

APPLICATION

1719

Permit Data Services Assignment Sheet

07-Apr-00

Application Number: 40-19451-6
~~4-069-0357AM2-ERP~~

Project Name: Legends Phase II

Date Received: 4/3/2000

Comments:

Application Complete: Yes

If Application is incomplete please check appropriate Box!

Authorization from Owner for Applicant: 5

Signatures: 5

Signature by Agent: 5

Copies of Application: 5

Location Map: 5

Fee: 1

Comments:

ROD PAKZADIAN	ENGINEER	ORL
BARBARA PRYNOSKI	ENVIRONMENTAL SPECIALIST	ORL

Data Capture Person: Lisette Bonilla

Date Routed: 4-7-2000 MP

Fee Receipt

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT

P. O. Box 1429

Palatka, FL 32178-1429

#4-069-0357AM2-ERP

Date: Apr. 03, 2000

By: Mary Pacheco

RECEIPT #: 8266

RECEIVED FROM: Farmer Barley

THE SUM OF: \$1,000.00

FOR: Application Fee

FEE DETAIL INFORMATION

F/A Receipt 0-020020-1 \$1,000.00

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT		0-R (8266) 020020-1	
P.O. Box 1429		DATE 4-3-2000	
Palatka, Florida 32178-1429			
RECEIVED FROM	Farmer Barley and Associates		
THE SUM OF	Legends Phase II	DOLLARS	\$1000.00
FOR	4-069-0357AM2-ERP		
AMOUNT OF ACCOUNT	\$		
AMOUNT PAID	\$		
BALANCE DUE	\$		
<input type="checkbox"/> CASH	<input checked="" type="checkbox"/> CHECK	<input type="checkbox"/> M.O.	<input type="checkbox"/> CREDIT CARD
		B. Proette Bonilla	
CK # 010680 Thank You!			



**FARNER
BARLEY** ▲ ENGINEERS
▲ SURVEYORS
▲ PLANNERS

AND ASSOCIATES, INC.

350 North Sinclair Avenue • Tavares, Florida 32778

Florida Choice Bank
Mount Dora, Florida 32757
63-1463/631

010630

CHECK DATE

March 29, 2000

PAY

One Thousand and 00/100 Dollars

AMOUNT \$1,000.00

TO

St. Johns River Water Management

FARNER BARLEY AND ASSOCIATES, INC.

M. Barbara Talbot
AUTHORIZED SIGNATURE

Security Check features included. Details on back.

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AND ASSOCIATES, INC.

350 North Sinclair Avenue • Tavares, Florida 32778

Emily Business Forms 800 / 392-6018 FORMAT ADVANTAGE

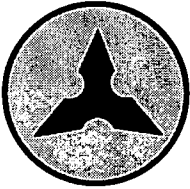
010630

Invoice Number	Date	Voucher	Amount	Discounts	Previous Pay	Net Amount
0002	3/29/00	0001356	1,000.00			1,000.00
St. Johns River Water Management FLORIDAC 2		Totals	1,000.00			1,000.00

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4-069-0357AM2-ELP
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**FARNER
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VIA FEDERAL EXPRESS

March 31, 2000

ST. JOHNS RIVER WATER MANAGEMENT DISTRICT
618 E. South Street
Orlando, Florida 32801

RE: LEGENDS PHASE II SUBMITTAL (FBA #961504.036)

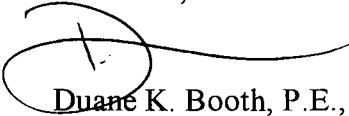
To Whom It May Concern:

Enclosed please find the following with regards to the above-referenced project:

1. Original and five (5) copies of the ERP stormwater permit application.
2. Five sets of construction drawings (signed, sealed, & dated).
3. Five (5) sets of Stormwater Calculations (signed, sealed & dated).
4. Five (5) Notice and Receipt Forms.
5. Check in the amount of \$1,000.00.

Should you have any questions with regards to this matter, please feel free to contact our office.

Sincerely,
FARNER, BARLEY & ASSOCIATES, INC.


Duane K. Booth, P.E., Project Engineer

DKB/am

Enclosures

cc: Mr. Rob Ahrens, Lennar Homes, Inc. (w/out encl.)

RECEIVED

APR 03 2000

4-069-0357AM2-ERP

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C:\My Documents\WordPerfect-9.0\KINGSRID\LEGENDS\Phase.2\SJR WMD\General\SUBMITTA.wp

FOR AGENCY USE ONLY

4-069-0357 AM 2-ERP

ACOE Application # _____ SJR Application # _____
 Date Application Received _____ Date Application Received 4-3-2000
 Proposed Project Lat _____ Fee Received \$ 1000.00
 Proposed Project Long _____ Fee Receipt # D-070020-1 (8266)
 Date Received _____ Project Use Codes _____
 Assigned Reviewers Panzadian Reviewer's Prynoski

SECTION A

Are any of the activities described in this application proposed to occur in, on, or over wetlands or other surface waters? yes X no

A. Type of Environmental Resource Permit Requested (check at least one)

- Noticed General - include information requested in Section B.
- Standard General (Single Family Dwelling) - include information requested in Sections C and D.
- Standard General (all other projects) - include information requested in Sections C and E.
- Individual (Single Family Dwelling) - include information requested in Sections C and D.
- Individual (all other projects) - include information requested in Sections C and E.
- Conceptual - include information requested in Sections C and E.
- Mitigation Bank Permit (construction) - include information requested in Sections C and F.
(If the proposed mitigation bank involves the construction of a surface water management system requiring another permit defined above, check the appropriate box and submit the information requested by the applicable section.)
- Mitigation Bank (conceptual) - include information requested in Sections C and F.
- Standard General Stormwater - include information requested in Sections C and H
- Individual Stormwater - include information requested in Sections C and H

B. Type of activity for which you are applying (check at least one)

- (Construction and operation of a new system including dredging or filling in, on or over wetlands and other surface waters.)
- Alteration and operation of an existing system which was not previously permitted by a WMD or DEP.
- Modification of a system previously permitted by a WMD or DEP. Provide previous permit numbers:
Permit #4-069-0357-ERP

- Alteration and operation of a system
- Abandonment of a system
- Removal of a system
- Extension of permit duration
- Construction and operation of additional phases of a system

C. Are you requesting authorization to use State Owned Submerged Lands? yes X no
(If yes, include the information requested in Section G.)

D. For activities in, on or over wetlands or other surface waters, check type of federal dredge and fill permit requested: N/A

- Individual
- General
- Programmatic General
- Nationwide

E. Are you claiming to qualify for an exemption? yes X no
If yes provide rule number if known _____

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APR 03 2000
4-069-0357 AM 2-ERP
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ORLANDO
SJR WMD.

OWNER(S) OF LAND	ENTITY TO RECEIVE PERMIT (IF OTHER THAN OWNER)
NAME ROBERT AHRENS	NAME
ADDRESS 1110 DOUGLAS AVENUE, SUITE 2040	ADDRESS
CITY, STATE, ZIP ALTAMONTE SPRINGS, FL 32714	CITY, STATE, ZIP
COMPANY AND TITLE LENNAR HOMES, INC. / VICE PRESIDENT	COMPANY AND TITLE
TELEPHONE (407) 682-9291 FAX (407) 682-1977	TELEPHONE FAX
AGENT AUTHORIZED TO SECURE PERMIT (IF AN AGENT IS USED)	CONSULTANT (IF DIFFERENT FROM AGENT)
NAME	NAME Duane K. Booth, P.E.
COMPANY AND TITLE	COMPANY AND TITLE Farner, Barley & Associates, Inc.
ADDRESS	ADDRESS 350 North Sinclair Avenue
CITY, STATE, ZIP	CITY, STATE, ZIP Tavares, Florida 32778
TELEPHONE () FAX ()	TELEPHONE (352) 343-8481 FAX (352) 343-8495
<p>Name of project, including phase if applicable: <u>LEGENDS PHASE II</u></p> <p>Is this application for part of a multi-phase project? <input checked="" type="checkbox"/> yes <input type="checkbox"/> no</p> <p>Total applicant-owned area contiguous to the project <u>403</u> ac</p> <p>Total project area for which a permit is sought <u>48.88</u> ac</p> <p>Impervious area for which a permit is sought <u>20.78</u> ac</p> <p>What is the total area (metric equivalent for federally funded projects) of work in, on or over wetlands or other surface waters? <u>N/A</u> acres <u> </u> square feet <u> </u> hectares <u> </u> square meters</p> <p>If a docking facility, the number of proposed new slips <u> </u></p> <p>Project location (use additional sheets, if needed)</p> <p>County(ies) <u>Lake</u></p> <p>Section(s) <u>5 & 8</u> Township(s) <u>23S</u> Range(s) <u>26E</u></p> <p>Section(s) <u> </u> Township(s) <u> </u> Range(s) <u> </u></p> <p>Land Grant name, if applicable <u>N/A</u></p> <p>Tax Parcel Identification Number <u>N/A</u></p> <p>Street address, road, or other location <u>LEGENDARY BLVD.</u></p> <p>City, Zip Code if applicable <u>CLERMONT, FL</u></p>	

Describe, in general terms, the proposed project, system or activity.

Surface Water Management System to serve 48.88 acre residential development.

If there have been any pre-application meetings, including at the project site, with regulatory staff, please list the date(s), location(s), and names of key staff and project representatives.

N/A

Please identify by number any MSSW/Wetland Resource/ERP/ACOE permits pending, issued or denied for projects at the location and any related enforcement actions.

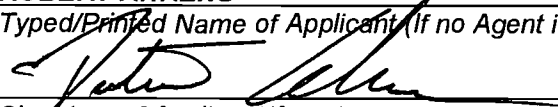
Agency	Date	No.\Type of Application	Action Taken(Pending/Issued/Denied)
N/A			

Note: The following information is required for projects proposed to occur in, on or over wetlands or other surface waters that need a federal dredge and fill permit and/or authorization to use state owned submerged lands. Please provide the names, addresses and zip codes of property owners whose property directly adjoins the project (excluding applicant). Please attach a plan view showing the owner's names and adjoining property lines. Attach additional sheets if necessary.

- | | |
|--------|----|
| 1. N/A | 2. |
| | |
| | |
| | |
| 3. | 4. |
| | |
| | |
| | |

By signing and submitting this application form, I am applying, or I am applying on behalf of the applicant, for the permit and any proprietary authorizations identified above, according to the supporting data and other incidental information filed with this application. I am familiar with the information contained in this application, and represent that such information is true complete and accurate. I understand this is an application and not a permit, and work prior to approval is a violation. I understand that this application and any permit issued or proprietary authorization issued pursuant thereto, does not relieve me of any obligation for obtaining any other required federal, state, water management district or local permit prior to commencement of construction. I agree, or I agree on behalf of my corporation, to operate and maintain the permitted system unless the permitting agency authorizes transfer of the permit to a responsible operation entity. I understand that knowingly making any false statement or representation in this application is a violation of Section 373.430, F.S., and 18 U.S.C. Section 1001.

ROBERT AHRENS
Typed/Printed Name of Applicant (If no Agent is used) or Agent (If one is so authorized below)


Signature of Applicant/Agent Date

VICE PRESIDENT
(Corporate Title if applicable)

AN AGENT MAY SIGN ABOVE ONLY IF, THE APPLICANT COMPLETES THE FOLLOWING:

I hereby designate and authorize the agent listed above to act on my behalf, or on behalf of my corporation, as the agent in the processing of this application for the permit and/or proprietary authorization indicated above; and to furnish, on request, supplemental information in support of the application. In addition, I designate and authorize the above-listed agent to bind me, or my corporation, to perform any requirement which may be necessary to procure the permit or authorization indicated above. I understand that knowingly making any false statement or representation in this application is a violation of Section 373.430, F.S., and 18 U.S.C. Section 1001.

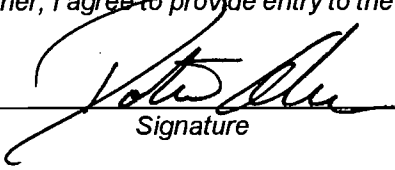
Typed/Printed Name of Applicant Signature of Applicant Date

(Corporate Title if applicable)

Please note: The applicant's original signature (not a copy) is required above.

PERSON AUTHORIZING ACCESS TO THE PROPERTY MUST COMPLETE THE FOLLOWING:

I either own the property described in this application or I have legal authority to allow access to the property, and I consent, after receiving prior notification, to any site visit on the property by agents or personnel from the Department of Environmental Protection, the Water Management District and the U.S. Army Corps of Engineers necessary for the review and inspection of the proposed project specified in this application. I authorize these agents or personnel to enter the property as many times as may be necessary to make such review and inspection. Further, I agree to provide entry to the project site for such agents or personnel to monitor permitted work if a permit is granted.

ROBERT AHRENS
Typed/Printed Name  Date
Signature

VICE PRESIDENT
(Corporate Title if applicable)

**LEGENDS PHASE II
STORMWATER CALCULATIONS
FBA NO. 961504.036**

**FARNER, BARLEY & ASSOCIATES, INC.
350 NORTH SINCLAIR AVENUE
TAVARES, FLORIDA 32778**

**BY: DUANE K. BOOTH, P.E.
FLORIDA REG. NO. 44631**

DATE: MAR 31 2000

RECEIVED

APR 03 2000

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TABLE OF CONTENTS

1. Maps
 - A. Location
 - B. USGS
 - C. Soils
2. Project Summary
3. Developed Site Conditions
4. Storm Sewer Tabulations
5. Inlet Spread Calculations
6. Legends Stormwater Calculations
7. Curve Number Map

MAPS



Scale: 1"=2000'

1000' 0' 1000'



LAKE MINNEHAHA

ANDERSON RD.

HILL

LAKE SHORE DRIVE

JOHN'S LAKE ROAD

HANCOCK ROAD

31 32
8 5

32 33
5 4

33 34
4 3

LAKE FELTER

8 5
7 8

5 4
8 9

4 3
9 10

SITE

DANBURY MILL BLVD

27

25

HARTWOOD MARSH ROAD

PALATKAHA RIVER

LAKE LOUISA ROAD

LAKE LOUISA

7 8
18 17

8 9
17 18

9 10
16 15



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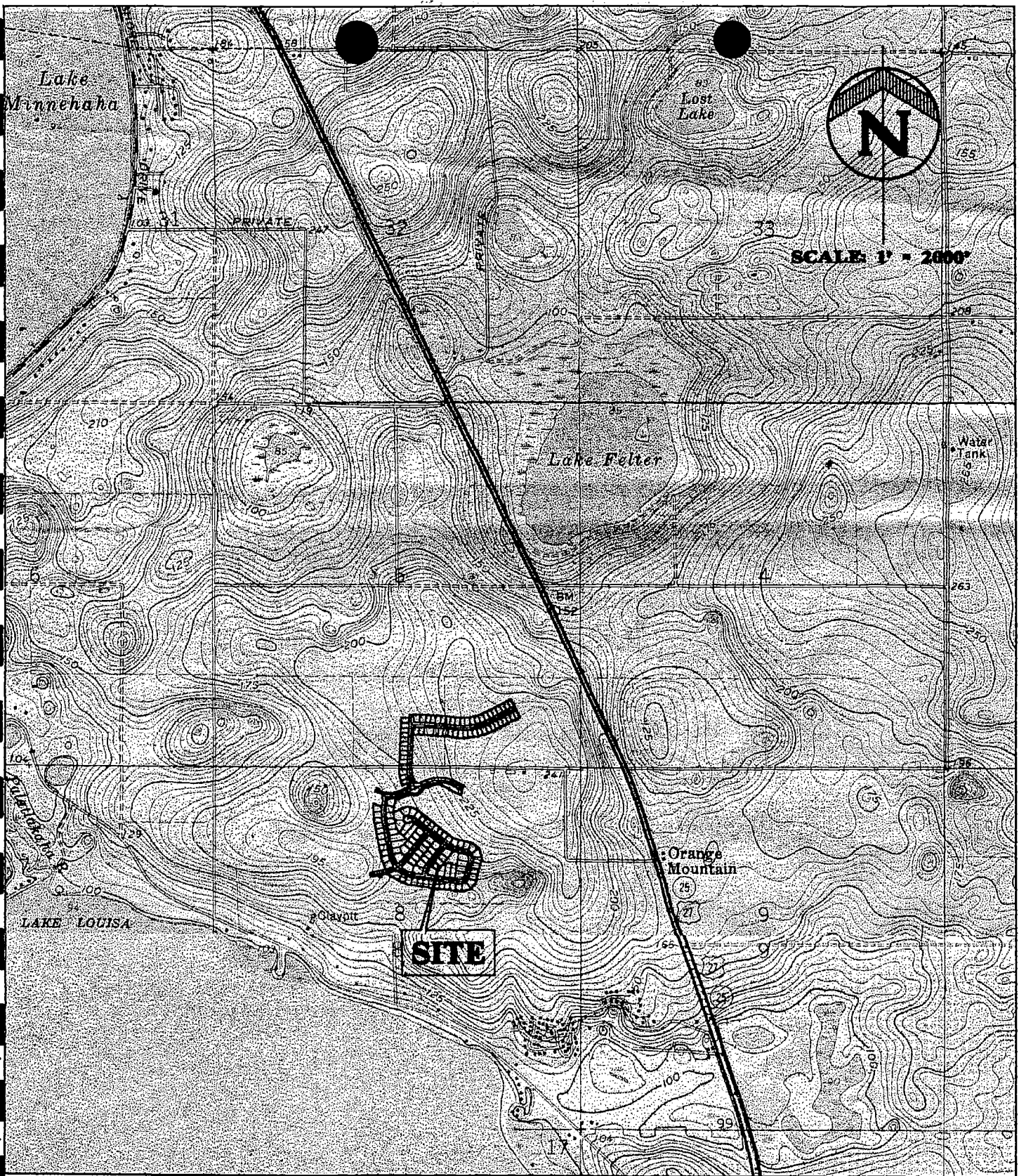
880 North Bradley Avenue • Tallahassee, Florida 32310 • (904) 948-8401

**LEGENDS PHASE II
AT CLERMONT**

LOCATION MAP

DATE: MARCH 26, 2000

JOB NO. 961804.036



**CLERMONT EAST QUADRANGLE FLORIDA
LAKE LOUISA EAST QUADRANGLE FLORIDA**



**FORNER
BARLEY
AND ASSOCIATES, INC.**

▲ ENGINEERS
▲ SURVEYORS
▲ PLANNERS

303 North Brickell Avenue • Tampa, Florida 33776 • (813) 343-6481

**LEGENDS PHASE II
AT CLERMONT**

USGS MAP

DATE MARCH 26, 2000

JOB NO. 96504.036




**FARNER
BARLEY
AND ASSOCIATES, INC.**
 200 North Brinkley Avenue • Tampa, Florida 33778 • (813) 343-9481

**LEGENDS PHASE II
AT CLERMONT**
SOILS MAP

DATE: MARCH 26, 2000
JOB NO. 961504.036

BEST AVAILABLE COPY

PROJECT SUMMARY

**LEGENDS PHASE II
PROJECT SUMMARY**

Legends Phase II consists of 147 lots in 48.88 acres with the associated stormwater conveyance system. This project lies within the Legends Planned Unit Development for which a Master Stormwater Plan has been previously permitted to which a St. John's Individual permit was issued. Permit No. 4-069-0357-ERP. The developed site condition summary shows that the actual curve number to date including this project is lower than the curve numbers assumed for build-out within these stormwater calculations permitted under the above referenced project. A modification was issued for Phase I construction consisting of 133 lots. Permit No. 4-069-0357M-ERP.

DEVELOPED SITE CONDITIONS

**LEGENDS PHASE II
DEVELOPED SITE CONDITION**

Project Area = 48.88 Ac.
 Impervious Area = 20.78 Ac. (42.52%)
 CN = 42.52% x 98 (Impervious)
 = 50.00% x 39 (Grass Good Condition 'A' Soils)
 Weighted CN = 64.1

Project within Previously Permitted Basins

7, 10, 11, 12, 16, 18, 19, 20, 21, 23

BASIN SUMMARY

BASIN	AREA (Ac)	CN (Permitted)	CN (Actual) including this phase	BASIN STATUS
7	32.65	51	48	98% Complete
10	13.60	53	50	75% Complete
11	11.52	52	48	80% Complete
12	14.39	53	47	60% Complete
16	17.16	56	53	100% Complete
18	24.03	54	48	91% Complete
19	11.26	51	49	98% Complete
20	8.70	51	48	96% Complete
21	23.79	57	44	7% Complete
23	50.90	50	40	2% Complete

STORM SEWER TABULATIONS

Outlet



P-3

D-3



P-2

D-2



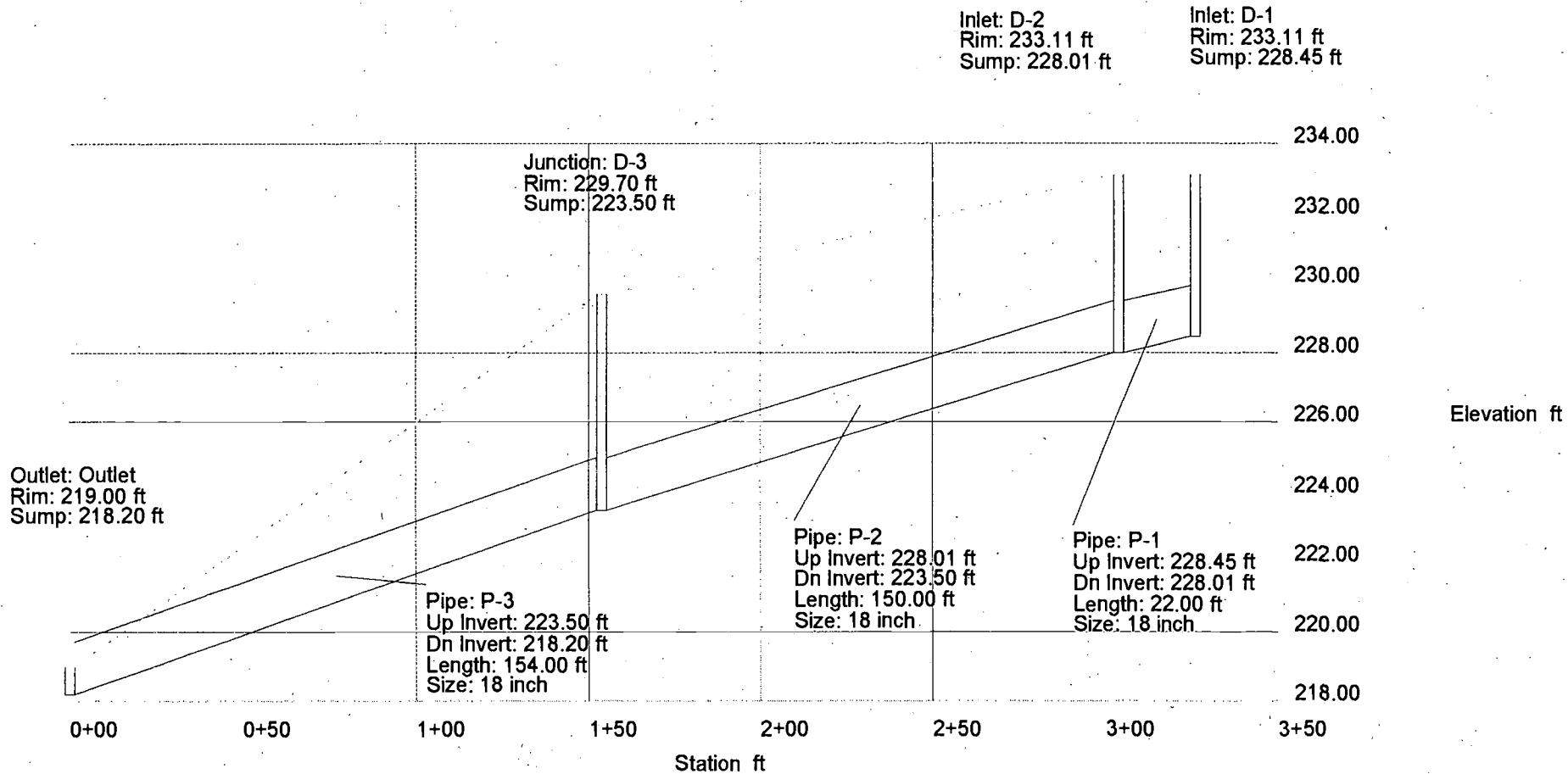
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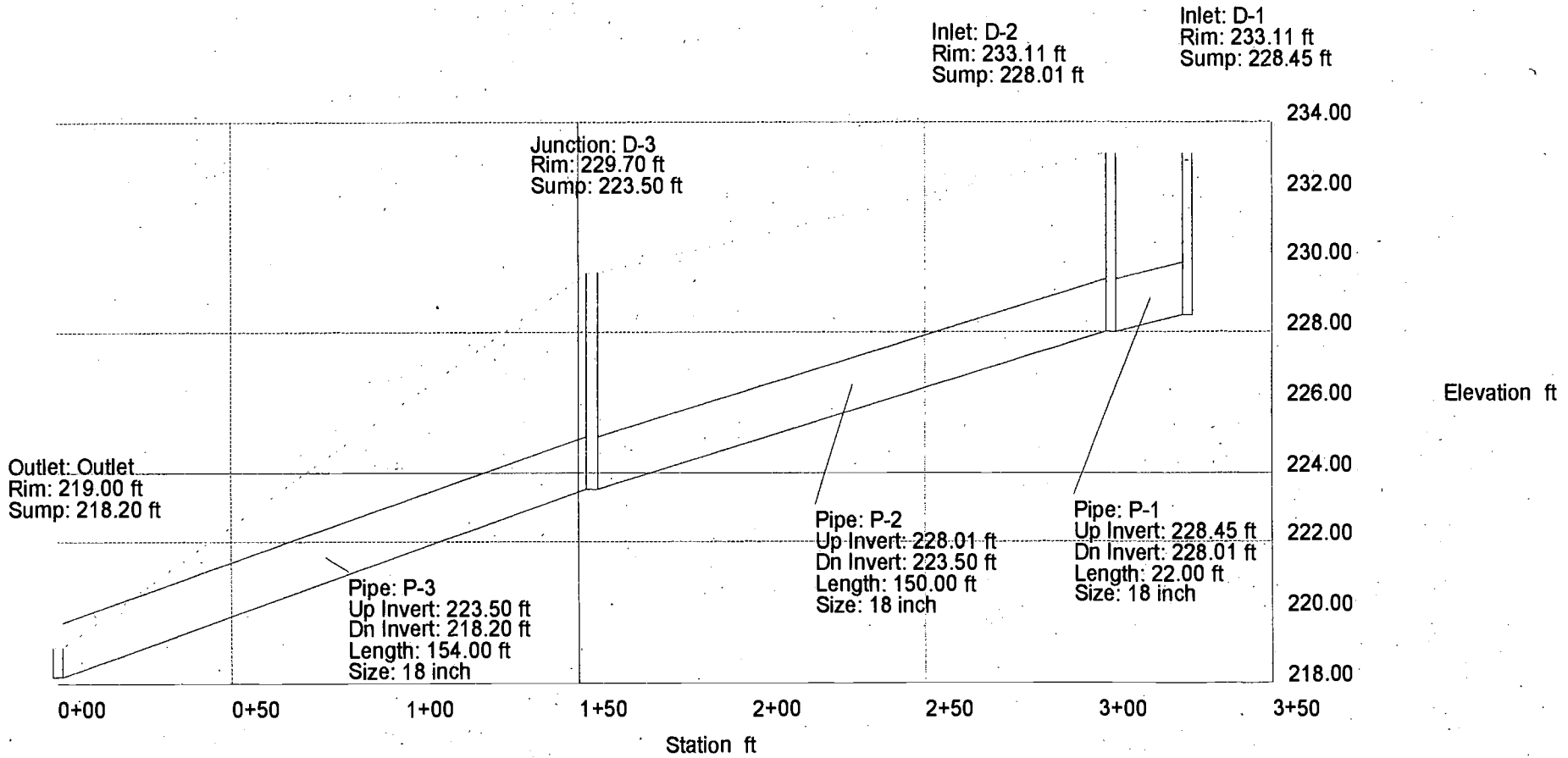
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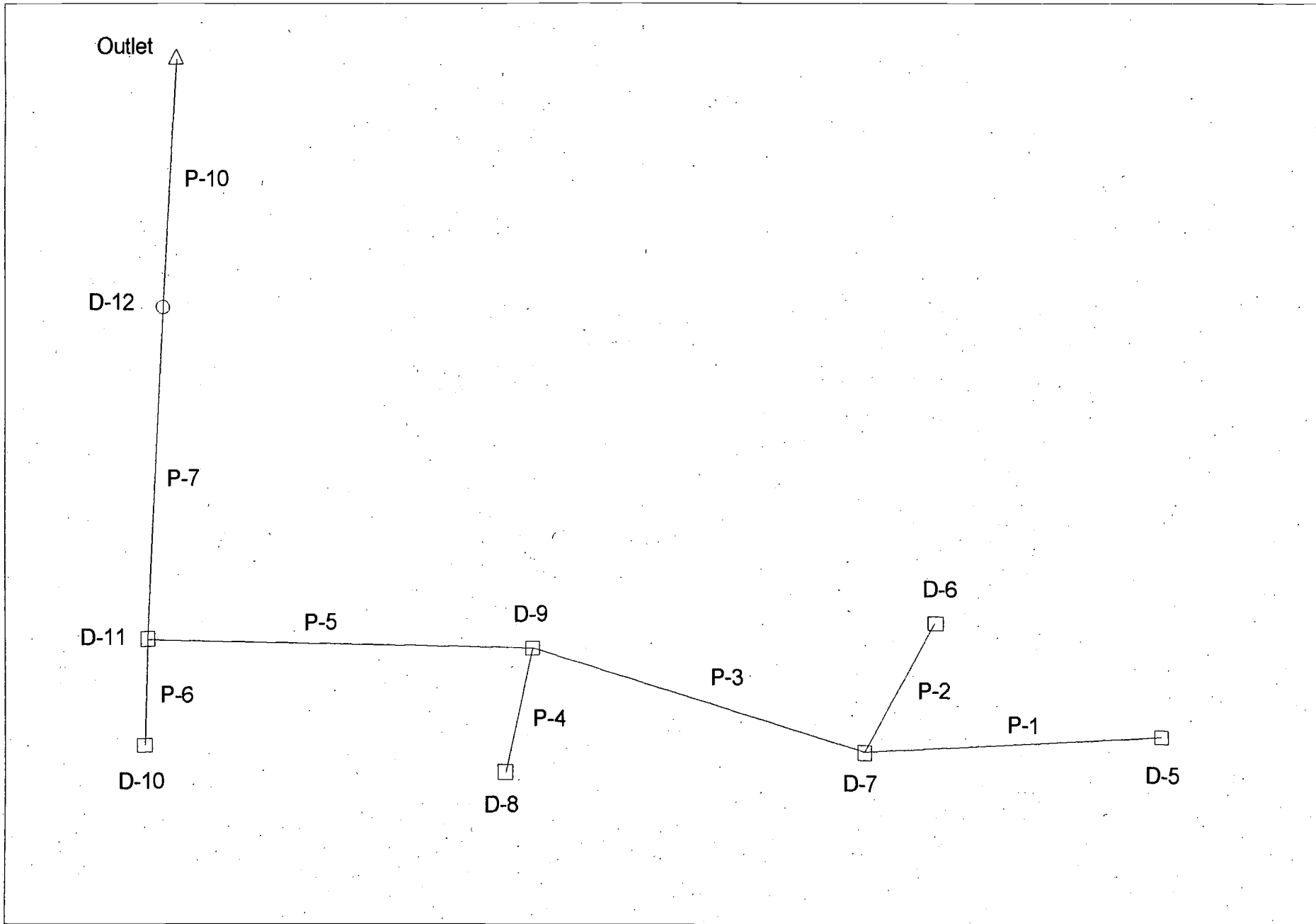


Combined Pipe/Node Report

Pipe	Upstream Node	Downstream Node	Length (ft)	Inlet Area (acres)	Inlet C	Inlet CA (acres)	Total CA (acres)	Inlet Discharge (cfs)	Section Size	Capacity (cfs)	Average Velocity (ft/s)	Upstream Invert Elevation (ft)	Downstream Invert Elevation (ft)	Constructed Slope (ft/ft)	Inlet TC (min)
P-1	D-1	D-2	22.00	1.96	0.48	0.94	0.94	6.92	18 inch	14.85	5.19	228.45	228.01	0.020000	10.00
P-2	D-2	D-3	150.00	0.34	0.49	0.17	1.11	1.23	18 inch	18.21	5.33	228.01	223.50	0.030067	10.00
P-3	D-3	Outlet	154.00	N/A	N/A	N/A	1.11	N/A	18 inch	19.49	8.14	223.50	218.20	0.034416	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	1.11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

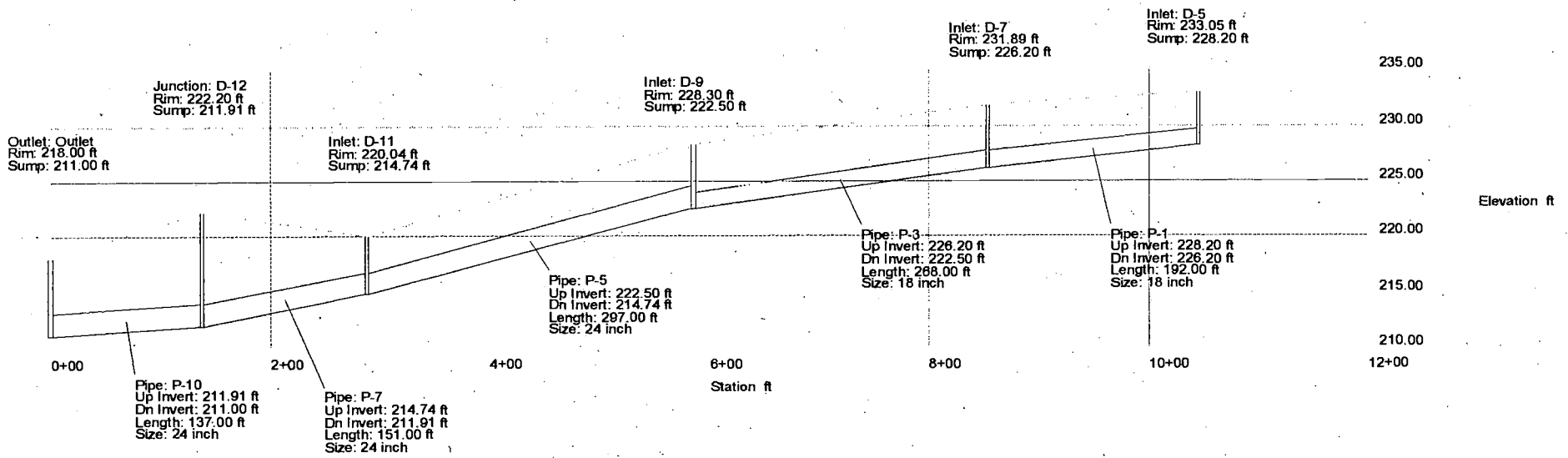


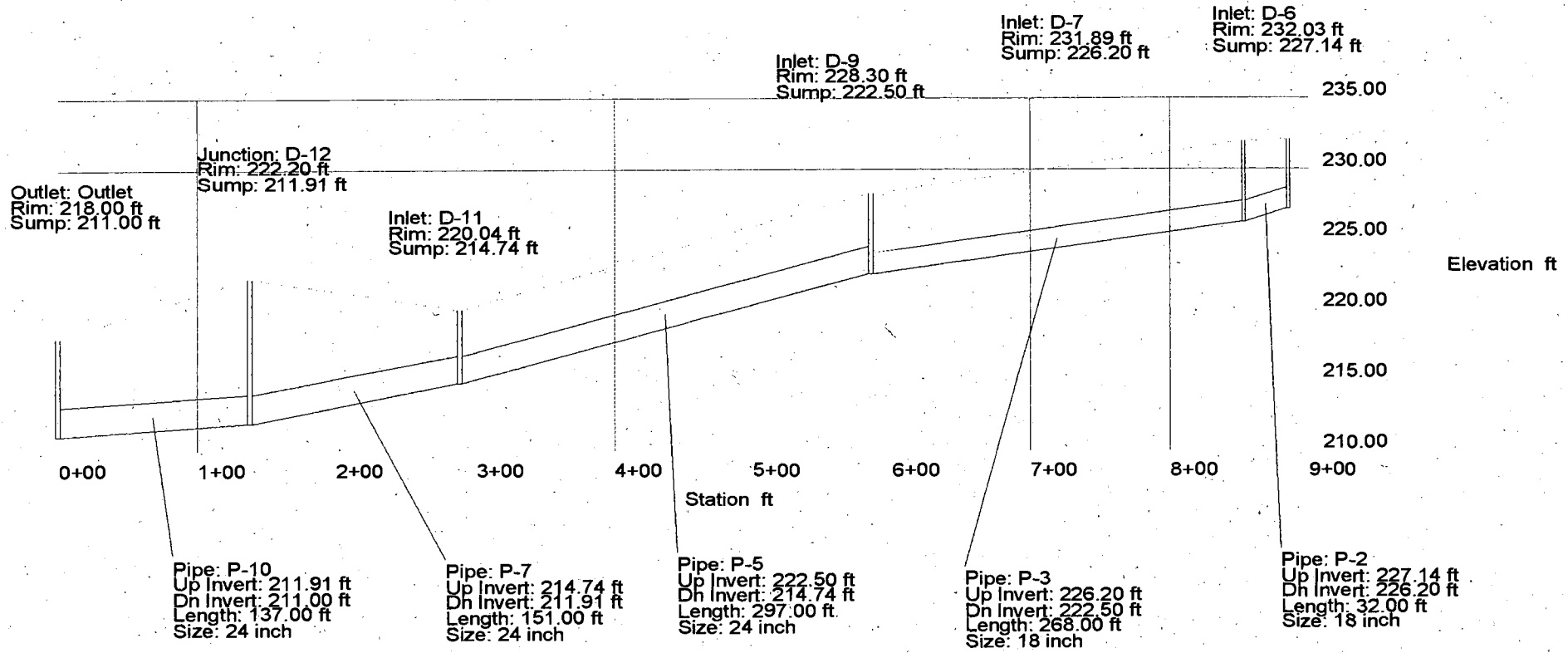


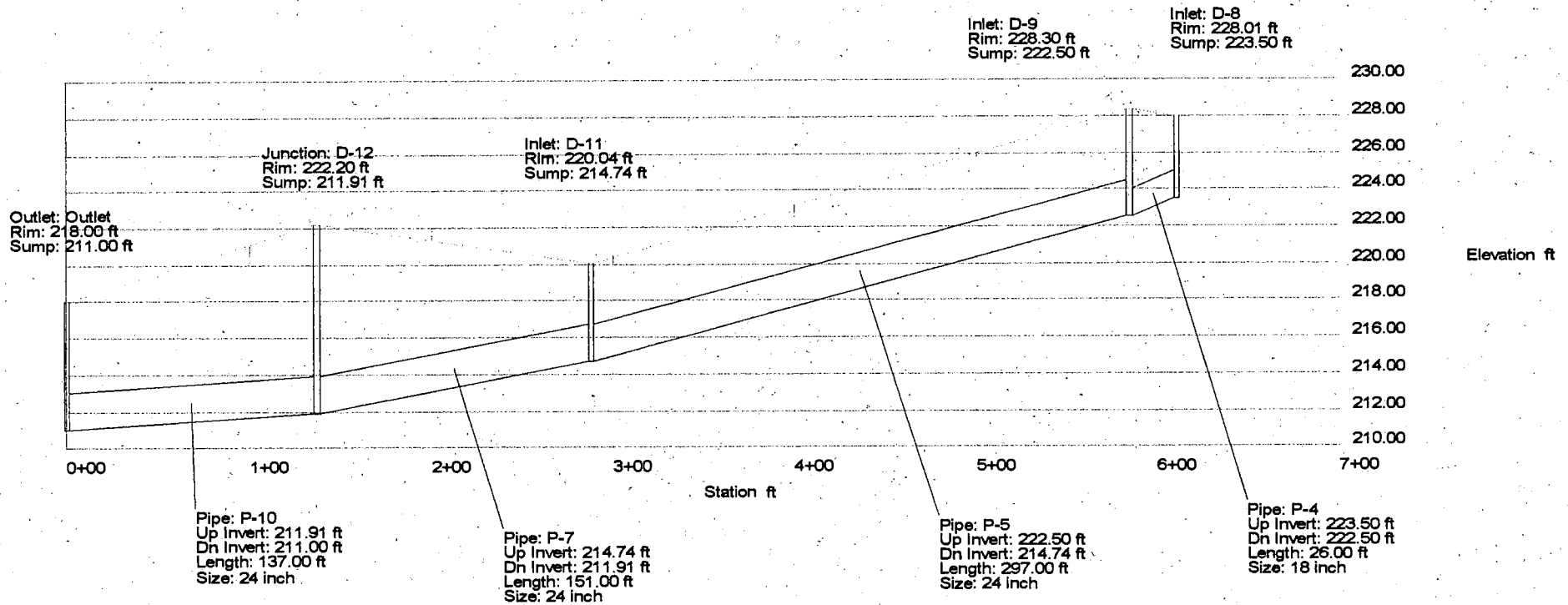


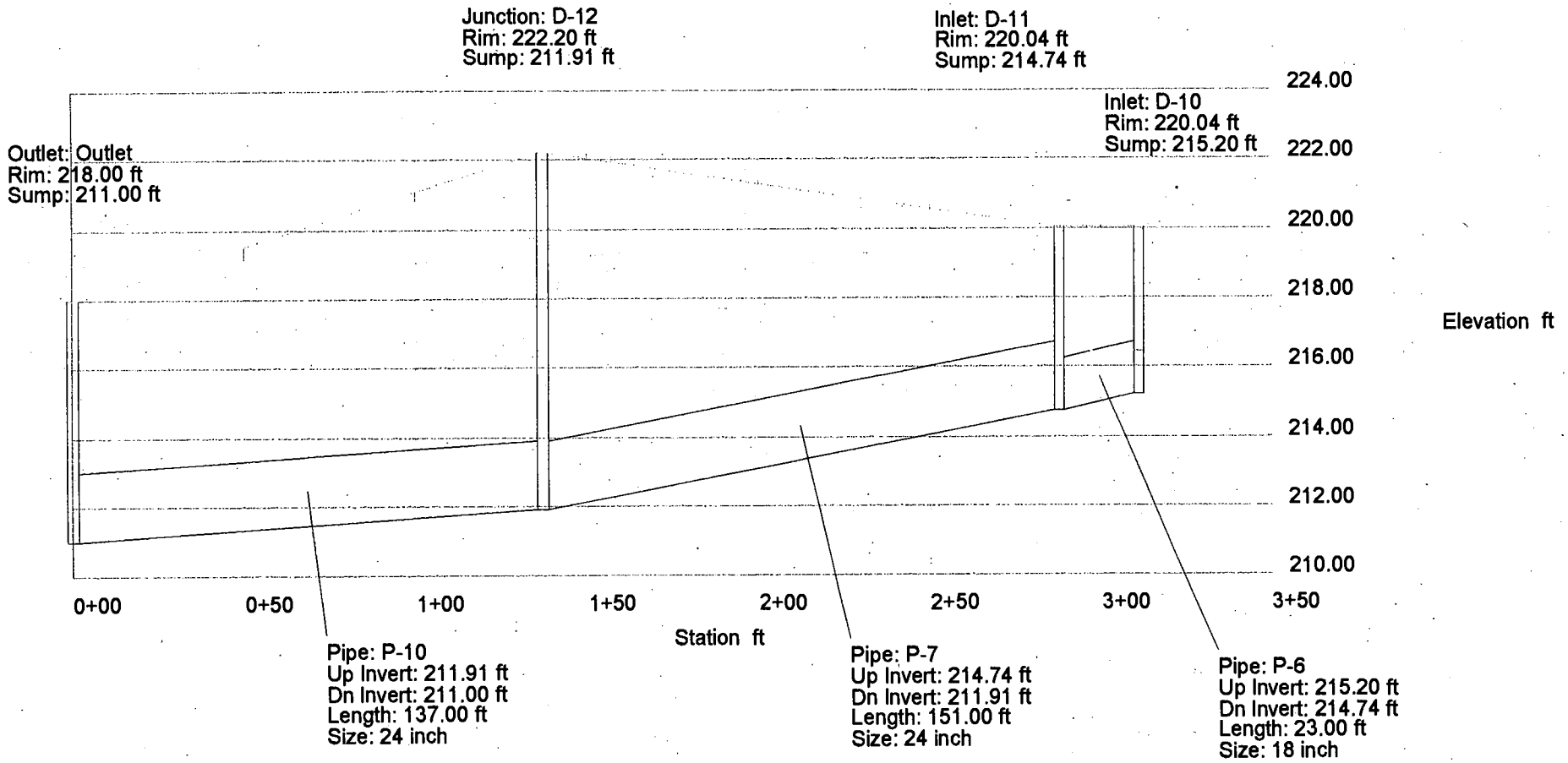
Combined Pipe/Node Report

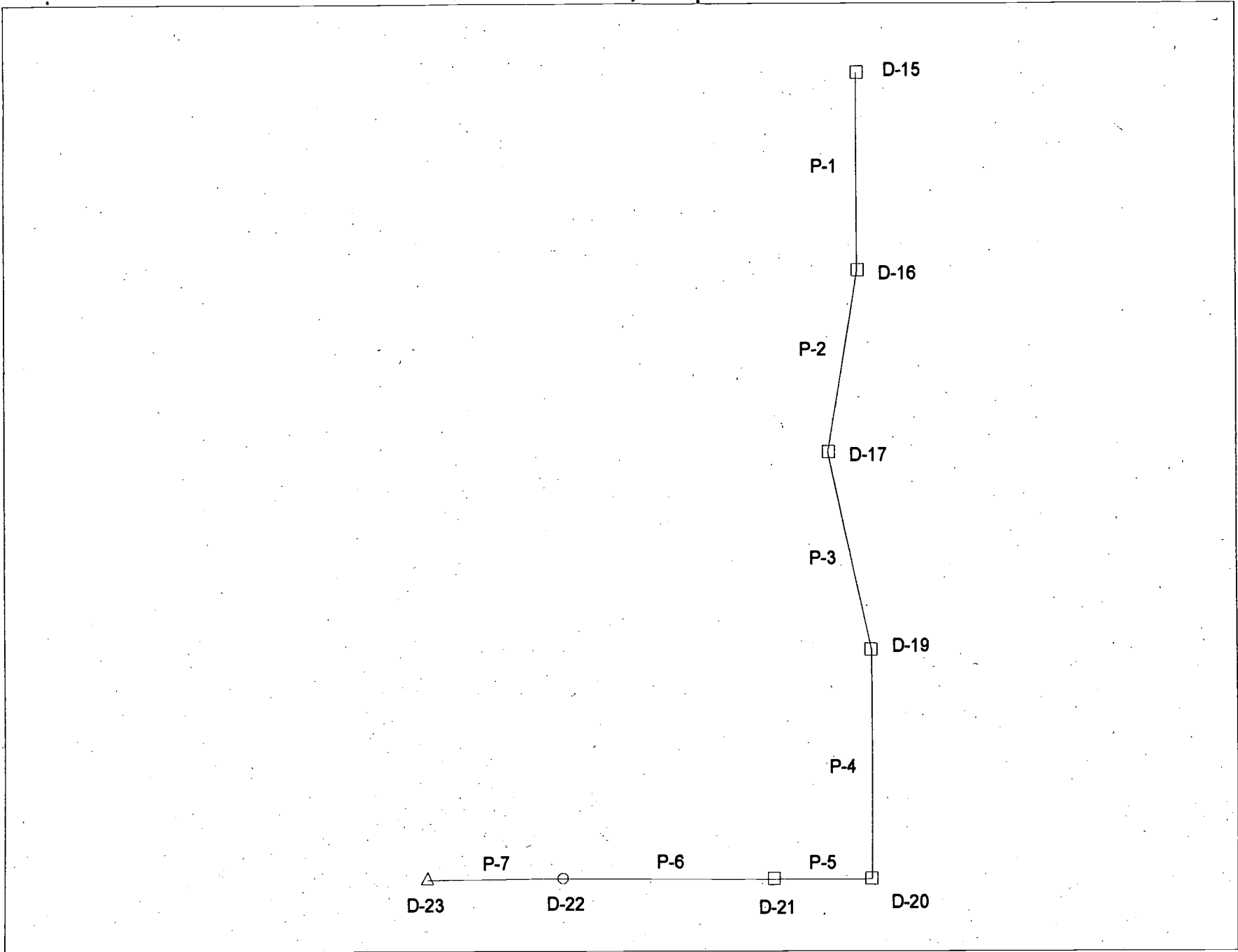
Pipe	Upstream Node	Downstream Node	Length (ft)	Inlet Area (acres)	Inlet C	Inlet CA (acres)	Total CA (acres)	Inlet Discharge (cfs)	Section Size	Capacity (cfs)	Average Velocity (ft/s)	Upstream Invert Elevation (ft)	Downstream Invert Elevation (ft)	Constructed Slope (ft/ft)	Inlet TC (min)
P-4	D-8	D-9	26.00	0.47	0.66	0.31	0.31	2.28	18 inch	20.60	2.49	223.50	222.50	0.038462	10.00
P-2	D-6	D-7	32.00	0.25	0.50	0.13	0.13	0.92	18 inch	18.00	1.70	227.14	226.20	0.029375	10.00
P-1	D-5	D-7	192.00	0.94	0.49	0.46	0.46	3.39	18 inch	10.72	3.09	228.20	226.20	0.010417	10.00
P-3	D-7	D-9	268.00	0.69	0.54	0.37	0.96	2.74	18 inch	12.34	4.64	226.20	222.50	0.013806	10.00
P-5	D-9	D-11	297.00	0.56	0.53	0.30	1.57	2.18	24 inch	36.57	4.73	222.50	214.74	0.026128	10.00
P-6	D-10	D-11	23.00	0.58	0.52	0.30	0.30	2.22	18 inch	14.85	1.34	215.20	214.74	0.020000	10.00
P-7	D-11	D-12	151.00	0.60	0.51	0.31	2.17	2.25	24 inch	30.97	5.77	214.74	211.91	0.018742	10.00
P-10	D-12	Outlet	137.00	N/A	N/A	N/A	2.17	N/A	24 inch	18.44	6.40	211.91	211.00	0.006642	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	2.17	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A





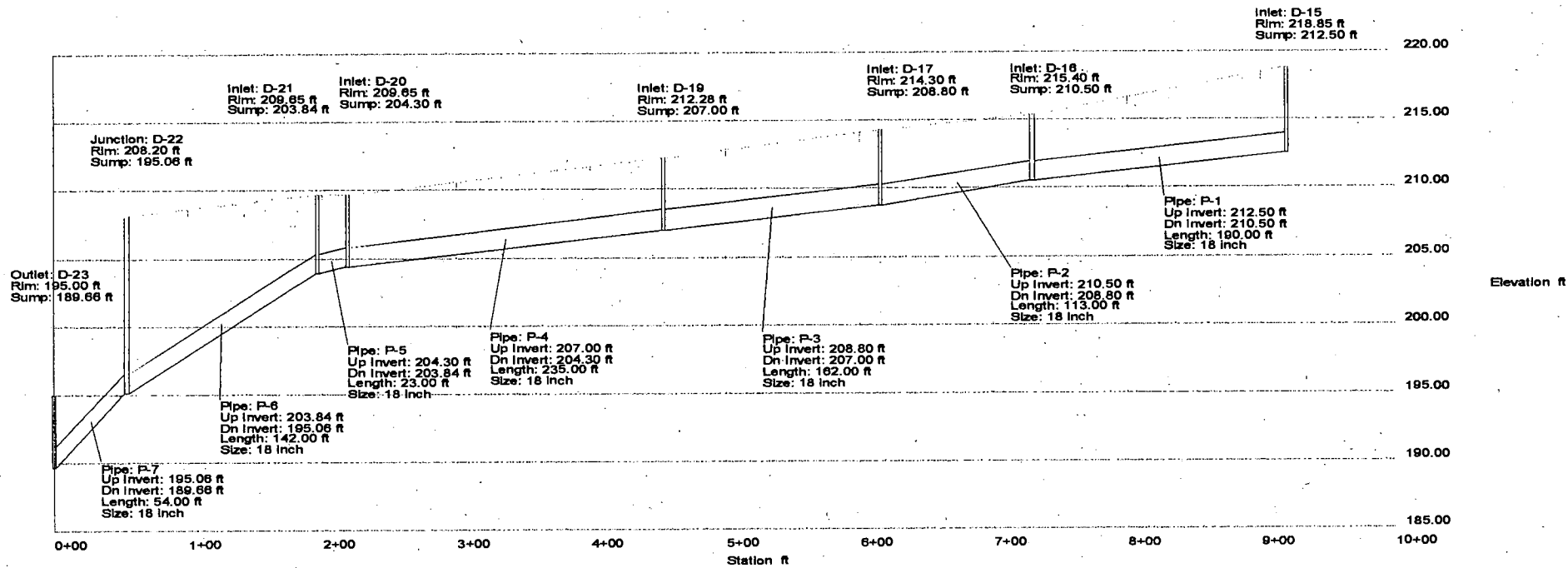


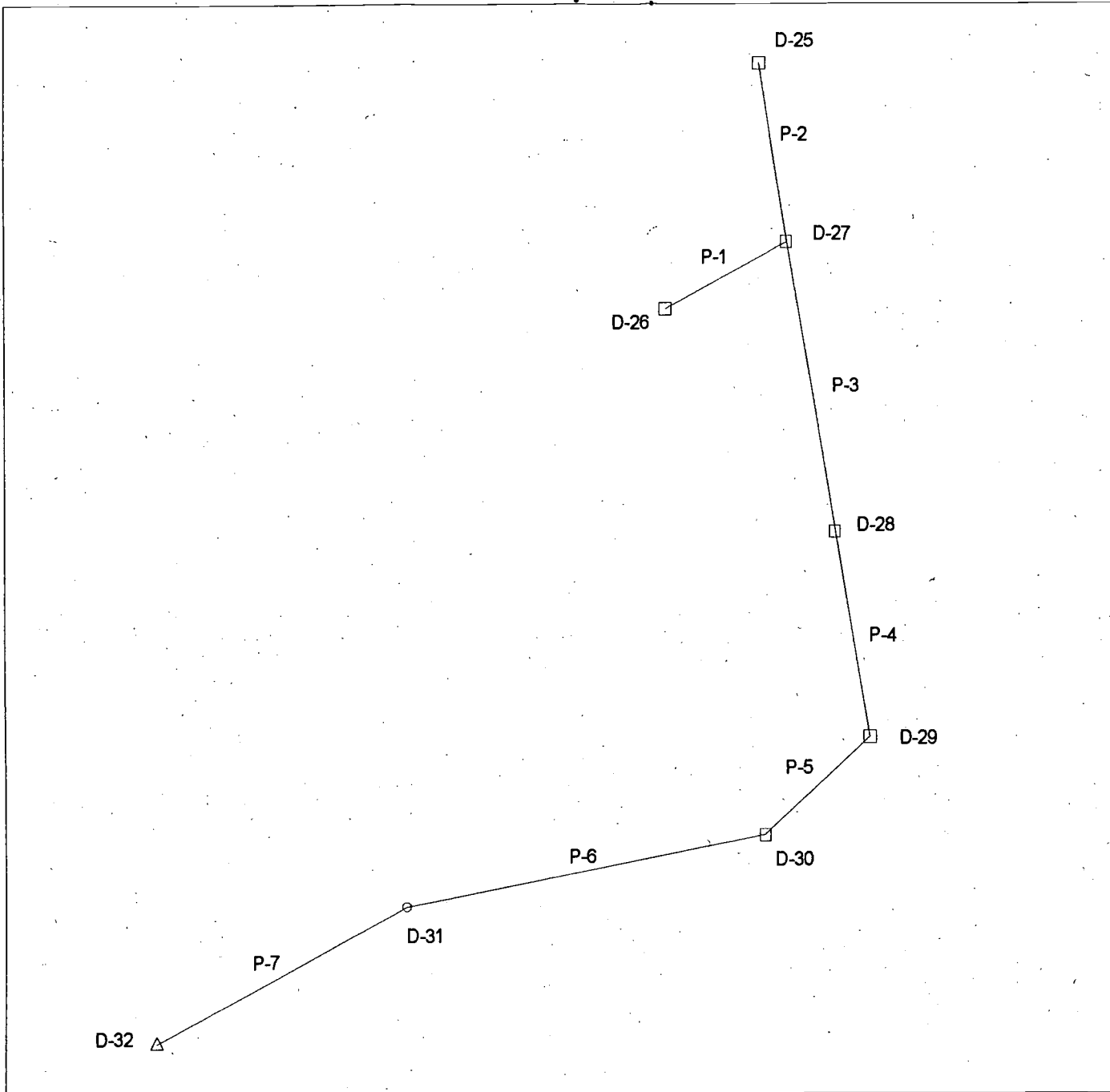




Combined Pipe/Node Report

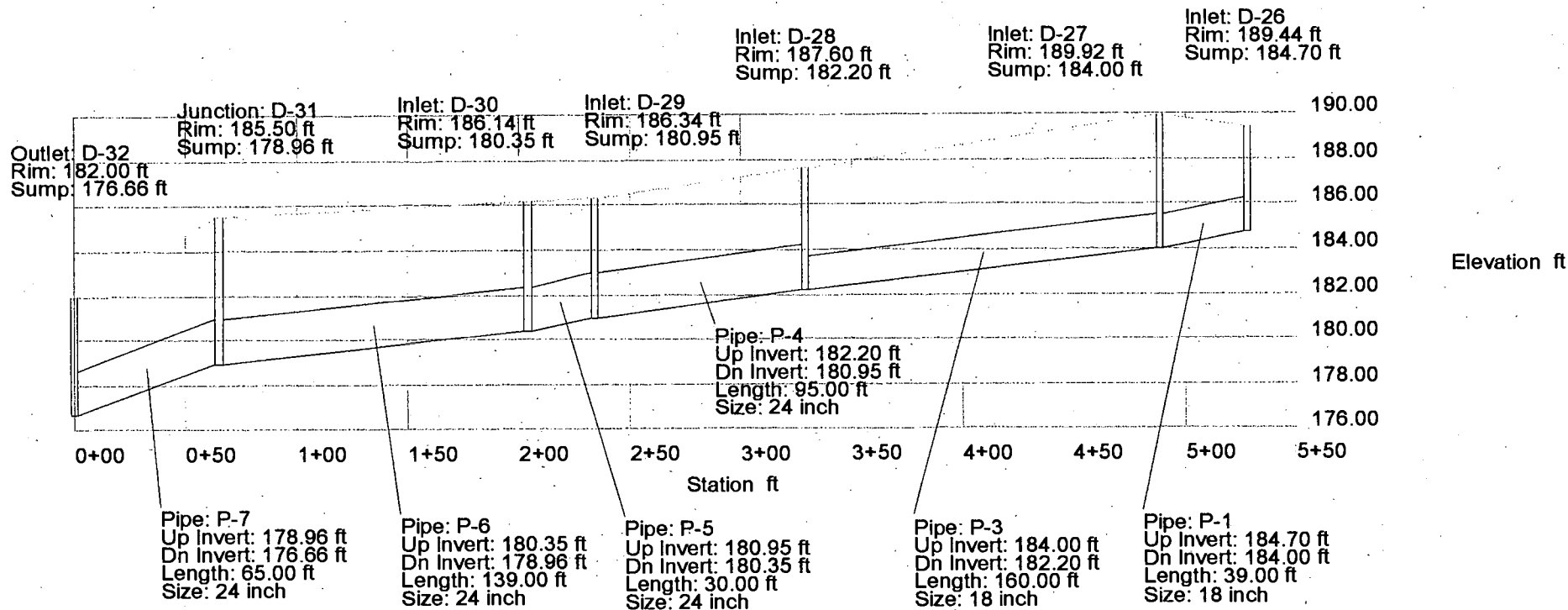
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P-1	D-15	D-16	190.00	0.69	0.40	0.28	0.28	2.03	18 inch	10.78	2.70	212.50	210.50	0.010526	10.00
P-2	D-16	D-17	113.00	0.58	0.46	0.27	0.54	1.96	18 inch	12.88	3.67	210.50	208.80	0.015044	10.00
P-3	D-17	D-19	162.00	0.33	0.50	0.17	0.71	1.21	18 inch	11.07	4.18	208.80	207.00	0.011111	10.00
P-4	D-19	D-20	235.00	0.19	0.48	0.09	0.80	0.67	18 inch	11.26	4.03	207.00	204.30	0.011489	10.00
P-5	D-20	D-21	23.00	0.60	0.70	0.42	1.22	3.09	18 inch	14.85	5.24	204.30	203.84	0.020000	10.00
P-6	D-21	D-22	142.00	0.27	0.51	0.14	1.36	1.01	18 inch	26.12	5.67	203.84	195.06	0.061831	10.00
P-7	D-22	D-23	54.00	N/A	N/A	N/A	1.36	N/A	18 inch	33.22	6.11	195.06	189.66	0.100000	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	1.36	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

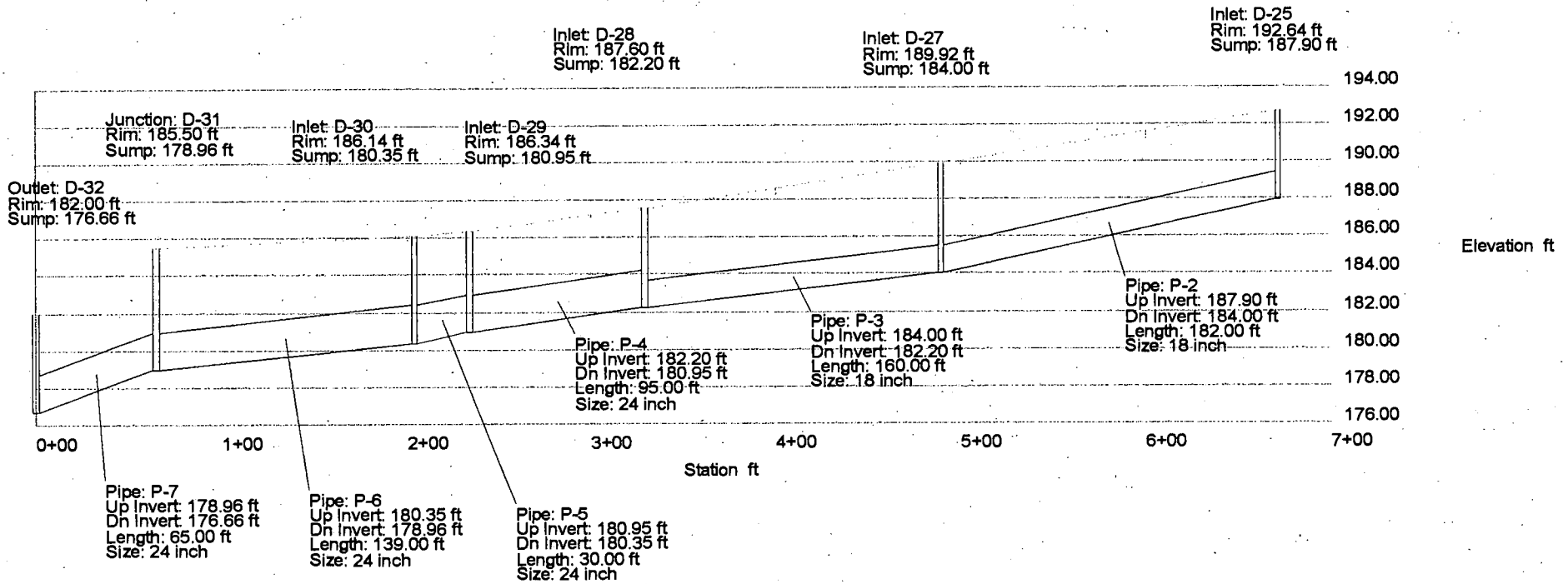


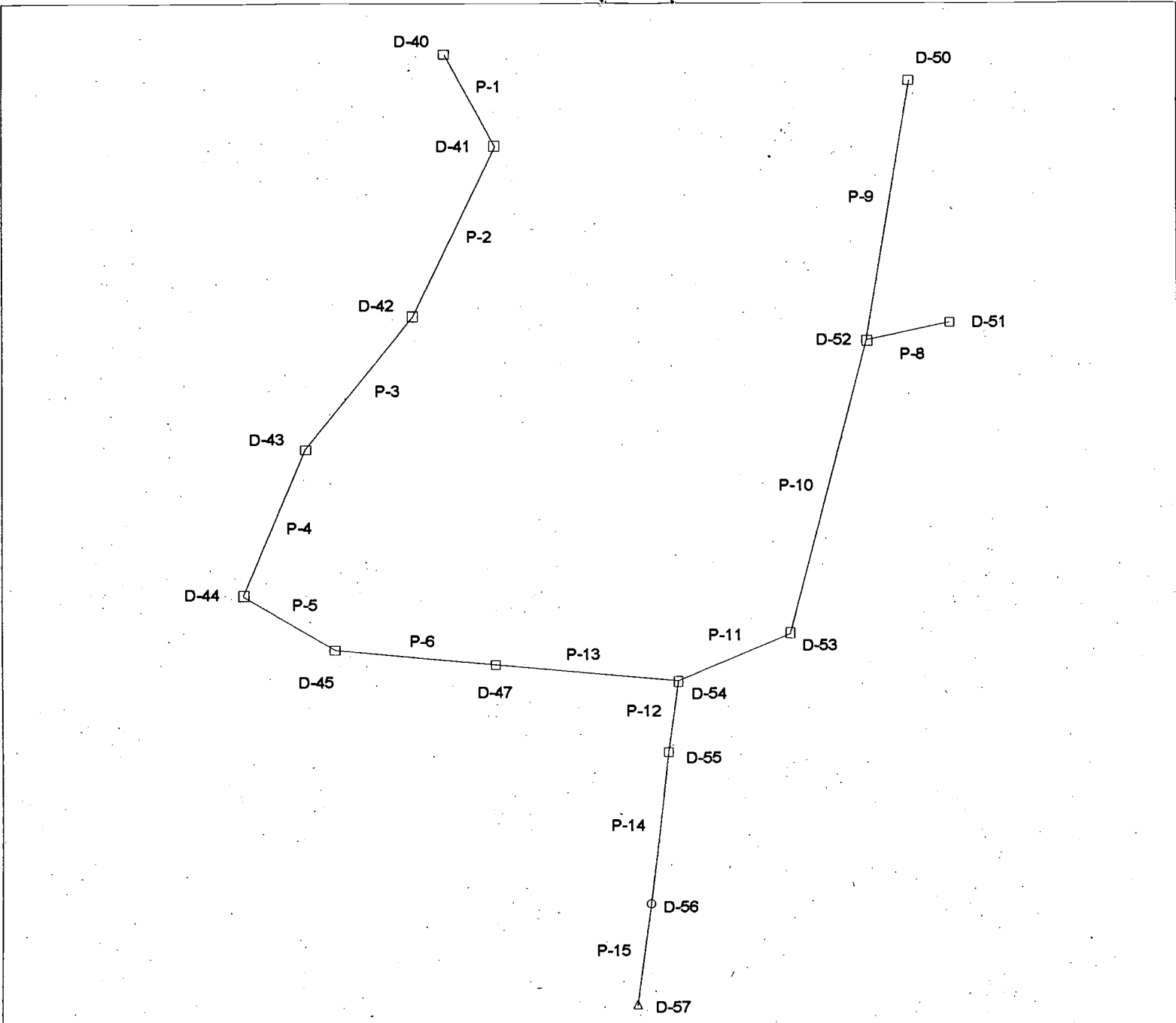


Combined Pipe/Node Report

Pipe	Upstream Node	Downstream Node	Length (ft)	Inlet Area (acres)	Inlet C	Inlet CA (acres)	Total CA (acres)	Inlet Discharge (cfs)	Section Size	Capacity (cfs)	Average Velocity (ft/s)	Upstream Invert Elevation (ft)	Downstream Invert Elevation (ft)	Constructed Slope (ft/ft)	Inlet TC (min)
P-2	D-25	D-27	182.00	0.82	0.46	0.38	0.38	2.78	18 inch	15.38	2.76	187.90	184.00	0.021429	10.00
P-1	D-26	D-27	39.00	0.30	0.50	0.15	0.15	1.10	18 inch	14.07	0.99	184.70	184.00	0.017949	10.00
P-3	D-27	D-28	160.00	1.04	0.47	0.49	1.02	3.60	18 inch	11.14	4.89	184.00	182.20	0.011250	10.00
P-4	D-28	D-29	95.00	0.88	0.52	0.46	1.47	3.37	24 inch	25.95	4.66	182.20	180.95	0.013158	10.00
P-5	D-29	D-30	30.00	0.90	0.40	0.36	1.83	2.65	24 inch	31.99	5.28	180.95	180.35	0.020000	10.00
P-6	D-30	D-31	139.00	0.17	0.51	0.09	1.92	0.64	24 inch	22.62	5.45	180.35	178.96	0.010000	10.00
P-7	D-31	D-32	65.00	N/A	N/A	N/A	1.92	N/A	24 inch	42.55	8.67	178.96	176.66	0.035385	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	1.92	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

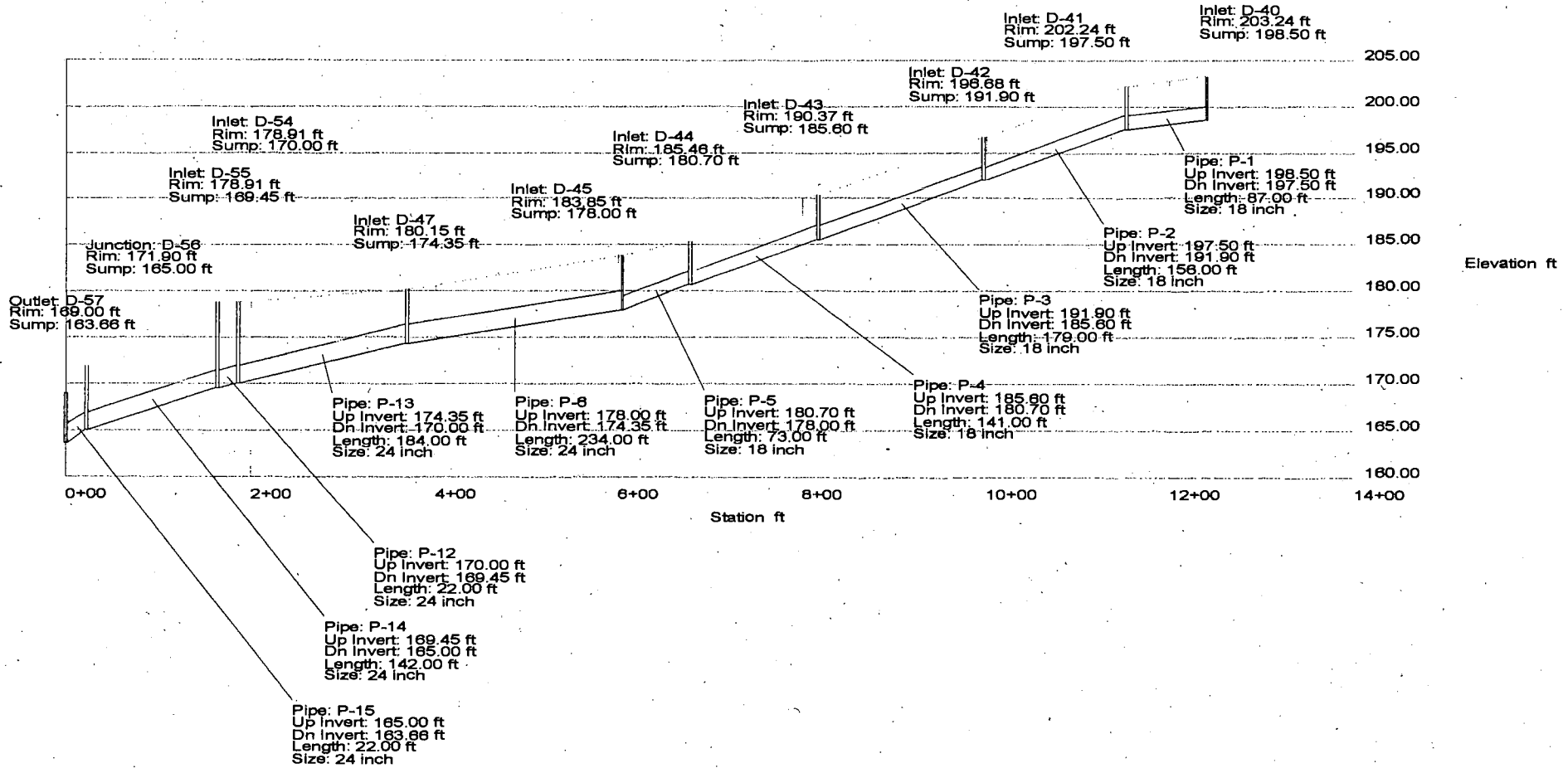


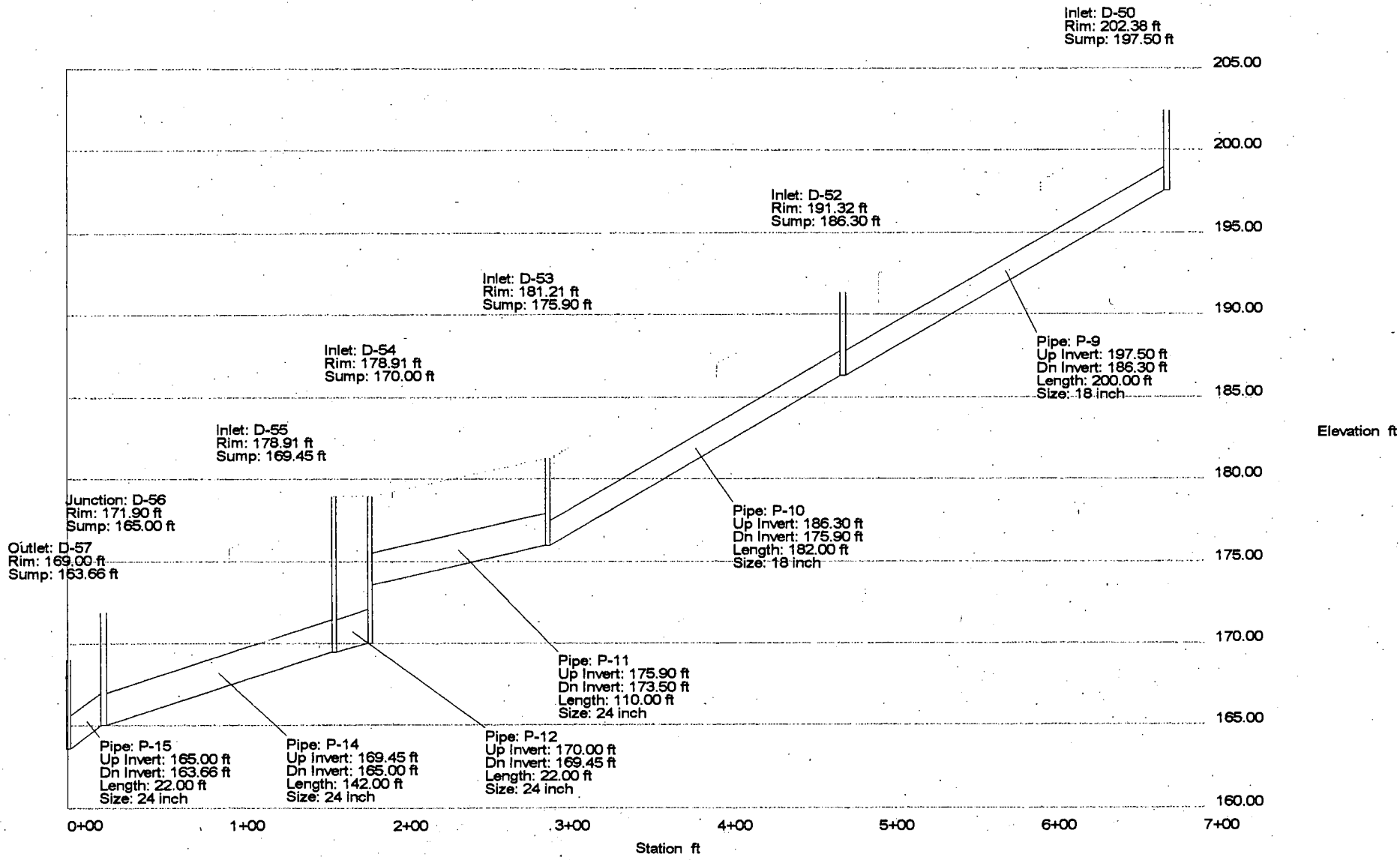


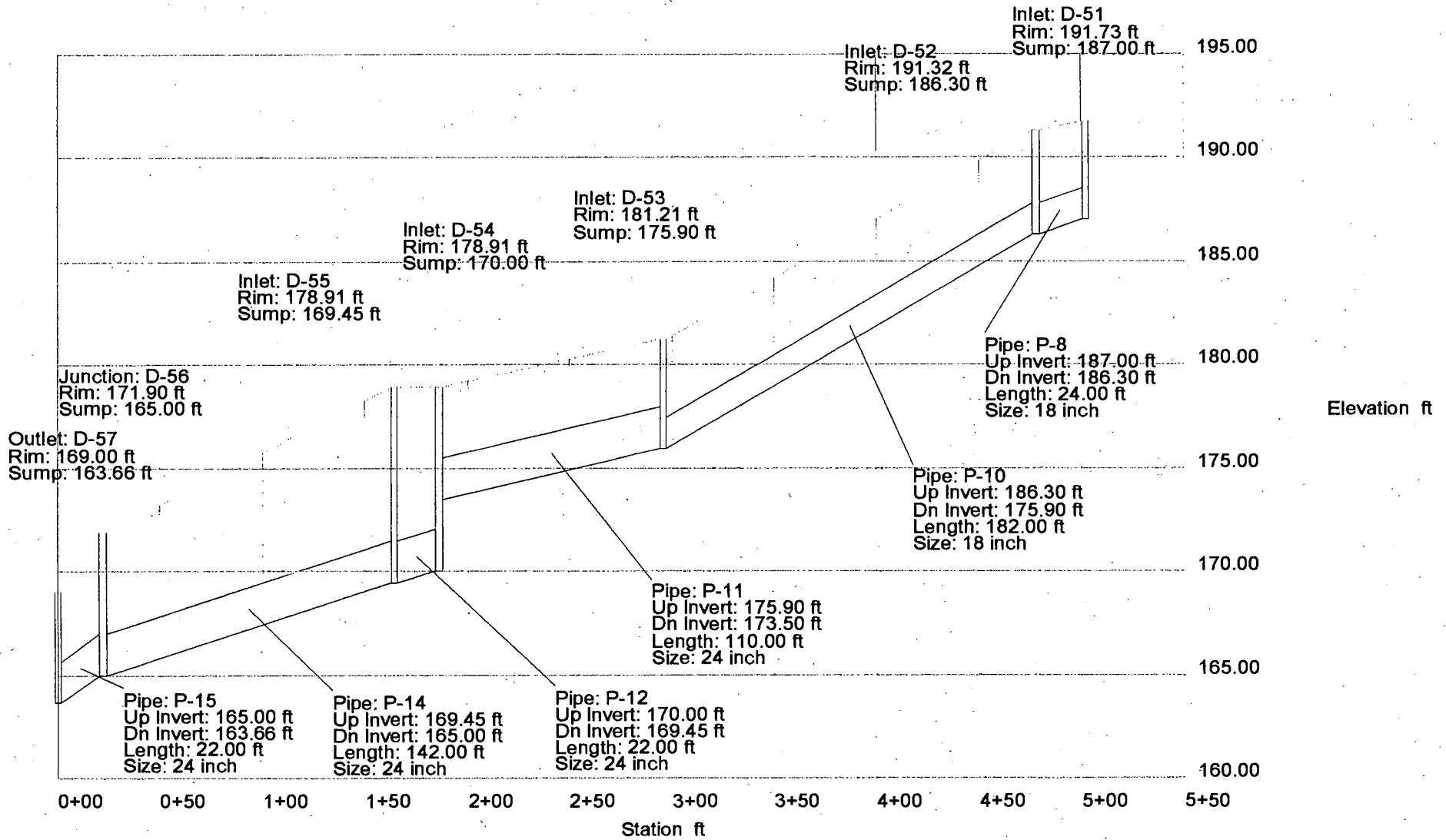


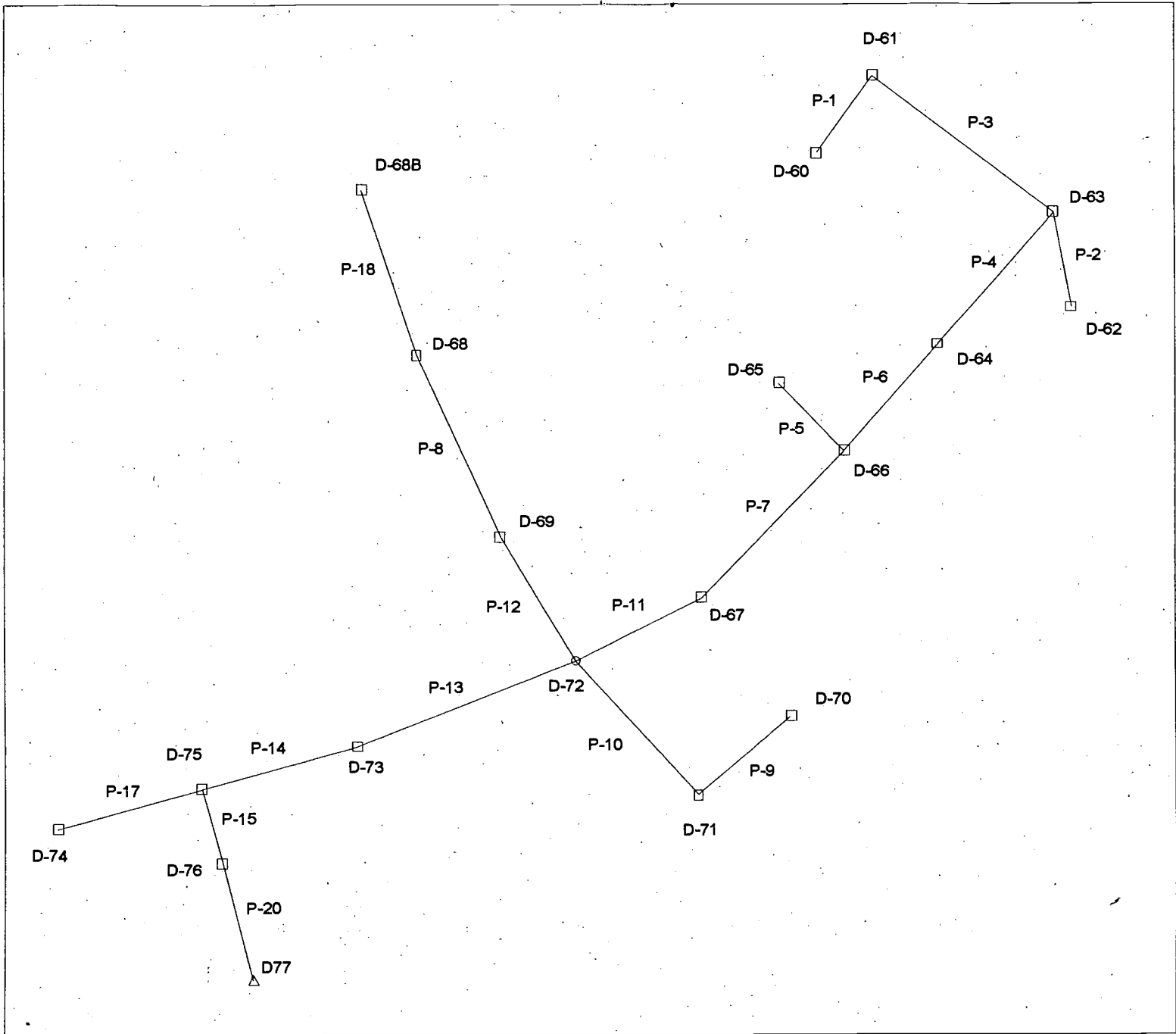
Combined Pipe/Node Report

Pipe	Upstream Node	Downstream Node	Length (ft)	Inlet Area (acres)	Inlet C	Inlet CA (acres)	Total CA (acres)	Inlet Discharge (cfs)	Section Size	Capacity (cfs)	Average Velocity (ft/s)	Upstream Invert Elevation (ft)	Downstream Invert Elevation (ft)	Constructed Slope (ft/ft)	Inlet TC (min)
P-1	D-40	D-41	87.00	0.88	0.50	0.44	0.44	3.24	18 inch	11.26	3.46	198.50	197.50	0.011494	10.00
P-2	D-41	D-42	156.00	0.18	0.53	0.10	0.54	0.70	18 inch	19.90	3.79	197.50	191.90	0.035897	10.00
P-3	D-42	D-43	179.00	0.11	0.47	0.05	0.59	0.38	18 inch	19.71	3.54	191.90	185.60	0.035196	10.00
P-4	D-43	D-44	141.00	0.76	0.52	0.40	0.98	2.91	18 inch	19.58	4.68	185.60	180.70	0.034752	10.00
P-5	D-44	D-45	73.00	0.34	0.53	0.18	1.16	1.33	18 inch	20.20	5.32	180.70	178.00	0.036986	10.00
P-6	D-45	D-47	234.00	0.26	0.52	0.14	1.30	0.99	24 inch	28.25	4.25	178.00	174.35	0.015598	10.00
P-13	D-47	D-54	184.00	1.52	0.47	0.71	2.01	5.26	24 inch	34.78	5.17	174.35	170.00	0.023641	10.00
P-9	D-50	D-52	200.00	0.76	0.51	0.39	0.39	2.85	18 inch	24.86	3.13	197.50	186.30	0.056000	10.00
P-8	D-51	D-52	24.00	0.47	0.46	0.22	0.22	1.59	18 inch	17.94	2.31	187.00	186.30	0.029167	10.00
P-10	D-52	D-53	182.00	0.00	0.00	0.00	0.60	0.00	18 inch	25.11	4.05	186.30	175.90	0.057143	10.00
P-11	D-53	D-54	110.00	0.22	0.54	0.12	0.72	0.87	24 inch	33.41	6.02	175.90	173.50	0.021818	10.00
P-12	D-54	D-55	22.00	2.49	0.42	1.05	3.78	7.70	24 inch	35.77	7.84	170.00	169.45	0.025000	10.00
P-14	D-55	D-56	142.00	0.58	0.50	0.29	4.07	2.13	24 inch	40.05	8.66	169.45	165.00	0.031338	10.00
P-15	D-56	D-57	22.00	N/A	N/A	N/A	4.07	N/A	24 inch	55.83	10.96	165.00	163.66	0.060909	N/A
	N/A	N/A	N/A	N/A	N/A	N/A	4.07	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A



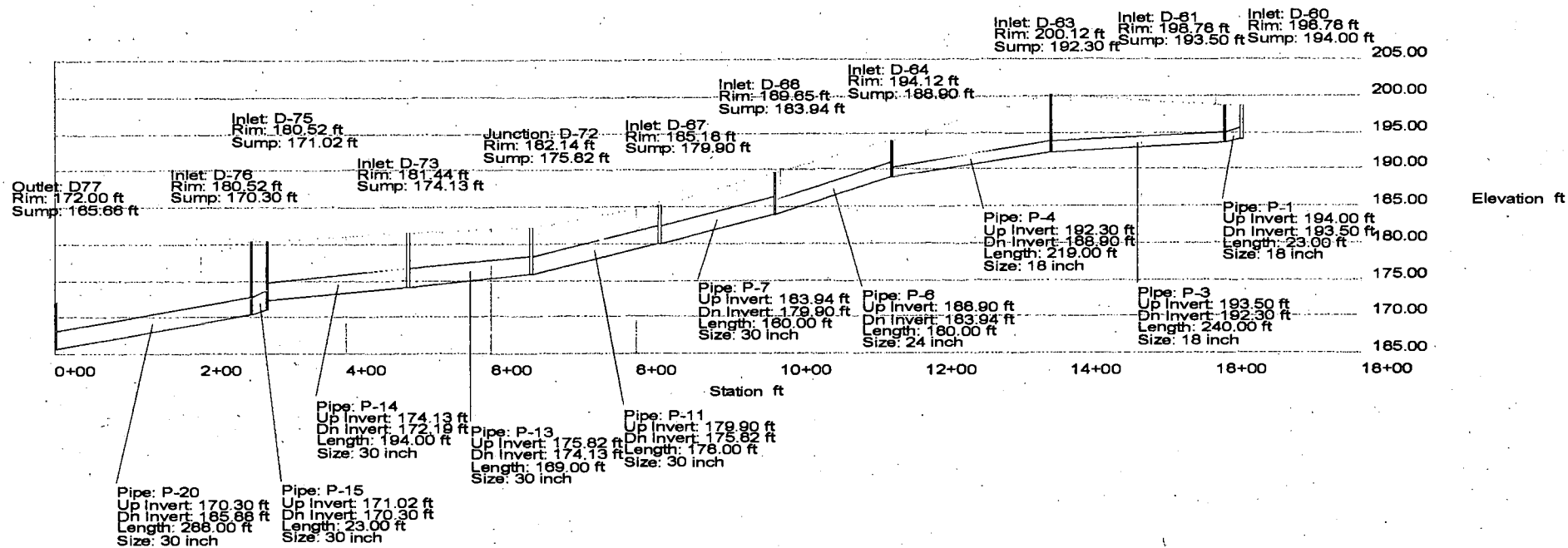


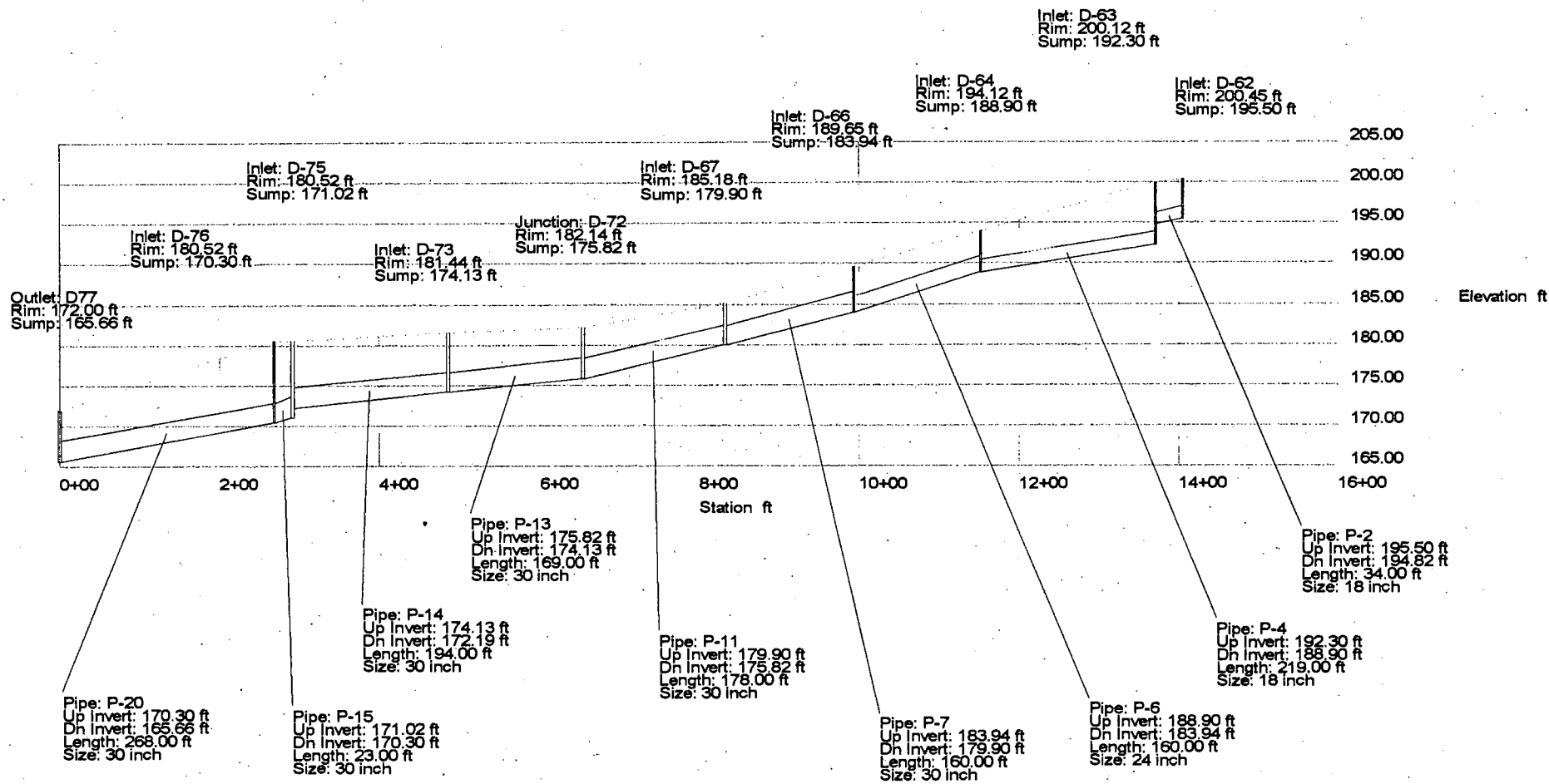


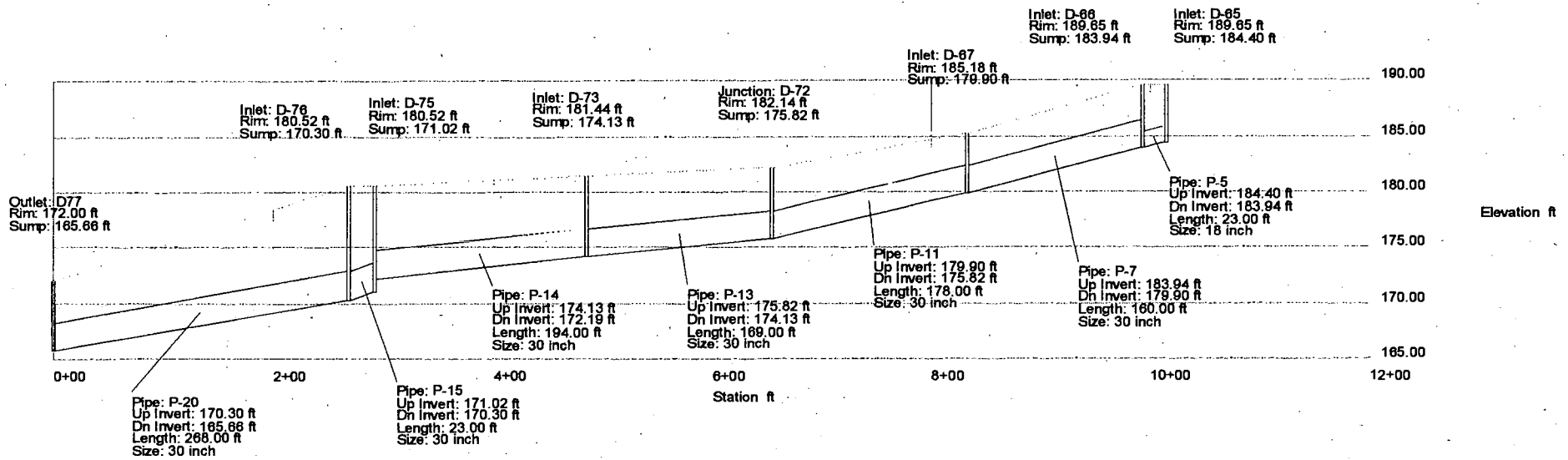


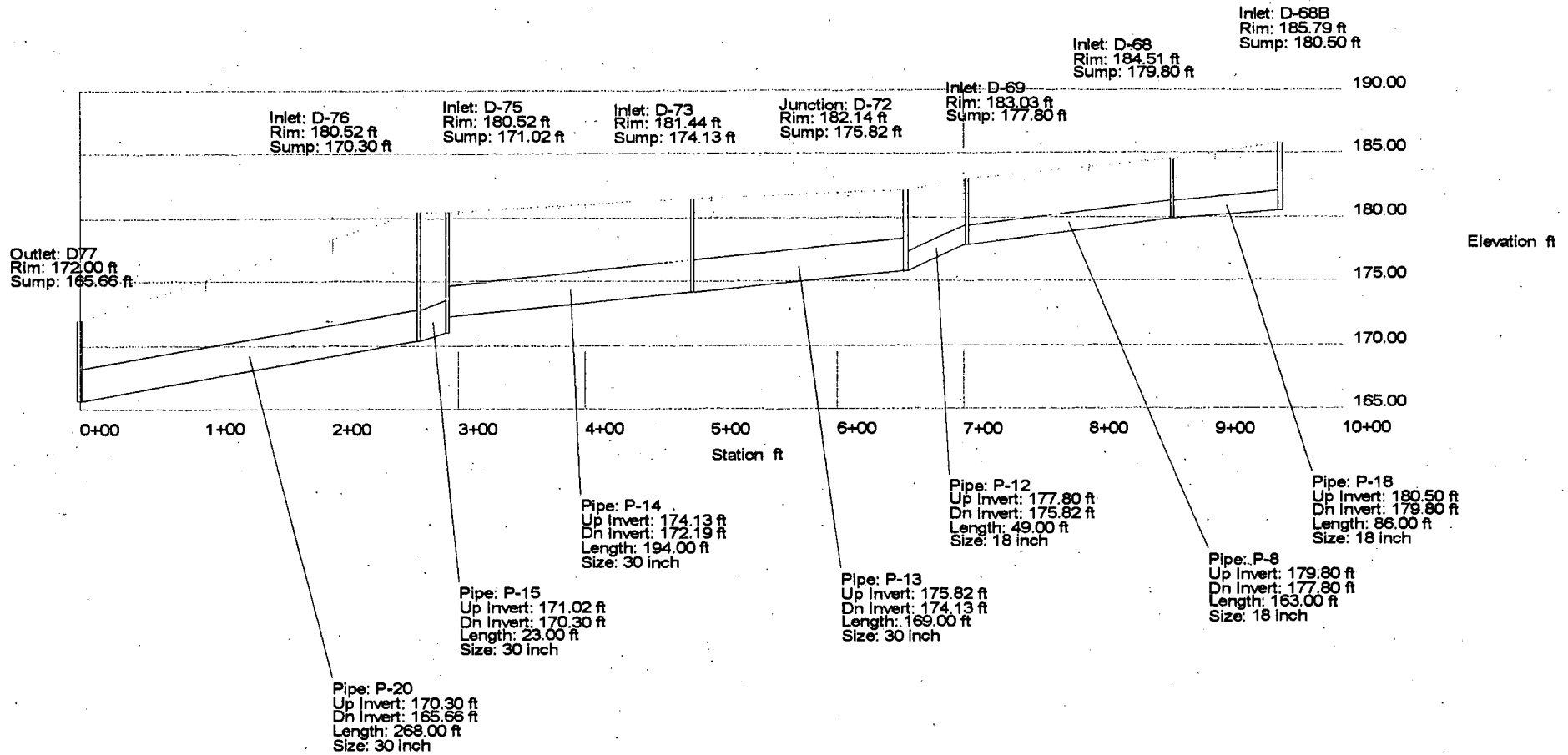
Combined Pipe/Node Report

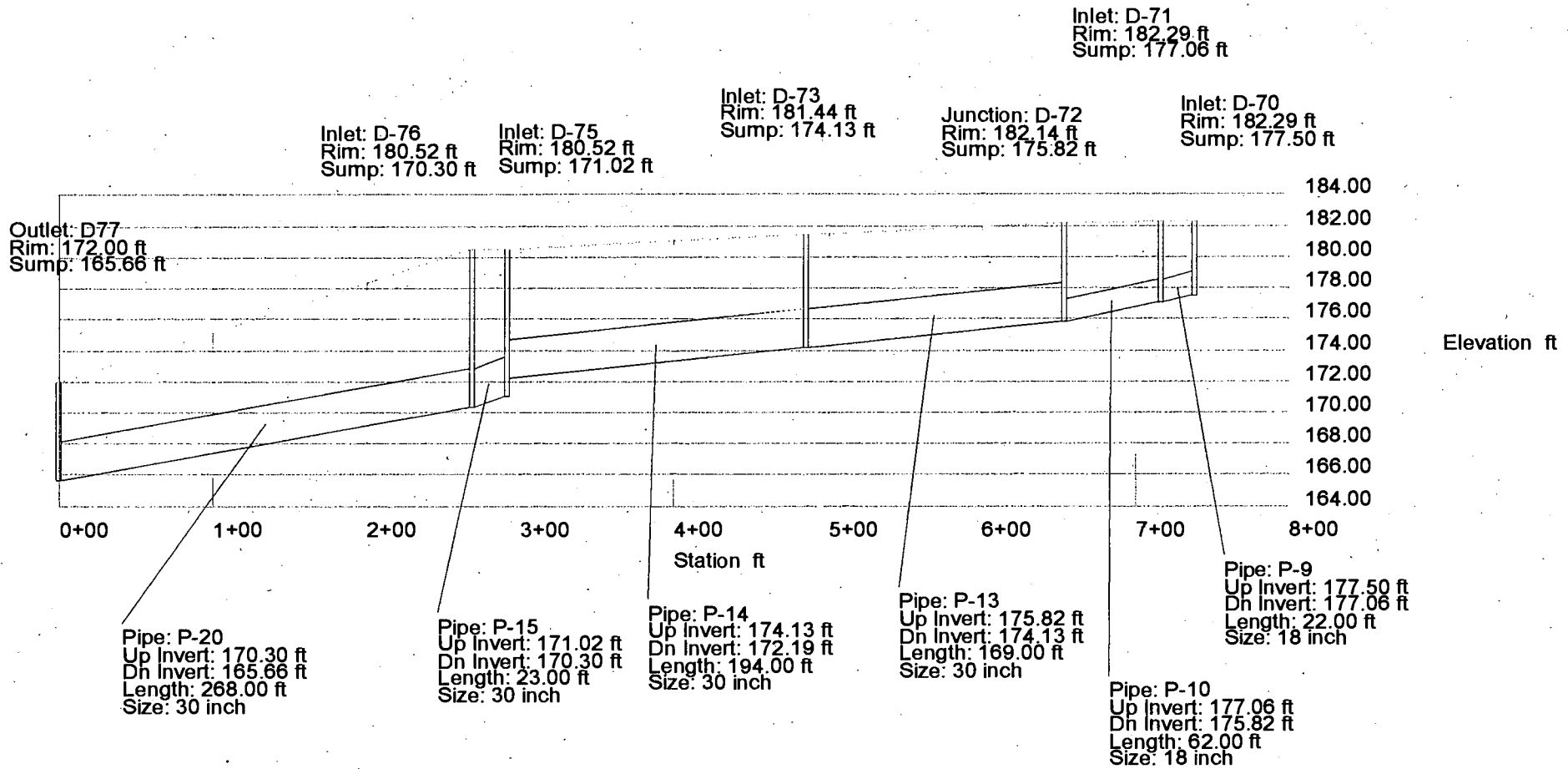
Pipe	Upstream Node	Downstream Node	Length (ft)	Inlet Area (acres)	Inlet C	Inlet CA (acres)	Total CA (acres)	Inlet Discharge (cfs)	Section Size	Capacity (cfs)	Average Velocity (ft/s)	Upstream Invert Elevation (ft)	Downstream Invert Elevation (ft)	Constructed Slope (ft/ft)	Inlet TC (min)
P-17	D-74	D-75	160.00	0.83	0.48	0.40	0.40	2.93	18 inch	15.54	2.82	176.50	173.00	0.021875	10.00
P-18	D-68B	D-68	86.00	0.99	0.38	0.38	0.38	2.77	18 inch	9.48	2.89	180.50	179.80	0.008140	10.00
P-8	D-68	D-69	163.00	0.94	0.52	0.49	0.87	3.60	18 inch	11.63	4.38	179.80	177.80	0.012270	10.00
P-12	D-69	D-72	49.00	0.22	0.51	0.11	0.98	0.83	18 inch	21.11	3.94	177.80	175.82	0.040408	10.00
P-1	D-60	D-61	23.00	0.36	0.51	0.18	0.18	1.35	18 inch	15.49	0.76	194.00	193.50	0.021739	10.00
P-3	D-61	D-63	240.00	1.77	0.55	0.97	1.16	7.16	18 inch	7.43	4.75	193.50	192.30	0.005000	10.00
P-2	D-62	D-63	34.00	0.18	0.49	0.09	0.09	0.65	18 inch	14.85	3.40	195.50	194.82	0.020000	10.00
P-4	D-63	D-64	219.00	0.80	0.57	0.46	1.70	3.36	18 inch	13.09	7.25	192.30	188.90	0.015525	10.00
P-6	D-64	D-66	160.00	0.91	0.51	0.46	2.17	3.42	24 inch	39.83	5.63	188.90	183.94	0.031000	10.00
P-5	D-65	D-66	23.00	0.73	0.53	0.39	0.39	2.85	18 inch	14.85	1.61	184.40	183.94	0.020000	10.00
P-7	D-66	D-67	160.00	0.80	0.55	0.44	2.99	3.24	30 inch	65.17	5.68	183.94	179.90	0.025250	10.00
P-11	D-67	D-72	178.00	0.82	0.51	0.42	3.41	3.08	30 inch	62.10	5.73	179.90	175.82	0.022921	10.00
P-9	D-70	D-71	22.00	1.88	0.47	0.88	0.88	6.50	18 inch	14.85	3.68	177.50	177.06	0.020000	10.00
P-10	D-71	D-72	62.00	0.27	0.51	0.14	1.02	1.01	18 inch	14.85	4.24	177.06	175.82	0.020000	10.00
P-13	D-72	D-73	169.00	N/A	N/A	N/A	5.41	N/A	30 inch	41.01	7.32	175.82	174.13	0.010000	N/A
P-14	D-73	D-75	194.00	1.33	0.48	0.64	6.05	4.70	30 inch	41.01	8.09	174.13	172.19	0.010000	10.00
P-15	D-75	D-76	23.00	1.52	0.41	0.62	7.07	4.59	30 inch	72.57	9.34	171.02	170.30	0.031304	10.00
P-20	D-76	D77	268.00	0.58	0.51	0.30	7.36	2.18	30 inch	53.97	11.30	170.30	165.66	0.017313	10.00
	N/A	N/A	N/A	N/A	N/A	N/A	7.36	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

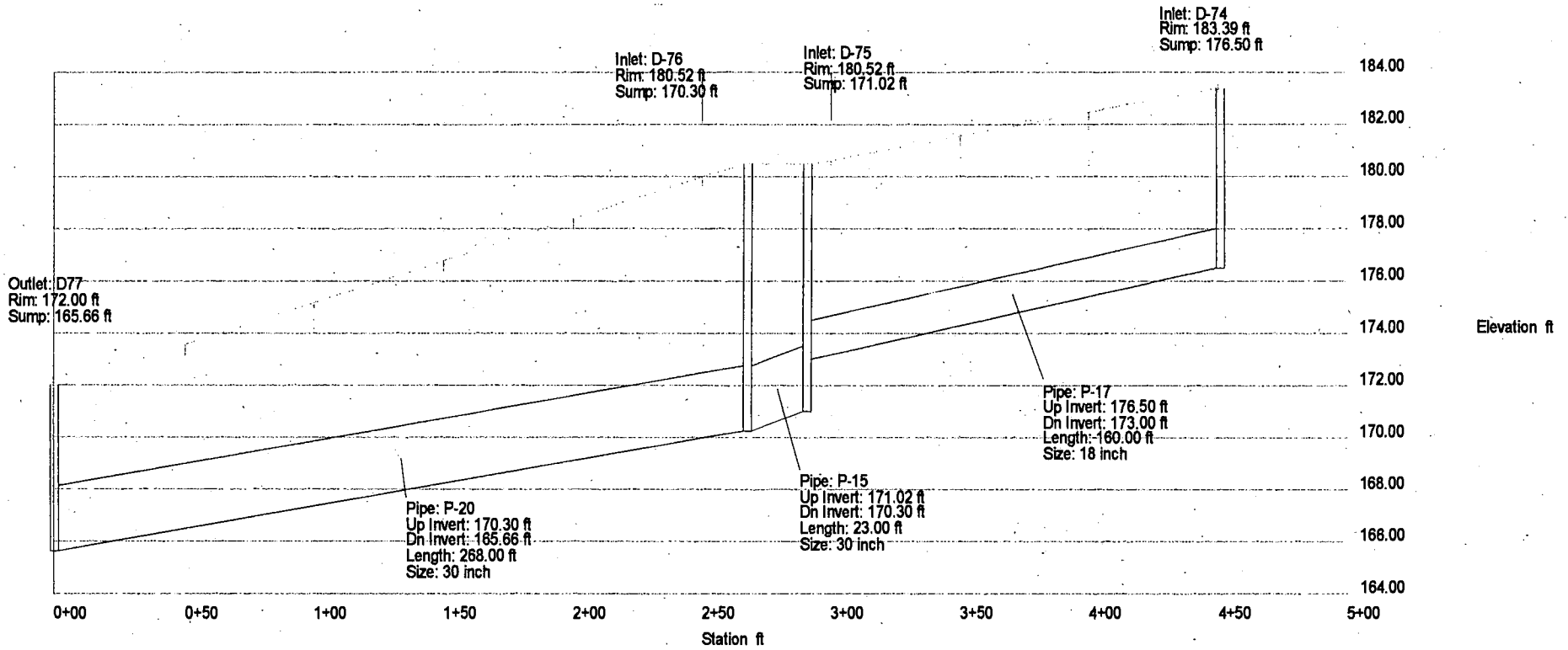


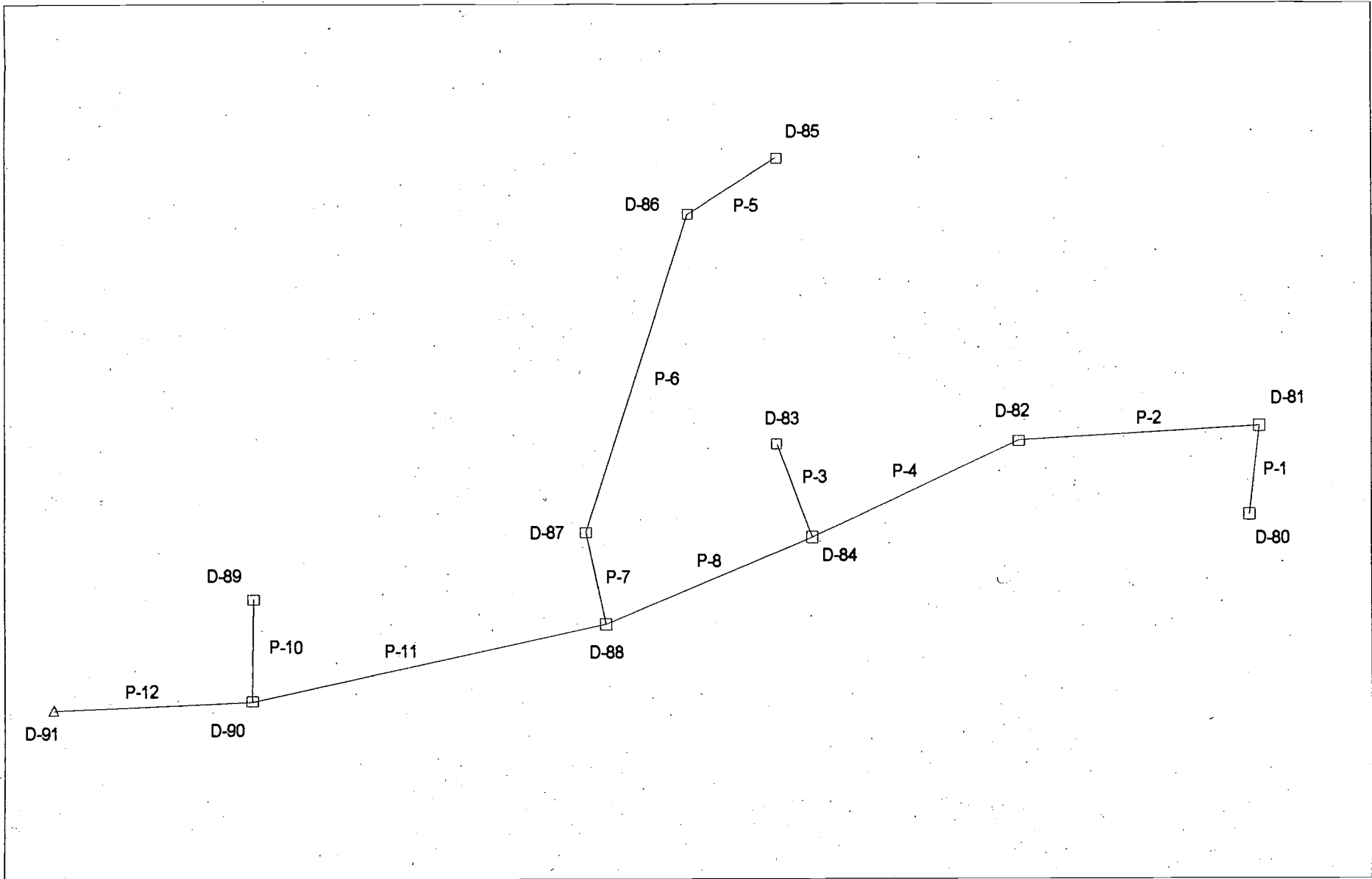






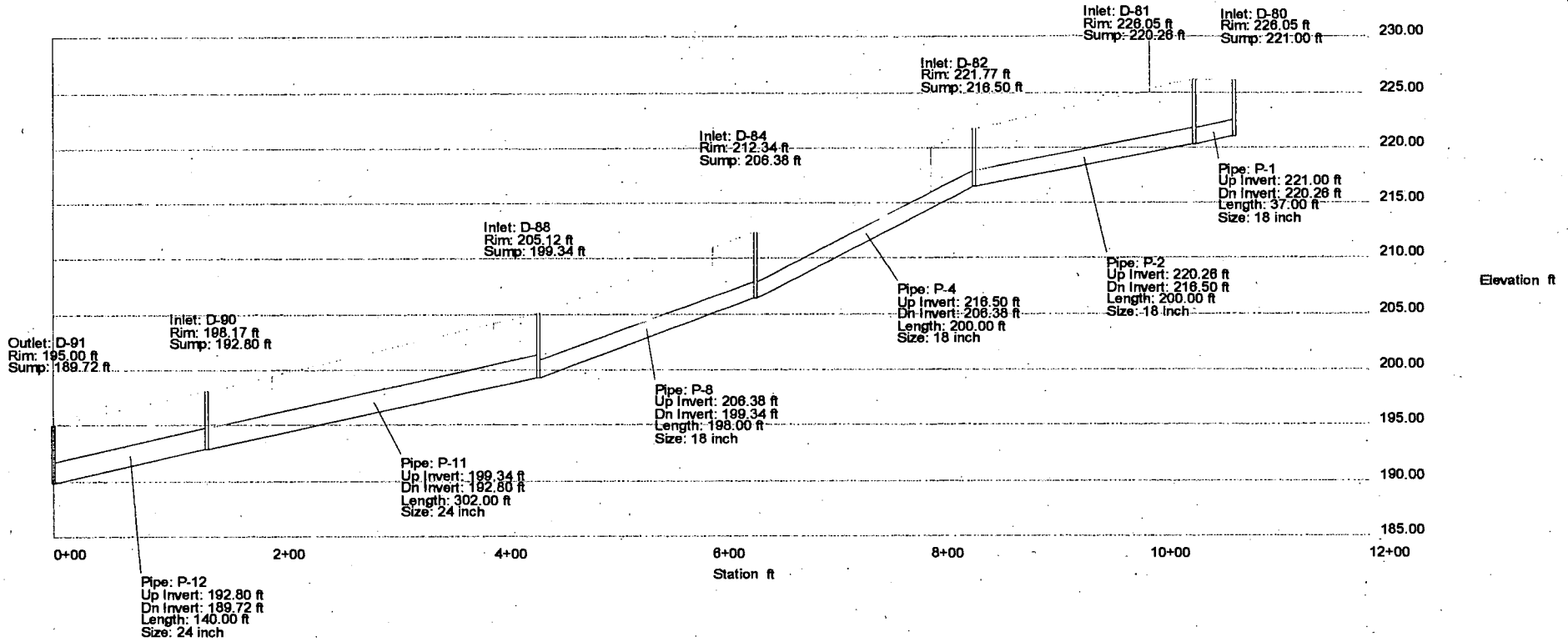


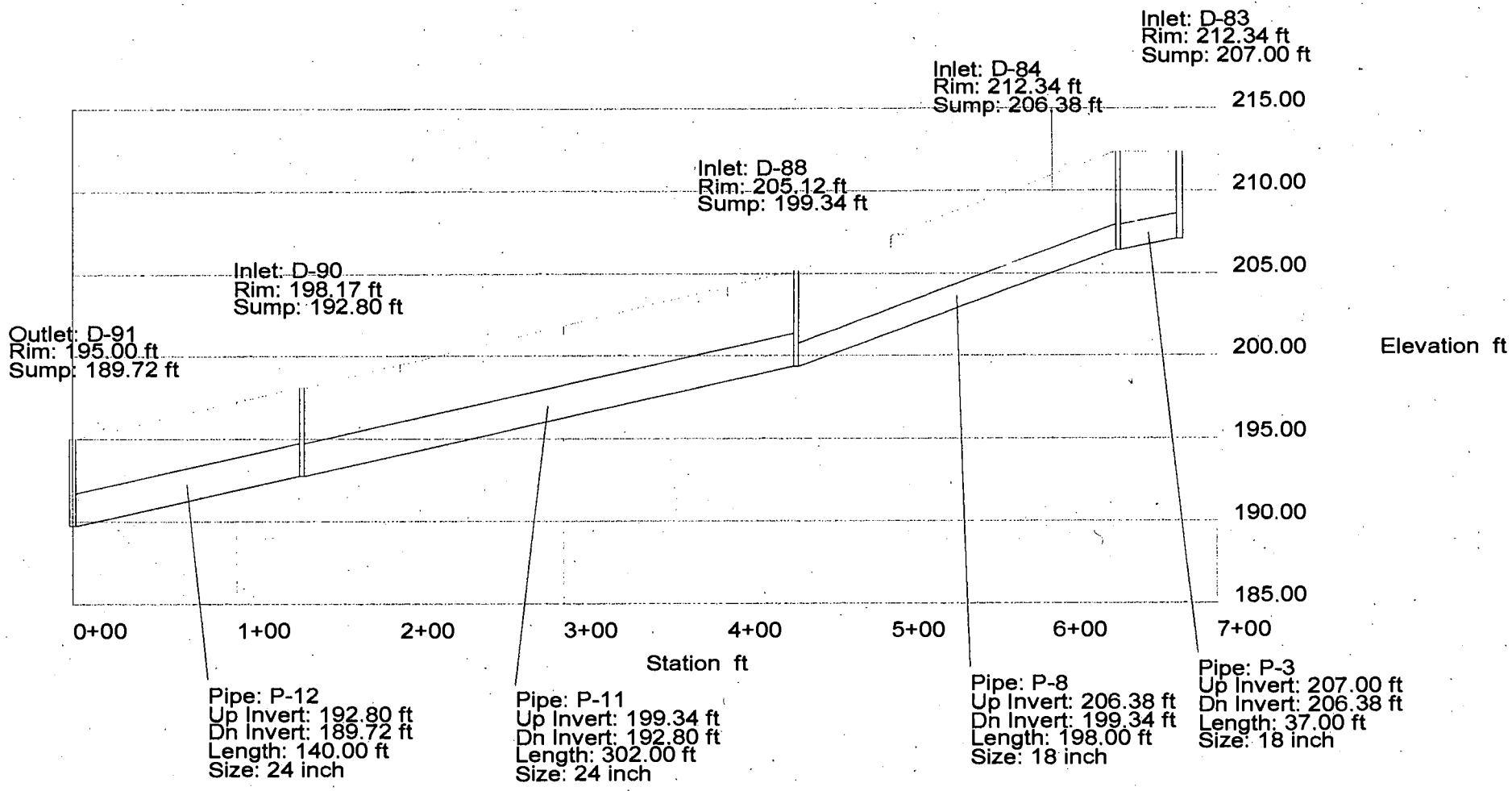


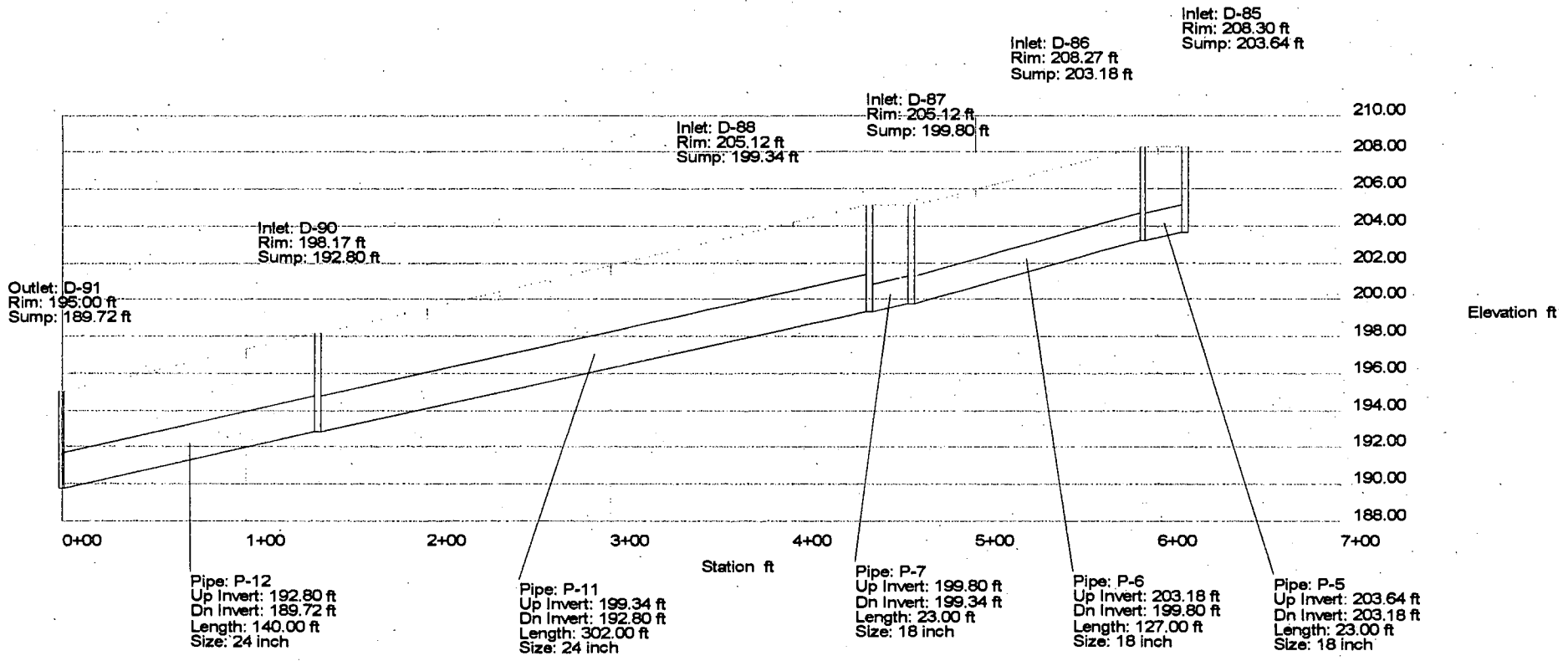


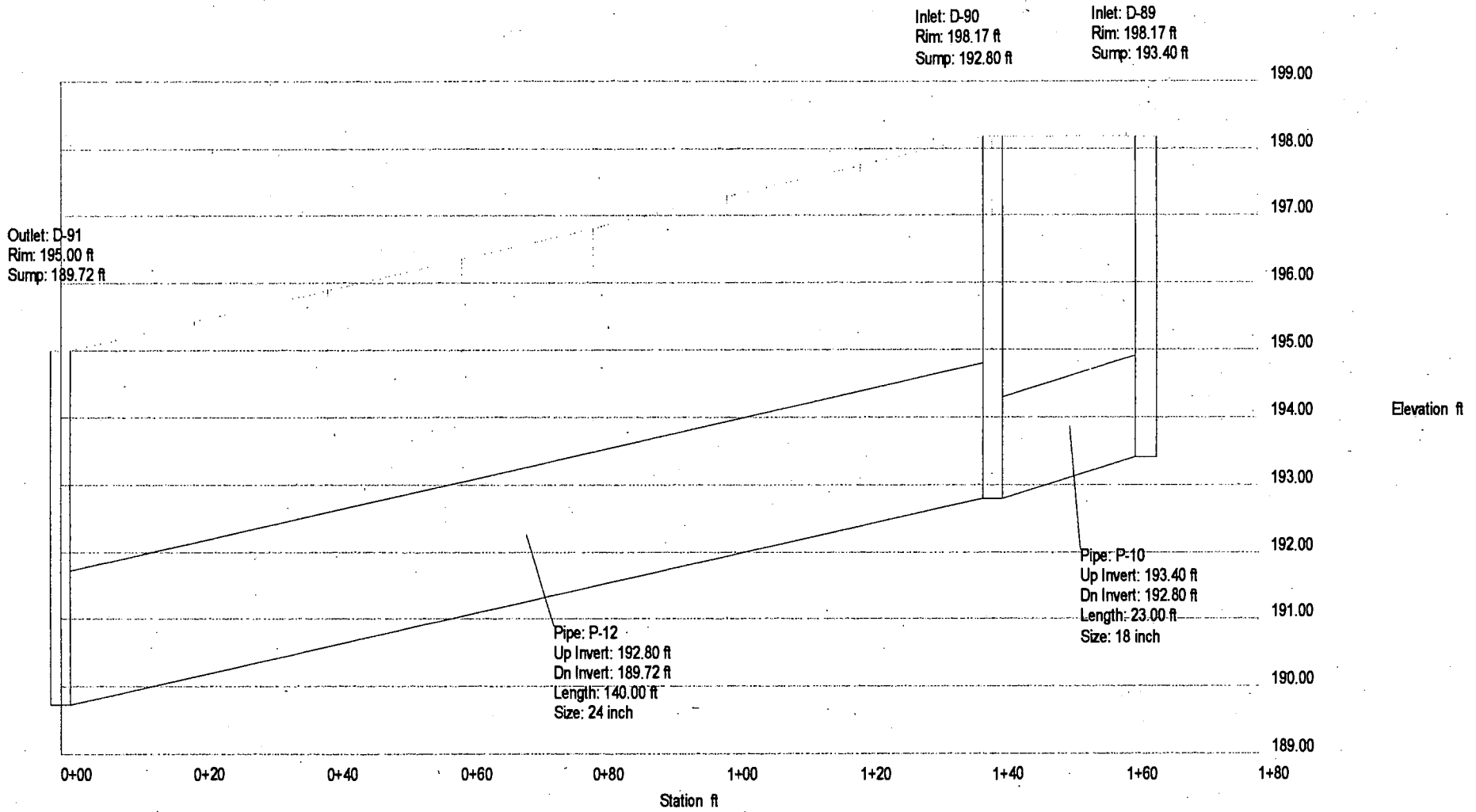
Combined Pipe/Node Report

Pipe	Upstream Node	Downstream Node	Length (ft)	Inlet Area (acres)	Inlet C	Inlet CA (acres)	Total CA (acres)	Inlet Discharge (cfs)	Section Size	Capacity (cfs)	Average Velocity (ft/s)	Upstream Invert Elevation (ft)	Downstream Invert Elevation (ft)	Constructed Slope (ft/ft)	Inlet TC (min)
P-1	D-80	D-81	37.00	0.20	0.61	0.12	0.12	0.90	18 inch	14.85	1.72	221.00	220.26	0.020000	10.00
P-2	D-81	D-82	200.00	1.20	0.48	0.58	0.70	4.24	18 inch	14.40	3.90	220.26	216.50	0.018800	10.00
P-4	D-82	D-84	200.00	0.58	0.64	0.37	1.07	2.73	18 inch	23.63	4.98	216.50	206.38	0.050600	10.00
P-3	D-83	D-84	37.00	0.64	0.49	0.31	0.31	2.31	18 inch	13.60	1.49	207.00	206.38	0.016757	10.00
P-8	D-84	D-88	198.00	0.30	0.63	0.19	1.57	1.39	18 inch	19.81	6.54	206.38	199.34	0.035556	10.00
P-5	D-85	D-86	23.00	0.66	0.63	0.42	0.42	3.06	18 inch	14.85	3.42	203.64	203.18	0.020000	10.00
P-6	D-86	D-87	127.00	0.14	0.52	0.07	0.49	0.54	18 inch	17.14	3.15	203.18	199.80	0.026614	10.00
P-7	D-87	D-88	23.00	0.15	0.60	0.09	0.58	0.66	18 inch	14.85	2.39	199.80	199.34	0.020000	10.00
P-11	D-88	D-90	302.00	0.28	0.55	0.15	2.30	1.13	24 inch	33.29	5.85	199.34	192.80	0.021656	10.00
P-10	D-89	D-90	23.00	0.20	0.50	0.10	0.10	0.74	18 inch	16.97	0.43	193.40	192.80	0.026087	10.00
P-12	D-90	D-91	140.00	0.21	0.49	0.10	2.51	0.76	24 inch	33.55	8.72	192.80	189.72	0.022000	10.00
	N/A	N/A	N/A	N/A	N/A	N/A	2.51	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A









INLET SPREAD CALCULATIONS

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Project : LEGENDS

Sta INPUT
Intens.= 4.00 C1=0.49 A1= 0.18 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
CB ID = d62 C2=0.00 A2= 0.00 Qrunoff= 0.4 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0130 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
Flowby= 0.0 Qtotal= 0.4 Qint= 0.4 Flowby dn= 0.0 Depth=0.16 Spread= 1.50 Veloc= 2.87

Sta INPUT
Intens.= 4.00 C1=0.51 A1= 0.36 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
CB ID = d60 C2=0.00 A2= 0.00 Qrunoff= 0.7 Slope2= 0.1070 a = 5.50 Lgrate= 4.00
Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0000 Slope3= 0.0200 W = 2.00 Length=18.00

OUTPUT
Flowby= 0.0 Qtotal= 0.7 Qint= 0.7 Flowby dn= 0.0 Depth=0.06 Spread= 0.52 Veloc= 0.00

CRITERIA

Runoff computed by Rational Method Manning's n Gutter=0.013 Manning's n Pavement=0.022
Clogging Factors in Sag Location:
----- Curb Opening= 1.25 Grate= 2.00 Slotted Drain= 1.00 Comb-Curb= 1.25 Comb-Grate= 2.00
Clogging Factors on Continuous Grade:
----- Curb Opening= 1.25 Grate= 2.00 Slotted Drain= 1.25 Comb-Curb= 1.25 Comb-Grate= 2.00

Prepared by: Date:03/29/10 Time:07:53:18 Checked by: Date:
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Project : LEGENDS

Sta INPUT
 Intens.= 4.00 C1=0.49 A1= 0.18 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d62 C2=0.00 A2= 0.00 Qrunoff= 0.4 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0130 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 0.4 Qint= 0.4 Flowby dn= 0.0 Depth=0.16 Spread= 1.50 Veloc= 2.87

Sta INPUT
 Intens.= 4.00 C1=0.51 A1= 0.36 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d60 C2=0.00 A2= 0.00 Qrunoff= 0.7 Slope2= 0.1070 a = 5.50 Lgrate= 4.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0000 Slope3= 0.0200 W = 2.00 Length=18.00

OUTPUT
 Flowby= 0.0 Qtotal= 0.7 Qint= 0.7 Flowby dn= 0.0 Depth=0.06 Spread= 0.52 Veloc= 0.00

CRITERIA

Runoff computed by Rational Method Manning's n Gutter=0.013 Manning's n Pavement=0.022

Clogging Factors in Sag Location:

----- Curb Opening= 1.25 Grate= 2.00 Slotted Drain= 1.00 Comb-Curb= 1.25 Comb-Grate= 2.00

Clogging Factors on Continuous Grade:

----- Curb Opening= 1.25 Grate= 2.00 Slotted Drain= 1.25 Comb-Curb= 1.25 Comb-Grate= 2.00

Prepared by: Date:03/29/10 Time:07:58:56 Checked by: Date:
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Project : LEGENDS

Sta INPUT
 Intens.= 2.00 C1=0.50 A1= 0.88 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d40 C2=0.00 A2= 0.00 Qrunoff= 0.9 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0130 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT

Flowby= 0.0 Qtotal= 0.9 Qint= 0.9 Flowby dn= 0.0 Depth=0.22 Spread= 4.42 Veloc= 2.94

Sta INPUT
 Intens.= 2.00 C1=0.57 A1= 0.80 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d63 C2=0.00 A2= 0.00 Qrunoff= 0.9 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0130 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT

Flowby= 0.0 Qtotal= 0.9 Qint= 0.9 Flowby dn= 0.0 Depth=0.22 Spread= 4.57 Veloc= 2.92

Sta INPUT
 Intens.= 4.00 C1=0.55 A1= 1.77 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d61 C2=0.00 A2= 0.00 Qrunoff= 3.9 Slope2= 0.1070 a = 5.50 Lgrate= 4.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0000 Slope3= 0.0200 W = 2.00 Length=18.00

OUTPUT

Flowby= 0.0 Qtotal= 3.9 Qint= 3.9 Flowby dn= 0.0 Depth=0.17 Spread= 1.59 Veloc= 0.00

CRITERIA

Runoff computed by Rational Method Manning's n Gutter=0.013 Manning's n Pavement=0.022
 Clogging Factors in Sag Location:
 ----- Curb Opening= 1.25 Grate= 2.00 Slotted Drain= 1.00 Comb-Curb= 1.25 Comb-Grate= 2.00
 Clogging Factors on Continuous Grade:
 ----- Curb Opening= 1.25 Grate= 2.00 Slotted Drain= 1.25 Comb-Curb= 1.25 Comb-Grate= 2.00

Prepared by: Date:03/29/10 Time:08:01:39 Checked by: Date:
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Project : LEGENDS

Sta INPUT
Intens.= 4.00 C1=0.48 A1= 1.96 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
CB ID = d1 C2=0.00 A2= 0.00 Qrunoff= 3.8 Slope2= 0.1070 a = 5.50 Lgrate= 4.00
Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0000 Slope3= 0.0200 W = 2.00 Length=18.00

OUTPUT
Flowby= 0.0 Qtotal= 3.8 Qint= 3.8 Flowby dn= 0.0 Depth=0.17 Spread= 1.55 Veloc= 0.00

CRITERIA

Runoff computed by Rational Method Manning's n Gutter=0.013 Manning's n Pavement=0.022

Clogging Factors in Sag Location:

----- Curb Opening= 1.25 Grate= 2.00 Slotted Drain= 1.00 Comb-Curb= 1.25 Comb-Grate= 2.00

Clogging Factors on Continuous Grade:

----- Curb Opening= 1.25 Grate= 2.00 Slotted Drain= 1.25 Comb-Curb= 1.25 Comb-Grate= 2.00

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Project : LEGENDS

Sta INPUT
Intens.= 4.00 C1=0.41 A1= 1.52 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
CB ID = d75 C2=0.00 A2= 0.00 Qrunoff= 2.5 Slope2= 0.1070 a = 5.50 Lgrate= 4.00
Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0000 Slope3= 0.0200 W = 2.00 Length=18.00

OUTPUT
Flowby= 0.0 Qtotal= 2.5 Qint= 2.5 Flowby dn= 0.0 Depth=0.13 Spread= 1.18 Veloc= 0.00

CRITERIA
Runoff computed by Rational Method Manning's n Gutter=0.013 Manning's n Pavement=0.022
Clogging Factors in Sag Location:
----- Curb Opening= 1.25 Grate= 2.00 Slotted Drain= 1.00 Comb-Curb= 1.25 Comb-Grate= 2.00
Clogging Factors on Continuous Grade:
----- Curb Opening= 1.25 Grate= 2.00 Slotted Drain= 1.25 Comb-Curb= 1.25 Comb-Grate= 2.00

Prepared by: Date:03/29/10 Time:08:01:57 Checked by: Date:
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Project : LEGENDS

Sta INPUT
Intens.= 4.00 C1=0.41 A1= 1.52 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
CB ID = d75 C2=0.00 A2= 0.00 Qrunoff= 2.5 Slope2= 0.1070 a = 5.50 Lgrate= 4.00
Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0000 Slope3= 0.0200 W = 2.00 Length=18.00

OUTPUT
Flowby= 0.0 Qtotal= 2.5 Qint= 2.5 Flowby dn= 0.0 Depth=0.13 Spread= 1.18 Veloc= 0.00

CRITERIA
Runoff computed by Rational Method Manning's n Gutter=0.013 Manning's n Pavement=0.022
Clogging Factors in Sag Location:
----- Curb Opening= 1.25 Grate= 2.00 Slotted Drain= 1.00 Comb-Curb= 1.25 Comb-Grate= 2.00
Clogging Factors on Continuous Grade:
----- Curb Opening= 1.25 Grate= 2.00 Slotted Drain= 1.25 Comb-Curb= 1.25 Comb-Grate= 2.00

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Project : LEGENDS

Sta INPUT
Intens.= 4.00 C1=0.51 A1= 0.58 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
CB ID = d76 C2=0.00 A2= 0.00 Qrunoff= 1.2 Slope2= 0.1070 a = 5.50 Lgrate= 4.00
Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0000 Slope3= 0.0200 W = 2.00 Length=18.00

OUTPUT
Flowby= 0.0 Qtotal= 1.2 Qint= 1.2 Flowby dn= 0.0 Depth=0.08 Spread= 0.72 Veloc= 0.00

CRITERIA
Runoff computed by Rational Method Manning's n Gutter=0.013 Manning's n Pavement=0.022
Clogging Factors in Sag Location:
----- Curb Opening= 1.25 Grate= 2.00 Slotted Drain= 1.00 Comb-Curb= 1.25 Comb-Grate= 2.00
Clogging Factors on Continuous Grade:
----- Curb Opening= 1.25 Grate= 2.00 Slotted Drain= 1.25 Comb-Curb= 1.25 Comb-Grate= 2.00

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Project : LEGENDS

Sta INPUT
 Intens.= 2.00 C1=0.46 A1= 0.82 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d25 C2=0.00 A2= 0.00 Qrunoff= 0.8 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0148 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 0.8 Quint= 0.8 Flowby dn= 0.0 Depth=0.20 Spread= 3.72 Veloc= 3.12

Sta INPUT
 Intens.= 2.00 C1=0.47 A1= 1.04 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d27 C2=0.00 A2= 0.00 Qrunoff= 1.0 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0148 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 1.0 Quint= 1.0 Flowby dn= 0.0 Depth=0.22 Spread= 4.57 Veloc= 3.13

Sta INPUT
 Intens.= 2.00 C1=0.40 A1= 0.90 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d29 C2=0.00 A2= 0.00 Qrunoff= 0.7 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0127 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 0.7 Quint= 0.7 Flowby dn= 0.0 Depth=0.21 Spread= 3.82 Veloc= 2.89

Sta INPUT
 Intens.= 2.00 C1=0.38 A1= 0.99 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d68 C2=0.00 A2= 0.00 Qrunoff= 0.8 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0091 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 0.8 Quint= 0.8 Flowby dn= 0.0 Depth=0.22 Spread= 4.52 Veloc= 2.44

Sta INPUT
 Intens.= 1.45 C1=0.52 A1= 0.94 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d68 C2=0.00 A2= 0.00 Qrunoff= 0.7 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0091 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 0.7 Quint= 0.7 Flowby dn= 0.0 Depth=0.22 Spread= 4.32 Veloc= 2.44

INPUT

End of this reach of Catch Basins
 Flowby dn flows to Catch Basin d70

OUTPUT

Flowby dn= 0.0

Sta INPUT
 Intens.= 3.00 C1=0.53 A1= 0.73 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d65 C2=0.00 A2= 0.00 Qrunoff= 1.2 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0280 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 1.2 Quint= 1.2 Flowby dn= 0.0 Depth=0.21 Spread= 4.07 Veloc= 4.31

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Project : LEGENDS

INPUT

End of this reach of Catch Basins
Flowby dn flows to Catch Basin d70

OUTPUT

Flowby dn= 0.0

Sta

INPUT

Intens.= 4.00 C1=0.46 A1= 0.51 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
CB ID = d64 C2=0.00 A2= 0.00 Qrunoff= 0.9 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0280 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT

Flowby= 0.0 Qtotal= 0.9 Qint= 0.9 Flowby dn= 0.0 Depth=0.20 Spread= 3.37 Veloc= 4.33

Sta

INPUT

Intens.= 3.00 C1=0.55 A1= 0.80 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
CB ID = d66 C2=0.00 A2= 0.00 Qrunoff= 1.3 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0280 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT

Flowby= 0.0 Qtotal= 1.3 Qint= 1.3 Flowby dn= 0.0 Depth=0.22 Spread= 4.52 Veloc= 4.28

Sta

INPUT

Intens.= 3.00 C1=0.51 A1= 0.82 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
CB ID = d67 C2=0.00 A2= 0.00 Qrunoff= 1.3 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
-Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0280 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT

Flowby= 0.0 Qtotal= 1.3 Qint= 1.3 Flowby dn= 0.0 Depth=0.22 Spread= 4.32 Veloc= 4.32

Sta

INPUT

Intens.= 4.00 C1=0.47 A1= 1.88 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
CB ID = d70 C2=0.00 A2= 0.00 Qrunoff= 3.6 Slope2= 0.1070 a = 5.50 Lgrate= 4.00
Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0000 Slope3= 0.0200 W = 2.00 Length=18.00

OUTPUT

Flowby= 0.0 Qtotal= 3.6 Qint= 3.6 Flowby dn= 0.0 Depth=0.16 Spread= 1.49 Veloc= 0.00

CRITERIA

Runoff computed by Rational Method Manning's n Gutter=0.013 Manning's n Pavement=0.022

Clogging Factors in Sag Location:

----- Curb Opening= 1.25 Grate= 2.00 Slotted Drain= 1.00 Comb-Curb= 1.25 Comb-Grate= 2.00

Clogging Factors on Continuous Grade:

----- Curb Opening= 1.25 Grate= 2.00 Slotted Drain= 1.25 Comb-Curb= 1.25 Comb-Grate= 2.00

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Project : LEGENDS

Sta INPUT
 Intens.= 4.00 C1=0.53 A1= 0.18 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d41 C2=0.00 A2= 0.00 Qrunoff= 0.4 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0356 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 0.4 Qint= 0.4 Flowby dn= 0.0 Depth=0.14 Spread= 1.28 Veloc= 4.24

Sta INPUT
 Intens.= 4.00 C1=0.47 A1= 0.11 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d42 C2=0.00 A2= 0.00 Qrunoff= 0.2 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0356 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 0.2 Qint= 0.2 Flowby dn= 0.0 Depth=0.11 Spread= 1.02 Veloc= 3.63

INPUT
 End of this reach of Catch Basins
 Flowby dn flows to Catch Basin d45

OUTPUT
 Flowby dn= 0.0

Sta INPUT
 Intens.= 4.00 C1=0.52 A1= 0.76 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d43 C2=0.00 A2= 0.00 Qrunoff= 1.6 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0356 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 1.6 Qint= 1.6 Flowby dn= 0.0 Depth=0.22 Spread= 4.72 Veloc= 4.84

Sta INPUT
 Intens.= 4.00 C1=0.53 A1= 0.34 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d44 C2=0.00 A2= 0.00 Qrunoff= 0.7 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0356 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 0.7 Qint= 0.7 Flowby dn= 0.0 Depth=0.17 Spread= 2.12 Veloc= 4.91

Sta INPUT
 Intens.= 4.00 C1=0.52 A1= 0.26 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d45 C2=0.00 A2= 0.00 Qrunoff= 0.5 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0162 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 0.5 Qint= 0.5 Flowby dn= 0.0 Depth=0.18 Spread= 2.47 Veloc= 3.31

Sta INPUT
 Intens.= 1.40 C1=0.47 A1= 1.52 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d47 C2=0.00 A2= 0.00 Qrunoff= 1.0 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0162 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 1.0 Qint= 1.0 Flowby dn= 0.0 Depth=0.22 Spread= 4.52 Veloc= 3.25

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Project : LEGENDS

INPUT

End of this reach of Catch Basins
Flowby dn flows to Catch Basin d54

OUTPUT

Flowby dn= 0.0

Sta INPUT

Intens.= 4.00 C1=0.51 A1= 0.76 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
CB ID = d50 C2=0.00 A2= 0.00 Qrunoff= 1.6 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0551 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT

Flowby= 0.0 Qtotal= 1.6 Qint= 1.6 Flowby dn= 0.0 Depth=0.21 Spread= 3.92 Veloc= 6.03

Sta INPUT

Intens.= 4.00 C1=0.46 A1= 0.47 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
CB ID = d52 C2=0.00 A2= 0.00 Qrunoff= 0.9 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0551 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT

Flowby= 0.0 Qtotal= 0.9 Qint= 0.9 Flowby dn= 0.0 Depth=0.17 Spread= 2.02 Veloc= 6.07

Sta INPUT

Intens.= 4.00 C1=0.54 A1= 0.22 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
CB ID = d53 C2=0.00 A2= 0.00 Qrunoff= 0.5 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0300 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT

Flowby= 0.0 Qtotal= 0.5 Qint= 0.5 Flowby dn= 0.0 Depth=0.15 Spread= 1.43 Veloc= 4.23

Sta INPUT

Intens.= 4.00 C1=0.42 A1= 2.49 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
CB ID = d54 C2=0.00 A2= 0.00 Qrunoff= 4.2 Slope2= 0.1070 a = 5.50 Lgrate= 4.00
Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0000 Slope3= 0.0200 W = 2.00 Length=18.00

OUTPUT

Flowby= 0.0 Qtotal= 4.2 Qint= 4.2 Flowby dn= 0.0 Depth=0.18 Spread= 1.66 Veloc= 0.00

CRITERIA

Runoff computed by Rational Method Manning's n Gutter=0.013 Manning's n Pavement=0.022

Clogging Factors in Sag Location:

----- Curb Opening= 1.25 Gate= 2.00 Slotted Drain= 1.00 Comb-Curb= 1.25 Comb-Grate= 2.00

Clogging Factors on Continuous Grade:

----- Curb Opening= 1.25 Gate= 2.00 Slotted Drain= 1.25 Comb-Curb= 1.25 Comb-Grate= 2.00

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Project : LEGENDS

Sta INPUT
Intens.= 4.00 C1=0.49 A1= 0.34 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
CB ID = d2 C2=0.00 A2= 0.00 Qrunoff= 0.7 Slope2= 0.1070 a = 5.50 Lgrate= 4.00
Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0000 Slope3= 0.0200 W = 2.00 Length=18.00

OUTPUT
Flowby= 0.0 Qtotal= 0.7 Qint= 0.7 Flowby dn= 0.0 Depth=0.05 Spread= 0.50 Veloc= 0.00

CRITERIA
Runoff computed by Rational Method Manning's n Gutter=0.013 Manning's n Pavement=0.022
Clogging Factors in Sag Location:
----- Curb Opening= 1.25 Grate= 2.00 Slotted Drain= 1.00 Comb-Curb= 1.25 Comb-Grate= 2.00
Clogging Factors on Continuous Grade:
----- Curb Opening= 1.25 Grate= 2.00 Slotted Drain= 1.25 Comb-Curb= 1.25 Comb-Grate= 2.00

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Project : LEGENDS

Sta INPUT
 Intens.= 4.00 C1=0.50 A1= 0.25 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d6 C2=0.00 A2= 0.00 Qrunoff= 0.5 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0061 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 0.5 Qint= 0.5 Flowby dn= 0.0 Depth=0.21 Spread= 3.82 Veloc= 2.01

Sta INPUT
 Intens.= 4.00 C1=0.53 A1= 0.56 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d9 C2=0.00 A2= 0.00 Qrunoff= 1.2 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0235 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 1.2 Qint= 1.2 Flowby dn= 0.0 Depth=0.22 Spread= 4.47 Veloc= 3.91

Sta INPUT
 Intens.= 4.00 C1=0.51 A1= 0.60 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d11 C2=0.00 A2= 0.00 Qrunoff= 1.2 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0296 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 1.2 Qint= 1.2 Flowby dn= 0.0 Depth=0.21 Spread= 4.17 Veloc= 4.41

CRITERIA

Runoff computed by Rational Method Manning's n Gutter=0.013 Manning's n Pavement=0.022

Clogging Factors in Sag Location:

----- Curb Opening= 1.25 Grate= 2.00 Slotted Drain= 1.00 Comb-Curb= 1.25 Comb-Grate= 2.00

Clogging Factors on Continuous Grade:

----- Curb Opening= 1.25 Grate= 2.00 Slotted Drain= 1.25 Comb-Curb= 1.25 Comb-Grate= 2.00

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Project : LEGENDS

Sta INPUT
 Intens.= 1.46 C1=0.49 A1= 0.94 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d5 C2=0.00 A2= 0.00 Qrunoff= 0.7 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0061 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 0.7 Qint= 0.7 Flowby dn= 0.0 Depth=0.23 Spread= 4.82 Veloc= 2.00

Sta INPUT
 Intens.= 1.50 C1=0.54 A1= 0.69 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d7 C2=0.00 A2= 0.00 Qrunoff= 0.6 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0061 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 0.6 Qint= 0.6 Flowby dn= 0.0 Depth=0.21 Spread= 4.17 Veloc= 2.01

Sta INPUT
 Intens.= 4.00 C1=0.66 A1= 0.47 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d8 C2=0.00 A2= 0.00 Qrunoff= 1.3 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0600 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 1.3 Qint= 1.3 Flowby dn= 0.0 Depth=0.19 Spread= 3.02 Veloc= 6.40

Sta INPUT
 Intens.= 4.00 C1=0.52 A1= 0.58 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = D10 C2=0.00 A2= 0.00 Qrunoff= 1.2 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0296 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 1.2 Qint= 1.2 Flowby dn= 0.0 Depth=0.21 Spread= 4.12 Veloc= 4.41

CRITERIA

Runoff computed by Rational Method Manning's n Gutter=0.013 Manning's n Pavement=0.022

Clogging Factors in Sag Location:

----- Curb Opening= 1.25 Gate= 2.00 Slotted Drain= 1.00 Comb-Curb= 1.25 Comb-Grate= 2.00

Clogging Factors on Continuous Grade:

----- Curb Opening= 1.25 Gate= 2.00 Slotted Drain= 1.25 Comb-Curb= 1.25 Comb-Grate= 2.00

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Project : LEGENDS

Sta INPUT
 Intens.= 3.00 C1=0.40 A1= 0.69 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d15 C2=0.00 A2= 0.00 Qrunoff= 0.8 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0101 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 0.8 Quint= 0.8 Flowby dn= 0.0 Depth=0.22 Spread= 4.67 Veloc= 2.57

Sta INPUT
 Intens.= 3.00 C1=0.46 A1= 0.58 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d16 C2=0.00 A2= 0.00 Qrunoff= 0.8 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0115 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 0.8 Quint= 0.8 Flowby dn= 0.0 Depth=0.22 Spread= 4.32 Veloc= 2.76

Sta INPUT
 Intens.= 4.00 C1=0.48 A1= 0.19 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d19 C2=0.00 A2= 0.00 Qrunoff= 0.4 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0115 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 0.4 Quint= 0.4 Flowby dn= 0.0 Depth=0.17 Spread= 1.77 Veloc= 2.75

Sta INPUT
 Intens.= 1.50 C1=0.70 A1= 0.60 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d20 C2=0.00 A2= 0.00 Qrunoff= 0.6 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0072 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 0.6 Quint= 0.6 Flowby dn= 0.0 Depth=0.22 Spread= 4.32 Veloc= 2.17

Sta INPUT
 Intens.= 1.50 C1=0.63 A1= 0.66 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d85 C2=0.00 A2= 0.00 Qrunoff= 0.6 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0072 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 0.6 Quint= 0.6 Flowby dn= 0.0 Depth=0.22 Spread= 4.27 Veloc= 2.18

CRITERIA

Runoff computed by Rational Method Manning's n Gutter=0.013 Manning's n Pavement=0.022

Clogging Factors in Sag Location:

----- Curb Opening= 1.25 Gate= 2.00 Slotted Drain= 1.00 Comb-Curb= 1.25 Comb-Grate= 2.00

Clogging Factors on Continuous Grade:

----- Curb Opening= 1.25 Gate= 2.00 Slotted Drain= 1.25 Comb-Curb= 1.25 Comb-Grate= 2.00

Prepared by: Date:03/29/10 Time:08:03:30 Checked by: Date:

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Project : LEGENDS

Sta INPUT
 Intens.= 4.00 C1=0.50 A1= 0.33 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d17 C2=0.00 A2= 0.00 Qrunoff= 0.7 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0115 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 0.7 Qint= 0.7 Flowby dn= 0.0 Depth=0.20 Spread= 3.67 Veloc= 2.77

Sta INPUT
 Intens.= 4.00 C1=0.51 A1= 0.27 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d21 C2=0.00 A2= 0.00 Qrunoff= 0.6 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0072 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 0.6 Qint= 0.6 Flowby dn= 0.0 Depth=0.21 Spread= 3.87 Veloc= 2.18

Sta INPUT
 Intens.= 4.00 C1=0.52 A1= 0.14 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d86 C2=0.00 A2= 0.00 Qrunoff= 0.3 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0072 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 0.3 Qint= 0.3 Flowby dn= 0.0 Depth=0.17 Spread= 1.77 Veloc= 2.19

CRITERIA

Runoff computed by Rational Method Manning's n Gutter=0.013 Manning's n Pavement=0.022

Clogging Factors in Sag Location:

----- Curb Opening= 1.25 Grate= 2.00 Slotted Drain= 1.00 Comb-Curb= 1.25 Comb-Grate= 2.00

Clogging Factors on Continuous Grade:

----- Curb Opening= 1.25 Grate= 2.00 Slotted Drain= 1.25 Comb-Curb= 1.25 Comb-Grate= 2.00

Prepared by: Date:03/29/10 Time:08:03:43 Checked by: Date:
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Project : LEGENDS

Sta INPUT
 Intens.= 2.00 C1=0.48 A1= 1.20 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d81 C2=0.00 A2= 0.00 Qrunoff= 1.2 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0189 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 1.2 Qint= 1.2 Flowby dn= 0.0 Depth=0.22 Spread= 4.72 Veloc= 3.52

Sta INPUT
 Intens.= 3.00 C1=0.64 A1= 0.58 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d82 C2=0.00 A2= 0.00 Qrunoff= 1.1 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0250 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 1.1 Qint= 1.1 Flowby dn= 0.0 Depth=0.21 Spread= 4.12 Veloc= 4.07

Sta INPUT
 Intens.= 4.00 C1=0.49 A1= 0.64 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d83 C2=0.00 A2= 0.00 Qrunoff= 1.3 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0541 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 1.3 Qint= 1.3 Flowby dn= 0.0 Depth=0.19 Spread= 3.22 Veloc= 6.07

Sta INPUT
 Intens.= 4.00 C1=0.60 A1= 0.15 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d87 C2=0.00 A2= 0.00 Qrunoff= 0.4 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0232 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 0.4 Qint= 0.4 Flowby dn= 0.0 Depth=0.14 Spread= 1.36 Veloc= 3.57

Sta INPUT
 Intens.= 4.00 C1=0.50 A1= 0.20 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d89 C2=0.00 A2= 0.00 Qrunoff= 0.4 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0232 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 0.4 Qint= 0.4 Flowby dn= 0.0 Depth=0.15 Spread= 1.41 Veloc= 3.66

CRITERIA

Runoff computed by Rational Method Manning's n Gutter=0.013 Manning's n Pavement=0.022
 Clogging Factors in Sag Location:
 ----- Curb Opening= 1.25 Gate= 2.00 Slotted Drain= 1.00 Comb-Curb= 1.25 Comb-Grate= 2.00
 Clogging Factors on Continuous Grade:
 ----- Curb Opening= 1.25 Gate= 2.00 Slotted Drain= 1.25 Comb-Curb= 1.25 Comb-Grate= 2.00

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Project : LEGENDS

Sta INPUT
 Intens.= 4.00 C1=0.61 A1= 0.20 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d80 C2=0.00 A2= 0.00 Qrunoff= 0.5 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0189 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 0.5 Qint= 0.5 Flowby dn= 0.0 Depth=0.17 Spread= 1.87 Veloc= 3.57

Sta INPUT
 Intens.= 4.00 C1=0.63 A1= 0.30 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d84 C2=0.00 A2= 0.00 Qrunoff= 0.8 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0541 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 0.8 Qint= 0.8 Flowby dn= 0.0 Depth=0.16 Spread= 1.62 Veloc= 5.92

Sta INPUT
 Intens.= 4.00 C1=0.55 A1= 0.28 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d88 C2=0.00 A2= 0.00 Qrunoff= 0.6 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0232 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 0.6 Qint= 0.6 Flowby dn= 0.0 Depth=0.18 Spread= 2.32 Veloc= 3.95

Sta INPUT
 Intens.= 4.00 C1=0.49 A1= 0.21 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d90 C2=0.00 A2= 0.00 Qrunoff= 0.4 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0232 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 0.4 Qint= 0.4 Flowby dn= 0.0 Depth=0.15 Spread= 1.42 Veloc= 3.71

CRITERIA

Runoff computed by Rational Method Manning's n Gutter=0.013 Manning's n Pavement=0.022
 Clogging Factors in Sag Location:
 ----- Curb Opening= 1.25 Grate= 2.00 Slotted Drain= 1.00 Comb-Curb= 1.25 Comb-Grate= 2.00
 Clogging Factors on Continuous Grade:
 ----- Curb Opening= 1.25 Grate= 2.00 Slotted Drain= 1.25 Comb-Curb= 1.25 Comb-Grate= 2.00

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Project : LEGENDS

Sta INPUT
 Intens.= 4.00 C1=0.50 A1= 0.30 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d26 C2=0.00 A2= 0.00 Qrunoff= 0.6 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0148 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 0.6 Qint= 0.6 Flowby dn= 0.0 Depth=0.19 Spread= 2.92 Veloc= 3.19

Sta INPUT
 Intens.= 4.00 C1=0.51 A1= 0.17 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d30 C2=0.00 A2= 0.00 Qrunoff= 0.3 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0127 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 0.3 Qint= 0.3 Flowby dn= 0.0 Depth=0.16 Spread= 1.50 Veloc= 2.82

Sta INPUT
 Intens.= 4.00 C1=0.51 A1= 0.22 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d69 C2=0.00 A2= 0.00 Qrunoff= 0.5 Slope2= 0.1070 a = 5.50 Lgrate= 8.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0091 Slope3= 0.0200 W = 2.00 Length= 9.00

OUTPUT
 Flowby= 0.0 Qtotal= 0.5 Qint= 0.5 Flowby dn= 0.0 Depth=0.19 Spread= 2.77 Veloc= 2.51

Sta INPUT
 Intens.= 4.00 C1=0.51 A1= 0.27 Qadd = 0.0 Slope1= 3.0000 Gutter= 1.50 Area = 7.18
 CB ID = d71 C2=0.00 A2= 0.00 Qrunoff= 0.6 Slope2= 0.1070 a = 5.50 Lgrate= 4.00
 Com P-1-7/8 C3=0.00 A3= 0.00 Grade = 0.0000 Slope3= 0.0200 W = 2.00 Length=18.00

OUTPUT
 Flowby= 0.0 Qtotal= 0.6 Qint= 0.6 Flowby dn= 0.0 Depth=0.05 Spread= 0.44 Veloc= 0.00

CRITERIA

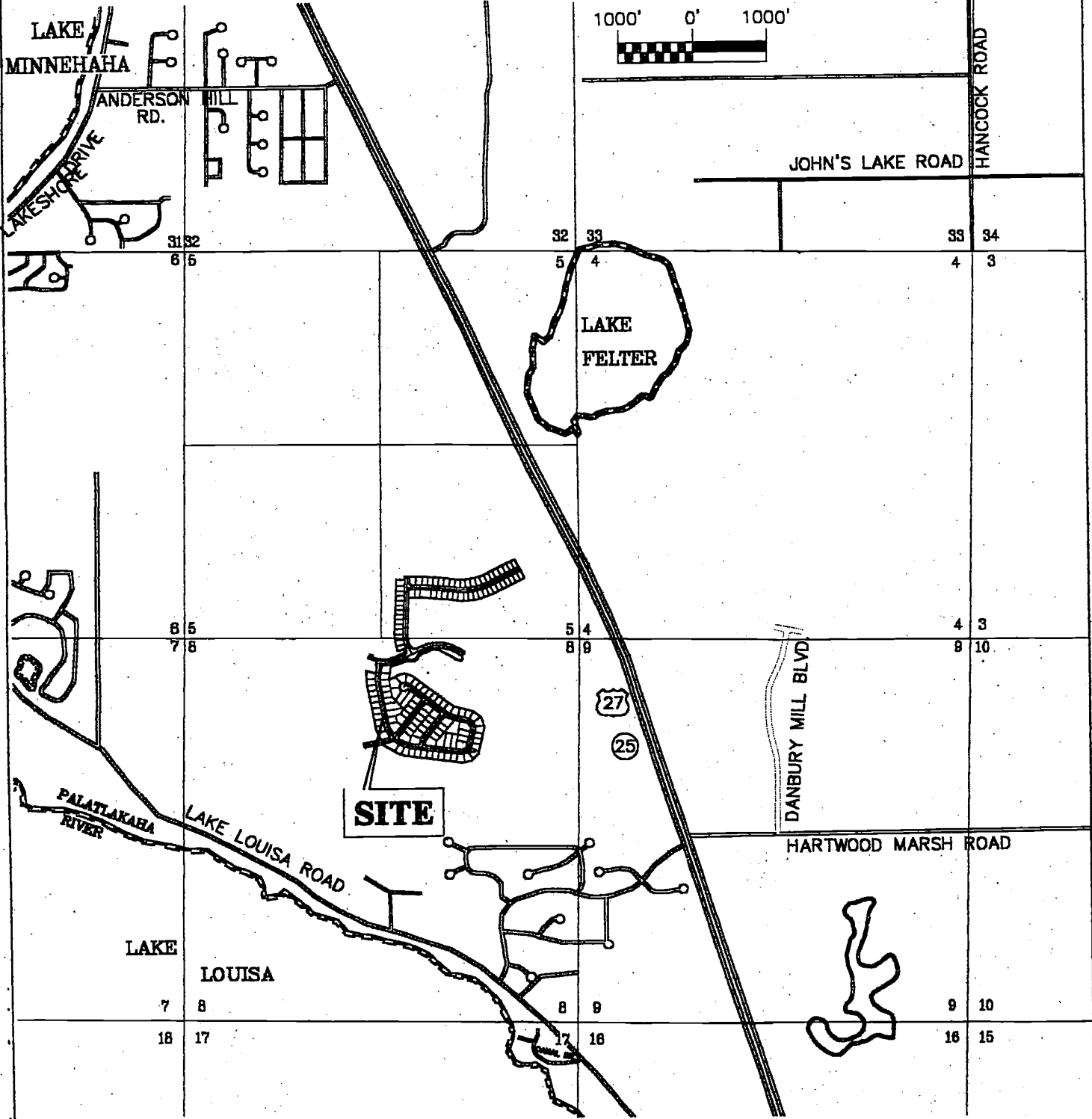
Runoff computed by Rational Method Manning's n Gutter=0.013 Manning's n Pavement=0.022
 Clogging Factors in Sag Location:
 ----- Curb Opening= 1.25 Gate= 2.00 Slotted Drain= 1.00 Comb-Curb= 1.25 Comb-Grate= 2.00
 Clogging Factors on Continuous Grade:
 ----- Curb Opening= 1.25 Gate= 2.00 Slotted Drain= 1.25 Comb-Curb= 1.25 Comb-Grate= 2.00

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Scale: 1"=2000'

1000' 0' 1000'



#4-069-0357AM2-ERP



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▲ ENGINEERS
▲ SURVEYORS
▲ PLANNERS

800 North Brock Avenue • Tallahassee, Florida 32378 • (904) 843-6481

**LEGENDS PHASE II
AT CLERMONT**

LOCATION MAP

DATE: MARCH 26, 2000

JOB NO. 961804.036

MSSV GIS Processing Sheet

Application # 4-069-0357 AM2-ERP

Section(s) 5, 8

Township(s) 23

Range(s) 26

Basin Code EB OB UB WB WP Other

Date Mapped 4-11-00 Acceptable? Yes No

Map # 49 Quad Name Clemmont-E

Additional Quads/Comments

Mapper's Initials AR

Reviewer _____