

**DEWDNEY AREA IMPROVEMENT DISTRICT**

Box 3005, Mission B.C. V2V 4J3

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**TRUSTEES BOARD MEETING**

**Wednesday October 22, 2014 – 7.00 PM**

**Hatzic Prairie Community Hall, 10845 Farms Road, Hatzic Prairie**

**MINUTES**

**In Attendance:** Doug McNeill (Chair)

Gus Derewenko

Ernest Loewen

Deb McKay

Peter Schalkx

Brett Vander Wyk

Larry Wiens – project manager

Peter Hanslo – administrator and finance officer

Bruce Edwards – engineering consultant

Ron Beck – dike manager

Darrell McDonald – assistant dike manager

**Absent:** Craig Brooks

Steve Dimond (out of province)

Doug Sinitsin

**Ratepayers in  
attendance:**

20

**Call to Order:** Chair 7.16 pm.

**Motion:** To adopt October 22, 2014 meeting agenda.  
D.McKay/B. Vander Wyk. Vote: unanimous in favour. Motion passed.

**Motion:** To adopt June 2, 2014 meeting minutes.  
E.Loewen/G.Derewenko. Vote: unanimous in favour. Motion passed.

**Sign:** June 2, 2014 meeting minutes signed.

**Motion:** To adopt July 14, 2014 meeting minutes.  
D.McKay/B. Vander Wyk. Vote: unanimous in favour. Motion passed.

**Sign:** July 14, 2014 meeting minutes signed.

**Motion:** To adopt August 25, 2014 in-camera meeting minutes. It is noted that the meeting opened with the presence of only four trustees but the late arrivals of trustees D. Sinitsin and B. Vander Wyk completed the required trustee quorum numbers in order to conduct district business. The signing of a resolution followed to call the meeting.

E. Loewen/B. Vander Wyk. Vote: unanimous in favour. Motion passed.

**Sign:** August 25, 2014 in-camera meeting minutes signed.

**Motion:** To adopt September 8, 2014 meeting minutes.  
D.McKay/B. Vander Wyk. Vote: unanimous in favour. Motion passed.

**Sign:** September 8, 2014 meeting minutes signed.

## REPORTS

**Dike and pump station maintenance report:** Ron Beck Refer appendix 1.

**Administration and finance report:** P. Hanslo Refer appendix 1.

**Project management report:** L. Wiens Refer appendix 2.

## CURRENT BUSINESS

### Dewdney Boat Launch

Following on Fraser Valley Regional District's presentation at DAID's September 8, 2014 board meeting on the subject of the Dewdney Boat Launch, Christina Vugteveen (FVRD Parks Manager) requested DAID's opinion on their proposed **vision statement** for the site: "The safest, family friendly boat launch near the Fraser." After input from various board members, the following suggestions were made:

- Mr. Hanslo to inquire from FVRD about their timeline on the various proposals put forward to them by DAID at previous meetings;
- Mention to FVRD that during the Spring freshet the boat launch site is out of commission due to seasonal flooding;
- That the word "safest" in the vision statement has a high public liability risk element;

- That road access and road improvement cost issues remain high on DAID's list of concerns;
- That FVRD consider making a relatively brief presentation on the subject at DAID.s next annual general meeting in April 2015;
- Trustee Deb McKay proposed the following **motion**:  
 "To strike a committee to provide recommendations for the board to consider regarding improvements to the Dewdney Boat Launch and that those recommendations be presented **before** the DAID next annual general meeting in April 2015."

Motion seconded by: P.Schalkx. Vote: unanimous in favour. Motion passed.

- The following board members and district property owners volunteered to serve on the Dewdney Boat Launch Recommendations Committee:

for DAID:	Gus Derewenko
	Peter Schalkx
	Brett Vander Wyk
for property owners:	Rick Dekker
	Dave Durante
	Greg McKinley
	Wayne Robertson

#### **Form a committee to review DAID's election procedures**

In an email dated September 2, 2014 trustee Steve Dimond wrote as follows: "While it is early, the Board may consider forming a committee to review the election procedures, for presentation to and confirmation by the electorate at the following Annual General Meeting in 2015." The board unanimously agreed to table this subject for the next trustees meeting on November 26, 2014 when hopefully trustee Dimond will return to B.C. and join in on the conversation.

**Motion** proposed by: D. McKay. Seconded: P. Schalkx. Vote: unanimous in favour.  
 Motion passed.

**2014 DAID trustees Christmas appreciation dinner****Motion:**

Proposal to approve of the event: B. Vander Wyk. Seconded: E. Loewen. Vote: unanimous in favour. Motion passed.

Last year's Christmas dinner was held at the Keg Restaurant in Abbotsford on December 5, 2013. Trustees agreed to use the same venue and asked Mr. Hanslo to contact the restaurant to look at the dates of December 4 or December 11, for a table reservation.

**Ratepayers' question period**

All questions raised by district property owners during the course of the evening's meeting, were responded to by DAID board members and staff.

**Set date, time and location of next board meeting.**

Next board meeting scheduled for Wednesday November 26, 2014 starting 7.00 pm held at the Hatzic Prairie Community Hall, 10845 Farms Road, Hatzic Prairie. B.C. At the request of staff member Bruce Edwards, a provincial government invasive plant specialist will be invited to make a "Flowering Rush" information presentation as the first item of business on that evening's agenda. The presentation, inclusive of a question-and-answer session, should take 90 minutes.

**Meeting adjourned:** 9.45 pm

*Onyiah  
acknowledged*

## APPENDIX 1

### Dike maintenance manager report: R. Beck

- Regular daily visits to pumphouse for maintenance purposes;
- October 17: Wes McKimmon completed Fall mowing on the dike;
- Removed floating boom stick from slough near pumphouse to avert potential damage;
- October 18: placement of nine warning signs on the dike after September incident when a dog drowned in the slough near the new pumphouse (refer also project manager's report).

End of report.

### Administration and finance officer report: P. Hanslo

- Update report on the collection of 2014 diking taxes (all numbers rounded to nearest \$1,000)

Outstandings from 2013	\$ 34,000
Add: 2014 taxes	<u>\$299,000</u>
Total outstandings	\$333,000
Collected 2014	<u>\$274,000</u>
Outstanding to-date	<u>\$ 59,000</u> representing 110 property owners
- Intake 2013 September update report – Hatzic Slough sediment management project – submitted to EMBC on October 15, 2014. Next up-date report due November 15, 2014;
- DAID September 2014 financial statements emailed to trustees October 12, 2014;
- Thanks again to Brenda Koop for her work to have DAID's meeting notices posted on community notice boards.

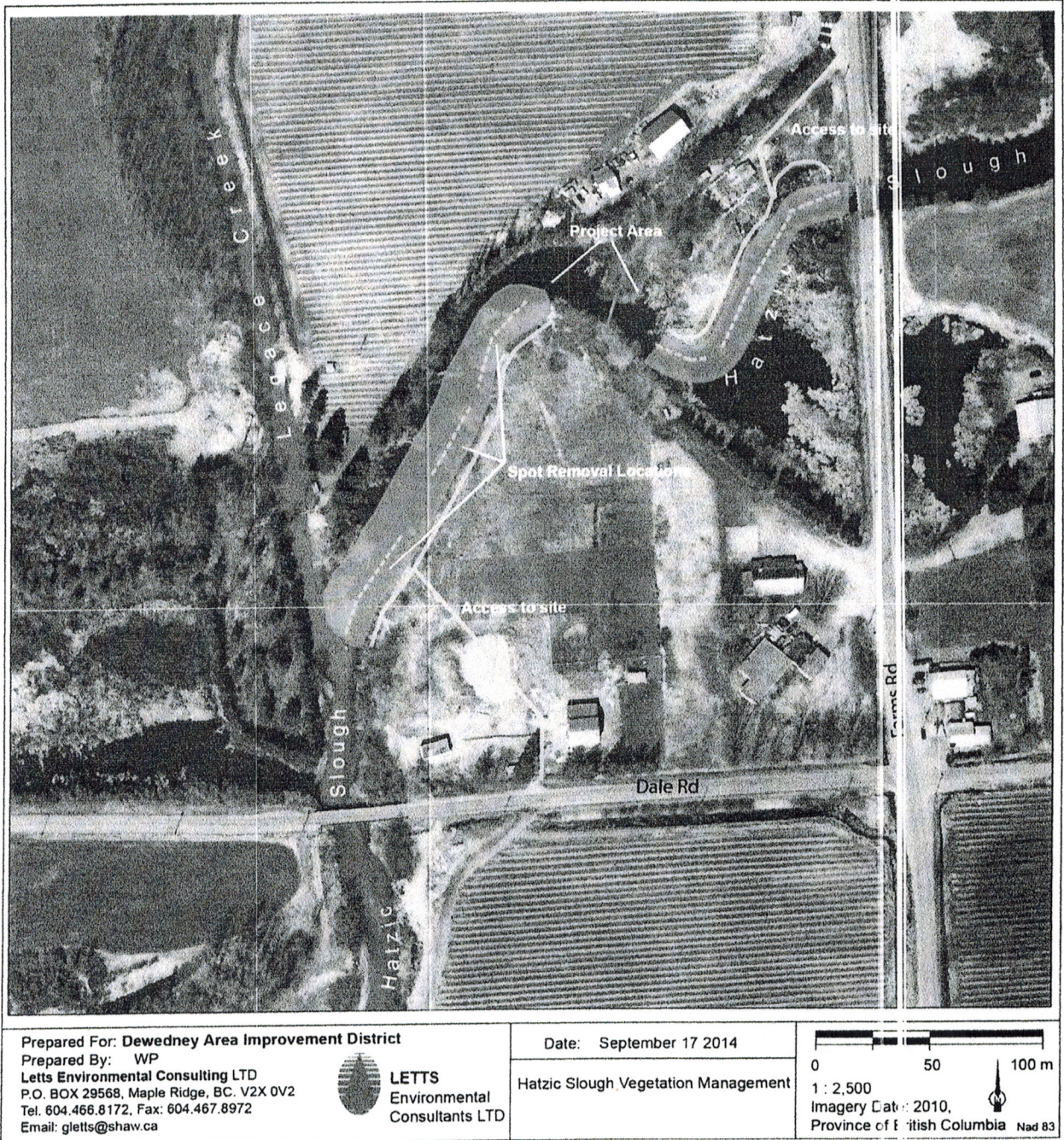
End of report.

## APPENDIX 2

### Project manager report: L. Wiens

- A dog drowning incident occurred near the new pumphouse mid-September. Apparently a person riding her horse on the dike whilst “walking” several dogs, had one of the dogs run through an open gate into the slough near the pump station. The water current pulled the unfortunate animal through the flood box and he was found dead on the other side. On being questioned by a local newspaper reporter, Mr. Wiens responded by saying that the Dewdney Area Improvement Area dike was private property owned by the district. Mr. Wiens added that he is aware that the sign on the gate at the parking area informing the public that the dike is private property, is often ignored. As an additional precautionary measure Mr. Wiens said that he planned to have more warning signs placed on the dike with immediate effect.
- Mr. Wiens recently supervised a clean-out of stream vegetation some 100 meters up from the Dale Road Bridge, just off Farms Road. Five beaver dams ( four old, one new) were also removed. Result: an instant drop of around 30-40 centimeters in stream -levels thus providing immediate protection against flooding of farm lands and roads in Hatzic Prairie as has happened in previous years. Emil Anderson Maintenance Co. Ltd. who is responsible for ditch-cleaning in the district offered to contribute \$5,000 to the \$6,200 cost of the clean-out.
- A show-and-tell display of several regional maps provided Mr. Wiens with the background for explaining in some detail the work in progress under the current Hatzic Slough Sediment Management Program (EMBC Intake 2013) and the proposed twelve sand recovery stations (SRS's) included in the plans for Hatzic Slough. Projected silt/sand clean-out volumes will be between 1,500 – 2,000 cubic meters per SRS for a total of 9,000 – 12,000 cubic meters for the 6 SRS's of each kind. DAID will have first right to sell the sediment to cover DAID's cost of removal plus 10%. Thereafter the balance of the silt/sand will belong to the landowner(s).
- District landowners Mr. Robert Dale and Mr. Nachatter Jhulley have already signed agreements with DAID to facilitate the SRS's.
- Heavy precipitation is forecast for the Lower Mainland and into the Fraser Valley over the next week(s). DAID will activate pumps, if necessary, to drain off Hatzic Lake to safety levels.
- Department of Fisheries recently expressed their satisfaction with the district's new pump station and the fish-friendly flood gates.
- In a recent discussion with the Water Branch, Mr. Wiens was informed that they (Water Branch) will issue a blanket permit approval for the district's present and future projects which will then only require a “section 9” approval for each individual project.

**End of report**



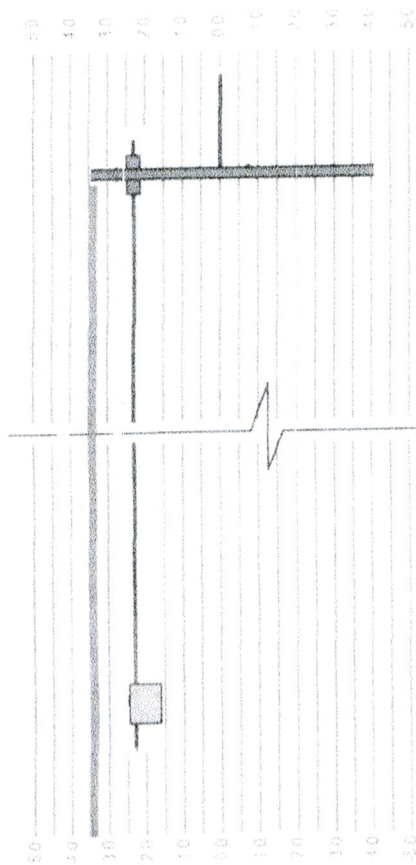
**Figure 2.** Spot sedimentation removal is proposed along the two reaches of stream highlighted in Red. The spot vegetation removal approach is highlighted by the yellow dashed line through areas of high vegetation density.

# NOTES

1. In these notes, the Engineer is Landtec Consultants Ltd.
2. The attached drawings should be read with these notes.
3. The location of all the services must be confirmed by the Contractor. Installation for anchors is not to commence until all service locations have been established and a memo stating such has been forwarded by the Contractor to the Engineer. The Contractor shall obtain all relevant utility location drawings and approvals from all utility companies whose utilities are within the anchor penetration zone.
4. All relevant permits from governing authorities (if required) shall be in place prior to start of the excavation.
5. All relevant information which may affect performance of the shoring system (streets, storage areas etc.) shall be reported in writing to the Engineer prior to start of construction.
6. Encroachment Agreements, from the adjacent property owners where anchors and/or the excavation will be encroaching, shall be obtained and forwarded to Landtec prior to commencement of work.
7. The Contractor must report all dimensional discrepancies in the drawings to the Engineer.
8. The Contractor shall confirm the location and condition of all elements which may get damaged during anchor installation. Elements which may be damaged in the opinion of the Contractor shall be reported to the Engineer prior to the work.
9. Where specialized dewatering systems are required, the excavating shoring Contractor's work shall be undertaken in such a manner and sequence to ensure that damage to the shoring system and adjacent properties does not occur.

## MATERIALS

1. Permanent Sheet Piles are to be A735 S75.
2. Sheet Pile Deadman to be as approved by the Engineer.
3. Tie Back anchors shall be Dywidag threaded bar or equivalent approved by the Engineer.



S-CROSS LOCK BLOCK

A735 S75 SHEET PILE



PERMANENT SHEET PILE WALL

DATE: 25. 04. 2014

L1007-9

PROJECT: HATFIELD PRAIRIE 2013 FLOOD MITIGATION WORK  
HATFIELD, BC

LANDTEC  
CONSULTANTS LTD.



PILE ROD ASSEMBLY DETAILS  
N/A

**MATERIAL SPECIFICATIONS**

For Details Consult of Reference Drawing for Anchor System

**#14 AND #18 DYWIDAG THREADBAR DCP ANCHOR**

The anchor rods and tie rods are specified according to CSA G40.21-18, 362

	#14 Bar	#18 Bar
GRADE	517 MPa VPS	517 MPa VPS
YIELD STRENGTH	485 MPa	485 MPa
TENSILE STRENGTH	517 MPa	517 MPa
MIN. TENSILE STRENGTH	517 MPa	517 MPa
MIN. TENSILE STRENGTH	517 MPa	517 MPa
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**CORROSION PROTECTION OF ANCHOR**

The anchor rods and tie rods are specified according to CSA G40.21-18, 362

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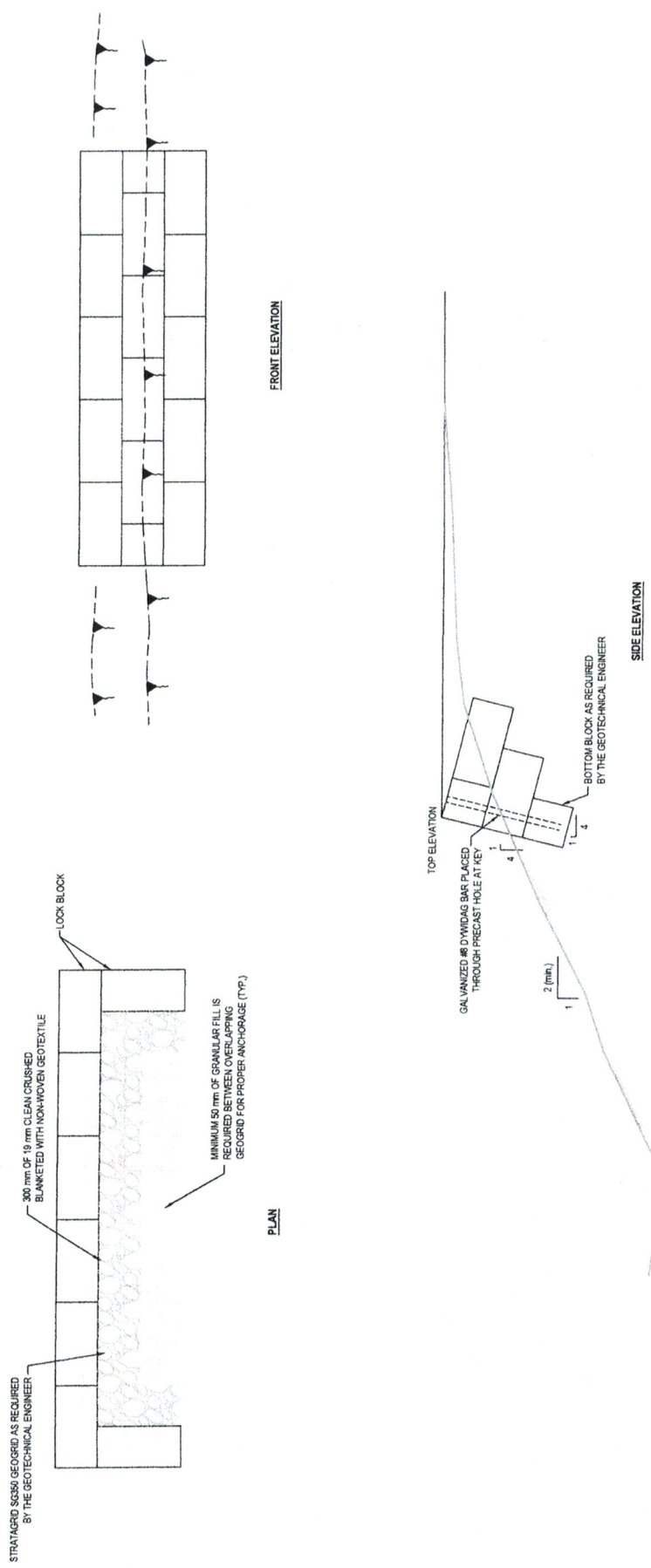
The anchor rods and tie rods are specified according to CSA G40.21-18, 362

PROJECT NO: L1007  
DATE: AUG 25, 2014  
TITLE: PERMANENT SHEET PILE DESIGN  
DYWIDAG THREADBAR TIE ROD WITH DOUBLE CORROSION PROTECTION

PROJECT: HATZIC PRAIRIE 2014 FLOOD MITIGATION WORK  
HATZIC, BC

LANDTEC  
CONSULTANTS LTD.

File: P\1007



FRONT ELEVATION

PLAN

SIDE ELEVATION

DESIGNED BY: DG	PROJECT No: L1007
DRAFTED BY: SG	
CHECKED BY: DG	
DATE: October 21, 2014	DRAWING No: L1007-11
SCALE: NTS	

SAND RECOVERY STATION DETAIL  
HATZIC PRAIRIE FLOOD PROTECTION PROGRAM  
HATZIC, BC

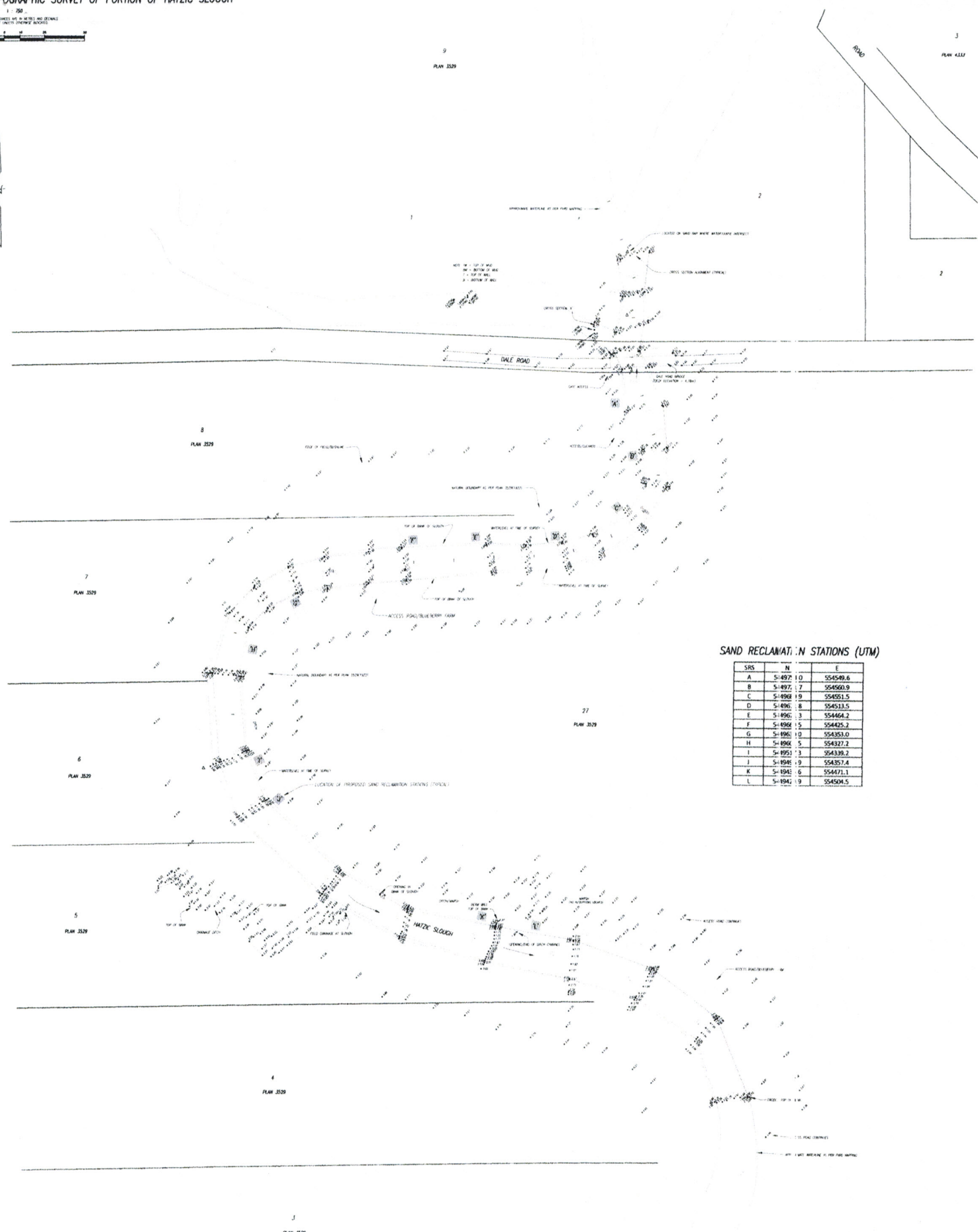
29459 Marsh-McCormick Road  
Abbotsford, BC V4X 2B4  
Ph: 604 308-7755

**LANDTEC**  
CONSULTANTS LTD.

# TOPOGRAPHIC SURVEY OF PORTION OF HATZIC SLOUGH

SCALE 1" = 250'

ALL DISTANCES ARE IN METERS AND DECIMALS  
UNLESS OTHERWISE INDICATED



## SAND RECLAMATION STATIONS (UTM)

SRS	N	E
A	S-4972 10	554549.6
B	S-4972 7	554560.9
C	S-4968 19	554551.5
D	S-4968 8	554513.5
E	S-4968 3	554464.2
F	S-4968 15	554425.2
G	S-4968 10	554353.0
H	S-4968 5	554327.2
I	S-4952 1	554339.2
J	S-4948 9	554357.4
K	S-4943 6	554471.1
L	S-4942 9	554504.5

ELEVATIONS ARE IN METERS (GEODESIC)  
ELEVATIONS REFERENCED TO HAZE BENCHMARK ON BL 372  
ELEVATION = 5.24m (OBSERVED ON DALE RD BRIDGE)

WATER & COASTAL LAND SURVEYING LTD.  
30 LAMB DRIVE  
BURNABY, B.C. V5C 4P5  
PHONE: (604) 326-2581 OR 463-4751  
FAX: (604) 326-2581

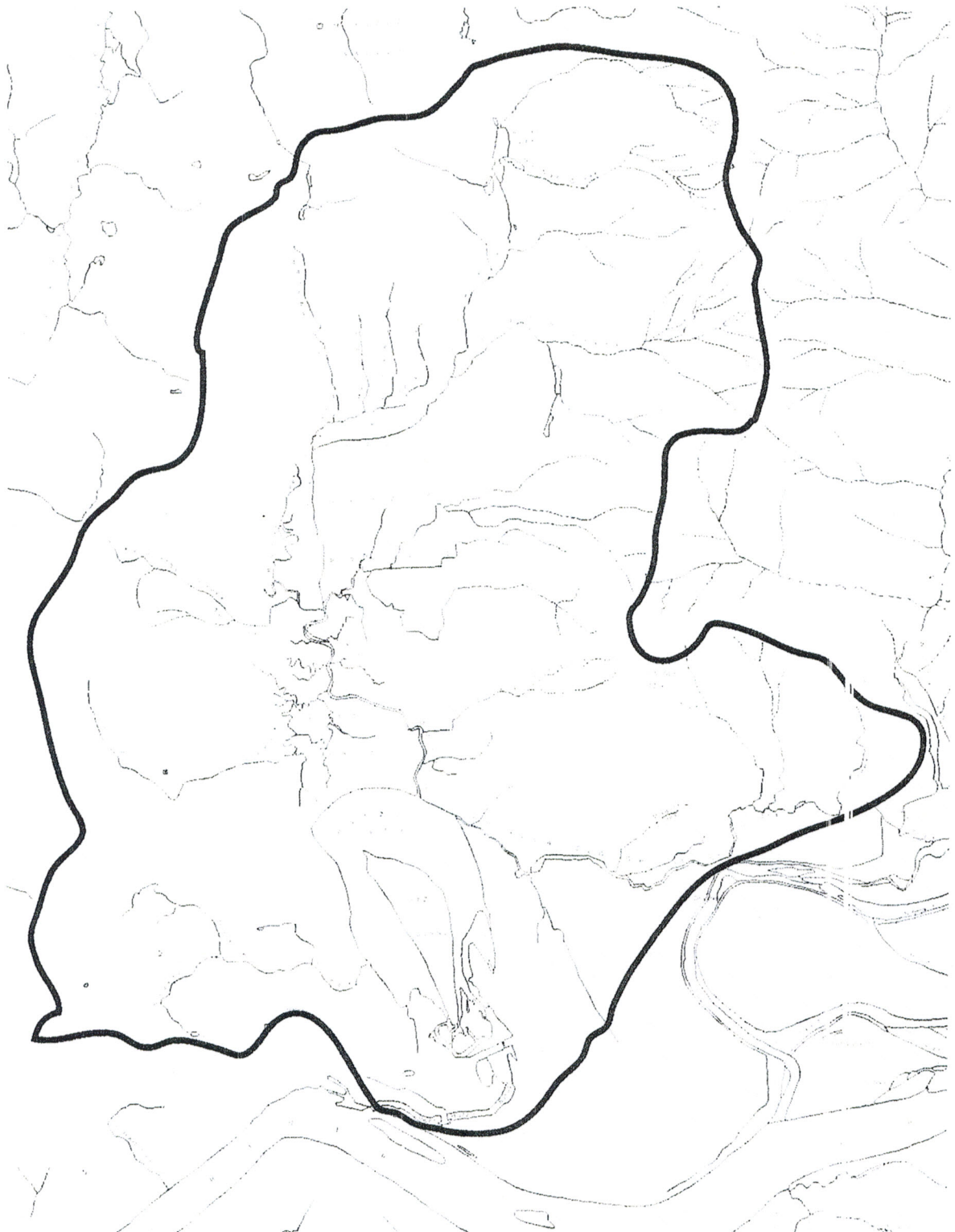
PREPARED FOR: GND

SURVEYED:  
MAY 11, 2014  
JUNE 11, 2014  
AUGUST 11, 2014  
SEPTEMBER 12, 2014  
DRAWING DATE:  
OCTOBER 16, 2014

## CBE 2014 October 16

52.4 feet

Sheet pile supply	10		\$1,653	\$16,525	6	\$99,152
Pile driving: Surespan quote	10		\$1,257	\$12,574	6	\$75,446
Walers, LockBlock deadmen & Dywidag tendons				\$1,000	6	<u>\$6,000</u>
<b>Sheet piles, installed</b>				<b>\$30,100</b>	<b>8</b>	<b>\$180,597</b>
Access roads, site prep, & lock-blocks				\$5,000	12	\$60,000
Lock block markers	10	15	\$50	\$500	6	\$3,000
Gauge stations: Automatic				\$1,800	3	\$5,400
Gauge stations: Manual				\$400	12	\$4,800
Project management & engineering						\$120,000
Geotech engineering						\$20,000
DownRite Drilling						\$3,000
Survey						\$35,000
Environmental permitting & monitoring						\$40,000
Flow measurement, watercourse survey, sampling & analysis						\$5,000
Contingencies	Percent	24%				<b>\$148,203</b>
Total						<b>\$625,000</b>



**Figure 1:** Hatzic lake in the Hatzic Prairie Watershed which drains an area of 90 km<sup>2</sup> (Province of British Columbia; 2013)