



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 OCTOBER 2004 ENGINEERING COMMITTEE MEETING OF THE DUPAGE WATER COMMISSION WILL BE HELD AT 9:30 A.M. ON THURSDAY, OCTOBER 14, 2004, AT ITS OFFICES LISTED BELOW. THE AGENDA FOR THE RESCHEDULED OCTOBER 2004 REGULAR COMMITTEE MEETING IS AS FOLLOWS:

AGENDA

**ENGINEERING COMMITTEE
THURSDAY, OCTOBER 14, 2004
9:30 A.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 August 12, 2004
- III. Report of Status of Construction/Operations
- IV. Partial Pay Request
 - Progress Payment No. 6: Contract TIB-1 (Inner Belt Transmission Main)
- V. Final Pay Request
 - Progress Payment No. 38: Contract TW-2 (West Transmission Main)
- VI. Resolution R-54-04: A Resolution Approving and Ratifying Certain Contract Change Orders at the October 14, 2004, DuPage Water Commission Meeting
- VII. Resolution R-56-04: A Resolution Directing Advertisement for Bids on a Contract for the Construction of South Transmission Main Relocation – Plainfield Road
- VIII. Resolution R-60-04: A Resolution Approving a First Amendment to Task Order No. 20 Under the Master Engineering Agreement with Alvord, Burdick & Howson, L.L.C.

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.

- IX. Resolution No. R-63-04: A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Electrical Contract QRE-1/02 at the October 14, 2004, DuPage Water Commission Meeting
- X. Contract TIB-1 Hydraulic Analysis
- XI. Other
- XII. Adjournment

**MINUTES OF A MEETING OF THE
ENGINEERING & CONSTRUCTION COMMITTEE
OF THE DuPAGE WATER COMMISSION
HELD ON AUGUST 12, 2004
600 EAST BUTTERFIELD ROAD
ELMHURST, ILLINOIS**

The meeting was called to order at 8:32 A.M.

Committee members in attendance: R. Benson, R. Ferraro, and G. Wilcox

Committee members absent: W. Mueller

Also in attendance: E. Kazmierczak, T. McGhee and W. Green (AB&H)

Commissioner Ferraro moved that the Minutes of the July 8, 2004 Engineering Committee be approved. Motion seconded by Commissioner Benson and passed unanimously as follows:

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

The Committee reviewed the memorandum regarding the Status of Operations dated July 2, 2004.

Commissioner Benson moved to recommend to the Commission approval of the following progress payments in the amount of \$1,611,210.82 as part of the Accounts Payable, subject to submission of all contractually required documentation during the Omnibus Vote Agenda:

- A. Progress Payment No. 24 Contract BOV-1 (Blow Off Valve Repair) in the amount of \$97,574.80
- B. Progress Payment No. 4 Contract TIB-1 (Inner Belt Transmission Main) in the amount of \$1,255,398.01
- C. Progress Payment No. 37 Contract TW-2 (West Transmission Main) in the amount of \$126,805.31
- D. Quick Response Contract
 - 1. R6-005A (Installation of Cathodic Protection Station – Westmont) in the amount of \$8,304.23

Minutes 8/12/04 Engineering Meeting

2. QR6-007A (Water Main Repair - 897 North President St., Carol Stream) in the amount of \$68,622.48
3. QR6-007B (Water Main Repair - 897 North President St., Carol Stream) in the amount of \$6,727.91
4. QR6-008A (CP Station Installation – Plainfield Road @ Crest Ave., Darien) in the amount of \$26,147.92
5. QR6-008B (CP Station Installation – Plainfield Road @ Naper Blvd., Naperville) in the amount of \$12,462.06
6. QR6-009A (8" Blow Off Valve Repair - Naperville) in the amount of \$9,167.80

Motion seconded by Commissioner Ferraro and passed unanimously as follows:

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

Commissioner Benson moved to recommend to the Commission approval of Resolution R-40-04: A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Electrical Contract QRE – 1/02 at the August 12, 2004 DuPage Water Commission Meeting. Motion seconded by Commissioner Ferraro and passed unanimously as follows:

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

Commissioner Ferraro moved to recommend to the Commission approval of Resolution R-41-04: A Resolution Approving and Authorizing the Execution of an Eighth Amendment to the Amended and Restated Agreement for Engineering Services at the August 12, 2004 DuPage Water Commission Meeting. Motion seconded by Commissioner Benson and passed unanimously as follows:

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

Commissioner Ferraro moved to recommend to the Commission approval of Resolution R-43-04: A Resolution Approving and Ratifying Certain Work Authorization Orders Under Quick Response Contract QR-6/02 at the August 12, 2004 DuPage Water

Minutes 8/12/04 Engineering Meeting

Commission Meeting. Motion seconded by Commissioner Benson and passed unanimously as follows:

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

Commissioner Benson moved to recommend to the Commission approval of Resolution R-44-04: A Resolution Approving and Ratifying Certain Task Orders Under a Master Engineering Agreement with Alvord Burdick & Howson L.L.C. at the August 12, 2004 DuPage Water Commission Meeting. Motion seconded by Commissioner Ferraro and passed unanimously as follows:

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

Commissioner Ferraro moved to recommend to the Commission approval of Resolution R-45-04: A Resolution Approving and Ratifying Certain Contract Change Orders at the August 12, 2004 DuPage Water Commission Meeting. Motion seconded by Commissioner Benson and passed unanimously as follows:

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

The Committee discussed the lack of progress in the restoration of St. Charles Road associated with Contract TW-2. Commissioner Wilcox stated that no work has been performed for months and that the County Highway Dept. is ready to start the restoration work and back charge the Commission if this work is not completed by the end of the week. Commissioners Ferraro and Benson both agreed that if Rossi Contractors does not complete the work to our satisfaction in the required time frame, Rossi Contractors should be penalized or possibly removed from any bidders list for future work.

Commissioner Benson moved to adjourn the meeting at 8:55 A.M. Motion seconded by Commissioner Ferraro and unanimously approved by voice vote.

All voted aye. Motion carried



DuPage Water Commission

MEMORANDUM

TO: Engineering Committee

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

DATE: October 8, 2004

SUBJECT: Status of Operations

Operations Overview

The Commission's sales for the month of September were a total of 3.009 billion gallons. This represents an average day of 100.3 million gallons per day (MGD), which is higher than the September 2003 average day demand of 92.6 MGD. The maximum day demand was 111.1 million gallons (September 24, 2004), which is higher than the September 2003 maximum day of 110.2 million gallons. The minimum day flow was 90.2 million gallons. The Commission recorded a total precipitation for the month of September of 0.2 inches compared to 2.10 inches for September 2003.

Operations Construction Overview

Contract PSD-6 Reservoir Addition

Consoer Townsend Envirodyne (CTE) is in the design phase of the project. Staff has completed its review the 90% design plans and specifications, and comments are being assembled for delivery to CTE. Completion of the design will exceed the scheduled due date of September 18, 2004 due to extended reviews of the design by staff. The completion will most likely be in November.

Contract PSD-7 DPPS Electrical Generation

Camp Dresser McKee (CDM) is in the design phase of the project. Staff is working with CDM on a proposed evaluated bid as part of the final design requirements. The design period is 32 weeks with a completion expected December 24, 2004. CDM expects to deliver the 30% design documents by the end of September.

Remote Pipe Storage Facility

CTE has completed all revisions to the 100% complete drawings and specifications as requested by DWC staff. Legal is reviewing the contract documents and the request to bid is scheduled for the November board meeting.

Pipeline Construction Overview**CONTRACT TW-2/00 WEST TRANSMISSION MAIN**

Contractor is submitting documentation required under the contract for project acceptance and close out. A Contract Balancing Change Order appears on the agenda as Resolution R-54-04.

Lost Time Accidents to Date 10/08/04 0 Days

CONTRACT TSW-3/98 SOUTHWEST TRANSMISSION MAIN

Minor restoration and miscellaneous electrical work at the Butterfield and Winfield Road ROV are all that remain to be completed under this contract.

Lost Time Accidents to Date 10/08/04 0 Days

CONTRACT BOV-1/02 BLOW-OFF VALVE IMPROVEMENTS

All work sites have been restored. The abandonment of one valve is all that remains to be completed under this contract.

Lost Time Accidents to Date 10/08/04 0 Days

CONTRACT TIB-1/03 INNER BELT TRANSMISSION MAIN

Pipe placement inside of the rock tunnel is nearing completion. Open cut pipe installation along Dorchester Ave has progressed approximately 2100 feet. West Shore Pipeline has completed their relocation work south of Riverside Drive. A meeting was held on October 6 with representatives of BP Amoco to discuss various progress and coordination issues. Shop testing of the 72" valve was successfully completed last month.

Lost Time Accidents To Date 10/08/04 0 Days

CONTRACT QR-6

Installation of CP test stations necessary to continue with the prosecution of the work under Contract CP-3 is continuing. The repair and installation of anode groundbeds made necessary as a result of the second phase of TS-5 corrosion monitoring has begun.

Lost Time Accidents to Date 10/08/04 0 Days

CONTRACT CP-3 CORROSION IDENTIFICATION AND ASSESSEMENT

Cathodic Protection Management is continuing with the collection of field data required for the purpose of identifying and reporting on corrosion potentials of Commission pipelines. A contract time extension appears on the agenda as Resolution R-54-04.

Lost Time Accidents to Date 10/08/04 0 Days

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

AB&H is continuing with project design.

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

Resolutions related to work under this contract appear on the agenda as Resolution R-56-04, and R-60-04. R-56-04 directs advertisement for bids on a contract for the construction of the South Transmission Main Relocation—Plainfield Road. Resolution R-60-04 approves the first amendment to Task Order No.20 under the Master Agreement with Alvord Burdick & Howson for additional design and construction services.

The following are attachments to this memorandum:

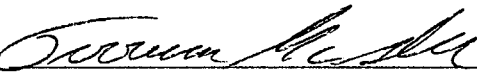
1. DuPage Laboratory Bench Sheet for September, 2004

DUPAGE WATER COMMISSION LABORATORY BENCH SHEET
MONTHLY REPORT FOR SEPTEMBER 2004

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	0.68	0.10	0.51	0.78	0.08	70	7.4	1.0	0.48	0	JV
2	0.64	0.10	0.51	0.81	0.08	71	7.4	1.0	0.48	0	JV
3	0.67	0.09	0.49	0.81	0.08	70	7.4	1.0	0.47	0	KD
4	0.70	0.09	0.52	0.80	0.08	72	7.4	1.0	0.47	0	KD
5	0.68	0.11	0.53	0.79	0.08	72	7.4	1.0	0.50	0	KD
6	0.67	0.10	0.52	0.77	0.09	71	7.4	0.9	0.51	0	KD
7	0.66	0.10	0.51	0.84	0.09	73	7.4	0.9	0.49	0	JV
8	0.69	0.10	0.51	0.79	0.07	71	7.4	0.9	0.50	0	JV
9	0.65	0.12	0.51	0.78	0.10	71	7.4	1.1	0.50	0	JV
10	0.71	0.08	0.48	0.77	0.07	71	7.4	1.1	0.50	0	JV
11	0.68	0.08	0.49	0.75	0.07	73	7.4	1.1	0.48	0	KD
12	0.68	0.08	0.52	0.79	0.07	72	7.4	1.0	0.48	0	KD
13	0.69	0.09	0.53	0.78	0.10	72	7.4	1.0	0.50	0	KD
14	0.64	0.10	0.53	0.74	0.09	72	7.4	1.0	0.50	0	KD
15	0.68	0.11	0.51	0.80	0.09	71	7.4	0.9	0.49	0	JV
16	0.70	0.12	0.54	0.81	0.09	72	7.4	1.0	0.47	0	JV
17	0.70	0.10	0.51	0.81	0.08	72	7.4	0.9	0.50	0	JV
18	0.69	0.11	0.51	0.82	0.08	72	7.4	1.1	0.50	0	JV
19	0.67	0.11	0.53	0.82	0.10	71	7.4	1.0	0.52	0	MB
20	0.65	0.10	0.51	0.84	0.09	71	7.4	1.0	0.52	0	MB
21	0.69	0.10	0.54	0.79	0.07	71	7.4	1.0	0.49	0	MB
22	0.65	0.12	0.49	0.84	0.07	71	7.4	1.1	0.51	0	MB
23	0.70	0.08	0.49	0.81	0.07	71	7.4	1.1	0.50	0	LS
24	0.67	0.10	0.51	0.81	0.07	70	7.4	1.1	0.49	0	LS
25	0.68	0.10	0.52	0.82	0.08	70	7.4	0.9	0.49	0	LS
26	0.71	0.10	0.54	0.79	0.09	70	7.4	1.0	0.51	0	LS
27	0.70	0.10	0.54	0.79	0.07	70	7.4	1.0	0.47	0	MB
28	0.67	0.10	0.54	0.79	0.07	70	7.4	1.0	0.48	0	MB
29	0.69	0.08	0.54	0.80	0.07	70	7.4	1.0	0.49	0	MB
30	0.71	0.09	0.54	0.83	0.08	70	7.4	1.0	0.50	0	MB
31											
AVG	0.68	0.10	0.52	0.80	0.08	71	7.4	1.0	0.49	0	
MAX	0.71	0.12	0.54	0.84	0.10	73	7.4	1.1	0.52	0	
MIN	0.64	0.08	0.48	0.74	0.07	70	7.4	0.9	0.47	0	



Terrance McGhee
Operations Supervisor



Robert L. Martin
General Manager

WEST TRANSMISSION MAIN

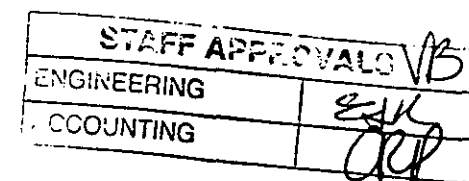
(TIB-1)

DATE 09/27/04

ROSSI CONTRACTORS
201 WEST LAKE STREET
NORTHLAKE, ILLINOIS 60164

ACCOUNT # AMOUNT
WF-7590 \$1,083,027.26
WF-3520 (\$108,302.73)
WF-3530 (\$2,780.00)

#	ITEM	ORIGINAL CONTRACT QUANTITY	UNIT	UNIT PRICE	ORIGINAL CONTRACT PRICE	AMENDED CONTRACT QUANTITY	AMENDED CONTRACT PRICE	CURRENT QUANTITY	TO DATE EXTENSION	PREVIOUS QUANTITY	PAYMENT EXTENSION	THIS QUANTITY	PAYMENT EXTENSION	CONTRACT QUANTITY	BALANCE EXTENSION
64	ZINC ANODES	550.00	EA.	\$1.07	\$588.50	550.00	\$588.50	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	550.00	\$588.50
65	HEADER CABLE	20,000.00	FT	\$1.07	\$21,400.00	20,000.00	\$21,400.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	20,000.00	\$21,400.00
66	REMOVAL & DISPOSAL OF PETROLEUM CONTAMINATED SOIL	1,000.00	C. Y.	\$101.65	\$101,650.00	1,000.00	\$101,650.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	1,000.00	\$101,650.00
ROCK TUNNEL & PIPE UNDER SALT CREEK															
67	72-IN DIA STEEL PIPE IN ROCK TUN & SHAFT	1,375.00	L. F.	\$810.12	\$1,113,915.00	1,375.00	\$1,113,915.00	780.00	\$631,893.60	0.00	\$0.00	780.00	\$631,893.60	595.00	\$482,021.40
68	84-IN MINIMUM DIA ROCK TUNNEL	1,190.00	L. F.	\$2,549.81	\$3,034,273.90	1,190.00	\$3,034,273.90	1,212.00	\$3,090,369.72	1,212.00	\$3,090,369.72	0.00	\$0.00	(22.00)	(\$56,095.82)
CO#01	ADDITION														
	1. 8" DI WATER MAIN	0.00	L. F.	\$49.21	\$0.00	975.00	\$47,979.75	961.00	\$47,290.81	961.00	\$47,290.81	0.00	\$0.00	14.00	\$688.94
	2. 8" GATE VALVE IN VALVE BOX	0.00	EA	\$3,957.84	\$0.00	3.00	\$11,873.52	3.00	\$11,873.52	3.00	\$11,873.52	0.00	\$0.00	0.00	\$0.00
	3. 8" GATE VALVE IN VALVE VAULT	0.00	EA	\$4,257.84	\$0.00	3.00	\$12,773.52	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	3.00	\$12,773.52
	4. 6" GATE VALVE IN VALVE VAULT	0.00	EA	\$4,057.84	\$0.00	5.00	\$20,289.20	1.00	\$4,057.84	1.00	\$4,057.84	0.00	\$0.00	4.00	\$16,231.36
	DEDUCTION														
	1. AMEND QTY OF ITEM # 40 ABOVE														
	2. AMEND QTY OF ITEM # 41 ABOVE														
CO#02	AMEND QTY OF ITEM NOS. 27 & 28 ABOVE														
CO#03	REMOVE & DISPOSE 16" WEST SHORE PIPE	0.00	L.F.	\$28.00	\$0.00	3,100.00	\$86,800.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	3,100.00	\$86,800.00
CO#04	ADDITION														
	1. AMEND QTY OF ITEM NOS. 2 & 3 ABOVE														
	DEDUCTION														
	1. AMEND QTY OF ITEM NOS. 1, 23, 19, 18 & 24														
	2. 1.5" GRIND & OVERLAY (RIVERSIDE & 83)	0.00	S.Y.	\$20.33	\$0.00	(1,287.00)	(\$26,164.71)	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	(1,287.00)	(\$26,164.71)
CO#05	1. AMEND QTY OF ITEM NO. 40 ABOVE														
	2. AMEND QTY OF LINE ITEM NO. 1 OF CO#01														
CO#06	WELD ADDITIONAL JOINTS OF 72" PIPE	0.00	EA	\$1,275.00	\$0.00	235.00	\$299,625.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	235.00	\$299,625.00
CONTRACT SUB-TOTALS					\$12,730,597.31		\$13,362,702.11		\$4,997,482.66		\$3,914,455.40		\$1,083,027.26		\$8,365,219.45
RETENTION					10.00%				(\$499,748.27)		(\$391,445.54)		(\$108,302.73)		\$499,748.27
CONTRACT TOTALS									\$4,497,734.39		\$3,523,009.86		\$974,724.53		\$8,864,967.72
EXCESS DEDUCTS/BONUS															
1X EXCESS ENGINEERING COSTS-ABH				HRS.	(\$60.00)			101.00	(\$6,060.00)	55.00	(\$3,300.00)	46.00	(\$2,760.00)		
2X EXCESS ENGINEERING COSTS-DWC				HRS.	(\$60.00)			0.00	\$0.00	0.00	\$0.00	0.00	\$0.00		
NET PAYMENT TO CONTRACTOR									\$4,491,674.39		\$3,519,709.86		\$971,964.53		
CHANGE ORDER PERCENTAGE									4.97%						



WEST TRANSMISSION MAIN (TIB-1)

DATE 09/27/04

ROSSI CONTRACTORS
201 WEST LAKE STREET
NORTHLAKE, ILLINOIS 60164ACCOUNT # AMOUNT
WF-7590 \$1,083,027.26
WF-3520 (\$108,302.73)
WF-3530 (\$2,760.00)

#	ITEM	ORIGINAL CONTRACT QUANTITY	UNIT	UNIT PRICE	ORIGINAL CONTRACT PRICE	AMENDED CONTRACT QUANTITY	AMENDED CONTRACT PRICE	CURRENT QUANTITY	TO DATE EXTENSION	PREVIOUS QUANTITY	PAYMENT EXTENSION	THIS QUANTITY	PAYMENT EXTENSION	CONTRACT QUANTITY	BALANCE EXTENSION
1	72" STEEL PIPE IN TRENCH	8,940.00	L. F.	\$288.07	\$2,575,345.80	8,855.00	\$2,550,859.85	649.00	\$186,957.43	14.00	\$4,032.98	635.00	\$182,924.45	8,206.00	\$2,363,902.42
2	72" STEEL PIPE IN CASING	315.00	L.F.	\$2,258.56	\$711,448.40	400.00	\$903,424.00	146.00	\$329,749.76	146.00	\$329,749.76	0.00	\$0.00	254.00	\$573,674.24
3	84" STEEL TUNNEL CASING	265.00	L. F.	\$1,610.35	\$426,742.75	350.00	\$563,622.50	148.00	\$235,111.10	148.00	\$235,111.10	0.00	\$0.00	204.00	\$328,511.40
4	84" STEEL CASING IN OPEN CUT	48.00	L. F.	\$1,018.64	\$48,894.72	48.00	\$48,894.72	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	48.00	\$48,894.72
5	72" CONC PIPE CONN AT BUTTERFLD RD	20.00	L. F.	\$3,167.20	\$63,344.00	20.00	\$63,344.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	20.00	\$63,344.00
6	72" CONC PIPE CONN AT ILL PRAIRIE PATH	20.00	L. F.	\$3,244.24	\$64,884.80	20.00	\$64,884.80	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	20.00	\$64,884.80
7	12" DIP SEWER REPLACEMENT	30.00	L. F.	\$86.42	\$2,592.60	30.00	\$2,592.60	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	30.00	\$2,592.60
8	10" PVC SEWER REPLACEMENT	30.00	L.F.	\$65.75	\$1,972.50	30.00	\$1,972.50	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	30.00	\$1,972.50
9	12" RCP SEWER REPLACEMENT	120.00	L. F.	\$68.48	\$7,977.60	120.00	\$7,977.60	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	120.00	\$7,977.60
10	15" RCP SEWER REPLACEMENT	60.00	L. F.	\$81.77	\$3,706.20	60.00	\$3,706.20	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	60.00	\$3,706.20
11	18" RCP SEWER REPLACEMENT	20.00	L. F.	\$95.13	\$1,902.60	20.00	\$1,902.60	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	20.00	\$1,902.60
12	24" RCP SEWER REPLACEMENT	30.00	L. F.	\$82.20	\$2,466.00	30.00	\$2,466.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	30.00	\$2,466.00
13	72" BUTTERFLY VALVE & VAULT	1.00	EA.	\$85,065.00	\$85,065.00	1.00	\$85,065.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	1.00	\$85,065.00
14	72" ROV BUTTERFLY VALVE & VAULT	1.00	EA.	\$155,235.60	\$155,235.60	1.00	\$155,235.60	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	1.00	\$155,235.60
15	12" BLOW-OFF IN MANHOLE	3.00	EA.	\$24,902.11	\$74,706.33	3.00	\$74,706.33	1.00	\$24,902.11	0.00	\$0.00	1.00	\$24,902.11	2.00	\$49,804.22
16	AIR RELEASE VALVE & MANHOLE	2.00	EA.	\$8,906.68	\$17,813.36	2.00	\$17,813.36	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	2.00	\$17,813.36
17	AIR RELEASE VALVE & ACCESS MANHOLE	6.00	EA.	\$10,486.00	\$62,916.00	6.00	\$62,916.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	6.00	\$62,916.00
18	GRANULAR TRENCH BACKFILL	38,000.00	C.Y.	\$18.08	\$687,040.00	37,596.00	\$679,735.68	2,428.00	\$43,862.08	1,111.00	\$20,086.88	1,315.00	\$23,775.20	35,170.00	\$635,873.60
19	ASPHALT PAVEMENT REMOVE & REPLACE	21,720.00	S. Y.	\$37.45	\$813,414.00	21,378.00	\$800,531.20	91.00	\$3,407.95	0.00	\$0.00	91.00	\$3,407.95	21,285.00	\$797,123.25
20	CONCRETE PAVT REMOVE & REPLACE	3,800.00	S. Y.	\$79.95	\$303,810.00	3,800.00	\$303,810.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	3,800.00	\$303,810.00
21	REFLECTIVE CRACK CONTROL TREAT.	650.00	S. Y.	\$4.55	\$2,957.50	650.00	\$2,957.50	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	650.00	\$2,957.50
22	1-1/2" GRIND AND OVERLAY	650.00	S. Y.	\$20.33	\$13,214.50	650.00	\$13,214.50	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	650.00	\$13,214.50
23	CURB & GUTTER, REM & REPLACE	2,000.00	L.F.	\$18.05	\$32,100.00	1,968.00	\$31,586.40	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	1,968.00	\$31,586.40
24	TOPSOIL & SEEDING	2,450.00	S. Y.	\$5.92	\$14,504.00	2,183.00	\$12,923.36	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	2,183.00	\$12,923.36
25	CURB INLET, REM & REPLACE	7.00	EA.	\$1,780.15	\$12,321.05	7.00	\$12,321.05	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	7.00	\$12,321.05
26	CHAIN LINK FENCE, REM & REPLACE	1,150.00	L.F.	\$18.44	\$21,206.00	1,150.00	\$21,206.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	1,150.00	\$21,206.00
27	SOUTH FENCE GATE, REM & REPLACE	1.00	EA.	\$29,960.00	\$29,960.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
28	NORTH FENCE GATE, REM & REPLACE	1.00	EA.	\$29,960.00	\$29,960.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
29	NOT USED														
30	NOT USED														
31	TRAFFIC CONTROL & PROTECTION	1.00	L. S.	\$149,479.00	\$149,479.00	1.00	\$149,479.00	0.25	\$37,369.75	0.20	\$29,895.80	0.05	\$7,473.95	0.75	\$112,109.25
32	CORROSION MONITORING SYSTEM	1.00	L. S.	\$1,391,000.00	\$1,391,000.00	1.00	\$1,391,000.00	0.15	\$208,650.00	0.00	\$0.00	0.15	\$208,650.00	0.85	\$1,182,350.00
33	TRENCH WATER CONTROL	1.00	L. S.	\$114,490.00	\$114,490.00	1.00	\$114,490.00	0.15	\$17,173.50	0.15	\$17,173.50	0.00	\$0.00	0.85	\$97,316.50
34	GUARD RAIL, REMOVE & REINSTALL	180.00	L. F.	\$18.17	\$2,910.60	180.00	\$2,910.60	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	180.00	\$2,910.60
35	CHAIN LINK FENCE, REM & REINSTALL	180.00	L. F.	\$18.40	\$3,312.00	180.00	\$3,312.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	180.00	\$3,312.00
36	MODIFICATION TO PIPELAYING DUE TO PETROLEUM CONTAMINATED SOIL	400.00	L. F.	\$2.04	\$816.00	400.00	\$816.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	400.00	\$816.00
37	ROV ISO MODIFICATIONS	1.00	L. S.	\$80,785.00	\$80,785.00	1.00	\$80,785.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	1.00	\$80,785.00
38	EXT PROT COATING FOR PCP SECTIONS	185.00	P. S.	\$1.07	\$197.95	185.00	\$197.95	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	185.00	\$197.95
39	REPLACE EXIST BVF ON SW TR MAIN	1.00	L. S.	\$51,434.90	\$51,434.90	1.00	\$51,434.90	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	1.00	\$51,434.90
40	6-INCH DI PIPE WATER MAIN	1,500.00	L. F.	\$35.52	\$53,280.00	600.00	\$21,312.00	471.00	\$16,729.92	471.00	\$16,729.92	0.00	\$0.00	129.00	\$4,568.08
41	6-INCH DIA GATE VALVE WITH VALVE BOX	8.00	EA.	\$3,757.84	\$30,062.72	5.00	\$18,789.20	4.00	\$15,031.36	4.00	\$15,031.36	0.00	\$0.00	1.00	\$3,757.84
42	FIRE HYDRANT WITH AUXILIARY VALVE	5.00	EA.	\$4,331.36	\$21,656.80	5.00	\$21,656.80	5.00	\$21,656.80	5.00	\$21,656.80	0.00	\$0.00	0.00	\$0.00
43	1-INCH COPPER SERVICE CONNECTION	8.00	EA.	\$1,250.83	\$7,504.98	8.00	\$7,504.98	7.00	\$8,755.81	7.00	\$8,755.81	0.00	\$0.00	(1.00)	(\$1,250.83)
44	CONNECT TO EXISTING 6-IN WATER MAIN	5.00	EA.	\$4,564.62	\$22,823.10	5.00	\$22,823.10	5.00	\$22,823.10	5.00	\$22,823.10	0.00	\$0.00	0.00	\$0.00
45	CONNECT TO EXISTING 8-IN WATER MAIN	1.00	EA.	\$4,795.40	\$4,795.40	1.00	\$4,795.40	1.00	\$4,795.40	1.00	\$4,795.40	0.00	\$0.00	0.00	\$0.00
INDETERMINATE ITEMS															
46	STEEL SHEETING LEFT IN PLACE	500.00	S. F.	\$53.50	\$26,750.00	500.00	\$26,750.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	500.00	\$26,750.00
47	GRANULAR FOUNDATION MATERIAL	500.00	C. Y.	\$21.19	\$10,595.00	500.00	\$10,595.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	500.00	\$10,595.00
48	CLASS 'SI' CONCRETE	50.00	C. Y.	\$21.19	\$1,059.50	50.00	\$1,059.50	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	50.00	\$1,059.50
49	CLASS 8 CONCRETE	50.00	C. Y.	\$85.39	\$4,269.50	50.00	\$4,269.50	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	50.00	\$4,269.50
50	LEVELING BINDER	50.00	TON	\$58.85	\$2,942.50	50.00	\$2,942.50	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	50.00	\$2,942.50
51	ROCK EXCAVATION	50.00	C. Y.	\$107.00	\$5,350.00	50.00	\$5,350.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	50.00	\$5,350.00
52	TEMP PAVT SURFACE OVER TRENCH	5,000.00	S. Y.	\$32.10	\$160,500.00	5,000.00	\$160,500.00	1,091.00	\$35,021.10	1,091.00	\$35,021.10	0.00	\$0.00	3,909.00	\$125,478.90
53	PAVEMENT BASE, REMOVE & REPLACE	200.00	S. Y.	\$48.15	\$9,630.00	200.00	\$9,630.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	200.00	\$9,630.00
54	RECTIFIER, 18 AMPERE, 60 VOLT	4.00	EA.	\$1.07	\$4.28	4.00	\$4.28	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	4.00	\$4.28
55	RECTIFIER, 60 AMPERE, 60 VOLT	4.00	EA.	\$1.07	\$4.28	4.00	\$4.28	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	4.00	\$4.28
56	ANODE HEADER CABLE TEST BOX	40.00	EA.	\$1.07	\$42.80	40.00	\$42.80	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	40.00	\$42.80
57	ANODE COLUMN TEST BOX	32.00	EA.	\$1.07	\$34.24	32.00	\$34.24	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	32.00	\$34.24
58	IMPRESSED CURRENT ANODE COLUMN	800.00	FT	\$1.07	\$842.00	800.00	\$842.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	800.00	\$842.00
59	MAGNESIUM DEEP ANODE BED	1,500.00	FT	\$1.07	\$1,605.00	1,500.00	\$1,605.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	1,500.00	\$1,605.00
60	ZINC DEEP ANODE BED	14,000.00	FT	\$1.07	\$14,980.00	14,000.00	\$14,980.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	14,000.00	\$14,980.00
61	HIGH-SILICON CAST IRON ANODE	40.00	EA.	\$1.07	\$42.80	40.00	\$42.80	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	40.00	\$42.80
62	LINEAR ANODE ASSEMBLIES	17,000.00	FT	\$1.07	\$18,190.00	17,000.00	\$18,190.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	17,000.00	\$18,190.00
63	MAGNESIUM ANODES	75.00	EA.	\$1.07	\$80.25	75.00	\$80.25	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	75.00	\$80.25

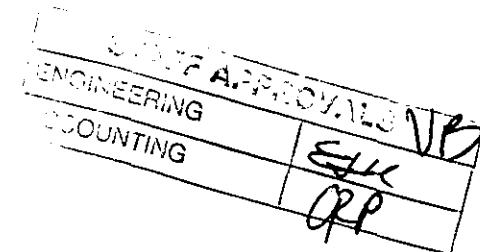
WEST TRANSMISSION MAIN (TW-2)

DATE 08/30/04

ROSSI CONTRACTORS
201 WEST LAKE STREET
NORTHLAKE, ILLINOIS 60164ACCOUNT # AMOUNT
WF-7500 \$204,227.06
WF-1398 0.00
WF-6631 0.00
WF-3520 \$514,776.87
WF-3530 \$0.00

FINAL PAYMENT

#	ITEM	ORIGINAL CONTRACT QUANTITY	UNIT	UNIT PRICE	ORIGINAL CONTRACT PRICE	AMENDED CONTRACT QUANTITY	AMENDED CONTRACT PRICE	CURRENT QUANTITY	TO DATE EXTENSION	PREVIOUS QUANTITY	PAYMENT EXTENSION	THIS QUANTITY	PAYMENT EXTENSION	CONTRACT QUANTITY	BALANCE EXTENSION
CO43	SETTLE CEMENT MORTAR LINING DISPUTE	0.00	L.S.	\$330,000.00	\$0.00	1.00	\$330,000.00	1.00	\$330,000.00	1.00	\$330,000.00	0.00	\$0.00	0.00	\$0.00
CO44	VARIOUS ADD. COSTS & FINAL BAL. ORDER														
	1. BLOCK RETAINING WALL & GUARD RAIL	0.00	L.S.	\$50,700.00	\$0.00	1.00	\$50,700.00	1.00	\$50,700.00	0.00	\$0.00	1.00	\$50,700.00	0.00	\$0.00
	2. WORK HOUR RESTRICTION AT SCHOOL	0.00	L.S.	\$12,000.00	\$0.00	1.00	\$12,000.00	1.00	\$12,000.00	0.00	\$0.00	1.00	\$12,000.00	0.00	\$0.00
	3. EXTRA TRAFFIC SIGNS - WINFIELD	0.00	L.S.	\$6,000.00	\$0.00	1.00	\$6,000.00	1.00	\$6,000.00	0.00	\$0.00	1.00	\$6,000.00	0.00	\$0.00
	4. EXTRA WORK AT ROV 4, 5, 3 & 2	0.00	L.S.	\$32,091.76	\$0.00	1.00	\$32,091.76	1.00	\$32,091.76	0.00	\$0.00	1.00	\$32,091.76	0.00	\$0.00
	5. TR. CONTROL REVISIONS - HIGH LAKE RD.	0.00	L.S.	\$82,000.00	\$0.00	1.00	\$82,000.00	1.00	\$82,000.00	0.00	\$0.00	1.00	\$82,000.00	0.00	\$0.00
	6. AMEND VARIOUS QTY ABOVE PER														
	FINAL BALANCING ORDER	0.00	L.S.	\$330,000.00											
	7. TIME EXTENSION 463 CALENDAR DAYS	0.00	L.S.	\$330,000.00											
	CONTRACT SUB-TOTALS				\$17,476,112.15		\$17,960,692.34		\$17,960,692.34		\$17,756,465.28		\$204,227.06		\$0.00
	RETENTION		0.00%						\$0.00		(\$514,776.87)		\$514,776.87		\$0.00
	CONTRACT TOTALS								\$17,960,692.34		\$17,241,688.41		\$719,003.93		\$0.00
EXCESS DEDUCTS/BONUS															
	1X EXCESS ENGINEERING COSTS-ABH		HRS.	(\$60.00)				565.00	(\$33,900.00)	565.00	(\$33,900.00)	0.00	\$0.00		
	2X EXCESS ENGINEERING COSTS-DWC		HRS.	(\$60.00)				0.00	\$0.00	0.00	\$0.00	0.00	\$0.00		
	3X SHORT NOTICE TRIP TO PKBRG WV 5/2/00								(\$1,716.00)		(\$1,716.00)		\$0.00		
	4X LINING PROBLEM TRIP TO PKBRG WV 8/22-23/00								(\$3,153.96)		(\$3,153.96)		\$0.00		
	NET PAYMENT TO CONTRACTOR								\$17,921,922.38		\$17,202,918.45		\$719,003.93		
	CHANGE ORDER PERCENTAGE								2.77%						



DU PAGE WATER COMMISSION

WEST TRANSMISSION MAIN

(TW-2)

ROSSI CONTRACTORS
201 WEST LAKE STREET
NORTHLAKE, ILLINOIS 60164

PAYMENT # 38 FINAL

DATE 08/30/04

ACCOUNT # AMOUNT
WF-7500 \$204,227.06
WF-1398 0.00
WF-6631 0.00
WF-3520 \$514,776.87
WF-3530 \$0.00

FINAL PAYMENT

#	ITEM	ORIGINAL QUANTITY	UNIT	UNIT PRICE	ORIGINAL CONTRACT PRICE	AMENDED CONTRACT QUANTITY	AMENDED CONTRACT PRICE	CURRENT QUANTITY	TO DATE EXTENSION	PREVIOUS QUANTITY	PAYMENT EXTENSION	THIS QUANTITY	PAYMENT EXTENSION	CONTRACT QUANTITY	BALANCE EXTENSION
1	48" STEEL PIPE IN TRENCH	49,500.00	L. F.	\$171.50	\$8,489,250.00	48,970.00	\$8,398,355.00	48,970.00	\$8,398,355.00	48,970.00	\$8,398,355.00	0.00	\$0.00	0.00	\$0.00
2	20" STEEL PIPE IN TRENCH	130.00	L.F.	\$60.00	\$7,800.00	115.00	\$6,900.00	115.00	\$6,900.00	115.00	\$6,900.00	0.00	\$0.00	0.00	\$0.00
3	16" STEEL PIPE IN TRENCH	15.00	L. F.	\$50.00	\$750.00	18.00	\$900.00	18.00	\$900.00	18.00	\$900.00	0.00	\$0.00	0.00	\$0.00
4	48" STEEL PIPE IN CASING	866.00	L. F.	\$250.00	\$216,000.00	866.00	\$216,500.00	866.00	\$216,500.00	866.00	\$216,500.00	0.00	\$0.00	0.00	\$0.00
5	72" STEEL TUNNEL CASING	710.00	L. F.	\$1,396.00	\$991,160.00	716.00	\$999,536.00	716.00	\$999,536.00	716.00	\$999,536.00	0.00	\$0.00	0.00	\$0.00
6	72" STEEL CASING UNDER RAILROAD	150.00	L. F.	\$1,478.00	\$221,700.00	150.00	\$221,700.00	150.00	\$221,700.00	150.00	\$221,700.00	0.00	\$0.00	0.00	\$0.00
7	48" STEEL PIPE CONN. AT BUTTERFIELD RD	1.00	L. S.	\$40,000.00	\$40,000.00	1.00	\$40,000.00	1.00	\$40,000.00	1.00	\$40,000.00	0.00	\$0.00	0.00	\$0.00
8	42" CONC PIPE CONN - GREAT WEST TRAIL	1.00	L.S.	\$35,000.00	\$35,000.00	1.00	\$35,000.00	1.00	\$35,000.00	1.00	\$35,000.00	0.00	\$0.00	0.00	\$0.00
9	20" CONC PIPE CONN AT KUHN RD	1.00	L. S.	\$15,000.00	\$15,000.00	1.00	\$15,000.00	1.00	\$15,000.00	1.00	\$15,000.00	0.00	\$0.00	0.00	\$0.00
10	DIP SEWER SERVICE REPLACEMENT	525.00	L. F.	\$70.00	\$36,750.00	374.00	\$26,180.00	374.00	\$26,180.00	374.00	\$26,180.00	0.00	\$0.00	0.00	\$0.00
11	NOT USED														
12	8" DIP SEWER REPLACEMENT	120.00	L. F.	\$69.00	\$8,280.00	58.00	\$4,002.00	58.00	\$4,002.00	58.00	\$4,002.00	0.00	\$0.00	0.00	\$0.00
13	10" DIP SEWER REPLACEMENT	1,600.00	L. F.	\$67.22	\$107,552.00	1,157.00	\$77,773.54	1,157.00	\$77,773.54	1,157.00	\$77,773.54	0.00	\$0.00	0.00	\$0.00
14	12" DIP SEWER REPLACEMENT	450.00	L. F.	\$50.40	\$22,680.00	488.00	\$24,595.20	488.00	\$24,595.20	488.00	\$24,595.20	0.00	\$0.00	0.00	\$0.00
15	16" DIP SEWER REPLACEMENT	120.00	L. F.	\$66.40	\$7,968.00	135.00	\$8,964.00	135.00	\$8,964.00	135.00	\$8,964.00	0.00	\$0.00	0.00	\$0.00
16	NOT USED														
17	24" DIP SEWER REPLACEMENT	200.00	L. F.	\$230.00	\$46,000.00	238.00	\$54,740.00	238.00	\$54,740.00	238.00	\$54,740.00	0.00	\$0.00	0.00	\$0.00
18	30" DIP SEWER REPLACEMENT	30.00	L. F.	\$115.20	\$3,456.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
19	NOT USED														
20	12" RCP SEWER REPLACEMENT	350.00	L. F.	\$60.00	\$21,000.00	319.00	\$19,140.00	319.00	\$19,140.00	319.00	\$19,140.00	0.00	\$0.00	0.00	\$0.00
21	15" RCP SEWER REPLACEMENT	210.00	L. F.	\$59.40	\$12,474.00	205.00	\$12,177.00	205.00	\$12,177.00	205.00	\$12,177.00	0.00	\$0.00	0.00	\$0.00
22	18" RCP SEWER REPLACEMENT	50.00	L. F.	\$64.00	\$3,200.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
23	21" RCP SEWER REPLACEMENT	40.00	L.F.	\$103.20	\$4,128.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
24	24" RCP SEWER REPLACEMENT	150.00	L.F.	\$77.20	\$11,580.00	113.00	\$8,723.60	113.00	\$8,723.60	113.00	\$8,723.60	0.00	\$0.00	0.00	\$0.00
25	27" RCP SEWER REPLACEMENT	220.00	L.F.	\$75.90	\$16,698.00	190.00	\$14,421.00	190.00	\$14,421.00	190.00	\$14,421.00	0.00	\$0.00	0.00	\$0.00
26	30" RCP SEWER REPLACEMENT	30.00	L.F.	\$115.20	\$3,456.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
27	48" BUTTERFLY VALVE & VAULT	9.00	EA.	\$35,315.00	\$317,835.00	9.00	\$317,835.00	9.00	\$317,835.00	9.00	\$317,835.00	0.00	\$0.00	0.00	\$0.00
28	20" BUTTERFLY VALVE & VAULT	1.00	EA.	\$20,414.00	\$20,414.00	1.00	\$20,414.00	1.00	\$20,414.00	1.00	\$20,414.00	0.00	\$0.00	0.00	\$0.00
29	16" BUTTERFLY VALVE & VAULT	1.00	EA.	\$19,370.00	\$19,370.00	1.00	\$19,370.00	1.00	\$19,370.00	1.00	\$19,370.00	0.00	\$0.00	0.00	\$0.00
30	48" ROV BUTTERFLY VALVE & VAULT	1.00	EA.	\$157,620.00	\$157,620.00	1.00	\$157,620.00	1.00	\$157,620.00	1.00	\$157,620.00	0.00	\$0.00	0.00	\$0.00
31	12" BLOW-OFF IN MANHOLE	11.00	EA.	\$20,000.00	\$220,000.00	10.00	\$200,000.00	10.00	\$200,000.00	10.00	\$200,000.00	0.00	\$0.00	0.00	\$0.00
32	AIR RELEASE VALVE & MANHOLE	8.00	EA.	\$7,470.00	\$59,760.00	8.00	\$59,760.00	8.00	\$59,760.00	8.00	\$59,760.00	0.00	\$0.00	0.00	\$0.00
33	AIR RELEASE VALVE & ACCESS MANHOLE	29.00	EA.	\$8,392.00	\$243,368.00	31.00	\$260,152.00	31.00	\$260,152.00	31.00	\$260,152.00	0.00	\$0.00	0.00	\$0.00
34	GRANULAR TRENCH BACKFILL	99,000.00	C.Y.	\$16.50	\$1,633,500.00	89,380.00	\$1,474,770.00	89,380.00	\$1,474,770.00	89,380.00	\$1,474,770.00	0.00	\$0.00	0.00	\$0.00
35	ASPHALT PAVEMENT REMOVE & REPLACE	40,800.00	S. Y.	\$33.57	\$1,369,656.00	44,802.00	\$1,504,003.14	44,802.00	\$1,504,003.14	44,802.00	\$1,504,003.14	0.00	\$0.00	0.00	\$0.00
36	4" BIT. CONC. OVER 6" AGG BASE IN W.CHIC.	8,350.00	S. Y.	\$15.72	\$131,262.00	6,907.00	\$108,578.04	6,907.00	\$108,578.04	6,907.00	\$108,578.04	0.00	\$0.00	0.00	\$0.00
37	REFLECTIVE CRACK CONTROL TREAT.	53,000.00	S. Y.	\$0.60	\$31,800.00	21,784.00	\$13,070.40	21,784.00	\$13,070.40	21,784.00	\$13,070.40	0.00	\$0.00	0.00	\$0.00
38	1-1/2" GRIND AND OVERLAY	53,000.00	S.Y.	\$5.40	\$286,200.00	60,324.00	\$325,749.60	60,324.00	\$325,749.60	60,324.00	\$325,749.60	0.00	\$0.00	0.00	\$0.00
39	ASPHALT DRIVEWAY REMOVE & REPLACE	1,980.00	S.Y.	\$21.72	\$43,005.60	3,289.00	\$71,437.08	3,289.00	\$71,437.08	3,289.00	\$71,437.08	0.00	\$0.00	0.00	\$0.00
40	CONCRETE DRIVEWAY, REM & REPL	20.00	S.Y.	\$31.00	\$620.00	24.00	\$744.00	24.00	\$744.00	24.00	\$744.00	0.00	\$0.00	0.00	\$0.00
41	STONE DRIVEWAY, REM & REPL	500.00	S. Y.	\$5.60	\$2,800.00	207.00	\$1,159.20	207.00	\$1,159.20	207.00	\$1,159.20	0.00	\$0.00	0.00	\$0.00
42	CURB & GUTTER REMOVE & REPLACE	2,300.00	L.F.	\$17.00	\$39,100.00	6,619.00	\$112,523.00	6,619.00	\$112,523.00	6,619.00	\$112,523.00	0.00	\$0.00	0.00	\$0.00
43	AGG. SHOULDER, REMOVE & REPLACE	11,000.00	S.Y.	\$11.07	\$121,770.00	15,650.00	\$173,245.50	15,650.00	\$173,245.50	15,650.00	\$173,245.50	0.00	\$0.00	0.00	\$0.00
44	ASPHALT SHOULDER, REM & REPL	925.00	S.Y.	\$23.07	\$21,339.75	962.00	\$22,193.34	962.00	\$22,193.34	962.00	\$22,193.34	0.00	\$0.00	0.00	\$0.00
45	SIDEWALK, REM & REPL	1,630.00	S.F.	\$4.00	\$6,520.00	1,944.00	\$7,776.00	1,944.00	\$7,776.00	1,944.00	\$7,776.00	0.00	\$0.00	0.00	\$0.00
46	TOP SOIL & SEEDING	22,520.00	S.Y.	\$3.80	\$85,576.00	27,024.00	\$102,691.20	27,024.00	\$102,691.20	27,024.00	\$102,691.20	0.00	\$0.00	0.00	\$0.00
47	TOPSOIL & SODDING	3,370.00	S.Y.	\$6.45	\$21,736.50	8,840.00	\$57,018.00	8,840.00	\$57,018.00	8,840.00	\$57,018.00	0.00	\$0.00	0.00	\$0.00
48	SANITARY & STORM MH, REM & REPL	10.00	EA.	\$2,100.00	\$21,000.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
49	CATCH BASIN, REM & REPL	1.00	EA.	\$2,300.00	\$2,300.00	1.00	\$2,300.00	1.00	\$2,300.00	1.00	\$2,300.00	0.00	\$0.00	0.00	\$0.00
50	INLET, CURB OR GUTTER REM & REPL	33.00	EA.	\$750.00	\$24,750.00	6.00	\$4,500.00	6.00	\$4,500.00	6.00	\$4,500.00	0.00	\$0.00	0.00	\$0.00
51	CHAIN LINK FENCE, REM & REINSTALL	30.00	L. F.	\$30.00	\$900.00	230.00	\$6,900.00	230.00	\$6,900.00	230.00	\$6,900.00	0.00	\$0.00	0.00	\$0.00
52	REM. & DISP. OF PETRO. CONT. SOIL	10,925.00	C.Y.	\$1.00	\$10,925.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
53	MOD. TO PIPELAYING DUE TO CONT. SOIL	2,300.00	L.F.	\$16.85	\$38,755.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
54	VALVE OPERATOR MODIFICATION	1.00	L.S.	\$362,363.00	\$362,363.00	1.00	\$362,363.00	1.00	\$362,363.00	1.00	\$362,363.00	0.00	\$0.00	0.00	\$0.00
55	TRAFFIC CONTROL PROTECTION & SIGNAL	1.00	L.S.	\$273,950.00	\$273,950.00	1.00	\$273,950.00	1.00	\$273,950.00	1.00	\$273,950.00	0.00	\$0.00	0.00	\$0.00
56	NOT USED														
57	DETECTOR LOOP REPLACEMENT	1,780.00	L.F.	\$18.00	\$32,040.00	1,342.00	\$24,156.00	1,342.00	\$24,156.00	1,342.00	\$24,156.00	0.00	\$0.00	0.00	\$0.00
58	TRENCH & BACKFILL FOR ELECT. WORK	245.00	L.F.	\$4.00	\$980.00	240.00	\$960.00	240.00	\$960.00	240.00	\$960.00	0.00	\$0.00	0.00	\$0.00
59	COND. IN TRENCH, 1.25" GALV. STEEL	532.00	L. F.	\$4.00	\$2,128.00	460.00	\$1,840.00	460.00	\$1,840.00	460.00	\$1,840.00	0.00	\$0.00	0.00	\$0.00
60	COND. IN TRENCH, 2" GALV. STEEL	6.00	L.F.	\$5.00	\$30.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
61	COND. IN TRENCH, 2.5" GALV. STEEL	7.00	L.F.	\$8.00	\$56.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
62	COND. IN TRENCH, 4" GALV. STEEL	11.00	L.F.	\$13.00	\$143.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
63	REM. & REINST. ELECT. CABLE FROM COND	1,378.00	L.F.	\$1.20	\$1,653.60	340.00	\$408.00	340.00	\$408.00	340.00	\$408.00	0.00	\$0.00	0.00	\$0.00
64	CUT & SPLICE COND. 1.25" DIA.	1.00	EA.	\$180.00	\$180.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
65	CUT & SPLICE COND. 2.5" DIA.	1.00	EA.	\$190.00	\$190.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00

WEST TRANSMISSION MAIN

(TW-2)

DATE 08/30/04

ROSSI CONTRACTORS
201 WEST LAKE STREET
NORTHLAKE, ILLINOIS 60164

FINAL PAYMENT

ACCOUNT # AMOUNT
WF-7500 \$204,227.06
WF-1398 0.00
WF-6631 0.00
WF-3520 \$514,776.87
WF-3530 \$0.00

#	ITEM	ORIGINAL CONTRACT QUANTITY	UNIT	UNIT PRICE	ORIGINAL CONTRACT PRICE	AMENDED CONTRACT QUANTITY	AMENDED CONTRACT PRICE	CURRENT QUANTITY	TO DATE EXTENSION	PREVIOUS QUANTITY	PAYMENT EXTENSION	THIS QUANTITY	PAYMENT EXTENSION	CONTRACT QUANTITY	BALANCE EXTENSION
66	CUT & SPLICE COND. 4" DIA.	1.00	EA.	\$300.00	\$300.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
67	CONCRETE HANDHOLE, REM & REPL	1.00	EA.	\$1,100.00	\$1,100.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
68	DRILL CONCRETE HANDHOLE	2.00	EA.	\$145.00	\$290.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
69	DRILL EXISTING FOUNDATION	1.00	EA.	\$255.00	\$255.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
70	TEMP. TR. SIGNAL INSTALLATION	1.00	EA.	\$19,600.00	\$19,600.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
71	REM & REINST. EX. MAST ARM ASSEMBLY	1.00	EA.	\$800.00	\$800.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
72	MAINTENANCE OF EXIST. TR. SIGNAL	5.00	EA.	\$5,000.00	\$25,000.00	5.00	\$25,000.00	5.00	\$25,000.00	5.00	\$25,000.00	0.00	\$0.00	0.00	\$0.00
73	SILT FENCE, SEDIMENT & EROS. CONTRL	450.00	L.F.	\$3.75	\$1,687.50	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
74	SILT FENCE, SEDIMENT & EROS. CONTRL	4,060.00	L.F.	\$1.50	\$6,090.00	7,067.00	\$10,600.50	7,067.00	\$10,600.50	7,067.00	\$10,600.50	0.00	\$0.00	0.00	\$0.00
75	STRAW BALE BARRIER, EROS. CONTROL	90.00	BALE	\$8.00	\$720.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
76	EXCELSIOR BLANKET, EROS. CONTROL	920.00	S.Y.	\$1.50	\$1,380.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
77	UNPAVED INLET PROT. SEDIMENT CONTR.	19.00	EA.	\$60.00	\$1,140.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
78	PAVED INLET PROT. SEDIMENT CONTROL	46.00	EA.	\$15.00	\$690.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
79	ROCK AT CUL/DITCH CHECKS, ER. CONTR	10.00	EA.	\$200.00	\$2,000.00	12.00	\$2,400.00	12.00	\$2,400.00	12.00	\$2,400.00	0.00	\$0.00	0.00	\$0.00
80	8" HIGH METAL SHELF, REM & REINSTALL	1.00	L.S.	\$2,700.00	\$2,700.00	1.00	\$2,700.00	1.00	\$2,700.00	1.00	\$2,700.00	0.00	\$0.00	0.00	\$0.00
81	GROUP OF 4 TRAILERS, REM & REINSTALL	1.00	L.S.	\$2,700.00	\$2,700.00	1.00	\$2,700.00	1.00	\$2,700.00	1.00	\$2,700.00	0.00	\$0.00	0.00	\$0.00
82	CORROSION MONITOR, & CONTROL SYST.	1.00	L.S.	\$136,765.00	\$136,765.00	1.00	\$136,765.00	1.00	\$136,765.00	0.98	\$134,029.70	0.02	\$2,735.30	0.00	\$0.00
83	TRENCH WATER CONTROL	1.00	L.S.	\$77,456.00	\$77,456.00	1.00	\$77,456.00	1.00	\$77,456.00	1.00	\$77,456.00	0.00	\$0.00	0.00	\$0.00
84A	8" DI PIPE WATERMAIN	1,370.00	L.F.	\$52.55	\$71,993.50	1,386.00	\$72,834.30	1,386.00	\$72,834.30	1,386.00	\$72,834.30	0.00	\$0.00	0.00	\$0.00
84B	8" GATE VALVE & VAULT	2.00	EA.	\$2,300.00	\$4,600.00	2.00	\$4,600.00	2.00	\$4,600.00	2.00	\$4,600.00	0.00	\$0.00	0.00	\$0.00
84C	FIRE HYDRANT WITH AUX. VALVE	2.00	EA.	\$2,500.00	\$5,000.00	2.00	\$5,000.00	2.00	\$5,000.00	2.00	\$5,000.00	0.00	\$0.00	0.00	\$0.00
84D	1" SERVICE CONNECTION, LONG	9.00	EA.	\$2,000.00	\$18,000.00	9.00	\$18,000.00	9.00	\$18,000.00	9.00	\$18,000.00	0.00	\$0.00	0.00	\$0.00
84E	1" SERVICE CONNECTION, SHORT	9.00	EA.	\$1,500.00	\$13,500.00	6.00	\$9,000.00	6.00	\$9,000.00	6.00	\$9,000.00	0.00	\$0.00	0.00	\$0.00
84F	8" DI PIPE WATERMAIN	1,840.00	L.F.	\$37.60	\$69,184.00	1,839.00	\$69,146.40	1,839.00	\$69,146.40	1,839.00	\$69,146.40	0.00	\$0.00	0.00	\$0.00
84G	6" DI PIPE WATERMAIN	90.00	L.F.	\$37.60	\$3,384.00	67.00	\$2,519.20	67.00	\$2,519.20	67.00	\$2,519.20	0.00	\$0.00	0.00	\$0.00
84H	8" GATE VALVE & VAULT	2.00	EA.	\$2,300.00	\$4,600.00	4.00	\$9,200.00	4.00	\$9,200.00	4.00	\$9,200.00	0.00	\$0.00	0.00	\$0.00
84I	8" GATE VALVE & BOX	1.00	EA.	\$800.00	\$800.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
84J	6" GATE VALVE & VAULT	4.00	EA.	\$600.00	\$2,400.00	2.00	\$1,200.00	2.00	\$1,200.00	2.00	\$1,200.00	0.00	\$0.00	0.00	\$0.00
84K	FIRE HYDRANT WITH AUX. VALVE	5.00	EA.	\$2,500.00	\$12,500.00	5.00	\$12,500.00	5.00	\$12,500.00	5.00	\$12,500.00	0.00	\$0.00	0.00	\$0.00
84L	1" SERVICE CONNECTION, LONG	12.00	EA.	\$2,000.00	\$24,000.00	9.00	\$18,000.00	9.00	\$18,000.00	9.00	\$18,000.00	0.00	\$0.00	0.00	\$0.00
84M	1" SERVICE CONNECTION, SHORT	12.00	EA.	\$1,500.00	\$18,000.00	10.00	\$15,000.00	10.00	\$15,000.00	10.00	\$15,000.00	0.00	\$0.00	0.00	\$0.00
84N	AUGER FOR INSTALLATION OF MAIN	20.00	L.F.	\$200.00	\$4,000.00	20.00	\$4,000.00	20.00	\$4,000.00	20.00	\$4,000.00	0.00	\$0.00	0.00	\$0.00
84O	12" DI PIPE WATERMAIN	4,230.00	L.F.	\$55.59	\$235,145.70	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
84P	12" GATE VALVE & VAULT	2.00	EA.	\$2,500.00	\$5,000.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
84Q	FIRE HYDRANT WITH AUX. VALVE	2.00	EA.	\$2,500.00	\$5,000.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
84R	ASPHALT PAVT, REM & REPLCE	1,400.00	S.Y.	\$34.00	\$47,600.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
84S	12" DI PIPE WATERMAIN	4,060.00	L.F.	\$46.75	\$189,805.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
84T	12" GATE VALVE & VAULT	1.00	EA.	\$2,500.00	\$2,500.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
84U	FIRE HYDRANT WITH AUX. VALVE	2.00	EA.	\$2,500.00	\$5,000.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
84V	AUGER FOR INSTALLATION OF MAIN	15.00	L.F.	\$200.00	\$3,000.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
84W	ASPHALT PAVT, REM & REPLCE	1,500.00	S.Y.	\$34.00	\$51,000.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
85	STEEL SHEETING LEFT IN PLACE	1,000.00	S.F.	\$40.00	\$40,000.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
86	GRANULAR FOUNDATION MATERIAL	2,000.00	C.Y.	\$18.00	\$36,000.00	1,421.00	\$25,578.00	1,421.00	\$25,578.00	1,421.00	\$25,578.00	0.00	\$0.00	0.00	\$0.00
87	CLASS "SI" CONCRETE	200.00	C.Y.	\$72.55	\$14,510.00	29.00	\$2,103.95	29.00	\$2,103.95	29.00	\$2,103.95	0.00	\$0.00	0.00	\$0.00
88	CLASS B CONCRETE	300.00	C.Y.	\$61.50	\$18,450.00	50.00	\$3,075.00	50.00	\$3,075.00	50.00	\$3,075.00	0.00	\$0.00	0.00	\$0.00
89	LEVELING BINDER	3,000.00	TON	\$44.00	\$132,000.00	2,424.00	\$106,656.00	2,424.00	\$106,656.00	2,424.00	\$106,656.00	0.00	\$0.00	0.00	\$0.00
90	DIRECT BOND (CORR. CONT.DRG. ITEM 90)	2.00	EA.	\$9,000.00	\$18,000.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
91	GROUNDRED DRAIN (CORR. CONT.DRG. #91)	2.00	EA.	\$11,000.00	\$22,000.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
92	ROCK EXCAVATION	100.00	C.Y.	\$50.00	\$5,000.00	72.00	\$3,600.00	72.00	\$3,600.00	72.00	\$3,600.00	0.00	\$0.00	0.00	\$0.00
93	PAVT. BASE, REM & REPLACE	1,500.00	S.Y.	\$34.00	\$51,000.00	1,518.00	\$51,612.00	1,518.00	\$51,612.00	1,518.00	\$51,612.00	0.00	\$0.00	0.00	\$0.00
94	2" ADDITIONAL BIT. MIX	1,000.00	S.Y.	\$9.00	\$9,000.00	675.00	\$6,075.00	675.00	\$6,075.00	675.00	\$6,075.00	0.00	\$0.00	0.00	\$0.00
95	EXT. PROT. COAT CONC. PIPE SECTIONS	100.00	EA.	\$520.00	\$52,000.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
96	1" TYPE K COPPER WATER SERVICE	1,000.00	L.F.	\$30.00	\$30,000.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
97	VALVE VAULT, REM & REPLACEMENT	1.00	EA.	\$2,500.00	\$2,500.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
98	RELOCATE 2" GAS MAIN	280.00	L.F.	\$50.00	\$14,000.00	80.00	\$4,000.00	80.00	\$4,000.00	80.00	\$4,000.00	0.00	\$0.00	0.00	\$0.00
99	CAST-IN-PLACE CONC. VAULT FOR ROV 4	1.00	EA.	\$18,700.00	\$18,700.00	1.00	\$18,700.00	1.00	\$18,700.00	0.00	\$0.00	1.00	\$18,700.00	0.00	\$0.00
100	COND. IN TRENCH, 1.25" GALV. STEEL	250.00	L.F.	\$3.90	\$975.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
101	COND. IN TRENCH, 1.5" GALV. STEEL	50.00	L.F.	\$4.30	\$215.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
102	COND. IN TRENCH, 2" GALV. STEEL	60.00	L.F.	\$4.80	\$288.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
103	COND. IN TRENCH, 2.5" GALV. STEEL	60.00	L.F.	\$7.40	\$444.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
104	COND. IN TRENCH, 3" GALV. STEEL	60.00	L.F.	\$9.60	\$576.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
105	COND. IN TRENCH, 3.5" GALV. STEEL	60.00	L.F.	\$12.00	\$720.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
106	COND. IN TRENCH, 4" GALV. STEEL	20.00	L.F.	\$12.50	\$250.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
107	CONC. HANDHOLE, REM & REPLACE	1.00	EA.	\$1,100.00	\$1,100.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
108	DETECTOR LOOP REPLACEMENT	200.00	L.F.	\$18.00	\$3,600.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
109	REMOVE EL. CABLE FROM COND & REINST.	500.00	L.F.	\$1.20	\$600.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
110	TRENCH & BACKFILL FOR ELECT. WORK	300.00	L.F.	\$3.40	\$1,020.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00

WEST TRANSMISSION MAIN (TW-2)

DATE 08/30/04

ROSSI CONTRACTORS
201 WEST LAKE STREET
NORTHLAKE, ILLINOIS 60164

FINAL PAYMENT

ACCOUNT # AMOUNT
WF-7500 \$204,227.06
WF-1398 0.00
WF-6631 0.00
WF-3520 \$514,776.87
WF-3530 \$0.00

#	ITEM	ORIGINAL CONTRACT QUANTITY	UNIT	UNIT PRICE	ORIGINAL CONTRACT PRICE	AMENDED CONTRACT QUANTITY	AMENDED CONTRACT PRICE	CURRENT QUANTITY	TO DATE EXTENSION	PREVIOUS QUANTITY	PAYMENT EXTENSION	THIS QUANTITY	PAYMENT EXTENSION	CONTRACT QUANTITY	BALANCE EXTENSION
CO1	TIME EXTENSION - 14 DAYS (PHASE I ONLY)														
CO2	SEDIMENT LOGS IN LIEU OF STRAW BALES	0.00	LYD	\$38.61	\$0.00	264.00	\$10,193.04	264.00	\$10,193.04	264.00	\$10,193.04	0.00	\$0.00	0.00	\$0.00
CO3	ADD 3" BIT CONC FOR PAVT IN W.CHICAGO	0.00	S.Y.	\$9.82	\$0.00	6,907.00	\$67,826.74	6,907.00	\$67,826.74	6,907.00	\$67,826.74	0.00	\$0.00	0.00	\$0.00
CO4	ADD COST-CASING @ NORTH & ST. CHARLES	0.00	L.S.	\$5,400.00	\$0.00	1.00	\$5,400.00	1.00	\$5,400.00	1.00	\$5,400.00	0.00	\$0.00	0.00	\$0.00
CO5	ADD PAVT THICKNESS PER DUDOT														
	1. BIT DRIVEWAYS--GENEVA TO MAIN ST	0.00	S.Y.	\$4.80	\$0.00	612.00	\$2,937.60	612.00	\$2,937.60	612.00	\$2,937.60	0.00	\$0.00	0.00	\$0.00
	2. BIT SHOULDERS--GENEVA TO MAIN ST	0.00	S.Y.	\$13.85	\$0.00	962.00	\$13,323.70	962.00	\$13,323.70	962.00	\$13,323.70	0.00	\$0.00	0.00	\$0.00
CO6	ADD COST-SAWING & PAVT MARKINGS	0.00	L.S.	\$2,808.17	\$0.00	1.00	\$2,808.17	1.00	\$2,808.17	1.00	\$2,808.17	0.00	\$0.00	0.00	\$0.00
CO7	ADD COST-ADJUST HH, CB & SAWCUT CURB	0.00	L.S.	\$2,697.00	\$0.00	1.00	\$2,697.00	1.00	\$2,697.00	1.00	\$2,697.00	0.00	\$0.00	0.00	\$0.00
CO8	CREDIT--66" DIA CASING INSTEAD OF 72"	0.00	L.F.	(\$10.00)	\$0.00	866.00	(\$8,660.00)	866.00	(\$8,660.00)	866.00	(\$8,660.00)	0.00	\$0.00	0.00	\$0.00
CO9	1. ADD 2500 LF C&G TO ITEM 42 ABOVE														
	2. DEDUCT 330 SY PAVT-- ITEM 35 ABOVE														
CO10	1. ADD 180 LF FENCE TO ITEM 51 ABOVE														
	2. R & R FENCE AT MCCORMICK EASEMENT	0.00	L.S.	\$5,931.20	\$0.00	1.00	\$5,931.20	1.00	\$5,931.20	1.00	\$5,931.20	0.00	\$0.00	0.00	\$0.00
CO11	ADD AIR RELEASE VALVE & MH, ST.39+00	0.00	EA.	\$7,470.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
CO12	DI SOLID SLEEVE COUPLING FOR WM REPL.	0.00	EA.	\$250.00	\$0.00	12.00	\$3,000.00	12.00	\$3,000.00	12.00	\$3,000.00	0.00	\$0.00	0.00	\$0.00
CO13	SEEDING AT 200LB/ACRE IN FOREST PR.	0.00	S.Y.	\$4.90	\$0.00	1,528.00	\$7,487.20	1,528.00	\$7,487.20	1,528.00	\$7,487.20	0.00	\$0.00	0.00	\$0.00
CO14	ADD COST FOR WETLAND GAP-PR.CR. RD	0.00	EA.	\$19,221.60	\$0.00	1.00	\$19,221.60	1.00	\$19,221.60	1.00	\$19,221.60	0.00	\$0.00	0.00	\$0.00
CO15	4" YELLOW PAVT. STRIPING-WINFIELD RD	0.00	L.F.	\$0.39	\$0.00	13,100.00	\$5,109.00	13,100.00	\$5,109.00	13,100.00	\$5,109.00	0.00	\$0.00	0.00	\$0.00
CO16	ADD COST DUE TO REVISED TR. CONT.DRG.	0.00	L.S.	\$119,736.00	\$0.00	1.00	\$119,736.00	1.00	\$119,736.00	1.00	\$119,736.00	0.00	\$0.00	0.00	\$0.00
CO17	WAIVE PIPE DIR. & STOCKPILING (NO COST)														
CO18	ADD COST-WATER SERVICES-WINFLD WORK														
	1. 1" LONG AND SHORT SERVICES	0.00	EA.	\$500.00	\$0.00	34.00	\$17,000.00	34.00	\$17,000.00	34.00	\$17,000.00	0.00	\$0.00	0.00	\$0.00
	2. 1.5" SHORT SERVICE	0.00	L.S.	\$2,500.00	\$0.00	1.00	\$2,500.00	1.00	\$2,500.00	1.00	\$2,500.00	0.00	\$0.00	0.00	\$0.00
CO19	TIME RESTRAINT & TEMP. ROAD-WAYNE TWP	0.00	L.S.	\$30,000.00	\$0.00	1.00	\$30,000.00	1.00	\$30,000.00	1.00	\$30,000.00	0.00	\$0.00	0.00	\$0.00
CO20	EXTRA TR. CONTROL SIGNS IN WINFIELD	0.00	L.S.	\$5,960.00	\$0.00	1.00	\$5,960.00	1.00	\$5,960.00	1.00	\$5,960.00	0.00	\$0.00	0.00	\$0.00
CO21	AMEND QTY OF ITEMS 47, 74 & CO2 ABOVE														
CO22	ADD. WORK AT ROV2 AND ROV3														
	1. ELECTRICAL REVISIONS AT ROV2	0.00	L.S.	\$4,050.30	\$0.00	1.00	\$4,050.30	1.00	\$4,050.30	1.00	\$4,050.30	0.00	\$0.00	0.00	\$0.00
	2. BOLLARDS AT ROV2	0.00	EA.	\$680.00	\$0.00	3.00	\$2,640.00	3.00	\$2,640.00	3.00	\$2,640.00	0.00	\$0.00	0.00	\$0.00
	3. ELECTRICAL REVISIONS AT ROV3	0.00	L.S.	\$35,589.70	\$0.00	1.00	\$35,589.70	1.00	\$35,589.70	1.00	\$35,589.70	0.00	\$0.00	0.00	\$0.00
CO23	INSTALL EIM ACTUATOR AT ROV2	0.00	L.S.	\$17,455.00	\$0.00	1.00	\$17,455.00	1.00	\$17,455.00	1.00	\$17,455.00	0.00	\$0.00	0.00	\$0.00
CO24	AMEND QTY OF ITEMS 84H & 84J ABOVE														
CO25	AMEND QTY OF ITEMS 39 & 43 ABOVE														
CO26	12" WM AT CTY FRM RD--WINFLD WORK	0.00	L.F.	\$90.00	\$0.00	120.00	\$10,800.00	120.00	\$10,800.00	120.00	\$10,800.00	0.00	\$0.00	0.00	\$0.00
CO27	WINFIELD WORK														
	AMEND QTY OF 84S THRU 84W ABOVE														
	ADD ITEMS 84SR THRU 84WR BELOW														
	84SR--12" DIP WATER MAIN	0.00	L.F.	\$87.51	\$0.00	3,945.00	\$345,226.95	3,945.00	\$345,226.95	3,945.00	\$345,226.95	0.00	\$0.00	0.00	\$0.00
	84TR--12" GATE VALVE & VAULT	0.00	EA.	\$3,145.00	\$0.00	5.00	\$15,725.00	5.00	\$15,725.00	5.00	\$15,725.00	0.00	\$0.00	0.00	\$0.00
	84UR--FIRE HYD WITH AUX VALVE	0.00	EA.	\$32,000.00	\$0.00	10.00	\$32,000.00	10.00	\$32,000.00	10.00	\$32,000.00	0.00	\$0.00	0.00	\$0.00
	84VR--AUGER FOR INST. OF MAIN	0.00	L.F.	\$300.00	\$0.00	80.00	\$24,000.00	80.00	\$24,000.00	80.00	\$24,000.00	0.00	\$0.00	0.00	\$0.00
	84WR--ASPHALT PAVT. REM & REPLACE	0.00	SY	\$34.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00	0.00	\$0.00
CO28	BLOCK WALL & ALTERATIONS IN WINFIELD	0.00	EA.	\$7,335.00	\$0.00	1.00	\$7,335.00	1.00	\$7,335.00	1.00	\$7,335.00	0.00	\$0.00	0.00	\$0.00
CO29	24" DIP SEWER REPLACEMENT	0.00	L.F.	\$100.00	\$0.00	130.00	\$13,000.00	130.00	\$13,000.00	130.00	\$13,000.00	0.00	\$0.00	0.00	\$0.00
CO30	AMEND QTY OF ITEMS 42 & 35 ABOVE														
CO31	AMEND QTY OF ITEMS #84O THRU 84R-- WINFIELD WORK														
CO32	TIME EXTENSION-- 169 CALANDER DAYS														
CO33	REPAIR EXIST. PAVEMENT IN DWC YARD	0.00	L.S.	\$1,373.00	\$0.00	1.00	\$1,373.00	1.00	\$1,373.00	1.00	\$1,373.00	0.00	\$0.00	0.00	\$0.00
CO34	ADD. COST--MODIFICATIONS TO ROV3	0.00	L.S.	\$7,396.13	\$0.00	1.00	\$7,396.13	1.00	\$7,396.13	1.00	\$7,396.13	0.00	\$0.00	0.00	\$0.00
CO35	ADD. COST--TR. CONT. REVISION#2-DUDOT	0.00	L.S.	\$22,438.50	\$0.00	1.00	\$22,438.50	1.00	\$22,438.50	1.00	\$22,438.50	0.00	\$0.00	0.00	\$0.00
CO36	ADD. COST--SHEET PILING MOB/DEMOB AND BACKFILL AT WAYNE TWP. BRIDGE	0.00	L.S.	\$32,981.11	\$0.00	1.00	\$32,981.11	1.00	\$32,981.11	1.00	\$32,981.11	0.00	\$0.00	0.00	\$0.00
CO37	REPAIR EXIST. 72" WEST RES. INF. VALVE	0.00	L.S.	\$2,638.08	\$0.00	1.00	\$2,638.08	1.00	\$2,638.08	1.00	\$2,638.08	0.00	\$0.00	0.00	\$0.00
CO38	WATERPROOF SIX EXIST. MH @ DWC YARD	0.00	L.S.	\$22,780.00	\$0.00	1.00	\$22,780.00	1.00	\$22,780.00	1.00	\$22,780.00	0.00	\$0.00	0.00	\$0.00
CO39	ADD.COST--OVERTIME WORK, WINFIELD	0.00	L.S.	\$40,960.45	\$0.00	1.00	\$40,960.45	1.00	\$40,960.45	1.00	\$40,960.45	0.00	\$0.00	0.00	\$0.00
CO40	ADD. COST-- ELECT. DUCT BANK, ROV 4&5	0.00	L.S.	\$13,429.96	\$0.00	1.00	\$13,429.96	1.00	\$13,429.96	1.00	\$13,429.96	0.00	\$0.00	0.00	\$0.00
CO41	EXTRA WORK AT ROV2 (11/22/2002)	0.00	L.S.	\$1,373.04	\$0.00	1.00	\$1,373.04	1.00	\$1,373.04	1.00	\$1,373.04	0.00	\$0.00	0.00	\$0.00
CO42	CREDIT FOR ROV & VAULT LESS EXPENSES	0.00	L.S.	(\$109,878.08)	\$0.00	1.00	(\$109,878.08)	1.00	(\$109,878.08)	1.00	(\$109,878.08)	0.00	\$0.00	0.00	\$0.00

CHANGE ORDER

DuPAGE WATER COMMISSION

SHEET 1 OF 3

PROJECT NAME: Corrosion Identification Survey

CHANGE ORDER NO. 1

LOCATION: DuPage County

CONTRACT NO. CP-3

CONTRACTOR: Cathodic Protection Management Inc.

DATE: September 15, 2004

I. A. **DESCRIPTION OF CHANGES INVOLVED:**

One year extension of contract time.

B. **REASON FOR CHANGE:**

The replacement of a considerable number of C.P. test stations required for the purpose of field data collection has resulted in delays to the field work, and in turn, to the submission of assessment reports which are generated by the field data. No additional compensation is associated with this change order.

C. **REVISION IN CONTRACT PRICE:**

\$0.00

II. CHANGE ORDER CONDITIONS:

1. The Completion Date established in the Original Contract or as modified by previous Change Orders is hereby extended by 365 calendar days, making the final completion date November 15, 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>470,175.60</u>
2.	Net change due to all previous Change Orders	\$ <u>0.00</u>
3.	Contract Price, not including this Change Order	\$ <u>470,175.60</u>
4.	Addition to Contract Price due to this Change Order	\$ <u>0.00</u>
5.	Contract Price including this Change Order	\$ <u>470,175.60</u>

RECOMMENDED FOR ACCEPTANCE:

PROJECT COORDINATOR: _____ ()
Date

ACCEPTED:

CONTRACTOR: Cathodic Protection Management Inc.

By: _____ ()
Signature of Authorized Representative Date

DUPAGE WATER COMMISSION:

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

CHANGE ORDER

THE DUPAGE WATER COMMISSION

SHEET 1 OF 6

PROJECT NAME: West Transmission Main

CHANGE ORDER NO. 44

LOCATION: Butterfield Road To Kuhn Road

CONTRACT NO. TW-2

CONTRACTOR: Rossi Contractors

DATE: October 04, 2004

I. A. DESCRIPTION OF CHANGES INVOLVED:

1. Additional cost for reconstructing the block retaining wall and guard rail at the Wayne Township bridge on St. Charles Road.
2. Additional cost for pipe installation and pavement replacement near the Benjamin Middle School on St. Charles Road.
3. Additional cost for extra traffic control signs required by the Village of Winfield.
4. Additional cost for work at ROV 4 & 5, flat top and steps replacement at ROV 3, and replacement of damaged actuator at ROV 2.
5. Additional cost for extra manpower and equipment required for pipe installation and restoration work on High Lake Road.
6. Revision to Contract Amount due to Final Balancing Change Order.
7. Extend Contract Completion Date by 463 calendar days to Oct. 14, 2004.

B. REASON FOR CHANGE:

1. Wayne Township constructed a new bridge with block retaining wall after the Contract was designed and awarded and, therefore, this work was not shown on the Contract Drawings at the time of bid.
2. During pipe installation and pavement replacement along St. Charles Road, the Benjamin Middle School imposed work hour restrictions that were not delineated at the time of bid.
3. The DWC, at the request of the Village of Winfield, required additional traffic signs to inform motorists about the location of Central DuPage Hospital during construction on Winfield Road.
4. At ROV 4 & 5, additional cost incurred as shut down of existing transmission main could not be done during high demand season. At ROV 3, the DWC requested this additional work to replace damaged flat top and reorientation of manhole steps. At ROV 2, additional cost incurred due to damage caused to the valve actuator during plant operation.
5. On High Lake Road, DuPage County DOT revised traffic control plans implementing one-way traffic which required the Contractor to expend additional manpower and equipment costs.
6. To reflect the actual quantities installed.

CHANGE ORDER NO. 44

7. The delay was caused by the problems experienced by the manufacturer of the metal seated butterfly valve in meeting the testing requirement of the Specifications, which was beyond the Contractor's control.

C. REVISION IN PRICE:

NEGOTIATED PRICE:

ADDITION:

1. Block Retaining Wall And Guard Rail	1 L.S. @ \$50,700.00/L.S.	\$50,700.00
2. Work Hour Restriction At Benjamin School	1 L.S. @ \$12,000.00/L.S.	\$12,000.00
3. Extra Traffic Signs In Village of Winfield	1 L.S. @ \$6,000.00/L.S.	\$6,000.00
4. Extra Work At ROV 2, 3, 4 and 5	1 L.S. @ \$32,091.76/L.S.	\$32,091.76
5. Extra Cost due to Tr. Control Revisions on High Lake Road	1 L.S. @ \$82,000.00/L.S.	\$82,000.00

UNIT PRICE:

DEDUCTION:

6. Final Balancing Change Order	See Attached Sheet 3 and 4	<u>(\$529,540.19)</u>
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TOTAL (\$346,748.43)

TRANSMISSION MAIN WEST
PARTIAL BALANCING CHANGE ORDER
ROSSI CONTRACTORS
201 WEST LAKE STREET
NORTHLAKE, IL 60164

TW-2

CHANGE ORDER NO. 44

FINAL BALANCING CHANGE ORDER

#	ITEM	ORIGINAL CONTRACT QUANTITY	UNIT	UNIT PRICE	ORIGINAL CONTRACT PRICE	AMENDED CONTRACT QUANTITY	AMENDED CONTRACT PRICE	CURRENT QUANTITY	FINAL TO DATE EXTENSION	FINAL BALANCING QUANTITY	FINAL ORDER EXTENSION	
1	48" STEEL PIPE IN TRENCH	49,500.00	L.F.	\$171.50	\$8,489,250.00	49,500.00	\$8,489,250.00	48,970.00	\$8,398,355.00	(530.00)	(90,895.00)	(90,895.00)
2	20" STEEL PIPE IN TRENCH	130.00	L.F.	\$60.00	\$7,800.00	130.00	\$7,800.00	115.00	\$6,900.00	(15.00)	(900.00)	(900.00)
3	16" STEEL PIPE IN TRENCH	15.00	L.F.	\$50.00	\$750.00	15.00	\$750.00	18.00	\$900.00	3.00	150.00	150.00
4	48" STEELPIPE IN CASING	860.00	L.F.	\$250.00	\$215,000.00	860.00	\$215,000.00	866.00	\$216,500.00	6.00	1,500.00	1,500.00
5	72" STEEL TUNNEL CASING	710.00	L.F.	\$1,396.00	\$991,160.00	710.00	\$991,160.00	716.00	\$999,536.00	6.00	8,376.00	8,376.00
10	DIP SEWER SERVICE REPLACEMENT	525.00	L.F.	\$70.00	\$36,750.00	525.00	\$36,750.00	374.00	\$26,180.00	(151.00)	(10,570.00)	(10,570.00)
12	8" DIP SEWER REPLACEMENT	120.00	L.F.	\$69.00	\$8,280.00	120.00	\$8,280.00	58.00	\$4,002.00	(62.00)	(4,278.00)	(4,278.00)
13	10" DIP SEWER REPLACEMENT	1,600.00	L.F.	\$67.22	\$107,552.00	1,600.00	\$107,552.00	1,157.00	\$77,773.54	(443.00)	(29,778.46)	(29,778.46)
14	12" DIP SEWER REPLACEMENT	450.00	L.F.	\$50.40	\$22,680.00	450.00	\$22,680.00	488.00	\$24,595.20	38.00	1,915.20	1,915.20
15	16" DIP SEWER REPLACEMENT	120.00	L.F.	\$66.40	\$7,968.00	120.00	\$7,968.00	135.00	\$8,964.00	15.00	996.00	996.00
17	24" DIP SEWER REPLACEMENT	200.00	L.F.	\$230.00	\$46,000.00	200.00	\$46,000.00	238.00	\$54,740.00	38.00	8,740.00	8,740.00
18	30" DIP SEWER REPLACEMENT	30.00	L.F.	\$115.20	\$3,456.00	30.00	\$3,456.00	0.00	\$0.00	(30.00)	(3,456.00)	(3,456.00)
20	12" RCP SEWER REPLACEMENT	350.00	L.F.	\$60.00	\$21,000.00	350.00	\$21,000.00	319.00	\$19,140.00	(31.00)	(1,860.00)	(1,860.00)
21	15" RCP SEWER REPLACEMENT	210.00	L.F.	\$59.40	\$12,474.00	210.00	\$12,474.00	205.00	\$12,177.00	(5.00)	(297.00)	(297.00)
22	18" RCP SEWER REPLACEMENT	50.00	L.F.	\$64.00	\$3,200.00	50.00	\$3,200.00	0.00	\$0.00	(50.00)	(3,200.00)	(3,200.00)
23	21" RCP SEWER REPLACEMENT	40.00	L.F.	\$103.20	\$4,128.00	40.00	\$4,128.00	0.00	\$0.00	(40.00)	(4,128.00)	(4,128.00)
24	24" RCP SEWER REPLACEMENT	150.00	L.F.	\$77.20	\$11,580.00	150.00	\$11,580.00	113.00	\$8,723.60	(37.00)	(2,856.40)	(2,856.40)
25	27" RCP SEWER REPLACEMENT	220.00	L.F.	\$75.90	\$16,698.00	220.00	\$16,698.00	190.00	\$14,421.00	(30.00)	(2,277.00)	(2,277.00)
26	30" RCP SEWER REPLACEMENT	30.00	L.F.	\$115.20	\$3,456.00	30.00	\$3,456.00	0.00	\$0.00	(30.00)	(3,456.00)	(3,456.00)
31	12" BLOW-OFF MANHOLE	11.00	EA.	\$20,000.00	\$220,000.00	11.00	\$220,000.00	10.00	\$200,000.00	(1.00)	(20,000.00)	(20,000.00)
33	AIR REL. VALVE & ACCESS MANHOLE	29.00	EA.	\$8,392.00	\$243,368.00	29.00	\$243,368.00	31.00	\$260,152.00	2.00	16,784.00	16,784.00
34	GRANULAR TRENCH BACKFILL	99,000.00	C.Y.	\$16.50	\$1,633,500.00	99,000.00	\$1,633,500.00	89,380.00	\$1,474,770.00	(9,620.00)	(158,730.00)	(158,730.00)
35	ASPHALT PAVEMENT, REM & REPLACE	40,800.00	S.Y.	\$33.57	\$1,369,656.00	40,338.00	\$1,354,146.66	44,802.00	\$1,504,003.14	4,464.00	149,856.48	149,856.48
36	4" BIT. CONC. OVER 6" AGG. BASE IN W. CHI.	8,350.00	S.Y.	\$15.72	\$131,262.00	8,350.00	\$131,262.00	6,907.00	\$108,578.04	(1,443.00)	(22,683.96)	(22,683.96)
37	REFL. CRACK CONTROL TREAT.	53,000.00	S.Y.	\$0.60	\$31,800.00	53,000.00	\$31,800.00	21,784.00	\$13,070.40	(31,216.00)	(18,729.60)	(18,729.60)
38	1-1/2" GRIND & OVERLAY	53,000.00	S.Y.	\$5.40	\$286,200.00	53,000.00	\$286,200.00	60,324.00	\$325,749.60	7,324.00	39,549.60	39,549.60
39	ASPHALT DRIVEWAY, REM & REPL	1,980.00	S.Y.	\$21.72	\$43,005.60	3,180.00	\$69,069.60	3,289.00	\$71,437.08	109.00	2,367.48	2,367.48
40	CONCRETE DRIVEWAY, REM & REPL	20.00	S.Y.	\$31.00	\$620.00	20.00	\$620.00	24.00	\$744.00	4.00	124.00	124.00
41	STONE DRIVEWAY, REM & REPLACE	500.00	S.Y.	\$5.60	\$2,800.00	500.00	\$2,800.00	207.00	\$1,159.20	(293.00)	(1,640.80)	(1,640.80)
42	CURB & GUTTER, REM & REPLACE	2,300.00	L.F.	\$17.00	\$39,100.00	5,800.00	\$98,600.00	6,619.00	\$112,523.00	819.00	13,923.00	13,923.00
43	AGG. SHOULDER, REM & REPLACE	11,000.00	S.Y.	\$11.07	\$121,770.00	13,500.00	\$149,445.00	15,650.00	\$173,245.50	2,150.00	23,800.50	23,800.50
44	ASPHALT SHOULDER, REM & REPL	925.00	S.Y.	\$23.07	\$21,339.75	925.00	\$21,339.75	962.00	\$22,193.34	37.00	853.59	853.59
45	SIDEWALK, REM & REPLACE	1,630.00	S.F.	\$4.00	\$6,520.00	1,630.00	\$6,520.00	1,944.00	\$7,776.00	314.00	1,256.00	1,256.00
46	TOPSOIL & SEEDING	22,520.00	S.Y.	\$3.80	\$85,576.00	22,520.00	\$85,576.00	27,024.00	\$102,691.20	4,504.00	17,115.20	17,115.20
47	TOPSOIL & SODDING	3,370.00	S.Y.	\$6.45	\$21,736.50	7,370.00	\$47,536.50	8,840.00	\$57,018.00	1,470.00	9,481.50	9,481.50
48	SAN. & STORM MH, REM & REPL	10.00	EA.	\$2,100.00	\$21,000.00	10.00	\$21,000.00	0.00	\$0.00	(10.00)	(21,000.00)	(21,000.00)
50	INLET, CURB OR GUTTER, REM & REPL.	33.00	EA.	\$750.00	\$24,750.00	33.00	\$24,750.00	6.00	\$4,500.00	(27.00)	(20,250.00)	(20,250.00)
51	CHAIN LINK FENCE, REM & REINSTALL	30.00	L.F.	\$30.00	\$900.00	210.00	\$6,300.00	230.00	\$6,900.00	20.00	600.00	600.00
52	REM. & DISP. OF PETRO. CONT. SOIL	10,925.00	C.Y.	\$1.00	\$10,925.00	10,925.00	\$10,925.00	0.00	\$0.00	(10,925.00)	(10,925.00)	(10,925.00)
53	MOD. TO PIPE. DUE TO CONT. SOIL	2,300.00	L.F.	\$16.85	\$38,755.00	2,300.00	\$38,755.00	0.00	\$0.00	(2,300.00)	(38,755.00)	(38,755.00)
57	DETECTOR LOOP REPLACEMENT	1,780.00	L.F.	\$18.00	\$32,040.00	1,780.00	\$32,040.00	1,342.00	\$24,156.00	(438.00)	(7,884.00)	(7,884.00)
58	TRENCH & BACKFILL FOR ELECT. WORK	245.00	L.F.	\$4.00	\$980.00	245.00	\$980.00	240.00	\$960.00	(5.00)	(20.00)	(20.00)
59	CONDUIT IN TRENCH, 1.25" GALV. STEEL	532.00	L.F.	\$4.00	\$2,128.00	532.00	\$2,128.00	460.00	\$1,840.00	(72.00)	(288.00)	(288.00)
60	CONDUIT IN TRENCH, 2" GALV. STEEL	6.00	L.F.	\$5.00	\$30.00	6.00	\$30.00	0.00	\$0.00	(6.00)	(30.00)	(30.00)
61	CONDUIT IN TRENCH, 2.5" GALV. STEEL	7.00	L.F.	\$8.00	\$56.00	7.00	\$56.00	0.00	\$0.00	(7.00)	(56.00)	(56.00)
62	CONDUIT IN TRENCH, 4" GALV. STEEL	11.00	L.F.	\$13.00	\$143.00	11.00	\$143.00	0.00	\$0.00	(11.00)	(143.00)	(143.00)
63	REM & REINST. ELECT. CABLE FROM COND.	1,378.00	L.F.	\$1.20	\$1,653.60	1,378.00	\$1,653.60	340.00	\$408.00	(1,038.00)	(1,245.60)	(1,245.60)
64	CUT 7 SPLICE CONDUIT, 1.25" DIA	1.00	EA.	\$180.00	\$180.00	1.00	\$180.00	0.00	\$0.00	(1.00)	(180.00)	(180.00)
65	CUT 7 SPLICE CONDUIT, 2.5" DIA	1.00	EA.	\$190.00	\$190.00	1.00	\$190.00	0.00	\$0.00	(1.00)	(190.00)	(190.00)
66	CUT 7 SPLICE CONDUIT, 4" DIA	1.00	EA.	\$300.00	\$300.00	1.00	\$300.00	0.00	\$0.00	(1.00)	(300.00)	(300.00)
67	CONC. HANDHOLE, REM & REPLACE	1.00	EA.	\$1,100.00	\$1,100.00	1.00	\$1,100.00	0.00	\$0.00	(1.00)	(1,100.00)	(1,100.00)
68	DRILL CONCRETE HANDHOLE	2.00	EA.	\$145.00	\$290.00	2.00	\$290.00	0.00	\$0.00	(2.00)	(290.00)	(290.00)
69	DRILL EXISTING FOUNDATION	1.00	EA.	\$255.00	\$255.00	1.00	\$255.00	0.00	\$0.00	(1.00)	(255.00)	(255.00)
70	TEMP. TR. SIGNAL INSTALLATION	1.00	EA.	\$19,600.00	\$19,600.00	1.00	\$19,600.00	0.00	\$0.00	(1.00)	(19,600.00)	(19,600.00)
71	REM & REINST. EX. MAST ARM ASSEMBLY	1.00	EA.	\$800.00	\$800.00	1.00	\$800.00	0.00	\$0.00	(1.00)	(800.00)	(800.00)
73	SILT FENCE, SED. & EROS. CONTROL	450.00	L.F.	\$3.75	\$1,687.50	450.00	\$1,687.50	0.00	\$0.00	(450.00)	(1,687.50)	(1,687.50)
74	SILT FENCE, SED. & EROS. CONTROL	4,060.00	L.F.	\$1.50	\$6,090.00	7,060.00	\$10,590.00	7,067.00	\$10,600.50	7.00	10.50	10.50
76	EXCELSIOR BLANKET, EROS. CONTROL	920.00	S.Y.	\$1.50	\$1,380.00	920.00	\$1,380.00	0.00	\$0.00	(920.00)	(1,380.00)	(1,380.00)
77	UNPAVED INLET PROT., SEDIMENT CONTROL	19.00	EA.	\$60.00	\$1,140.00	19.00	\$1,140.00	0.00	\$0.00	(19.00)	(1,140.00)	(1,140.00)
78	PAVED INLET PROT., SEDIMENT CONTROL	46.00	EA.	\$15.00	\$690.00	46.00	\$690.00	0.00	\$0.00	(46.00)	(690.00)	(690.00)
79	ROCK AT CUL/DITCH CHECKS, ER. CONTROL	10.00	EA.	\$200.00	\$2,000.00	10.00	\$2,000.00	12.00	\$2,400.00	2.00	400.00	400.00

TRANSMISSION MAIN WEST
PARTIAL BALANCING CHANGE ORDER
ROSSI CONTRACTORS
201 WEST LAKE STREET
NORTHLAKE, IL 60164

TW-2

CHANGE ORDER NO. 44

FINAL BALANCING CHANGE ORDER

#	ITEM	ORIGINAL CONTRACT QUANTITY	UNIT	UNIT PRICE	ORIGINAL CONTRACT PRICE	AMENDED CONTRACT QUANTITY	AMENDED CONTRACT PRICE	FINAL CURRENT QUANTITY	FINAL TO DATE EXTENSION	FINAL BALANCING QUANTITY	FINAL ORDER EXTENSION	
84A	8" DI PIPE WATER MAIN	1,370.00	L.F.	\$52.55	\$71,993.50	1,370.00	\$71,993.50	1,386.00	\$72,834.30	16.00	840.80	840.80
84E	1" SERVICE CONNECTION, SHORT	9.00	EA.	\$1,500.00	\$13,500.00	9.00	\$13,500.00	6.00	\$9,000.00	(3.00)	(4,500.00)	(4,500.00)
84F	8" DI PIPE WATER MAIN	1,840.00	L.F.	\$37.60	\$69,184.00	1,840.00	\$69,184.00	1,839.00	\$69,146.40	(1.00)	(37.60)	(37.60)
84G	6" DI PIPE WATER MAIN	90.00	L.F.	\$37.60	\$3,384.00	90.00	\$3,384.00	67.00	\$2,519.20	(23.00)	(864.80)	(864.80)
84I	8" GATE VALVE & BOX	1.00	EA.	\$800.00	\$800.00	1.00	\$800.00	0.00	\$0.00	(1.00)	(800.00)	(800.00)
84L	1" SERVICE CONNECTION, LONG	12.00	EA.	\$2,000.00	\$24,000.00	12.00	\$24,000.00	9.00	\$18,000.00	(3.00)	(6,000.00)	(6,000.00)
84M	1" SERVICE CONNECTION, SHORT	12.00	EA.	\$1,500.00	\$18,000.00	12.00	\$18,000.00	10.00	\$15,000.00	(2.00)	(3,000.00)	(3,000.00)
85	STEEL SHEETING LEFT IN PLACE	1,000.00	S.F.	\$40.00	\$40,000.00	1,000.00	\$40,000.00	0.00	\$0.00	(1,000.00)	(40,000.00)	(40,000.00)
86	GRANULAR FOUNDATION MATERIAL	2,000.00	C.Y.	\$18.00	\$36,000.00	2,000.00	\$36,000.00	1,421.00	\$25,578.00	(579.00)	(10,422.00)	(10,422.00)
87	CLASS "SI" CONCRETE	200.00	C.Y.	\$72.55	\$14,510.00	200.00	\$14,510.00	29.00	\$2,103.95	(171.00)	(12,406.05)	(12,406.05)
88	CLASS "B" CONCRETE	300.00	C.Y.	\$61.50	\$18,450.00	300.00	\$18,450.00	50.00	\$3,075.00	(250.00)	(15,375.00)	(15,375.00)
89	LEVELING BINDER	3,000.00	TON	\$44.00	\$132,000.00	3,000.00	\$132,000.00	2,424.00	\$106,656.00	(576.00)	(25,344.00)	(25,344.00)
90	DIRECT BOND(CORR. CONT. DRG. #90)	2.00	EA.	\$9,000.00	\$18,000.00	2.00	\$18,000.00	0.00	\$0.00	(2.00)	(18,000.00)	(18,000.00)
91	GROUND BED DRAIN(CORR. CONT. DRG.#91)	2.00	EA.	\$11,000.00	\$22,000.00	2.00	\$22,000.00	0.00	\$0.00	(2.00)	(22,000.00)	(22,000.00)
92	ROCK EXCAVATION	100.00	C.Y.	\$50.00	\$5,000.00	100.00	\$5,000.00	72.00	\$3,600.00	(28.00)	(1,400.00)	(1,400.00)
93	PAVEMENT BASE, REM. & REPLACE	1,500.00	S.Y.	\$34.00	\$51,000.00	1,500.00	\$51,000.00	1,518.00	\$51,612.00	18.00	612.00	612.00
94	2" ADDITIONAL BIT. MIX	1,000.00	S.Y.	\$9.00	\$9,000.00	1,000.00	\$9,000.00	675.00	\$6,075.00	(325.00)	(2,925.00)	(2,925.00)
95	EXT. PR. COAT. CONC. PIPE SECTIONS	100.00	EA.	\$520.00	\$52,000.00	100.00	\$52,000.00	0.00	\$0.00	(100.00)	(52,000.00)	(52,000.00)
96	1" TYPE K COPPER WATER SERVICE	1,000.00	L.F.	\$30.00	\$30,000.00	1,000.00	\$30,000.00	0.00	\$0.00	(1,000.00)	(30,000.00)	(30,000.00)
97	VALVE VAULT, REM. & REPLACE	1.00	EA.	\$2,500.00	\$2,500.00	1.00	\$2,500.00	0.00	\$0.00	(1.00)	(2,500.00)	(2,500.00)
98	RELOCATE 2" GAS MAIN	280.00	L.F.	\$50.00	\$14,000.00	280.00	\$14,000.00	80.00	\$4,000.00	(200.00)	(10,000.00)	(10,000.00)
100	COND. IN TRENCH, 1.25" GALV. STEEL	250.00	L.F.	\$3.90	\$975.00	250.00	\$975.00	0.00	\$0.00	(250.00)	(975.00)	(975.00)
101	COND. IN TRENCH, 1.5" GALV. STEEL	50.00	L.F.	\$4.30	\$215.00	50.00	\$215.00	0.00	\$0.00	(50.00)	(215.00)	(215.00)
102	COND. IN TRENCH, 2" GALV. STEEL	60.00	L.F.	\$4.80	\$288.00	60.00	\$288.00	0.00	\$0.00	(60.00)	(288.00)	(288.00)
103	COND. IN TRENCH, 2.5" GALV. STEEL	60.00	L.F.	\$7.40	\$444.00	60.00	\$444.00	0.00	\$0.00	(60.00)	(444.00)	(444.00)
104	COND. IN TRENCH, 3" GALV. STEEL	60.00	L.F.	\$9.60	\$576.00	60.00	\$576.00	0.00	\$0.00	(60.00)	(576.00)	(576.00)
105	COND. IN TRENCH, 3.5" GALV. STEEL	60.00	L.F.	\$12.00	\$720.00	60.00	\$720.00	0.00	\$0.00	(60.00)	(720.00)	(720.00)
106	COND. IN TRENCH, 4" GALV. STEEL	20.00	L.F.	\$12.50	\$250.00	20.00	\$250.00	0.00	\$0.00	(20.00)	(250.00)	(250.00)
107	CONC. HANDHOLE, REM & REPL.	1.00	EA.	\$1,100.00	\$1,100.00	1.00	\$1,100.00	0.00	\$0.00	(1.00)	(1,100.00)	(1,100.00)
108	DETECTOR LOOP REPLACEMENT	200.00	L.F.	\$18.00	\$3,600.00	200.00	\$3,600.00	0.00	\$0.00	(200.00)	(3,600.00)	(3,600.00)
109	REM. ELECT CABLE FROM COND. & REINST.	500.00	L.F.	\$1.20	\$600.00	500.00	\$600.00	0.00	\$0.00	(500.00)	(600.00)	(600.00)
110	TRENCH & BACKFILL FOR ELECT. WORK	300.00	L.F.	\$3.40	\$1,020.00	300.00	\$1,020.00	0.00	\$0.00	(300.00)	(1,020.00)	(1,020.00)
CO2	SED. LOGS IN LIEU OF STRAW BALES	0.00	L.YD.	\$38.61	\$0.00	390.00	\$15,057.90	264.00	\$10,193.04	(126.00)	(4,864.86)	(4,864.86)
CO3	ADD. 3" BIT. CONC. IN W. CHICAGO	0.00	S.Y.	\$9.82	\$0.00	8,350.00	\$81,997.00	6,907.00	\$67,826.74	(1,443.00)	(14,170.26)	(14,170.26)
CO5	ADD PAVT. THICKNESS PER DUDOT											
	1. BIT. DRIVE.-GENEVA TO MAIN ST.	0.00	S.Y.	\$4.80	\$0.00	800.00	\$3,840.00	612.00	\$2,937.60	(188.00)	(902.40)	(902.40)
	2. BIT. SHOULDERS-GENEVA TO MAIN	0.00	S.Y.	\$13.85	\$0.00	1,000.00	\$13,850.00	962.00	\$13,323.70	(38.00)	(526.30)	(526.30)
CO8	CREDIT-66" DIA CASING INSTEAD 72"	0.00	L.F.	(\$10.00)	\$0.00	860.00	(\$8,600.00)	866.00	(\$8,660.00)	6.00	(60.00)	(60.00)
CO11	ADD AIR REL. VALVE & MH, ST.39+00	0.00	EA.	\$7,470.00	\$0.00	1.00	\$7,470.00	0.00	\$0.00	(1.00)	(7,470.00)	(7,470.00)
CO13	SEEDING AT 200LB/ACRE IN FOR. PR.	0.00	S.Y.	\$4.90	\$0.00	3,900.00	\$19,110.00	1,528.00	\$7,487.20	(2,372.00)	(11,622.80)	(11,622.80)
CO27	WINFIELD WORK											
	84SR-12" DIP WATER MAIN	0.00	L.F.	\$87.51	\$0.00	4,060.00	\$355,290.60	3,945.00	\$345,226.95	(115.00)	(10,063.65)	(10,063.65)
	84VR-AUGER FOR INST. OF MAIN	0.00	L.F.	\$300.00	\$0.00	75.00	\$22,500.00	80.00	\$24,000.00	5.00	1,500.00	1,500.00
	84WR-ASPHALT PAVT. REM & REPL.	0.00	S.Y.	\$34.00	\$0.00	156.00	\$5,304.00	0.00	\$0.00	(156.00)	(5,304.00)	(5,304.00)
										(529,540.19)	(830,292.04)	300,751.85

CHANGE ORDER NO. 44

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 463 calendar days, making the final completion date **October 14, 2004**.
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 West 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. 44

III. ADJUSTMENTS IN AMOUNT OF CONTRACT:

1.	Amount of Original Contract	<u>\$17,476,112.15</u>
2.	Net change due to previous Change Orders No.1 to 43	<u>\$ 831,328.62</u>
3.	Amount of Contract, not including this Change Order	<u>\$18,307,440.77</u>
4.	Deduction to Contract due to this Change Order	<u>(\$346,748.43)</u>
5.	Amount of Contract including this Change Order	<u>\$17,960,692.34</u>

RECOMMENDED FOR ACCEPTANCE: _____ (_____)
For Alvord, Burdick, & Howson Date
Consulting Engineers

ACCEPTED BY CONTRACTOR: Rossi Contractors

BY: _____ (_____)
Signature of Date
Authorized Representative

DUPAGE WATER COMMISSION:

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

**DuPage Water Commission
Hydraulic Analysis of Transmission
Main TIB-1**

October, 2004

**Consoer Townsend Envirodyne Engineers, Inc.
303 E. Wacker Drive
Chicago, IL 60601**

HYDRAULIC ANALYSIS OF TRANSMISSION MAIN TIB-1

Introduction

Consoer Townsend Envirodyne Engineers, Inc. (CTE) was retained by the DuPage Water Commission to perform a hydraulic analysis of the transmission main TIB-1, which is currently under construction. Transmission main TIB-1, when completed, will be a 72-inch diameter water main in Route 83 running from the existing 72-inch diameter main in Butterfield Road (TSW-2) north to the existing 72-inch diameter main in St. Charles Road (TNW-1).

The purpose of the hydraulic analysis was to determine if transmission main TIB-1 is beneficial to the existing system.

Hydraulic Analysis Results

Consoer Townsend Envirodyne Engineers, Inc. (CTE) utilized a computerized hydraulic model of the DuPage Water Commission's water transmission/distribution system, which was based on a previous computer model in H2O Net format and converted to the Haestad Methods Watercad, Version 6.5 format for this analysis.

CTE incorporated a "C" value of 95 for all of the pipes within the model.

CTE then ran the computerized hydraulic model utilizing various simulation scenarios as follows:

Scenario 1 – 2020 Average Day with a water main break on TSW-2 west of the DuPage Pump Station without TIB-1.

The pressures just east of the main break were about 140 psi. The extreme north eastern part of the system had pressures about 120 psi. There were several areas in the system with pressures about 60 psi.

Scenario 2 – 2020 Average Day with a water main break on TSW-2 west of the DuPage Pump Station with TIB-1.

Pressures just east of the main break were about 120 psi. There were fewer areas in the system with pressures around 60 psi. Most of the areas that were in the 60 psi pressure range in Scenario 1 were up to 80 psi.

Scenario 3 – 2020 Average Day with a water main break on TNW-1 west of the DuPage Pump Station without TIB-1.

Pressures were good throughout the system. Again, the pressure right outside of the pump station was about 60 psi.

Scenario 4 – 2020 Average Day with a water main break on TNW-1 west of the DuPage Pump Station with TIB-1.

There was virtually no change over Scenario 3.

Scenario 5 – Scenario 1 was investigated for velocities (without TIB-1).

There were extremely low velocities in the southern half of the system as tanks nos. 3 and 4 were draining in order to meet the demand.

Scenario 6 – Scenario 2 was investigated for velocities (with TIB-1).

Velocities were significantly higher in the southern half of the system as all four tanks were filling. However, velocities were extremely low in the extreme western edge of the system.

Scenario 7 – Scenario 3 was investigated for velocities (without TIB-1).

Velocities were extremely low in the northern half of the system as tanks nos. 1 and 2 were draining in order to meet the demand.

Scenario 8 – Scenario 4 was investigated for velocities (with TIB-1).

Velocities increased in the northern area as all four tanks were filling. However, velocities were still extremely low in the extreme western edge of the system.

Scenario 9 – 2020 Average Day with a water main break on TSW-2 west of TIB-1 without TBI-1.

Pressures were good throughout the system.

Scenario 10 – 2020 Average Day with a water main break on TSW-2 west of TIB-1 with TIB-1.

There was virtually no change over Scenario 9.

Scenario 11 – 2020 Average Day with a water main break on TNW-1 west of TN-1 without TIB-1.

Pressures were good throughout the system.

Scenario 12 – 2020 Average Day with a water main break on TNW-1 west of TN-1 with TIB-1.

There were virtually no changes over Scenario 11.

A summary of whether the tanks were filling or draining is as follows:

TSW-2 Main Break East of TIB-1

Tank No.	Without TIB-1		With TIB-1	
	Flow (mgd)	Fill/Drain	Flow (mgd)	Fill/Drain
1	5.4	Filling	1.8	Filling
2	4.0	Filling	1.2	Filling
3	10.9	Draining	4.5	Filling
4	13.0	Draining	5.0	Filling

TNW-1 Main Break East of TIB-1

Tank No.	Without TIB-1		With TIB-1	
	Flow (mgd)	Fill/Drain	Flow (mgd)	Fill/Drain
1	5.8	Draining	1.2	Filling
2	7.7	Draining	0.9	Filling
3	4.5	Filling	5.3	Filling
4	9.9	Filling	6.2	Filling

TSW-2 Main Break West of TIB-1

Tank No.	Without TIB-1		With TIB-1	
	Flow (mgd)	Fill/Drain	Flow (mgd)	Fill/Drain
1	4.0	Filling	4.3	Filling
2	2.8	Filling	3.3	Filling
3	1.1	Draining	0.6	Draining
4	0.6	Filling	0.5	Filling

TNW-1 Main Break West of TIB-1

Tank No.	Without TIB-1		With TIB-1	
	Flow (mgd)	Fill/Drain	Flow (mgd)	Fill/Drain
1	1.6	Filling	1.3	Filling
2	2.9	Draining	2.3	Draining
3	5.9	Filling	7.4	Filling
4	3.4	Filling	4.6	Filling

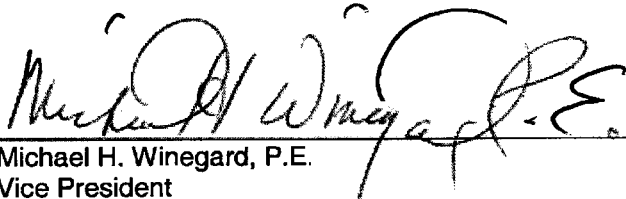
Hydraulic Analysis of Transmission Main TIB-1
Page 4

In conclusion, it appears that all four tanks fill during a TNW-1 or TSW-2 main break when TIB-1 is present as opposed to tanks 3 and 4 draining during a TSW-2 water main break and tanks 1 and 2 draining during a TNW-1 water main break without TIB-1. Also, if a water main break occurs west of Route 83, it doesn't appear that the break affects the system either way. On the other hand, if a break occurs east of Route 83, there is an increase in pressure leaving the pump station as there is only one main feeding the system instead of two mains. As an example of this, on a 2020 Average Day with no main breaks, the pressure at the pumps is 109 psi. If there is a water main break on TSW-2 east of Route 83, the pressure is 130 psi, however, if TIB-1 is installed, the pressure is 116 psi. Therefore, you can see the effect of TIB-1.

It is our understanding that TIB-1 is being installed for redundancy purposes in case of a break in either TSW-2 or TNW-1. If TIB-1 is not installed, the pressures coming out of the pump station during a water main break range from 130-140 psi. While this is acceptable, it is not recommended for a long period of time as it can lead to leaks in the system if done over an extended period. Also, each metering station has a pressure relief valve which would open at a higher pressure and all of these would have to be reset to the higher pressures while they lasted. Based on the results of the model, TIB-1 provides redundancy to the system which benefits all of the customers.

Report Prepared By:

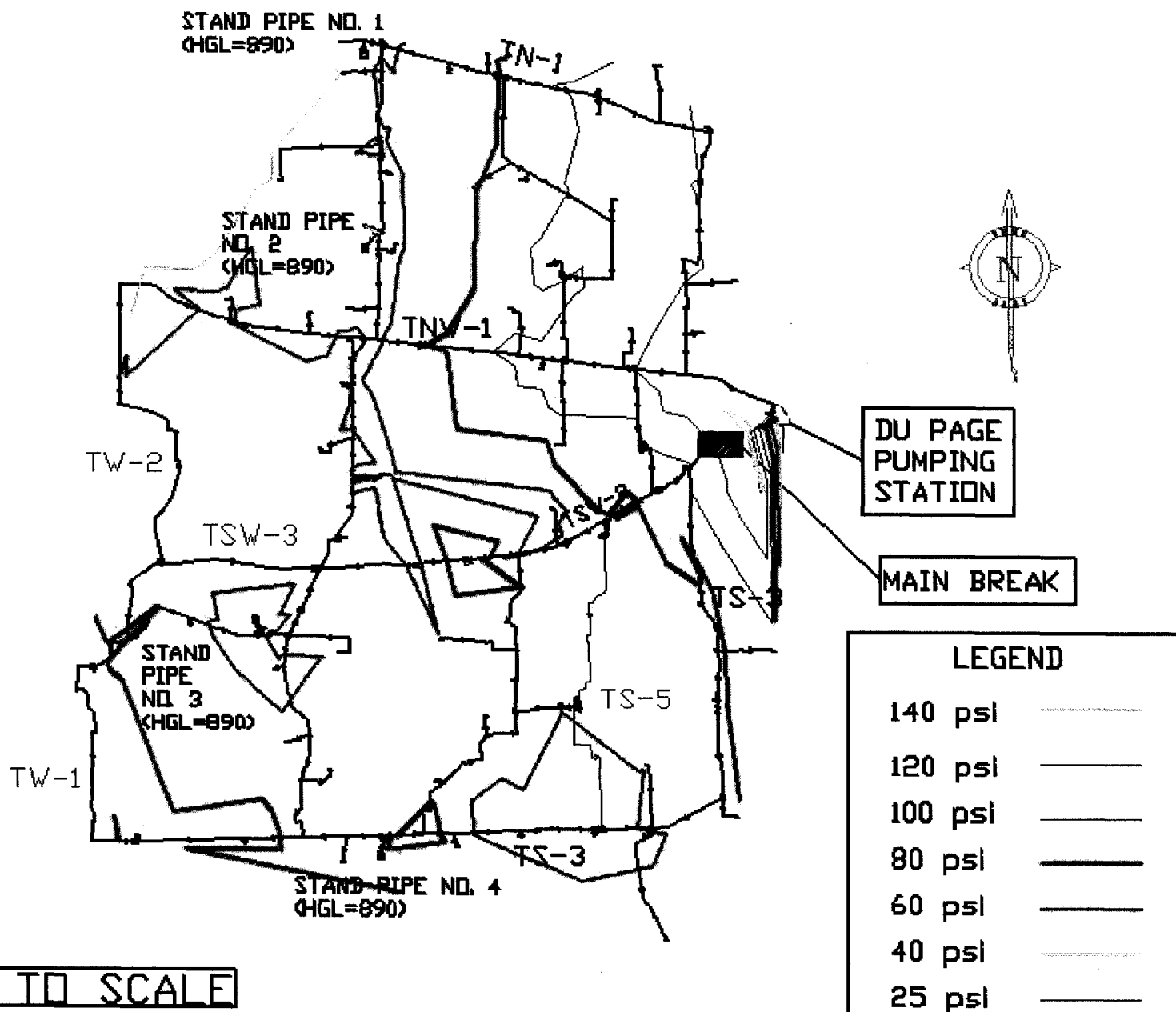
CONSOER TOWNSEND ENVIRODYNE ENGINEERS, INC.



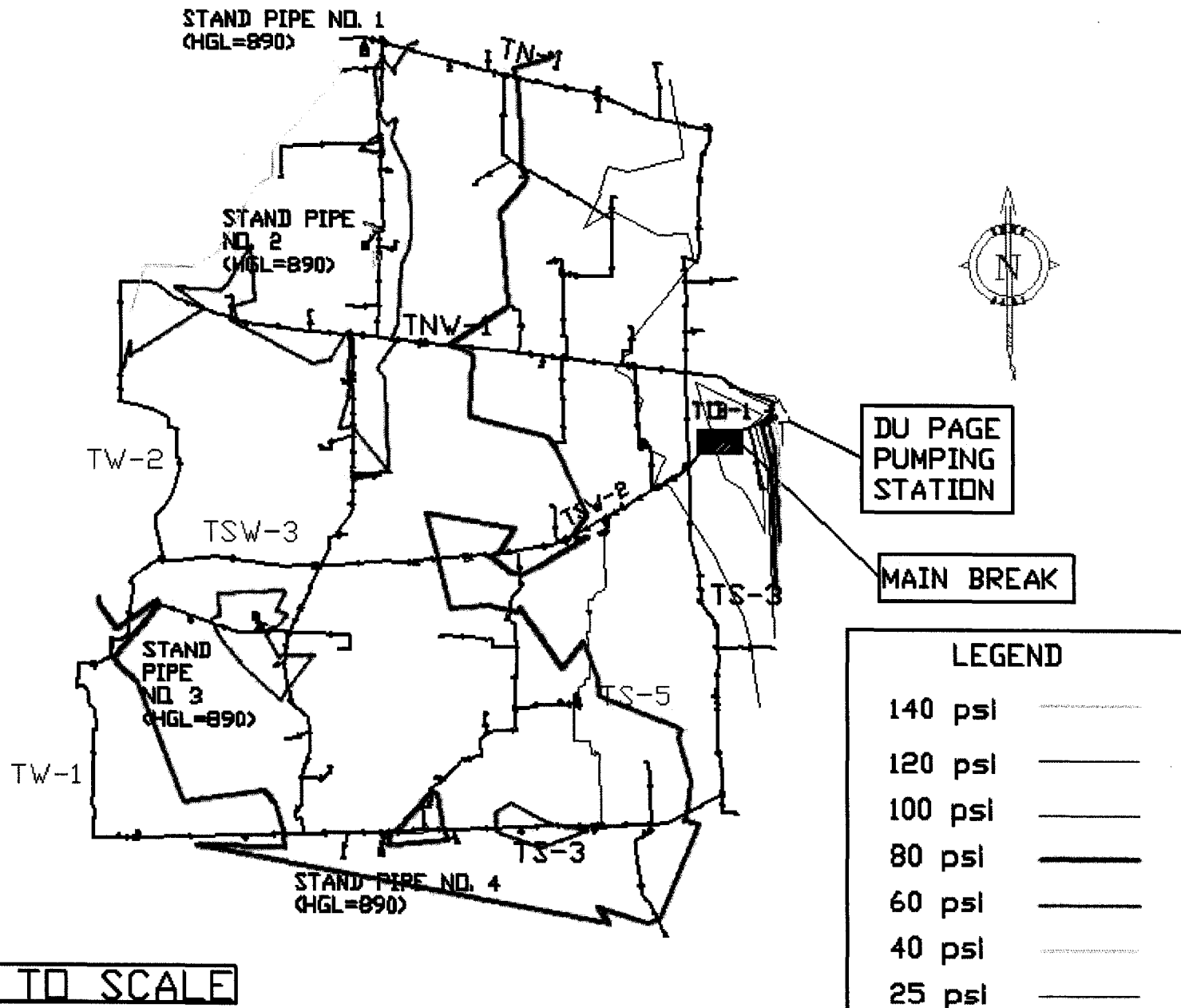
Michael H. Winegard, P.E.
Vice President

October 5, 2004

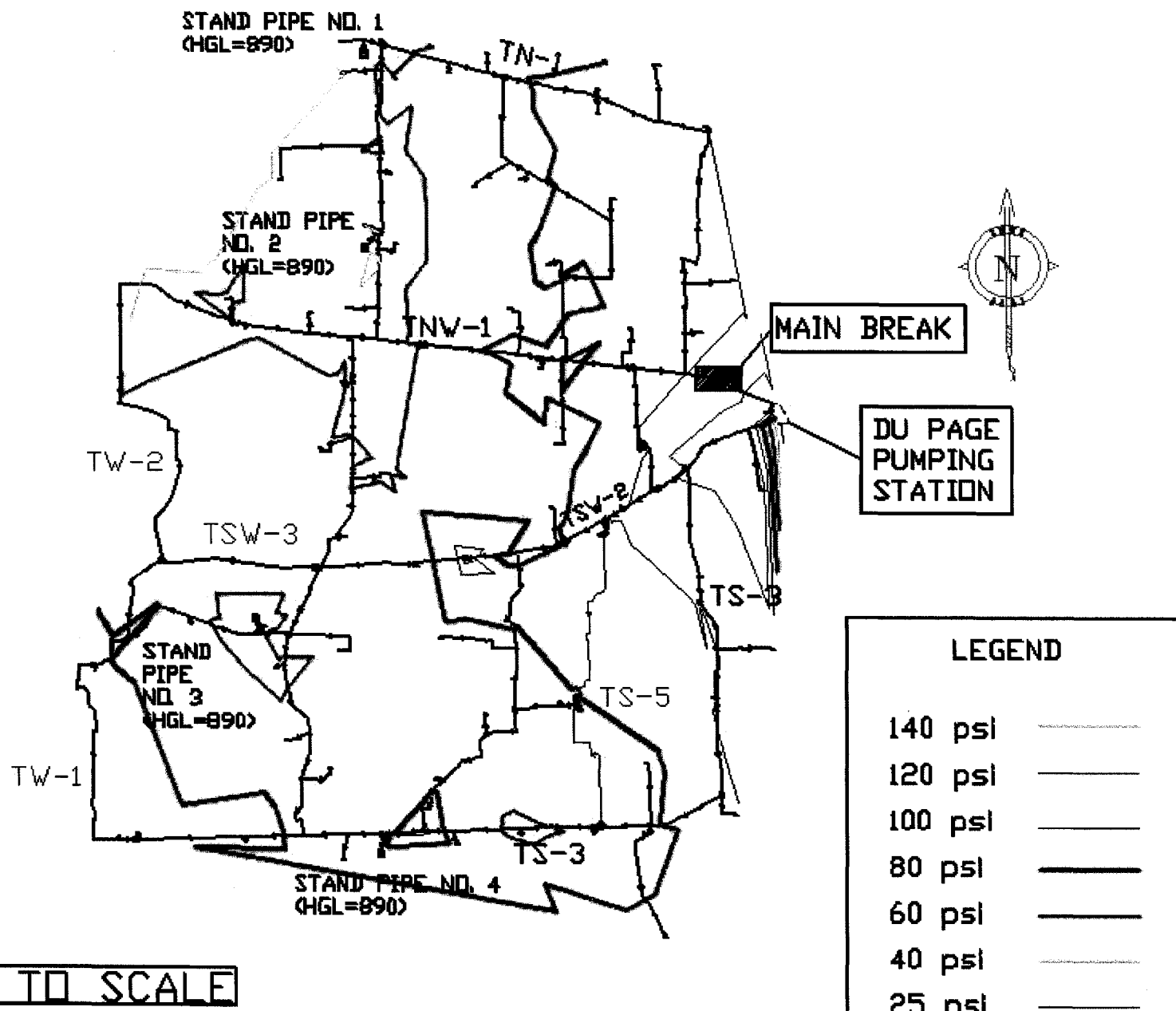
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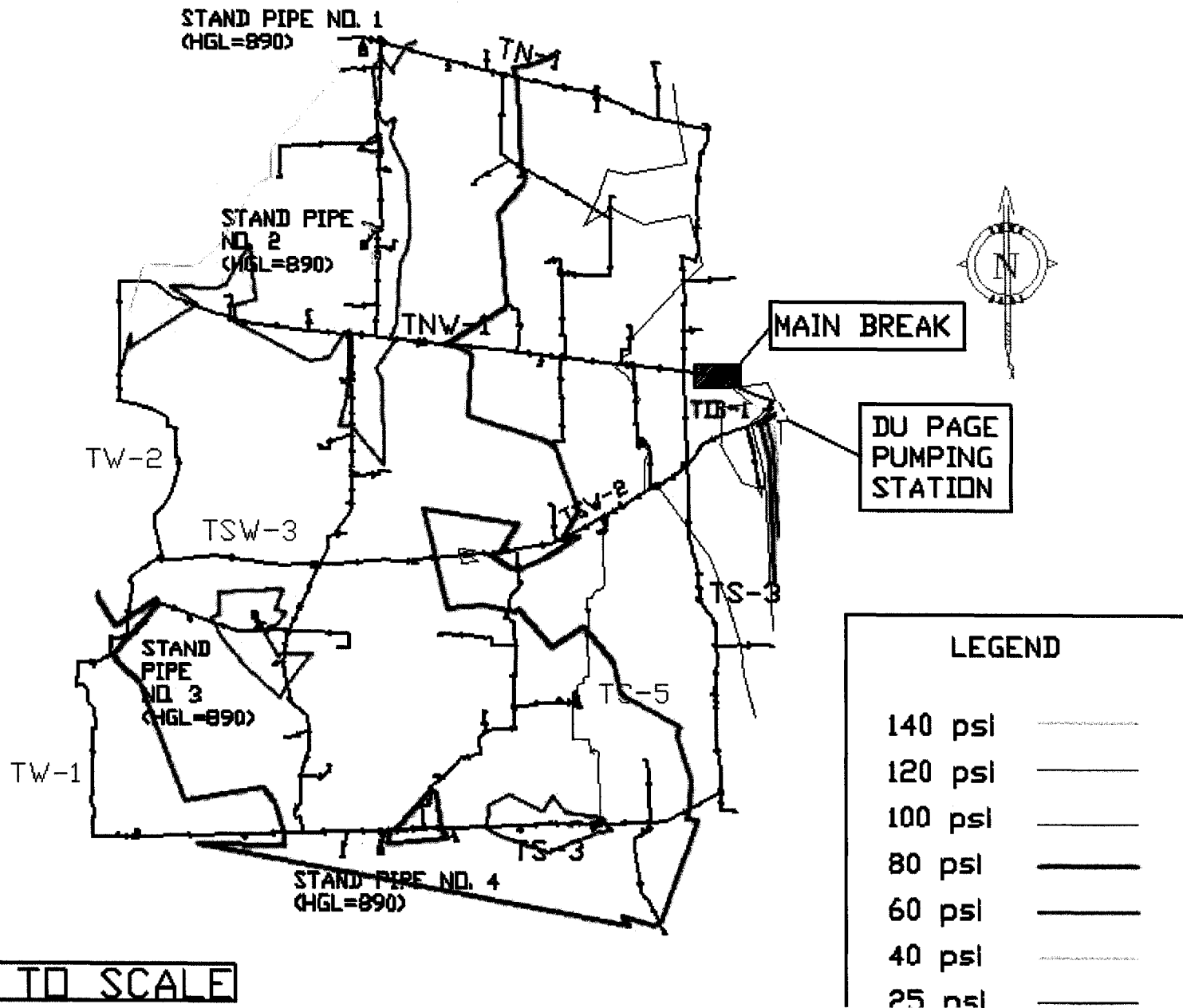
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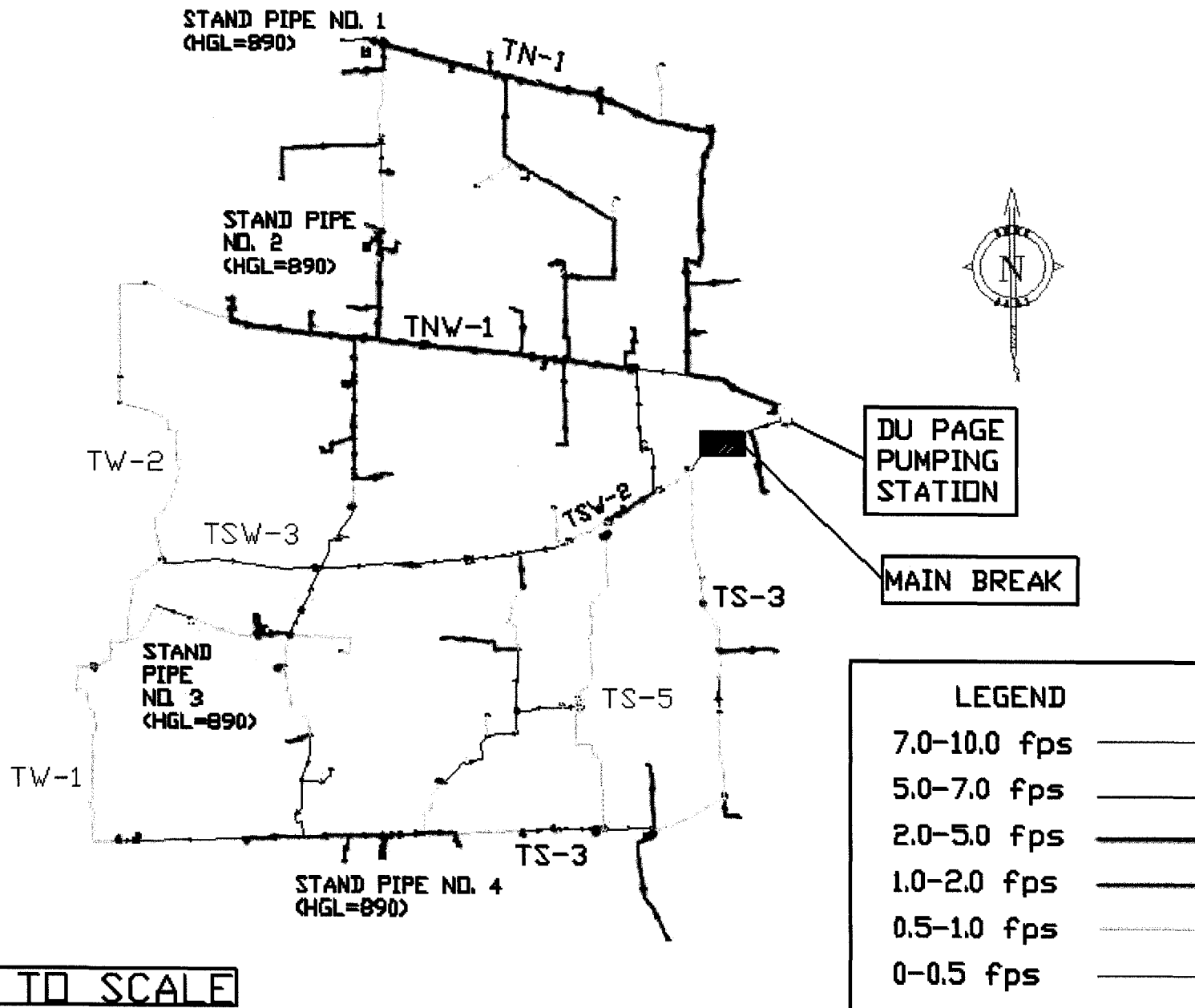
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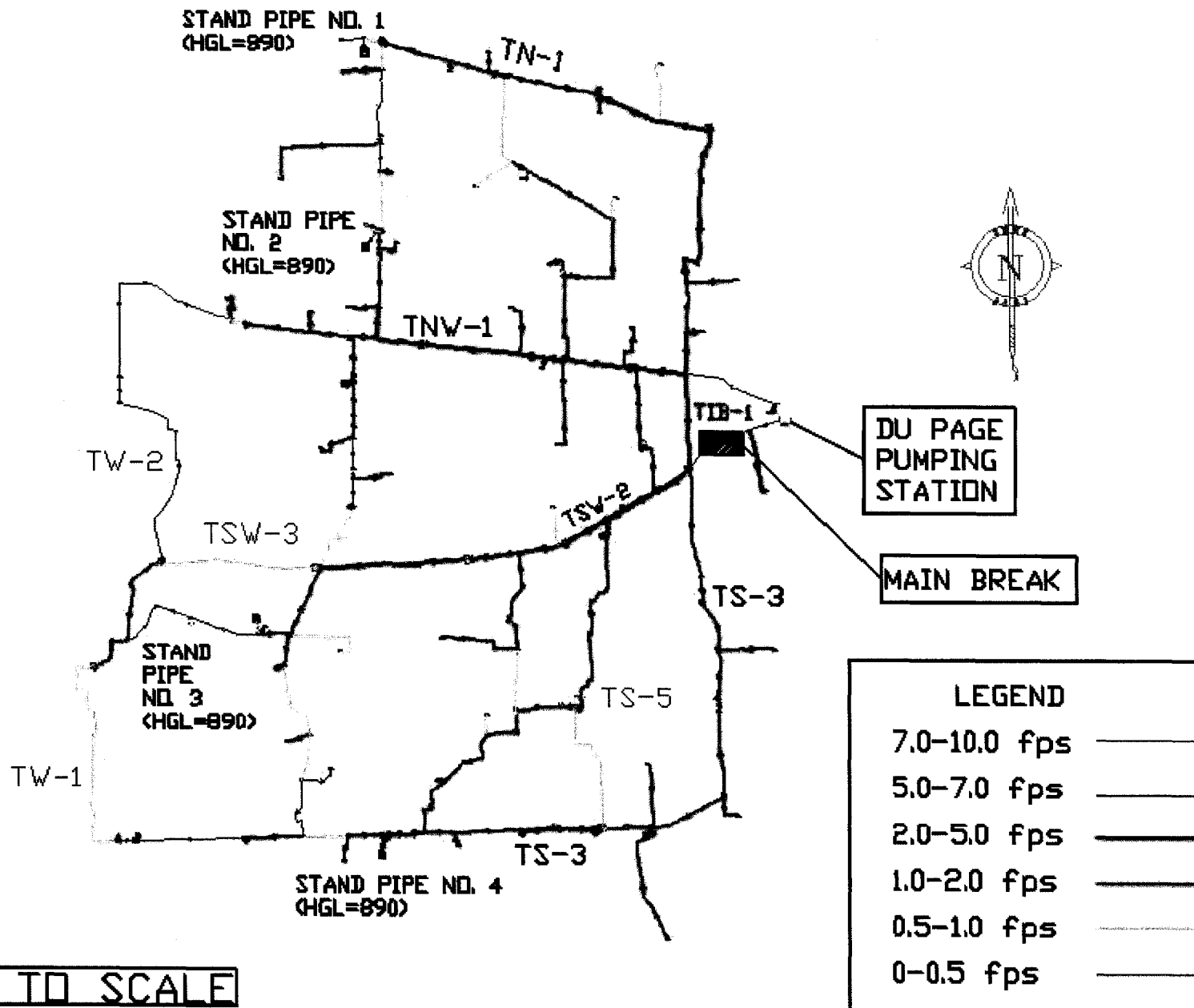
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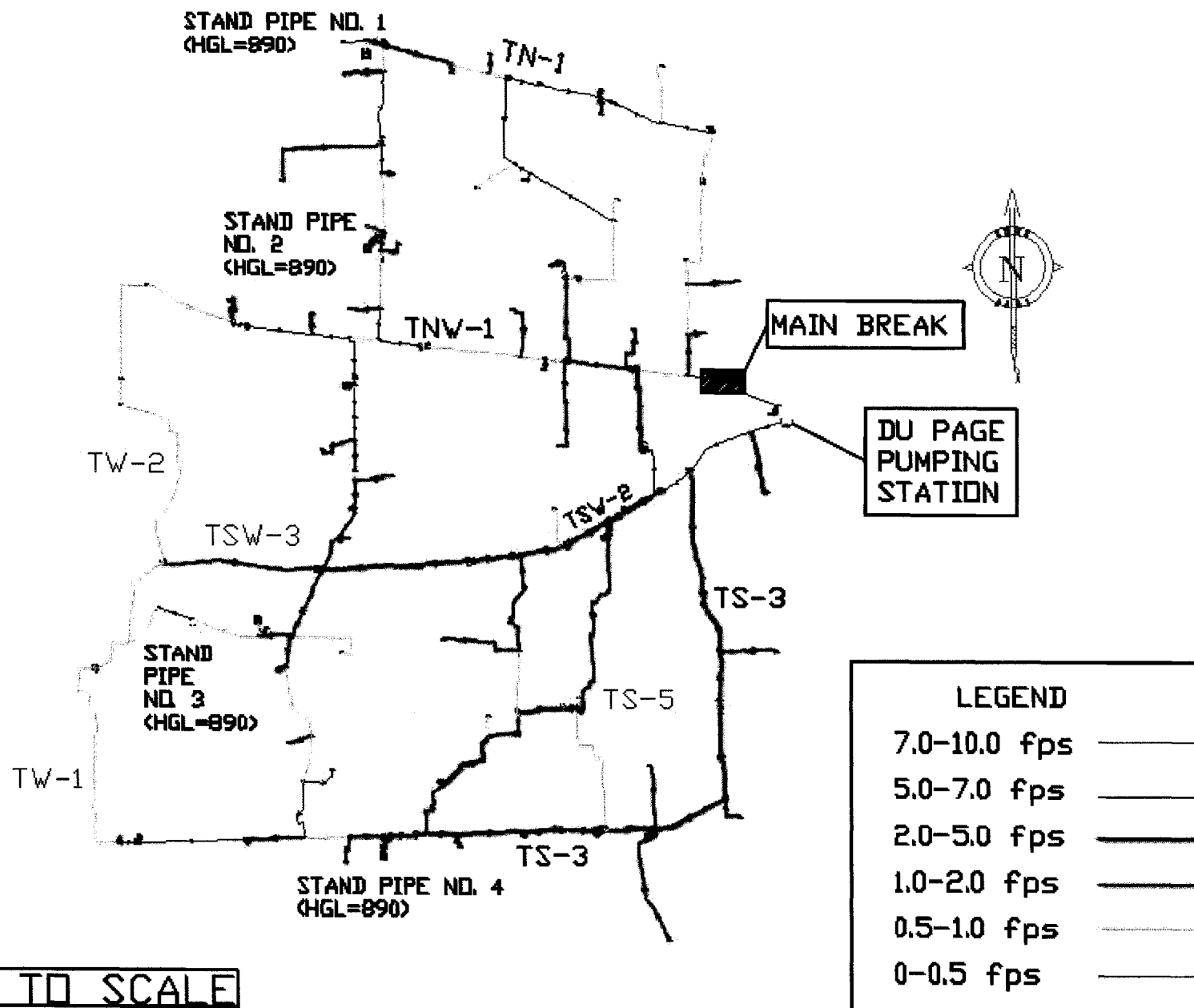
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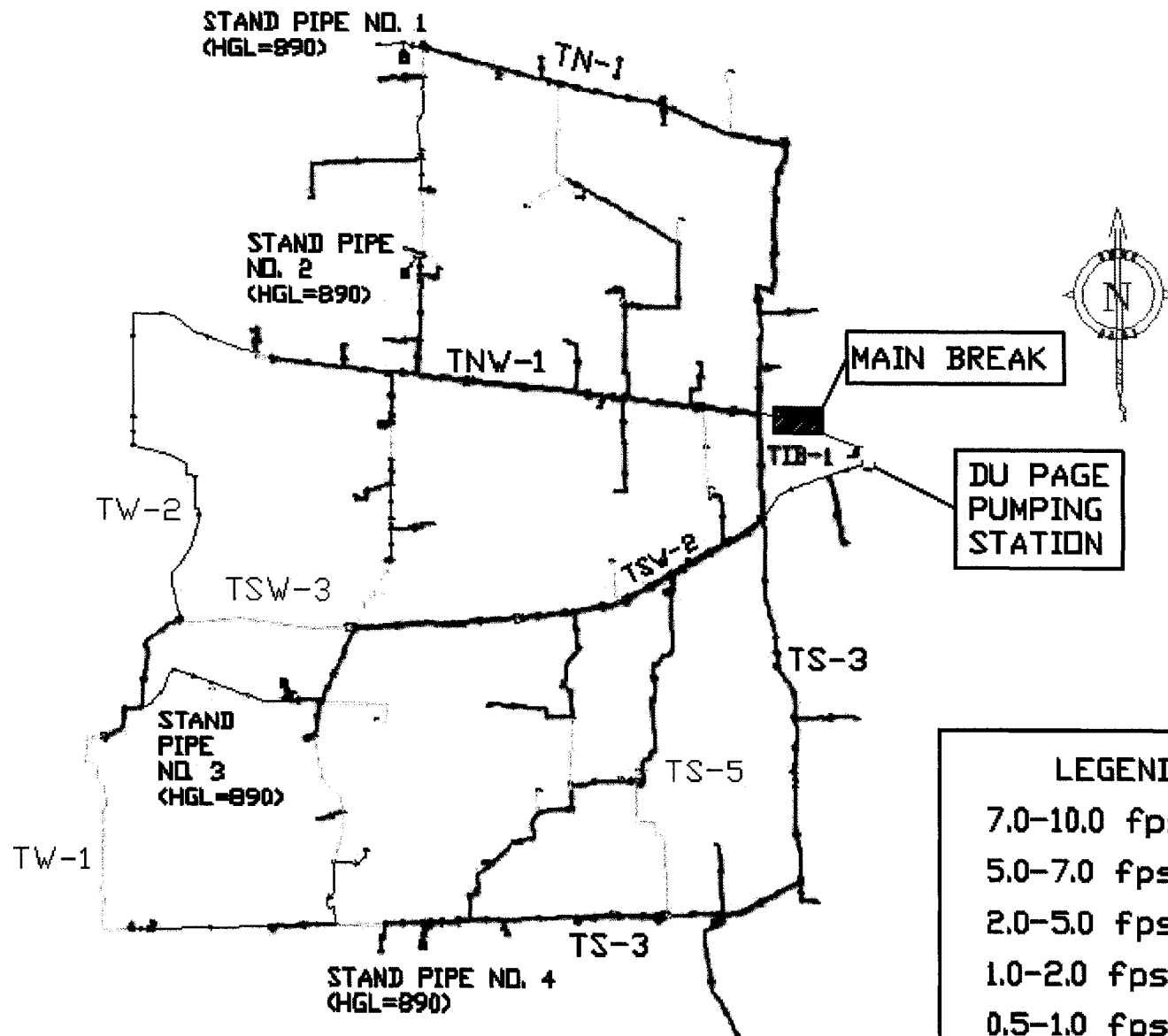
DWC - 2020 AVE DAY DEMAND MAIN BREAK ON TSW-2 WITH TIB-1



DWC - 2020 AVE DAY DEMAND MAIN BREAK ON TNW-2 WITHOUT TIB-1



DWC - 2020 AVE DAY DEMAND MAIN BREAK ON TNW-2 WITH TIB-1



NOT TO SCALE