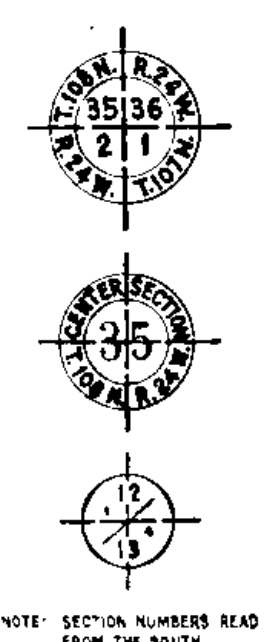
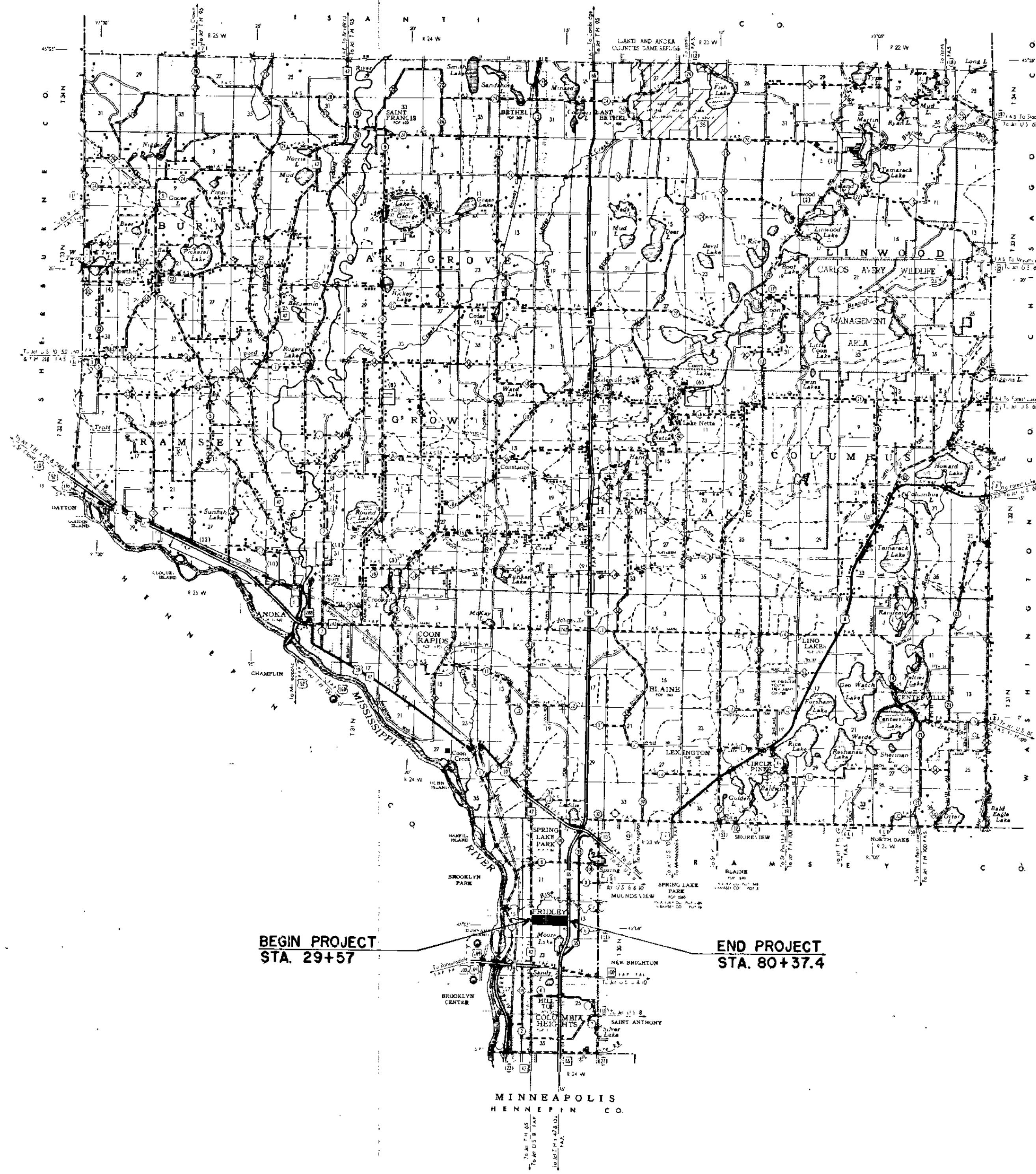


CONVENTIONAL SIGNS

STATE LINE	—————	TIMBER	
COUNTY LINE	—————	RAILROAD	
TOWNSHIP OR RANGE LINE	—————	SARCIARD	
SECTION LINE	—————	ROCK LEDGE	
QUARTER LINE	—————	SAND	
SIXTEENTH LINE	—————	SLOPE OF CUT	
RIGHT OF WAY LINE	—————	TOE OF EMBANKMENT	
PRESERVATION ROAD LINE	—————	CATCH BASIN	
LIMITED ACCESS	—————	MANHOLE	
PROPERTY LINE (EVALUATED)	—————	DRAP INLET	
VACATED PLATTED PROPERTY	—————	OTHER LAMPS (SHOW K-4)	
CORPORATE OR CITY LIMITS	—————	RAILROAD CROSSING SIGN	
TRUNK HIGHWAY CENTER LINE	—————	BULLDOZING CROSSING SIGN	
RETAINING WALL	—————	ELECTRIC WARNING SIGN	
STEAM RAILROAD	—————	CROSSING GATE	
ELECTRIC RAILROAD	—————	CATTLE GUARD	
RAILROAD RIGHT-OF-WAY LINE	—————	OVERHEAD (Highway Over)	
CAEM	—————	UNDERPASS (Highway Under)	
RAPIDS OR WATERFALL	—————	ABUTMENT, WALL & PIER	
DRY RUN	—————	BRIDGE	
DRAINAGE OF FISH	—————	CONCRETE	
POWDER TRUCK LINE	—————	PLASTERING (One Story Frame)	
POWER POLE LINE	—————	CONCRETE & STONE T. TILE	
TELEPHONE OR TELEGRAPH LINE	—————	BRICK	
TELEPHONE CONDUIT	—————	WOOD	
GUARD RAIL	—————	STONE MONUMENT	
WIRE FENCE	—————	WOOD STAKE OR PILE	
RAILROAD SNOW FENCE	—————	MEANDER CORNER	
BOARD OR HIGHWAY SNOW FENCE	—————		
STONE WALL OR FENCE	—————		
GATE MARK	—————		
WATER PIPE	—————		
SEWER PIPE	—————		
DRAIN TILE	—————		
GRAVEL PIT	—————		
SAND PIT	—————		
CLAY PIT	—————		
ROCK QUARRY	—————		
SPRINGS	—————		
WATERS	—————		



NOTE: SECTION NUMBERS READ FROM THE SOUTH



BEGIN PROJECT STA. 29+57

END PROJECT STA. 80+37.4

MINNEAPOLIS HENNEPIN CO.

STATE OF MINNESOTA
DEPARTMENT OF HIGHWAYS
CONSTRUCTION PLAN FOR STORM SEWER, GRADING, BASE, CONC. CURB & GUTTER & BITUMINOUS SURFACING
County State Aid Highway No. 6

BETWEEN TH. NO. 47 AND TH. NO. 65
From APT. 134061' ELY. OF W 1/4 COR. SEC. 14 T. 30 R. 24 W. To APT. 14566' ELY. OF E 1/4 COR. SEC. 14 T. 30 R. 24 W.

GROSS LENGTH	5080.4 FEET 0.962 MILES
BRIDGES LENGTH	0.0 FEET 0.0 MILES
EXCEPTIONS LENGTH	0.0 FEET 0.0 MILES
NET LENGTH	5080.4 FEET 0.962 MILES

SCALES
Plan 1 inch = 50 Feet
PROFILE: Horiz. 1 inch = 50 Feet, Vert. 1 inch = 5 Feet
WORKING PLANS: Horiz. 1 inch = 50 Feet, Vert. 1 inch = 5 Feet
LAYOUT: Scale 1 inch = Feet

MINN. PROJ. _____

INDEX OF SHEETS

Sheet No. 1	Title Sheet & Layout Map
" No. 2	Est. Quantities & Typical Sec.
" No. 3 & 4	Plan & Profile
" No. 5 To 7	STORM SEWER
" NO. 8	SIGNAL SYSTEM
" NO. 9 TO 14	CROSS SECTIONS

DESIGN DATA

A.D.T. (CURRENT YEAR)	3,886
A.D.T. (20 YEAR PROJECTION)	8,938
SOIL FACTOR	50 %
STRUCTURAL DESIGN	9 TON
H C A D T (PROJ.)	300-600

DESIGN SPEED
50 M.P.H. (LOCALLY RESTRICTED TO 30 M.P.H.)

ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND ORDINANCES WILL BE COMPLIED WITH, IN THE CONSTRUCTION OF THIS PROJECT.

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.

Edgar C. Pearson COUNTY ENGINEER DATE 2-18-66
ANOKA COUNTY REG. NO. 2551
RECOMMENDED FOR APPROVAL *Edgar C. Pearson* 2-18-66 DISTRICT ENGINEER
RECOMMENDED FOR APPROVAL *C. C. Weickelbaum* 3-2, 1966
APPROVED 3-2, 1966 *J. M. E. ...* STATE AID ENGINEER

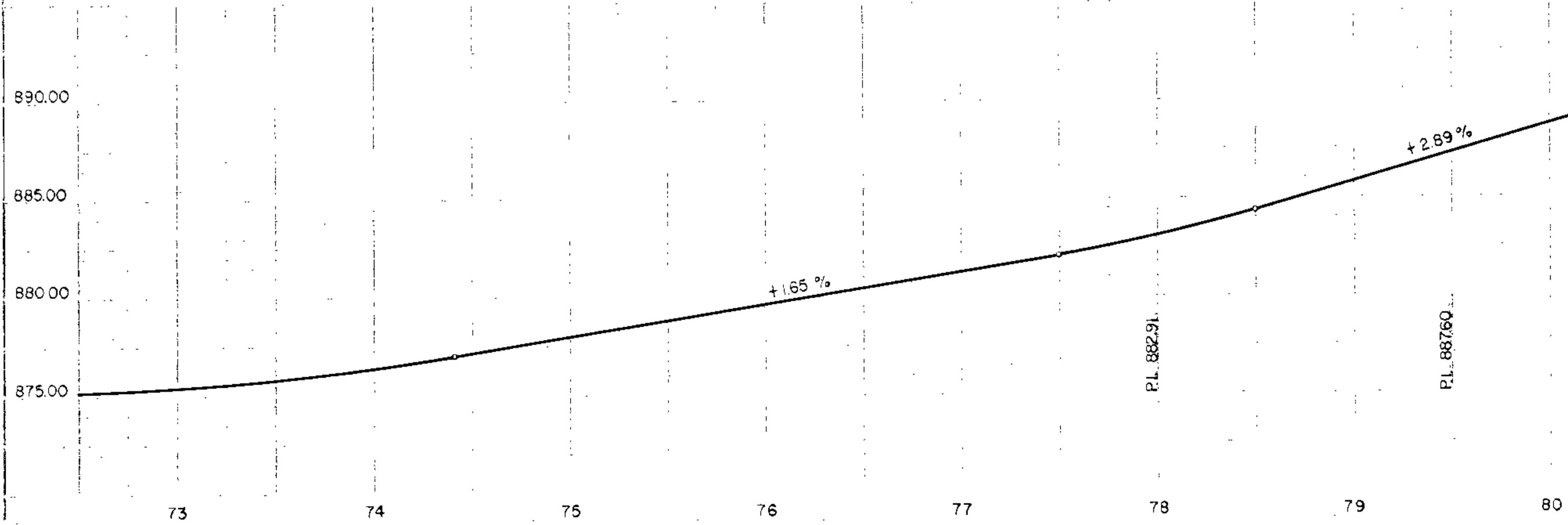
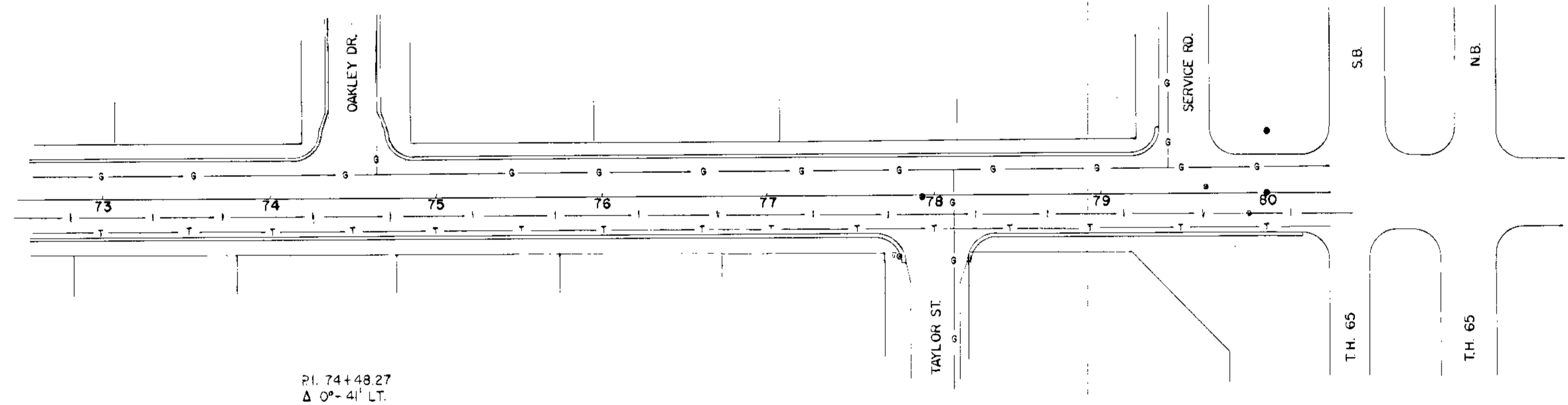
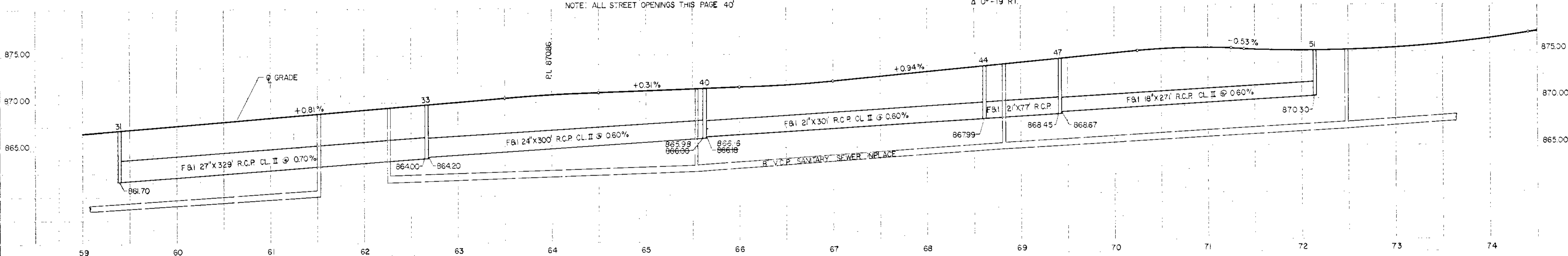
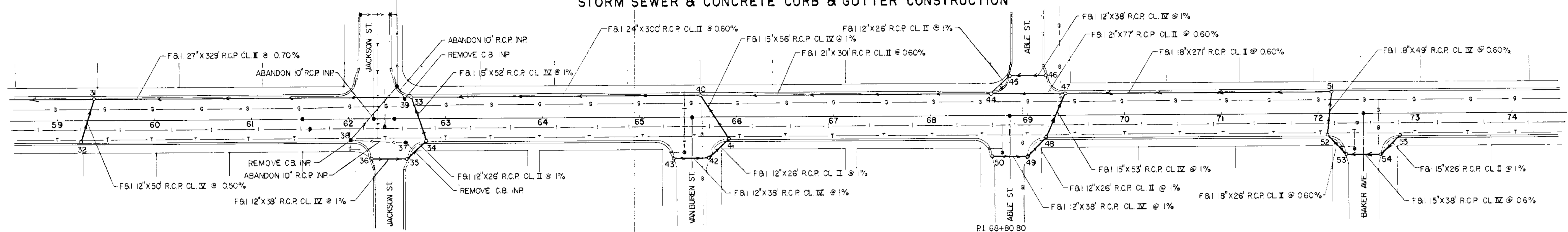
DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
DISTRICT ENGINEER _____ DATE _____

MICRO-FILMED

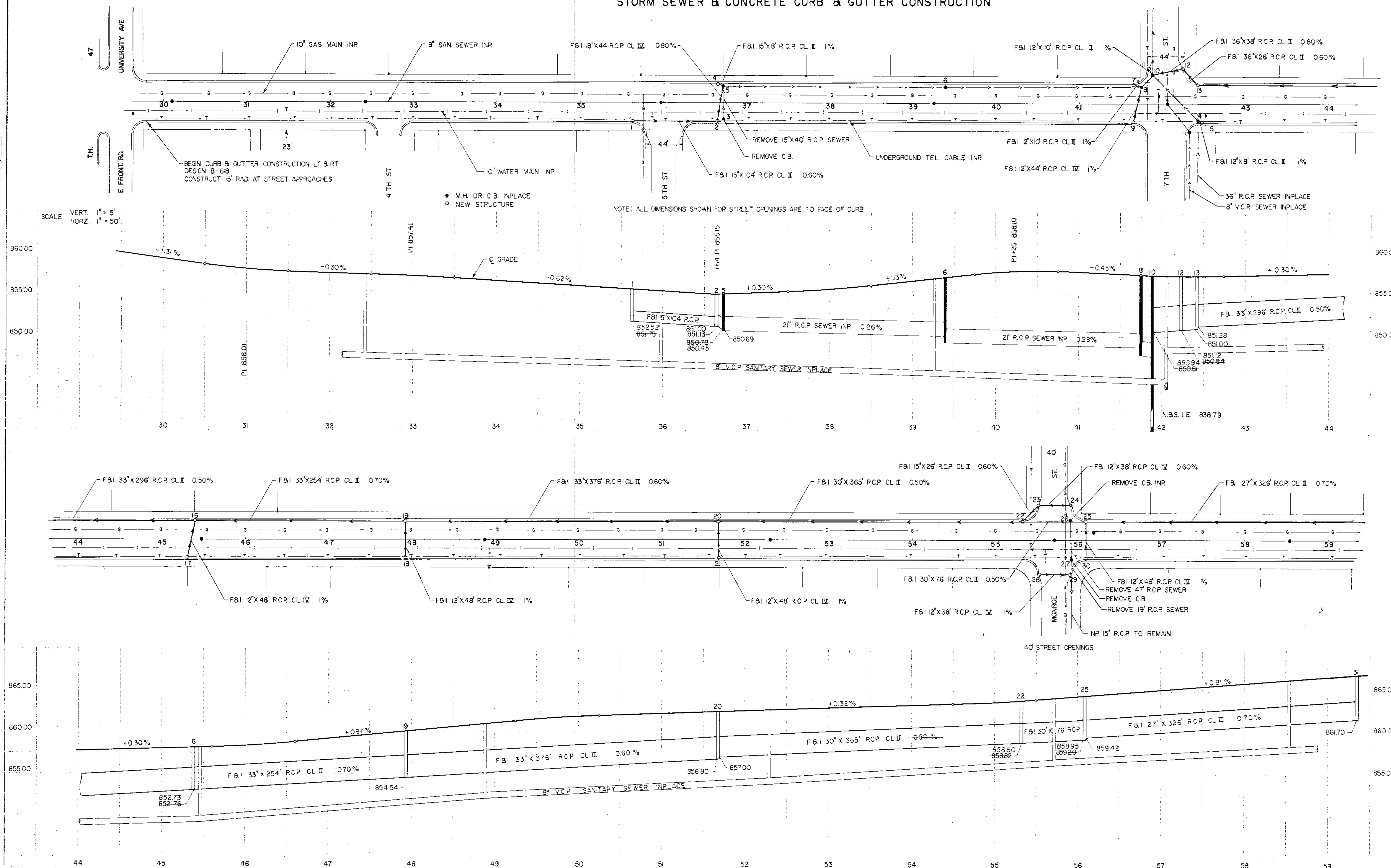
Minn. Project No. _____ S.A.P. 02-606-02
State Project No. _____

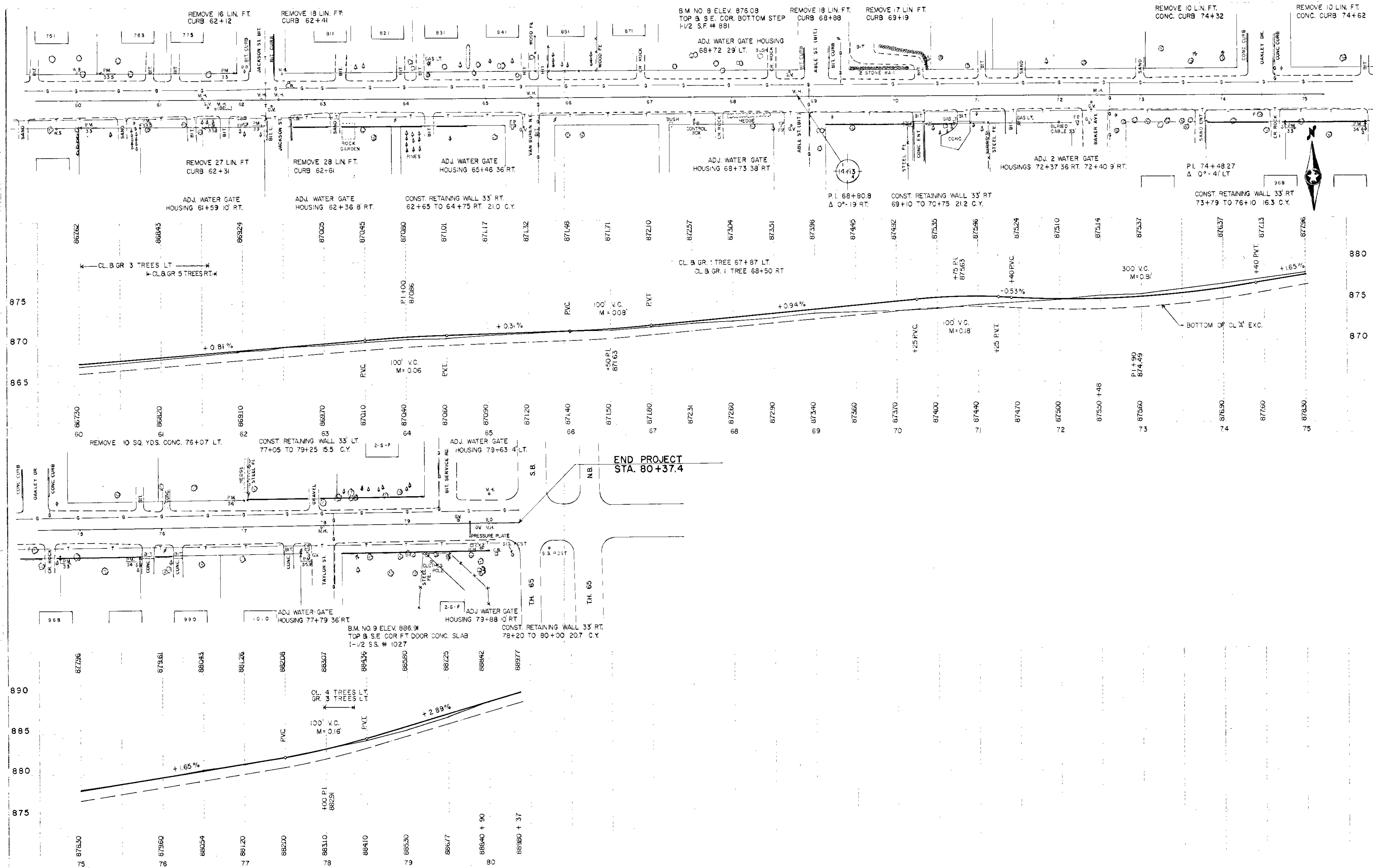
SPECIFICATIONS
THE "STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION", DATED JAN. 1, 1964 AS AMENDED BY "SUPPLEMENTAL SPECIFICATIONS" DATED FEBRUARY 1, 1966 SHALL GOVERN.

STORM SEWER & CONCRETE CURB & GUTTER CONSTRUCTION



STORM SEWER & CONCRETE CURB & GUTTER CONSTRUCTION





REMOVE 16 LIN. FT. CURB 62+12

REMOVE 18 LIN. FT. CURB 62+41

B.M. NO. 8 ELEV. 876.08
TOP & S.E. COR. BOTTOM STEP
1/2 S.F. # 881

REMOVE 18 LIN. FT. CURB 68+88

REMOVE 17 LIN. FT. CURB 69+19

REMOVE 10 LIN. FT. CONC. CURB 74+32

REMOVE 10 LIN. FT. CONC. CURB 74+62

ADJ. WATER GATE HOUSING
68+72 29' LT.

REMOVE 27 LIN. FT. CURB 62+31

REMOVE 28 LIN. FT. CURB 62+61

ADJ. WATER GATE HOUSING 65+46 36' RT.

ADJ. WATER GATE HOUSING 68+73 38' RT.

ADJ. 2 WATER GATE HOUSINGS 72+37 36' RT. 72+40 9' RT.

P.L. 74+48.27
Δ 0°-41' LT.

ADJ. WATER GATE HOUSING 61+59 10' RT.

ADJ. WATER GATE HOUSING 62+36 8' RT.

CONST. RETAINING WALL 33' RT. 62+65 TO 64+75 RT. 21.0 C.Y.

P.L. 68+80.8
Δ 0°-19' RT.

CONST. RETAINING WALL 33' RT. 69+10 TO 70+75 21.2 C.Y.

CONST. RETAINING WALL 33' RT. 73+79 TO 76+10 16.3 C.Y.

CL. & GR. 3 TREES LT.
CL. & GR. 5 TREES RT.

CL. & GR. 1 TREE 67+87 LT.
CL. & GR. 1 TREE 68+50 RT.

300' V.C. M=C.91

+0.81%

+0.31%

+0.94%

-0.53%

+1.65%

BOTTOM OF CL. EXC.

END PROJECT
STA. 80+37.4

B.M. NO. 9 ELEV. 886.91
TOP & S.E. COR. FT. DOOR CONC. SLAB
1/2 S.S. # 1027

CONST. RETAINING WALL 33' RT. 78+20 TO 80+00 20.7 C.Y.

+1.65%

+2.89%

REMOVE 87 LIN. FT.
GRD POSTS
29+83 - 30+70

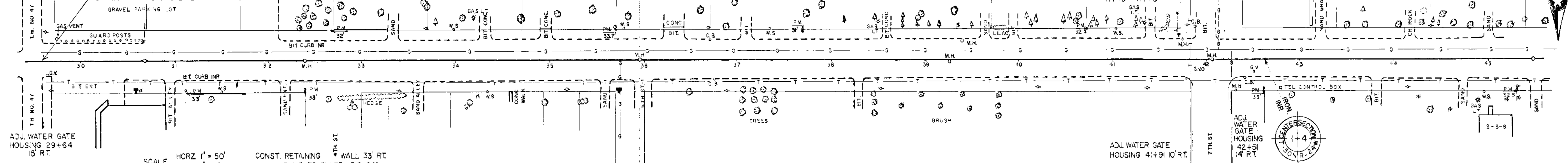
B.M. NO. 5 ELEV. 857.67
TOP & S.E. COR. BOTTOM
STEP LT. 34+03 # 365

B.M. NO. 6 ELEV. 859.26 TOP & S.E.
COR. BOTTOM STEP LT. 44+75
509

BEGIN PROJECT
S.A.P. 02-606-02 STA. 29+57

CONST. RETAINING WALL 33' LT.
32+70 TO 33+25 31 C.Y.

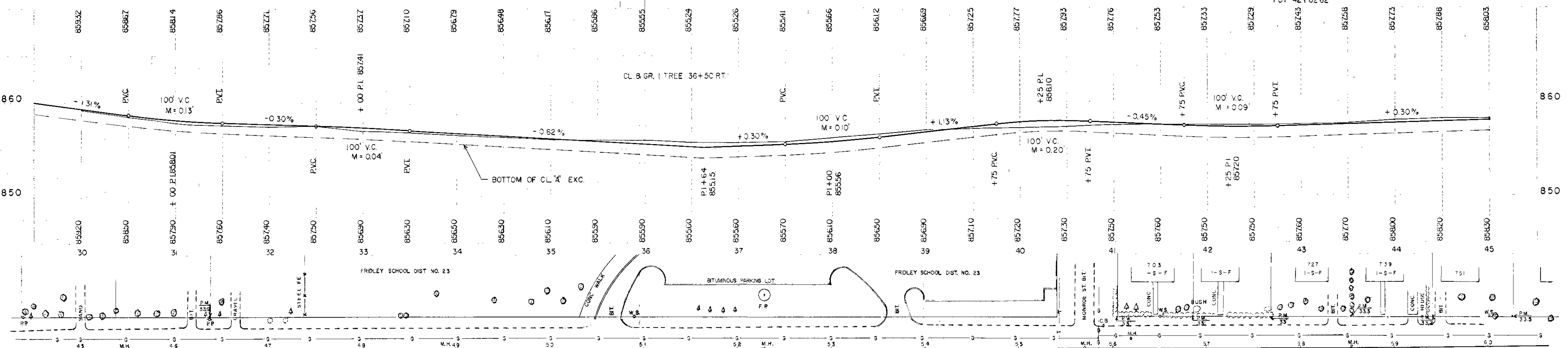
REMOVE 21 LIN. FT. FENCE
41+49 - 41+70



SCALE
HORZ. 1" = 50'
VERT. 1" = 5'

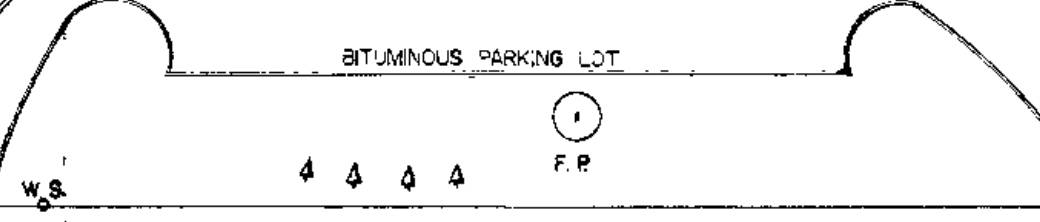
CONST. RETAINING WALL 33' RT
31+15 TO 31+75 3.8 C.Y.

ADJ. WATER GATE HOUSING 41+91 10' RT.



FRIDLEY SCHOOL DIST. NO. 23

FRIDLEY SCHOOL DIST. NO. 23



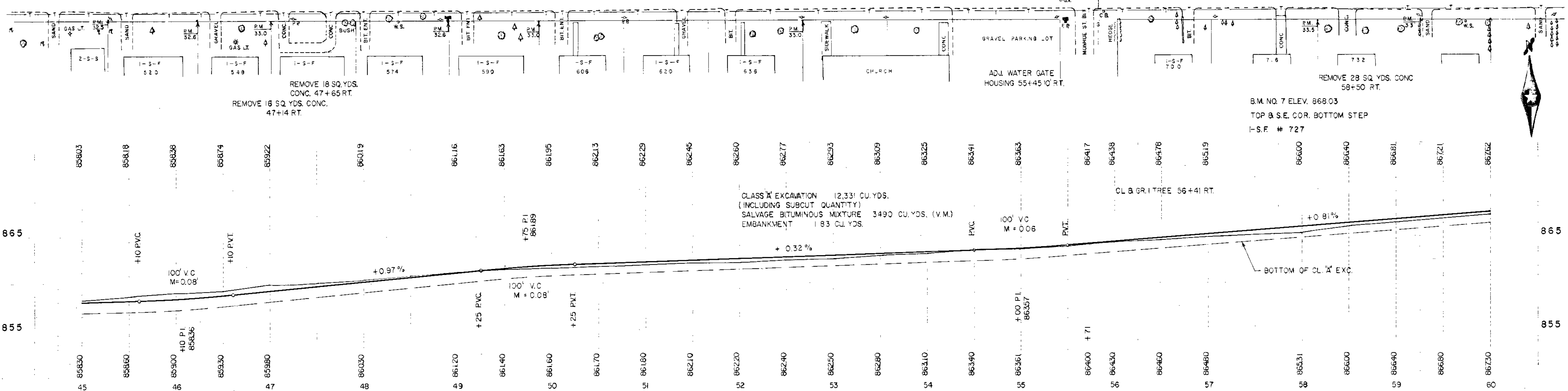
REMOVE 18 SQ. YDS. CONC. 47+65 RT.

REMOVE 16 SQ. YDS. CONC. 47+14 RT.

ADJ. WATER GATE HOUSING 55+45 10' RT.

REMOVE 28 SQ. YDS. CONC. 58+50 RT.

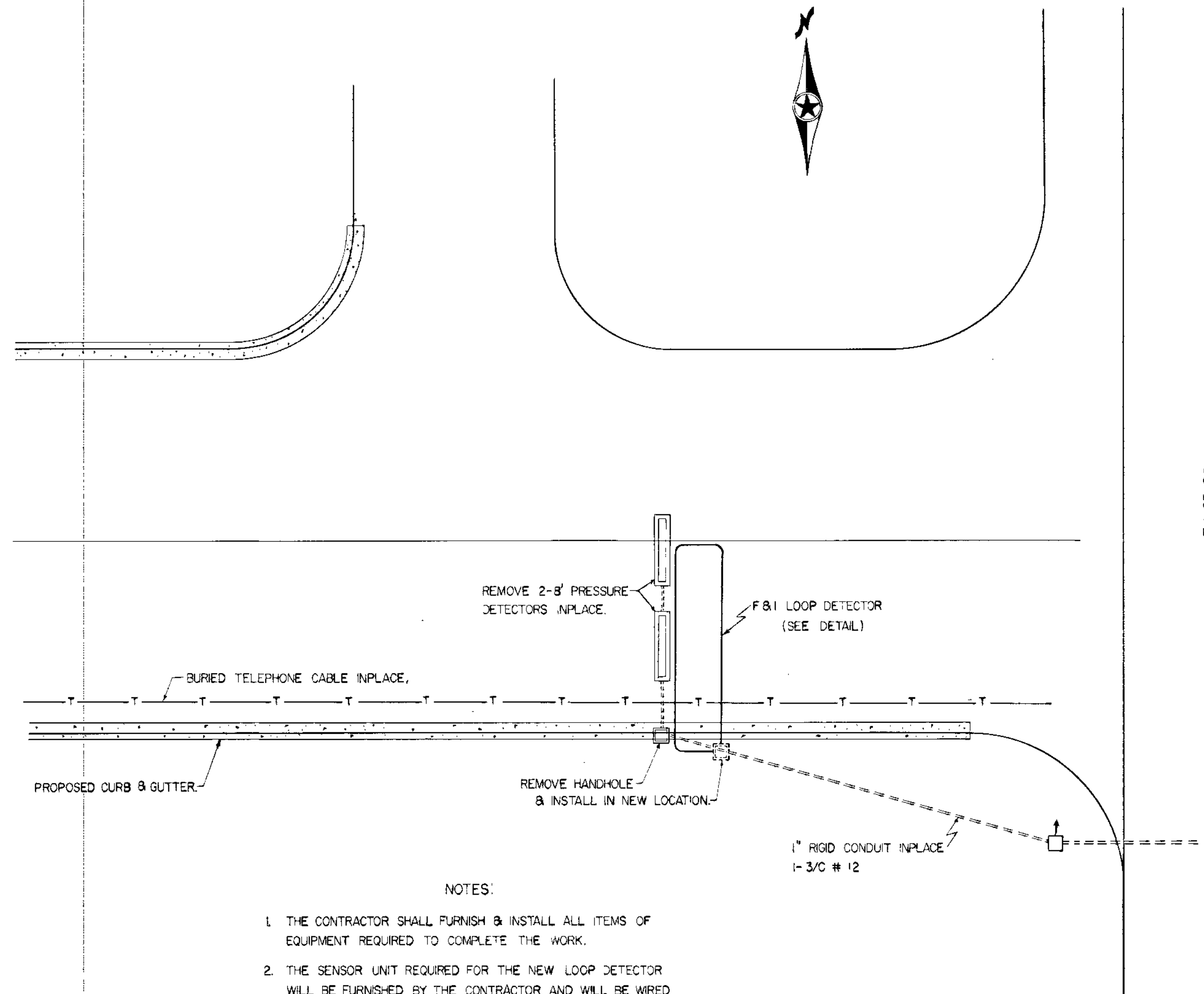
B.M. NO. 7 ELEV. 868.03
TOP & S.E. COR. BOTTOM STEP
T-S-F # 727



CLASS 'A' EXCAVATION 12,331 CU. YDS.
(INCLUDING SUBCUT QUANTITY)
SALVAGE BITUMINOUS MIXTURE 3490 CU. YDS. (V.M.)
EMBANKMENT 1,833 CU. YDS.

CL. & GR. 1 TREE 56+41 RT.

SIGNAL SYSTEM
ON MISSISSIPPI ST AT TH 65

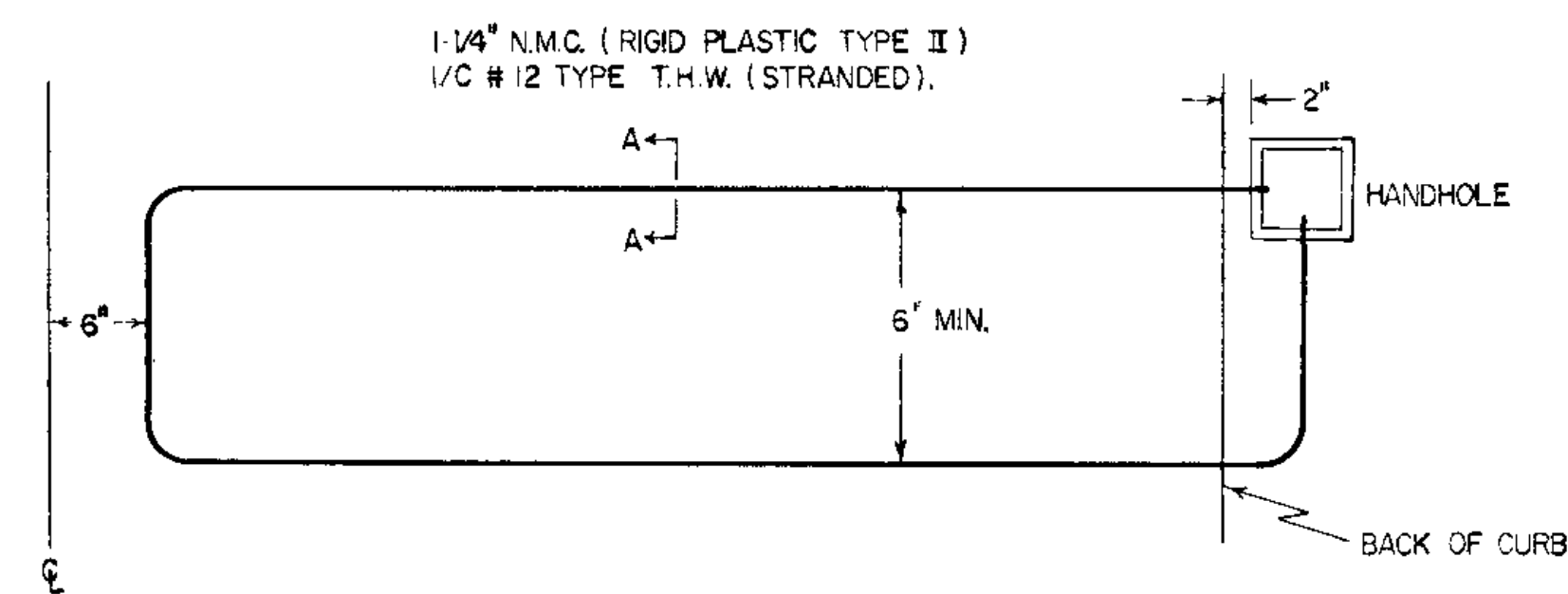


LOOP DETECTOR DETAIL

SCALE: NONE

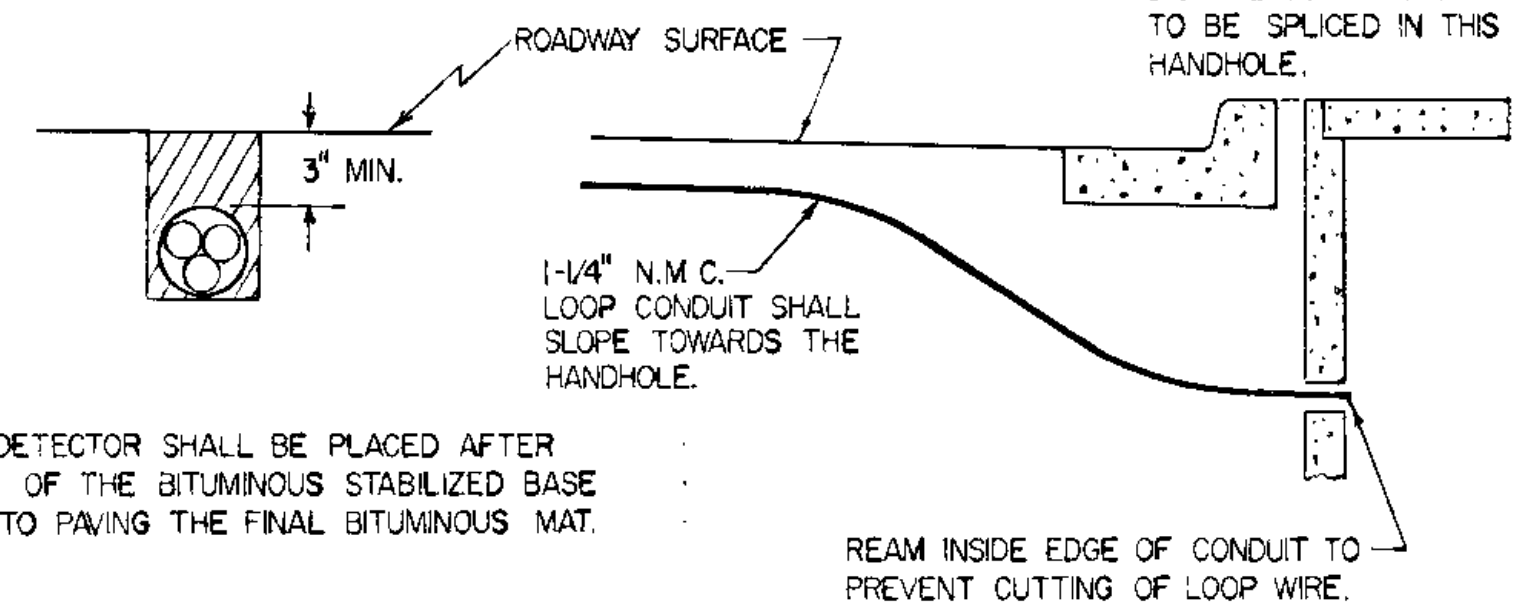
NOTE: NUMBER OF TURNS IN THE LOOPS SHALL BE AS SPECIFIED BY THE MANUFACTURER OF THE LOOP DETECTOR EQUIPMENT.

THE LOOP SHALL BE ONE CONTINUOUS WIRE WITH NO SPLICES AND EACH TURN SHALL BE PULLED TIGHT WITH NO SLACK IN THE HANDHOLE.



ALL CORNERS SHALL BE STANDARD 90° CONDUIT BENDS.

SEC. A-A



THE LOOP DETECTOR SHALL BE PLACED AFTER COMPLETION OF THE BITUMINOUS STABILIZED BASE AND PRIOR TO PAVING THE FINAL BITUMINOUS MAT.

REAM INSIDE EDGE OF CONDUIT TO PREVENT CUTTING OF LOOP WIRE.

NOTES:

1. THE CONTRACTOR SHALL FURNISH & INSTALL ALL ITEMS OF EQUIPMENT REQUIRED TO COMPLETE THE WORK.
2. THE SENSOR UNIT REQUIRED FOR THE NEW LOOP DETECTOR WILL BE FURNISHED BY THE CONTRACTOR AND WILL BE WIRED TO THE INPLACE EQUIPMENT BY OTHERS.
3. CAUTION WILL BE REQUIRED IN REMOVING & RELOCATING THE HANDHOLE IN ORDER TO PRESERVE ADEQUATE CONDUIT & WIRING FROM OLD TO NEW LOCATION.