

F. A. U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4304	04-00045-00-FP	WILL	033	001
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT #63108

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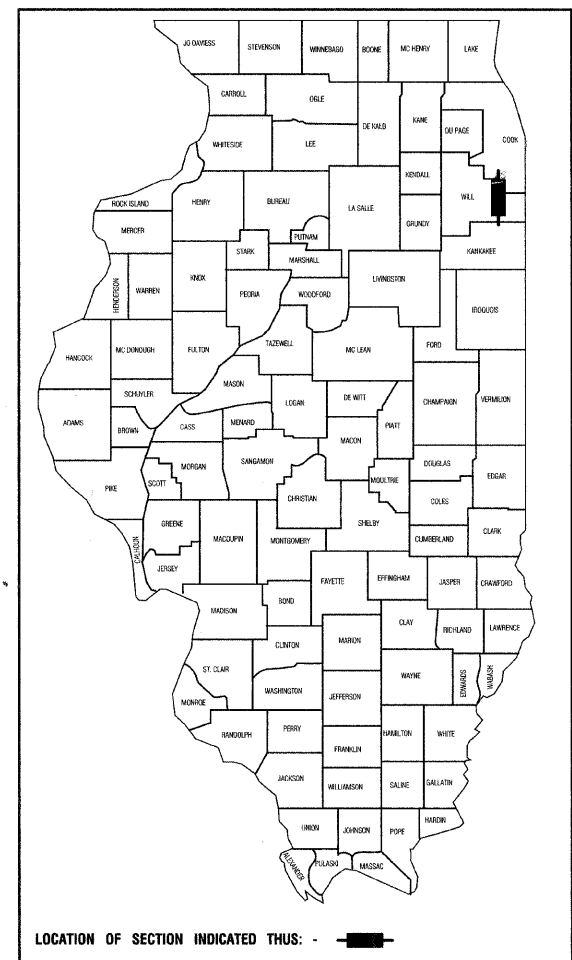
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**

**RATHJE ROAD
WILMINGTON-PEOTONE RD. TO CORNING AVE.
ROAD RECONSTRUCTION
PROJECT: M-8003 (575)
SECTION NO.: 04-00045-00-FP
JOB NO.: C 91 147-06
VILLAGE OF PEOTONE
WILL COUNTY**

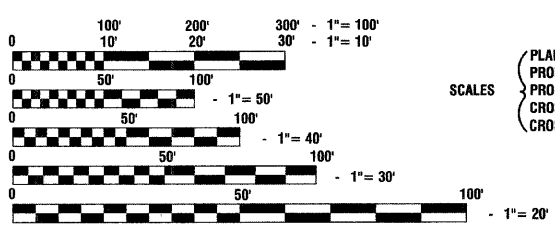


DESIGN DESIGNATION - RATHJE ROAD ADT 7,000 (2030) - COLLECTOR
PV=6,650 SU=280 MU=70

2005 ADT - 2,000
2030 ADT - 7,000

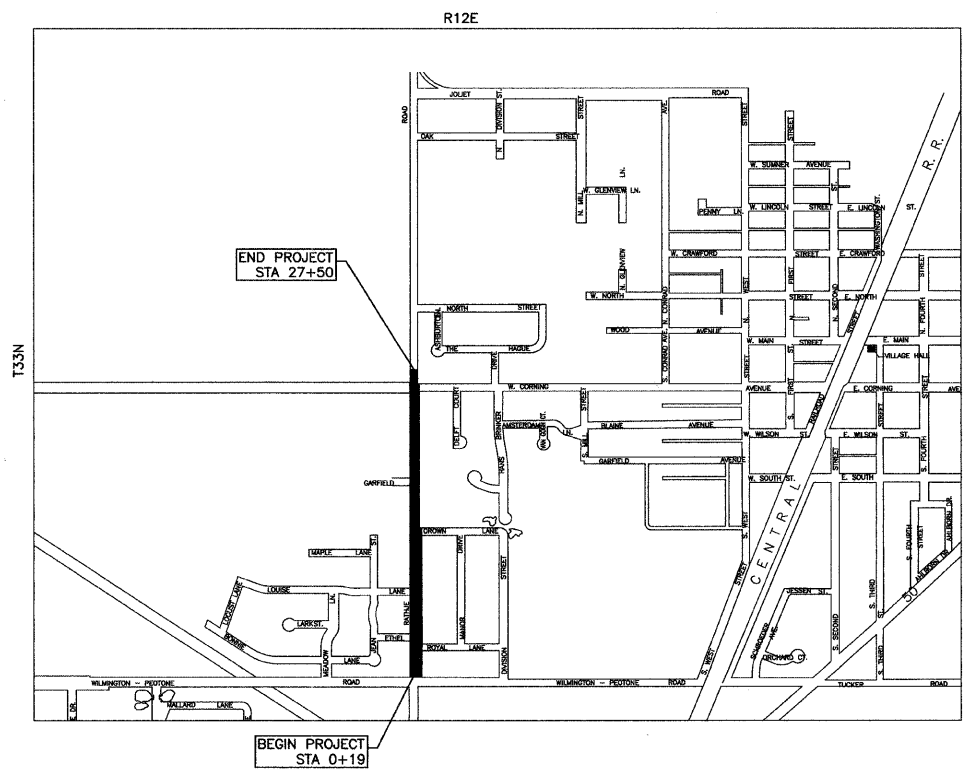
EXISTING SPEED LIMIT - 30 MPH
PROPOSED SPEED LIMIT - 30 MPH

DESIGN PERIOD - 20 YEARS
DESIGN SPEED LIMIT - 35 MPH
STREET CLASSIFICATION - CLASS II ROAD



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES, REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J. U. L. I. E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123 or 811



PROJECT LOCATION

GROSS LENGTH= 2731 FEET = 0.52 MILES
NET LENGTH= 2731 FEET = 0.52 MILES

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

Approved: *[Signature]*
President, Village of Peotone
Local Agency, Position

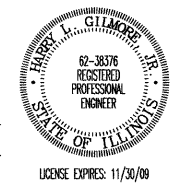
Passed: DECEMBER 16, 2008
[Signature]
District 1 Engineer of Local Roads & Streets

Released for Bid Based on Limited Review
DECEMBER 17, 2008
[Signature]
Deputy Director of Highways, Region 1 Engineer

DESCRIPTION OF IMPROVEMENT
THIS IMPROVEMENT CONSISTS OF EARTH EXCAVATION, PAVEMENT REMOVAL, HOT-MIX ASPHALT, CURB AND GUTTER, SIDEWALK, DRIVEWAYS, PAVEMENT MARKINGS, STORM SEWER, WATER MAIN, LANDSCAPING, AND ALL INCIDENTAL WORK AS NECESSARY TO COMPLETE THE IMPROVEMENT SHOWN HEREIN AND AS DESCRIBED IN THE SPECIFICATIONS.

PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:

[Signature]
12/19/08



FIELD ENGINEER: MELCHOR MANGABA 847-705-4408
CONSULTANTS: ROBINSON ENGINEERING, LTD. 708-331-6700

P. A. U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4304	04-00045-00-FP	WILL	033	002
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT #63108

SUMMARY OF QUANTITIES					PAVEMENT	MARKINGS	SIGNS	LANDSCAPE	LOCAL AGENCY
S.I.	CODE NO.	PAY ITEM	UNIT	QUAN	CONSTRUCTION TYPE CODE				
					1000-2A	SFTY-1D	Y002-1C	Y003	VILLAGE OF PEOTONE
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	18	18				
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	7	7				
	20200100	EARTH EXCAVATION	CU YD	7780	7780				
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	100	100				
	20700420	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	100	100				
	20800150	TRENCH BACKFILL	CU YD	1351	1351				
	21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	3620	3620				
	21300010	EXPLORATION TRENCH, SPECIAL	FOOT	60	60				
	25200650	SODDING, SALT TOLERANT (SPECIAL)	SQ YD	3620	3620				
	28000400	PERIMETER EROSION BARRIER	FOOT	2700	2700				
	28000510	INLET FILTERS	EACH	29	29				
	28100101	STONE RIPRAP, CLASS A1	SQ YD	25	25				
	35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	510	510				
	40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	850	850				
	40300100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1305	1305				
	40600895	CONSTRUCTING TEST STRIP	EACH	1	1				
	40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	70	70				
	40701861	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9"	SQ YD	13035	13035				
	42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	250	250				
	42400430	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, SPECIAL	SQ FT	19630	19630				
	42400800	DETECTABLE WARNINGS	SQ FT	240	240				
	44000100	PAVEMENT REMOVAL	SQ YD	8700	8700				
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1400	1400				
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2290	2290				
	44000600	SIDEWALK REMOVAL	SQ FT	2355	2355				
	48101600	AGGREGATE SHOULDERS, TYPE B 8"	SQ YD	122	122				
	50105210	REMOVE EXISTING CULVERTS	FOOT	30	30				
	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1	1				
	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1	1				
	550A0030	STORM SEWERS, CLASS A, TYPE 1 8"	FOOT	391	391				
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	173	173				
	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	104	104				
	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	208	208				
	550A0110	STORM SEWERS, CLASS A, TYPE 1 21"	FOOT	74	74				
	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	461	461				
	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	305	305				
	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	75	75				
	55100300	STORM SEWER REMOVAL 8"	FOOT	37	37				
	55100400	STORM SEWER REMOVAL 10"	FOOT	14	14				
	55100500	STORM SEWER REMOVAL 12"	FOOT	15	15				
	55100700	STORM SEWER REMOVAL 15"	FOOT	30	30				
*	56103100	DUCTILE IRON WATER MAIN 8"	FOOT	255					255
*	56103200	DUCTILE IRON WATER MAIN 10"	FOOT	65					65
*	56103300	DUCTILE IRON WATER MAIN, 12"	FOOT	2335					2335
*	56106500	ADJUSTING WATER MAIN 10"	FOOT	30					30
*	56108800	TAPPING VALVES AND SLEEVES 6"	EACH	4					4
*	56109000	TAPPING VALVES AND SLEEVES 10"	EACH	4					4
*	56400500	FIRE HYDRANTS TO BE REMOVED	EACH	5					5
*	56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	9					9

* - INDICATES SPECIALTY ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**RATHJE ROAD
ROAD RECONSTRUCTION
SUMMARY OF QUANTITIES**

SCALE: VERT. NA
HORIZ. NA
DATE 09-18-09

DRAWN BY AG
CHECKED BY HLG

F. A. U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4304	04-00045-00-PP	WILL	033	003
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT #63108

SUMMARY OF QUANTITIES					PAVEMENT	MARKINGS	SIGNS	LANDSCAPE	LOCAL AGENCY
S.I.	CODE NO.	PAY ITEM	UNIT	QUAN	CONSTRUCTION TYPE CODE				
					1000-2A	SFTY-1D	Y002-1C	Y003	VILLAGE OF PEOTONE
	60107600	PIPE UNDERDRAINS 4"	FOOT	400	400				
	60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1				
	60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	15	15				
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	9	9				
	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3				
	60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	7	7				
	60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	6	6				
	60248700	VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1					1
	60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	9					9
	60249400	VALVE BOXES 6"	EACH	3					3
	60249600	VALVE BOXES 10"	EACH	3					3
	60250400	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	1	1				
	60255500	MANHOLES TO BE ADJUSTED	EACH	6	6				
	60255700	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, OPEN LID	EACH	1	1				
	60266600	VALVE BOXES TO BE ADJUSTED	EACH	3					3
	60500050	REMOVING CATCH BASINS	EACH	3	3				
	60500060	REMOVING INLETS	EACH	2	2				
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	5610	5610				
	67100100	MOBILIZATION	L SUM	1	1				
	70101800	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1				
	72000100	SIGN PANEL - TYPE 1	SQ FT	63	63				
	72900200	METAL POST - TYPE B	FOOT	130	130				
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	11025		11025			
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	725		725			
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1000		1000			
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	155		155			
	Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	15163	15163				
△	Z0076600	TRAINEES	HOUR	1000	1000				
	XX000610	RELOCATE EXISTING MAILBOX	EACH	36	36				
*	XX000679	CUT AND CAP EXISTING WATER MAIN	EACH	8					8
*	XX002907	WATER SERVICE CONNECTION (SHORT)	EACH	21					21
*	XX006814	WATER SERVICE CONNECTION (LONG)	EACH	23					23
*	XX003032	GATE VALVES, 12"	EACH	8					8
*	XX003037	DUCTILE IRON FITTINGS AND ACCESSORIES	POUND	8850					8850
	XX005369	TRAFFIC CONTROL & PROTECTION FOR TEMPORARY DETOUR	L SUM	1	1				
*	XX000836	PRESSURE TESTING AND DISINFECTION	L SUM	1					1
	X0322033	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	256	256				
	X0322034	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	51	51				
	X0322035	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	FOOT	184	184				
	X0322125	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	FOOT	580	580				
*	XX001776	REMOVE AND ABANDON VALVE BOX	EACH	8					8

△ Y080

* - INDICATES SPECIALTY ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

RATHJE ROAD
ROAD RECONSTRUCTION
SUMMARY OF QUANTITIES

SCALE: VERT. NA
HORIZ. NA
DATE 09-18-09

DRAWN BY AG
CHECKED BY HLG

F. A. U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4304	04-00045-00-FP	WILL.	033	004
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT #63108

1. ANY REFERENCE TO THE STANDARD SPECIFICATIONS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2007.
2. ITEMS OF WORK LISTED IN THE SUMMARY OF QUANTITIES WHICH ARE NOT SPECIFICALLY INDICATED IN THE PLANS SHALL BE PERFORMED AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. THE TOP OF ALL STRUCTURES SHALL BE FLUSH WITH THE ADJACENT SURFACE OR AT THE INDICATED ELEVATIONS SHOWN ON THE PLANS.
4. FRAME ELEVATIONS ARE GIVEN ONLY TO ASSIST IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL NEW STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE COST.
5. WHEN, IN THE CONSTRUCTION OPERATION, ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR OTHER DRAINAGE STRUCTURES SO THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH DAY BY THE CONTRACTOR AT HIS EXPENSE. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE FROM ALL DIRT AND DEBRIS. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
6. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS OR CATCH BASINS. HE SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS & SEWERS AND DISCHARGE SAME. HE SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET, AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY SEWER CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH SEWERS ARE BUILT AND IN SERVICE. THIS WORK SHALL NOT BE PAID FOR DIRECTLY, BUT WILL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
7. THE CAST IRON FRAMES AND COVERS OF FILLED, ABANDONED OR REMOVED MANHOLES, INLETS AND CATCH BASINS OR THOSE FRAMES AND COVERS UPON STRUCTURES RECEIVING NEW FRAMES AND COVERS SHALL BE STOCKPILED WITHIN THE RIGHT-OF-WAY, AS DIRECTED BY THE ENGINEER, AND PICKED UP BY THE VILLAGE.
8. THE APPROXIMATE LOCATION OF KNOWN PUBLIC UTILITIES ARE SHOWN ON THE PLANS. HOWEVER, THE DEPARTMENT DOES NOT GUARANTEE ITS ACCURACY. PRIOR TO COMMENCING OPERATIONS ON THE PROJECT WHICH MAY IN ANY WAY CREATE THE POSSIBILITY OF INVOLVEMENT WITH EXISTING UTILITIES, THE CONTRACTOR SHALL CONTACT THE FIRM (OR COMMUNITY) INVOLVED. ADJUSTMENT OF ALL PUBLIC UTILITIES WITHIN THE LIMITS OF THIS IMPROVEMENT WILL BE DONE BY THE RESPECTIVE OWNERS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO DELAYS OR INCONVENIENCE CAUSED BY THESE ADJUSTMENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS OF UNDERGROUND INSTALLATION BEFORE STARTING CONSTRUCTION OPERATIONS.
9. ALL TRENCHES WITHIN 2 FEET OF PROPOSED PAVEMENT, DRIVEWAYS, AND SIDEWALKS SHALL BE BACKFILLED WITH TRENCH BACKFILL ONLY.
10. THE CONTRACTOR SHALL PROTECT ALL TREES WITHIN AND ADJACENT TO THE CONSTRUCTION SITE DURING THE CLEARING AND SUBSEQUENT CONSTRUCTION OPERATIONS IN ACCORDANCE WITH SECTION 201 OF THE STANDARD SPECIFICATIONS. THOSE TREES TO BE REMOVED AS SHOWN IN THE PLANS SHALL BE DONE IN ACCORDANCE WITH SECTION 201 AND 202 OF THE STANDARD SPECIFICATIONS.
11. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED).
12. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON VILLAGE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE VILLAGE.
13. ALL STORM SEWERS FOR THIS PROJECT SHALL BE FURNISHED AND INSTALLED WITH RUBBER GASKETS IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR STORM SEWERS AS SPECIFIED.
14. ALL HMA PAVING SHALL FOLLOW DESIGNATED DRIVING LANES AS SHOWN IN STRIPING DETAILS. NO LONGITUDINAL PAVING JOINT OR SEAMS ARE ALLOWED WITHIN THE DRIVING LANES. ALL LONGITUDINAL PAVING JOINTS OR SEAMS WILL BE BETWEEN THE DRIVING LANES.
15. POROUS GRANULAR EMBANKMENT, SUBGRADE HAS BEEN PROVIDED FOR LOCATIONS WHERE SOILS TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGE WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER (BY USE OF A CONE PENETROMETER IN CONJUNCTION WITH THE IDOT SUBGRADE STABILITY MANUAL). IF UNSTABLE AND/OR UNSUITABLE MATERIALS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
16. ALL PAVEMENT, CURB AND SIDEWALK REMOVALS SHALL BE MADE BY MEANS OF STRAIGHT SAW CUT JOINT. THE COST FOR SAW CUTTING SHALL BE INCIDENTAL TO THE CONTRACT.
17. ONLY THE BITUMINOUS PORTION OF PAVEMENT THAT IS REMOVED SHALL BE PAID FOR UNDER "PAVEMENT REMOVAL." THE AGGREGATE BASE AND/OR SUB-BASE THAT IS REMOVED WILL BE PAID FOR UNDER "EARTH EXCAVATION."

18. CONTRACTOR SHALL BE RESPONSIBLE AT ALL TIMES FOR TRAFFIC CONTROL AND PROTECTION IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS ADOPTED JANUARY 1, 2007, THE LATEST EDITION OF THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, AND THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
19. 10' TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER TO EXISTING CURB AND GUTTER, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF WORK SPECIFIED.
20. ALL STORM SEWERS, UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE STATE SPECIFICATIONS FOR REINFORCED CONCRETE CULVERT, STORM DRAIN AND SEWER PIPE A.A.S.H.T.O. DESIGNATION M170 (A.S.T.M. DESIGNATION C76), (CLASS I AND II)
21. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAYS THROUGHOUT THE RECONSTRUCTION LIMITS AT ALL TIMES. IF DRIVEWAY ACCESS MUST BE RESTRICTED, THE CONTRACTOR SHALL NOTIFY THE RESIDENT IN WRITING 24 HOURS IN ADVANCE
22. WATER SERVICE CONNECTIONS (SHORT) AND (LONG) SHALL BE INSTALLED AS DIRECTED IN THE FIELD, AND SHALL BE REPLACED FROM THE MAIN TO THE PROPOSED B-BOX.
23. BOTH THE ROBINSON ENGINEERING, LTD. FIELD OFFICE (708-331-6700) AND THE VILLAGE OF PEOTONE PUBLIC WORKS DEPARTMENT (708-258-3279) SHALL BE NOTIFIED TWO (2) WORKING DAYS BEFORE CONSTRUCTION BEGINS.
24. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING EXISTING WATER MAIN AND SERVICES DURING CONSTRUCTION OF THE PROPOSED REPLACEMENT WATER MAIN. WATER AND SEWER SERVICES UNNECESSARILY DAMAGED SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
25. THE VILLAGE OF PEOTONE PUBLIC WORKS DEPARTMENT (708-258-3279) SHALL BE NOTIFIED PRIOR TO THE OPENING OR CLOSING OF ALL WATER VALVES FIRE HYDRANTS, AND/OR OTHER WATER SYSTEM APPURTENANCES. PEOTONE PUBLIC WORKS SHALL BE NOTIFIED BEFORE ANY OF THIS WORK BEGINS.
26. THE TOP OF ALL VALVE BOXES SHALL BE FLUSH WITH THE ADJACENT SURFACE.
27. NO MATERIALS SHALL BE STORED WITHIN THE PUBLIC RIGHT-OF-WAY WITHOUT PERMISSION FROM THE VILLAGE OF PEOTONE.
28. THE CONSTRUCTION OF THE WATER MAIN SHALL BE PERFORMED IN ACCORDANCE WITH THE SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, 5TH EDITION, MAY 1996.
29. WATER MAIN: PIPE SHALL BE DUCTILE IRON MANUFACTURED IN ACCORDANCE WITH THE REQUIREMENTS OF ANSI/AWWA C151/A21.51. PIPE JOINTS SHALL BE PUSH-ON TYTON JOINT IN ACCORDANCE WITH ANSI/AWWA C151/A21.51. PIPE THICKNESS SHALL BE CLASS 52 DESIGNED IN ACCORDANCE WITH ANSI/AWWA C150/A21.50. ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE WRAPPED WITH 8MIL POLYWRAP
30. WATER MAIN FITTING: FITTINGS 3" THRU 16" SHALL BE MACHANICAL JOINT SSB DUCTILE IRON AND SHALL BE PRODUCED IN ACCORDANCE WITH ANSI/AWWA C153/A21.53 AND ANSI/AWWA C111/A21.11. FITTINGS SHALL BE CEMENT LINED AND SEAL COATED IN ACCORDANCE WITH ANSI/AWWA C104/A21.1. ALL FITTINGS SHALL BE MANUFACTURED IN NORTH AMERICA.
31. MECHANICAL JOINT RESTRAINTS: RESTRAINTS SHALL BE SERIES 1100 MEGULUG RESTRAINT AS PRODUCED BY EBBA IRON, INC. OR TYLER/UNION DUCTILE IRON RETAINER GLAND OR AN APPROVED EQUAL. ALL MECHANICAL JOINTS SHALL BE RESTRAINED UNLESS OTHERWISE NOTED.
32. GATE VALVES: VALVES 4" THRU 12" SHALL BE MUELLER A2360-20 MECHANICAL JOINT RESILIENT WEDGE GATE VALVES OR EQUAL. VALVES SHALL HAVE 2" SQUARE OPERATING NUT AND OPEN LEFT. VALVES SHALL BE UL LISTED, FM APPROVED AND COMPLY WITH AWWA C509.
33. FIRE HYDRANTS: HYDRANTS SHALL BE MEULLER A-423 SUPER CENTURION 250 WITH A 6" AQUAGRIP JOINT SHOE EACH HYDRANT SHALL HAVE ONE(1) 4" INTEGRAL STORZ CONNECTION AND TWO(2) 2-1/2" NST HOSE NOZZLES. HYDRANTS SHALL BE UL LISTED, FM APPROVED AND COMPLY WITH AWWA C502. THE HYDRANT AUXILIARY VALVE SHALL BE AQUAGRIP JOINT AND BE USED IN CONJUNCTION WITH TWO(2) 6" X 1" PIECES OF CLASS 52 DUCTILE IRON PIPE. ONE PIECE SHALL BE PLACED BETWEEN THE HYDRANT AND AUXILIARY VALVE AND THE OTHER PIECE PLACED BETWEEN THE AUXILIARY VALVE AND THE HYDRANT TEE(IF POSSIBLE).
34. VALVE BOXES: BOXES SHALL BE TYLER 664S 5-1/4" SCREW TYPE TWO PIECE CAST IRON VALVE BOX OR APPROVED EQUAL. VALVE BOXES SHALL BE MADE IN NORTH AMERICA ONLY.
35. TAPPING SLEEVES: SLEEVES SHALL BE MUELLER H615 CAST IRON MECHANICAL JOINT OR SMITH BLAIR 665 ALL STAINLESS STEEL OR APPROVED EQUAL.
36. TAPPING VALVES: VALVES SHALL BE MUELLER A2360-16 FLANGE X MECHANICAL JOINT RESILIENT WEDGE GATE VALVE OR EQUAL. VALVES SHALL HAVE 2" SQUARE OPERATING NUT AND OPEN LEFT. VALVES SHALL BE UL LISTED, FM APPROVED AND COMPLY WITH AWWA C509.
37. WATER SERVICE PIPE: 1" THRU 2" PIPE SHALL BE TYPE K COPPER TUBING.
38. WATER SERVICE FITTINGS:
CORPORATION STOPS 1" SHALL BE MUELLER H15008 OR AYMCDONALD 470T.
CURB STOPS 1" SHALL BE MUELLER H15155. SERVICE BOXES FOR 1" CURB STOPS SHALL BE MUELLER H10302 OR AY MCDONALD 5623 ADJUSTABLE SERVICE BOX.
CORPORATION STOPS 1-1/2" AND 2" SHALL BE MUELLER H15013 OR AYMCDONALD 4701T. CURB STOPS 1-1/2" AND 2" SHALL BE MUELLER H15154. SERVICE BOXES FOR 1-1/2" AND 2" CURB STOPS SHALL BE MUELLER H10302 OR AY MCDONLD 5623 ADJUSTABLE SERVICE BOX WITH A MUELLER H10344 ENLARGED BASE. SERVICE SADDLES FOR 1-1/2" AND 2" CORPORATION STOPS SHALL BE SMITH BLAIR MODEL 317 EPOXY COATED DUCTILE IRON BODY WITH STAINLESS STEEL STRAPS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

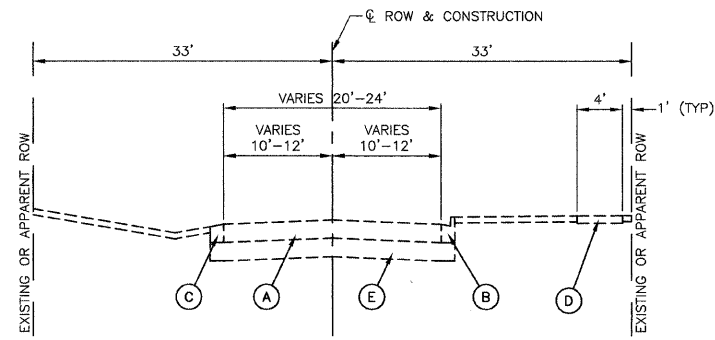
**RATHJE ROAD RECONSTRUCTION
GENERAL NOTES**

SCALE: VERT. NA
HORIZ. NA
DATE 09-18-09

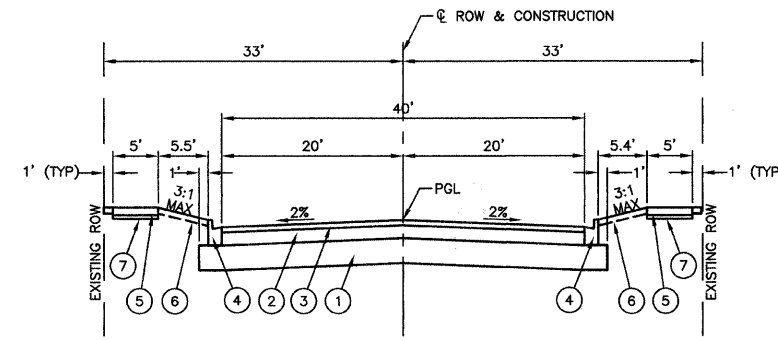
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CHECKED BY HLG

F. A. U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4304	04-00045-00-FP	WILL	033	005
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT #63108



EXISTING TYPICAL CROSS SECTION



PROPOSED TYPICAL CROSS SECTION

STA 0+19 TO STA 27+50

EXISTING LEGEND

- (A) BITUMINOUS PAVEMENT (2"-4")
- (B) M-6.12 CURB AND GUTTER
- (C) INTERMITTENT GRAVEL SHOULDER
- (D) CONCRETE SIDEWALK
- (E) AGGREGATE SUB-BASE (10"-14")

PROPOSED LEGEND

- (1) AGGREGATE SUBGRADE - 12"
- (2) HOT MIX ASPHALT BASE COURSE, (HMA BINDER IL-19, N50) - 7"
- (3) HOT MIX ASPHALT SURFACE COURSE, MIX D, N50 - 2"
- (4) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (5) P.C.C. SIDEWALK - 5" (6" THRU DRIVEWAYS) - REFER TO PLANS FOR LOCATIONS
- (6) TOPSOIL, 6" AND SODDING SALT TOLERANT (SPECIAL)
- (7) AGGREGATE BASE, 3" (INCIDENTAL TO PCC SIDEWALK)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AC TYPE	AIR VOIDS
FULL DEPTH PAVEMENT, 9"		
HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50; (IL 9.5mm), 2"	PG 64-22	4% AT 50 Gyr
HOT-MIX ASPHALT BASE COURSE, (HMA BINDER IL-19mm), 7"	PG 64-22 *	4% AT 50 Gyr.
DRIVEWAYS		
HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50 (IL 9.5mm)	PG 64-22	4% AT 50 Gyr
HOT-MIX ASPHALT BASE COURSE, (HMA BINDER IL-19mm)	PG 64-22 *	4% AT 50 Gyr

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 lbs/sq yd/ in.
 *WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22

REVISIONS	
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ILLINOIS DEPARTMENT OF TRANSPORTATION

**RATHJE ROAD
ROAD RECONSTRUCTION
TYPICAL CROSS SECTIONS**

SCALE: VERT. NA
 HORIZ. NA
 DATE 09-18-09

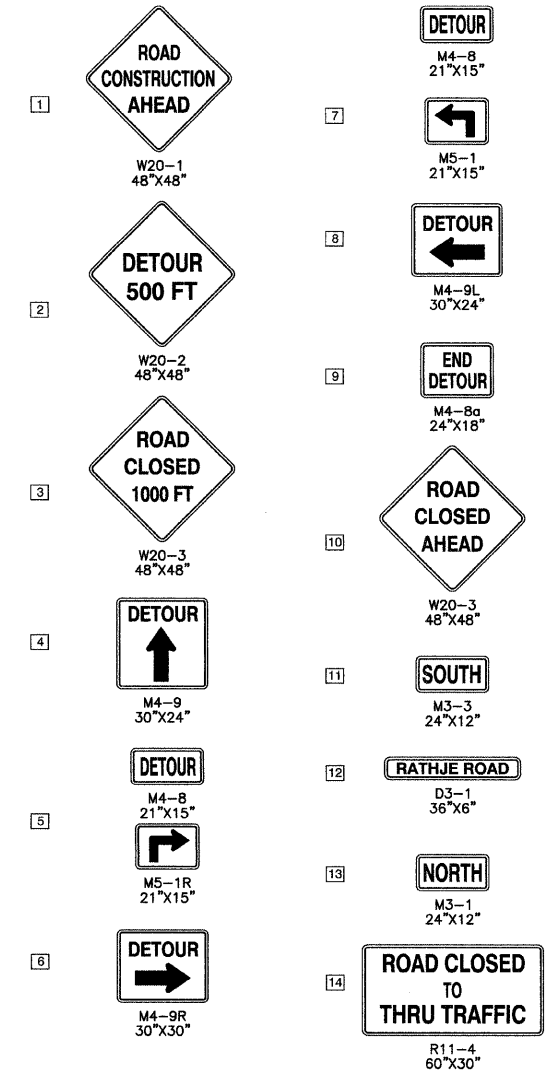
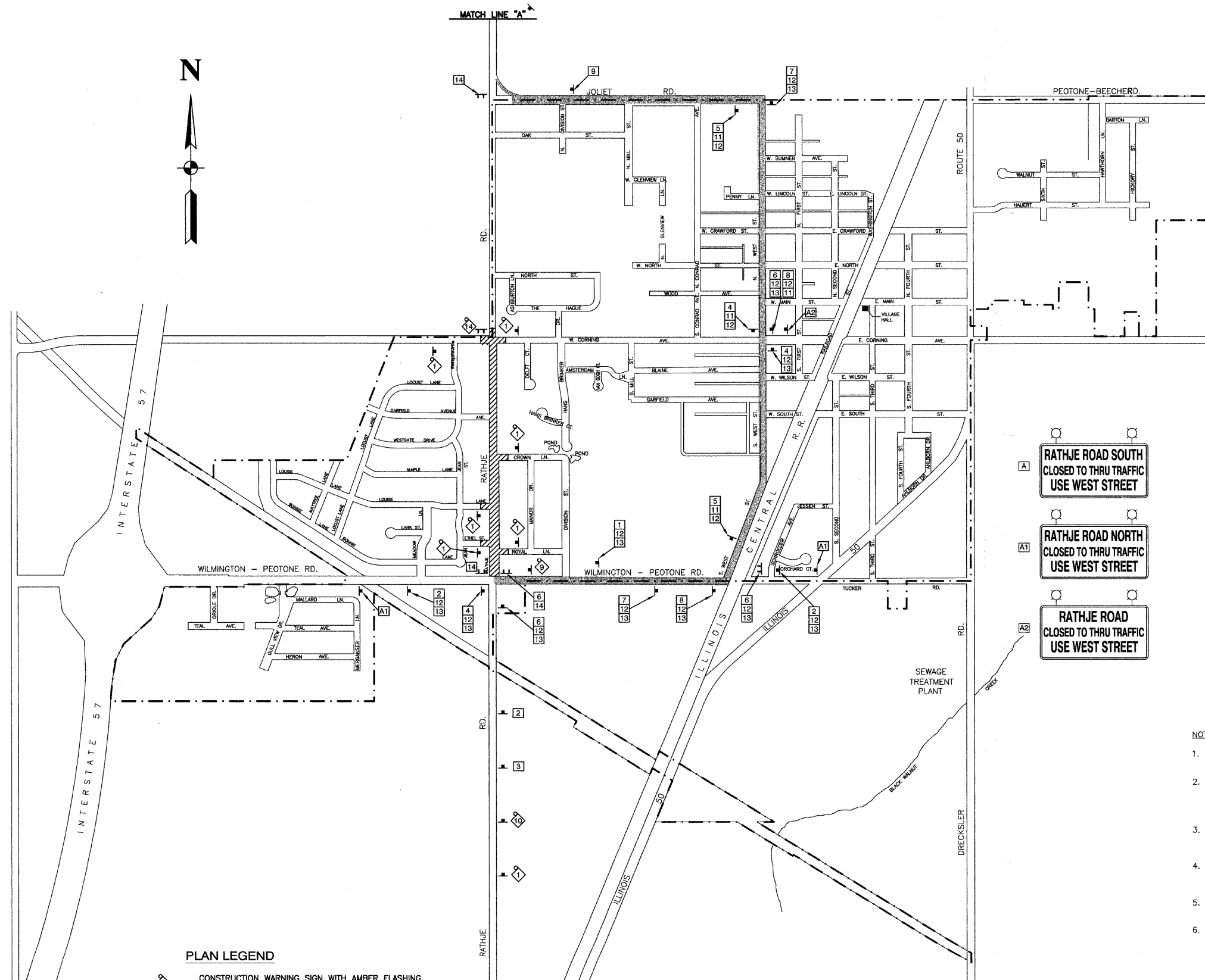
DRAWN BY AG
 CHECKED BY HLG

ROBINSON ENGINEERING, LTD.
 17000 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473
 (708) 381-8700 FAX (708) 381-2828
 ILLINOIS DESIGN FIRM REGISTRATION NO. 156001.150

05025_04-TYPK-01

F. A. U. REC.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4304	04-00045-00-FP	WILL.	033	006
STA. TO STA.		FED. ROAD DIST. NO.		
		ILLINOIS FED. AID PROJECT		

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RATHJE ROAD SOUTH
CLOSED TO THRU TRAFFIC
USE WEST STREET

RATHJE ROAD NORTH
CLOSED TO THRU TRAFFIC
USE WEST STREET

RATHJE ROAD
CLOSED TO THRU TRAFFIC
USE WEST STREET

- NOTES:
1. ADVANCED CLOSURE SIGNS (CMS) SHALL BE ERECTED AT LEAST 10 DAYS PRIOR TO THE CLOSURE.
 2. ADDITIONAL CONSTRUCTION WARNING SIGN MAY BE REQUIRED (WHICH ARE NOT SHOWN IN THIS PLAN) AND SHALL BE PROVIDED AS PER THE INSTRUCTION OF THE ENGINEER IN CHARGE. THE COST INCURRED TO COMPLY WILL NOT BE PAID FOR SEPARATELY BUT INCLUDED IN THE ITEM "TRAFFIC PROTECTION."
 3. ALL SIGNS, BARRICADES, SIGN'S LIGHTS AND FLAGS SHALL BE IN ACCORDANCE WITH THOSE INDICATED IN TRAFFIC CONTROL STANDARDS OF MUTCD AND STANDARD SPECIFICATIONS.
 4. THE VILLAGE OF PEOTONE AND THE KANKAKEE COUNTY HIGHWAY DEPARTMENT SHALL BE NOTIFIED (2) WEEKS IN ADVANCE PRIOR TO THE OPERATION OF THIS DETOUR ROUTE FOR THE SUBJECT CONSTRUCTION.
 5. SPACING OF DETOUR SIGNS AND MAINTENANCE OF TRAFFIC STANDARDS SHALL BE PER THE MUTCD, PART 6.
 6. ACCESS THRU CORNING AVENUE SHALL BE MAINTAINED AT ALL TIMES.

PLAN LEGEND

	CONSTRUCTION WARNING SIGN WITH AMBER FLASHING LIGHT & ORANGE WARNING FLAG
	SUGGESTED DETOUR ROUTE
	CONSTRUCTION AREA DURING DETOUR
	TYPE III BARRICADE WITH STEADY BURNING LIGHT
	SIGN

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**RATHJE ROAD
ROAD RECONSTRUCTION
DETOUR PLAN**

SCALE: VERT. NA
HORIZ. NA
DATE 09-18-09

DRAWN BY AG
CHECKED BY HLG

F. A. U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4304	04-00045-00-FP	WILL	033	007
STA.		TO STA.		
FED. ROAD DIST. NO.		FED. AID PROJECT		

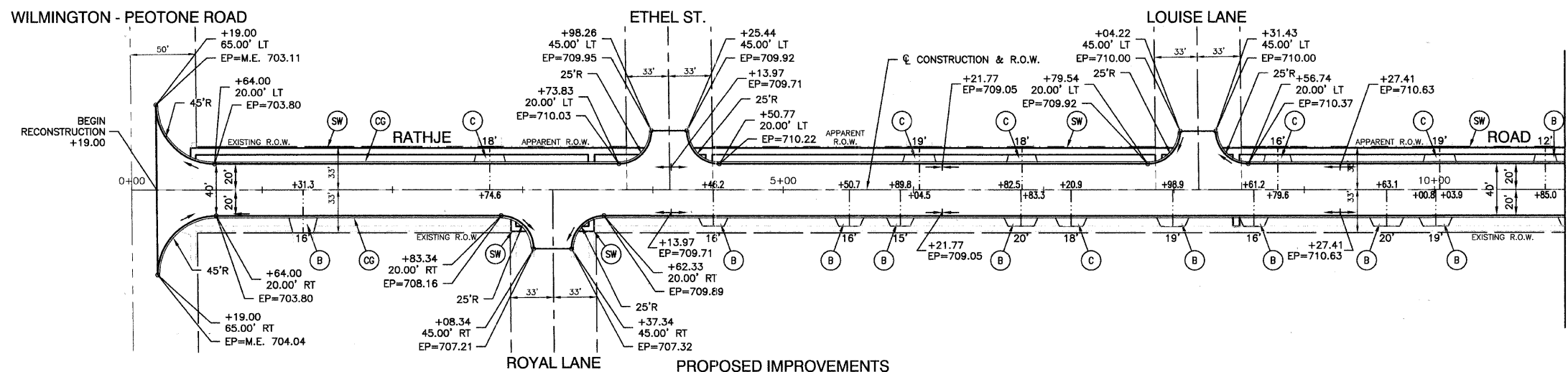
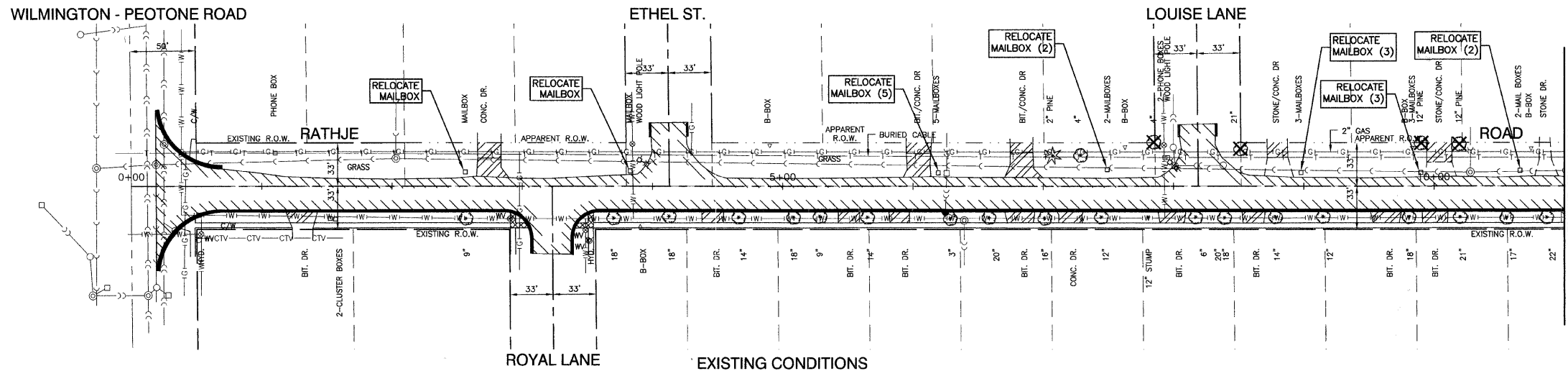
CONTRACT #63108



LEGEND

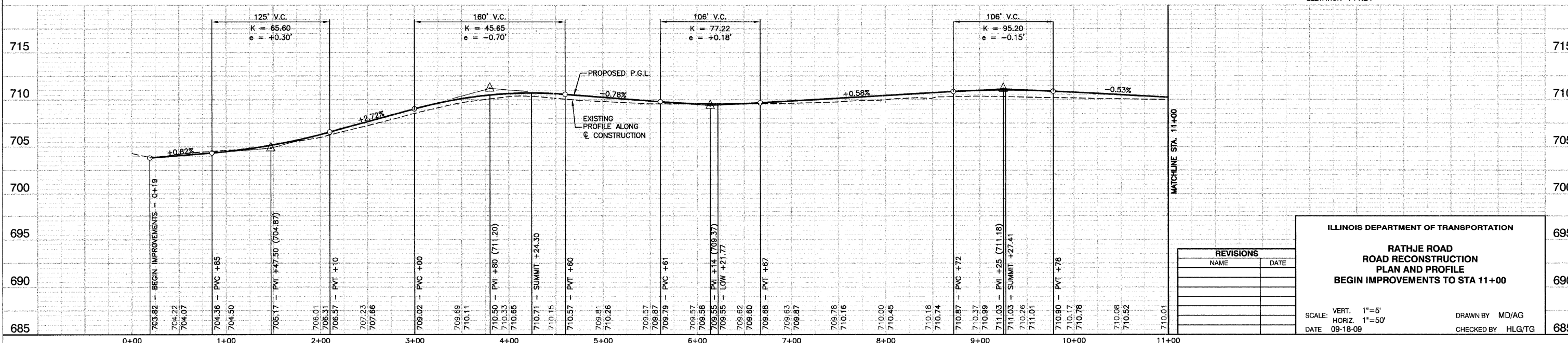
- TREE TO BE REMOVED
- CONC. CURB AND GUTTER REMOVAL
- HMA PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- P.C.C. SIDEWALK (5" CONC, 3" AGG BASE - INCIDENTAL TO PCC SIDEWALK)
- P.C.C. DRIVEWAY, 6"
- HMA DRIVEWAY
- CURB & GUTTER TYPE B-6.12

- NOTE:
- P.C.C. SIDEWALK SHALL BE 6" THICK THRU ALL DRIVEWAYS.
 - ALL P.C.C. SIDEWALK SHALL BE 5' WIDE EXCEPT WHERE SHOWN ON PLANS.
 - ALL CURB RAMP FOR SIDEWALK SHALL INCLUDE DETECTABLE WARNINGS AND DEPRESSED CURB PER CURRENT HIGHWAY STANDARDS.
 - OFFSETS ARE NOTED FROM CL OF CONSTRUCTION.
 - RESIDENTIAL DRIVEWAYS HAVE 3' FLARE UNLESS OTHERWISE NOTED.



BENCH MARK:

BENCH MARK #26
R.R. SPIKE IN SOUTH FACE OF POWER POLE, 1ST PP
EAST OF RATHJE RD., NORTH SIDE CORNING AVE.
ELEVATION=711.24



ILLINOIS DEPARTMENT OF TRANSPORTATION

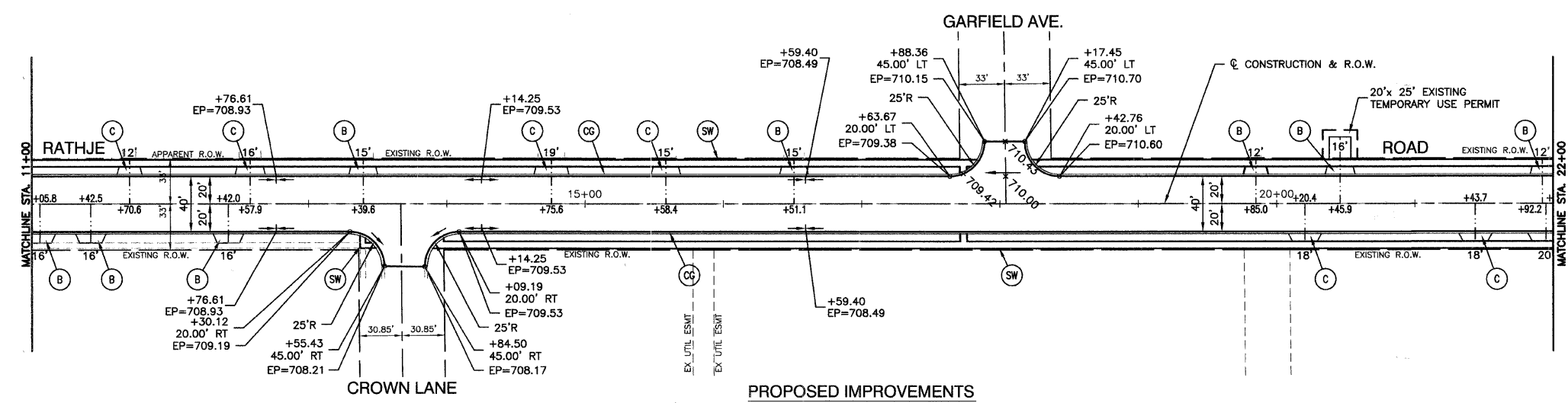
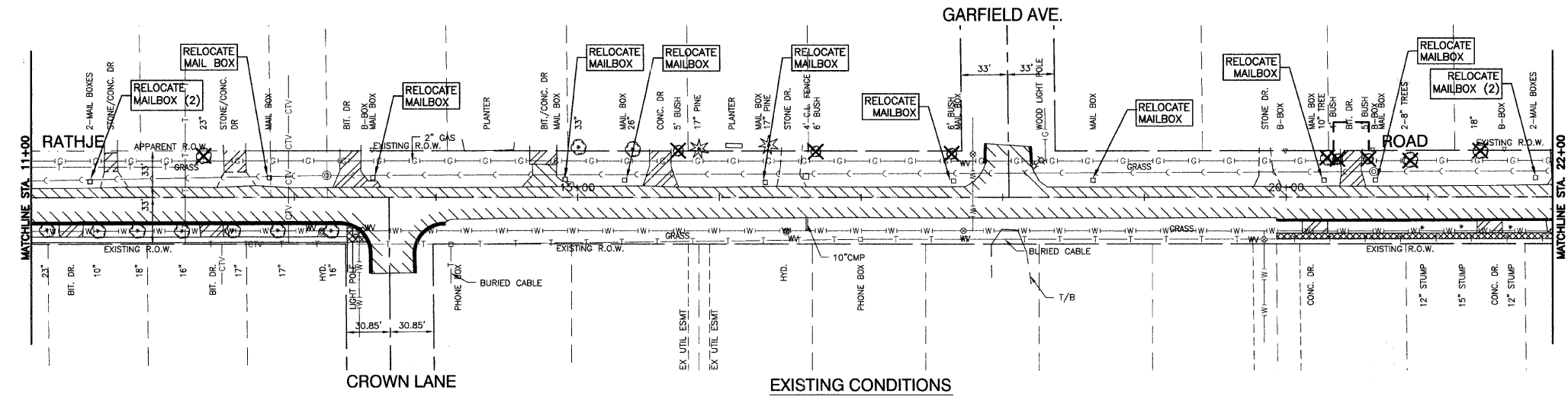
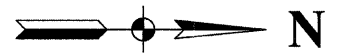
**RATHJE ROAD
ROAD RECONSTRUCTION
PLAN AND PROFILE
BEGIN IMPROVEMENTS TO STA 11+00**

SCALE: VERT. 1"=5'
HORIZ. 1"=50'
DATE 09-18-09

DRAWN BY MD/AG
CHECKED BY HLG/TG

F. A. U. SHEET	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4304	04-00045-00-FP	WILL	033	008
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

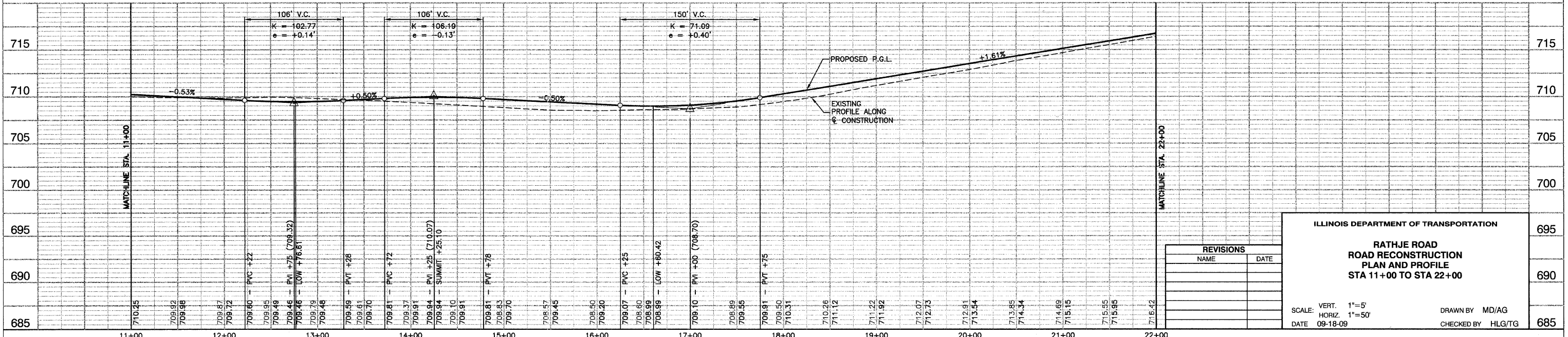
CONTRACT #63108



- LEGEND**
- TREE TO BE REMOVED
 - CONC. CURB AND GUTTER REMOVAL
 - HMA PAVEMENT REMOVAL
 - SIDEWALK REMOVAL
 - DRIVEWAY PAVEMENT REMOVAL
 - P.C.C. SIDEWALK (5" CONC, 3" AGG BASE - INCIDENTAL TO PCC SIDEWALK)
 - P.C.C. DRIVEWAY, 6"
 - HMA DRIVEWAY
 - CURB & GUTTER TYPE B-6.12

- NOTE:**
1. P.C.C. SIDEWALK SHALL BE 6" THICK THRU ALL DRIVEWAYS.
 2. ALL P.C.C. SIDEWALK SHALL BE 5' WIDE EXCEPT WHERE SHOWN ON PLANS.
 3. ALL CURB RAMP FOR SIDEWALK SHALL INCLUDE DETECTABLE WARNINGS AND DEPRESSED CURB PER CURRENT HIGHWAY STANDARDS.
 4. OFFSETS ARE NOTED FROM CL OF CONSTRUCTION.
 5. RESIDENTIAL DRIVEWAYS HAVE 3' FLARE UNLESS OTHERWISE NOTED.

BENCH MARK:
 BENCH MARK #26
 R.R. SPIKE IN SOUTH FACE OF POWER POLE, 1ST PP
 EAST OF RATHJE RD., NORTH SIDE CORNING AVE.
 ELEVATION=711.24



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

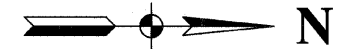
RATHJE ROAD RECONSTRUCTION PLAN AND PROFILE STA 11+00 TO STA 22+00

SCALE: VERT. 1"=5'
 HORIZ. 1"=50'
 DATE 09-18-09

DRAWN BY MD/AG
 CHECKED BY HLG/TG

F. A. U. SHEET	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4304	04-00045-00-FP	WILL.	033	009
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT #63108



LEGEND

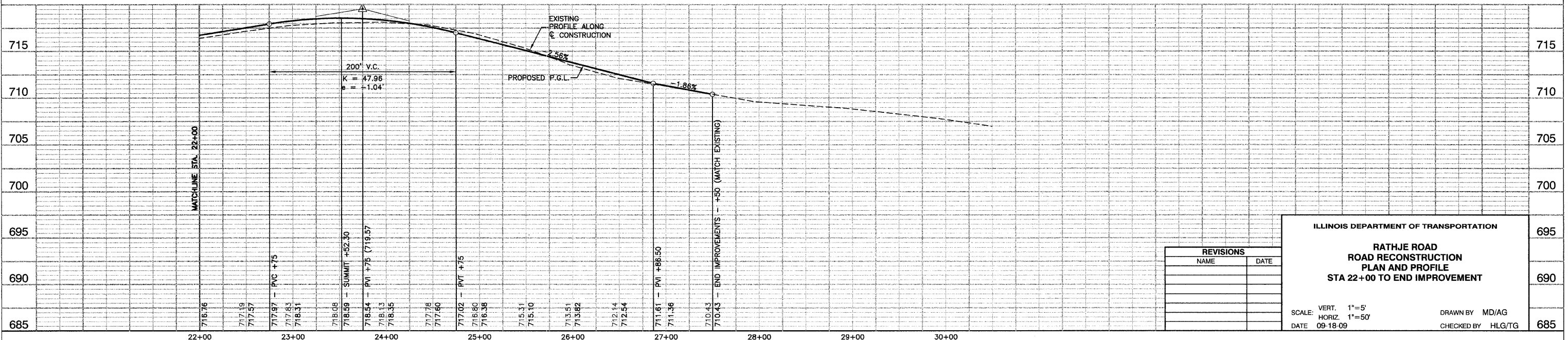
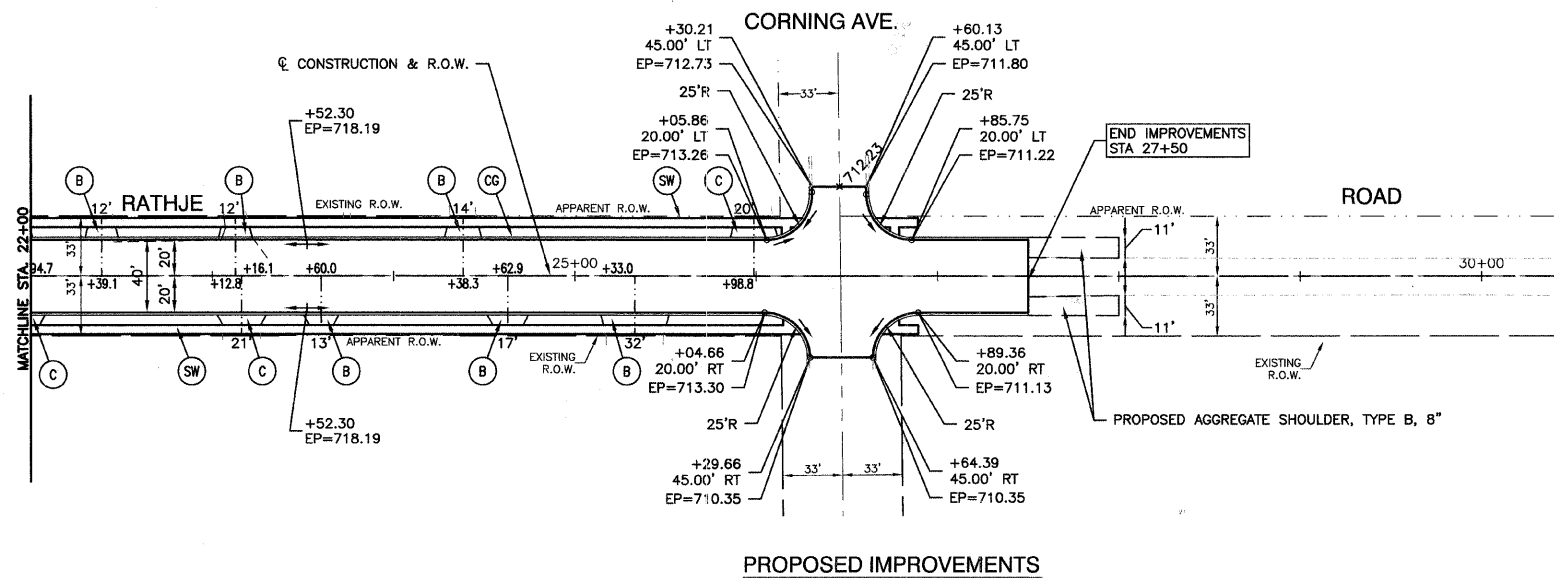
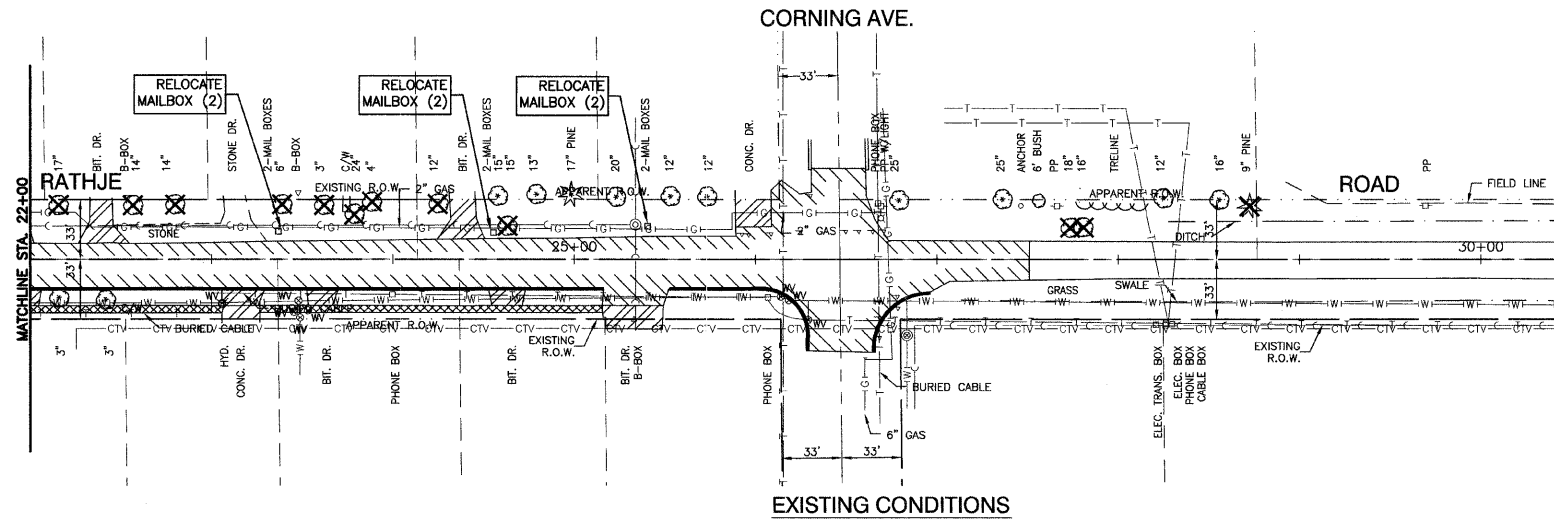
- TREE TO BE REMOVED
- CONC. CURB AND GUTTER REMOVAL
- HMA PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- P.C.C. SIDEWALK (5" CONC, 3" AGG BASE - INCIDENTAL TO PCC SIDEWALK)
- P.C.C. DRIVEWAY, 6"
- HMA DRIVEWAY
- CURB & GUTTER TYPE B-6.12

NOTE:

1. P.C.C. SIDEWALK SHALL BE 6" THICK THRU ALL DRIVEWAYS.
2. ALL P.C.C. SIDEWALK SHALL BE 5' WIDE EXCEPT WHERE SHOWN ON PLANS.
3. ALL CURB RAMP FOR SIDEWALK SHALL INCLUDE DETECTABLE WARNINGS AND DEPRESSED CURB PER CURRENT HIGHWAY STANDARDS.
4. OFFSETS ARE NOTED FROM CL OF CONSTRUCTION.
5. RESIDENTIAL DRIVEWAYS HAVE 3' FLARE UNLESS OTHERWISE NOTED.

BENCH MARK:

BENCH MARK #26
R.R. SPIKE IN SOUTH FACE OF POWER POLE, 1ST PP
EAST OF RATHJE RD., NORTH SIDE CORNING AVE.
ELEVATION=711.24



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

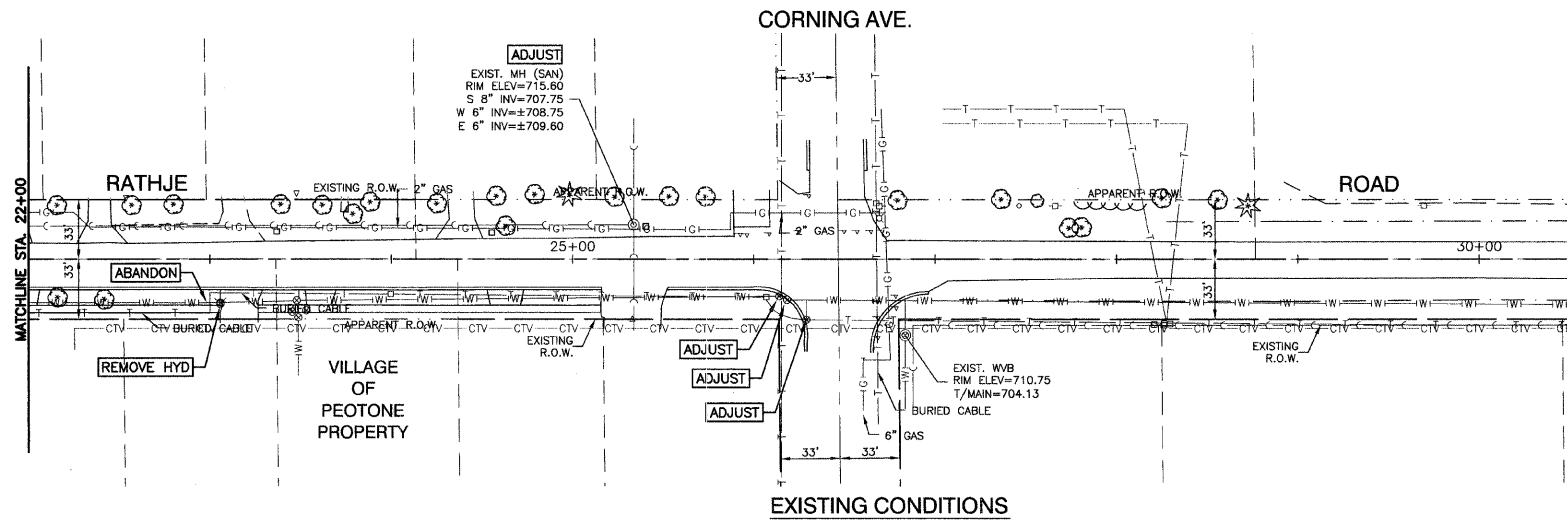
**RATHJE ROAD
ROAD RECONSTRUCTION
PLAN AND PROFILE
STA 22+00 TO END IMPROVEMENT**

SCALE: VERT. 1"=5'
HORIZ. 1"=50'
DATE 09-18-09

DRAWN BY MD/AG
CHECKED BY HLG/TG

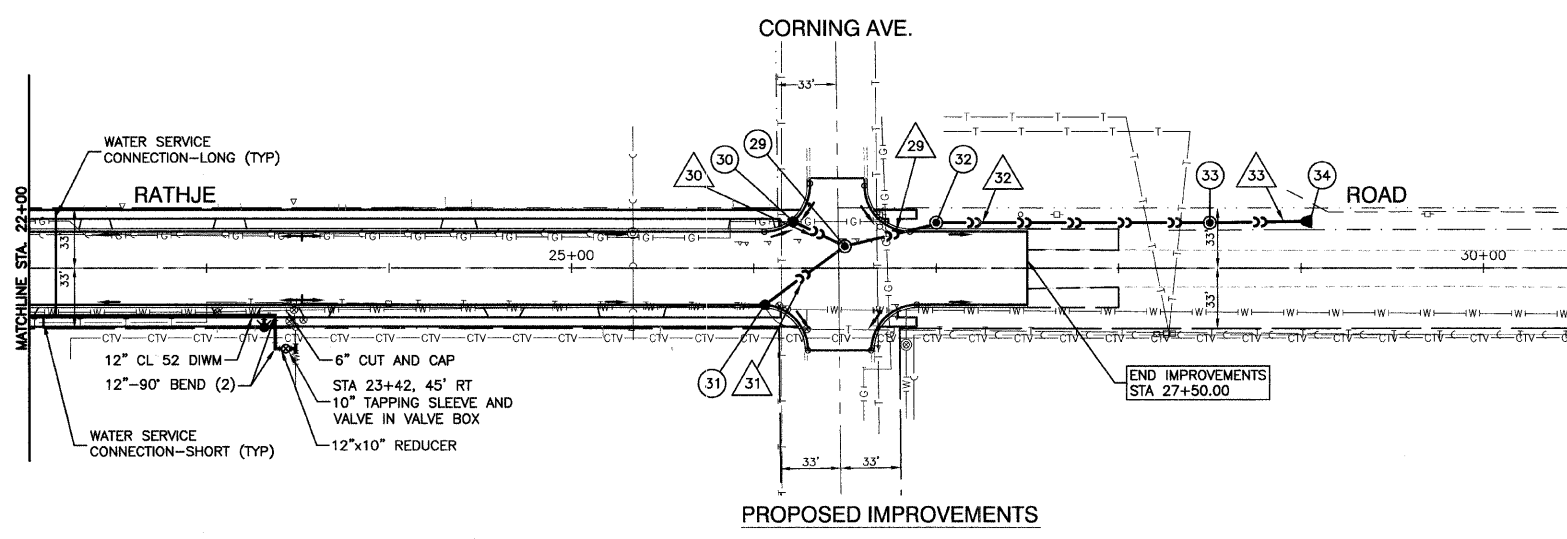
P. A. U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4304	04-00045-00-FP	WILL	033	012
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT #63108

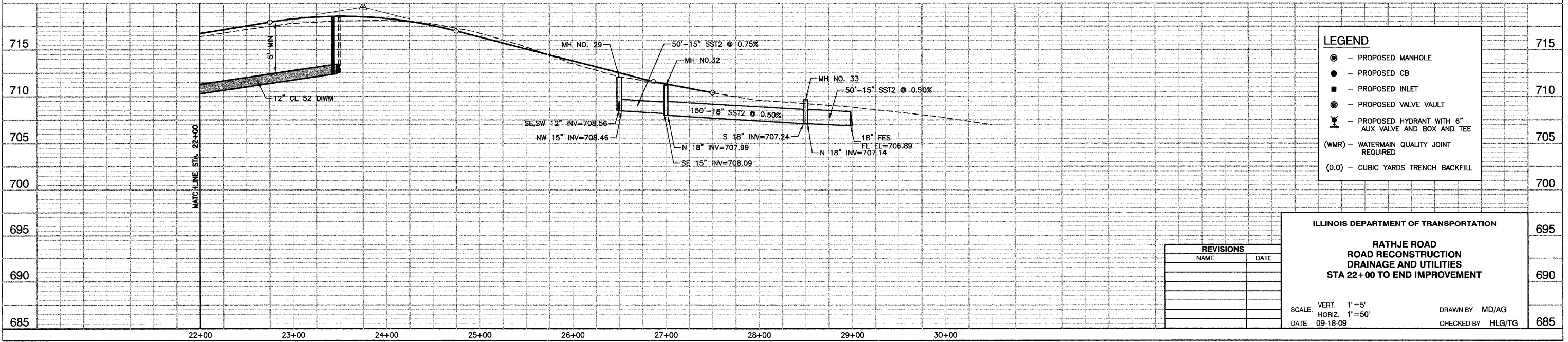


29	STA 26+50, 12' LT MH TA 4' DIA T1F & CL RIM EL=712.10 NW 15" INV=708.46 SE 12" INV=708.56 SW 12" INV=708.56	32	STA 27+00, 25' LT MH TA 4' DIA T1F & CL RIM EL=711.20 N 18" INV=707.99 SE 15" INV=708.09
30	STA 26+21.75, 25.59' LT CB TA T11 F&G RIM EL=712.54 NE 12" INV=709.24	33	STA 28+50, 25' LT MH TA 4' DIA T1F & CL RIM EL=707.54 N 18" INV=707.14 S 18" INV=707.24
31	STA 26+06.06, 20' RT CB TA T11 F&G RIM EL=713.07 NW 12" INV=709.52	34	STA 29+00, 25.70' LT 18" FES FL EL=706.89

29	50'-15" SST1 @ 0.75% (6.3)
30	32'-12" SST1 @ 2.13% (4.5)
31	55'-12" SST1 @ 1.75% (8.5)
32	150'-18" SST1 @ 0.50%
33	50'-18" SST1 @ 0.50%



BENCH MARK:
 BENCH MARK #26
 R.R. SPIKE IN SOUTH FACE OF POWER POLE, 1ST PP
 EAST OF RATHJE RD., NORTH SIDE CORNING AVE.
 ELEVATION=711.24



LEGEND

- ⊙ - PROPOSED MANHOLE
- - PROPOSED CB
- - PROPOSED INLET
- ⊕ - PROPOSED VALVE VAULT
- ⚡ - PROPOSED HYDRANT WITH 6" AUX VALVE AND BOX AND TEE
- (W/M) - WATERMAIN QUALITY JOINT REQUIRED
- (0.0) - CUBIC YARDS TRENCH BACKFILL

REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

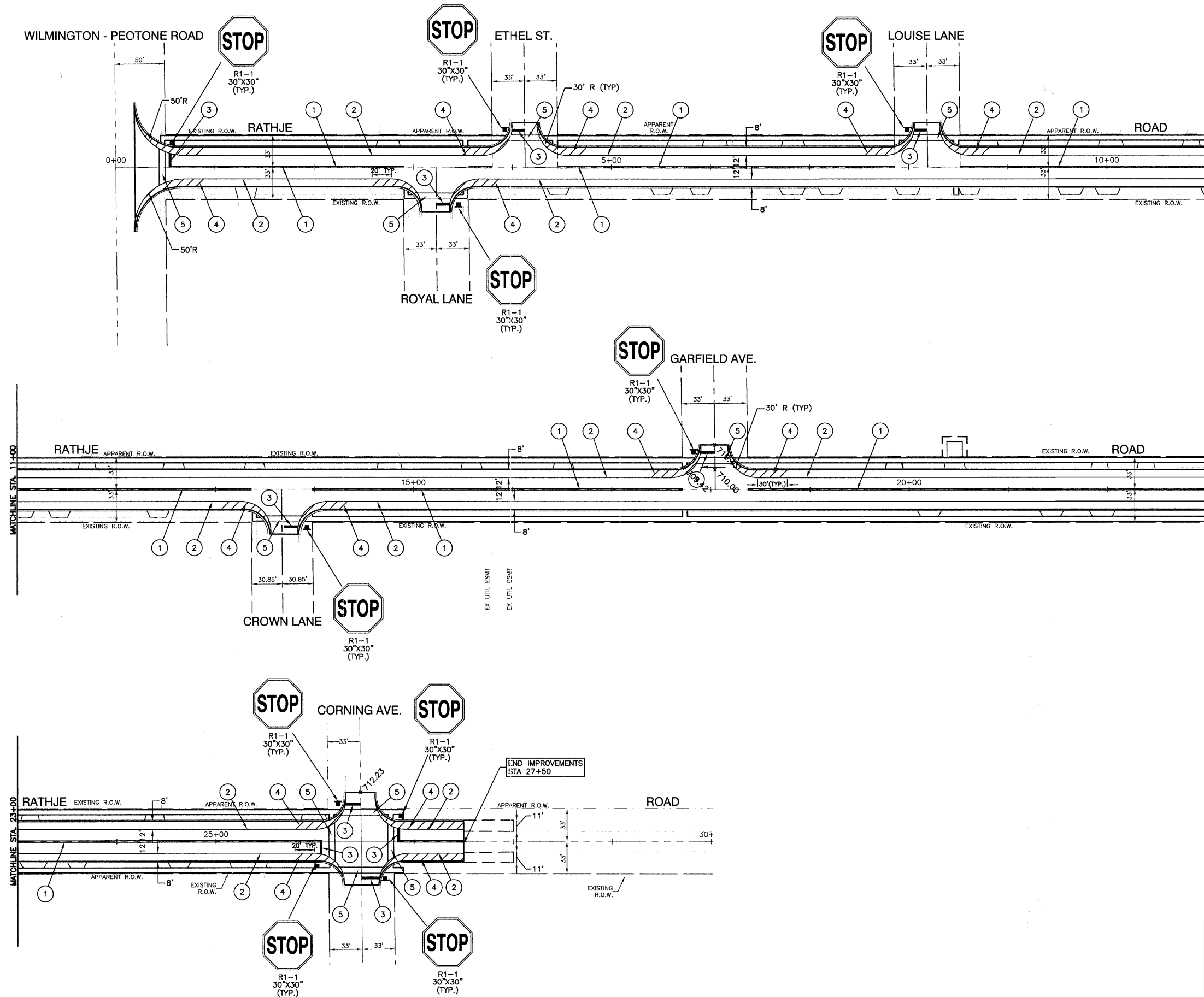
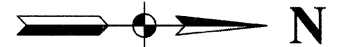
**RATHJE ROAD
 ROAD RECONSTRUCTION
 DRAINAGE AND UTILITIES
 STA 22+00 TO END IMPROVEMENT**

SCALE: VERT. 1"=5'
 HORIZ. 1"=50'
 DATE 09-18-09

DRAWN BY MD/AG
 CHECKED BY HLG/TG

F. A. U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4304	04-00045-00-FP	WILL	033	013
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT #63108



LEGEND

- ① 4" DOUBLE YELLOW CENTERLINE (11" C/C)
- ② 4" WHITE EDGE LINE
- ③ 24" WHITE STOP BAR
- ④ 12" WHITE LINE (45° ANGLE, 20' C/C)
- ⑤ 6" DOUBLE WHITE CROSSWALK LINE (6' APART)

NOTE:
ALL MARKINGS SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

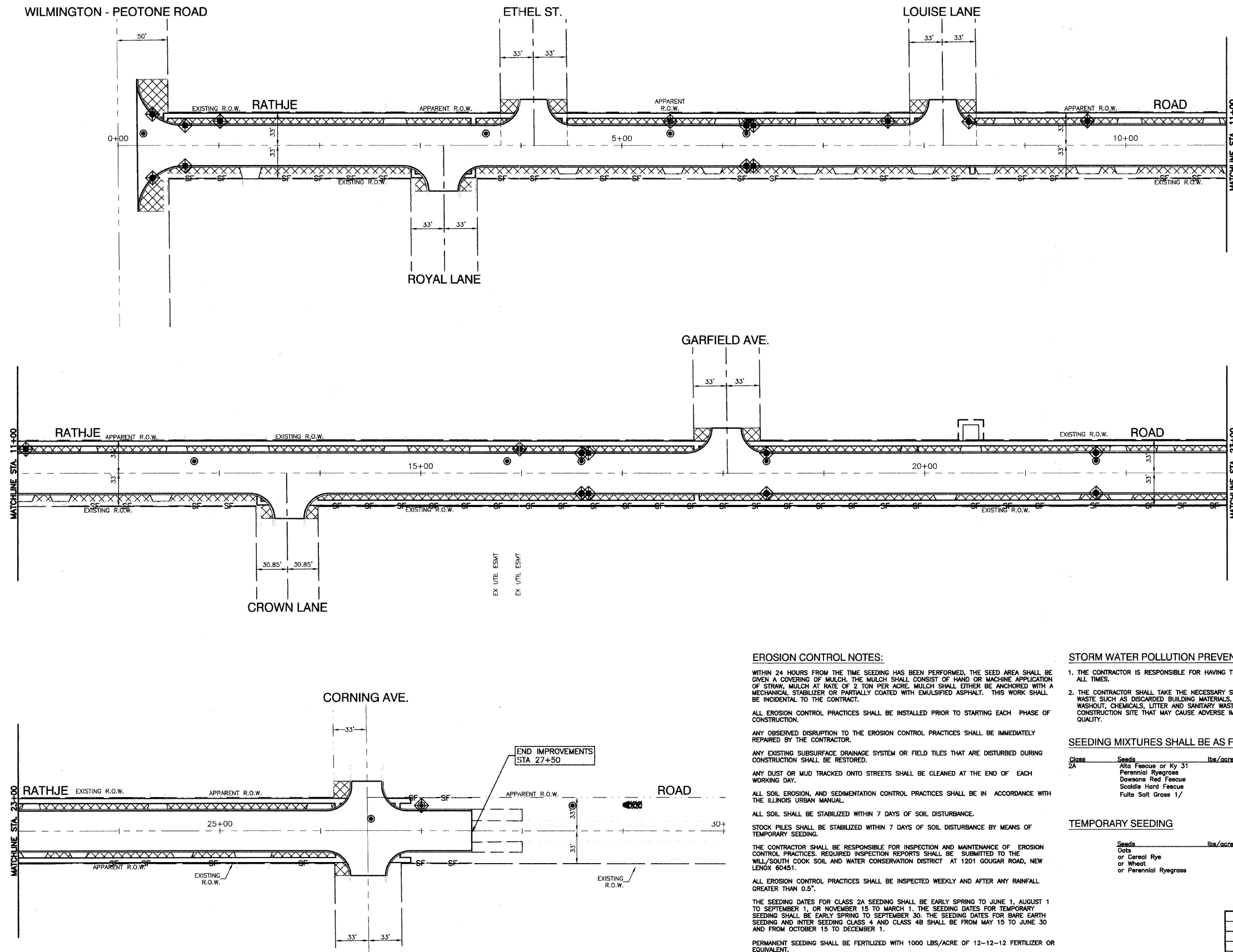
**RATHJE ROAD
ROAD RECONSTRUCTION
PAVEMENT MARKING AND
SIGNING PLAN**

SCALE: VERT. NA
HORIZ. 1"=50'
DATE 09-18-09

DRAWN BY AG
CHECKED BY HLG

F. A. U. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4304	04-00045-00-FP	WILL	033	014
STA.		TO STA.		
FED. ROAD DIST. NO.		FED. AID PROJECT		

CONTRACT #63108



NOTES:

- EXISTING AND FUTURE DRAINAGE PATTERNS ARE THE SAME.
- TOTAL AREA OF SOIL DISTURBANCE IS APPROXIMATELY 2.1 ACRES.

LEGEND

- INLET FILTER
- INLET AND PIPE PROTECTION
- RIP RAP
- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECKS (EXCELSIOR LOG)
- SODDING, SALT TOLERANT, (SPECIAL)

SOIL PROTECTION CHART

STABILIZATION TYPE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
PERMANENT SEEDING			A			*	*					
DORMANT SEEDING	B										B	
TEMPORARY SEEDING			C			*	D*					
SODDING			E**									
MULCHING												

- A. KENTUCKY BLUEGRASS 90 LBS/AC MIXED WITH PERENNIAL RYEGRASS 30 LBS/AC
- B. KENTUCKY BLUEGRASS 135 LBS/AC MIXED WITH PERENNIAL RYEGRASS 45 LBS/AC + 2 TONS STRAW MULCH/AC
- C. SPRING OATS 100 LBS/AC
- D. WHEAT OR CEREAL RYE 150 LBS/AC
- E. SOD (NURSERY GROWN KENTUCKY BLUEGRASS)
- F. STRAW MULCH 2 TONS/AC

* IRRIGATION NEEDED DURING JUNE AND JULY
 ** IRRIGATION NEEDED FOR 2 TO 3 WEEKS AFTER APPLYING SOD

EROSION CONTROL NOTES:

WITHIN 24 HOURS FROM THE TIME SEEDING HAS BEEN PERFORMED, THE SEED AREA SHALL BE GIVEN A COVERING OF MULCH. THE MULCH SHALL CONSIST OF HAND OR MACHINE APPLICATION OF STRAW, MULCH AT RATE OF 2 TON PER ACRE. MULCH SHALL EITHER BE ANCHORED WITH A MECHANICAL STABILIZER OR PARTIALLY COATED WITH EMULSIFIED ASPHALT. THIS WORK SHALL BE INCIDENTAL TO THE CONTRACT.

ALL EROSION CONTROL PRACTICES SHALL BE INSTALLED PRIOR TO STARTING EACH PHASE OF CONSTRUCTION.

ANY OBSERVED DISRUPTION TO THE EROSION CONTROL PRACTICES SHALL BE IMMEDIATELY REPAIRED BY THE CONTRACTOR.

ANY EXISTING SUBSURFACE DRAINAGE SYSTEM OR FIELD TILES THAT ARE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED.

ANY DUST OR MUD TRACKED ONTO STREETS SHALL BE CLEANED AT THE END OF EACH WORKING DAY.

ALL SOIL EROSION, AND SEDIMENTATION CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.

ALL SOIL SHALL BE STABILIZED WITHIN 7 DAYS OF SOIL DISTURBANCE.

STOCK PILES SHALL BE STABILIZED WITHIN 7 DAYS OF SOIL DISTURBANCE BY MEANS OF TEMPORARY SEEDING.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTION AND MAINTENANCE OF EROSION CONTROL PRACTICES. REQUIRED INSPECTION REPORTS SHALL BE SUBMITTED TO THE WILL/SOUTH COOK SOIL AND WATER CONSERVATION DISTRICT AT 1201 GOUGAR ROAD, NEW LENOX 60451.

ALL EROSION CONTROL PRACTICES SHALL BE INSPECTED WEEKLY AND AFTER ANY RAINFALL GREATER THAN 0.5".

THE SEEDING DATES FOR CLASS 2A SEEDING SHALL BE EARLY SPRING TO JUNE 1, AUGUST 1 TO SEPTEMBER 1, OR NOVEMBER 15 TO MARCH 1. THE SEEDING DATES FOR TEMPORARY SEEDING SHALL BE EARLY SPRING TO SEPTEMBER 30. THE SEEDING DATES FOR BARE EARTH SEEDING AND INTER SEEDING CLASS 4 AND CLASS 4B SHALL BE FROM MAY 15 TO JUNE 30 AND FROM OCTOBER 15 TO DECEMBER 1.

PERMANENT SEEDING SHALL BE FERTILIZED WITH 1000 LBS/ACRE OF 12-12-12 FERTILIZER OR EQUIVALENT.

TEMPORARY SEEDING SHALL BE FERTILIZED WITH 500 LBS/ACRE OF 10-10-10 FERTILIZER OR EQUIVALENT. (TO BE USED AT THE DISCRETION OF VILLAGE OF PEOTONE AND/OR VILLAGE ENGINEER).

STORM WATER POLLUTION PREVENTION NOTES:

- THE CONTRACTOR IS RESPONSIBLE FOR HAVING THE SWPPP ON SITE AT ALL TIMES.
- THE CONTRACTOR SHALL TAKE THE NECESSARY STEPS TO CONTROL WASTE SUCH AS DISCARDED BUILDING MATERIALS, CONCRETE TRUCK WASHOUT, CHEMICALS, LITTER AND SANITARY WASTE AT THE CONSTRUCTION SITE THAT MAY CAUSE ADVERSE IMPACTS TO WATER QUALITY.

SEEDING MIXTURES SHALL BE AS FOLLOWS

Class	Seeds	lbs/acre	Pure Live Seed
2A	Alfa Fescue or Ky 31	70	
	Perennial Ryegrass	20	
	Dawson's Red Fescue	20	
	Scalds Hard Fescue	20	
	Fulva Salt Grass 1/	70	

TEMPORARY SEEDING

Seeds	lbs/acre	Pure Live Seed
Oats	90	
or Cereal Rye	90	
or Wheat	90	
or Perennial Ryegrass	25	

REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

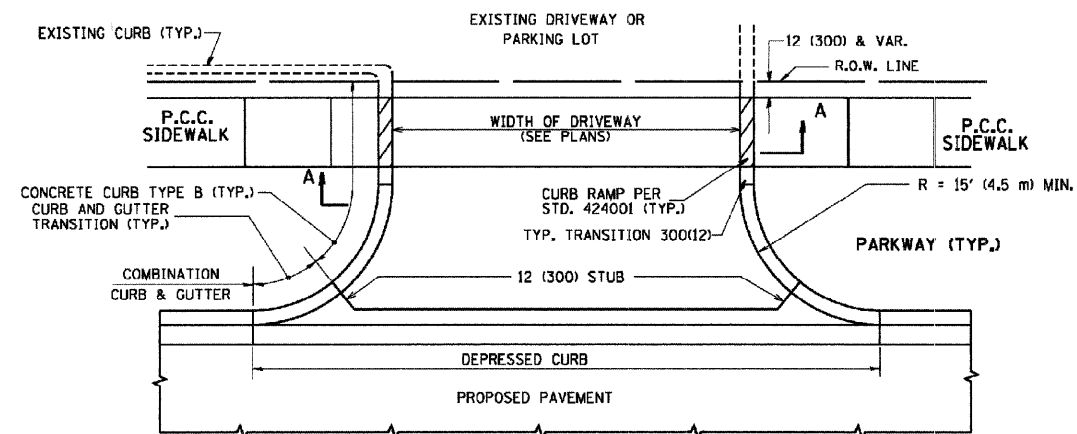
**RATHJE ROAD RECONSTRUCTION
 LANDSCAPING AND
 EROSION CONTROL PLAN**

SCALE: VERT. NA
 HORIZ. 1"=50'
 DATE 09-18-09

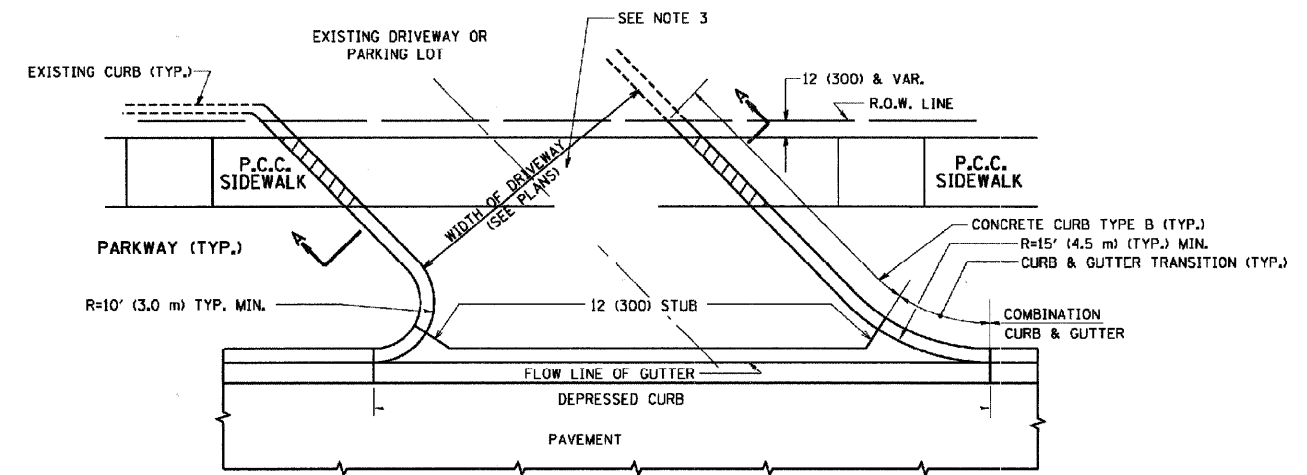
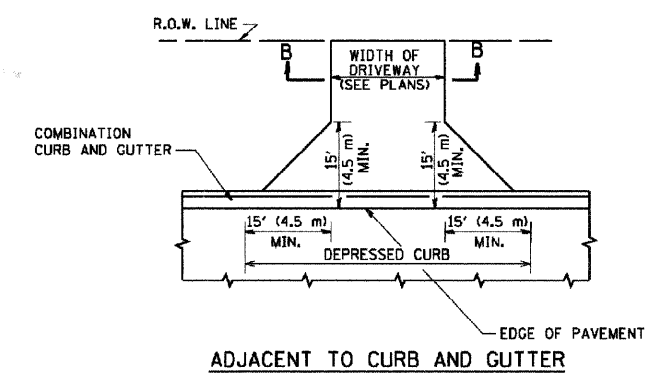
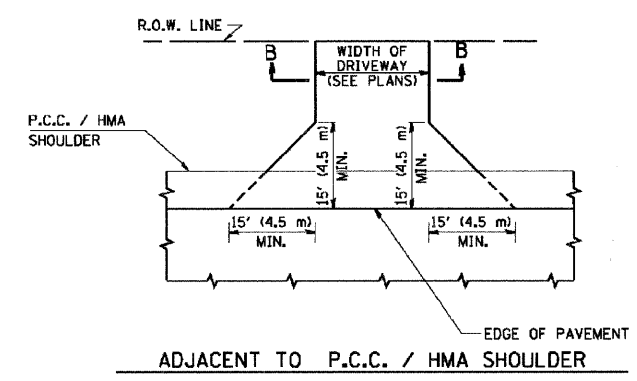
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F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	04-00045-00-FP	WILL	033	015
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

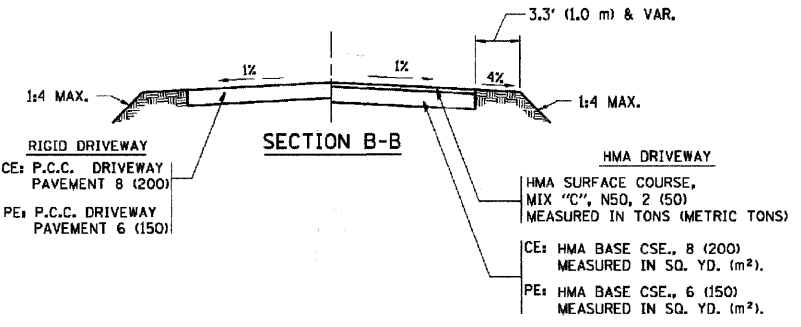
CONTRACT #63108



WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



RURAL FIELD ENTRANCE (FE)
HMA SURFACE COURSE,
MIX "C", N50, 2 (50)
MEASURED IN TONS (METRIC TONS)
CE: HMA BASE COURSE, 8 (200)
MEASURED IN SQ. YD. (m²)
PE: HMA BASE COURSE, 6 (150)
MEASURED IN SQ. YD. (m²)
AGGREGATE BASE COURSE, TYPE B, 8 (200)
MEASURED IN SQ. YD. (m²)

GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

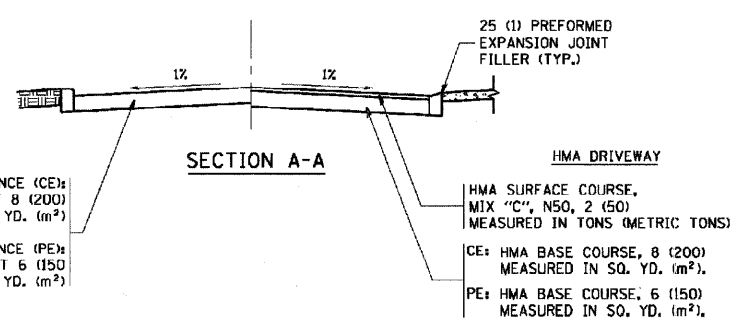
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.



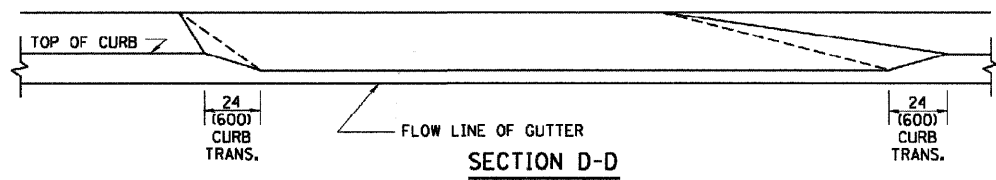
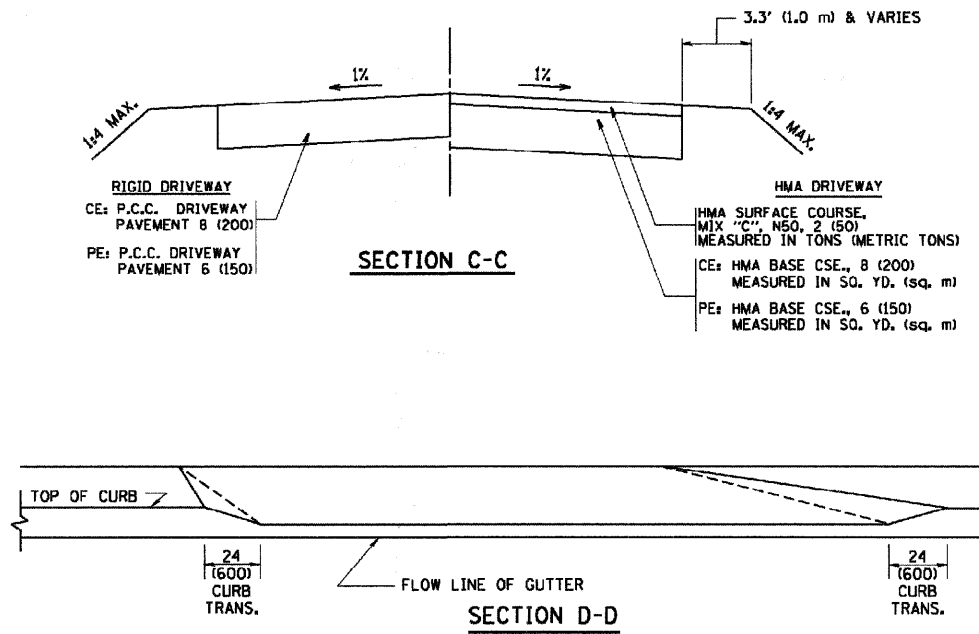
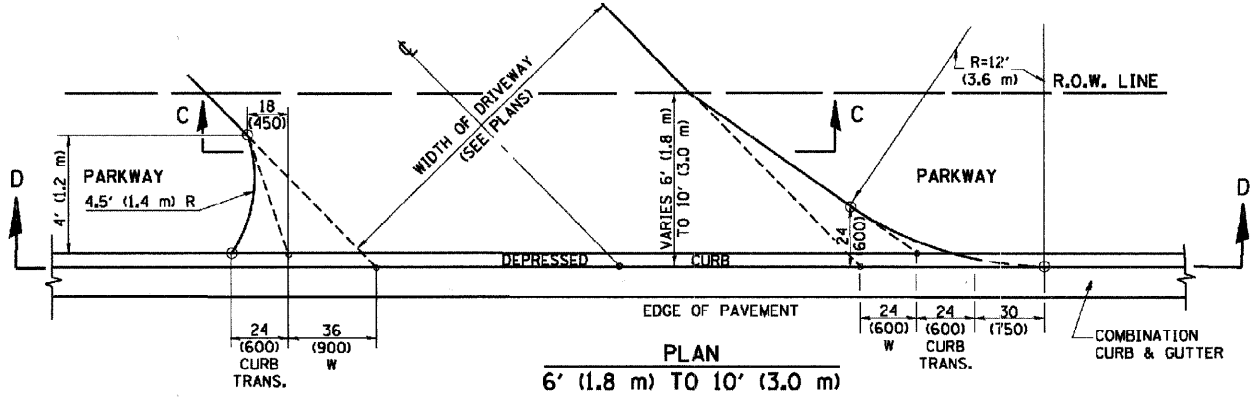
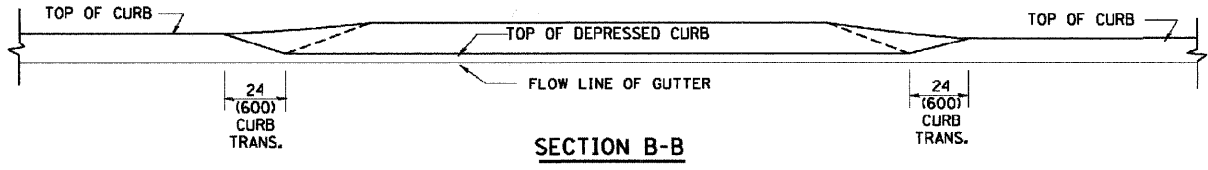
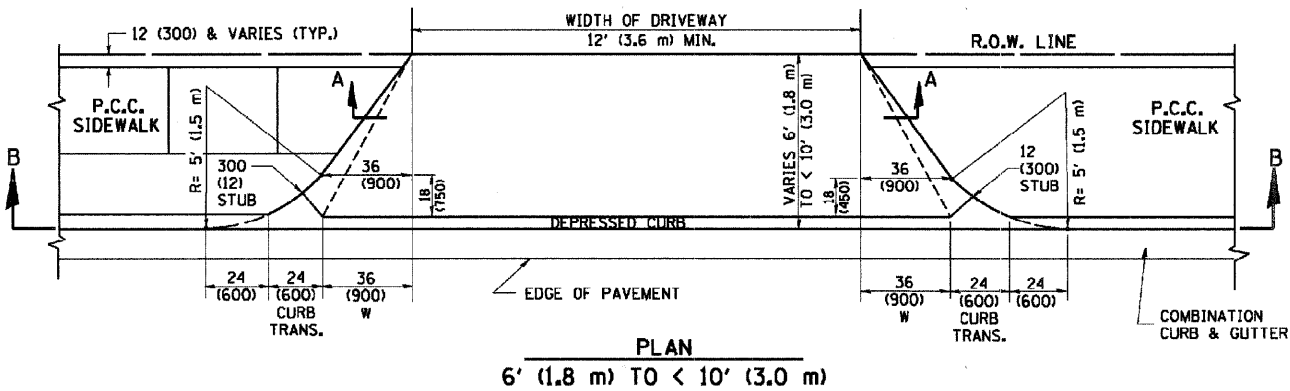
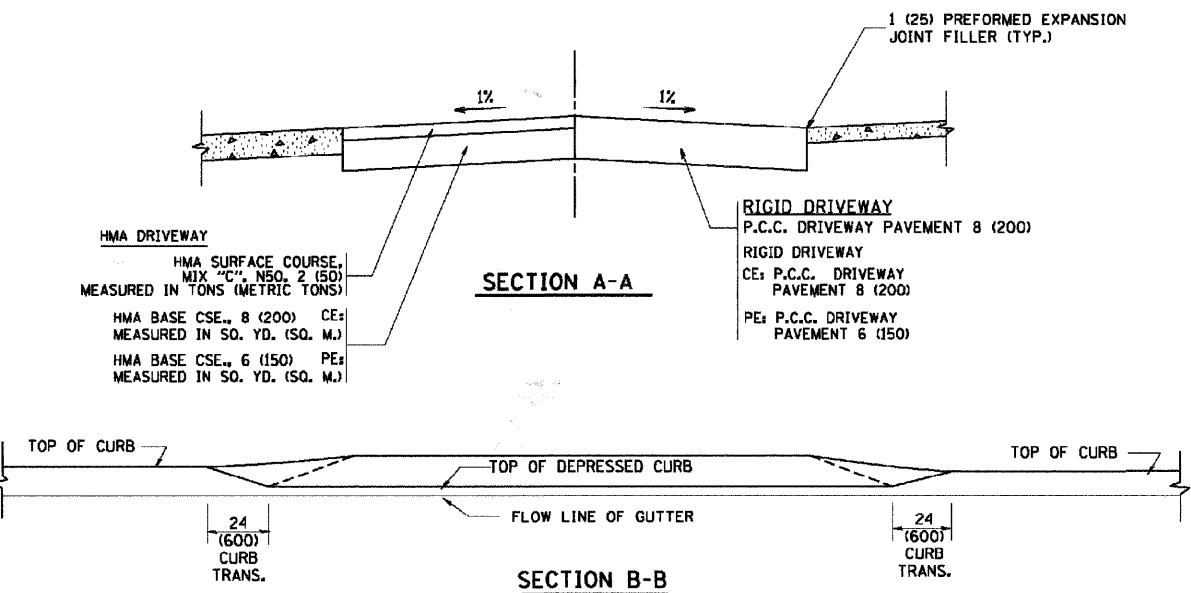
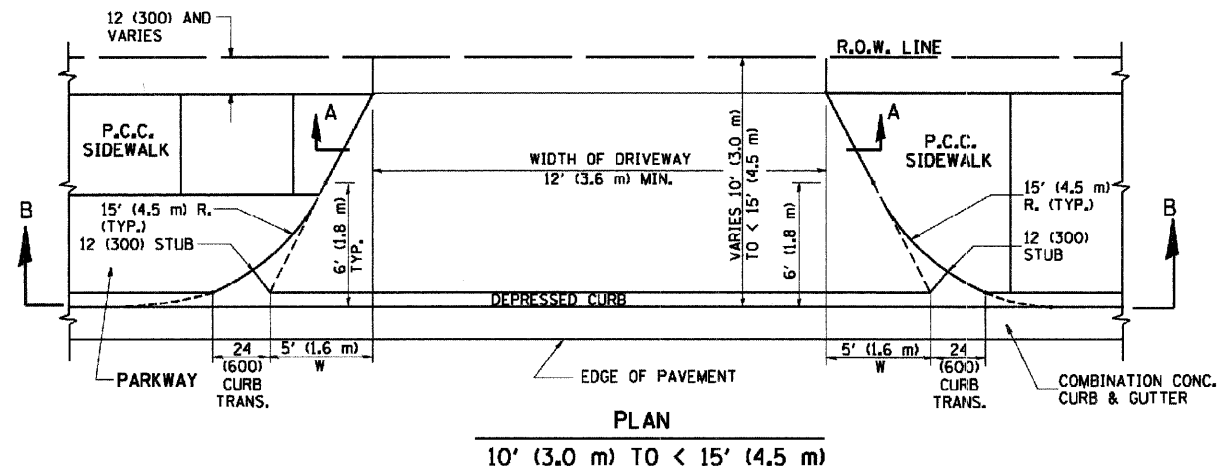
RIGID DRIVEWAY
COMMERCIAL ENTRANCE (CE):
P.C.C. DRIVEWAY PAVEMENT 8 (200)
MEASURED IN SQ. YD. (m²)
NON-COMMERCIAL ENTRANCE (PE):
P.C.C. DRIVEWAY PAVEMENT 6 (150)
MEASURED IN SQ. YD. (m²)

HMA DRIVEWAY
HMA SURFACE COURSE,
MIX "C", N50, 2 (50)
MEASURED IN TONS (METRIC TONS)
CE: HMA BASE COURSE, 8 (200)
MEASURED IN SQ. YD. (m²)
PE: HMA BASE COURSE, 6 (150)
MEASURED IN SQ. YD. (m²)

FILE NAME = c:\proj\jeat\drivata\22x34\bd81.dgn	UGDR NAME = bauer.d	DESIGNED R. SHAH	REVISED M. GOMEZ 04-06-01	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 48,9999 ' / IN.	CHECKED -	REVISED - P. LOFLUER 04-15-03			BDD156-07 (BD-01)	CONTRACT NO.			
	PLOT DATE = 6/12/2008	DATE - 11-04-95	REVISED - R. BORD 01-01-07			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT	
	DATE - 11-04-95	REVISED - R. BORD 06-11-08	STA. TO STA.			FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

F. A. P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	04-00045-00-FP	WILL	033	016
STA.	TO STA.			
FED. ROAD DIST. NO. 1	BLANKS	FED. AID PROJECT		

CONTRACT #63108



GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS, SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

FILE NAME =	USER NAME = gajlanab	DESIGNED - R. SHAH	REVISED - T. HOLTZ 04-08-97
M:\jsteta\22\34\bal02.dgn		DRAWN -	REVISED - M. GOMEZ 04-06-01
	PLOT SCALE = 50.0000 / 1" = 10'	CHECKED -	REVISED - P. LAFLEUR 04-15-03
	PLOT DATE = 1/4/2008	DATE - 11-06-95	REVISED - R. BORD 01-01-07

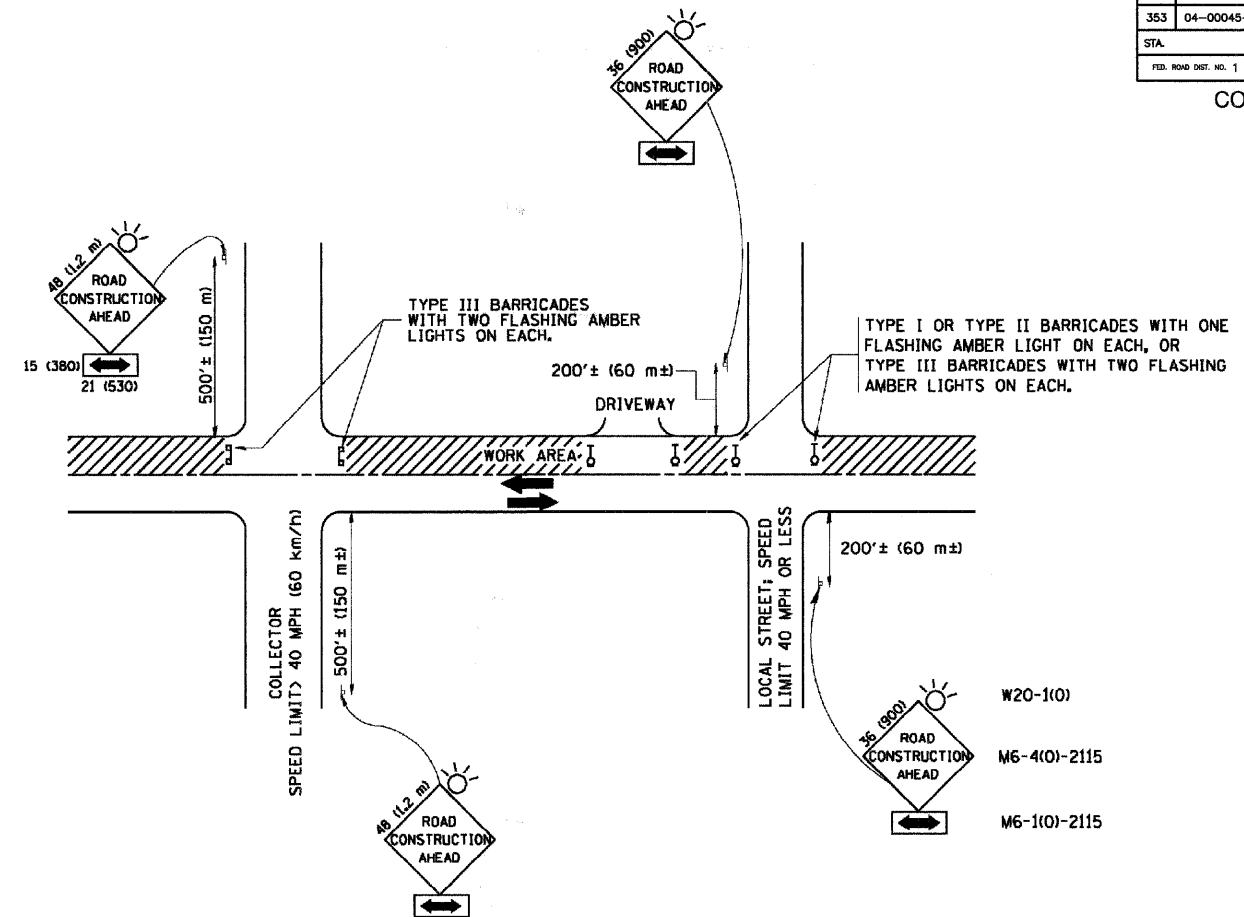
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRIVEWAY DETAILS			
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	BD400-02 (BD-02)			
CONTRACT NO.				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

F. A. P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	04-00045-00-FP	WILL	033	017
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT #63108



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in millimeters (inches) unless otherwise shown.

FILE NAME =	USER NAME = gagliemobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
W:\distsd\22x34\to18.dgn		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

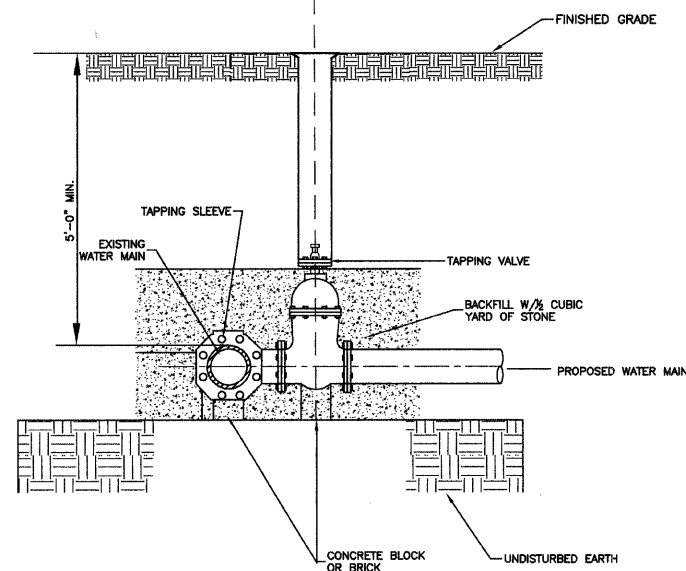
TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

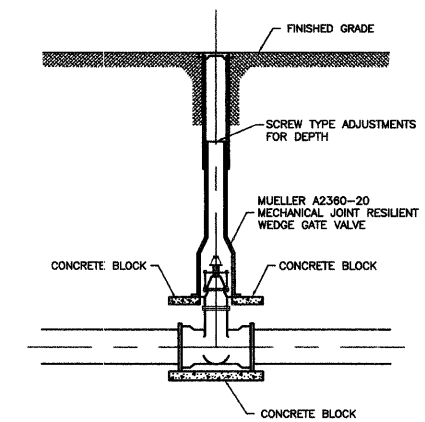
F. A. P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TC-10			
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT	

F. A. U. No.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4304	04-00045-00-FP	WILL	033	019
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT #63108



TYPICAL PRESSURE CONNECTION



TYPICAL VALVE BOX INSTALLATION

JOINT RESTRAINT TABLE - Unless additional pipe restraint is shown on the Plans, the restrained length measured from the fitting joint to the end of the last restrained joint pipe for pipe fittings shall equal or exceed those tabulated below:

Pipe Size (Inches)	RESTRAINED LENGTH - FEET FITTINGS				
	Tee * Branch	90 Elbow	45 Elbow	22-1/2 Elbow	11-1/4 Elbow
4	9	10	5	2	1
6	17	14	6	3	2
8	24	18	8	4	2
10	30	22	10	5	3
12	36	26	11	6	3
14	42	29	12	6	3
16	48	33	14	7	4
18	53	37	16	8	4
20	58	40	17	8	4
24	104	71	30	15	8
30	125	86	36	18	9
36	146	99	42	21	10

Pipe Size (Inches)	90 Elbow	45 Elbow	22-1/2 Elbow	11-1/4 Elbow
36	84	46	24	12

THIS TABLE IS PROVIDED FOR INFORMATIONAL PURPOSES ONLY AND IS BASED ON A FIELD TEST PRESSURE OF 120 PSI AND 5 FT. OF EARTH COVER.

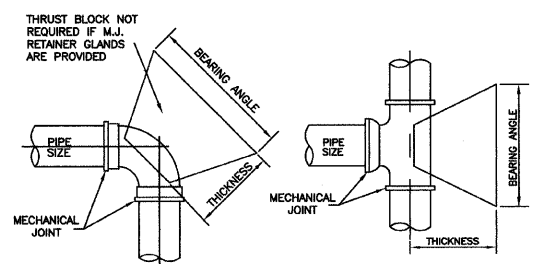
PRESTRESSED CONCRETE CYLINDER PIPE JOINT RESTRAINT TABLE

Test Pressure on sizes 20" and smaller based on 100 psi. Test Pressure on sizes 24" and larger based on 150 psi. Increase all lengths in Table by 75% for use on polyethylene wrapped pipe. *One full length (18") of pipe on both sides of branch to be restrained.

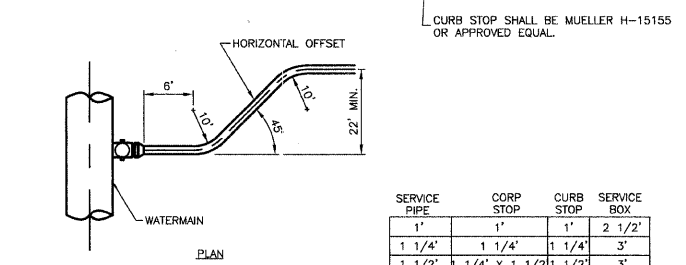
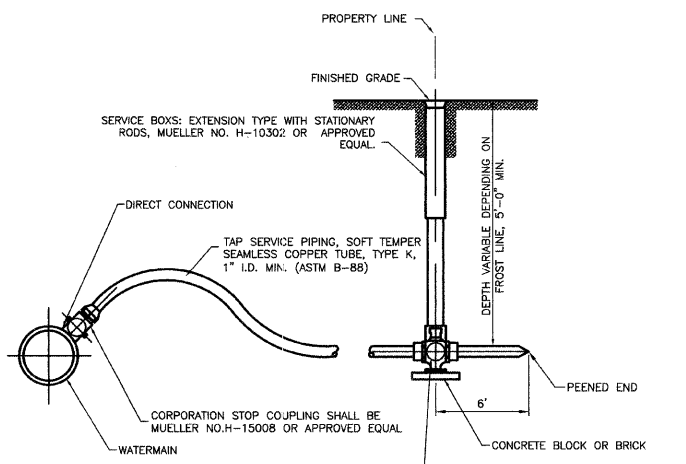
DUCTILE IRON JOINT RESTRAINT TABLE

THRUST BLOCK BEARING AREA (SQUARE FEET)				
MAIN PIPE SIZE	TEE	90° BEND	45° BEND	BLOCK THICKNESS
4				
6				
8				
10				
12				
14	18.0	23.5	13.75	18"
16	24.0	33.0	18.0	24"
18	31.0	44.25	24.0	24"
20	38.0	54.25	29.5	30"
24	55.0	75.0	42.25	30"

FIGURES BASED ON 100 PSI WATER PRESSURE AND 10,000 PSI SOIL BEARING. PROVIDE "CLOW F-1058" MECHANICAL JOINT RETAINER GLANDS ON WATER MAIN FITTINGS 3" DIA. TO 12" DIA. ALL WATER MAIN FITTINGS TO BE MECHANICAL JOINTS.

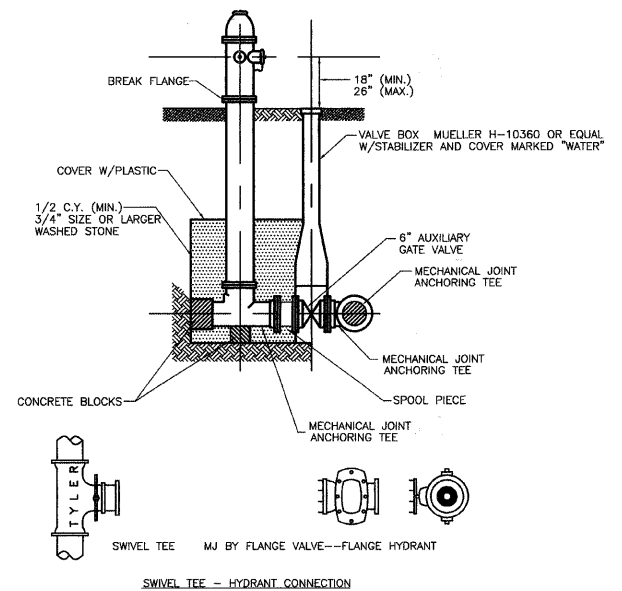


THRUST BLOCK PLAN



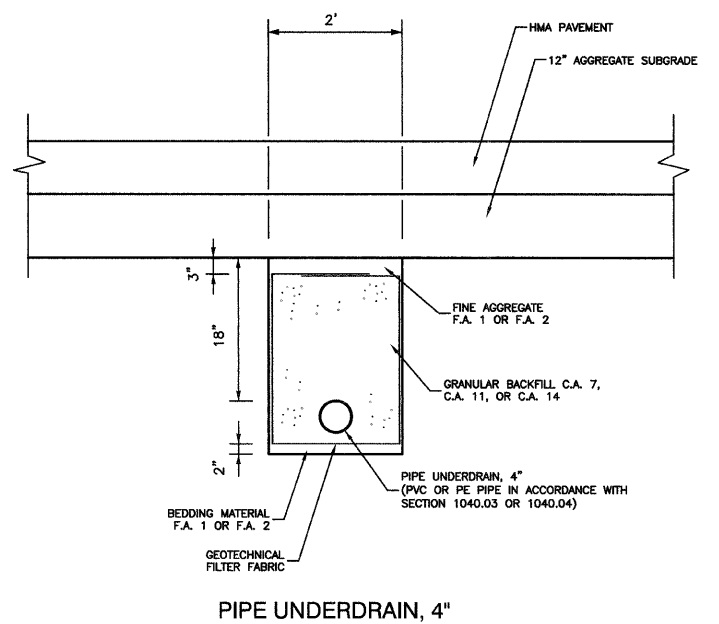
TYPICAL WATER SERVICE INSTALLATION

SERVICE PIPE	CORP STOP	CURB STOP	SERVICE BOX
1'	1'	1'	2 1/2'
1 1/4'	1 1/4'	1 1/4'	3'
1 1/2'	1 1/4' X 1 1/2'	1 1/2'	3'
2'	1 1/2' X 2'	2'	3'



NOTES:
 1. ALL CASTINGS SHALL BE MADE IN THE U.S.A. WITH U.S.A. MATERIALS. FIRE HYDRANTS SHALL MEET AWWA C-502 AND SHALL BE MUELLER "CENTURION" A-423, OR APPROVED EQUAL WITH A 5-1/4" VALVE OPENING, TWO 2-1/2" HOUSE NOZZLES AND ONE PUMPER NOZZLE. THREADS SHALL CONFORM TO NATIONAL STANDARD SPECIFICATIONS.
 2. HYDRANTS SHALL BE INSTALLED NO CLOSER THAN THREE FEET NOR FURTHER THAN 8 FEET FROM THE BACK OF CURB. NO HYDRANT SHALL BE INSTALLED WITHIN 48" OF ANY OBSTRUCTION NOR SHALL ANY OBSTRUCTION BE PLACED WITHIN 48" OF A HYDRANT. THE HYDRANTS SHALL BE PAINTED RED BY THE MANUFACTURER.
 3. HYDRANTS SHALL BE EQUIPPED WITH AN INTEGRAL 4" "STORZ" QUICK DISCONNECT NOZZEL.

FIRE HYDRANT INSTALLATION



PIPE UNDERDRAIN, 4"

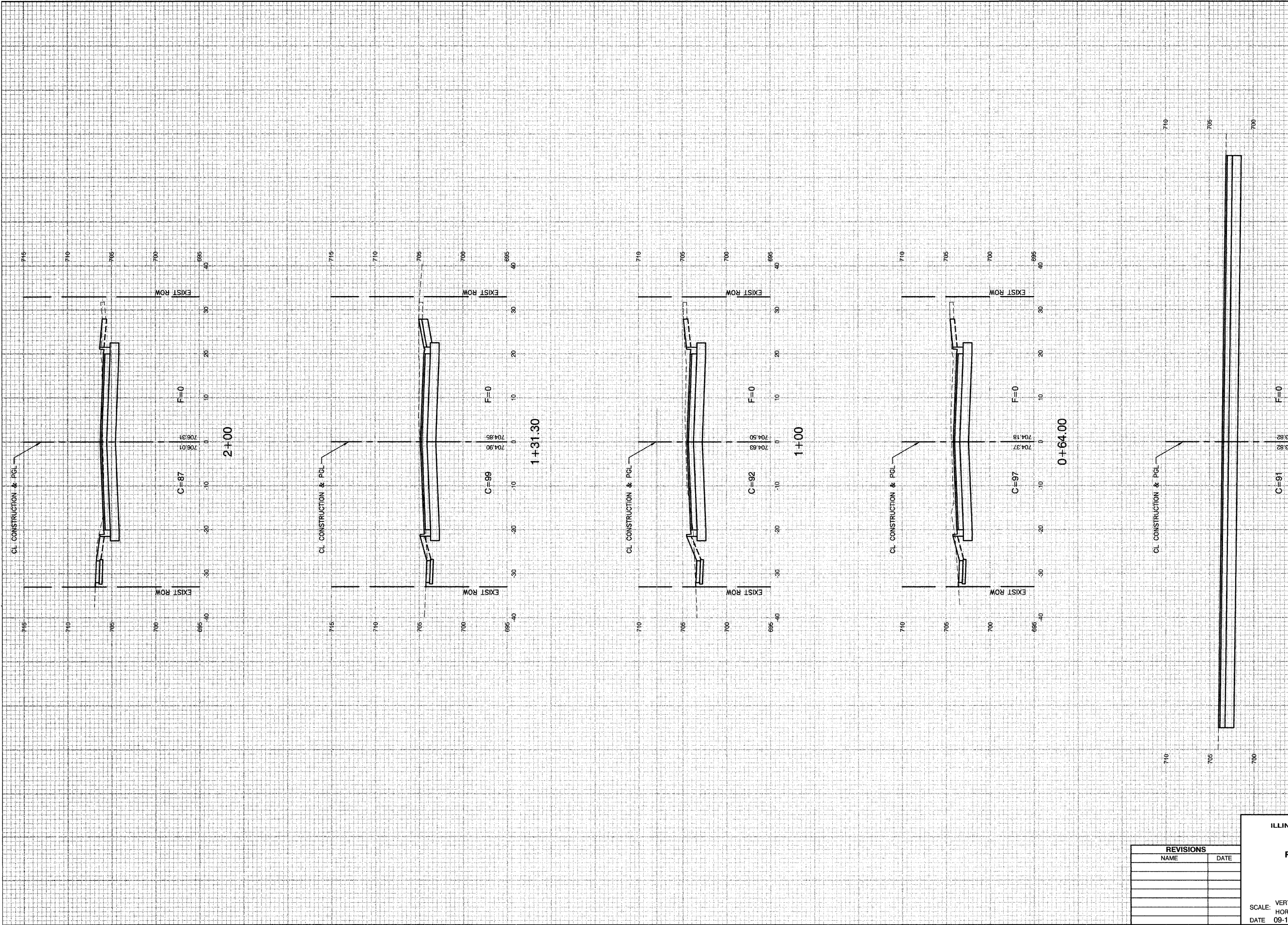
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

RATHJE ROAD RECONSTRUCTION CONSTRUCTION DETAILS

SCALE: VERT. NA
 HORIZ. NA
 DATE 09-18-09
 DRAWN BY AG
 CHECKED BY HLG

F. A. U. SITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4304	04-00045-00-FP	WILL	033	020
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT #63108				



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

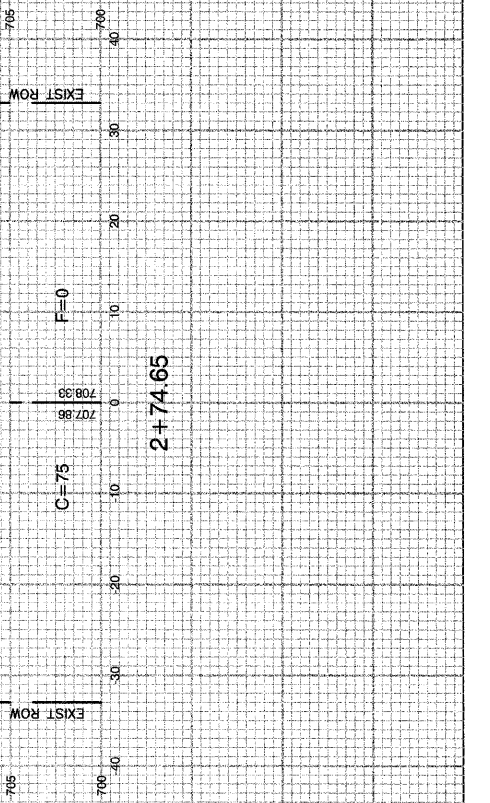
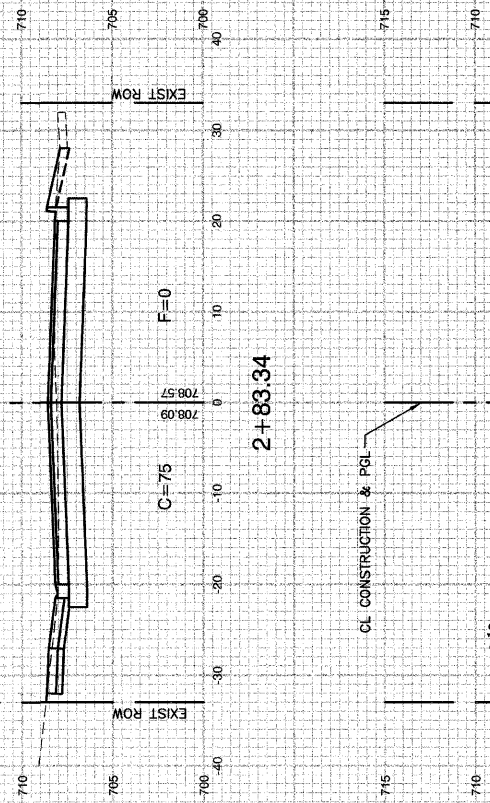
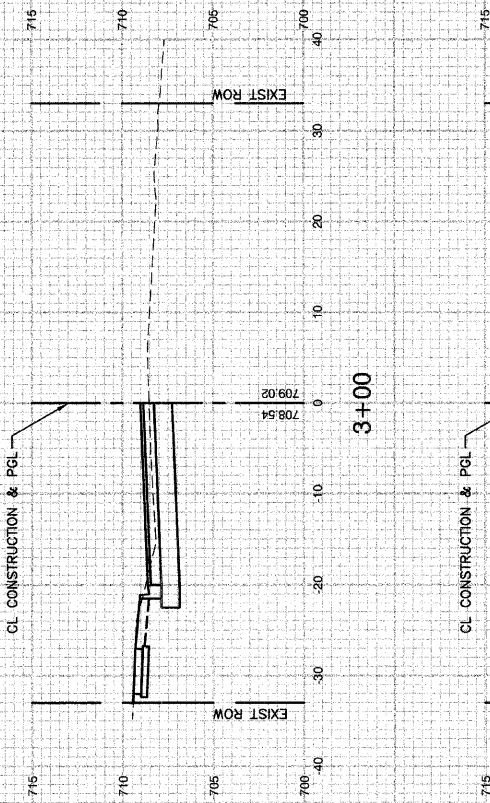
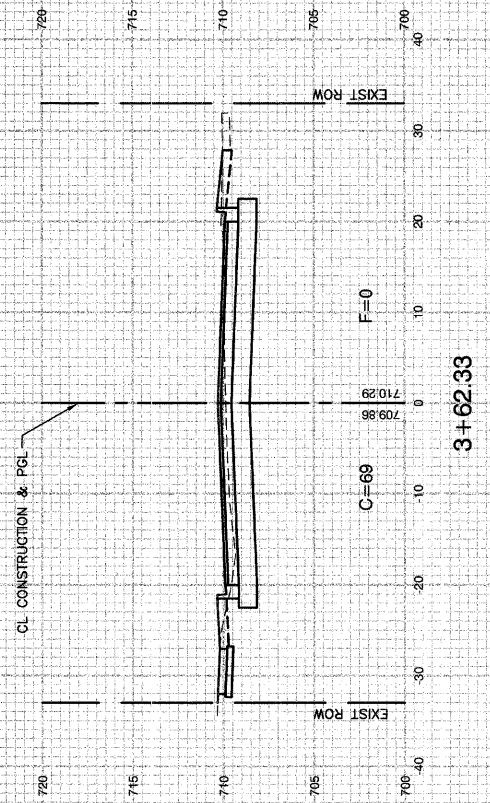
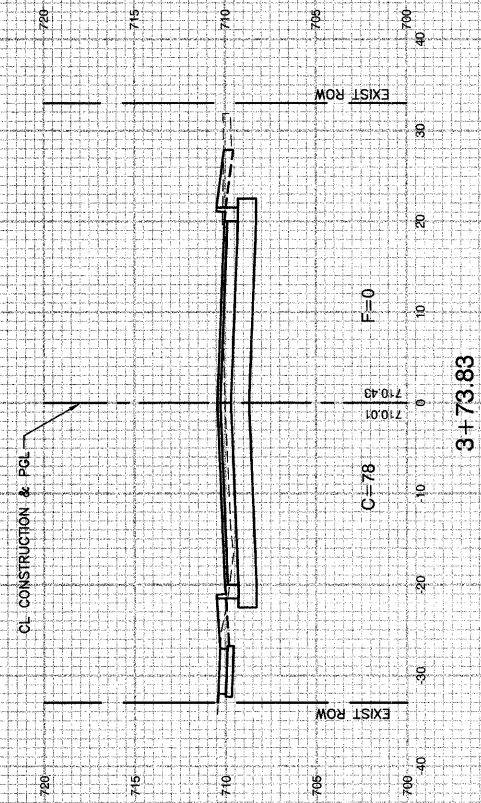
**RATHJE ROAD RECONSTRUCTION
CROSS SECTIONS**

SCALE: VERT. 1" = 5'
 HORIZ. 1" = 10'
 DATE 09-18-09

DRAWN BY MD
 CHECKED BY HLG

ROBINSON ENGINEERING, LTD.
 17000 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473
 (708) 381-8700 FAX (708) 381-3828
 ILLINOIS DESIGN FIRM REGISTRATION NO. 05601128 05025_04-XSEC-01

P. A. L. RFL	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4304	04-00045-00-FP	WILL	033	021
STA	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT #63108				



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

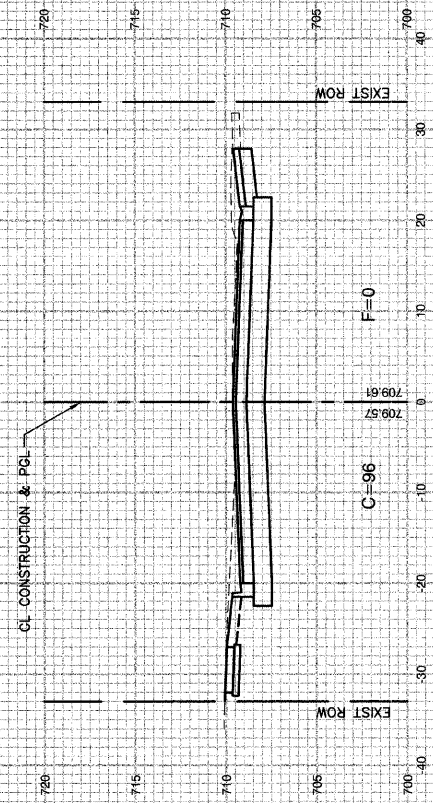
**RATHJE ROAD RECONSTRUCTION
CROSS SECTIONS**

SCALE: VERT. 1" = 5'
HORIZ. 1" = 10'
DATE 09-18-09

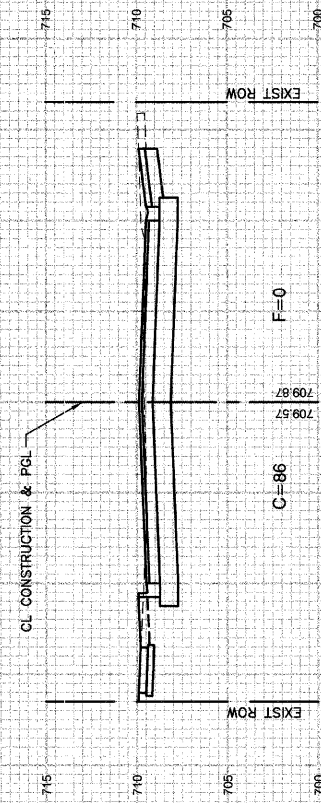
DRAWN BY MD
CHECKED BY HLG

ROBINSON ENGINEERING, LTD.
17000 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473
(708) 381-6070 FAX (708) 381-5826
ILLINOIS DESIGN FIRM REGISTRATION NO. 156001128 05025_04-XSEC-01

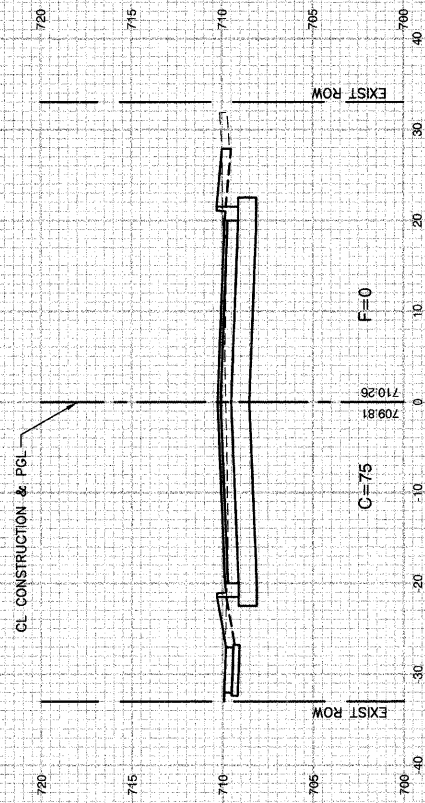
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STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT #63108				



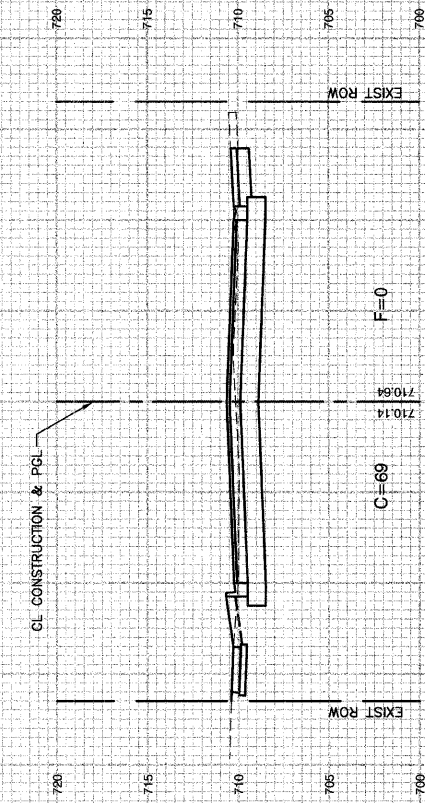
5+89.84



5+50.71



5+00



4+46.20

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

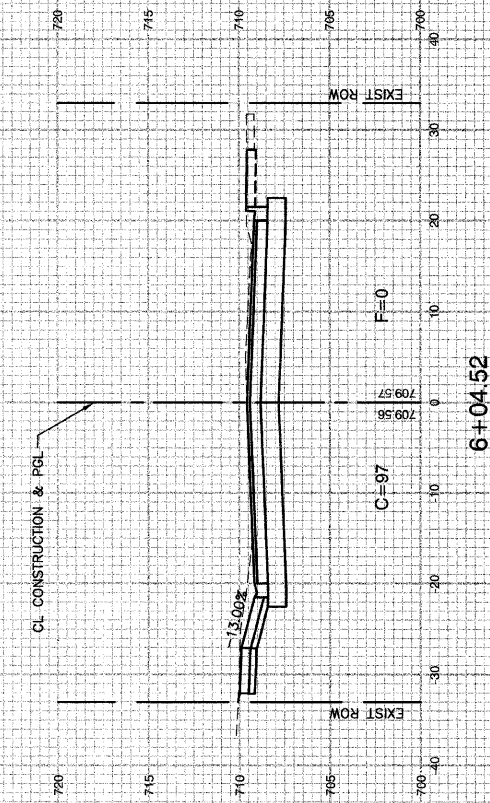
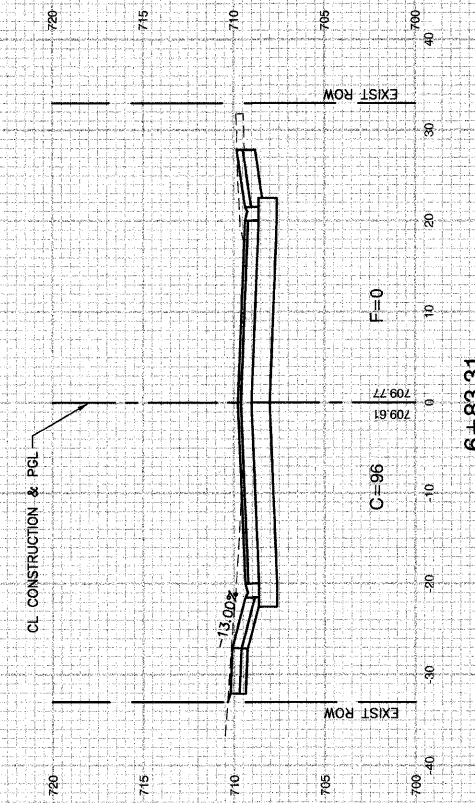
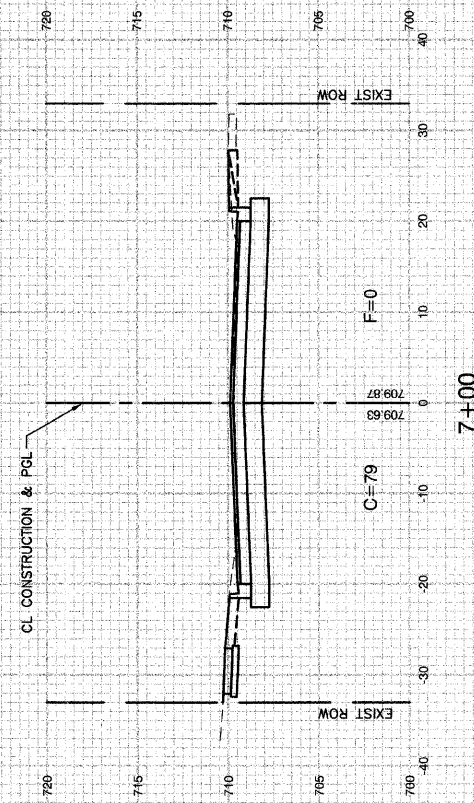
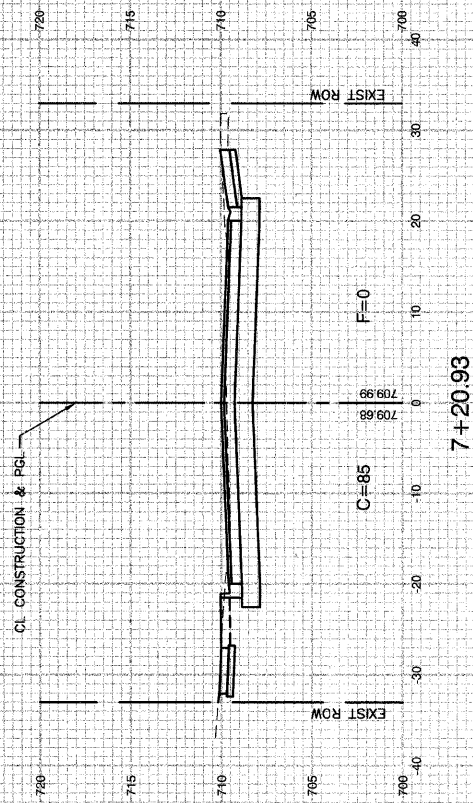
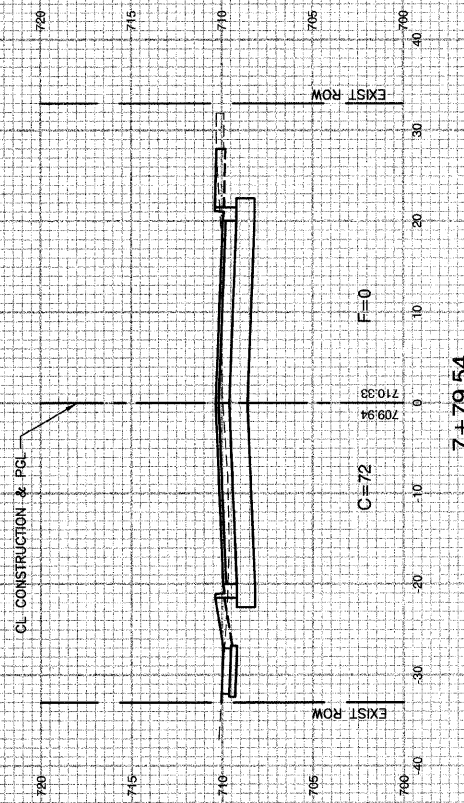
**RATHJE ROAD RECONSTRUCTION
CROSS SECTIONS**

SCALE: VERT. 1" = 5'
 HORIZ. 1" = 10'
 DATE 09-18-09

DRAWN BY MD
 CHECKED BY HLG

ROBINSON ENGINEERING, LTD.
 17000 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473
 (708) 381-8700 FAX (708) 381-8828
 ILLINOIS DESIGN FIRM REGISTRATION NO. 194001129 05025_04-XSEC-01

F. A. U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4304	04-00045-00-FP	WILL	033	023
STA. TO STA.				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT #63108				



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

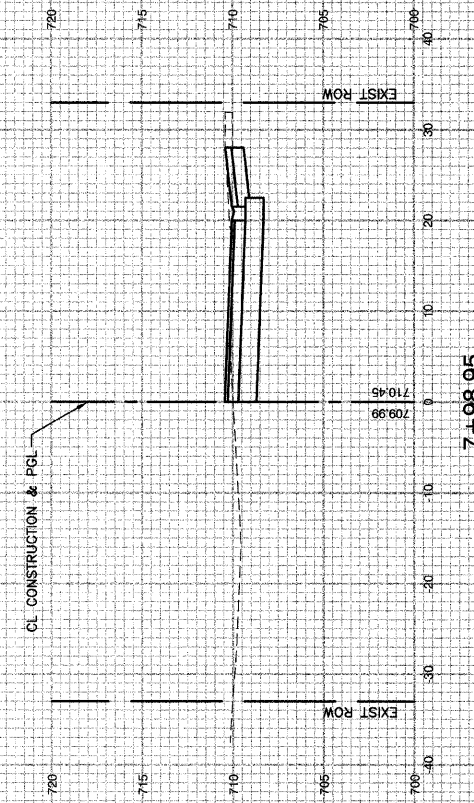
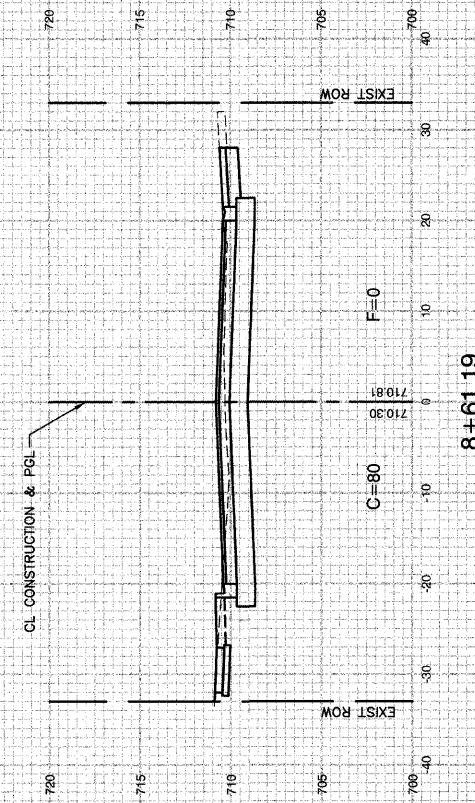
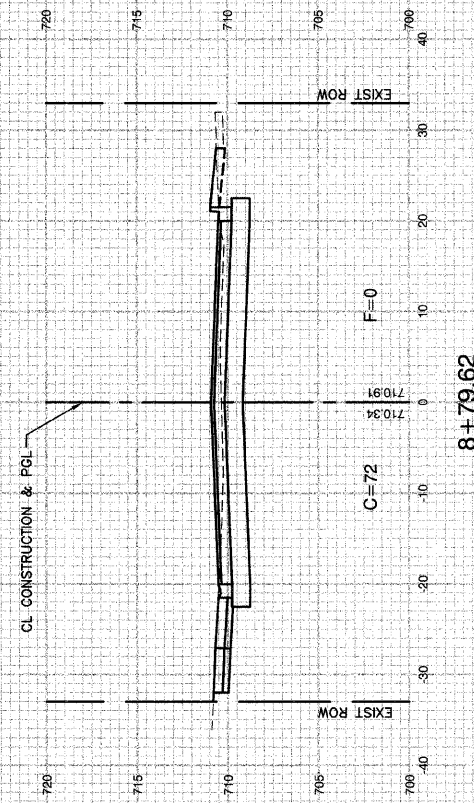
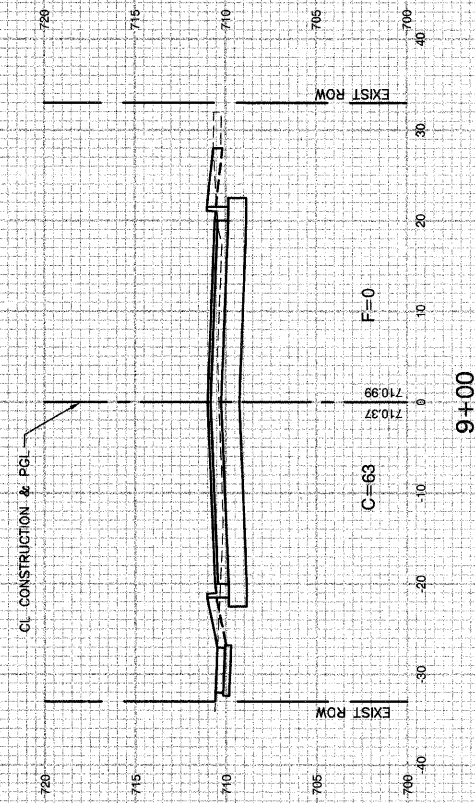
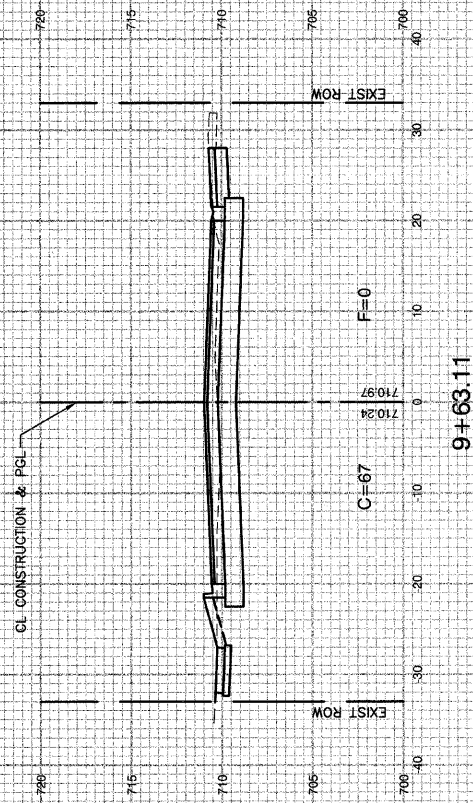
**RATHJE ROAD RECONSTRUCTION
CROSS SECTIONS**

SCALE: VERT. 1"= 5'
HORIZ. 1"= 10'
DATE 09-18-09

DRAWN BY MD
CHECKED BY HLG

ROBINSON ENGINEERING, LTD.
17000 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473
(708) 331-6715 FAX (708) 331-6826
ILLINOIS DESIGN FIRM REGISTRATION NO. 15400128 05025_04-XSEC-01

F. A. U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4304	04-00045-00-FP	WILL	033	024
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT #63108				



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

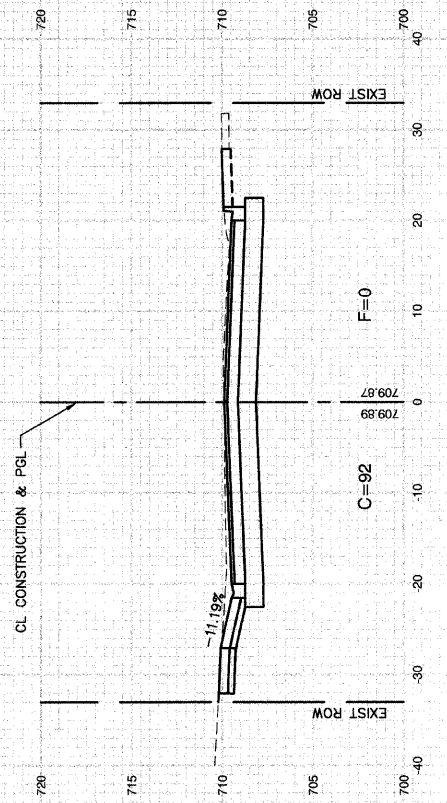
**RATHJE ROAD RECONSTRUCTION
CROSS SECTIONS**

SCALE: VERT. 1" = 5'
 HORIZ. 1" = 10'
 DATE 09-18-09

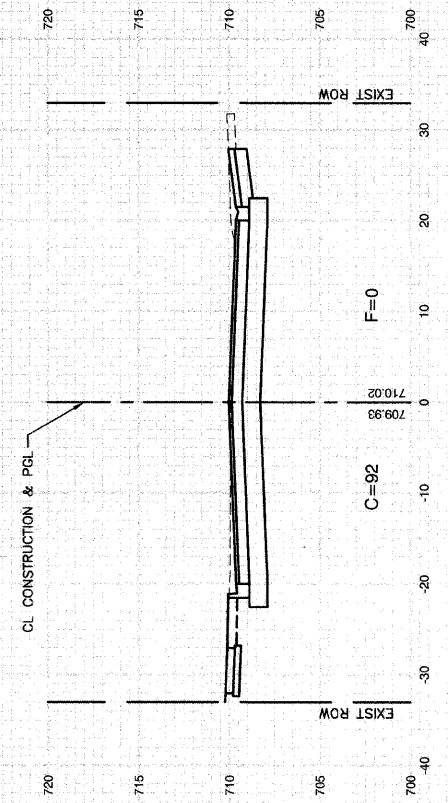
DRAWN BY MD
 CHECKED BY HLG

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 17000 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473
 (708) 351-8700 FAX (708) 351-3826
 ILLINOIS DESIGN FIRM REGISTRATION NO. 159607-08 09/25_04-XSEC-01

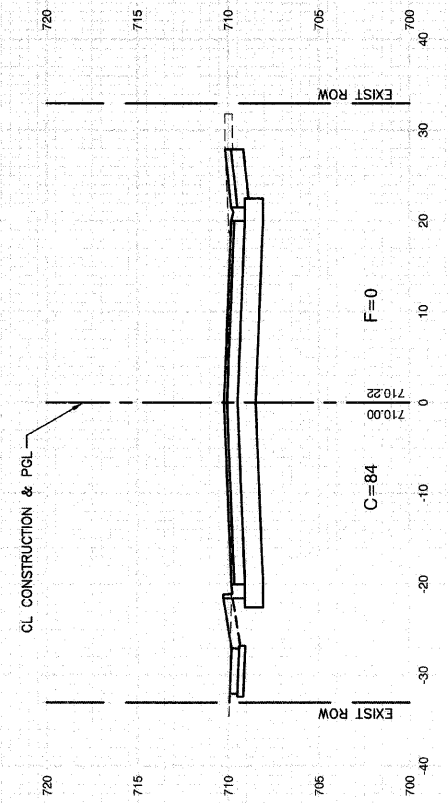
F. A. U. SHEET	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4304	04-00045-00-FP	WILL	033	025
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT #63108				



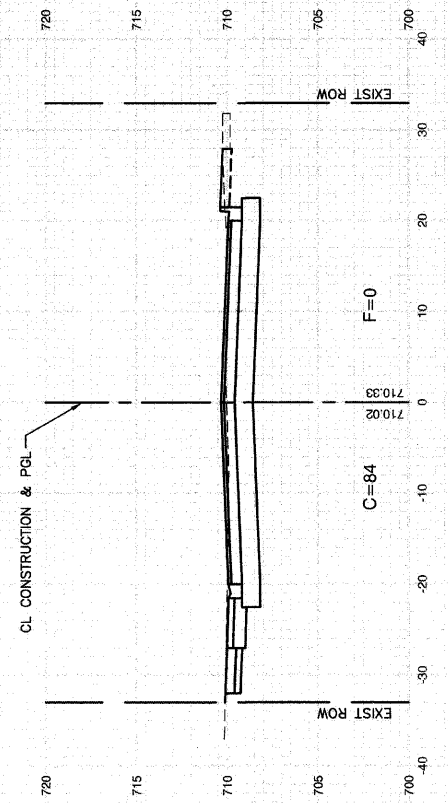
11+70.59



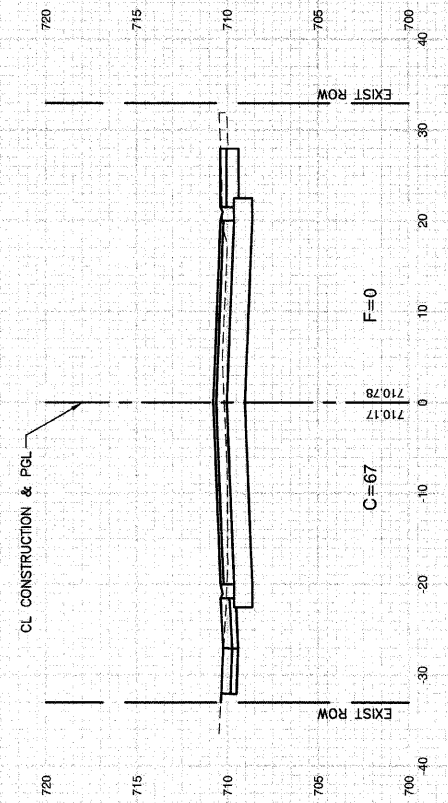
11+42.53



11+05.84



10+84.98



10+00.77

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**RATHJE ROAD RECONSTRUCTION
CROSS SECTIONS**

SCALE: VERT. 1"= 5'
HORIZ. 1"= 10'

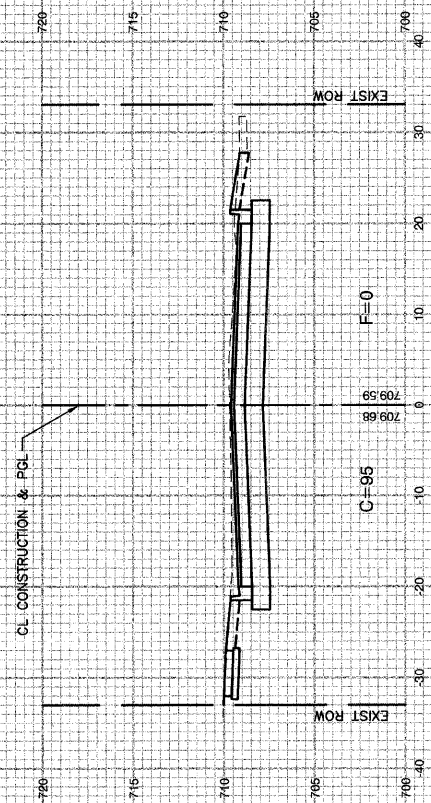
DATE 09-18-09

DRAWN BY MD
CHECKED BY HLG

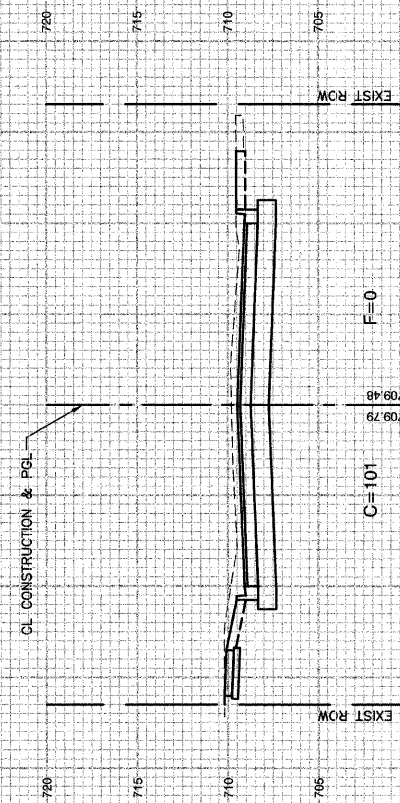
ROBINSON ENGINEERING, LTD.
1700 SOUTH PARK AVENUE, SOUTH HOLLAND, ILLINOIS 60470
(708) 331-6700 FAX (708) 331-3626
ILLINOIS DESIGN FIRM REGISTRATION NO. 154021128

06025_04-XSEC-01

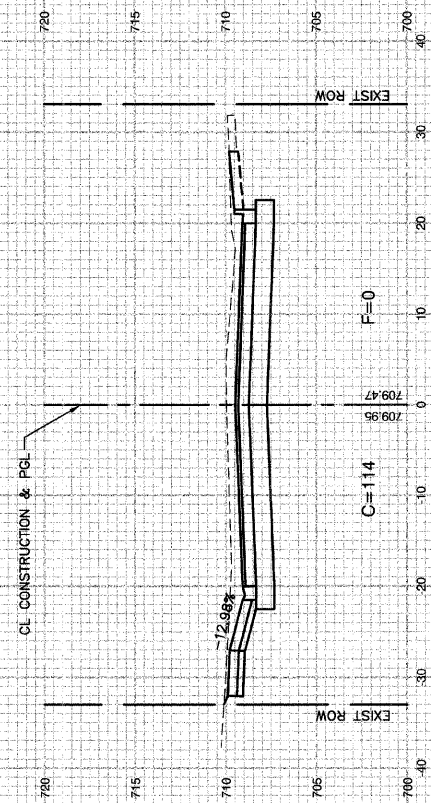
F. A. U. REL.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT #63108				



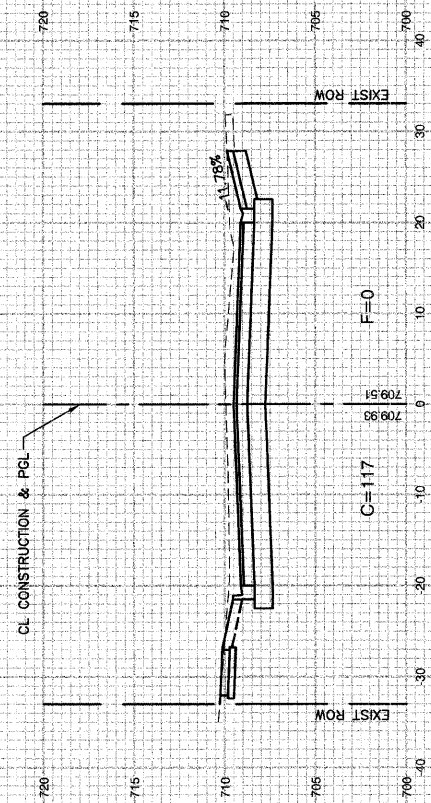
13+30.12



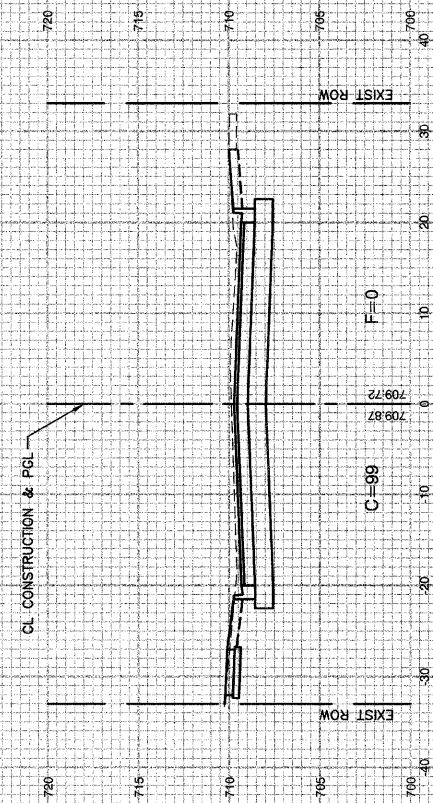
13+00



12+57.86



12+42



12+00

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

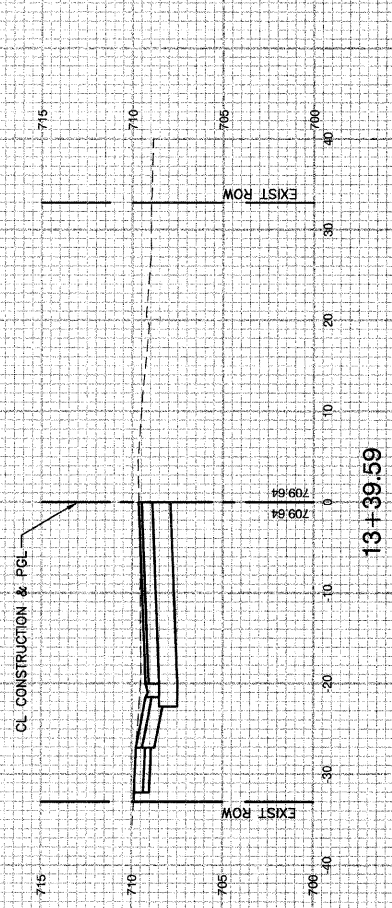
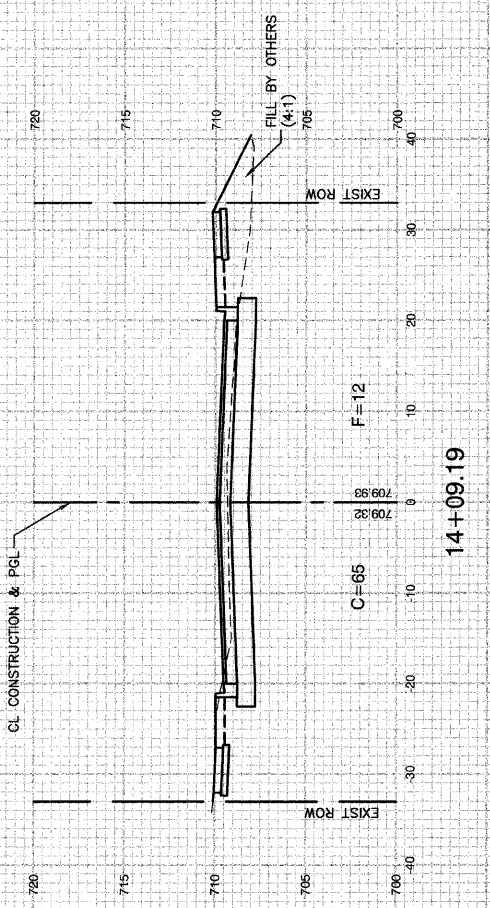
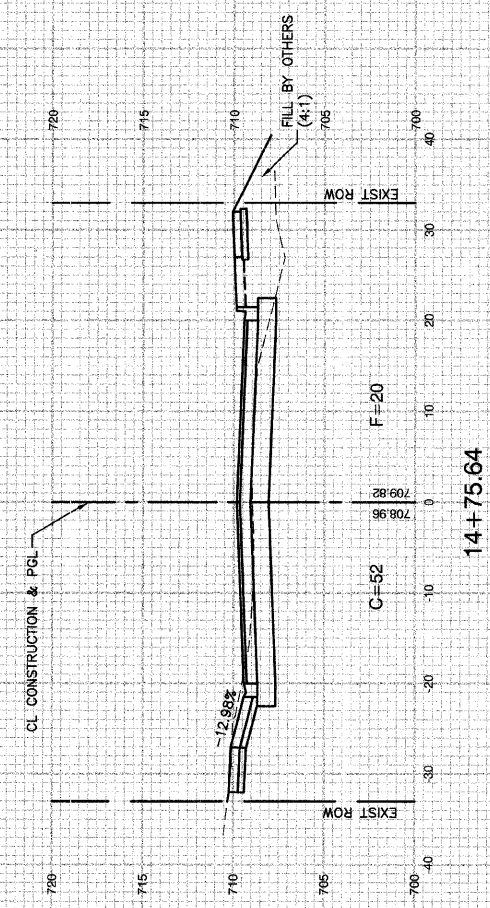
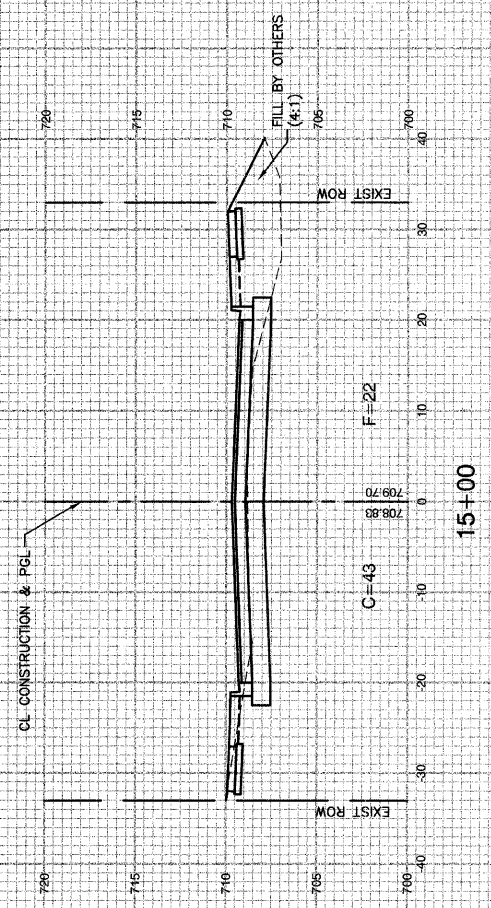
**RATHJE ROAD RECONSTRUCTION
CROSS SECTIONS**

SCALE: VERT. 1" = 5'
HORIZ. 1" = 10'
DATE 09-18-09

DRAWN BY MD
CHECKED BY HLG

ROBINSON ENGINEERING, L.T.D.
1700 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473
(708) 331-4700 FAX (708) 331-3826
ILLINOIS DESIGN FIRM REGISTRATION NO. 134001126 05025_04-XSEC-01

P. A. U. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4304	04-00045-00-FP	WILL	033	027
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT #63108				



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

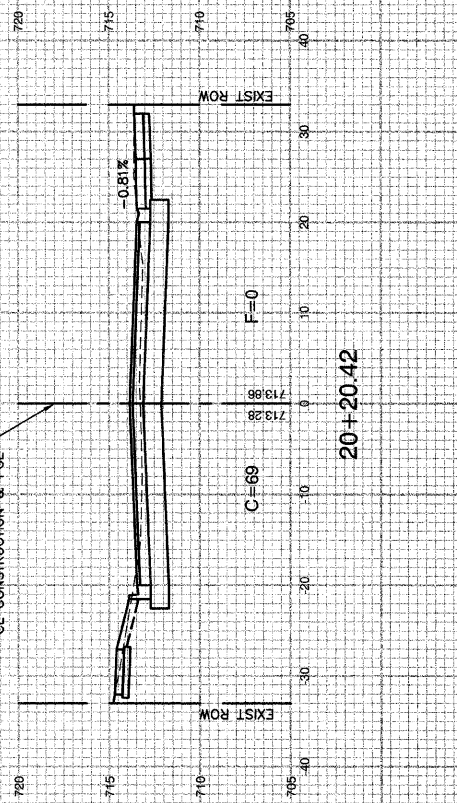
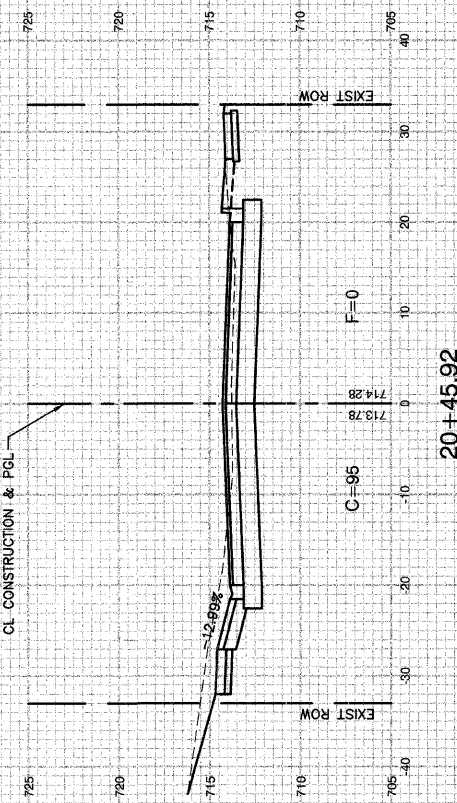
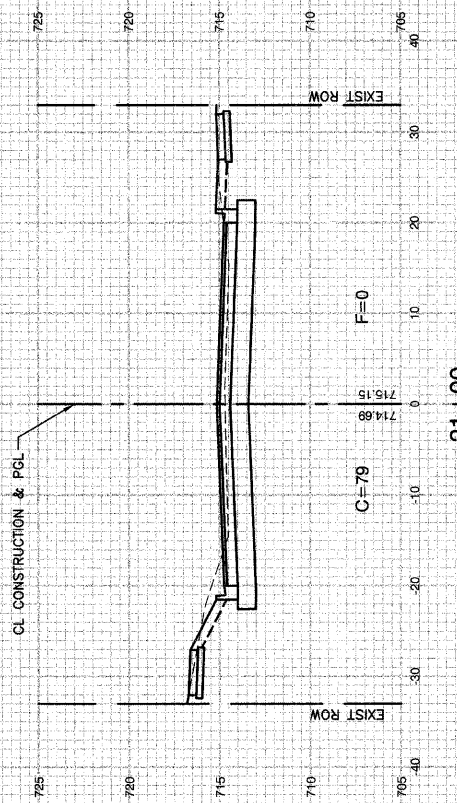
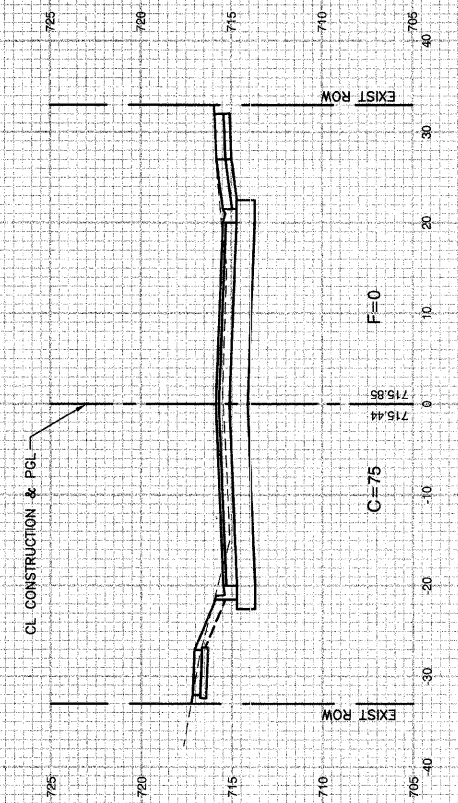
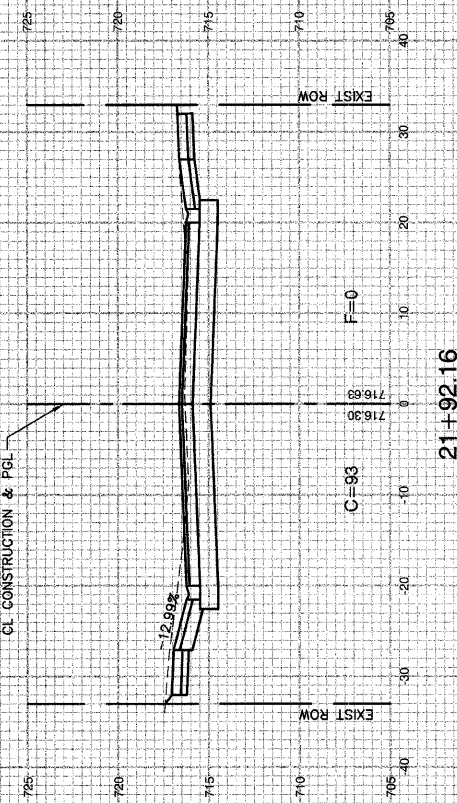
**RATHJE ROAD RECONSTRUCTION
CROSS SECTIONS**

SCALE: VERT. 1" = 5'
 HORIZ. 1" = 10'
 DATE 09-18-09

DRAWN BY MD
 CHECKED BY HLG

ROBINSON ENGINEERING, LTD.
 7300 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473
 (708) 331-6700 FAX (708) 331-3626
 ILLINOIS DESIGN FIRM REGISTRATION NO. 184601128 05025_04-XSEC-01

F. A. U. SHEET	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4304	04-00045-00-FP	WILL	033	030
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT #63108				



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**RATHJE ROAD RECONSTRUCTION
CROSS SECTIONS**

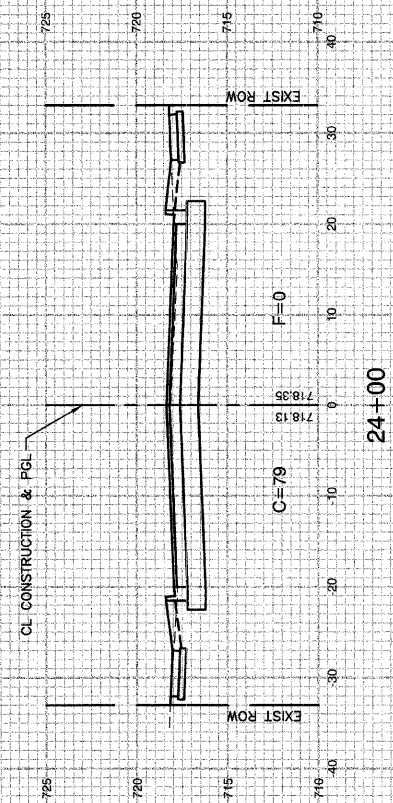
SCALE: VERT. 1" = 5'
HORIZ. 1" = 10'

DATE 09-18-09

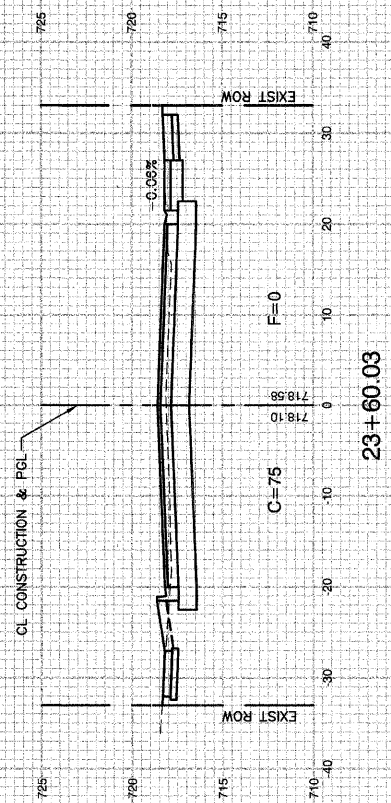
DRAWN BY MD
CHECKED BY HLG

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17000 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473
(708) 321-8770 FAX (708) 321-3328
ILLINOIS DESIGN FIRM REGISTRATION NO. 156071/26 05025_04-XSEC-01

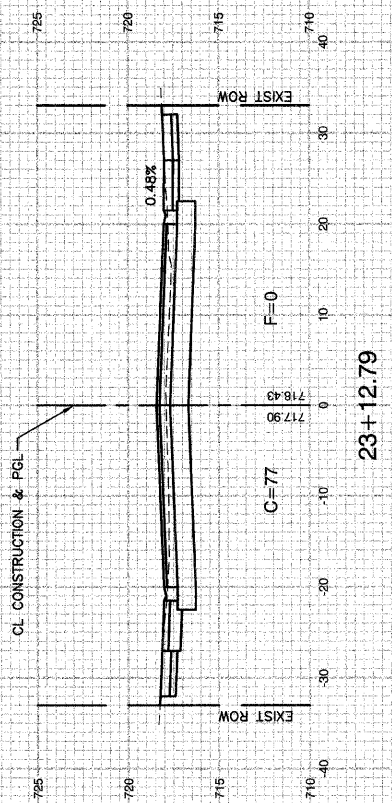
P. A. U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT #63108				



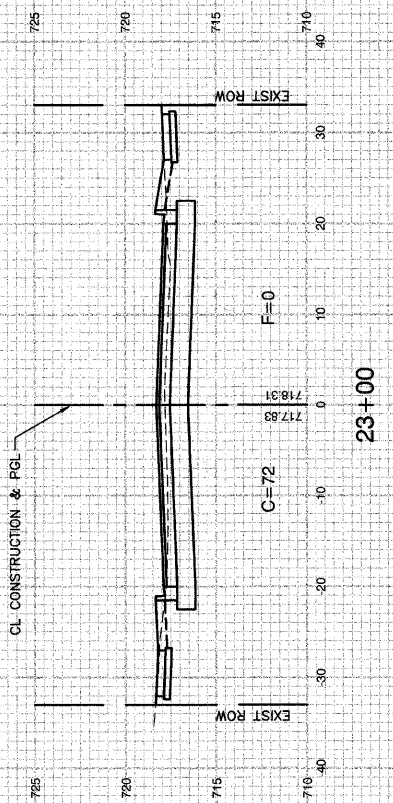
24+00



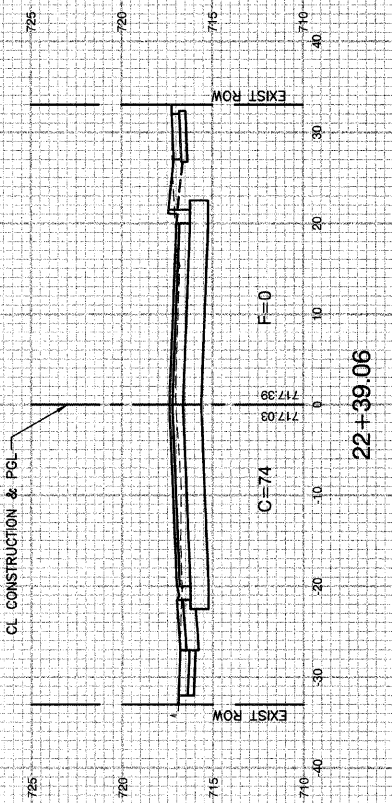
23+60.03



23+12.79



23+00



22+39.06

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**RATHJE ROAD RECONSTRUCTION
CROSS SECTIONS**

SCALE: VERT. 1" = 5'
HORIZ. 1" = 10'

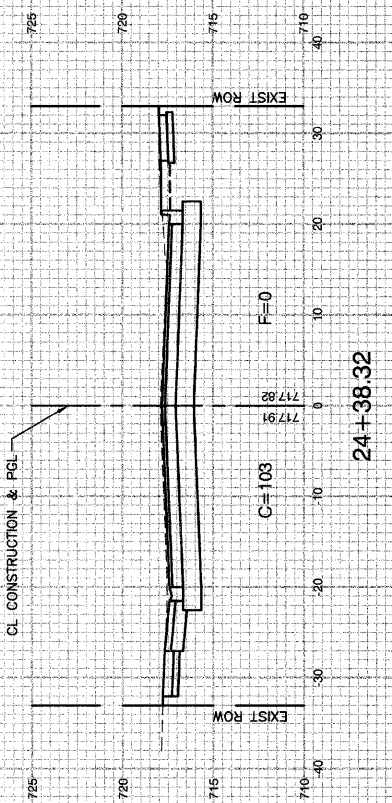
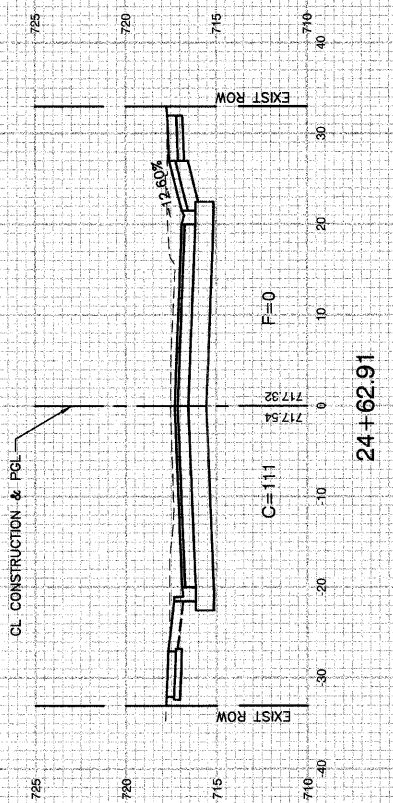
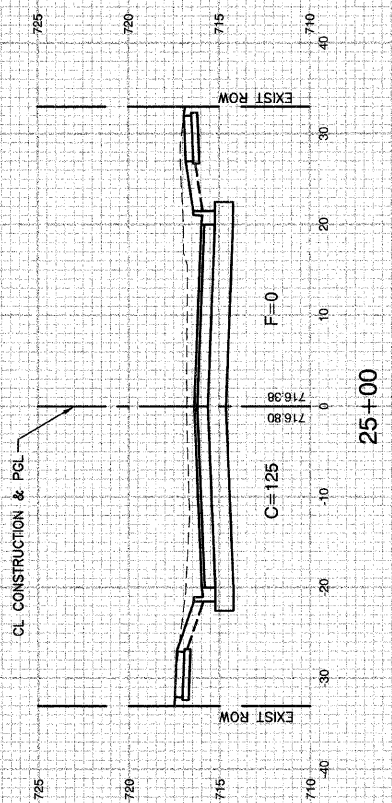
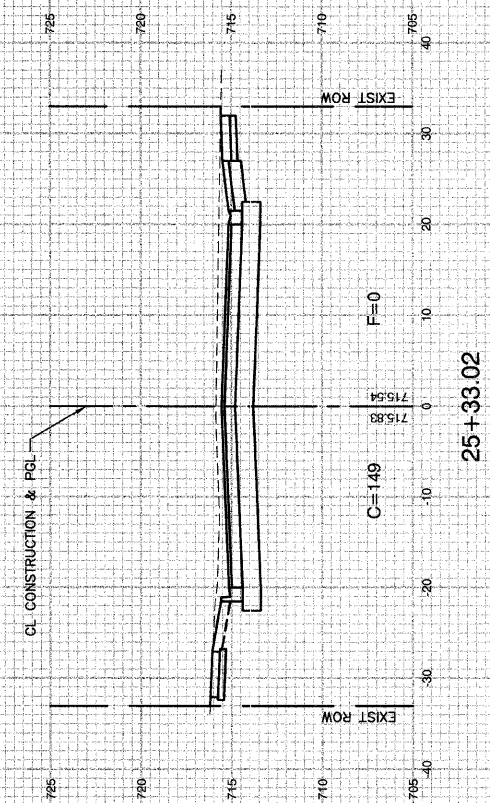
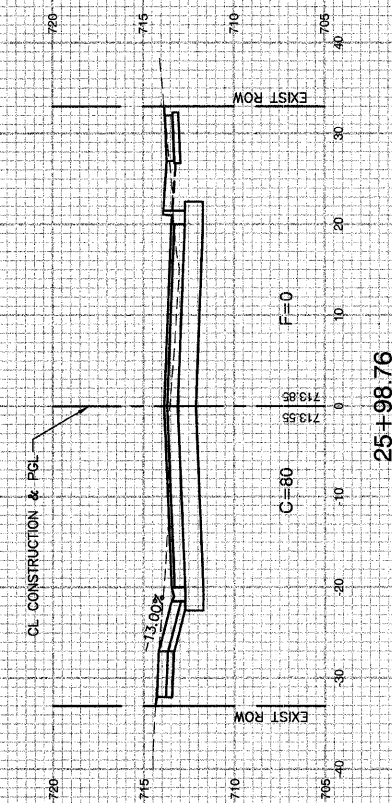
DRAWN BY MD

DATE 09-18-09

CHECKED BY HLG

ROBINSON ENGINEERING, LTD.
1700 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473
(708) 381-8700 FAX (708) 381-8828
ILLINOIS DESIGN FIRM REGISTRATION NO. 156021120 09/25_04-XSEC-01

F. A. U. REC.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4304	04-00045-00-PP	WILL	033	032
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT #63108				



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**RATHJE ROAD RECONSTRUCTION
CROSS SECTIONS**

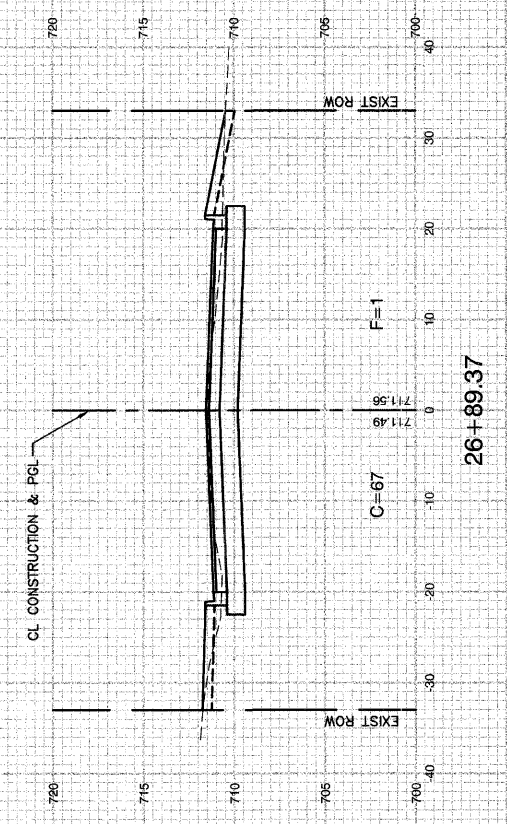
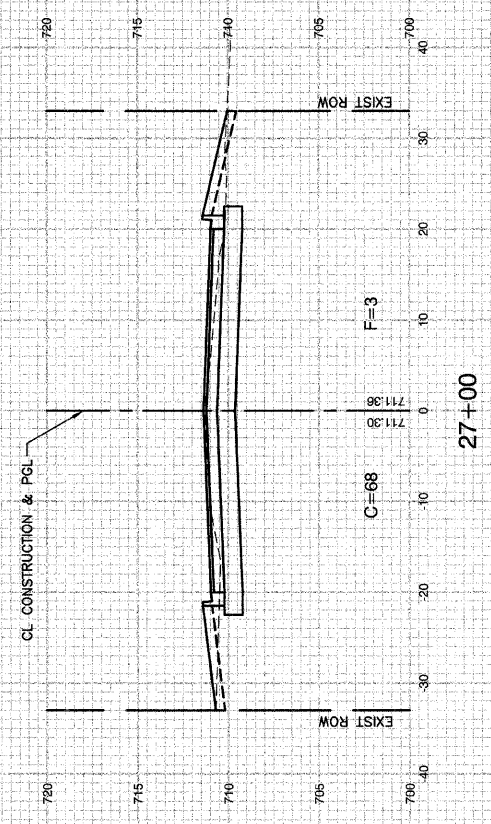
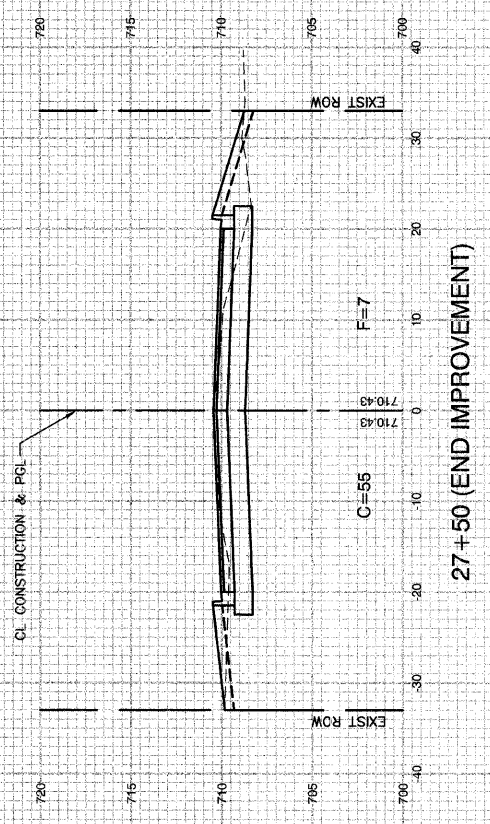
SCALE: VERT. 1" = 5'
HORIZ. 1" = 10'

DATE 09-18-09

DRAWN BY MD
CHECKED BY HLG

ROBINSON ENGINEERING, LTD.
1700 SOUTH PARK AVENUE, SOUTH HOLLAND, ILLINOIS 60473
(708) 331-6700 FAX (708) 331-3826
ILLINOIS DESIGN FIRM REGISTRATION NO. 154001128 06025_04-XSEC-01

F. A. U. SHEET	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4304	04-00045-00-FP	WILL	033	033
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT #63108				



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**RATHJE ROAD RECONSTRUCTION
CROSS SECTIONS**

SCALE: VERT. 1" = 5'
 HORIZ. 1" = 10'
 DATE 09-18-09

DRAWN BY MD
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 1700 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473
 (708) 351-6700 FAX (708) 351-9826
 ILLINOIS DESIGN FIRM REGISTRATION NO. 154001128

06025_04-XSEC-01