

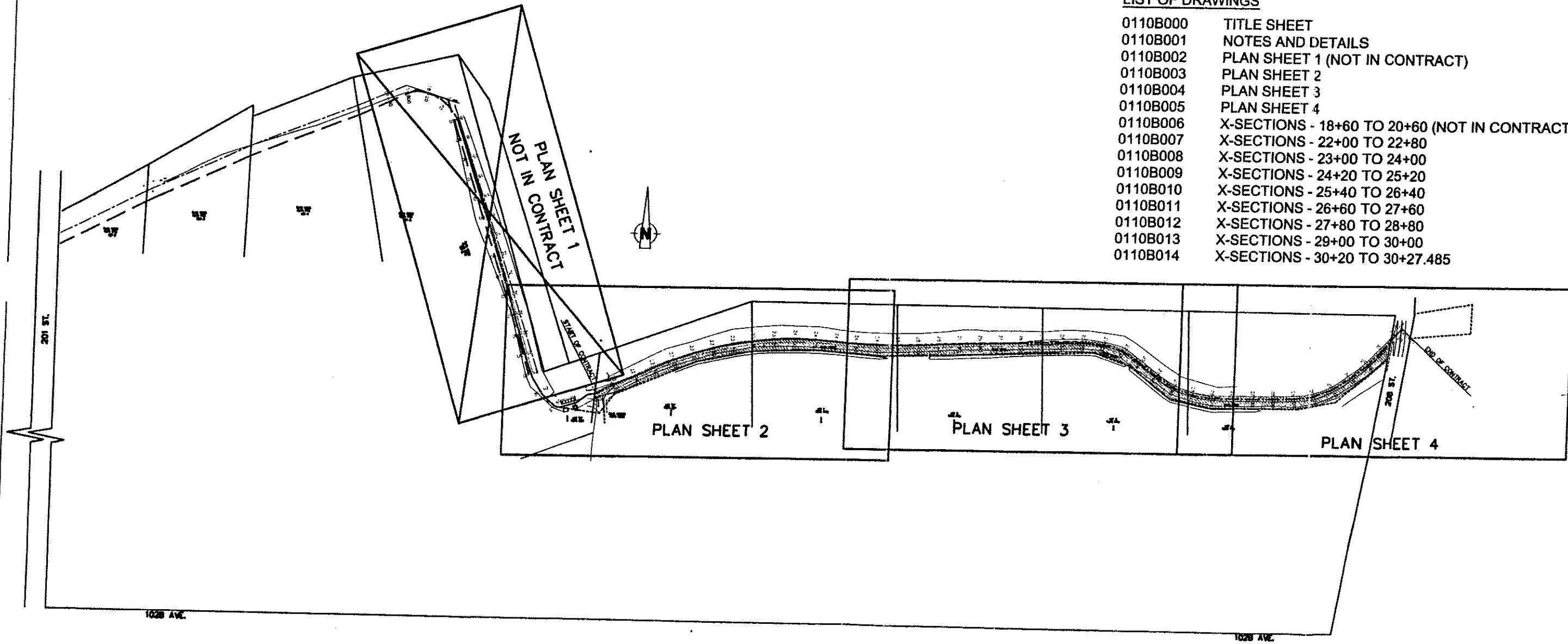
# WEST LANGLEY DYKE UPGRADE

## TOWNSHIP FILE No. 3630-D12

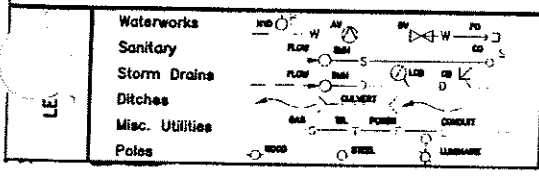
### Contract No. FT-141

#### LIST OF DRAWINGS

0110B000	TITLE SHEET
0110B001	NOTES AND DETAILS
0110B002	PLAN SHEET 1 (NOT IN CONTRACT)
0110B003	PLAN SHEET 2
0110B004	PLAN SHEET 3
0110B005	PLAN SHEET 4
0110B006	X-SECTIONS - 18+60 TO 20+60 (NOT IN CONTRACT)
0110B007	X-SECTIONS - 22+00 TO 22+80
0110B008	X-SECTIONS - 23+00 TO 24+00
0110B009	X-SECTIONS - 24+20 TO 25+20
0110B010	X-SECTIONS - 25+40 TO 26+40
0110B011	X-SECTIONS - 26+60 TO 27+60
0110B012	X-SECTIONS - 27+80 TO 28+80
0110B013	X-SECTIONS - 29+00 TO 30+00
0110B014	X-SECTIONS - 30+20 TO 30+27.485



CERTIFIED RECORD DRAWING



BENCHMARK

**LEVELTON**  
Engineering Solutions

Levelton Engineering Ltd.  
150-12791 Clave Place Tel: 604 278-1411  
Nanaimo, B.C. Fax: 604 278-1943  
FILE No. 801-0197-01

SEAL

NOTES

**UTILITIES AND APPURTENANCES**

CONTRACTOR TO CONTACT TELUS, B.C. HYDRO AND B.C. GAS PRIOR TO CONSTRUCTION TO CONFIRM LOCATIONS OF UTILITIES AND APPURTENANCES REQUIRING ADJUSTMENT

No	Date	REVISIONS
1	06/11/01	ISSUED FOR TENDER
2	06/12/01	ISSUED FOR APPROVAL
3	06/20/01	ISSUED FOR APPROVAL
4	11/01/01	ISSUED FOR CONSTRUCTION
5	11/08/01	RECORD DRAWING ISSUE

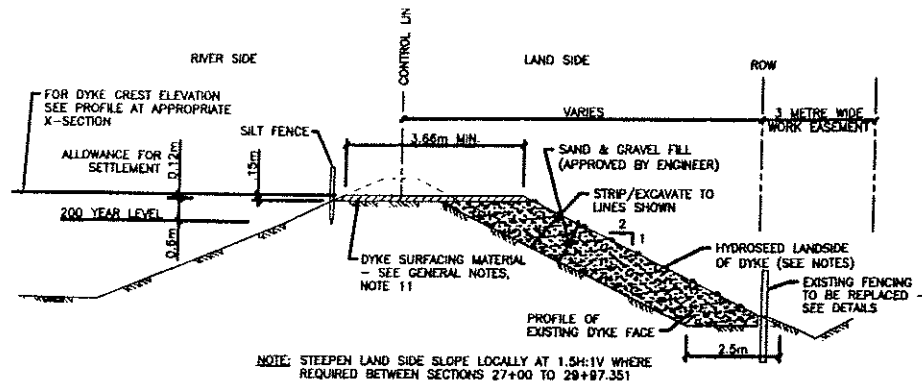
PLAN	DATE	BY	CHKD BY

The Corporation of the Township of Langley

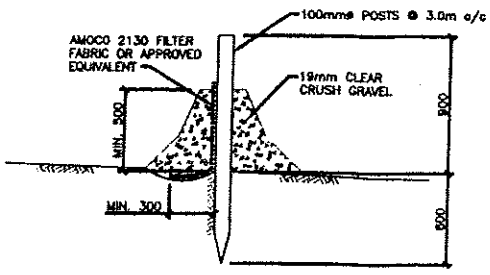


WEST LANGLEY DYKE UPGRADE  
TITLE SHEET

PLAN 020980017 SHEET NO. SHEET 1 OF 15 REV. 4

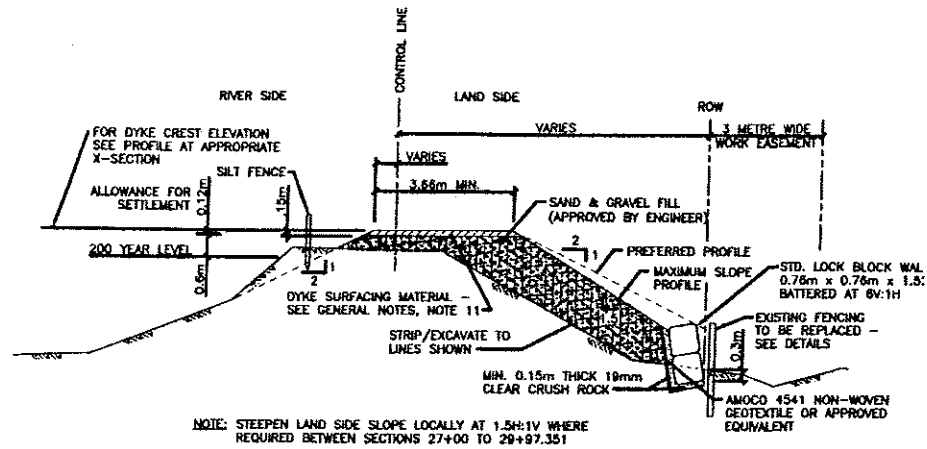


TYPICAL SECTION - CUT & FILL  
N.T.S.

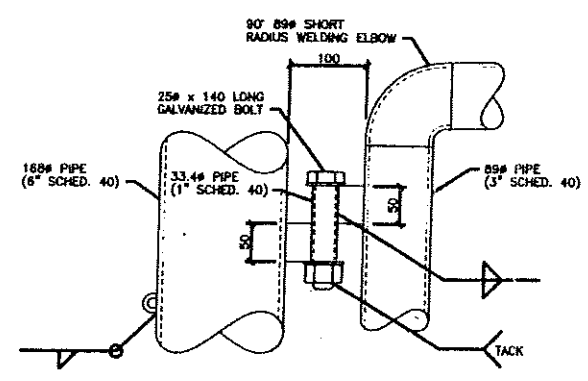


SILT FENCE DETAIL  
N.T.S.

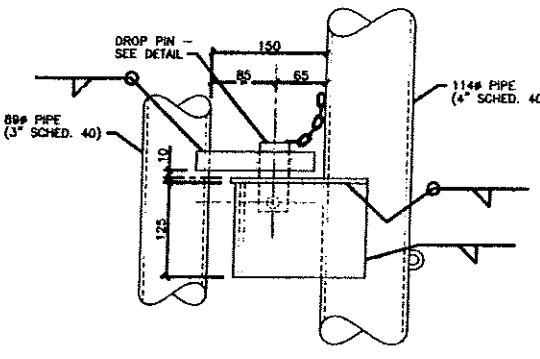
2. THE CONTRACTOR WILL CONSTRUCT THE SILT CONTROL FENCE AS PER THE DETAIL PRIOR TO EXCAVATION AND/OR FILL WORK.
3. WHILE SITE CONSTRUCTION IS ONGOING, THE CONTRACTOR IS TO BE RESPONSIBLE FOR ENSURING SEDIMENT CONTROL FACILITIES ARE MAINTAINED AND WORKING ADEQUATELY TO CONTROL ALL DISCHARGES FROM THE SITE. MAINTENANCE SHALL INCLUDE VACUUM SWEEPING OF ALL PAVED ROADS, FLUSHING OF THE ROADS IS NOT PERMITTED. ALL FACILITIES SHALL BE INSPECTED BY THE CONTRACTOR ON A WEEKLY BASIS TO ENSURE PROPER OPERATION UNTIL REMOVAL.
4. SILT FENCE IS TO BE AMOCO 2130 OR AS APPROVED BY THE ENGINEER AS PER DETAIL.
5. ANY IRREGULARITIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.



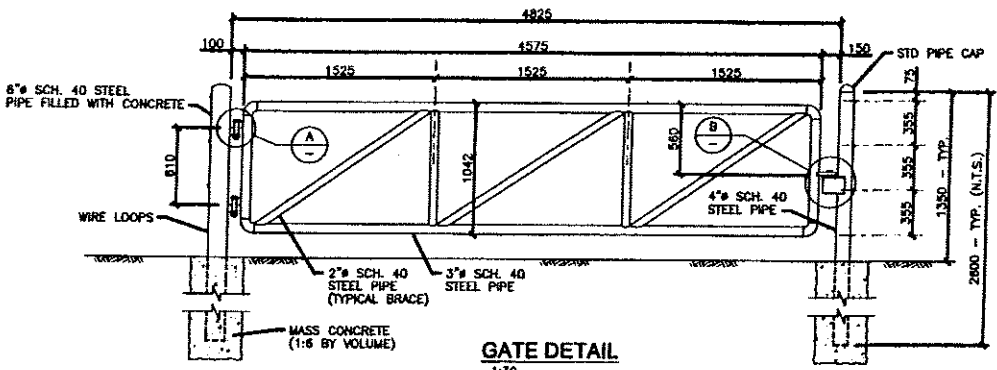
TYPICAL SECTION WITH RETAINING WALL  
N.T.S.



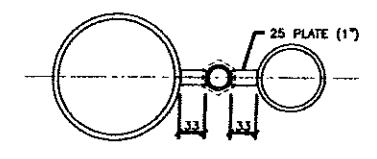
DETAIL A  
1:5



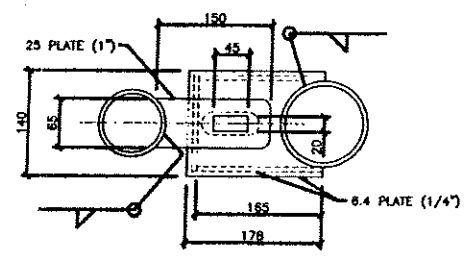
DETAIL B  
1:5



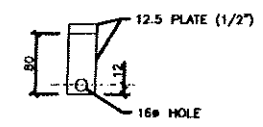
GATE DETAIL  
1:30



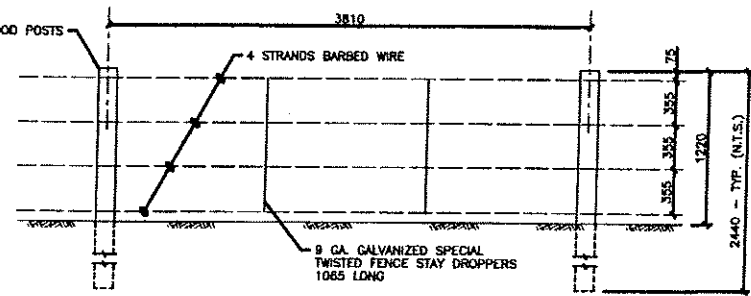
PLAN DETAIL A  
1:5



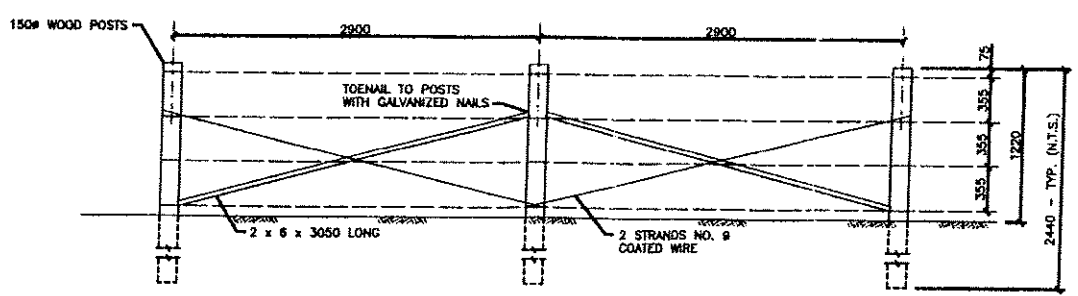
PLAN DETAIL B  
1:5



DROP PIN DETAIL



TYPICAL FENCE  
1:30



FENCE END DETAIL  
1:30

CERTIFIED RECORD DRAWING

Waterworks	W
Sanitary	S
Storm Drains	SD
Ditches	D
Misc. Utilities	MU
Poles	P

BENCHMARK	
MONUMENT 88H5666	LOCATED AT 205 ST. AND 102B AVE ELEVATION = 8.504
MONUMENT 88H4584	LOCATED AT 203 ST AND 102 B AVE ELEVATION = 3.53
MONUMENT 84H9718	LOCATED AT 208 ST AND 102 B AVE ELEVATION = 3.354

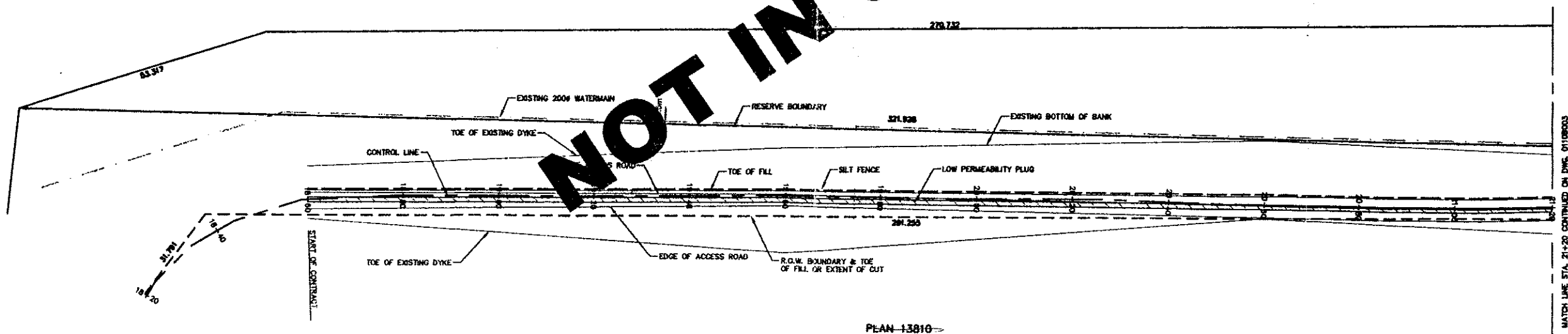
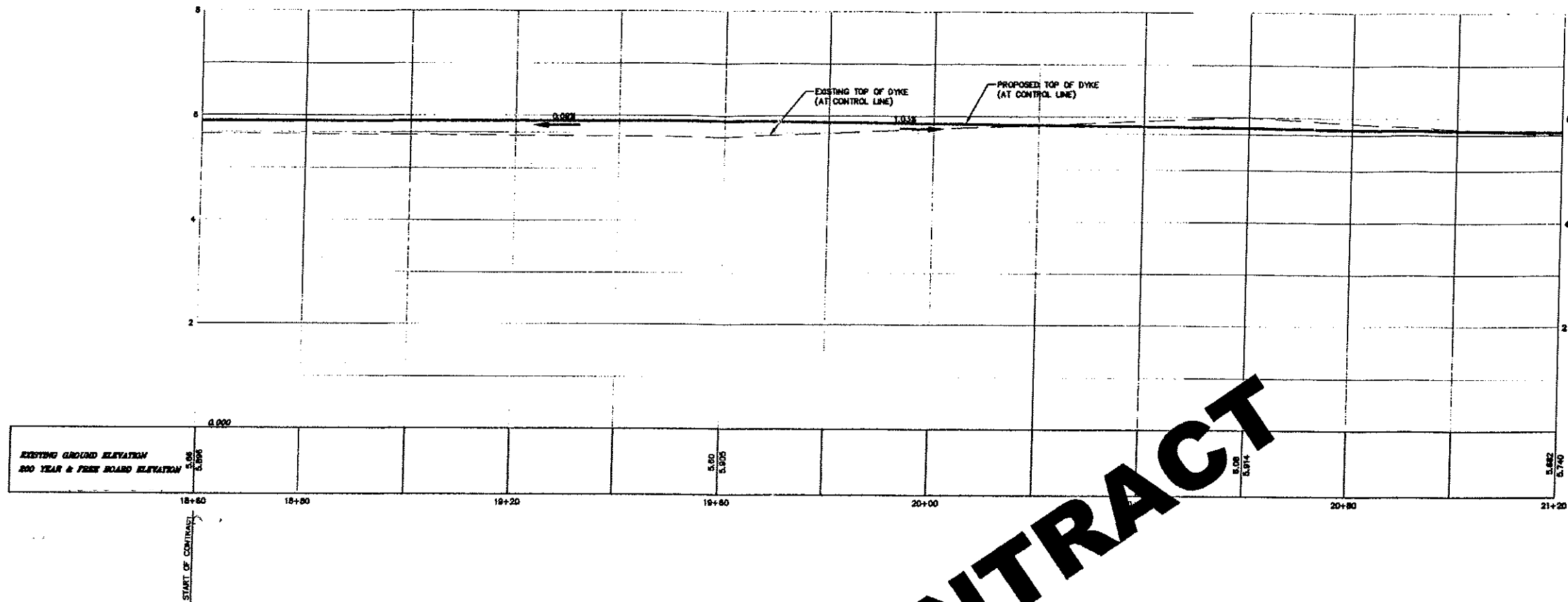
**LEVELTON**  
Engineering Solutions  
Levelton Engineering Ltd.  
138-127th Street  
Richmond, B.C.  
Tel: 604 278-1411  
Fax: 604 278-1462  
File No. 01-017-01

SEAL

NOTES		
UTILITIES AND APPURTENANCES		
CONTRACTOR TO CONTACT TELUS B.C. HYDRO AND B.C. GAS PRIOR TO CONSTRUCTION TO CONFIRM LOCATIONS OF UTILITIES AND APPURTENANCES REQUIRING ADJUSTMENT		
No.	Date	REVISIONS
1	20/11/01	ISSUED FOR TENDER
2	20/12/01	ISSUED FOR APPROVAL
3	11/01/02	ISSUED FOR CONSTRUCTION
4	14/01/02	RETAINING WALL DETAIL ADDED, ISSUED FOR CONSTRUCTION

DESIGNED BY	PRE
DRAWN BY	DLB
CHECKED BY	MG
DATE	NOV. 2001
STATUS	SHOWN

The Corporation of the Township of Langley  
WEST LANGLEY DYKE UPGRADE  
NOTES AND DETAILS  
PLAN 0209B018 SHEET NO. SHEET 2 OF 15 REV. 5



NOT IN CONTRACT

PLAN 13810  
PLAN 1115  
LOT 5



LEGEND	
Waterworks	
Sanitary	
Storm Drains	
Ditches	
Misc. Utilities	
Poles	

BENCHMARK	
MONUMENT 8815666	LOCATED AT 205 ST. AND 1028 AVE. ELEVATION = 8.504
MONUMENT 8814564	LOCATED AT 203 ST AND 102 B AVE. ELEVATION = 3.53
MONUMENT 8410718	LOCATED AT 208 ST AND 102 B AVE. ELEVATION = 3.364

**LEVELTON**  
Engineering Solutions

Levelton Engineering Ltd.  
150-1771 Clark Place  
Richmond, B.C.  
Tel: 604 278-1411  
Fax: 604 278-1952  
FILE No. 981-0187-02

SEAL

NOTES	
UTILITIES AND APPURTENANCES	
CONTRACTOR TO CONTACT TELUS, B.C. HYDRO AND B.C. GAS PRIC TO CONSTRUCTION TO CONFIRM LOCATIONS OF UTILITIES AND APPURTENANCES REQUIRING ADJUSTMENT	

No	Date	REVISIONS
0	08/11/01	ISSUED FOR TENDER
1	20/12/01	ISSUED FOR APPROVAL
2	01/01/02	REVISION FOR APPROVAL
3	11/01/02	ISSUED FOR CONSTRUCTION
4	14/02/02	ISSUED DRAWING ISSUE

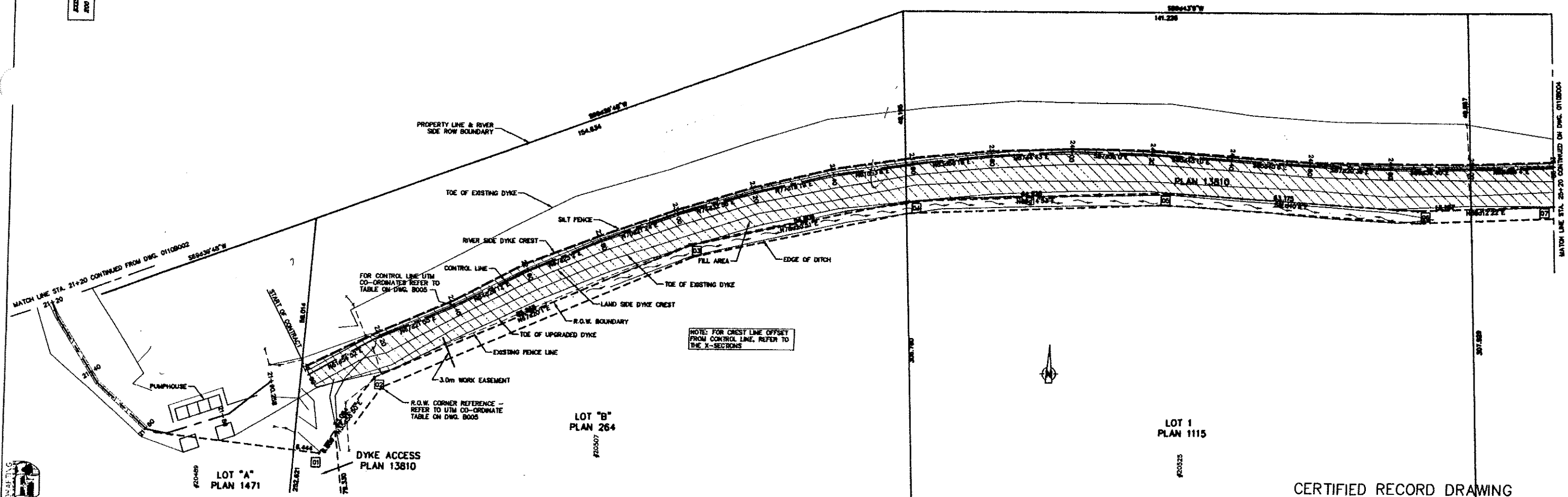
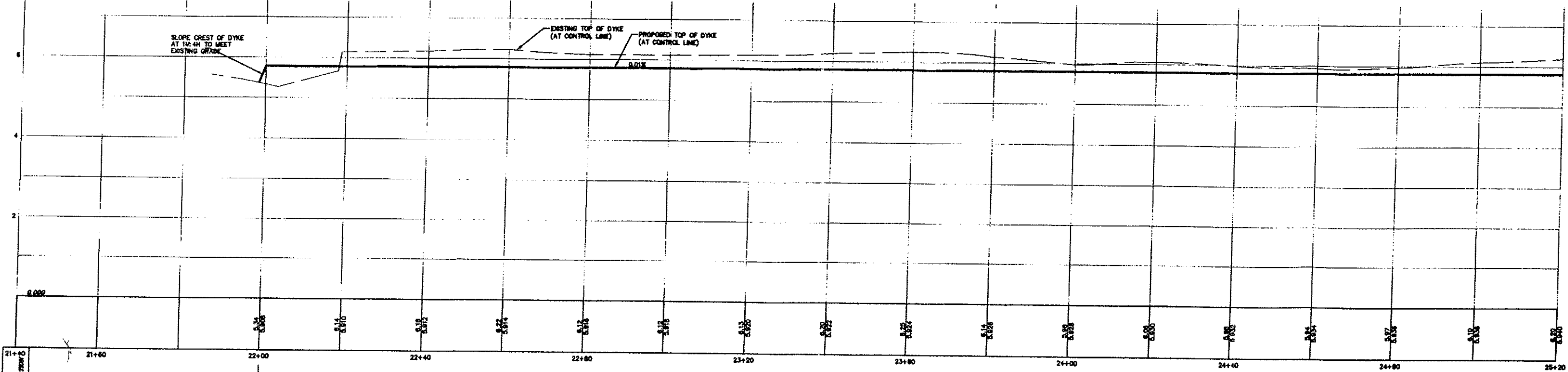
PLAN	
DATE	PRE
DATE	DLB
DATE	MG
DATE	NOV. 2001
HORIZ.	1:500
VERT.	1:50

The Corporation of the Township of Langley

Township of Langley

**WEST LANGLEY DYKE UPGRADE**  
PLAN SHEET 1

PLAN 02098019 SHEET NO. SHEET 3 OF 15 REV. 3



CERTIFIED RECORD DRAWING

SYMBOL	DESCRIPTION
(Symbol)	Waterworks
(Symbol)	Sanitary
(Symbol)	Storm Drains
(Symbol)	Ditches
(Symbol)	Misc. Utilities
(Symbol)	Poles

BENCHMARK	
MONUMENT BH45668	LOCATED AT 205 ST. AND 102B AVE ELEVATION = 6.204
MONUMENT BH45664	LOCATED AT 203 ST AND 102 B AVE ELEVATION = 3.53
MONUMENT BH49718	LOCATED AT 208 ST AND 102 B AVE ELEVATION = 3.364

**LEVELTON**  
Engineering Solutions

Levelton Engineering Ltd.  
130-12791 Clark Place Tel: 604 278-1411  
Richmond, B.C. Fax: 604 278-1482  
P.E. No. 891-912-91

SEAL

**NOTES**

**UTILITIES AND APPURTENANCES**

CONTRACTOR TO CONTACT TELUS, B.C. HYDRO AND B.C. GAS PRIOR TO CONSTRUCTION TO CONFIRM LOCATIONS OF UTILITIES AND APPURTENANCES REQUIRING ADJUSTMENT

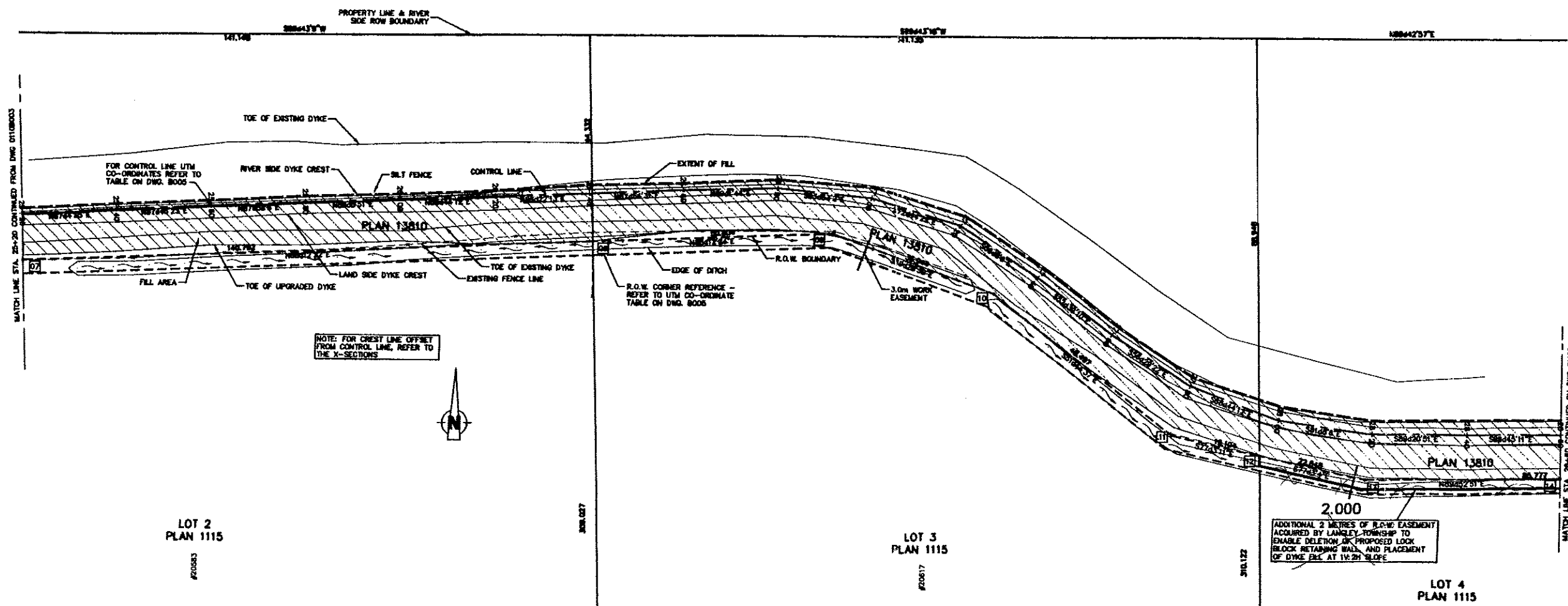
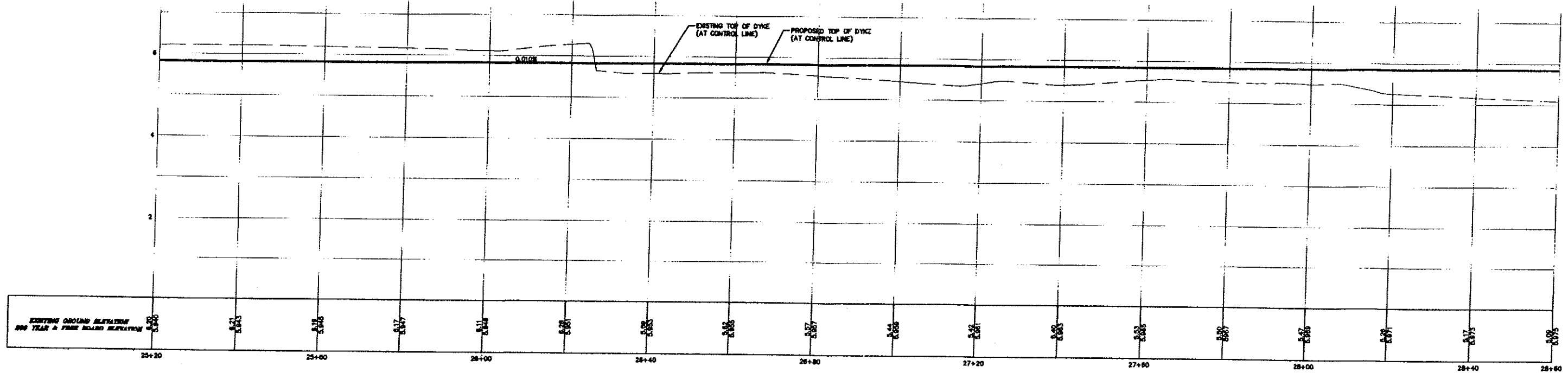
No	Date	REVISIONS
1	11/11/00	ISSUED FOR TENDER
2	01/12/01	ISSUED FOR APPROVAL
3	03/01/02	REVISION FOR APPROVAL
4	11/01/02	ISSUED FOR CONSTRUCTION
5	11/01/02	REVISION FOR CONSTRUCTION

PLAN	
DATE	11/11/00
DESIGNED BY	DLS
CHECKED BY	MD
DATE	NOV. 2001
HORIZ.	1:500
VERT.	1:50

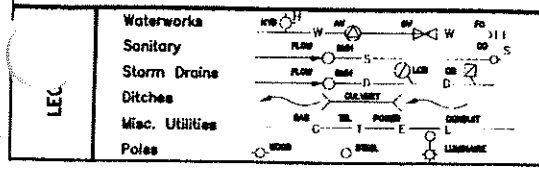
The Corporation of the Township of Langley

WEST LANGLEY DYKE UPGRADE  
PLAN SHEET 2

PLAN 02098020 SHEET NO. SHEET 4 OF 15



CERTIFIED RECORD DRAWING



**BENCHMARK**  
 MONUMENT 8845666 LOCATED AT 205 ST. AND 102B AVE  
 ELEVATION = 6.504  
 MONUMENT 8845664 LOCATED AT 203 ST AND 102 B AVE  
 ELEVATION = 3.333  
 MONUMENT 8846718 LOCATED AT 206 ST AND 102 B AVE  
 ELEVATION = 3.364

**LEVELTON**  
 Engineering Solutions  
 Levelton Engineering Ltd.  
 158-12791 Clifton Place  
 Richmond, B.C.  
 Tel: 604 278-1411  
 Fax: 604 278-1402  
 FLS No. 201-9187-01

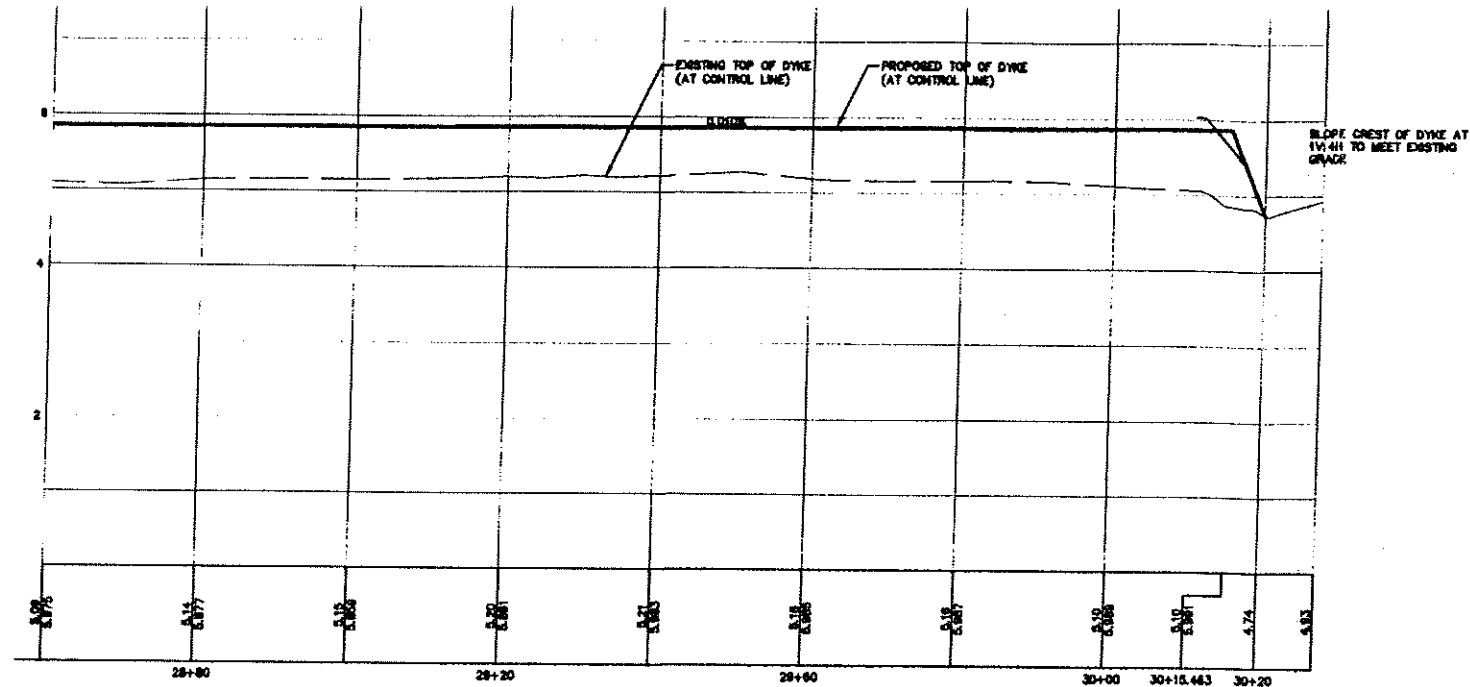
SEAL

**NOTES**  
**UTILITIES AND APPURTENANCES**  
 CONTRACTOR TO CONTACT TELUS, B.C. HYDRO AND B.C. GAS PRIOR TO CONSTRUCTION TO CONFIRM LOCATIONS OF UTILITIES AND APPURTENANCES REQUIRING ADJUSTMENT

No	Date	REVISIONS
1	14/06/06	ISSUE DRAWING DATE
2	14/06/06	ADDITIONAL R.O.W. EASEMENT ACQUIRED FROM LOT 4
3	20/11/06	ISSUED FOR TENDER
4	20/12/06	ISSUED FOR APPROVAL
5	02/01/07	ISSUED FOR APPROVAL
6	11/01/06	ISSUED FOR CONSTRUCTION
7	14/01/06	ISSUED REVISION

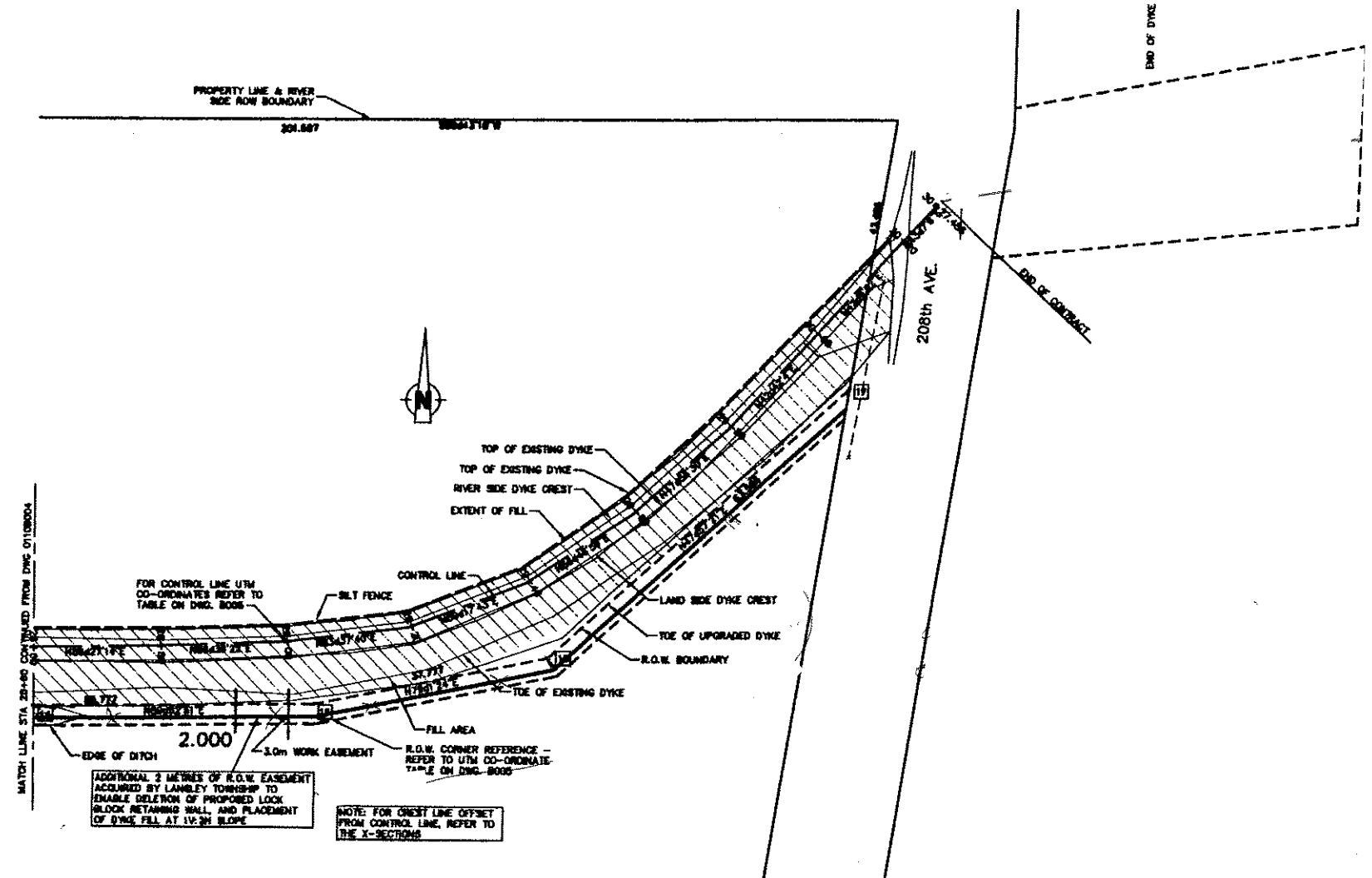
PLAN	DATE	BY	CHKD BY
PRE			
DLS			
MG			
NOV. 2001			
HORIZ 1:500			
VERT. 1:50			

The Corporation of the Township of Langley  
 Township of Langley  
 WEST LANGLEY DYKE UPGRADE  
 PLAN SHEET 3  
 PLAN 02098021 SHEET NO. SHEET 5 OF 15 BOX 6



22+20	525351.548	5450833.407	02	525350.914	5450823.254
22+40	525370.007	5450841.104	03	525428.983	5450856.112
22+60	525388.054	5450848.724	04	525482.888	5450869.181
22+80	525408.917	5450857.403	05	525547.587	5450884.186
23+00	525423.353	5450864.128	06	525610.781	5450894.380
23+20	525444.827	5450868.463	07	525644.107	5450905.425
23+40	525464.137	5450873.842	08	525784.585	5450908.198
23+60	525483.832	5450878.865	09	525813.384	5450910.788
23+80	525503.818	5450878.785	10	525849.984	5450887.836
24+00	525523.783	5450878.784	11	525888.046	5450827.807
24+20	525543.783	5450878.007	12	525908.685	5450823.527
24+40	525563.706	5450877.578	13	525928.932	5450818.407
24+60	525583.831	5450878.094	14	525970.310	5450818.483
24+80	525603.827	5450875.187	15	526014.708	5450818.585
25+00	525623.825	5450875.032	16	526051.801	5450825.778
25+20	525643.820	5450876.404		526098.007	5450888.348
25+40	525663.583	5450878.424			
25+60	525683.677	5450877.206			
25+80	525703.565	5450877.918			
26+00	525723.354	5450878.682			
26+20	525743.548	5450878.003			
26+40	525763.541	5450878.572			
26+60	525783.828	5450880.302			
26+80	525803.824	5450880.840			
27+00	525823.345	5450878.517			
27+20	525842.311	5450872.823			
27+40	525860.863	5450861.502			
27+60	525874.782	5450848.370			
27+80	525881.427	5450838.348			
28+00	525810.618	5450831.118			
28+20	525828.711	5450828.043			
28+40	525846.709	5450827.815			
28+60	525868.708	5450827.729			
28+80	525888.707	5450827.920			
29+00	525908.701	5450828.408			
29+20	525928.587	5450830.825			
29+40	525948.218	5450837.874			
29+60	525968.918	5450848.810			
29+80	525978.755	5450861.885			
30+00	525983.318	5450878.882			
30+20	526108.728	5450891.527			

UTM REFERENCE MONUMENT 848718 LOCATED AT 208 ST AND 102 B AVE  
 N 526064.818m  
 E 5450690.488m  
 ELEVATION = 3.364m



LEGAL

Waterworks	Symbol
Sanitary	Symbol
Storm Drains	Symbol
Ditches	Symbol
Misc. Utilities	Symbol
Poles	Symbol

**BENCHMARK**  
 MONUMENT 848568 LOCATED AT 205 ST AND 102B AVE  
 ELEVATION = 8.504  
 MONUMENT 848454 LOCATED AT 203 ST AND 102 B AVE  
 ELEVATION = 3.53  
 MONUMENT 848718 LOCATED AT 208 ST AND 102 B AVE  
 ELEVATION = 3.364

**LEVELTON**  
 Engineering Solutions  
 Levelton Engineering Ltd.  
 180-12791 Clarks Place Tel: 604 276-1411  
 Richmond, B.C. Fax: 604 276-1442  
 P.E. No. 881-047-91

SEAL

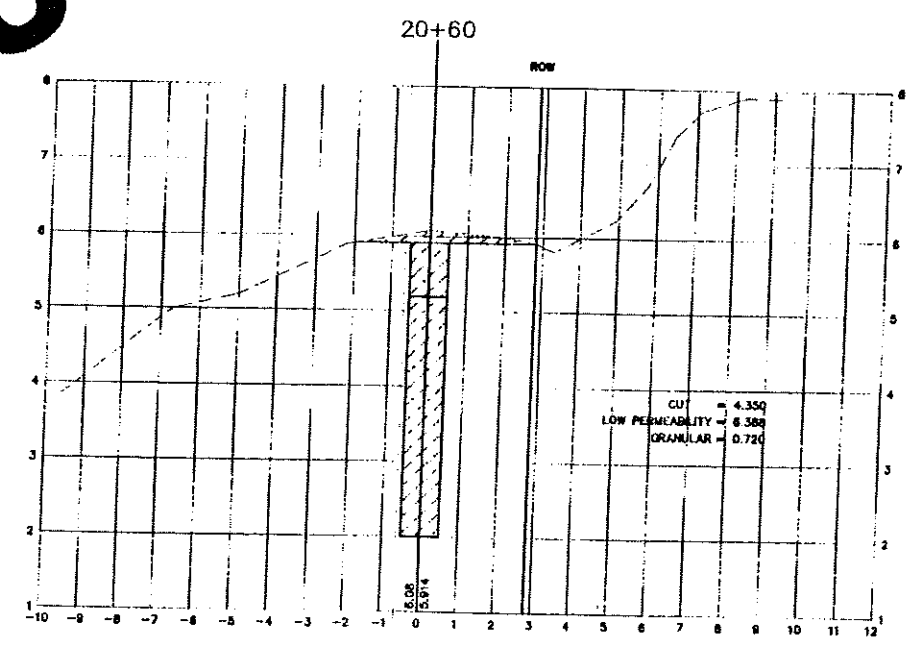
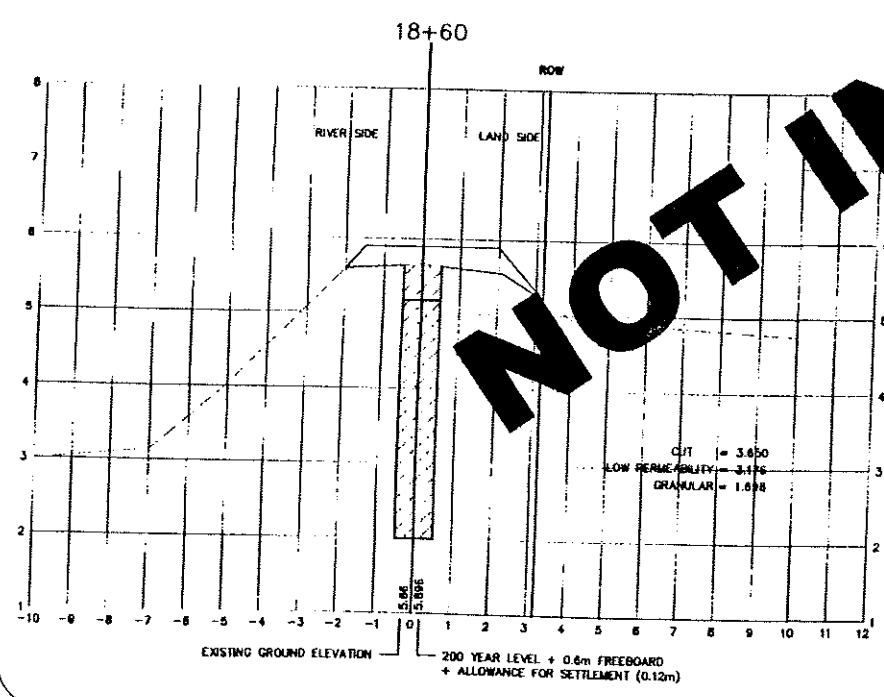
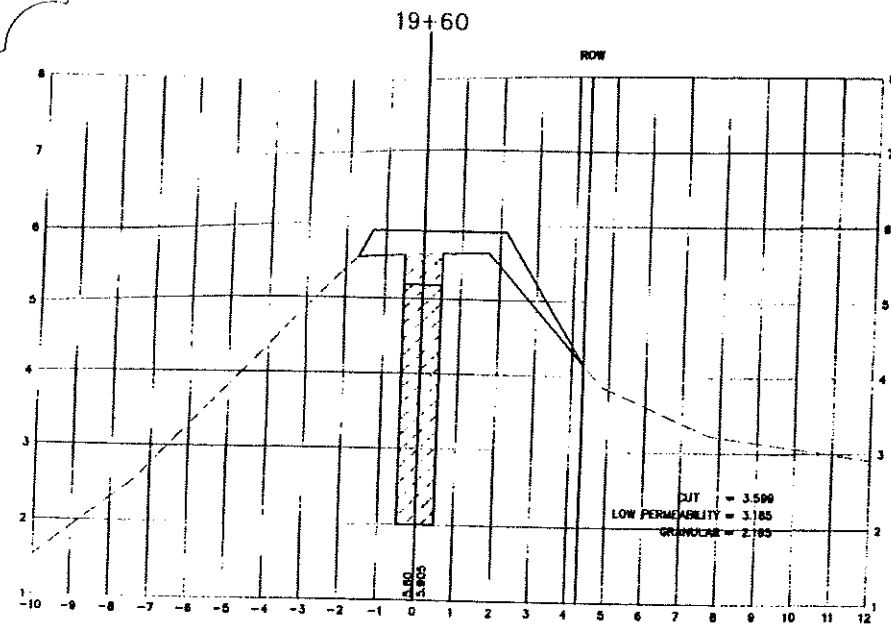
**NOTES**  
**UTILITIES AND APPURTENANCES**  
 CONTRACTOR TO CONTACT TELUS, B.C. HYDRO AND B.C. GAS PRIOR TO CONSTRUCTION TO CONFIRM LOCATIONS OF UTILITIES AND APPURTENANCES REQUIRING ADJUSTMENT

1	14/06/00	SECOND DRAINING BIBLE
2	14/06/00	ADDITIONAL R.O.W. EASEMENT ACQUIRED FROM LOT 4
No	Date	REVISIONS
0	25/11/00	ISSUED FOR TENDER
1	25/12/00	ISSUED FOR APPROVAL
2	25/01/01	ISSUED FOR APPROVAL
3	11/01/01	ISSUED FOR CONSTRUCTION
4	14/01/01	REVISIONS & UTM COORDINATES REVISION, REVISED SHALL APPLY

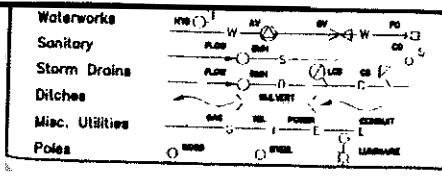
CERTIFIED RECORD DRAWING

The Corporation of the Township of Langley  
 Township of Langley  
**WEST LANGLEY DYKE UPGRADE**  
 PLAN SHEET 4  
 PLAN 02096022 SHEET NO. SHEET 6 OF 15 REV. 6

NOT IN CONTRACT



CERTIFIED RECORD DRAWING



**BENCHMARK**  
 MONUMENT BM15866 LOCATED AT 205 ST. AND 1028 AVE  
 ELEVATION = 6.904  
 MONUMENT BM14564 LOCATED AT 203 ST AND 102 B AVE  
 ELEVATION = 3.53  
 MONUMENT BM18718 LOCATED AT 208 ST AND 102 B AVE  
 ELEVATION = 3.364

**LEVELTON**  
 Engineering Solutions  
 Levelton Engineering Ltd.  
 228-12701 Clark Road Richmond, B.C.  
 Tel: 604 278-1911 Fax: 604 278-1902  
 File No. 01-100-01

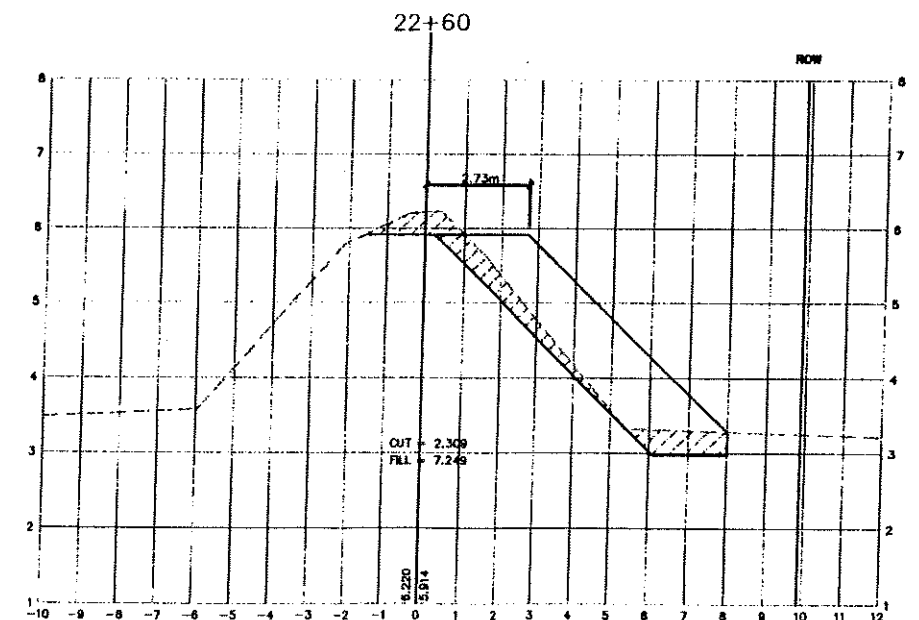
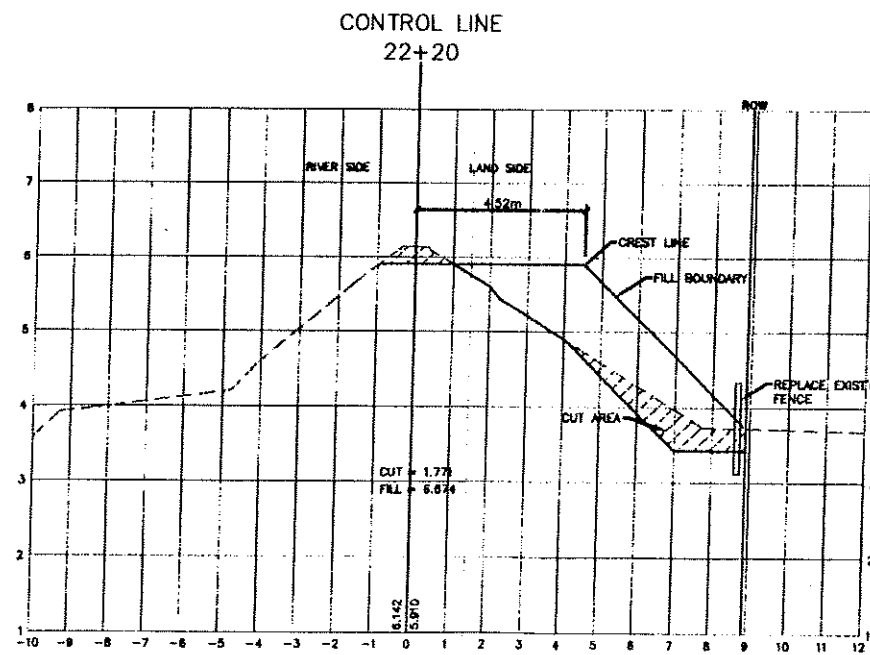
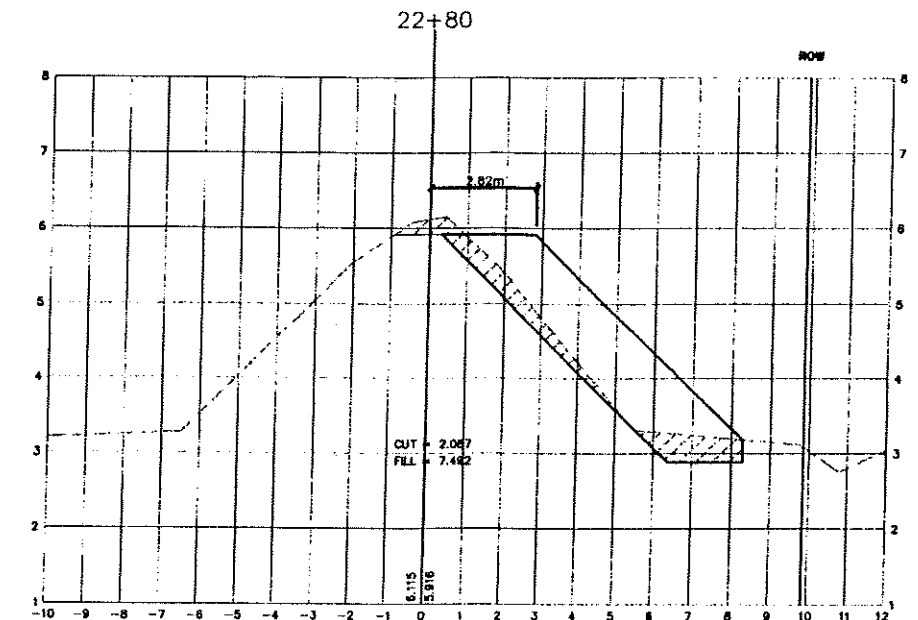
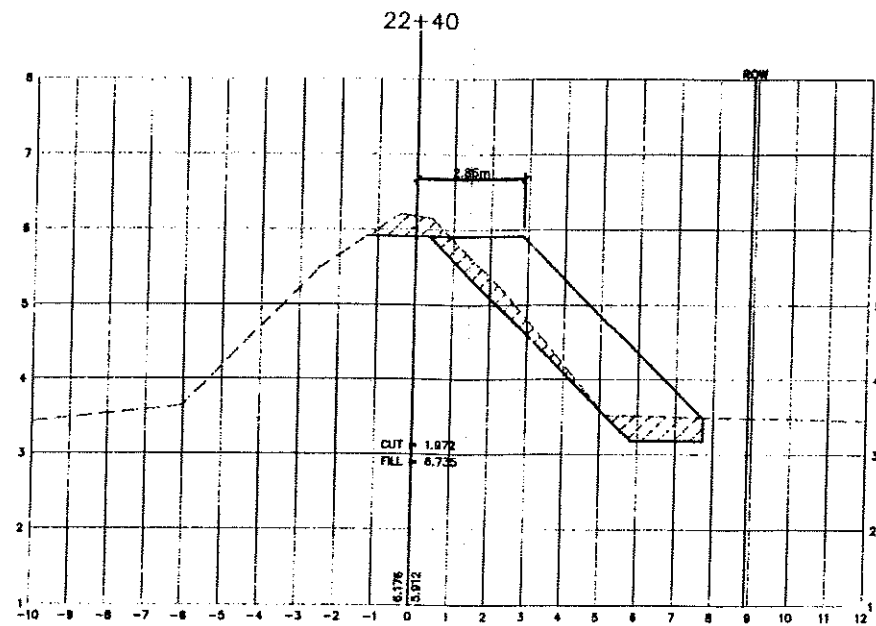
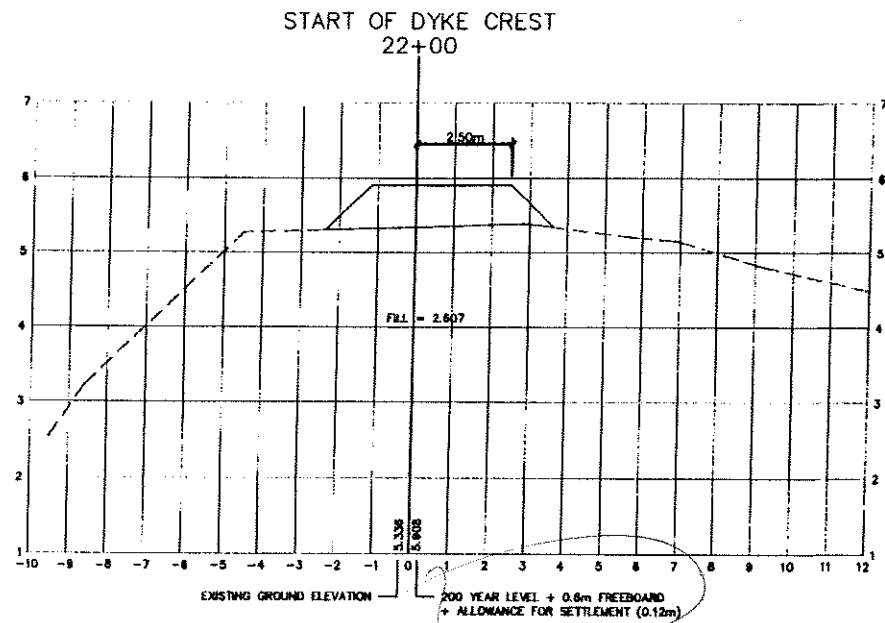
SEAL

**NOTES**  
**UTILITIES AND APPURTENANCES**  
 CONTRACTOR TO CONTACT TELUS, B.C. HYDRO AND B.C. GAS PRIOR TO CONSTRUCTION TO CONFIRM LOCATIONS OF UTILITIES AND APPURTENANCES REQUIRING ADJUSTMENT

No	Date	REVISIONS
0	08/11/01	ISSUED FOR TENDER
1	08/13/01	ISSUED FOR APPROVAL
2	08/14/01	ISSUED FOR APPROVAL
3	11/09/01	ISSUED FOR CONSTRUCTION
4	11/09/01	ISSUED GRADING BIDDING

DESIGNED BY	PRE
DRAWN BY	DLB
CHECKED BY	MG
DATE	NOV. 2001
SCALE	HORIZ. 1:100 VERT. 1:50

The Corporation of the Township of Langley  
  
**WEST LANGLEY DYKE UPGRADE**  
 X-SECTIONS - 18+60 TO 20+60  
 PLAN 02098023 SHEET NO. SHEET 7 OF 15



CERTIFIED RECORD DRAWING



Waterworks	
Sanitary	
Storm Drains	
Ditches	
Misc. Utilities	
Poles	

**BENCHMARK**  
 MONUMENT 8845664 LOCATED AT 208 ST. AND 102B AVE  
 ELEVATION = 6.504  
 MONUMENT 8844864 LOCATED AT 203 ST AND 102 B AVE  
 ELEVATION = 5.83  
 MONUMENT 8445718 LOCATED AT 208 ST AND 102 B AVE  
 ELEVATION = 3.364

**LEVELTON**  
Engineering Solutions

Levelton Engineering Ltd.  
 180-12241 Gladys Place Tel: 604 278-1411  
 Richmond, B.C. Fax: 604 278-1046  
 P.E. No. 881-9187-11

SEAL

**NOTES**  
**UTILITIES AND APPLICANCES**  
 CONTRACTOR TO CONTACT TELUS, I.C. HYDRO AND  
 B.C. GAS PRIOR TO CONSTRUCTION TO CONFIRM LOCATIONS  
 OF UTILITIES AND APPLICANCES REQUIRING ADJUSTMENT

No	Date	REVISIONS
1	24/11/01	ISSUED FOR TENDER
2	28/12/01	ISSUED FOR APPROVAL
3	04/01/02	ISSUED FOR APPROVAL
4	11/01/02	ISSUED FOR CONSTRUCTION
5	14/05/02	ISSUED REVISIONS

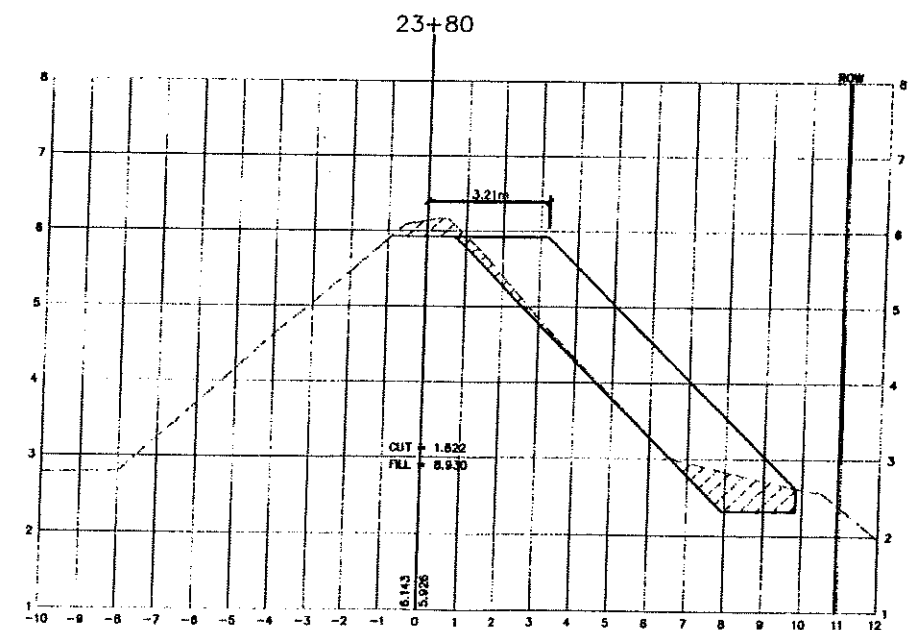
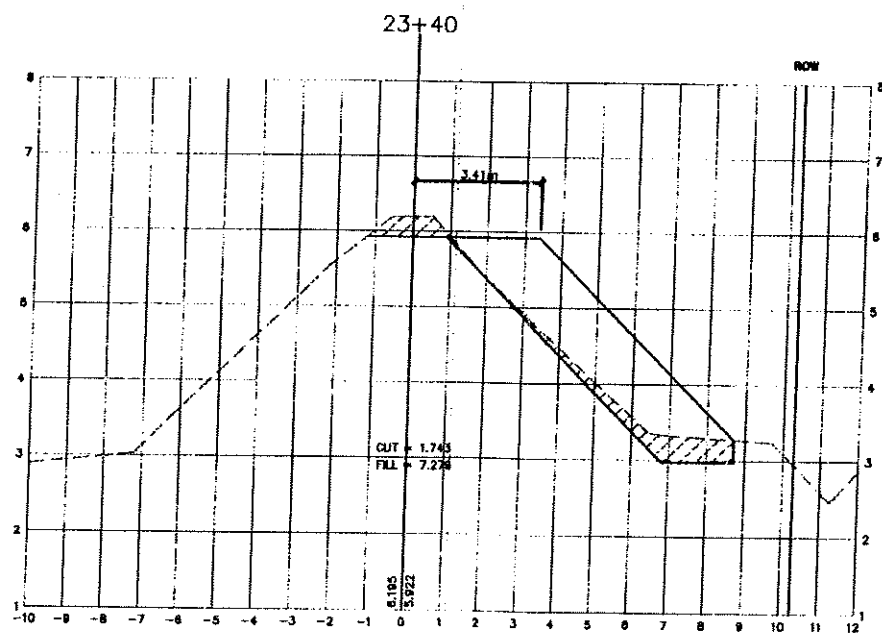
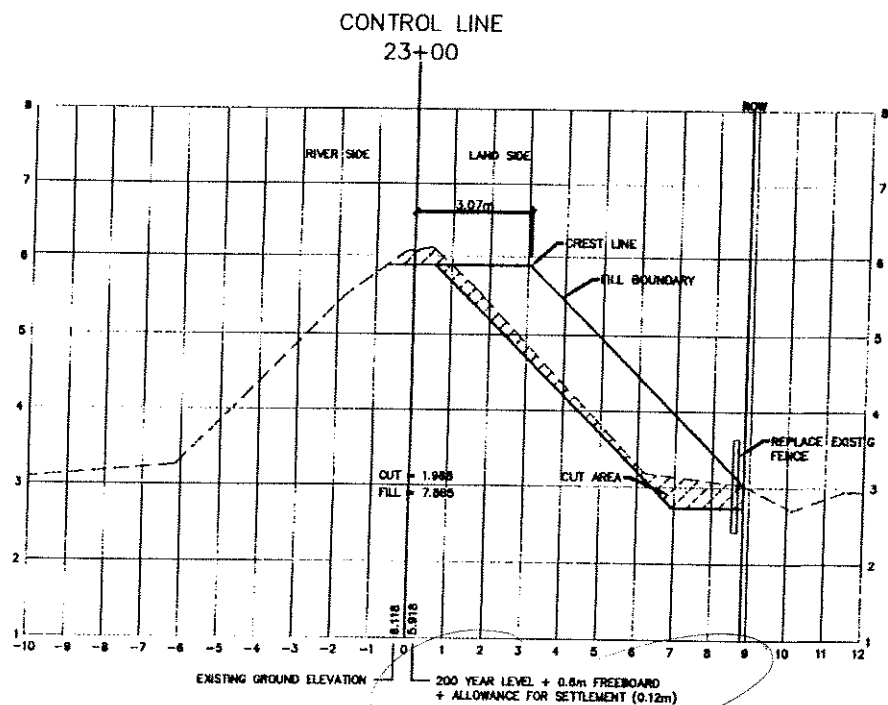
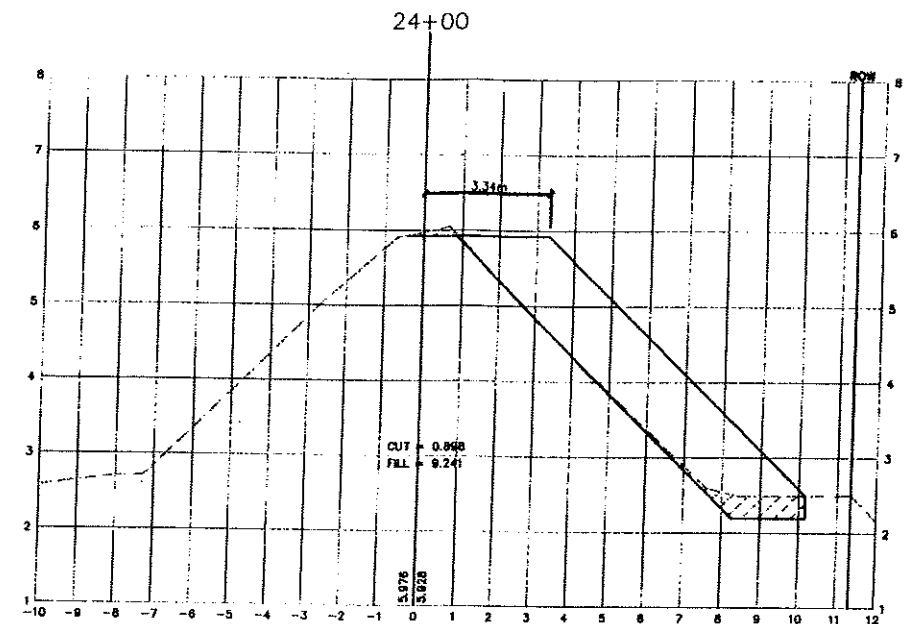
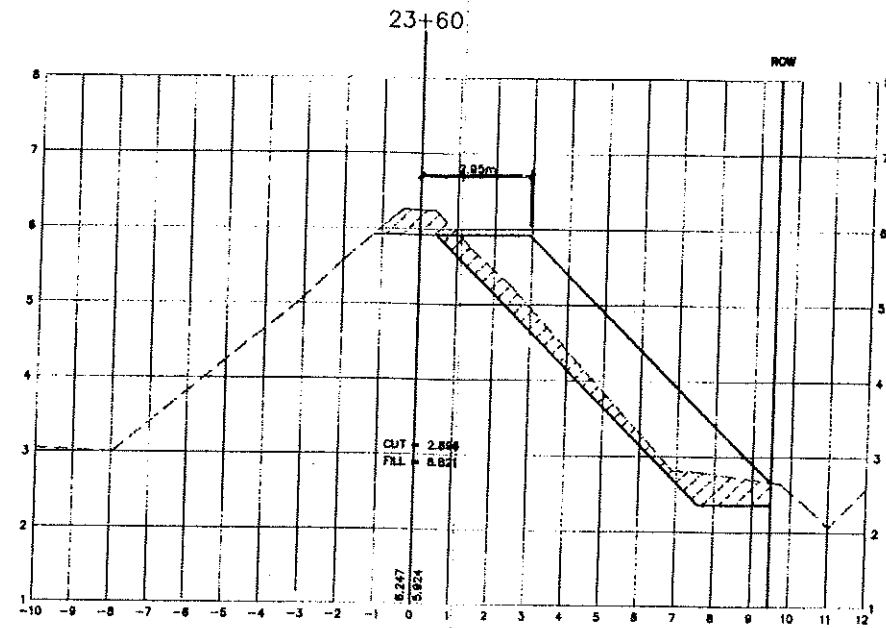
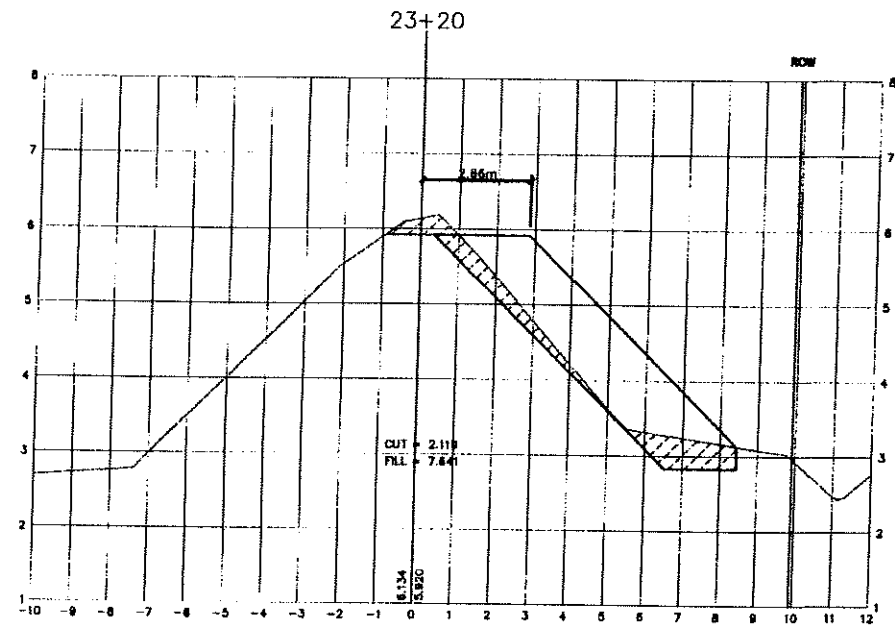
DESIGNED BY	PRE
DRAWN BY	DLB
CHECKED BY	MG
DATE	NOV. 2001
SCALE	HORIZ. 1:100 VERT. 1:50

**The Corporation of the Township of Langley**

WEST LANGLEY DYKE UPGRADE  
 X-SECTIONS - 22+00 TO 22+80

PLAN 02098024 SHEET NO. SHEET 8 OF 15





CERTIFIED RECORD DRAWING



Waterworks	W
Sanitary	S
Storm Drains	SD
Ditches	D
Misc. Utilities	MU
Poles	P

**BENCHMARK**  
 MONUMENT 8816688 LOCATED AT 208 ST. AND 102B AVE  
 ELEVATION = 8.304  
 MONUMENT 8814864 LOCATED AT 203 ST AND 102 B AVE  
 ELEVATION = 3.353  
 MONUMENT 8418718 LOCATED AT 208 ST AND 102 B AVE  
 ELEVATION = 3.384

**LEVELTON**  
 Engineering Solutions

Levelton Engineering Ltd.  
 168-1274 Gordo Place  
 Richmond, B.C. Tel: 604 278-1411  
 Fax: 604 278-1942  
 File No. 801-212-41

SEAL

**NOTES**  
**UTILITIES AND APPURTENANCES**  
 CONTRACTOR TO CONTACT TELUS, B.C. HYDRO AND  
 B.C. GAS PRIOR TO CONSTRUCTION TO CONFIRM LOCATIONS  
 OF UTILITIES AND APPURTENANCES REQUIRING ADJUSTMENT

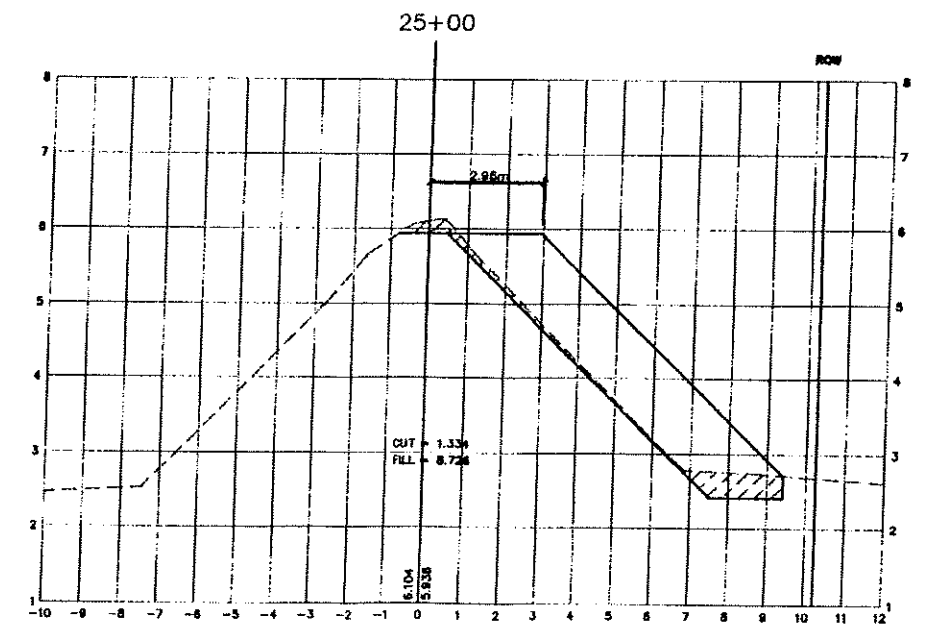
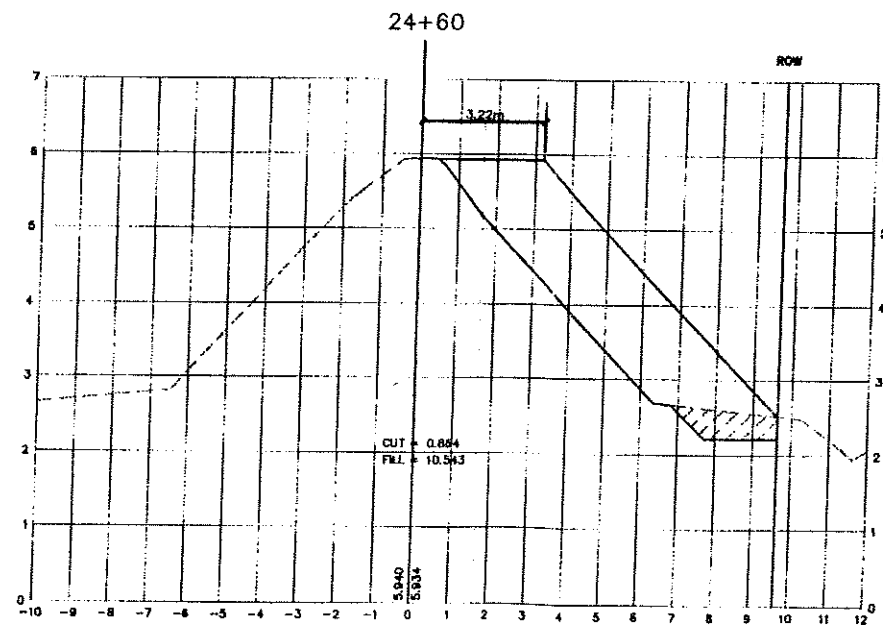
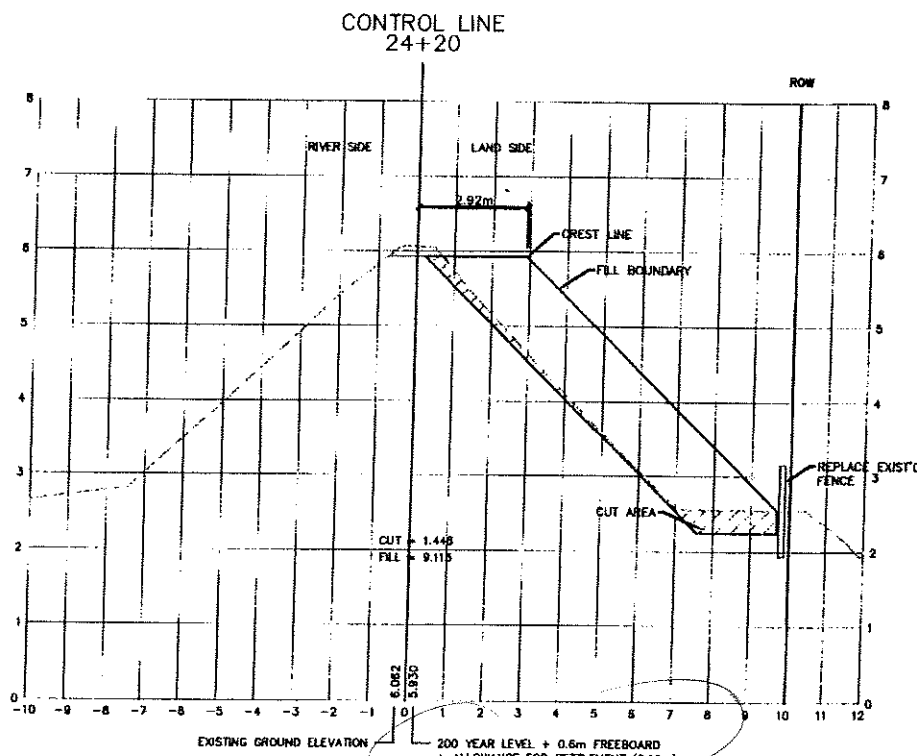
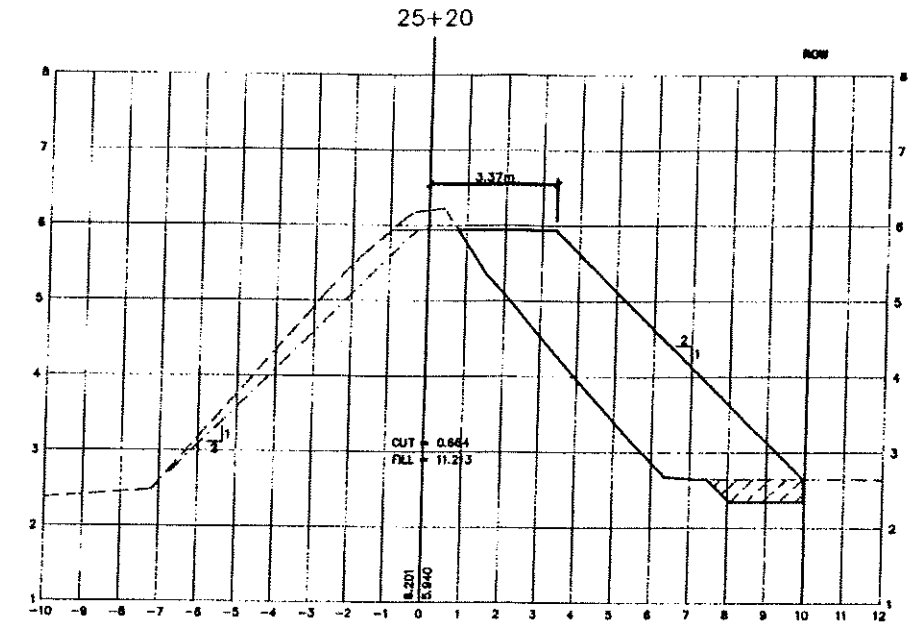
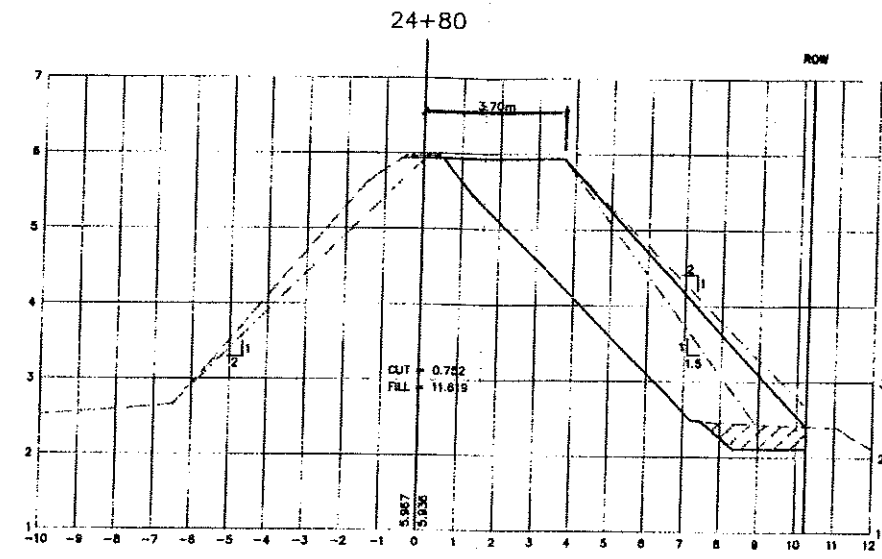
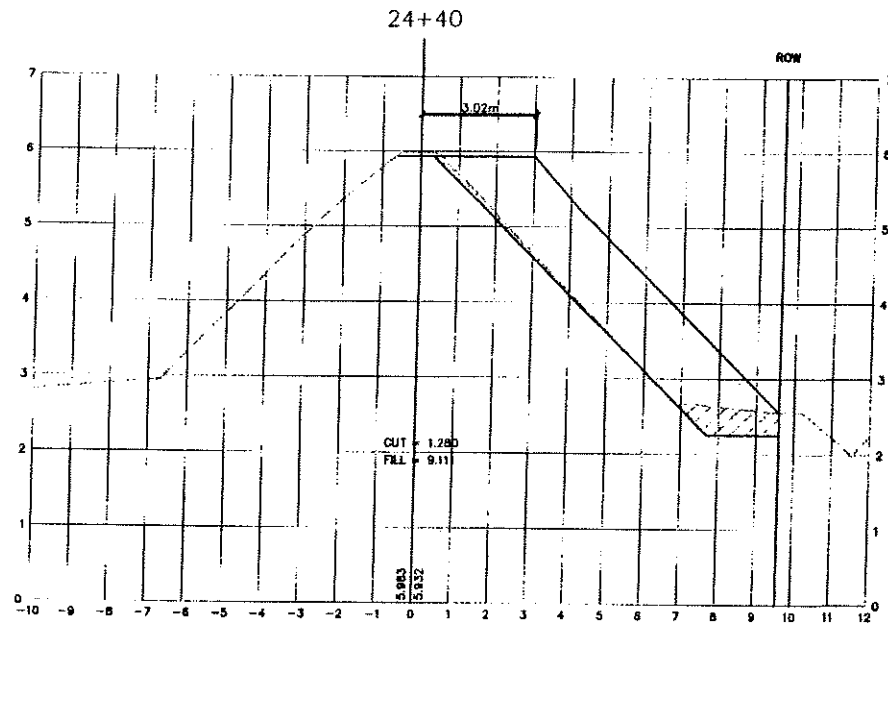
No	Date	REVISIONS
1	04/14/01	ISSUED FOR TENDER
2	04/19/01	ISSUED FOR APPROVAL
3	04/19/01	REVISED FOR APPROVAL
4	11/01/02	ISSUED FOR CONSTRUCTION
5	11/01/02	ISSUED RECORDING ISSUE

DESIGNED BY	PRE
CHECKED BY	DLB
APPROVED BY	MG
DATE	NOV. 2001
SCALE	
HORIZ.	1:100
VERT.	1:50

The Corporation of the Township of Langley

WEST LANGLEY DYKE UPGRADE  
 X-SECTIONS - 23+00 TO 24+00

PLAN 02098025 SHEET 9 OF 15



NOTE: STEEPEN LAND SIDE SLOPE LOCALLY WHERE NOTED ON THE SECTIONS

**BENCHMARK**  
 MONUMENT 88H5886 LOCATED AT 205 ST. AND 1028 AVE ELEVATION = 8.504  
 MONUMENT 88H4584 LOCATED AT 203 ST AND 102 B AVE ELEVATION = 3.53  
 MONUMENT 84H9718 LOCATED AT 208 ST AND 102 B AVE ELEVATION = 3.364

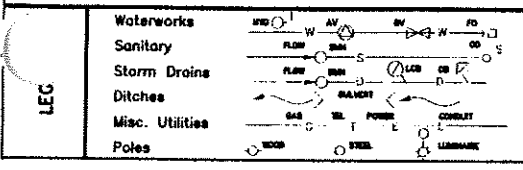
**LEVELTON Engineering Solutions**  
 Levelton Engineering Ltd.  
 155-12791 Clute Place Tel: 604 278-1411  
 Burnaby, B.C. Fax: 604 278-1942  
 P.F. No. 911-8587-01

SEAL

**NOTES**  
**UTILITIES AND APPURTENANCES**  
 CONTRACTOR TO CONTACT TELUS B.C. HYDRO AND B.C. GAS PRIOR TO CONSTRUCTION TO CONFIRM LOCATIONS OF UTILITIES AND APPURTENANCES REQUIRING ADJUSTMENT

No	Date	REVISIONS
1	14/08/03	RECORD DRAWING MADE
2	26/11/03	ISSUED FOR TENDER
3	26/11/03	ISSUED FOR APPROVAL
4	05/01/04	ISSUED FOR APPROVAL
5	11/01/03	ISSUED FOR CONSTRUCTION
6	14/01/04	TEMPLATE BOARD, ISSUED FOR CONSTRUCTION

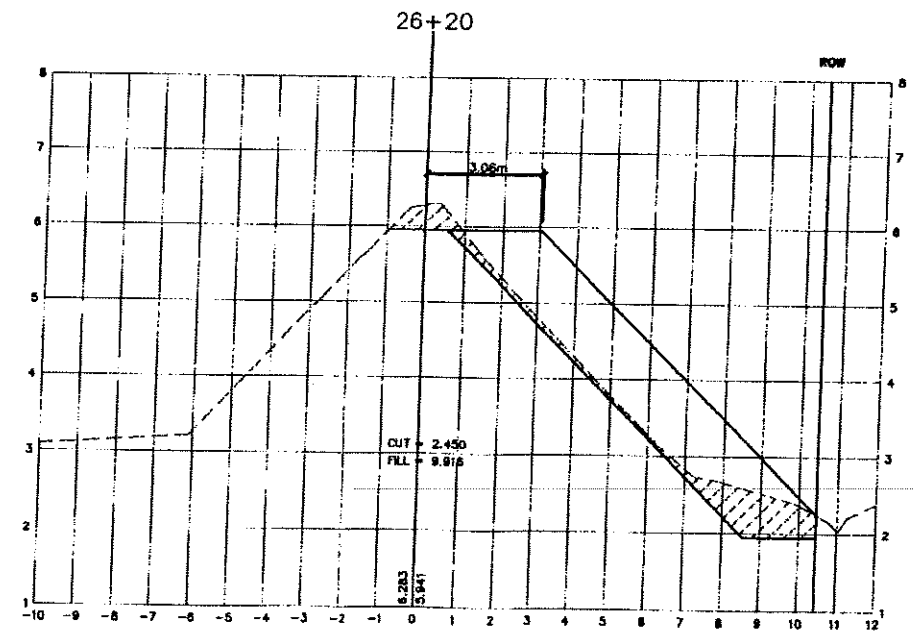
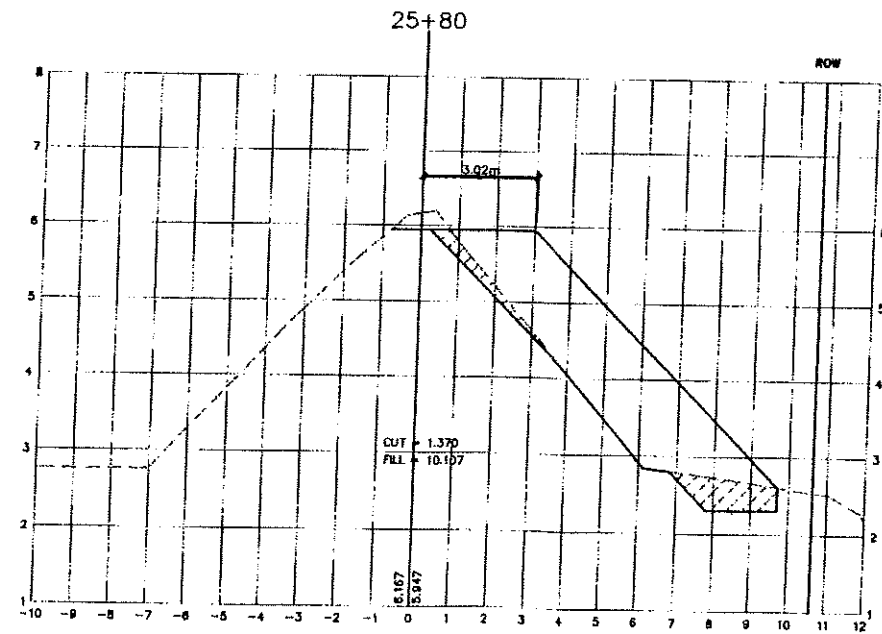
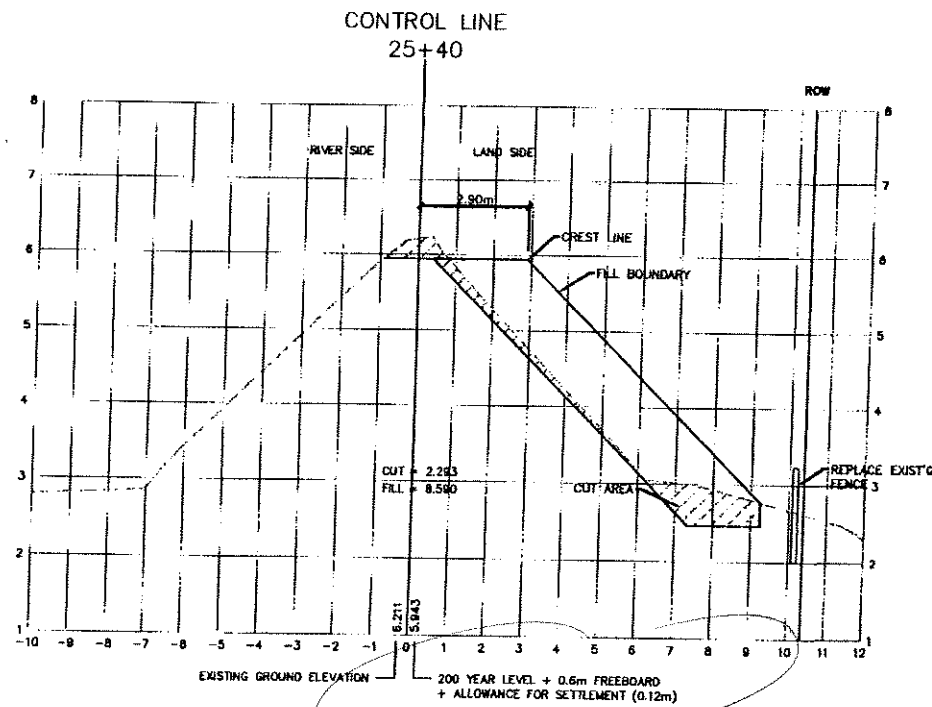
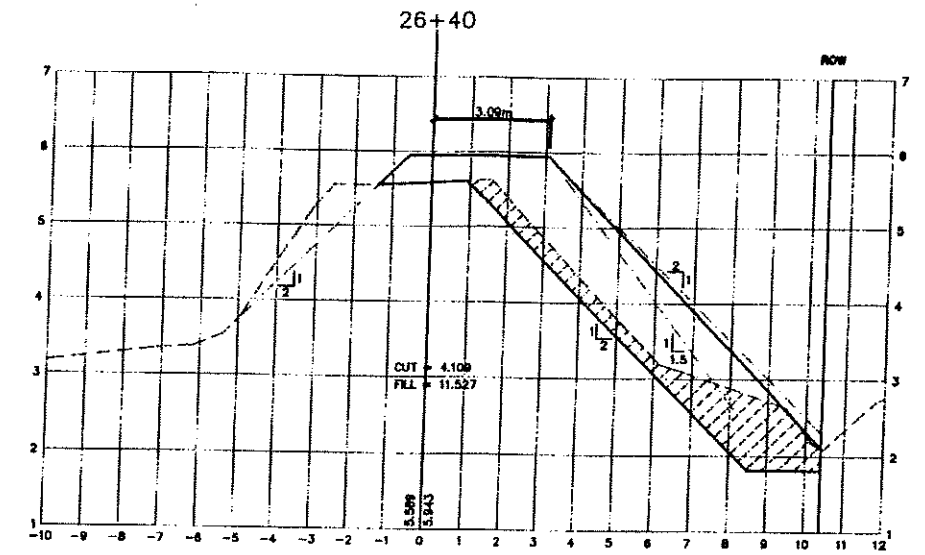
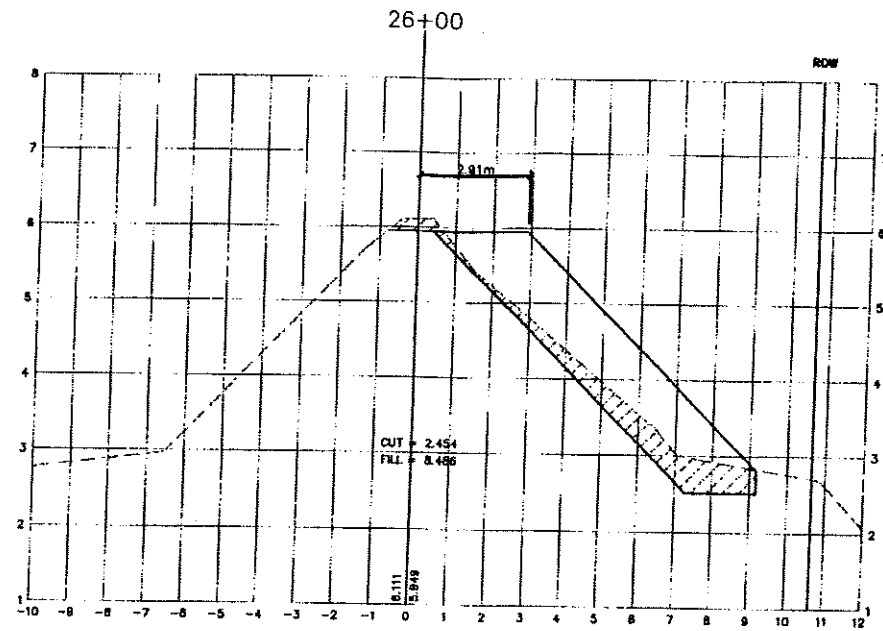
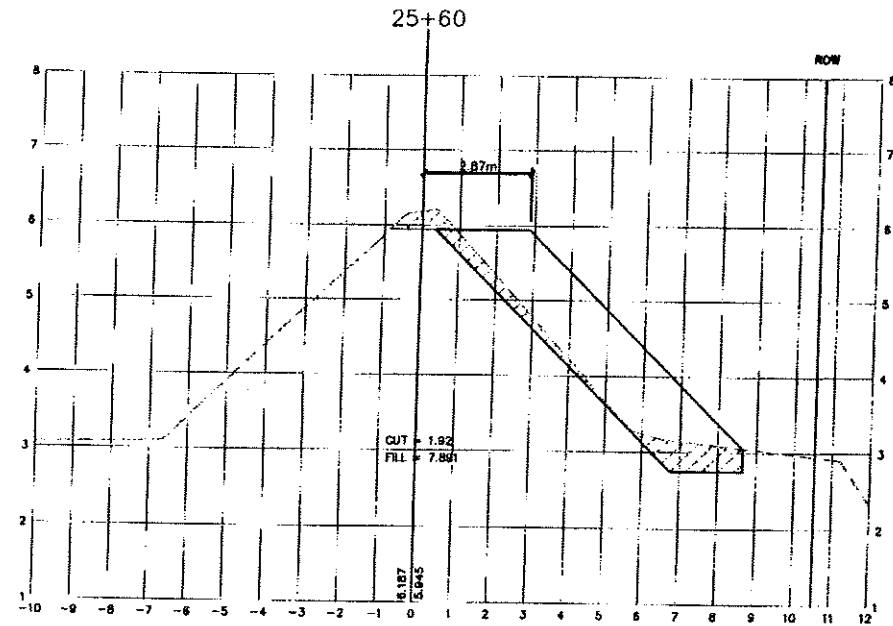
CERTIFIED RECORD DRAWING



**The Corporation of the Township of Langley**

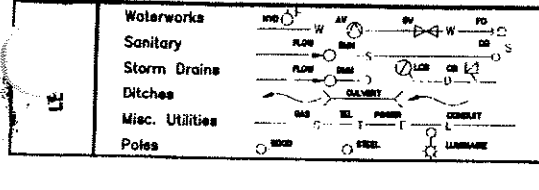
WEST LANGLEY DYKE UPGRADE  
 X-SECTIONS - 24+20 TO 25+20

PLAN 02098026 SHEET NO. SHEET 10 OF 15



NOTE: STEEPEN LAND SIDE SLOPE LOCALLY WHERE NOTED ON THE SECTIONS

CERTIFIED RECORD DRAWING



**BENCHMARK**  
 MONUMENT BM45684 LOCATED AT 205 ST. AND 102B AVE  
 ELEVATION = 8.504  
 MONUMENT BM45684 LOCATED AT 203 ST AND 102 B AVE  
 ELEVATION = 8.333  
 MONUMENT BM49718 LOCATED AT 208 ST AND 102 B AVE  
 ELEVATION = 8.364

**LEVELTON**  
 Engineering Solutions  
 Levelton Engineering Ltd.  
 180-127th Street West  
 Richmond, B.C. Tel: 604 278-1411 Fax: 604 278-1402  
 FILE NO. 201-2107-01

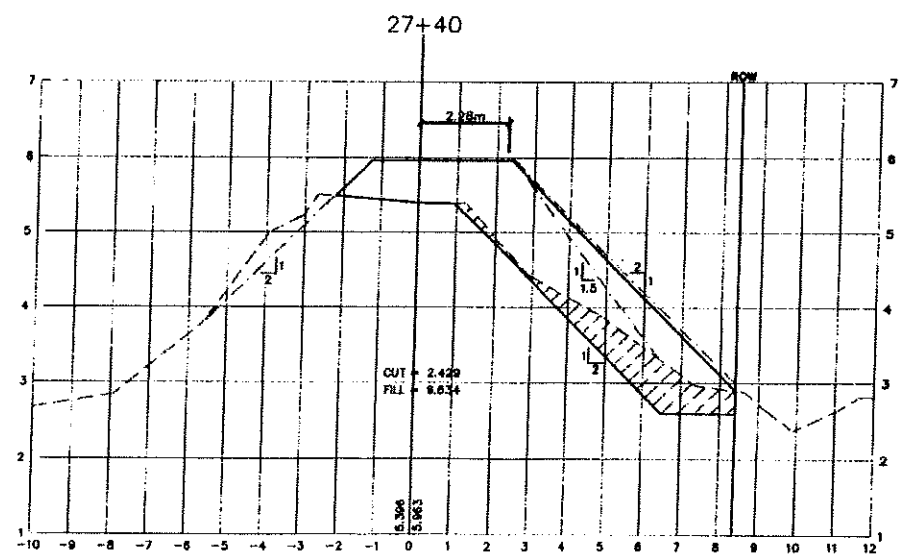
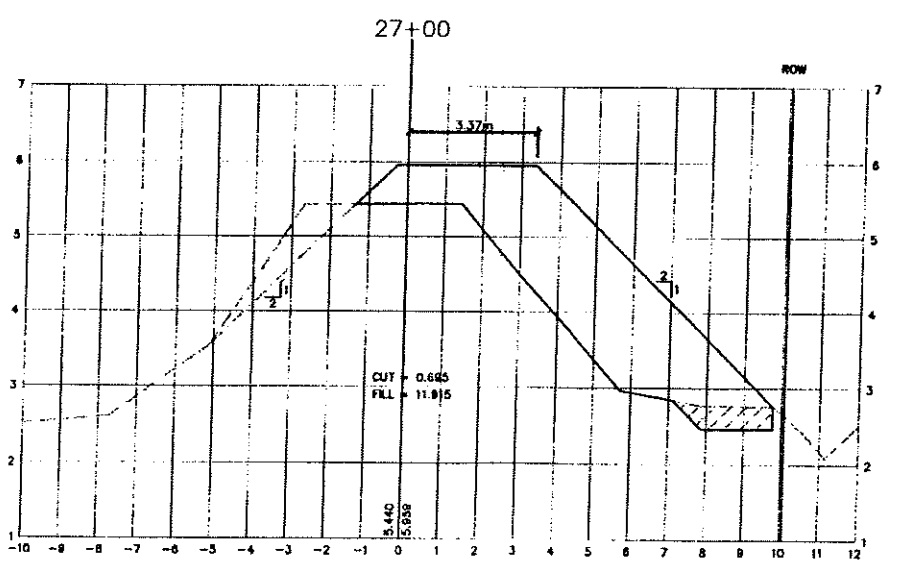
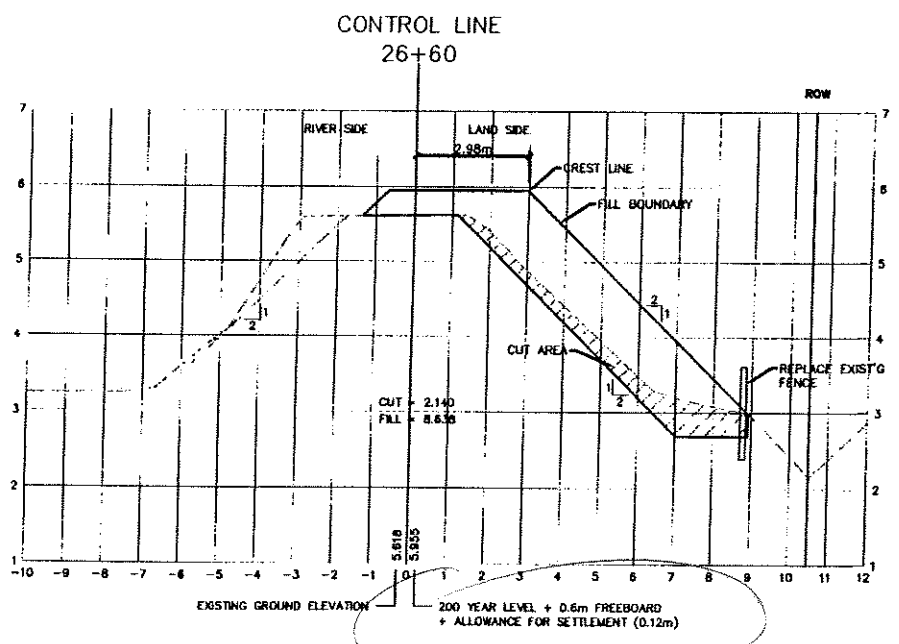
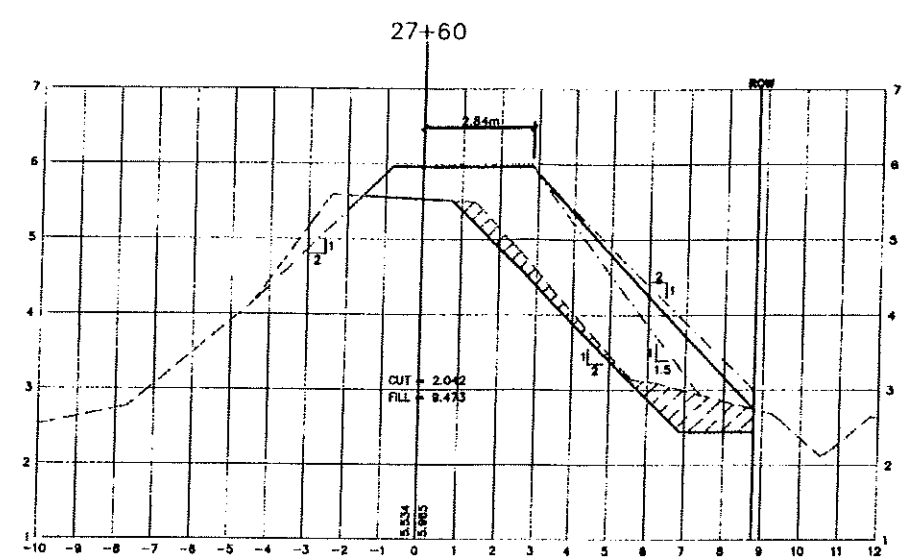
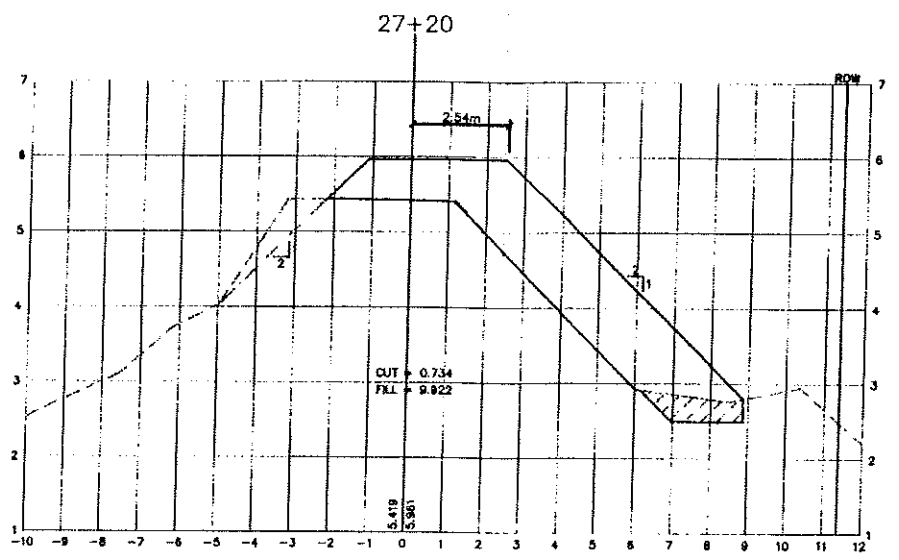
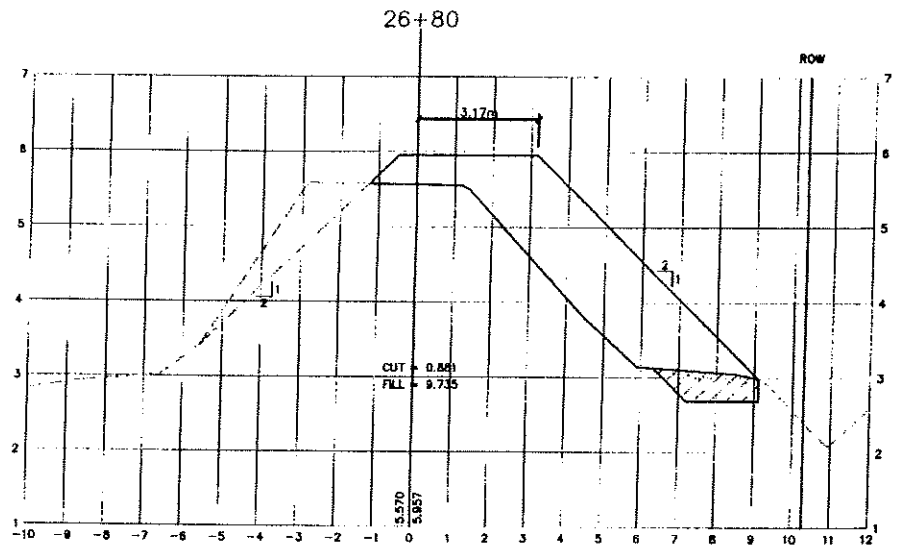
SEAL

**NOTES**  
**UTILITIES AND APPURTENANCES**  
 CONTRACTOR TO CONTACT TELUS B.C. HYDRO AND B.C. GAS PRIOR TO CONSTRUCTION TO CONFIRM LOCATIONS OF UTILITIES AND APPURTENANCES REQUIRING ADJUSTMENT

No	Date	REVISIONS
1	28/11/02	ISSUED FOR TENDER
2	20/12/02	REVISED FOR APPROVAL
3	04/01/03	REVISED FOR APPROVAL
4	14/01/03	ISSUED FOR CONSTRUCTION
5	14/01/03	RECORD DRAWING ISSUE

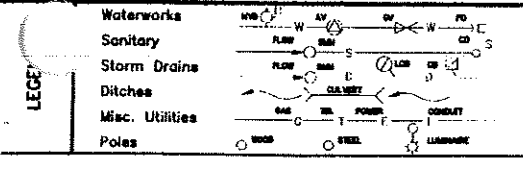
DESIGNED BY	PRE
DRAWN BY	DLB
CHECKED BY	MG
DATE	NOV. 2001
SCALE	HORIZ. 1:100 VERT. 1:50

**The Corporation of the Township of Langley**  
 WEST LANGLEY DYKE UPGRADE  
 X-SECTIONS - 25+40 TO 26+40  
 PLAN 02098027 SHEET NO. SHEET 11 OF 15



NOTE: STEEPEN LAND SIDE-SLOPE LOCALLY AT 1.5H:1V WHERE REQUIRED BETWEEN SECTIONS 27+00 TO 29+97.351

CERTIFIED RECORD DRAWING



**BENCHMARK**  
 MONUMENT 88H5666 LOCATED AT 205 ST. AND 102B AVE  
 ELEVATION = 8.504  
 MONUMENT 88H4584 LOCATED AT 203 ST AND 102 B AVE  
 ELEVATION = 3.53  
 MONUMENT 84H9718 LOCATED AT 208 ST AND 102 B AVE  
 ELEVATION = 3.364

**LEVELTON**  
 Engineering Solutions  
 Levelton Engineering Ltd.  
 138-12791 Goble Place Richmond, B.C. Tel: 604 278-1411 Fax: 604 278-1942

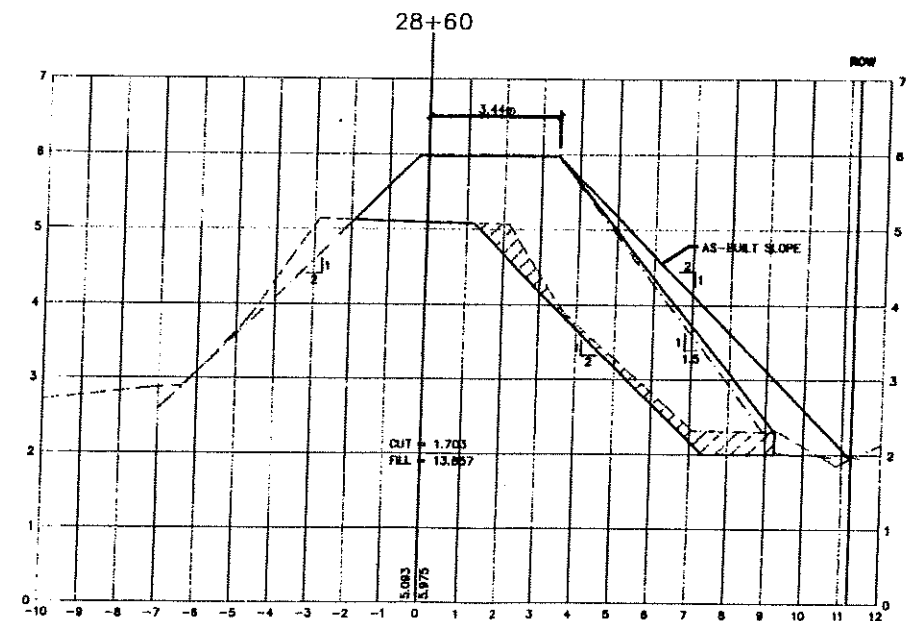
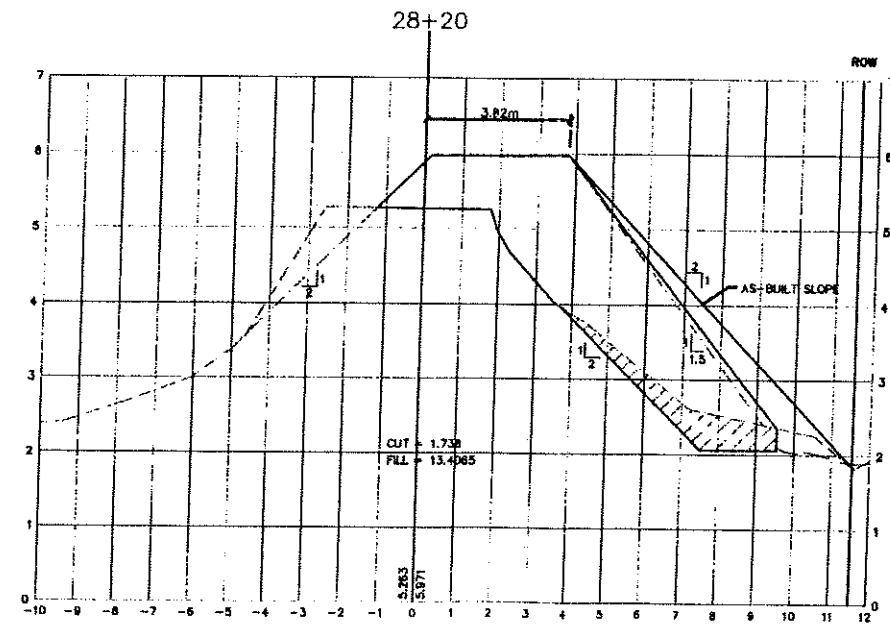
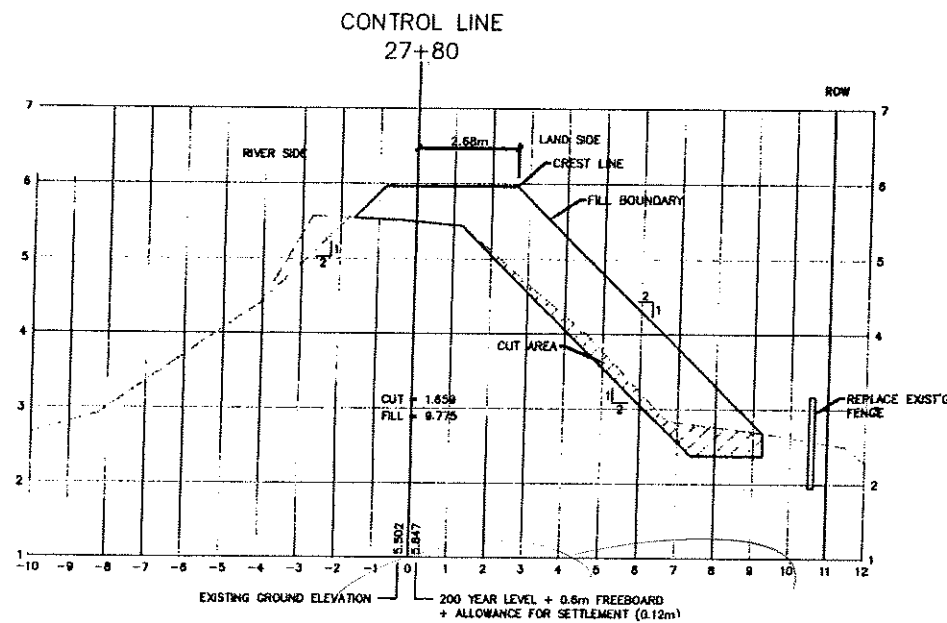
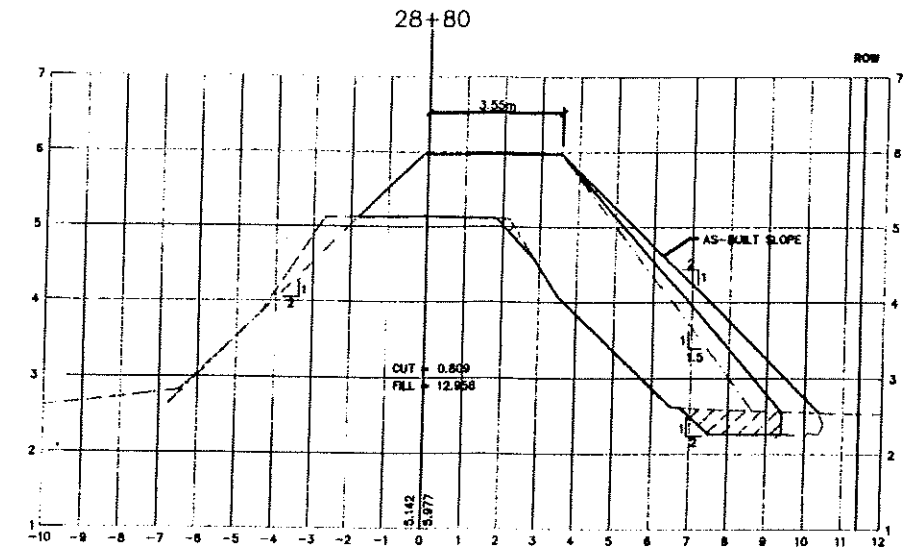
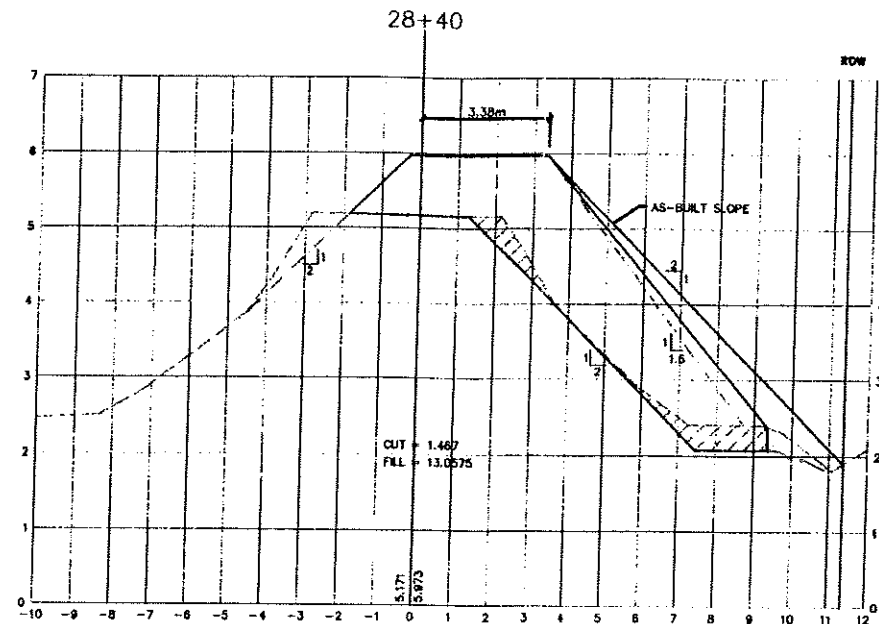
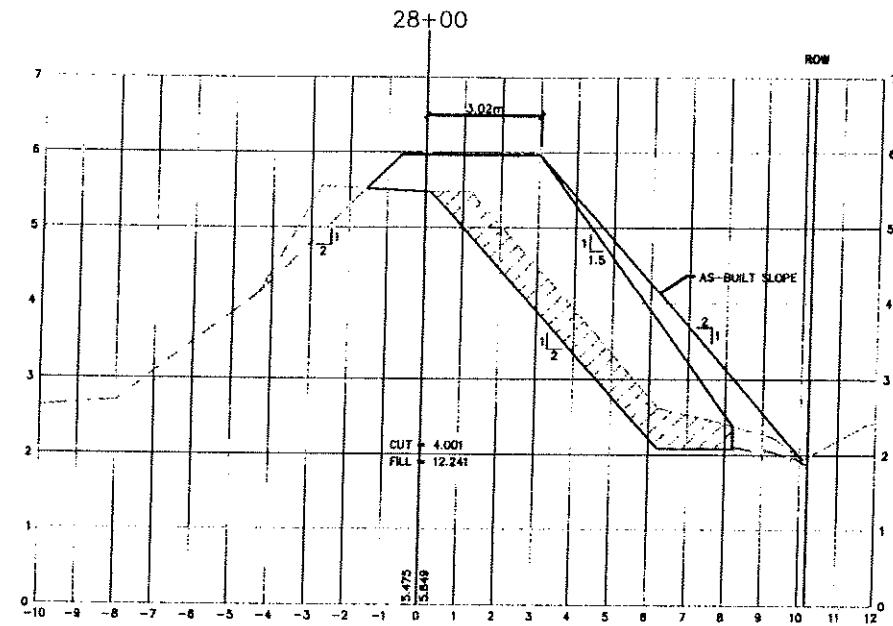
SEAL

**NOTES**  
**UTILITIES AND APPURTENANCES**  
 CONTRACTOR TO CONTACT TELUS, B.C. HYDRO AND B.C. GAS PRIOR TO CONSTRUCTION TO OBTAIN LOCATIONS OF UTILITIES AND APPURTENANCES REQUIRING ADJUSTMENT

No	Date	REVISIONS
1	14/06/06	RECORD DRAWING SHEET
2	26/11/06	ISSUED FOR TENDER
3	26/11/06	ISSUED FOR APPROVAL
4	08/06/06	ISSUED FOR APPROVAL
5	11/06/06	ISSUED FOR APPROVAL
6	14/06/06	TEMPLATE REVISED, ISSUED FOR CONSTRUCTION

PLAN  
 PREPARED BY: PRE  
 DRAWN BY: DLS  
 CHECKED BY: MG  
 DATE: NOV. 2004  
 SCALE: HORIZ. 1:100  
 VERT. 1:50

**The Corporation of the Township of Langley**  
 WEST LANGLEY DYKE UPGRADE  
 X-SECTIONS - 26+60 TO 27+60  
 PLAN 02098028 SHEET NO. SHEET 12 OF 15 REV. 5



NOTE: STEEPEN LAND SIDE SLOPE LOCALLY AT 1:5H:1V WHERE REQUIRED BETWEEN SECTIONS 27+00 TO 29+97.351

**AS CONSTRUCTED NOTES:**

ADDITIONAL 2 METRES OF R.O.W. EASEMENT ACQUIRED BY LANGLEY TOWNSHIP FROM STA. 28+60.00 TO STA. 29+97.351 TO ENABLE THE PLACEMENT OF DYKE FILL AT 1V:2H SLOPE AND THE DELETION OF THE PROPOSED LOCK BLOCK RETAINING WALL.



Waterworks	
Sanitary	
Storm Drains	
Ditches	
Misc. Utilities	
Poles	

**BENCHMARK**  
 MONUMENT 88H5666 LOCATED AT 205 ST. AND 102B AVE ELEVATION = 8.504  
 MONUMENT 88H4564 LOCATED AT 203 ST AND 102 B AVE ELEVATION = 3.53  
 MONUMENT 84H9718 LOCATED AT 208 ST AND 102 B AVE ELEVATION = 3.364

**LEVELTON**  
 Engineering Solutions  
 Levelton Engineering Ltd.  
 110-12791 Clovis Place Tel: 604 278-1411  
 Steveston, B.C. Fax: 604 278-1042  
 PLS. No. 301-0197-01

SEAL

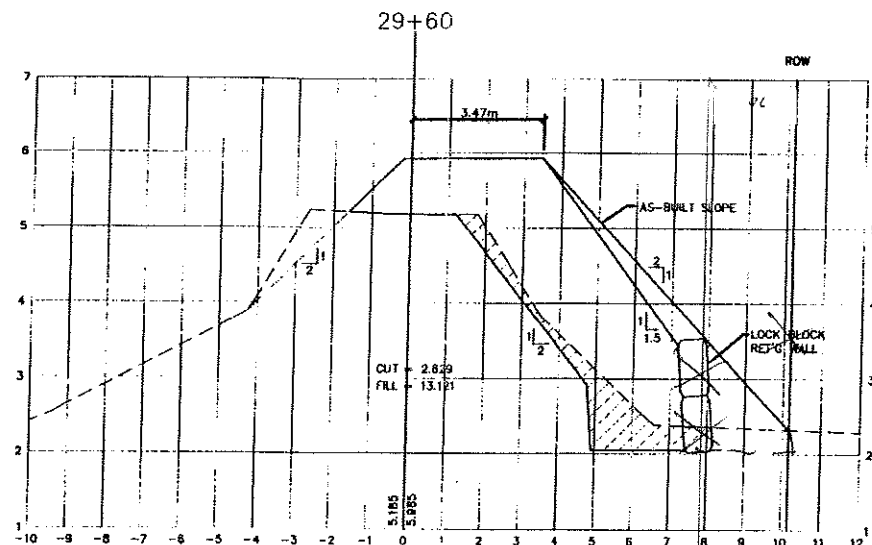
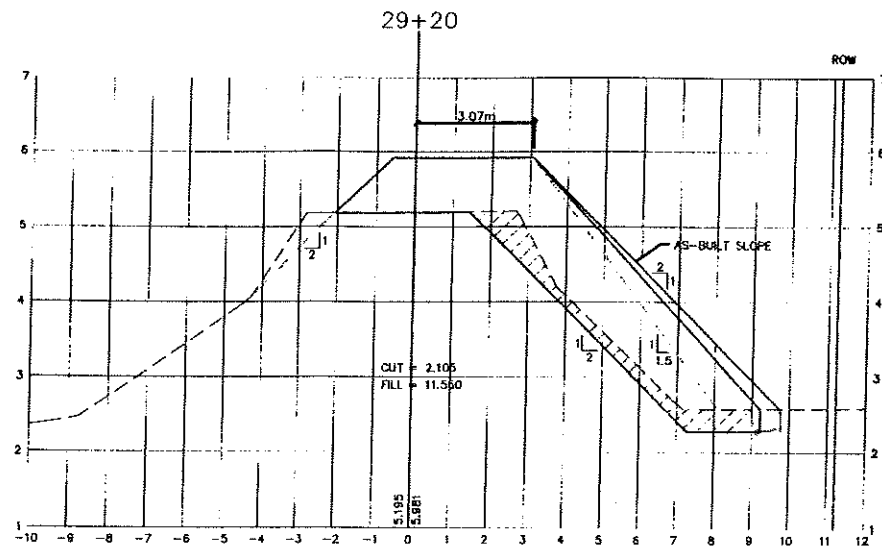
**NOTES**  
**UTILITIES AND APPURTENANCES**  
 CONTRACTOR TO CONTACT TELUS B.C. HYDRO AND B.C. GAS PRIOR TO CONSTRUCTION TO CONFIRM LOCATIONS OF UTILITIES AND APPURTENANCES REQUIRING ADJUSTMENT

No	Date	REVISIONS
1	14/04/02	RECORD DRAWING ISSUE
2	14/05/02	EASEMENT WIDTH, SLOPE FLATTENED
3	26/11/02	ISSUED FOR TENDER
4	28/12/02	ISSUED FOR APPROVAL
5	04/01/03	ISSUED FOR APPROVAL
6	11/01/03	ISSUED FOR CONSTRUCTION
7	14/01/03	TEMPLATE BOARD, ISSUED FOR CONSTRUCTION

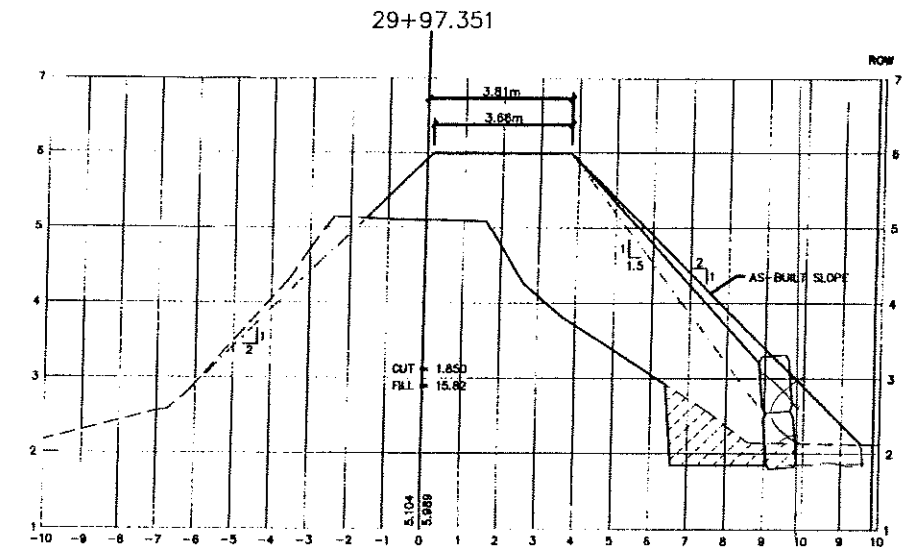
DESIGNED BY	PRE
DRAWN BY	DLB
CHECKED BY	MG
DATE	NOV. 2001
HORIZ.	1:100
VERT.	1:50

CERTIFIED RECORD DRAWING

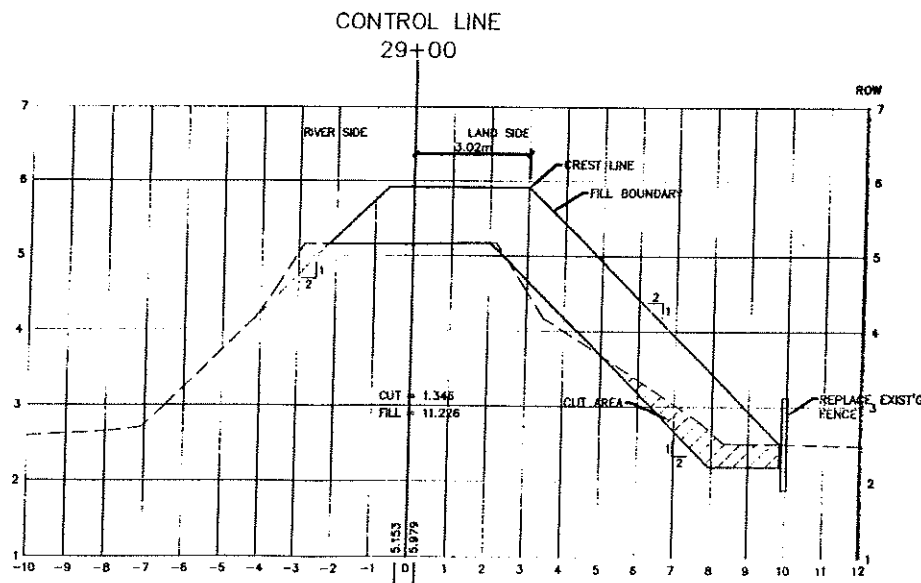
**The Corporation of the Township of Langley**  
 Township of Langley  
**WEST LANGLEY DYKE UPGRADE**  
 X-SECTIONS - 27+80 TO 28+80  
 PLAN 02098029 SHEET NO. SHEET 13 OF 15



LOCK BLOCK WALL NOT CONSTRUCTED



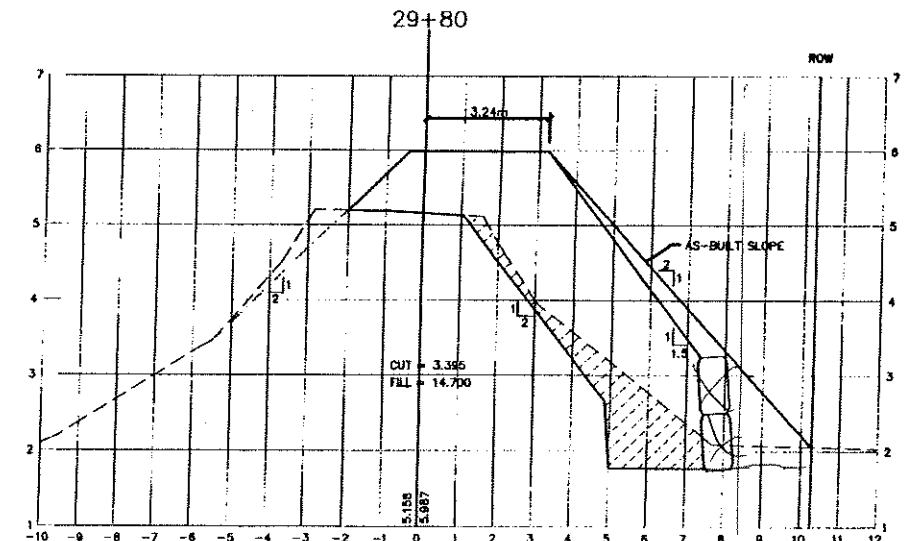
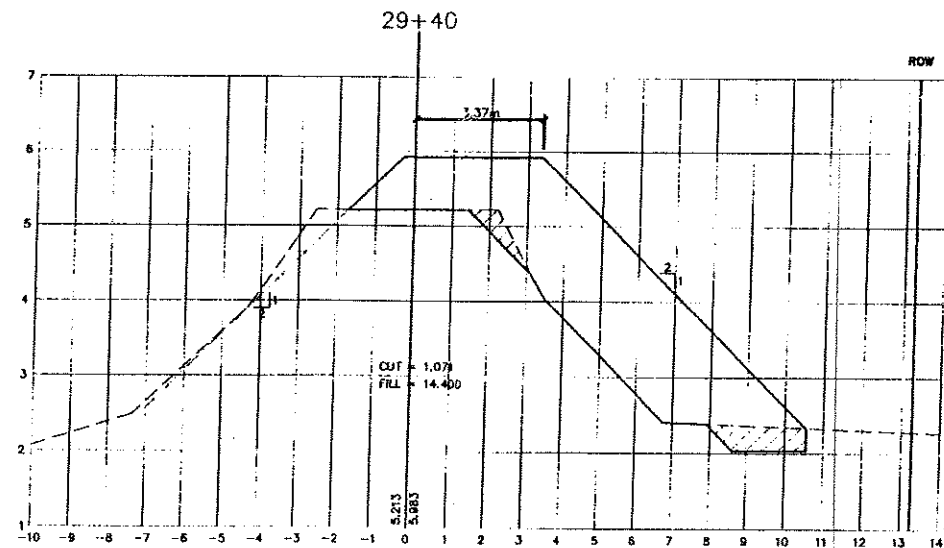
LOCK BLOCK WALL NOT CONSTRUCTED



EXISTING GROUND ELEVATION  
200 YEAR LEVEL + 0.6m FREEBOARD  
+ ALLOWANCE FOR SETTLEMENT (0.12m)

NOTE: STEEPEN LAND SIDE SLOPE LOCALLY AT 1.5H:1V WHERE  
REQUIRED BETWEEN SECTIONS 27+00 TO 29+97.351

AS CONSTRUCTED NOTES:  
ADDITIONAL 2 METRES OF R.O.W. EASEMENT ACQUIRED BY  
LANGLEY TOWNSHIP FROM STA. 28+00 TO STA. 29+97.351  
TO ENABLE THE PLACEMENT OF DYKE FILL AT 1V:2H SLOPE  
AND THE DELETION OF THE PROPOSED LOCK BLOCK  
RETAINING WALL.



LOCK BLOCK WALL NOT CONSTRUCTED

CERTIFIED RECORD DRAWING



LEGEND	Symbol	Description
Waterworks	W	Sanitary
Storm Drain	SD	Ditches
Misc. Utilities	Gas, Tel, Power, Combit	Poles

**BENCHMARK**  
MONUMENT 88H5608 LOCATED AT 205 ST. AND 102B AVE  
ELEVATION = 8.504  
MONUMENT 88H4564 LOCATED AT 203 ST AND 102 B AVE  
ELEVATION = 3.33  
MONUMENT 84H9718 LOCATED AT 208 ST AND 102 B AVE  
ELEVATION = 3.364

**LEVELTON**  
Engineering Solutions  
Levelton Engineering Ltd.  
150-12791 Clarke Place, Richmond, B.C.  
Tel: 604 278-1411 Fax: 604 278-1042  
REG. No. 881-9197-01

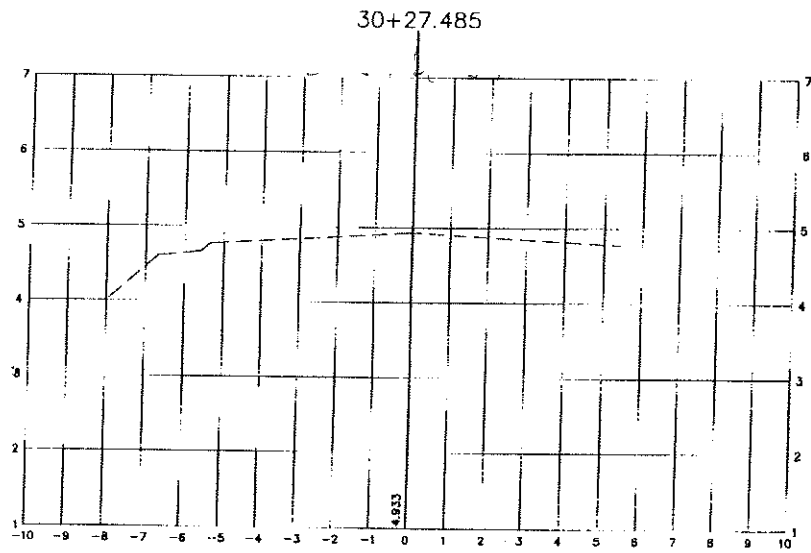
SEAL

**NOTES**  
**UTILITIES AND APPURTENANCES**  
CONTRACTOR TO CONTACT TELUS, B.C. HYDRO AND  
B.C. GAS PRIOR TO CONSTRUCTION TO CONFIRM LOCATIONS  
OF UTILITIES AND APPURTENANCES REQUIRING ADJUSTMENT

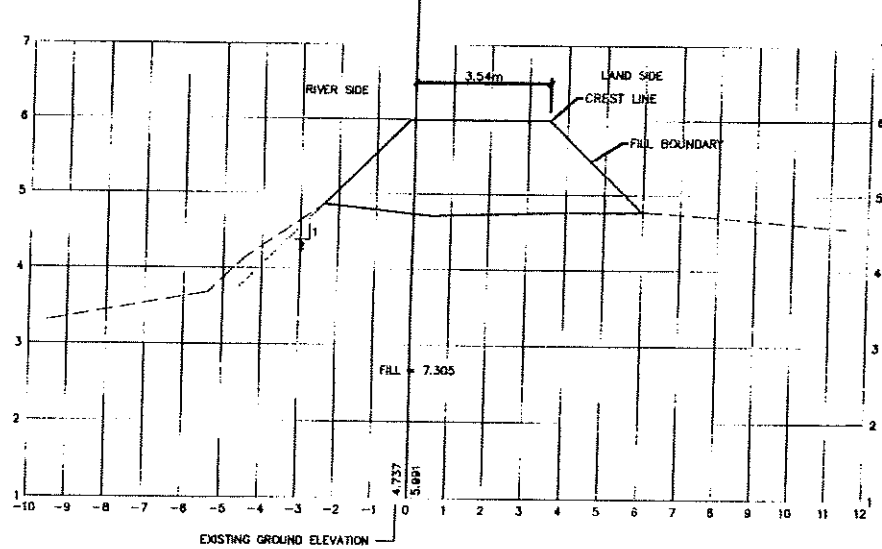
No	Date	REVISIONS
1	11/09/02	ISSUED FOR TENDER
2	02/12/04	ISSUED FOR APPROVAL
3	04/04/05	ISSUED FOR APPROVAL
4	11/09/05	ISSUED FOR CONSTRUCTION
5	04/04/02	REPLACE REVISION 4 ISSUED FOR CONSTRUCTION

DATE	BY	DESCRIPTION
11/09/02	PRE	ISSUED FOR TENDER
02/12/04	DLB	ISSUED FOR APPROVAL
04/04/05	MG	ISSUED FOR APPROVAL
11/09/05	MG	ISSUED FOR CONSTRUCTION

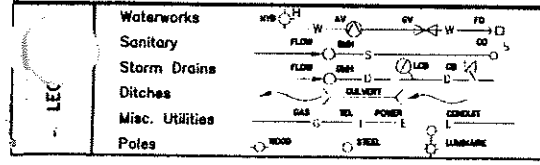
The Corporation of the Township of Langley  
Township of Langley  
WEST LANGLEY DYKE UPGRADE  
X-SECTIONS - 29+00 TO 30+00  
PLAN 0209030 SHEET NO. SHEET 14 OF 15 REV. 4  
HORZ. 1:100  
VERT. 1:50



CONTROL LINE  
END OF DYKE CREST  
30+15.463



CERTIFIED RECORD DRAWING



**BENCHMARK**  
MONUMENT 88H5666 LOCATED AT 205 ST. AND 102B AVE  
ELEVATION = 6.504  
MONUMENT 88H4564 LOCATED AT 203 ST AND 102 B AVE  
ELEVATION = 3.53  
MONUMENT 84H9718 LOCATED AT 206 ST AND 102 B AVE  
ELEVATION = 3.364

**LEVELTON**  
Engineering Solutions

Levelton Engineering Ltd.  
120-17781 Clark Place Tel: 604 278-1411  
Richmond, B.C. Fax: 604 278-1048  
F&E No. 001-9787-01

SEAL

NOTES

**UTILITIES AND APPURTENANCES**  
CONTRACTOR TO CONTACT TELUS, B.C. HYDRO AND  
B.C. GAS PRIOR TO CONSTRUCTION TO CONFIRM LOCATIONS  
OF UTILITIES AND APPURTENANCES REQUIRING ADJUSTMENT

No	Date	REVISIONS
0	26/11/04	ISSUED FOR TENDER
1	26/12/04	ISSUED FOR APPROVAL
2	06/01/05	ISSUED FOR APPROVAL
3	11/01/05	ISSUED FOR CONSTRUCTION
4	18/01/05	TEMPLATE NUMBER ISSUED FOR CONSTRUCTION

PLAN	DATE	BY
PRE		
DLR		
MG		
NOV. 2001		
HORIZ. 1:100		
VERT. 1:50		

The Corporation of the Township of Langley

Township of Langley

**WEST LANGLEY DYKE UPGRADE**  
X-SECTIONS - 30+20 TO 30+27.485

PLAN 02098031 SHEET NO. SHEET 15 OF 15 REV. 5