KAVIK-STANTEC

INUVIK

SANITARY OUTFALL REHABILITATION

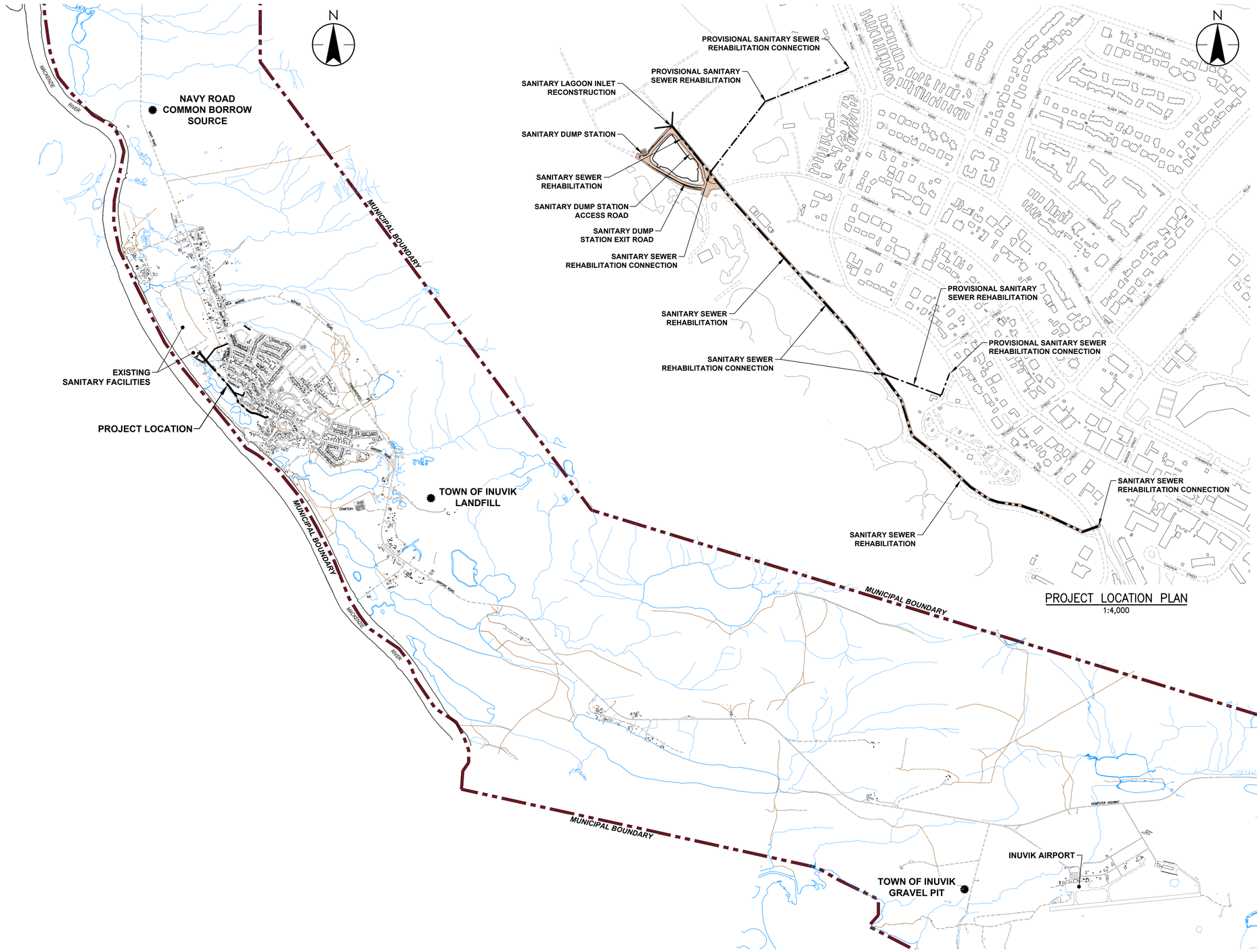
JANUARY 2018

Project Number: 1101-26100

ISSUED FOR GWICH'IN
LAND AND WATER BOARD REVIEW

\\cd1101-c200\shared_projects\110126100\drafting\drawings\current\G000-Cover.dwg
2018/01/23 2:52 AM By:Pham, Ted

ORIGINAL SHEET - ISO A1



CONSTRUCTION MATERIAL LOCATION PLAN
1:25,000

PROJECT LOCATION PLAN
1:4,000

DWG. No.	TITLE
	COVER SHEET
G001	LIST OF DRAWINGS, CONSTRUCTION MATERIAL AND PROJECT LOCATION PLANS
G002	SEWER SCHEMATICS
G003	LEGAL PLAN
G004	PROJECT AREA AND CONTENT
C001	SITE PLAN, UTILITY BYPASS AND DEMOLITION LIMITS
C002	SANITARY PLAN AND PROFILE STA.0+525 TO 0+705
C003	SANITARY PLAN AND PROFILE STA. 0+705 TO 0+950
C004	SANITARY PLAN AND PROFILE STA. 0+950 TO 1+225
C005	SANITARY PLAN AND PROFILE STA. 1+225 TO 1+450
C006	SANITARY PLAN AND PROFILE STA. 1+450 TO 1+600
C007	SANITARY PLAN AND PROFILE STA. 1+600 TO 1+725
C008	SANITARY PLAN AND PROFILE STA. 1+975 TO 2+200
C009	SANITARY PLAN AND PROFILE STA. 2+800 TO 3+000
C010	SANITARY PLAN AND PROFILE STA. 3+000 TO 3+225
C020	SEWAGE DUMP SITE ROAD LAYOUT AND SIGN LOCATION
C021	SEWAGE DUMP SITE ACCESS ROAD PLAN AND PROFILE STA. 0+825 TO STA. 1+000
C022	SEWAGE DUMP SITE ACCESS ROAD PLAN AND PROFILE STA. 2+000 TO 2+210
C023	SEWAGE DUMP SITE EXIT ROAD PLAN AND PROFILE STA. 2+765 TO 2+875
C024	SEWAGE DUMP SITE EXIT ROAD PLAN AND PROFILE STA. 2+875 TO 2+925
C025	SEWAGE DUMP SITE LAYOUT PLAN AND DETAILS
C100	THERMOPILE PIPE SUPPORT AND LINE ANCHOR DETAIL
C101	PIPE SUPPORT PILE AND LINE ANCHOR DETAILS
C102	EXPANSION JOINT AND CLEANOUT DETAIL
C103	SERVICE CONNECTIONS DETAIL
C104	UTILITY DETAILS - 200 DIA. INSULATED BENDS
C105	UTILITY DETAILS - 300 DIA. INSULATED BENDS
C106	UTILITY DETAILS - 350 DIA. INSULATED BENDS
C107	UTILITY DETAILS - SEWAGE POND INLET STRUCTURE PLANS AND SECTIONS
C108	UTILITY DETAILS - TS-G CONNECTION
C109	UTILITY DETAILS - TS-E CONNECTION
C110	UTILITY DETAILS - TS-D CONNECTION
C111	UTILITY DETAILS - FRANKLIN ROAD CONNECTION
C112	ROADWAY CROSSING AND ROAD GRADING DETAILS
C201	ROAD DELINEATOR, GUARD RAIL AND CROSS SECTIONS DETAIL

1:4000 0 40 120 200m
1:25000 0 250 750 1250m

Revision	By	Appd.	YY.MM.DD
C GWICH'IN LAND AND WATER BOARD REVIEW	M.C.M.	D.C.	18.01.23
B TENDER	M.C.M.	D.C.	17.08.28
A FOR CLIENT REVIEW	M.C.M.	D.C.	17.07.20
Issued	By	Appd.	YY.MM.DD

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File Name: G001.dwg	A.J.M.	D.C.	M.C.M.	17.01.06
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Title
LIST OF DRAWINGS, CONSTRUCTION MATERIAL AND PROJECT LOCATION PLANS

Project No.	Scale	
1101-26100	AS SHOWN	
Drawing No.	Sheet	Revision
G001	of	0

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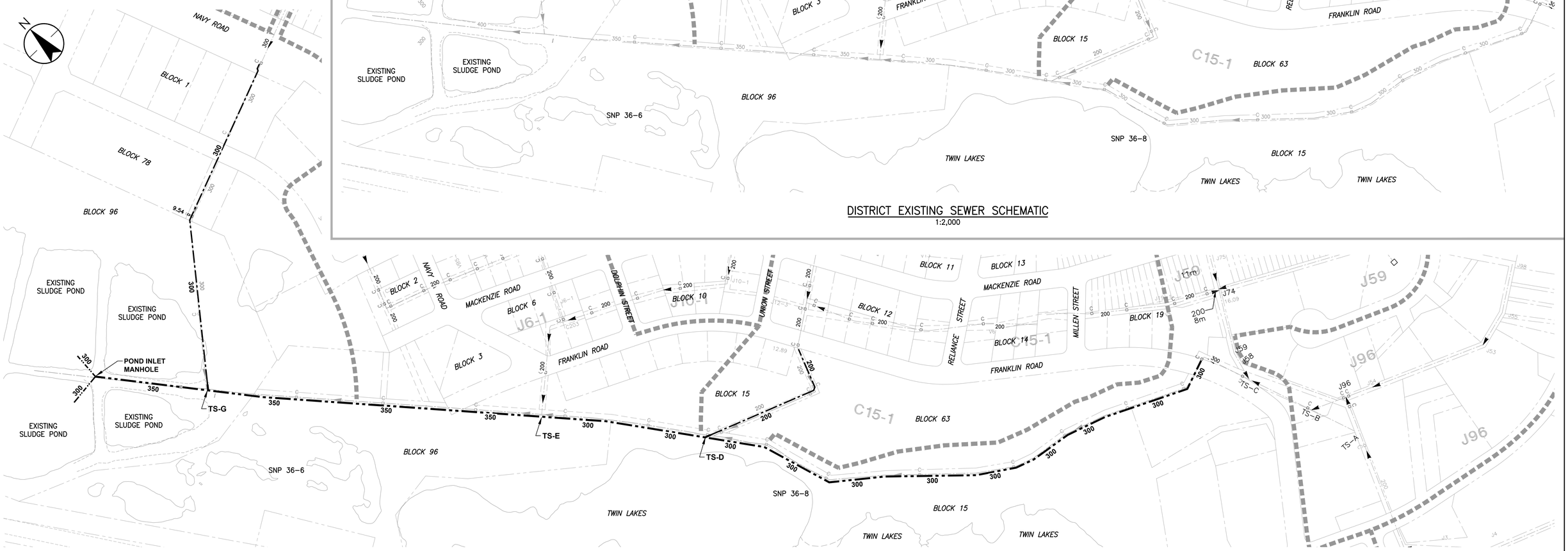
2018/01/23 8:32, AM By: Pham, Paul
ORIGINAL SHEET - ISO A1

DISTRICT EXISTING SEWER SCHEMATIC
1:2,000



DISTRICT PROPOSED SEWER SCHEMATIC
1:2,000

Revision	By	Appd.	YY.MM.DD
0			

Issued	By	Appd.	YY.MM.DD
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File Name: G002.dwg	A.J.M.	D.C.	M.C.M.	17.01.06
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Title
SEWER SCHEMATICS

Project No. 1101-26100
Scale 1:2000 (0 20 60 100m)
Drawing No. G002
Sheet of
Revision 0

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2018/01/23 8:33 AM By: Pham, Paul
ORIGINAL SHEET - ISO A1

LEGAL PLAN
1:1500

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C GWICH'IN LAND AND WATER BOARD REVIEW	M.C.M.	D.C.	18.01.23
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File Name: G003.dwg	A.J.M.	D.C.	M.C.M.	17.01.06
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Title
LEGAL PLAN

Project No. 1101-26100
Scale 1:1500 (0 15 45 75m)
Drawing No. G003
Sheet of
Revision 0

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2018/01/23 8:33 AM By: Pham, Pat

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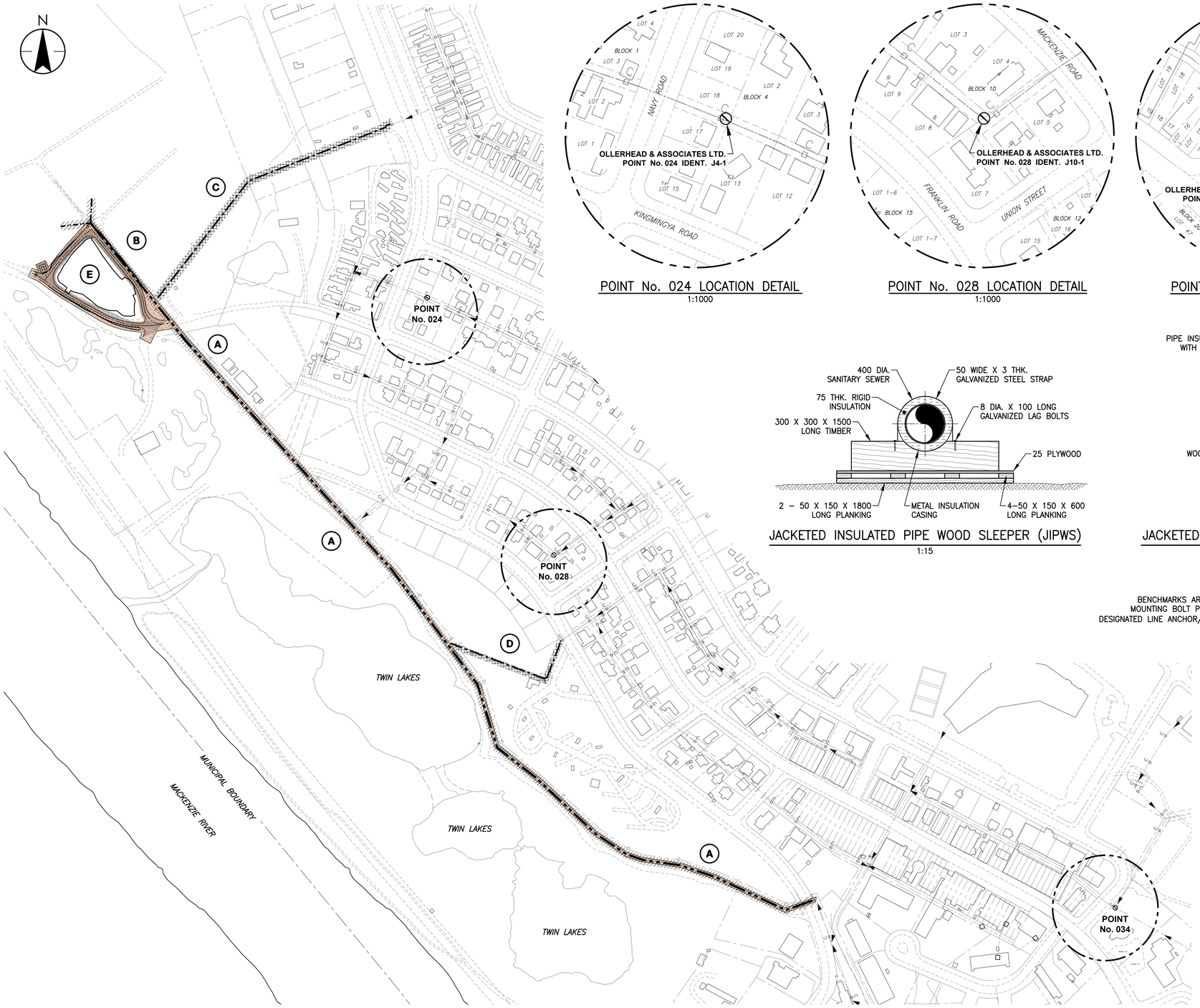
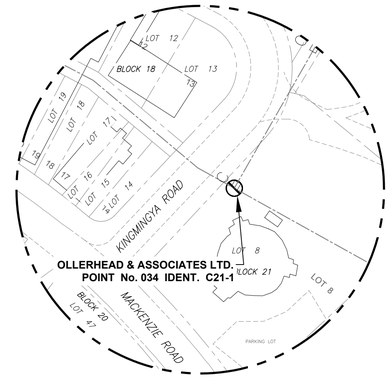


PROJECT AREA AND CONTECT PLAN
1:2500

POINT No. 024 LOCATION DETAIL
1:1000

POINT No. 028 LOCATION DETAIL
1:1000

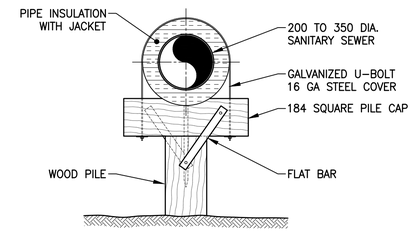


POINT No. 034 LOCATION DETAIL
1:1000

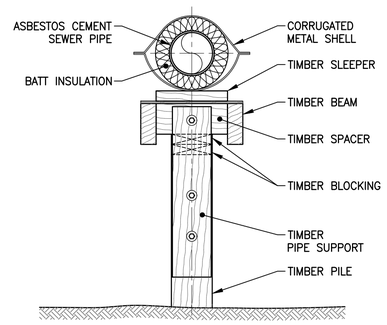
NOTES:

1. WORK INCLUDES TEMPORARY REMOVAL AND RESTORATION OF FENCES, SHEDS AND OTHER YARD IMPROVEMENTS AS NEEDED FOR CONSTRUCTION ACCESS AND PROJECT WORK. GENERALLY, DRAWINGS DO NOT SHOW SUCH FEATURES, AND MAY BE OUT-OF-DATE WITH RESPECT TO MAIN BUILDING OUTLINES.VISIT SITE AND ASSESS RELATED WORK AND ALL OTHER SITE CHARACTERISTICS FOR BID PURPOSES.
2. REFER TO SPECIFICATIONS FOR DEMOLITION AND DISPOSAL PROCEDURE FOR ASBESTOS-CEMENT PIPE.
3. EXISTING UTILIDORS HAVE CONCRETE BLOCKS POURED OVER PIPES AT CORNERS, FIRE HYDRANTS, ETC.

JACKETED INSULATED PIPE WOOD SLEEPER (JIPWS)
1:15

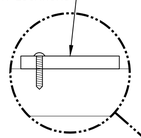


JACKETED INSULATED PIPE WOOD PILE (JIPWP)
1:15



CORRUGATED METAL SHELL (CMS)
1:15

BENCHMARKS ARE TO TOP OF TAG MOUNTING BOLT PLACED CENTRE OF DESIGNATED LINE ANCHOR/FLOOR LOCATIONS



TYPICAL

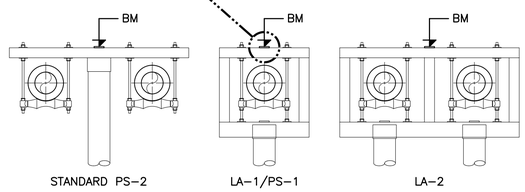
(A) REPLACE JIPWP (JACKETED INSULATED PIPE ON WOOD PILES) STYLE UTILIDOR WITH JIPSP (JACKETED INSULATED PIPE ON STEEL PILES) STYLE UTILIDOR.

(B) REPLACE JIPWS (JACKETED INSULATED PIPE ON WOOD SLEEPERS) STYLE UTILIDOR WITH JIPSP (JACKETED INSULATED PIPE ON STEEL PILES) STYLE UTILIDOR.

(C) PROVISIONAL WORKS:
REPLACE JIPWP (JACKETED INSULATED PIPE ON WOOD PILES) STYLE UTILIDOR WITH JIPSP (JACKETED INSULATED PIPE ON STEEL PILES) STYLE UTILIDOR.

(D) PROVISIONAL WORKS:
REPLACE CORRUGATED METAL SHELL (CMS) UTILIDOR WITH JIPSP (JACKETED INSULATED PIPE ON STEEL PILES) STYLE UTILIDOR.

(E) CONSTRUCTION OF SANITARY DUMP STATION AND ACCESS ROAD.



BENCHMARK (BM) LOCATION

40mm ORANGE TAG BOLTED TO LINE ANCHOR

TYPICAL BENCHMARK (BM)

TABLE OF ELEVATIONS		
O & A PT No.	IDENTIFICATION	ELEVATION
024	J4-1	18.884
028	J10-1	18.252
034	C21-1	24.101

NOTES:

1. DATUM IS NAD83.
2. IN GENERAL, UTILIDOR LINE ANCHORS ("LAs") (NOT PILE SUPPORTS, OR "PS") (SEE DIAGRAMS ARE USED FOR UTILITY BENCHMARKS).
3. CORNERS, TEES, ETC. HAVE LA's ON ALL BRANCHES. BY CONVENTION, THE LOWEST LA (FARTHEST DOWNSTREAM IN SEWER SYSTEM) IS USED FOR BM.

TYPICAL PROJECT BENCHMARK DETAIL
N.T.S.

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File Name: G004.dwg

A.J.M.	D.C.	M.C.M.	17.01.06
Dwn.	Chkd.	Dsgn.	YY.MM.DD

Title
PROJECT AREA AND CONTENT

Project No. 1101-26100
Scale AS SHOWN
Drawing No. G004
Sheet of
Revision 0

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2018/01/23 8:34 AM By: Pham, Pat

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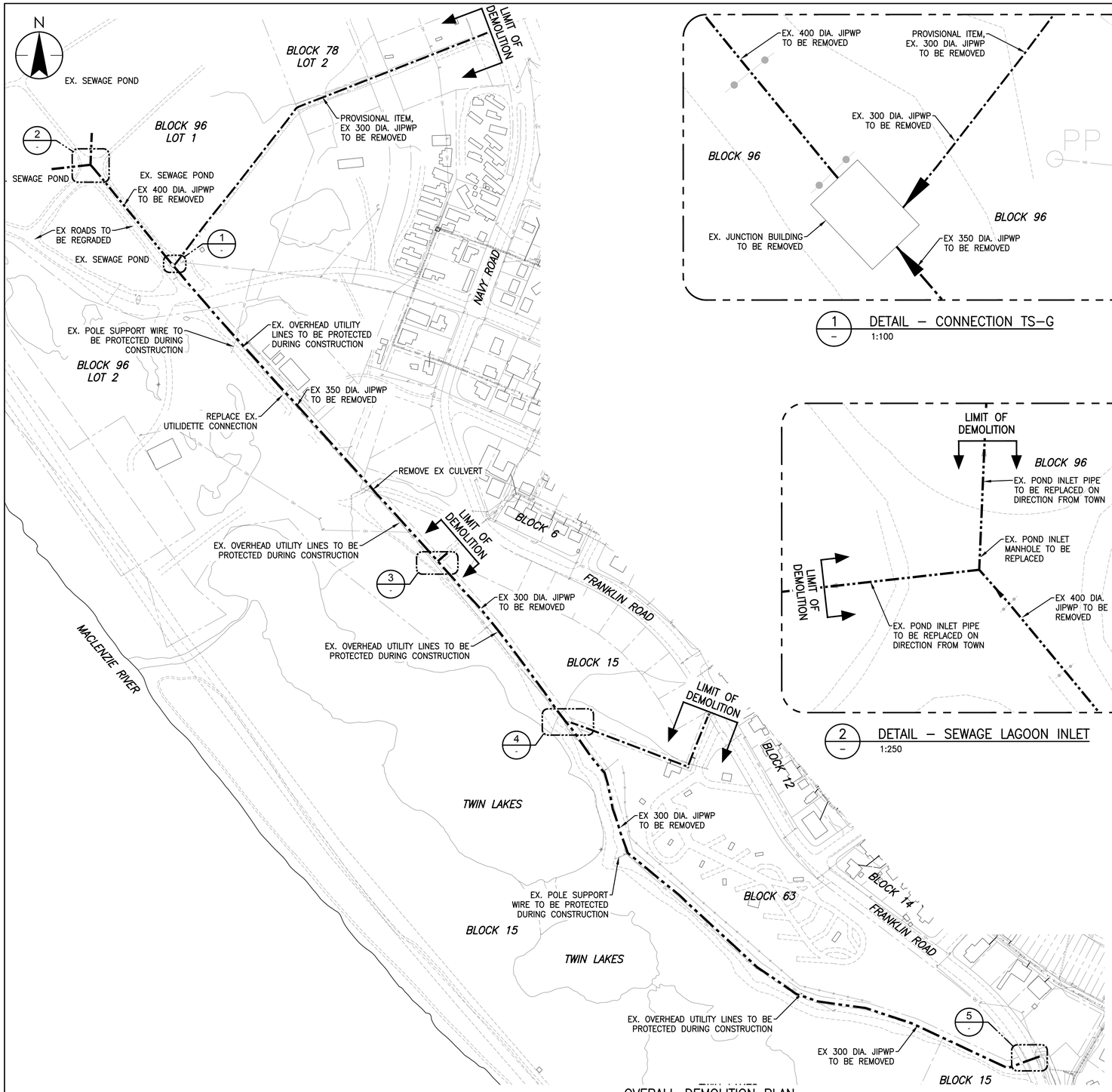
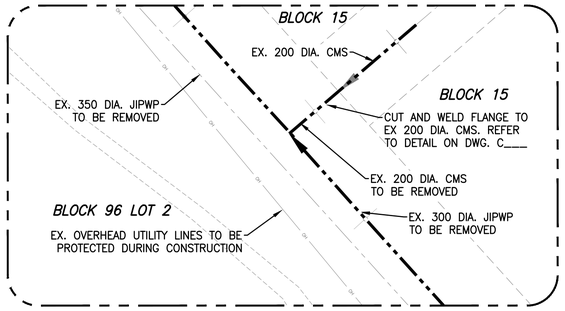


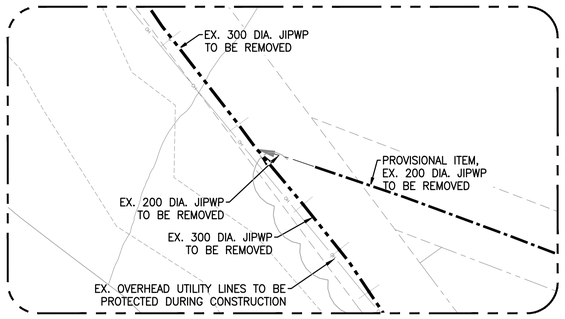
OVERALL DEMOLITION PLAN
1:2000

1 – DETAIL – CONNECTION TS–G
1:100

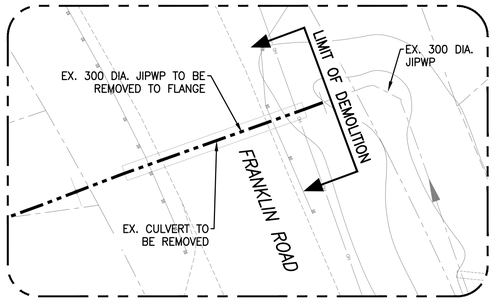


3 – DETAIL – CONNECTION TS–E
1:200

2 – DETAIL – SEWAGE LAGOON INLET
1:250



4 – DETAIL – CONNECTION TS–D
1:250



5 – DETAIL – ROAD CROSSING
1:250

NOTES

1. CONTRACTOR TO ADVISE ENGINEER OF ANY VERTICAL OR HORIZONTAL DISCREPANCY TO CONTROL MONUMENTS OR LEGAL SURVEY MARKERS.
2. CONTRACTOR TO PROVIDE PROPOSED BYPASS PLAN AND SERVICING PLAN AND PROCEDURE TO CONSULTANT FOR APPROVAL PRIOR TO THE START OF CONSTRUCTION.
3. CONTRACTOR TO LOCATE ALL ABOVE AND UNDER GROUND EX. UTILITIES PRIOR TO THE START OF CONSTRUCTION.
4. ALL BUILDING LOCATIONS AND SIZES ARE APPROXIMATE AND NEED TO BE CONFIRMED PRIOR TO THE START OF CONSTRUCTION.
5. CONTRACTOR TO PROVIDE PIPE CAPPING AND RESTRAINT PLAN.

LEGEND

BLOCK LINE
LOT LINE
WORKING LIMITS

PROPOSED		EXISTING
	EDGE OF ROAD	
G	GAS LINE	G
P–O/H	POWER (ABOVE)	P–O/H
P	POWER (UNDER)	P
	SANITARY SEWER	
	WATER LINE	
HB	BEND (HORIZONTAL)	HB
VB	BEND (VERTICAL)	VB
	BUILDING	
	CULVERT	
C	CLEAN OUT	C
EJ	EXPANSION JOINT	EJ
	FLANGED CONNECTION	
LA	LINE ANCHOR	LA
P	PILE	P
PP	POWER POLE	PP
	POWER POLE ANCHOR	
SB	TYPE 1 SERVICE BOX	SB
SB	TYPE 2 SERVICE BOX	SB

1:200 0 2 6 10m
1:250 0 2.5 7.5 12.5m
1:500 0 5 15 25m
1:2000 0 20 60 100m

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File Name: C001.dwg
A.J.M. Dwn. | D.C. Chkd. | M.C.M. Dsgn. | 17.01.06 YY.MM.DD

Title
SITE PLAN, UTILITY BYPASS AND DEMOLITION LIMITS

Project No. 1101-26100
Scale AS SHOWN
Drawing No. C001
Sheet of
Revision 0

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2018/07/23 8:34 AM By: Pham, Paul
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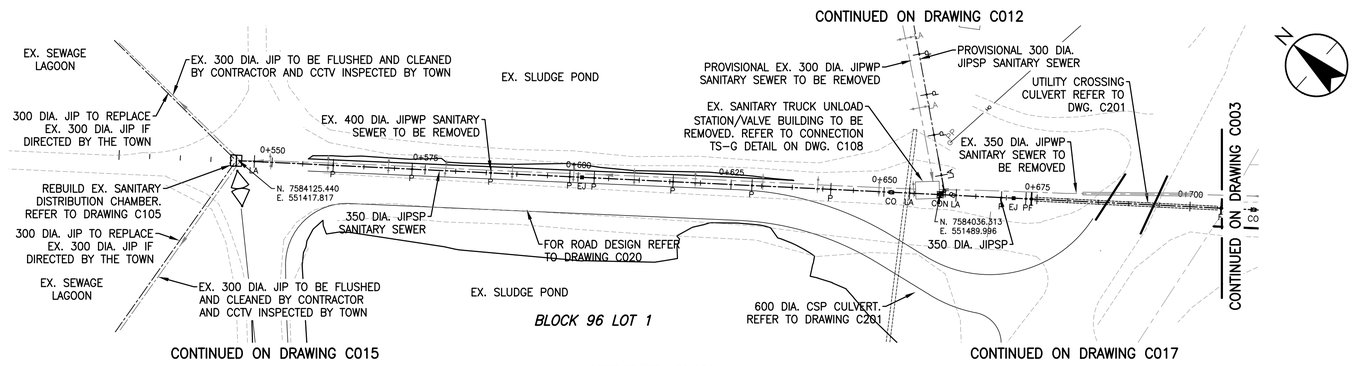
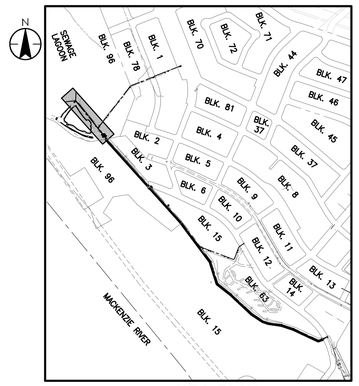


UTILIDOR PLAN
1:500H



KEY PLAN
1:10000

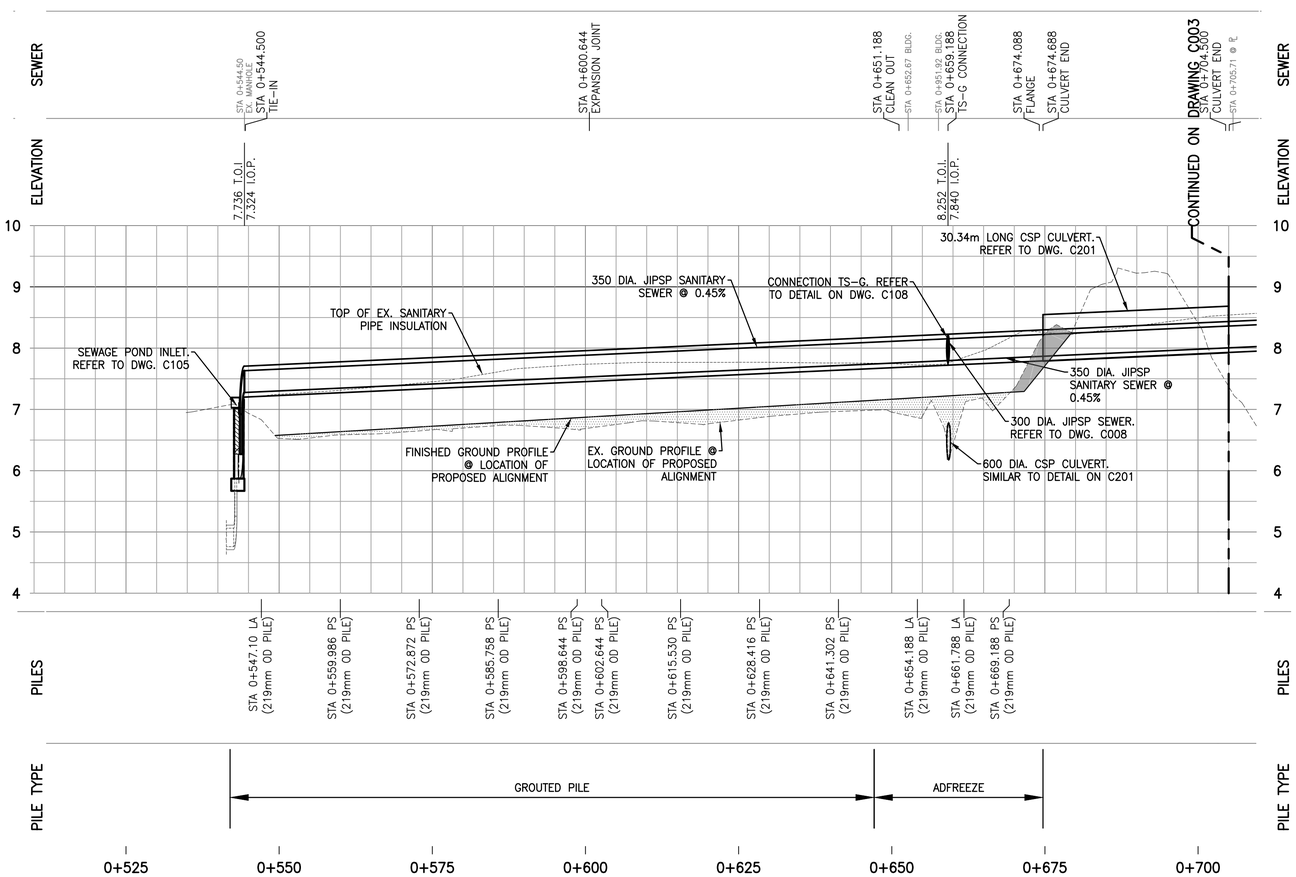
NOTES

1. ELEVATIONS ARE GEODETIC. REFERENCED TO EX. BENCHMARKS 024, 028 AND 034. CONFIRM ELEVATIONS OF EX. PIPES AT TIE-IN POINTS BEFORE INSTALLING.
2. WARNING: DETERMINE LOCATIONS OF UNDERGROUND GAS PIPING AND TELEPHONE LINES DIRECT FROM RESPECTIVE UTILITIES BEFORE START OF ANY CONSTRUCTION.
3. BUILDING LOCATIONS AND SURFACE FEATURES ARE APPROXIMATE AND SHOULD BE CONFIRMED PRIOR TO THE START OF CONSTRUCTION.
4. LIMIT OF VEGETATION CLEARING TO BE DETERMINED BY SITE ENGINEER PRIOR TO THE START OF CONSTRUCTION.
5. REFER TO SHEET C____ FOR SITE GRADING.
6. REFER TO DRAWINGS C1__ TO C1__ FOR UTILITY DETAILS
7. ALL DISTANCES ARE IN METRES UNLESS OTHERWISE NOTED.
8. ALL PIPE SIZES ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.

LEGEND

BLOCK LINE
LOT LINE

PROPOSED		EXISTING
	EDGE OF ROAD	
G	GAS LINE	G
P-O/H	POWER (ABOVE)	P-O/H
P	POWER (UNDER)	P
	SANITARY SEWER	
	WATER LINE	
HB	BEND (HORIZONTAL)	HB
VB	BEND (VERTICAL)	VB
	BUILDING	
	CULVERT	
C	CLEAN OUT	C
EJ	EXPANSION JOINT	EJ
F	FLANGED CONNECTION	F
LA	LINE ANCHOR	LA
P	PILE	P
PP	POWER POLE	PP
	POWER POLE ANCHOR	
SB	TYPE 1 SERVICE BOX	SB
SB	TYPE 2 SERVICE BOX	SB



UTILIDOR PROFILE
1:500H : 150V

1:500H 0 5 15 25m
1:50V 0 0.5 1.5 2.5m
1:10000 0 100 300 500m

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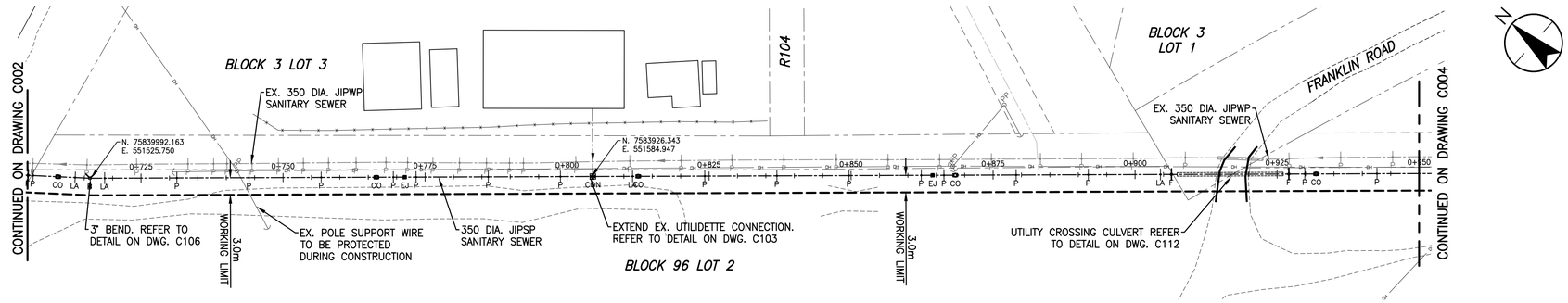
File Name: C002.dwg	A.J.M.	D.C.	M.C.M.	17.01.06
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Title
SANITARY
PLAN AND PROFILE
STA. 0+525 TO STA. 0+705

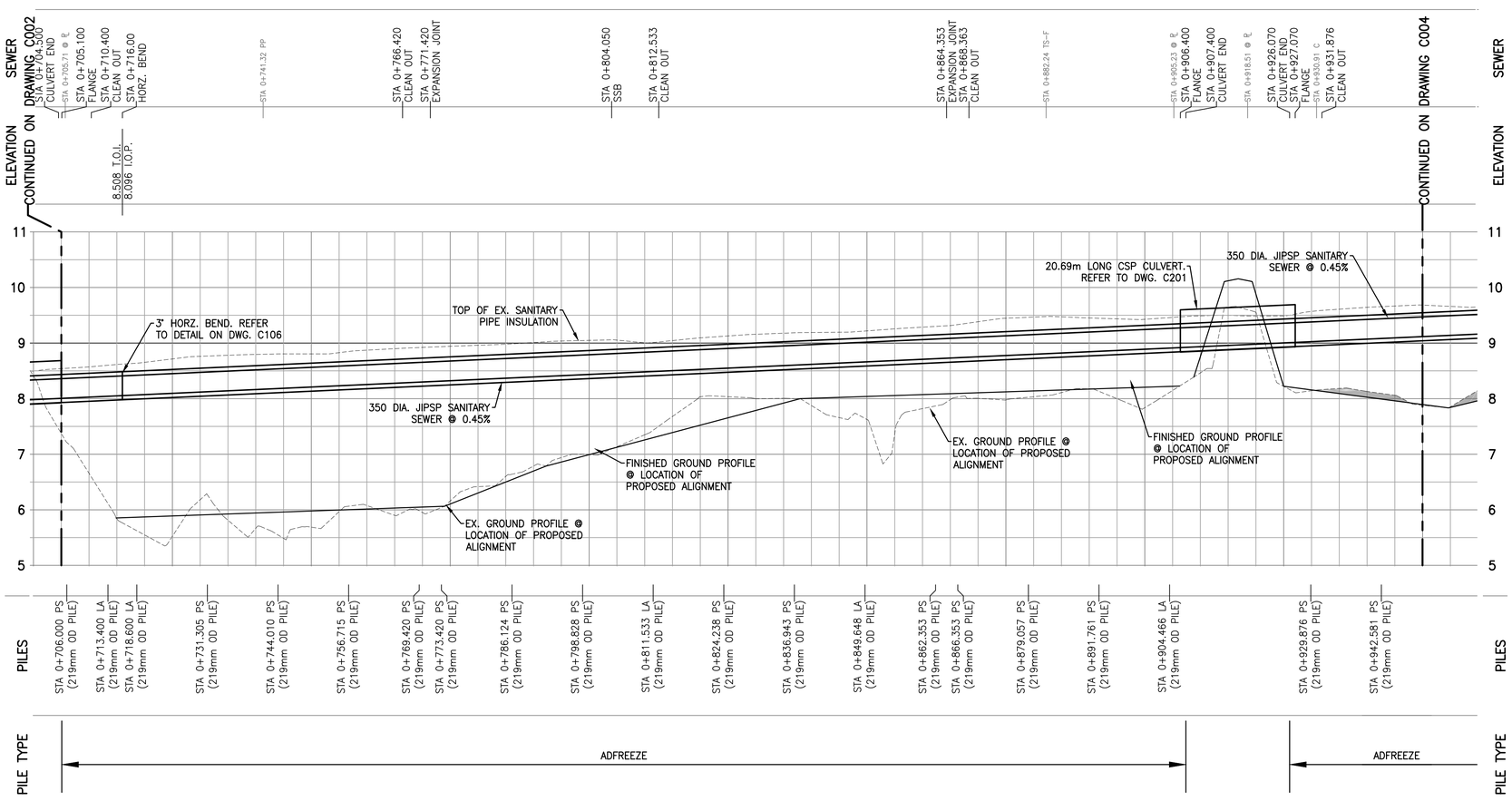
Project No.	Scale
1101-26100	AS SHOWN

Drawing No.	Sheet	Revision
C002	of	0

\\cd1001-c02\shared_projects\110126100\drafting\drawings\current\C002.dwg
2018/01/23 8:37 AM By: Pham, Paul
ORIGINAL SHEET - ISO A1



UTILIDOR PLAN
1:500H



UTILIDOR PROFILE
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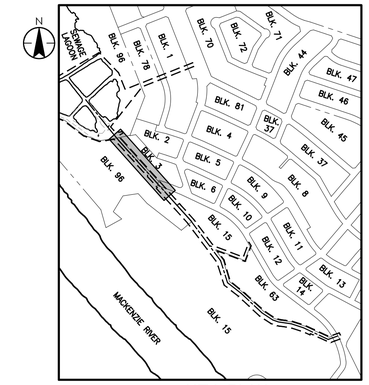

KEY PLAN
1:10000

NOTES

1. ELEVATIONS ARE GEODETIC. REFERENCED TO EX. BENCHMARKS 024, 028 AND 034. CONFIRM ELEVATIONS OF EX. PIPES AT TIE–IN POINTS BEFORE INSTALLING.
2. WARNING: DETERMINE LOCATIONS OF UNDERGROUND GAS PIPING AND TELEPHONE LINES DIRECT FROM RESPECTIVE UTILITIES BEFORE START OF ANY CONSTRUCTION.
3. BUILDING LOCATIONS AND SURFACE FEATURES ARE APPROXIMATE AND SHOULD BE CONFIRMED PRIOR TO THE START OF CONSTRUCTION.
4. LIMIT OF VEGETATION CLEARING TO BE DETERMINED BY SITE ENGINEER PRIOR TO THE START OF CONSTRUCTION.
5. REFER TO SHEET C____ FOR SITE GRADING.
6. REFER TO DRAWINGS C1__ TO C1__ FOR UTILITY DETAILS
7. ALL DISTANCES ARE IN METRES UNLESS OTHERWISE NOTED.
8. ALL PIPE SIZES ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.

LEGEND

BLOCK LINE
LOT LINE
WORKING LIMITS

PROPOSED		EXISTING
	EDGE OF ROAD	
G	GAS LINE	G
P–O/H	POWER (ABOVE)	P–O/H
P	POWER (UNDER)	P
	SANITARY SEWER	
	WATER LINE	
HB	BEND (HORIZONTAL)	HB
VB	BEND (VERTICAL)	VB
	BUILDING	
	CULVERT	
CO	CLEAN OUT	CO
EJ	EXPANSION JOINT	EJ
F	FLANGED CONNECTION	F
LA	LINE ANCHOR	LA
	PILE	
PP	POWER POLE	PP
	POWER POLE ANCHOR	
SB	TYPE 1 SERVICE BOX	SB
SB	TYPE 2 SERVICE BOX	SB

1:500H 0 5 15 25m
1:50V 0 1.0m 3.0m 5.0m
1:10000

Revision	By	Appd.	YY.MM.DD
C GWICHIN LAND AND WATER BOARD REVIEW	M.C.M.	D.C.	18.01.23
B TENDER	M.C.M.	D.C.	17.08.28
A FOR CLIENT REVIEW	M.C.M.	D.C.	17.07.20
Issued	By	Appd.	YY.MM.DD

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TOWN OF INUVIK, NT
SANITARY OUTFALL REHABILITATION
2 Firth Street Inuvik, Northwest Territories/Canada

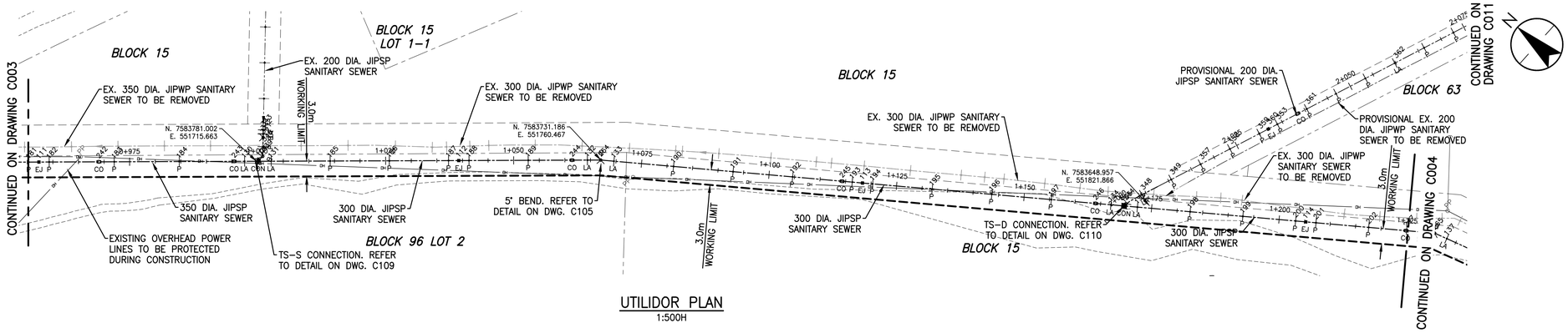
File Name: C003.dwg
A.J.M. Dwn. | D.C. Chkd. | M.C.M. Dsgn. | 17.01.06 YY.MM.DD

Title
SANITARY
PLAN AND PROFILE
STA. 0+705 TO STA.0+950

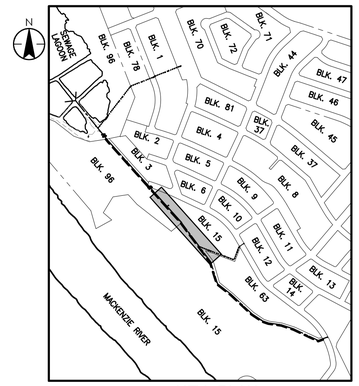
Project No. 1101-26100
Scale AS SHOWN
Drawing No. C003
Sheet of
Revision 0

\\ca1001v-c200.shared_projects\110126100\drafting\drawings\current\C003.dwg
2018.07.23 8:39 AM By: Pinak, Pat

ORIGINAL SHEET - ISO A1



UTILIDOR PLAN
1:500H



KEY PLAN
1:10000

NOTES

1. ELEVATIONS ARE GEODETIC. REFERENCED TO EX. BENCHMARKS 024, 028 AND 034. CONFIRM ELEVATIONS OF EX. PIPES AT TIE-IN POINTS BEFORE INSTALLING.
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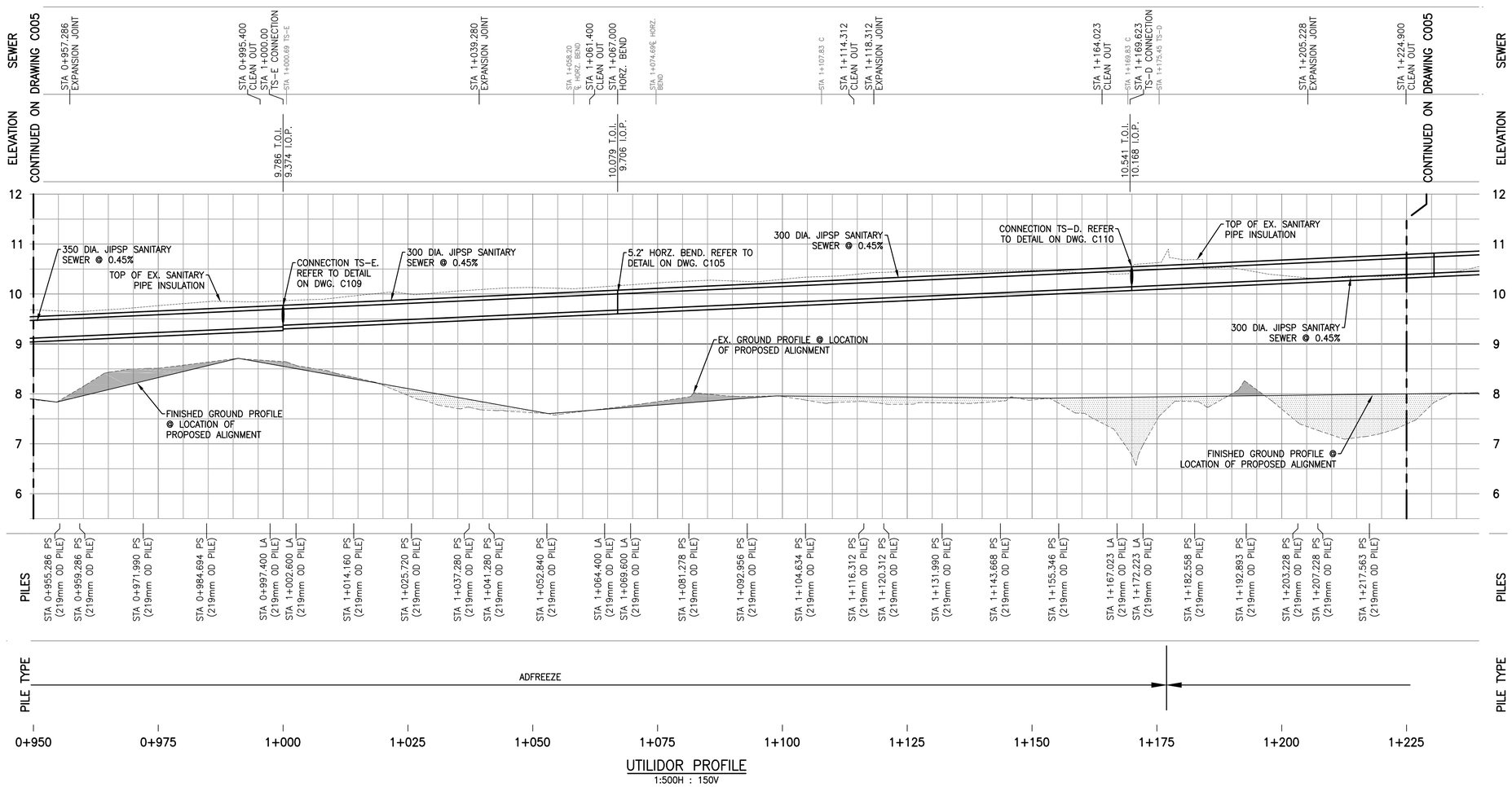
8. ALL PIPE SIZES ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.

LEGEND

BLOCK LINE
LOT LINE
WORKING LIMITS

PROPOSED		EXISTING
	EDGE OF ROAD	
	GAS LINE	
	POWER (ABOVE)	
	POWER (UNDER)	
	SANITARY SEWER	
	WATER LINE	
	BEND (HORIZONTAL)	
	BEND (VERTICAL)	
	BUILDING	
	CULVERT	
	CLEAN OUT	
	EXPANSION JOINT	
	FLANGED CONNECTION	
	LINE ANCHOR	
	PILE	
	POWER POLE	
	POWER POLE ANCHOR	
	TYPE 1 SERVICE BOX	
	TYPE 2 SERVICE BOX	



UTILIDOR PROFILE
1:500H : 150V

1:10000 0 100 300 500m
1:500H 0 5 15 25m
1:50V 0 0.5 1.5 2.5m

Revision	By	Appd.	YY.MM.DD
C GWICH'IN LAND AND WATER BOARD REVIEW	M.C.M.	D.C.	18.01.23
B TENDER	M.C.M.	D.C.	17.08.28
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2 Firth Street Inuvik, Northwest Territories/Canada

File Name: C004.dwg	A.J.M.	D.C.	M.C.M.	17.01.06
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Title
SANITARY
PLAN AND PROFILE
STA. 0+950 TO 1+225

Project No. 1101-26100
Scale AS SHOWN
Drawing No. C004
Sheet of
Revision 0

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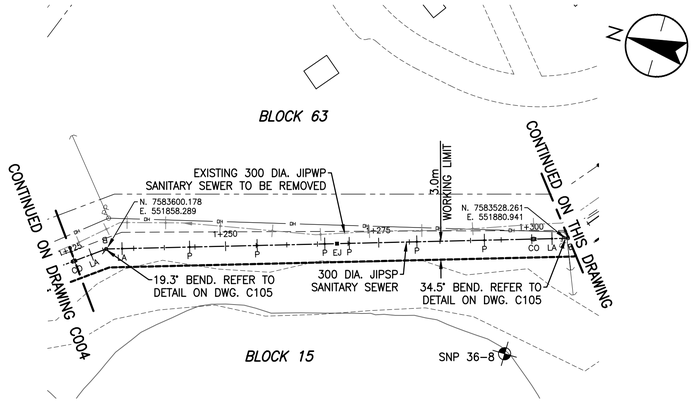
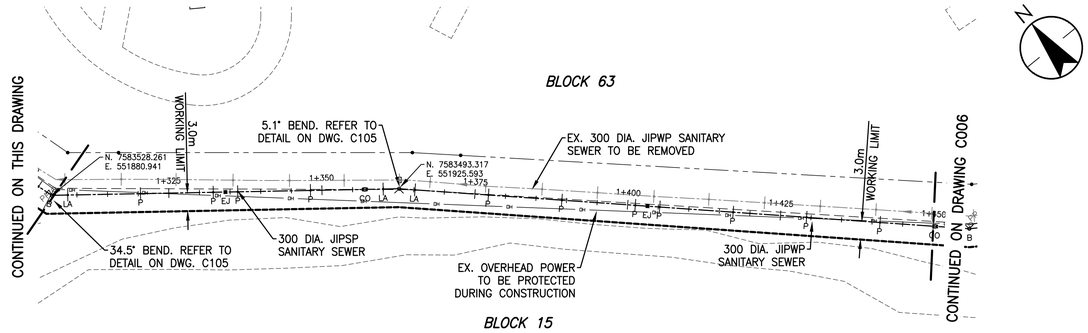
2018/07/23 8:40 AM By: Pham, Paul
ORIGINAL SHEET - ISO A1



UTILIDOR PLAN
1:500H



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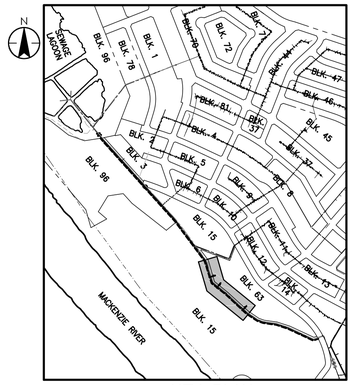
1:500H



KEY PLAN
1:10000

NOTES

1. ELEVATIONS ARE GEODETIC. REFERENCED TO EX. BENCHMARKS 024, 028 AND 034. CONFIRM ELEVATIONS OF EX. PIPES AT TIE–IN POINTS BEFORE INSTALLING.
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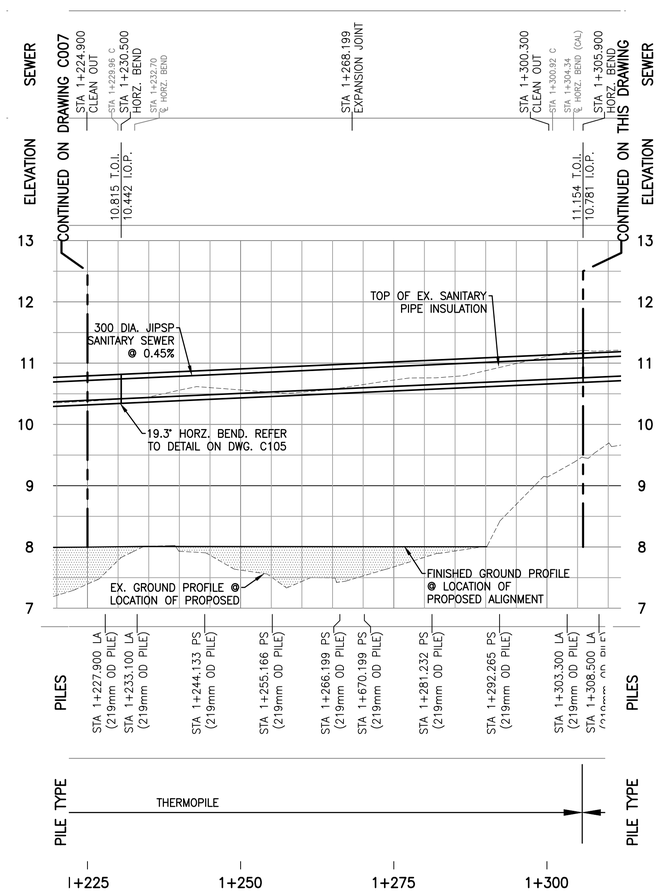
6. REFER TO DRAWINGS C1__ TO C1__ FOR UTILITY DETAILS
7. ALL DISTANCES ARE IN METRES UNLESS OTHERWISE NOTED.
8. ALL PIPE SIZES ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.

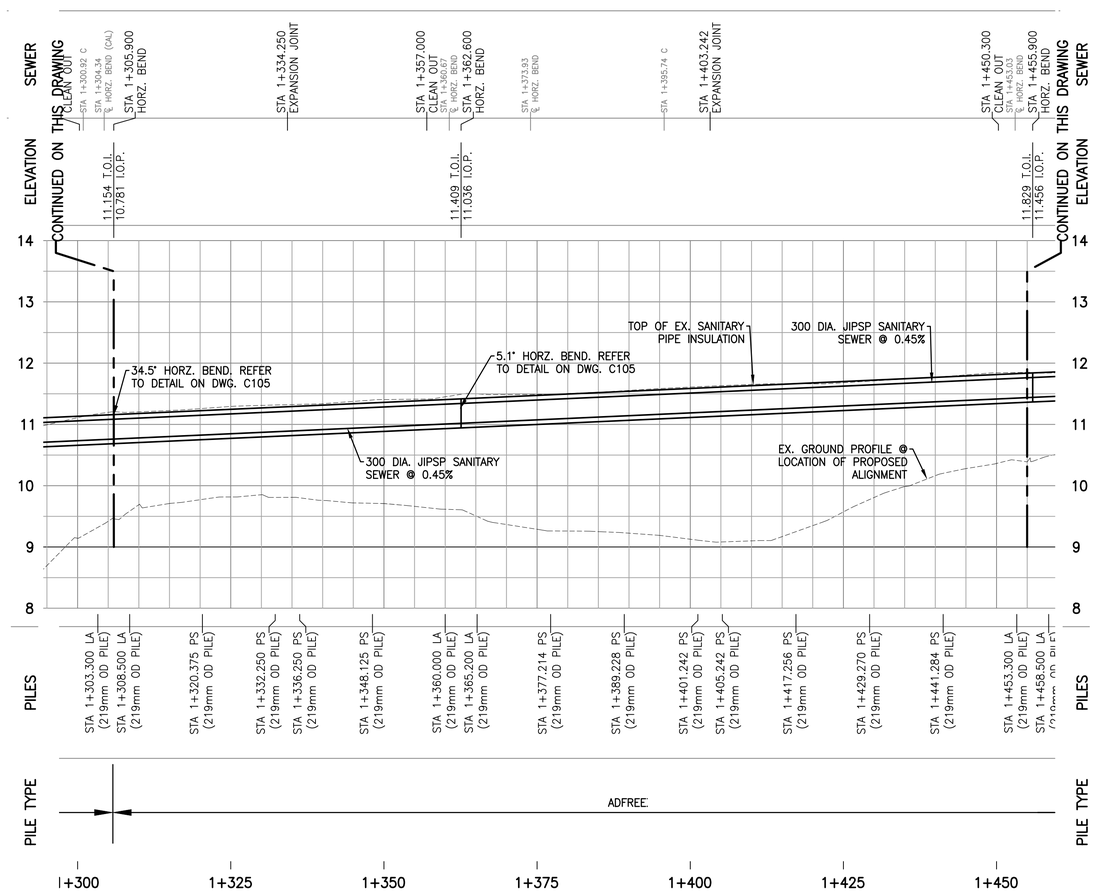
LEGEND

- BLOCK LINE
- LOT LINE
- WORKING LIMITS

PROPOSED		EXISTING
	EDGE OF ROAD	
G	GAS LINE	G
P–O/H	POWER (ABOVE)	P–O/H
P	POWER (UNDER)	P
S	SANITARY SEWER	S
W	WATER LINE	W
VB	BEND (HORIZONTAL)	VB
VB	BEND (VERTICAL)	VB
	BUILDING	
	CULVERT	
CO	CLEAN OUT	CO
EJ	EXPANSION JOINT	EJ
FC	FLANGED CONNECTION	FC
LA	LINE ANCHOR	LA
P	PILE	P
PP	POWER POLE	PP
	POWER POLE ANCHOR	
SB	TYPE 1 SERVICE BOX	SB
SB	TYPE 2 SERVICE BOX	SB



UTILIDOR PROFILE
1:500H : 150V



UTILIDOR PROFILE
1:500H : 150V

1:10000 0 100 300 500m
1:500H 0 5 15 25m
1:50V 0 0.5 1.5 2.5m

Revision	By	Appd.	YY.MM.DD
C GWICH'IN LAND AND WATER BOARD REVIEW	M.C.M.	D.C.	18.01.23
B TENDER	M.C.M.	D.C.	17.08.28
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2 Firth Street Inuvik, Northwest Territories/Canada

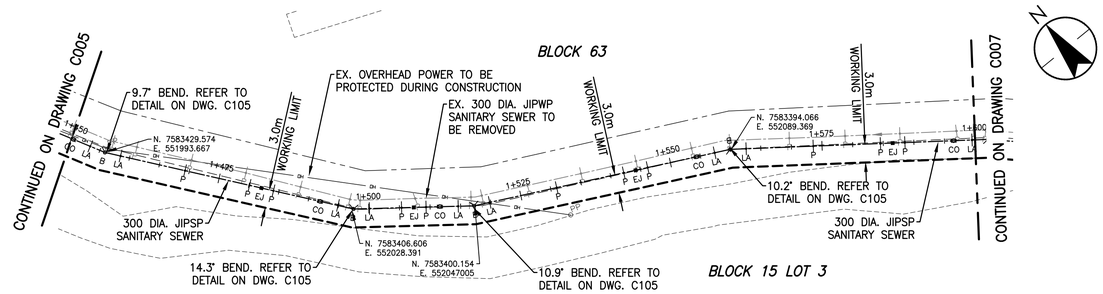
File Name: C005.dwg
A.J.M. Dwn. | D.C. Chkd. | M.C.M. Dsgn. | 17.01.06 YY.MM.DD

Title
SANITARY
PLAN AND PROFILE
STA. 1+225 TO STA. 1+450

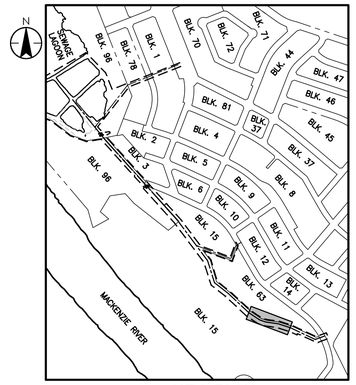
Project No. 1101-26100
Scale AS SHOWN
Drawing No. C005
Sheet of
Revision 0

\\ca0100\c-200\shared_projects\110126100\drafting\drawings\current\C005.dwg
2018.07.03 8:42 AM By: Pham, Pat

ORIGINAL SHEET - ISO A1



UTILIDOR PLAN
1:500H



KEY PLAN
1:10000

NOTES

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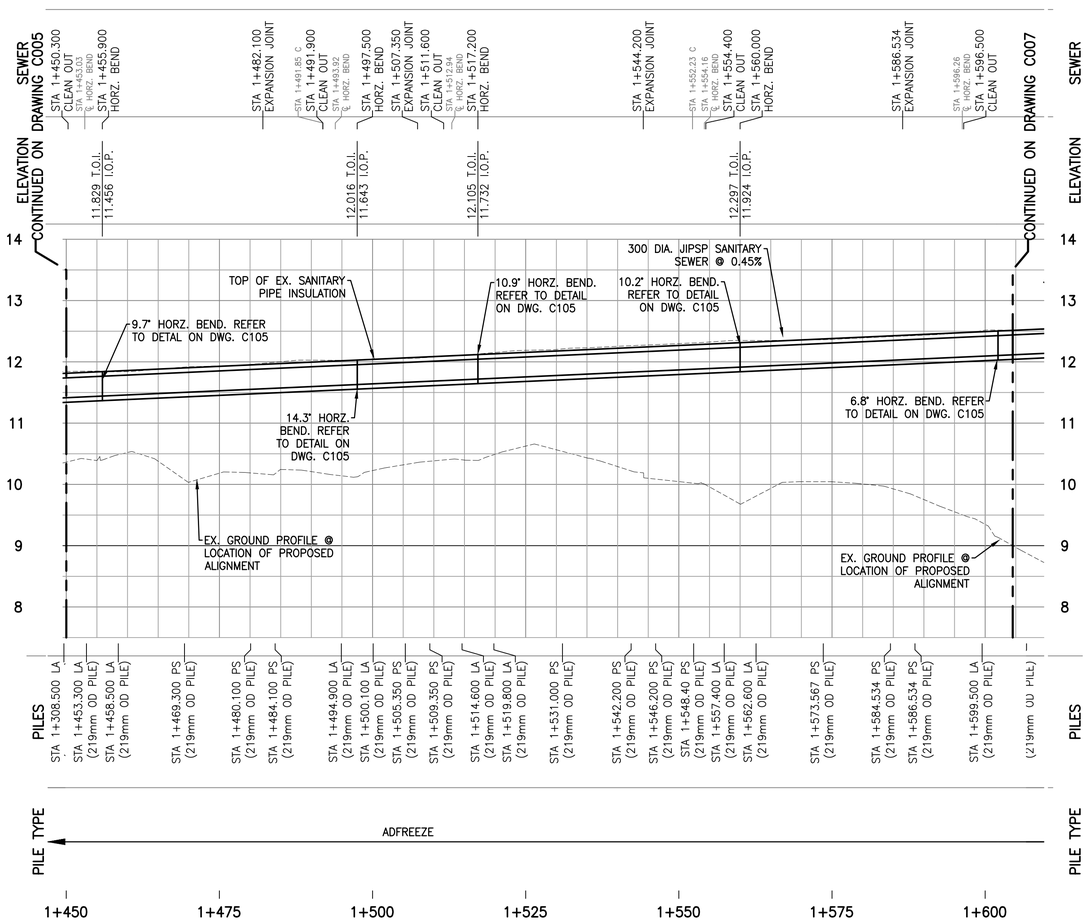
LEGEND

BLOCK LINE
LOT LINE
WORKING LIMITS

PROPOSED		EXISTING
	EDGE OF ROAD	
G	GAS LINE	G
P-O/H	POWER (ABOVE)	P-O/H
P	POWER (UNDER)	P
	SANITARY SEWER	
	WATER LINE	
	BEND (HORIZONTAL)	
	BEND (VERTICAL)	
	BUILDING	
	CULVERT	
	CLEAN OUT	
	EXPANSION JOINT	
	FLANGED CONNECTION	
	LINE ANCHOR	
PP	PILE	
PP	POWER POLE	PP
	POWER POLE ANCHOR	
SB	TYPE 1 SERVICE BOX	SB
SB	TYPE 2 SERVICE BOX	SB



UTILIDOR PROFILE
1:500H : 150V

1:10000 0 100 300 500m
1:500H 0 5 15 25m
1:50V 0 0.5 1.5 2.5m

Revision	By	Appd.	YY.MM.DD
C GWICHIN LAND AND WATER BOARD REVIEW	M.C.M.	D.C.	18.01.23
B TENDER	M.C.M.	D.C.	17.08.28
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Issued	By	Appd.	YY.MM.DD

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Client/Project
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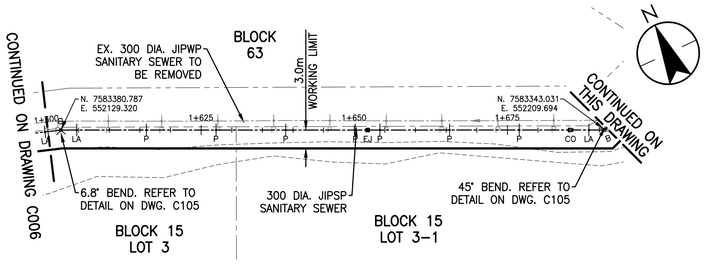
2 Firth Street Inuvik, Northwest Territories/Canada

File Name: C006.dwg
A.J.M. Dwn. | D.C. Chkd. | M.C.M. Dsgn. | 17.01.06 YY.MM.DD

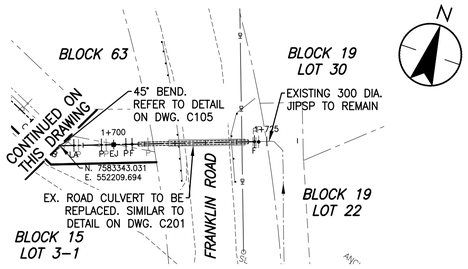
Title
SANITARY
PLAN AND PROFILE
STA. 1+450 TO 1+600

Project No. 1101-26100
Scale AS SHOWN
Drawing No. C006
Sheet of
Revision 0

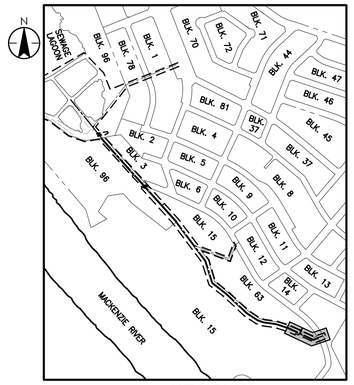
\\cd1001-c001-shared_projects\110126100\drafting\drawings\current\C006.dwg
2018/01/23 8:44 AM By: Pham, Paul
ORIGINAL SHEET - ISO A1



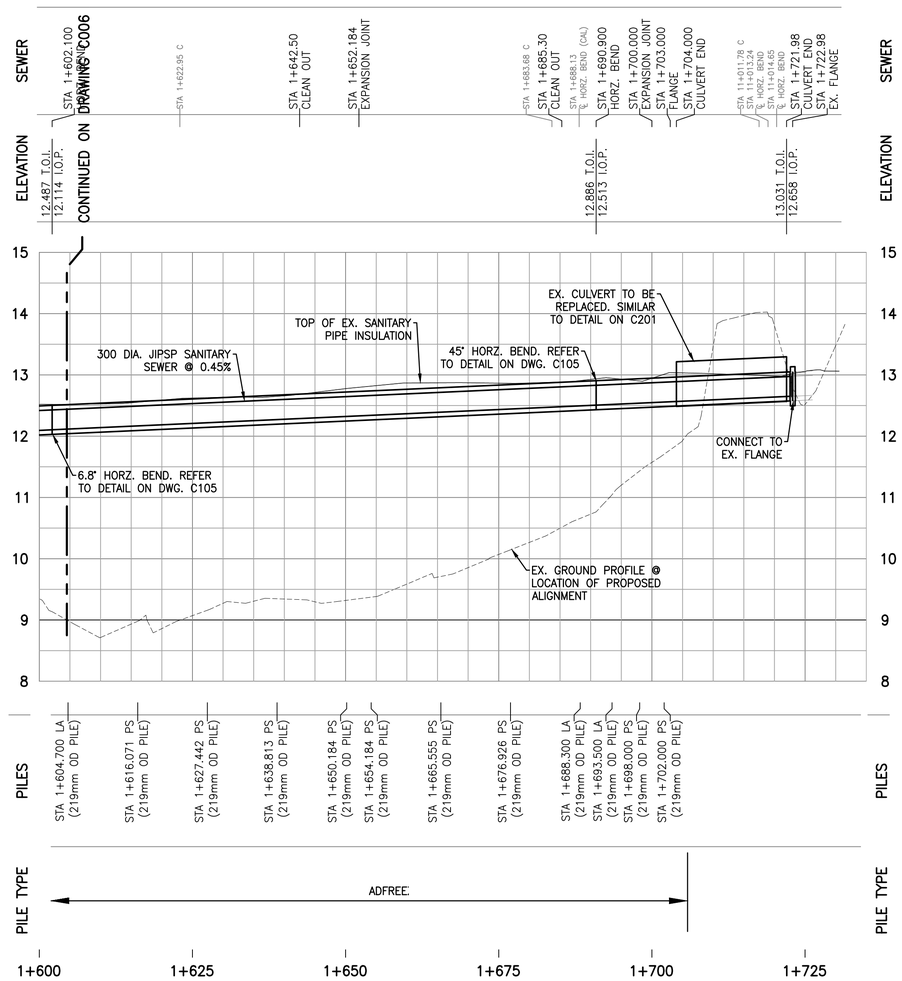
UTILIDOR PLAN
1:500H



UTILIDOR PLAN
1:500H



KEY PLAN
1:10000



UTILIDOR PROFILE
1:500H : 150V

NOTES

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LEGEND

BLOCK LINE
LOT LINE
WORKING LIMITS

PROPOSED		EXISTING
	EDGE OF ROAD	
	GAS LINE	
	POWER (ABOVE)	
	POWER (UNDER)	
	SANITARY SEWER	
	WATER LINE	
	BEND (HORIZONTAL)	
	BEND (VERTICAL)	
	BUILDING	
	CULVERT	
	CLEAN OUT	
	EXPANSION JOINT	
	FLANGED CONNECTION	
	LINE ANCHOR	
	PILE	
	POWER POLE	
	POWER POLE ANCHOR	
	TYPE 1 SERVICE BOX	
	TYPE 2 SERVICE BOX	

1:10000 0 100 300 500m
1:500H 0 5 15 25m
1:50V 0 0.5 1.5 2.5m

Revision	By	Appd.	YY.MM.DD
C GWICH'IN LAND AND WATER BOARD REVIEW	M.C.M.	D.C.	18.01.23
B TENDER	M.C.M.	D.C.	17.08.28
A FOR CLIENT REVIEW	M.C.M.	D.C.	17.07.20
Issued	By	Appd.	YY.MM.DD

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TOWN OF INUVIK, NT
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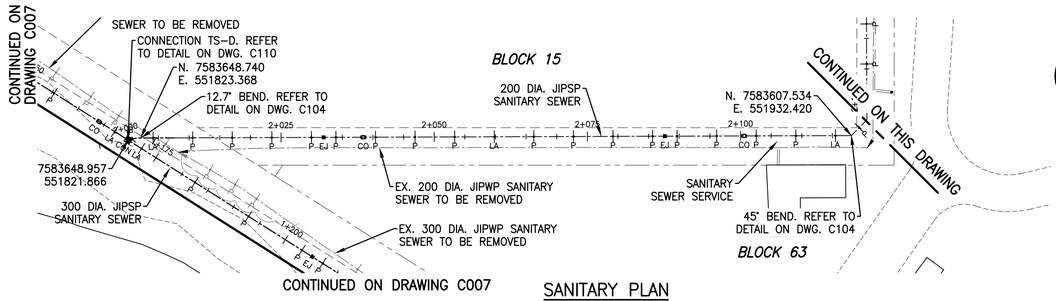
2 Firth Street Inuvik, Northwest Territories/Canada

File Name: C007.dwg	A.J.M.	D.C.	M.C.M.	17.01.06
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

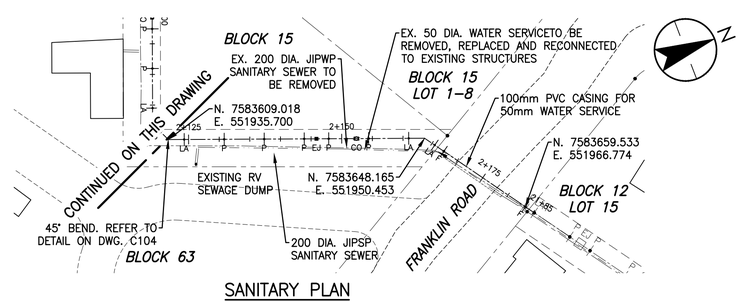
Title
SANITARY
PLAN AND PROFILE
STA. 10+900 TO 11+025

Project No. 1101-26100
Scale AS SHOWN
Drawing No. C007
Sheet of
Revision 0

\\cd1001-c200\shared_projects\110126100\drafting\drawings\current\C007.dwg
2018/01/23 8:45 AM By: Pham, Paul
ORIGINAL SHEET - ISO A1



SANITARY PLAN
1:500H



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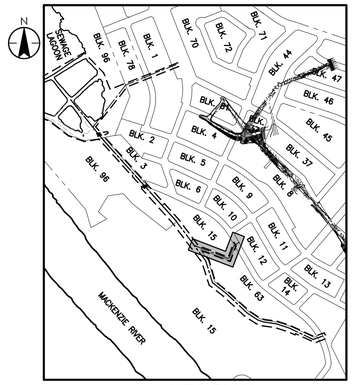


KEY PLAN
1:10000

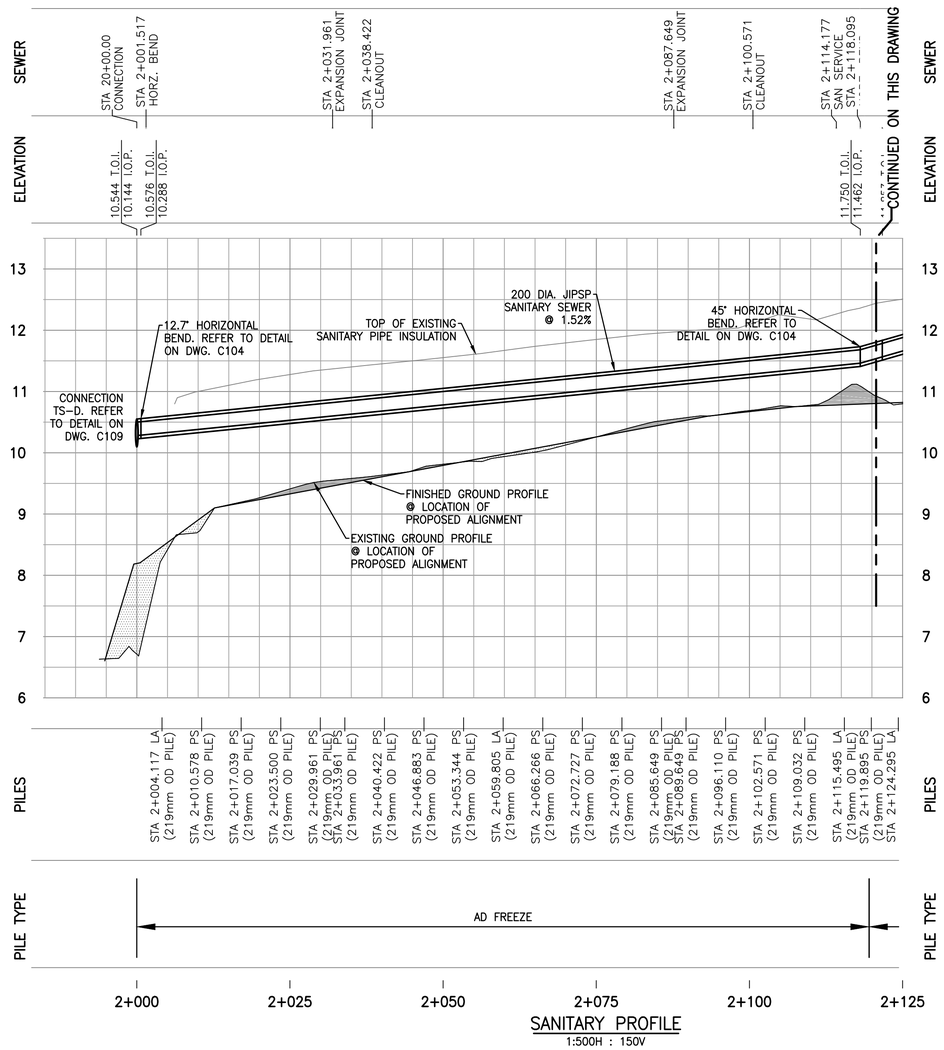
NOTES

1. ELEVATIONS ARE GEODETIC. REFERENCED TO EX. BENCHMARKS 024, 028 AND 034. CONFIRM ELEVATIONS OF EX. PIPES AT TIE–IN POINTS BEFORE INSTALLING.
2. WARNING: DETERMINE LOCATIONS OF UNDERGROUND GAS PIPING AND TELEPHONE LINES DIRECT FROM RESPECTIVE UTILITIES BEFORE START OF ANY CONSTRUCTION.
3. BUILDING LOCATIONS AND SURFACE FEATURES ARE APPROXIMATE AND SHOULD BE CONFIRMED PRIOR TO THE START OF CONSTRUCTION.
4. LIMIT OF VEGETATION CLEARING TO BE DETERMINED BY SITE ENGINEER PRIOR TO THE START OF CONSTRUCTION.
5. REFER TO SHEET C____ FOR SITE GRADING.
6. REFER TO DRAWINGS C1__ TO C1__ FOR UTILITY DETAILS
7. ALL DISTANCES ARE IN METRES UNLESS OTHERWISE NOTED.
8. ALL PIPE SIZES ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.

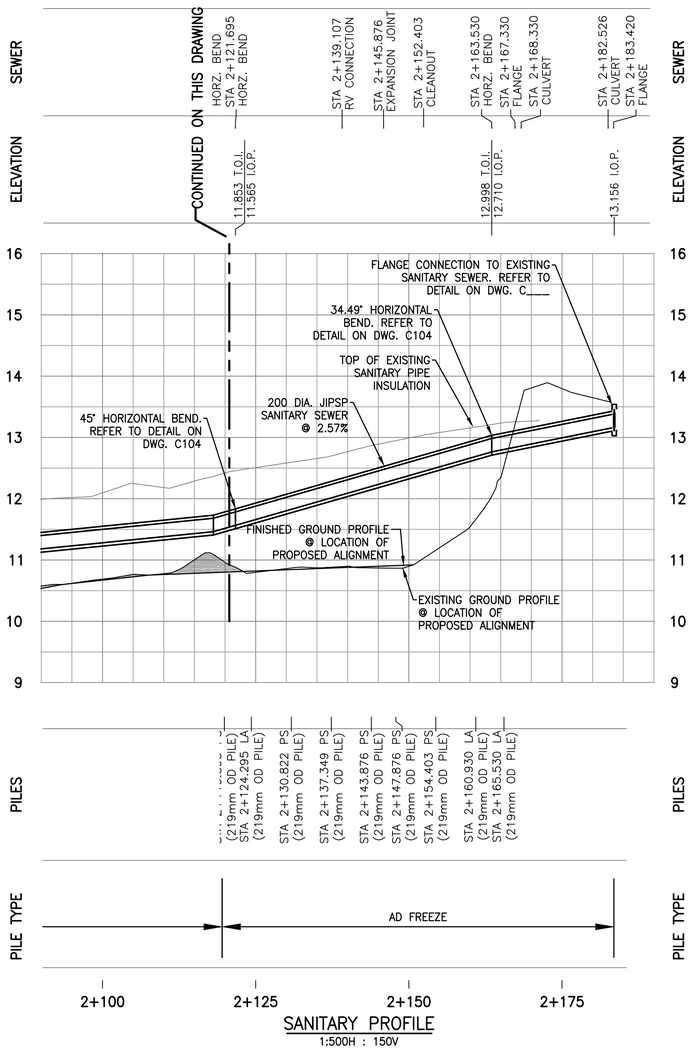
LEGEND

BLOCK LINE
LOT LINE
WORKING LIMITS

PROPOSED		EXISTING
	EDGE OF ROAD	
	GAS LINE	
	POWER (ABOVE)	
	POWER (UNDER)	
	SANITARY SEWER	
	WATER LINE	
	BEND (HORIZONTAL)	
	BEND (VERTICAL)	
	BUILDING	
	CULVERT	
	CLEAN OUT	
	EXPANSION JOINT	
	FLANGED CONNECTION	
	LINE ANCHOR	
	PILE	
	POWER POLE	
	POWER POLE ANCHOR	
	TYPE 1 SERVICE BOX	
	TYPE 2 SERVICE BOX	



SANITARY PROFILE
1:500H : 150V



SANITARY PROFILE
1:500H : 150V

1:500H 0 5 15 25m
1:50V 0 0.5 1.5 2.5m

Revision	By	Appd.	YY.MM.DD
D GWICH'IN LAND AND WATER BOARD REVIEW	M.C.M.	D.C.	18.01.23
C ADDENDUM	M.C.M.	D.C.	17.09.15
B TENDER	M.C.M.	D.C.	17.08.28
A FOR CLIENT REVIEW	M.C.M.	D.C.	17.07.20
Issued	By	Appd.	YY.MM.DD

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Client/Project
INUVIK
TOWN OF INUVIK, NT
SANITARY OUTFALL REHABILITATION
2 Firth Street Inuvik, Northwest Territories/Canada

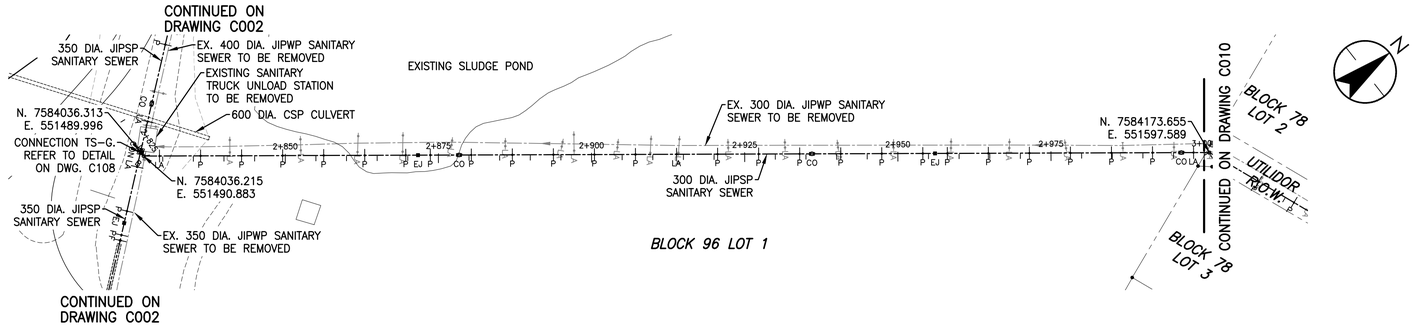
File Name: C008.dwg
A.J.M. Dwn. | D.C. Chkd. | M.C.M. Dsgn. | 17.01.06 YY.MM.DD

Title
PROVISIONAL SANITARY PLAN AND PROFILE
STA. 1+975 TO STA. 2+200

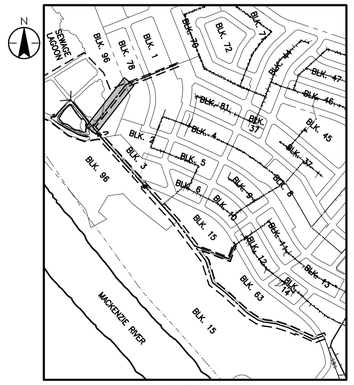
Project No. 1101-26100
Scale AS SHOWN
Drawing No. C008
Sheet of
Revision 0

\\Cad\001-2009-drawing projects\110126100\drafting\drawings\current\C008.dwg
2018(01)23 8:47 AM By: Pham, Paul

ORIGINAL SHEET - ISO A1



SANITARY PLAN
1:500H



KEY PLAN
1:10000

NOTES

1. ELEVATIONS ARE GEODETIC. REFERENCED TO EX. BENCHMARKS 024, 028 AND 034. CONFIRM ELEVATIONS OF EX. PIPES AT TIE-IN POINTS BEFORE INSTALLING.
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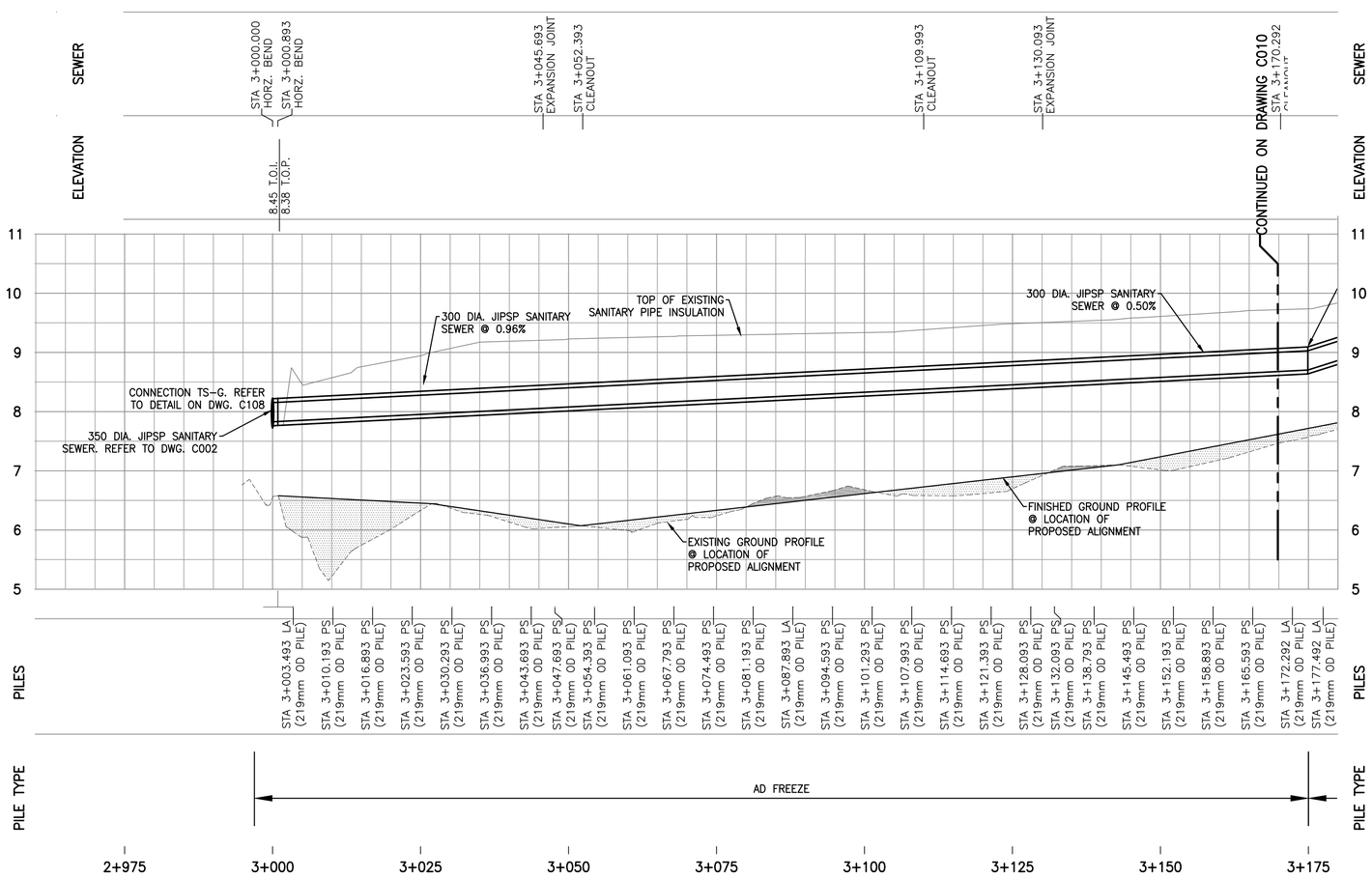

SANITARY PROFILE
1:500H : 150V

LEGEND

BLOCK LINE
LOT LINE
WORKING LIMITS

PROPOSED		EXISTING
	EDGE OF ROAD	
	GAS LINE	
	POWER (ABOVE)	
	POWER (UNDER)	
	SANITARY SEWER	
	WATER LINE	
	BEND (HORIZONTAL)	
	BEND (VERTICAL)	
	BUILDING	
	CULVERT	
	CLEAN OUT	
	EXPANSION JOINT	
	FLANGED CONNECTION	
	LINE ANCHOR	
	PILE	
	POWER POLE	
	POWER POLE ANCHOR	
	TYPE 1 SERVICE BOX	
	TYPE 2 SERVICE BOX	

1:10000 0 100 300 500m
1:500H 0 5 15 25m
1:50V 0 0.5 1.5 2.5m

Revision	By	Appd.	YY.MM.DD
D GWICHIN LAND AND WATER BOARD REVIEW	M.C.M.	D.C.	18.01.23
C ADDENDUM	M.C.M.	D.C.	17.09.15
B TENDER	M.C.M.	D.C.	17.08.28
A FOR CLIENT REVIEW	M.C.M.	D.C.	17.07.20
Issued	By	Appd.	YY.MM.DD

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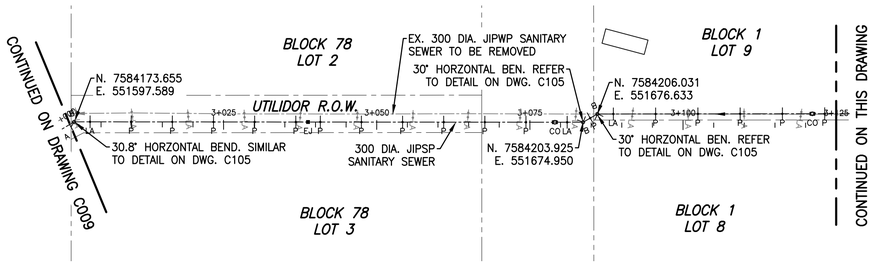
TOWN OF INUVIK, NT
SANITARY OUTFALL REHABILITATION
2 Firth Street Inuvik, Northwest Territories/Canada

File Name: C009.dwg
A.J.M. Dwn. | D.C. Chkd. | M.C.M. Dsgn. | 17.01.06 YY.MM.DD

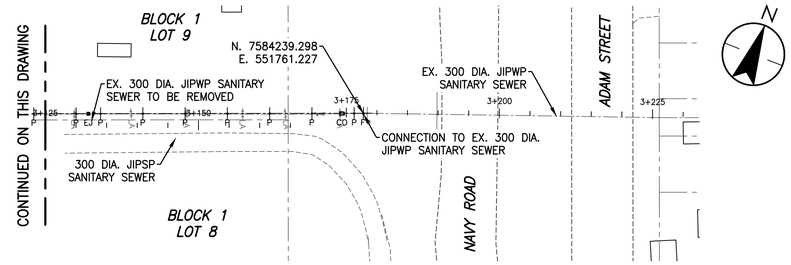
Title
PROVISIONAL SANITARY PLAN AND PROFILE
STA. 2+800 TO 3+000

Project No. 1101-26100
Scale AS SHOWN
Drawing No. C009
Sheet of
Revision 0

\\cd1001-c200\shared_projects\110126100\drafting\drawings\current\C009.dwg
2018/01/23 8:49 AM By: Pham, Paul
ORIGINAL SHEET - ISO A1



SANITARY PLAN
1:500H



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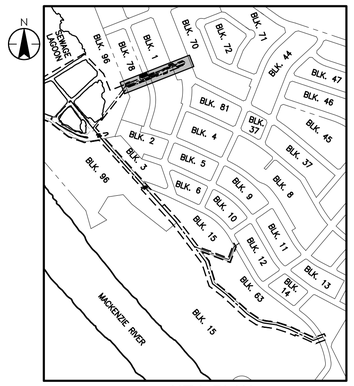
1:500H



KEY PLAN
1:10000

NOTES

1. ELEVATIONS ARE GEODETIC. REFERENCED TO EX. BENCHMARKS 024, 028 AND 034. CONFIRM ELEVATIONS OF EX. PIPES AT TIE–IN POINTS BEFORE INSTALLING.
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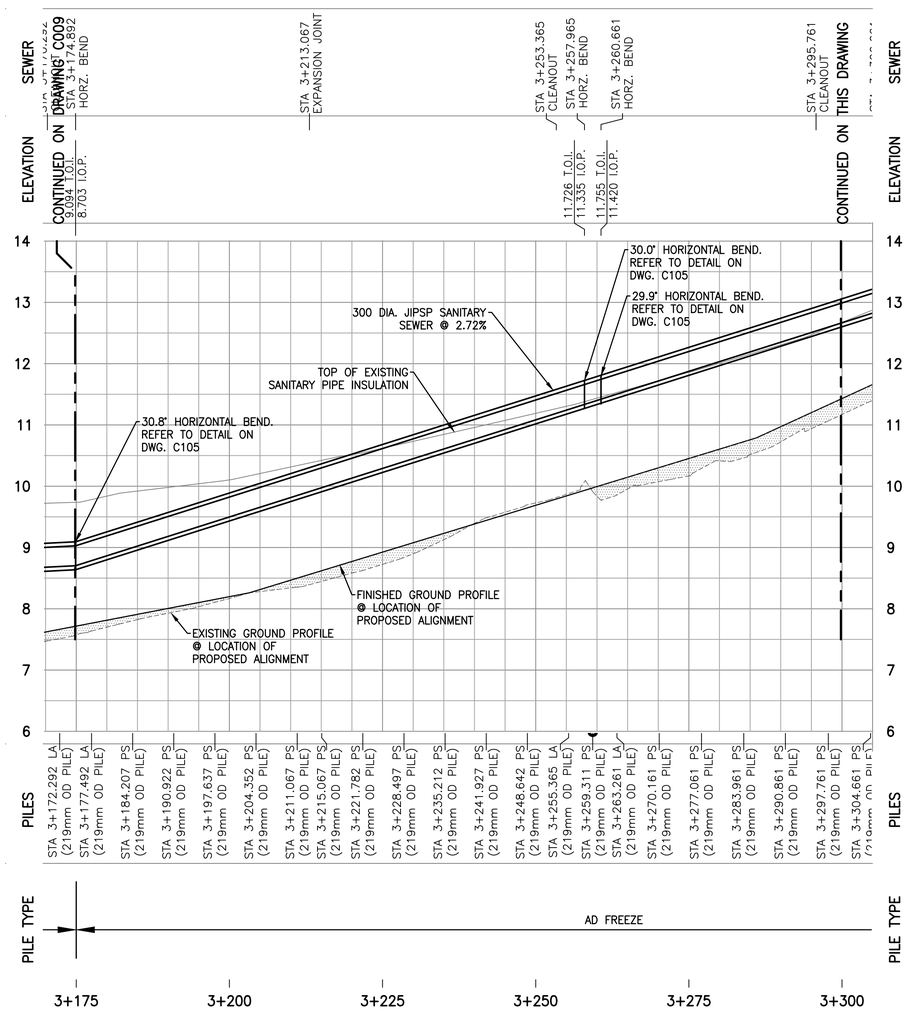
7. ALL DISTANCES ARE IN METRES UNLESS OTHERWISE NOTED.
8. ALL PIPE SIZES ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.

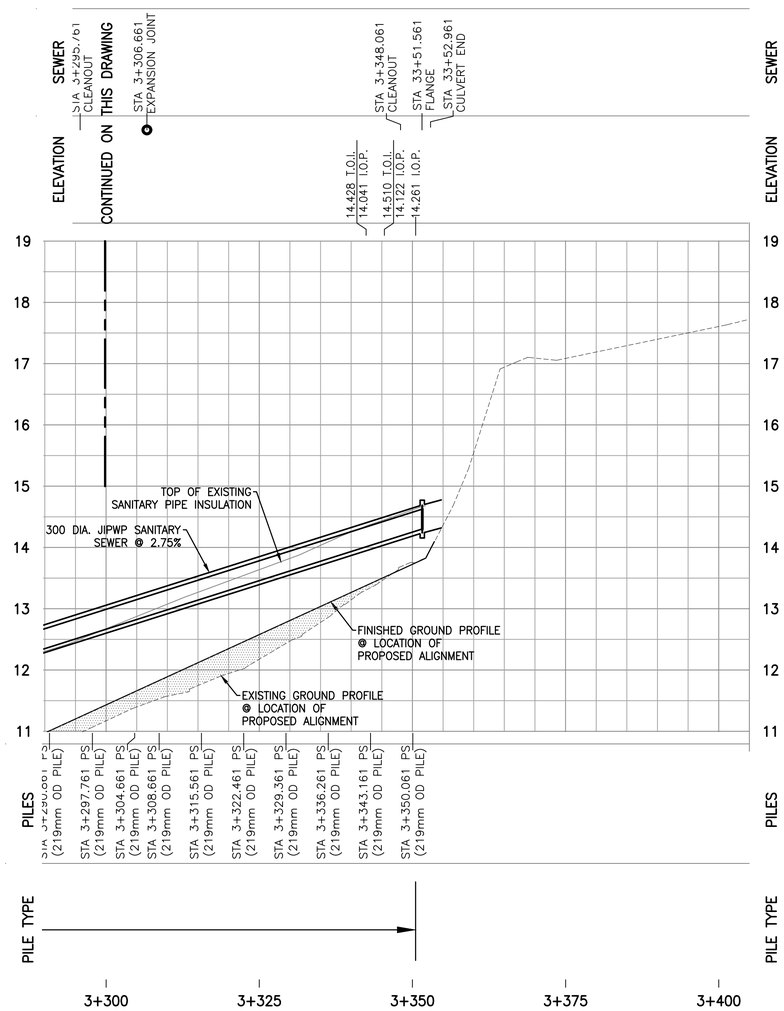
LEGEND

BLOCK LINE
LOT LINE
WORKING LIMITS

PROPOSED		EXISTING
	EDGE OF ROAD	
	GAS LINE	
	POWER (ABOVE)	
	POWER (UNDER)	
	SANITARY SEWER	
	WATER LINE	
	BEND (HORIZONTAL)	
	BEND (VERTICAL)	
	BUILDING	
	CULVERT	
	CLEAN OUT	
	EXPANSION JOINT	
	FLANGED CONNECTION	
	LINE ANCHOR	
	PILE	
	POWER POLE	
	POWER POLE ANCHOR	
	TYPE 1 SERVICE BOX	
	TYPE 2 SERVICE BOX	



SANITARY PROFILE
1:500H : 150V



SANITARY PROFILE
1:500H : 150V

1:10000 0 100 300 500m
1:500H 0 5 15 25m
1:50V 0 0.5 1.5 2.5m

Revision	By	Appd.	YY.MM.DD
D GWICHIN LAND AND WATER BOARD REVIEW	M.C.M.	D.C.	18.01.23
C ADDENDUM	M.C.M.	D.C.	17.09.15
B TENDER	M.C.M.	D.C.	17.08.28
A FOR CLIENT REVIEW	M.C.M.	D.C.	17.07.20
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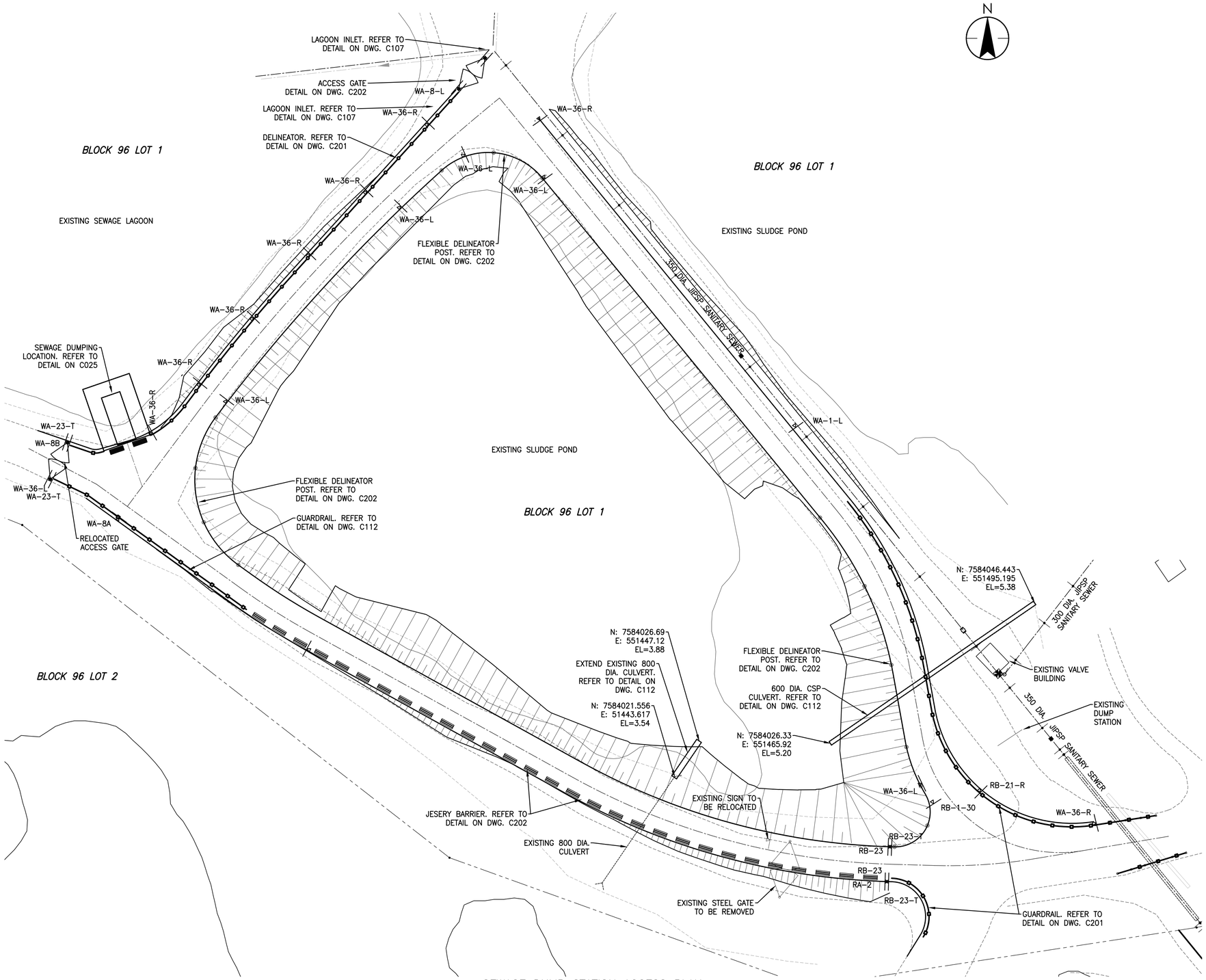
SANITARY OUTFALL REHABILITATION
2 Firth Street Inuvik, Northwest Territories/Canada

File Name: C010.dwg
A.J.M. Dwn. | D.C. Chkd. | M.C.M. Dsgn. | 17.01.06 YY.MM.DD

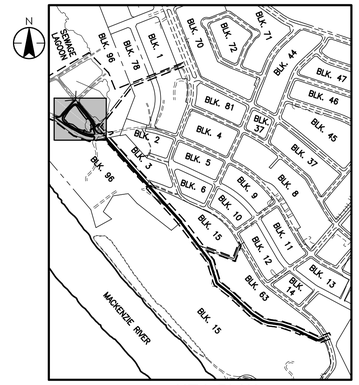
Title
PROVISIONAL SANITARY PLAN AND PROFILE
STA. 3+000 TO 3+225

Project No. 1101-26100
Scale AS SHOWN
Drawing No. C010
Sheet of
Revision 0

\\Ca1001-c2001-shared_projects\110126100\drafting\drawings\current\C010.dwg
2018/01/23 8:50 AM By: Pham, Trat
ORIGINAL SHEET - ISO A1



SEWAGE DUMP STATION ACCESS PLAN
1:300



KEY PLAN
1:10000

NOTES

1. ELEVATIONS ARE GEODETIC. REFERENCED TO EXISTING BENCHMARKS IN _____ OR _____. CONFIRM ELEVATIONS OF EXISTING PIPES AT TIE-IN POINTS BEFORE INSTALLING.
2. WARNING: DETERMINE LOCATIONS OF UNDERGROUND GAS PIPING AND TELEPHONE LINES DIRECT FROM RESPECTIVE UTILITIES BEFORE START OF ANY CONSTRUCTION.
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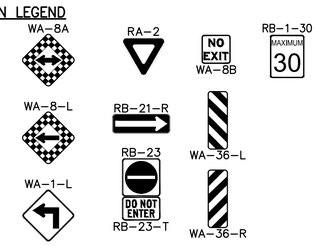
6. REFER TO DRAWINGS C1__ TO C1__ FOR UTILITY DETAILS
7. ALL DISTANCES ARE IN METRES UNLESS OTHERWISE NOTED.
8. ALL PIPE SIZES ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
9. ALL ROAD SIDE SLOPE TO EXISTING GROUND ARE 3H:1V UNLESS OTHERWISE NOTED.

LEGEND

- WORKING LIMIT
- PROPERTY LINES
- EXISTING LEGAL PIN
- EXISTING ROAD EDGE
- PROPOSED ROAD EDGE
- EXISTING BUILDING
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- EXISTING OVERHEAD POWER CABLE
- CULVERT
- LINE ANCHOR
- PILE
- POWER POLE

SIGN LEGEND



1:300 0 3 9 15m

Revision	By	Appd.	YY.MM.DD
D GWICHIN LAND AND WATER BOARD REVIEW	M.C.M.	D.C.	18.01.23
C ADDENDUM	M.C.M.	D.C.	17.09.15
B TENDER	M.C.M.	D.C.	17.08.28
A FOR CLIENT REVIEW	M.C.M.	D.C.	17.07.20
Issued	By	Appd.	YY.MM.DD

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2 Firth Street Inuvik, Northwest Territories/Canada

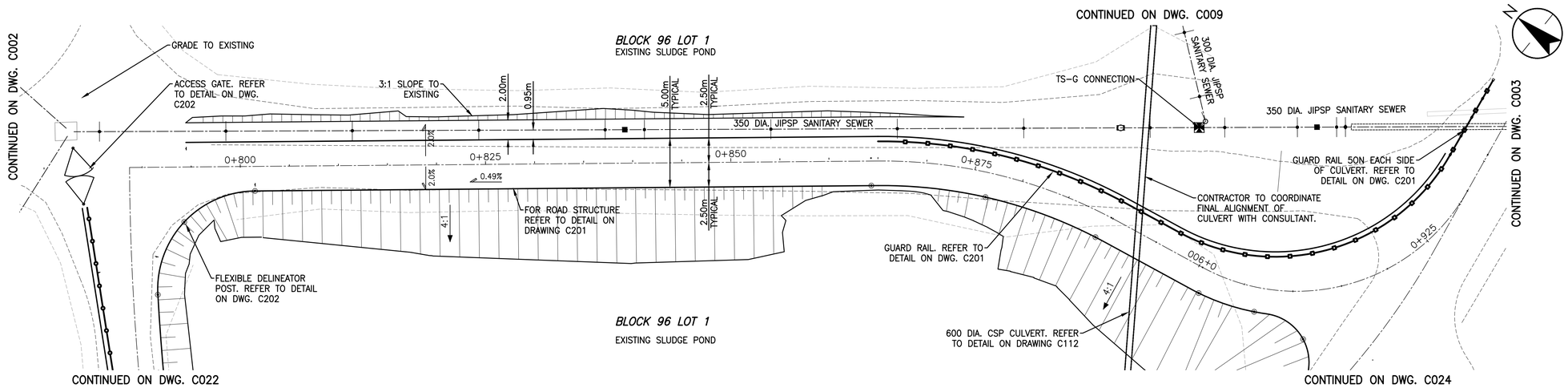
File Name: C020.dwg	A.J.M.	D.C.	M.C.M.	17.01.06
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Title
SEWAGE DUMP SITE
ROAD LAYOUT AND SIGN LOCATION

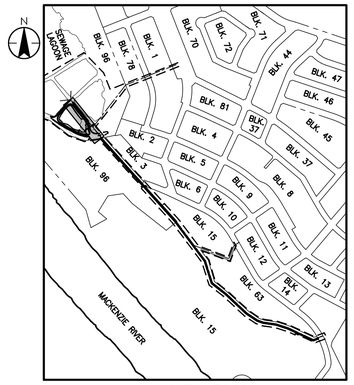
Project No. 1101-26100
Scale AS SHOWN
Drawing No. C020
Sheet of
Revision 0

\\ca0100\ca-c200\shared_projects\110126100\drafting\drawings\current\C020.dwg
2018/07/23 8:51 AM By: Pinak, Pat

ORIGINAL SHEET - ISO A1



SEWAGE DUMP ACCESS ROAD PLAN
1:250H



KEY PLAN
1:10000

NOTES

1. ELEVATIONS ARE GEODETIC. REFERENCED TO EXISTING BENCHMARKS O24, O28 AND O34. CONFIRM ELEVATIONS OF EXISTING PIPES AT TIE-IN POINTS BEFORE INSTALLING.
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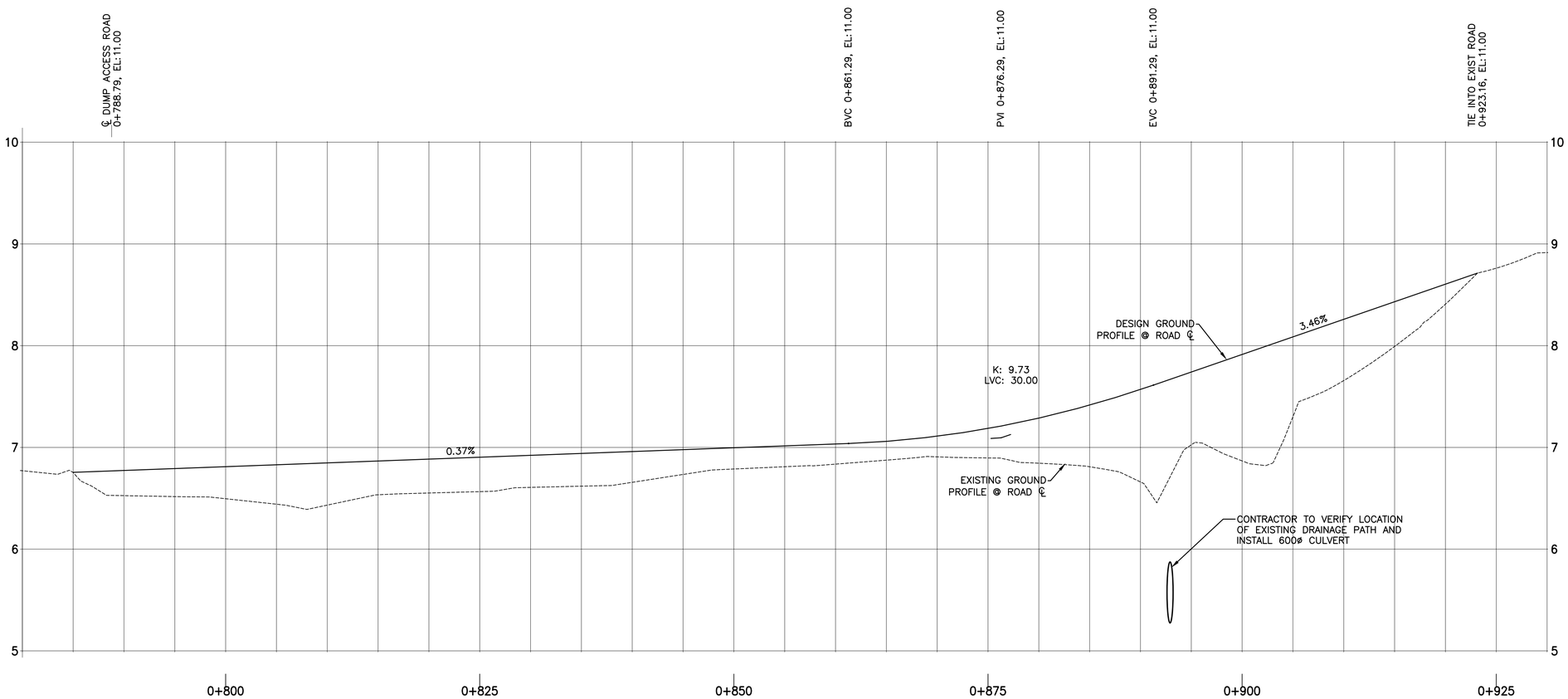
9. ALL ROAD SIDE SLOPES ARE 3H:1V UNLESS OTHERWISE NOTED.

LEGEND

BLOCK LINE
LOT LINE
WORKING LIMITS

PROPOSED		EXISTING
	EDGE OF ROAD	
G	GAS LINE	G
P-O/H	POWER (ABOVE)	P-O/H
P	POWER (UNDER)	P
S	SANITARY SEWER	S
W	WATER LINE	W
HB	BEND (HORIZONTAL)	HB
VB	BEND (VERTICAL)	VB
	BUILDING	
	CULVERT	
CO	CLEAN OUT	CO
EJ	EXPANSION JOINT	EJ
F	FLANGED CONNECTION	F
LA	LINE ANCHOR	LA
	PILE	
PP	POWER POLE	PP
	POWER POLE ANCHOR	
SB	TYPE 1 SERVICE BOX	SB
SB	TYPE 2 SERVICE BOX	SB



SEWAGE DUMP ACCESS ROAD PROFILE
1:250H : 1:25V

1:250H 0 2.5 7.5 12.5m
1:25V 0 0.25 0.75 1.25m

Revision	By	Appd.	YY.MM.DD
D GWICH'IN LAND AND WATER BOARD REVIEW	M.C.M.	D.C.	18.01.23
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2 Firth Street Inuvik, Northwest Territories/Canada

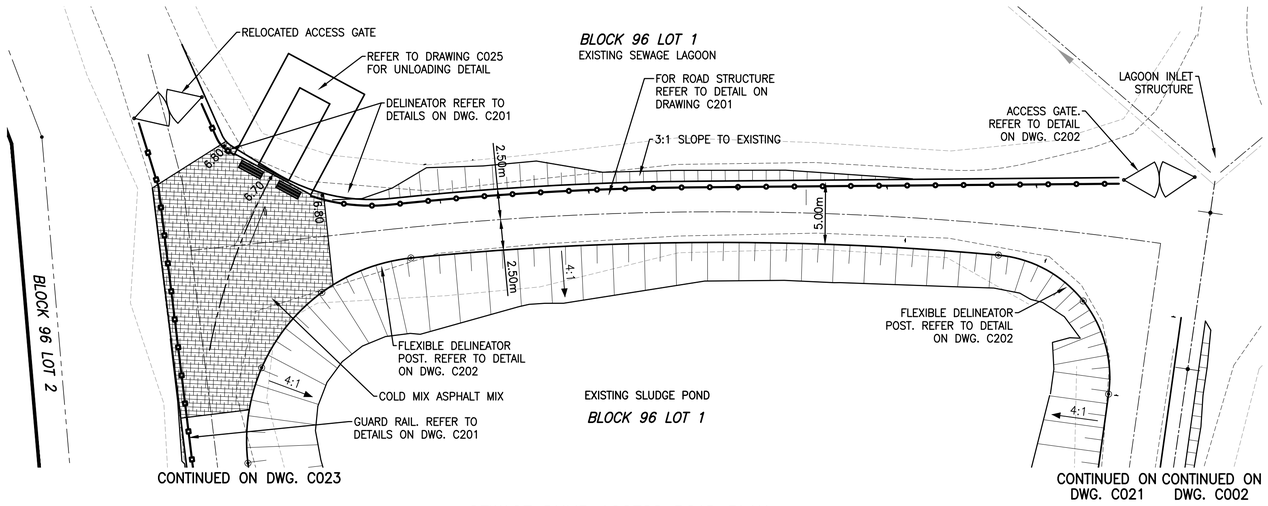
File Name: C021.dwg | A.J.M. Dwn. | D.C. Chkd. | M.C.M. Dsgn. | 17.01.06 YY.MM.DD

Title
SEWAGE DUMP
ACCESS ROAD PLAN AND PROFILE
STN.0+825 TO STN. 1+000

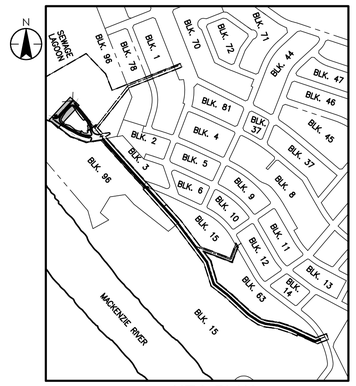
Project No. 1101-26100
Scale AS SHOWN
Drawing No. C021
Sheet of
Revision 0

\\cd1001-c009.stanad.projects\110126100\drafting\drawings\current\C021.dwg
2018/01/23 8:53 AM By: Pham, Paul

ORIGINAL SHEET - ISO A1



SEWAGE DUMP ACCESS ROAD PLAN
1:250H



KEY PLAN
1:10000

NOTES

1. ELEVATIONS ARE GEODETIC. REFERENCED TO EXISTING BENCHMARKS O24, O28 AND O34. CONFIRM ELEVATIONS OF EXISTING PIPES AT TIE–IN POINTS BEFORE INSTALLING.
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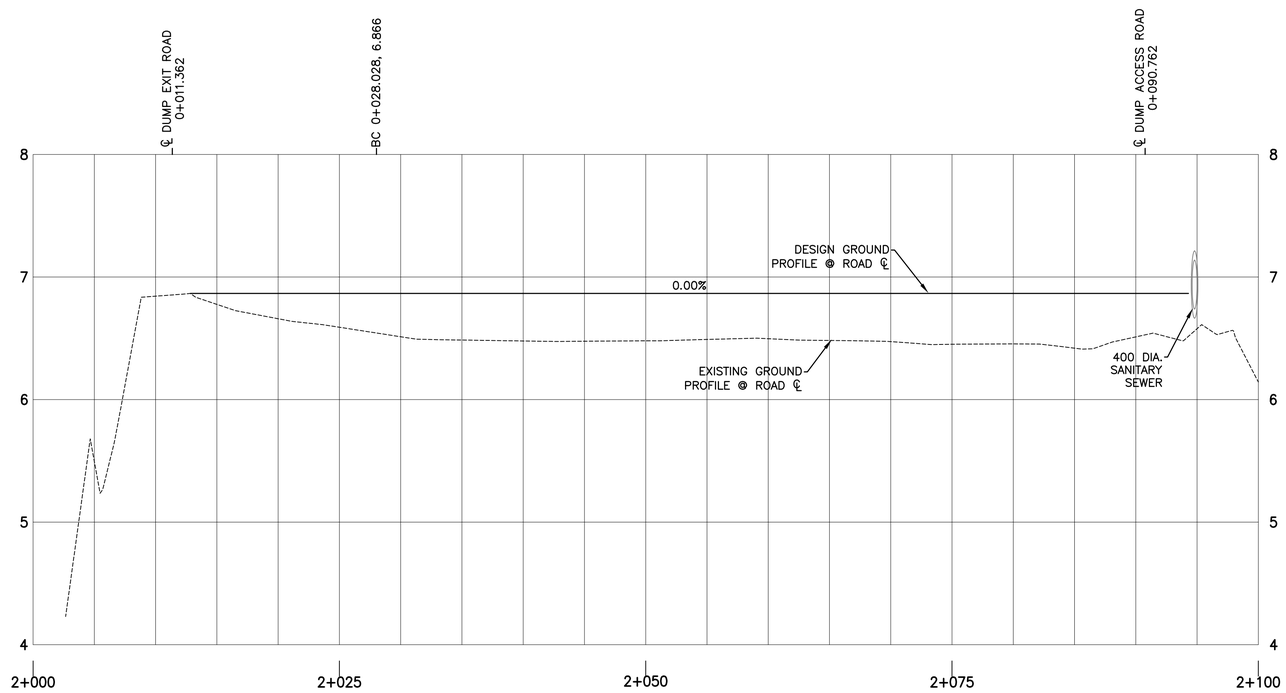
6. REFER TO DRAWINGS C1__ TO C1__ FOR UTILITY DETAILS
7. ALL DISTANCES ARE IN METRES UNLESS OTHERWISE NOTED.
8. ALL PIPE SIZES ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
9. ALL ROAD SIDE SLOPES ARE 3H:1V TO EXISTING GROUND UNLESS OTHERWISE NOTED.



SEWAGE DUMP ACCESS ROAD PROFILE
1:250H : 1:25V

LEGEND

BLOCK LINE
LOT LINE
WORKING LIMITS

PROPOSED		EXISTING
	EDGE OF ROAD	
	GAS LINE	
	POWER (ABOVE)	
	POWER (UNDER)	
	SANITARY SEWER	
	WATER LINE	
	BEND (HORIZONTAL)	
	BEND (VERTICAL)	
	BUILDING	
	CULVERT	
	CLEAN OUT	
	EXPANSION JOINT	
	FLANGED CONNECTION	
	LINE ANCHOR	
	PILE	
	POWER POLE	
	POWER POLE ANCHOR	
	TYPE 1 SERVICE BOX	
	TYPE 2 SERVICE BOX	

1:10000 0 100 300 500m
1:250H 0 2.5 7.5 12.5m
1:25V 0 0.25 0.75 1.25m

Revision	By	Appd.	YY.MM.DD
D GWICH'IN LAND AND WATER BOARD REVIEW	M.C.M.	D.C.	18.01.23
C ADDENDUM	M.C.M.	D.C.	17.09.15
B TENDER	M.C.M.	D.C.	17.08.28
A FOR CLIENT REVIEW	M.C.M.	D.C.	17.07.20
Issued	By	Appd.	YY.MM.DD

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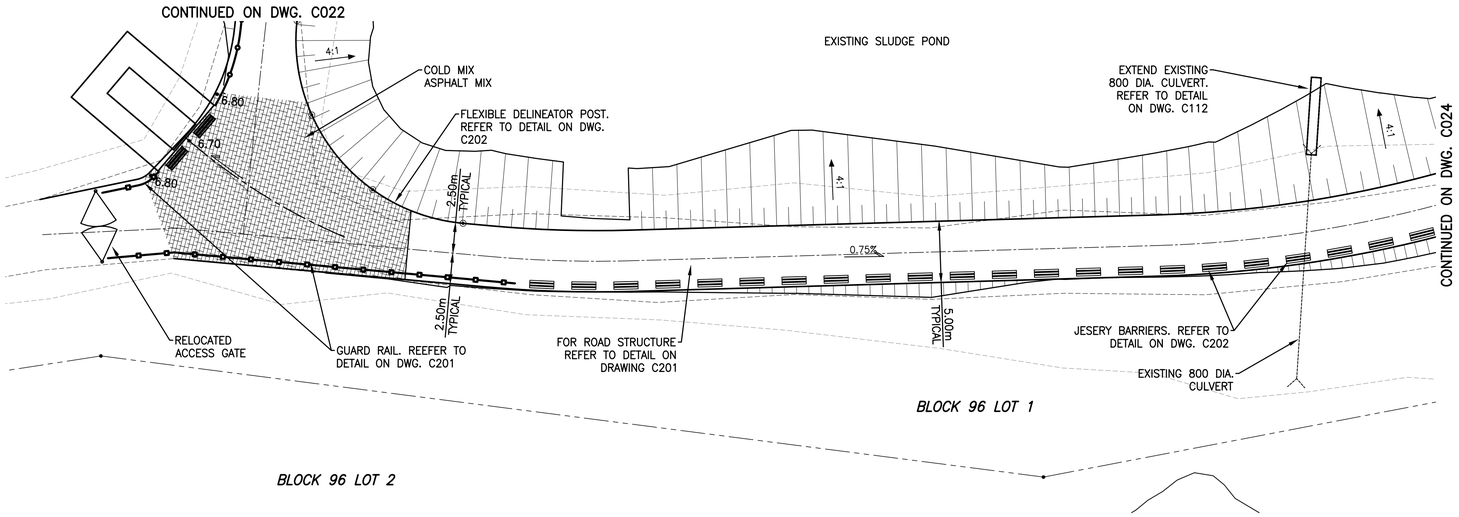
TOWN OF INUVIK, NT
SANITARY OUTFALL REHABILITATION
2 Firth Street Inuvik, Northwest Territories/Canada

File Name: C022.dwg	A.J.M.	D.C.	M.C.M.	17.01.06
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

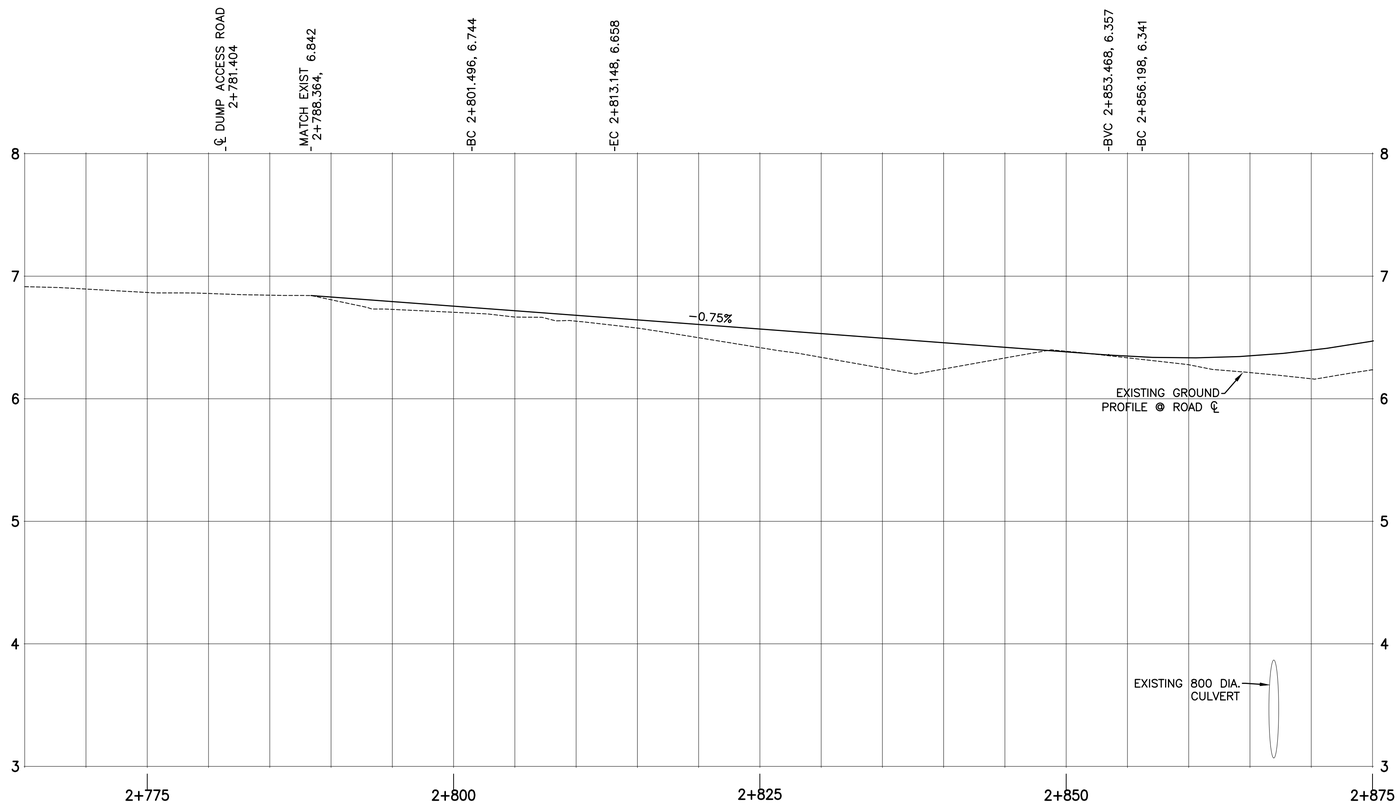
Title
SEWAGE DUMP
ACCESS ROAD PLAN AND PROFILE
STN. 2+000 TO STN. 2+100

Project No. 1101-26100
Scale AS SHOWN
Drawing No. C022
Sheet of
Revision 0

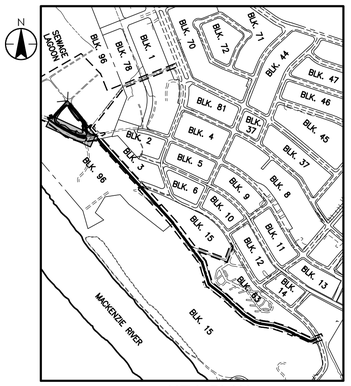
\\ca1001-c200.stanad.projects\110126100\drafting\drawings\current\C022.dwg
2018/01/23 8:53 AM By: Pham, Yul
ORIGINAL SHEET - ISO A1



SEWAGE DUMP EXIT ROAD PLAN
1:250H



SEWAGE DUMP EXIT ROAD PROFILE
1:250H : 1:25V



KEY PLAN
1:10000

NOTES

1. ELEVATIONS ARE GEODETIC. REFERENCED TO EXISTING BENCHMARKS O24, O28 AND O34. CONFIRM ELEVATIONS OF EXISTING PIPES AT TIE–IN POINTS BEFORE INSTALLING.
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9. ALL ROAD SIDE SLOPES ARE 3H:1V TO EXISTING GROUND UNLESS OTHERWISE NOTED.

LEGEND

- PROJECT BOUNDARY
- PROPERTY LINES
- EXISTING LEGAL PIN
- EXISTING ROAD EDGE
- PROPOSED ROAD EDGE
- EXISTING BUILDING
- EXISTING MANHOLE
- PROPOSED MANHOLE
- EXISTING WATER LINE
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- PP POWER POLE
- CULVERT

1:250H 0 2.5 7.5 12.5m
1:25V 0 0.25 0.75 1.25m

Revision	By	Appd.	YY.MM.DD
D GWICHIN LAND AND WATER BOARD REVIEW	M.C.M.	D.C.	18.01.23
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B TENDER	M.C.M	D.C.	17.08.28
A FOR CLIENT REVIEW	M.C.M.	D.C.	17.07.20
Issued	By	Appd.	YY.MM.DD

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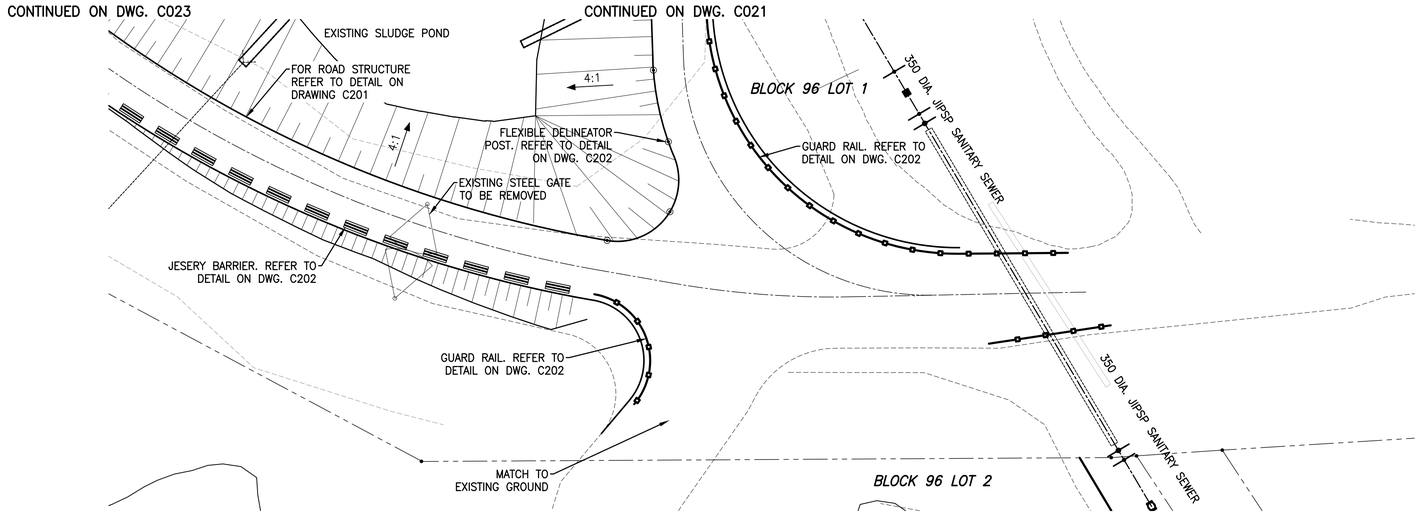
File Name: C023.dwg
A.J.M. Dwn. | D.C. Chkd. | M.C.M. Dsgn. | 17.01.06 YY.MM.DD

Title
SEWAGE DUMP
EXIT ROAD PLAN AND PROFILE
STN. 2+765 TO STN. 2+875

Project No. 1101-26100
Scale AS SHOWN
Drawing No. C023
Sheet of
Revision 0

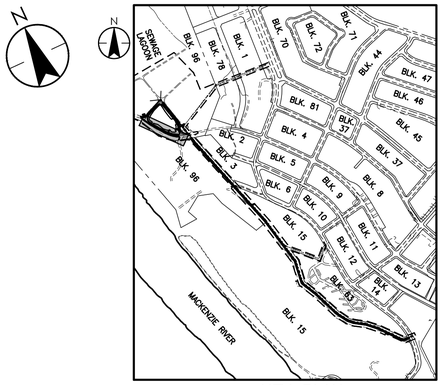
\\ca1001-c2001\shared_projects\110126100\drafting\drawings\current\C023.dwg
2018/01/23 8:54 AM By: Pham, Tri

ORIGINAL SHEET - ISO A1



SEWAGE DUMP EXIT ROAD PLAN

1:250H



KEY PLAN

1:10000

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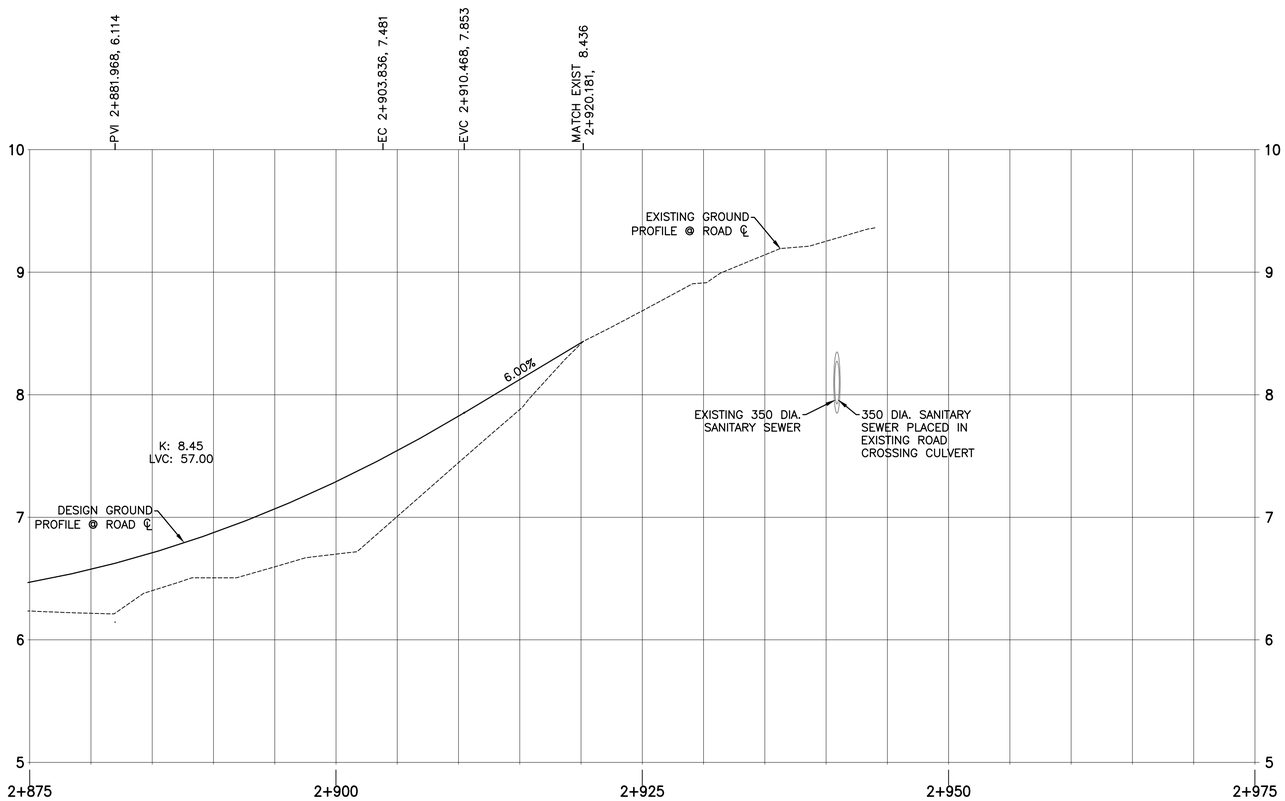
LEGEND

- PROJECT BOUNDARY
- PROPERTY LINES
- EXISTING LEGAL PIN
- EXISTING ROAD EDGE
- PROPOSED ROAD EDGE
- EXISTING BUILDING
- EXISTING MANHOLE
- PROPOSED MANHOLE
- EXISTING WATER LINE
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- PP POWER POLE
- CULVERT



SEWAGE DUMP EXIT ROAD PROFILE

1:250H : 1:25V

1:250H 0 2.5 7.5 12.5m
1:25V 0 0.25 0.75 1.25m

Revision		By	Appd.	YY.MM.DD
D	GWICHIN LAND AND WATER BOARD REVIEW	M.C.M.	D.C.	18.01.23
C	ADDENDUM	M.C.M	D.C.	17.09.15
B	TENDER	M.C.M	D.C.	17.08.28
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File Name: C024.dwg

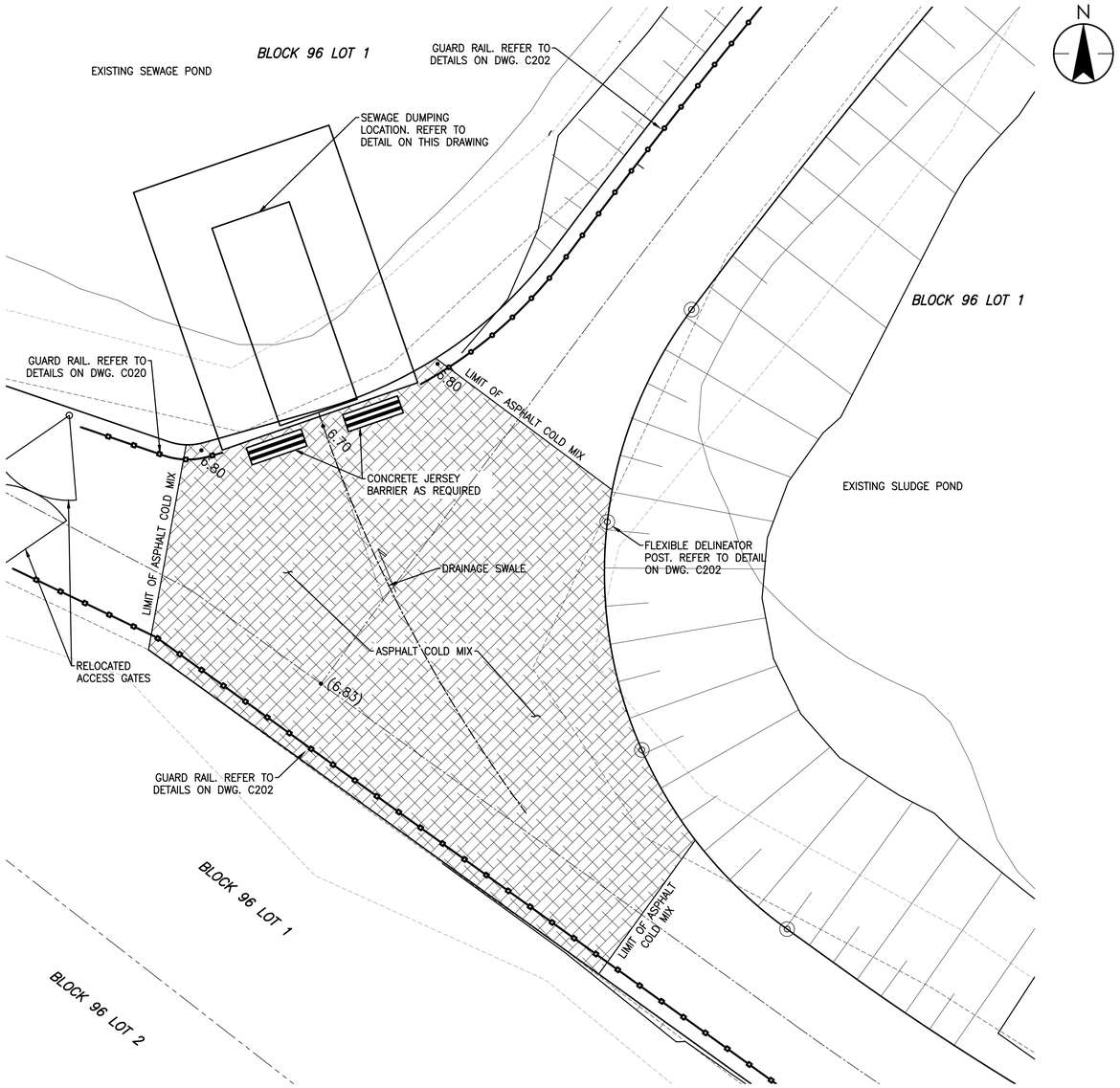
A.J.M.	D.C.	M.C.M.	17.01.06
Dwn.	Chkd.	Dsgn.	YY.MM.DD

Title
SEWAGE DUMP
EXIT ROAD PLAN AND PROFILE
STN. 2+875 TO STN. 2+925

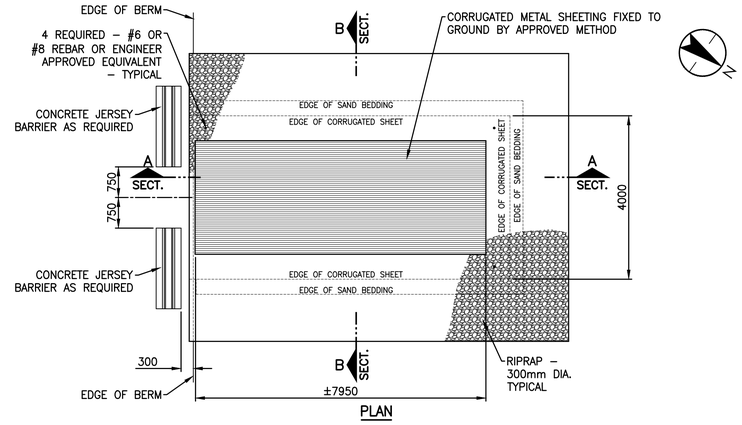
Project No. 1101-26100
Scale AS SHOWN
Drawing No. C024
Sheet of
Revision 0

\\cd1021-c200-dcnsd_projects\1101\26100\drafting\drawings\current\C024.dwg
2018(01)23 8:55 AM By: Pham, Paul

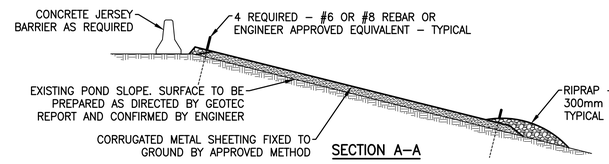
ORIGINAL SHEET - ISO A1



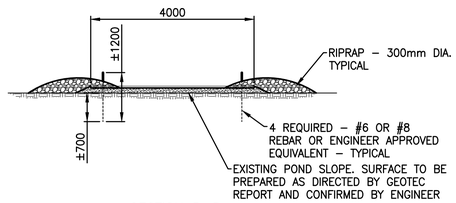
DUMP STATION LAYOUT PLAN
1:100



PLAN

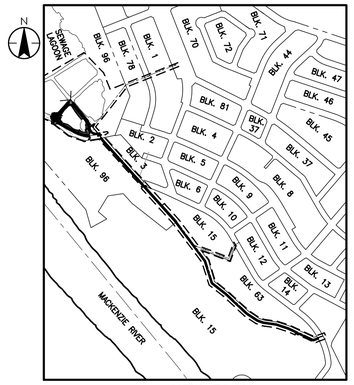


SECTION A–A



SECTION B–B

SEWAGE DUMP DETAIL
1:75



KEY PLAN
1:10000

NOTES

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8. ALL PIPE SIZES ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.

1:10000 — 0, 100, 300, 500m
1:100 — 0, 1, 3, 5m
1:75 — 0, 0.75, 2.25, 3.75m

Revision	By	Appd.	YY.MM.DD
D GWICH'IN LAND AND WATER BOARD REVIEW	M.C.M.	D.C.	18.01.23
C ADDENDUM	M.C.M.	D.C.	17.09.15
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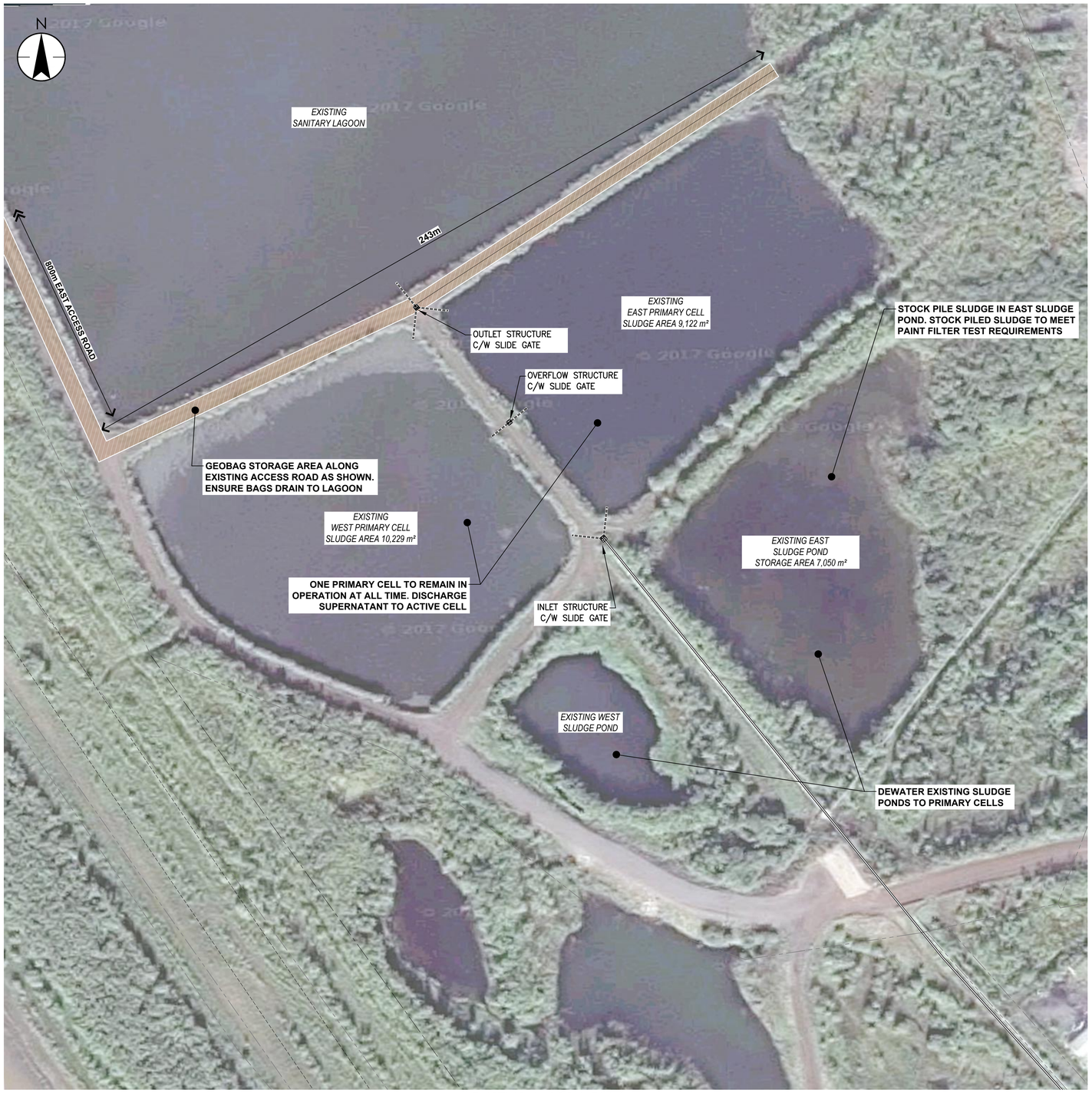
File Name: C025.dwg

A.J.M.	D.C.	M.C.M.	17.01.06
Dwn.	Chkd.	Dsgn.	YY.MM.DD

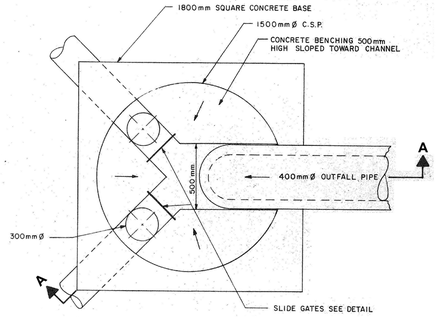
Title
SEWAGE DUMP SITE
LAYOUT PLAN AND DETAILS

Project No. 1101-26100
Scale AS SHOWN
Drawing No. C025
Sheet of
Revision 0

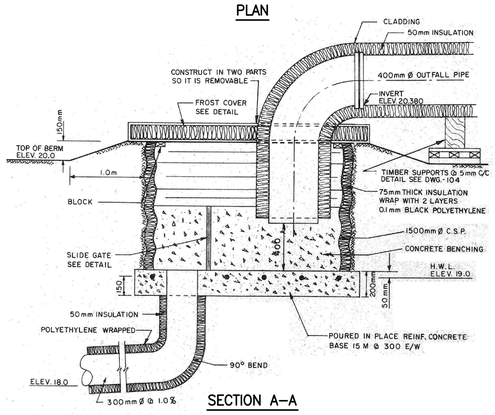
\\Ca0101-c200-shared_projects\110126100\drafting\drawings\current\C025.dwg
2018(01)23 8:55 AM By: Pham, Paul
ORIGINAL SHEET - ISO A1



EXISTING LAGOON PLAN
1:750

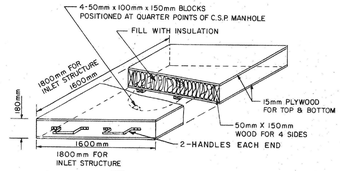


PLAN

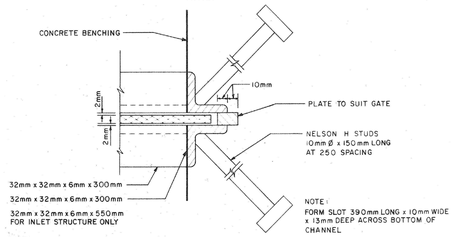


SECTION A–A

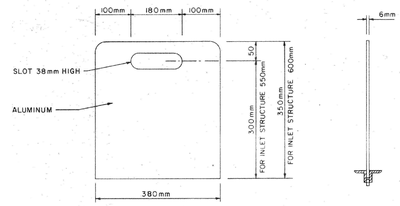
INLET STRUCTURE DETAIL
N.T.S.



FROST COVER DETAIL
N.T.S.

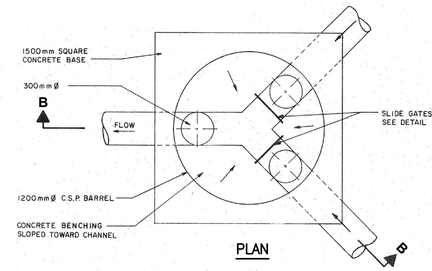


SLOT DETAIL

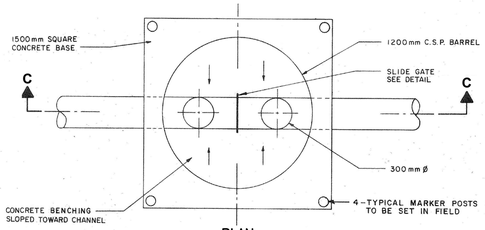


GATE DETAIL

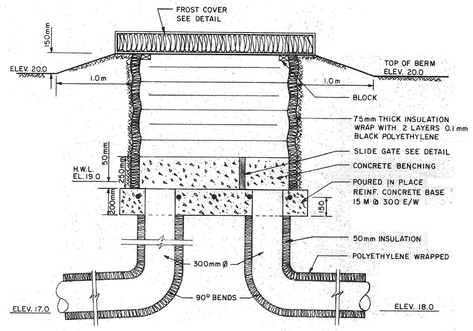
SLIDE GATE DETAIL
N.T.S.



PLAN

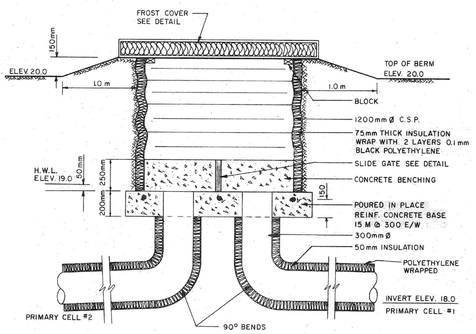


PLAN



SECTION B–B

OUTLET STRUCTURE DETAIL
N.T.S.



SECTION C–C

OVERFLOW STRUCTURE DETAIL
N.T.S.

0			
Revision	By	Appd.	YY.MM.DD
B GWICHIN LAND AND WATER BOARD REVIEW	M.C.M.	D.C.	18.01.23
A ADDENDUM	M.C.M.	D.C.	17.09.15
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2 Firth Street Inuvik, Northwest Territories/Canada

File Name: C026.dwg	P.T.P.	D.C.	M.C.M.	17.09.05
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Title
EXISTING SEWAGE TREATMENT FACILITY STRUCTURES AND DESLUDGING DETAILS

Project No.	Scale	
1101-26100	AS SHOWN	
Drawing No.	Sheet	Revision
C026	of	0

\\cd1001-c001\shared_projects\110126100\drafting\drawings\current\C026.dwg
2018/01/23 8:56 AM By: Pham, Paul

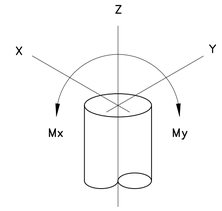
ORIGINAL SHEET - ISO A1

GENERAL

1. ALL DIMENSIONS ARE IN MILLIMETRES, ALL ELEVATIONS ARE IN METRES (PLANT) UNLESS NOTED OTHERWISE.
2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE ALBERTA BUILDING CODE AND THE PROJECT CONSTRUCTION SPECIFICATIONS.
3. CONTRACTOR SHALL CONSULT THE COMPANY'S CONSTRUCTION SUPERVISOR FOR EXACT LOCATION OF EXISTING BURIED FACILITIES SUCH AS PIPING, CONDUITS, AND CABLES BEFORE THE START OF ANY CONSTRUCTION. HAND OR WATER WASH EXCAVATION AROUND THESE FACILITIES IS REQUIRED IN ALL CASES.
4. ADDITIONAL MEMBERS REQUIRED BY THE CONTRACTOR AND NOT SHOWN ON THE DESIGN DRAWINGS SHALL BE DESIGNED, SUPPLIED, FABRICATED AND INSTALLED BY PRIME CONTRACTOR TO COMPANY REPRESENTATIVE'S SATISFACTION UNLESS OTHERWISE SHOWN ON DRAWINGS.

NOTES:

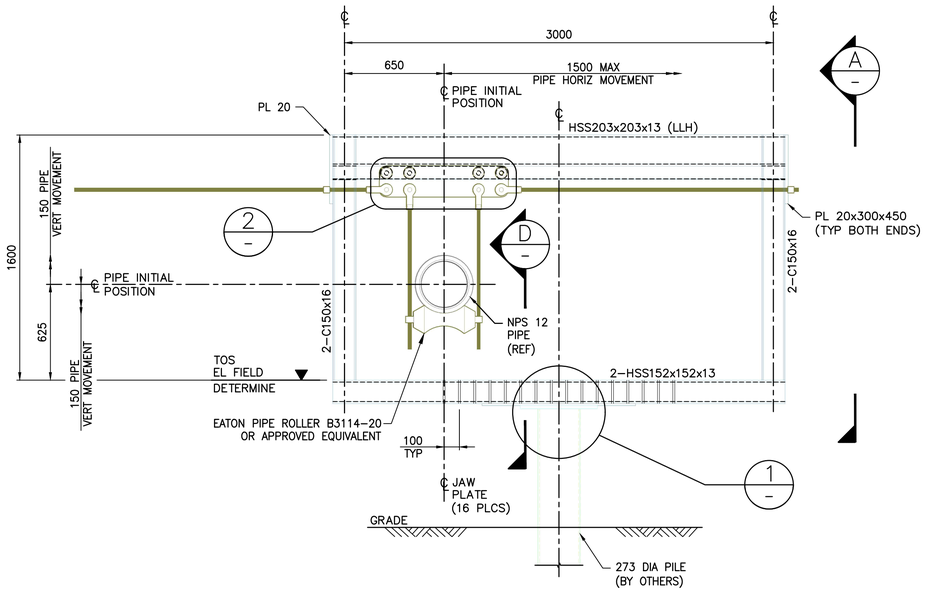
1. GRADE ELEVATION IS BASED ON 1.5m BELOW CENTER OF PIPE IN ITS INITIAL POSITION.
2. PIPE SUPPORT SHALL BE FIELD LOCATED.
3. MAXIMUM UNFACTORED FORCES AND MOMENTS AT THE TOP OF PILE:
   Fx = 1kN
   Fy = 15kN
   Fz = 46 kN
   Mx = 11kN–m
   My = 30kN–m
   Mz = 11.25kN–m
4. PIPE SUPPORT DESIGNED FOR 15kN ANCHOR FORCE. 39.1kN VERTICAL PIPE LOAD AND 0.61kN TRANSVERSE WIND LOAD.



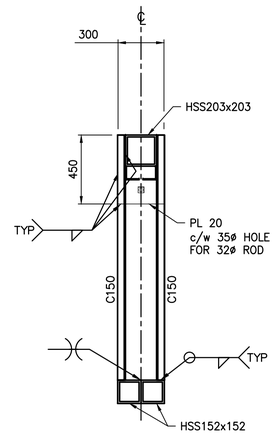
PILE LOADING ORIENTATION DIAGRAM

STRUCTURAL STEEL

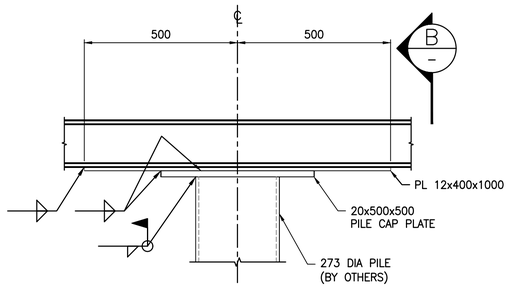
1. STRUCTURAL STEEL MATERIALS:
   - W, WT AND HSS – CSA G40.21–M, GRADE 350W
   - ANGLE, PLATE AND CHANNEL – CSA G40.21–M, GRADE 300W
   - PIPE (GUARDRAIL AND HANDRAIL) – ASTM, A53 TYPE E GRADE B AND/OR ASTM A500 GRADE B
   - HIGH STRENGTH BOLTS, NUTS AND WASHERS – ASTM A325
   - BOLTS FOR MINOR CONNECTIONS – ASTM A307
   - WELDING ELECTRODES – CSA W48 E49XX
2. WELDING SHALL BE IN ACCORDANCE WITH CSA W59 WELDED STEEL CONSTRUCTION.
3. ALL COMPANIES AND WELDERS SHALL BE CERTIFIED IN ACCORDANCE WITH CSA W47.1 DIVISION 1 OR 2.
4. FILLET WELDS TO BE MINIMUM 6mm CONTINUOUS UNLESS NOTED OTHERWISE.



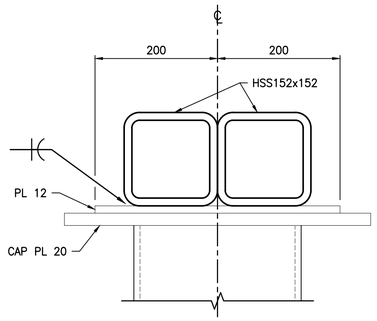
ELEVATION AT PIPE SUPPORT



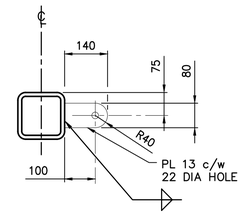
SECTION A (SIM 2 PLCS)



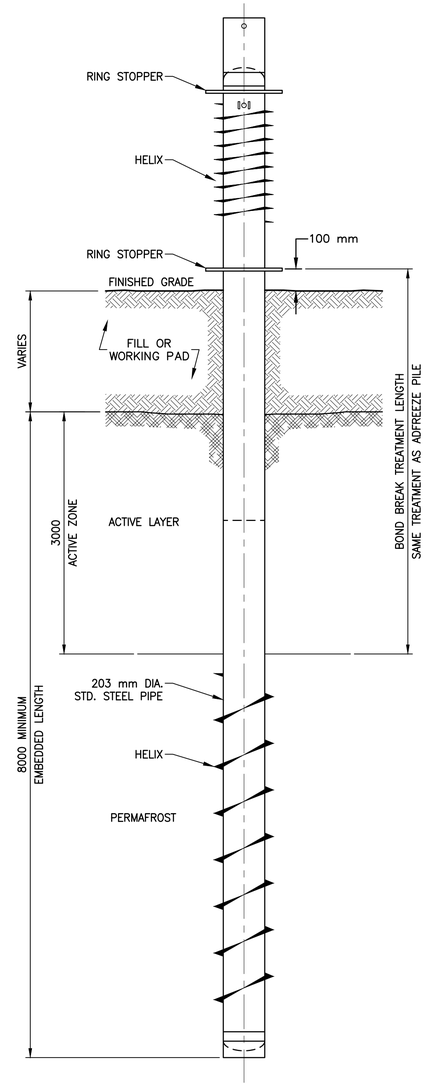
DETAIL 1
1:10



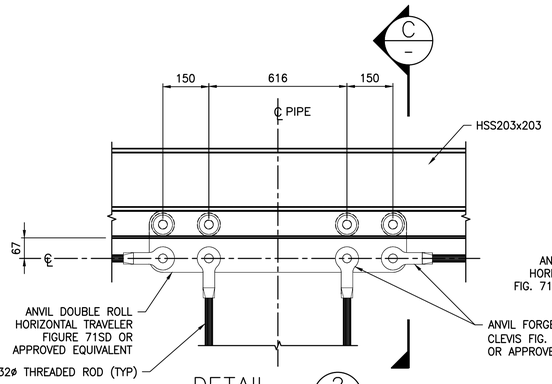
SECTION B
1:5



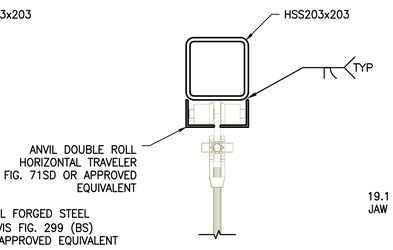
JAW PLATE DETAIL
1:10



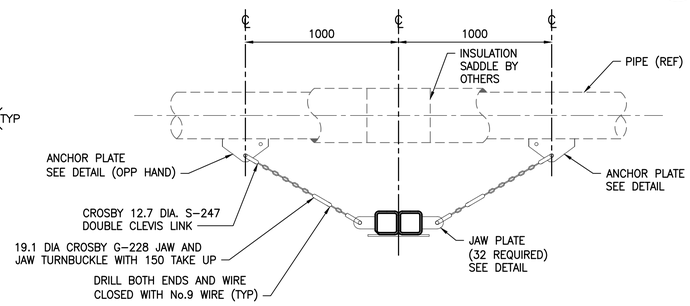
TYPICAL THERMO–HELIX PILE DETAIL
N.T.S.



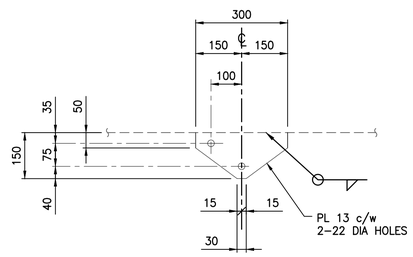
DETAIL 2
1:10



SECTION C
1:10



SECTION D



ANCHOR PLATE DETAIL
1:10

Revision		By	Appd.	YY.MM.DD
C	GWICHIN LAND AND WATER BOARD REVIEW	M.C.M.	D.C.	18.01.23
B	TENDER	M.C.M.	D.C.	17.08.28
A	FOR CLIENT REVIEW	A.M.R.	D.C.	17.08.25
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2 Firth Street Inuvik, Northwest Territories/Canada

File Name: C100.dwg

A.M.R.	J.C.	M.C.M.	17.01.06
Dwn.	Chkd.	Dsgn.	YY.MM.DD

Title
THERMOPILE PIPE SUPPORT AND LINE ANCHOR DETAIL

Project No. 1101-26100
Scale AS SHOWN
Drawing No. C100
Sheet of
Revision 0

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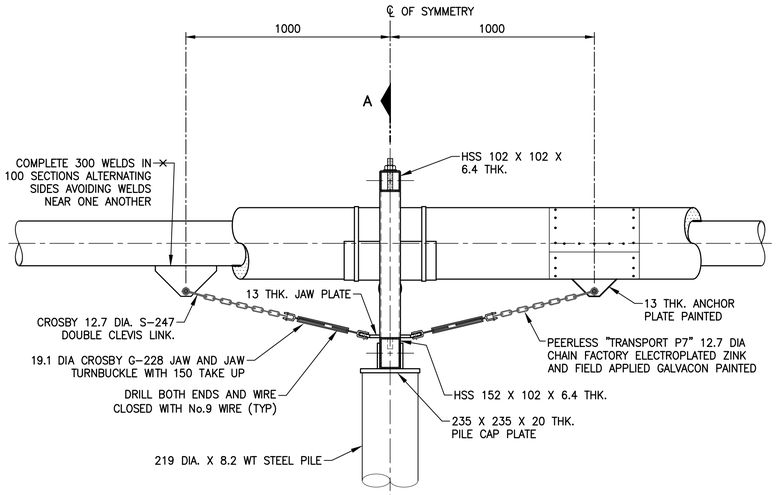
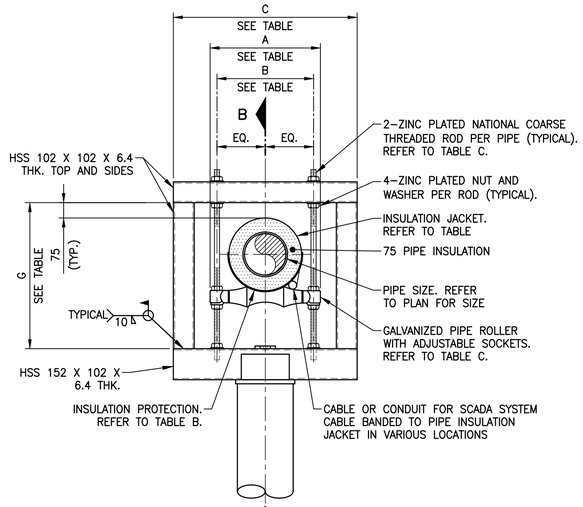
2018/07/23 8:54 AM By: Pham, Pat

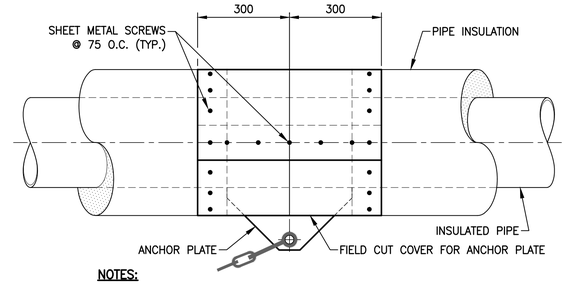
ORIGINAL SHEET - ISO A1



ELEVATION



SECTION A–A



NOTES:

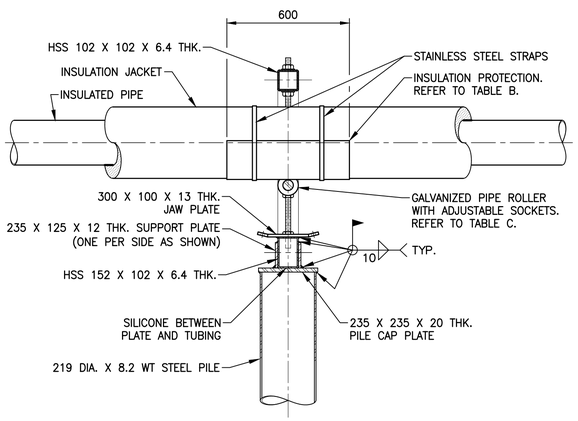
1. ANCHOR CHAINS NOT SHOWN FOR CLARITY.
2. REMOVE PIPE INSULATION 200 ON EACH SIDE OF CENTER OF ANCHOR PLATE AND REPLACE WITH 1/2 SECTION INSULATION.

TYPICAL ANCHOR PLATE COVER DETAIL

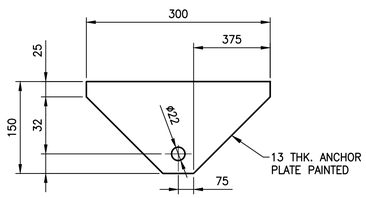
N.T.S.

GENERAL NOTE

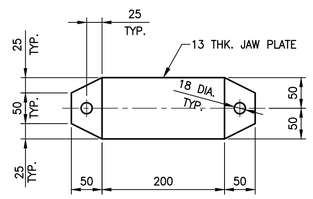
1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.



SECTION B–B



ANCHOR PLATE DETAIL



JAW PLATE DETAIL

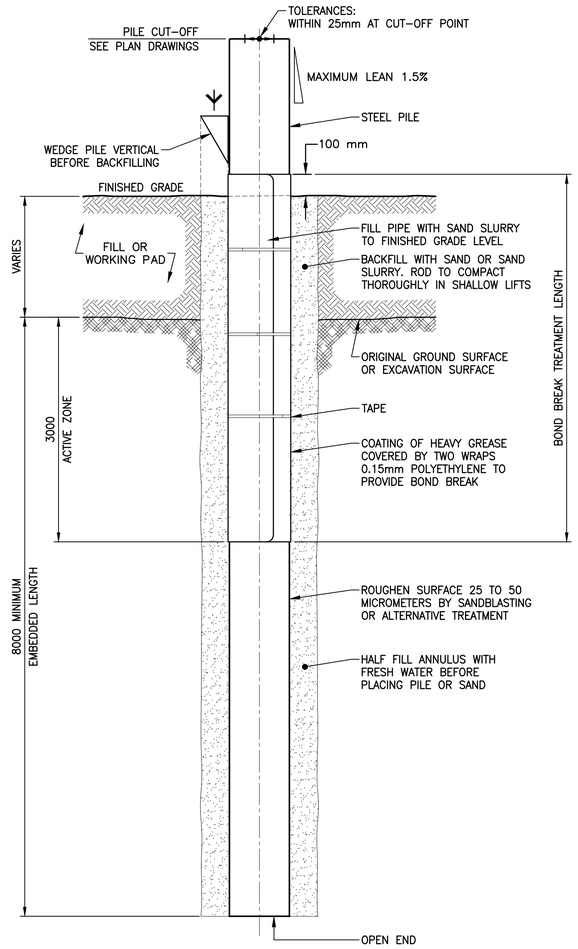
PIPE TABLE		
PIPE AND JACKET OD		
PIPE NOMINAL	PIPE ACTUAL	JACKET ACTUAL
100	114	273
150	168	324
200	219	356
250	273	406
300	324	457
350	355	508
400	406	559

PIPE SUPPORT FRAME TABLE				
PIPE SIZE	DIMENSION A	DIMENSION B	DIMENSION C	DIMENSION G
100	425	368	800	600
150	476	413	850	600
200	539	473	900	650
250	584	521	950	700
300	635	578	1000	750
350	764	679	1125	800
400	837	763	1200	850

PIPE HANGAR SYSTEM (MYATT) TABLE				
NOMINAL PIPE SIZE	NOMINAL INSULATION THICKNESS	MYATT INSULATION PROTECTION FLG 251S	MYATT PIPE ROLL FLG 261	HANGAR ROD DIAMETER
100	75	OD TABLE A	254 (10")	22 (7/8")
150	75	OD TABLE A	305 (12")	22 (7/8")
200	75	OD TABLE A	356 (14")	25 (1")
250	75	OD TABLE A	406 (16")	25 (1")
300	75	OD TABLE A	457 (18")	25 (1")
350	75	OD TABLE A	508 (20")	28 (1-1/8")
400	75	OD TABLE A	559 (22")	28 (1-1/8")

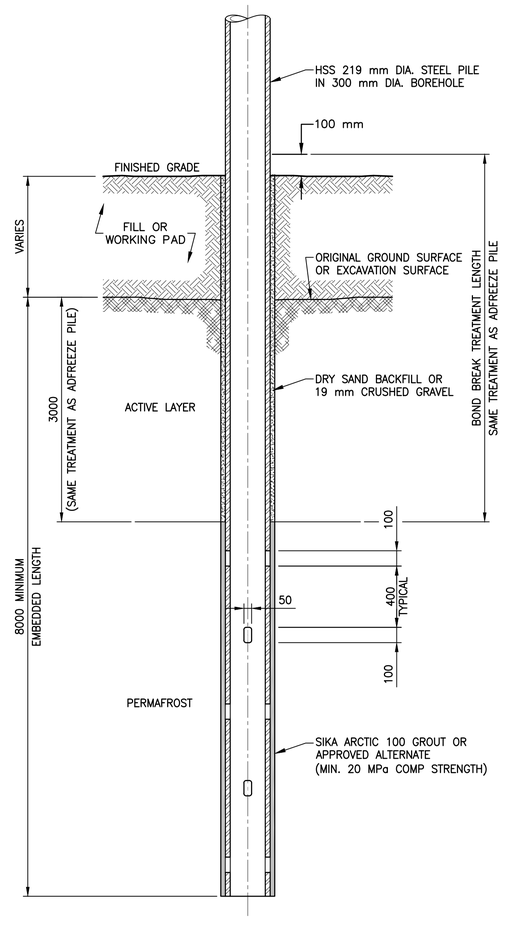
ONE (1) PIPE LINE ANCHOR (LA1) DETAIL

N.T.S.



TYPICAL ADFREEZE PILE INSTALLATION

N.T.S.



TYPICAL GROUTED STEEL PILE INSTALLATION

N.T.S.

Revision	By	Appd.	YY.MM.DD
C GWICHIN LAND AND WATER BOARD REVIEW	M.C.M.	D.C.	17.09.26
B TENDER	M.C.M.	D.C.	17.08.28
A FOR CLIENT REVIEW	M.C.M.	D.C.	17.07.20
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2 Firth Street Inuvik, Northwest Territories/Canada

File Name: C101.dwg	A.J.M.	D.C.	M.C.M.	17.01.06
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Title
PIPE SUPPORT PILE AND LINE ANCHOR DETAILS

Project No.	Scale	
1101-26100	N.T.S.	
Drawing No.	Sheet	Revision
C101	of	0

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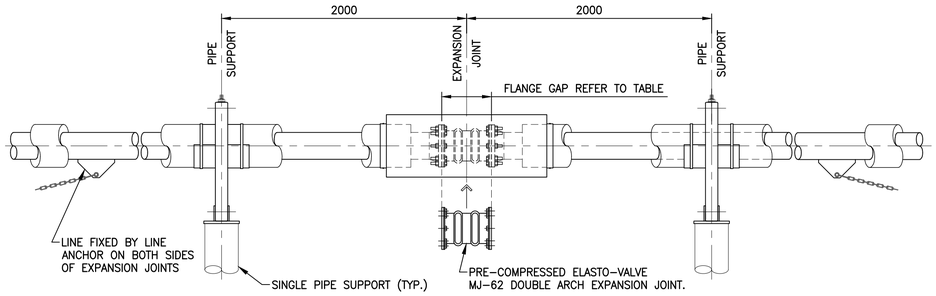
2018/01/23 8:56 AM By: Pham, Paul
ORIGINAL SHEET - ISO A1

GENERAL NOTE

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.



EXPANSION JOINT INSTALLATION DETAIL – ELEVATION

1:25

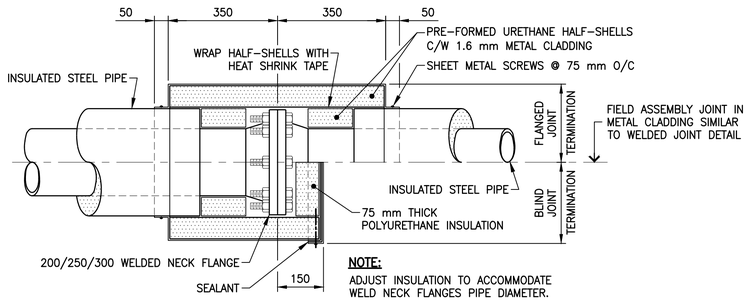
	ELONGATION	COMPRESSION					
PIPE TEMPERATURE (°C)	−55	−22.5	0	10	20	30	40	50
EXPANSION JOINT @ 406m FACE TO FACE REST LENGTH (mm)		406	382	372	361	350	340	
EXPANSION JOINT @ 305m FACE TO FACE REST LENGTH (mm)		305	281	270	260	249	239	
JOINT PRE-COMPRESSION FROM REST LENGTH (mm)		0	26	38	50	62	73	

NOTES:

1. SET FLANGE GAP FOR TEMPERATURE OF INSULATED PIPE, EMPTY: USE AVERAGE OF PRECEDING OVERNIGHT LOW AND HIGHEST TEMPERATURE SO FAR TODAY.
2. DIAGRAM IS FOR ELASTO-VALVE MJ-62 JOINT WITH MOVEMENT RANGE +38 TO −89 FROM REST.

COMPRESSION OF EXPANSION JOINT TO AMBIENT TEMPERATURE FLANGE GAP TABLE

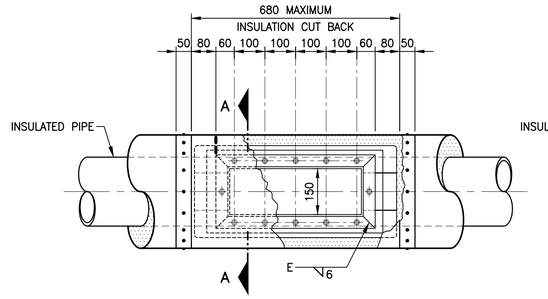
N.T.S.



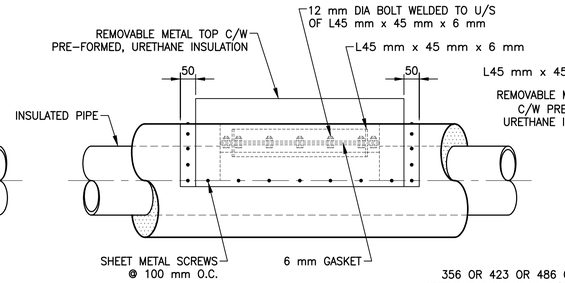
NOTE:
ADJUST INSULATION TO ACCOMMODATE WELD NECK FLANGES PIPE DIAMETER.

FLANGED JOINT DETAIL

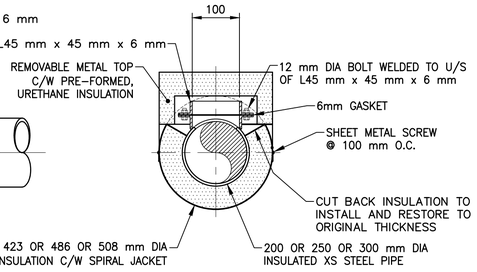
1:10



PLAN



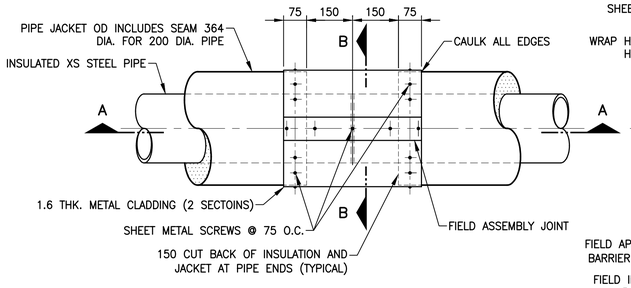
ELEVATION



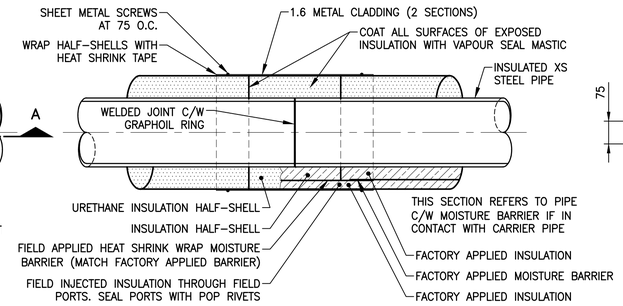
SECTION A–A

TYPICAL SEWER CLEANOUT DETAIL

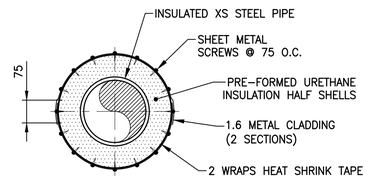
1:10



ELEVATION



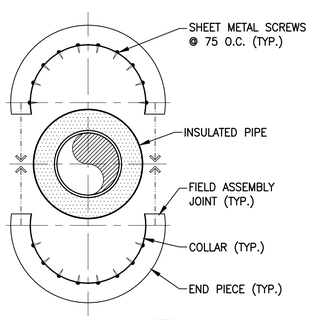
SECTION A–A



SECTION B–B

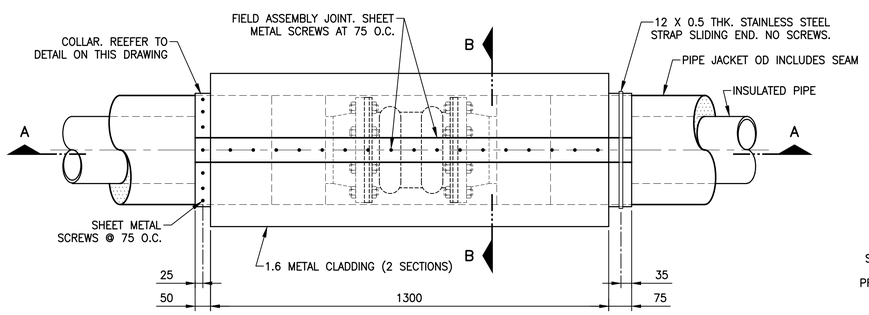
TYPICAL WELDED JOINT DETAIL

1:10



SECTION

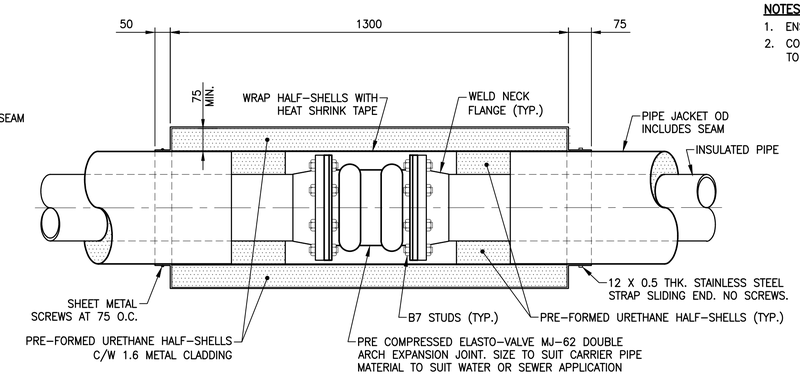
NOTES:
INSIDE COLLAR RADIUS TO MATCH INSULATED PIPE JACKET DIMENSIONS.



ELEVATION

TYPICAL COLLAR ASSEMBLY DETAIL

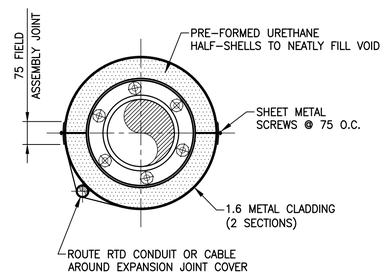
N.T.S.



SECTION A–A

NOTES:

1. ENSURE FLANGE STUDS DO NOT PROTRUDE TOWARD RUBBER ARCH.
2. CONTRACTOR IS TO SET EXPANSION JOINT COMPRESSION ACCORDING TO PIPE TEMPERATURE AT TIME OF ASSEMBLY. REFER TO CHART.



SECTION B–B

TYPICAL EXPANSION JOINT DETAIL

1:10

Revision	By	Appd.	YY.MM.DD
C GWICH'IN LAND AND WATER BOARD REVIEW	M.C.M.	D.C.	18.01.23
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2 Firth Street Inuvik, Northwest Territories/Canada

File Name: C102.dwg
A.J.M. Dwn. | D.C. Chkd. | M.C.M. Dsgn. | 17.01.06 YY.MM.DD

Title
EXPANSION JOINT AND CLEANOUT DETAILS

Project No. 1101-26100
Scale AS SHOWN
Drawing No. C102
Sheet of
Revision 0

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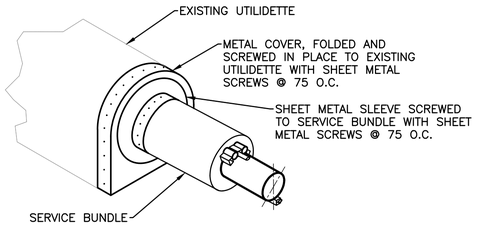
2018/01/23 8:56 AM By: Pham, Pat

ORIGINAL SHEET - ISO A1

UTILIDETTE TABLE – BLOCKS 3										BUNDLE	CABLES			
BLOCK	LOT	CHAINAGE	SB1 SB1F SB1S	SB2 SB2F SB2S	EXISTING UTILIDETTE STYLE	LENGTH TO SB (m)	REPLACE	BUNDLE LENGTH (APPROX)	NOTES	REUSE	SERVICE DIA (mm)	0 TO 10	10 TO 20	20 TO 35	UTILIDETTE SUPPORT
3	3	0+804.05	SBS	–	WB	12	–	12.6	–		–	–	1	–	1
TOTAL												–	–	–	–



1/2 CULVERT UTILIDETTE SERVICE BUNDLE DETAIL

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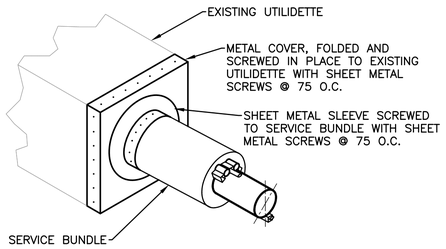

SQUARE UTILIDETTE SERVICE BUNDLE DETAIL

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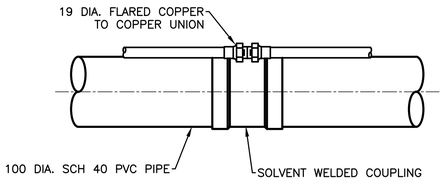
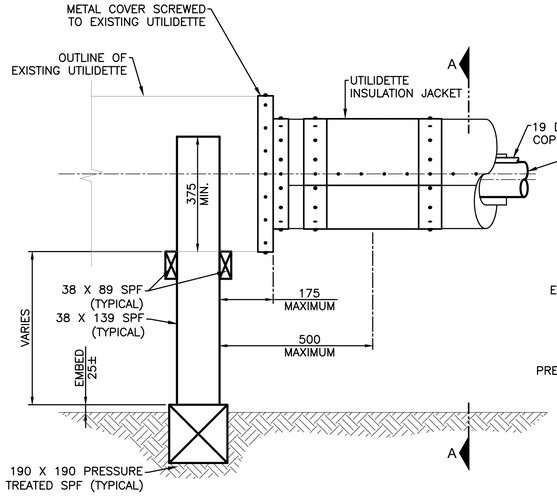


NOTE:
SPLICE INSULATION AND JACKET KIT TO BE PROVIDED BY UTILIDETTE BUNDLE MANUFACTURER TO MATCH BUNDLE

UTILIDETTE SPLICE DETAIL

1:5



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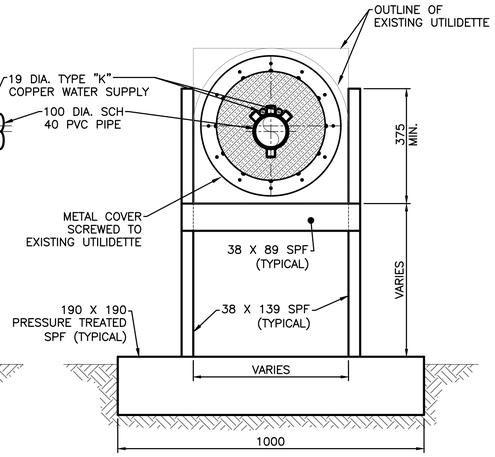


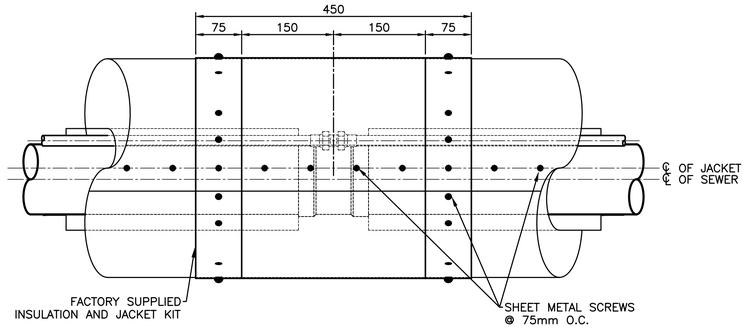
SECTION 'A–A'

NOTE:
1. PREPARE LEVEL FIRM BEARING SURFACE.
2. SPACE SUPPORTS @ 6.0m O.C. UNLESS NOTED OTHERWISE.

UTILIDETTE SUPPORT DETAIL

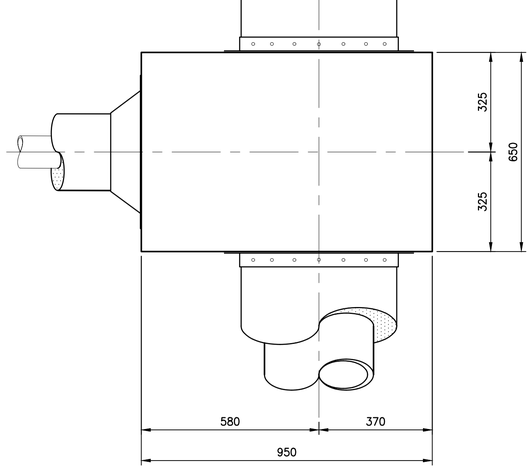
1:10

GENERAL NOTES:
1. F–F LENGTH IS FACE (EXTERIOR WALL) OF HOUSE TO FACE OF SERVICE BOX IN HORIZONTAL PLANE, APPROXIMATELY.
2. BUNDLE LENGTHS LISTED ABOVE ARE APPROXIMATE, FROM 0.4m INSIDE BUILDING WALL TO 0.4m INSIDE SERVICE BOX (WATER LINE CONNECTIONS). BUNDLE LENGTHS LISTED ARE OVERALL WATER LINE LENGTH (0.3m LONGER THAN SEWER, AND 0.6m LONGER THAN INSULATION/JACKET).
3. CALCULATED BUNDLE LENGTHS ARE BASED ON DESIGNED ALIGNMENT OF NEW UTILIDOR.
4. FIELD CONFIRM UTILIDETTE ROUTES AND SERVICE BOX (SB) LOCATIONS BEFORE INSTALLATION OF SB's. FIELD IMPROVEMENT OF SB LOCATIONS IS PERMITTED.
5. CONTRACTOR TO FIELD CONFIRM ALL UTILIDETTE EX WATER AND SEWER SIZES AND LENGTHS BEFORE FINALIZING MATERIALS ORDER.
6. BUNDLE CUT/ALLOCATION SCHEME IS BASED ON BUNDLES 12.8m (42ft.) LONG OVERALL. CORE (SEWER) PIPE LENGTH IS 12.5m (41ft).
7. HEAT CABLE LENGTHS ARE CLASSIFIED FOR PAYMENT BASED ON UTILIDETTE LENGTH. ACTUAL CABLE LENGTH IS LONGER.
8. WB IS WOOD BOX: P INDICATES POOR. CMS IS CORRUGATED METAL SHELL. SP IS SPIRAL WRAPPED. MFD# IS MULTI–FAMILY DWELLING, # UNITS. BUILDINGS ARE SINGLE FAMILY ("SFD") EXCEPT AS NOTED.
9. UTILIDETTE REPLACEMENT IS NORMALLY TO BUILDING EXTERIOR WALL. RUNS OF BUILDING SERVICE PIPING UNDER BUILDINGS OR IN CRAWL SPACES ARE NOT NORMALLY REPLACED.
10. WHERE BUILDING IS EQUIPPED TO HEAT THE UTILIDETTE HYDRONICALLY, SUPPLY AND INSTALL PEX PIPE LOOP ON PLACE OF ELECTRIC HEAT TRACING. MAKE CONNECTIONS TO OWNERS SUPPLY AND RETURN LINES JUST INSIDE BUILDING WALL.
11. WHERE BUILDING IS NOT EQUIPPED TO HEAT THE UTILIDETTE HYDRONICALLY, SUPPLY AND INSTALL HEAT TRACING.
12. SPLICES IN UTILIDETTE BUNDLES ARE PERMITTED ONLY WHERE UTILIDETTE LENGTH EXCEEDS STANDARD BUNDLE LENGTH.
13. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS NOTED OTHERWISE.



UTILIDETTE INSULATION AND JACKET DETAIL

1:5



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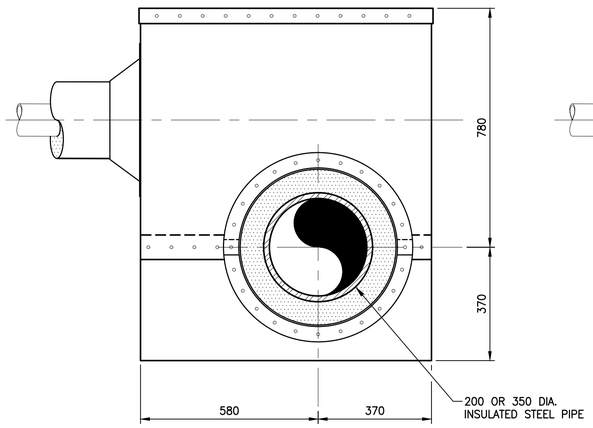

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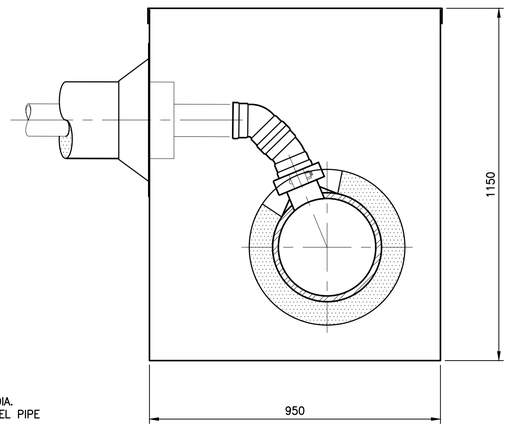

SECTION

SERVICE BOX CONNECTION DETAIL

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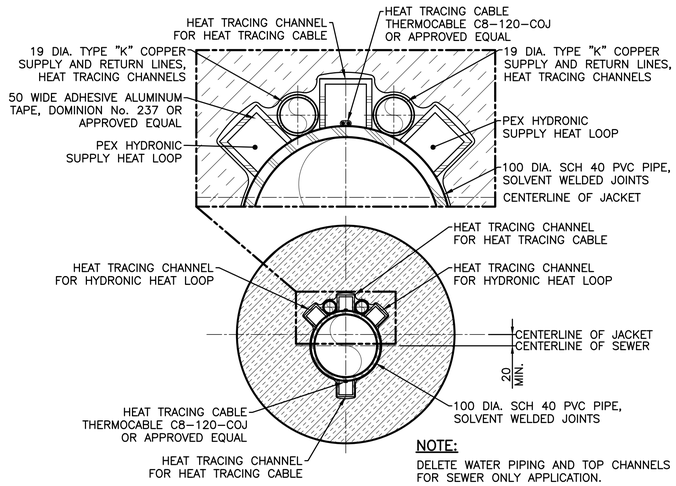

NOTE:
DELETE WATER PIPING AND TOP CHANNELS FOR SEWER ONLY APPLICATION.

UTILIDETTE SECTION

1:5

Revision	By	Appd.	YY.MM.DD
C GWICH'IN LAND AND WATER BOARD REVIEW	M.C.M.	D.C.	18.01.23
B TENDER	M.C.M.	D.C.	17.08.28
A FOR CLIENT REVIEW	M.C.M.	D.C.	17.07.20
Issued	By	Appd.	YY.MM.DD

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File Name: C103.dwg | A.J.M. Dwn. | D.C. Chkd. | M.C.M. Dsgn. | 17.01.06 YY.MM.DD

Title
SERVICE CONNECTIONS DETAILS

Project No. 1101-26100
Scale AS SHOWN
Drawing No. C103
Sheet of
Revision 0

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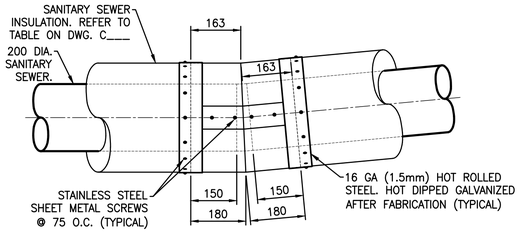
ORIGINAL SHEET - ISO A1



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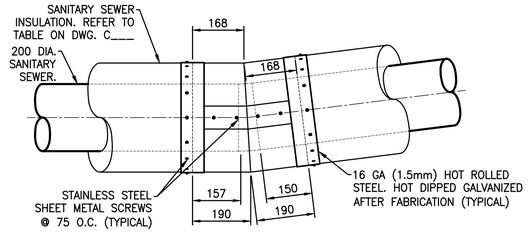

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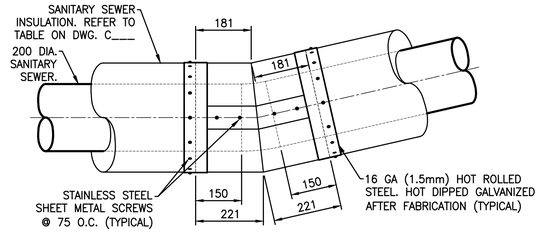

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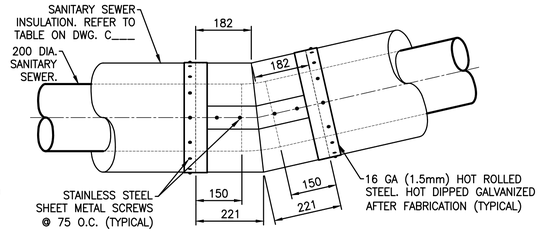

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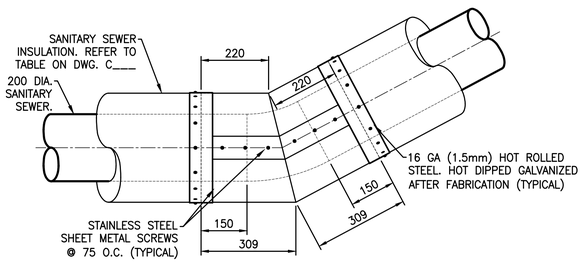

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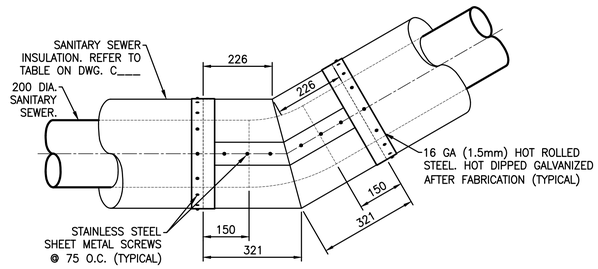

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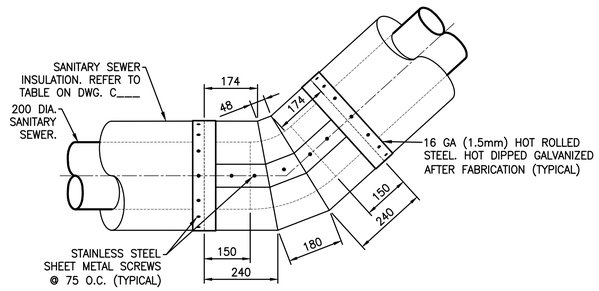

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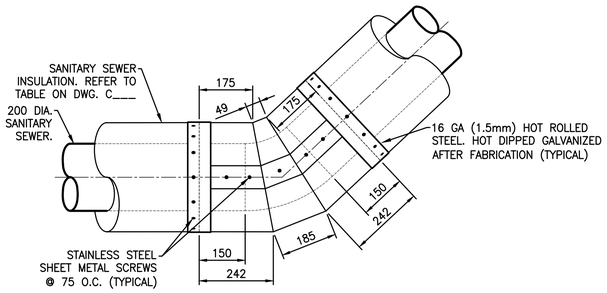

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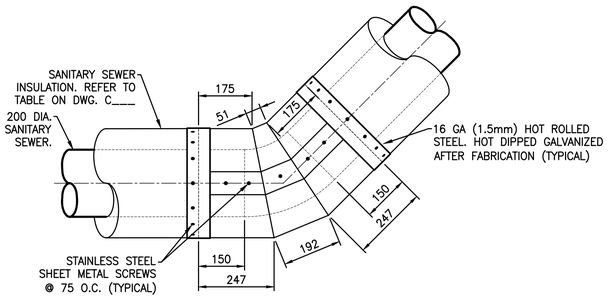

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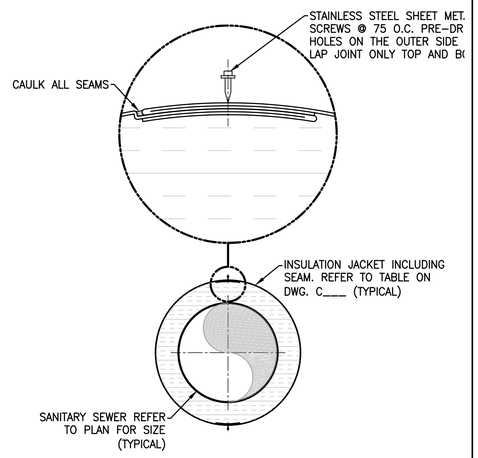

BEND SEAM ASSEMBLY TYPICAL DETAIL
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Revision	By	Appd.	YY.MM.DD
B GWICH'IN LAND AND WATER BOARD REVIEW	M.C.M.	D.C.	18.01.23
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2 Firth Street Inuvik, Northwest Territories/Canada

File Name: C104.dwg	A.J.M.	D.C.	M.C.M.	17.01.06
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Title
UTILITY DETAILS
200 DIA. INSULATED BENDS

Project No. 1101-26100
Scale AS SHOWN
Drawing No. C104
Sheet
of
Revision 0

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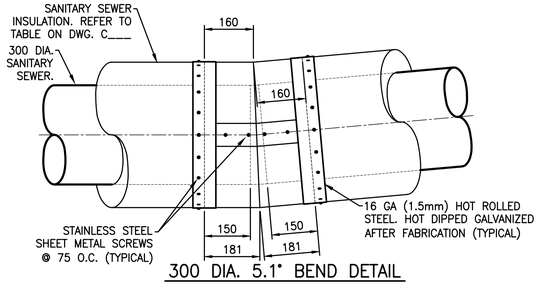
2018(01)23 6:57 AM By: Pham, Paul
ORIGINAL SHEET - ISO A1



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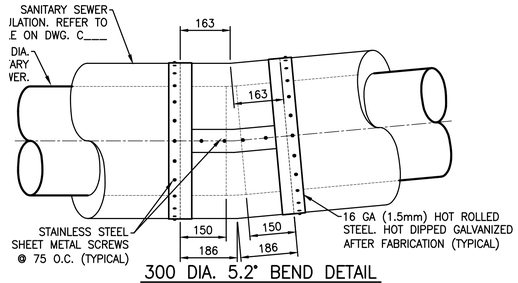

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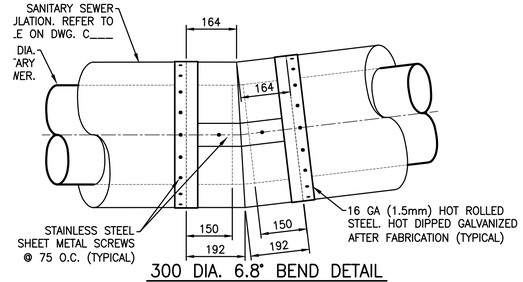

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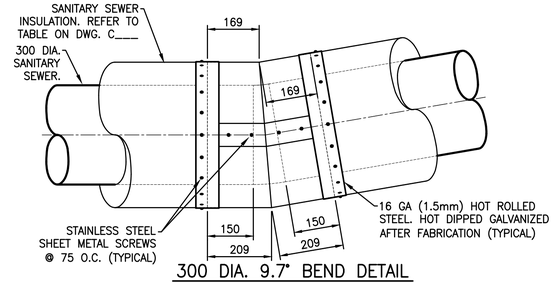

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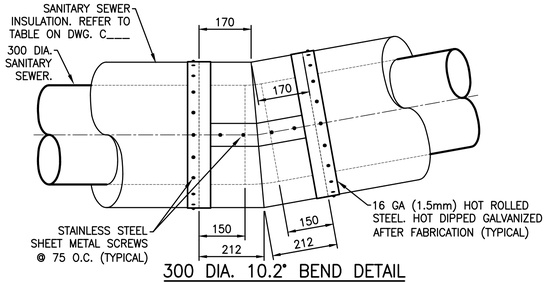

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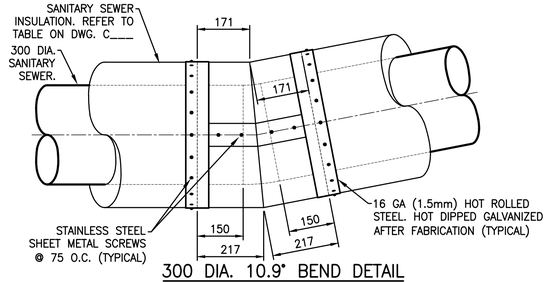

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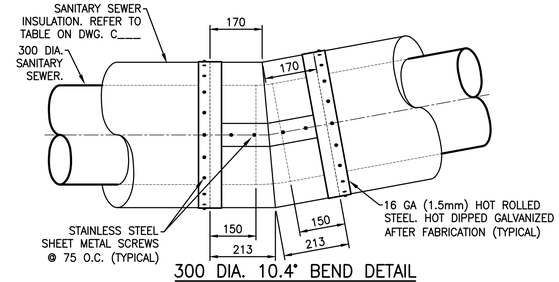

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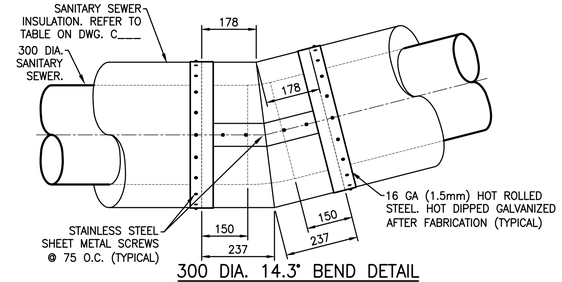

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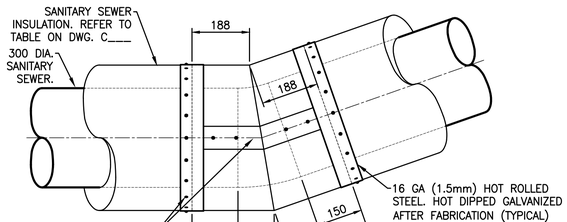

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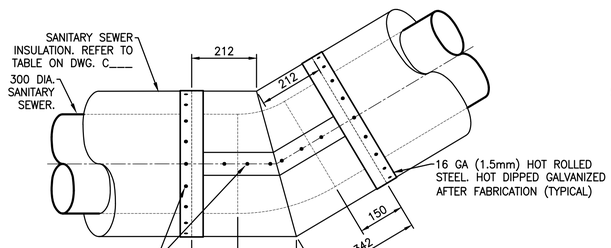

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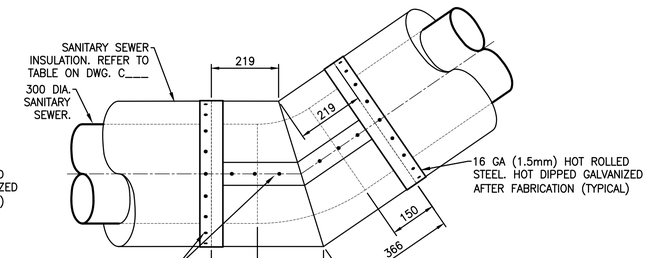

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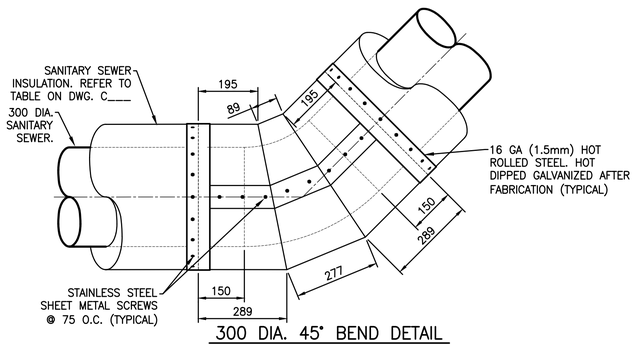

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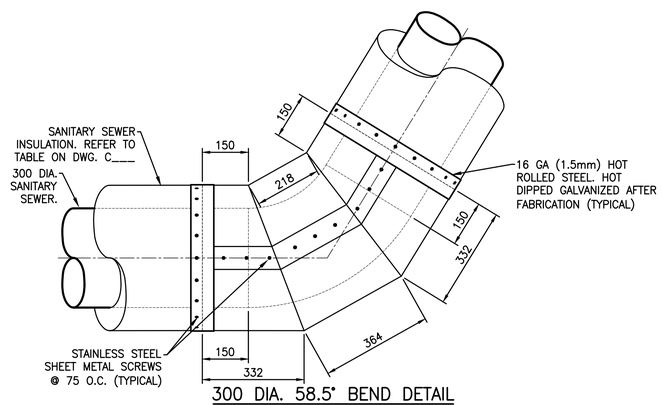

300 DIA. 58.5° BEND DETAIL
N.T.S.

Revision	By	Appd.	YY.MM.DD
C GWICHIN LAND AND WATER BOARD REVIEW	M.C.M.	D.C.	18.01.23
B TENDER	M.C.M.	D.C.	17.08.28
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Issued	By	Appd.	YY.MM.DD

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File Name: C105.dwg	A.J.M.	D.C.	M.C.M.	17.01.06
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Title
UTILITY DETAILS
300 DIA. INSULATED BENDS

Project No. 1101-26100
Scale AS SHOWN
Drawing No. C105
Sheet
of
Revision 0

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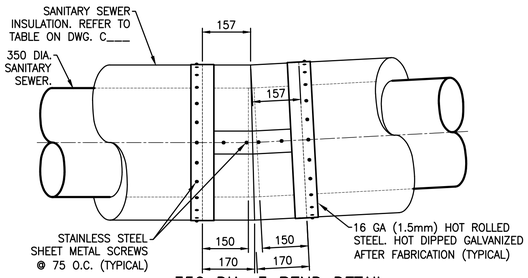
2018/01/23 8:37 AM By: Pham, Paul
ORIGINAL SHEET - ISO A1



350 DIA. 3 BEND DETAIL

N.T.S.

Revision	By	Appd.	YY.MM.DD
C ####	M.C.M.	D.C.	18.01.23
B TENDER	M.C.M.	D.C.	17.08.28
A FOR CLIENT REVIEW	M.C.M.	D.C.	17.07.20
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LICENSEE
NWT/NU

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Client/Project

INUVIK

TOWN OF INUVIK, NT
SANITARY OUTFALL REHABILITATION
2 Firth Street Inuvik, Northwest Territories/Canada

File Name: C106.dwg	A.J.M.	D.C.	M.C.M.	17.01.06
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Title
UTILITY DETAILS
350 DIA. INSULATED BENDS

Project No. 1101-26100

Scale AS SHOWN

Drawing No. C106

Sheet of

Revision 0

\\Cad1001-c000\nwnd_projects\110126100\drafting\drawings\current\C106.dwg
2018(01)23 8:58 AM By: Pham, Paul

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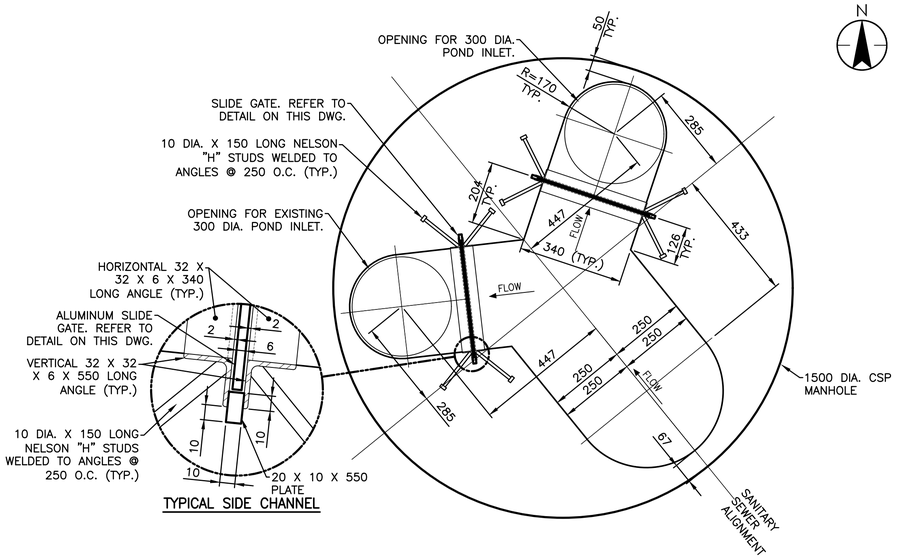
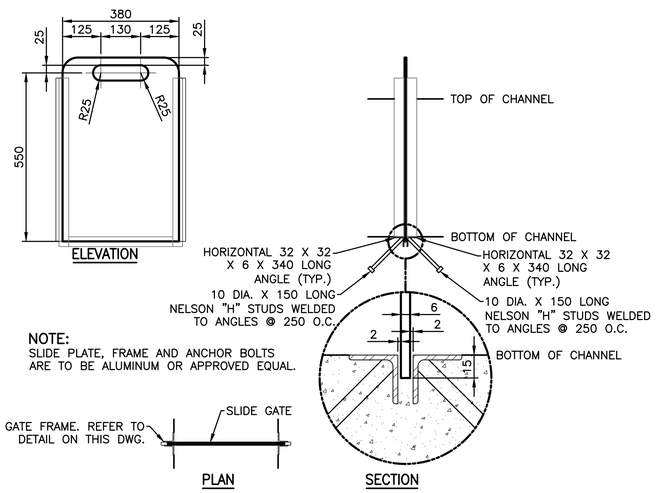
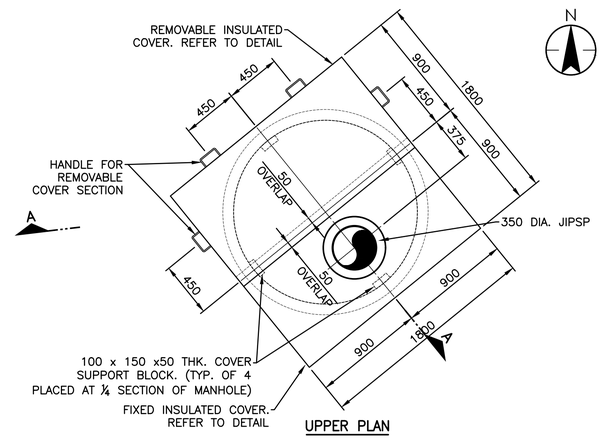


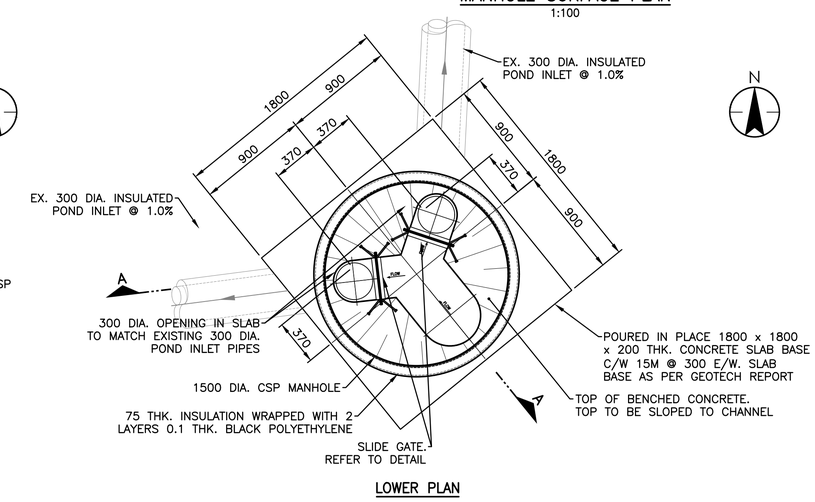
POND INLET LOWER DETAIL
N.T.S.

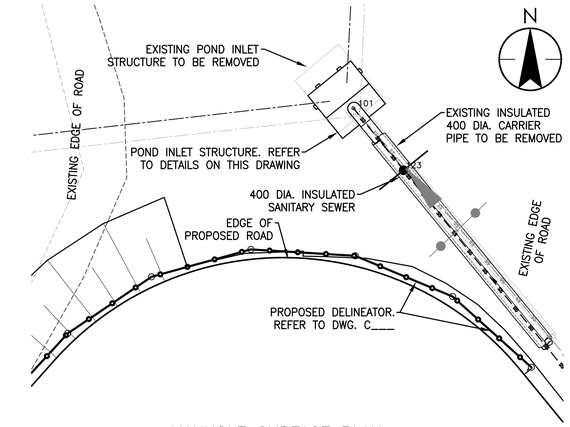


NOTE:
SLIDE PLATE, FRAME AND ANCHOR BOLTS ARE TO BE ALUMINUM OR APPROVED EQUAL.

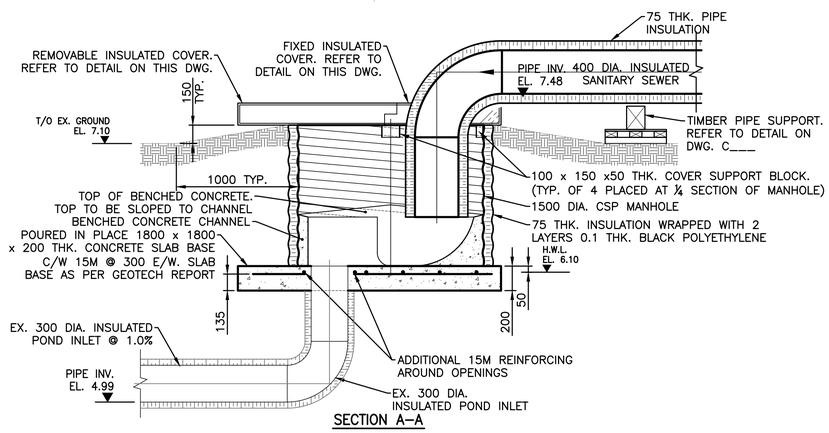
TYPICAL SLIDE GATE DETAIL
N.T.S.







MANHOLE SURFACE PLAN
1:100



NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
2. ALL PIPE SIZES ARE IN MILLIMETERS UNLESS OTHERWISE NOTED
3. ALL ELEVATIONS ARE IN METRES UNLESS OTHERWISE NOTED.
4. ALL SURFACE MEASUREMENTS ARE IN METRES UNLESS OTHERWISE NOTED.
5. REFER TO DRAWING C____ FOR PILE LOCATIONS AND DRAWING C____ FOR PILE DETAILS.
6. ALL EXISTING GROUND AND UTILITY DISTANCES AND ELEVATIONS ARE TO BE CONFIRMED PRIOR TO CONSTRUCTION.
7. ALL DESIGN GROUND AND UTILITY DISTANCES AND ELEVATIONS TO BE CONFIRMED PRIOR TO THE START OF CONSTRUCTION.

POND INLET STRUCTURE REPLACEMENT DETAIL
1:25

1:100 0 1 3 5m
1:25 0 0.25 0.75 1.25m

Revision	By	Appd.	YY.MM.DD
0			

Issued	By	Appd.	YY.MM.DD
B GWICH'IN LAND AND WATER BOARD REVIEW	M.C.M.	D.C.	18.01.23
A FOR CLIENT REVIEW	M.C.M.	D.C.	17.07.20

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2 Firth Street Inuvik, Northwest Territories/Canada

File Name: C107.dwg	A.J.M.	D.C.	M.C.M.	17.01.06
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Title
UTILITY DETAILS
SEWAGE POND INLET STRUCTURE
PLANS AND SECTIONS

Project No.	Scale
1101-26100	AS SHOWN

Drawing No.	Sheet	Revision
C107	of	0

\\ca1001-c2001-shared_projects\1101\26100\drafting\drawings\current\C107.dwg
2018/07/23 8:58 AM By: Pham, Pat

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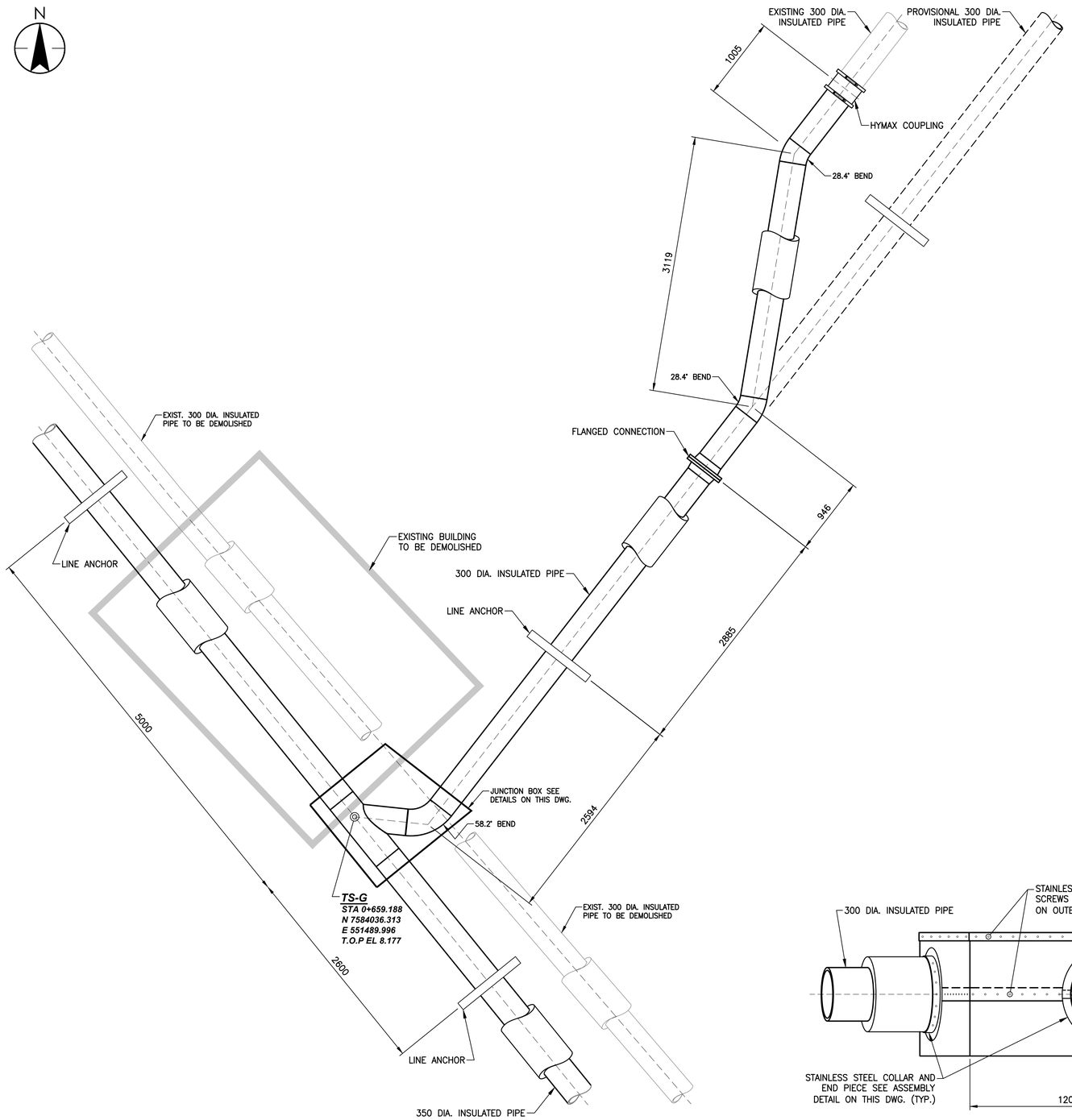
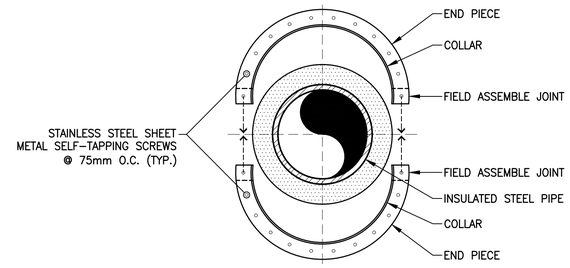


TS–G CONNECTION PLAN
1:30



COLLAR ASSEMBLY DETAIL
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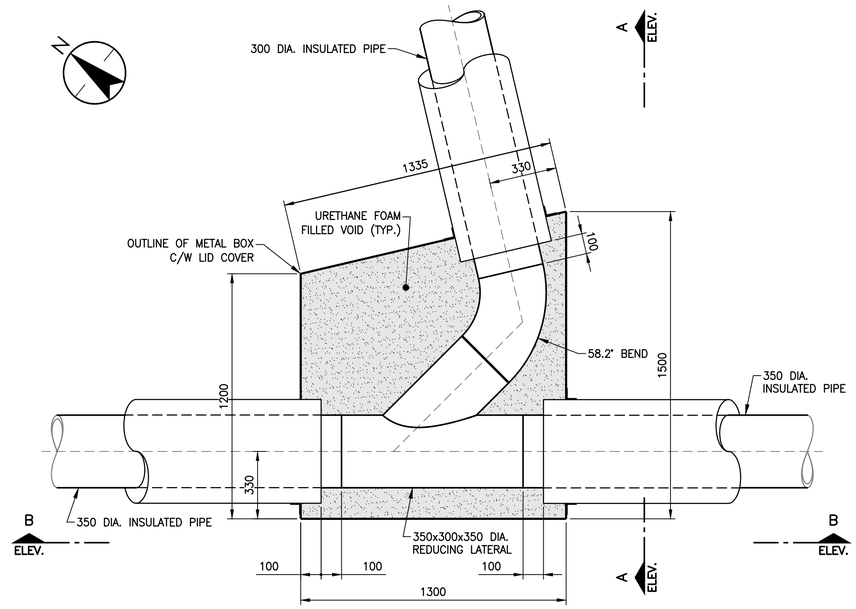
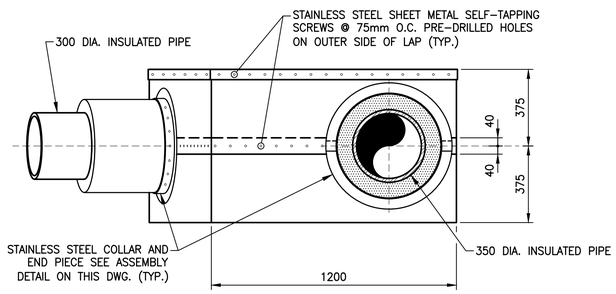


TS–G JUNCTION BOX PLAN
1:15



TS–G JUNCTION BOX ELEVATION A–A
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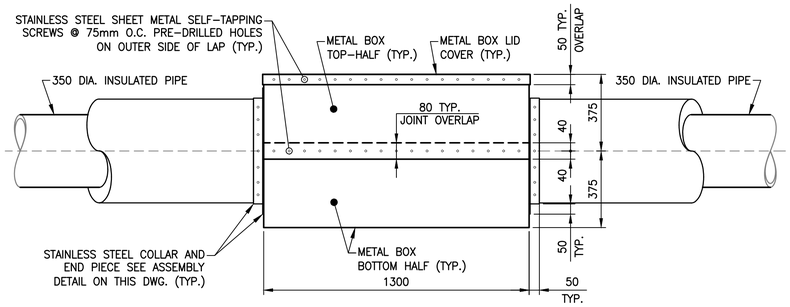

TS–G JUNCTION BOX ELEVATION B–B
1:15

Revision	By	Appd.	YY.MM.DD
C GWICHIN LAND AND WATER BOARD REVIEW	M.C.M.	D.C.	18.01.23
B TENDER	M.C.M.	D.C.	17.08.28
A FOR CLIENT REVIEW	M.C.M.	D.C.	17.07.20
Issued	By	Appd.	YY.MM.DD

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File Name: C108.dwg
P.T.P. Dwn. | D.C. Chkd. | M.C.M. Dsgn. | 17.01.06 YY.MM.DD

Title
UTILITY DETAILS
TS-G CONNECTION DETAIL

Project No. 1101-26100
Scale AS SHOWN
Drawing No. C108
Sheet of
Revision 0

\\cd1001-c-p01\shared_projects\110126100\drafting\drawings\current\C108.dwg
2018/01/23 8:59 AM By: Pham, Hai

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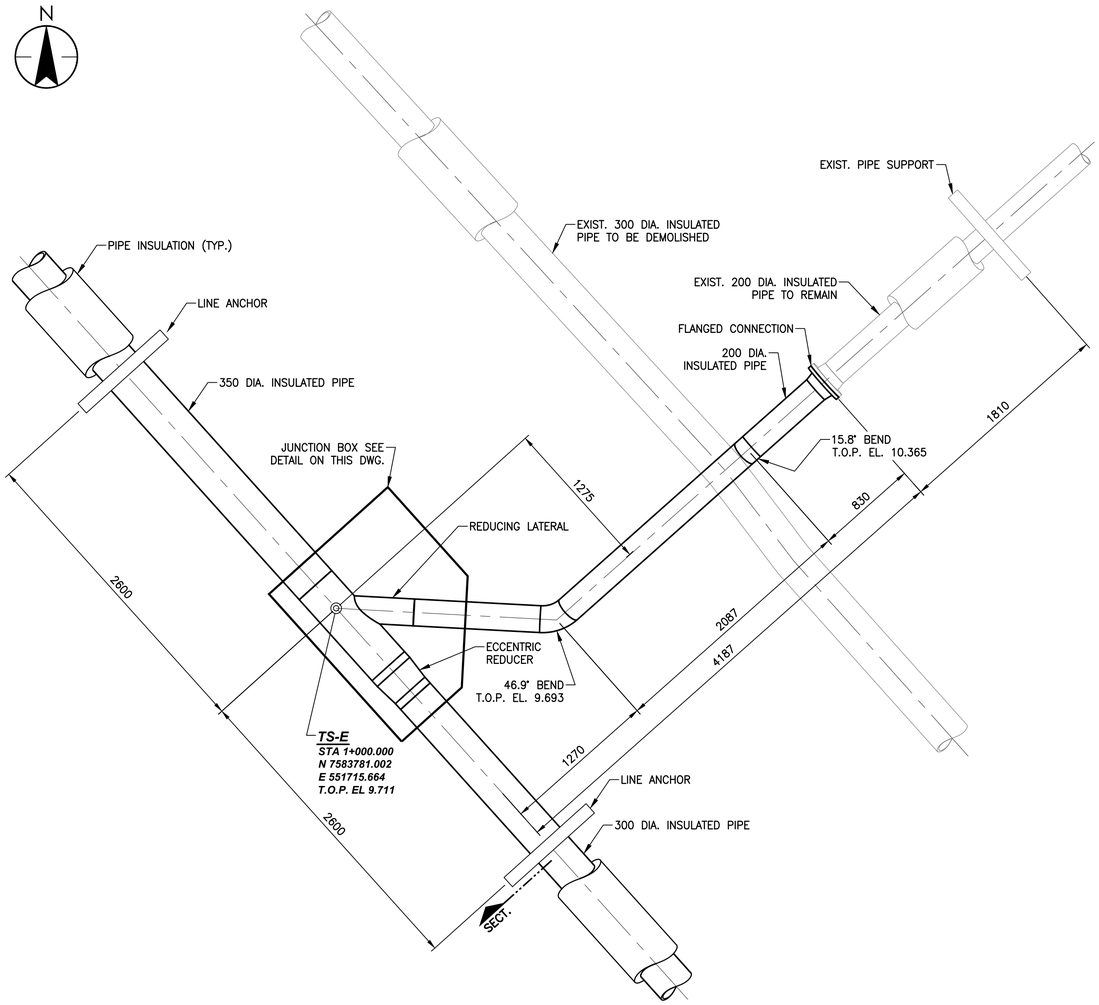
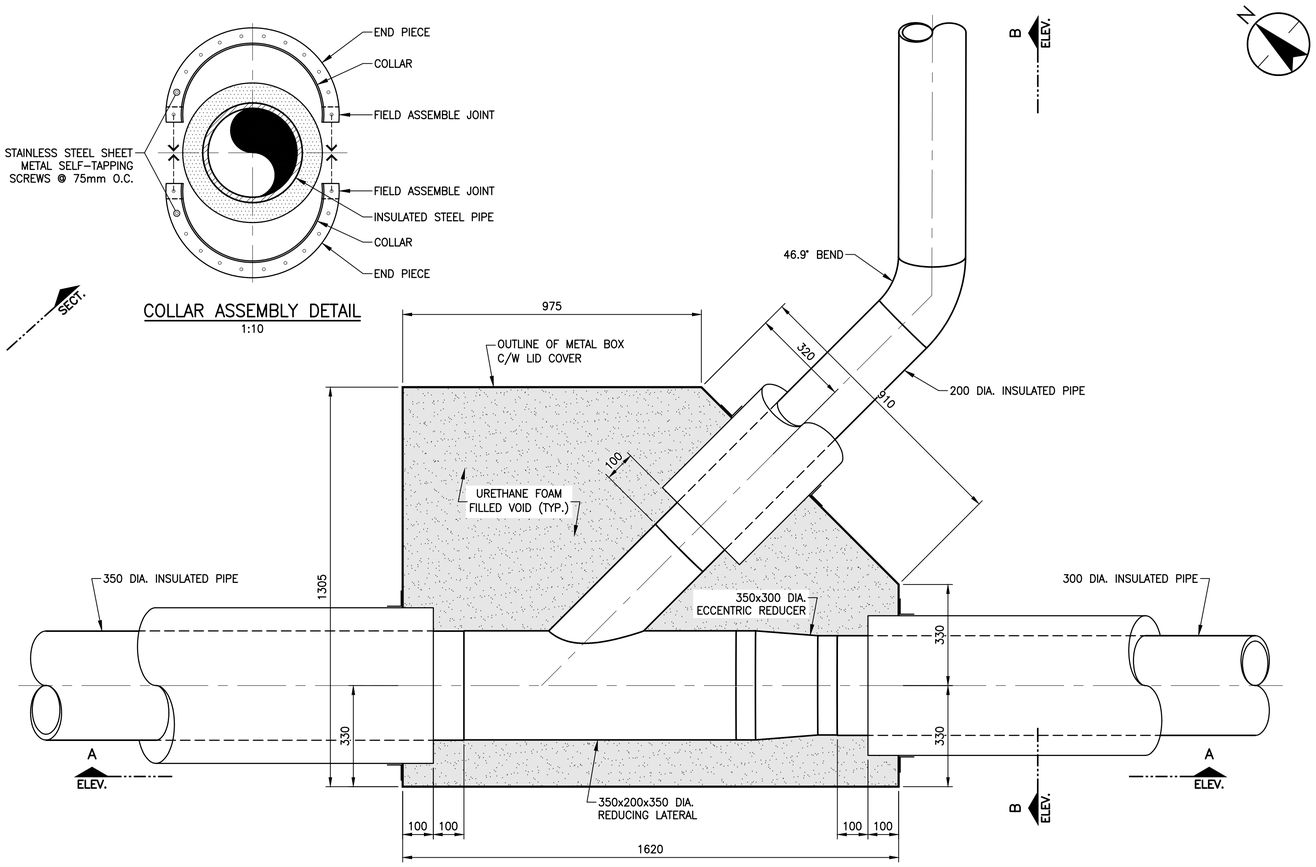


TS-E CONNECTION PLAN
1:25

COLLAR ASSEMBLY DETAIL
1:10



TS-E JUNCTION BOX PLAN
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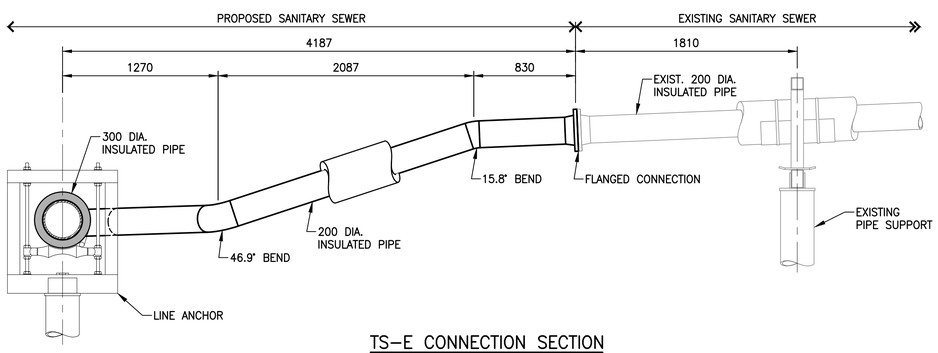

TS-E CONNECTION SECTION
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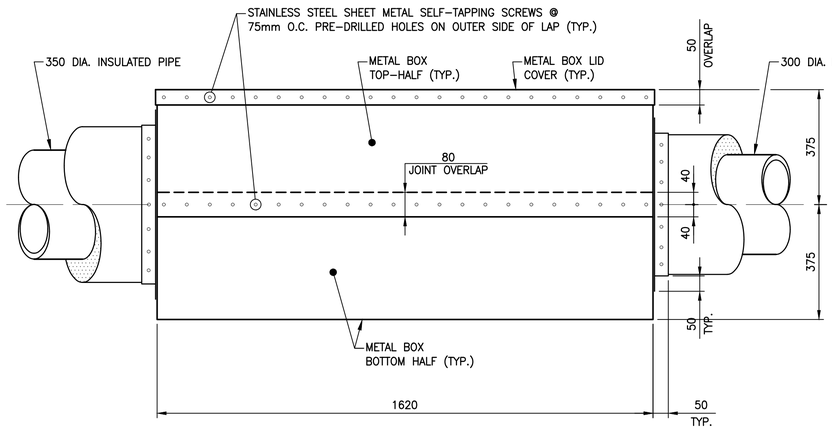

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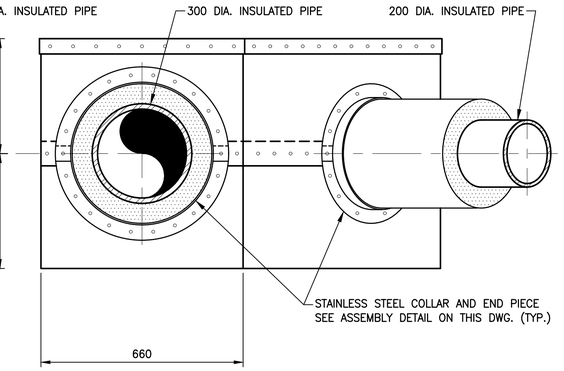

TS-E JUNCTION BOX ELEVATION B-B
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Revision	By	Appd.	YY.MM.DD
C GWICH'IN LAND AND WATER BOARD REVIEW	M.C.M.	D.C.	18.01.23
B TENDER	M.C.M.	D.C.	17.08.28
A FOR CLIENT REVIEW	M.C.M.	D.C.	17.07.20
Issued	By	Appd.	YY.MM.DD

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2 Firth Street Inuvik, Northwest Territories/Canada

File Name: C109.dwg
P.T.P. Dwn. | D.C. Chkd. | M.C.M. Dsgn. | 17.01.06 YY.MM.DD

Title
UTILITY DETAILS
TS-E CONNECTION

Project No. 1101-26100
Scale AS SHOWN
Drawing No. C109
Sheet of
Revision 0

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2018/07/23 8:59 AM By: Pham, Paul
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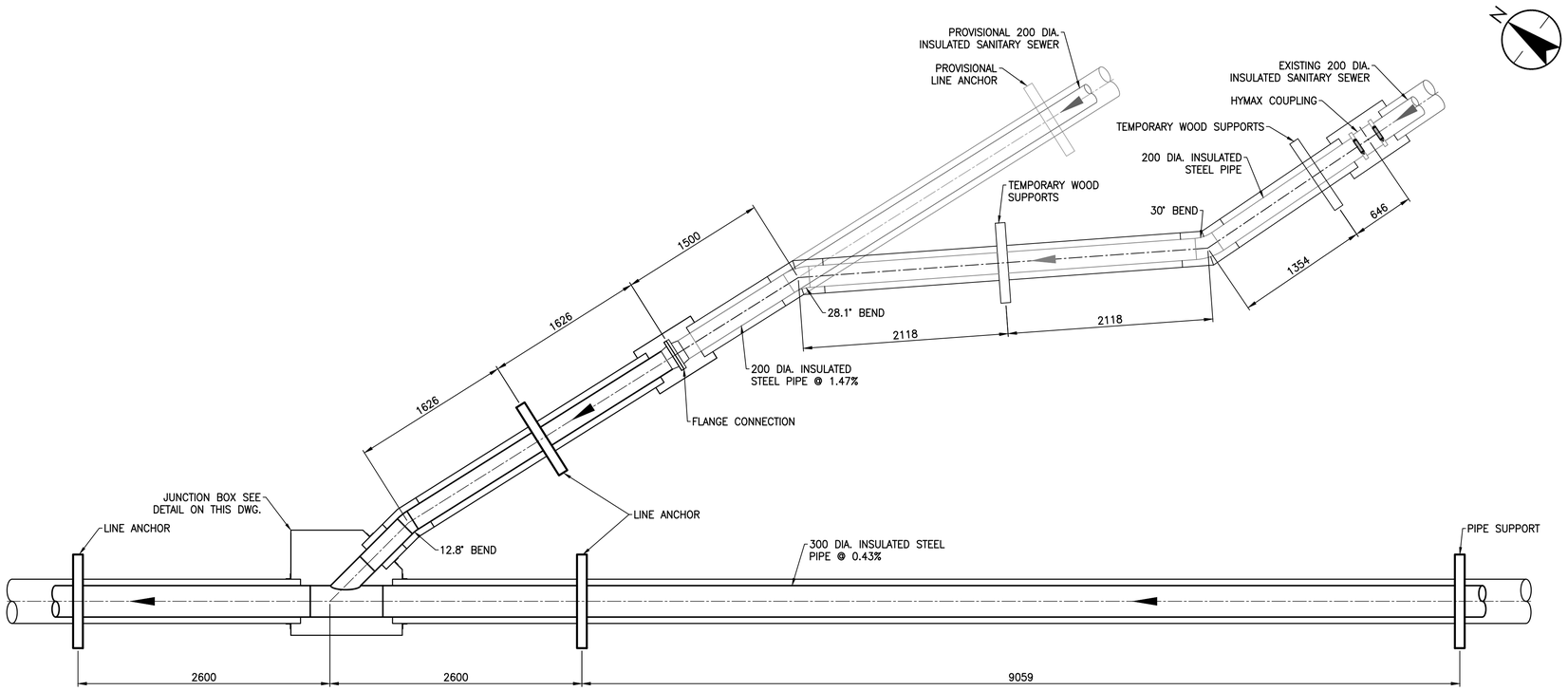

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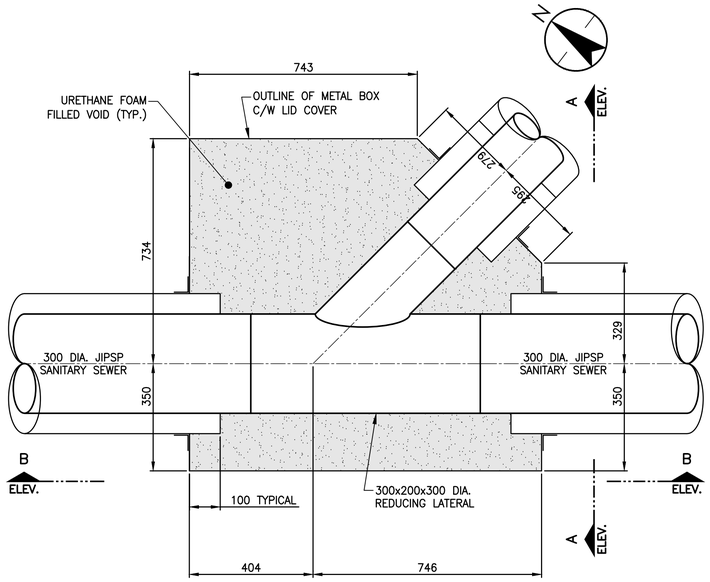

TS–D JUNCTION BOX PLAN
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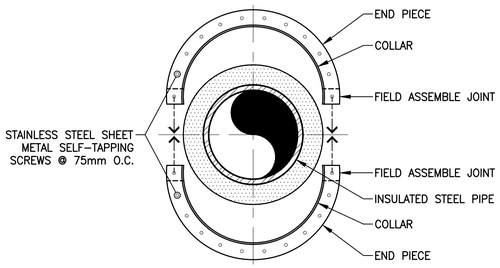
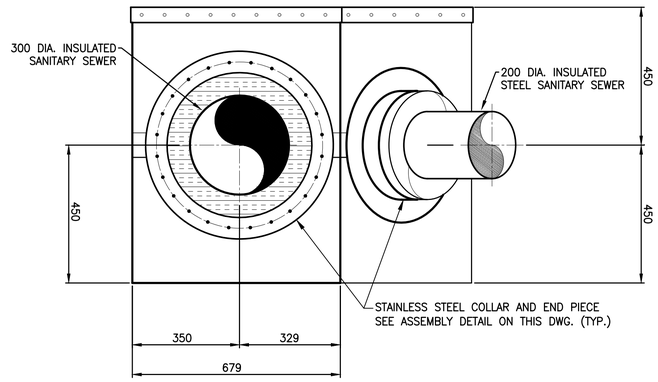
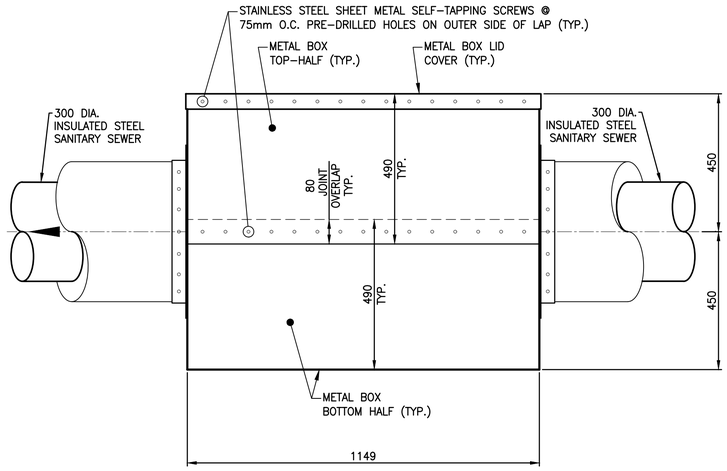


COLLAR ASSEMBLY DETAIL
1:10



TS–D JUNCTION BOX ELEVATION A–A
1:10



TS–D JUNCTION BOX ELEVATION B–B
1:10

Revision	By	Appd.	YY.MM.DD
D GWICH'IN LAND AND WATER BOARD REVIEW	M.C.M.	D.C.	18.01.23
C ADDENDUM	M.C.M.	D.C.	17.09.15
B TENDER	M.C.M.	D.C.	17.08.28
A FOR CLIENT REVIEW	M.C.M.	D.C.	17.07.20
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2 Firth Street Inuvik, Northwest Territories/Canada

File Name: C110.dwg
A.J.M. Dwn. | D.C. Chkd. | M.C.M. Dsgn. | 17.01.06 YY-MM.DD

Title
UTILITY DETAILS
TS-D CONNECTION DETAILS

Project No. 1101-26100
Scale AS SHOWN
Drawing No. C110
Sheet of
Revision 0

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2018(01)23 6:59 AM By: Pham, Paul

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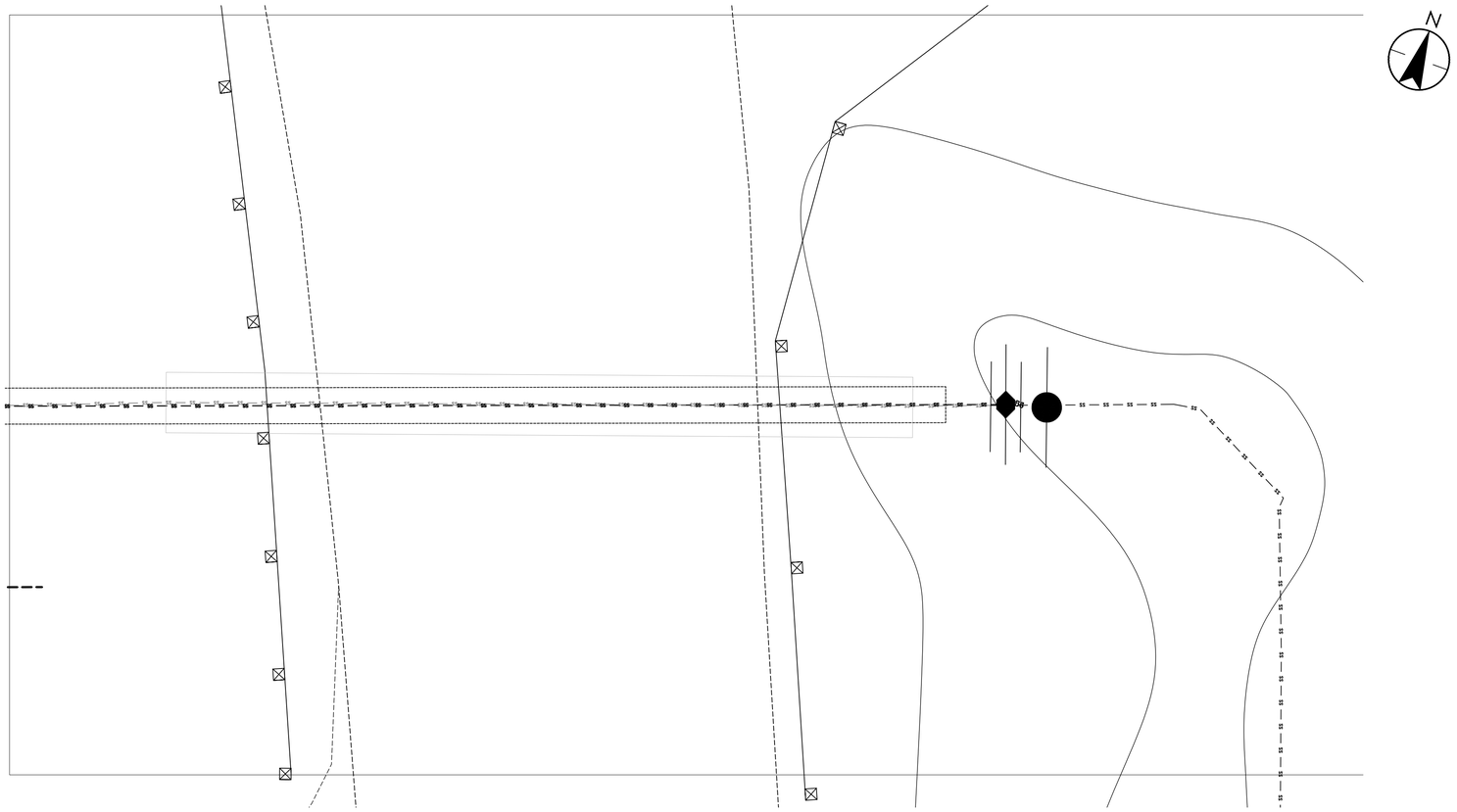

CONNECTION TO EXISTING SYSTEM PLAN
1:100

0 0.5 1.5 2.5m
1:50

Revision	By	Appd.	YY.MM.DD
B GWICH'IN LAND AND WATER BOARD REVIEW	M.C.M.	D.C.	18.01.23
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File Name: C111.dwg

A.J.M.	D.C.	M.C.M.	17.01.06
Dwn.	Chkd.	Dsgn.	YY.MM.DD

Title
UTILITY DETAILS
FANKLIN ROAD CONNECTION DETAIL

Project No. 1101-26100
Scale AS SHOWN
Drawing No. C111
Sheet of
Revision 0

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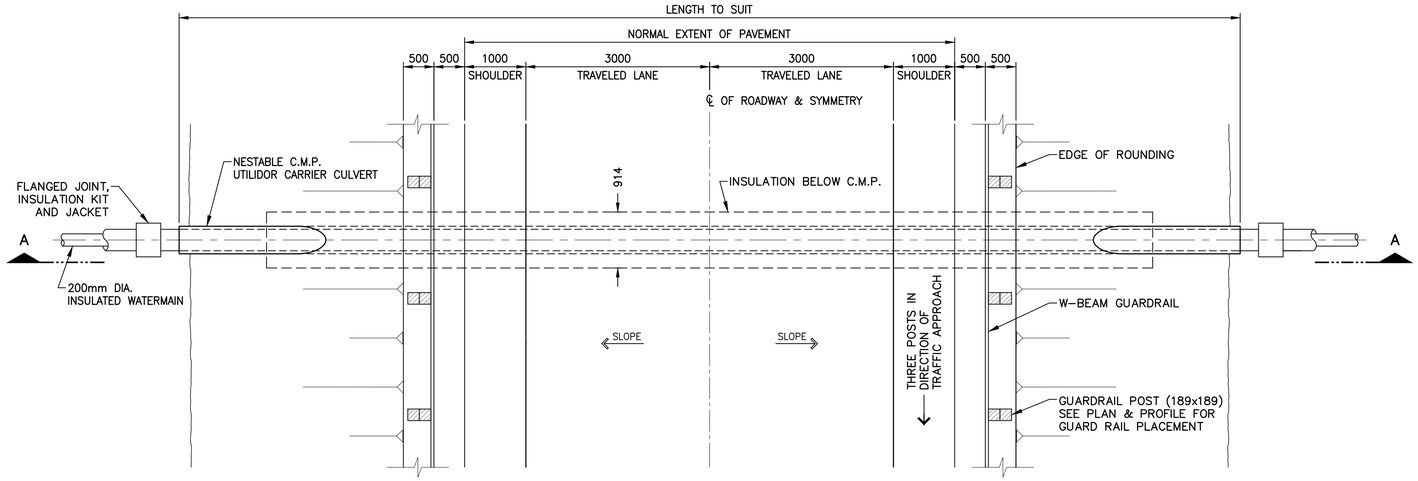
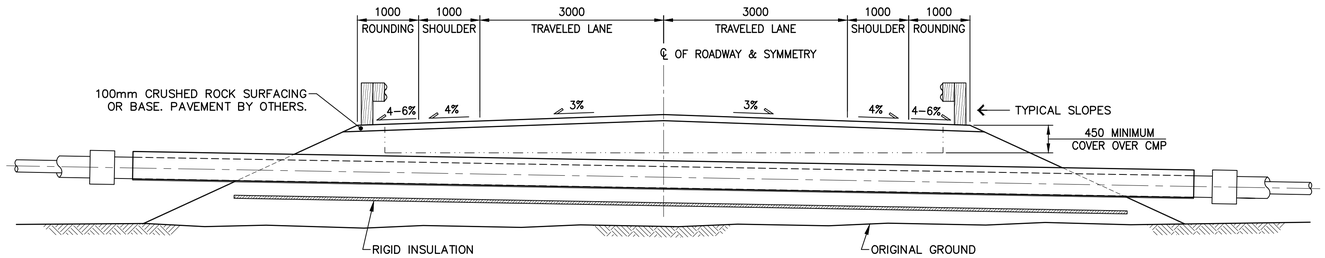
2018/07/23 8:39 AM By: Pham, Pat

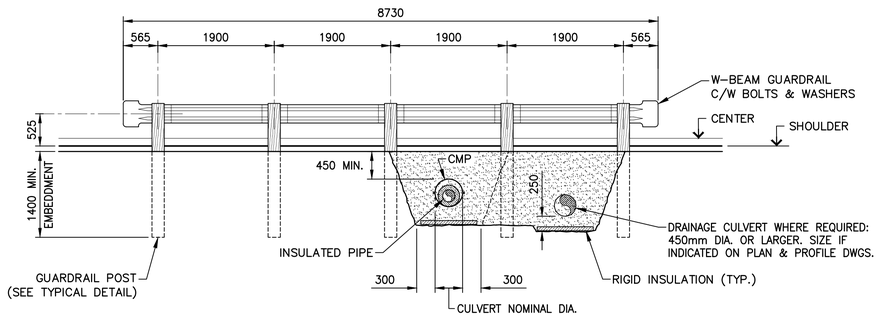
ORIGINAL SHEET - ISO A1



PLAN



SECTION A–A

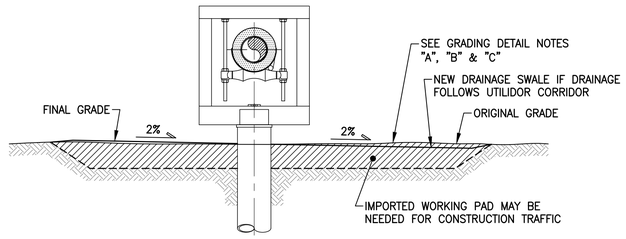


SECTION B–B

PIPE TABLE					
ITEM	NOMINAL PIPE DIA. (mm)				
INSULATED PIPE	150	200	250	300	350
CMP CULVERT	450	500	500	600	600

TYPICAL ROADWAY CROSSING DETAIL

1:50



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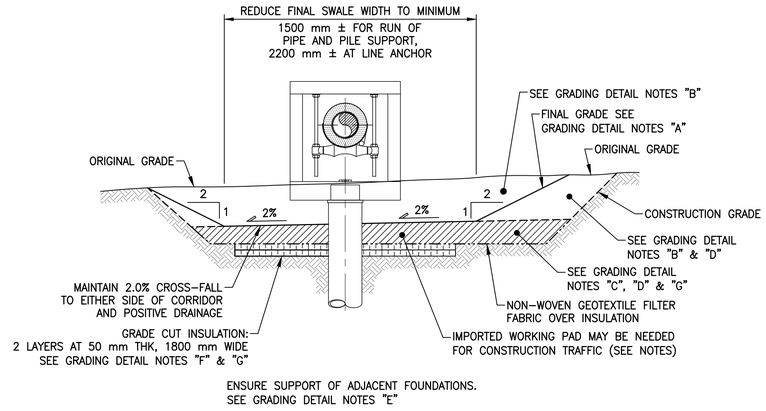
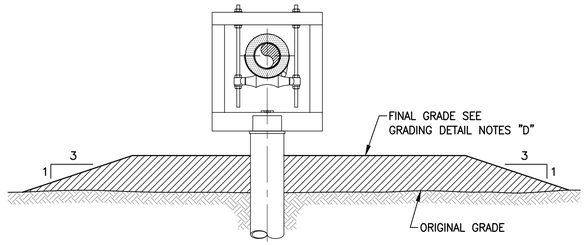


GRADE IS LOWERED



GRADE IS RAISED

NOTES:

A. GRADING AND FINAL GROOMING ARE PAID FOR AS UTILIDOR SITE WORK GRADING.
B. EXCAVATION OF NATIVE GROUND TO FINAL GRADE LINES IS PAID FOR AS UTILIDOR SITE WORK EXCAVATION, ACCORDING TO TRUCK MEASURE AND COUNT, WHETHER RE-USED ELSEWHERE ON SITE OR DISPOSED OF OFF SITE.
C. EXCAVATION, REMOVAL AND DISPOSAL OF UNSUITABLE SOIL WHERE AUTHORIZED IS PAID FOR AS UTILIDOR SITE WORK EXCAVATION, ACCORDING TO TRUCK MEASURE AND COUNT.
D. IMPORTED FILL, INCLUDING REPLACEMENT FILL FOR AUTHORIZED EXCAVATION OF UNSUITABLE SOILS, IS PAID FOR AS UTILIDOR SITE WORK FILL, ACCORDING TO TRUCK MEASURE AND COUNT.
E. WHERE GRADE IS LOWERED, ENSURE EFFECTIVE TEMPORARY AND FINAL SUPPORT OF ANY NEARBY FOUNDATION.
F. GROUND INSULATION IS REQUIRED WHERE FINAL GRADE IS MORE THAN 200 mm BELOW ORIGINAL OVER A LENGTH GREATER THAN 10 m, AND AS SHOWN ON PLAN AND PROFILE DRAWINGS.
G. 150 mm THK ROCK BACKFILL WITH NON-WOVEN GEOTEXTILE FILTER FABRIC OVER 100 mm THK RIGID GRADE CUT INSULATION AS INDICATED ON PLAN AND PROFILE DRAWINGS.

GRADING DETAILS

1:25

Revision	By	Appd.	YY.MM.DD
C GWICH'IN LAND AND WATER BOARD REVIEW	M.C.M.	D.C.	18.01.23
B TENDER	M.C.M.	D.C.	17.08.28
A FOR CLIENT REVIEW	M.C.M.	D.C.	17.07.20
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Signature
Date
PERMIT NUMBER: P 0258
The Association of Professional Engineers and Geoscientists of Alberta

REGISTERED PROFESSIONAL ENGINEER M. MALTAIS LICENSEE NWT/NU

KAVIK-STANTEC

Airport Road
Inuvik, NT
www.stantec.com

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Client/Project

INUVIK
TOWN OF INUVIK, NT
SANITARY OUTFALL REHABILITATION
2 Firth Street Inuvik, Northwest Territories/Canada

File Name: C112.dwg	P.T.P.	D.C.	M.C.M.	17.01.06
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Title

ROADWAY CROSSING AND ROAD GRADING DETAILS

Project No.	Scale	
1101-26100	AS SHOWN	
Drawing No.	**Sheet**	**Revision**
C112	of	0

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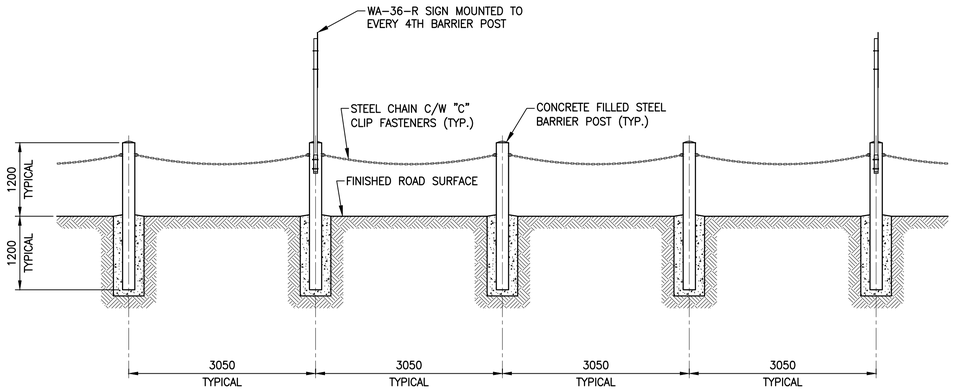
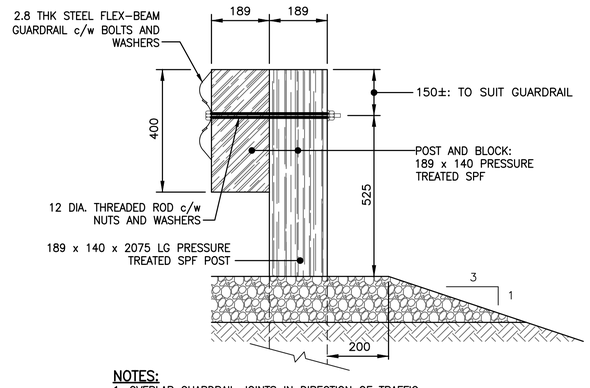
2018.01.23 9:00 AM By: Pham, Paul

ORIGINAL SHEET - ISO A1

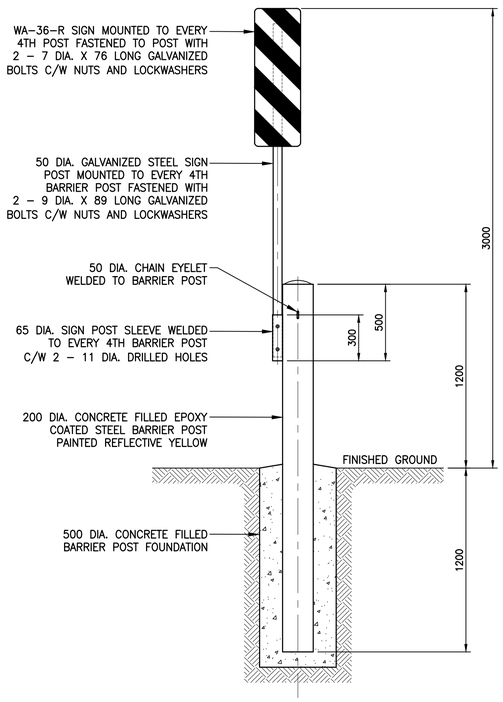


TYPICAL ROAD DELINEATOR LAYOUT ELEVATION
1:50

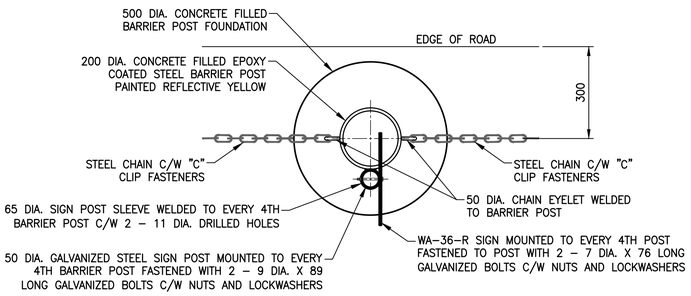


NOTES:
1. OVERLAP GUARDRAIL JOINTS IN DIRECTION OF TRAFFIC.
2. SPF POST MINIMUM 1400 EMBEDMENT FROM TOP OF FINISHED ROAD SURFACE TO BOTTOM OF POST.
3. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.

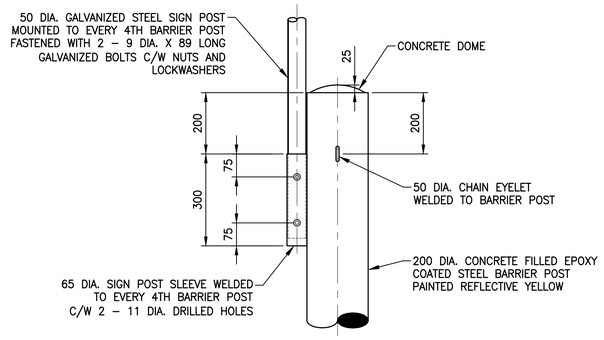
GUARD RAIL DETAIL
1:10



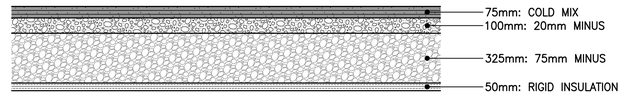
DELINEATOR POST ELEVATION DETAIL
1:20



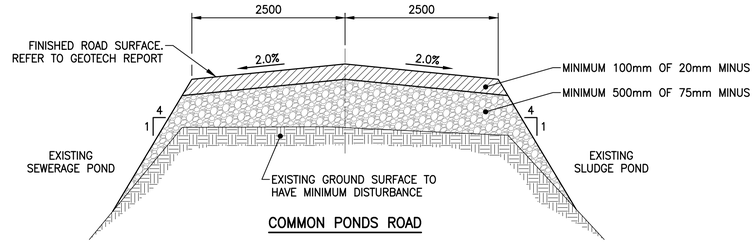
DELINEATOR POST PLAN
1:10



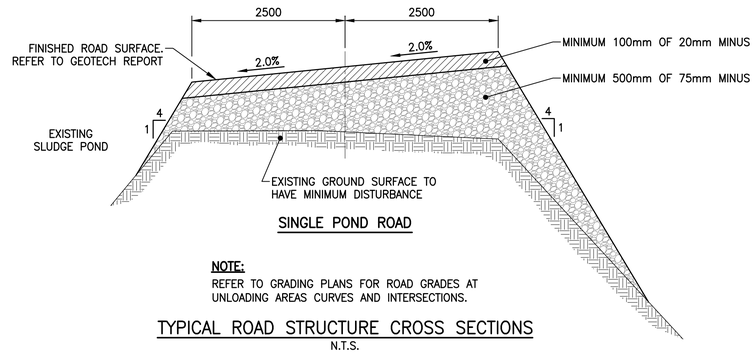
SIGN POST CONNECTION DETAIL
1:10



DUMPING STATION PAD



COMMON PONDS ROAD



SINGLE POND ROAD

NOTE:
REFER TO GRADING PLANS FOR ROAD GRADES AT UNLOADING AREAS CURVES AND INTERSECTIONS.

TYPICAL ROAD STRUCTURE CROSS SECTIONS
N.T.S.

Revision	By	Appd.	YY.MM.DD
C GWICH'IN LAND AND WATER BOARD REVIEW	M.C.M.	D.C.	18.01.23
B TENDER	M.C.M.	D.C.	17.08.28
A FOR CLIENT REVIEW	M.C.M.	D.C.	17.07.20
Issued	By	Appd.	YY.MM.DD

Permit-Seal

PERMIT TO PRACTICE
STANTEC CONSULTING LTD.
Signature
Date
PERMIT NUMBER: P 0258
The Association of Professional Engineers and Geoscientists of Alberta

REGISTERED PROFESSIONAL ENGINEER M. MALTAIS LICENSEE NWT/NU

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Client/Project
INUVIK
TOWN OF INUVIK, NT
SANITARY OUTFALL REHABILITATION
2 Firth Street Inuvik, Northwest Territories/Canada

File Name: C201.dwg	A.J.M.	D.C.	M.C.M.	17.01.06
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Title
ROAD DELINEATOR, GUARD RAIL AND CROSS SECTIONS DETAIL

Project No.	Scale	
1101-26100	AS SHOWN	
Drawing No.	Sheet	Revision
C201	of	0

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2018/01/23 9:00 AM By: Pham, Paul
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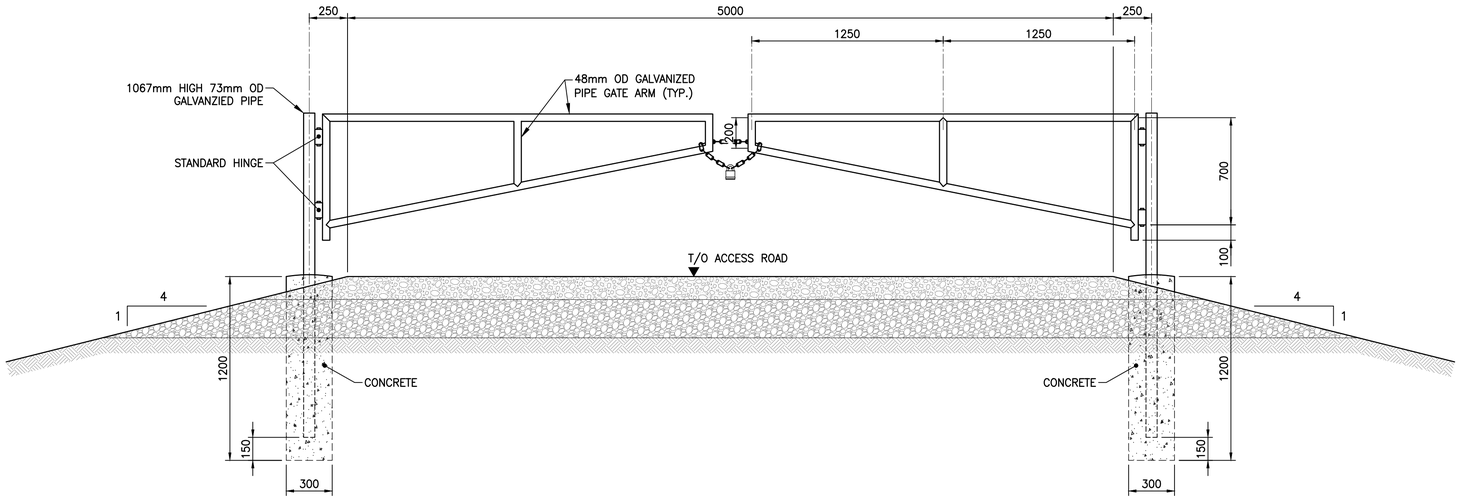
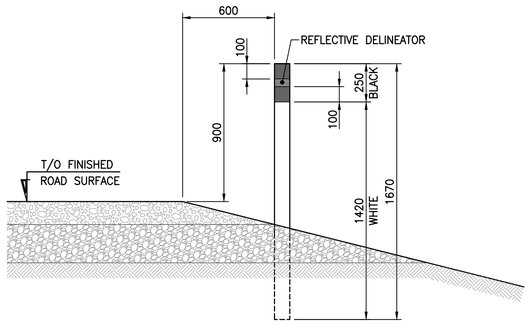
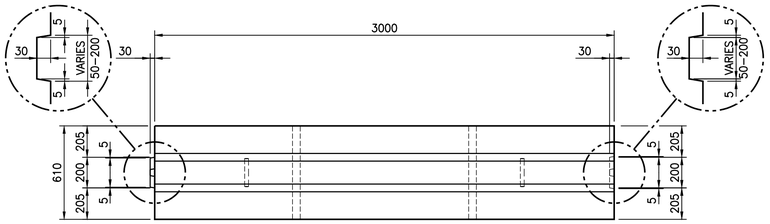


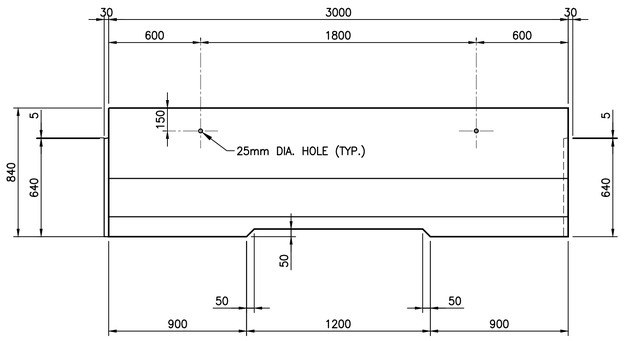
DOUBLE SWING BARRIER GATE DETAIL
1:20



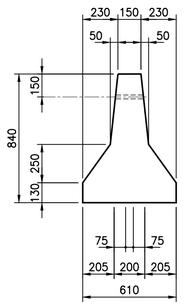
FLEXIBLE GUIDE POST DELINEATION DETAIL
1:20



PLAN



SIDE ELEVATION



END ELEVATION

JERSEY BARRIER DETAIL
1:20

Revision	By	Appd.	YY.MM.DD
A GWICH'IN LAND AND WATER BOARD REVIEW	M.C.M.	D.C.	17.09.26
Issued	By	Appd.	YY.MM.DD

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File Name: C202.dwg	A.J.M.	D.C.	M.M.	17.01.06
	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Title
MISCELLANEOUS DETAILS

Project No.	Scale	
1101-26100	AS SHOWN	
Drawing No.	Sheet	Revision
C202	of	0

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2018/07/23 9:00 AM By: Pham, Tri

ORIGINAL SHEET - ISO A1