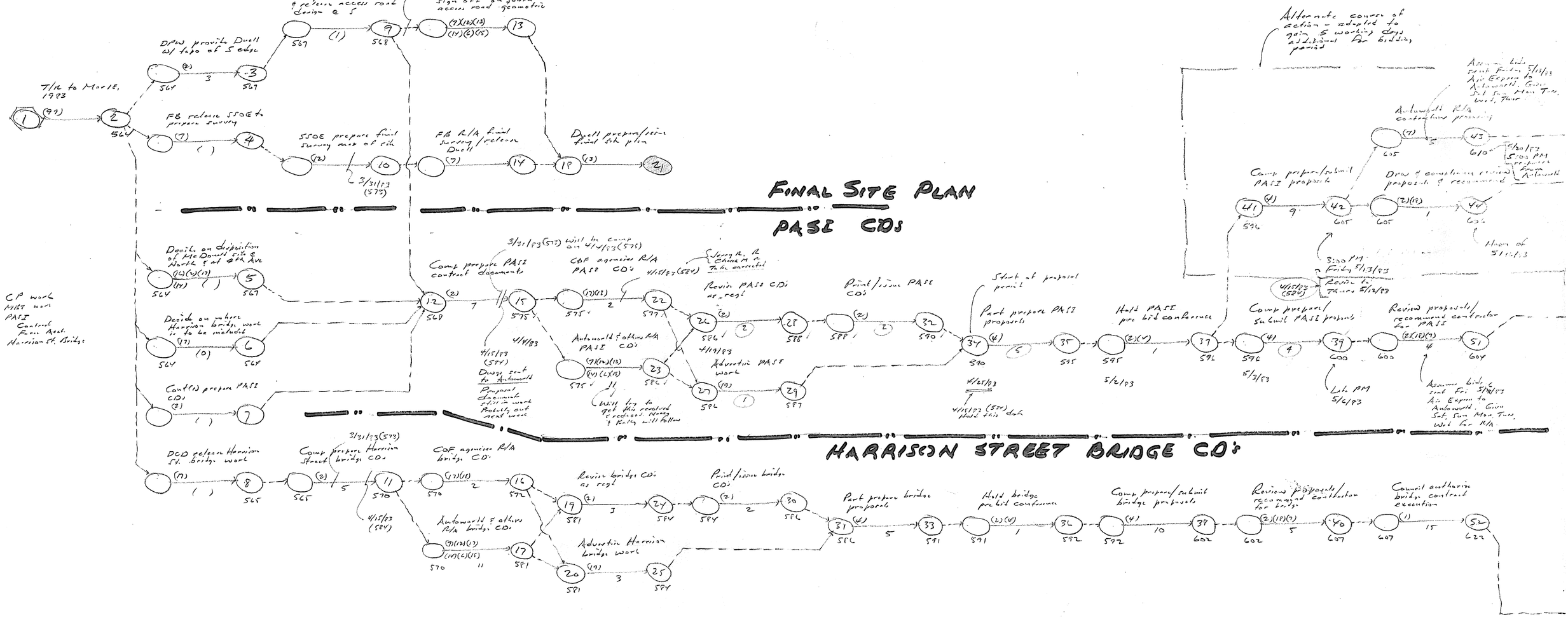



## Responsibility Codes

99 T/R
1 City council
2 DPW
3 Jerry Rogoski
4 Unnamed contractor
5 CDC
6 D&A
7 Autoworld
8 Traffic department
9 Consumers Power
10 Michigan Bell Telephone
11 Water Dept
12 SSOE
13 Duell
14 DDA
15 Mott Found
16 McDonald's
17 DCD
18 C&F contract compliance
19 C&F purchasing
20 C&F
21 PASI contractor
22 Bridge contractor
23 Special affairs committee

## Abbreviations

T/R Time requirement
FB Fred Birchill
PASI Public area site improvements
CD Contract documents
R/A Review & approve
ET/R End time restraint
E&P End of project
LN Low node number
HN High node number
DAFD Detail approve, fabricate, deliver
C&F City of Flint

| MONITORING RECORD | | | | | | ISSUE RECORD | |
|---|---|---|---|---|---|---|---|
| DATE | | DATE | | DATE | | ISSUE No. | DATE |
| | | | | | | 1 | MAR 17, 83 |
| | | | | | | 2 | MAR 31, 83 |
| | | | | | | 3 | APR 15, 83 |

Resource Made Nov.
4/1 VL
4/4 HJ
4/8 VL
4/11 HJ
4/15 50

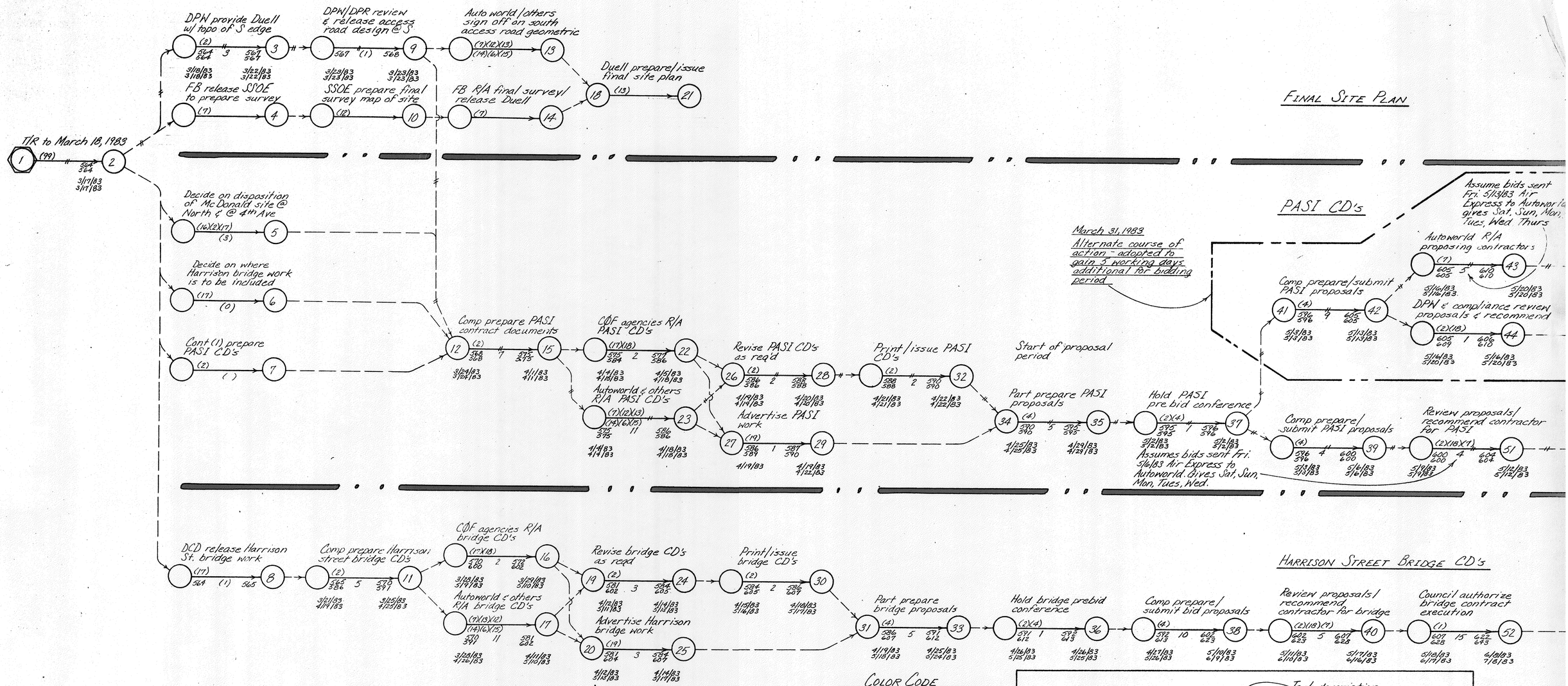
LN 1
HN 52

NETWORK MODEL FOR
PASI WORK - AUTOWORLD
FLINT MICHIGAN

RALPH J. STEPHENSON, P.E.
15064 WARWICK ROAD
DETROIT, MICHIGAN 48223
CONSULTANT PH 273-5026

73

MULTI-COLOR 250 2-82 MC 33944




## Responsibility Codes

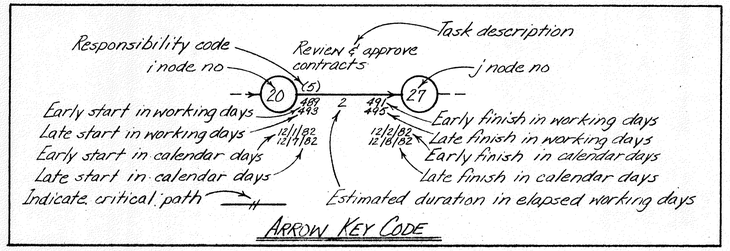
99. Time restraints
1. City council
2. D.P.W.
3. Jerry Lagsdale
4. Unnamed contractor
5. C.D.C.
6. D & A
7. Autoworld
8. Traffic department
9. Consumers Power
10. Michigan Bell Telephone
11. Water Department
12. S.S.O.E.
13. Duell
14. D.D.A.
15. Mott Foundation
16. McDonald
17. D.C.D.
18. CØF contract compliances
19. CØF purchasing
20. CØF
21. PASI contractor
22. Bridge contractor
23. Special affairs committee

## Abbreviations

| | |
|---|---|
| CD | Contract documents |
| CØF | City of Flint |
| DAFD | Detail, approve, fabricate, deliver |
| EØP | End of project |
| ET/R | End time restraint |
| FB | Fred Birchill |
| HN | High node number |
| LN | Low node number |
| PASI | Public area site improvements |
| R/A | Review & approve |
| T/R | Time restraint |

## Color Code

| | |
|---|---|
| = Green | Task on time not past early finish |
| = Orange | Task on time past early finish |
| = Blue | Task behind not past late finish |
| = Yellow | Task behind past late finish |




| MONITORING RECORD | | | | | | ISSUE RECORD | |
|---|---|---|---|---|---|---|---|
| DATE | | DATE | | DATE | | ISSUE No. | DATE |
| | | | | | | 1 | MAR 17, 83 |
| | | | | | | 2 | MAR 31, 83 |
| | | | | | | 3 | APR 14, 83 |

## Reserved Node Nos

| | |
|---|---|
| ~~41~~ | 46 |
| ~~42~~ | 47 |
| ~~43~~ | 48 |
| ~~44~~ | 49 |
| 45 | 50 |

LN 1
HN 52
EØP

79:30

# NETWORK MODEL FOR PASI WORK - AUTOWORLD FLINT, MICHIGAN

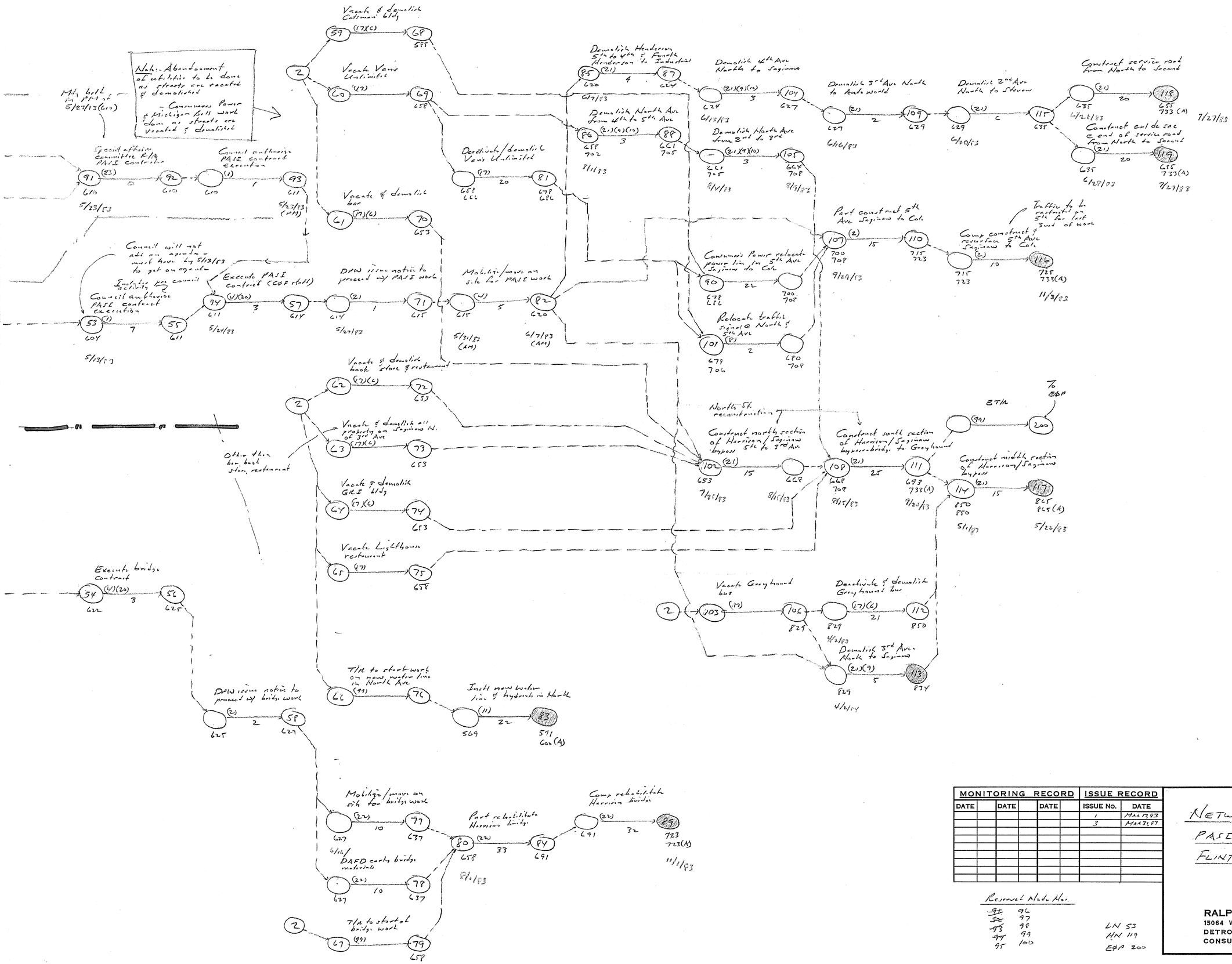
107

RALPH J. STEPHENSON, P.E.
15064 WARWICK ROAD
DETROIT, MICHIGAN 48223
CONSULTANT PH 273-5026

73

JB

MULTI-COLOR 250 2-85 MC 2024




| MONITORING RECORD | | | | | | ISSUE RECORD | |
|---|---|---|---|---|---|---|---|
| DATE | | DATE | | DATE | | ISSUE No. | DATE |
| | | | | | | 1 | MAR 17,83 |
| | | | | | | 3 | MAR 31,83 |

Reserved Node Nos.

~~91~~ 96
~~92~~ 97
~~93~~ 98
~~94~~ 99
95 100

LN 53
HN 119
EPP 200

NETWORK MODEL FOR PASE WORK - AUTOWORLD FLINT, MICHIGAN

108

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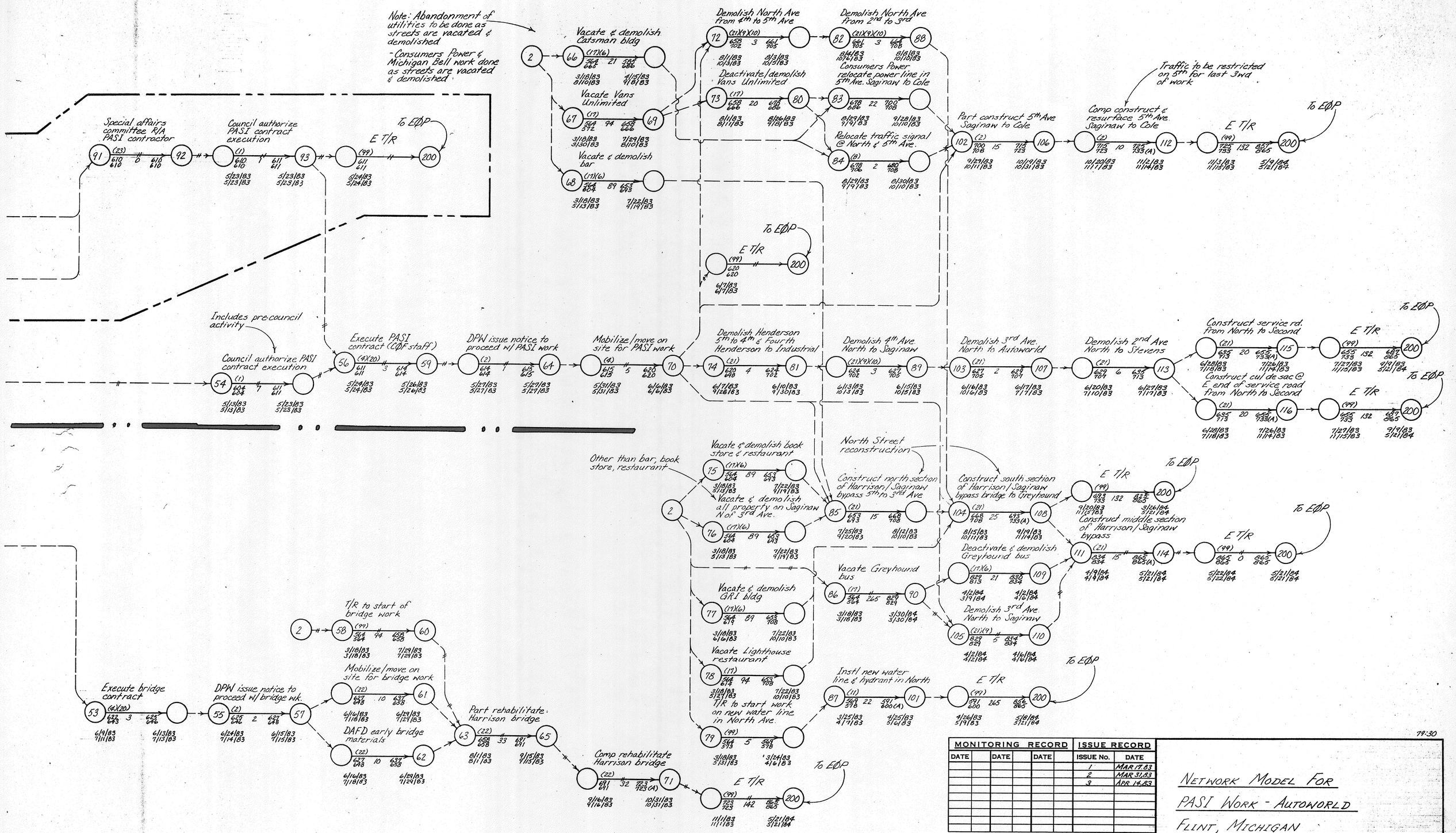
DETROIT, MICHIGAN 48223
CONSULTANT PH 273-5026

74

MULTI-COLOR 230 2-82 MC 3994




| MONITORING RECORD | | | | | |
|---|---|---|---|---|---|
| DATE | | DATE | | DATE | |

| ISSUE RECORD | |
|---|---|
| ISSUE No. | DATE |
| 1 | MAR 17, 83 |
| 2 | MAR 31, 83 |
| 3 | APR 14, 83 |

Reserved Node Nos.

| | |
|---|---|
| ~~91~~ | 96 |
| ~~92~~ | 97 |
| ~~93~~ | 98 |
| ~~94~~ | 99 |
| 95 | 100 |

LN 53
HN 116
EØP 200

79:30

NETWORK MODEL FOR PASI WORK - AUTOWORLD FLINT, MICHIGAN

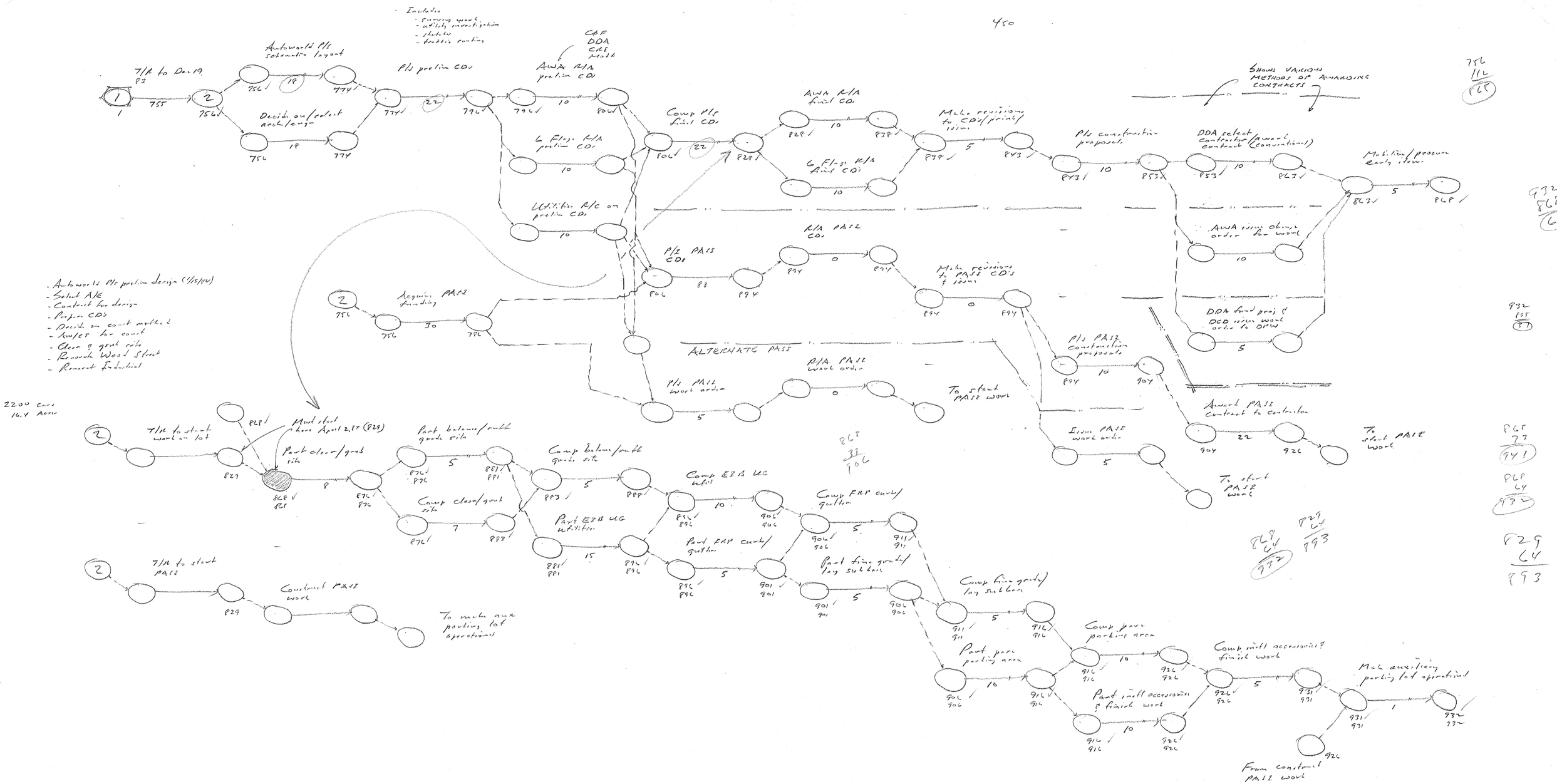
RALPH J. STEPHENSON, P.E.
15064 WARWICK ROAD
DETROIT, MICHIGAN 48223
CONSULTANT PH 273-5026

109

74

JB

MULTI-COLOR 320 2-48 MC 320H




| MONITORING RECORD | | | | | | ISSUE RECORD | |
|---|---|---|---|---|---|---|---|
| DATE | | DATE | | DATE | | ISSUE No. | DATE |
| | | | | | | 1 | Dec 19, 93 |

Received Made Mar.

NETWORK MODEL FOR AUTO WORLD OFF SITE PARKING - FLINT, MICHIGAN

133

105

RALPH J. STEPHENSON, P.E.
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DETROIT, MICHIGAN 48223
CONSULTANT PH 273-5026

MULTI-COLOR 250 2-92 MC 3994

Bob Hogan

Pedestrian study !!

276
158
118
30
88

CD's to be issued
Financial closing Nov. 2, 1981 (214) Related to UDAG financing
Distribute bid package Feb. 1, 1982 (276)
(by DPW)
Financial closing (?) Feb 1, 1982 (276) Related to private financing
Grand opening March 1, 198 ( )
Site improvements (PASI) - Complete Nov 1, 1982 (703) off site
on site

Laundry list

Definition of PASI work
- Establish division of work (PASS & Facility (FAC))
- Prepare PASI & FAC work CD's
- R/A PASI CD's
- R/A FAC CD's
- Make revisions to PASI CD's
" " " FAC CD's
- Issue PASI CD's
" " FAC CD's
- Check approvals needed by
Design review committee
Riverfront Advisory Committee
U of M
Parks & recreation
Traffic
MDOT
CP
DCD
DPW
Site plan rereview

Traffic
- Propose pedestrian circulation traffic study
- " bike " " " "
- Widen 5th Ave from Chippewa to James P. Cole (to 5 lanes, on S side)
- Const North St, Saginaw St connection
- Vacation of 4th Ave - Saginaw to Industrial (includes demolition)
- " " North St - 5th Ave to 2nd Ave
- " " Henderson - 5th Ave to 4th Ave
- " " 2nd Ave - Stevens St. Bridge to North St
- Define adjacent projects to Auto World relationships
- Design & install signalization
- Service traffic access. McDonald's, Auto World
- Stevens St. bridge improvements
-

Responsibility Codes

Limit lines

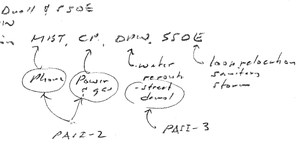
{ On site ext PASI
Off site ext PASI
On site int PASI above grade
On site int PASI below grade }

8/27/81 Intersection

done → ✓ - Obtain approval of new route
in work - Issue bull
- Prin bull
- Issue CO
- Assure contractor of vacation
in wk → - Prepare/negotiate easement w/ DDA
-

Street reconstruction

PASI
On site R. Duell & SSOE
Off site DPW
Site preparation MDOT, CP, DPW, SSOE




PASI (3) (all outside R/W & inside property lines)
- Demolish 4th, 3rd, 2nd North, Henderson within property boundaries
- Storm drainage
- Abandon or remove existing underground util.
- Demolish existing bldgs
- UG elect
- UG irrigation
- No primary power work
- Light poles bases, poles, conduit & wire
- Traffic control wiring
- Security wiring (?)
- Fire alarm
- Fine grading
- Paving
- Striping
- Bumpers
- Curb, gutters, walks
- Pavers
- Landscaping
- Rough grading
- Parking bumpers
- Signs
- Existing structures & equip
- Fencing
- Retaining walls
-

① PASI early site preparation
To be installed as early construction proceeds
- New 18" main & 12" look water line around new dome (by Apr 1, 1982)
- New 36" sanitary line east of dome (by Apr 1, 1982)
- New 30" storm line c SE corner (major addition) (could pump) (by Apr 1, 1982)

Apr 1, 82 (319)

② PASI later site preparation
③ PASI on site work
④ PASI off site work

To be operational by grand opening
- Burton St. improvements
- Stevens St Bridge "
- East Blvd "
- North - Saginaw connector complete
- Access to McDonald's thru RR ROW available
- All UC work complete in above ROW's
- Intersections improved & signalization improved
5th Ave & Cole
Longway & East
5th Ave & Longway
Access to UM
- 2nd St partially abandoned
- North abandoned 2nd to 5th
etc
- Saginaw - additional lane 4th to 5th
- PASI on site Nov 1, 8 ( )
- PASI off site Nov 1, 8 ( )

Document number

Table #1 From sht # F-2

Assemble proposal package, release for proposals, receive proposals

| Activity | Document prepared by | Payor | Payee | Approvals reqd on | Approvals reqd from | Issued by (of record) | Distribution by | Comments required from | Award contract | Do work | Manage work |
|---|---|---|---|---|---|---|---|---|---|---|---|
| PASI-1 CD's prepared by SSOE | SSOE | Duell | SSOE | CD's | DPW Duell | Duell | | CP MDOT | | | |
| PASI-1 gen reqmts & proposal forms | COF | | D&A | Gen reqmts & forms | - | COF | COF assemble DDA release DDA receive | Duell DPW | DDA | COF and private contractor | COF thru DDA ? |
| PASI-1 water main CD's | DPW | | | CD's | - | DPW | | CP MDOT SSOE Duell | | | |
| On site PASI ext limit<br>On site PASI int limit above grade<br>On site PASI int limit below grade | Duell (Limit lines) | - | - | Limit lines | FACI COF | SSOE (DDA) (nursing work) | DDA | - | - | - | - |

To be rearranged.

79:30

| MONITORING RECORD | | | | | | ISSUE RECORD | |
|---|---|---|---|---|---|---|---|
| DATE | | DATE | | DATE | | ISSUE No. | DATE |
| | | | | | | 1 | Aug 13, 81 |
| | | | | | | 2 | Aug 27, 81 |

NETWORK MODEL FOR
AUTOWORLD PASI WORK
FLINT, MICHIGAN

#085

F-1


RALPH J. STEPHENSON, P.E.
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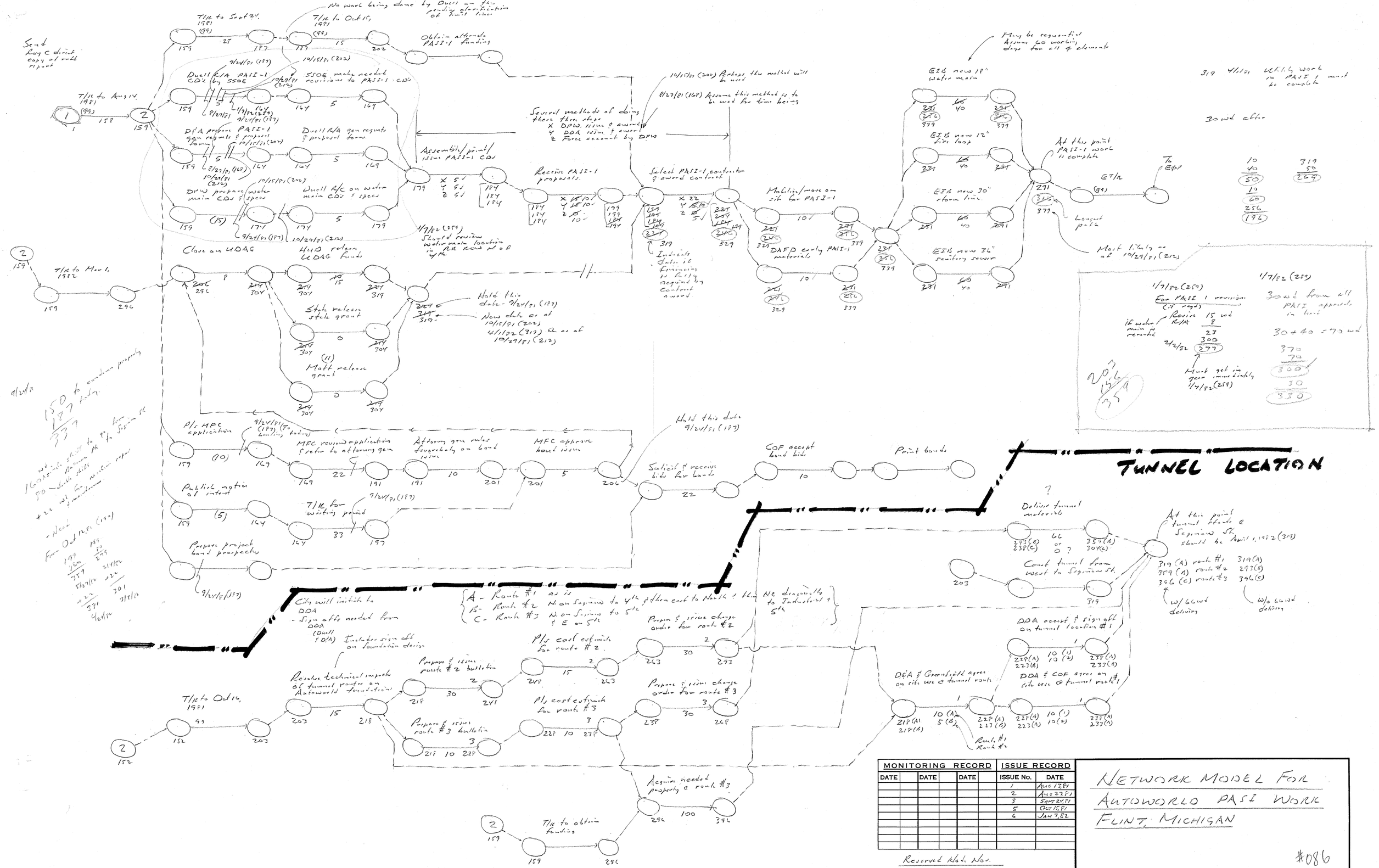
CONSULTANT PH 273-5026


MULTI-COLOR 791934

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|---|---|---|---|---|---|---|---|
| DATE | | DATE | | DATE | | ISSUE No. | DATE |
| | | | | | | 1 | Aug 13, 81 |
| | | | | | | 2 | Aug 22, 81 |
| | | | | | | 3 | Sept 24, 81 |
| | | | | | | 5 | Oct 15, 81 |
| | | | | | | 6 | Jan 7, 82 |

Reserved Node Nos.

# NETWORK MODEL FOR AUTOWORLD PASI WORK FLINT, MICHIGAN

#086

1

RALPH J. STEPHENSON, P.E.
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DETROIT, MICHIGAN 48223
CONSULTANT PH 273-5026

MULTI-COLOR 75155a

See tab #1 on sht F-1

as related to utility companies ?

PASI 2 work (scope = phone, power, gas, cable TV, fire alarm, security, parking & traffic U/G work).

Overall relational factors

CPi — Party of record

Prepared / issued by Duell
Prepared by SSOE & issued by Duell
Surveys prepared / issued by SSOE
Prepared / issued by utility companies
- CP
- MBT

Prepared / issued by COF
- Water
- Sanitary
- Storm
- Paving
- Bridge reclamation
- Signalization
- Fire alarm

Prepared / issued by D & A

Distributors (those who distribute project materials)
- COF
- Duell
- AWA
- DDA
- Designers of record

Payor (the ones who pay & enter into a contract)

AWA } Primary
DDA }

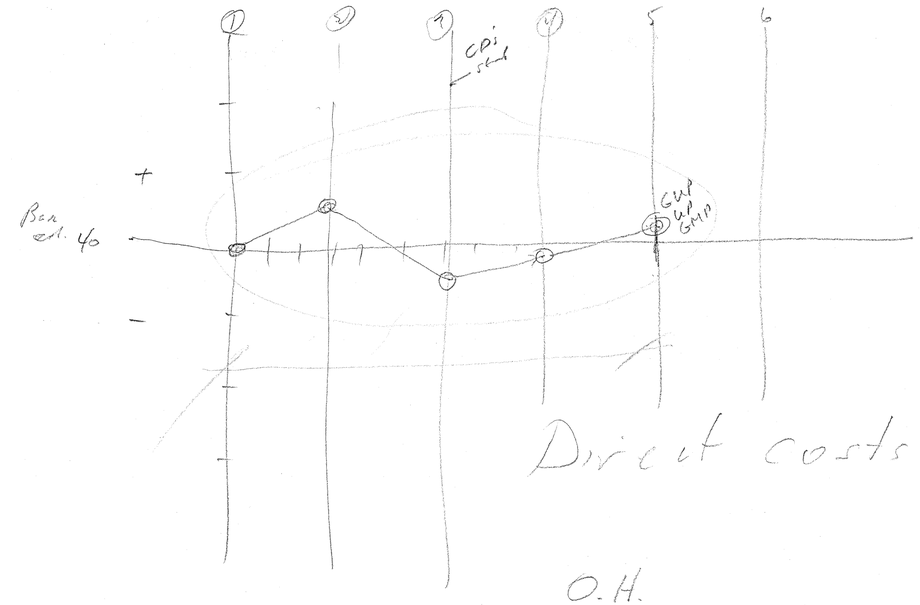
Duell
SSOE
COF
Contractors } Secondary
etc

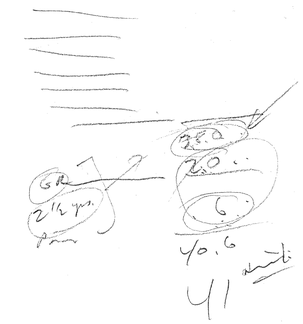
Payees (those who get paid)

Primary — where money goes first
- AWA
- DDA

Secondary
- COF
- contractors
- designers
- utility companies
- equip suppliers
- testing agencies

Approvals required on
- Shop drgs
- Samples
- Contract documents
- Design concepts
  - Schematics
  - Preliminaries
  - Design development
  - Working documents
- Work plans
- Schedules



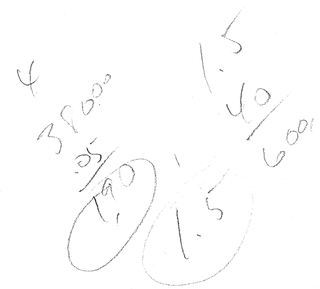




Direct costs — X

O.H. — 4% to 6%

Profit — 2% to 3%

X + 6%(X) to X + 9%(X)




79:30

| MONITORING RECORD | | | | | | ISSUE RECORD | |
|---|---|---|---|---|---|---|---|
| DATE | | DATE | | DATE | | ISSUE No. | DATE |
| | | | | | | 1 | - |
| | | | | | | 2 | Aug 22 79 |

NETWORK MODEL FOR
AUTOWORLD PASI WORK
FLINT, MICHIGAN

#087

F-2


RALPH J. STEPHENSON, P.E.
15064 WARWICK ROAD
DETROIT, MICHIGAN 48223
CONSULTANT PH 273-5026

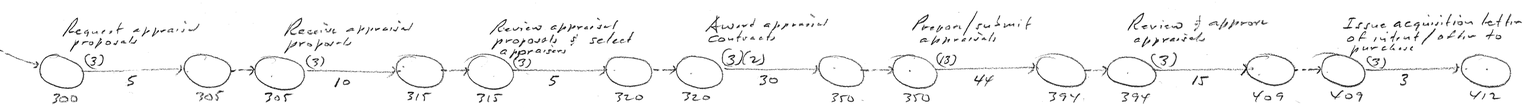

MULTI-COLOR 79195a

At this point we have an agreement executed w/ the arch/engr

(169)
362

At this point mayor has R/A project report

(60)
300




100 to 150 wkg days to demolition from letter of offer

412
150
562
450
1012

Council approvals required for

- Retention of arch/engr
- Retention of appraisers
- Retention of special consultant services
- Request to condemn
- Land acquisition agreements
- Street vacations
- Economic development plans
- Zoning ordinance & map change
- Construction contracts
- Demolition contracts
- Acceptance of grants
- Submission of grant application
- City property sales

3,500,000
3,500,000

50,000
70
3,500,000
2,000,000
5,500,000
750,000
6,250,000

79:30

| MONITORING RECORD | | | | | | ISSUE RECORD | |
|---|---|---|---|---|---|---|---|
| DATE | | DATE | | DATE | | ISSUE No. | DATE |
| | | | | | | 1 | - |
| | | | | | | 2 | - |
| | | | | | | 3 | Aug 2781 |
| | | | | | | 4 | - |

Removed Block Nos

LN
HN

NETWORK MODEL FOR WWD PROJECT

FLINT, MICHIGAN

088
~~#078~~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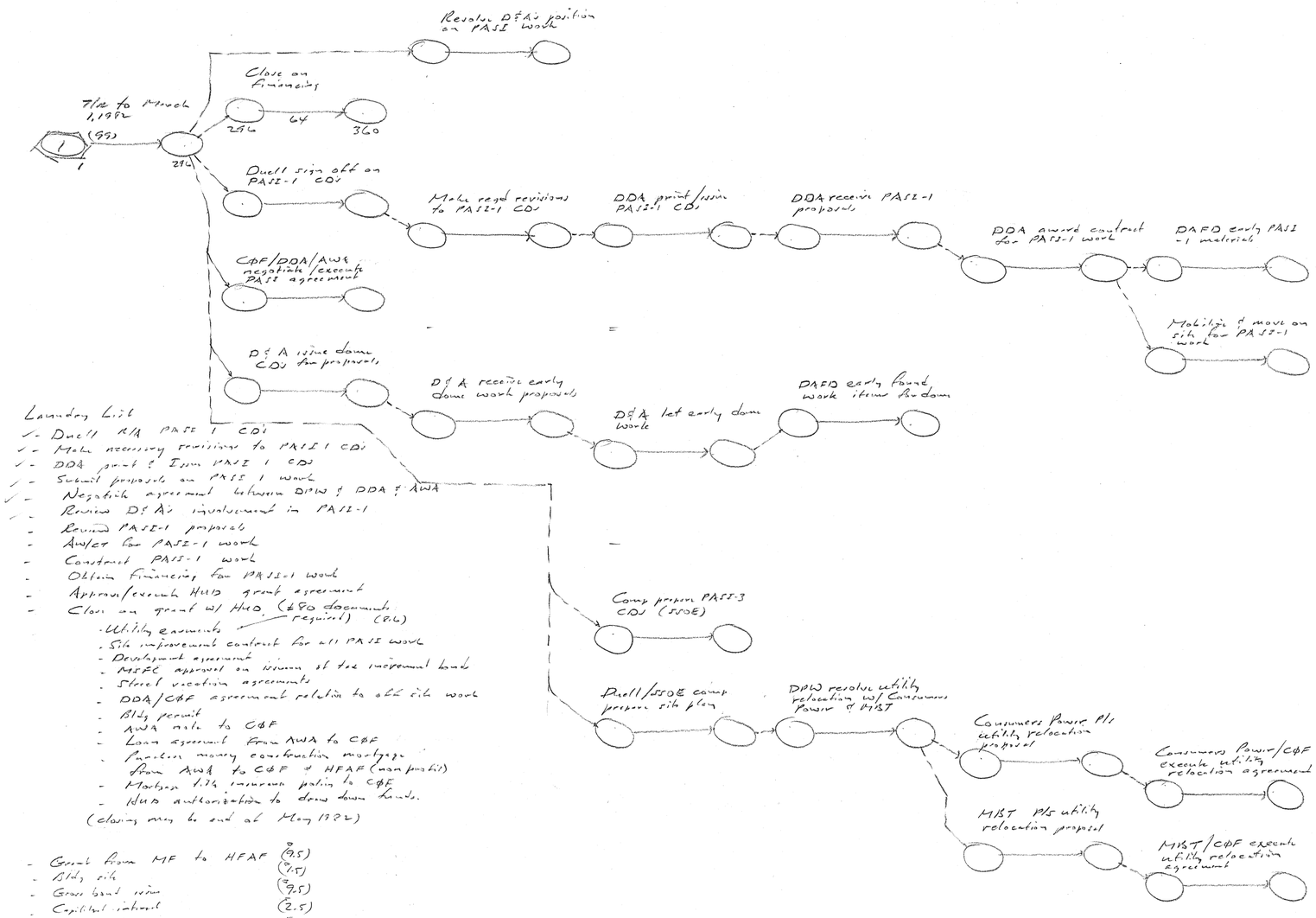
15064 WARWICK ROAD
DETROIT, MICHIGAN 48223
CONSULTANT PH 273-5026


57

MULTI-COLOR 79195a




Laundry List

- ✓ - Duell R/A PASI 1 CDs
- ✓ - Make necessary revisions to PASI 1 CDs
- ✓ - DDA print & Issue PASI 1 CDs
- ✓ - Submit proposals on PASI 1 work
- ✓ - Negotiate agreement between DPW & DDA & AWA
- ✓ - Review D&A involvement in PASI-1
- - Review PASI-1 proposals
- - Award for PASI-1 work
- - Construct PASI-1 work
- - Obtain financing for PASI-1 work
- - Approve/execute HUD grant agreement
- - Close on grant w/ HUD (±80 documents required) (9.6)
  - Utility easements
  - Site improvement contract for all PASI work
  - Development agreement
  - MSFC approval on issuance of the incremental bonds
  - Street vacation agreements
  - DDA/C&F agreement relative to off site work
  - Bldg permit
  - AWA note to C&F
  - Loan agreement from AWA to C&F
  - Purchase money construction mortgage from AWA to C&F & HFAF (non profit)
  - Mortgage title insurance policy to C&F
  - HUD authorization to draw down funds.

(closing may be end of May 1982)

- Grant from MF to HFAF (9.5)
- Bldg site (7.5)
- Grant bond issue (9.5)
- Capitalized interest (2.5)
- SOM (1.333 now) (4.0)
- MF (1.2)
- IEquity (7.0)
- P Donation (local) (4.0)
- P Donation (national) (60)
- Revenue bonds (DDA) (72.0)

SUPERSEDED BY NETWORK MODEL SHEET 62 - ISSUE #1 3/15/82

79:30

| MONITORING RECORD | | | | | | ISSUE RECORD | |
|---|---|---|---|---|---|---|---|
| DATE | | DATE | | DATE | | ISSUE No. | DATE |
| | | | | | | 1 | MAR 1, 82 |

Reserved Made Now.

LN
HN

NETWORK MODEL FOR
PASI WORK - AUTO WORLD
PROGRAM FLINT, MICHIGAN

#087
095

61

RALPH J. STEPHENSON, P.E.
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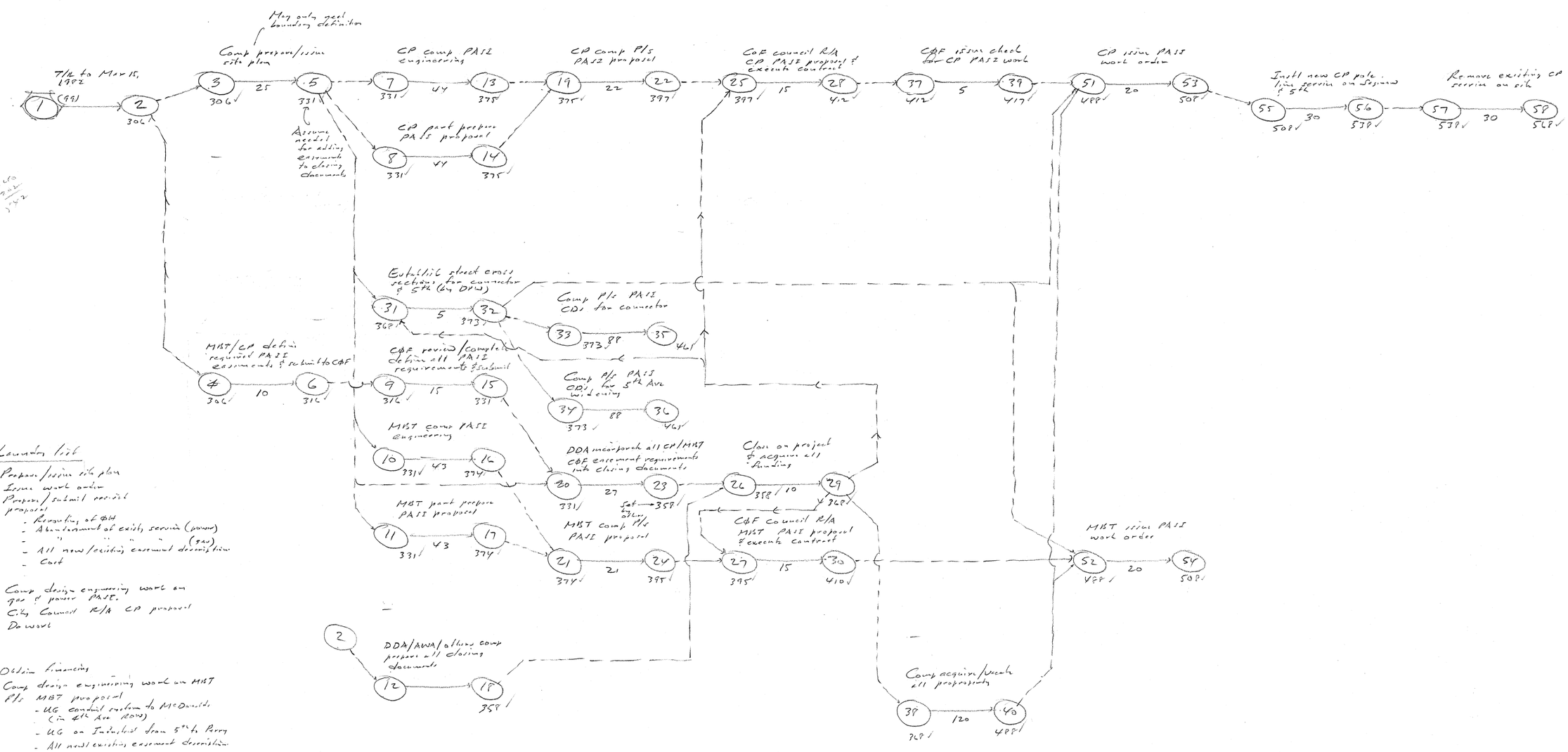
DETROIT, MICHIGAN 48223
CONSULTANT PH 273-5026

MULTI-COLOR 75195a




PRELIMINARY - FOR REVIEW ONLY

79:30

| MONITORING RECORD | | | | | | ISSUE RECORD | |
|---|---|---|---|---|---|---|---|
| DATE | | DATE | | DATE | | ISSUE No. | DATE |
| | | | | | | 1 | MAR 15, 82 |

Reserved Node Nos.

41 46
42 47
43 48
44 49
45 50

LN
HN

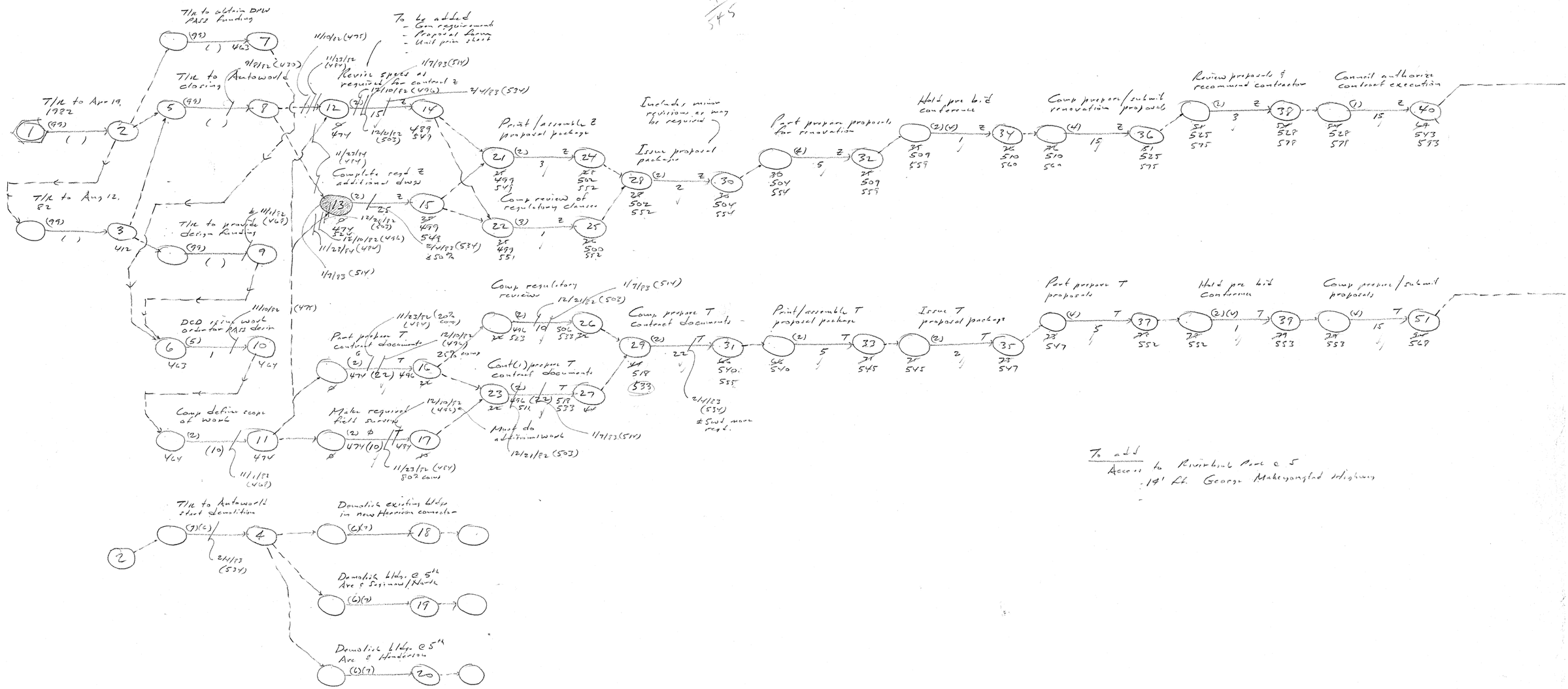
NETWORK MODEL FOR AUTOWORLD PASI WORK FLINT, MICHIGAN

RALPH J. STEPHENSON, P.E.
15064 WARWICK ROAD
DETROIT, MICHIGAN 48223
CONSULTANT PH 273-5026

097

63

MULTI-COLOR 78195a




To add
Access to Riverbank Park & 5th Ave. George Makeyanglad Highway

Responsibility Codes

1 C&F Council
2 C&F DPW
3 Jerry Rogalski
4 Unnamed Contractor
5 C&F CDC
6 D&A
7 Autoworld
8 Traffic Dept
9 Consumers Power
10 Michigan Bell Telephone
11 C&F Water Dept

Abbreviations

CP Consumers Power
T/R Time restraint
Z Z contract. Stevens & Harrison bridge work
T All PASI work except Z

Letters - See work defined on flip charts dated 8/12/82

Out 12/9/82 (E)

| MONITORING RECORD | | | | | | ISSUE RECORD | |
|---|---|---|---|---|---|---|---|
| DATE | | DATE | | DATE | | ISSUE No. | DATE |
| | | | | | | 1 | Apr 19, 82 |
| | | | | | | 2 | Mar 26, 82 |
| | | | | | | 3 | Aug 12, 82 |
| | | | | | | 4 | Sept 8, 82 |
| | | | | | | 5 | Oct 22, 82 |
| | | | | | | 6 | Nov 10, 82 |
| | | | | | | 7 | Nov 23, 82 |
| | | | | | | 8 | Dec 10, 82 |
| | | | | | | 9 | Dec 21, 82 |
| | | | | | | 10 | Feb 4, 83 |
| | | | | | | 11 | |

Reserved Node Nos.

41 46
42 47
43 48
44 49
45 50

LN 1
HN 51

79:30

NETWORK MODEL FOR
AUTOWORLD PASI WORK
FLINT, MICHIGAN

098
old sht # 6

71

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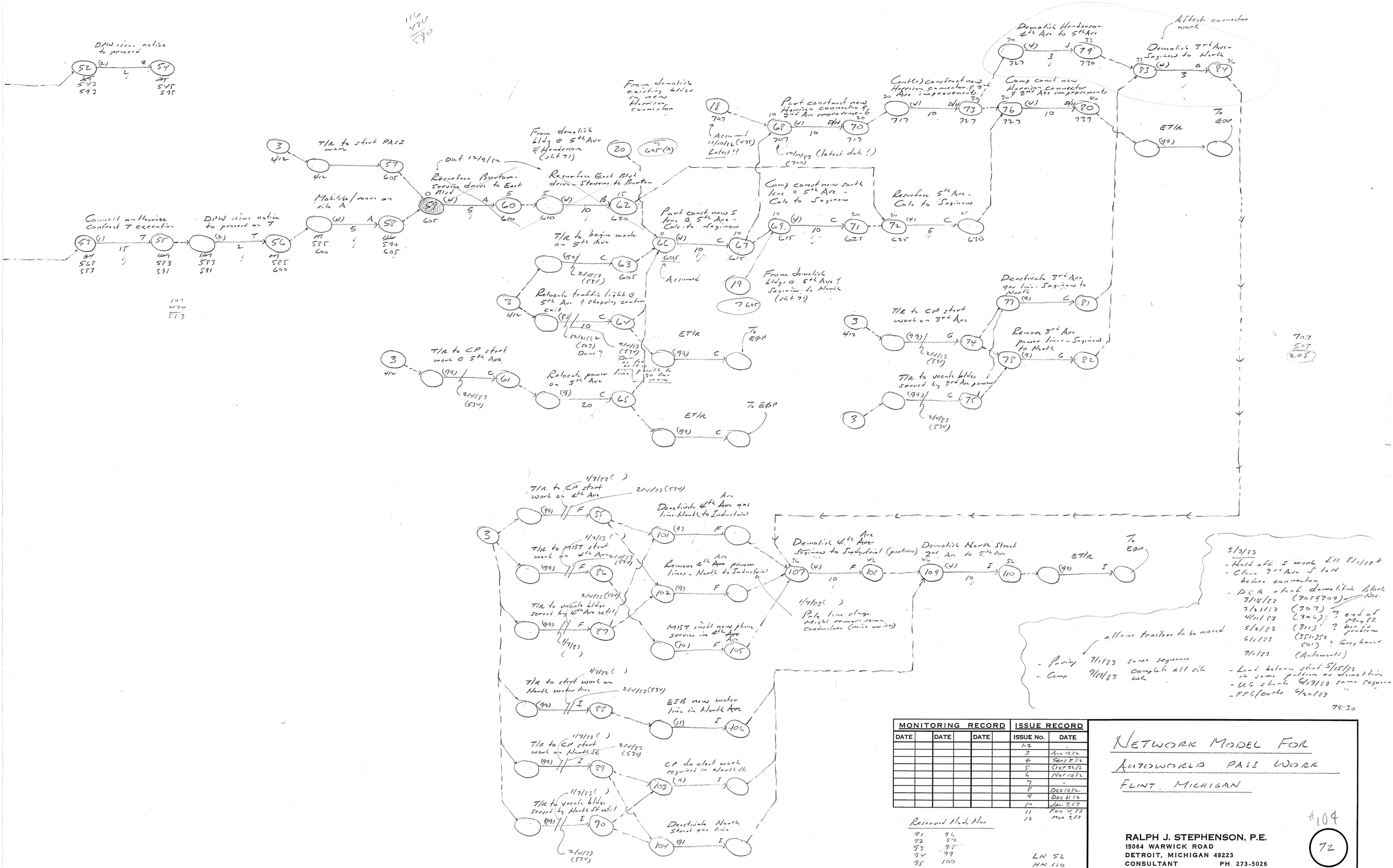
CONSULTANT PH 273-5026

MULTICOLOR 79199a




3/3/83
- Hold off S work till 5/1/83 +
- Close 3rd Ave S to N before connection
- PSA start demolition Block Nov.
  3/16/83 (307 & 309)
  3/21/83 (307) ? end of May 83.
  4/11/83 (306) ?
  5/2/83 (311) ? heavy problem
  6/1/83 (351-352 501) ? Greyhound
  7/1/83 (Autoworld)
- Land between start 5/15/83 in same pattern as demolition
- UG starts 6/13/83 same sequence
- FFG/curbs 6/20/83 " "

allows trailers to be moved

- Paving 7/1/83 same sequence
- Comp 9/19/83 complete all site work

79:30

| MONITORING RECORD | | | | | |
|---|---|---|---|---|---|
| DATE | | DATE | | DATE | |
| | | | | | |
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| ISSUE RECORD | |
|---|---|
| ISSUE No. | DATE |
| 1-2 | - |
| 3 | Aug 12, 82 |
| 4 | Sept 8, 82 |
| 5 | Oct 22, 82 |
| 6 | Nov 10, 82 |
| 7 | - |
| 8 | Dec 10, 82 |
| 9 | Dec 21, 82 |
| 10 | Jan 7, 83 |
| 11 | Feb 4, 83 |
| 12 | Mar 3, 83 |

Reserved Node Nos.

| | |
|---|---|
| 91 | 96 |
| 92 | 97 |
| 93 | 98 |
| 94 | 99 |
| 95 | 100 |

# NETWORK MODEL FOR AUTOWORLD PASI WORK FLINT, MICHIGAN

#104

72

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MULTI-COLOR 78195a