

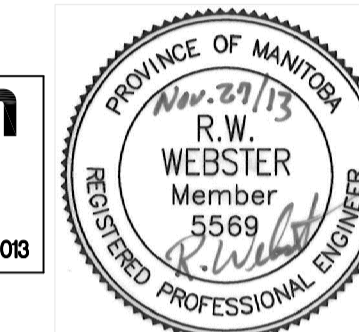
APPENDIX D

Plans and Details

CONSULTANT:

SEAL:

APEGM
 Certificate of Authorization
 GENIVAR Inc.
 No. 5079 Date: November 30, 2013



CLIENT:

LGD OF PINAWA

CLIENT REF. #:

PROJECT:

LGD OF PINAWA
 WASTEWATER STABILIZATION
 POND EXPANSION

KEY PLAN:

DISCLAIMER:
 THIS DRAWING AND DESIGN IS COPYRIGHT PROTECTED WHICH SHALL NOT BE USED, REPRODUCED OR REUSED WITHOUT WRITTEN PERMISSION BY GENIVAR. THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND UTILITY LOCATIONS AND REPORT ALL ERRORS AND OMISSIONS PRIOR TO COMMENCING WORK. THIS DRAWING IS NOT TO BE SCALED.

ISSUED FOR - REVISION:

IS	RE	DATE	DESCRIPTION
1		2013/11/27	EAP SUBMISSION

PROJECT NO:	DATE:
101-15463-01 (OLD# 10-023-00)	2013/11/07
ORIGINAL SCALE:	
1:2000	IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE.
DESIGNED BY:	L.V.C. / J.S.B.
DRAWN BY:	L.V.C. / J.S.B.
CHECKED BY:	R.W.W.

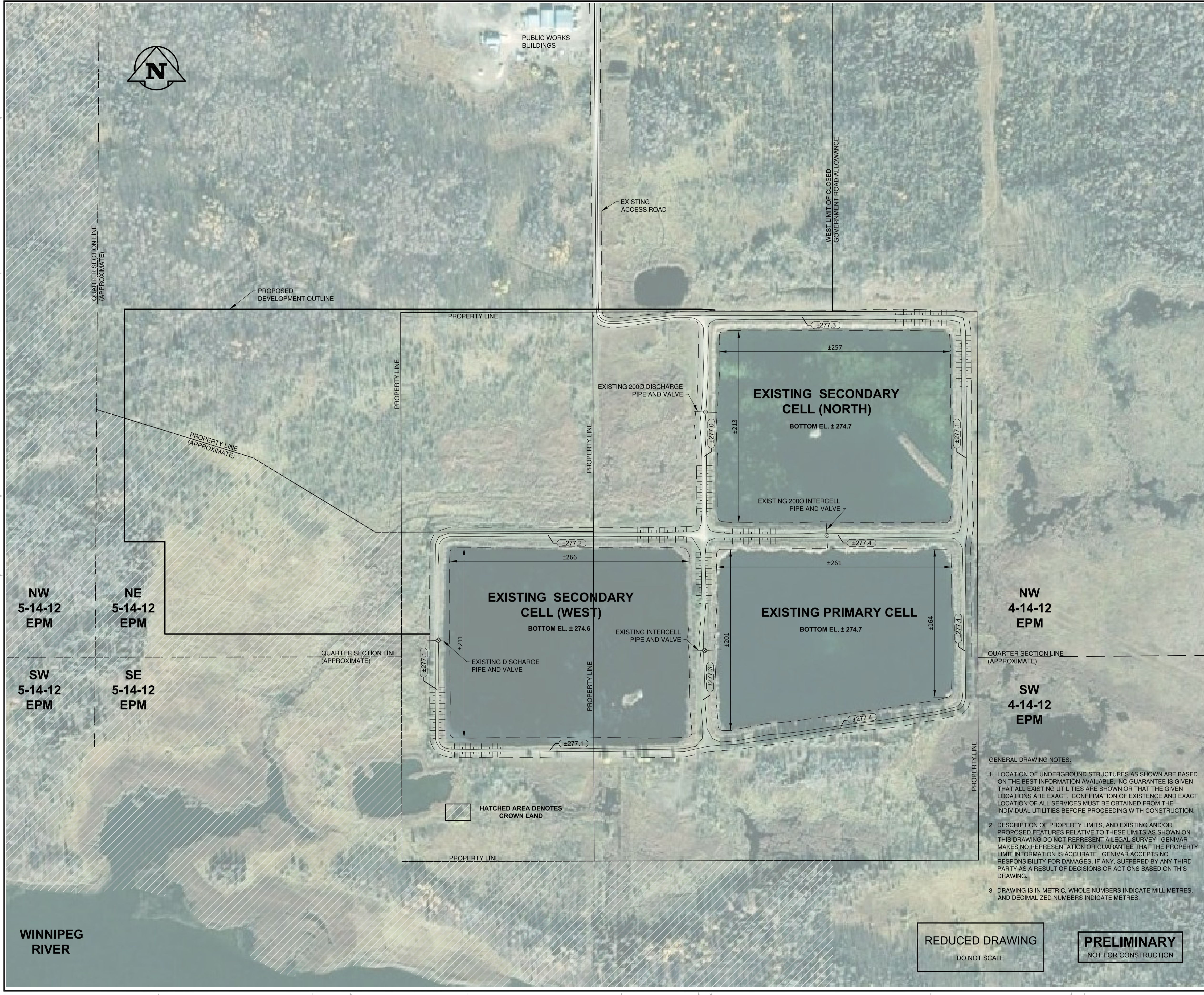
DISCIPLINE: CIVIL

TITLE: EXISTING SITE PLAN

SHEET NUMBER: C01

ISSUE: EAP SUBMISSION
 DATE OF: 2013/11/27

REV #
 0



NW
5-14-12
EPM

NE
5-14-12
EPM

SW
5-14-12
EPM

SE
5-14-12
EPM

NW
4-14-12
EPM

SW
4-14-12
EPM

WINNIPEG
RIVER

REDUCED DRAWING
DO NOT SCALE

PRELIMINARY
NOT FOR CONSTRUCTION

PUBLIC WORKS
BUILDINGS

EXISTING
ACCESS ROAD

WEST LIMIT OF CLOSED
GOVERNMENT ROAD ALLOWANCE

QUARTER SECTION LINE
(APPROXIMATE)

PROPOSED
DEVELOPMENT OUTLINE

PROPERTY LINE

PROPERTY LINE

PROPERTY LINE
(APPROXIMATE)

PROPERTY LINE

QUARTER SECTION LINE
(APPROXIMATE)

PROPERTY LINE

QUARTER SECTION LINE
(APPROXIMATE)

PROPERTY LINE

HATCHED AREA DENOTES
CROWN LAND

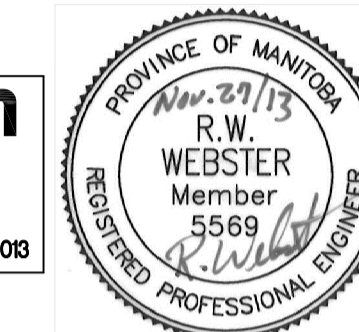
PROPERTY LINE

- GENERAL DRAWING NOTES:
1. LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE. NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.
 2. DESCRIPTION OF PROPERTY LIMITS, AND EXISTING AND/OR PROPOSED FEATURES RELATIVE TO THESE LIMITS AS SHOWN ON THIS DRAWING DO NOT REPRESENT A LEGAL SURVEY. GENIVAR MAKES NO REPRESENTATION OR GUARANTEE THAT THE PROPERTY LIMIT INFORMATION IS ACCURATE. GENIVAR ACCEPTS NO RESPONSIBILITY FOR DAMAGES, IF ANY, SUFFERED BY ANY THIRD PARTY AS A RESULT OF DECISIONS OR ACTIONS BASED ON THIS DRAWING.
 3. DRAWING IS IN METRIC. WHOLE NUMBERS INDICATE MILLIMETRES, AND DECIMALIZED NUMBERS INDICATE METRES.

CONSULTANT:

SEAL:

APEGM
 Certificate of Authorization
 GENIVAR Inc.
 No. 5079 Date: November 30, 2013



CLIENT:

LGD OF PINAWA

CLIENT REF. #:

PROJECT:

LGD OF PINAWA
 WASTEWATER STABILIZATION
 POND EXPANSION

KEY PLAN:

DISCLAIMER: THIS DRAWING AND DESIGN IS COPYRIGHT PROTECTED WHICH SHALL NOT BE USED, REPRODUCED OR REVISED WITHOUT WRITTEN PERMISSION BY GENIVAR. THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND UTILITY LOCATIONS AND REPORT ALL ERRORS AND OMISSIONS PRIOR TO COMMENCING WORK. THIS DRAWING IS NOT TO BE SCALED.

ISSUED FOR - REVISION:

IS	RE	DATE	DESCRIPTION
1		2013/11/27	EAP SUBMISSION

PROJECT NO:	101-15463-01 (OLD# 10-023-00)	DATE:	2013/11/07
ORIGINAL SCALE:	1:1250	IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE.	
DESIGNED BY:	L.V.C. / J.S.B.		
DRAWN BY:	L.V.C. / J.S.B.		
CHECKED BY:	R.W.W.		

DISCIPLINE: CIVIL

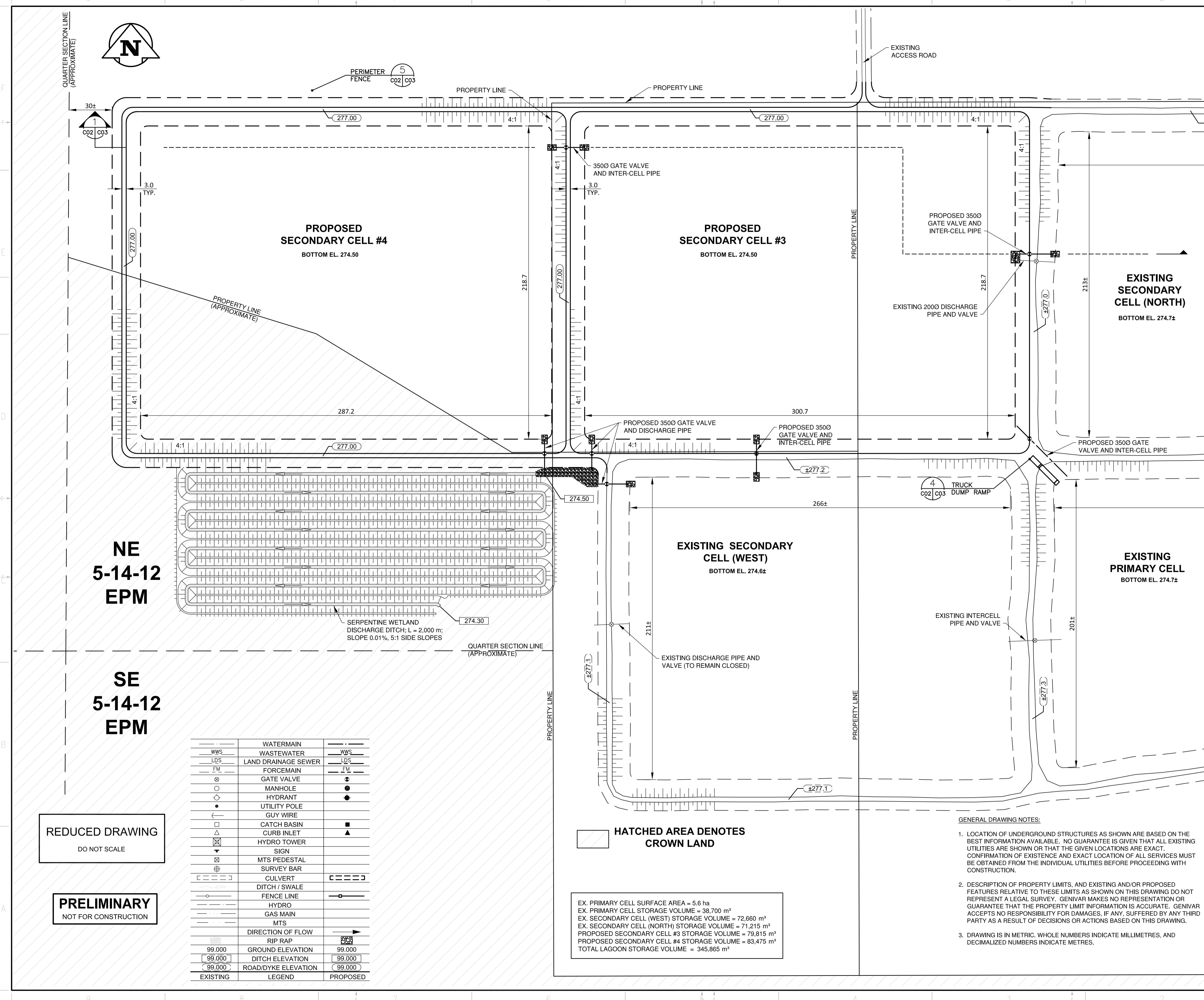
TITLE: PROPOSED SITE PLAN

SHEET NUMBER: C02

ISSUE: EAP SUBMISSION

DATE OF: 2013/11/27

REV # 0



REDUCED DRAWING
DO NOT SCALE

PRELIMINARY
NOT FOR CONSTRUCTION

EXISTING	LEGEND	PROPOSED
—	WATERMAIN	—
—	WASTEWATER	—
—	LAND DRAINAGE SEWER	—
—	FORCEMAIN	—
⊙	GATE VALVE	⊙
○	MANHOLE	●
○	HYDRANT	●
•	UTILITY POLE	•
—	GUY WIRE	—
□	CATCH BASIN	□
△	CURB INLET	▲
⊠	HYDRO TOWER	⊠
▽	SIGN	▽
⊠	MTS PEDESTAL	⊠
⊠	SURVEY BAR	⊠
—	CULVERT	—
—	DITCH / SWALE	—
—	FENCE LINE	—
—	HYDRO	—
—	GAS MAIN	—
—	MTS	—
→	DIRECTION OF FLOW	→
■	RIP RAP	■
99.000	GROUND ELEVATION	99.000
99.000	DITCH ELEVATION	99.000
99.000	ROAD/DYKE ELEVATION	99.000
—	EXISTING	—
—	LEGEND	—
—	PROPOSED	—

HATCHED AREA DENOTES CROWN LAND

EX. PRIMARY CELL SURFACE AREA = 5.6 ha
 EX. PRIMARY CELL STORAGE VOLUME = 38,700 m³
 EX. SECONDARY CELL (WEST) STORAGE VOLUME = 72,660 m³
 EX. SECONDARY CELL (NORTH) STORAGE VOLUME = 71,215 m³
 PROPOSED SECONDARY CELL #3 STORAGE VOLUME = 79,815 m³
 PROPOSED SECONDARY CELL #4 STORAGE VOLUME = 83,475 m³
 TOTAL LAGOON STORAGE VOLUME = 345,865 m³

- GENERAL DRAWING NOTES:**
1. LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE. NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.
 2. DESCRIPTION OF PROPERTY LIMITS, AND EXISTING AND/OR PROPOSED FEATURES RELATIVE TO THESE LIMITS AS SHOWN ON THIS DRAWING DO NOT REPRESENT A LEGAL SURVEY. GENIVAR MAKES NO REPRESENTATION OR GUARANTEE THAT THE PROPERTY LIMIT INFORMATION IS ACCURATE. GENIVAR ACCEPTS NO RESPONSIBILITY FOR DAMAGES, IF ANY, SUFFERED BY ANY THIRD PARTY AS A RESULT OF DECISIONS OR ACTIONS BASED ON THIS DRAWING.
 3. DRAWING IS IN METRIC. WHOLE NUMBERS INDICATE MILLIMETRES, AND DECIMALIZED NUMBERS INDICATE METRES.

CONSULTANT:

SEAL:



CLIENT:

LGD OF PINAWA

CLIENT REF. #:

PROJECT:

LGD OF PINAWA
 WASTEWATER STABILIZATION
 POND EXPANSION

KEY PLAN:

DISCLAIMER: THIS DRAWING AND DESIGN IS COPYRIGHT PROTECTED WHICH SHALL NOT BE USED, REPRODUCED OR REVISED WITHOUT WRITTEN PERMISSION BY GENIVAR. THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND UTILITY LOCATIONS AND REPORT ALL ERRORS AND OMISSIONS PRIOR TO COMMENCING WORK. THIS DRAWING IS NOT TO BE SCALED.

ISSUED FOR - REVISION:

IS	RE	DATE	DESCRIPTION
1		2013/11/27	EAP SUBMISSION

PROJECT NO:

DATE:

ORIGINAL SCALE:

NTS

DESIGNED BY:

L.V.C. / J.S.B.

DRAWN BY:

L.V.C. / J.S.B.

CHECKED BY:

R.W.W.

DISCIPLINE:

CIVIL

TITLE:

CELL SECTION, SIGNAGE,
 TRUCK DUMP RAMP AND
 FENCE DETAILS

SHEET NUMBER:

C03

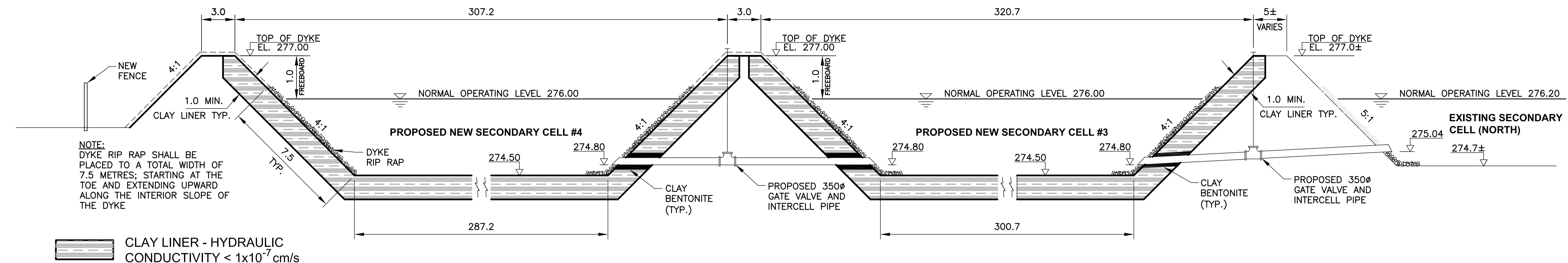
ISSUE:

EAP SUBMISSION

DATE OF: 2013/11/27

REV #

0



1 WEST-EAST SECTION OF PROPOSED CELLS AND EXISTING NORTH SECONDARY CELL
 N.T.S.

900 x 1300

DANGER

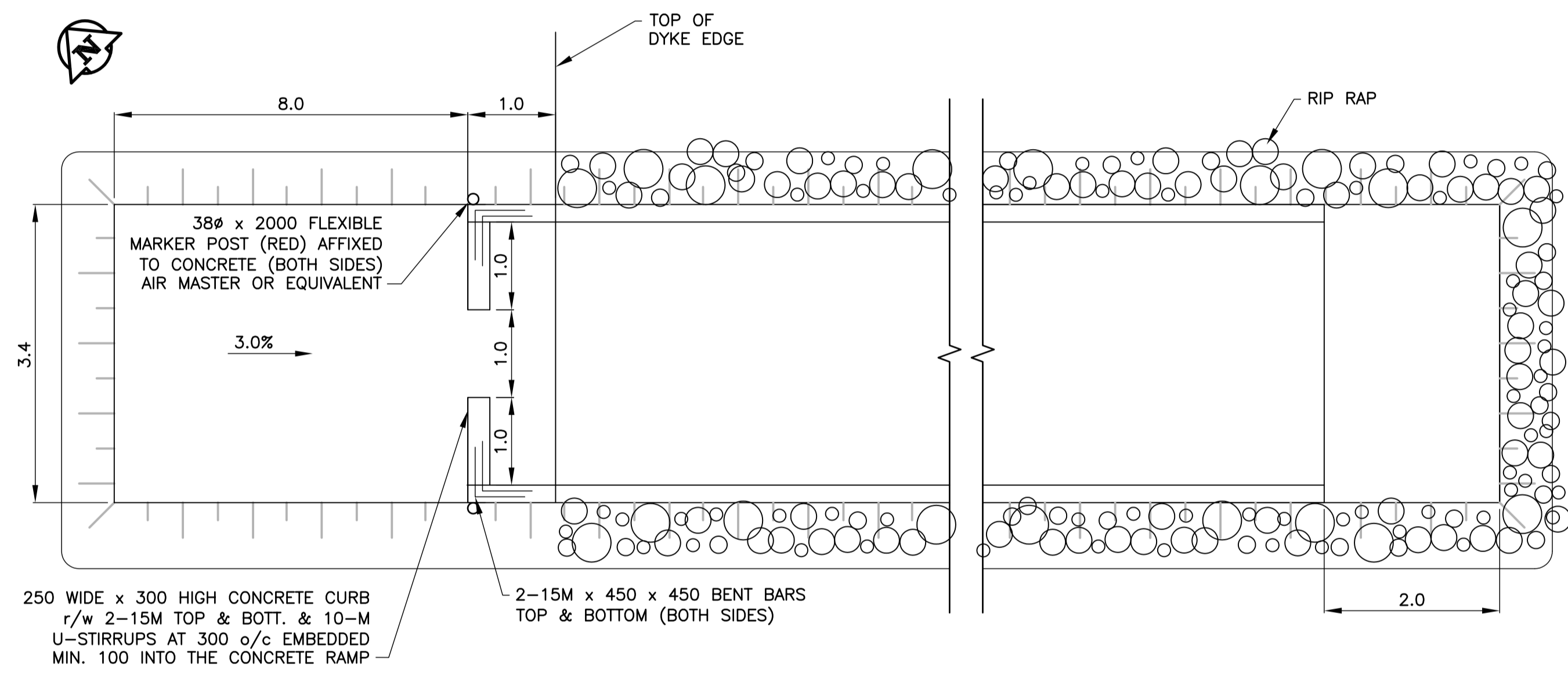
PINAWA LGD WASTEWATER STABILIZATION FACILITY

REPORT TO PINAWA LGD OFFICE PRIOR TO ENTERING FACILITY

TEL: 204-753-5106

- NOTE:
- 1) MAIN ENTRANCE SIGNAGE TO BE ATTACHED AND INSTALLED WITH TWO 4X4 PRESSURE TREATED WOOD POSTS
 - 2) SIGN TO BE CONSTRUCTED OF ALUMINUM, AIR MASTER QUALITY OR APPROVED EQUAL.

2 MAIN ENTRANCE SIGNAGE DETAIL
 N.T.S.



4 TRUCK DUMP RAMP DETAIL
 N.T.S.

750 x 900

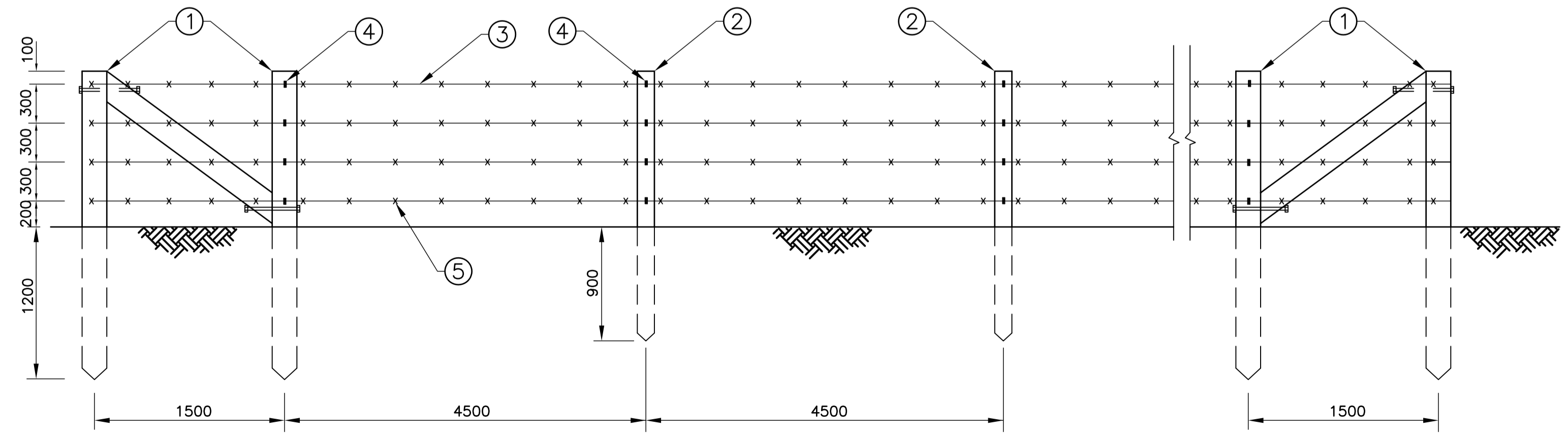
DANGER

PINAWA LGD WASTEWATER STABILIZATION FACILITY

- PERIMETER FENCE SIGNAGE NOTES:
- 1) PERIMETER SIGNAGE TO BE SECURED TO PERIMETER FENCE POSTS EVERY 50 m AROUND ENTIRE FACILITY
 - 2) SIGNS TO BE CONSTRUCTED OF ALUMINUM, AIR MASTER QUALITY OR APPROVED EQUAL

3 PERIMETER FENCE SIGNAGE DETAIL (TYP.)
 N.T.S.

- NOTES:
1. CORNER POSTS: 175ø TREATED WOOD POST, 2400mm LONG
 2. REGULAR POSTS: 125ø TREATED WOOD POST, 2100mm LONG
 3. 2 STRAND 2ø GALVANIZED WIRE (TYP.)
 4. WIRE FENCE STAPLES (TYP.)
 5. 4 POINT BARBS (TYP.)



5 PERIMETER FENCE DETAIL
 N.T.S.

PRELIMINARY
 NOT FOR CONSTRUCTION

GENERAL DRAWING NOTES:

1. DRAWING IS IN METRIC. WHOLE NUMBERS INDICATE MILLIMETRES, AND DECIMALIZED NUMBERS INDICATE METRES.