CONTRACT NO. 87331

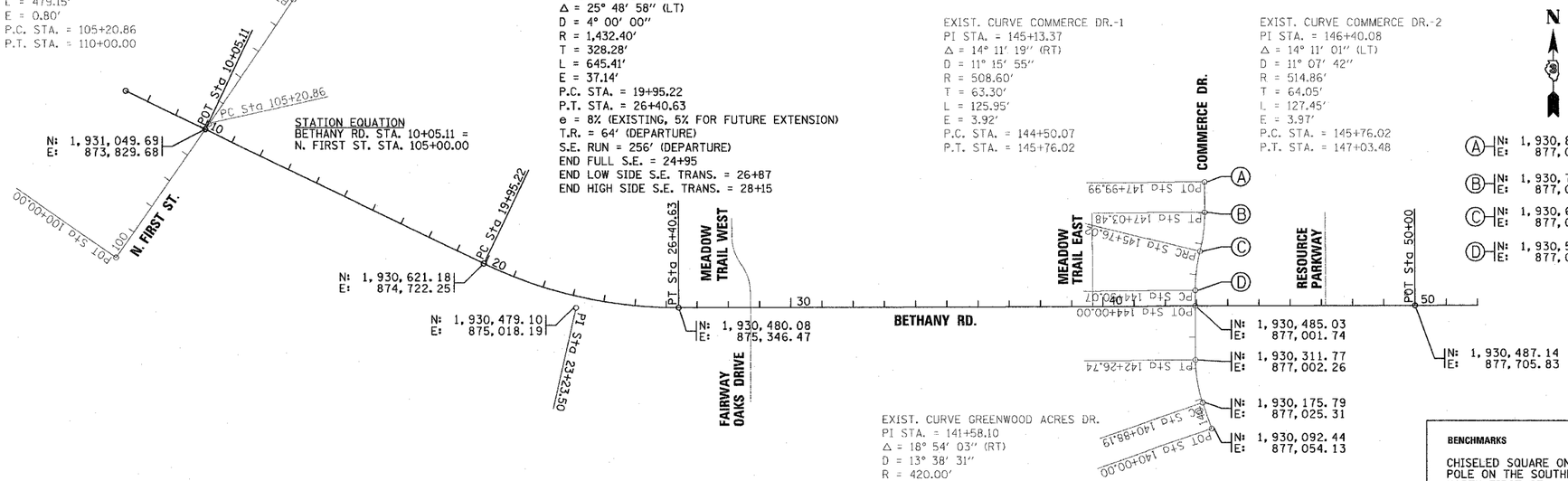
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5355	04-00167-00-WR	DEKALB	62	6
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

EXIST. N. FIRST ST. CURVE
PI STA. = 107+60.43
Δ = 0° 45′ 39″ (LT)
D = 0° 09′ 32″
R = 36,089.00′
T = 239.58′
L = 479.15′
E = 0.80′
P.C. STA. = 105+20.86
P.T. STA. = 110+00.00

PROP. CURVE 1
PI STA. = 23+23.50
Δ = 25° 48′ 58″ (LT)
D = 4° 00′ 00″
R = 1,432.40′
T = 328.28′
L = 645.41′
E = 37.14′
P.C. STA. = 19+95.22
P.T. STA. = 26+40.63
e = 8% (EXISTING, 5% FOR FUTURE EXTENSION)
T.R. = 64′ (DEPARTURE)
S.E. RUN = 256′ (DEPARTURE)
END FULL S.E. = 24+95
END LOW SIDE S.E. TRANS. = 26+87
END HIGH SIDE S.E. TRANS. = 28+15

EXIST. CURVE COMMERCE DR.-1
PI STA. = 145+13.37
Δ = 14° 11′ 19″ (RT)
D = 11° 15′ 55″
R = 508.60′
T = 63.30′
L = 125.95′
E = 3.92′
P.C. STA. = 144+50.07
P.T. STA. = 145+76.02

EXIST. CURVE COMMERCE DR.-2
PI STA. = 146+40.08
Δ = 14° 11′ 01″ (LT)
D = 11° 07′ 42″
R = 514.86′
T = 64.05′
L = 127.45′
E = 3.97′
P.C. STA. = 145+76.02
P.T. STA. = 147+03.48



EXIST. CURVE GREENWOOD ACRES DR.
PI STA. = 141+58.10
Δ = 18° 54′ 03″ (RT)
D = 13° 38′ 31″
R = 420.00′
T = 69.91′
L = 138.55′
E = 5.78′
P.C. STA. = 140+88.19
P.T. STA. = 142+26.74

STATION EQUATION
BETHANY RD. STA. 42+95.91 =
COMMERCE DR. STA. 144+00.00

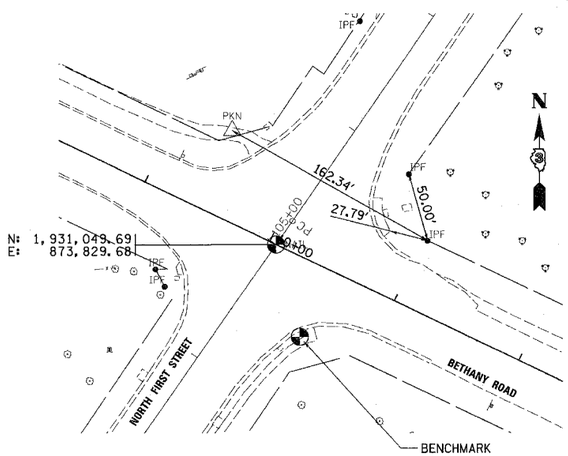
BENCHMARKS

CHISELED SQUARE ON THE BASE OF THE TRAFFIC SIGNAL POLE ON THE SOUTHEAST CORNER OF BETHANY RD. AND NORTH FIRST ST.

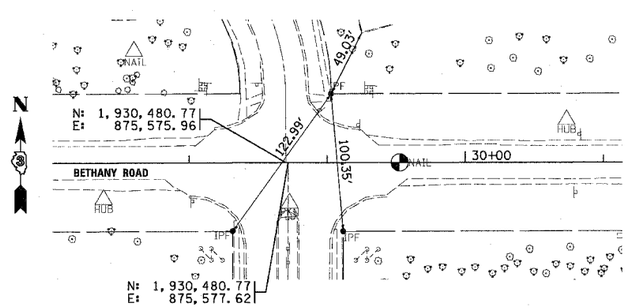
ELEV. = 839.74

F.E.M.A. R.M. 13: NORTH BOLT OF THE FIRE HYDRANT ON THE SOUTH SIDE OF STONEY CREEK RD. AT THE END OF THE STREET APPROXIMATELY 1/2 MILE SOUTH ON NORTH FIRST ST.

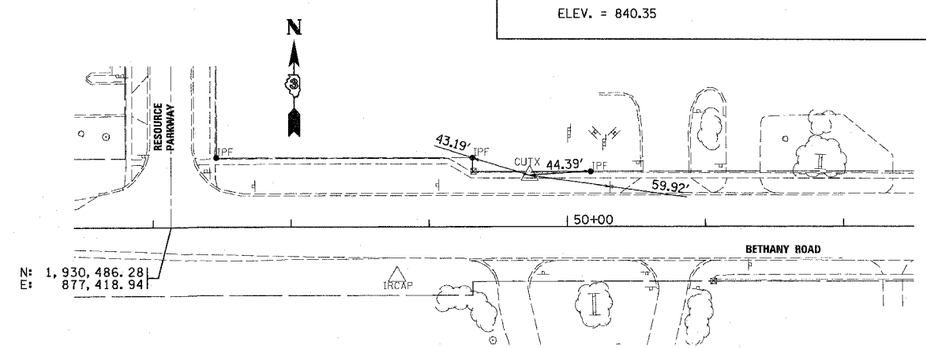
ELEV. = 840.35



SITE CONTROL
IRON PIPE (FOUND)
N: 1,931,052.47
E: 873,939.42
EL: 839.73
STA.: 11+02.84
OFF: 50.01′ LT.



SITE CONTROL
IRON PIPE (FOUND)
N: 1,930,530.87
E: 875,608.81
EL: 842.04
STA.: 29+03.12
OFF: 50.00′ LT.



SITE CONTROL
CHISELED "X" IN S.W.
N: 1,930,524.26
E: 877,678.64
EL: 855.27
STA.: 49+72.92
OFF: 37.20 LT.

RHA&A
Robert H. Anderson & Associates, Inc.
Consulting Engineers
Timbers Professional Center
220 West River Drive, St. Charles, IL 60174
Phone - 630.584.3530 Fax - 630.584.3047

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
BETHANY ROAD WIDENING
FAIRWAY OAKS DRIVE TO RESOURCE PARKWAY
CITY OF DEKALB

ALIGNMENT, TIES, & BENCHMARKS

SCALE: N.T.S.
DATE 8/17/07
DRAWN BY KMA
CHECKED BY BP

PLOT DATE = 8/16/2007
FILE NAME = H:\Dekalb\107203-Bethany\Rd\C_v11\Dgn\St-\ATB01.dgn
PLOT SCALE = N.T.S.
USER NAME = JESEL