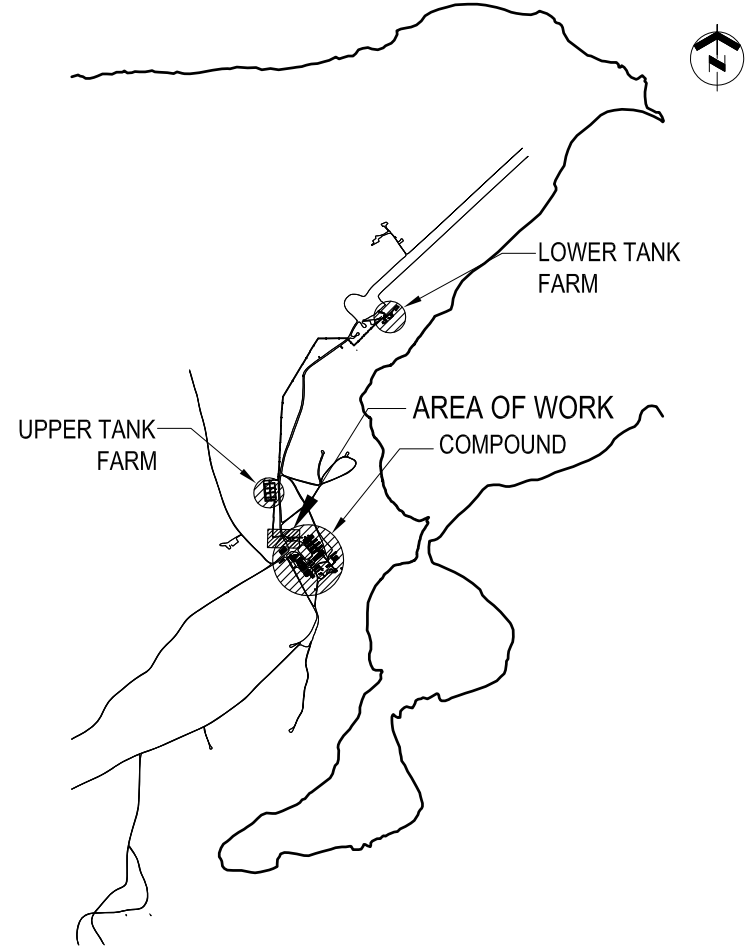
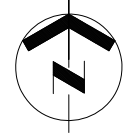
TRADE-MÉTIER	CIVIL	DATE	2011-11-15
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PROPOSED PLAN AND PROFILE
COMPOUND AREA
STA 1+040 TO 1+246.547

PRODUCTION	CONCURRENCE-ASSENTIMENT	
DESIGNED ÉTUDE	USERS GROUP	
DRAWN DESSINE		P. J. P. O'LEARY PROJ. MGR.
CHECKED VÉRIFIÉ		FIRE CHIEF CAPT. P. MUSCAT-DRAGO
COORDINATION	APPROVED - APPROUVÉ S. CHINNATAMBY, ENG O	

DWG.NO.-DESSIN NO. L - A28 -9312/3 - 106





KEY PLAN N.T.S.

GENERAL NOTES

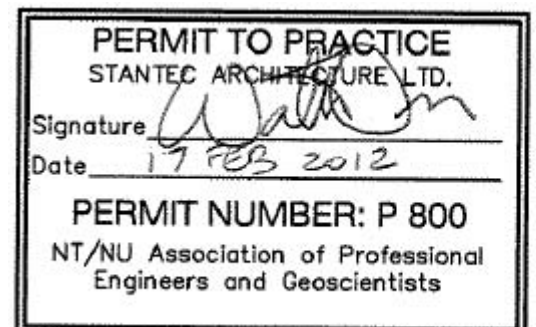
- PIPE SIZES SHOWN IN NPS (INCHES).
- DIMENSIONS SHOWN IN MILLIMETERS UNLESS OTHERWISE NOTED.
- FIELD VERIFY ALL MEASUREMENTS.
- ALL FUEL PIPING, FITTINGS AND ALL OTHER APPURTENANCES TO BE NEW.
- REFER TO DRAWING 301 FOR STATIC ELECTRICITY GROUNDING CONNECTION DETAILS. PROVIDE AND WELD ALL GROUND LUG PLATES TO PIPING ETC. AT ALL LOCATIONS AS REQUIRED.

LEGEND

- ELEV.: ELEVATION
BOP: BOTTOM OF PIPE
L1: FLEXIBLE CONNECTION
X: GATE VALVE
X: PRESSURE RELIEF ASSEMBLY & DIRECTION
X: CHECK VALVE
X: DIRECTION OF FLOW
X: TYPE 3 PIPE SUPPORT - SEE (S-201)
X: TYPE 5 NEW PIPING INSTALL - SEE (S-201)
X: TYPE 6 PIPE SUPPORT - SEE (S-201)
X: TYPE 7 PIPE SUPPORT - SEE (S-201)

DO NOT SCALE DRAWINGS

01	17/02/2012	ISSUED FOR CONSTRUCTION	WO
NO.	DATE	REVISION	APPR.



SCALE-ÉCHELLE AS NOTED

PROJECT-PROJET PF#: 68352

UPGRADE MAIN POL COMPOUND

CFS ALERT, NUNAVUT

TRADE-MÉTIER CIVIL DATE 2011-11-15

PROPOSED PLAN AND PROFILE
UPPER TANK FARM PUMPHOUSE
TO DAY TANK
STA 0+210 TO 0+322.616

PRODUCTION	CONCURRENCE-ASSENTIMENT	
DESIGNED ÉTUDE	USERS GROUP	
DRAWN DESSINE		P.J.P. O'LEARY PROJ. MGR.
CHECKED VÉRIFIÉ		FIRE CHIEF CAPT.P.MUSCAT-DRAGO
COORDINATION	APPROVED - APPROUVÉ S.CHINNATAMBY, ENG O	

DWG.NO.-DESSIN NO. L - A28 -9312/3 - 108

Canada

SEE DWG NO: 107
FOR STATION 0+000
TO 0+210

EXISTING ELECTRICAL
TRAY

INSTALL NEW PIPE
STAND TYPE 3

SEE DWG NO: 106
FOR DETAILS

RELIESE EXISTING STANDS TYPE 5

0+180

0+200

0+220

0+240

0+260

0+280

0+300

0+320

0+340

0+360

0+380

0+400

0+420

0+440

0+460

0+480

0+500

0+520

0+540

0+560

0+580

0+600

0+620

0+640

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0+680

0+700

0+720

0+740

0+760

0+780

0+800

0+820

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0+860

0+880

0+900

0+920

0+940

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0+1060

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0+2160

0+2180

0+2200

0+2220

0+2240

0+2260

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0+3540

0+3560

0+3580

0+3600

0+3620

0+3640

0+3660

0+3680

0+3700

0+3720

0+3740

0+3760

0+3780

0+3800

0+3820

0+3840

0+3860

0+3880

0+3900

0+3920

0+3940

0+3960

0+3980

0+4000

0+4020

0+4040

0+4060

0+4080

0+4100

0+4120

0+4140

0+4160

0+4180

0+4200

0+4220

0+4240

0+4260

0+4280

0+4300

0+4320

0+4340

0+4360

0+4380

0+4400

0+4420

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0+4920

0+4940

0+4960

0+4980

0+5000

0+5020

0+5040

0+5060

0+5080

0+5100

0+5120

0+5140

0+5160

0+5180

0+5200

0+5220

0+5240

0+5260

0+5280

0+5300

0+5320

0+5340

0+5360

0+5380