Winnipeg

Flood Proofing Program • Le Programme de Prévention des Inondations

Water and Waste Department
1500 Plessis Road, Winnipeg, Manitoba R2C 5G6

KILKENNY DRIVE NORTH COMMUNITY RING DIKE LOCAL IMPROVEMENT DISTRICT PROPOSAL

APRIL 22, 2002

Canada

CANADA-MANITOBA PARTNERSHIP AGREEMENT
ON RED RIVER VALLEY FLOOD PROTECTION

ENTENTE DE PARTENARIAT CANADA-MANITOBA SUR LA PROTECTION
CONTRE LES INONDATIONS DANS LA VALLÉE DE LA RIVIÈRE ROUGE

Manitoba

KILKENNY DRIVE NORTH COMMUNITY RING DIKE LOCAL IMPROVEMENT DISTRICT PROPOSAL

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INTRODUCTION

The Canada-Manitoba-City of Winnipeg Agreement on Secondary Diking Enhancements is a funding agreement that allocates funding assistance to reduce the risk of future flooding for properties within the City of Winnipeg, north of the Red River Floodway and outside the Primary Diking System. The Agreement provides for a total of $370,000 for this project. Canada and Manitoba are each contributing $166,500 and the City of Winnipeg is contributing $37,000. Pursuant to the Council Order of June 23, 1999 the City's share of community ring dike costs is to be recovered from the benefiting property owners through the local improvement process.

DISTRICT LOCAL IMPROVEMENT PROCESS

Section 392.1 of The City of Winnipeg Act provides a mechanism for conducting district local improvements. In the case of the Kilkenny Drive North Community Ring Dike Project, the community has been consulted on flood mitigation options through public meetings held in the community by the Project Manager for this project. The community has indicated a willingness to proceed with the project. Accordingly, the local improvement process has been initiated by the city.

Under Section 392.1(5) of The City of Winnipeg Act, a local improvement district proposal may be initiated:

" (a) by the Council ".

In the case of the creation of local improvement districts for the purpose of building community ring dikes the Council of the City of Winnipeg will be the initiating body.

Bylaw No. 6990/97 sets out guidelines for the composition of a committee of Council for a local improvement district and the procedures for giving of notice and conducting public hearings for proposed local improvement districts.

Pursuant to the foregoing on July 18, 2001, Council passed Bylaw 7877/2001 that established the councillors of Riel Community Committee as the District Proposal Committee for the proposed Kilkenny Drive North Community Ring Dike. The District Proposal Committee subsequently called for a public hearing to take place on April 22, 2002 commencing at 6:00 p.m. in the St. Norbert Community Centre, 3450 Pembina Highway, for the purpose of receiving representations from the public on the project.

PROJECT DESCRIPTION

The main component of the Kilkenny Drive North Community Ring Dike is a segmental concrete block wall dike as required to attain the designated flood protection level.

KGS Group has been engaged as consulting engineers to prepare the final design and cost estimates and to undertake contract administration for this project.

The map attached as Appendix 1 shows the conceptual design of the works to be constructed.

AREA AFFECTED BY THE PROPOSAL AND LANDS TO BE LEVIED

The plan attached as Appendix 2 shows the area affected by the proposal and depicts the parcels that are subject to the local improvement levy. The parcels on this map are referred to by tax roll number and can be cross-referenced to other parcel identifiers provided in this District Proposal.

ESTIMATED COST OF THE PROJECT

The Consultants have developed an estimated cost for this project based on site investigations and the final design criteria established for the project through consultation with federal and provincial technical representatives.

The estimated cost of the portion of the project is $370,000 that will be shared $166,500 federal, $166,500 provincial and $37,000 city. Pursuant to the Council directive, the city share will be recovered from the benefiting property owners through a local improvement.

METHOD AND ESTIMATED RATE OF TAXATION

Section 392.1(3) of the City of Winnipeg Act sets out the methods of taxation that may be used to levy the costs for a particular local improvement. In the case of the Kilkenny Drive North Community Ring Dike, each benefiting parcel is to equally share the costs to be recovered by the local improvement.

The table attached as Appendix 3 shows the parcel ID (City tax roll number), the parcel address, the parcel area, the estimated total cost per parcel if paid in cash and the estimated annual cost per parcel if added to the realty tax bill for 20 years.

NEXT STEPS

After completion of the public hearing process the District Proposal will be forwarded to Council for first reading of the Kilkenny Drive North Community Ring Dike District Local Improvement Bylaw. This will be followed by a notice of objection period as set out in the City of Winnipeg Act that allows property owners the right to object to the proposal. If owners of lands within a proposed local improvement district having a total area greater than 50% of the total area of all lands within the district object to the District Proposal, then it will not proceed.

The schedule attached as Appendix 4 sets out the sequence of events proposed to be followed for the local improvement portion of this project.

Appendix 1

Map showing scope of works

Appendix 2

Plan showing affected land parcels

Appendix 3

Table showing parcel detail and costs

Appendix 4

Proposed schedule

PROPOSED SCHEDULE FOR COUNCIL ADOPTION OF KILKENNY DRIVE NORTH COMMUNITY RING DIKE LOCAL IMPROVEMENT DISTRICT

Target Dates/ Completion Dates:	***Description of activity to be completed or completed:***
July 18, 2001	Council passed By-law No. 7877/2001 to establish the Committee of Council for the proposed Kilkenny Dive North Community Ring Dike Local Improvement District.
March 19, 2002	Meeting with property owners to finalize dike design.
April 3, 2002	Dike drawings finalized (for incorporation into the Local Improvement District Proposal document).
April 3, 2002	District Proposal Committee (Riel CC) approves April 22 Hearing date.
April 3-April 5	Administration prepares notices and documentation for the public hearing on April 22, 2002.
April 8, 2002	Publish the notice, as described in By-law 6990/97, in Free Press at least 14 days before the date of the public hearing.
April 8, 2002	Serve copies of the notice together with the information package by mail at least 14 days before the date of the public hearing to each property owner (per By-law 6990/97).
April 15, 2002	Agenda deadline for Riel Community Committee.
April 22, 2002	Conduct public hearing by District Proposal Committee and Administration (Section 392.1(7)) at the Riel Community Committee meeting.
April 23, 2002	Completion date for LI district proposal and to formulate recommendations to committees of Council.
April 23, 2002	Agenda deadline for Standing Policy Committee on Public Works.
April 30, 2002	Standing Policy Committee on Public Works meeting – proposal reviewed.
May 1, 2002	Agenda deadline for Executive Policy Committee.
May 8, 2002	Executive Policy Committee meeting – proposal reviewed.
May 9, 2002	Legal Services to draft Authorization By-law for Council approval.

May 22, 2002	Council meeting (to review district proposal and give 1st reading of the district improvement by-law, in whole or in part, with or without changes to any of the matters set out in the proposal).
May 24, 2002	By registered mail, send notices of objection to each land owner (Section 392.1(9)(b)). Contents of notice of objection described in Section 392.1(12).
May 24, 2002	Advertise the proposed by-law (Section 392.1(9)(a)) in Free Press. Contents of notice described in Section 392.1(10).
June 24, 2002	Deadline for submission of notices of objection (31 days from date of mailing).
June 25, 2002	Objection results are tabulated for sufficiency and recommendation to Council prepared.
June 26, 2002	Agenda deadline for EPC meeting.
July 3, 2002	Executive Policy Committee meeting – receives vote results.
July 17, 2002	Council meeting – 2nd and 3rd readings of the authorization by-law.

EASEMENT SCHEDULE

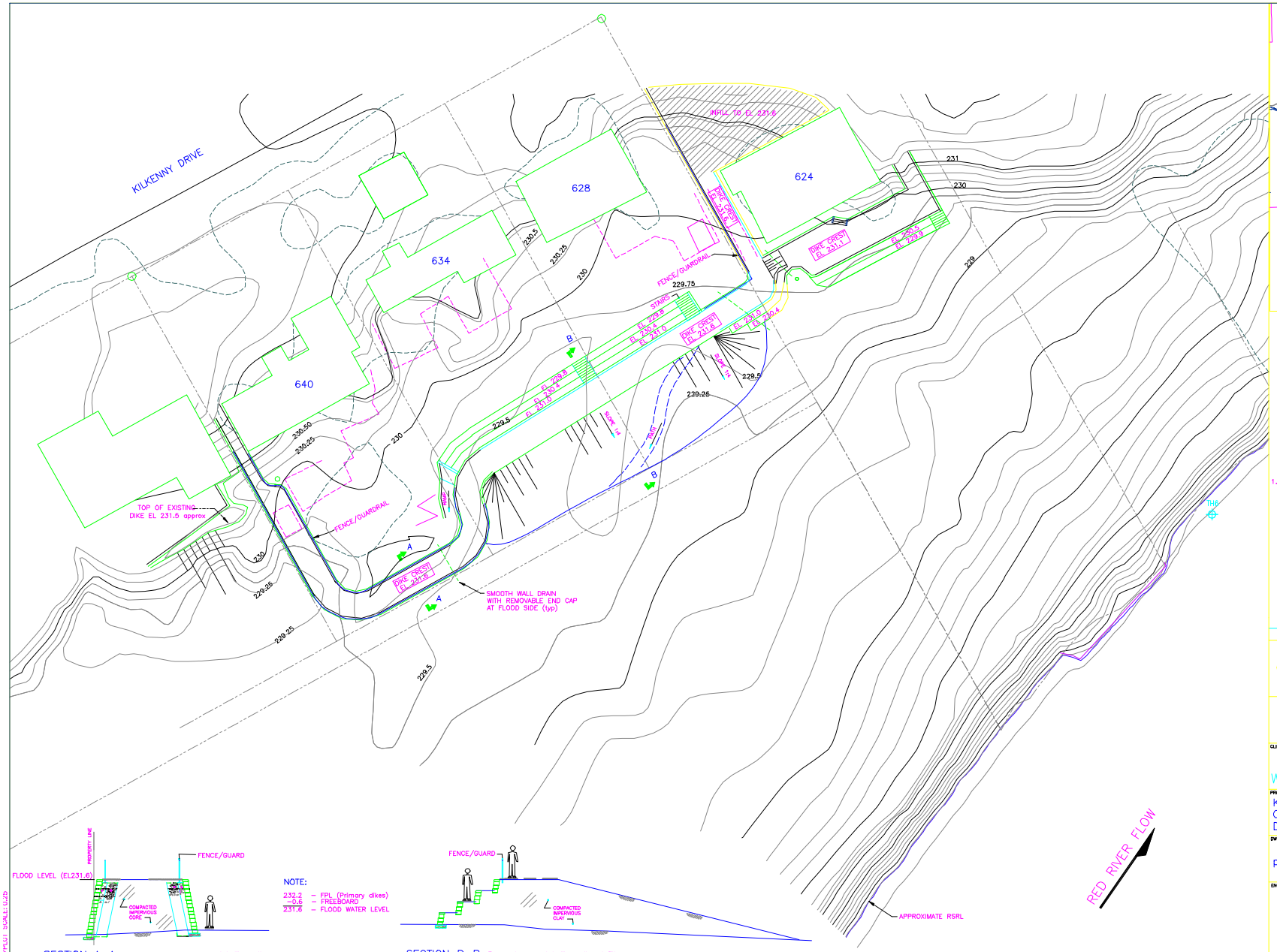
April 23 to June 25	Access easement and maintenance agreements sought from owners.

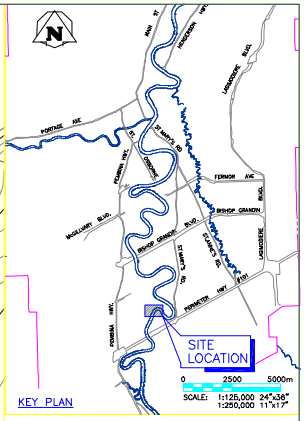
ENVIRONMENTAL APPROVAL SCHEDULE

April 23 to June 25	Obtain environmental approvals.

TENDER AND CONSTRUCTION SCHEDULE

July 19, 2002	Dike Works Tender advertised.
July 29, 2002	Tender closes.
August 2, 2002	Director of Water and Waste awards contract.
October 18, 2002	Dike works and site restoration complete.





LEGEND

- 225.5 — GEODETIC CONTOUR (m)
- TH6 — KGS GROUP TEST HOLE (FEB, 2000)
- RSRL — REGULATED SUMMER RIVER LEVEL (EL.223.7m)
- PROPERTY LIMIT
- 223.5 — RIVERBED CONTOUR (m)

NOTE:

1. SITE PLAN BASED ON CITY OF WINNIPEG 1998 ORTHOGRAPHIC MAPPPING AND KGS GROUP SURVEY, MAY/JUNE 2001.

0 5 10 15 20 25m

SCALE: 1:250 METRIC 24"x36"
1:500 METRIC 11"x17"

REVISIONS / ISSUE

A. SECTION LETTER OR DETAIL NUMBER
B. DRAWING WHERE SECTION OR DETAIL IS DRAWN
OR
DRAWING WHERE SECTION OR DETAIL WAS INDICATED
— SECTION OR DETAIL SHOWN ON SAME DRAWING

SECTION A–A Typical double sided segmental dike wall

SCALE 1:200

NOTE:

232.2 – FPL (Primary dikes)
−0.6 – FREEBOARD
231.6 – FLOOD WATER LEVEL

SECTION B–B Terraced segmental dike wall and fill

SCALE 1:200

KGS GROUP
CONSULTING ENGINEERS & PROJECT MANAGERS
WINNIPEG (204) 896-1209
THUNDER BAY (807) 345-2233

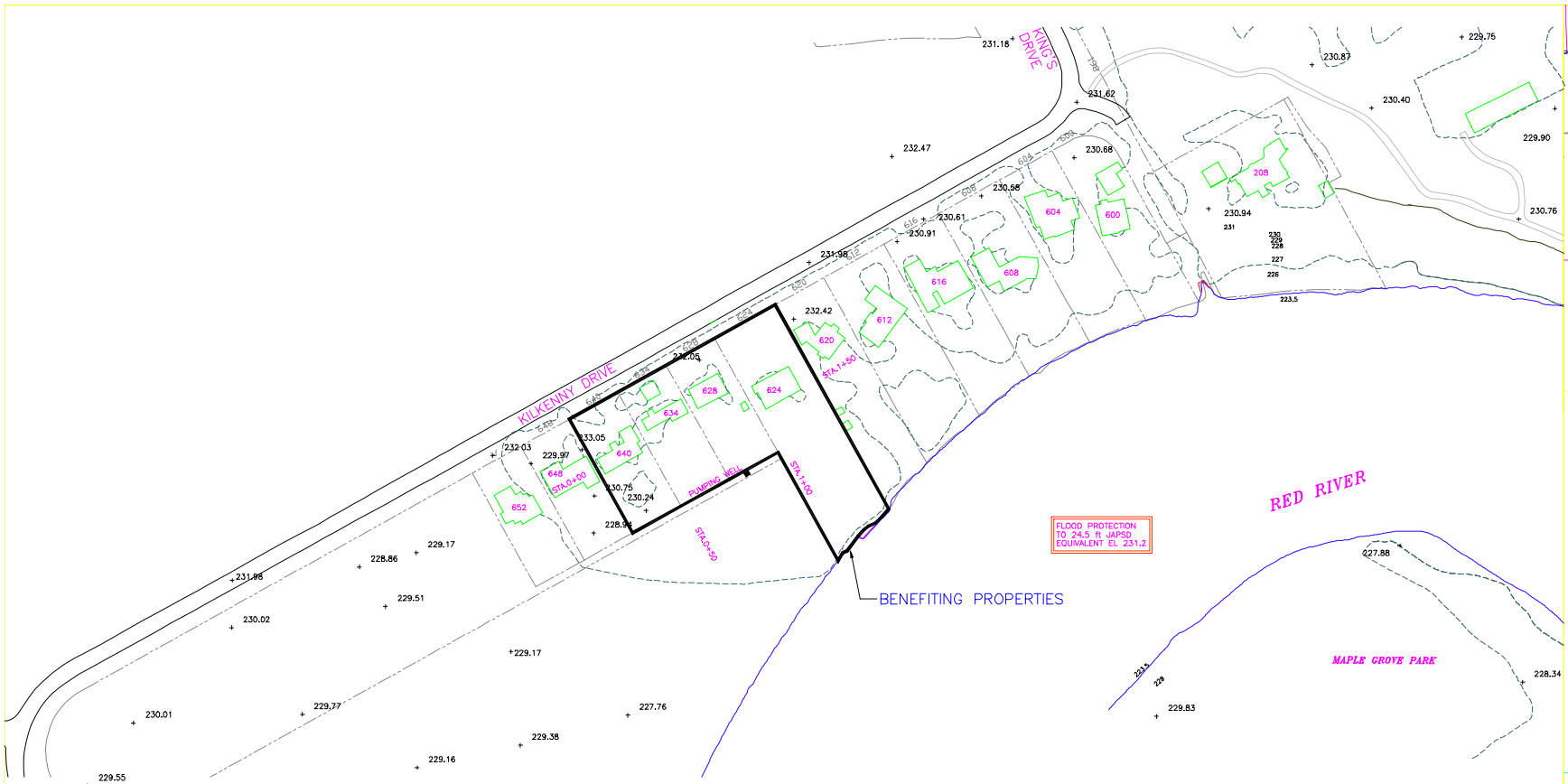
CLIENT:
THE CITY OF WINNIPEG
PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES DIVISION

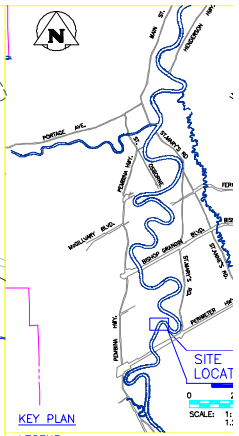
PROJECT:
KILKENNY DRIVE
COMMUNITY RING DIKE
DIKE CONSTRUCTION TO EL 25.8 JAPSD

DWG. DESCRIPTION:
proposed dike layout

ENG STAMP	DESIGNED: BY jbs CHECKED	DRAWN: BY: ja CHECKED:
	APPROVED:	
	SCALE: AS NOTED	DATE: april 2002
	KGS DWG. NO. 01-107-08 SK09	
CLIENT DWG. NO.		REVS 0

24 X36 / PLOT SCALE: 0.5





KEY PLAN

LEGEND

- PROPERTY LIMITS
- PRIMARY DIKE
- TREELINE
- 230.00 ELEVATION CONTOUR (m, GEOD
- +227.76 SPOT ELEVATION (m, GEODETIC
- FPL FLOOD PROTECTION LEVEL
- WRL WINTER RIVER LEVEL
- STA 0+00 STATION ALONG DIKE (m)
- JAPSD JAMES AVENUE PUMPING STATI

NOTES:

1. TOPOGRAPHIC BASE MAP BASED ON 1999 BASE MAPPING AND WERE SUPPLIED BY TH WINNIPEG.

0 20 40 60 8

SCALE: 1:1000 METRIC 24"x36"
1:2000 METRIC 11"x17"

NO.	D / M / Y	DESCRIPTION
B	27/06/01	ISSUED FOR REVIEW
A		ISSUED FOR CLIENT REVIEW

REVISIONS / ISSUE

A. SECTION LETTER OR DETAIL NUMBER
B. DRAWING WHERE SECTION OR DETAIL IS DRAWN
OR
DRAWING WHERE SECTION OR DETAIL WAS INDICATED
— SECTION OR DETAIL SHOWN ON SAME DRAWING

KGS GROUP
CONSULTING ENG & PROJECT MAN
WINNIPEG (204) 896-1
THUNDER BAY (807) 345-2

CLIENT:
Canada Manitoba
CITY OF WINNIPEG

PROJECT:
COMMUNITY RING DIKE SITES
FUNCTIONAL DESIGN

DWG DESCRIPTION:
KILKENNY DRIVE (NORTH)
PLAN AND SECTIONS
PROTECTION TO 24.5 ft JAPS

ENG. STAMP

DESIGNED: TC
CHECKED: RK
APPROVED:
SCALE: AS NOTED
DATE:
KGS DWG. NO.
99-107-05

KGS FILE NO.: 99-107-05-11ExvBResMast.DWG
24"x36" PLOT SCALE: 1000

No.	Parcel ID	Address	Parcel Area (m^2)	Total Cost $37,000	Annual Cost over 20 yrs
1	3042637000	624 Kilkenny Drive	3,242	$9,250	$897.07
2	3042636000	628 Kilkenny Drive	1,393	$9,250	$897.07
3	3042634000	634 Kilkenny Drive	1,393	$9,250	$897.07
4	3042631000	640 Kilkenny Drive	1,393	$9,250	$897.07