



DuPage Water Commission

600 E. Butterfield Road, Elmhurst, IL 60126-4642
(630)834-0100 Fax: (630)834-0120

NOTICE IS HEREBY GIVEN THAT THE RESCHEDULED AUGUST 2005 ENGINEERING COMMITTEE MEETING OF THE DUPAGE WATER COMMISSION WILL BE HELD AT 7:00 P.M. ON THURSDAY, AUGUST 11, 2005, AT ITS OFFICES LISTED BELOW. THE AGENDA FOR THE RESCHEDULED AUGUST 2005 REGULAR COMMITTEE MEETING IS AS FOLLOWS:

AGENDA

ENGINEERING COMMITTEE
THURSDAY, AUGUST 11, 2005
7:00P.M.

600 EAST BUTTERFIELD ROAD
ELMHURST, IL 60126

COMMITTEE MEMBERS

G. Wilcox, Chair
R. Benson
W. Mueller
R. Ferraro

- I. Roll Call
- II. Approval of Minutes for Committee Meeting of July 14, 2005

RECOMMENDED MOTION: To approve the Minutes of the July 14, 2005 Engineering Committee meeting.

- III. Report of Status of Construction/Operations
- IV. Resolution No. R-47-05: A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Contract QR-6/02 at the August 11, 2005, DuPage Water Commission Meeting

RECOMMENDED MOTION: To recommend to the Commission approval of Resolution No. R-47-05: A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Contract QR-6/02 at the August 11, 2005, DuPage Water Commission Meeting during the Super/Special Omnibus Vote Agenda.

- V. Resolution No. R-48-05: A Resolution Approving and Ratifying Certain Contract Change Orders at the August 11, 2005, DuPage Water Commission Meeting

RECOMMENDED MOTION: To recommend to the Commission approval of Resolution No. R-48-05: A Resolution Approving and Ratifying Certain Contract Change Orders at the August 11, 2005, DuPage Water Commission Meeting during the Super/Special Omnibus Vote Agenda.

All visitors must present a valid drivers license or other government-issued photo identification, sign in at the reception area and wear a visitor badge while at the DuPage Pumping Station.

- VI. Resolution No. R-49-05: A Resolution Awarding Quick Response Contract (QR-7/05)

RECOMMENDED MOTION: To recommend to the Commission approval of Resolution No. R-49-05: A Resolution Awarding Quick Response Contract (QR-7/05) during the Super/Special Omnibus Vote Agenda.

- VII. Adjournment

**MINUTES OF A MEETING OF THE
ENGINEERING & CONSTRUCTION COMMITTEE
OF THE DuPAGE WATER COMMISSION
HELD ON JULY 14, 2005
600 EAST BUTTERFIELD ROAD
ELMHURST, ILLINOIS**

The meeting was called to order at 7:02 P.M.

Committee members in attendance: R. Benson, R. Ferraro, W. Mueller (arrived at 7:04 P.M.), G. Wilcox and M. Vondra Ex Officio (arrived at 7:16 P.M.).

Committee members absent: None

Also in attendance: T. McGhee, E. Kazmierczak, C. Bostick, John Schori, and R. Shea (AB&H)

Commissioner Benson moved to approve the Minutes of the June 7, 2005 Engineering Committee. Motion seconded by Commissioner Ferraro and passed unanimously as follows:

Aye: R. Benson, R. Ferraro, and G. Wilcox
Nay: None
Absent: W. Muller

The Committee decided it was no longer necessary to review the memorandum regarding the Status of Operations during the Committee meeting.

7:04 P.M. Commissioner Mueller entered the Committee meeting.

Commissioner Ferraro moved to recommend to the Commission approval of Resolution No. R-37-05: A Resolution Approving and Ratifying Certain Contract Change Orders at the July 14, 2005, DuPage Water Commission Meeting during the Super/Special Omnibus Vote Agenda. Motion seconded by Commissioner Benson and the motion passed unanimously as follows:

Aye: R. Benson, R. Ferraro, W. Mueller and G. Wilcox
Nay: None
Absent: None

Commissioner Benson moved to recommend to the Commission approval of Resolution No. R-38-05: A Resolution Approving and Ratifying Certain Task Orders Under a Master Engineering Agreement with Alvord, Burdick & Howson, L.L.C. at the July 14, 2005, DuPage Water Commission Meeting during the Super/Special Omnibus Vote Agenda. Motion seconded by Commissioner Ferraro. Commissioner Benson inquired

Minutes 07/14/05 Engineering Meeting

as to the total dollar amount the Commission has spent under this agreement. Staff informed the Commissioner they would have the total dollar amount for him at the next meeting. The Motion passed unanimously as follows:

Aye: R. Benson, R. Ferraro, W. Mueller and G. Wilcox
Nay: None
Absent: None

Commissioner Benson moved to recommend to the Commission approval of Resolution No. R-41-05: A Resolution Directing Advertisement for Bids on a Contract for the Construction of Blow-Off Valve Improvements – 90" Transmission Main (Contract BOV-2/05) during the Super/Special Omnibus Vote Agenda. Motion seconded by Commissioner Ferraro. Commissioner Wilcox stated that he wanted individual unit prices for the entire project, including both an estimated number of manhole installations and valve rehabilitations. He also stated that he would like to see the proposed bid packages filled out with the Engineer's estimate in the future. Commissioner Benson asked what was included in the bid proposal, including the number of manholes to be installed and the number to be rehabilitated. Staff informed him that, if the Board awarded the contract on the basis of Alternate B (Rehabilitation with Manholes Included), 29 of the 30 blow-off valves on the 90" Transmission Main would be enclosed within vaults after rehabilitation, unless field conditions prevented such enclosure. Staff also cautioned the Commissioner that, even if the Board awarded the contract on the basis of Alternate B (Rehabilitation with Manholes Included), the actual number of manholes that would be installed could not be determined until the contractor exposed each site. Commissioner Wilcox also stated that he was unsure of the legality of some of the language in the proposal, and would discuss it with the Commission's Attorney. The Motion passed unanimously as follows:

Aye: R. Benson, R. Ferraro, W. Mueller and G. Wilcox
Nay: None
Absent: None

Commissioner Benson moved to recommend to the Commission approval of Resolution No. R-42-05: A Resolution Approving and Ratifying Certain Work Authorization Orders under Quick Response Contract QR-6/02 at the July 14, 2005, DuPage Water Commission Meeting during the Super/Special Omnibus Vote Agenda. Motion seconded by Commissioner Ferraro. Commissioner Ferraro stated that he would like all future project estimates sent to the Commissioners in the monthly Board package. The Motion passed unanimously as follows:

Aye: R. Benson, R. Ferraro, W. Mueller and G. Wilcox
Nay: None
Absent: None

7:16 P.M. Chairman Vondra entered the Committee meeting.

Commissioner Ferraro moved to recommend to the Commission approval of Resolution No. R-44-05: A Resolution Approving a First Amendment to Task Order No. 19 Under the Master Engineering Agreement with Alvord Burdick & Howson, L.L.C. during the Super/Special Omnibus Vote Agenda. Motion seconded by Commissioner Benson. Commissioner Wilcox asked why there were additional costs on a project that had not started. Staff informed him that the additional costs were due to additional design services, construction services not initially included in the contract and the addition of as-built drawings. Chairman Vondra asked what caused the problem with the bolts, and who was responsible for the problem. Staff informed him that the original bolts used were Cor-Ten Steel and, due to the high amount of stray electrical currents in the area that the pipe was located, the bolts were corroding at an accelerated rate. Due to time constraints, Commissioner Ferraro moved to table the motion as it stands until next month. Motion seconded by Commissioner Benson and passed as follows:

Aye: R. Benson, R. Ferraro, and G. Wilcox
Nay: W. Mueller
Absent: None

Commissioner Muller moved to recommend to the Commission approval of Resolution No. R-45-05: A Resolution Approving a First Amendment to Task Order No. 18 Under the Master Engineering Agreement with Alvord Burdick & Howson, L.L.C. during the Super/Special Omnibus Vote Agenda. Motion seconded by Commissioner Benson and passed unanimously as follows:

Aye: R. Benson, R. Ferraro, W. Mueller, and G. Wilcox
Nay: None
Absent: None

Commissioner Benson moved to recommend to the Commission approval of Resolution No. R-46-05: A Resolution Approving a First Amendment to Task Order No. 17 Under the Master Engineering Agreement with Alvord Burdick & Howson, L.L.C. during the Super/Special Omnibus Vote Agenda. Motion seconded by Commissioner Ferraro and passed unanimously as follows:

Aye: R. Benson, R. Ferraro, W. Mueller, and G. Wilcox
Nay: None
Absent: None

Commissioner Ferraro moved to adjourn the meeting at 7:26 P.M. Motion seconded by Commissioner Benson and unanimously approved by voice vote.

All voted aye. Motion carried.



DuPage Water Commission

MEMORANDUM

TO: Robert Martin General Manager

FROM: Terry McGhee Operations Supervisor
Ed Kazmierczak Pipeline Supervisor
Chris Bostick Facilities Construction Supervisor
John Schori Instrumentation Supervisor
Frank Frelka GIS Coordinator

DATE: August 5, 2005

SUBJECT: Status of Operations

Operations Overview

The Commission's sales for the month of July were a total of 4.021 billion gallons. This represents an average day demand of 129.7 million gallons per day (MGD), which is higher than the July 2004 average day demand of 101 MGD. The maximum day demand was 155.4 MGD on July 18, 2005, which is higher than the July 2004 maximum day demand of 119.1 MGD. The minimum day flow was 91.6 MGD. The Commission recorded a total precipitation for the month of July of 1.74 inches compared to 2.33 inches for July 2004.

Operations Construction Overview

Contract PSD-6 Reservoir Addition

Division A – Equipment and Material Storage: On hold until determination of size and type of structure (if any) to be added for Pipe Storage.

Division B – Cadwell Avenue Re-alignment: Staff is currently reviewing and will be providing preliminary plans to the City of Elmhurst, York Township Highway Department, and the Village of Oakbrook for the Cadwell Avenue Re-Alignment.

Contract PSD-7 DPPS Electrical Generation

The electrical generation project is currently on hold.

Remote Facility & Tank Sites

Northern Illinois Fence completed the repairs to the fencing at the Commission's tank sites.

Pipe Storage Facility

Staff is currently developing a site use plan, investigating leasing options for commercial storage facilities, and developing preliminary cost estimates for temporary storage facilities. Staff's findings will be presented along with the results of the of the QR-7 bids at the September meeting.

Pipe Loop Pilot Plant

The initial results of the study are expected in the first quarter of 2006.

GIS

The engineering drawings are ready to be scanned. Integrated Document Technology (IDT) is going to pick up the drawings early next week and should have the scanning finished within two weeks. Staff is working on populating the valve database and finishing writing Visual Basic script that will update ArcSDE datasets automatically after editing.

Staff is finishing putting together the map books and identifying valve numbers and other asset information that needs to be entered into the geodatabase.

Pipeline Construction Overview**CONTRACT BOV-1/02 VALVE IMPROVEMENTS**

A Contract Balancing Change order appears on the Committee's agenda as R-48-05

Lost Time Accidents to Date 08/05/05 0 Days

CONTRACT TIB-1/03 INNER BELT TRANSMISSION MAIN

Pipe installation has been completed. Curb and gutter replacement and pavement restoration is currently underway. A request for a Contract Time Extension appears on the Committee's agenda as R-48-05

Lost Time Accidents to Date 08/05/05 0 Days

CONTRACT QR-6

Installation of CP test stations necessary for the continued prosecution of the work under Contract CP-3, and previously approved under R-66-04 and R-20-05, have been completed. A resolution approving certain work authorization orders appears on the Committee's agenda as R-47-05. A resolution awarding Contract QR-7/05 appears on the Committee's agenda as R-49-05

Lost Time Accidents to Date 08/05/05 0 Days

CONTRACT CP-3 CORROSION IDENTIFICATION AND ASSESSEMENT

Cathodic Protection Management is continuing with field work under this contract.

Lost Time Accidents to Date 08/05/05 0 Days

CONTRACT BOV-2/04 90" BLOW OFF VALVE IMPROVEMENTS

A resolution directing advertisement for bids was approved at the July Commission meeting.

CONTRACT TS-6/04 SOUTH TRANSMISSION MAIN—PLAINFIELD ROAD

A resolution requesting authorization of a Contract Time extension was approved at the July meeting. Work is scheduled to begin in late summer/early fall 2005.

The following are attachments to this memorandum:

1. DuPage Laboratory Bench Sheet for July, 2005
2. Water Sales Analysis 01-May-03 to 30-July-05
3. Chart showing Commission sales versus allocations
4. Chart showing Commission sales versus historical averages

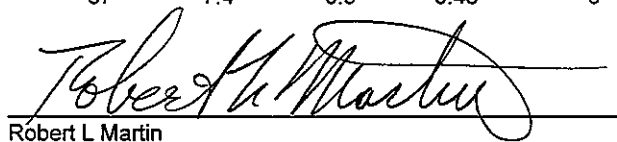
DUPAGE WATER COMMISSION LABORATORY BENCH SHEET
MONTHLY REPORT FOR JULY 2005

LEXINGTON SUPPLY

DUPAGE DISCHARGE

DAY	FREE CL ₂ mg/l	TURBIDITY NTU	PO ₄ mg/l	FREE CL ₂ mg/l	TURBIDITY NTU	TEMP °F	pH	Fluoride mg/l	PO ₄ mg/l	P.A.C. LBS/MG	ANALYST INT
1	0.79	0.09	0.52	0.78	0.07	67	7.4	1.1	0.51	0	KD
2	0.76	0.11	0.52	0.79	0.07	68	7.4	1.0	0.51	0	JV
3	0.76	0.09	0.51	0.79	0.07	70	7.4	1.1	0.51	0	JV
4	0.77	0.09	0.53	0.75	0.08	70	7.4	1.1	0.52	0	KD
5	0.75	0.10	0.52	0.78	0.07	70	7.4	1.1	0.52	0	KD
6	0.78	0.10	0.48	0.77	0.07	70	7.4	1.1	0.51	0	KD
7	0.79	0.10	0.51	0.77	0.07	69	7.4	1.1	0.48	0	KD
8	0.75	0.08	0.51	0.76	0.07	71	7.4	1.1	0.49	0	JV
9	0.76	0.10	0.49	0.74	0.08	72	7.4	1.1	0.49	0	JV
10	0.77	0.09	0.53	0.77	0.08	73	7.4	1.1	0.49	0	JV
11	0.77	0.08	0.53	0.70	0.07	73	7.4	1.1	0.51	0	JV
12	0.74	0.10	0.49	0.74	0.09	71	7.4	1.1	0.49	0	KD
13	0.76	0.10	0.49	0.74	0.07	72	7.4	0.9	0.49	0	KD
14	0.76	0.10	0.51	0.75	0.07	73	7.4	0.9	0.49	0	KD
15	0.74	0.10	0.52	0.77	0.09	74	7.4	0.9	0.48	0	KD
16	0.74	0.08	0.52	0.75	0.09	74	7.4	0.9	0.52	0	JV
17	0.75	0.08	0.52	0.74	0.07	74	7.4	0.9	0.53	0	JV
18	0.72	0.09	0.51	0.72	0.07	74	7.4	1.0	0.52	0	JV
19	0.76	0.09	0.53	0.71	0.07	74	7.4	1.0	0.51	0	JV
20	0.78	0.10	0.54	0.79	0.07	74	7.4	0.9	0.49	0	KD
21	0.78	0.09	0.51	0.80	0.08	75	7.4	0.9	0.49	0	KD
22	0.72	0.10	0.49	0.80	0.07	74	7.4	0.9	0.52	0	KD
23	0.71	0.10	0.49	0.81	0.10	75	7.4	0.9	0.52	0	KD
24	0.72	0.09	0.48	0.79	0.09	75	7.4	1.1	0.53	0	JV
25	0.73	0.09	0.52	0.78	0.08	75	7.4	1.0	0.51	0	JV
26	0.71	0.10	0.51	0.78	0.08	75	7.4	1.0	0.52	0	JV
27	0.72	0.10	0.52	0.76	0.09	75	7.4	1.1	0.53	0	JV
28	0.69	0.10	0.53	0.76	0.07	76	7.4	1.0	0.51	0	KD
29	0.71	0.10	0.52	0.78	0.07	76	7.4	0.9	0.54	0	KD
30	0.72	0.10	0.52	0.77	0.07	76	7.4	1.0	0.53	0	KD
31	0.74	0.10	0.51	0.79	0.07	76	7.4	0.9	0.52	0	KD
AVG	0.75	0.09	0.51	0.77	0.08	73	7.4	1.0	0.51	0	
MAX	0.79	0.11	0.54	0.81	0.10	76	7.4	1.1	0.54	0	
MIN	0.69	0.08	0.48	0.70	0.07	67	7.4	0.9	0.48	0	


Terrance McGhee
Operations Supervisor


Robert L. Martin
General Manager

DU PAGE WATER COMMISSION
WATER SALES ANALYSIS

01-May-92 TO 31-Jul-05

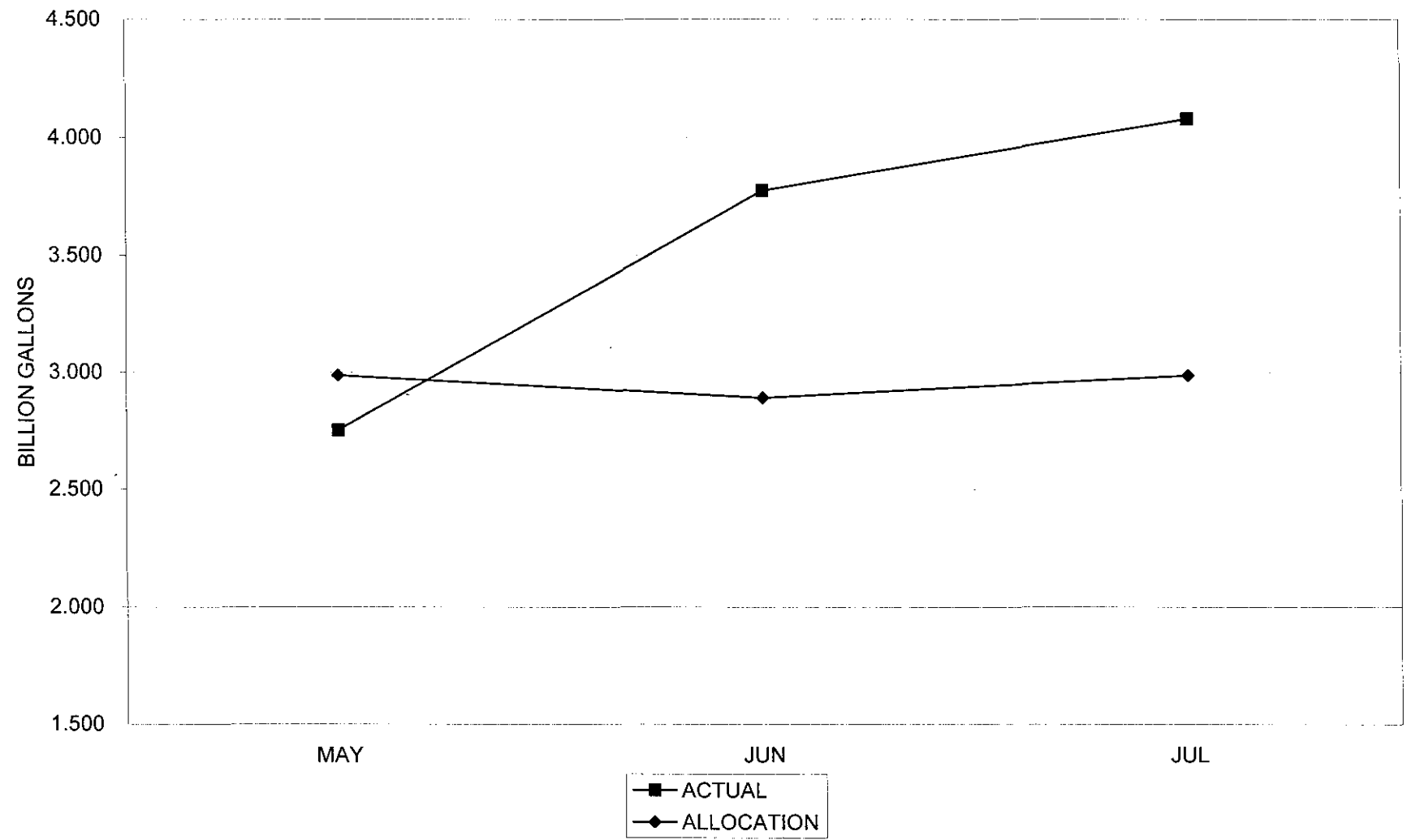
PER DAY AVERAGE 81,556,205

MONTH	SALES TO CUSTOMERS (GALLONS)	PURCHASES FROM CHICAGO (GALLONS)	GALLONS BILLED %	BILLINGS TO CUSTOMERS	BILLINGS FROM CHICAGO	DOCUMENTED COMMISSION WATER USE (2)	DOCUMENTED COMMISSION WATER USE %	TOTAL ACCOUNTED FOR %
May-02	2,530,549,000	2,620,422,434	96.57%	\$3,390,935.66	\$3,078,996.36	10,740,300	0.41%	96.98%
Jun-02	2,974,993,000	3,064,246,366	97.09%	\$3,986,490.62	\$3,600,489.48	2,949,188	0.10%	97.18%
Jul-02	3,818,677,000	3,928,688,630	97.20%	\$5,117,027.18	\$4,616,209.14	1,407,000	0.04%	97.24%
Aug-02	3,243,485,000	3,347,860,391	96.88%	\$4,346,269.90	\$3,933,735.96	1,155,200	0.03%	96.92%
Sep-02	2,941,334,000	3,026,340,894	97.19%	\$3,941,387.56	\$3,555,950.55	1,130,900	0.04%	97.23%
Oct-02	2,515,785,000	2,551,823,030	98.59%	\$3,371,216.38	\$2,998,392.06	1,354,600	0.05%	98.64%
Nov-02	2,264,094,000	2,328,010,928	97.25%	\$3,034,011.20	\$2,735,412.84	811,900	0.03%	97.29%
Dec-02	2,384,875,000	2,439,819,728	97.75%	\$3,195,844.10	\$2,866,788.18	885,300	0.04%	97.78%
Jan-03	2,430,849,000	2,496,371,382	97.38%	\$3,257,685.17	\$3,053,062.20	751,400	0.03%	97.41%
Feb-03	2,166,550,000	2,216,028,831	97.77%	\$2,903,280.54	\$2,710,203.26	919,100	0.04%	97.81%
Mar-03	2,347,318,000	2,412,660,360	97.29%	\$3,145,477.42	\$2,950,683.62	835,700	0.03%	97.33%
Apr-03	2,338,518,000	2,401,856,926	97.36%	\$3,133,682.63	\$2,937,471.02	12,052,576	0.50%	97.86%
May-03	2,622,301,000	2,711,004,309	96.73%	\$3,619,032.96	\$3,315,558.27	3,119,550	0.12%	96.84%
Jun-03	3,031,274,000	3,129,263,410	96.87%	\$4,183,476.12	\$3,827,089.15	9,583,535	0.31%	97.17%
Jul-03	3,114,181,000	3,213,079,828	96.92%	\$4,297,569.78	\$3,929,596.63	3,414,287	0.11%	97.03%
Aug-03	3,137,669,000	3,237,477,343	96.92%	\$4,330,318.18	\$3,959,434.79	6,589,500	0.20%	97.12%
Sep-03	2,775,903,000	2,842,321,431	97.66%	\$3,830,750.38	\$3,476,159.11	1,081,000	0.04%	97.70%
Oct-03	2,463,017,000	2,531,079,199	97.31%	\$3,361,577.64	\$3,095,509.86	1,199,100	0.05%	97.36%
Nov-03	2,220,837,000	2,263,237,760	98.13%	\$3,110,603.92	\$2,767,939.78	1,004,600	0.04%	98.17%
Dec-03	2,302,995,000	2,357,446,124	97.69%	\$3,178,138.40	\$2,883,156.61	785,500	0.03%	97.72%
Jan-04	2,353,099,000	2,415,231,136	97.43%	\$3,247,276.62	\$3,040,776.00	999,500	0.04%	97.47%
Feb-04	2,205,542,000	2,253,789,245	97.86%	\$3,043,647.96	\$2,837,520.66	799,100	0.04%	97.89%
Mar-04	2,240,813,000	2,290,496,569	97.83%	\$3,092,321.94	\$2,883,735.18	883,800	0.04%	97.87%
Apr-04	2,331,090,000	2,380,618,809	97.92%	\$3,218,939.40	\$2,997,199.08	875,000	0.04%	97.96%
May-04	2,600,130,000	2,676,783,908	97.14%	\$3,718,185.90	\$3,370,070.94	1,031,900	0.04%	97.17%
Jun-04	2,721,721,000	2,789,008,356	97.59%	\$3,892,371.69	\$3,511,361.52	1,285,000	0.05%	97.63%
Jul-04	3,133,397,000	3,223,301,033	97.21%	\$4,480,757.71	\$4,058,136.00	4,645,300	0.14%	97.35%
Aug-04	3,007,144,000	3,085,674,758	97.45%	\$4,301,191.02	\$3,884,864.52	1,430,100	0.05%	97.50%
Sep-04	3,009,009,000	3,091,578,157	97.33%	\$4,302,882.87	\$3,892,296.90	1,325,300	0.04%	97.37%
Oct-04	2,514,175,000	2,570,762,145	97.80%	\$3,615,487.65	\$3,236,589.54	947,600	0.04%	97.84%
Nov-04	2,184,341,000	2,240,388,753	97.50%	\$3,123,607.63	\$2,820,649.44	896,100	0.04%	97.54%
Dec-04	2,303,926,000	2,355,411,517	97.81%	\$3,294,614.18	\$2,965,463.10	993,900	0.04%	97.86%
Jan-05	2,343,046,000	2,403,180,116	97.50%	\$3,350,555.78	\$3,119,327.79	1,053,800	0.04%	97.54%
Feb-05	2,062,639,000	2,109,867,797	97.76%	\$2,949,573.77	\$2,738,608.40	1,012,630	0.05%	97.81%
Mar-05	2,262,071,000	2,317,877,242	97.59%	\$3,234,761.53	\$3,008,604.66	2,053,364	0.09%	97.68%
Apr-05	2,290,530,000	2,351,076,764	97.42%	\$3,275,457.90	\$3,051,697.64	3,949,022	0.17%	97.59%
May-05	2,751,156,000	2,826,791,957	97.32%	\$3,383,921.88	\$3,669,175.96	7,991,723	0.28%	97.61%
Jun-05	3,775,195,000	3,884,927,612	97.18%	\$4,645,553.10	\$5,042,636.04	6,563,800	0.17%	97.34%
Jul-05	4,078,909,000	4,145,332,157	98.40%	\$5,017,058.07	\$5,380,641.14	6,773,400	0.16%	98.56%
TOTALS (1)	394,732,030,000	406,459,818,259	97.11%	\$529,559,823.16	\$442,517,137.74	312,760,330	0.08%	97.19%
=====								

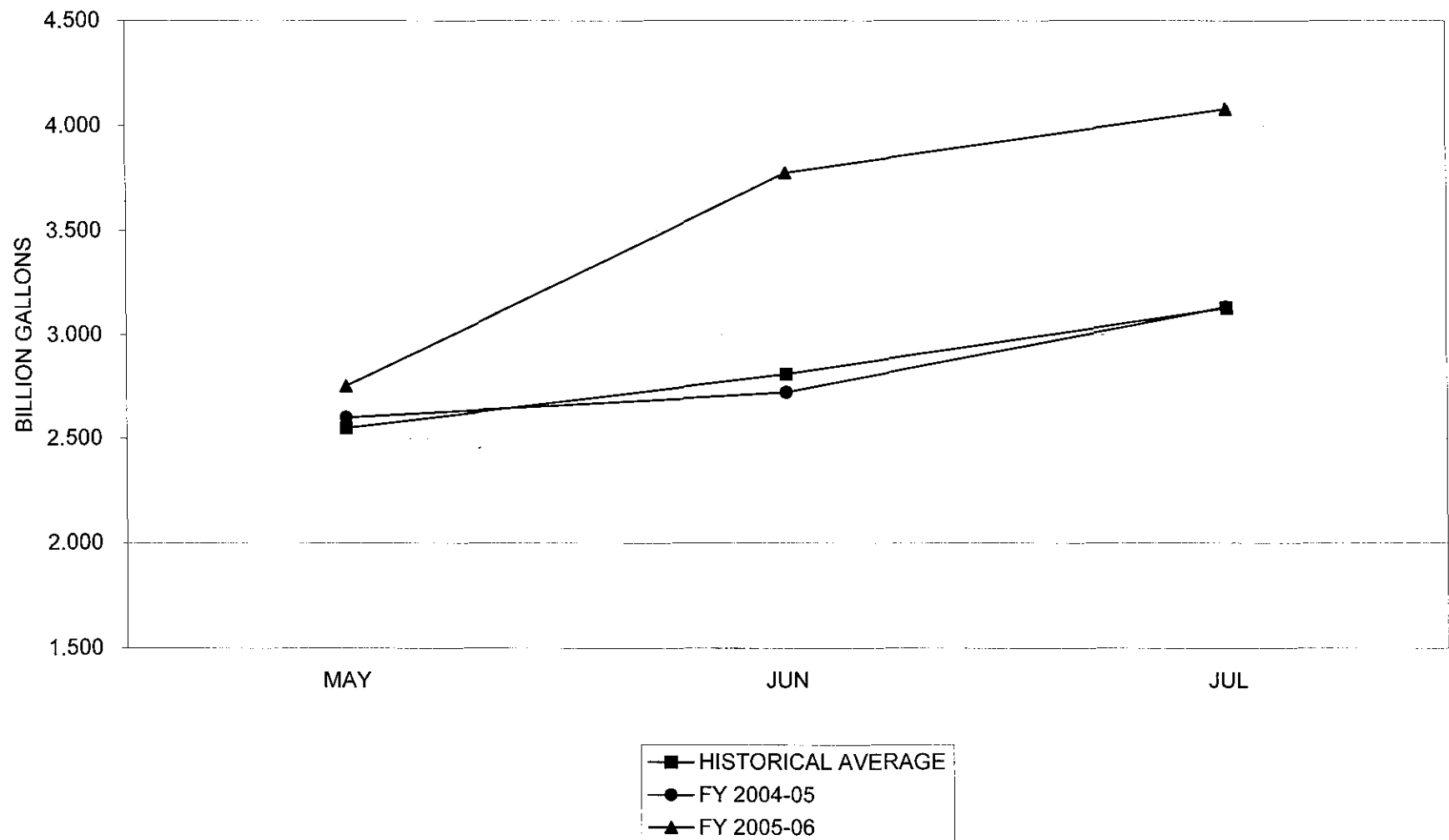
(1) - SINCE MAY 1, 1992

(2) - REPRESENTS DU PAGE PUMP STATION, METER TESTING AND CONSTRUCTION PROJECT USAGE

**DU PAGE WATER COMMISSION SALES
FY 2005-06 VS. ALLOCATION**



**DU PAGE WATER COMMISSION SALES
FY 2005-06 & FY 2004-05 VS. HISTORICAL AVERAGE**



CHANGE ORDER

DUPAGE WATER COMMISSION

SHEET 1 OF 3

PROJECT NAME: Blow-Off Valve Improvements

CHANGE ORDER NO. 17

LOCATION: DuPage County

CONTRACT NO. BOV-1/02

CONTRACTOR: Rossi Contractors, Inc.

DATE: August 02, 2005

I. A. DESCRIPTION OF CHANGES INVOLVED:

1. Unit Price reduction for valves #235 through #239
2. Balancing change order to reflect actual quantities used.

B. REASON FOR CHANGE:

1. Excavation was not required to repair these valves.
2. To reflect actual quantities used.

C. REVISION IN CONTRACT PRICE:

1. -\$110,882.00
2. -\$597,729.04
- \$708,611.04

II. CHANGE ORDER CONDITIONS:

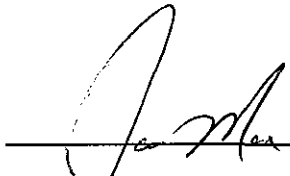
1. The Completion Date established in the Original Contract or as modified by previous Change Orders is hereby extended 0 calendar days, making the final completion date October 24, 2005.
2. Any additional work to be performed under this Change Order shall be carried out in compliance with the specifications included in the preceding Description of Changes Involved, with the Supplemental Contract Drawings designated as Blow Off Valve Improvements, and under the provisions of the Original Contract, including compliance with applicable Equipment Specifications, General Specifications, and Project Specifications for the same type of work.
3. This Change Order unless otherwise provided herein does not relieve the contractor from strict compliance with the guarantee provisions of the Original Contract, particularly those pertaining to performance and operation of equipment.
4. The Contractor expressly agrees he will place under coverage of his Performance and Payment Bonds and Contractor's Insurance all work covered by this Change Order. The Contractor will furnish to the Owner evidence of increased coverage of his Performance and Payment Bonds for the accrued value of all Change Orders, which exceeds the Original Contract Price by twenty percent (20%).

III. ADJUSTMENTS IN CONTRACT PRICE:

1.	Original Contract Price	\$ <u>7,812,435.00</u>
2.	Net change due to all previous Change Orders Nos. 1 through 16	\$ <u>(75,450.97)</u>
3.	Contract Price, not including this Change Order	\$ <u>7,736,984.03</u>
4.	Reduction to Contract Price due to this Change Order	\$ <u>(708,611.04)</u>
5.	Contract Price including this Change Order	\$ <u>7,028,372.99</u>

RECOMMENDED FOR ACCEPTANCE:

PROJECT COORDINATOR:

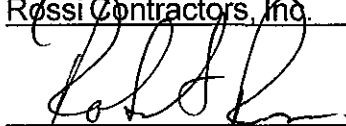
 (8-3-05)
Date

ACCEPTED:

CONTRACTOR:

Rossi Contractors, Inc.

By:


Signature of Authorized
Representative

(8-3-05)
Date

DUPAGE WATER COMMISSION:

By:

Robert L. Martin
General Manager

()
Date

CHANGE ORDER

THE DUPAGE WATER COMMISSION

SHEET 1 OF 3

PROJECT NAME: Inner Belt Transmission Main

CHANGE ORDER NO. 11

LOCATION: Butterfield Road To Prairie Path

CONTRACT NO. TIB-1/03

CONTRACTOR: Rossi Contractors, Inc.

DATE: July 28, 2005

I. A. DESCRIPTION OF CHANGES INVOLVED:

Extend Contract completion date by 81 calendar days from August 29, 2005 to November 18, 2005.

B. REASON FOR CHANGE:

Contractor could not perform work on Frontage Road until the relocation of 8-inch petroleum pipeline was completed by British Petroleum (Amoco) pipeline contractor.

C. REVISION IN PRICE:

NONE

II. CHANGE ORDER CONDITIONS:

1. The Contract completion date established in the Original Contract or as modified by previous Change Orders is hereby extended by 81 calendar days, making the final completion date **November 18, 2005**.
2. Any additional work to be performed under this Change Order shall be carried out in compliance with the specifications included in the preceding Description of Changes Involved, with the Contract Drawings designated as Inner Belt Transmission Main, and under the provisions of the Original Contract, including compliance with applicable Equipment Specifications, General Specifications, and Project Specifications for the same type of work.
3. This Change Order unless otherwise provided herein does not relieve the contractor from strict compliance with the guarantee provisions of the Original Contract, particularly those pertaining to performance and operation of equipment.
4. The Contractor expressly agrees he will place under coverage of his Performance and Payment Bonds and Contractor's Insurance all work covered by this Change Order. The Contractor will furnish to the Owner evidence of increased coverage of his Performance and Payment Bonds for the accrued value of all Change Orders which exceeds the Original Contract Price by twenty percent (20%).

CHANGE ORDER NO. 10

III. ADJUSTMENTS IN AMOUNT OF CONTRACT:

1.	Amount of Original Contract	<u>\$12,730,597.31</u>
2.	Net change due to previous Change Order Nos. 1 to 10	<u>\$ 3,246,534.70</u>
3.	Amount of Contract, not including this Change Order	<u>\$15,977,132.01</u>
4.	Addition to Contract due to this Change Order	<u>\$0.00</u>
5.	Amount of Contract including this Change Order	<u>\$15,977,132.01</u>

RECOMMENDED FOR ACCEPTANCE:

CONSULTING ENGINEERS: Alvord, Burdick & Howson, L.L.C.

By: F. Berezin (8-03-05)
Signature of Authorized Date
Representative

ACCEPTED:

CONTRACTOR: Ross Contractors, Inc.

By: [Signature] (8-3-05)
Signature of Authorized Date
Representative

DUPAGE WATER COMMISSION:

By: _____ ()
Robert L. Martin Date
General Manager

CHANGE ORDER

THE DUPAGE WATER COMMISSION

SHEET 1 OF 3

PROJECT NAME: Inner Belt Transmission Main

CHANGE ORDER NO. 12

LOCATION: Butterfield Road To Prairie Path

CONTRACT NO. TIB-1/03

CONTRACTOR: Rossi Contractors, Inc.

DATE: July 28, 2005

I. A. DESCRIPTION OF CHANGES INVOLVED:

Additional items of work for restoration of bituminous pavement in Villa Park from approximate Station 58+50 to Station 79+50 per agreement between the Commission and the Village of Villa park.

B. REASON FOR CHANGE:

The existing pavement between the aforementioned Stations was planned to be removed and replaced. However, the 72" pipe was installed by tunnel method instead of open cut between these Stations. Therefore, per agreement between the Commission and the Village of Villa Park, now the pavement would be ground and overlaid with bituminous material instead of full depth replacement.

C. REVISION IN PRICE:

ADDITION:

1. Grind Bit. Pavt. 3-4"	5800 SY @ \$5.90/SY	\$34,220.00
2. Bit. Surface Course, 2" Superpave Mix	5800 SY @ \$8.25/SY	\$47,850.00
3. Leveling Binder	500 Tons @ \$75.00/Ton	\$37,500.00

DEDUCTION:

1. Item 19, Asphalt Pavt. Remove & Replace	3000 SY @ \$37.45/SY	\$112,350.00
2. Item 22, 1-1/2" Grind & Overlay	650 SY @ \$20.33/SY	<u>\$13,124.50</u>

TOTAL (\$5,904.50)

CHANGE ORDER NO. 10

II. CHANGE ORDER CONDITIONS:

1. The Contract completion date established in the Original Contract or as modified by previous Change Orders is hereby extended by 81 calendar days, making the final completion date **November 18, 2005**.
2. Any additional work to be performed under this Change Order shall be carried out in compliance with the specifications included in the preceding Description of Changes Involved, with the Contract Drawings designated as Inner Belt Transmission Main, and under the provisions of the Original Contract, including compliance with applicable Equipment Specifications, General Specifications, and Project Specifications for the same type of work.
3. This Change Order unless otherwise provided herein does not relieve the contractor from strict compliance with the guarantee provisions of the Original Contract, particularly those pertaining to performance and operation of equipment.
4. The Contractor expressly agrees he will place under coverage of his Performance and Payment Bonds and Contractor's Insurance all work covered by this Change Order. The Contractor will furnish to the Owner evidence of increased coverage of his Performance and Payment Bonds for the accrued value of all Change Orders which exceeds the Original Contract Price by twenty percent (20%).

CHANGE ORDER NO. 10

III. ADJUSTMENTS IN AMOUNT OF CONTRACT:

1.	Amount of Original Contract	<u>\$12,730,597.31</u>
2.	Net change due to previous Change Order Nos. 1 to 11	<u>\$ 3,246,534.70</u>
3.	Amount of Contract, not including this Change Order	<u>\$15,977,132.01</u>
4.	Deduction to Contract due to this Change Order	<u>(\$5,904.50)</u>
5.	Amount of Contract including this Change Order	<u>\$15,971,227.51</u>

RECOMMENDED FOR ACCEPTANCE:

CONSULTING ENGINEERS: Alvord, Burdick & Howson, L.L.C.

By: F. Berezin (8-03-05)
Signature of Authorized Representative Date

ACCEPTED:

CONTRACTOR: Rossi Contractors, Inc.

By: [Signature] (8-3-05)
Signature of Authorized Representative Date

DUPAGE WATER COMMISSION:

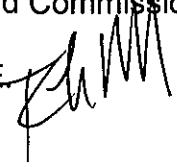
By: _____ ()
Robert L. Martin Date
General Manager



DuPage Water Commission

MEMORANDUM

TO: Chairman Vondra and Commissioners

FROM: Robert L. Martin, P.E. 
General Manager

DATE: August 4, 2005

SUBJECT: Contract BOV-2

Background

The Commission's distribution system consists of approximately 170 miles of pipeline ranging in size from 12-inches to 90-inches in diameter. Each pipeline has isolation valves located approximately one mile apart. Along each pipeline there are air release valves (ARVs) located at the high points of the main. The function of these valves is to release accumulated air in the main that would restrict the flow of water in the pipeline.

Located at the low points of the main there are blow off valves (BOVs) (See drawing entitled Details of Present Blow-Off Taken from Drawings of Record). The function of these BOVs is to drain a section of the pipe in the event a repair of the main is needed.

During the initial five years of operation, the Commission experienced 8 leaking blow off valves due to corrosion of bolts on the valve bonnet. The Commission felt at that time it would be better to take a reactive approach and repair the BOVs only when they leaked. Because the leaking BOVs became more frequent, the pipe on occasion was damaged as a result of the abrasion of the pipe bedding material, and the leaking BOVs were causing inconvenience, the Commission changed its position and budgeted a program to repair all the BOVs in the initial system with the exception of the 90" Transmission Main. It is my understanding that the BOVs on the 90" Transmission Main were excluded from this program because of their depth and their location in non-member communities.

Contract BOV-1

The repair of the initial BOVs was performed under Contract BOV-1. This project included excavation of the valves, the replacement of the steel bolts (items 1, 6

and 9 on the attached drawing¹) with stainless steel bolts, the installation of sacrificial anodes and the direct burial of the valves. Contract BOV-1 included the repair of 341 valves and the retirement of one BOV because of the excessive depth of the valve.

The preparation of the contract documents and limited construction services was performed by Alvord, Burdick & Howson under Work Task Order No. 9 as subsequently amended for a total amount of \$1,249,600.00. Commission staff provided the bulk of construction services, including all construction inspection, for this project. The final construction cost for this project was \$7,028,372.99, for an average cost of \$20,600 per valve.

Contract BOV-2

Initially, staff recommended that the 90" Transmission Main BOVs be repaired under a change order for Contract BOV-1, at a negotiated cost of \$1,594,200 or average cost of \$56,900 per valve. The Board instead felt that the work should be performed under a separate contract. As a result, Alvord, Burdick & Howson Work Task Order No. 19, in the amount of \$240,200 was approved, for the preparation of the BOV-2 contract documents. The Board also directed that the project be designed with an alternate to add the enclosure of the BOVs within valve vaults.

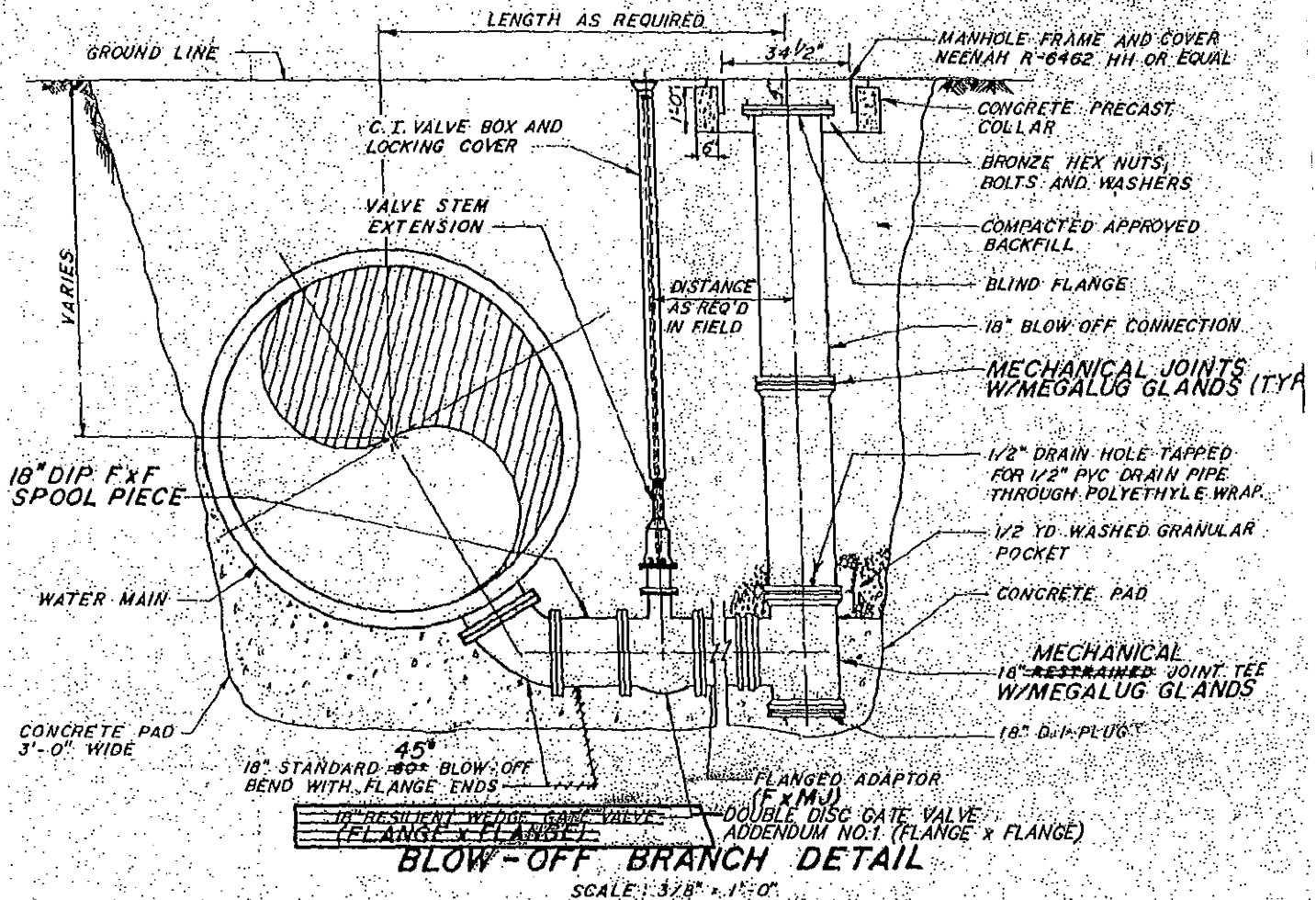
The installation of valve vaults will add additional cost to this project. The contract documents have been set up to obtain a cost for both options; the repair of the BOVs similar to Contract BOV-1 and the repair of the BOVs with the additional installation of valve vaults (see drawing entitled Blow-Off Valve in manhole).

A question was raised at the last Commission meeting whether the BOVs are necessary. It is staff's opinion that they are needed in the event the 90" Transmission Main needs to be repaired.

Valves are located approximately one mile apart. A one mile section of 90" Transmission Main would contain 1.7 million gallons of water. Typically, there are a couple of BOVs located between valves. The BOVs are necessary for the timely removal of water so that the main can be repaired.

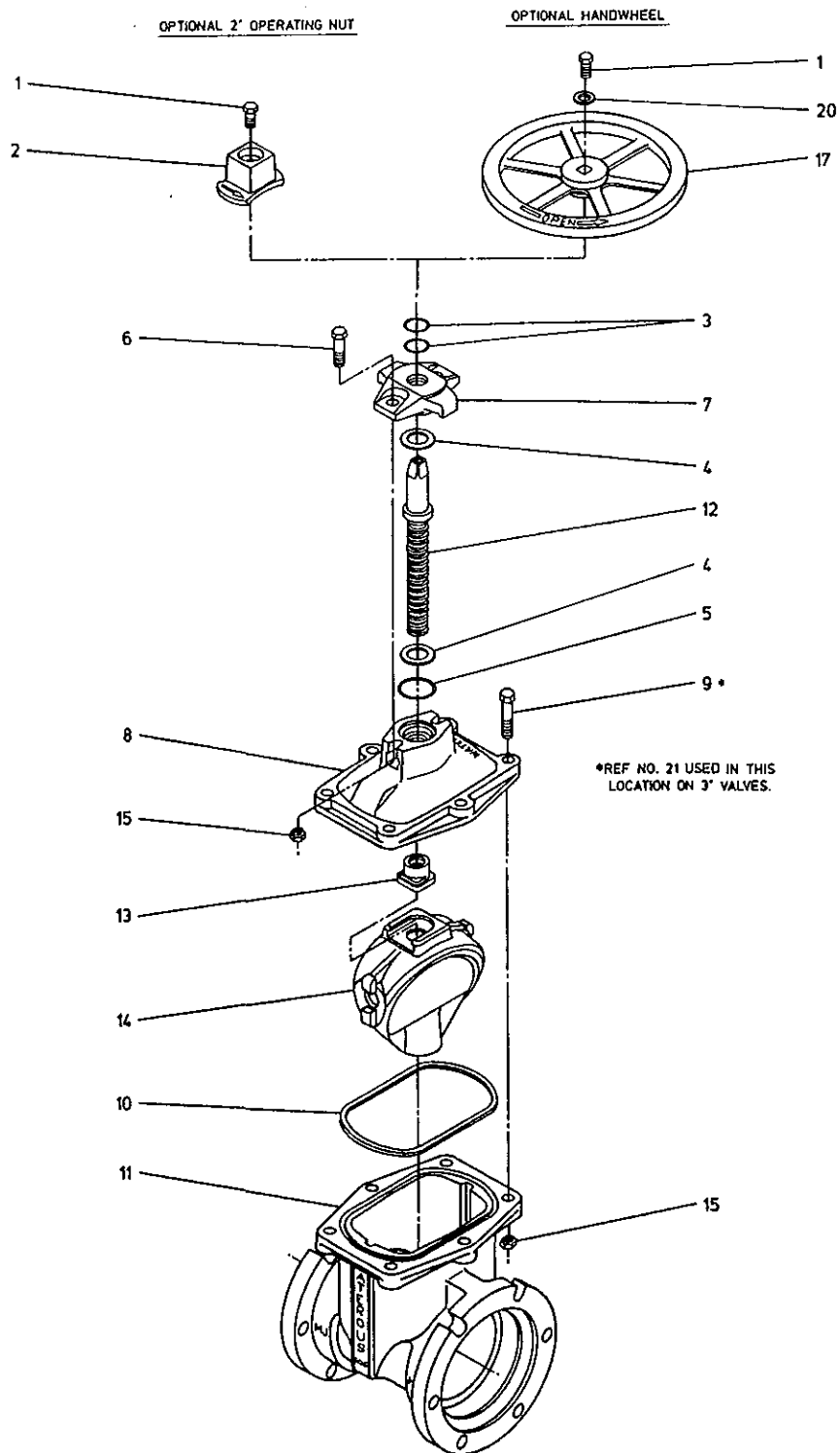
Construction/BOV-2/Memo to Board 050804.doc

¹ Please note that the valves are operated by a 2" operating nut rather than the optional handwell.

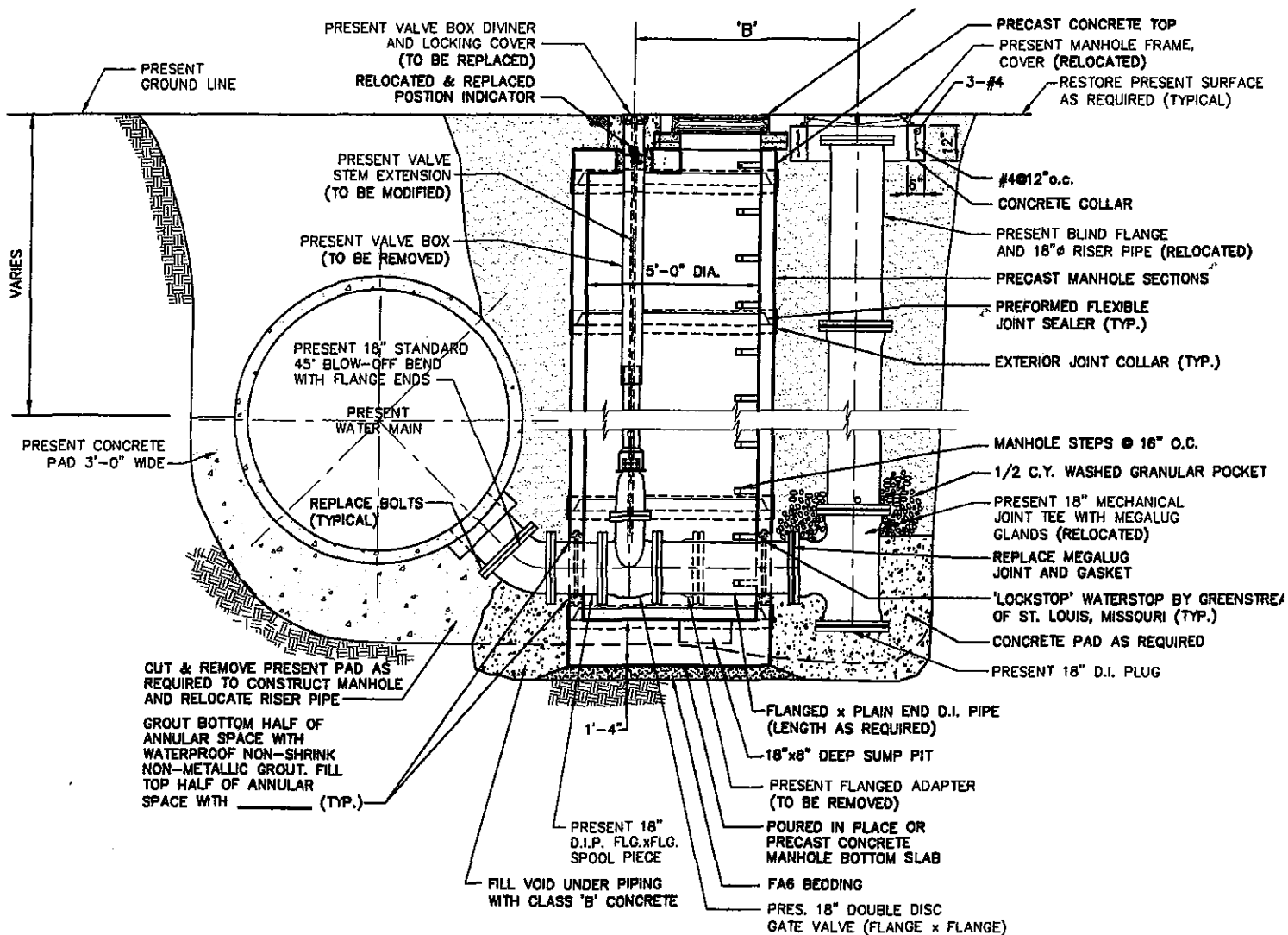


NOTES: ALL BURIED METAL SURFACES OF BLOW-OFF BRANCHES TO BE ENCASED IN TWO INDIVIDUAL LAYERS OF POLYETHYLENE WRAP.

DETAILS OF PRESENT BLOW-OFF TAKEN FROM DRAWINGS OF RECORD



SERIES 500 NRS RESILIENT WEDGE VALVE
 3" THRU 8" AWWA
 PLATE 90-1-9-2
 WATEROUS COMPANY
 SOUTH ST. PAUL, MN 55075
 PAGE 2 OF 2



BLOW-OFF VALVE IN MANHOLE

SCALE: 0 1 2 4 6 FT.






DuPage Water Commission

MEMORANDUM

TO: Engineering Committee

COPY: Robert Martin
General Manager

FROM: Terry McGhee 
Operations Supervisor

DATE: August 4, 2005

SUBJECT: Alvord, Burdick & Howson
Master Engineering Agreement

Attached is the Alvord, Burdick & Howson, Master Engineering Agreement breakdown that was requested at the July 14, 2005 Engineering Committee meeting.

Alvord Burdick Howson
Master Engineering Agreement


Task Order	Description	Date Authorized	Resolution #	Basic Services Amount	Design Services Amount	Construction Services Amount	Outside Support Services Amount	Total Amount	Total Amount	Total Spent
1	Bellwood Emergency Interconnection	04/13/00	Resolution R-30-00	\$0.00	\$28,000.00	\$5,000.00	\$8,000.00	\$41,000.00	\$41,000.00	\$18,707.33
2	Schaumburg Emergency Interconnection	04/13/00	Resolution R-30-00	\$0.00	\$136,000.00	\$74,000.00	\$7,000.00	\$217,000.00		
2a	Schaumburg Emergency Interconnection	05/10/01	Resolution R-29-01	\$0.00	\$178,941.00	\$74,000.00	\$0.00	\$252,941.00		
2b	Schaumburg Emergency Interconnection	08/08/02	Resolution R-31-02	\$0.00	\$188,941.00	\$74,000.00	\$3,413.17	\$266,354.17	\$266,354.17	\$259,300.21
3	GPS Utility Surveying	08/10/00	Resolution R-44-00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
4	Naperville Meter/Pressure Adjusting Station	09/14/00	Resolution R-44-00	\$0.00	\$78,000.00	\$26,000.00	\$20,000.00	\$124,000.00		
4a	Naperville Meter/Pressure Adjusting Station	07/21/01	Resolution R-37-01	\$0.00	\$134,000.00	\$26,000.00	\$3,607.59	\$163,607.59	\$163,607.59	\$163,607.59
5	Annual Report Map	09/14/00	Resolution R-44-00	\$600.00	\$0.00	\$0.00	\$0.00	\$600.00	\$600.00	\$519.10
5a	Annual Report Map	01/01/03	Resolution R-02-03	\$1,000.00	\$0.00	\$0.00	\$0.00	\$1,000.00	\$1,000.00	\$996.46
6	Ozonation & Reservoir @ DPS	10/12/00	Resolution R-61-00	\$0.00	\$310,000.00	\$0.00	\$19,000.00	\$329,000.00	\$329,000.00	\$178,281.27
7	Chicago Regional Committee on Underground Corrosion	11/14/00	Resolution R-69-00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
8	CRCUC	04/30/01	Resolution R-16-01	\$3,000.00	\$0.00	\$0.00	\$0.00	\$3,000.00	\$3,000.00	\$1,269.03
8a	CRCUC	04/11/02	Resolution R-16-02	\$3,000.00	\$0.00	\$0.00	\$0.00	\$3,000.00	\$3,000.00	\$1,341.57
8b	CRCUC	04/10/03	Resolution R-12-03	\$3,000.00	\$0.00	\$0.00	\$0.00	\$3,000.00	\$3,000.00	\$2,397.40
9	Blow-Off Valve Improvements	09/13/01	Resolution R-50-01	\$0.00	\$194,000.00	\$0.00	\$796,000.00	\$990,000.00		
9a	Blow-Off Valve Improvements	03/14/02	Resolution R-11-02	\$0.00	\$194,000.00	\$99,600.00	\$956,000.00	\$1,249,600.00		
9b	Blow-Off Valve Improvements	03/14/02	Resolution R-24-02	\$0.00	\$202,000.00	\$99,600.00	\$948,000.00	\$1,249,600.00	\$1,249,600.00	\$481,297.47
10	GIS Utility System Mapping	02/14/02	Resolution R-17-02	\$36,268.00	\$0.00	\$0.00	\$4,000.00	\$40,268.00	\$40,268.00	\$28,686.82
11	TIB-1	06/13/02	Resolution R-25-02	\$0.00	\$452,000.00	\$0.00	\$99,000.00	\$551,000.00		
11a	TIB-1	10/09/03	Resolution R-40-03	\$0.00	\$452,000.00	\$1,042,000.00	\$440,000.00	\$1,934,000.00	\$1,934,000.00	\$1,360,397.54
12	Cost benefit Analysis TW-3	01/09/03	Tabled	\$30,000.00	\$0.00	\$0.00	\$0.00	\$30,000.00		
12a	Cost benefit Analysis TW-3	06/12/03	Resolution R-18-03	\$50,000.00	\$0.00	\$0.00	\$0.00	\$50,000.00	\$50,000.00	\$50,000.00
13	Kane County Utilities	03/12/03	Tabled	\$34,000.00	\$0.00	\$0.00	\$22,000.00	\$56,000.00		
14	Engineering Assistance	04/10/03	Resolution R-13-03	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00		
14a	Engineering Assistance CIP 2003-2004	04/02/04	N/A	\$5,000.00	\$0.00	\$0.00	\$0.00	\$5,000.00	\$5,000.00	\$4,530.37
14b	Engineering Assistance CIP 2004-2005	04/02/04	N/A	\$5,000.00	\$0.00	\$0.00	\$0.00	\$5,000.00	\$5,000.00	\$1,268.93
14c	Engineering Assistance "C" Factor Presentation	03/01/04	N/A	\$5,000.00	\$0.00	\$0.00	\$0.00	\$5,000.00	\$5,000.00	\$4,032.00
14d	Engineering Assistance Highland Ave. Water Main	04/01/04	N/A	\$5,000.00	\$0.00	\$0.00	\$0.00	\$5,000.00	\$5,000.00	\$4,857.64
15	TW-3	06/12/03	Resolution R-24-03	\$0.00	\$1,279,000.00	\$1,887,000.00	\$787,000.00	\$3,953,000.00	\$3,953,000.00	\$1,010,315.24
16	Drawings of Record	11/14/03	Resolution R-46-03	\$5,000.00	\$0.00	\$0.00	\$0.00	\$5,000.00	\$5,000.00	\$4,948.37
16a	Drawings of Record Tank #1	02/14/04	Resolution R-04-04	\$15,000.00	\$0.00	\$0.00	\$0.00	\$15,000.00	\$15,000.00	\$7,325.50
17	GPS Record Update	12/11/03	Resolution R-51-03	\$238,000.00	\$0.00	\$0.00	\$0.00	\$238,000.00		
17a	GPS Record Update	07/14/05	Resolution R-46-05	\$263,000.00	\$0.00	\$0.00	\$0.00	\$263,000.00	\$263,000.00	\$237,938.43
18	Hydraulic model Verification	05/14/04	Resolution R-26-04	\$52,400.00	\$0.00	\$0.00	\$0.00	\$52,400.00		
18a	Hydraulic model Verification	07/14/05	Resolution R-45-05	\$72,400.00	\$0.00	\$0.00	\$0.00	\$72,400.00	\$72,400.00	\$52,381.72
19	Blow-Off Valve Improvements 90"	08/13/04	Resolution R-44-04	\$0.00	\$240,200.00	\$0.00	\$0.00	\$240,200.00	\$240,200.00	\$240,200.00
19a	Blow-Off Valve Improvements 90"	Tabled	Resolution R-44-05	\$0.00	\$255,600.00	\$54,000.00	\$88,500.00	\$398,100.00		
20	Darien Storm Sewer Relocation	08/13/04	Resolution R-44-04	\$0.00	\$12,200.00	\$800.00	\$0.00	\$13,000.00		
20a	Darien Storm Sewer Relocation	10/14/04	Resolution R-60-04	\$0.00	\$15,400.00	\$1,300.00	\$0.00	\$16,700.00	\$16,700.00	
21	TW-2 Stray Current	07/15/05	Resolution R-38-05	\$0.00	\$20,000.00	\$0.00	\$0.00	\$20,000.00	\$20,000.00	
Totals									\$8,689,729.76	\$4,114,599.99



DuPage Water Commission

MEMORANDUM

TO: Robert Martin
General Manager

FROM: Terry McGhee 
Operations Supervisor

DATE: August 4, 2005

SUBJECT: Lexington Power Failure

On August 3, 2005 at 05:40 the Lexington Pump Station experienced a loss of utility power which caused three of the four pumps that were running to trip. The operator on duty called ComEd to find out what caused the loss of power and was told that they were adding "K-Banks" (supplemental power sources) due to the high electrical demands. The Lexington operators restarted the pumps and returned to normal operations. At 06:40 the Lexington Pump Station experienced another loss of utility power, and this time all four of the pumps that were running tripped. The Lexington operators attempted to restart the pumps but due to ripples in the incoming power all attempts failed. The Lexington staff finally restarted the pumps at 07:00, at which time they called ComEd again and were told that they were adding additional K-Banks to meet the increasing electrical demand.

The Lexington Pump Station has in the past experienced this same problem and informed ComEd that they need to be notified prior to any work which may cause an interruption in their incoming power. ComEd failed to notify anyone at the Lexington Pump Station that they would be adding these K-Banks, which in turn would cause a problem with their incoming power supply.

When a pump at the Lexington Pump Station trips it causes a pressure surge in the transmission mains as well as at the pump station. When multiple pumps trip at the same time the magnitude of the pressure surge is greatly increased. These large pressure surges can cause serious damage to the Lexington Pump Station as well as the transmission mains feeding the DuPage Water Commission.

The DuPage Water Commission receives the majority of its water from the Lexington Pump Station during the electrical non-demand time period (18:00 to 09:00) to avoid paying higher demand period rates. During this time of extremely high water demands it is essential that the Lexington Pump Station remain fully functional so that the Commission can continue to provide our customer the service that they expect at the lowest cost possible.