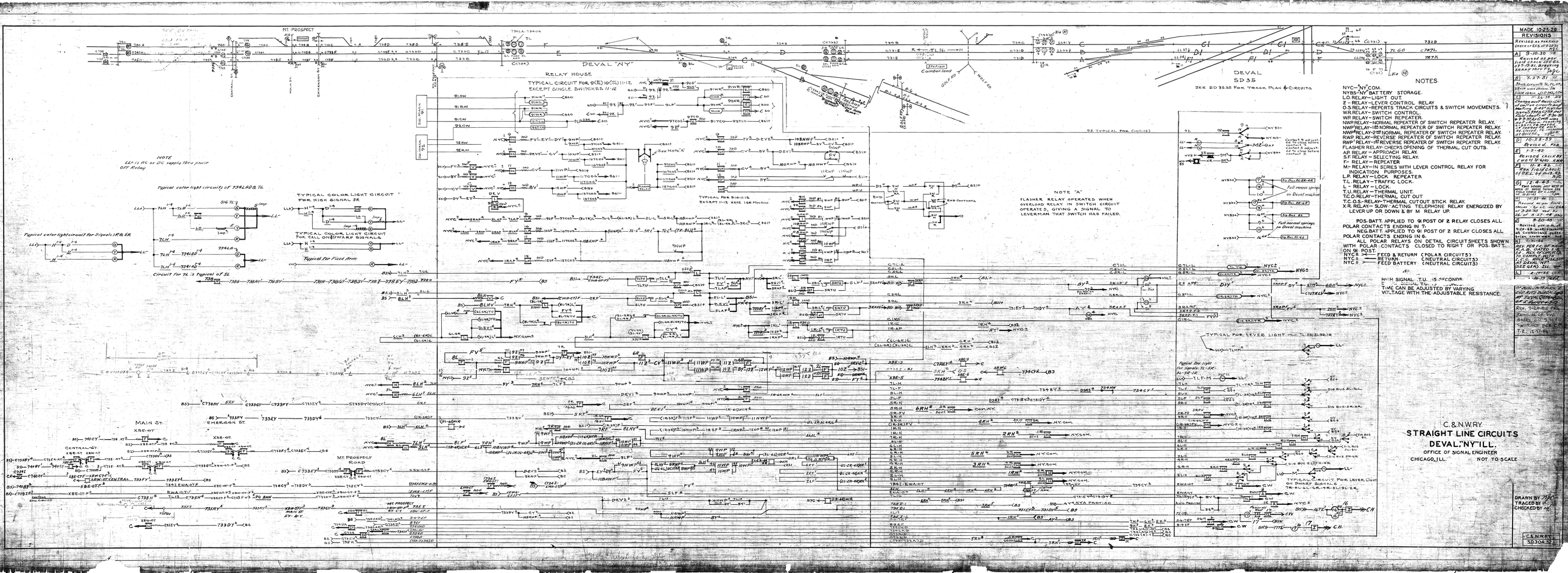

MT. PROSPECT
STATION
CENTRAL ST.
MAIN ST.
EMMERSON ST.
MT. PROSPECT ROAD
734LA-734UA
DEVAL "NY"
RELAY HOUSE
Station Cumberland
GOLF RD
WOLF RD
GOLF RD (S.H.58)
DEVAL SD35
SEE SD 35.35 FOR TRACK PLAN & CIRCUITS
TL16
TL60
TL17
Via (51)
Via (50)
SEE DETAIL
SW. MACH 91
SW. MACH. 92
TYPICAL CIRCUIT FOR 9(91/92) 10(101/102) 11-12 EXCEPT SINGLE SWITCHES 11-12
FLASHER RELAY
See Note "A"
TYPICAL FOR 9-10-11-12 EXCEPT 11-12 HAVE 1 SW. Machine.
END CONTACTS
9Z TYPICAL FOR (10-11-12)
Contact 9 adjusted to close before contact 7. Contact 5 adjusted to close before contact 3.
Full reverse springs on Deval machine
Full normal springs on Deval machine
Sig. Bus. 2L-2R-4R
Sig. Bus. 5R-6R
Sig. Bus. 8L
Sig. Bus. 5L-6L
Typical color light circuits of 734LAD & 7L
SIG 7L
Imp.
Typical color light circuit for Signals 1R & 5R
Circuit for 7L is typical of 5L
TYPICAL COLOR LIGHT CIRCUIT FOR HIGH SIGNAL 3R
TYPICAL COLOR LIGHT CIRCUIT FOR CALL ON & DWARF SIGNALS
Typical for Fixed Arm.
ON DETAIL SHEETS
MAIN ST.
XBE-OT
CENTRAL ST.
EMERSON ST.
MT. PROSPECT ROAD
CONTDON AUTO. CIRCUITS
Sw. Box
Sw. Box on DERAIL
TYPICAL FOR LEVER LIGHT ~ 7L-5R-5L-3R-1R
Typical Ind. light for signals 7L-5R-5L-3R-1R
TYPICAL CIRCUIT FOR LEVER LIGHT ON DWARF SIGNALS 7R-8L-6L-6R-4R-3L-2L-2R
STATION ANN.
Power off West

NOTE
LL+ is AC or DC supply thru power Off Relay.

NOTE "A"
FLASHER RELAY OPERATES WHEN OVERLOAD RELAY IN SWITCH CIRCUIT OPERATES, GIVING A SIGNAL TO LEVERMAN THAT SWITCH HAS FAILED.

NOTES.

NYC—"NY" COM.
NYBS-"NY" BATTERY STORAGE.
L.O. RELAY—LIGHT OUT.
Z – RELAY—LEVER CONTROL RELAY
O.S. RELAY—REPORTS TRACK CIRCUITS & SWITCH MOVEMENTS.
W.R. RELAY—SWITCH CONTROL.
W.P. RELAY—SWITCH REPEATER.
N.W.P. RELAY—NORMAL REPEATER OF SWITCH REPEATER RELAY.
NWP¹ RELAY—1ST NORMAL REPEATER OF SWITCH REPEATER RELAY.
NWP² RELAY—2ND NORMAL REPEATER OF SWITCH REPEATER RELAY.
R.W.P. RELAY—REVERSE REPEATER OF SWITCH REPEATER RELAY.
RWP¹ RELAY—1ST REVERSE REPEATER OF SWITCH REPEATER RELAY.
FLASHER RELAY—CHECKS OPENING OF THERMAL CUT OUTS.
A.P. RELAY—APPROACH RELAY.
S.F. RELAY—SELECTING RELAY.
F.—RELAY—REPEATER
M.—RELAY—IN SERIES WITH LEVER CONTROL RELAY FOR INDICATION PURPOSES.
L.P. RELAY—LOCK REPEATER
T.L. RELAY—TRAFFIC LOCK.
L – RELAY – LOCK.
T.U. RELAY—THERMAL UNIT.
T.C.O. RELAY—THERMAL CUT OUT
T.C.O.S.-RELAY—THERMAL CUTOUT STICK RELAY.
X.R. RELAY— SLOW ACTING TELEPHONE RELAY ENERGIZED BY LEVER UP OR DOWN & BY M RELAY UP.

POS. BATT. APPLIED TO 91 POST OF Z RELAY CLOSES ALL POLAR CONTACTS ENDING IN 7.

NEG. BATT. APPLIED TO 91 POST OF Z RELAY CLOSES ALL POLAR CONTACTS ENDING IN 6.

ALL POLAR RELAYS ON DETAIL CIRCUIT SHEETS SHOWN WITH POLAR CONTACTS CLOSED TO RIGHT OR POS. BATT. ON 91 POST.

NYC± ✕— FEED & RETURN (POLAR CIRCUITS)
NYC± ← RETURN (NEUTRAL CIRCUITS)
NYC± > FEED BATTERY (NEUTRAL CIRCUITS)

HIGH SIGNAL T.U. 15 SECONDS.
D[illegible] SIGNAL T.U. [illegible] SECONDS.
TIME CAN BE ADJUSTED BY VARYING VOLTAGE WITH THE ADJUSTABLE RESISTANCE.

MADE 10-25-29
REVISIONS

REVISED AS PER FIELD CHECK OF E.F.S. OF 8-28-30 N.J.C.

A 9-10-30 HH
Revised as per field check of C.G.S. of 7-17-31. Breaking 3RAPF thru FV. NJC

B 7-27-31 HH
Stick circuits 7L, 5L, 5R, 3R & 1R were shown. See field check of 1-5-34 by C.J.M.

C 11-26-34 HH
Change acct. Revision of call on circuits and making 2-45° sigs for signals 734 & C734 per field checks of 5-20-38 & 9-9-37 by C.W.B. was not shown. Flashing Lights removed at Seegay Rd. acct. Rd. closed. FL. installed at Golf Rd. 36B NJC

D 10-23-39
Revised. FSB

E 1-2-42
Revised check by CWB of 3/16/42 RHR

F 11-2-42
Rev. field check of P.E.L. of 11-13-42 NJC

G 12-4-43
TWO X-OVERS JUST WEST OF MAIN ST. WERE SHOWN. SEE FIELD CHECK BY C.J.M. of 12-31-43

H 10-25-44
Revised as per field checks – by L.C. and CGM of 3-24-43 and by L.C. of 8-27-46

J 9-20-48
Revised per O.R. of 9-25-48 acct. flashers at Cumberland pedestrian cross walk.

K 1-31-52
REV. PER F.C. OF K.C. R.A.B. DATED 5-8-52. REV. OF CIRCUITS TO COMPLY WITH I.C.C. RULE #136.307 AT DEVAL "NY" (SEEGER) ILL.

L 2-17-55

10-73
[illegible] OF BEGIN AUTO BLOCK & END AUTO BLOCK SIGNS AT DEVAL (SEEGAR) [illegible] OF S. [illegible] 4-3-73

Rev. 7-20-85 PKG
Removal of Sw. Boxes on 9-10-11 switches per F.C. T.Z. 12-21-84

C.&N.W.RY.
STRAIGHT LINE CIRCUITS
DEVAL, "NY" ILL.
OFFICE OF SIGNAL ENGINEER
CHICAGO, ILL.
NOT TO SCALE

DRAWN BY NJC
TRACED BY NJC
CHECKED BY [illegible]

C.&N.W.RY.
SD.304.32