

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
880	06-00097-00-FP	HAMILTON	25	1
FED. ROAD DIST. NO. 9 (ILLINOIS)		BELLE PRAIRIE ROAD		
PROJECT # SR-880(106)		CONTRACT # 99339		
LEC JOB # H081L003HM				

323 W. 3RD ST.
P.O. BOX 160
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PROFESSIONAL DESIGN FIRM
LAND SURVEY &
PROFESSIONAL ENGINEERING CORPORATION
181-00887
(62-032435)(35-002769)



AARON M. MEFFORD
NAME
SIGNATURE
DATE
12-17-08
11-30-09
EXPIRES

F.A.S. 880 (CH 8)
BELLE PRAIRIE ROAD
SECTION 06-00097-00-FP
HAMILTON COUNTY, ILLINOIS

SHEET TITLE:
GEN NOTES
MISC DETAILS

SCALE: VARS
BY: AMM
DATE: 12/2008
REV:

1 OF 25
SHEETS

SHEET NO.
1

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID S.T.R. & T.A.R.P. PROJECT

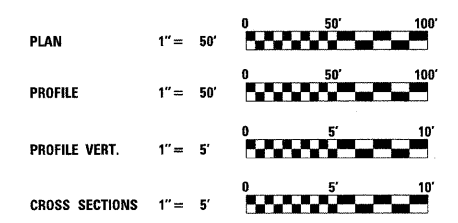
F.A.S. 880 (CH 8) SECTION 06-00097-00-FP HAMILTON COUNTY
PROJECT SR-880(106) JOB NO. C-99-507-07

INDEX OF SHEETS

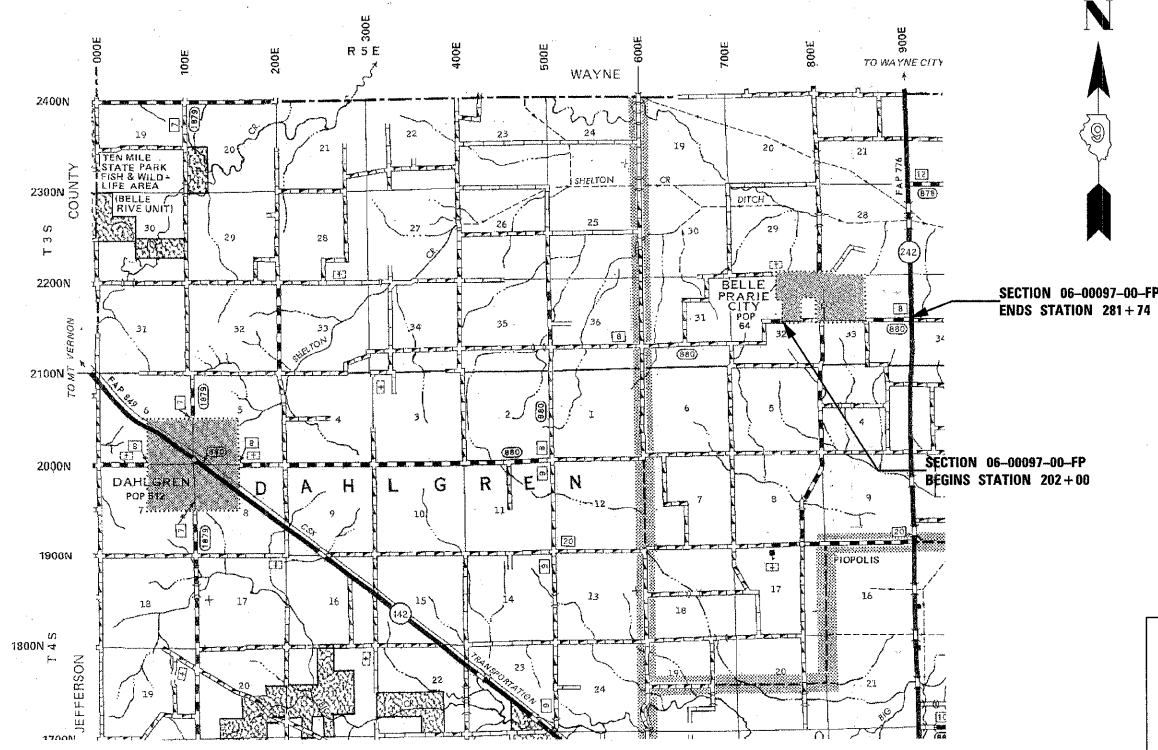
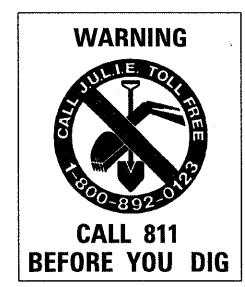
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2-3	SUMMARY OF QUANTITIES, TYPICAL SECTIONS, GENERAL NOTES & MISC. DETAILS
4-5	EROSION CONTROL PLAN
6-11	PLAN & PROFILE SHEETS
12-23	ROADWAY CROSS SECTIONS
24	PIPE CULVERT CROSS-SECTIONS- VARIOUS LOCATIONS
25	BOX CULVERT EXTENSION DETAILS- STA 281+00

**THE FOLLOWING STANDARDS
ARE A PART OF THESE PLANS AND
ARE INCLUDED AFTER SHEET NO. 25**

000001-05	STANDARD SYMBOLS, ABBREVIATIONS & PATTERNS
280001-04	TEMPORARY EROSION CONTROL SYSTEMS
406201-01	MAILBOX TURNOUT
542301-02	PRECAST REINFORCED CONCRETE FLARED END SECTION
666001-01	RIGHT OF WAY MARKERS
701306-02	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS - DAY ONLY FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
701901-01	TRAFFIC CONTROL DEVICES
720006-02	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
780001-02	TYPICAL PAVEMENT MARKINGS
B.L.R. 21-8	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
B.L.R. 22-6	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS (TWO-LANE TWO-WAY RURAL TRAFFIC) (ROAD CLOSED TO THRU TRAFFIC)



DESIGN DESIGNATION:
DESIGN SPEED: 40 MPH
HIGHWAY CLASS - RURAL MAJOR COLLECTOR
CURRENT A.D.T. = 500
CONTRACT NO. 99339



LAYOUT
APPROXIMATE SCALE 1 INCH = 1 MILE

MILES

GROSS LENGTH	7,974 FT	1.510 MILES
OMISSION	0 FT	0.000 MILES
NET LENGTH	7,974 FT	1.510 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED December 16, 2008

Kenneth D. ...
COUNTY ENGINEER

PASSED December 29, 2008

Kevin ...
ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW DECEMBER 31, 2008

Mary C. Lamie
MARY C. LAMIE, P.E.
DEPUTY DIRECTOR OF HIGHWAY
REGION FIVE ENGINEER

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY
2010010	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	102.00
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	72.00
20200100	EARTH EXCAVATION	CU YD	4150.00
25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	6.00
25001845	SEEDING, CLASS 7 (SPECIAL)	ACRE	6.00
28000300	TEMPORARY DITCH CHECKS	EACH	84.00
28000400	PERIMETER EROSION BARRIER	FOOT	180.00
28000500	INLET AND PIPE PROTECTION	EACH	2.00
28102600	STONE RIPRAP DITCH	TON	430.00
31000800	PROCESSING LIME STABILIZED SOIL MIXTURE 16"	SQ YD	21189.00
31001500	LIME	TON	1259.00
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	208.00
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	5072.00
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	2262.00
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C" N50	TON	1995.00
44000600	SIDEWALK REMOVAL	SQ FT	15.00
48101200	AGGREGATE SHOULDERS, TYPE B	TON	727.00
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1.00
50800105	REINFORCEMENT BARS	POUND	485.00
54002020	EXPANSION BOLTS 3/4 INCH	EACH	8.00
54003000	CONCRETE BOX CULVERTS	CU YD	5.10
542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	126.00
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	44.00
542A0235	PIPE CULVERTS, CLASS A, TYPE 1 30"	FOOT	72.00
542A0241	PIPE CULVERTS, CLASS A, TYPE 1 36"	FOOT	32.00
542D0217	PIPE CULVERTS, CLASS D, TYPE 1 12"	FOOT	510.00
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	40.00
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	80.00
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTION 15"	EACH	1.00
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	8.00
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2.00
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	4.00
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	2.00
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	39.00
550B0070	STORM SEWERS, CLASS B, TYPE 1 15"	FOOT	85.00
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	121.20
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	2.00
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	17.00
67100100	MOBILIZATION	L SUM	1.00
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1.00
72000100	SIGN PANEL-TYPE 1	SQ FT	30.50
72900100	METAL POST-TYPE A	FOOT	51.00
* 78001110	PAINT PAVEMENT MARKING-LINE 4"	FOOT	28981.00
* 78001180	PAINT PAVEMENT MARKING-LINE 24"	FOOT	20.00

* SPECIALTY ITEMS

SCHEDULE FOR SIGNS AND POSTS

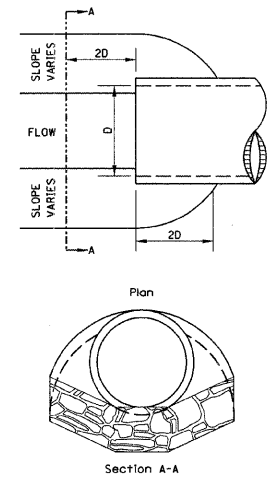
STA.	LOC.	MUTCD CODE	STYLE	SIZE	SQ FT	METAL POST-TYPE A LENGTH
231+60	SR LT	W3-1A	STOP AHEAD	36" X 36"	9.00	13.0
231+60	26' LT	R1-1	STOP	30" X 30"	6.25	12.5
276+90	18.25' RT	W3-1A	STOP AHEAD	36" X 36"	9.00	12.5
281+40	26' RT	R1-1	STOP	30" X 30"	6.25	13.0
TOTAL					30.50	51.00

SCHEDULE OF AGGREGATE SHOULDER STONE IN TANGENT

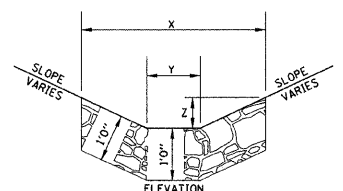
STATION	TO	STATION	LOCATION	ALLOWED TONS EST. QUANTITY
202+00		231+80	LT.	113.3
231+80		281+74	LT.	249.8
202+00		231+80	RT.	113.3
231+80		281+74	RT.	249.8
TOTAL				726.2

THE ABOVE QUANTITY IS FOR THE ENTIRE SECTION AND IS INCLUDED IN THE QUANTITY FOR AGGREGATE SHOULDERS, TYPE B IN THE SUMMARY OF QUANTITIES.

STONE RIPRAP DITCH DESIGN



NOTE: FOR PLACEMENT, QUALITY GRADATION AND OTHER MISCELLANEOUS REQUIREMENTS FOR STONE RIPRAP DITCH-SEE SPECIAL PROVISIONS.

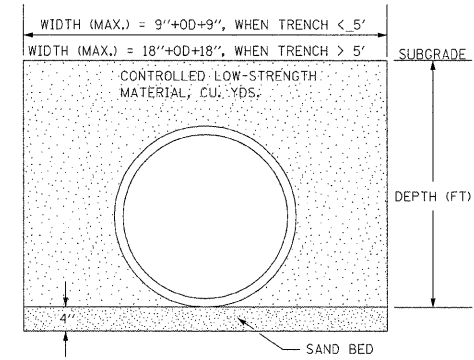


BOTTOM OF DITCH	SLOPE			
	1 1/2:1	2:1	3:1	
2 FT	X= 5 FT	6 FT	8 FT	
	Y= 2 FT	2 FT	2 FT	
	Z= 1 FT	1 FT	1 FT	
	0.40	0.48	0.62	TON/LIN. FT

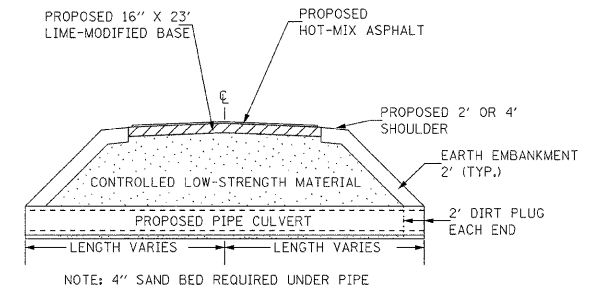
	1 1/2:1	2:1	3:1	
3 FT	X= 6 FT	7 FT	9 FT	
	Y= 3 FT	3 FT	3 FT	
	Z= 1 FT	1 FT	1 FT	
	0.48	0.56	0.70	TON/LIN. FT

	1 1/2:1	2:1	3:1	
4 FT	X= 7 FT	8 FT	10 FT	
	Y= 4 FT	4 FT	4 FT	
	Z= 1 FT	1 FT	1 FT	
	0.56	0.64	0.78	TON/LIN. FT

DETAIL OF ACROSS ROAD REINFORCED CONCRETE CULVERT PIPES



PROPOSED TYPICAL CROSS SECTION AT PIPE CULVERTS



EARTHWORK SCHEDULE

LOCATION	EARTH EXCAVATION	CHANNEL EXCAVATION	ESTIMATED UNSUITABLE MATERIAL	SUITABLE MATERIAL ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD
STA 202+00 TO 281+74	4149.8	0.0	0.0	3112.4	2873.2	+239.2
SR'S, FE'S & PE'S	0.0	0.0	0.0	0.0	22.9	-22.9
TOTAL	4149.8	0.0	0.0	3112.4	2896.1	+216.3

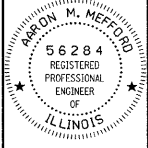
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
880	06-0097-00-FP	HAMILTON	25	2
FED. ROAD DIST. NO. 9		ILLINOIS	BELLE PRAIRIE ROAD	
PROJECT * SR-8801061		CONTRACT * 99339		
LEC JOB * H081L003HM				

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(62-032435)(35-002769)



AARON M. MEFFORD
NAME
SIGNATURE
12-17-06
DATE
11-30-09 EXPIRES

F.A.S. 880 (CH 8)
BELLE PRAIRIE ROAD
SECTION 06-0097-00-FP
HAMILTON COUNTY, ILLINOIS

SHEET TITLE:

SUMMARY OF QUANTITIES & MISC DETAILS

SCALE: VARIES
BY: AMM
DATE: 12/06
REV:

2 OF 25 SHEETS

SHEET NO. 2

GENERAL NOTES:

THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS AND "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2007.

THE WORK INVOLVED ON THIS SECTION CONSISTS OF EARTH EXCAVATION, EMBANKMENT A HOT-MIX ASPHALT ON A 16" LIME - MODIFIED BASE COURSE AND OTHER MISCELLANEOUS ITEMS.

ALL ELEVATIONS ARE BASED ON U.S.G.S. MEAN SEA LEVEL DATUM.

IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO CONTACT ALL UTILITIES AFFECTING THE PROJECT, PRIOR TO CONSTRUCTION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FEES, PERMITS, LICENSES, COSTS, AND PAYMENTS TO GOVERNMENTAL AUTHORITIES FOR THE ISSUANCE OF PERMITS.

THE FOLLOWING RATES HAVE BEEN USED TO CALCULATE PLAN QUANTITIES:

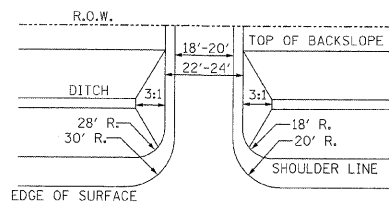
AGGREGATE SHOULDERS TY. B	1.8 T / CU YD
BITUMINOUS CONCRETE	0.0560 T / SQ YD • INCH
BITUMINOUS MATERIAL (PRIME COAT)	0.25 GAL / SQ YD

THE QUANTITY SHOWN IN THE SUMMARY OF QUANTITIES FOR HOT-MIX ASPHALT SURFACE COURSE ALLOWS 268.6 TONS FOR THE INTERSECTION AND SIDEROADS, 94.4 TON FOR THE ENTRANCES, 17.0 TON FOR THE MAILBOX TURNOUT, AND 1601.6 TON FOR THE MAINLINE.

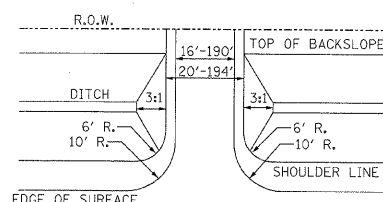
SCHEDULE FOR SUPERELEVATION RATES

CURVE #5
TANGENT RUNOUT BEGINS STA. 192+48.96
S.E. RUNOFF BEGINS STA. 192+81.19
FULL S.E. BEGINS STA. 194+46.19
FULL S.E. ENDS STA. 200+75.37
S.E. RUNOFF ENDS STA. 202+40.37
TANGENT RUNOUT ENDS STA. 202+72.60
S.E. RATE = 0.08 FT / FT

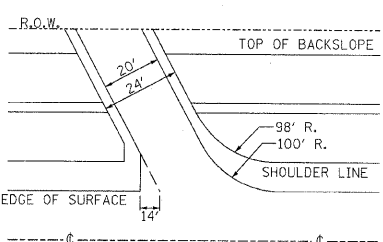
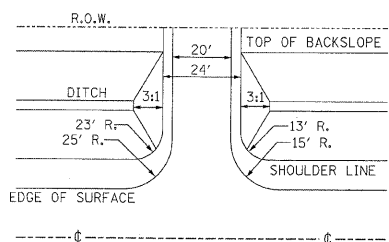
SIDEROAD DETAIL
STA 229+40 AND STA 255+70



FIELD ENTRANCE DETAIL



SIDEROAD DETAIL
STA 231+81 AND STA 232+19



SCHEDULE OF PAVEMENT MARKINGS

STATION	TO	STATION	LOCATION	LENGTH - FOOT	
202+00		281+74	CENTERLINE	775	
202+00		229+20	EDGELINE	2720	
229+60		255+50	EDGELINE	2590	
256+00		281+74	EDGELINE	2574	
202+00		231+61	EDGELINE	2961	
232+01		232+75	EDGELINE	74	
233+35		281+74	EDGELINE	4839	
202+00		208+50	NO PASSING	650	
202+00		223+00	NO PASSING	2100	
221+00		226+25	NO PASSING	525	
230+25		241+00	NO PASSING	1075	
234+25		281+74	NO PASSING	4749	
248+25		281+74	NO PASSING	3349	
				TOTAL	28,981

THE ABOVE QUANTITY IS SHOW IN THE PAVEMENT MARKING-LINE 4" IN THE SUMMARY OF QUANTITIES.

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
880	06-00097-00-FP	HAMILTON	25	3
FED. ROAD DIST. NO. 9 ILLINOIS BELLE PRAIRIE ROAD				
PROJECT # SR-880106			CONTRACT # 99339	
LEC JOB # H081003HM				

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AARON M. MEFFORD

NAME
Signature
SIGNATURE

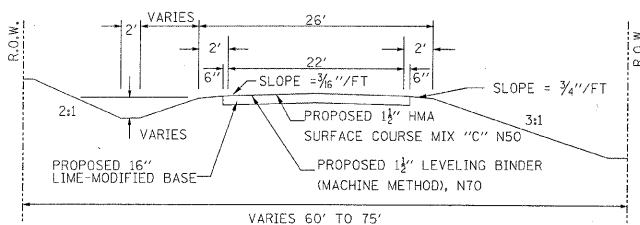
DATE
12-17-08

11-30-09
EXPIRES

F.A.S. 880 (CH 8)
BELLE PRAIRIE ROAD
SECTION 06-00097-00-FP
HAMILTON COUNTY, ILLINOIS

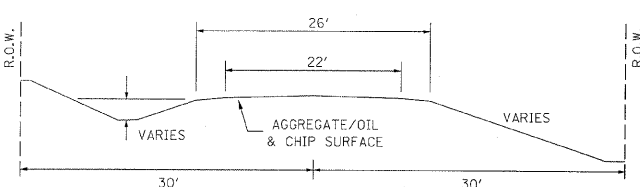
TYPICAL CROSS SECTION PROPOSED

(STA 202+00 TO STA 231+80)



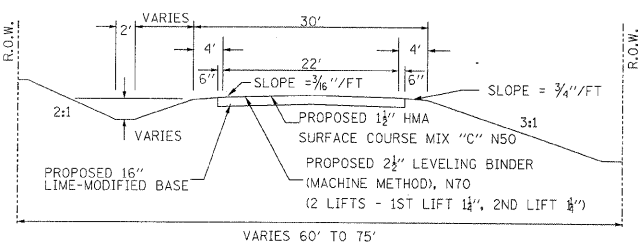
TYPICAL CROSS SECTION EXISTING

(STA 202+00 TO STA 231+80)



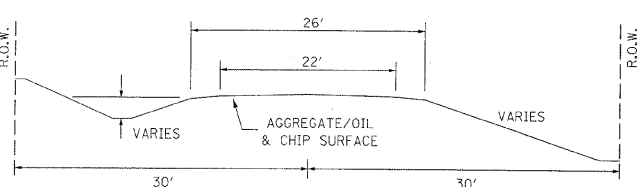
TYPICAL CROSS SECTION PROPOSED

(STA 231+80 TO STA 281+74)



TYPICAL CROSS SECTION EXISTING

(STA 231+80 TO STA 281+74)



FURNISHING & ERECTING RIGHT-OF-WAY MARKERS

STATION	LOCATION	QUANTITY
223+50	RT	1.0
223+75	RT	1.0
224+25	RT	1.0
231+00	RT	1.0
231+25	RT	1.0
231+75	RT	1.0
232+00	RT	1.0
239+00	LT	1.0
239+25	LT	1.0
239+50	LT	1.0
239+75	LT	1.0
280+50	LT	1.0
281+00	LT	1.0
281+18.3	RT	1.0
281+42.88	RT	1.0
281+52.9	LT	1.0
281+55.72	RT	1.0
		TOTAL = 17.0 EACH

SCHEDULE OF MAILBOX TURNOUTS

STATION	LOCATION	EST. QUANTITY ALLOWED TONS
203+37	LT.	2.2
210+44	LT.	5.3
219+89	LT.	3.4
225+89	LT.	1.4
227+04	LT.	1.6
242+74	LT.	3.1
		17.0

THE ABOVE QUANTITY IS INCLUDED IN THE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 IN THE SUMMARY OF QUANTITIES.

TOTAL = 84.0 EACH

CONSTRUCT SPECIAL DITCH

- STA 202+50 TO STA 207+00 RT
- STA 204+00 TO STA 208+00 LT
- STA 207+00 TO STA 224+00 RT
- STA 211+00 TO STA 218+20 LT
- STA 220+35 TO STA 224+00 LT
- STA 224+00 TO STA 227+50 LT
- STA 224+00 TO STA 226+90 RT
- STA 227+40 TO STA 229+00 RT
- STA 227+50 TO STA 231+56 LT
- STA 229+56 TO STA 239+39 RT
- STA 232+03 TO STA 232+50 LT
- STA 233+25 TO STA 239+39 LT
- STA 239+39 TO STA 246+40 LT
- STA 239+39 TO STA 246+45 RT
- STA 246+75 TO STA 253+70 LT
- STA 246+80 TO STA 253+70 RT
- STA 253+70 TO STA 259+20 RT
- STA 254+25 TO STA 257+00 LT
- STA 259+20 TO STA 262+84 RT
- STA 262+00 TO STA 262+84 LT
- STA 262+84 TO STA 265+30 LT
- STA 262+84 TO STA 263+50 RT
- STA 263+50 TO STA 269+30 RT
- STA 265+30 TO STA 268+50 LT
- STA 269+30 TO STA 271+70 RT
- STA 270+50 TO STA 272+00 LT
- STA 272+00 TO STA 281+00 LT
- STA 272+10 TO STA 281+00 RT
- STA 281+00 TO STA X+00 LT
- STA 281+00 TO STA X+00 RT

CONSTRUCT STONE RIPRAP DITCH

- STA 217+70 TO STA 218+20 LT (0.48 TON/LIN FT)
- STA 223+50 TO STA 224+27 RT (0.48 TON/LIN FT)
- STA 223+50 TO STA 224+50 LT (0.48 TON/LIN FT)
- STA 231+26 TO STA 231+76 RT (0.48 TON/LIN FT)
- STA 231+46 TO STA 231+56 LT (0.48 TON/LIN FT)
- STA 232+25 TO STA 232+75 RT (0.48 TON/LIN FT)
- STA 232+45 TO STA 232+55 LT (0.48 TON/LIN FT)
- STA 238+89 TO STA 239+89 LT (0.48 TON/LIN FT)
- STA 238+89 TO STA 239+89 RT (0.48 TON/LIN FT)
- STA 253+20 TO STA 254+20 LT (0.48 TON/LIN FT)
- STA 253+20 TO STA 254+20 RT (0.48 TON/LIN FT)
- STA 255+45 TO STA 255+50 RT (0.48 TON/LIN FT)
- STA 256+00 TO STA 256+05 RT (0.48 TON/LIN FT)
- STA 262+74 TO STA 262+94 RT (0.48 TON/LIN FT)
- STA 262+79 TO STA 262+89 LT (0.48 TON/LIN FT)
- STA 280+50 TO STA 281+06 RT (0.48 TON/LIN FT)
- STA 280+90 TO STA 281+10 LT (0.48 TON/LIN FT)
- STA 281+45 TO STA 281+55 LT (0.56 TON/LIN FT)
- STA 281+64.46 TO STA 125.9 LT (0.48 TON/LIN FT)

430 TON STONE RIPRAP DITCH ALLOWED IN PROPOSAL.

SEE SHEET NO. 3 FOR STONE RIPRAP DITCH DETAIL.

SCHEDULE OF SIDEROAD, FIELD & PRIVATE ENTRANCES

STATION	LOCATION	TYPE	PROPOSED PIPE	PROPOSED LENGTH	CLSM (CY)	HMA SC "C" N50 (IN TONS)	STATION	LOCATION	TYPE	PROPOSED PIPE	PROPOSED LENGTH	CLSM (CY)	HMA SC "C" N50 (IN TONS)
203+17	LT	PE	NONE	-	-	2.6	202+85	RT	FE	12" CL D	30	-	1.4
208+41	LT	PE	NONE-SUMMIT	-	-	3.0	206+38	RT	FE	12" CL D	30	-	1.1
209+86	LT	PE	NONE	-	-	2.5	209+86	RT	FE	12" CL D	30	-	1.5
211+80	LT	PE	12" CL D	40	-	2.1	224+43	RT	FE	12" CL D	40	-	1.8
213+67	LT	PE	15" CL D	40	-	2.2	227+09	RT	PE	NONE-SUMMIT	-	-	2.8
219+29	LT	PE	NONE	-	-	1.9	242+40	RT	FE	12" CL D	40	-	3.0
225+73	LT	PE	12" CL D	40	-	1.8	246+63	RT	FE	NONE-SUMMIT	-	-	2.6
226+74	LT	PE	12" CL D	40	-	1.4	271+89	RT	FE	NONE	-	-	2.4
235+70	LT	PE	18" CL D	40	-	3.3							
237+24	LT	PE	18" CL D	40	-	3.6	229+40	RT	SR	NONE	-	-	14.9
242+64	LT	PE	12" CL D	40	-	1.7	231+81	LT	SR	NONE	-	-	16.6
245+07	LT	PE	12" CL D	40	-	1.6	232+19	LT	SR	NONE	-	-	24.8
246+58	LT	PE	NONE-SUMMIT	-	-	2.7	255+70	RT	SR	18" CL A	35	10.1	22.1
249+19	LT	PE	12" CL D	30	-	1.8							
250+14	LT	PE	12" CL D	30	-	1.4							
252+44	LT	PE	12" CL D	40	-	3.4							
255+66	LT	PE	12" CL D	40	-	1.9							
257+84	LT	PE	NONE	-	-	16.1							
260+25	LT	PE	NONE	-	-	20.5							
269+05	LT	PE	NONE	-	-	2.6							

THE ABOVE QUANTITY IS INCLUDED IN THE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 IN THE SUMMARY OF QUANTITIES.

TREE REMOVAL SCHEDULE

STATION	LOCATION	PROPOSED SIZE	SKREW	CLSM (CY)
214+13	TO 214+73	LT	0"	32
232+09		LT	0"	30
244+93		LT	0"	30
245+65		LT	0"	36
253+70		30"	0" LT	36
262+84		18"	0"	31
281+08		24"	0"	44

SCHEDULE OF ACROSS ROAD PIPE CULVERTS, CLASS A, TYPE 1

STATION	SIZE	SKREW	PROPOSED LENGTH	CLSM (CY)
202+29	LEAVE IN PLACE	-	-	-
223+97	36"	0"	32	24.5
231+56	18"	0"	30	9.5
232+56	18"	0"	30	9.5
239+39	30"	0"	36	20.6
253+70	30"	0" LT	36	20.6
262+84	18"	0"	31	9.5
281+08	24"	0"	44	16.9

REMOVAL SCHEDULE

STATION	LOCATION	EXISTING
208+41	LT	12" STEEL
271+89	RT	12" CMP
281+55	RT	SIDEWALK DRIVE
281+55	RT	SIDEWALK DRIVE

SCALE: VARIOUS

BY: AMM

DATE: 12/08

REV:

3 OF 25 SHEETS

SHEET NO. 3

P.I. STA= 209+21.61
 $\Delta = 00^{\circ}13'01''$ RT

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
880	06-00097-00-FP	HAMILTON	25	4
FED. ROAD DIST. NO. 9 ILLINOIS		BELLE PRAIRIE ROAD		
PROJECT # SR-880106		CONTRACT # 99339		
LEC JOB # H081003M				

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 62863
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 FAX:
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405 W STATE ST.
 SUITE1
 PRINCETON, IN
 47670
 PHONE:
 (812)-386-7611
 FAX:
 (812)-385-2812



PROFESSIONAL DESIGN FIRM
 LAND SURVEY &
 PROFESSIONAL ENGINEERING CORPORATION
 184-00887
 (62-032435)(35-002769)



AARON M. MEFFORD
 NAME
 SIGNATURE
 12-17-08
 DATE
 11-30-09
 EXPIRES

F.A.S. 880 (CH 8)
 BELLE PRAIRIE ROAD
 SECTION 06-00097-00-FP
 HAMILTON COUNTY, ILLINOIS

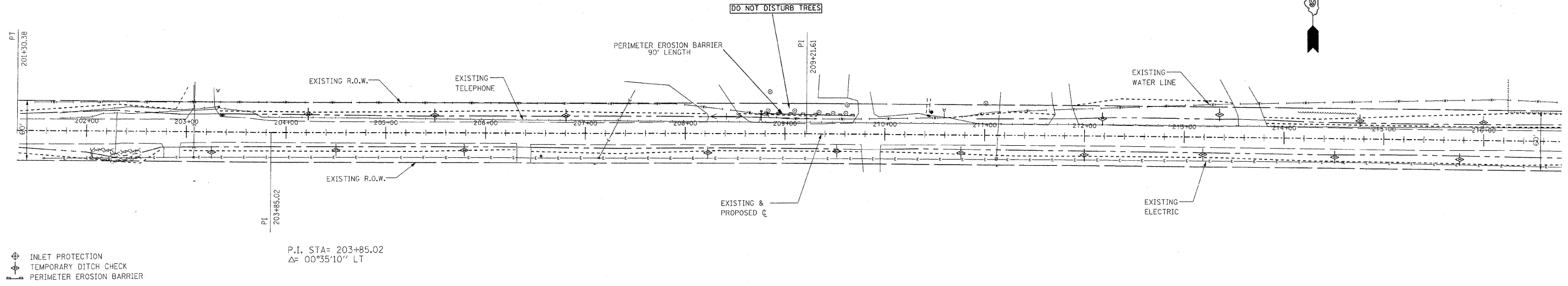
SHEET TITLE:

EROSION CONTROL PLAN

SCALE: VARIES
 BY: AMM
 DATE: 11/08
 REV:

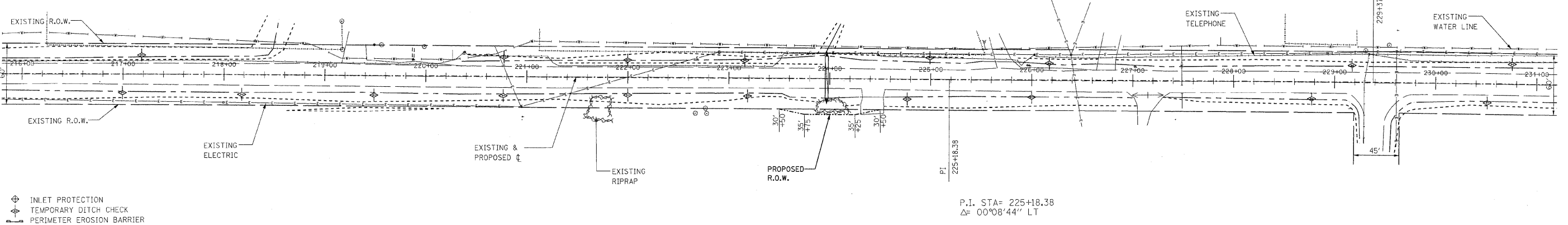
4 OF 25 SHEETS

SHEET NO. 4



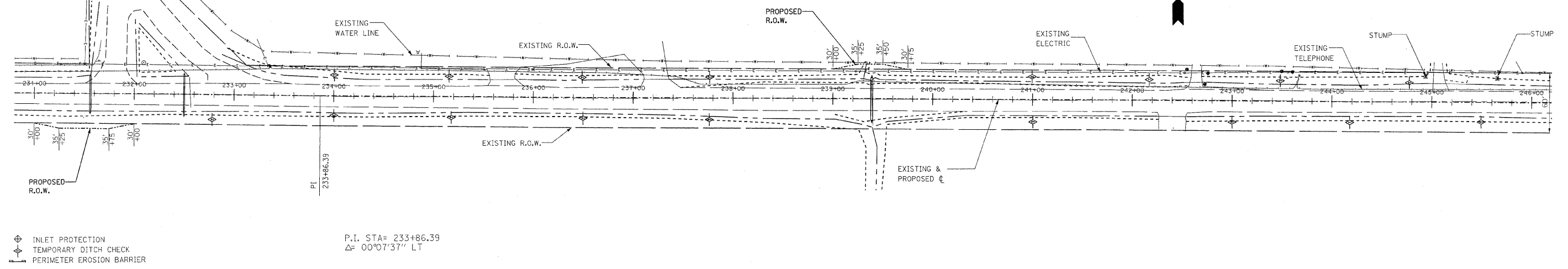
P.I. STA= 203+85.02
 $\Delta = 00^{\circ}35'10''$ LT

- ⊕ INLET PROTECTION
- ⊕ TEMPORARY DITCH CHECK
- ⊕ PERIMETER EROSION BARRIER



P.I. STA= 225+18.38
 $\Delta = 00^{\circ}08'44''$ LT

- ⊕ INLET PROTECTION
- ⊕ TEMPORARY DITCH CHECK
- ⊕ PERIMETER EROSION BARRIER



P.I. STA= 233+86.39
 $\Delta = 00^{\circ}07'37''$ LT

- ⊕ INLET PROTECTION
- ⊕ TEMPORARY DITCH CHECK
- ⊕ PERIMETER EROSION BARRIER

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
880	06-00097-00-FP	HAMILTON	25	5
FED. ROAD DIST. NO. 9 ILLINOIS		BELLE PRAIRIE ROAD		
PROJECT # SR-880(106)		CONTRACT # 99339		
LEC JOB # H081003HM				

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184-000887
(62-032435)(35-002769)



AARON M. MEFFORD
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EXPIRES

F.A.S. 880 (CH 8)
BELLE PRAIRIE ROAD
SECTION 06-00097-00-FP
HAMILTON COUNTY, ILLINOIS

SHEET TITLE:

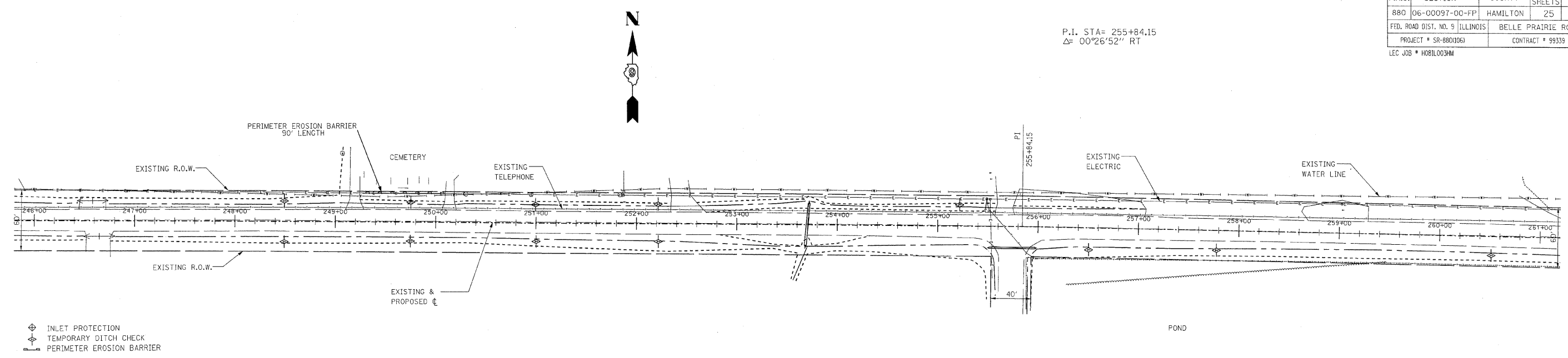
EROSION CONTROL PLAN

SCALE: WRES
BY: AMM
DATE: 11/9/08
REV:

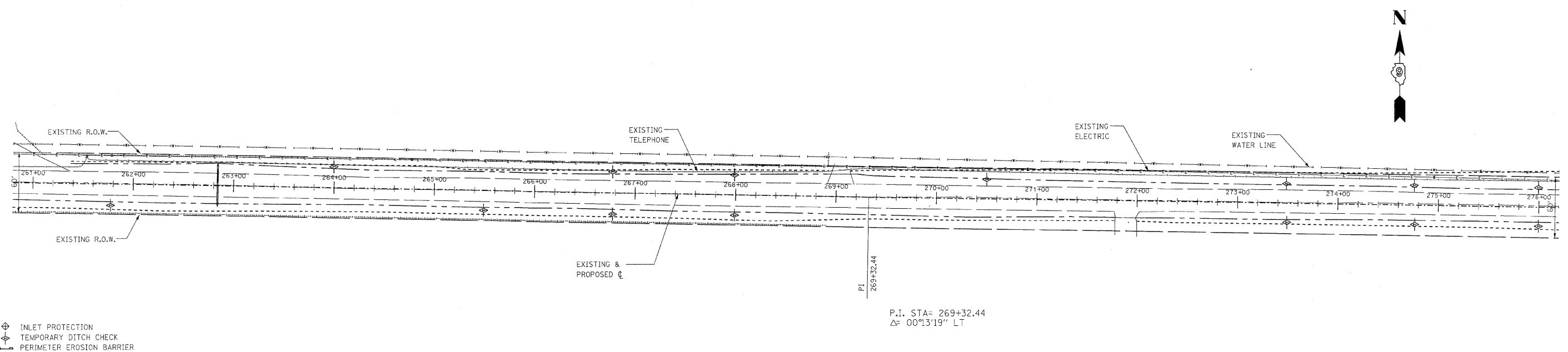
5 OF 25 SHEETS

SHEET NO. 5

P.I. STA= 255+84.15
 $\Delta = 00^{\circ}26'52''$ RT

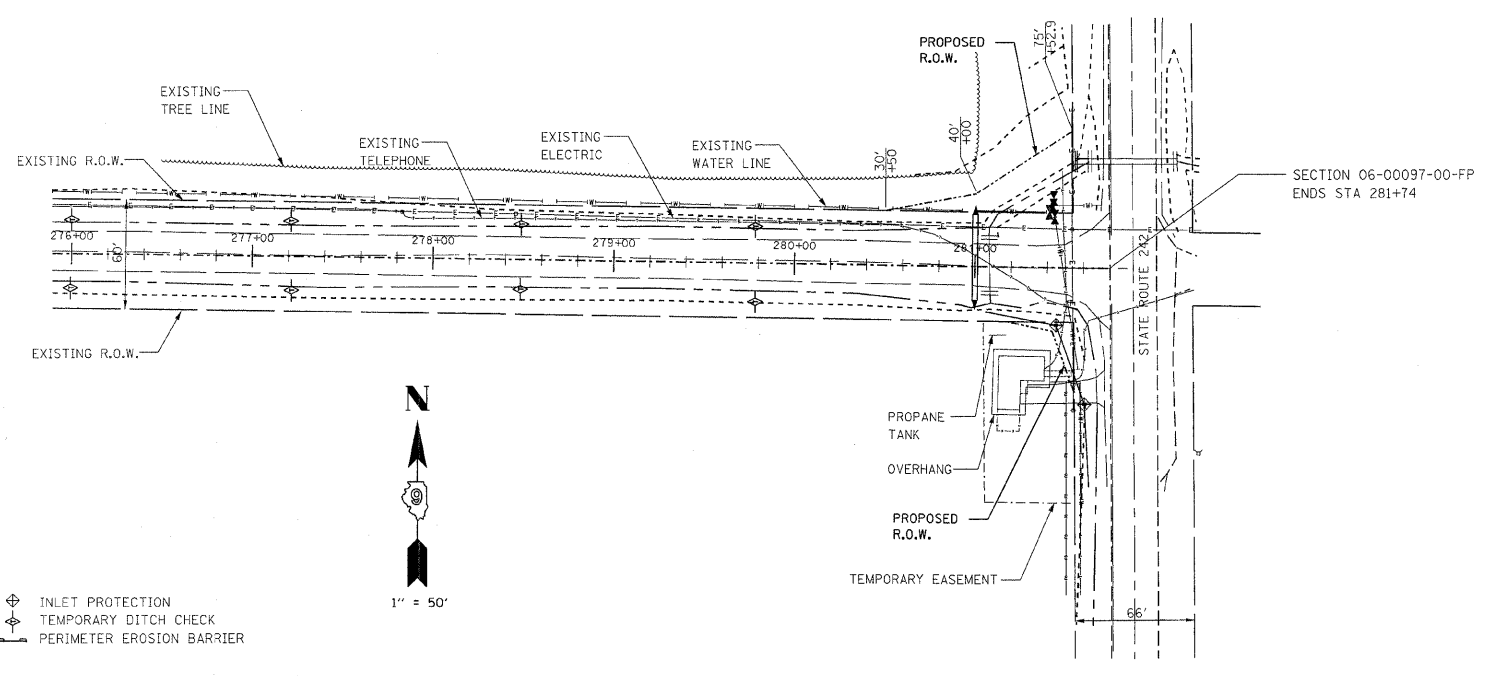


- ⊕ INLET PROTECTION
- ⊕ TEMPORARY DITCH CHECK
- ⊕ PERIMETER EROSION BARRIER



- ⊕ INLET PROTECTION
- ⊕ TEMPORARY DITCH CHECK
- ⊕ PERIMETER EROSION BARRIER

P.I. STA= 269+32.44
 $\Delta = 00^{\circ}13'19''$ LT



- ⊕ INLET PROTECTION
- ⊕ TEMPORARY DITCH CHECK
- ⊕ PERIMETER EROSION BARRIER

1" = 50'

SECTION 06-00097-00-FP
ENDS STA 281+74

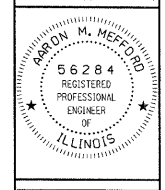
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
880	06-00097-00-FP	HAMILTON	25	6
FED. ROAD DIST. NO. 9 ILLINOIS		BELLE PRAIRIE ROAD		
PROJECT # SR-880006		CONTRACT # 99339		
LEC JOB # H081003HM				

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184-001887
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AARON M. MEFFORD
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Aaron M. Mefford
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DATE
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EXPIRES

F.A.S. 880 (CH 8)
BELLE PRAIRIE ROAD
SECTION 06-00097-00-FP
HAMILTON COUNTY, ILLINOIS

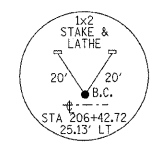
SHEET TITLE:

PLAN & PROFILE

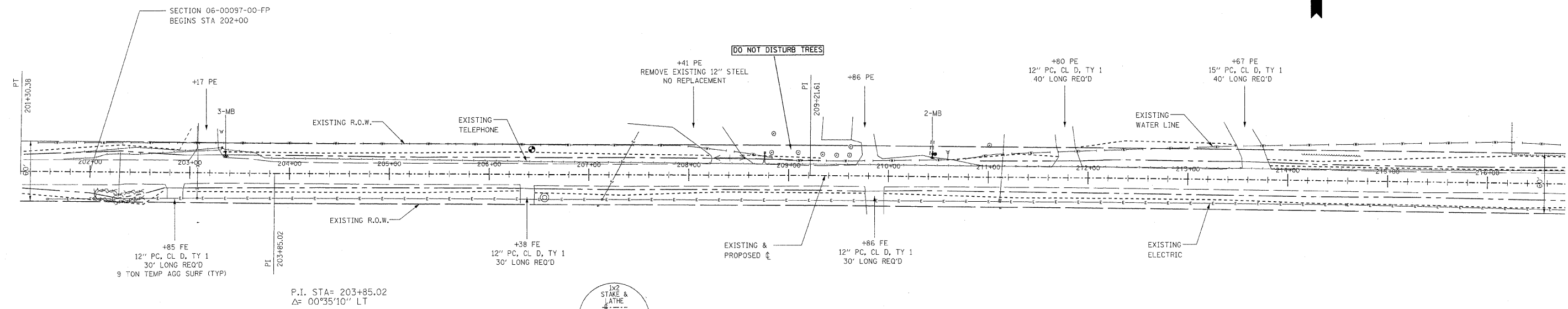
SCALE: VARIES
BY: AMM
DATE: 11/9/08
REV:

6 OF 25 SHEETS

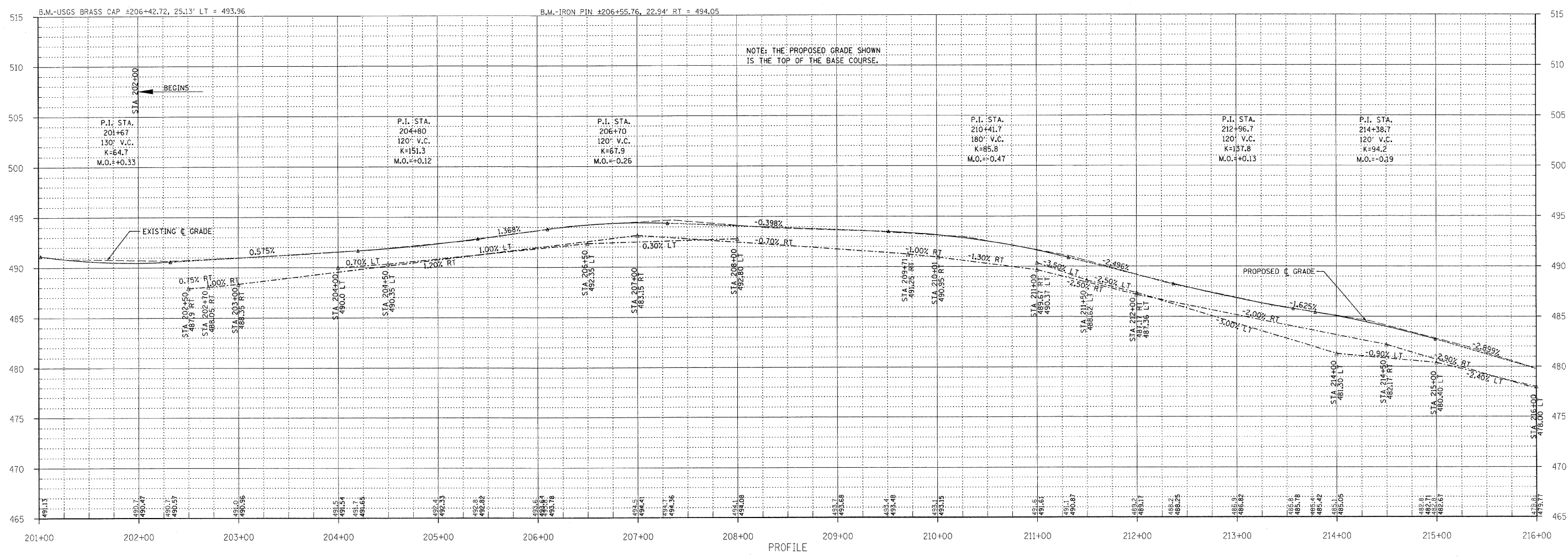
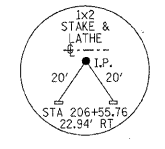
SHEET NO. 6



P.I. STA= 209+21.61
Δ= 00°13'01" RT

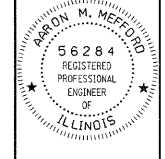


P.I. STA= 203+85.02
Δ= 00°35'10" LT





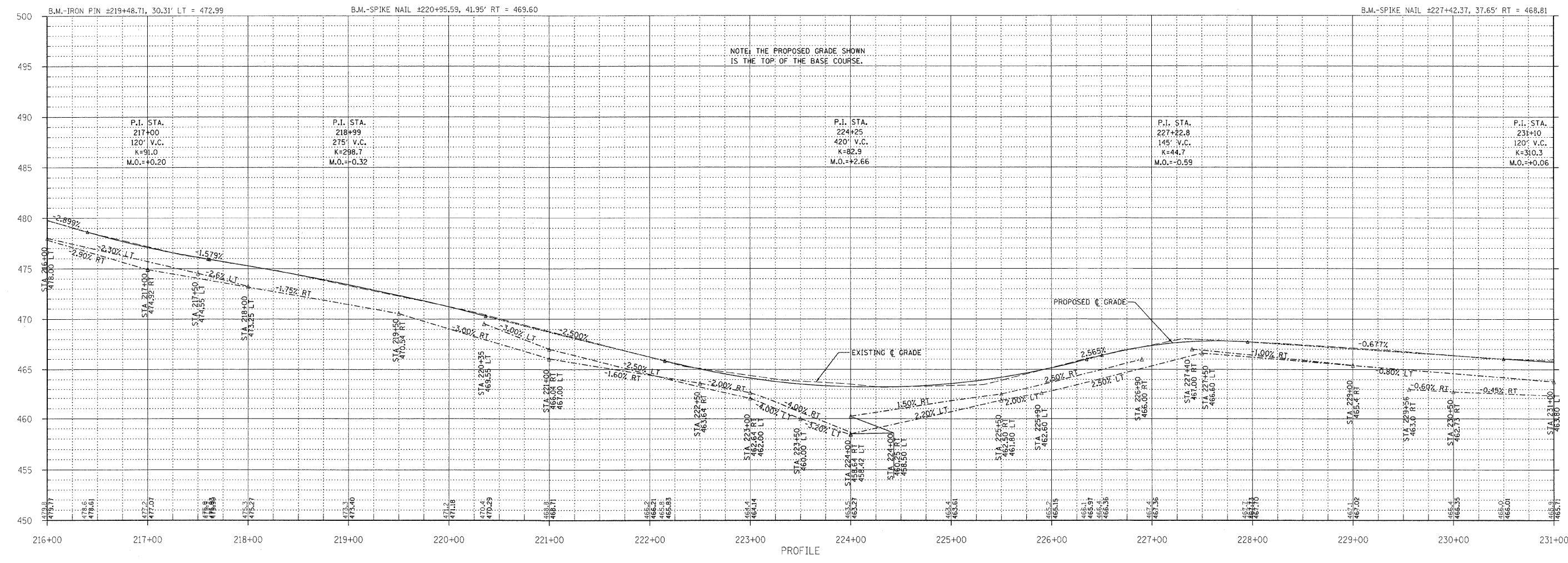
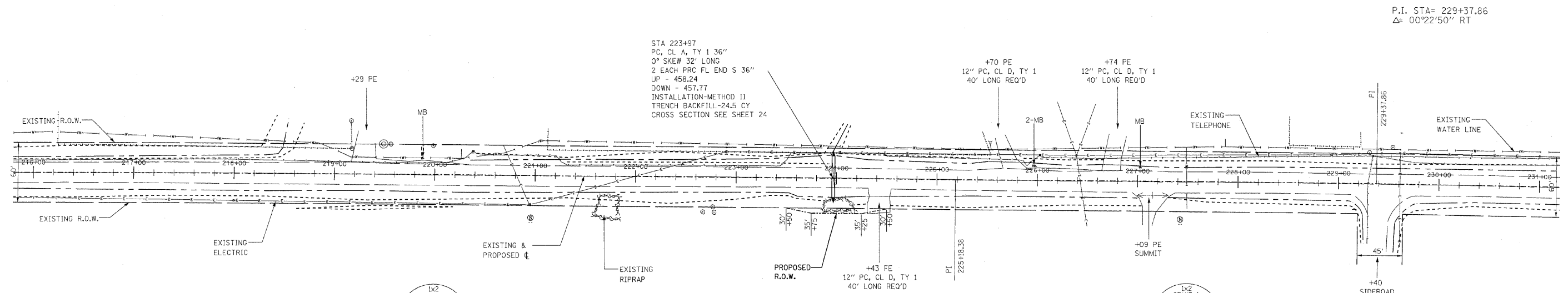
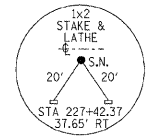
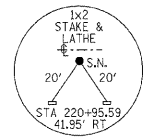
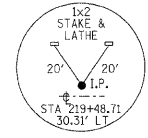
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LAND SURVEY & PROFESSIONAL ENGINEERING CORPORATION
184-000887
(62-032435) (35-002769)



AARON M. MEFFORD
NAME
SIGNATURE
12-17-08
DATE
11-30-09
EXPIRES

F.A.S. 880 (CH 8)
BELLE PRAIRIE ROAD
SECTION 06-00097-00-FP
HAMILTON COUNTY, ILLINOIS

SHEET TITLE:
PLAN & PROFILE
SCALE: VARIES
BY: AMM
DATE: 11/08
REV:
7 OF 25 SHEETS
SHEET NO. 7



NOTE: THE PROPOSED GRADE SHOWN IS THE TOP OF THE BASE COURSE.

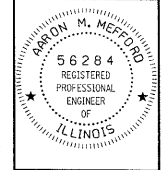
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
880	06-00097-00-FP	HAMILTON	8	8
FED. ROAD DIST. NO. 9 ILLINOIS		BELLE PRAIRIE ROAD		
PROJECT # SR-8801061		CONTRACT # 99339		
LEC JOB # H081003HM				

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PHONE:
(812)-386-7611
FAX:
(812)-385-2812



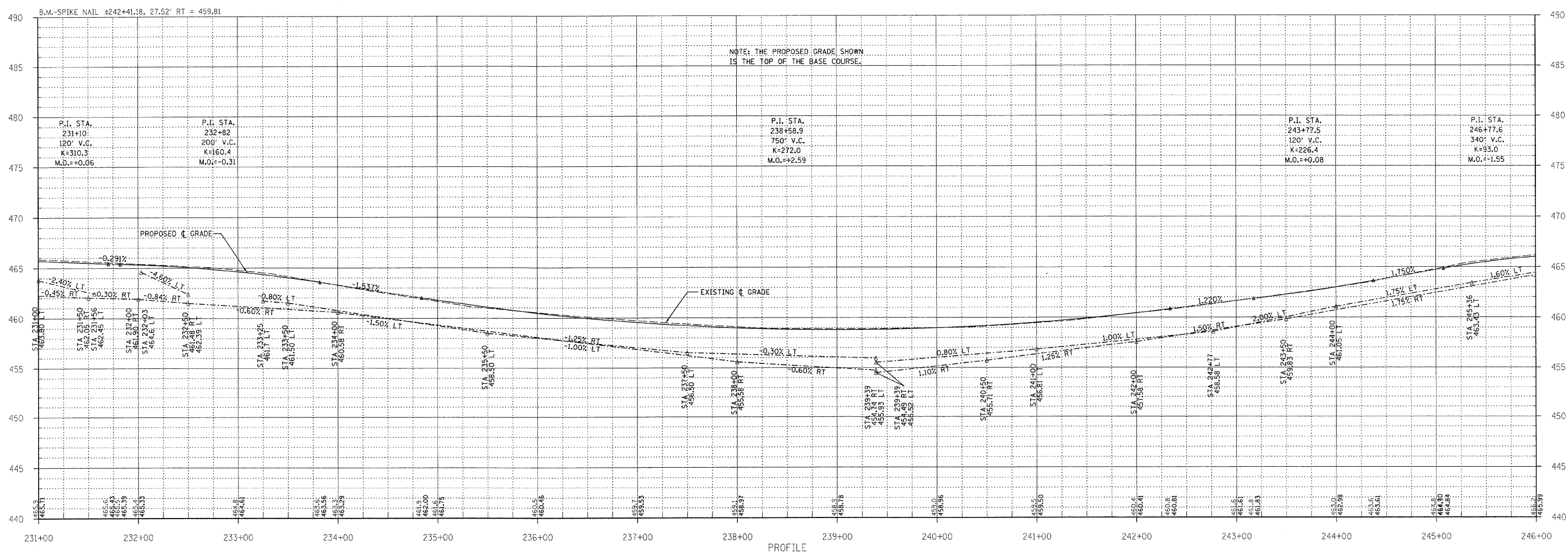
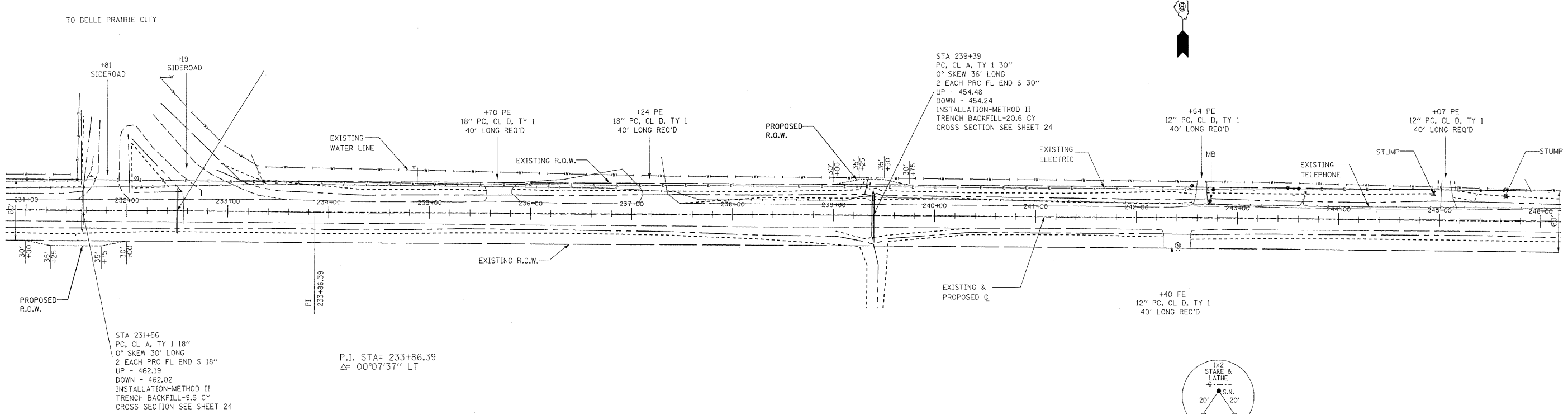
PROFESSIONAL DESIGN FIRM
LAND SURVEY &
PROFESSIONAL ENGINEERING CORPORATION
184-000887
(62-032435)(35-002769)



AARON M. MEFFORD
NAME
[Signature]
SIGNATURE
12-17-08
DATE
11-30-09
EXPIRES

F.A.S. 880 (CH 8)
BELLE PRAIRIE ROAD
SECTION 06-00097-00-FP
HAMILTON COUNTY, ILLINOIS

SHEET TITLE:
PLAN & PROFILE
SCALE: VARRS
BY: AMM
DATE: 11/9/08
REV:
8 OF 25 SHEETS
SHEET NO. 8



F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
880	06-00097-00-FP	HAMILTON	25	10
FED. ROAD DIST. NO. 9 ILLINOIS		BELLE PRAIRIE ROAD		
PROJECT # SR-8801061		CONTRACT # 99339		
LEC JOB # H081003HM				

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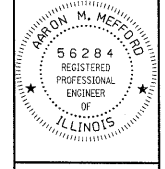
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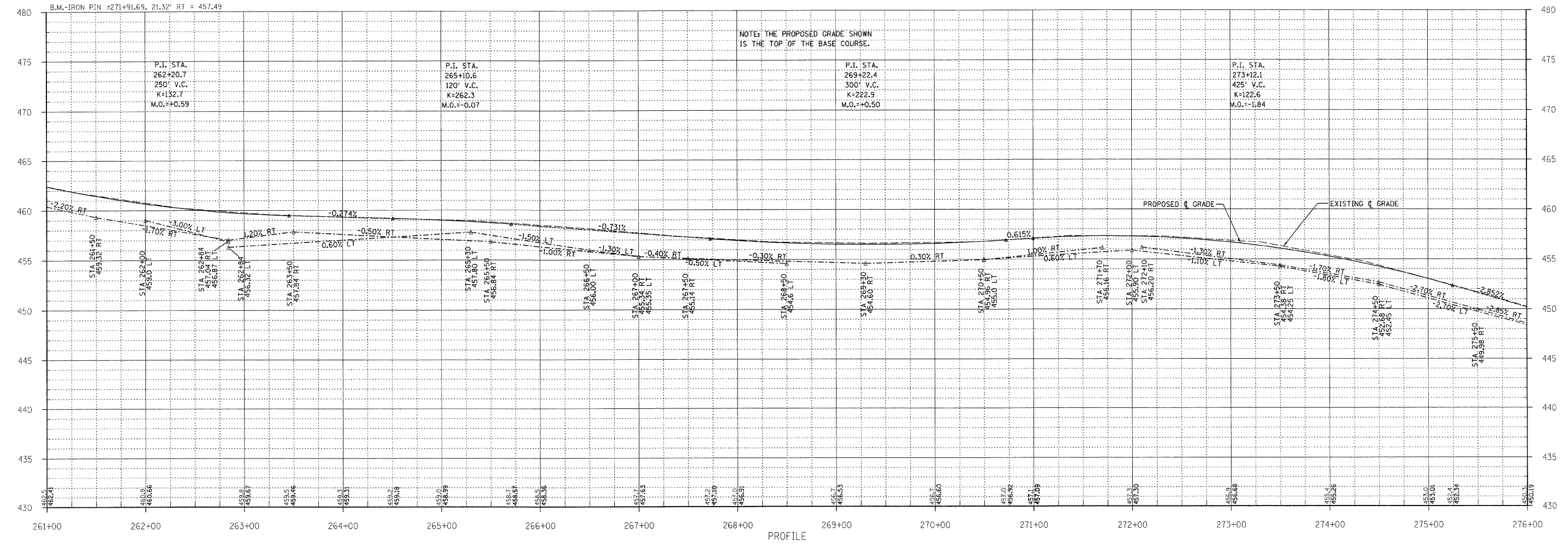
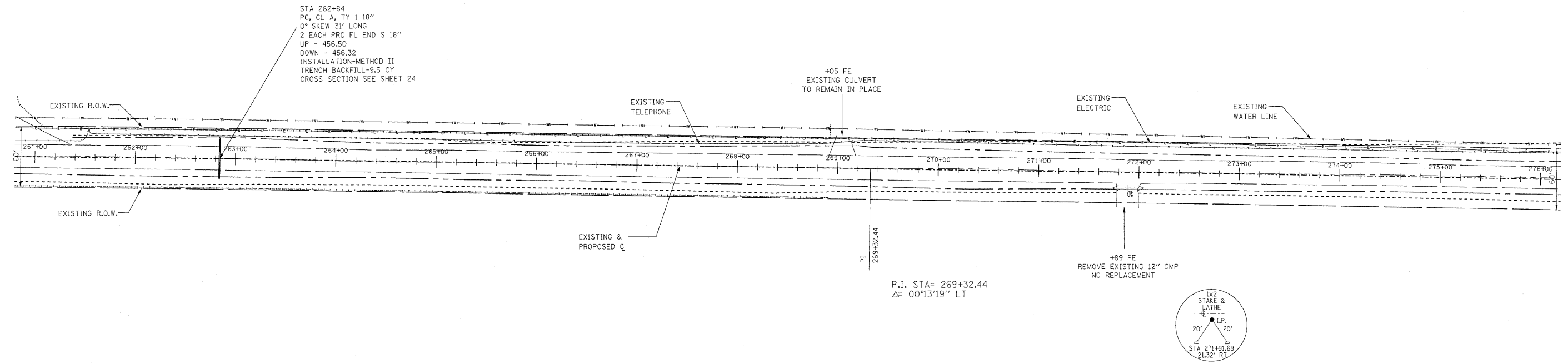
184-000887
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EXPIRES

F.A.S. 880 (CH 8)
BELLE PRAIRIE ROAD
SECTION 06-00097-00-FP
HAMILTON COUNTY, ILLINOIS

SHEET TITLE:	
PLAN & PROFILE	
SCALE:	VARIES
BY:	AMM
DATE:	11/9/08
REV:	
10	OF 25
SHEETS	
SHEET NO.	
10	



NOTE: THE PROPOSED GRADE SHOWN IS THE TOP OF THE BASE COURSE.

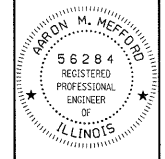
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FED. ROAD DIST. NO. 9 ILLINOIS		BELLE PRAIRIE ROAD		
PROJECT # SR-880006		CONTRACT # 99339		
LEC JOB # H081003HM				

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EXPIRES

F.A.S. 880 (CH 8)
BELLE PRAIRIE ROAD
SECTION 06-00097-00-FP
HAMILTON COUNTY, ILLINOIS

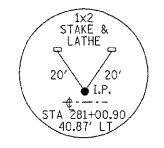
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PLAN & PROFILE

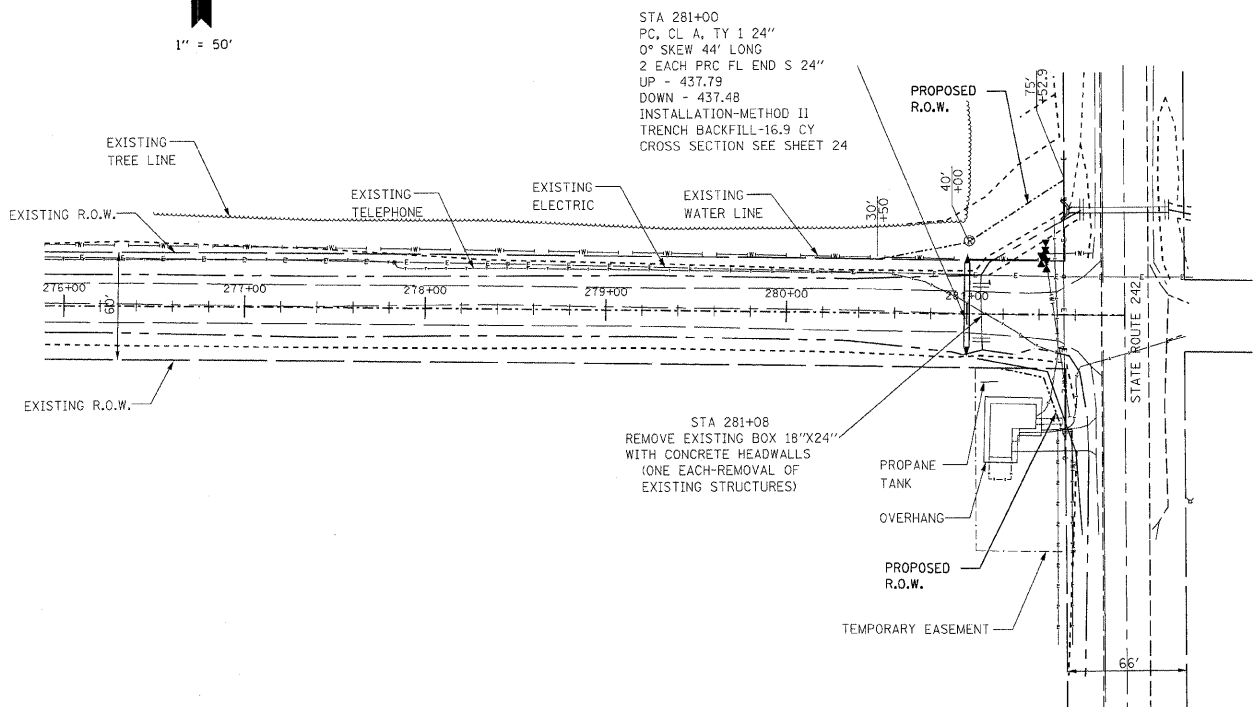
SCALE: VPIES
BY: AMM
DATE: 11/9/08
REV:

11 OF 25
SHEETS

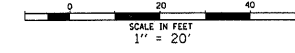
SHEET NO.
11



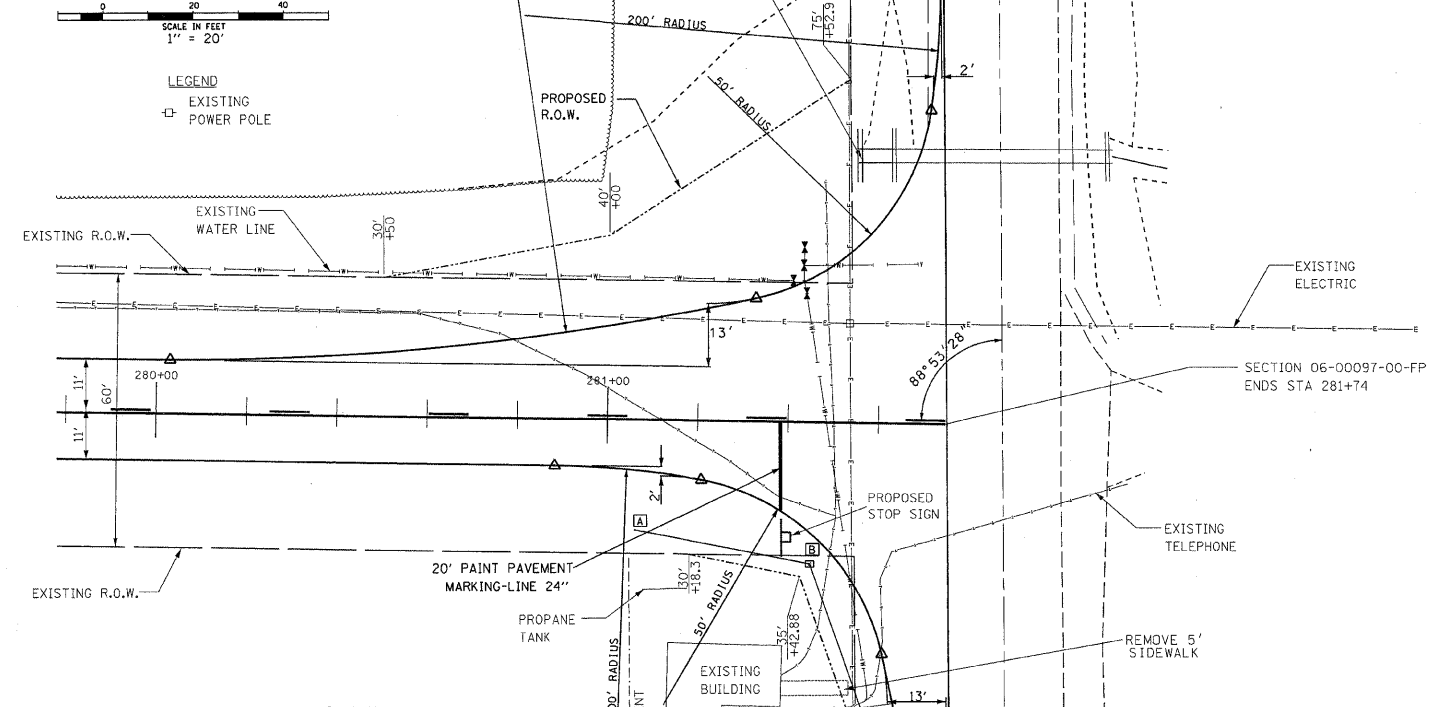
STA 281+00
PC, CL A, TY 1 24"
0° SKEW 44' LONG
2 EACH PRC FL END S 24"
UP - 437.79
DOWN - 437.48
INSTALLATION-METHOD II
TRENCH BACKFILL-16.9 CY
CROSS SECTION SEE SHEET 24



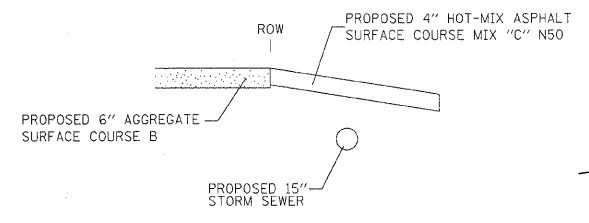
STA 281+08
REMOVE EXISTING BOX 18"x24"
WITH CONCRETE HEADWALLS
(ONE EACH-REMOVAL OF
EXISTING STRUCTURES)



LEGEND
EXISTING
POWER POLE



PROPOSED DRIVE TYPICAL SECTION



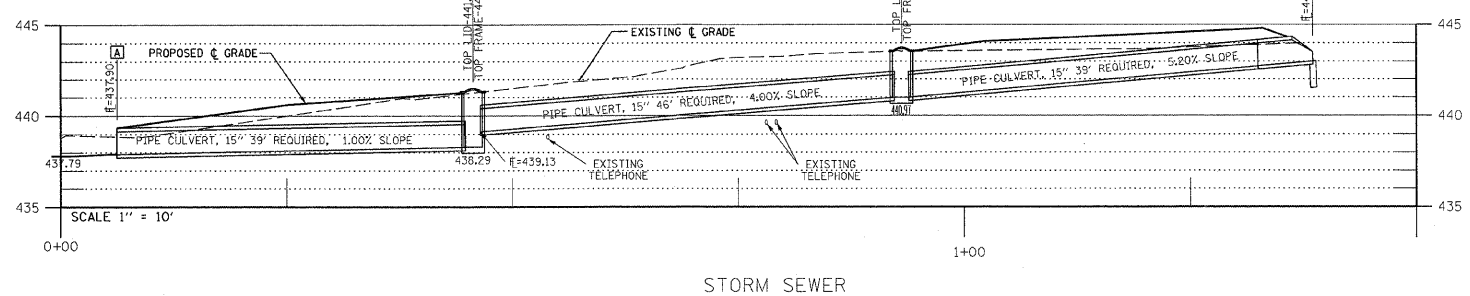
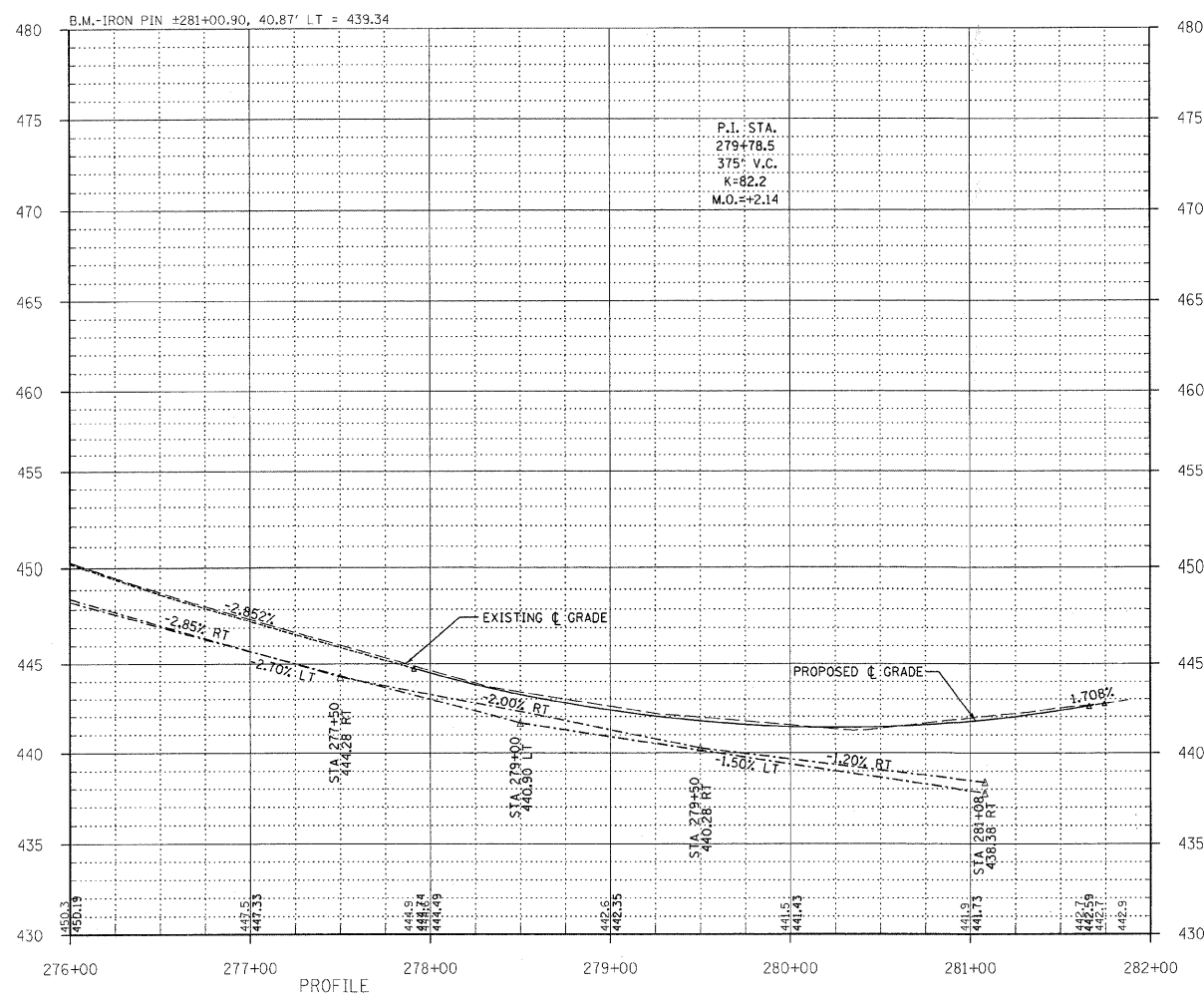
SCHEDULE OF STORM SEWER STRUCTURES

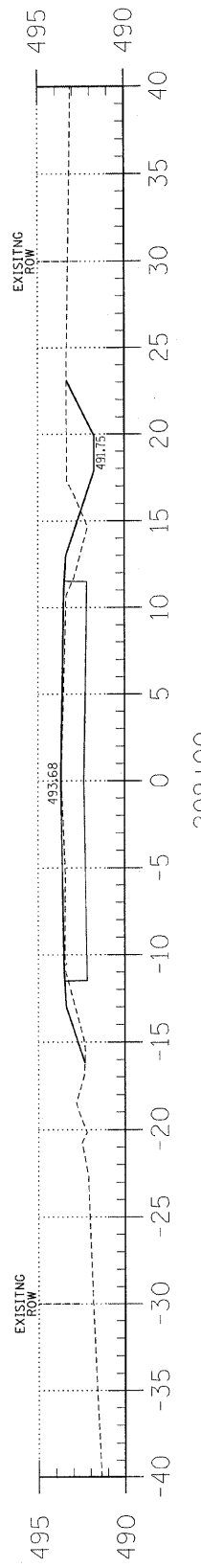
STATION	LOCATION	ITEM
A 281+06.11	24.8' RT	END OF PIPE
B 281+45.09	31.7' RT	TYPE A INLET WITH TYPE B GRATE
C 281+61.40	75.6' RT	TYPE A INLET WITH TYPE B GRATE
D 281+64.46	120.9' RT	PRECAST FLARED END SECTION 15"

SCHEDULE OF STORM SEWER

LOCATION	PROPOSED PIPE	PROPOSED LENGTH
A TO B	15" CL B	39
B TO C	15" CL B	46
C TO D	15" CL A	39

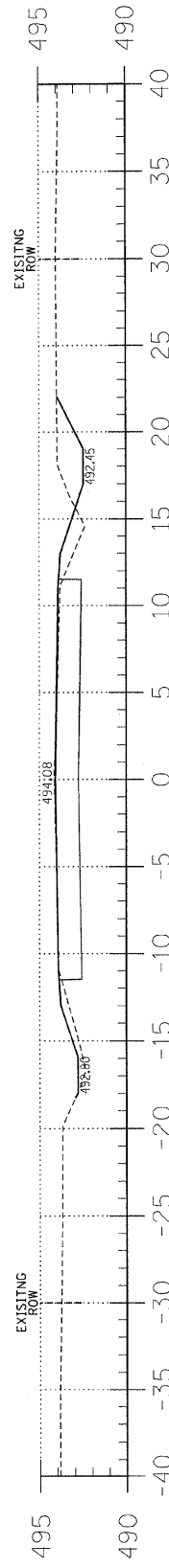
PROPOSED DRIVE
A PROPOSED HOT-MIX ASPHALT APRON SHALL BE PROVIDE TO THE ROW.
13 TONS OF HOT-MIX ASPHALT SHALL BE USED IN THE PROPOSED DRIVE.
PROPOSED DRIVE SHALL BE 6" THICK AGGREGATE SURFACE COURSE B.
54 TONS OF AGGREGATE SURFACE COURSE B SHALL BE USED IN THE PROPOSED DRIVE.
THE PARKING AREA SHALL BE GRADED AS PER THE ENGINEER'S APPROVAL.





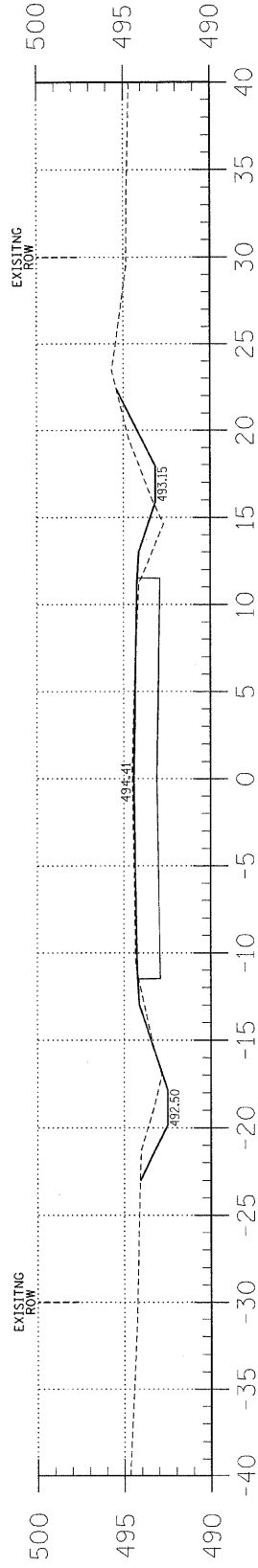
Area Cut : 7.7
Area Fill : 6.7

209+00



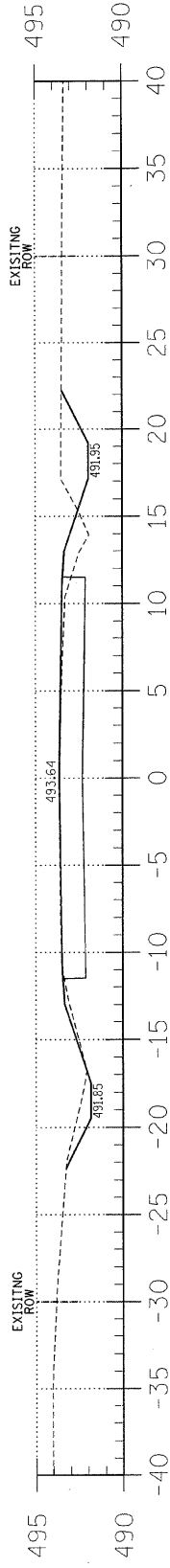
Area Cut : 6.1
Area Fill : 5.4

208+00



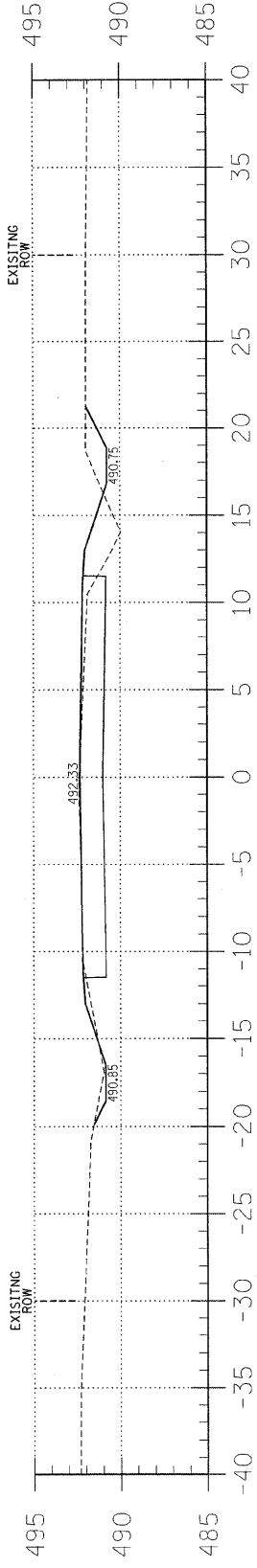
Area Cut : 7.3
Area Fill : 3.6

207+00



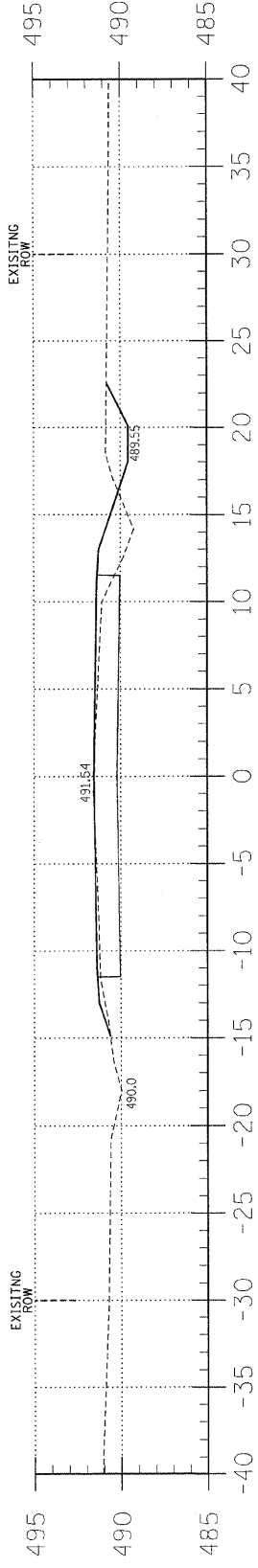
Area Cut : 9.4
Area Fill : 4.8

206+00



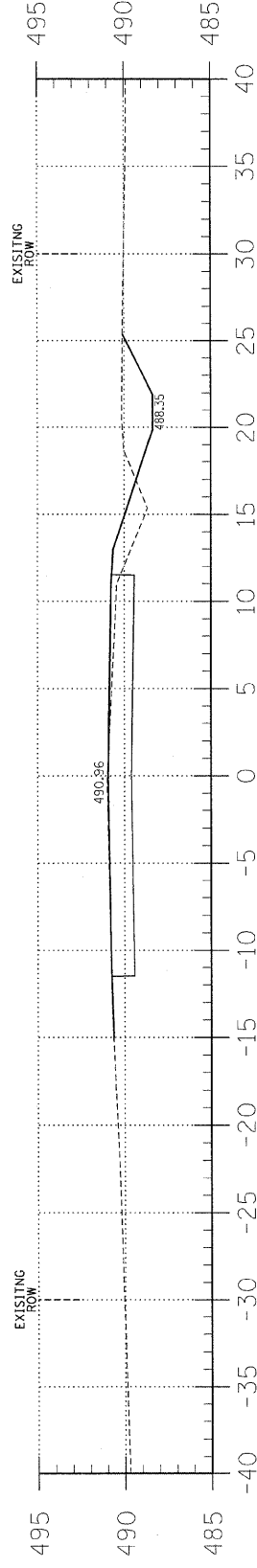
Area Cut : 4.3
Area Fill : 8.3

205+00



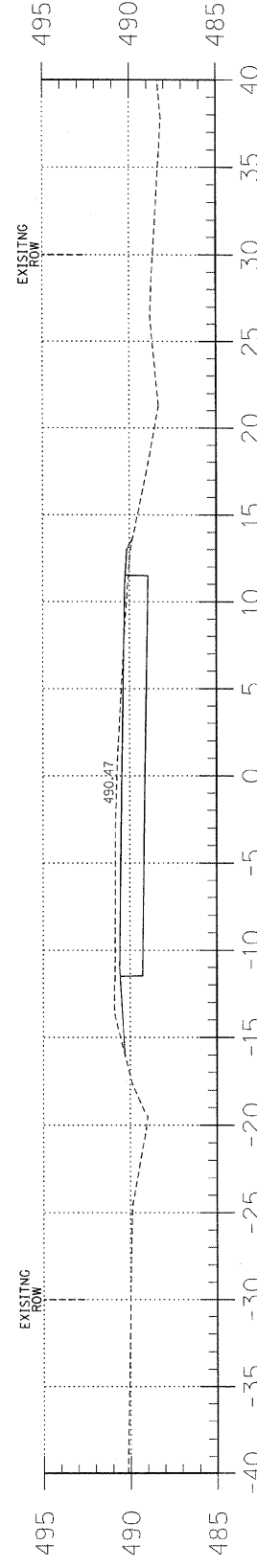
Area Cut : 5.2
Area Fill : 9.7

204+00



Area Cut : 9.9
Area Fill : 6.7

203+00



Area Cut : 6.0
Area Fill : 0.7

202+00

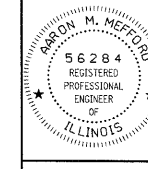
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
880	06-00097-00-FP	HAMILTON	25	12
FED. ROAD DIST. NO. 9 ILLINOIS		BELLE PRAIRIE ROAD		
PROJECT # SR-880(106)		CONTRACT # 99339		
LEC JOB # H08L003HM				

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184-000887
(62-032435)(35-002789)



AARON M. MEFFORD
NAME
Aaron M. Mefford
SIGNATURE
12-17-08
DATE
11-30-09
EXPIRES

F.A.S. 880 (CH 8)
BELLE PRAIRIE ROAD
SECTION 06-00097-00-FP
HAMILTON COUNTY, ILLINOIS

SHEET TITLE:

CROSS-SECTIONS

SCALE:	1" = 5'
BY:	AMM
DATE:	11/9/08
REV:	

12	OF	25
SHEETS		

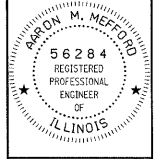
SHEET NO.
12

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
880	06-00097-00-FP	HAMILTON	25	13
PROJECT# SR-880(106)		CONTRACT# 99339		

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EXPIRES

F.A.S. 880 (CH 8)
BELLE PRAIRIE ROAD
SECTION 06-00097-00-FP
HAMILTON COUNTY, ILLINOIS

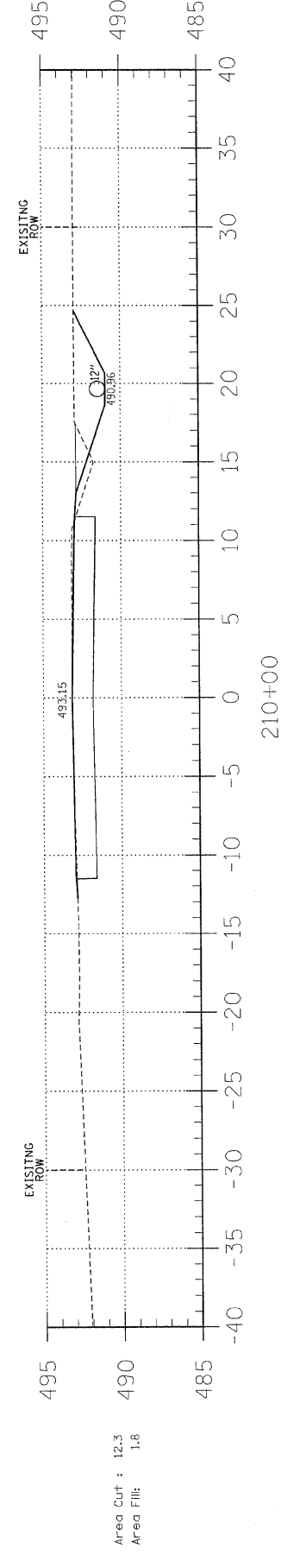
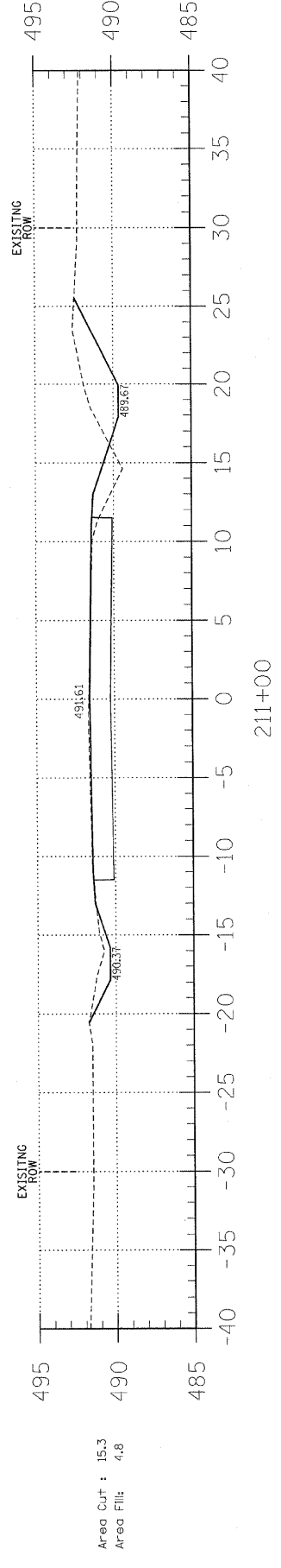
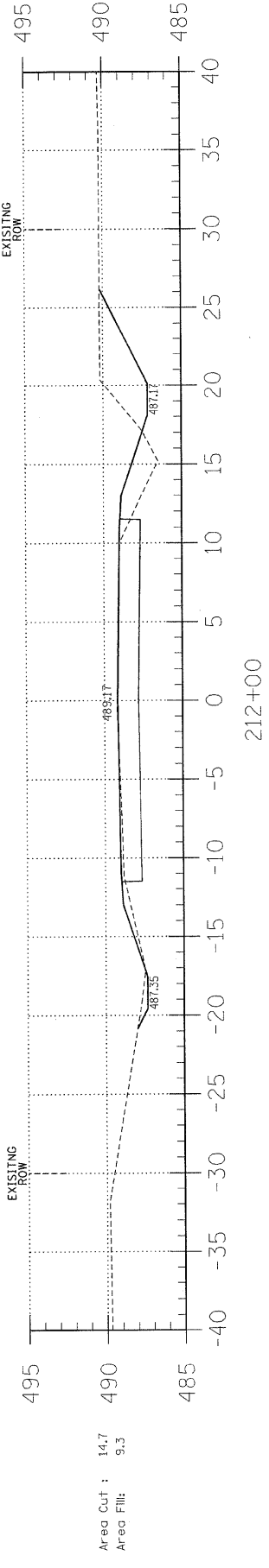
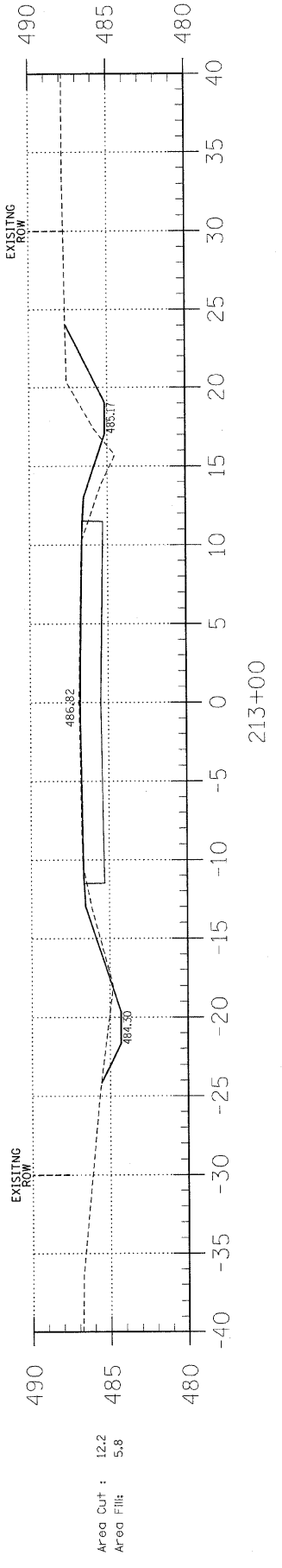
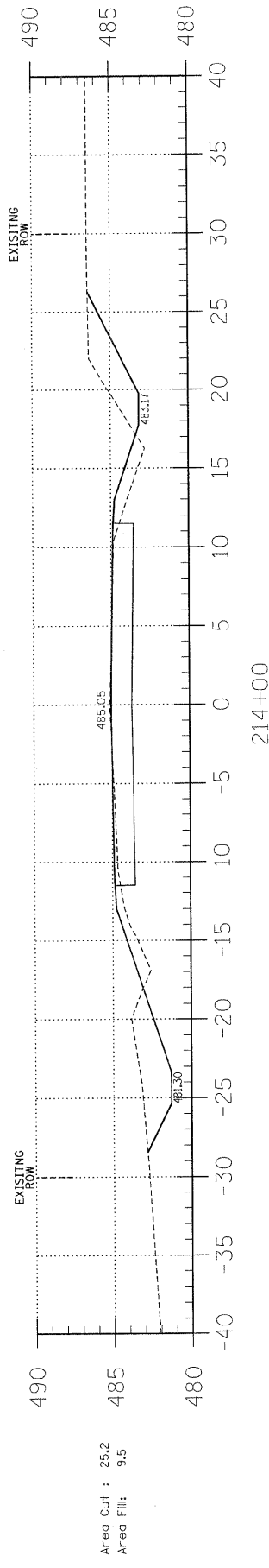
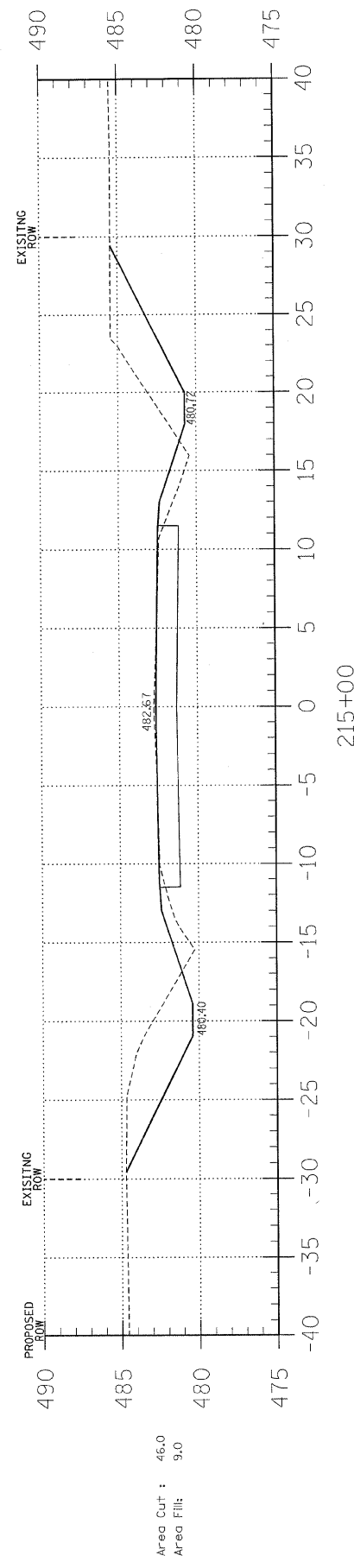
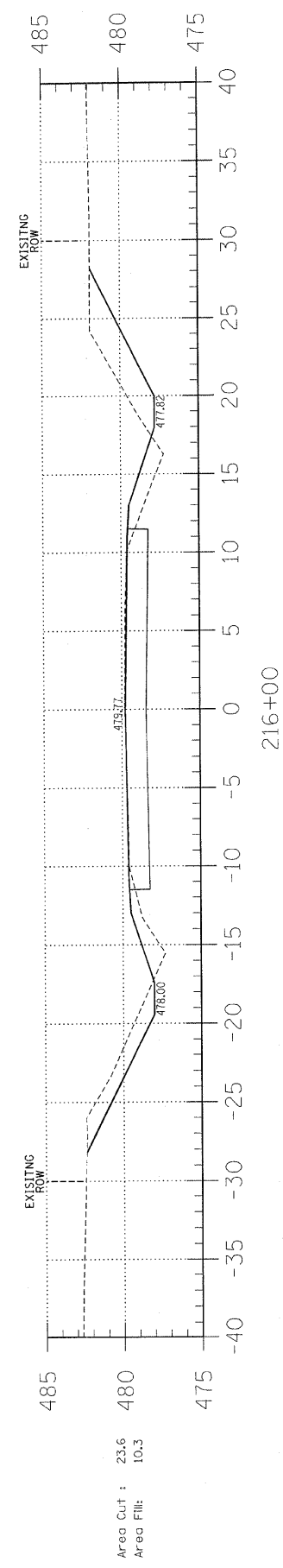
SHEET TITLE:

CROSS-SECTIONS

SCALE: 1" = 5'
BY: AMM
DATE: 11/9/08
REV:

13 OF 25 SHEETS

SHEET NO. 13



F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
880	06-00097-00-FP	HAMILTON	25	14
FED. ROAD DIST. NO. 9 ILLINOIS		BELLE PRAIRIE ROAD		
PROJECT# SR-880(106)		CONTRACT# 99339		
LEC JOB # H081003HM				

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12-17-05
DATE
11-30-09
EXPIRES

F.A.S. 880 (CH 8)
BELLE PRAIRIE ROAD
SECTION 06-00097-00-FP
HAMILTON COUNTY, ILLINOIS

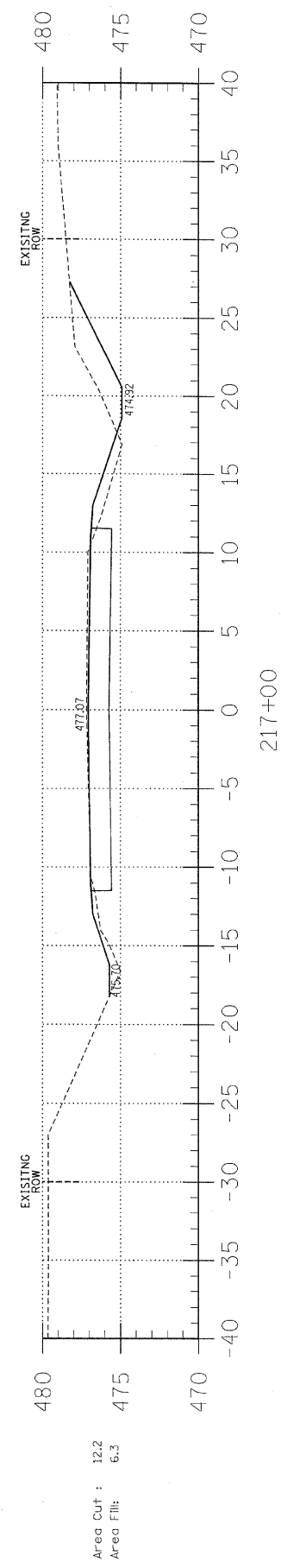
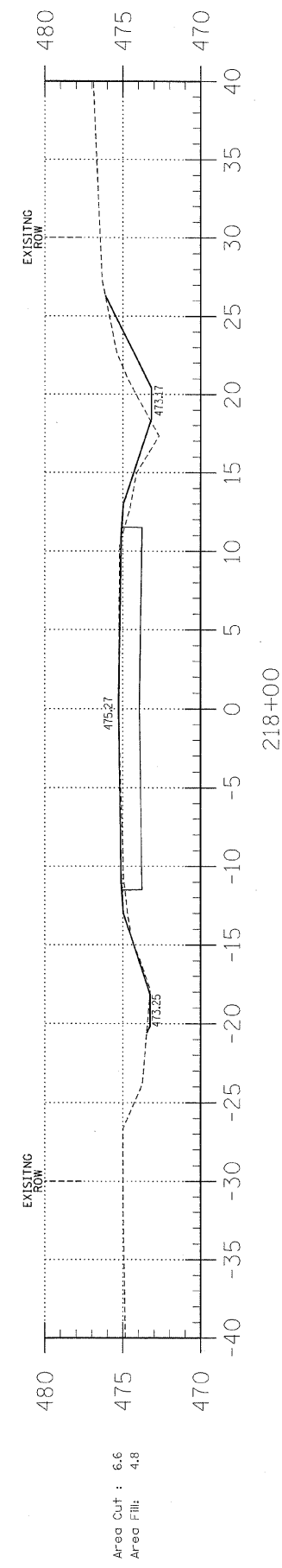
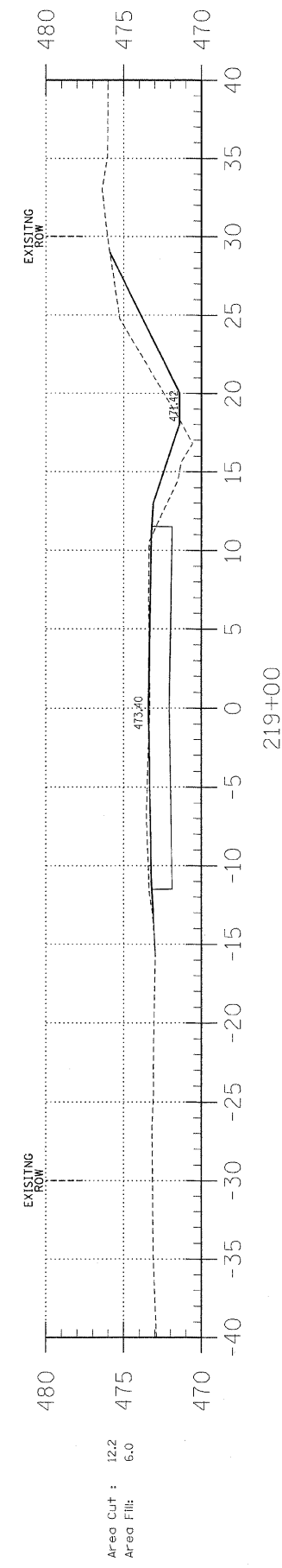
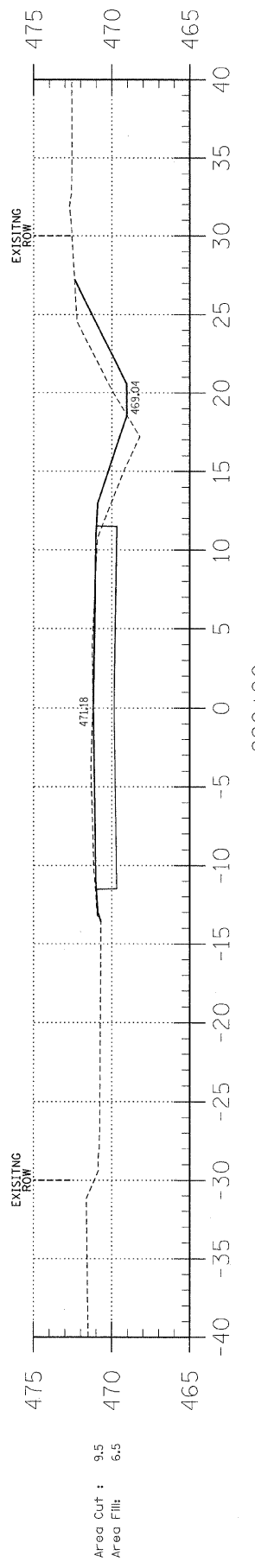
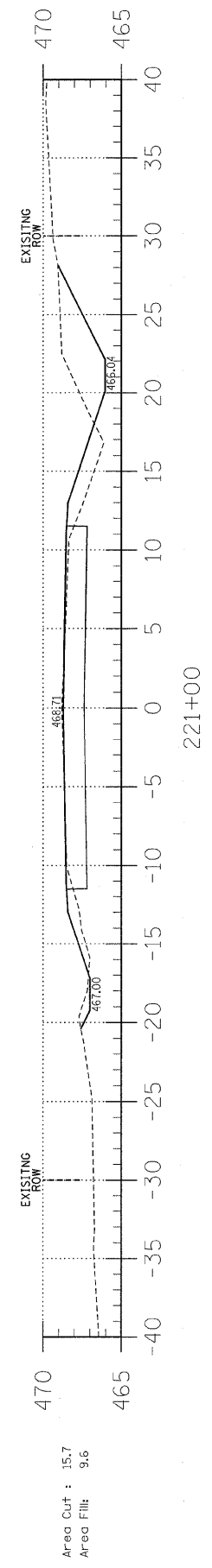
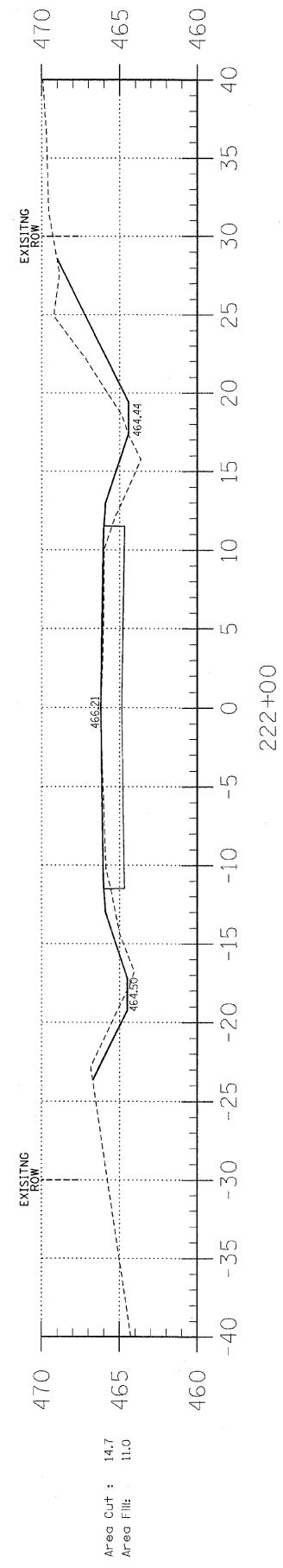
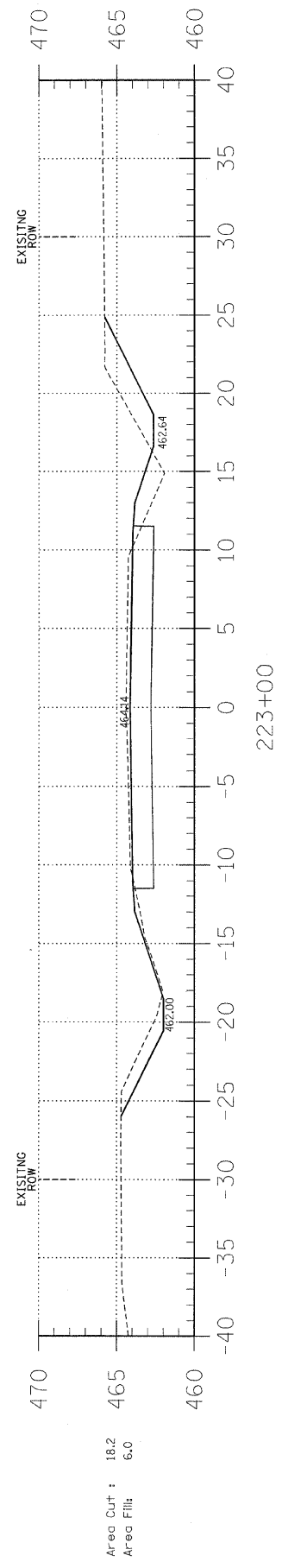
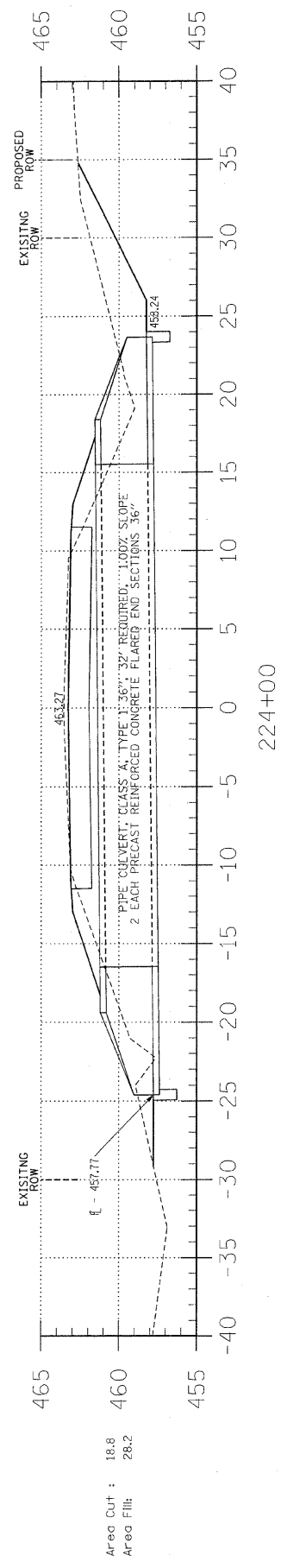
SHEET TITLE:

CROSS-SECTIONS

SCALE: 1" = 5'
BY: AMM
DATE: 11/08
REV:

14 OF 25 SHEETS

SHEET NO. 14



F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
880	06-00097-00-FP	HAMILTON	25	15
FED. ROAD DIST. NO. 9 ILLINOIS		BELLE PRAIRIE ROAD		
PROJECT* SR-880(106)		CONTRACT* 99339		
LEC JOB # H081003M				

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AARON M. MEFFORD
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DATE
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EXPIRES

F.A.S. 880 (CH 8)
BELLE PRAIRIE ROAD
SECTION 06-00097-00-FP
HAMILTON COUNTY, ILLINOIS

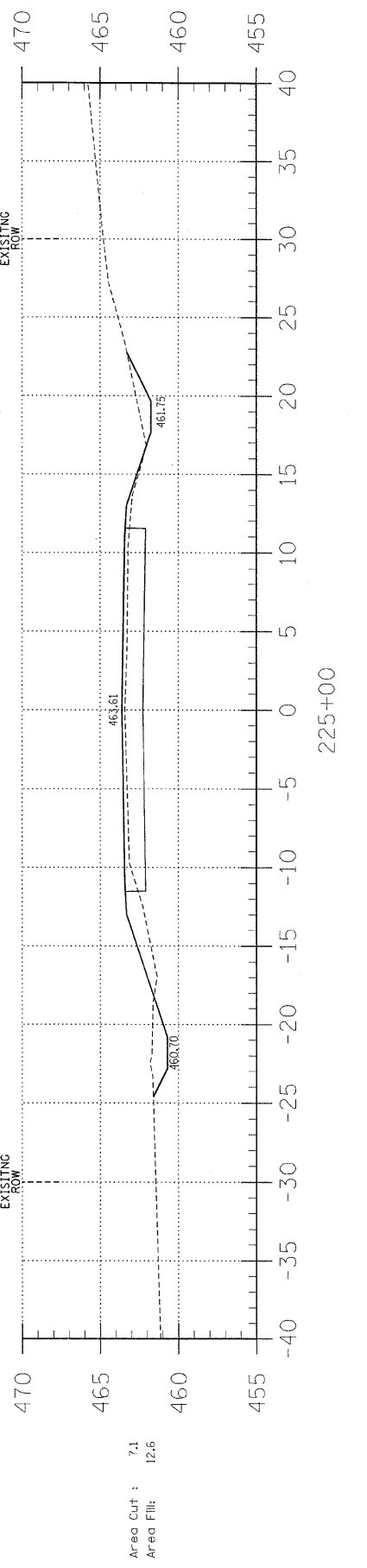
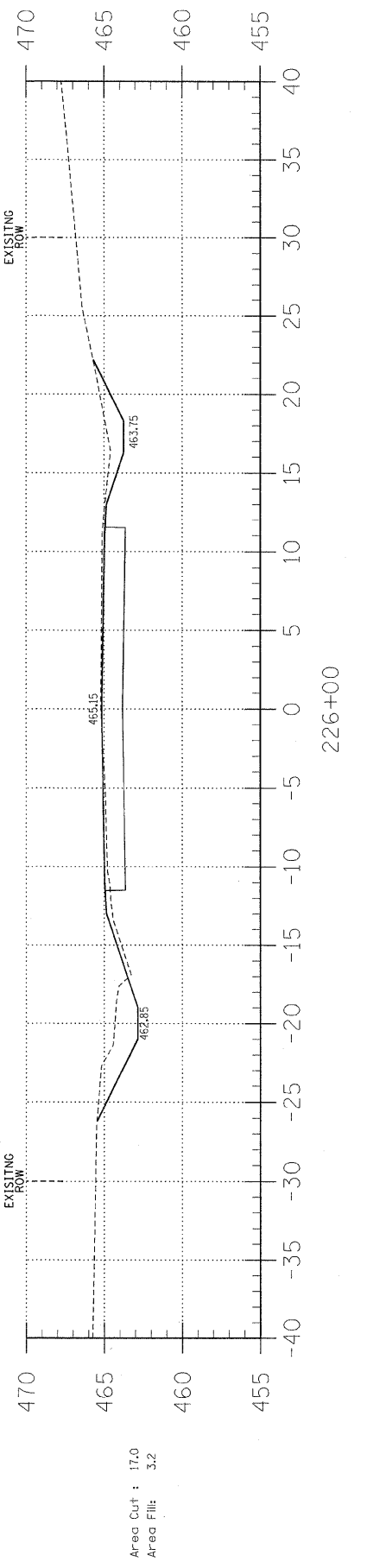
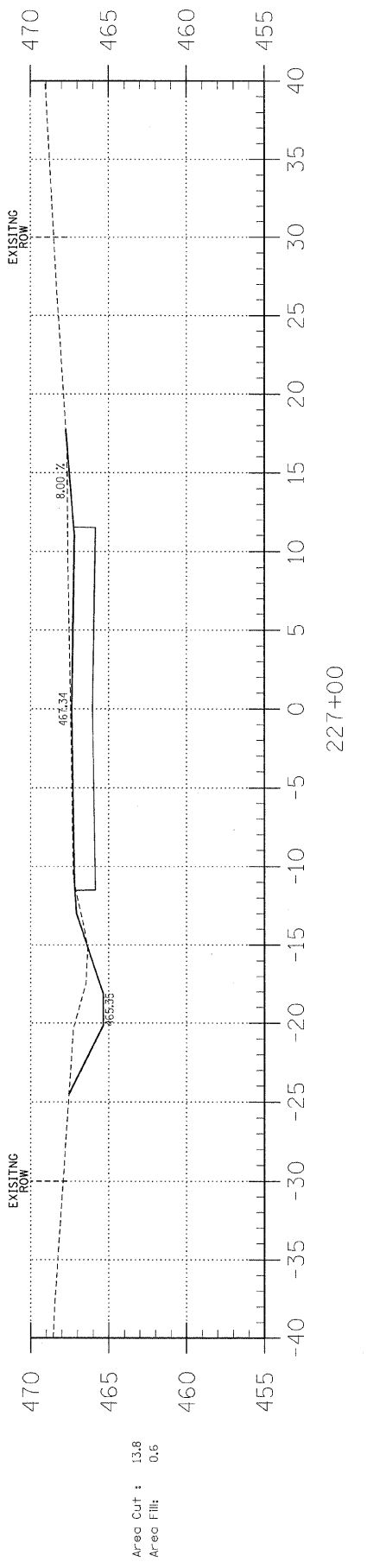
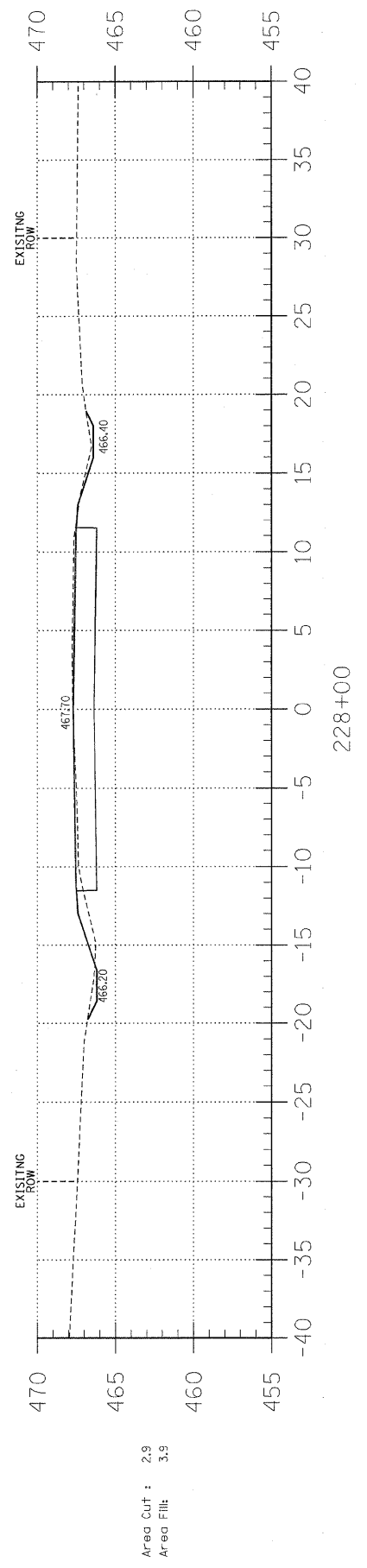
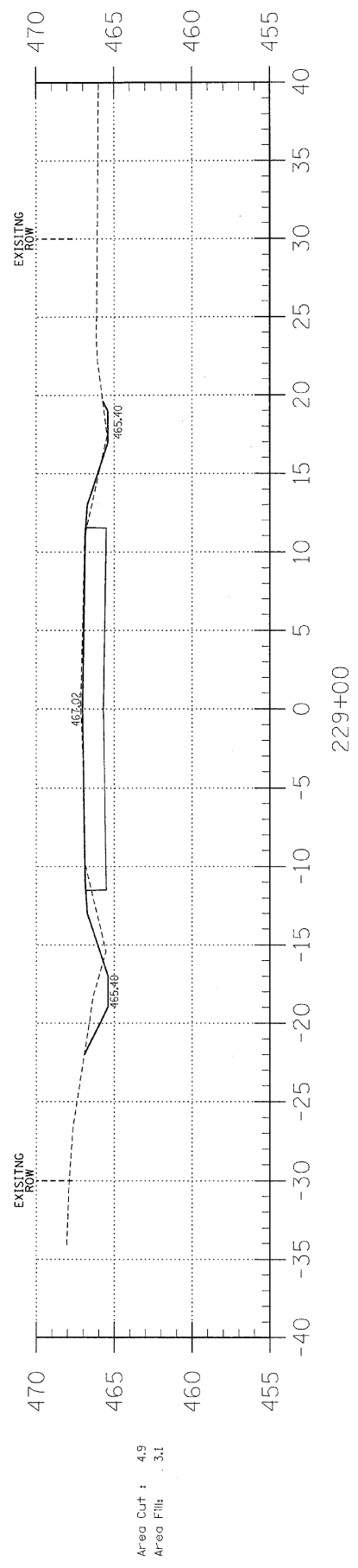
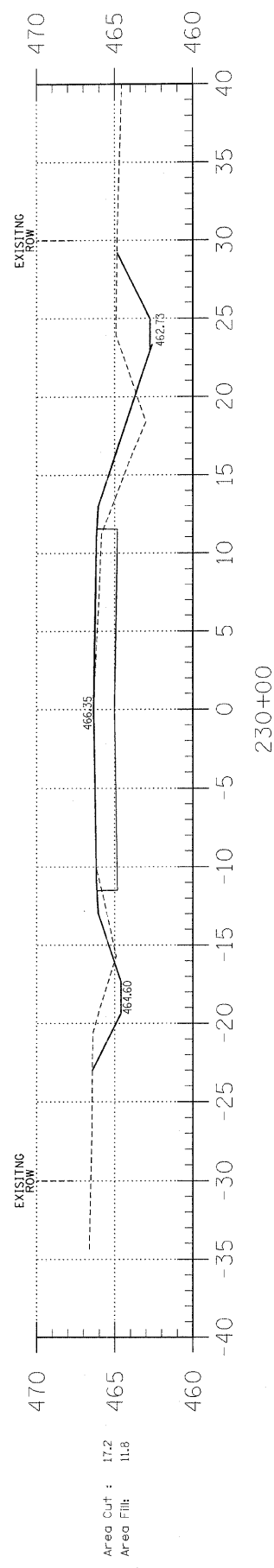
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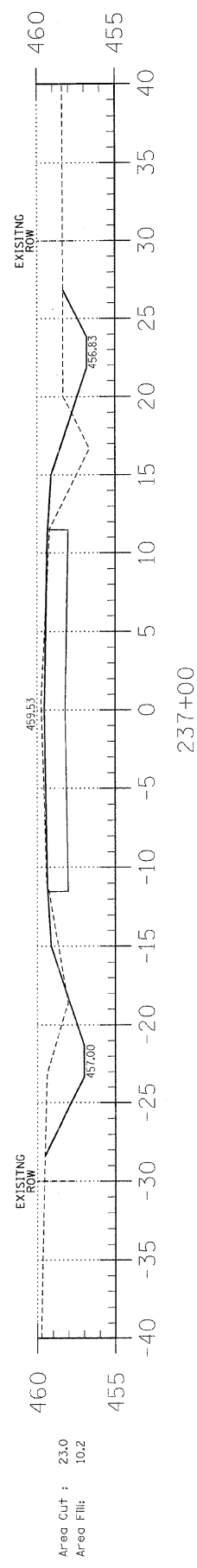
CROSS-SECTIONS

SCALE: 1" = 5'
BY: AMM
DATE: 11/8/08
REV:

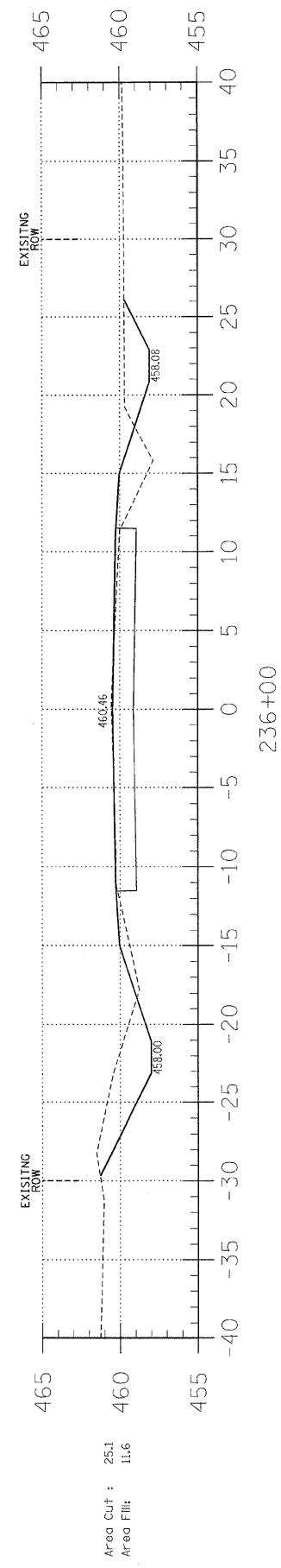
15 OF 25
SHEETS

SHEET NO.
15

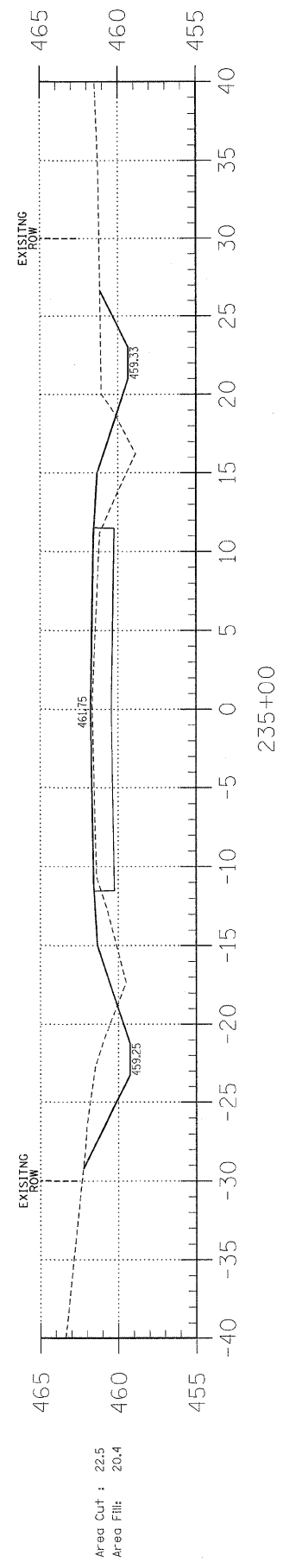




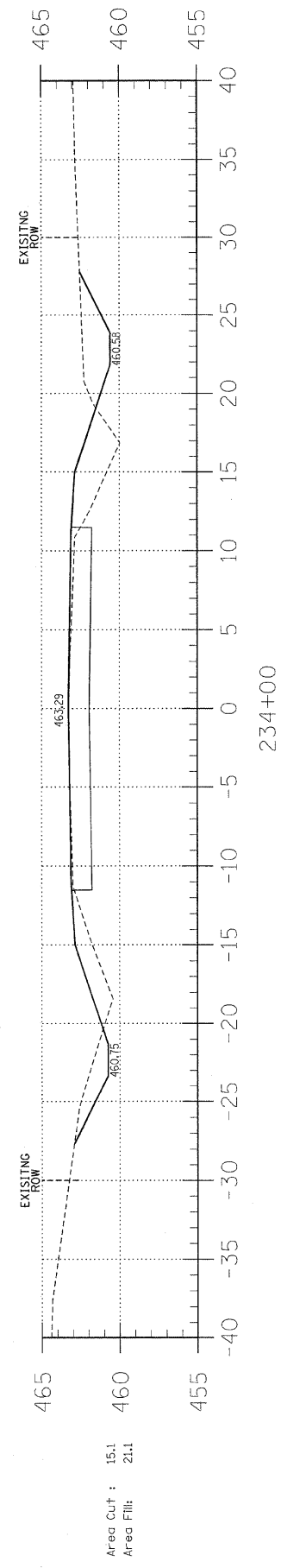
237+00



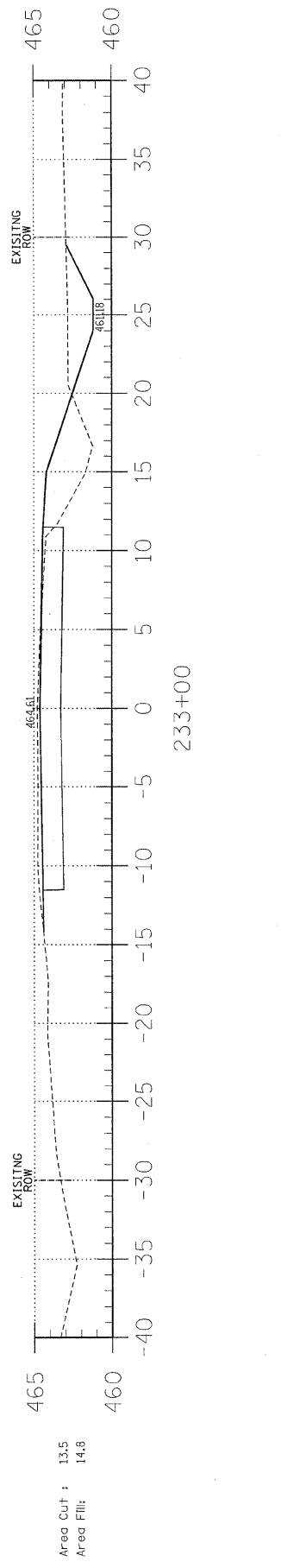
236+00



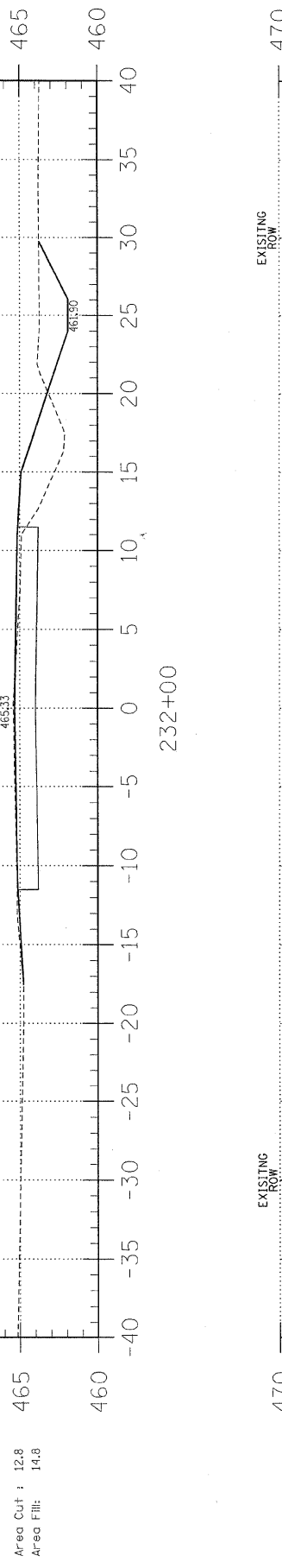
235+00



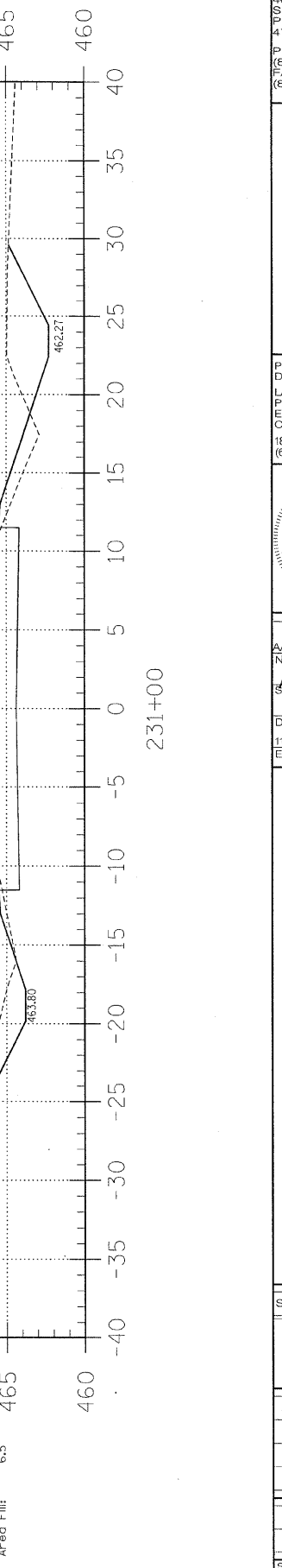
234+00



233+00



232+00



231+00

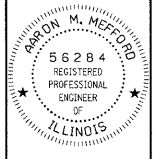
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
880	06-00097-00-FP	HAMILTON	25	16
PROJECT# SR-880(106)		CONTRACT# 99339		
LEC JOB # H081003M				

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(62-032435)(35-002769)



AARON M. MEFFORD
NAME
Aaron M. Mefford
SIGNATURE
DATE
11-30-09
EXPIRES

F.A.S. 880 (CH 8)
BELLE PRAIRIE ROAD
SECTION 06-00097-00-FP
HAMILTON COUNTY, ILLINOIS

SHEET TITLE:

CROSS-SECTIONS

SCALE: 1" = 5'
BY: AMM
DATE: 11/9/08
REV:

16 OF 25
SHEETS

SHEET NO.
16

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
880	06-00097-00-FP	HAMILTON	25	17
FED. ROAD DIST. NO. 9		ILLINOIS	BELLE PRAIRIE ROAD	
PROJECT# SR-880(106)		CONTRACT# 99339		
LEC JOB # H081003RM				

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EXPIRES

F.A.S. 880 (CH 8)
BELLE PRAIRIE ROAD
SECTION 06-00097-00-FP
HAMILTON COUNTY, ILLINOIS

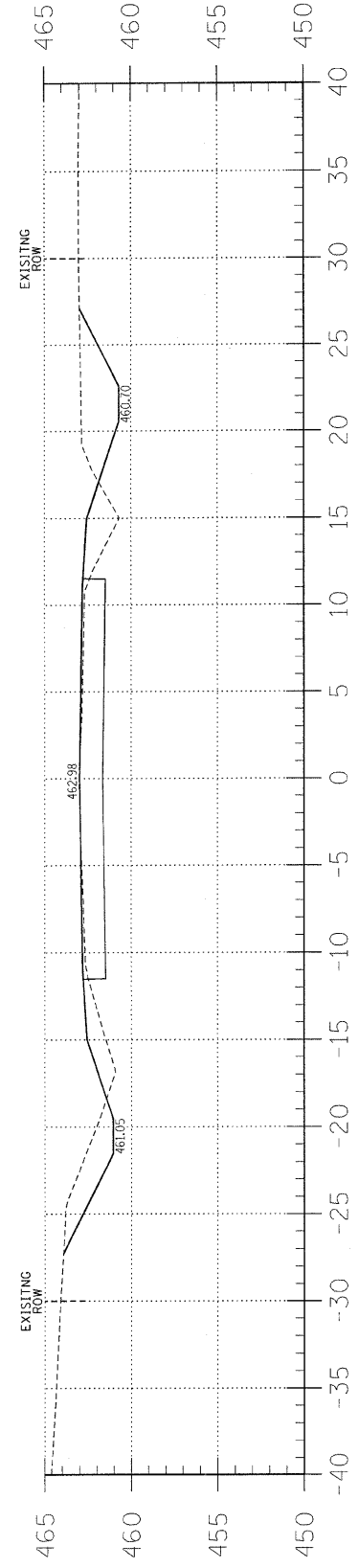
SHEET TITLE:

CROSS-SECTIONS

SCALE: 1" = 5'
BY: AMM
DATE: 11/9/08
REV:

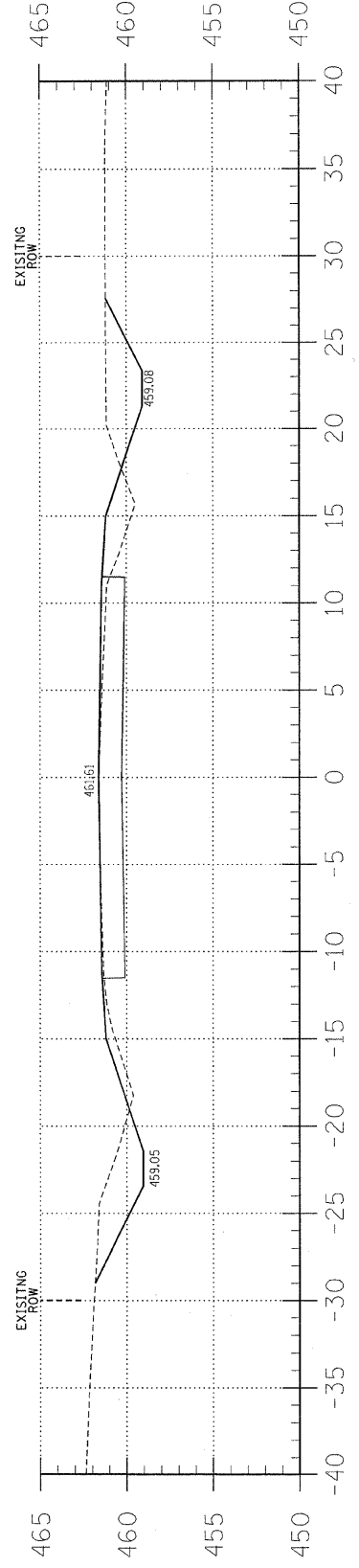
17 OF 25 SHEETS

SHEET NO. 17



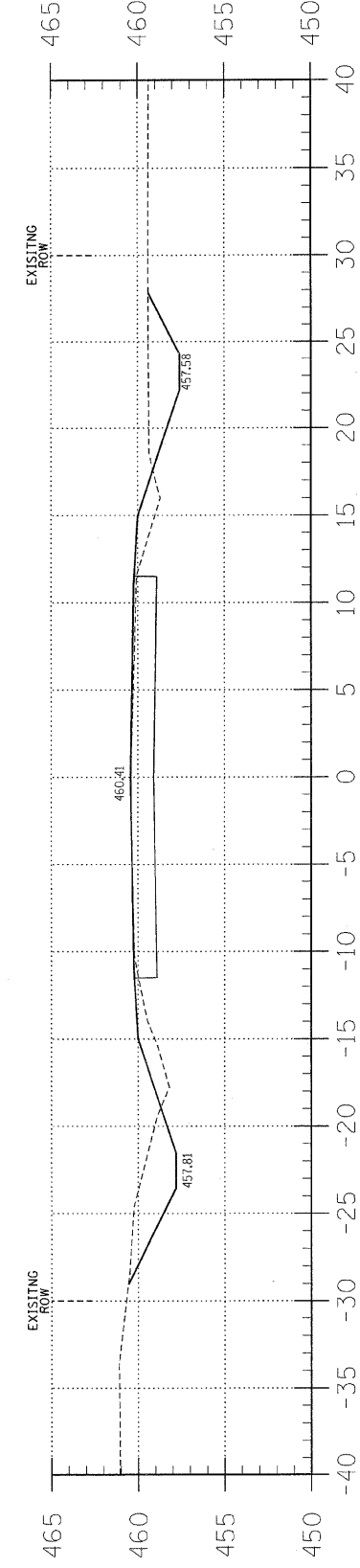
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Area Fill: 13.2

244+00



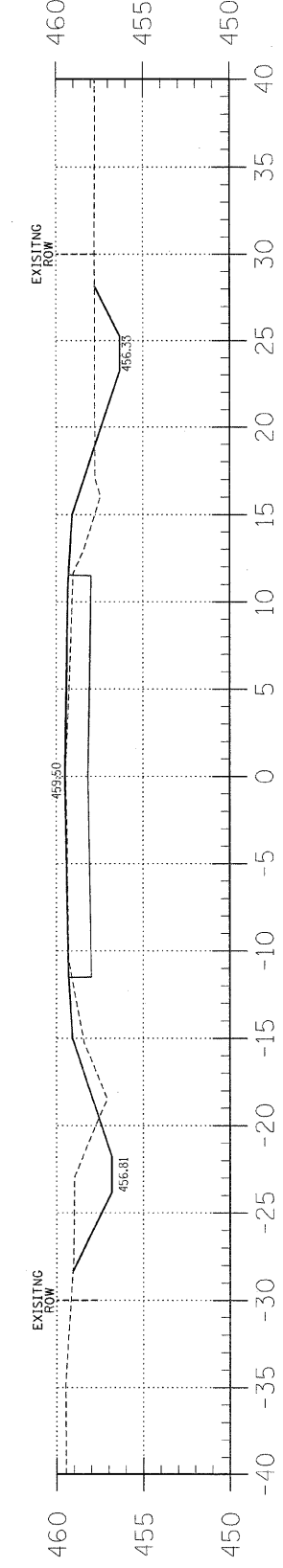
Area Cut : 25.1
Area Fill: 10.8

243+00



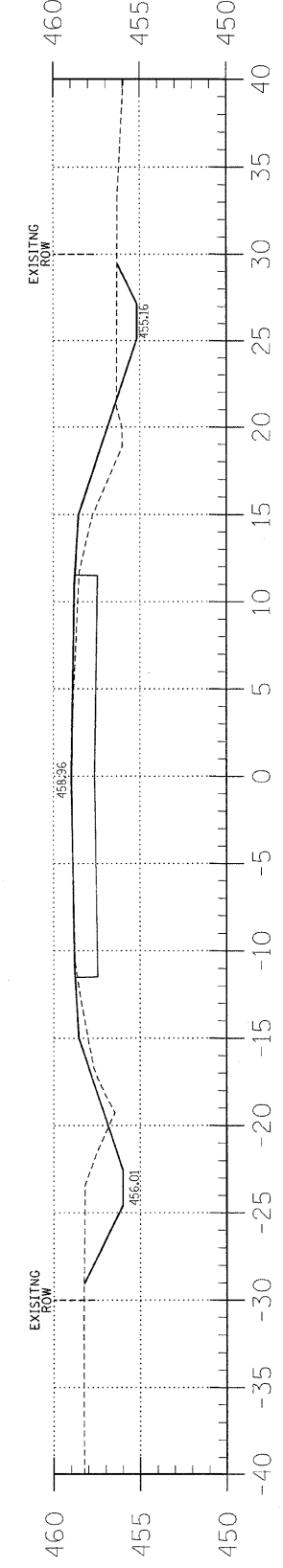
Area Cut : 23.7
Area Fill: 10.0

242+00



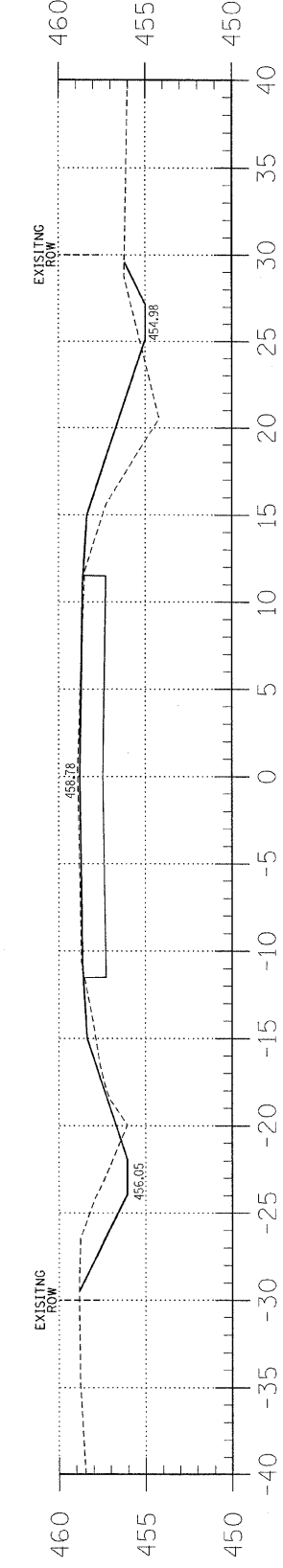
Area Cut : 18.9
Area Fill: 12.8

241+00



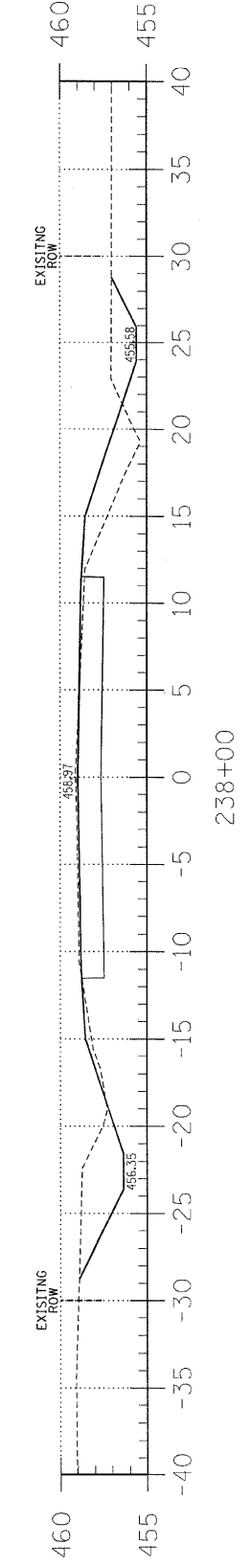
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240+00



Area Cut : 13.1
Area Fill: 17.8

239+00



Area Cut : 21.8
Area Fill: 12.8

238+00

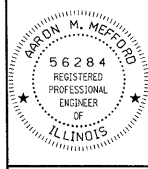
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
880	06-00097-00-FP	HAMILTON	25	18
FED. ROAD DIST. NO. 9 ILLINOIS		BELLE PRAIRIE ROAD		
PROJECT# SR-880(106)		CONTRACT# 99339		
LEC JOB # H081003HM				

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F.A.S. 880 (CH 8)
BELLE PRAIRIE ROAD
SECTION 06-00097-00-FP
HAMILTON COUNTY, ILLINOIS

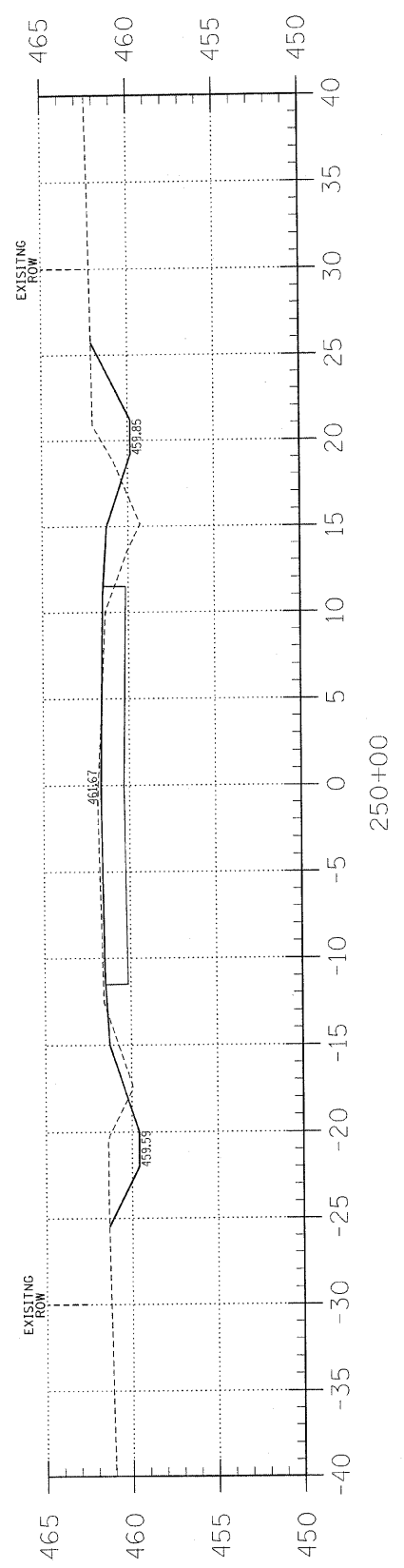
SHEET TITLE:

CROSS-SECTIONS

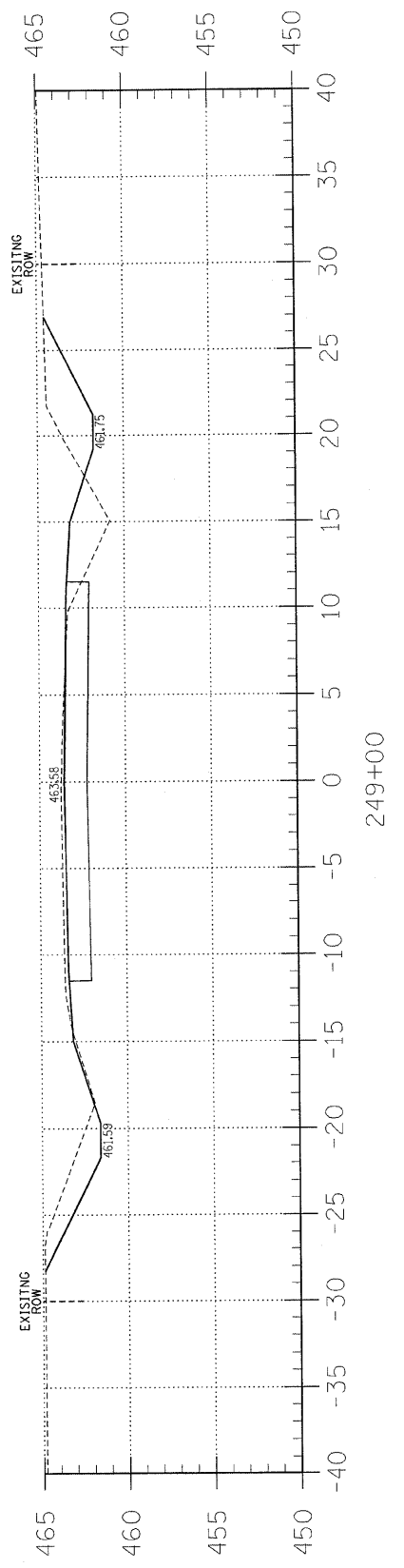
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BY:	AMM
DATE:	11/9/08
REV:	

18 OF 25
SHEETS

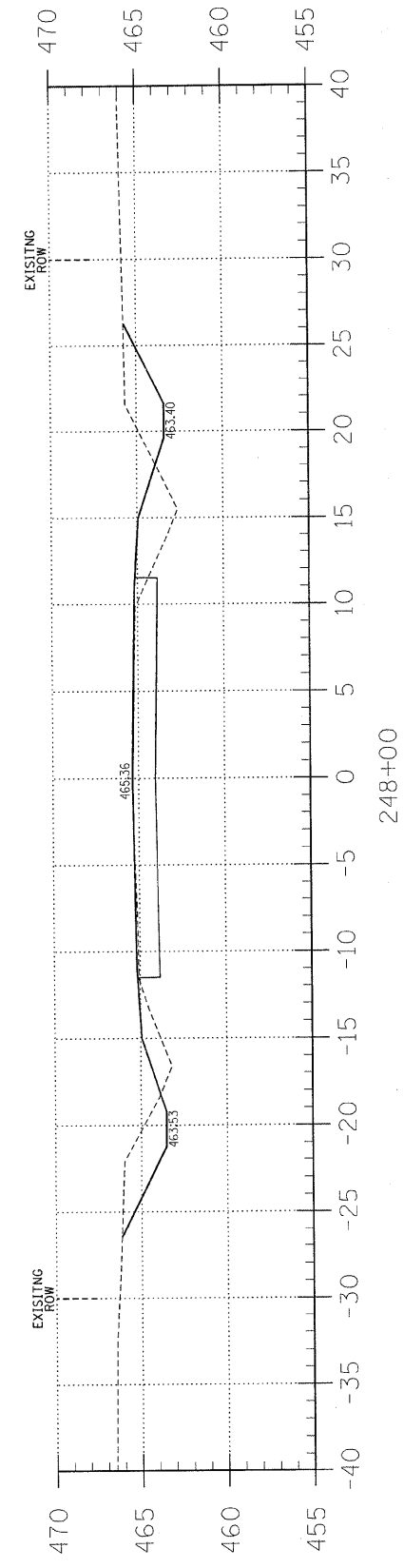
SHEET NO.
18



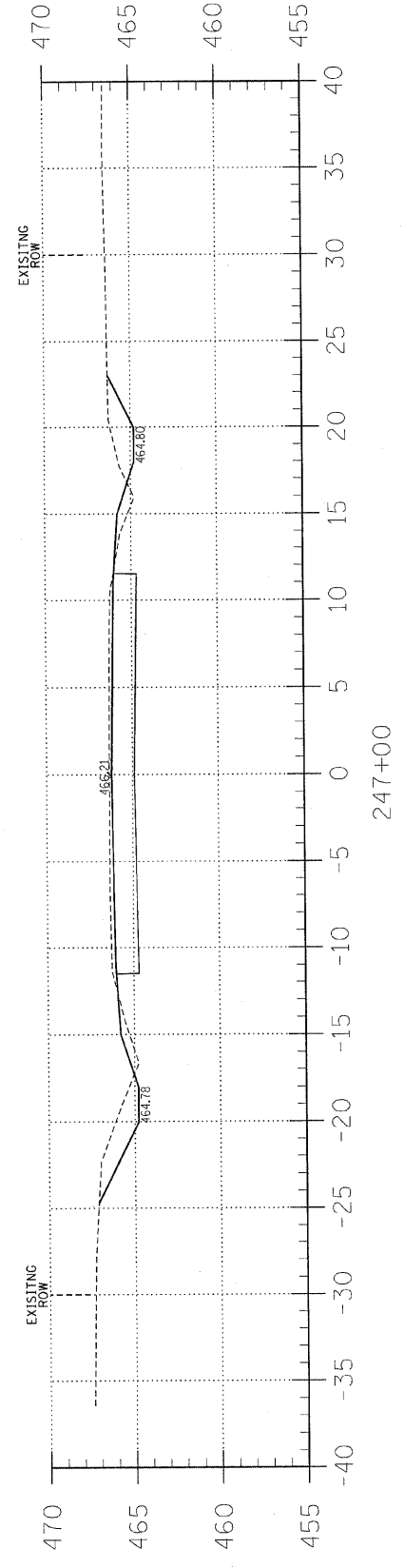
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Area Fill : 10.0



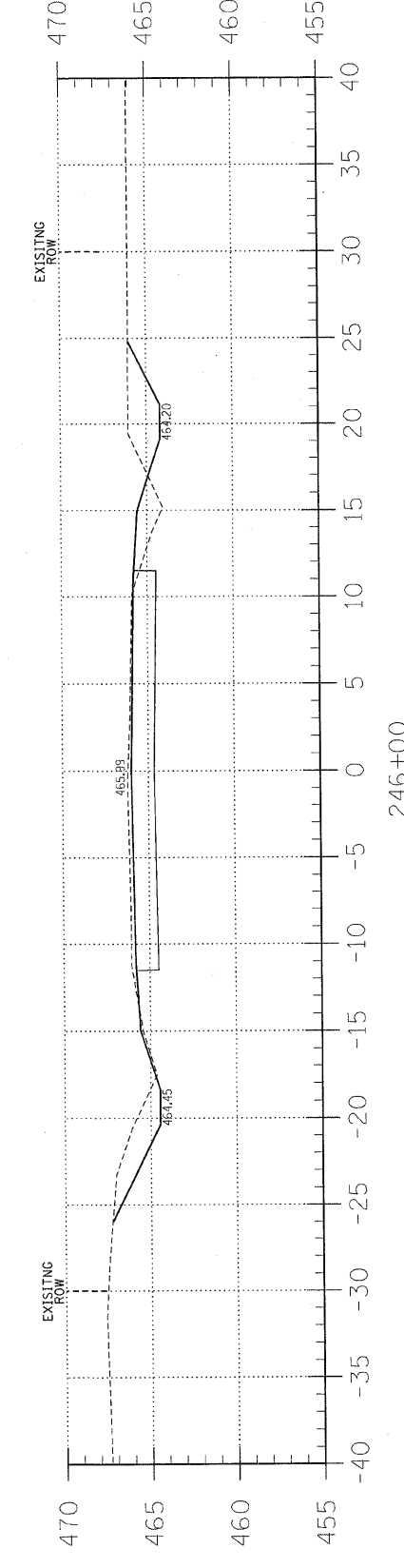
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Area Fill : 10.2



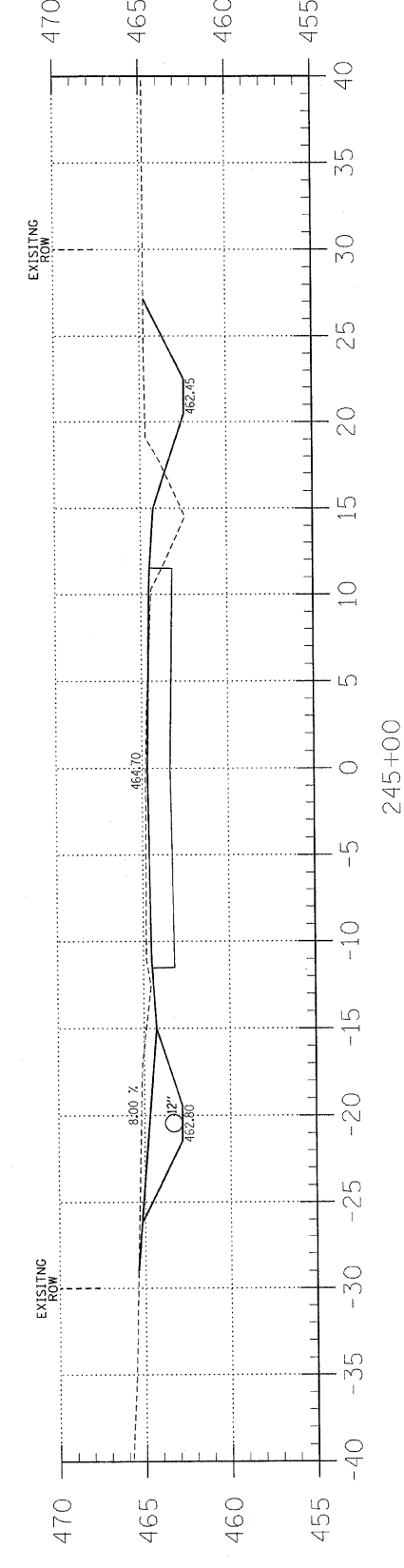
Area Cut : 19.2
Area Fill : 15.4



Area Cut : 15.7
Area Fill : 3.2



Area Cut : 20.6
Area Fill : 5.1



Area Cut : 35.9
Area Fill : 7.3

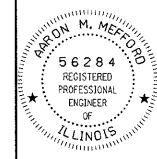
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
880	06-00097-00-FP	HAMILTON	25	19
FED. ROAD DIST. NO. 9		ILLINOIS	BELLE PRAIRIE ROAD	
PROJECT# SR-880(106)		CONTRACT# 99339		
LEC JOB # H0810033M				

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DATE
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F.A.S. 880 (CH 8)
BELLE PRAIRIE ROAD
SECTION 06-00097-00-FP
HAMILTON COUNTY, ILLINOIS

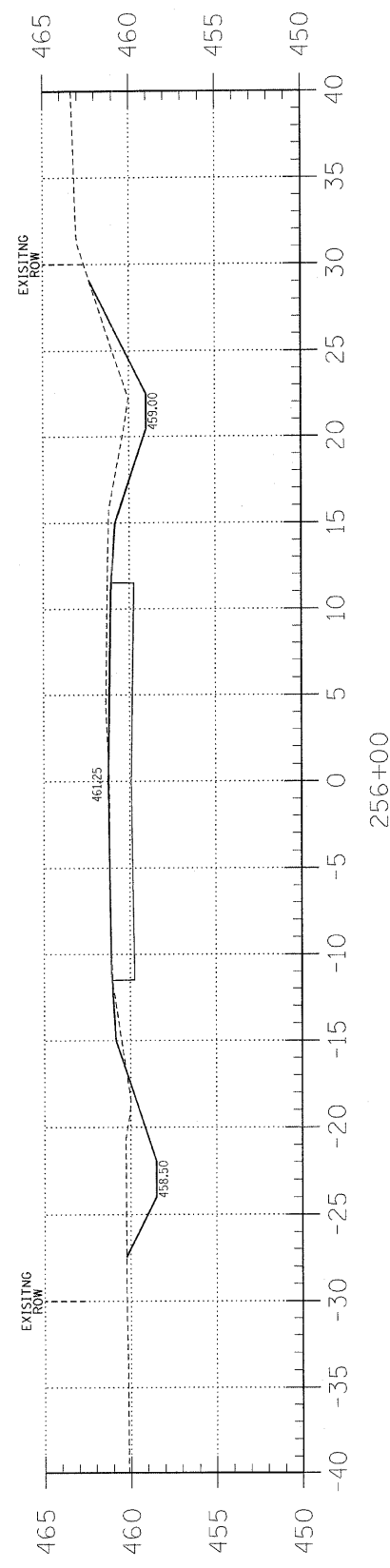
SHEET TITLE:

CROSS-SECTIONS

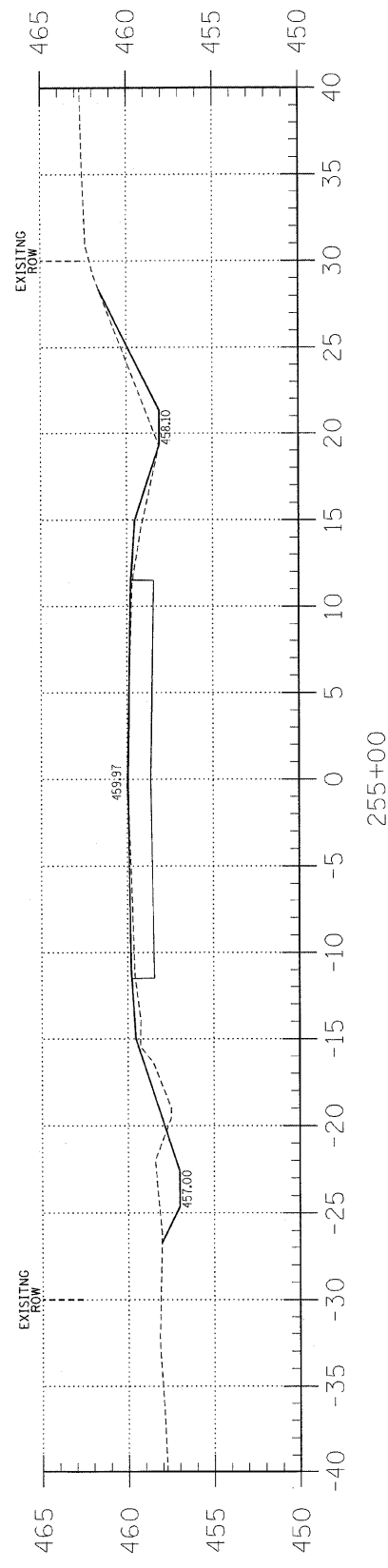
SCALE: 1" = 5'
BY: AMM
DATE: 11/9/08
REV:

19 OF 25 SHEETS

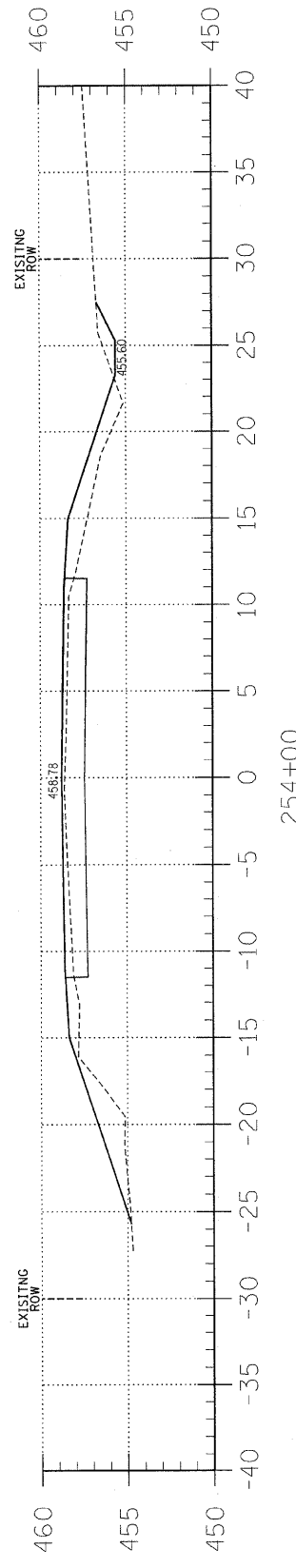
SHEET NO.
19



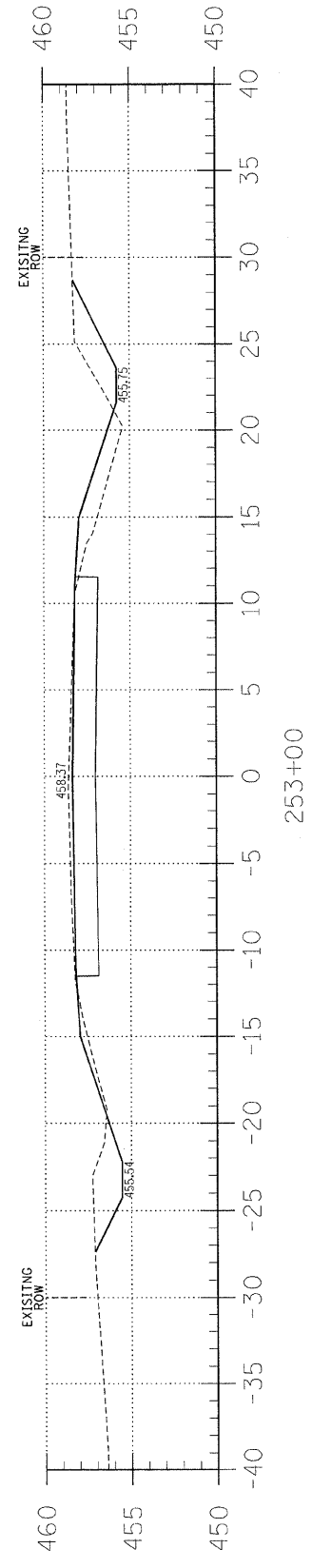
Area Cut : 24.4
Area Fill: 1.2



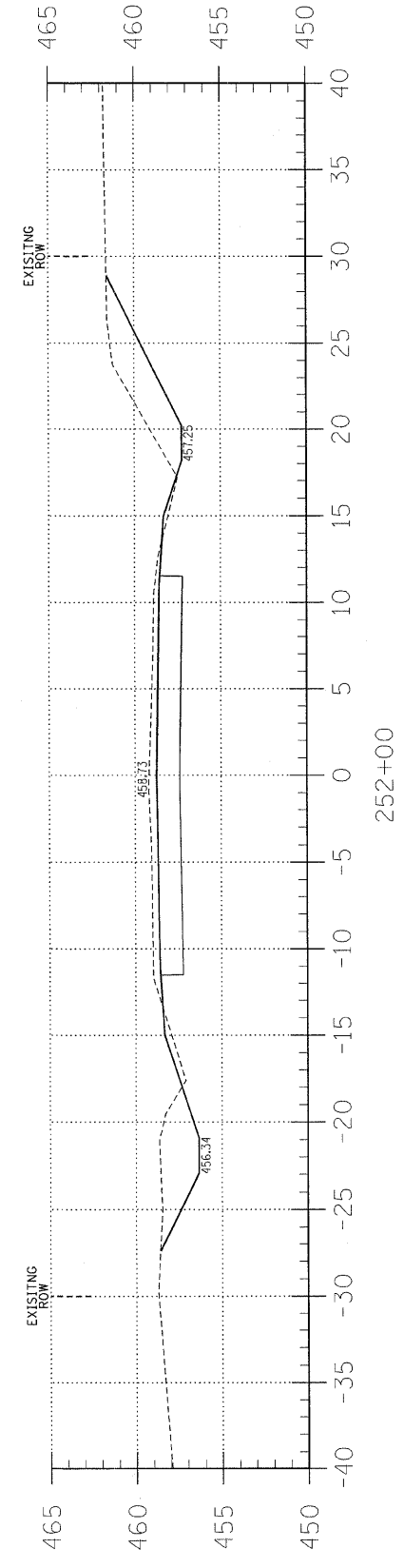
Area Cut : 9.4
Area Fill: 7.2



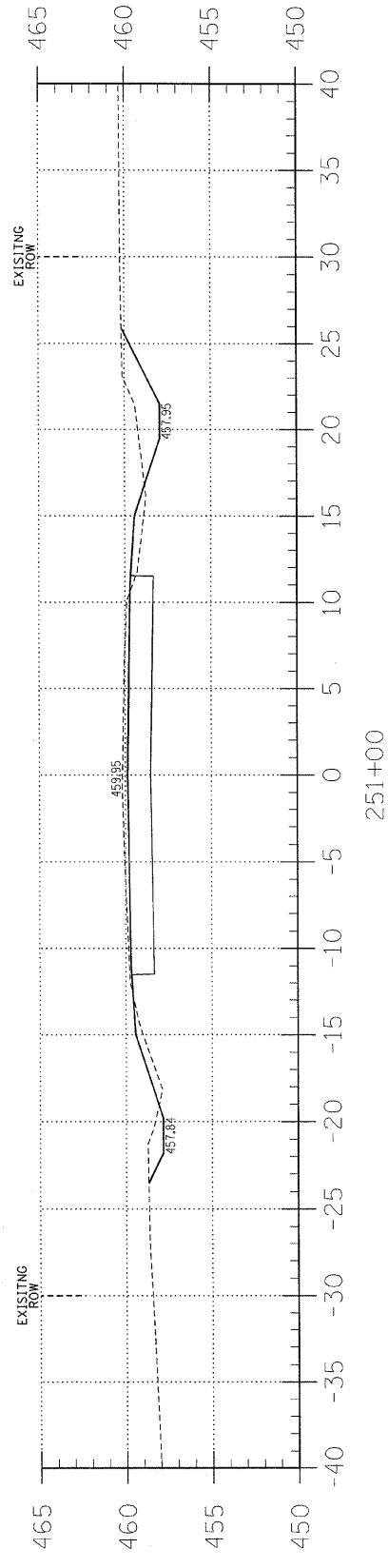
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Area Cut : 18.3
Area Fill: 9.0



Area Cut : 39.0
Area Fill: 2.0



Area Cut : 16.2
Area Fill: 4.5

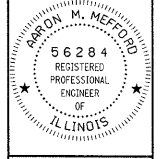
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
880	06-00097-00-FP	HAMILTON	25	20
FED. ROAD DIST. NO. 9 ILLINOIS		BELLE PRAIRIE ROAD		
PROJECT# SR-880(106)		CONTRACT# 99339		
LIC JOB # H081003RM				

323 W. 3RD ST.
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184-00887
(62-032435)(35-002769)



AARON M. MEFFORD
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DATE
12-17-08
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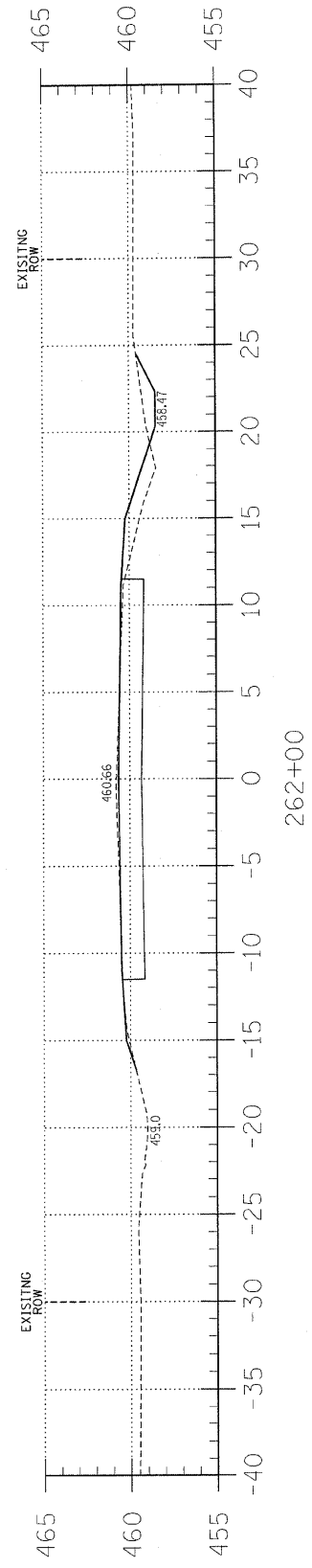
F.A.S. 880 (CH 8)
BELLE PRAIRIE ROAD
SECTION 06-00097-00-FP
HAMILTON COUNTY, ILLINOIS

SHEET TITLE:
CROSS-SECTIONS

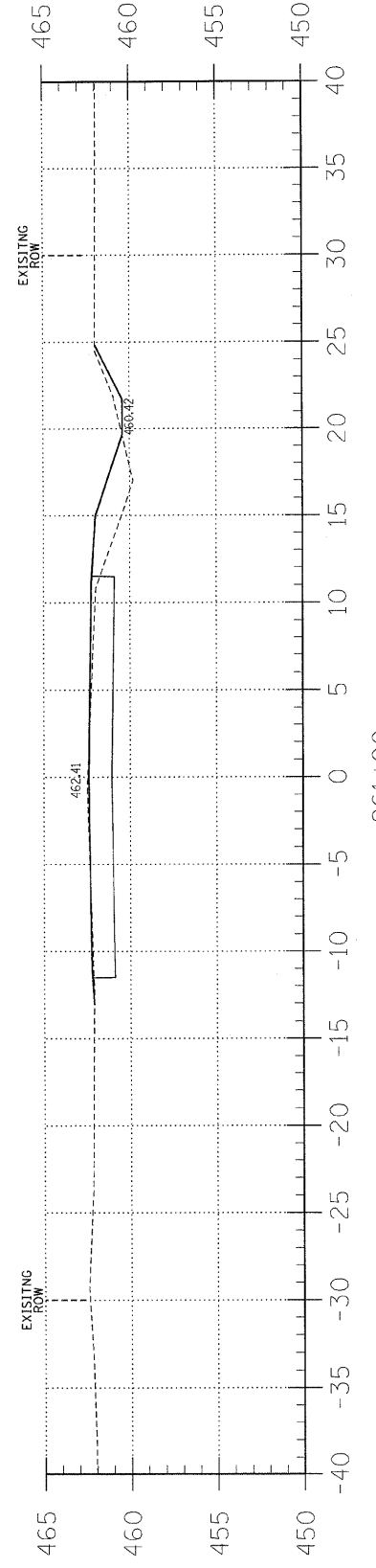
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BY: AMM
DATE: 11/9/08
REV:

20 OF 25 SHEETS

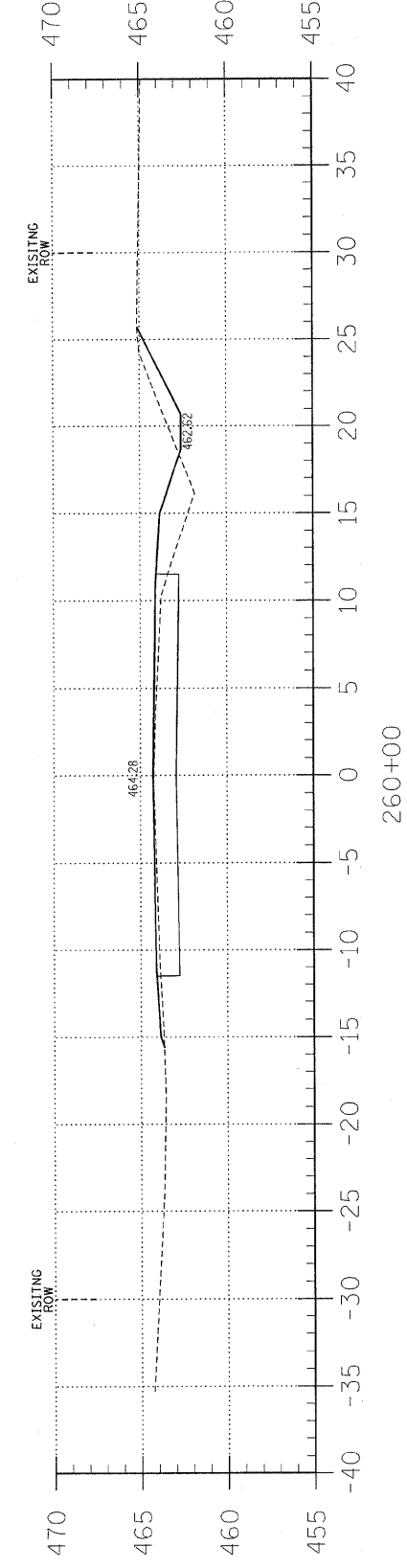
SHEET NO.
20



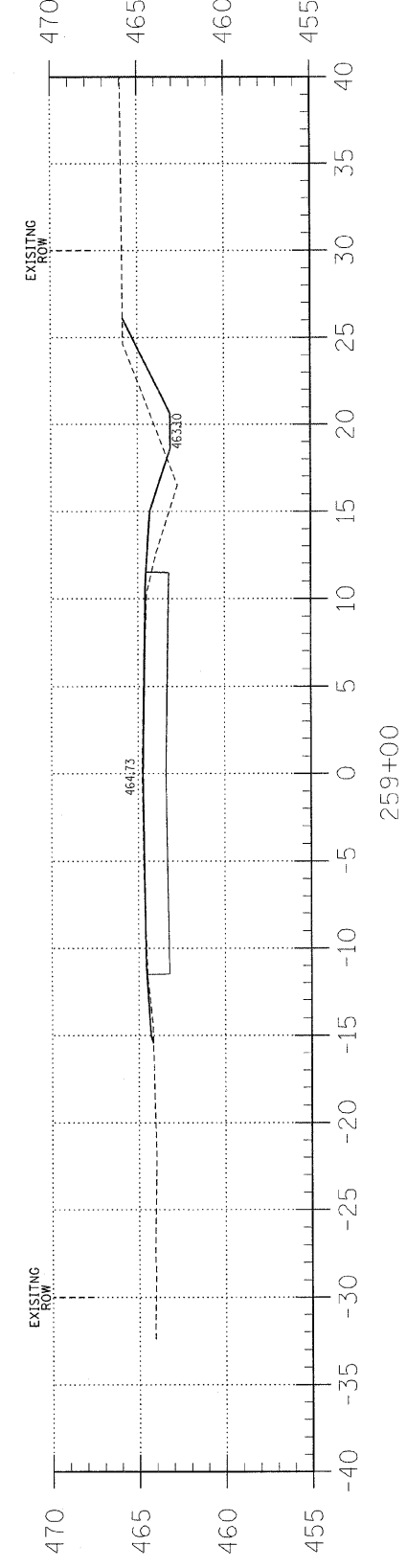
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Area Fill: 5.5



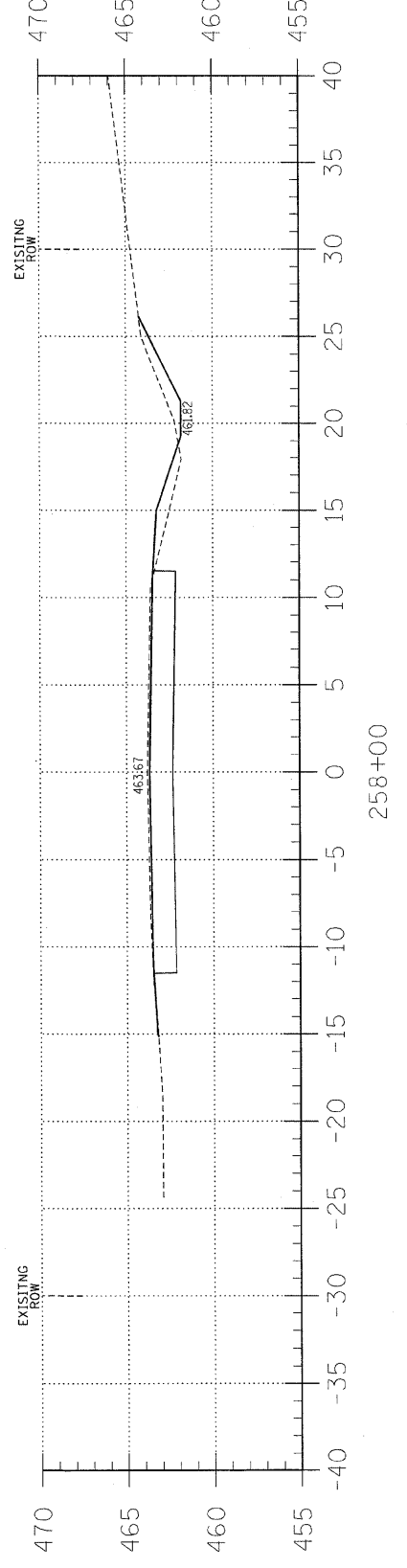
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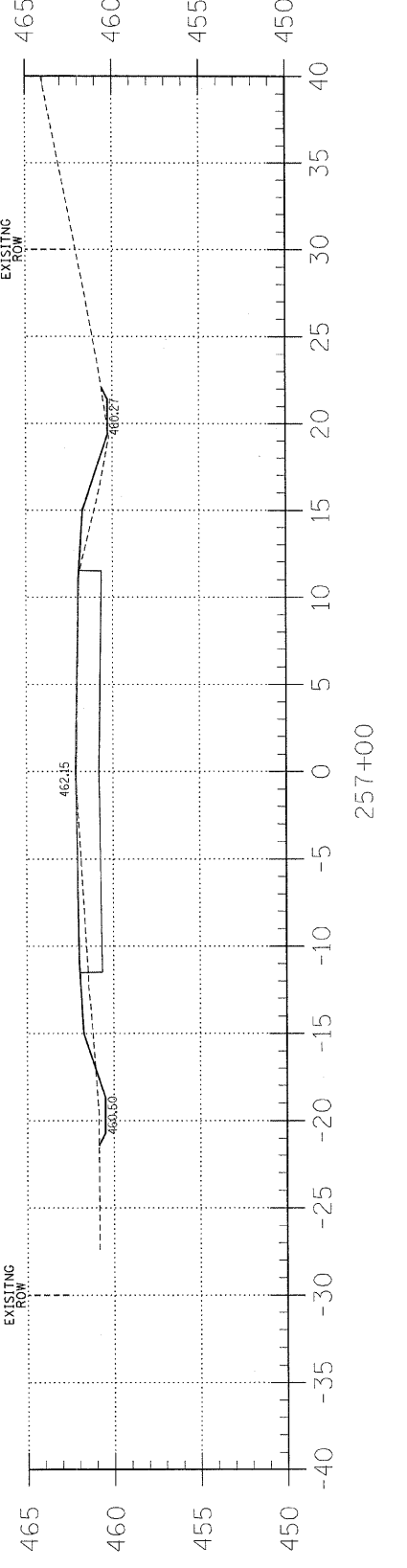
Area Cut : 4.7
Area Fill: 12.5



Area Cut : 6.5
Area Fill: 5.9



Area Cut : 5.9
Area Fill: 3.5



Area Cut : 1.6
Area Fill: 8.2



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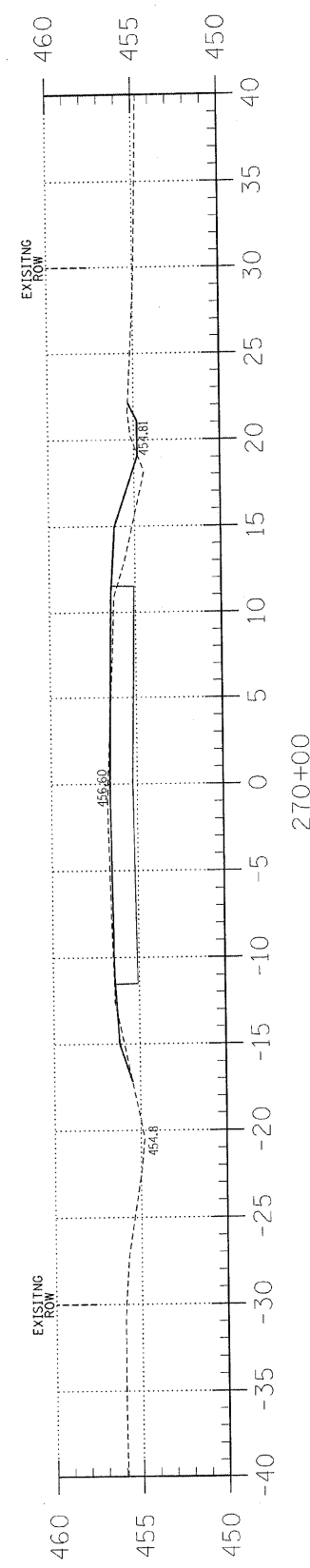
F.A.S. 880 (CH 8)
BELLE PRAIRIE ROAD
SECTION 06-00097-00-FP
HAMILTON COUNTY, ILLINOIS

SHEET TITLE:
CROSS-SECTIONS

SCALE: 1" = 5'
BY: AMM
DATE: 11/9/08
REV:

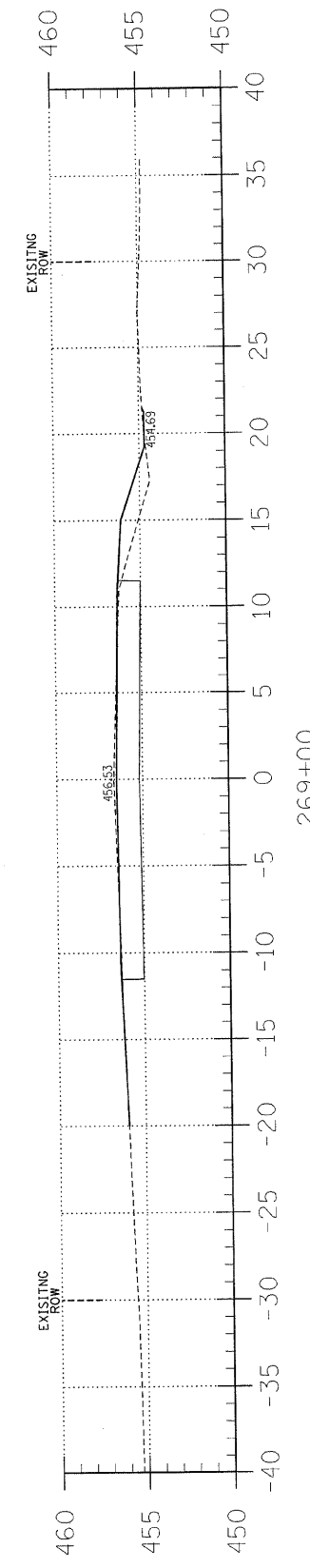
21 OF 25 SHEETS

SHEET NO.
21



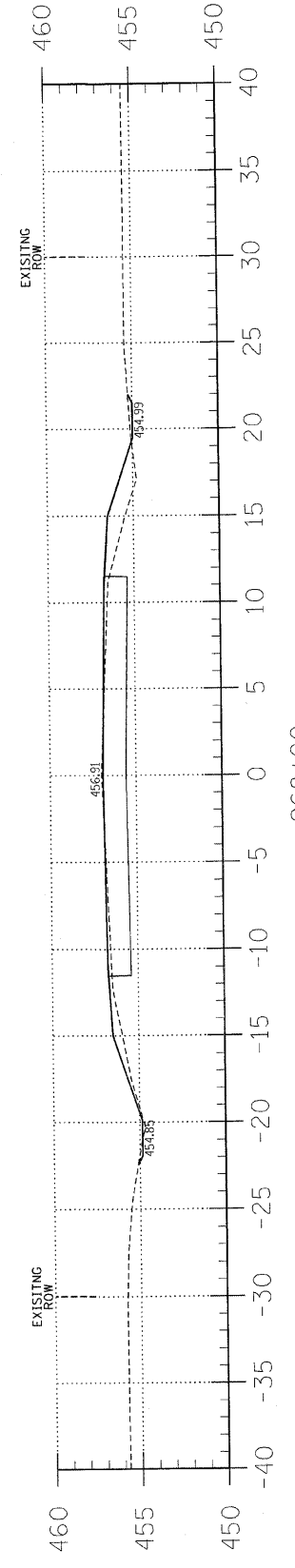
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Area Fill : 7.0

270+00



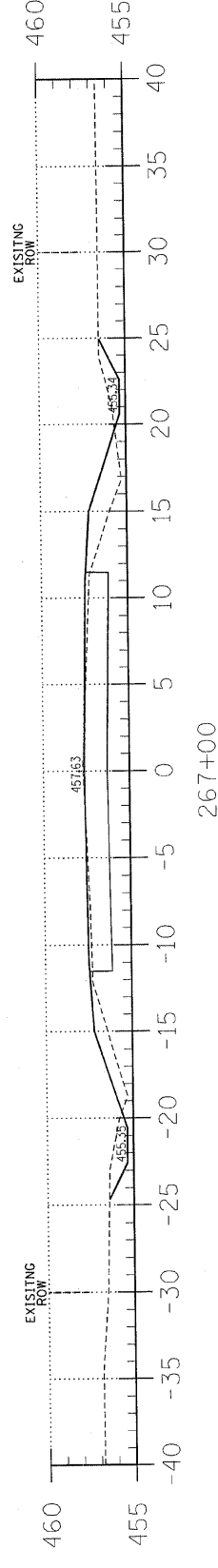
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269+00



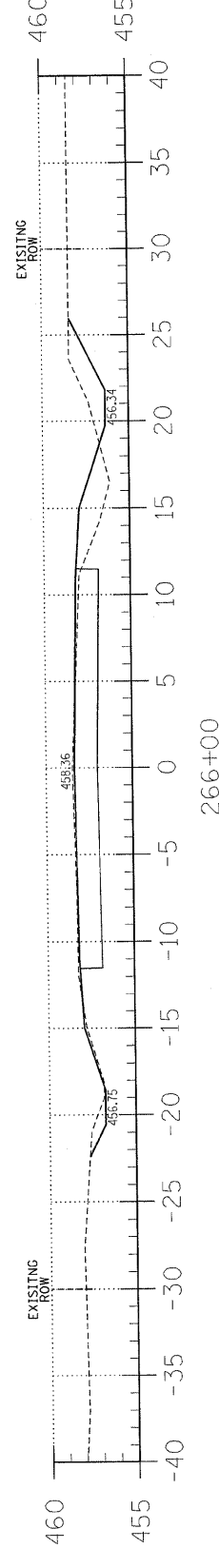
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Area Fill : 10.0

268+00



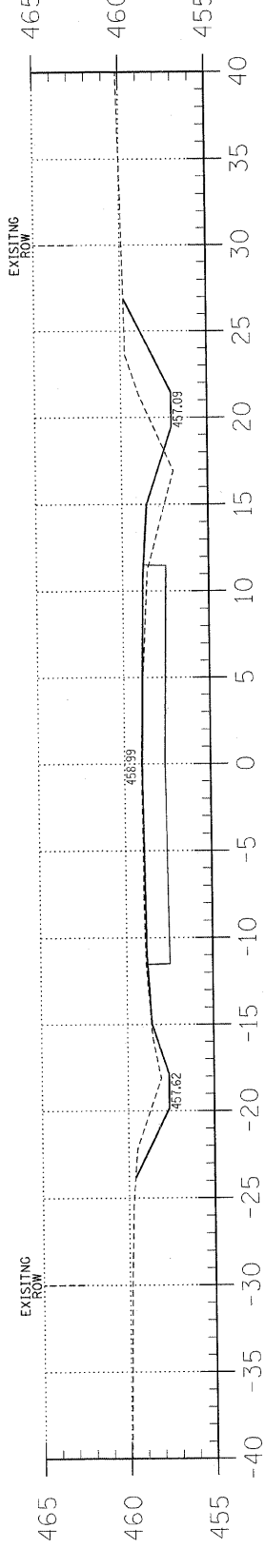
Area Cut : 5.6
Area Fill : 13.3

267+00



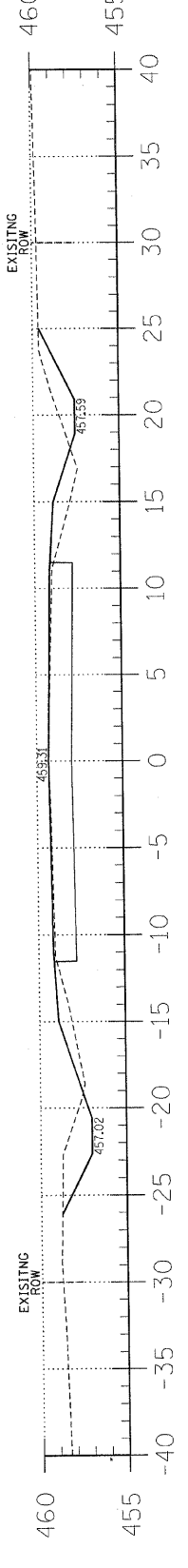
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Area Fill : 8.0

266+00



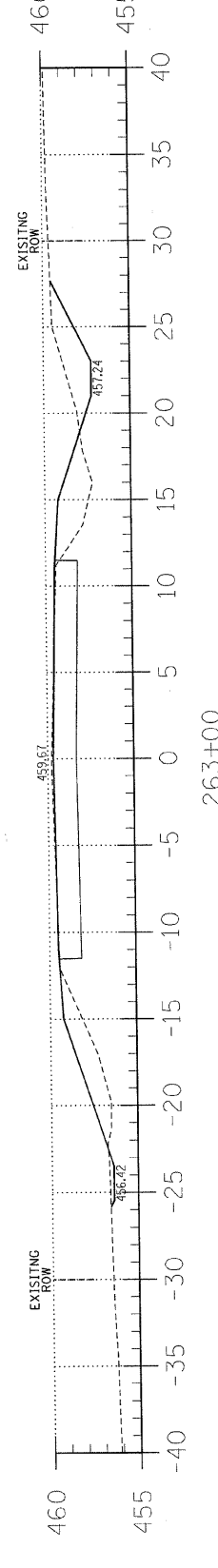
Area Cut : 15.8
Area Fill : 5.9

265+00



Area Cut : 11.3
Area Fill : 9.6

264+00



Area Cut : 9.8
Area Fill : 8.5

263+00

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
880	06-00097-00-FP	HAMILTON	25	22
FED. ROAD DIST. NO. 9 ILLINOIS		BELLE PRAIRIE ROAD		
PROJECT# SR-880(106)		CONTRACT# 99339		
LEC JOB # H081003RM				

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AARON M. MEFFORD
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F.A.S. 880 (CH 8)
BELLE PRAIRIE ROAD
SECTION 06-00097-00-FP
HAMILTON COUNTY, ILLINOIS

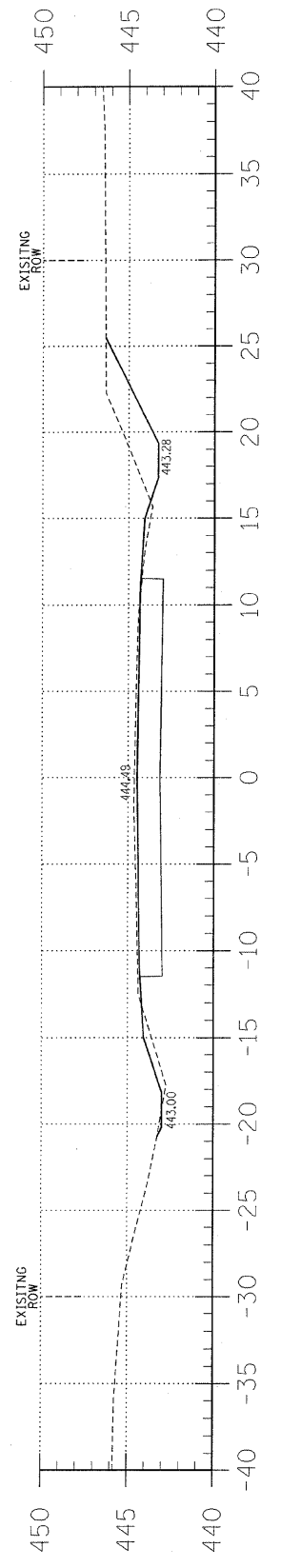
SHEET TITLE:

CROSS-SECTIONS

SCALE:	1" = 5'
BY:	AMM
DATE:	11/9/08
REV:	

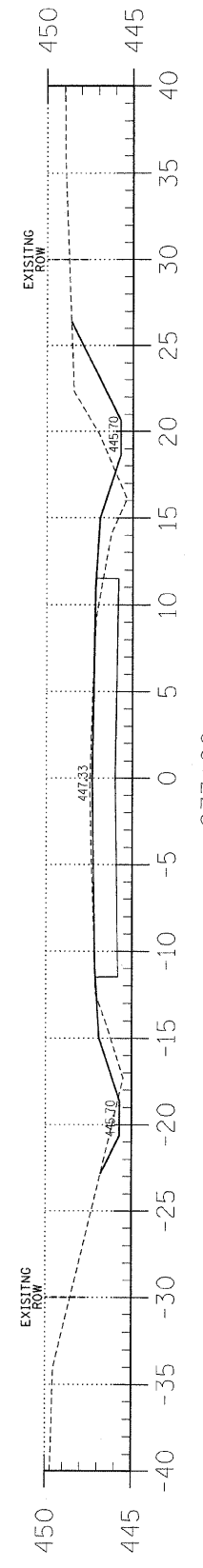
22 OF 25 SHEETS

SHEET NO. 22



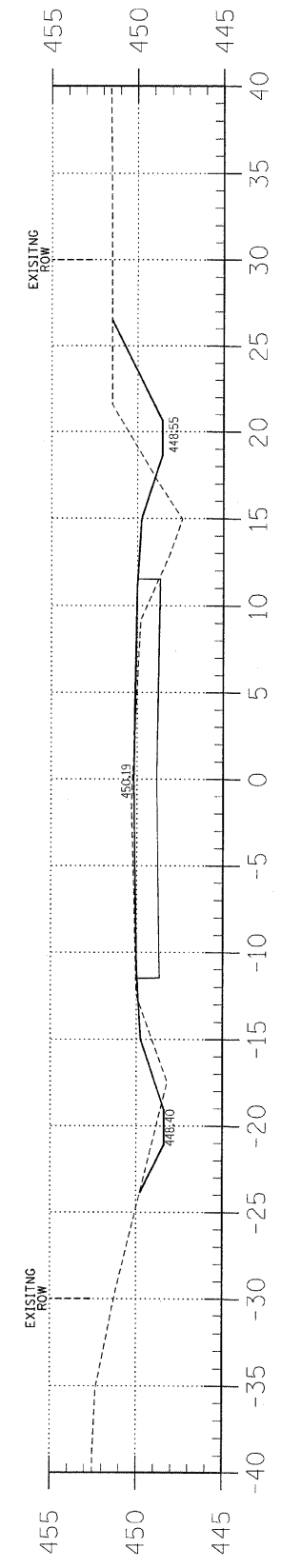
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278+00



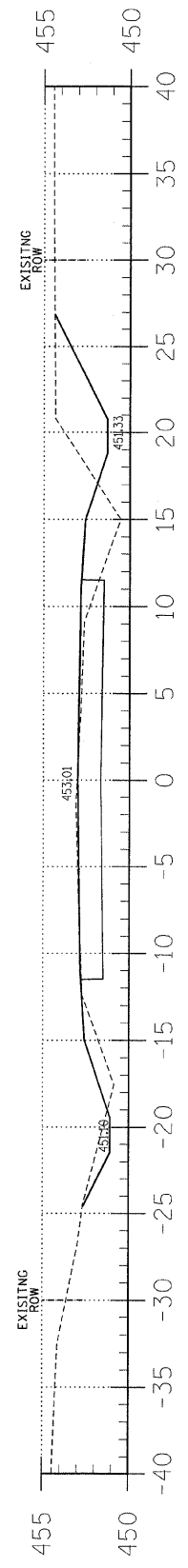
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Area Fill : 7.9

277+00



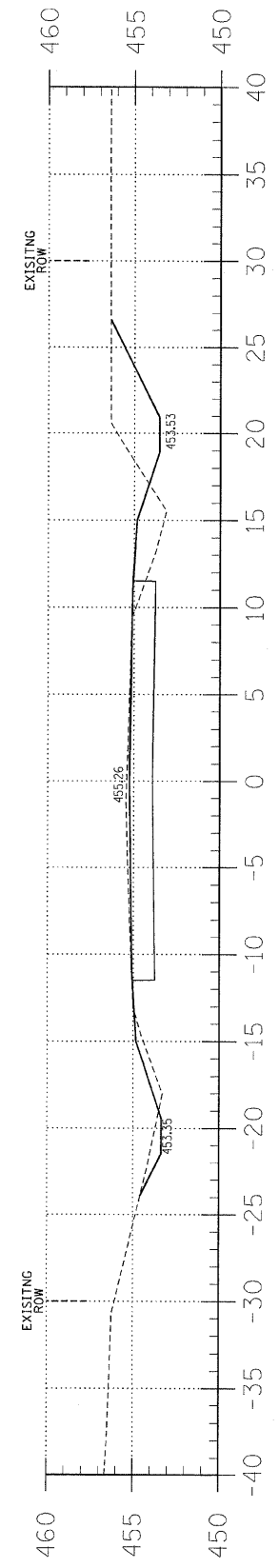
Area Cut : 15.6
Area Fill : 14.8

276+00



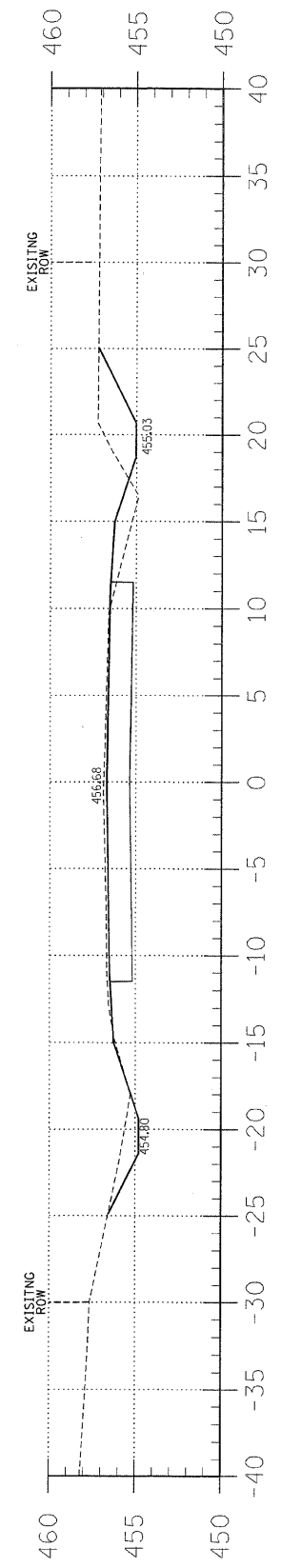
Area Cut : 18.1
Area Fill : 14.1

275+00



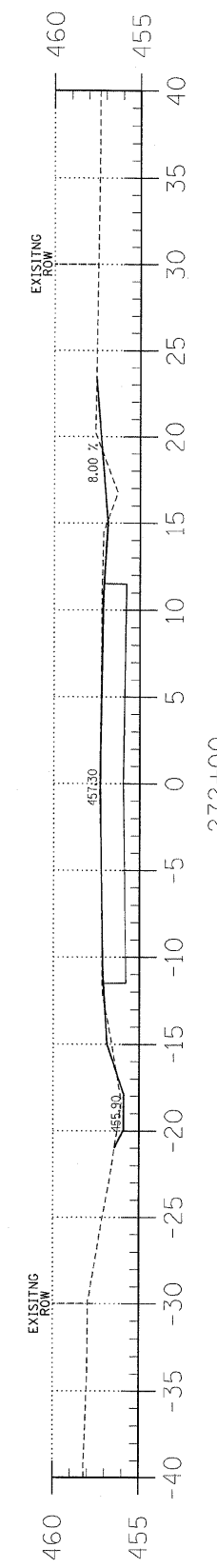
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274+00



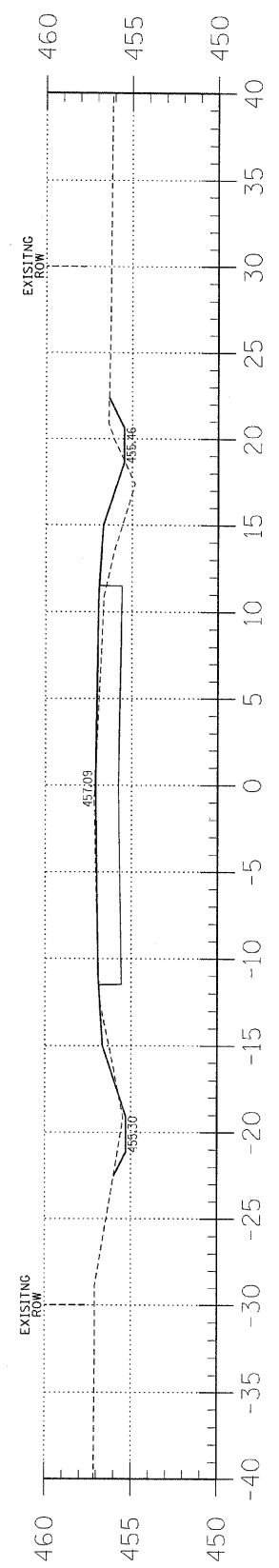
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273+00



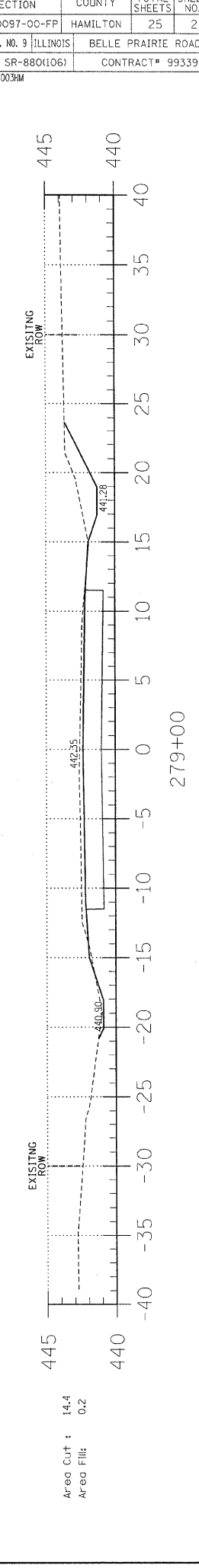
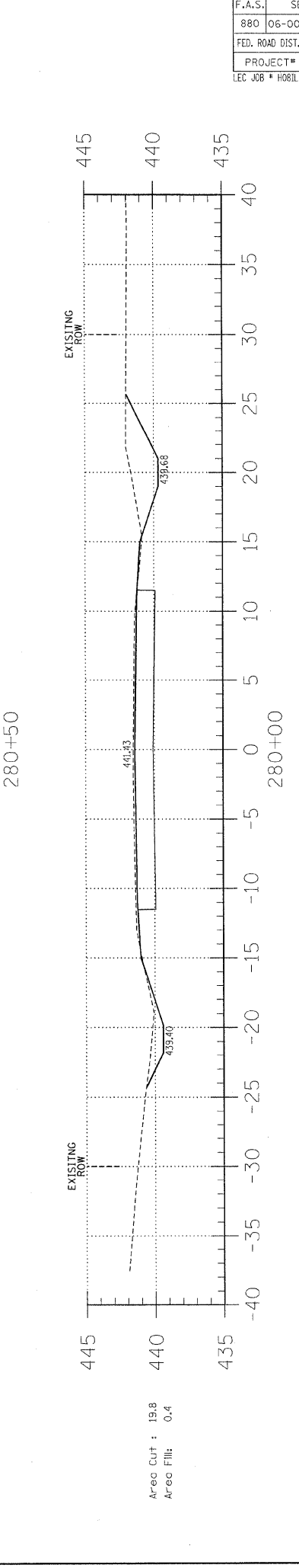
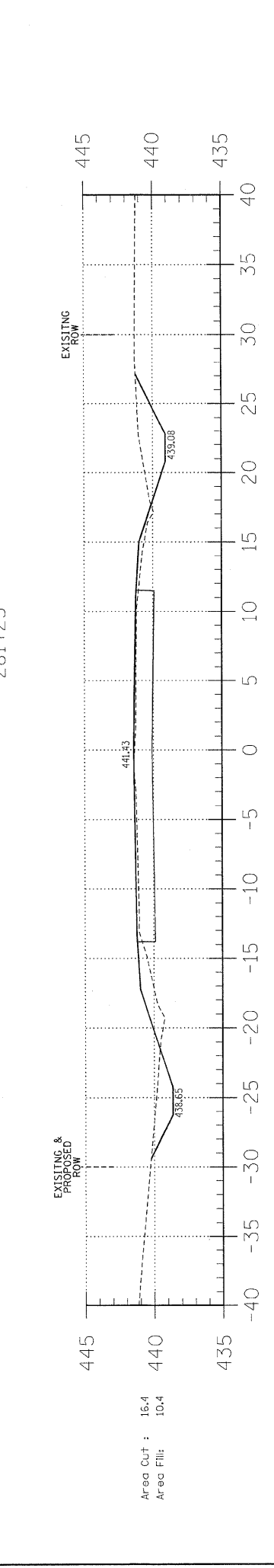
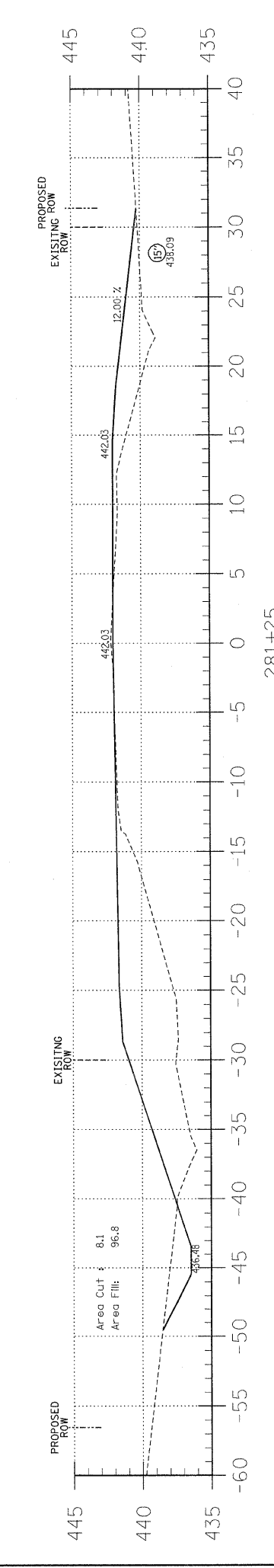
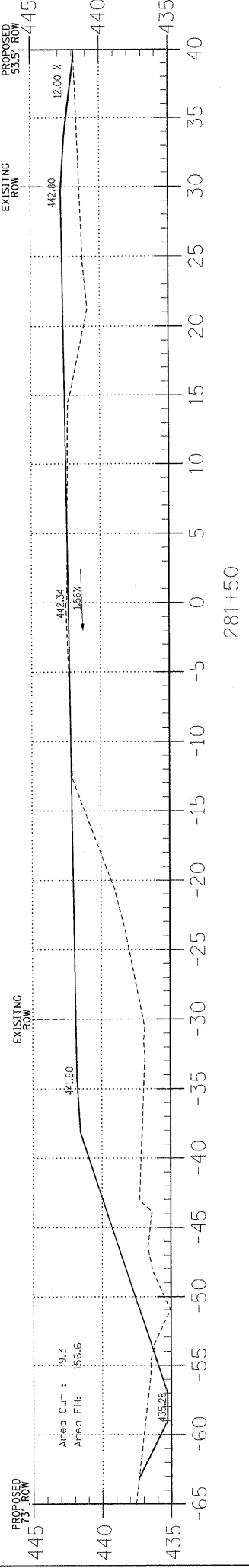
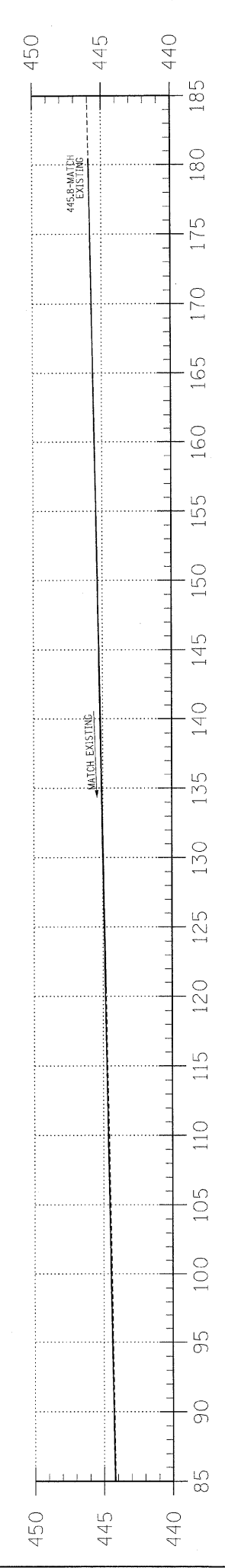
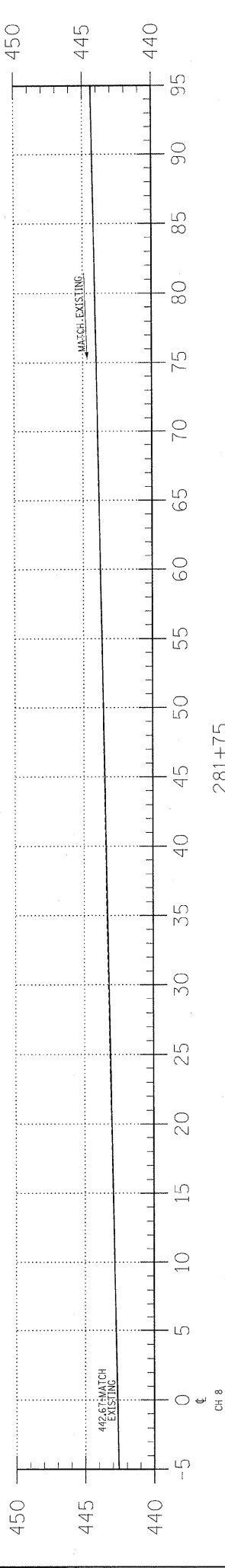
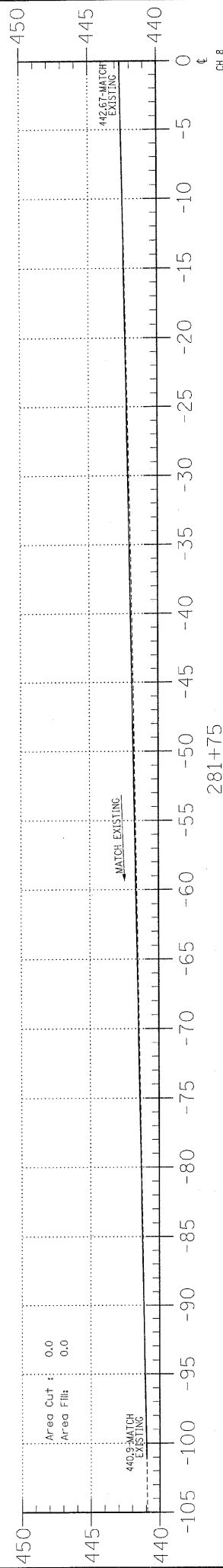
Area Cut : 2.9
Area Fill : 2.0

272+00



Area Cut : 3.2
Area Fill : 8.7

271+00



F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
880	06-00097-00-FP	HAMILTON	25	23
FED. ROAD DIST. NO. 9 ILLINOIS		BELLE PRAIRIE ROAD		
PROJECT# SR-880(106)		CONTRACT# 99339		
LEC JOB # H081003M				

323 W. 3RD ST.
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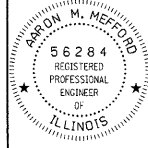
405 W. STATE ST.
SUITE 1
PRINCETON, IN
47670
PHONE:
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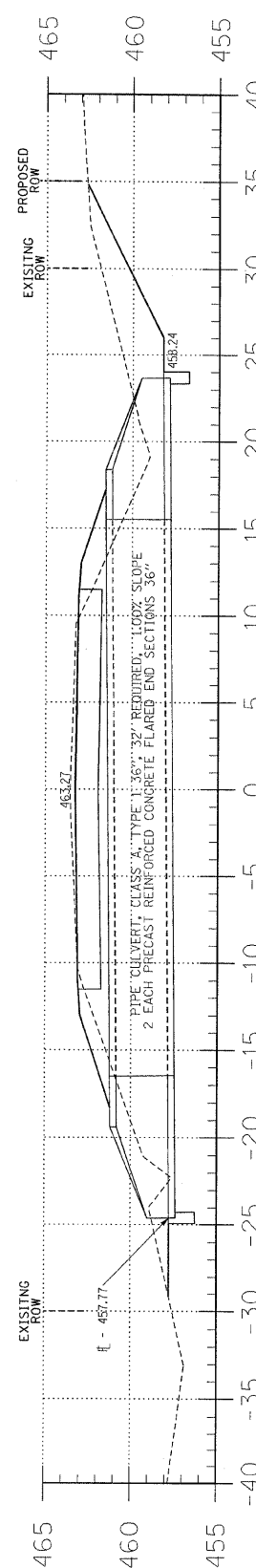
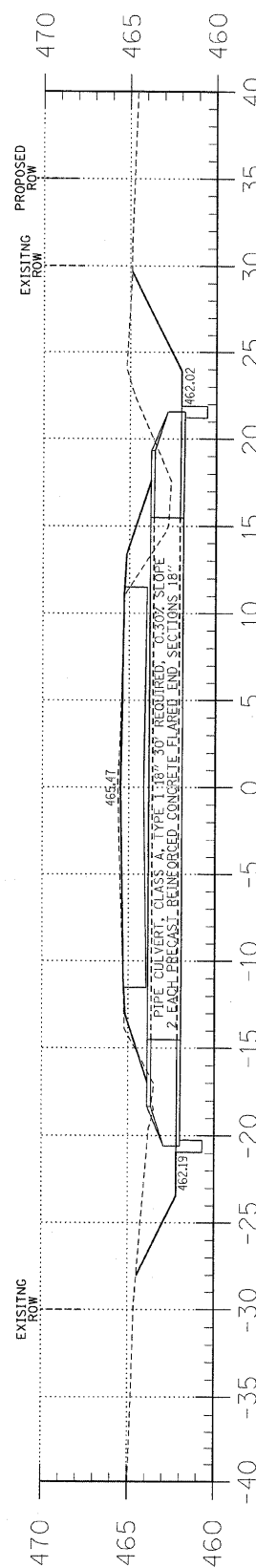
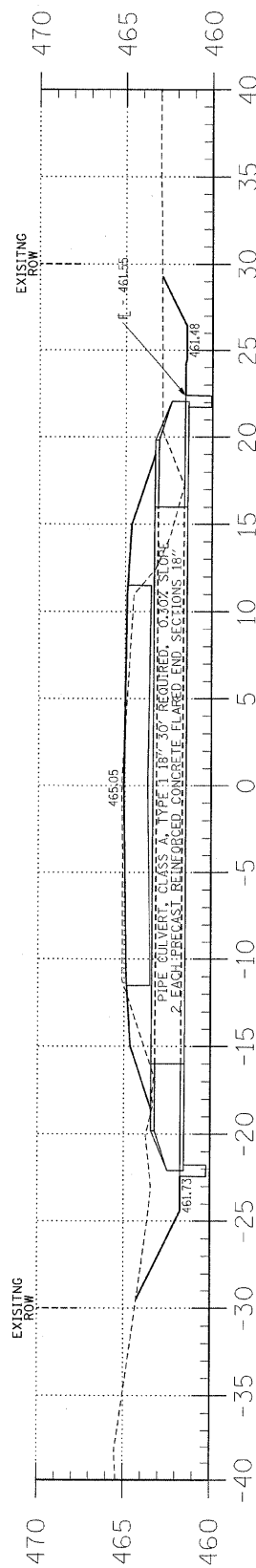
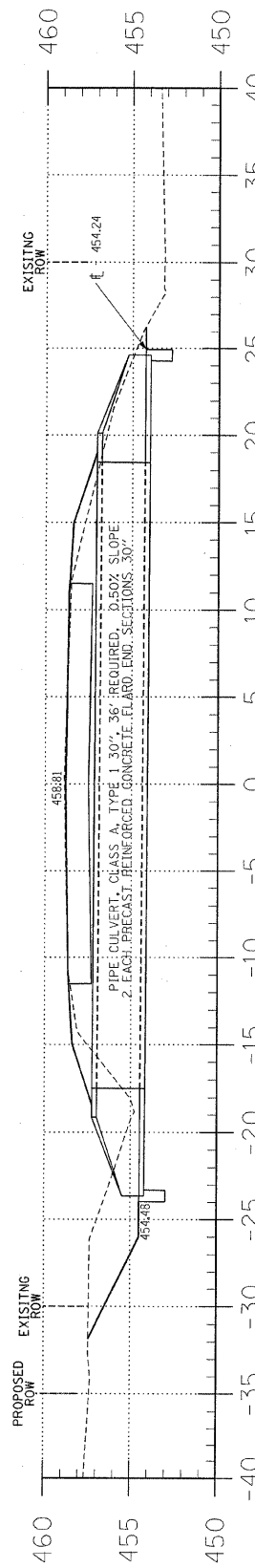
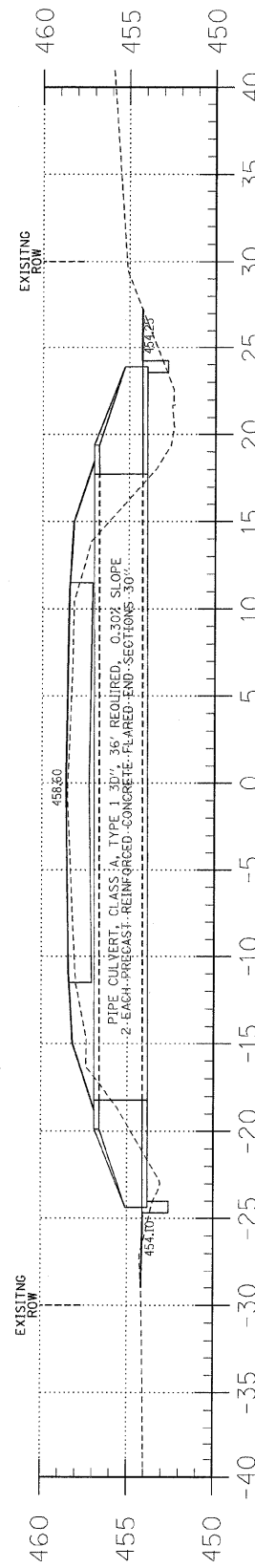
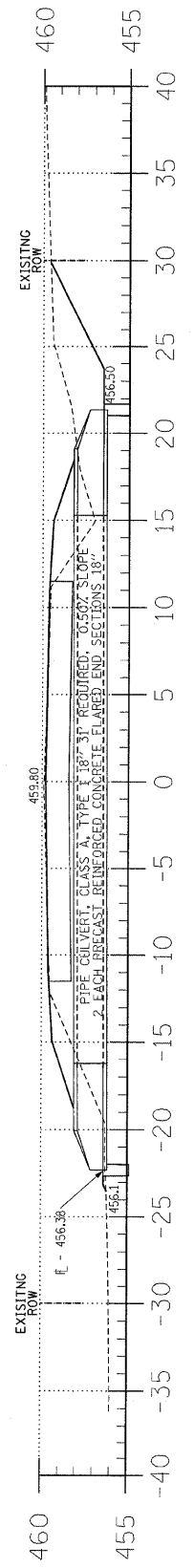
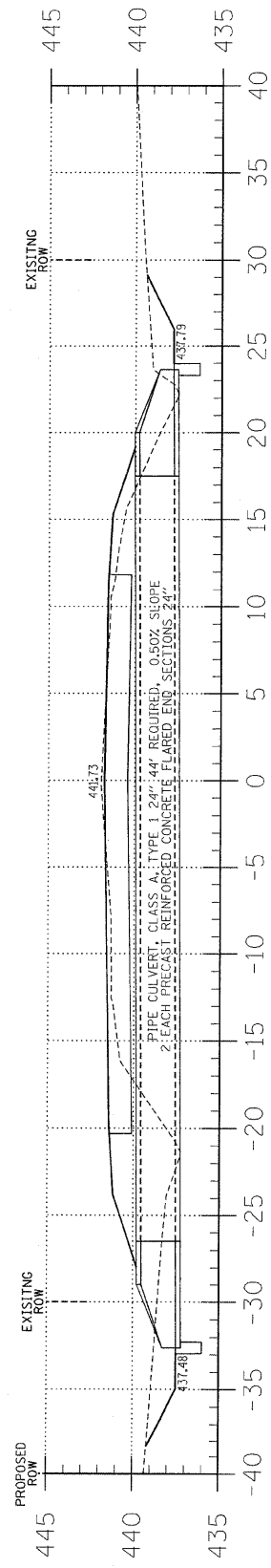
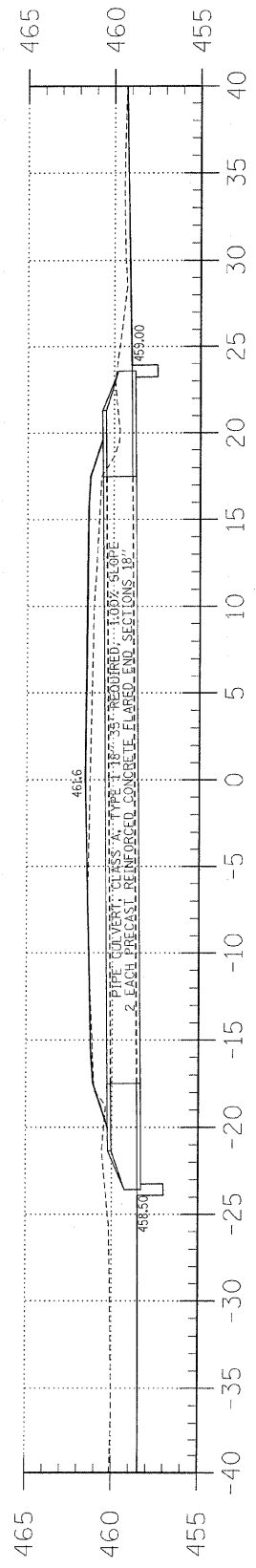
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LAND SURVEY & PROFESSIONAL ENGINEERING CORPORATION
184-000887
(62-032435)(35-002769)

AARON M. MEFFORD
NAME
SIGNATURE
DATE
12-17-08
11-30-09
EXPIRES

F.A.S. 880 (CH 8)
BELLE PRAIRIE ROAD
SECTION 06-00097-00-FP
HAMILTON COUNTY, ILLINOIS

SHEET TITLE:
CROSS-SECTIONS
SCALE: 1" = 5'
BY: AMM
DATE: 1/9/08
REV:
23 OF 25 SHEETS
SHEET NO. 23





ACROSS ROAD PIPE CULVERTS

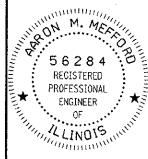
F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
880	06-00097-00-FP	HAMILTON	25	24
FED. ROAD DIST. NO. 5	ILLINOIS	BELLE PRAIRIE ROAD	CONTRACT # 99339	
PROJECT # SR-880(106)	LEC JOB # H06L003NM			

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F.A.S. 880 (CH 8)
BELLE PRAIRIE ROAD
SECTION 06-00097-00-FP
HAMILTON COUNTY, ILLINOIS

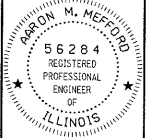
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CROSS-SECTIONS

SCALE: 1" = 5'
BY: AMM
DATE: 11/9/08
REV:

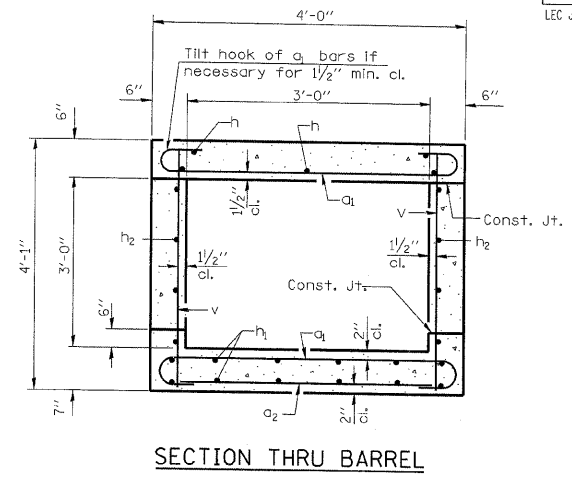
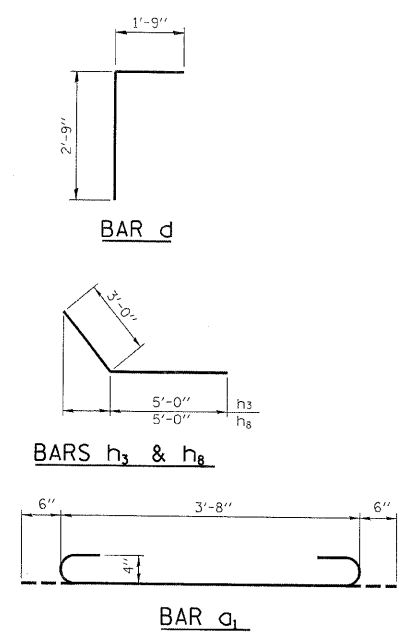
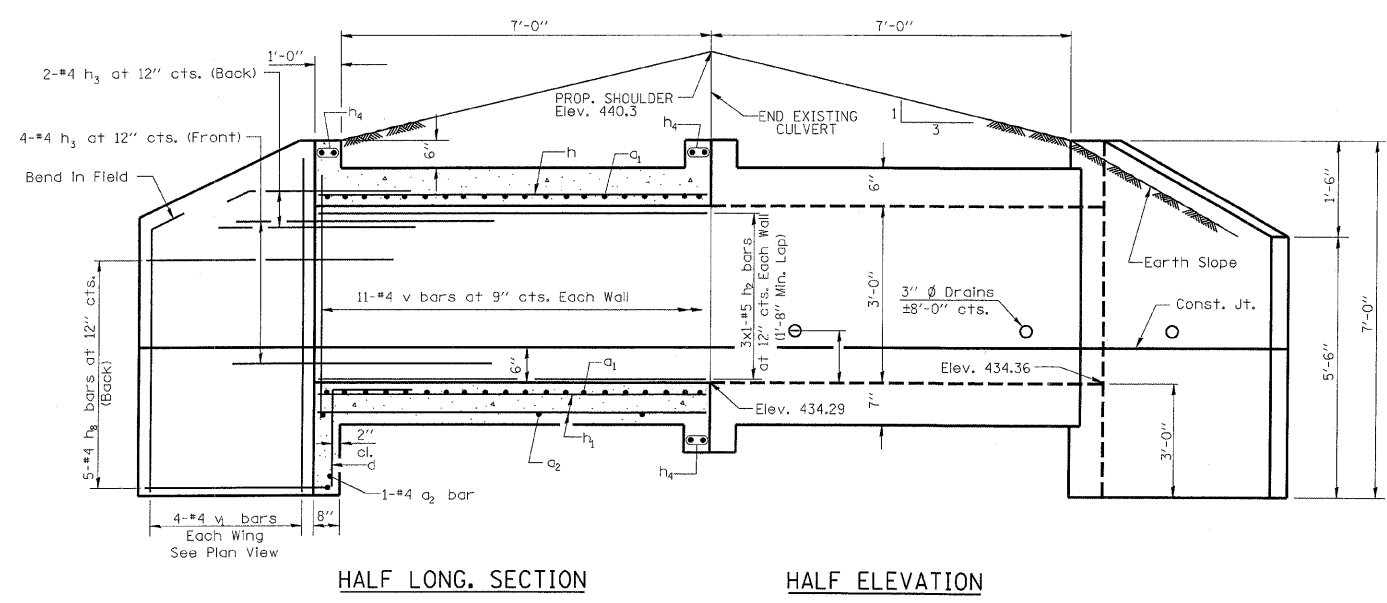
24 OF 25 SHEETS

SHEET NO. 24



LOCATION IS ILLINOIS ROUTE 242
(NOTED ON SHEET 11)

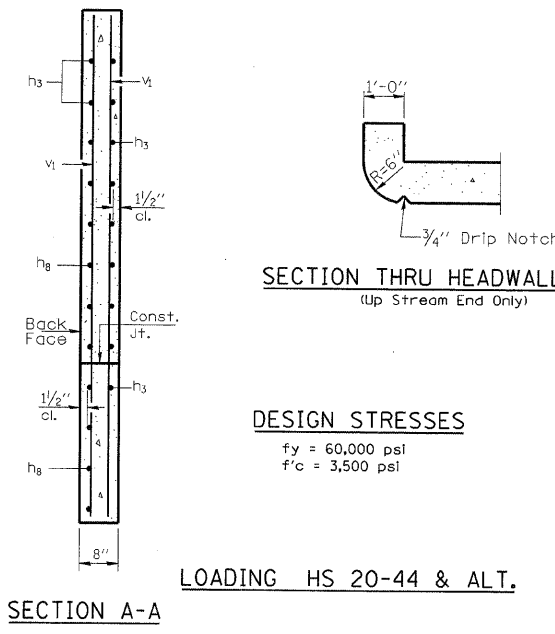
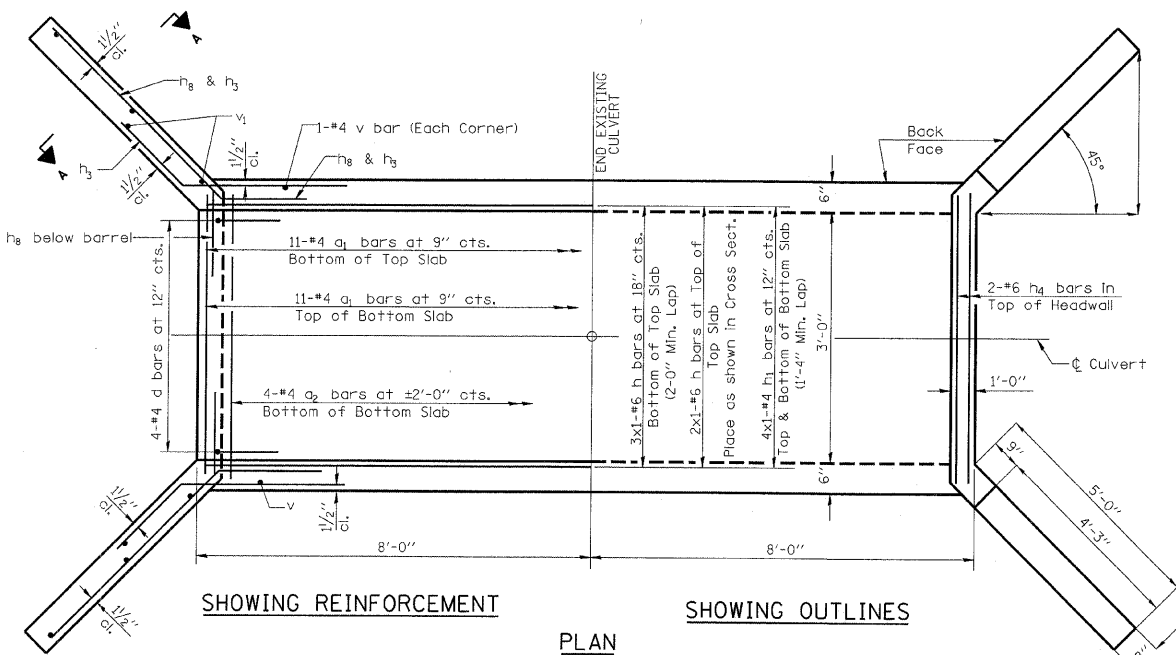
F.A.S. 880 (CH 8)
BELLE PRAIRIE ROAD
SECTION 06-00097-00-FP
HAMILTON COUNTY, ILLINOIS



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1	22	#4	4'-8"	U
a2	5	#4	3'-3"	—
d	4	#4	4'-6"	L
h	5	#6	7'-9"	—
h1	8	#4	7'-9"	—
h2	6	#5	7'-9"	—
h3	12	#4	8'-0"	—
h4	6	#6	3'-8"	—
h5	10	#4	8'-0"	—
v	24	#4	3'-9"	—
v1	8	#4	6'-6"	—

Concrete Box Culverts	Cu. Yd.	5.1
Reinforcement Bars	Pound	485
Expansion Bolts 3/4"	Each	8

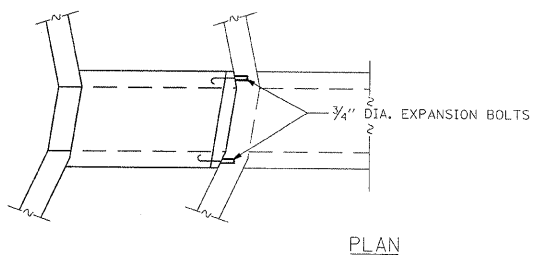
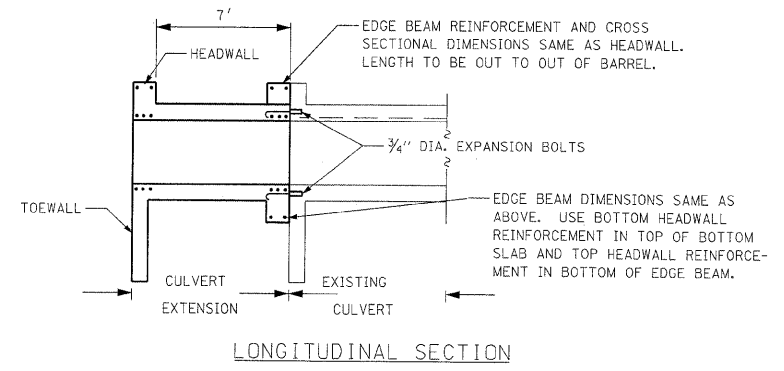


DESIGN STRESSES
fy = 60,000 psi
f'c = 3,500 psi

LOADING HS 20-44 & ALT.

NOTES

- A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
- Reinforcement Bars shall conform to the requirements of AASHTO M-31, M-42 or M-53, Grade 60.
- Bars indicated thus 12 x 4-#5 etc. indicates 12 lines of bars with 4 lengths per line.
- All construction joints shall be bonded.



- NOTE:
- USE MINIMUM OF 3/4" DIA. EXPANSION BOLT AT 16" FROM EACH CORNER.
 - EXPANSION BOLTS SHALL BE 3/4" DIA. HOOKED BOLTS. HOOKED BOLTS SHALL EXTEND A MINIMUM OF 9" INTO NEW CONCRETE.
 - EXPANSION BOLTS SHALL BE SPACED AT 24" CENTERS.

CULVERT EXTENSION W/ EXT. HEADWALL TO REMAIN