

PLANS SYMBOLS

STATE LINE
COUNTY LINE
TOWNSHIP OR RANGE LINE
SECTION LINE
QUARTER LINE
SIXTEENTH LINE
EIGHTH LINE
PRESENT RIGHT OF WAY LINE
CONTROL OF ACCESS LINE
PROPERTY LINE (Except Land Lines)
VACATED PLATTED PROPERTY
CORPORATE OR CITY LIMITS
TRUNK HIGHWAY CENTER LINE
RETAINING WALL
RAILROAD
RAILROAD RIGHT OF WAY LINE
RIVER OR CREEK
DRY RUN
DRAINAGE DITCH
DRAIN TILE
CULVERT
DRAIN INLET
GUARD RAIL
BARBED WIRE FENCE
WOVEN WIRE FENCE
CHAIN LINK FENCE
RAILROAD SNOW FENCE
STONE WALL OR FENCE
HEDGE
RAILROAD CROSSING SIGN
RAILROAD CROSSING BELL
ELECTRIC WARNING SIGN
CROSSING GATE
MEANDER CORNER

SPRINGS
MARSH
TIMBER
ORCHARD
BRUSH
NURSERY
CATCH BASIN
FIRE HYDRANT
CATTLE GUARD
OVERPASS (Highway Over)
UNDERPASS (Highway Under)
BRIDGE
BUILDING (One Story Frame)
F FRAME C CONCRETE
S STONE T TILE
B BRICK ST STUCCO
IRON PIPE OR ROD
MONUMENT (STONE CONCRETE OR METAL)
WOODEN HUB
GRAVEL PIT
SAND PIT
BORROW PIT
ROCK QUARRY

GROSS LENGTH
BRIDGES-LENGTH
EXCEPTIONS-LENGTH
NET LENGTH

FEET=
FEET=
FEET=
FEET=

MILES
MILES
MILES
MILES

SCALES
PLAN, 1 INCH=50 FEET
PROFILE, HORIZ. 1 INCH=50 FEET VERT 1 INCH=5 FEET
CROSS-SECTIONS, 1 INCH= 5 FEET
LAYOUT, 0.75 INCH=5280 FEET

OFFICE OF COUNTY ENGINEER RAMSEY COUNTY

RIGHT-OF-WAY MAP COUNTY STATE AID HIGHWAY NO. 77

AT THE INTERSECTION OF OLD T.H. 8 & 8TH AVENUE N.W. &
ON OLD T.H. 8 BETWEEN 5TH AVENUE N.W. & 6TH AVENUE N.W.

S.A.P. 62-677-05 C.T.B.

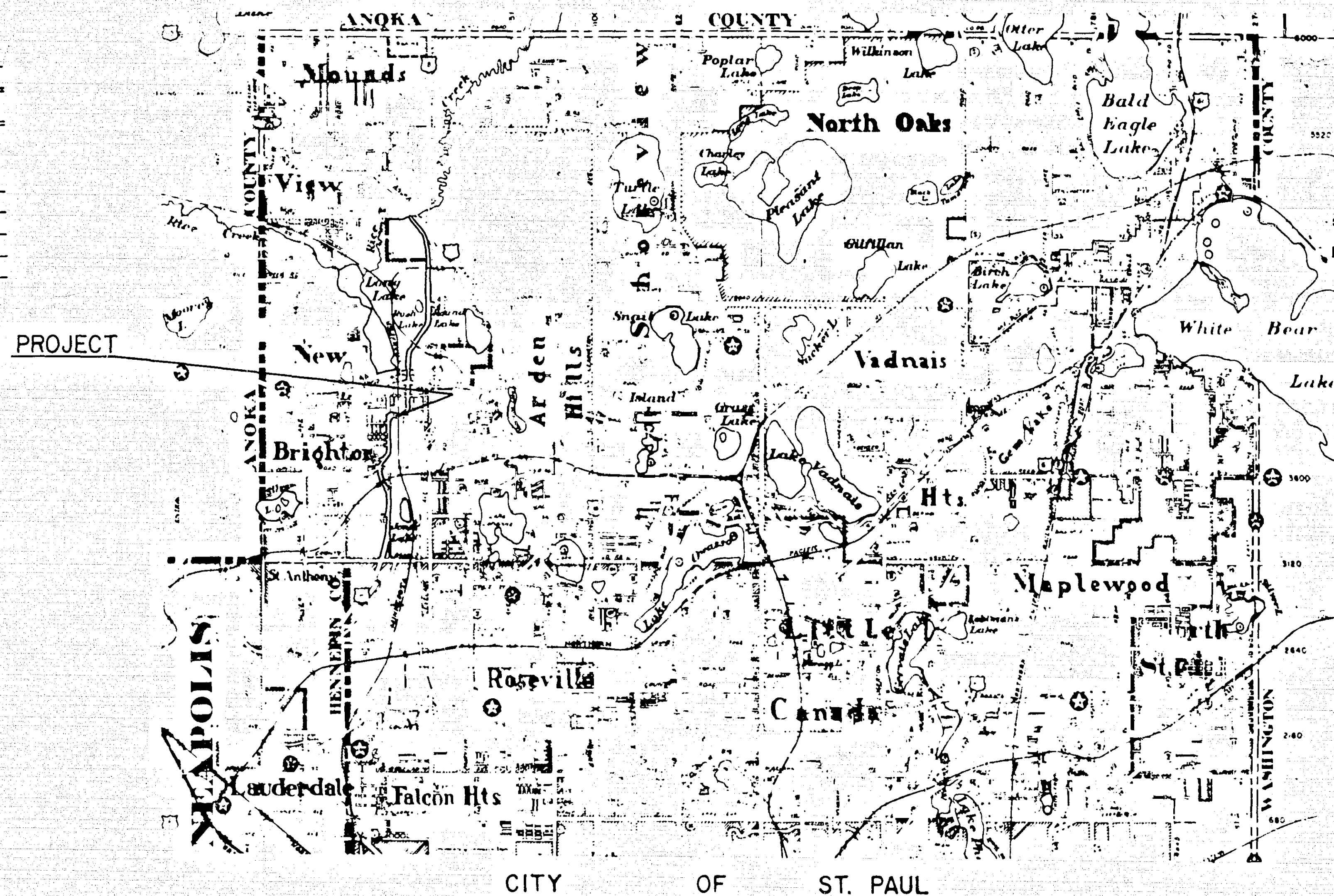
DESIGN DESIGNATION

ADT 1974 =6,100
ADT 1990 =15,000
D (DIRECTIONAL DISTRIBUTION) =50-50
T (HEAVY COMMERCIAL) 1990 =950
DESIGN LOAD =9 TON
SOIL FACTOR =100%
DESIGN SPEED =30 MPH.

UTILITIES SYMBOLS

POWER POLE LINE
TELEPHONE OR TELEGRAPH
POLE LINE
JOINT TELEPHONE AND POWER
ON POWER POLES
ON TELEPHONE POLES
ANCHOR
STEEL TOWER
STREET LIGHT
PNEUMATIC TELEPHONE CABLE
TERMINAL
GAS MAIN
WATER MAIN

CONDUIT
TELEPHONE CABLE IN CONDUIT
ELECTRIC CABLE IN CONDUIT
TELEPHONE MANHOLE
ELECTRIC MANHOLE
BURIED TELEPHONE CABLE
BURIED ELECTRIC CABLE
AERIAL TELEPHONE CABLE
SEWER (SANITARY OR STORM)
SEWER MANHOLE



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SHEET NO.
1 TITLE SHEET
2 TYPICAL SECTIONS & PLANS

PIT DATA

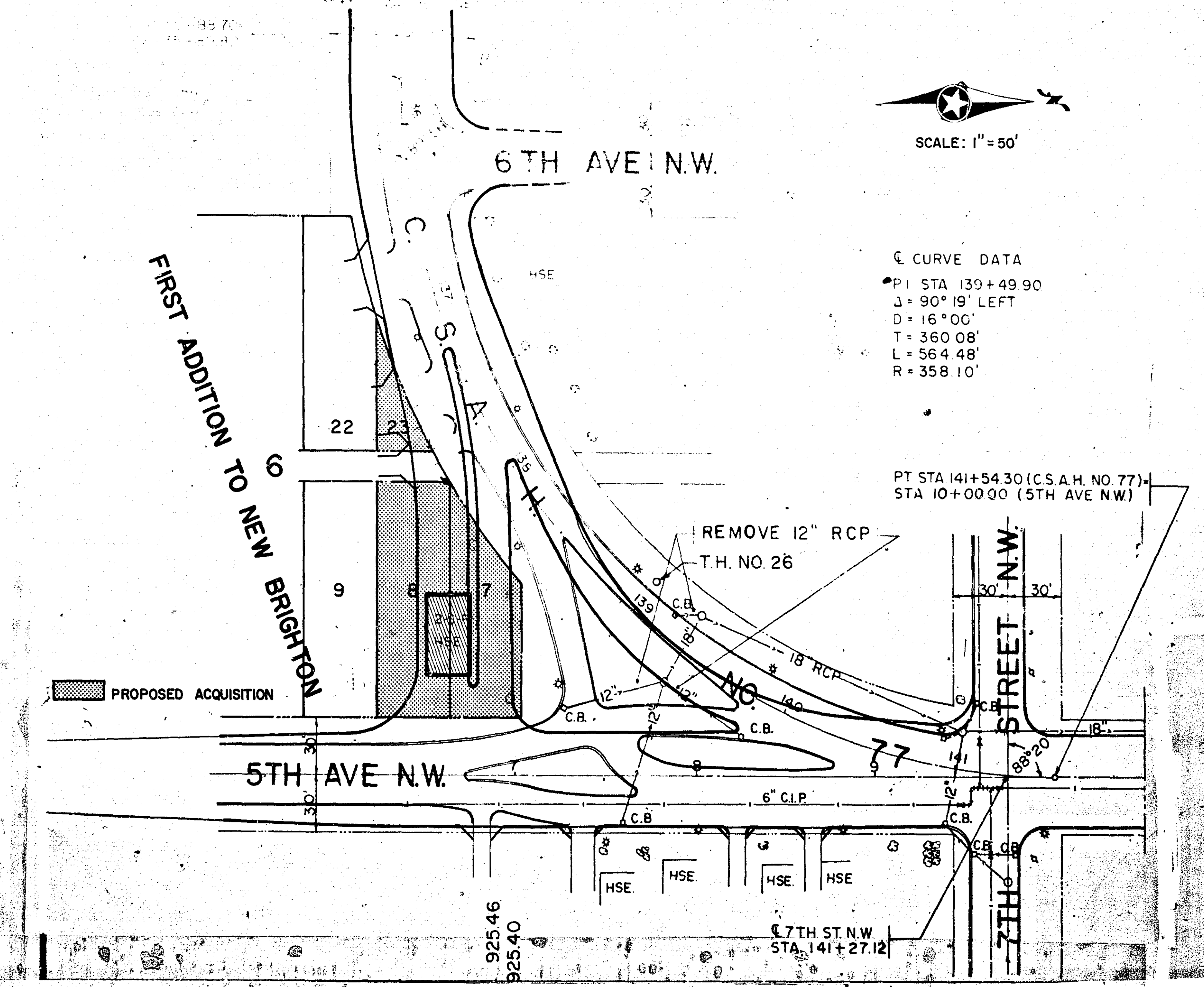
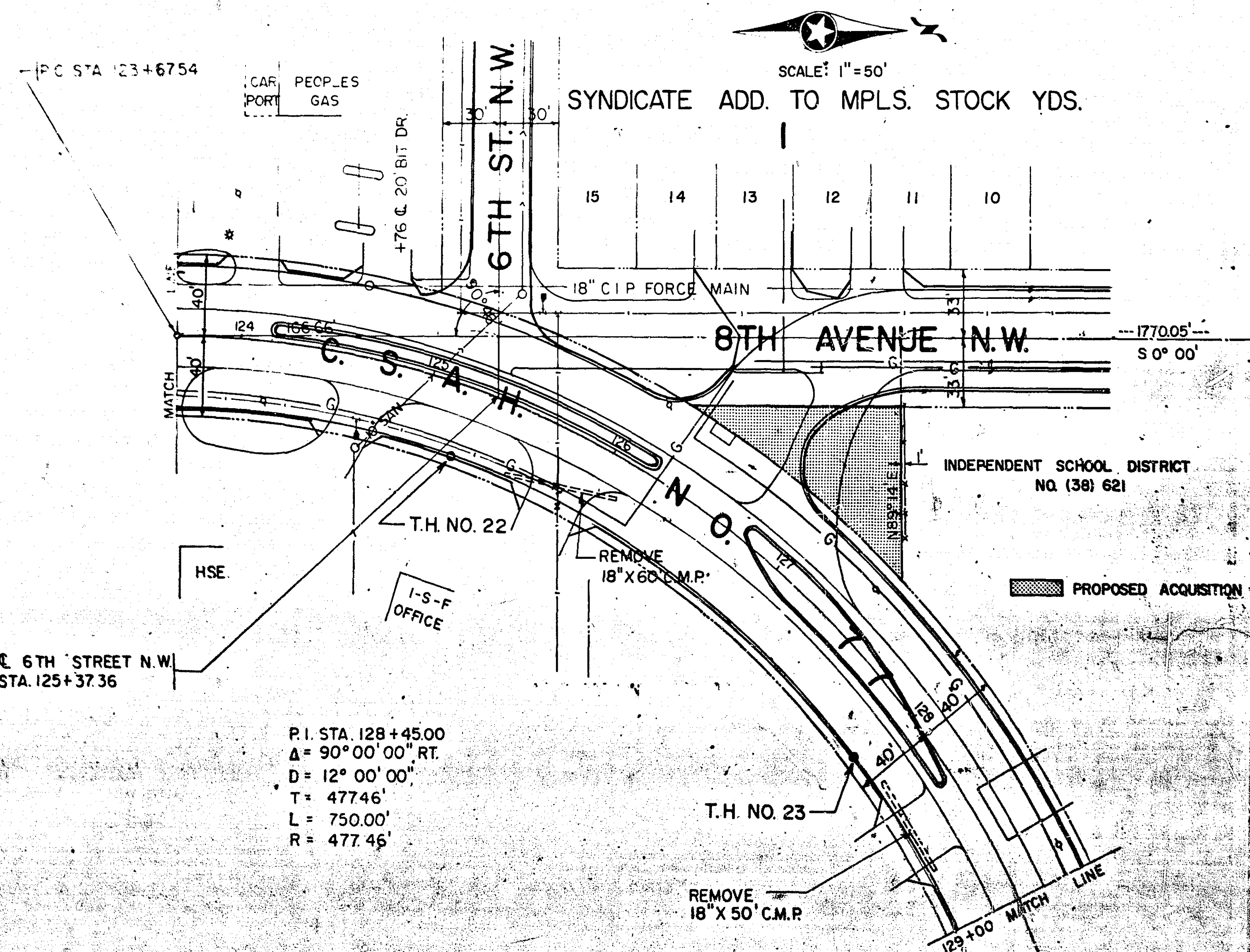
PIT NO. Located in
Dead Haul
PIT NO. Located in
Dead Haul

hereby certify that this plan, specification, or
report was prepared by me or under my direct
supervision and that I am a duly Registered
Professional Engineer under the laws of the
State of Minnesota.
Joseph A. Pardo
Date 7-26-74 Reg. No. 8271

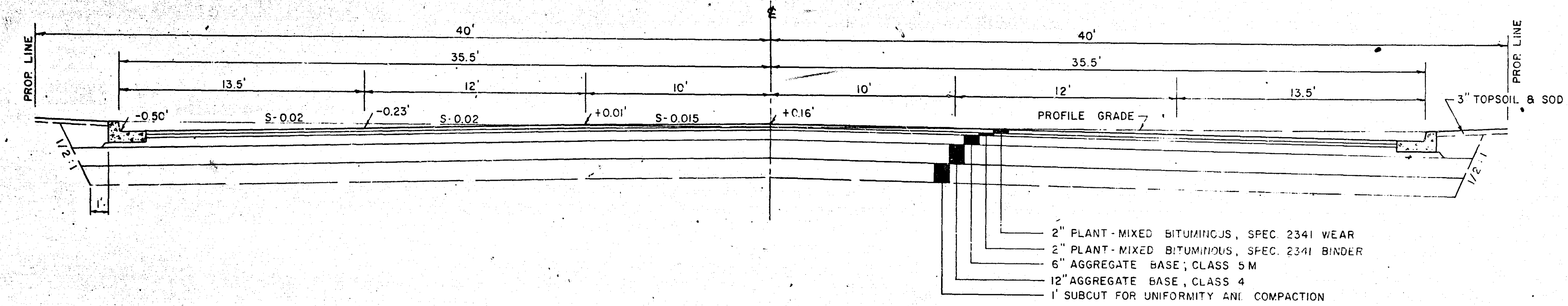
RECOMMENDED FOR APPROVAL *Dean R. Oakley* DATE 7-26-74
COUNTY ENGINEER
APPROVED *James M. Hake* DATE 7-29-74
CHAIRMAN OF THE RAMSEY COUNTY BOARD
APPROVED *Laurel C. Brumander* DATE 8-5-74
MAYOR (CITY OF NEW BRIGHTON)
APPROVED _____ DATE _____

MINNESOTA STATE HIGHWAY DEPARTMENT
RECOMMENDED FOR APPROVAL *J. F. Brumley* DATE 8-26-74
DISTRICT STATE AID ENGINEER
RECOMMENDED FOR APPROVAL *Sam S. Ladd* DATE 8-12-74
DISTRICT STATE AID ENGINEER
APPROVAL *Sam S. Ladd* DATE 8/26/74
STATE AID ENGINEER

THE "MINNESOTA HIGHWAY DEPARTMENT STANDARD
SPECIFICATIONS FOR HIGHWAY CONSTRUCTION"
DATED JANUARY 1, 1972 AS AMENDED BY "SUPPLEMENTAL
SPECIFICATIONS" DATED JANUARY 1, 1974 SHALL GOVERN.



TYPICAL SECTIONS



hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of Minnesota.

Joseph A. Smith

Date 7-26-74 Reg. No. 8271

MICROFILMED
HARVEY CO. ENG.
15-157