

PLANS SYMBOLS

STATE LINE	SPRINGS
COUNTY LINE	MARSH
TOWNSHIP OR RANGE LINE	TIMBER
SECTION LINE	ORCHARD
QUARTER SECTION LINE	BRUSH
1/4 SECTION LINE	NURSERY
RIGHT OF WAY LINE	CATCH BASIN
PRESENT RIGHT OF WAY LINE	FIRE HYDRANT
CONTROL OF ACCESS LINE	CATTLE GUARD
PROPOSED RIGHT OF WAY LINE	OVERPASS Highway Over
VALUED PLANTED PROPERTY	UNDERPASS Highway Under
CORPORATE OR CITY LIMITS	BRIDGE
TRUNK HIGHWAY CENTER LINE	BUILDING (One Story Frame)
RETAINING WALL	1 FRAME 1 CONCRETE
RAILROAD	2 STONE 1 TIE
RAILROAD RIGHT OF WAY LINE	3 BRICK 1 STUCCO
RAILROAD LIGHT OF WAY LINE	IRON PIPE OR ROD
RIVER OR CREEK	MONUMENT (STONE, CONCRETE, OR METAL)
DRY DITCH	WOODEN HUB
DRAINAGE DITCH	GRAVEL PIT
DRAIN TILE	LAND PIT
CULVERT	BOARDW P-T
GRASSY FIELD	ROCK QUARRY
GUARD RAIL	
BARBED WIRE FENCE	
WIRE FENCE	
CHAIN LINK FENCE	
RAILROAD SHOW FENCE	
STONE WALL OR FENCE	
MEADOW	
RAILROAD CROSSING SIGN	
RAILROAD CROSSING BELL	
ELECTRIC WARNING SIGN	
CROSSING GATE	
MEASURED CORNER	

UTILITIES SYMBOLS

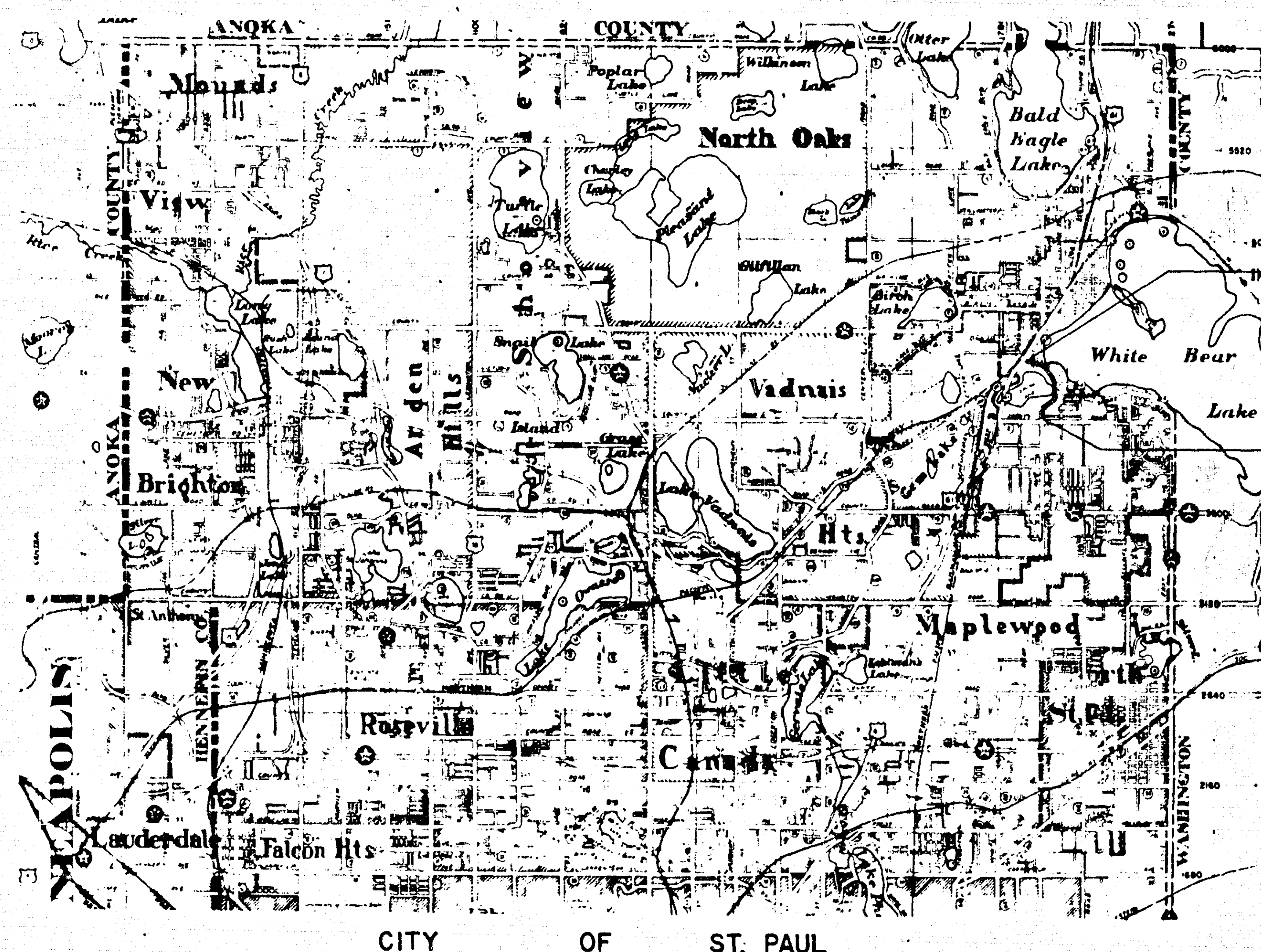
POWER POLE LINE	CONDUIT
TELEPHONE OR TELEGRAPH POLE LINE	TELEPHONE CABLE IN CONDUIT
JOINT TELEPHONE AND POWER POLE LINE	ELECTRIC CABLE IN CONDUIT
ON TELEPHONE POLES	TELEPHONE MANHOLE
ANCHOR	BURIED TELEPHONE CABLE
STEEL TOWER	BURIED ELECTRIC CABLE
STREET LIGHT	AERIAL TELEPHONE CABLE
PERMANENT TELEPHONE CABLE (TYPICALLY)	SEWER (SANITARY OR STORM)
GAS MAIN	SEWER MANHOLE
WATER MAIN	

PIT DATA

PIT NO. Located in Dead Haul

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NOTE: SECTION NUMBER LOCATED FROM THE SOUTH



OFFICE OF COUNTY ENGINEER RAMSEY COUNTY

CONSTRUCTION PLAN
FOR GRADING AND CONCRETE SURFACING

WHITE BEAR AVE.

BETWEEN: FLORAL DR. AND T.H. 61
FROM: A POINT 247 FEET NORTH OF THE SOUTH 1/4 CORNER OF SECTION 23, T.30N., R.22W. TO: A POINT 408 FEET NORTH OF AND 1189 FEET WEST OF THE CENTER OF SECTION 23, T.30N., R.22W.

GROSS LENGTH 5091.77 FEET 0.964 MILES
BRIDGES - LENGTH 0.0 FEET 0.0 MILES
EXCEPTIONS - LENGTH 0.0 FEET 0.0 MILES
NET LENGTH 5091.77 FEET 0.964 MILES

PLAN, 1 inch = 50 Feet
PROFILE, Horiz. 1 inch = 50 Feet Vert. 1 inch = 5 Feet
CROSS-SECTIONS, 1 inch = 10 Feet
LAYOUT, 0.75 inch = 5280 Feet

INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	TYPICAL SECTION AND ESTIMATED QUANTITIES
3	DRAINAGE CHART AND DETAILS
4	CLEARING AND GRUBBING CHART AND DETAILS
5-8	PLAN PROFILES
9-10	CONSTRUCTION PLANS
11-20	CROSS SECTIONS

DESIGN DESIGNATION

A.D.T. 1965	= 6,500
A.D.T. 1985	= 13,400
D.H.V.	=
D (DIRECTIONAL DISTRIBUTION)	= 50-50
T (HEAVY COMMERCIAL)	= 700

DESIGN SPEED = 30 M.P.H. STA. 164+18 TO STA. 184+00
40 M.P.H. STA. 211+00 TO STA. 215+09.77
DESIGN LOAD = 9 TON STA. 184+00 TO STA. 211+00
SOIL FACTOR = 100%

RECOMMENDED FOR APPROVAL _____ DATE _____
DIRECTION OF SAFETY
RECOMMENDED FOR APPROVAL _____ DATE _____
MAINTENANCE ENGINEER
RECOMMENDED FOR APPROVAL _____ DATE _____
CONSTRUCTION ENGINEER
RECOMMENDED FOR APPROVAL _____ DATE _____
APPROVED _____ DATE _____
COUNTY ENGINEER

RECOMMENDED FOR APPROVAL _____ DATE 2/12/71
COUNTY ENGINEER
APPROVED _____ DATE 2/22/71
VICE CHAIRMAN OF THE RAMSEY COUNTY BOARD
APPROVED _____ DATE _____
APPROVED _____ DATE _____
MAYOR, CITY OF WHITE BEAR LAKE

MINNESOTA STATE-HIGHWAY DEPARTMENT
RECOMMENDED FOR APPROVAL _____ DATE 8-30-71
DISTRICT STATE AID ENGINEER
APPROVED _____ DATE 8/21/71
STATE AID ENGINEER

I HEREBY CERTIFY THAT THIS PLAN 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.

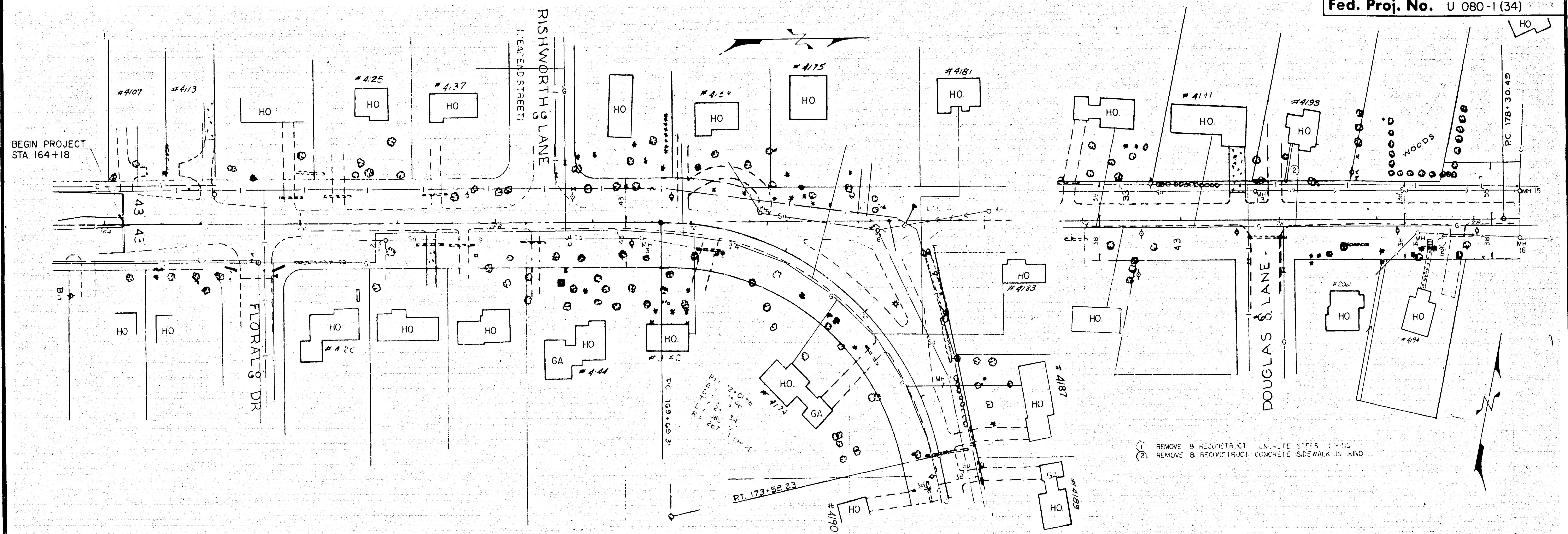
DATE 2-11-71 REG. NO. 2042

ASBUILT PLAN
CONFORMING TO
CONST. RECORDS
DATE: _____

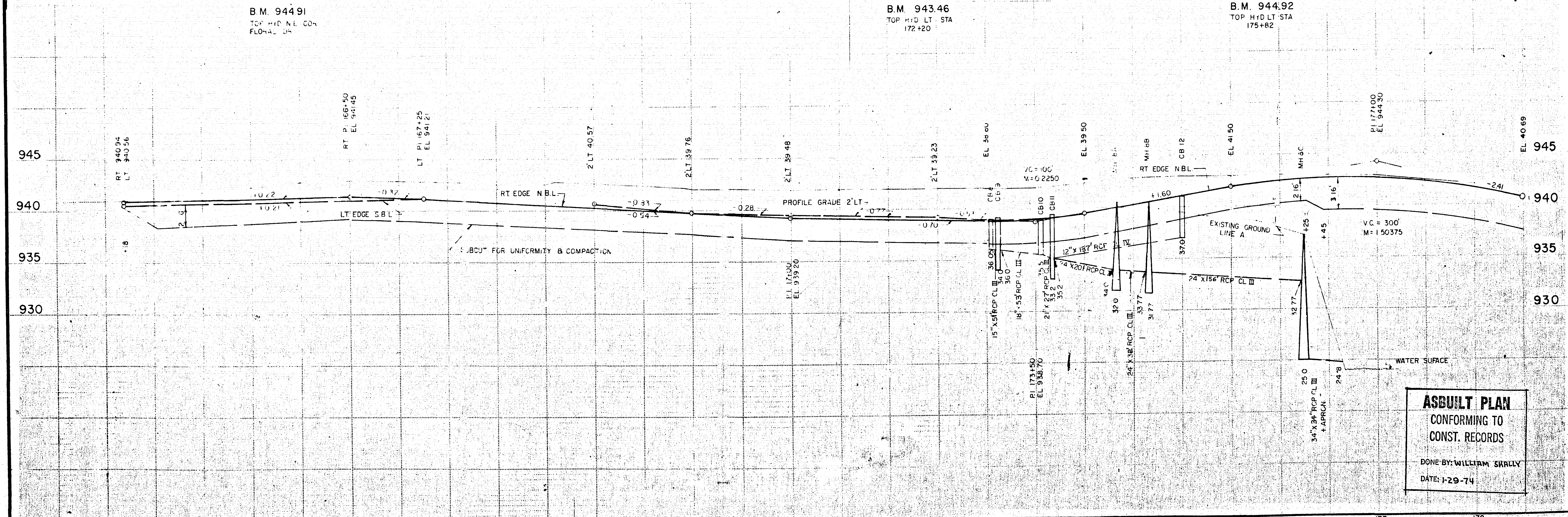
ASBUILT PLAN
CONFORMING TO
CONST. RECORDS
DATE: _____

SPECIFICATIONS
THE "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION" DATED JANUARY 1, 1968 AS AMENDED BY SUPPLEMENTAL SPECIFICATIONS DATED JULY 1, 1969 SHALL GOVERN.

MICROFILMED
PAMSEY CO. ENGR. Sheet No. 3 of 20 Sheets

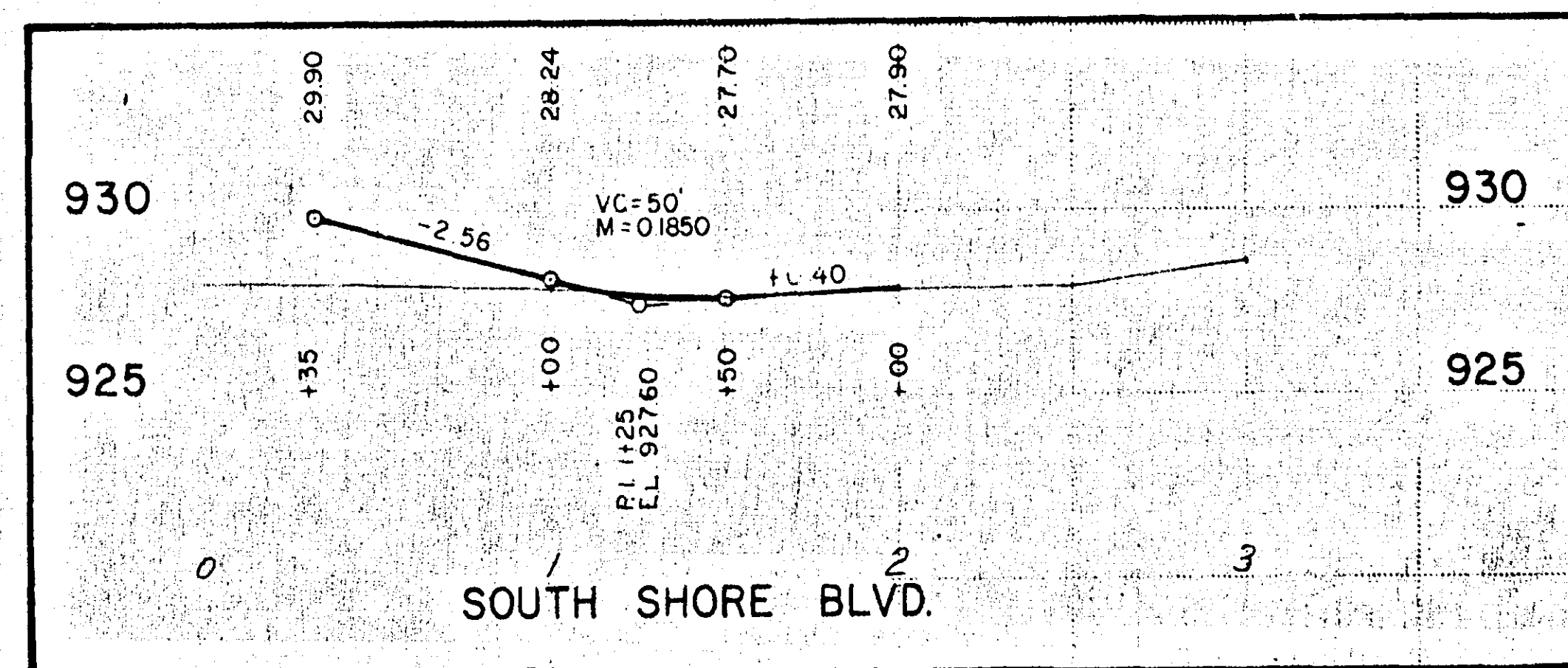
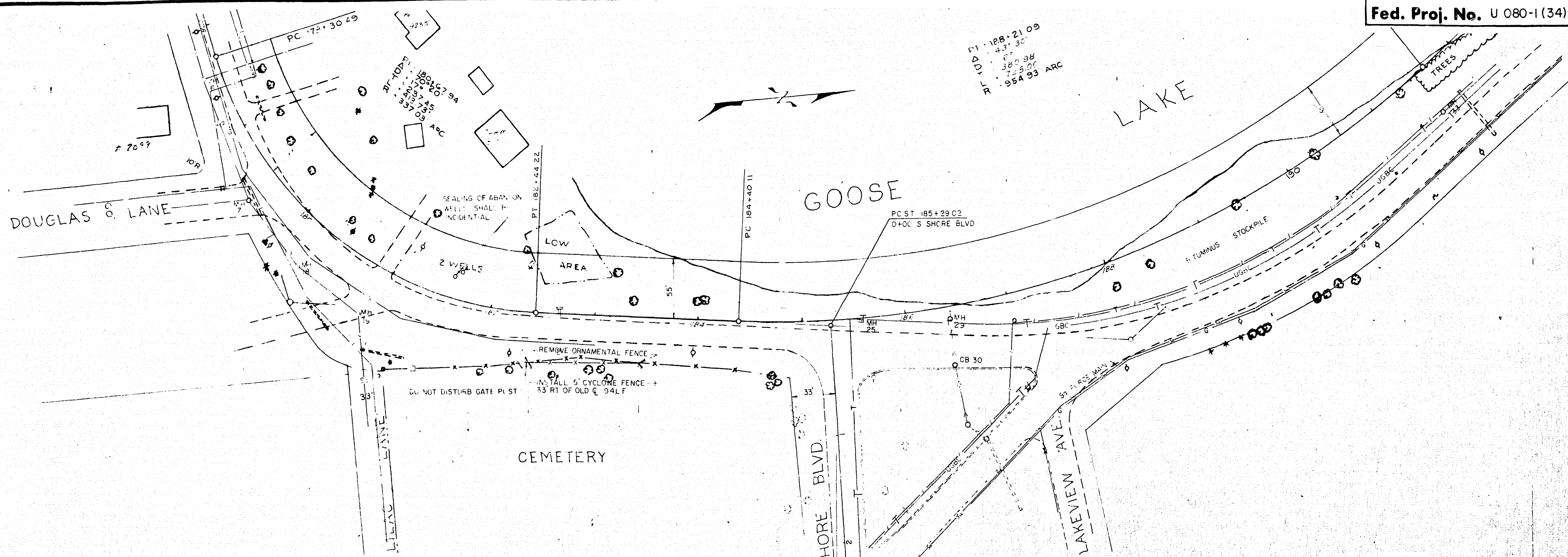


- ① REMOVE & RECONSTRUCT CONCRETE SIDEWALK IN KIND
- ② REMOVE & RECONSTRUCT CONCRETE SIDEWALK IN KIND



AS-BUILT PLAN
CONFORMING TO
CONST. RECORDS
DONE BY: WILLIAM SKALLY
DATE: 1-29-74

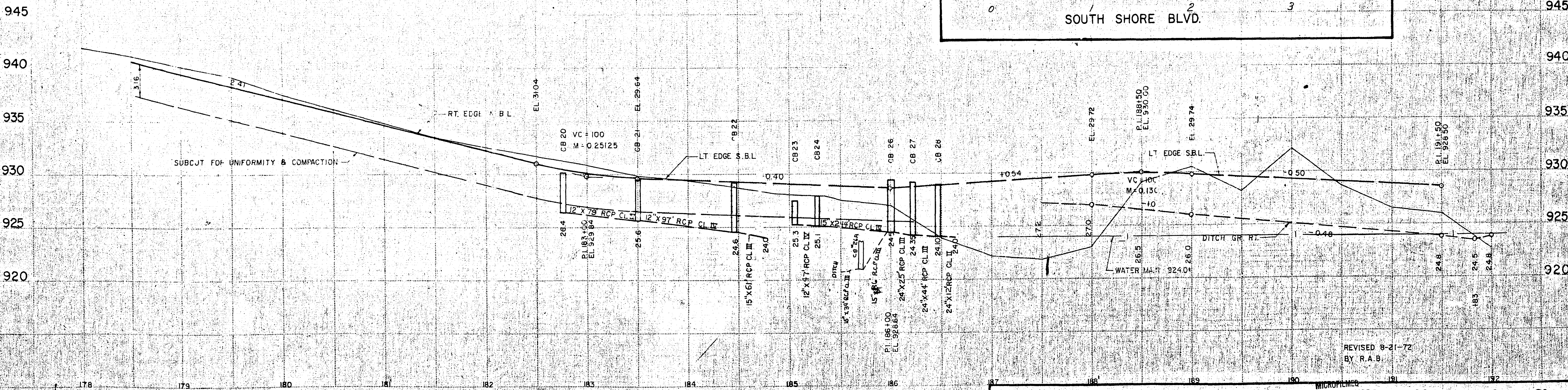
18-112



ASBUILT PLAN
CONFORMING TO
CONST. RECORDS
DONE BY: WILLIAM SKALLY
DATE: 1-29-74

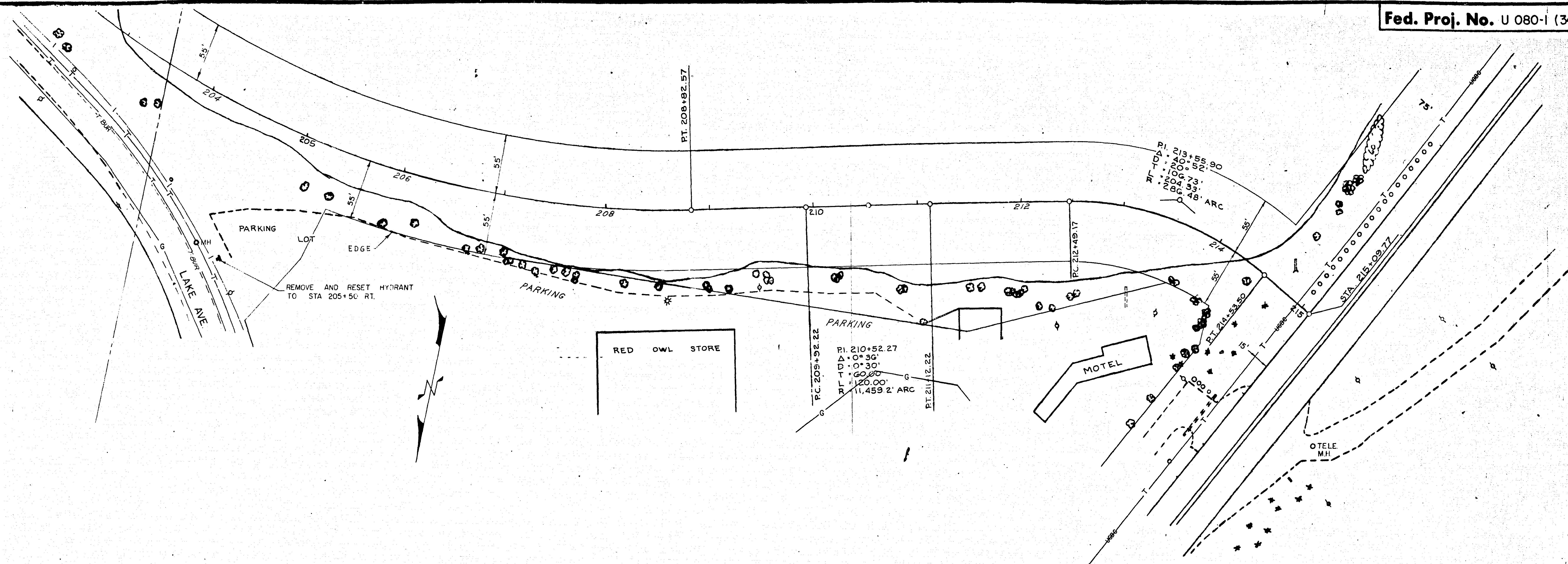
BM 94.44
TOP 4" SE COR
DOUGLAS LANE

BM 94.03
SIDE IN PP RT
S A 182+40



REVISED 8-21-72
BY R.A.B.

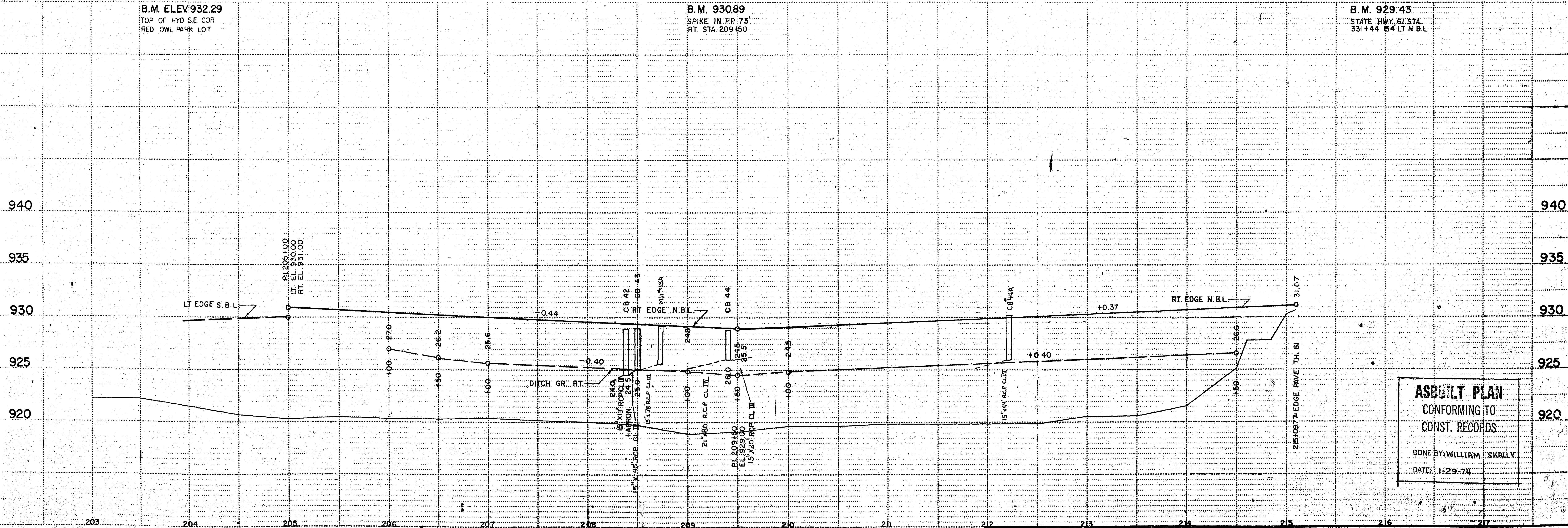




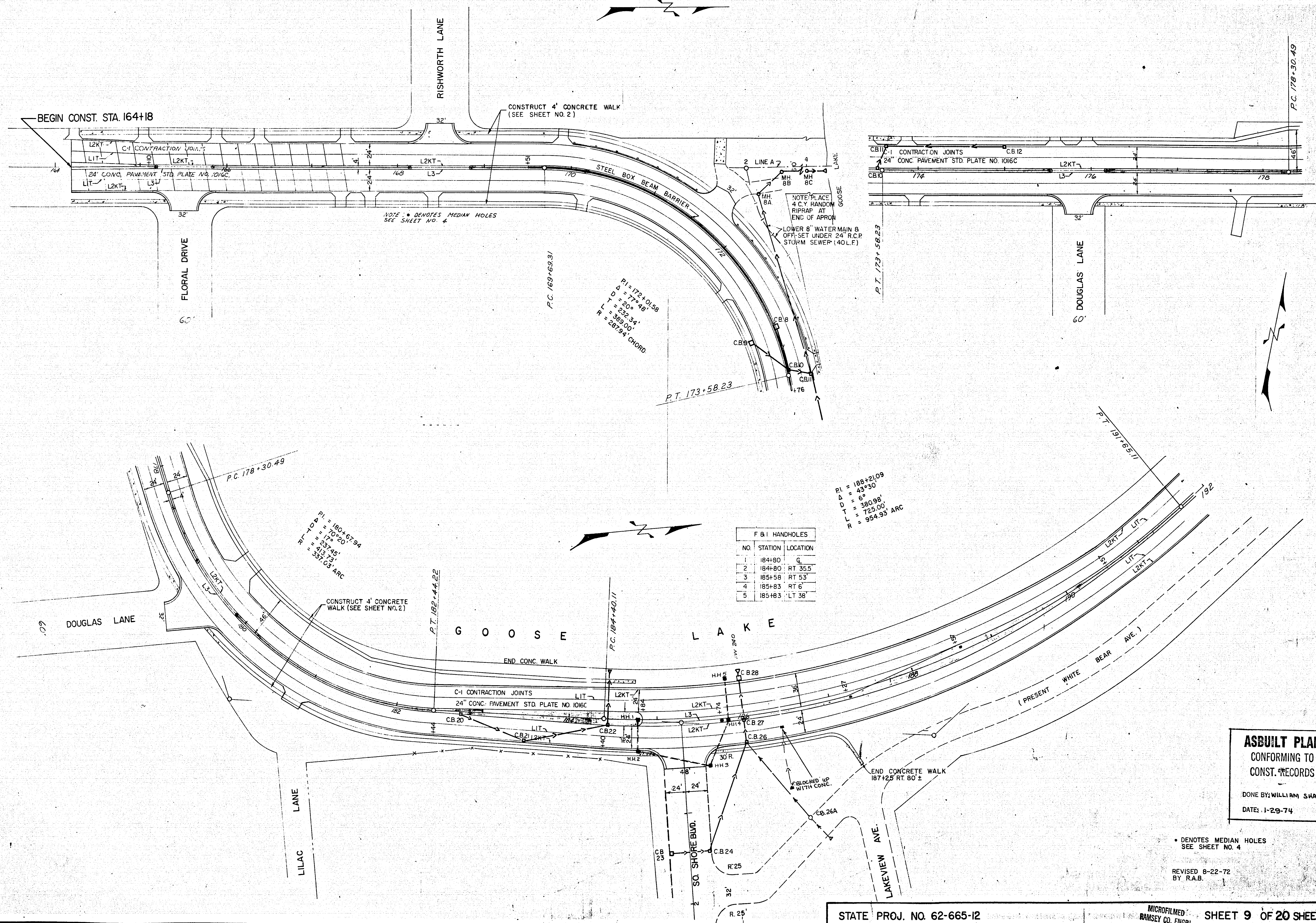
B.M. ELEV 932.29
TOP OF HYD. S.E. COR.
RED OWL PARK LOT

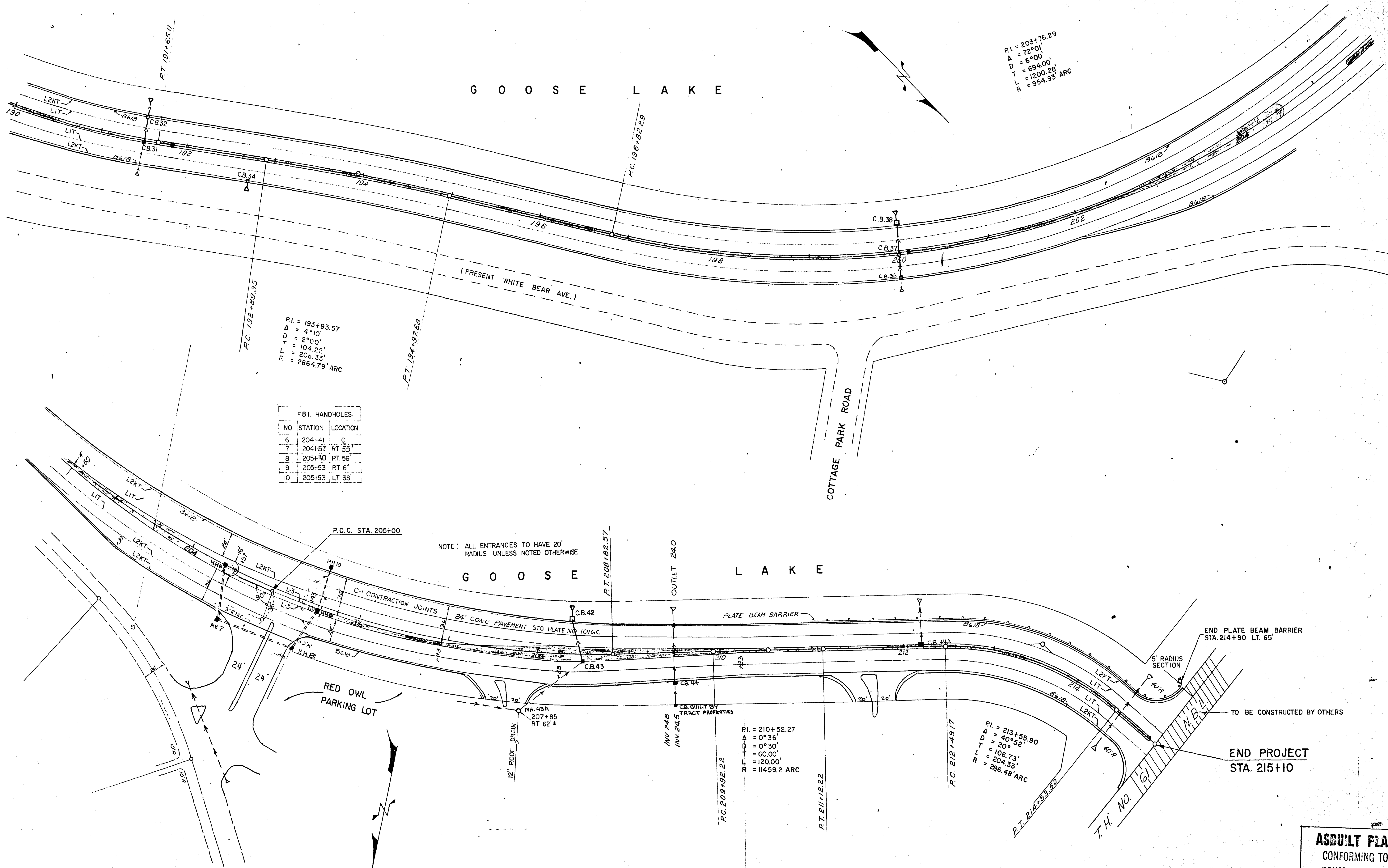
B.M. 930.89
SPIKE IN RP. 75
RT. STA. 209+50

B.M. 929.43
STATE HWY. 61 STA.
331+44 54 LT N.B.L.



ASBUILT PLAN
CONFORMING TO
CONST. RECORDS
DONE BY: WILLIAM SKALLY
DATE: 1-29-74





FBI HANDHOLES		
NO	STATION	LOCATION
6	204+41	
7	204+57	RT 55'
8	205+40	RT 56'
9	205+53	RT 6'
10	205+53	LT 38'

NOTE: ALL ENTRANCES TO HAVE 20' RADIUS UNLESS NOTED OTHERWISE.

ASBUILT PLAN
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CONST. RECORDS

DONE BY: WILLIAM SKALLY
DATE: 1-29-74