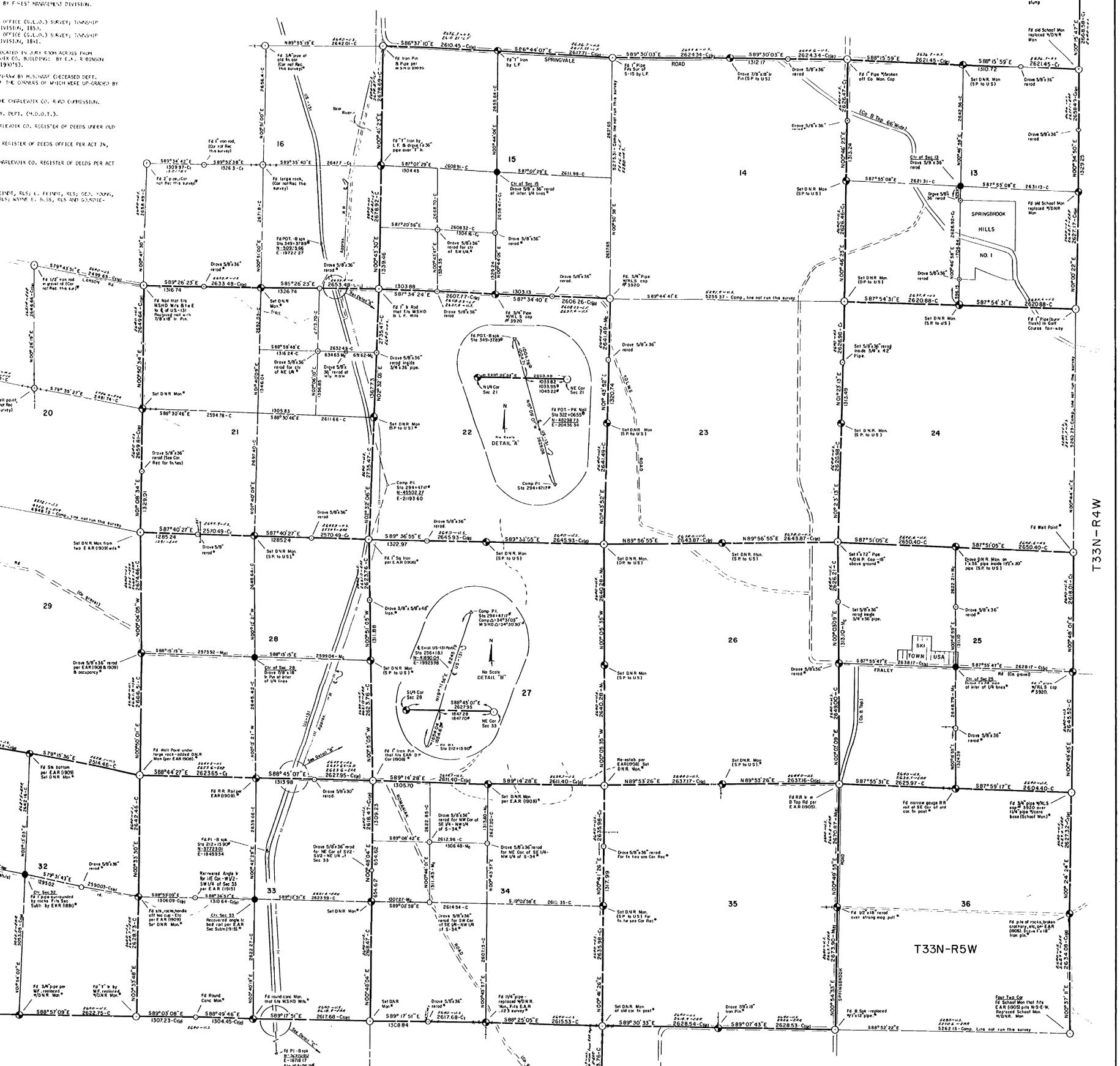
SURVEY MAP

T32&33N-R5W

CHARLEVOIX COUNTY, MICH.



SURVEY REPORT

PURPOSE:
RETRACEMENT AND BOUNDARY SURVEY OF PART OF T32 & 33N-R5W, CHARLEVOIX CO., MI FOR ADMINISTRATION OF STATE OWNED LANDS BY FOREST MANAGEMENT DIVISION.

PREVIOUS SURVEYS OF RECORD:
T32N-R5W: ORIGINAL U.S. GENERAL LAND OFFICE (G.L.O.) SURVEY; TOWNSHIP LINES, 1844, TOWNSHIP SUBDIVISION, 1853.
T33N-R5W: ORIGINAL U.S. GENERAL LAND OFFICE (G.L.O.) SURVEY; TOWNSHIP LINES, 1844; TOWNSHIP SUBDIVISION, 1841.

MAPS AND OLD COUNTY SURVEYORS RECORDS LOCATED IN JURY ROOM ACROSS FROM REGISTER OF DEEDS OFFICE AT THE CHARLEVOIX CO. BUILDING: BY E.A. ROBINSON (LATE 1800'S) AND L.A. ROBINSON (EARLY 1900'S).

SEVERAL CORNERS ON THE WEST LINE OF T33N-R4W BY M.S.HAAF (DECEASED DEPT. FORESTER & R.L.S. - 1953'ST), SEVERAL OF THE CORNERS OF WHICH WERE UP-GRADED BY THE DEPT. IN 1961.

LAND OWNER INFORMATION OBTAINED FROM THE CHARLEVOIX CO. ROAD COMMISSION.

SURVEY INFORMATION BY THE MICH STATE HWY. DEPT. (M.D.O.T.).

GOVT. CORNER INFORMATION ON FILE AT CHARLEVOIX CO. REGISTER OF DEEDS UNDER OLD STATE LAW CONTROL TO ACT 74, P.A. 1970).

GOVT. CORNERS ON FILE AT CHARLEVOIX CO. REGISTER OF DEEDS OFFICE PER ACT 74, P.A. 1970.

CERTIFICATE OF SURVEYS AS RECORDED AT CHARLEVOIX CO. REGISTER OF DEEDS PER ACT 132, P.A. 1970.

RECORDED SUBDIVISION PLATS.

SURVEY INFORMATION OBTAINED FROM: M. FEINDT, RLS; L. FEINDT, RLS; GEO. YOUNG, RLS; NICK DETOUNG, RLS; JOHN FERGUSON, RLS; WAYNE E. BOSS, RLS AND GOUDIE-FRASER & ASSOC., INC. & SURVEYORS.

SURVEY REPORT (CONT.)

CONTROLLING CORNERS:
DESCRIPTION OF CORNERS AS NOTED ON ADJOINING "SURVEY MAP" WITH COMPLETE CORNER DESCRIPTION, HISTORY AND WITNESSES ON "LAND CORNER RECORDATION CERTIFICATES" AS FILED AT THE CHARLEVOIX CO. REGISTER OF DEEDS OFFICE PER ACT 74, P.A. 1970.

SURVEY NOTES:
ORIGIN OF BEARINGS WAS N15°10'23"W (BASED ON GEODETIC AZ.) ON CTR. LINE OF U.S.131 FROM FD. P.O.T. 322 + 06.55 TO FD. P.O.T. 349 + 37.89, MSHD PLAN SHEET NO. 6, CONTROL SECTION 15091, JOB NO. 00202. PLAN BEARING IS N14°44'49"W (BASED ON PLANE AZ.), THE ORIGIN BEING TRIANGULATION STATION "CLARION" - PLUS 00°25'39" - FOR CONVERSION TO GEODETIC AZ.: EQUALS N15°10'23"W. PURPOSE OF USING BEARING BASED ON GEODETIC AZ OR TRUE MERIDIAN WAS TO HAVE BEARINGS THAT WOULD RELATE FAVORABLY WITH G.L.O. SURVEY. (OUR SURVEY IS A LARGE RETRACEMENT SURVEY.)

A RETRACEMENT SURVEY OF THIS MAGNITUDE INEVITABLY RUNS INTO OCCASIONAL CONFLICT WITH PRIOR SURVEYS; THIS IS NOT ENTERED INTO BY THIS SURVEYOR WITHOUT MUCH RESEARCH AND CONSIDERATION AND IS NOT TAKEN LIGHTLY. IT IS SUGGESTED THAT ANYONE REVIEWING THIS SURVEY OR ANY PORTION THERE-OF, GIVE CAREFUL STUDY TO THE FULL DESCRIPTIONS OF CORNERS AS RECORDED UNDER ACT 74, P.A. 1970 AND THAT WHERE THERE DOES APPEAR TO BE DISAGREEMENT OR POSSIBLE CONFLICT, THE DEPT. BE CONTACTED AS WE HAVE ADDITIONAL DETAILED INFORMATION AND WORKING DRAWINGS IN THE SURVEY FILE THAT PERHAPS COULD BE HELPFUL.

PRIMARY E.D.M. TRAVERSE ON THIS PROJECT HAD A RELATIVE ERROR OF CLOSURE OF 1:26,544; PRIMARY CLOSED TRAVERSE LENGTH BEING 16.4 MILES.

UNLESS OTHERWISE NOTED, OUR MONUMENTS CONSIST OF A FOUR-INCH ALUMINUM CAP ON A 1" X 36" GALVANIZED IRON PIPE.

ALL MEASUREMENTS ARE IN FEET AND DECIMALS THEREOF.

CERTIFICATION:
I, HEREBY, CERTIFY THAT THE MAP DELINEATED HEREON IS A TRUE REPRESENTATION OF THE FINDINGS OF THIS SURVEY, AND THAT THE MONUMENTS FOUND OR ESTABLISHED AND MEASUREMENTS MADE ARE AS SHOWN THEREON.

Carl F. Roser
CARL F. ROSER, R.L.S. #12028

M = Measured on true line.
M_1 = Meas. & Cut on true line.
C_1 = Computed from random line
C_2 = Computed from traverse line
C = Computed, line not run.
D(-) = Elec. Dist. Meas. (E.D.M.)

⊙ = Section Corner
◐ = 1/4 Corner
● = Center of Section
○ = 1/8 Corner

U.S. = Orig. G.L.O. Survey
S.P. = Single Proportion
D.P. = Double Proportion

* = See Land Corner Record for additional detailed information.

E.K.R. = E.K. Robinson - Co. Sur. (deceased)
E.A.R. = E.A. Robinson - Co. Sur. (deceased)
M.F. = M. Feindt, R.L.S. #15920
G.Y. = George Young, R.L.S. #10710
N.D. = Nick DeYoung, R.L.S. #20705
L.F. = Larry Feindt, R.L.S. #21566
M.S. = Marcus School, Chief state forester & R.L.S. (deceased)

♥ = Fd. Iron, Etc. = Not necessarily Govt (G.L.O.) corners. These corn shown for informational reasons only and were tied as part of this survey.

= M.S.H.D. existing US-131, state project #15-2, 1945 & 1946.

⊕ = M.S.H.D. proposed relocation of US-131, control section #15091, Job #00202, sheet 6 1971

Roads, RR, trails, etc are approx location only.

STATE OF MICHIGAN
CARL F. ROSER
LAND SURVEYOR
No. 12028
REGISTERED LAND SURVEYOR

MICHIGAN
DEPARTMENT OF NATURAL RESOURCES
ENGINEERING DIVISION - REGION II

TYPE OF SURVEY AND LOCATION: RETRACEMENT & BOUNDARY SURVEY, T32 & 33N - R5W, CHARLEVOIX COUNTY, MICH.
DIVISION FOREST MANGT. SURVEY PROJECT NO 31-93050102-5648
SURVEY BY C.F. Roser - L.S. & P.E. #12028 DATE 2-22-82
DRAWN BY R.O'H DATE Feb 1982
FIELD WORK BY JS-HK-RO'H Intermittent Aug 1980 - Oct 1981

PLAN No. R-15-A