

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

# STATE OF ILLINOIS

## DEPARTMENT OF TRANSPORTATION

### DIVISION OF HIGHWAYS

#### SURFACE TRANSPORTATION URBAN PROGRAM

# FAU 6208 (CARDINAL DRIVE)

## VILLAGE OF BRADLEY

SECTION 07-00093-00-RP  
 PROJECT NO. M-5034(18)  
 JOB NO. C-93-041-07

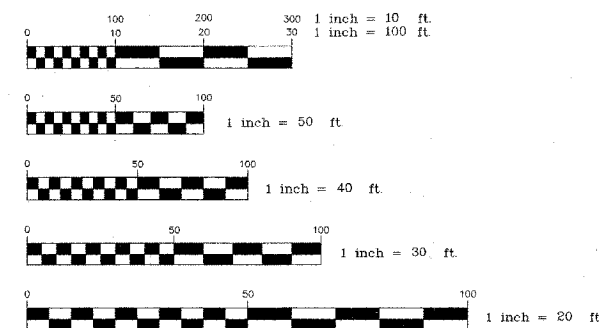
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6208	07-00093-00-RP	KANKAKEE	43	01
MG2A# M2-096			CONTRACT NO.: 87342	

### INDEX OF SHEETS

- 01 COVER SHEET
- 02 GENERAL NOTES
- 03 SUMMARY OF QUANTITIES
- 04 TYPICAL SECTIONS
- 05-08 SCHEDULES
- 09 ALIGNMENT, TIES & BENCHMARKS
- 10-18 PLAN & PROFILE - CARDINAL DR.
- 19-21 PAVEMENT MARKING
- 22-23 STORM WATER POLLUTION PREVENTION PLAN
- 24-25 DETAILS
- 26 TRAFFIC CONTROL & DETOUR MAP
- 27-43 CROSS SECTIONS - CARDINAL DR.

### HIGHWAY STANDARDS

- 280001-04 TEMPORARY EROSION CONTROL SYSTEMS
- 424001-05 CURB RAMPS FOR SIDEWALKS
- 542301-01 PRECAST REINFORCED CONCRETE FLARED END SECTION
- 542306-01 PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
- 542311 GRATING FOR CONCRETE FLARED END SECTION
- 602301-01 INLET - TYPE A
- 602306-01 INLET - TYPE B
- 602401-01 MANHOLE, TYPE A
- 602406-02 MANHOLE, TYPE A (6") DIAMETER
- 602411 MANHOLE, TYPE A (7") DIAMETER
- 602601-01 PRECAST REINFORCED CONCRETE FLAT SLAB TOP
- 604001-02 FRAME AND LIDS, TYPE 1
- 604051-02 FRAME AND GRATE, TYPE 11
- 604056-02 FRAME AND GRATE, TYPE 11V
- 606001-03 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 701006-02 OFF-RD OPERATIONS, 2L, 2W, 15'-24" FROM PAVEMENT EDGE
- 701011-01 OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
- 701301-02 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701501-04 URBAN LANE CLOSURE, 2L, 2W UNDIVIDED
- 701901 TRAFFIC CONTROL DEVICES
- 720006-01 SIGN PANEL ERECTION DETAILS
- 728001 TELESCOPING STEEL SIGN SUPPORT
- 780001-01 TYPICAL PAVEMENT MARKINGS
- BLR 22-5 TYPICAL APPLICATIONS OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS



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.

CONTRACT NO.: 87342

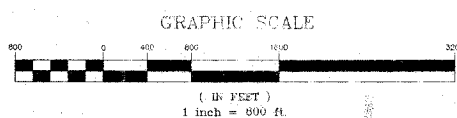
FUNCTIONAL CLASSIFICATION- URBAN TWO WAY COLLECTOR  
 CURRENT 2007 ADT = 3250 M.U. 1% S.U. 4% P.V. 95%  
 DESIGN 2028 ADT = 9100 M.U. 1% S.U. 4% P.V. 95%  
 DESIGN SPEED - 30 M.P.H.

THIS PROJECT IS BUILT IN ACCORDANCE WITH URBAN RECONSTRUCTION POLICIES AS OUTLINED IN THE BUREAU OF LOCAL ROADS & STREETS MANUAL

CARDINAL DR.  
 END OF IMPROVEMENTS STA. 104+68



TOWNSHIP 31 N RANGE 12 E



CARDINAL DR.  
 BEGIN IMPROVEMENTS STA. 56+36

GROSS LENGTH - 4832 FT. = 0.915 MILES  
 NET LENGTH - 4832 FT. = 0.915 MILES



**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**DIVISION OF HIGHWAYS**

APPROVED: [Signature] [Signature] 4/2/08  
 VILLAGE OF BRADLEY TITLE DATE

PASSED: [Signature] 5/28/08  
 DISTRICT 3 ENGINEER OF LOCAL ROADS AND STREETS DATE

RELEASED FOR BID  
 BASED ON LIMITED REVIEWS:  
[Signature] 05/28/08  
 DEPUTY DIRECTOR OF HIGHWAYS, REGION 2 ENGINEER DATE

[Signature] 9-3-08  
 MICHAEL A. GINGERICH P.E. # 062-049765 DATE

EXPIRATION DATE OF P.E. LICENSE: 11-30-2009

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240 N. Industrial Drive  
 Bradley, Illinois 60915  
 815-939-4921  
 FAX: 815-939-9810

REVISIONS			
DATE	BY	DESCRIPTION	
2/11/08	AJC/JWP	PER IDOT REVIEW	
3/27/08	JWP	PER IDOT REVIEW	

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 COVER SHEET  
 CARDINAL DRIVE

SCALE: \_\_\_\_\_ DRAWN BY: MJO/AJC  
 DATE: 1/4/08 CHECKED BY: JWP

**GENERAL NOTES**

THE WORK UNDER THIS CONTRACT CONSISTS OF THE FOLLOWING:

1. CONSTRUCTION OF A THREE - LANE FACILITY.
2. A) THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S "IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," LATEST EDITION, HEREIN REFERRED TO AS IDOT STANDARD SPECIFICATIONS.  
B) THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCIES' "STANDARD SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL," LATEST EDITION, HEREIN REFERRED TO AS IEPA EROSION SPECIFICATIONS.
3. CONSTRUCTION OF ROAD APPROACHES, INTERSECTIONS AND ENTRANCES.
4. SIDEWALK, SODDING, AND OTHER WORK NECESSARY TO COMPLETE THE PROJECT.
5. DATUM USED FOR SURVEY IS U.S.G.S.
6. ALL STATIONING IS ALONG THE SURVEY LINE, EXCEPT AS OTHERWISE NOTED.
7. ACCESS TO ENTRANCES SHALL BE MAINTAINED BY THE USE OF TEMPORARY SURFACE AGGREGATE IN ACCORDANCE WITH ARTICLE 107.09 OF THE STANDARD SPECIFICATIONS. HOWEVER, THE COST OF FURNISHING, PLACING AND REMOVING THE TEMPORARY SURFACE AGGREGATE WILL BE INCIDENTAL TO THE PROJECT. AN ESTIMATED QUANTITY OF 400 TONS OF AGGREGATE SURFACE COURSE, TYPE B HAS BEEN INCLUDED IN THE PLANS FOR ACCESS PURPOSES AND NO OTHER COMPENSATION WILL BE ALLOWED.
8. THE THICKNESS OF BITUMINOUS MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATION FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR EXISTING BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
9. EXCEPT AS NOTED IN THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.
10. ALL EXCAVATION UNDER PAVEMENT, SIDEWALK, AND CURB & GUTTER SHALL BE BACKFILLED AND COMPACTED WITH MATERIAL MEETING THE REQUIREMENTS OF SECTION 208. SEPARATE PAYMENT FOR TRENCH BACKFILL SHALL BE MADE ONLY WHEN SPECIFIED IN THE PLANS.
11. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS BITUMINOUS LIFTS.
12. TEMPORARY MARKING TAPE SHALL BE USED FOR ALL TEMPORARY PAVEMENT MARKING ON ALL PAVEMENT LAYERS OPENED TO TRAFFIC.
13. ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR WILL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.
14. ALL SAW CUTTING OF EXISTING PAVEMENT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. THE MINIMUM SAW CUT DEPTH IN THE PAVEMENT SHALL BE FULL DEPTH OF THE ASPHALT, UNLESS OTHERWISE SPECIFIED ON A DETAIL IN THE PLANS.
15. THE CONTRACTOR SHALL PROVIDE TEMPORARY DRAINAGE.
16. FOR NEW CONSTRUCTION, PLACE SIDEWALK RAMPS FOR THE HANDICAPPED (STD 424001 - 04) AT ALL LOCATIONS WHERE PROPOSED SIDEWALK ABUTS CURB AT STREET ENTRANCES.
17. THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER. AFTER CONSTRUCTION IS COMPLETED, THE CONTRACTOR SHALL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER, THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO COMPENSATION WILL BE ALLOWED.
18. ABANDONED UNDERGROUND UTILITY ITEMS WHICH CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
19. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB - NUMBER LISTED IN THE INDEX OF SHEETS, OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107. 31 OF THE STANDARD SPECIFICATIONS. THE JULIE NUMBER IS 1 - 800 - 892 - 0123. A MINIMUM OF FORTY EIGHT (48) HOURS ADVANCE NOTICE IS REQUIRED.

21. WHERE STORM SEWER IS SEPARATED BY LESS THAN 10' FROM WATER MAIN, AND PARALLEL, AND THE WATER MAIN INVERT IS LESS THAN 18" ABOVE THE STORM SEWER CROWN, THE WATER MAIN SHALL BE ENCASED IN WATER MAIN QUALITY CASING ACCORDING TO SECTION 41-2.01 OF "STANDARD SPECIFICATION FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS".
22. THE STORM SEWER SHALL BE CONSTRUCTED WITH A RUBBER GASKET AT ANY LOCATION WHERE A WATER MAIN CROSSES BELOW THE SEWER, REGARDLESS OF VERTICAL SEPARATION, OR WHERE THE BOTTOM OF THE WATER MAIN IS LESS THAN 18" ABOVE THE TOP OF THE SEWER ACCORDING TO SECTION 41-2.01 OF "STANDARD SPECIFICATION FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS".
23. IF DISSIMILAR PIPE MATERIAL EXISTS BETWEEN THE STORM PIPE AND FLARED END SECTION, A CONCRETE COLLAR SHALL BE INSTALLED AT THE JOINT (INCIDENTAL TO CONSTRUCTION).
24. PROTECTIVE COAT SHALL BE APPLIED TO THE SURFACES OF NEW CONCRETE ACCORDING TO ARTICLES 420.18 AND/OR 503.19 OF THE STANDARD SPECIFICATIONS.
25. THERMOPLASTIC PAVEMENT MARKINGS AND PAINT STRIPING QUANTITIES ARE APPROXIMATE ONLY. PAYMENT WILL BE MADE FOR ACTUAL QUANTITIES USED AS MEASURED IN THE FIELD.
26. THE FOLLOWING UTILITY COMPANIES HAVE UTILITIES WITHIN THE LIMITS OF CONSTRUCTION. ANY ADJUSTMENT OF UTILITY LOCATIONS WILL BE MADE BY THE UTILITY OWNER, UNLESS OTHERWISE NOTED ON THE PLANS. **NO DOWNTIME OR COST COMPENSATION WILL BE ALLOWED FOR ANY UTILITY RELOCATION WORK.**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6208	07-00093-00-RP	KANKAKEE	43	02
MG2A# M2-096			CONTRACT NO.: 87342	

**LEGEND**

EXISTING	PROPOSED	ITEM
⊙	⊙	ESDA SIREN POLE
⊙	⊙	CABLE TV BOX
⊙	⊙	LIGHT POLE
⊙	⊙	TRAFFIC SIGNAL BOX
⊙	⊙	SOIL BORING
⊙	⊙	WATER SERVICE BOX
⊙	⊙	UTILITY POLE GUY WIRE
⊙	⊙	UTILITY POLE
⊙	⊙	TELEPHONE PEDESTAL
⊙	⊙	HANDHOLE
⊙	⊙	ELECTRIC TRANSFORMER
⊙	⊙	FIRE HYDRANT
⊙	⊙	WATER VALVE
⊙	⊙	GUARDRAIL
⊙	⊙	TRAFFIC SIGNAL MAST ARM
⊙	⊙	OVERHEAD UTILITY WIRES
⊙	⊙	CULVERT
⊙	⊙	WATER MAIN
⊙	⊙	GAS MAIN
⊙	⊙	STORM SEWER
⊙	⊙	SANITARY SEWER
⊙	⊙	SANITARY FORCE MAIN
⊙	⊙	STORM ID
⊙	⊙	FLARED END SECTION
⊙	⊙	INLET
⊙	⊙	MANHOLE
⊙	⊙	TREE/BUSH
⊙	⊙	EDGE OF PAVEMENT
⊙	⊙	CURB & GUTTER
⊙	⊙	RIGHT-OF-WAY
⊙	⊙	REMOVE OBJECT
⊙	⊙	DETECTABLE WARNING FOR CURB RAMPS
⊙	⊙	FLOW DIRECTION

UTILITY	STATUS OF RELOCATION		
	PRELIMINARY PLANS SET	DATE	RELOCATION PRIOR TO CONSTRUCTION
<b>ELECTRIC</b> COM ED DAVE NELSON 2500 S GOVERNORS HWY MONEE, IL 60466 708-235-2350	FINAL PLAN SET	2/12/08	RELOCATION PRIOR TO CONSTRUCTION
<b>TELEPHONE</b> AT&T THOMAS C KRITENBRINK, JR 2427 UNION STREET, FLOOR 2 BLUE ISLAND, IL 60606 708-396-8080	FINAL PLAN SET	2/12/08	RELOCATION PRIOR TO CONSTRUCTION
<b>CABLE</b> COMCAST JIM BRANDT 6 DEARBORN SQUARE KANKAKEE, IL 60901 815-937-2708	FINAL PLAN SET	2/12/08	RELOCATION PRIOR TO CONSTRUCTION
<b>GAS</b> NICOR CONSTANCE LANE PO BOX 190 AURORA, IL 60507-0190	FINAL PLAN SET	2/12/08	RELOCATION PRIOR TO CONSTRUCTION
<b>WATER</b> AQUA RODNEY PHILLIPPI 1000 S SCHUYLER AVE KANKAKEE, IL 60901 815-935-6535	FINAL PLAN SET	2/12/08	RELOCATION PRIOR TO CONSTRUCTION

**SANITARY SEWERS**  
VILLAGE OF BRADLEY  
BOB CULLINS  
147 S MICHIGAN  
BRADLEY, IL 60915  
815-933-5008

**PUBLIC WORKS**  
VILLAGE OF BRADLEY  
JIM TRAVIS  
147 S MICHIGAN  
BRADLEY, IL 60915  
815-933-5008

**TRAFFIC SIGNALS**  
KANKAKEE COUNTY HIGHWAY DEPARTMENT  
JIM PIEKARCZYK  
750 S EAST AVENUE  
KANKAKEE, IL 60901-0825  
815-933-1731

**PAVEMENT DESIGN**

CLASS II, 3-LANE PAVEMENT  
D.P. - 20 YEARS  
DESIGN TRAFFIC  
EXISTING ADT: 3250 5% GROWTH  
PROPOSED ADT: 9100  
PV (95%): 8645 SU (4%): 364 MU (1%): 91  
73,280 POUND LOAD LIMIT  
CRITICAL SUBGRADE ERI: 2KSI  
T.F.=D.P. (0.073PV+44.53SU+156.403MU)  
1,000,000  
  
T.F. = 0.62  
SUBGRADE SUPPORT RATING: POOR  
USE AC-20 BECAUSE OF STOPPING AND STARTING  
MIXTURE TEMPERATURE: 78.6  
Eac: 580  
DESIGN STRAIN: 125  
**PAVEMENT THICKNESS REQUIRED: 10.0"**

USE: 10"

	HMA BINDER	HMA LEVEL BINDER	HMA SURFACE	HMA BASE COURSE
PG GRADE	PG58-22	PG58-22	PG54-22	PG58-22
MAX % RAP ALLOWABLE**	25%	25%	15%	25%
DESIGN AIR VOIDS	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION	IL 19.0	IL 9.5	IL 12.5 OR IL 9.5	IL 19.0
FRICTION AGGREGATE			MIXTURE D	
DENSITY TEST METHOD	NUCLEAR/CORES	SATISFACTION OF ENGINEER	NUCLEAR/CORES	NUCLEAR/CORES

\*\* IF THE RAP PERCENTAGE IS DIFFERENT THAN LISTED ABOVE, THE PG GRADE MAY NEED ADJUSTED. THIS WILL BE DETERMINED BY THE ENGINEER.



REVISIONS		
DATE	BY	DESCRIPTION
2/11/08	AJC/WP	PER IDOT REVIEW
3/27/08	JWP	PER IDOT REVIEW

ILLINOIS DEPARTMENT OF TRANSPORTATION  
GENERAL NOTES & LEGEND  
CARDINAL DRIVE  
  
SCALE: DRAWN BY: MJO/AJC  
DATE: 1/4/08 CHECKED BY: JWP

### SUMMARY OF QUANTITIES

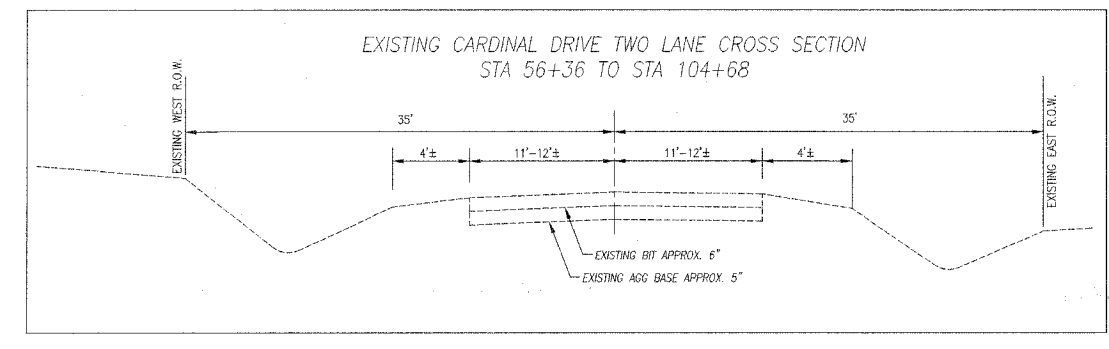
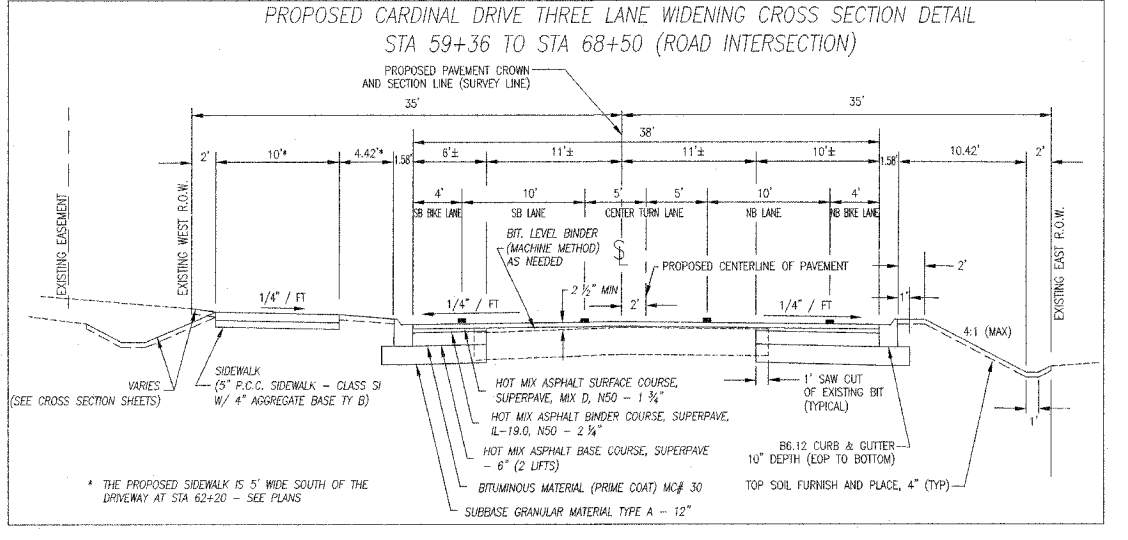
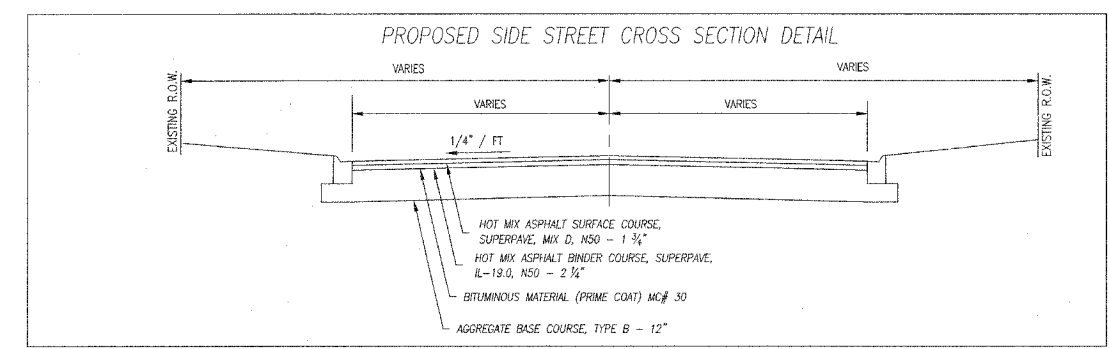
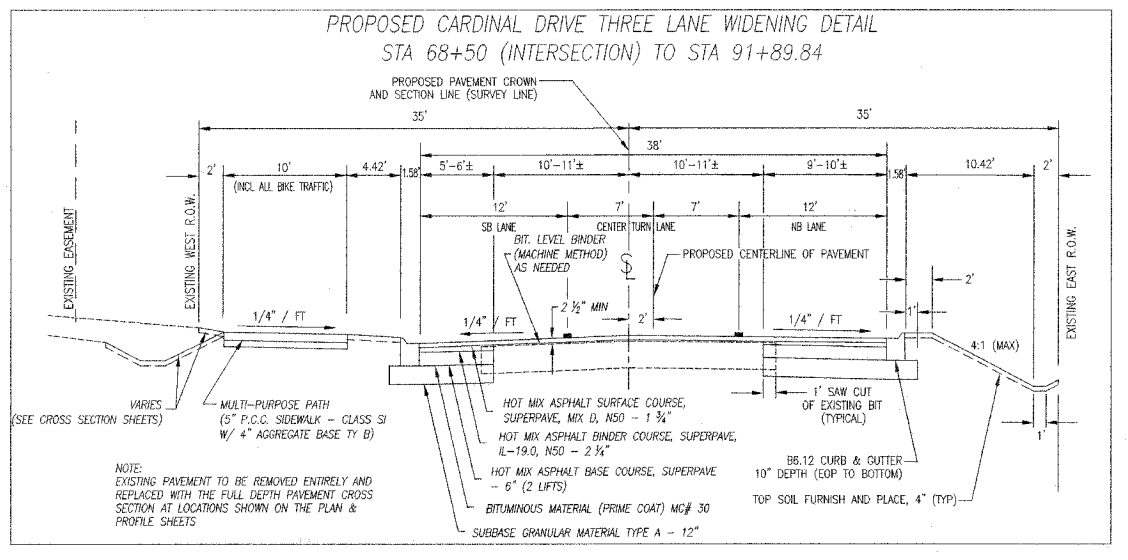
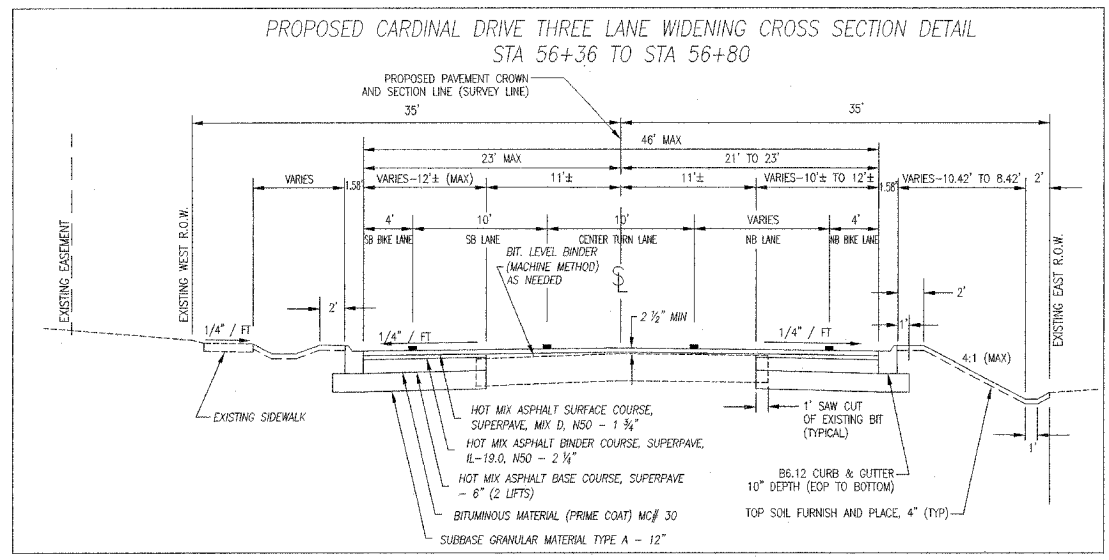
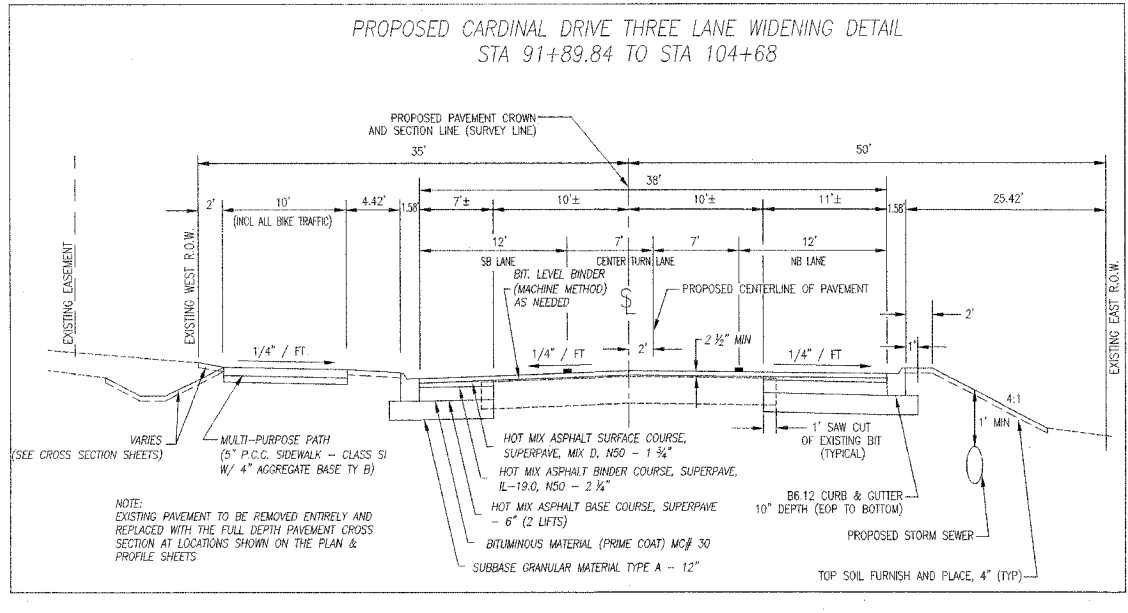
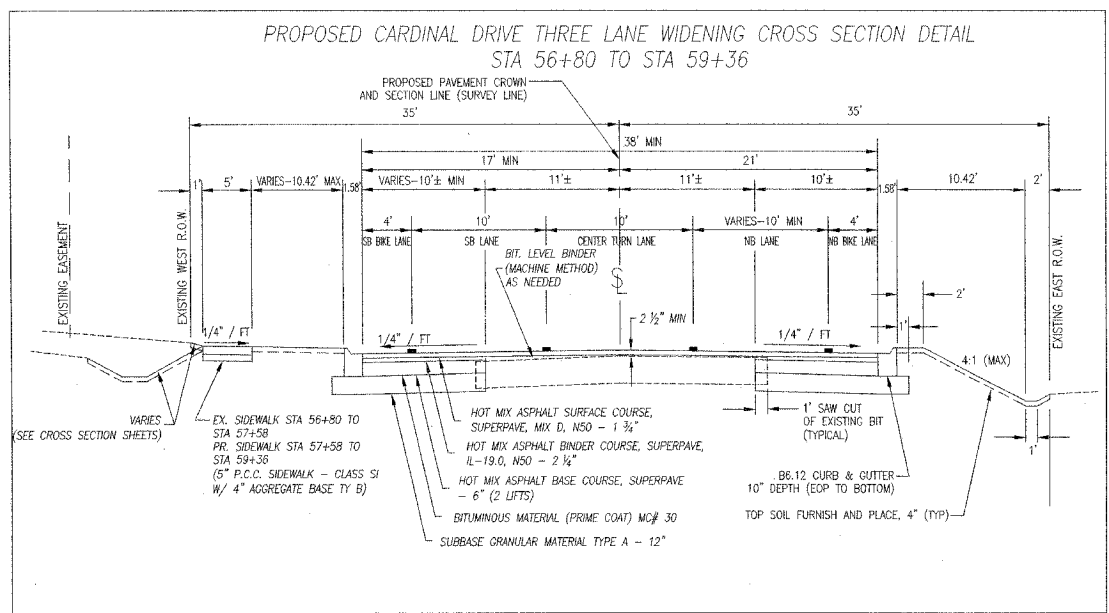
CODED PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY
20100110	Tree Removal (6 to 15 units diameter)	unit	30
20100210	Tree Removal (over 15 units diameter)	unit	39
20200100	Earth Excavation	cu yd	7290
20800150	Trench Backfill	cu yd	1261
* 25000900	Seeding, Class 1 (Special)	acre	2.61
* 25200700	Sodding, Special	sq yd	228
28000500	Inlet and Pipe Protection	each	78
28100105	Stone RIP RAP, Class A3	sq yd	12
* 28100107	Stone RIP RAP, Class A4	sq yd	67
31100910	Sub-base Granular Material, Type A 12"	sq yd	13,558
35101600	Aggregate Base Course, Type B 4"	sq yd	5158
35102000	Aggregate Base Course, Type B 8"	sq yd	601
35102400	Aggregate Base Course, Type B 12"	sq yd	199
35501308	Hot-Mix Asphalt Base Course, 6"	sq yd	11,026
40201000	Aggregate for Temporary Access	ton	400
40600100	Bituminous Materials (Prime Coat)	gal	3935
40600625	Leveling Binder (Machine Method), N50	ton	391
40600982	Hot-Mix Asphalt Surface Removal - Butt Joint	sq yd	547
40603080	Hot-Mix Asphalt Binder Course, IL-19.0, N50	ton	1419
40603335	Hot-Mix Asphalt Surface Course, Mix "D", N50	ton	2127
42300200	Portland Cement Concrete Driveway Pavement, 6 inch	sq yd	454
42400200	Portland Cement Concrete Sidewalk 5 inch	sq ft	42,387
42400800	Detectable Warnings	sq ft	121
44000100	Pavement Removal	sq yd	2848
44000200	Driveway Pavement Removal	sq yd	1142
44000500	Combination Curb and Gutter Removal	foot	215
* 44300900	Strip Reflective Crack Control Treatment, System A	foot	7940
48100300	Aggregate Shoulder, Type A 4"	sq yd	44
50100300	Removal of Existing Structures No. 1	each	1
* 50105220	Pipe Culvert Removal	foot	1226
54001000	Box Culvert End Sections	each	2
54010606	Precast Concrete Box Culvert 6'x 6'	foot	78
54213663	Precast Reinforced Concrete Flared End Sections 18"	each	1
54214737	Precast Reinforced Concrete Flared End Sections- Elliptical, Equivalent Round-Size 42"	each	1
54216180	Reinforced Concrete Pipe Tee, 12" Pipe with 12" Riser	each	3
54216185	Reinforced Concrete Pipe Tee, 15" Pipe with 12" Riser	each	1
54216190	Reinforced Concrete Pipe Tee, 18" Pipe with 12" Riser	each	5
54216195	Reinforced Concrete Pipe Tee, 21" Pipe with 12" Riser	each	2
550A0050	Storm Sewers, Class A, Type 1 12"	foot	2715
550A0070	Storm Sewers, Class A, Type 1 15"	foot	359
550A0090	Storm Sewers, Class A, Type 1 18"	foot	1198
550A0110	Storm Sewers, Class A, Type 1 21"	foot	254
550A0120	Storm Sewers, Class A, Type 1 24"	foot	25
550A0140	Storm Sewers, Class A, Type 1 30"	foot	42
550A0340	Storm Sewers, Class A, Type 2 12"	foot	327
550A0380	Storm Sewers, Class A, Type 2 18"	foot	624
550A0400	Storm Sewers, Class A, Type 2 21"	foot	195
55034700	Storm Sewers, Type 1, Reinforced Concrete Elliptical Pipe, Span 53, Rise 34	foot	67
60218400	Manholes Type A, 4'-Diameter, Type 1 Frame, Closed Lid	each	18
60219300	Manholes Type A, 4'-Diameter, Type 11 Frame and Grate	each	3
60221000	Manholes Type A, 5'-Diameter, Type 1 Frame, Open Lid	each	1
60221100	Manholes Type A, 5'-Diameter, Type 1 Frame, Closed Lid	each	1
60222000	Manholes Type A, 5'-Diameter, Type 11 Frame and Grate	each	2
60223700	Manholes Type A, 6'-Diameter, Type 1 Frame, Open Lid	each	1
60224445	Manholes Type A, 7'-Diameter, Type 1 Frame, Open Lid	each	1
60234200	Inlets Type A, Type 1 Frame, Open Lid	each	2
60235300	Inlets Type A, Type 1 Frame, Closed Lid	each	2
60236800	Inlets Type A, Type 11 Frame and Grate	each	19
60237490	Inlets Type A, Type 37M Grate	each	27
6700100	Modular Form	L Sum	1

CODED PAY ITEM NO.	ITEM	UNIT	TOTAL QUANTITY
60240210	Inlets Type B, Type 1 Frame, Open Lid	each	3
60240215	Inlets Type B, Type 1 Frame, Closed Lid	each	7
60240310	Inlets Type B, Type 11 Frame and Grate	each	18
60240330	Inlets Type B, Type 37M Grate	each	2
60255500	Manholes to be Adjusted	each	7
60257900	Manholes to be Reconstructed	each	2
60300105	Frames and Grates to be Adjusted	each	3
60500060	Removing Inlets	each	1
60603800	Combination Concrete Curb and Gutter, Type B-6.12	foot	9536
63200310	Guardrail Removal	foot	134
* 70101700	Traffic Control and Protection	lump sum	1
* 70300220	Temporary Pavement Marking, Line 4"	foot	1130
72000100	Sign Panel - Type 1	sq ft	25.30
72800100	Telescoping Steel Sign Support	foot	223
Δ 78000100	Thermoplastic Pavement Marking - Letters and Symbols	sq ft	1035.4
Δ 78000400	Thermoplastic Pavement Marking - Line 6"	foot	13,501
Δ 78000500	Thermoplastic Pavement Marking - Line 8"	foot	3642
Δ 78000600	Thermoplastic Pavement Marking - Line 12"	foot	539
Δ 78000650	Thermoplastic Pavement Marking - Line 24"	foot	139
Δ 78001110	Paint Pavement Marking - Line 4"	foot	150
* X0504200	Concrete Headwall	each	2
X0656300	Pavement Removal and Replacement	sq yd	291
X7240500	Relocate Existing Signs	each	9
* XX000610	Relocate Existing Mailbox	each	30
* XX001877	Sump Pump Line Connection	each	4
* XX003437	Remove and Reinstall Existing Precast Reinforced Concrete Flared End Sections	each	2
* XX005843	Incidental Bituminous Surfacing	sq yd	601
* XX007183	Combination Concrete Curb and Gutter, Type M-3.12	foot	7
* XX104100	Connection to Existing Manhole	each	2
* XZ127900	Retaining Wall Removal	foot	61
* X0322054	Removal of Precast Flared End Section	each	3
* XX007493	Connect to Box Culvert	each	1

\* See Special Provisions  
 Δ Specialty Items



REVISIONS			
DATE	BY	DESCRIPTION	
2/11/08	AJC/MP	PER IDOT REVIEW	
3/27/08	JWP	PER IDOT REVIEW	
4/1/08	JWP	PER REVIEWS	
5/7/08	JWP	ONE PATH REVISION PER COMMENT	



**PAVEMENT DESIGN**  
 CLASS II, 3-LANE PAVEMENT  
 D.P. - 20 YEARS  
 DESIGN TRAFFIC  
 EXISTING ADT: 3250 5% GROWTH  
 PROPOSED ADT: 9100  
 PV (95%): 8645 SU (4%): 364 MU (1%): 91  
 73,280 POUND LOAD LIMIT  
 CRITICAL SUBGRADE ERI: 2KSI  
 T.F.-D.P. (0.073PV+44.53SU+156.403MU)  
 1,000,000

T.F. = 0.62  
 SUBGRADE SUPPORT RATING: POOR  
 USE AC-20 BECAUSE OF STOPPING AND STARTING  
 MIXTURE TEMPERATURE: 78.6  
 Eac: 580  
 DESIGN STRAIN: 125  
**PAVEMENT THICKNESS REQUIRED: 10.0"**

USE: 10"

<p><b>M. GINGERICH, GERAUX &amp; ASSOCIATES</b></p> <p>240 N. Industrial Drive          Bradley, Illinois 60915          815-939-4921          FAX: 815-939-9810</p>	<b>REVISIONS</b>			ILLINOIS DEPARTMENT OF TRANSPORTATION TYPICAL SECTION SHEET CARDINAL DRIVE
	DATE	BY	DESCRIPTION	
	2/11/08	AJC/JWP	PER IDOT REVIEW	
	3/27/08	JWP	PER IDOT REVIEW	
	4/1/08	JWP	PER REVIEWS	
5/7/08	JWP	BIKE PATH REVISION PER COMMENT		
SCALE: _____ DRAWN BY: MJO/AJC DATE: 1/4/08 CHECKED BY: JWP				



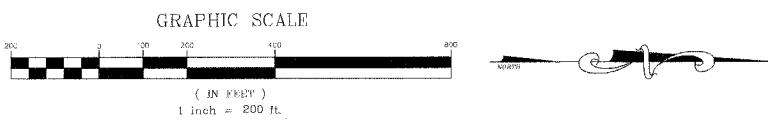
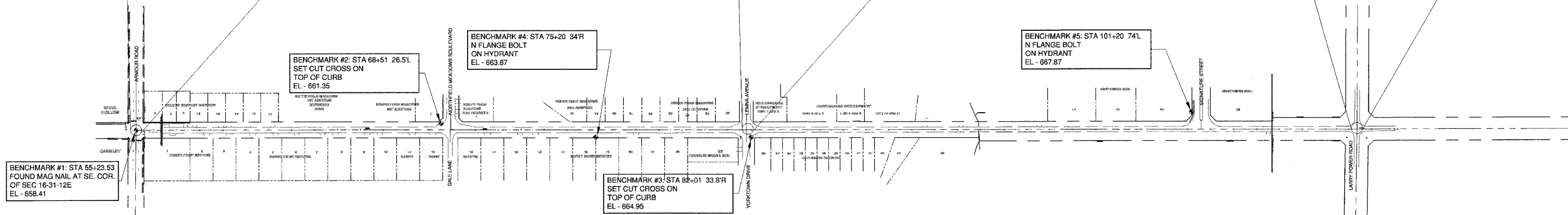
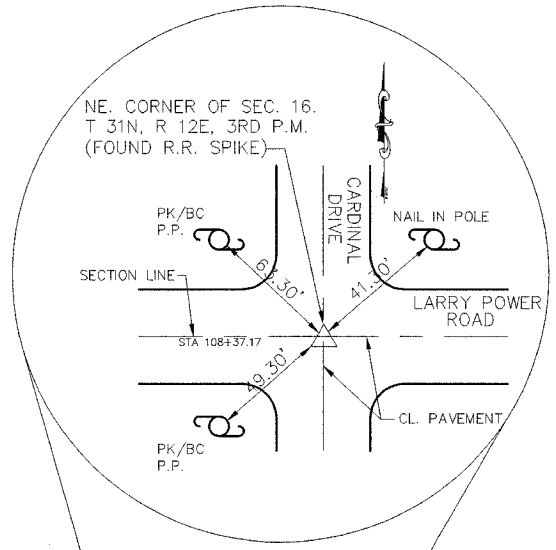
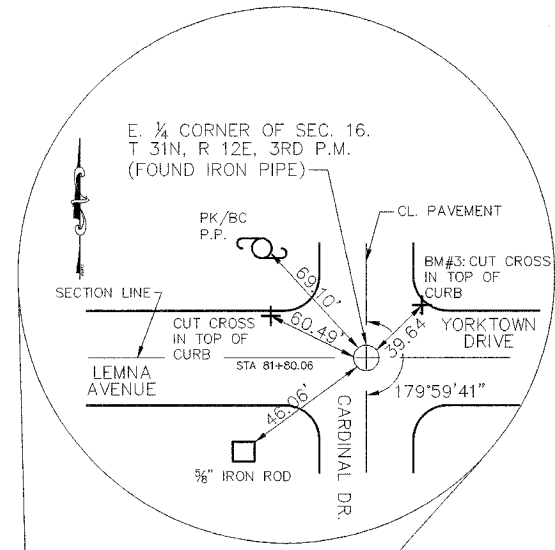
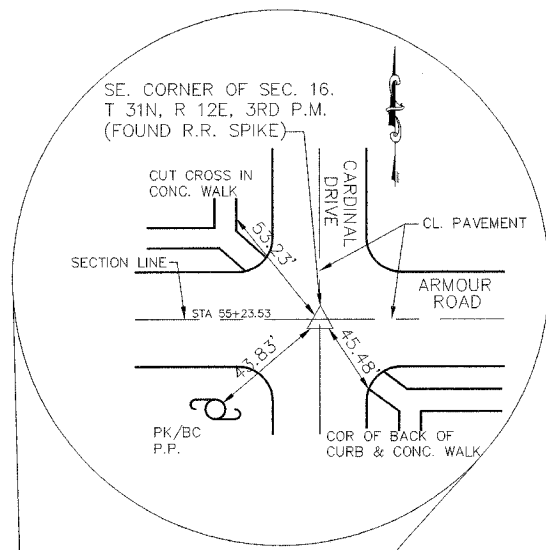








F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6208	07-00093-00-RP	KANKAKEE	43	09
MG2A# M2-096		CONTRACT NO.: 87342		



BENCHMARK #1: STA 55+23.53  
FOUND MAG NAIL AT SE. COR.  
OF SEC 16-31-12E  
EL - 658.41

BENCHMARK #2: STA 68+51 26.5L  
SET CUT CROSS ON  
TOP OF CURB  
EL - 661.35

BENCHMARK #4: STA 75+20 34'R  
N FLANGE BOLT  
ON HYDRANT  
EL - 663.87

BENCHMARK #3: STA 82+01 33.8'R  
SET CUT CROSS ON  
TOP OF CURB  
EL - 664.95

BENCHMARK #5: STA 101+20 74'L  
N FLANGE BOLT  
ON HYDRANT  
EL - 667.67

**M<sup>2</sup>**  
**M. GINGERICH, GERAUX**  
ASSOCIATES

240 N. Industrial Drive  
Bradley, Illinois 60915  
815-939-4921  
FAX : 815-939-9810

REVISIONS		
DATE	BY	DESCRIPTION
2/11/08	AJC/JWP	PER IDOT REVIEW
3/27/08	JWP	PER IDOT REVIEW

ILLINOIS DEPARTMENT OF TRANSPORTATION  
ALIGNMENT, BENCHMARKS & TIES  
CARDINAL DRIVE

SCALE: DRAWN BY: MJC/AJC  
DATE: 1/4/08 CHECKED BY: JWP

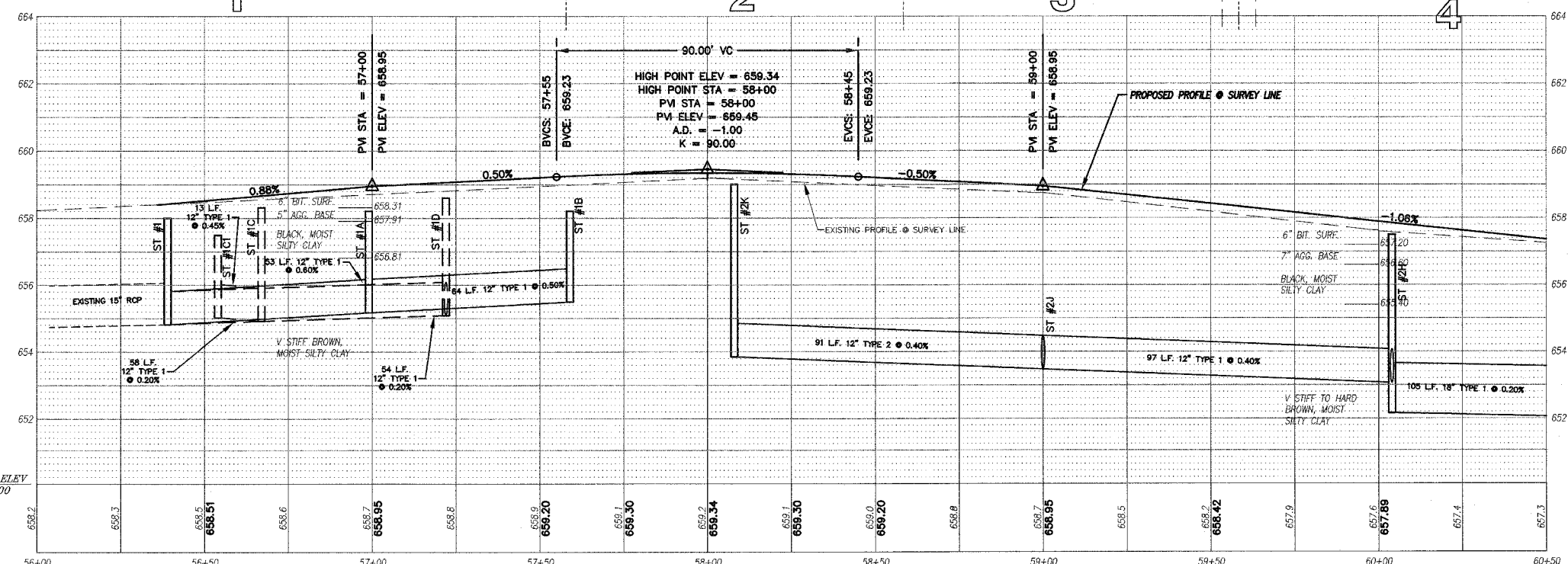
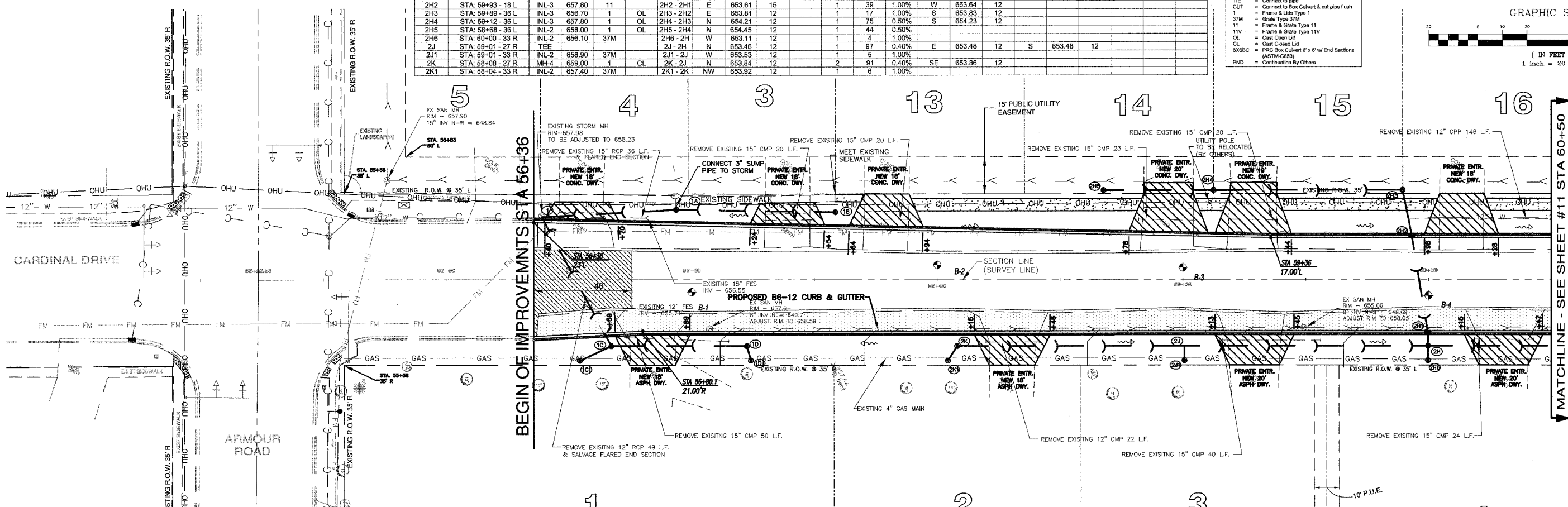
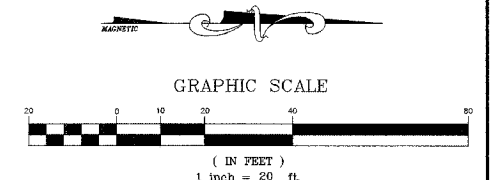
STORM SEWER STRUCTURES & PIPES

Structure ID	Location	Structure Information		IDOT Type Fr	Lid	Pipe Segment	Direction	Invert	Out Pipe		Slope	Direction	In Pipe		Direction	In Pipe		
		Type	Rim Elev						Pipe Size (in)	Length (ft)			Pipe Type	Invert		Pipe Size (in)	Invert	Pipe Size (in)
1	STA: 56+39 - 25 L	EXMH	658.20	37M		1A-1	S	655.15	12	1	53	0.60%	N	654.83	12	NE	654.83	12
1A	STA: 56+94 - 29 L	INL-3	658.20	37M		1B-1A	S	655.49	12	1	64	0.50%	N	655.17	12			
1B	STA: 57+59 - 29 L	INL-2	658.20	37M														
1C	STA: 56+67 - 27 R	INL-3	658.30	1	CL	1C-1	SW	654.95	12	1	58	0.20%	SE	654.97	12	N	654.97	12
1C1	STA: 56+64 - 33 R	INL-2	657.50	37M		1C1-1C	NW	655.03	12	1	13	0.45%						
1D	STA: 57+22 - 27 R	INL-3	658.00	1	CL	1D-1C	S	655.08	12	1	54	0.20%	NE	655.10	12			
1D1	STA: 57+24 - 33 R	INL-2	657.60	37M		1D1-1D	SW	655.13	12	1	5	0.50%						
2H	STA: 60+00 - 27 R	MH-4	657.50	1	CL	2H-2G	N	652.17	18	1	105	0.20%	W	653.17	15	E	653.07	12
2H1	STA: 60+00 - 22 R	INL-3	657.40	11		2H1-2H	E	653.20	15	1	3	1.00%	W	653.22	15			
2H2	STA: 59+93 - 18 L	INL-3	657.60	11		2H2-2H1	E	653.61	15	1	39	1.00%	W	653.64	12			
2H3	STA: 59+89 - 36 L	INL-3	656.70	1	OL	2H3-2H2	E	653.81	12	1	17	1.00%	S	653.83	12			
2H4	STA: 59+12 - 36 L	INL-3	657.80	1	OL	2H4-2H3	N	654.21	12	1	75	0.50%	S	654.23	12			
2H5	STA: 58+88 - 36 L	INL-2	658.00	1	OL	2H5-2H4	N	654.45	12	1	44	0.50%						
2H6	STA: 60+00 - 33 R	INL-2	656.10	37M		2H6-2H1	W	653.11	12	1	7	1.00%						
2J	STA: 59+01 - 27 R	TEE	658.00	1		2J-2H	N	653.46	12	1	97	0.40%	E	653.48	12	S	653.48	12
2J1	STA: 59+01 - 33 R	INL-2	658.90	37M		2J1-2J	W	653.53	12	1	5	1.00%						
2K	STA: 58+08 - 27 R	MH-4	659.00	1	CL	2K-2J	N	653.84	12	2	91	0.40%	SE	653.86	12			
2K1	STA: 58+04 - 33 R	INL-2	657.40	37M		2K1-2K	NW	653.92	12	1	6	1.00%						

STORM STRUCTURE LEGEND

- EXMH = Existing manhole
- FES = R/R Flared End Section
- INL-2 = Inlet Type A, 2 Dia
- INL-SP = Inlet Type A, 2 Dia (Special)
- INL-3 = Inlet Type B, 3 Dia
- CB-4 = Catch Basin Type A, 4 Dia
- CB-5 = Catch Basin Type A, 5 Dia
- MH-4 = Manhole Type A, 4 Dia
- MH-5 = Manhole Type A, 5 Dia
- MH-6 = Manhole Type A, 6 Dia
- MH-7 = Manhole Type A, 7 Dia
- RES-6 = Resistor CRASIN, 6 Dia
- RES-8 = RCP Inlet Tee
- INL-SP = Inlet Type A (Special)
- TEE = Connect to Box Culvert & cut pipe flush
- CON = Connect to pipe
- 37M = Frame & Grate Type 1
- 11 = Frame & Grate Type 11
- 11V = Frame & Grate Type 11V
- CL = Cast Open Lid
- OL = Cast Closed Lid
- 6X6BC = R/R Box Culvert 6' x 6' w/ End Sections (ASTM C900)
- END = Continuation By Others

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6208	07-00093-00-RP	KANKAKEE	43	10
MG2A# M2-096		CONTRACT NO.: 87342		



LEGEND

- [Hatched Box] - PAVEMENT WIDENING
- [Hatched Box] - PAVEMENT REMOVAL
- [Hatched Box] - BUTT JOINT
- [Line with Arrow] - PROPOSED STORM SEWER
- [Circle with Number] - PROPOSED STORM STRUCTURE ID
- [Hatched Box] - PROPOSED DRIVEWAY REPLACEMENT

**M. GINGERICH, GERAUX ASSOCIATES**

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ILLINOIS DEPARTMENT OF TRANSPORTATION  
PLAN & PROFILE SHEETS  
CARDINAL DRIVE

STA. 56+36 TO STA. 60+50

SCALE: VERTICAL 1" = 2'  
HORIZONTAL 1" = 20'

DATE: 1/4/08

DRAWN BY: MJO/AJC  
CHECKED BY: JWP

REVISIONS

DATE	BY	DESCRIPTION
2/11/08	AKJ/JWP	PER IDOT REVIEW
3/27/08	JWP	PER IDOT REVIEW
4/1/08	JWP	PER REVIEWS
5/7/08	JWP	ONE PATH REVISION PER COMMENT

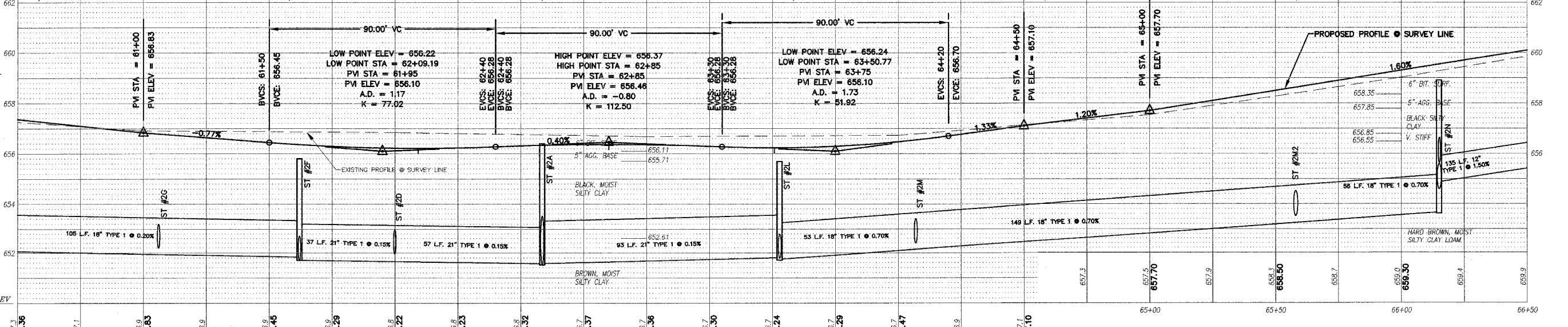
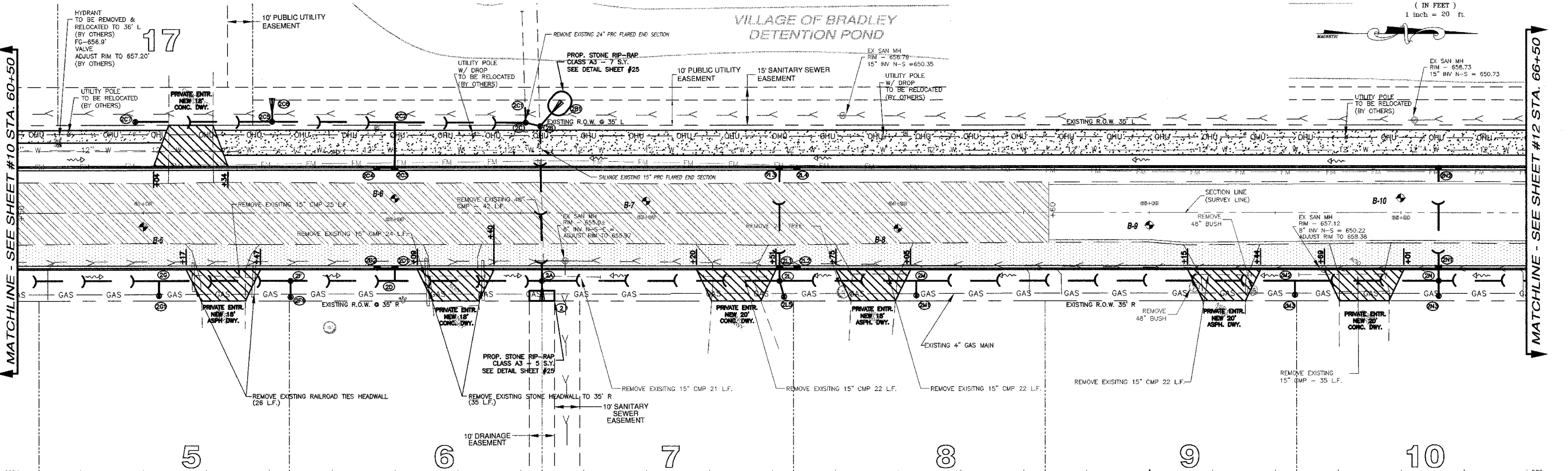
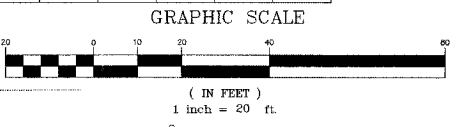
STORM SEWER STRUCTURES & PIPES

Structure ID	Structure Information						Out Pipe			In Pipe			In Pipe			In Pipe						
	Location	Structure Type/Ø	Rim Elev (in)	IDOT Type Fr	Lid	Pipe Segment	Direction	Invert	Pipe Size (in)	Added Spec	Pipe Type	Length (ft)	Slope	Direction	Invert	Pipe Size (in)	Direction	Invert	Pipe Size (in)	Direction	Invert	Pipe Size (in)
2	STA: 62+59 - 35 R	FES												W	651.47	42		651.47	42			
2A	STA: 62+59 - 27 R	MH-7	656.40	1	OL	2A - 2	E	651.51	42	EDE	7	0.50%	W	651.53	42	S	651.56	21	N	651.56	21	
2B	STA: 62+58 - 35 L	MH-6	657.10	1	OL	2B - 2A	E	651.83	42	EDE	60	0.50%	S	652.08	24	NW	652.83	15	W	652.35	Ex 15	
2B1	STA: 62+66 - 44 L	FES				2B1 - 2B	SE	652.95	15		12	1.00%										
2C	STA: 62+52 - 36 L	MH-4	658.10	1	CL	2C - 2B	N	652.12	24		4	1.00%	S	652.15	15	W	654.20	24				
2C1	STA: 62+52 - 42 L	TIE				2C1 - 2C	E	654.23	24		6	1.00%										
2C2	STA: 62+00 - 36 L	TEE				2C2 - 2C	N	652.41	15		51	0.50%	E	652.54	12	S	652.41	15				
2C3	STA: 62+00 - 18 L	INL-3	655.80	11		2C3 - 2C2	W	652.71	12		17	1.00%	W	652.75	12							
2C4	STA: 61+93 - 18 L	INL-2	655.80	11		2C4 - 2C3	N	652.90	12		5	1.00%										
2C5	STA: 61+51 - 36 L	INL-3	656.10	1	CL	2C5 - 2C2	N	652.95	15		47	0.50%	W	653.73	12	S	652.94	12				
2C6	STA: 61+51 - 46 L	FES				2C6 - 2C5	E	653.97	12		8	3.00%										
2C7	STA: 60+97 - 36 L	INL-2	656.40	1	OL	2C7 - 2C6	N	653.21	12		53	0.50%										
2D	STA: 62+00 - 27 R	TEE				2D - 2A	N	651.65	21		57	0.15%	W	652.03	12	S	651.65	21				
2D1	STA: 62+00 - 22 R	INL-3	655.70	11		2D1 - 2D	E	652.06	12		3	1.00%	S	652.65	12							
2D2	STA: 61+93 - 22 R	INL-2	655.70	11		2D2 - 2D1	N	652.70	12		5	1.00%										
2F	STA: 61+59 - 27 R	MH-4	655.80	1	CL	2F - 2D	N	651.70	21		37	0.15%	E	651.72	12	S	651.83	18				
2F1	STA: 61+59 - 33 R	INL-2	654.20	37M		2F1 - 2F	W	651.76	12		7	0.50%										
2G	STA: 61+06 - 27 R	TEE				2G - 2F	N	651.94	18		5	0.20%	E	652.19	12	S	651.96	18				
2G1	STA: 61+06 - 33 R	INL-2	654.90	37M		2G1 - 2G	W	652.24	12		1	1.00%										

STORM SEWER STRUCTURES & PIPES CONT

Structure ID	Structure Information						Out Pipe			In Pipe			In Pipe			In Pipe						
	Location	Structure Type/Ø	Rim Elev (in)	IDOT Type Fr	Lid	Pipe Segment	Direction	Invert	Pipe Size (in)	Added Spec	Pipe Type	Length (ft)	Slope	Direction	Invert	Pipe Size (in)	Direction	Invert	Pipe Size (in)	Direction	Invert	Pipe Size (in)
2L	STA: 63+53 - 27 R	MH-4	655.70	1	CL	2L - 2A	S	651.70	21		93	0.15%	W	652.24	12	NE	651.72	12	N	651.82	18	
2L1	STA: 63+53 - 22 R	INL-3	655.70	11		2L1 - 2L	E	652.28	12		4	1.00%	N	652.64	12	W	652.30	12				
2L2	STA: 63+80 - 22 R	INL-2	656.70	11		2L2 - 2L1	S	652.70	12		4	1.00%										
2L3	STA: 63+53 - 18 L	INL-3	655.80	11		2L3 - 2L1	E	652.68	12		38	1.00%	N	652.70	12							
2L4	STA: 63+80 - 18 L	INL-2	655.80	11		2L4 - 2L3	S	652.75	12		5	1.00%										
2L5	STA: 63+55 - 33 R	INL-2	654.10	37M		2L5 - 2L	SW	651.77	12		5	1.00%										
2M	STA: 64+07 - 27 R	TEE				2M - 2L	S	652.19	18		53	0.70%	E	652.44	12	N	652.19	18				
2M1	STA: 64+07 - 33 R	INL-2	655.00	37M		2M1 - 2M	W	652.49	12		1	1.00%										
2M2	STA: 65+58 - 27 R	TEE				2M2 - 2M	S	653.23	18		149	0.70%	E	653.48	12	N	653.23	18				
2M3	STA: 65+58 - 33 R	INL-2	656.80	37M		2M3 - 2M2	W	653.53	12		1	1.00%										
2N	STA: 66+15 - 27 R	MH-4	658.90	1	CL	2N - 2M2	S	653.82	12		56	0.70%	W	655.63	12	E	654.63	12	N	654.90	12	
2N1	STA: 66+15 - 22 R	INL-3	659.10	11		2N1 - 2N	E	655.67	12		4	1.00%	W	655.69	12							
2N2	STA: 66+15 - 18 L	INL-2	659.10	11		2N2 - 2N1	E	656.07	12		38	1.00%										
2N3	STA: 66+15 - 33 R	INL-2	657.90	37M		2N3 - 2N	W	654.88	12		5	1.00%										

- STORM STRUCTURE LEGEND**
- EXM: Existing manhole
  - FES: PRC Flared End Section
  - INL-2: Inlet T.Y. 2" Dia
  - INL-SP: Inlet T.Y. 2" Dia (Special)
  - INL-3: Inlet T.Y. 3" Dia
  - CB-4: Catch Basin T.Y. A, 4" Dia
  - CB-5: Catch Basin T.Y. A, 5" Dia
  - MH-4: Manhole T.Y. A, 4" Dia
  - MH-5: Manhole T.Y. A, 5" Dia
  - MH-6: Manhole T.Y. A, 6" Dia
  - MH-7: Manhole T.Y. A, 7" Dia
  - RES-8: Restrictor CBASIN, 8" Dia
  - TEE: RCP Inlet Tee
  - INL-SP: Inlet T.Y. A (Special)
  - TIE: Connect to pipe
  - CUT: Connect to Box Culvert & cut pipe flush
  - 1: Frame & Lids Type 1
  - 11: Gable Type Storm
  - 37M: Frame & Grate Type 11
  - 11V: Frame & Grate Type 11V
  - CL: Cast Closed Lid
  - 6X6BC: PRC Box Culvert 6' x 6' w/ End Sections (ASTM-C665)
  - END: Continuation By Others



- LEGEND**
- PAVEMENT WIDENING
  - PAVEMENT REMOVAL
  - BUTT JOINT
  - PROPOSED STORM SEWER
  - PROPOSED STORM STRUCTURE ID
  - PROPOSED DRIVEWAY REPLACEMENT

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815-939-4921  
FAX: 815-939-9810

**REVISIONS**

DATE	BY	DESCRIPTION
2/11/08	AG/JWP	PER IDOT REVIEW
3/27/08	JWP	PER IDOT REVIEW
4/1/08	JWP	PER IDOT REVIEW
5/7/08	JWP	ONE PATH REVISION PER COMMENT

ILLINOIS DEPARTMENT OF TRANSPORTATION  
PLAN & PROFILE SHEETS  
CARDINAL DRIVE

STA. 60+50 TO STA. 66+50

SCALE: VERTICAL 1" = 2'  
HORIZONTAL 1" = 20'

DATE: 1/4/08

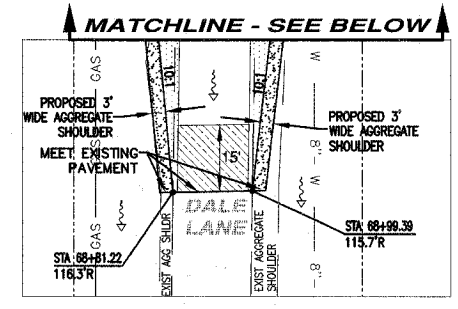
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STORM SEWER STRUCTURES & PIPES

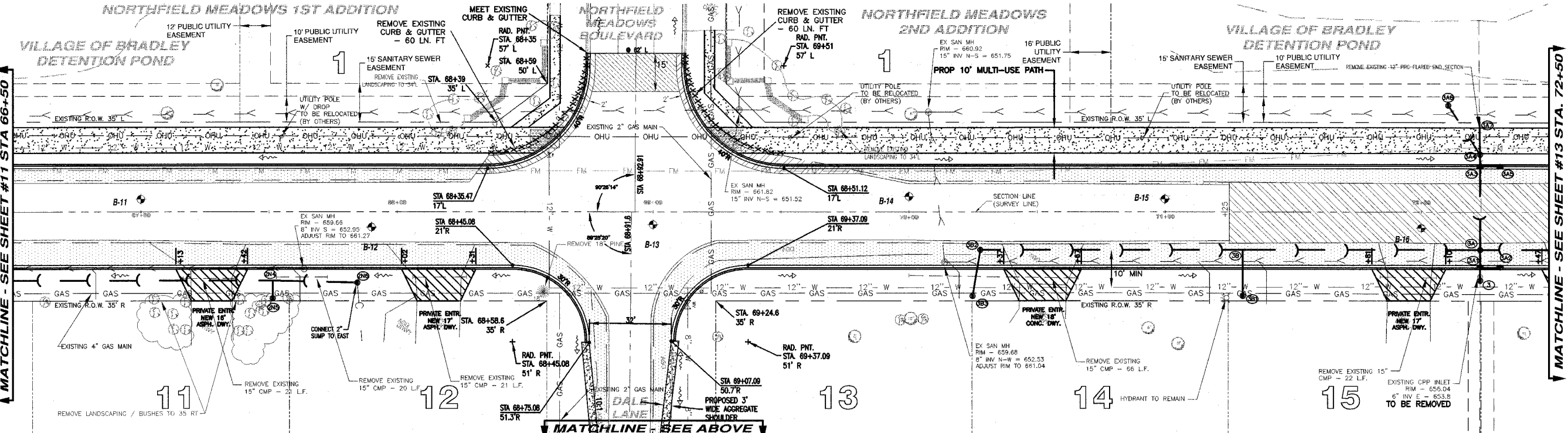
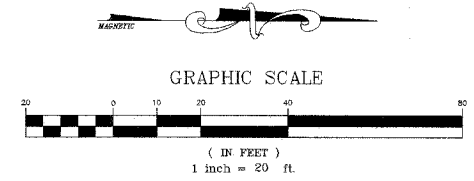
Structure Information										Out Pipe									
Structure ID	Location	Structure Type/Ø	Rim Elev	IDOT Type Fr	Lid	Pipe Segment	Direction	Invert	Pipe Size (in)	Added Spec	Pipe Type	Length (ft)	Slope	Direction	Invert	Pipe Size (in)	Direction	Invert	Pipe Size (in)
2N4	STA: 67+51 - 27 R	TEE	659.70	37M		2N4 - 2N	S	656.93	12		1	135	1.50%	E	656.93	12	N	656.93	12
2N5	STA: 67+51 - 34 R	INL-2	659.70			2N5 - 2N4	W	656.99	12		1	6	1.00%						
2N6	STA: 67+54 - 28 R	INL-2	661.20	1	CL	2N6 - 2N4	S	657.41	12		1	32	1.50%						
3	STA: 72+23 - 27 R	MH-5	658.40	1	OL			654.00	EX 6" CPP					W	654.18	30			
3A1	STA: 72+23 - 22 R	MH-5	659.30	11		3A1 - 3	E	654.20	30		1	3	0.30%	W	654.22	30	N	656.02	12
3A	STA: 72+23 - 15 R	MH-5	659.43	1	CL	3A - 3A1	E	654.24	30		1	5	0.30%	W	654.26	30	S	654.66	12
3A2	STA: 72+31 - 22 R	INL-2	659.30	11		3A2 - 3A1	E	656.08	12		1	6	1.00%						
3A3	STA: 72+23 - 18 L	MH-5	659.35	11		3A3 - 3A	E	654.36	30		1	31	0.30%	W	654.38	30	N	656.22	12
3A4	STA: 72+23 - 22 L	MH-4	659.90	1	CL	3A4 - 3A3	E	654.39	30		1	3	0.30%				SW	655.71	12
3A5	STA: 72+31 - 18 L	INL-2	659.35	11		3A5 - 3A3	S	656.28	12		1	6	1.00%						
3A6	STA: 72+11 - 42 L	INL-3	658.80	37M		3A6 - 3A4	NE	655.93	12		1	22	1.00%						
3A7	STA: 72+23 - 37 L	TIE				3A7 - 3A4	E	656.50	12		1	14	0.50%						
3B	STA: 71+30 - 15 R	TEE				3B - 3A	N	655.02	12		2	91	0.40%	E	655.02	12	S	655.02	12
3B1	STA: 71+30 - 33 R	INL-2	658.20	37M		3B1 - 3B	W	655.19	12		1	17	1.00%						
3B2	STA: 70+28 - 15 R	MH-4	661.00	1	CL	3B2 - 3B	N	655.42	12		2	101	0.40%	E	656.12	12			
3B3	STA: 70+25 - 33 R	INL-2	659.30	37M		3B3 - 3B2	W	656.29	12		1	17	1.00%						

STORM STRUCTURE LEGEND

- EMH = Existing Manhole
- FES = PRG Flared End Section
- INL-2 = Inlet T/A 2 Dia
- INL-SP = Inlet T/A 2 Dia (Special)
- INL-3 = Inlet T/A 3 Dia
- CB-4 = Catch Basin T/A 4 Dia
- CB-5 = Catch Basin T/A 5 Dia
- MH-4 = Manhole T/A 4 Dia
- MH-5 = Manhole T/A 5 Dia
- MH-6 = Manhole T/A 6 Dia
- MH-7 = Manhole T/A 7 Dia
- RES-6 = Resistor CBASIN, 6 Dia
- TEE = Tee
- INL-SP = Inlet Type A (Special)
- TIE = Tie
- CON = Connect to pipe
- CONV = Connect to Box Culvert & out pipe flush
- OUT = Outlet
- 11 = Frame & Lids Type 11
- 37M = Grate Type 37M
- 11V = Frame & Grate Type 11V
- 11V = Frame & Grate Type 11V
- CL = Cast Open Lid
- CL = Cast Open Lid
- 600BC = PRG Box Culvert 6' x 6' w/ End Sections (ASTM A563)
- END = Continuation by Others

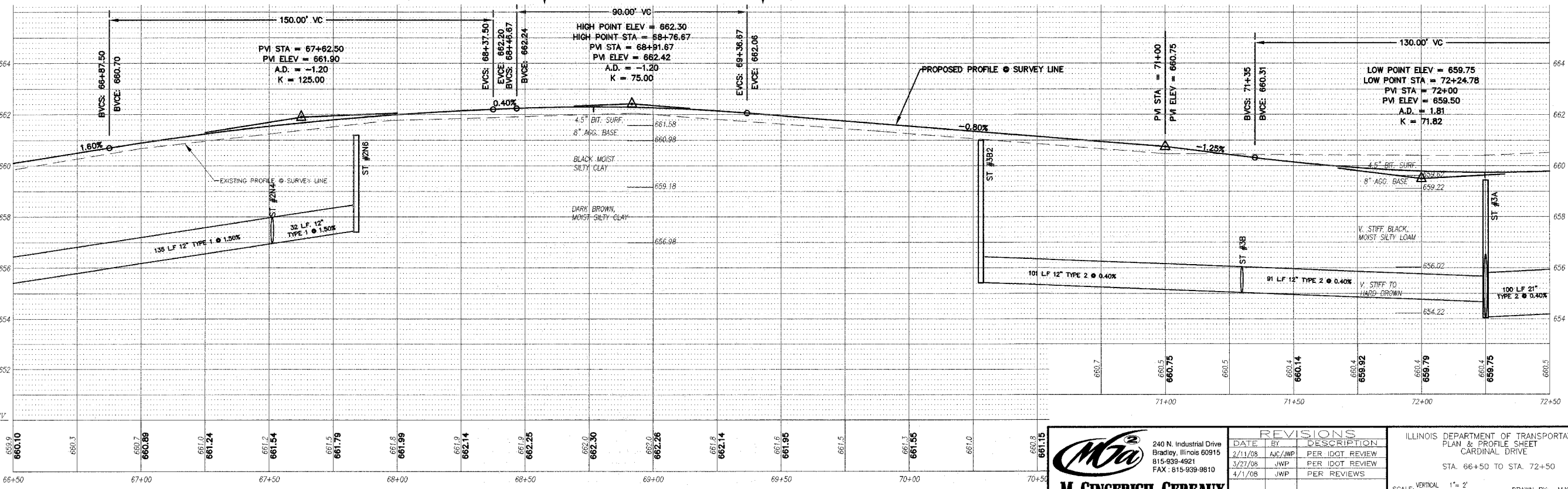


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6208	07-00093-00-RP	KANKAKEE	43	12
MG2A# M2-096			CONTRACT NO.: 87342	



LEGEND

- PAVEMENT WIDENING
- PAVEMENT REMOVAL
- BUTT JOINT
- PROPOSED STORM SEWER
- PROPOSED STORM STRUCTURE ID
- PROPOSED DRIVEWAY REPLACEMENT



**MIA**  
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REVISIONS

DATE	BY	DESCRIPTION
2/1/08	AJK/JWP	PER IDOT REVIEW
3/27/08	JWP	PER IDOT REVIEW
4/1/08	JWP	PER REVIEWS

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 PLAN & PROFILE SHEET  
 CARDINAL DRIVE  
 STA. 66+50 TO STA. 72+50  
 SCALE: VERTICAL 1" = 2'  
 HORIZONTAL 1" = 20'  
 DATE: 1/4/08  
 DRAWN BY: MJO/AJC  
 CHECKED BY: JWP

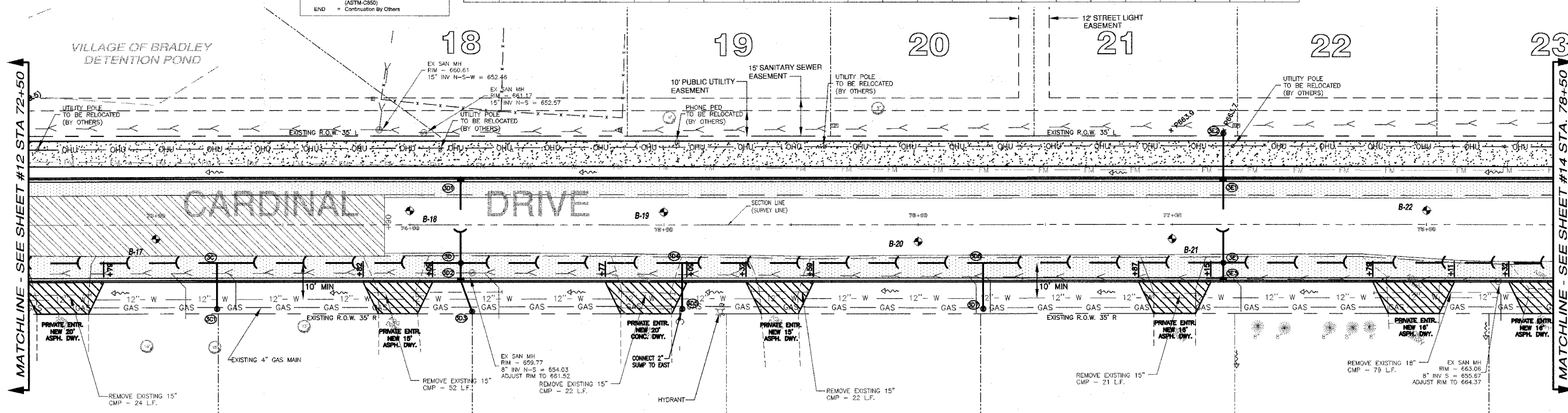
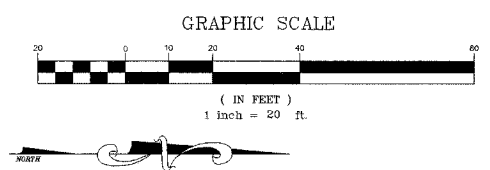
STORM SEWER STRUCTURES & PIPES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6208	07-00093-00-RP	KANKAKEE	43	13
MG2A# M2-096		CONTRACT NO. 87342		

STORM STRUCTURE LEGEND

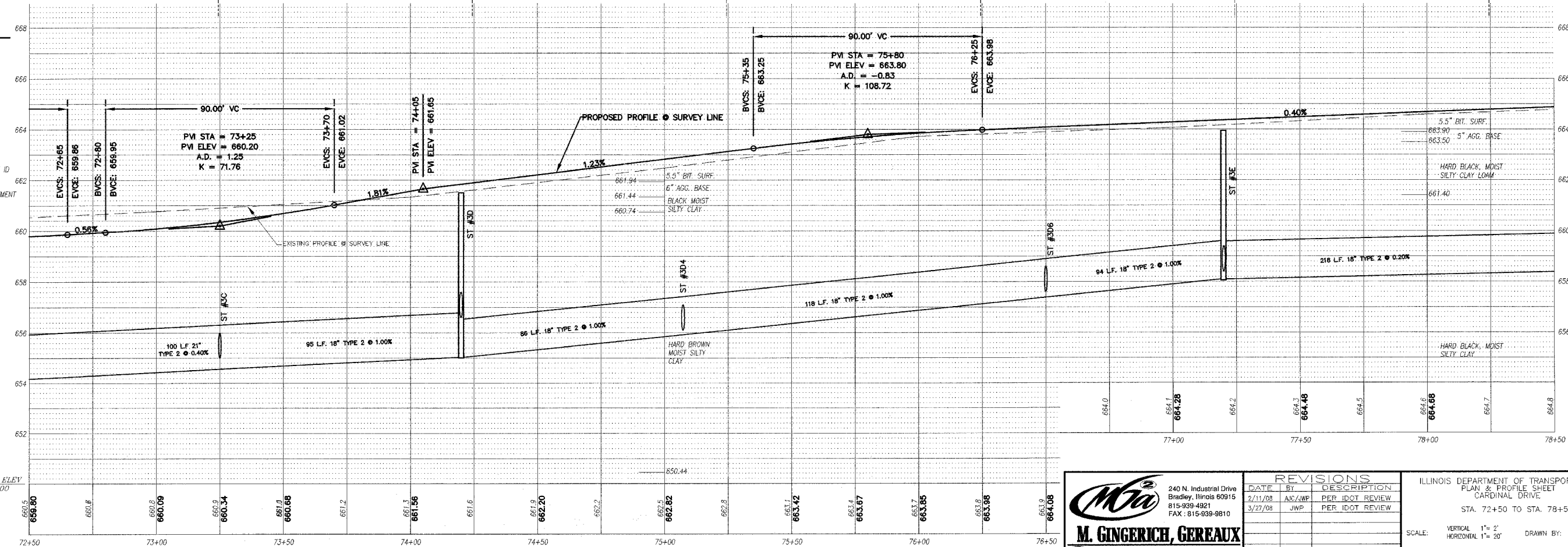
EXMH = Existing manhole  
 FES = FRC Flared End Section  
 INL-2 = Inlet T.Y. 2' Dia  
 INL-3 = Inlet T.Y. 3' Dia (Spaced)  
 INL-3 = Inlet T.Y. 3' Dia  
 CB-4 = Catch Basin T.Y. 4' Dia  
 MH-5 = Manhole T.Y. 5' Dia  
 MH-6 = Manhole T.Y. 6' Dia  
 MH-7 = Manhole T.Y. 7' Dia  
 RES-6 = Restrictor OBASIN, 6' Dia  
 TEE = RCP In-line Tee  
 INL-SP = Inlet Type A (Special)  
 TIE = Connect to pipe  
 CUT = Connect to Box Culvert & cut pipe flush  
 1 = Frame & Lid Type 1  
 37M = Gate Type 37M  
 11 = Frame & Grate Type 11  
 11V = Frame & Grate Type 11V  
 OL = Cast Open Lid  
 CL = Cast Closed Lid  
 EXN6C = FRC Box Culvert 6' x 6' w/ End Sections (ASTM-C950)  
 END = Continuation By Others

Structure Information		Out Pipe				In Pipe													
Structure ID	Location	Structure Type	Rim Elev	IDOT Type	Lid	Pipe Segment	Direction	Invert	Pipe Size (in)	Added Spec	Pipe Type	Length (ft)	Slope	Direction	Invert	Pipe Size (in)	Direction	Invert	Pipe Size (in)
3C	STA: 73+24 - 15 R	TEE				3C - 3A	S	654.86	21		2	100	0.40%	E	655.04	12	N	654.66	21
3C1	STA: 73+24 - 33 R	INL-2	658.10	37M		3C1 - 3C	W	655.21	12		1	17	1.00%						
3D	STA: 74+20 - 15 R	MH-4	661.52	1	CL	3D - 3C	S	655.04	21		2	95	0.40%	W	658.14	12	E	656.54	12
3D1	STA: 74+20 - 18 L	INL-2	661.45	11		3D1 - 3D	E	658.46	12		1	32	1.00%						
3D2	STA: 74+20 - 22 R	MH-4	661.45	11		3D2 - 3D	W	656.80	12		2	6	1.00%	NE	656.62	12			
3D3	STA: 74+24 - 34 R	INL-2	659.70	37M		3D3 - 3D2	SW	658.74	12		1	12	1.00%						
3D4	STA: 75+07 - 15 R	TEE				3D4 - 3D	S	658.00	18		2	85	1.00%	E	656.25	12	N	656.00	18
3D5	STA: 75+07 - 33 R	INL-2	661.10	37M		3D5 - 3D4	W	657.07	12		1	17	4.80%						
3D6	STA: 76+26 - 15 R	TEE				3D6 - 3D4	S	657.18	18		2	118	1.00%	E	657.43	12	N	657.18	18
3D7	STA: 76+26 - 33 R	INL-2	661.40	37M		3D7 - 3D6	W	657.80	12		1	17	1.00%						
3E	STA: 77+20 - 15 R	MH-4	664.01	1	CL	3E - 3D6	S	658.12	18		2	94	1.00%	W	659.70	12	E	659.74	12
3E1	STA: 77+20 - 18 L	INL-3	663.90	11		3E1 - 3E	E	660.02	12		1	32	1.00%	W	660.04	12	N	658.14	18
3E2	STA: 77+20 - 36 L	INL-2	663.70	37M		3E2 - 3E1	E	660.21	12		1	17	1.00%						
3E3	STA: 77+20 - 22 R	INL-2	663.80	11		3E3 - 3E	W	659.80	12		2	6	1.00%						



LEGEND

- PAVEMENT WIDENING
- PAVEMENT REMOVAL
- BUTT JOINT
- PROPOSED STORM SEWER
- PROPOSED STORM STRUCTURE ID
- PROPOSED DRIVEWAY REPLACEMENT



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**REVISIONS**

DATE	BY	DESCRIPTION
7/11/08	AC/JWP	PER IDOT REVIEW
3/27/08	JWP	PER IDOT REVIEW

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 PLAN & PROFILE SHEET  
 CARDINAL DRIVE  
 STA. 72+50 TO STA. 78+50  
 SCALE: VERTICAL 1" = 2'  
 HORIZONTAL 1" = 20'  
 DATE: 1/4/08  
 DRAWN BY: MJO/AJC  
 CHECKED BY: JWP

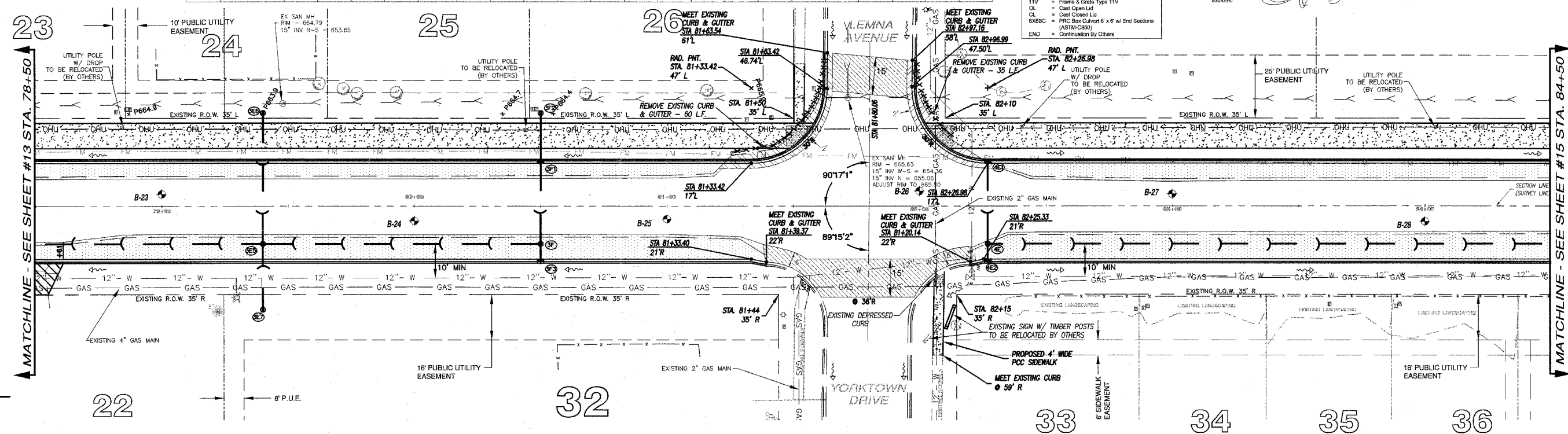
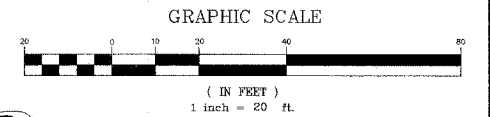
STORM SEWER STRUCTURES & PIPES

Structure ID	Location	Structure Type	Rim Elev	IDOT Type	Lid	Out Pipe										In Pipe									
						Pipe Segment	Direction	Invert	Pipe Size (in)	Added Spec	Pipe Type	Length (ft)	Slope	Direction	Invert	Pipe Size (in)	Direction	Invert	Pipe Size (in)	Direction	Invert	Pipe Size (in)			
3E5	STA: 79+40 - 15 R	INL-4	665.05	1	CL	3E5-3E	S	658.58	18		2	218	0.20%	W	659.58	12	E	658.60	12	N	660.58	15			
3E6	STA: 79+40 - 37 L	INL-2	663.90	37M		3E6-3E5	E	660.09	12		1	51	1.00%												
3E7	STA: 79+40 - 41 R	INL-2	661.40	37M		3E7-3E5	W	658.85	12		1	25	1.00%												
3F	STA: 80+50 - 15 R	INL-3	664.72	1	CL	3F-3E5	S	661.13	15		1	109	0.50%	W	661.15	12	E	661.51	12						
3F1	STA: 80+50 - 18 L	INL-3	664.75	11		3F1-3F	E	661.47	12		1	32	1.00%	NW	661.49	12									
3F2	STA: 80+50 - 37 L	INL-2	664.40	37M		3F2-3F1	SE	661.68	12		1	19	1.00%												
3F3	STA: 80+50 - 22 R	INL-2	664.65	11		3F3-3F	W	661.57	12		1	6	1.00%												
4E	STA: 82+27 - 15 R	INL-3	665.60	1	CL	4E-4D	N	662.25	12		1	272	0.50%	W	662.27	12	E	662.34	12						
4E1	STA: 82+27 - 18 L	INL-2	665.45	11		4E1-4E	E	662.59	12		1	32	1.00%												
4E2	STA: 82+27 - 22 R	INL-2	665.40	11		4E2-4E	NW	662.40	12		1	6	1.00%												

STORM STRUCTURE LEGEND

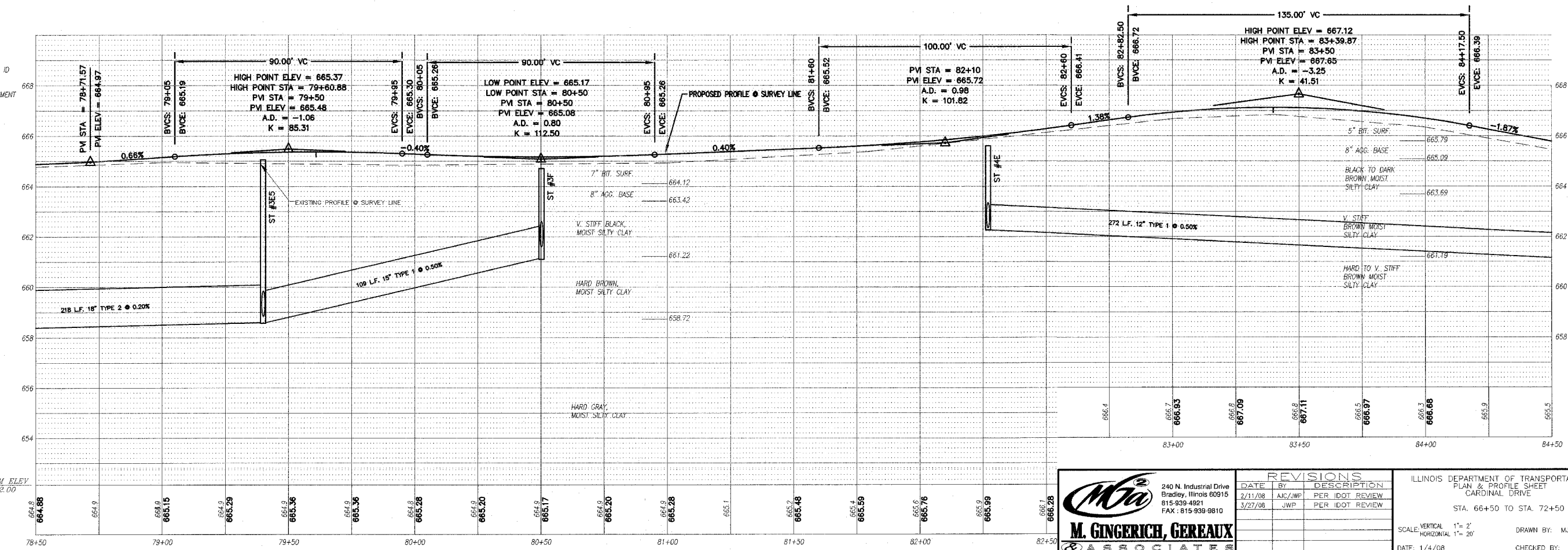
- EXMH = Existing manhole
- FES = PRC Flared End Section
- INL-2 = Inlet Type A, 2' Dia
- INL-3 = Inlet Type A, 2' Dia (Special)
- CB-4 = Catch Basin Type A, 4' Dia
- CB-3 = Catch Basin Type A, 3' Dia
- MH-4 = Manhole Type A, 4' Dia
- MH-5 = Manhole Type A, 5' Dia
- MH-6 = Manhole Type A, 6' Dia
- MH-7 = Manhole Type A, 7' Dia
- RES-6 = Rectangular Catch Basin, 6' Dia
- TEE = RCP Inlet Tee
- INL-SP = Inlet Type A (Special)
- TIE = Connected to pipe
- CUT = Connected to Box Culvert & out pipe flush
- 1 = Frame & Lid Type 1
- 37M = Grate Type 37M
- 11 = Frame & Grate Type 11
- 11V = Frame & Grate Type 11V
- CL = Cast Open Lid
- CL = Cast Closed Lid
- SA8BC = PRC Box Culvert 6' x 6' w/ End Sections (ASTM-C206)
- END = Continuation by Others

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6208	07-00093-00-RP	KANKAKEE	43	14
MG2A# M2-096			CONTRACT NO.: 87342	



LEGEND

- PAVEMENT WIDENING
- PAVEMENT REMOVAL
- BUTT JOINT
- PROPOSED STORM SEWER
- PROPOSED STORM STRUCTURE ID
- PROPOSED DRIVEWAY REPLACEMENT



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REVISIONS

DATE	BY	DESCRIPTION
2/11/08	AJC/JWP	PER IDOT REVIEW
3/27/08	JWP	PER IDOT REVIEW

ILLINOIS DEPARTMENT OF TRANSPORTATION  
PLAN & PROFILE SHEET  
CARDINAL DRIVE  
STA. 66+50 TO STA. 72+50

SCALE: VERTICAL 1" = 2'  
HORIZONTAL 1" = 20'

DATE: 1/4/08

DRAWN BY: MJU/AJC  
CHECKED BY: JWP

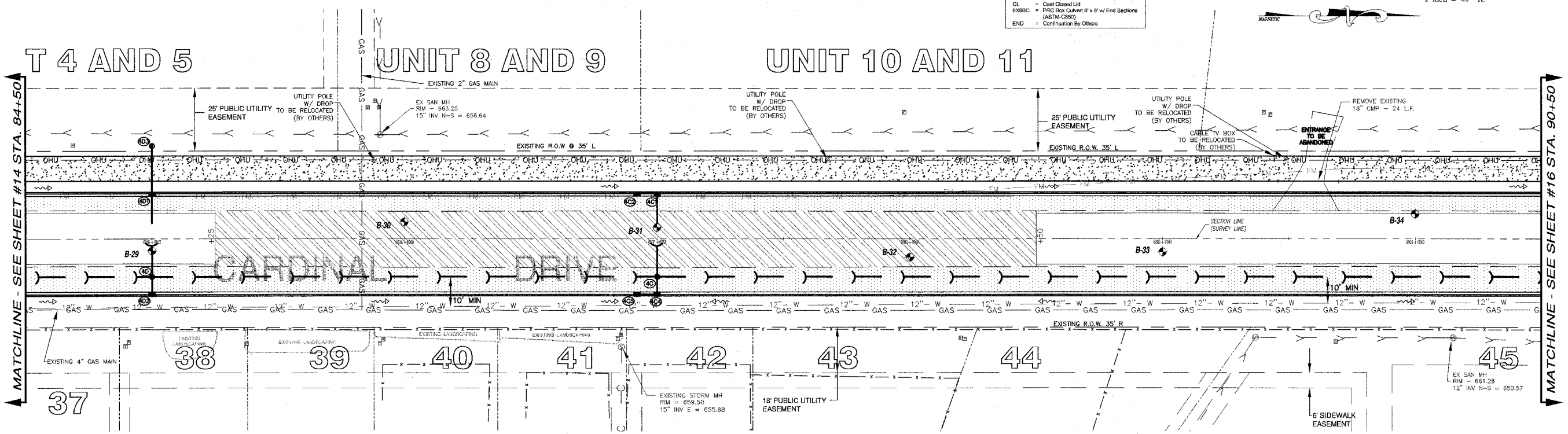
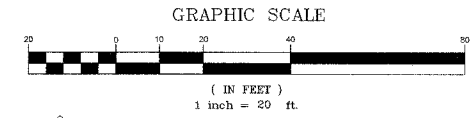
STORM SEWER STRUCTURES & PIPES

Structure ID	Location	Structure Information			Out Pipe				In Pipe													
		Type/Ø	Rim Elev	IDOT Type Fr	Lid	Pipe Segment	Direction	Invert	Pipe Size (in)	Added Spec	Pipe Type	Length (ft)	Slope	Direction	Invert	Pipe Size (in)	Direction	Invert	Pipe Size (in)			
4C	STA: 87+00 - 15 R	MH-4	661.15	1	CL	4C-4B	N	657.88	18		398	0.50%	W	657.90	12	E	657.90	12	S	657.90	12	
4C1	STA: 87+00 - 18 L	INL-2	661.05	11		4C1-4C	E	658.22	12		32	1.00%	S	658.24	12							
4C2	STA: 86+92 - 18 L	INL-2	661.05	11		4C2-4C1	N	658.31	12		7	1.00%										
4C4	STA: 87+00 - 22 R	INL-3	660.95	11		4C4-4C	W	657.96	12		6	1.00%	S	657.98	12							
4C5	STA: 86+92 - 22 R	INL-2	660.95	11		4C5-4C4	N	658.05	12		7	1.00%										
4D	STA: 85+00 - 15 R	INL-3	664.50	1	CL	4D-4C	N	660.87	12		198	1.50%	W	661.17	12	E	661.34	12	S	660.89	12	
4D1	STA: 85+00 - 18 L	INL-3	664.50	11		4D1-4D	E	661.49	12		32	1.00%	W	661.51	12							
4D2	STA: 85+00 - 22 R	INL-2	664.40	11		4D2-4D	W	661.40	12		6	1.00%										
4D3	STA: 85+00 - 37 L	INL-2	664.30	37M		4D3-4D1	E	661.70	12		19	1.00%										

STORM STRUCTURE LEGEND

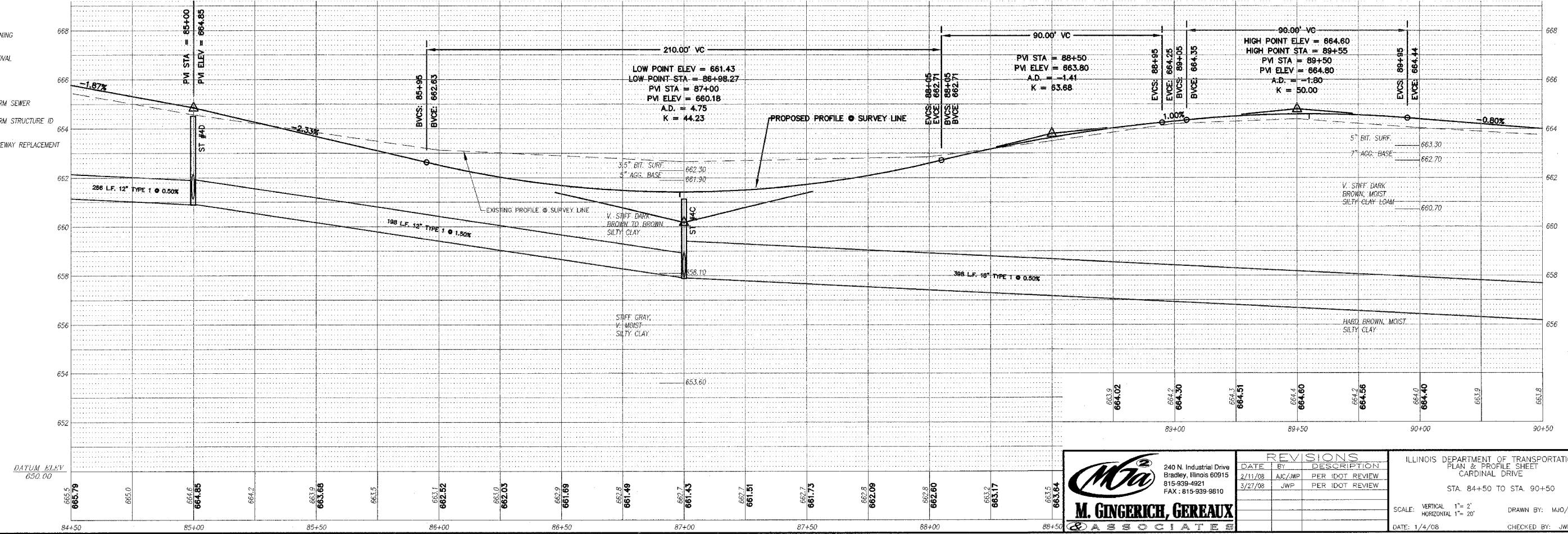
- EXIST = Existing manhole
- FES = PRC Flared End Section
- INL-2 = Inlet Type A, 2' Dia
- INL-SP = Inlet Type A, 2' Dia (Special)
- INL-3 = Inlet Type B, 3' Dia
- CB-4 = Catch Basin Type A, 4' Dia
- CB-5 = Catch Basin Type A, 5' Dia
- MH-4 = Manhole Type A, 4' Dia
- MH-5 = Manhole Type A, 5' Dia
- MH-6 = Manhole Type A, 6' Dia
- MH-7 = Manhole Type A, 7' Dia
- RES-6 = Resistor GASIN, 6' Dia
- TEF = RCP Inlet Tee
- INL-SP = Inlet Type A (Special)
- TIE = Connect to pipe
- CUT = Connect to Box Culvert & cut pipe flush
- STM = Galle Type STM
- 11 = Frame & Grate Type 11
- 11V = Frame & Grate Type 11V
- CL = Cast Open Lid
- CL = Cast Closed Lid
- 6X88C = PRC Box Culvert 8' x 8' w/ End Sections (ASTM A895)
- END = Continuation By Others

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6208	07-00093-00-RP	KANKAKEE	43	15
MG2A# M2-096			CONTRACT NO.: 87342	



LEGEND

- PAVEMENT WIDENING
- PAVEMENT REMOVAL
- BUTT JOINT
- PROPOSED STORM SEWER
- PROPOSED STORM STRUCTURE ID
- PROPOSED DRIVEWAY REPLACEMENT



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REVISIONS

DATE	BY	DESCRIPTION
2/11/08	AJC/JWP	PER IDOT REVIEW
3/27/08	JWP	PER IDOT REVIEW

ILLINOIS DEPARTMENT OF TRANSPORTATION  
PLAN & PROFILE SHEET  
CARDINAL DRIVE  
STA. 84+50 TO STA. 90+50

SCALE: VERTICAL 1" = 2'  
HORIZONTAL 1" = 20'

DATE: 1/4/08 DRAWN BY: MJO/AJC  
CHECKED BY: JWP

STORM SEWER STRUCTURES & PIPES

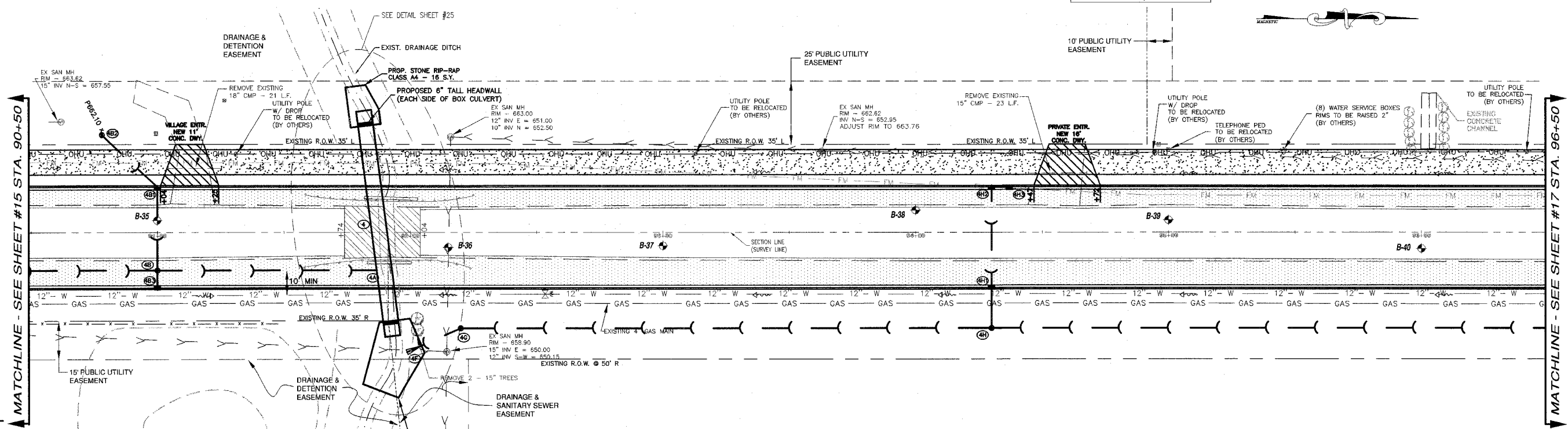
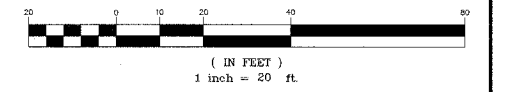
Structure Information						Out Pipe						In Pipe											
Structure ID	Location	Structure Type/Ø	Rim Elev	IDOT Type Fr	Lid	Pipe Segment	Direction	Invert	Pipe Size (in)	Added Spec	Pipe Type	Length (ft)	Slope	Direction	Invert	Pipe Size (in)	Direction	Invert	Pipe Size (in)	Direction	Invert	Pipe Size (in)	
4	STA: 91+81 - 48 L TO 91+93 - 41 R	6X6BC						654.00				78	1.11%		655.00								
4A	STA: 91+87 - 15 R	CUT												S	655.00	18							
4B	STA: 91+00 - 15 R	MH-4	663.35	1	CL	4B - 4A	N	655.86	18		2	86	1.00%	W	658.47	12	E	660.09	12	S	655.89	18	
4B1	STA: 91+00 - 18 L	MH-4	663.25	11		4B1 - 4B	E	658.79	12		2	32	1.00%	SW	658.81	12							
4B2	STA: 90+78 - 39 L	INL-2	662.10	37M		4B2 - 4B1	NE	659.10	12		1	29	1.00%										
4B3	STA: 91+00 - 22 R	INL-2	663.15	11		4B3 - 4B	W	660.15	12		1	6	1.00%										
4F	STA: 91+99 - 47 R	FES												NW	654.70	18							
4G	STA: 92+20 - 38 R	MH-4	660.80	1	CL	4G - 4F	SE	654.83	18		2	22	0.60%	N	654.93	18							
4H	STA: 94+30 - 38 R	MH-4	660.00	1	CL	4H - 4G	S	656.18	18		1	208	0.60%	N	656.20	12							
4H1	STA: 94+30 - 22 R	MH-4	662.65	11		4H1 - 4H	E	657.37	15		1	14	3.00%	W	658.36	15							
4H2	STA: 94+30 - 18 L	INL-3	662.75	11		4H2 - 4H1	E	659.74	15		1	38	1.00%	N	659.76	12							
4H3	STA: 94+37 - 18 L	INL-2	662.75	11		4H3 - 4H2	S	659.82	12		1	6	1.00%										

STORM STRUCTURE LEGEND

- EXMH = Existing manhole
- FES = PRC Flared End Section
- INL-2 = Inlet Type A, 2' Dia
- INL-3P = Inlet Type A, 3' Dia (Special)
- INL-3 = Inlet Type A, 3' Dia
- CB-4 = Catch Basin Type A, 4' Dia
- CB-5 = Catch Basin Type A, 5' Dia
- MH-4 = Manhole Type A, 4' Dia
- MH-5 = Manhole Type A, 5' Dia
- MH-6 = Manhole Type A, 6' Dia
- MH-7 = Manhole Type A, 7' Dia
- RES-6 = Resistor CBASIN, 6' Dia
- TEE = RCP Inlet Tee
- INL-SP = Inlet Type A (Special)
- TIE = Connected to pipe
- CUT = Connect to Box Culvert & out pipe flush
- 1 = Frame & Lid Type 1
- 37M = Grate Type 37M
- 11 = Frame & Grate Type 11
- 11V = Frame & Grate Type 11V
- CL = Cast Open Lid
- CL = Cast Closed Lid
- EX6BC = PRC Box Culvert (6' x 6' w/ End Sections (ASTM-C850))
- END = Continuation By Others

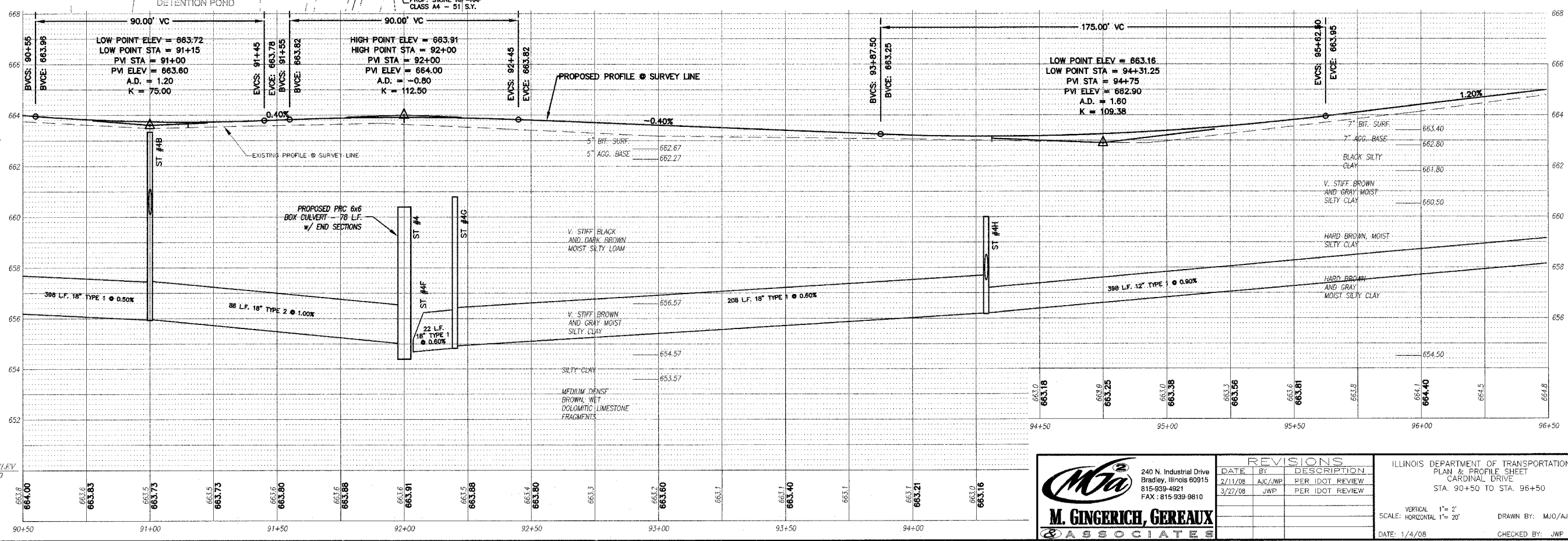
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6208	07-00093-00-RP	KANKAKEE	43	16
MG2A# M2-096		CONTRACT NO.: 87342		

GRAPHIC SCALE



LEGEND

- PAVEMENT WIDENING
- PAVEMENT REMOVAL
- BUTT JOINT
- PROPOSED STORM SEWER
- PROPOSED STORM STRUCTURE ID
- PROPOSED DRIVEWAY REPLACEMENT



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REVISIONS

DATE	BY	DESCRIPTION
2/11/08	AJC/JWP	PER IDOT REVIEW
3/27/08	JWP	PER IDOT REVIEW

ILLINOIS DEPARTMENT OF TRANSPORTATION  
PLAN & PROFILE SHEET  
CARDINAL DRIVE  
STA. 90+50 TO STA. 96+50

SCALE: HORIZONTAL 1" = 20'  
VERTICAL 1" = 2'

DATE: 1/4/08  
DRAWN BY: MJO/AJC  
CHECKED BY: JWP



STORM SEWER STRUCTURES & PIPES

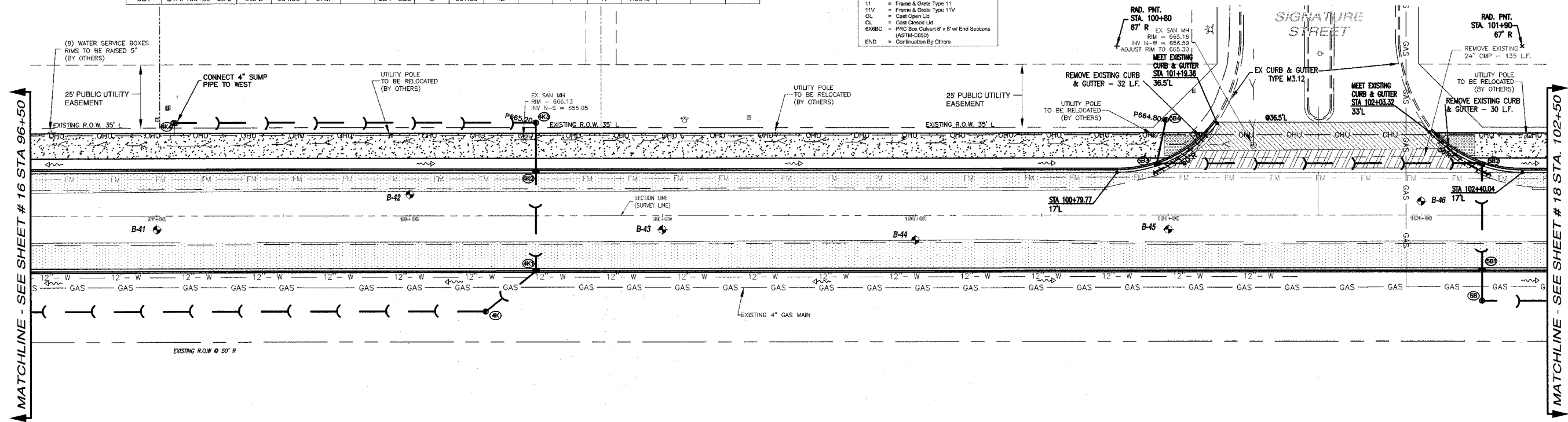
Structure Information				Out Pipe				In Pipe								
Structure ID	Location	Structure Type/Ø	Rim Elev	IDOT Type Fr	Lid	Pipe Segment	Direction	Invert	Pipe Size (in)	Added Spec	Pipe Type	Length (ft)	Slope	Direction	Invert	Pipe Size (in)
4K	STA: 98+30 - 38 R	INL-3	663.10	1	CL	4K - 4H	S	659.78	12		1	398	0.90%	NW	660.10	12
4K1	STA: 98+50 - 22 R	INL-3	665.15	11		4K1 - 4K	SE	661.06	12		1	24	4.00%	W	661.53	12
4K2	STA: 98+50 - 18 L	INL-3	665.25	11		4K2 - 4K1	E	661.91	12		1	38	1.00%	W	661.93	12
4K3	STA: 98+50 - 37 L	INL-3	665.20	1	OL	4K3 - 4K2	E	662.10	12		1	17	1.00%	S	662.12	12
4K4	STA: 97+07 - 37 L	INL-2	666.60	1	CL	4K4 - 4K3	N	663.54	12		1	142	1.00%			
5B	STA: 102+24 - 34 R	MH-4	663.20	1	CL	5B - 5A	N	659.97	18		1	174	0.30%	W	660.01	15
5B1	STA: 102+24 - 22 R	INL-3	664.00	11		5B1 - 5B	E	660.12	15		1	11	1.00%	W	660.49	15
5B2	STA: 102+24 - 21 L	INL-3	664.10	11		5B2 - 5B1	E	660.90	15		1	41	1.00%	S	661.00	12
5B3	STA: 100+95.5 - 21 L	INL-3	664.90	11		5B3 - 5B2	N	661.64	12		1	127	0.50%	W	661.86	12
5B4	STA: 100+99 - 38 L	INL-2	664.80	37M		5B4 - 5B3	E	661.83	12		1	17	1.00%			

STORM STRUCTURE LEGEND

- EXM4 = Existing manhole
- FES = PRC Flared End Section
- INL-2 = Inlet Ty A, 2 Dia
- INL-3P = Inlet Ty A, 3 Dia (Special)
- INL-3 = Inlet Ty B, 3 Dia
- CB-4 = Catch Basin Ty A, 4 Dia
- CB-5 = Catch Basin Ty A, 5 Dia
- MH-4 = Manhole Ty A, 4 Dia
- MH-5 = Manhole Ty A, 5 Dia
- MH-6 = Manhole Ty A, 6 Dia
- MH-7 = Manhole Ty A, 7 Dia
- RS-4 = Restrictor CRASH, 4 Dia
- TEE = RCP Inlet Tee
- INL-3P = Inlet Type A (Special)
- TE = Connect to pipe
- CUT = Connect to Box Culvert & cut pipe flush
- 1 = Frame A, Lisa Type 1
- STM = Grate Type STM
- 11 = Frame & Grate Type 11
- 11V = Frame & Grate Type 11V
- OL = Cast Open Lid
- CL = Cast Closed Lid
- 609BC = PRC Box Culvert 6' x 6' w/ End Sections (ASTM-C895)
- END = Continuation By Others

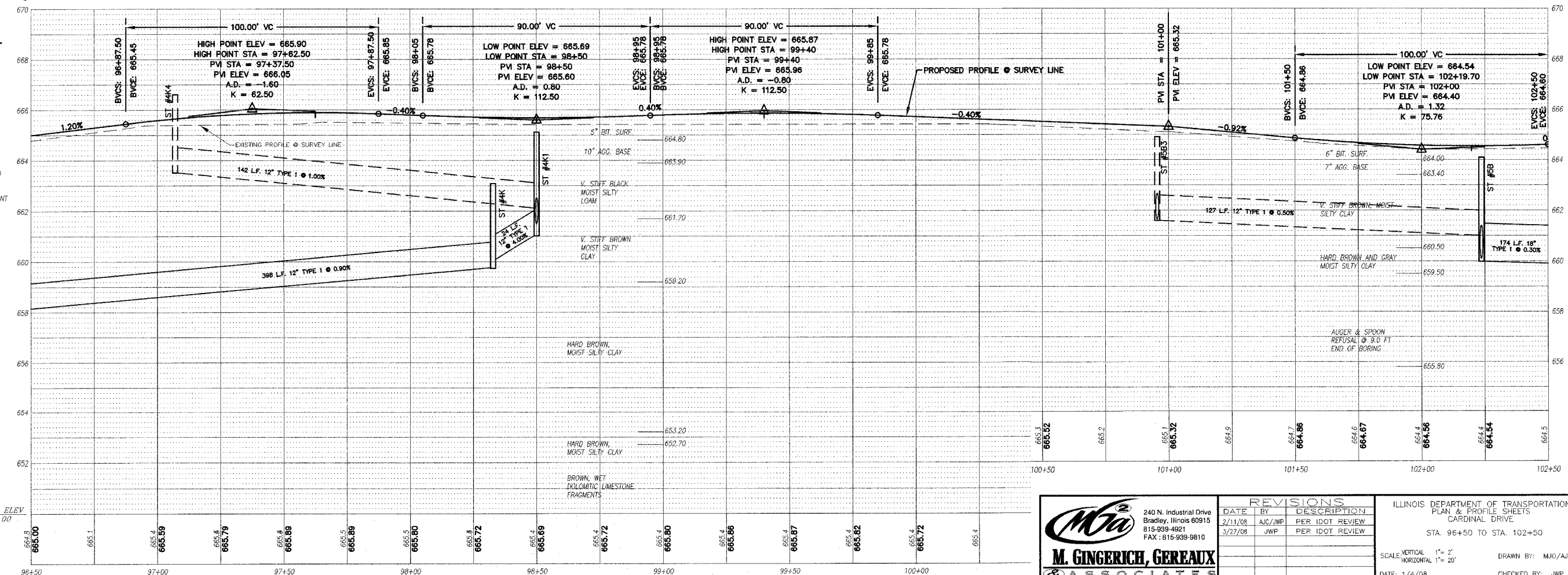
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6208	07-00093-00-RP	KANKAKEE	43	17
MG2A# M2-096		CONTRACT NO.: 87342		

GRAPHIC SCALE  
1 inch = 20 ft.



**LEGEND**

- PAVEMENT WIDENING
- PAVEMENT REMOVAL
- BUTT JOINT
- PROPOSED STORM SEWER
- PROPOSED STORM STRUCTURE ID
- PROPOSED DRIVEWAY REPLACEMENT



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**REVISIONS**

DATE	BY	DESCRIPTION
2/11/08	AJC/JWP	PER IDOT REVIEW
3/27/08	JWP	PER IDOT REVIEW

ILLINOIS DEPARTMENT OF TRANSPORTATION  
PLAN & PROFILE SHEETS  
CARDINAL DRIVE  
STA 96+50 TO STA 102+50  
SCALE: VERTICAL 1" = 2'  
HORIZONTAL 1" = 20'  
DATE: 1/4/08  
DRAWN BY: MJO/AJC  
CHECKED BY: JWP

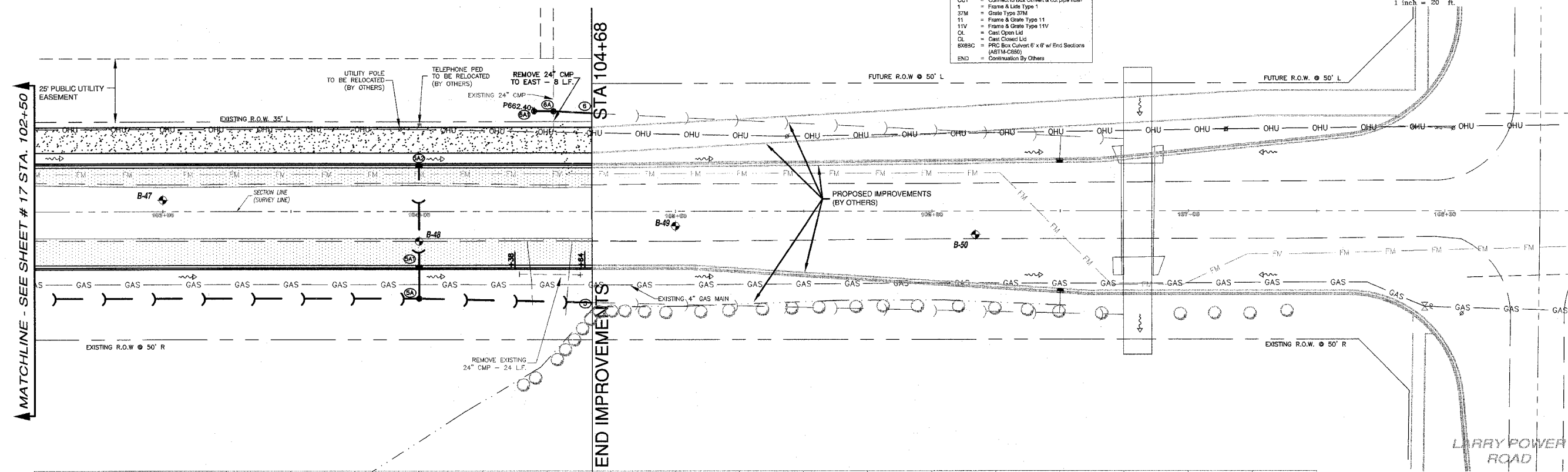
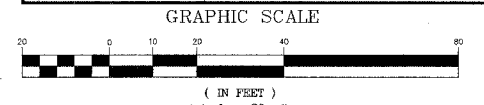
STORM SEWER STRUCTURES & PIPES

Structure Information										Out Pipe										
Structure ID	Location	Structure Type/Ø	Rim Elev	IDOT Type	Lid	Pipe Segment	Direction	Invert	Pipe Size (in)	Added Spec	Pipe Type	Length (ft)	Slope	Direction	In Pipe Invert	Pipe Size (in)	Direction	In Pipe Invert	Pipe Size (in)	
5	STA: 104+68 - 34 R	END																		
5A	STA: 104+00 - 34 R	MH-4	662.90	1	CL	5A - 5	N	659.43	21		1	67	0.35%	W	659.83	12	S	659.45	18	
5A1	STA: 104+00 - 22 R	INL-3	663.90	11		5A1 - 5A	E	659.96	12		1	11	1.20%	W	660.62	12				
5A2	STA: 104+00 - 18 L	INL-2	664.00	11		5A2 - 5A1	E	661.00	12		1	38	1.00%							
6	STA: 104+68 - 38 L	END																		
6A	STA: 104+62 - 39 L	MH-4	663.40	1	CL	6A - 6	N	659.62	24		1	15	0.10%	S	659.82	24				
6A1	STA: 104+45 - 39 L	INL-2	662.40	37M		6A1 - 6A	N	659.88	12		1	6	1.00%				W	659.80	Ex 24 CMP	

STORM STRUCTURE LEGEND

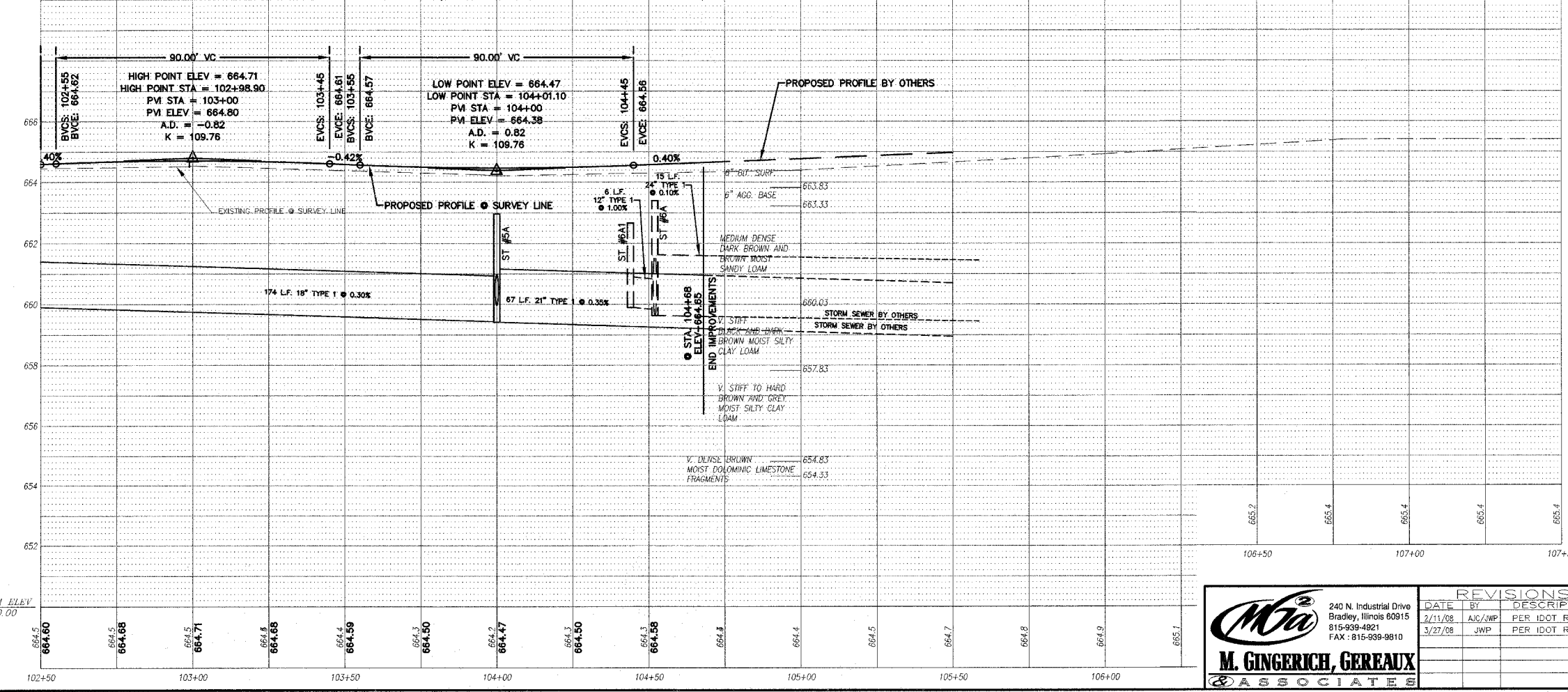
- EXMH = Existing manhole
- FES = FRP Flared End Section
- INL-2 = Inlet Ty A, 2 Dia
- INL-3P = Inlet Ty A, 3 Dia (Special)
- INL-3 = Inlet Ty B, 3 Dia
- CB-4 = Catch Basin Ty A, 4 Dia
- CB-5 = Catch Basin Ty A, 5 Dia
- MH-4 = Manhole Ty A, 4 Dia
- MH-5 = Manhole Ty A, 5 Dia
- MH-6 = Manhole Ty A, 6 Dia
- MH-7 = Manhole Ty A, 7 Dia
- RES-6 = Restroom CUBASIN, 6 Dia
- TEE = RCP Inlet Tee
- INL-6P = Inlet Type A (Special)
- TE = Connect to pipe
- OUT = Connect to Box Culvert & out pipe flush
- 1 = Frame & Lid Type 1
- 37M = Grate Type 37M
- 11 = Frame & Grate Type 11
- 11V = Frame & Grate Type 11V
- OL = Cast Open Lid
- CL = Cast Closed Lid
- 8X8C = FRP Box Culvert 6' x 6' w/ End Sections (ASTM-C880)
- END = Continuation By Others

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6208	07-00093-00-RP	KANKAKEE	43	18
MG2A# M2-096			CONTRACT NO: 87342	



LEGEND

- PAVEMENT WIDENING
- PAVEMENT REMOVAL
- BUTT JOINT
- PROPOSED STORM SEWER
- PROPOSED STORM STRUCTURE ID
- PROPOSED DRIVEWAY REPLACEMENT

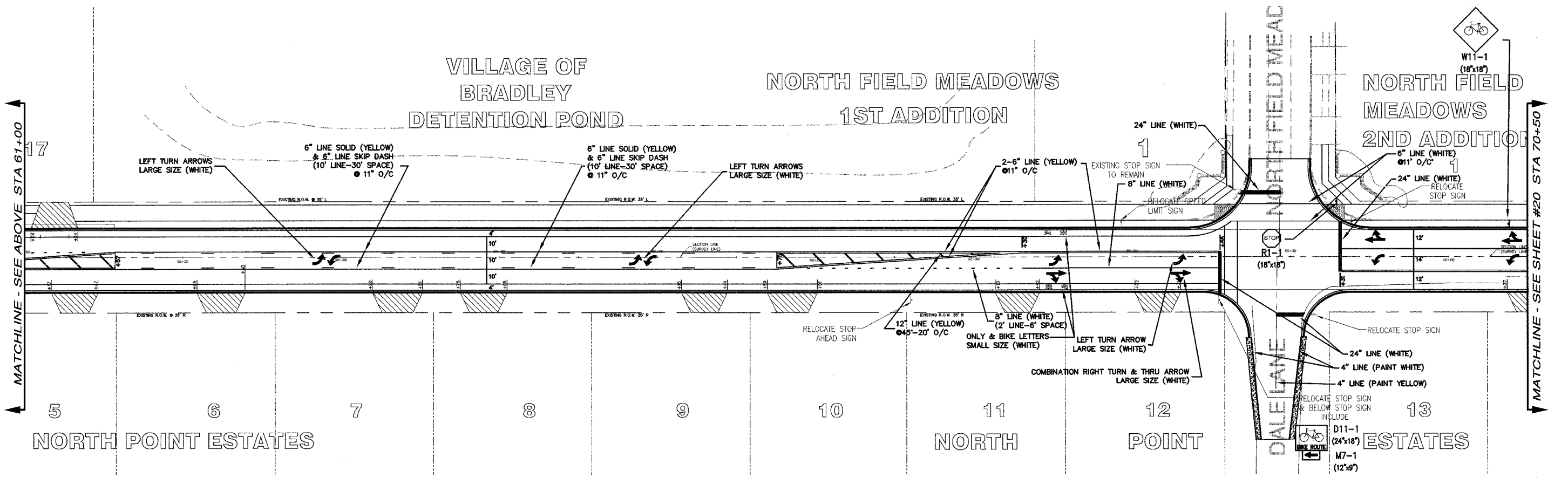
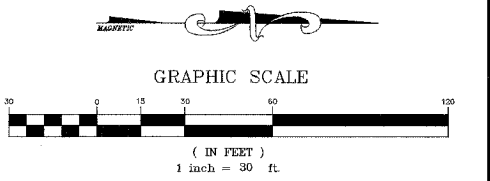
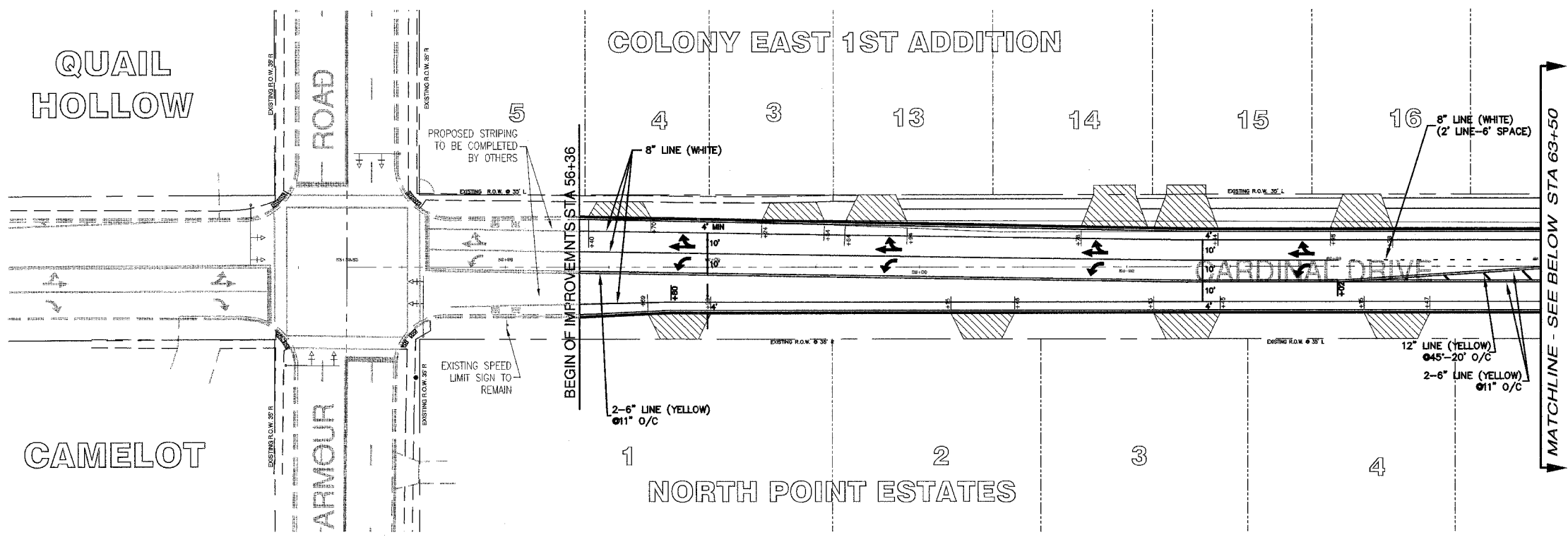


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REVISIONS		
DATE	BY	DESCRIPTION
2/11/08	AJC/JWP	PER IDOT REVIEW
3/27/08	JWP	PER IDOT REVIEW

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 PLAN & PROFILE SHEET  
 CARDINAL DRIVE  
 STA. 102+50 TO STA. 104+68  
 SCALE: VERTICAL 1" = 2'  
 HORIZONTAL 1" = 20'  
 DATE: 1/4/08  
 DRAWN BY: MJO/AJC  
 CHECKED BY: JWP

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6208	07-00093-00-RP	KANKAKEE	43	19
MG2A# M2-096			CONTRACT NO.: 87342	

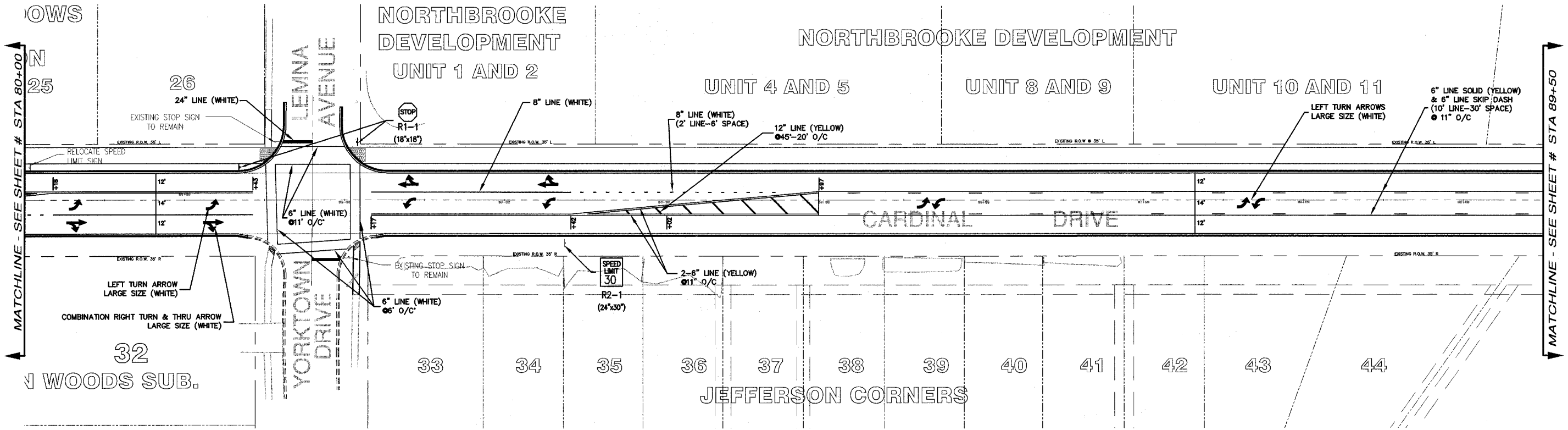
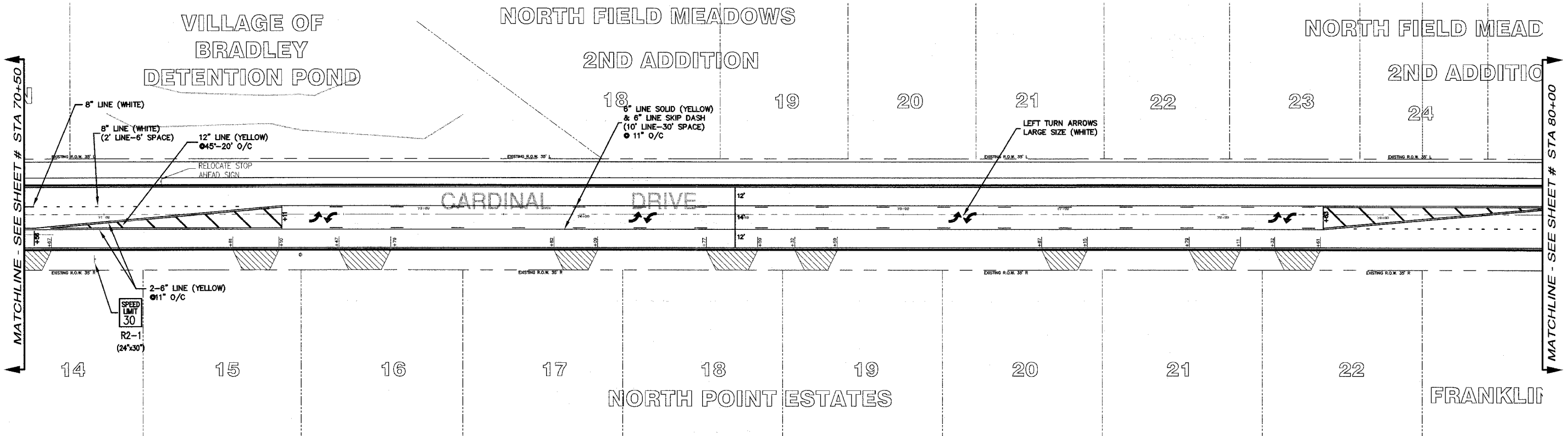


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REVISIONS		
DATE	BY	DESCRIPTION
2/11/08	AJC/JWP	PER IDOT REVIEW
3/27/08	JWP	PER IDOT REVIEW
4/1/08	JWP	PER REVIEWS
5/7/08	JWP	BIKE PATH REVISION PER COMMENT

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 PAVEMENT MARKING PLANS  
 CARDINAL DRIVE  
 STA 56+36 TO 70+50  
 SCALE: VERTICAL 1"= 3'  
 HORIZONTAL 1"= 30'  
 DATE: 1/4/08  
 DRAWN BY: MJO/AJC  
 CHECKED BY: JWP

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6208	07-00093-00-RP	KANKAKEE	43	20
MG2A# M2-096		CONTRACT NO.: 87342		



**M. GINGERICH, GEREUX & ASSOCIATES**

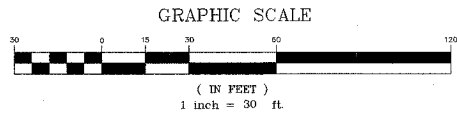
240 N. Industrial Drive  
Bradley, Illinois 60915  
815-939-4921  
FAX: 815-939-9810

REVISIONS		
DATE	BY	DESCRIPTION
2/11/08	AJC/JWP	PER IDOT REVIEW
3/27/08	JWP	PER IDOT REVIEW

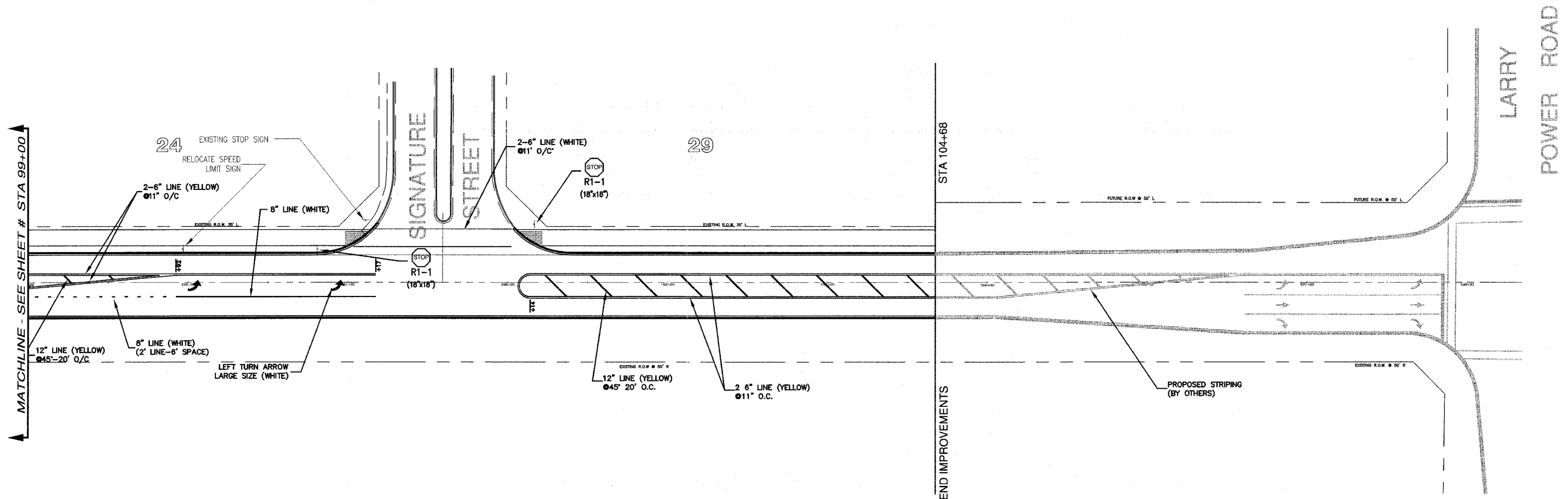
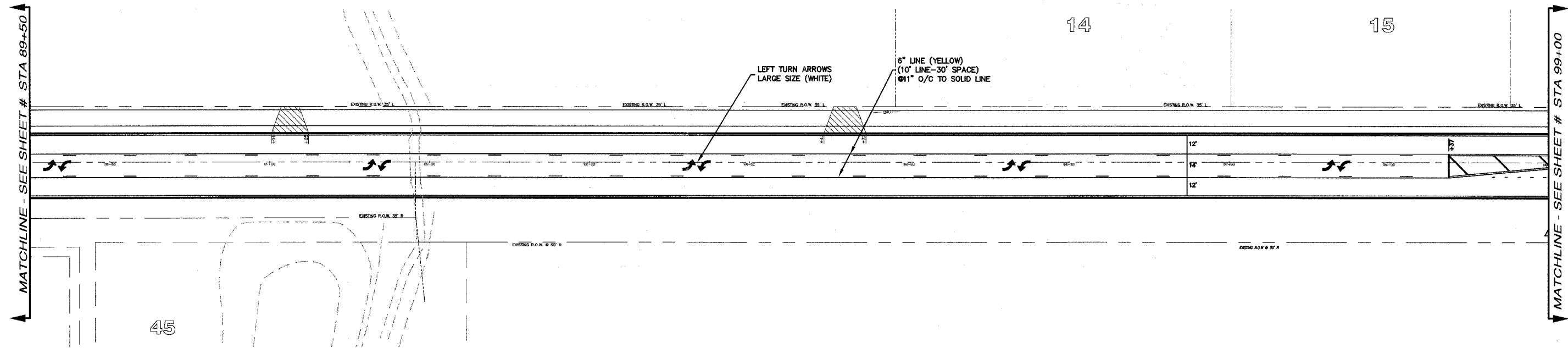
ILLINOIS DEPARTMENT OF TRANSPORTATION  
PAVEMENT MARKING PLANS  
CARDINAL DRIVE  
STA 70+50 TO 89+50

SCALE: VERTICAL 1"=3'  
HORIZONTAL 1"=30'

DATE: 1/4/08  
DRAWN BY: MJO/AJC  
CHECKED BY: JWP



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6208	07-00093-00-RP	KANKAKEE	43	21
MG2A# M2-096		CONTRACT NO.: 87342		



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 815-939-4921  
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**M. GINGERICH, GEREUX**  
 & ASSOCIATES

REVISIONS		
DATE	BY	DESCRIPTION
2/11/08	AJC/JWP	PER IDOT REVIEW
3/27/08	JWP	PER IDOT REVIEW

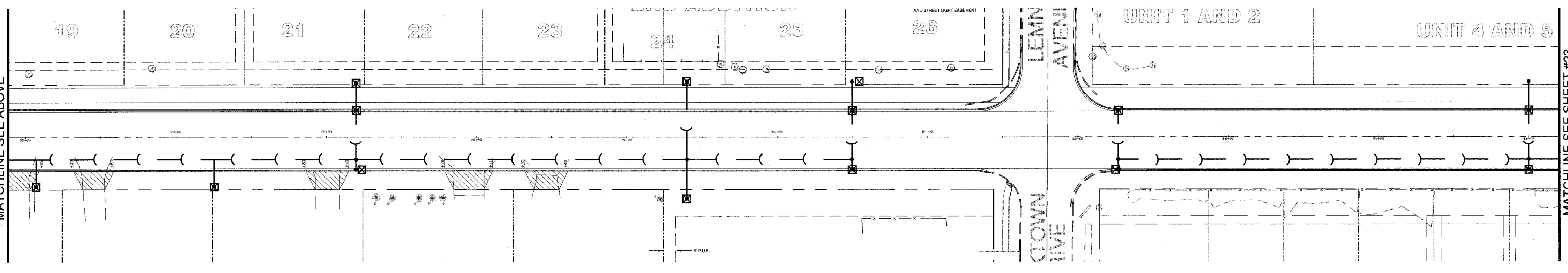
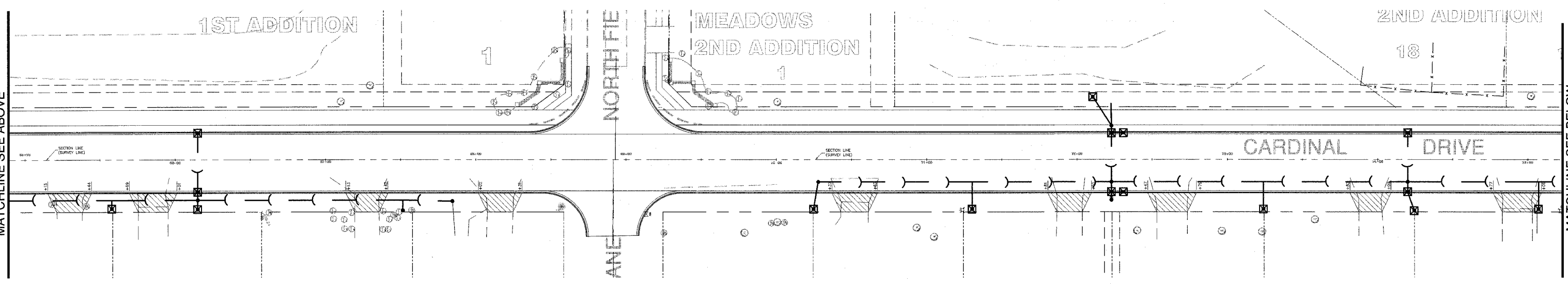
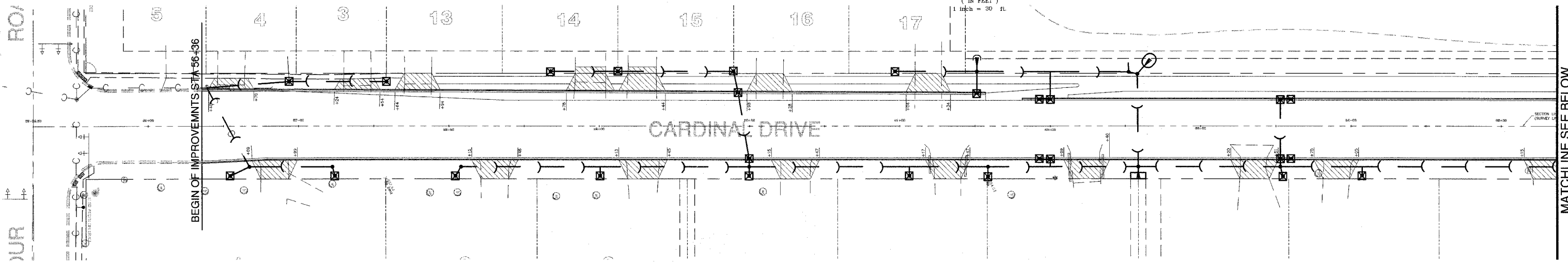
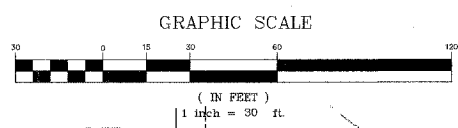
ILLINOIS DEPARTMENT OF TRANSPORTATION  
 PAVEMENT MARKING PLAN  
 CARDINAL DRIVE  
 STA 89+50 TO 104+68

SCALE: VERTICAL 1"= 3'  
 HORIZONTAL 1"= 30'

DATE: 1/4/08

DRAWN BY: MJO/AJC  
 CHECKED BY: JWP

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6208	07-00093-00-RP	KANKAKEE	43	22
MG2A# M2-096		CONTRACT NO.: 87342		



MATCHLINE SEE ABOVE

MATCHLINE SEE ABOVE

MATCHLINE SEE BELOW

MATCHLINE SEE BELOW

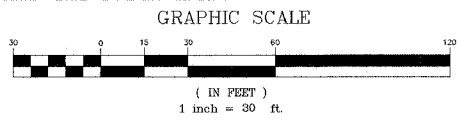
MATCHLINE SEE SHEET #23

240 N. Industrial Drive  
Bradley, Illinois 60915  
815-939-4921  
FAX: 815-939-9810

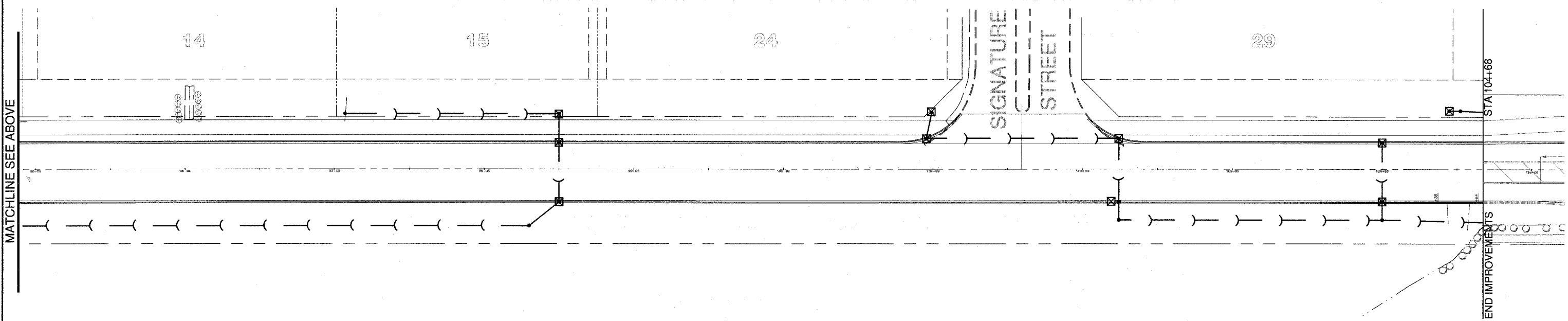
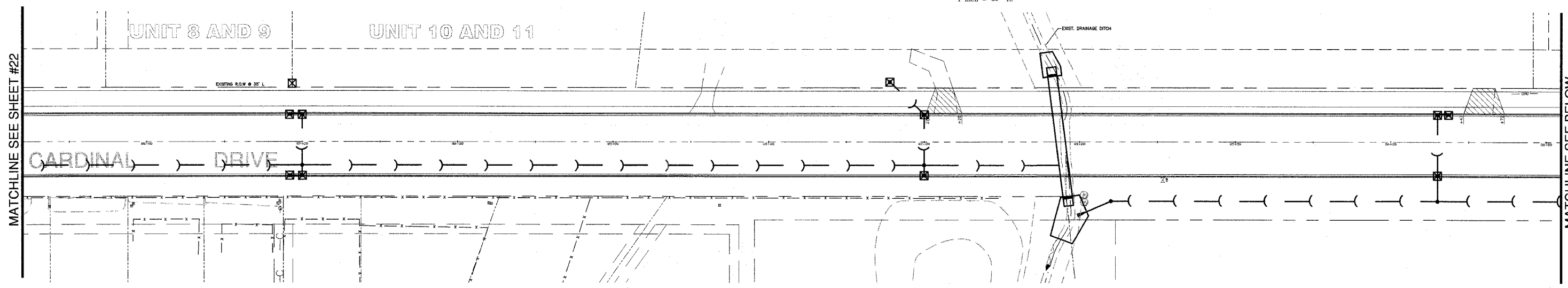
REVISIONS		
DATE	BY	DESCRIPTION
2/11/08	AJC/JWP	PER IDOT REVIEW
3/27/08	JWP	PER IDOT REVIEW

ILLINOIS DEPARTMENT OF TRANSPORTATION  
STORMWATER POLLUTION PREVENTION PLAN SHEET  
CARDINAL DRIVE  
STA 56+36 TO STA 85+20

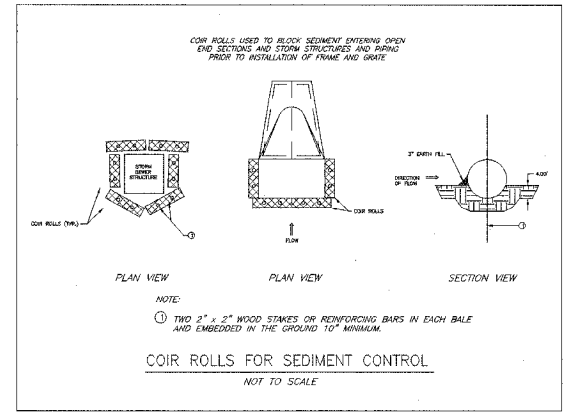
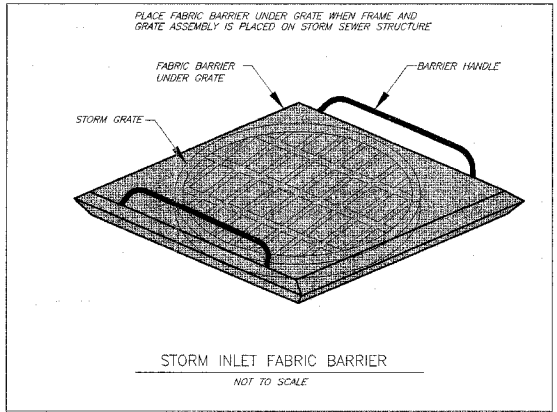
SCALE: 1" = 30'  
DATE: 1/4/08  
DRAWN BY: MJO/AJC  
CHECKED BY: JWP



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6208	07-00093-00-RP	KANKAKEE	43	23
MG2A# M2-096		CONTRACT NO.: 87342		



- TEMPORARY EROSION CONTROL NOTES:
1. EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN ACCORDANCE WITH ILLINOIS URBAN MANUAL AND THE VILLAGE DESIGN STANDARDS.
  2. INLET AND PIPE PROTECTION SHALL BE INSTALLED IMMEDIATELY AFTER DITCH EXCAVATION AND STORM SEWER CONSTRUCTION. CONTRACTOR SHALL PLACE FILTER FABRIC UNDER LID OF ALL PROPOSED DRAINAGE STRUCTURES LOCATED WITHIN PAVEMENT AREAS.
  3. RUNOFF FROM EXCAVATED AREAS SHALL LEAVE THE SITE THROUGH SEDIMENT CONTROL DEVICES. THE CONTRACTOR SHALL ADJUST HIS OPERATION AND IMPLEMENT EROSION CONTROL MEASURES ACCORDINGLY.
  4. THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS AS SOON AS PRACTICAL AFTER CONSTRUCTION ACTIVITIES IN THAT AREA HAVE BEEN CONCLUDED. AREAS THAT HAVE STEEP SLOPES OR WILL NOT RECEIVE PERMANENT LANDSCAPING SHALL BE TEMPORARILY SEEDED.

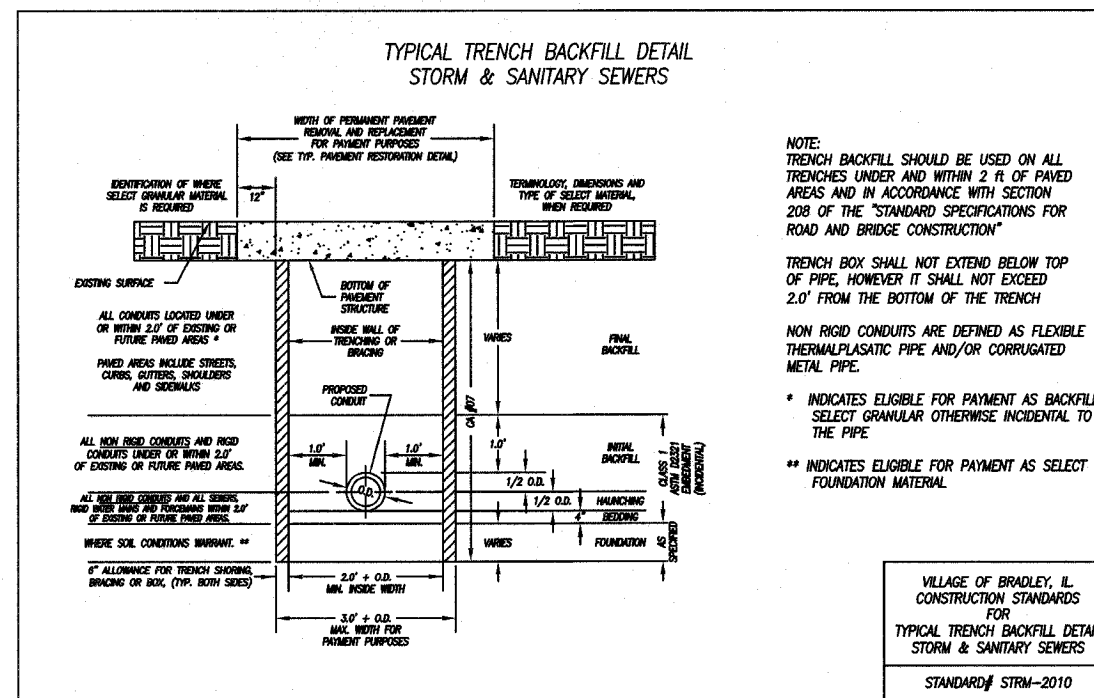
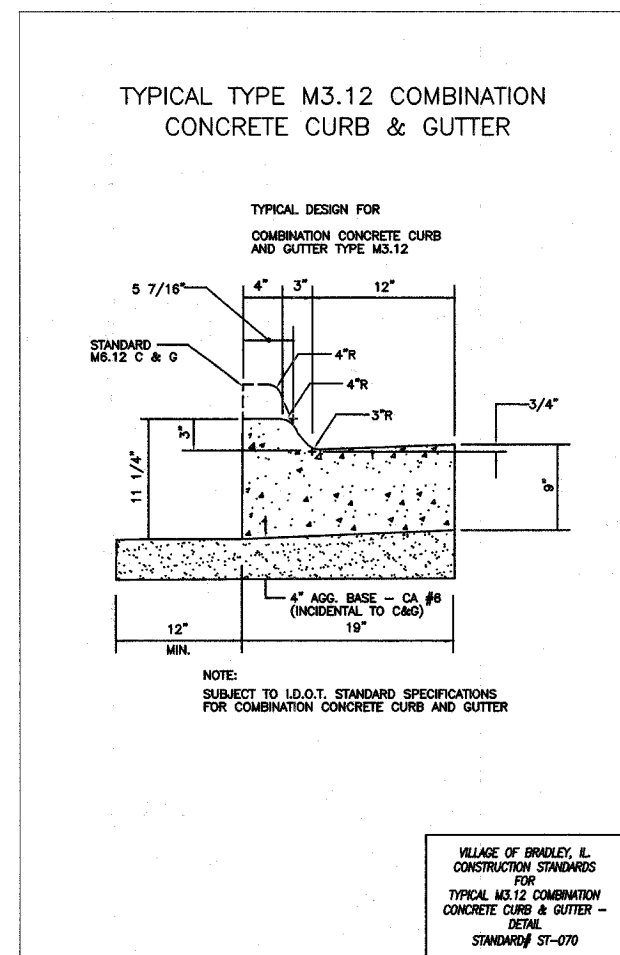
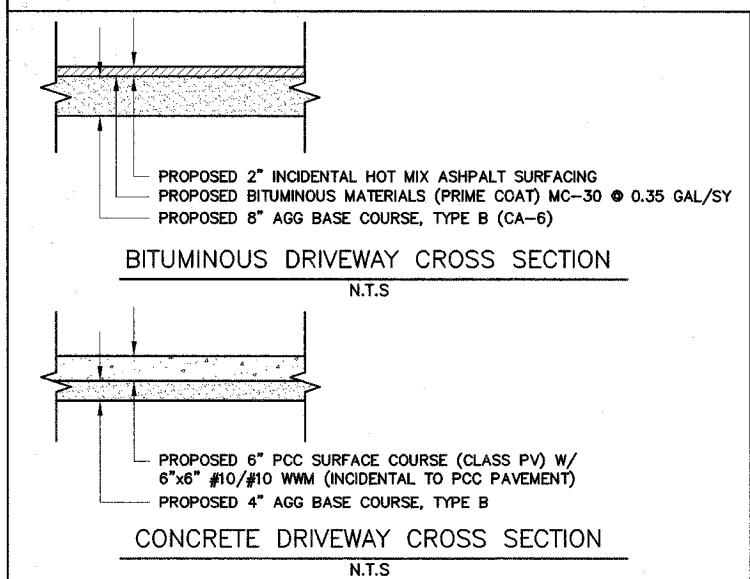
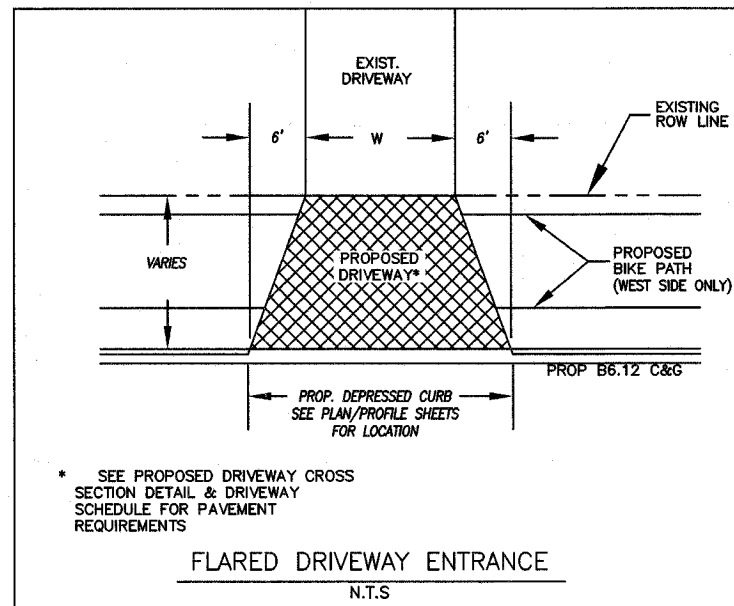
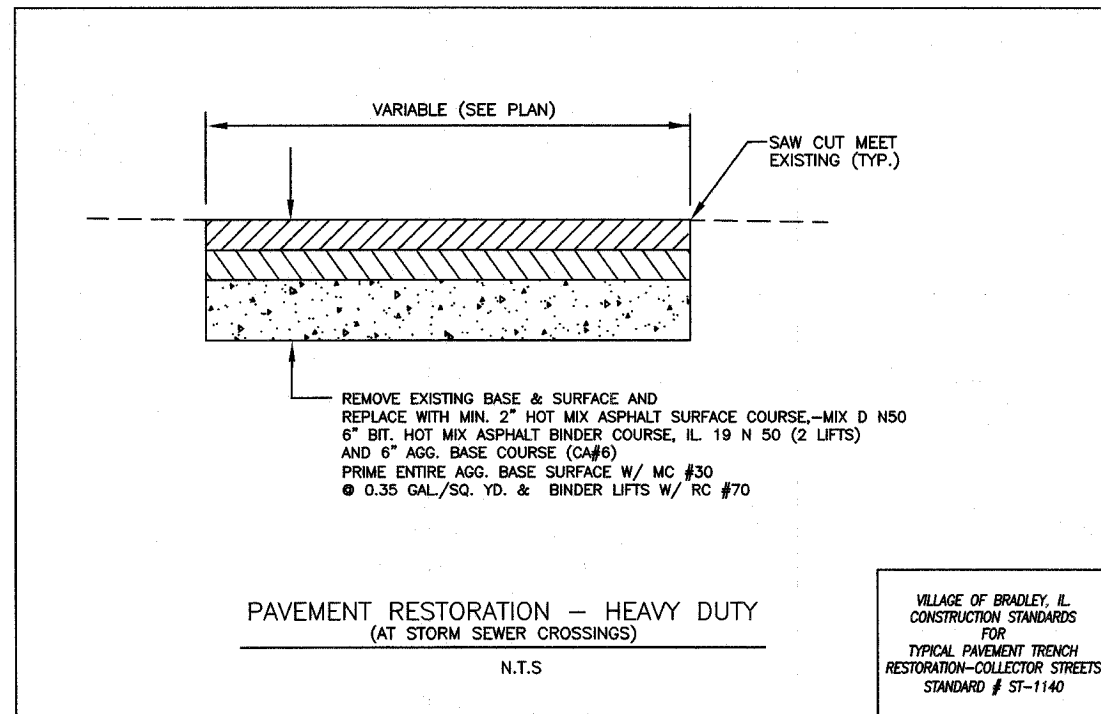


**LEGEND**

- ☒ - STORM INLET PROTECTION
- ⤿ - COIR ROLL

REVISIONS		
DATE	BY	DESCRIPTION
2/11/08	AJC/JWP	PER IDOT REVIEW
3/27/08	JWP	PER IDOT REVIEW
4/1/08	JWP	PER REVIEWS

ILLINOIS DEPARTMENT OF TRANSPORTATION  
STORMWATER POLLUTION PREVENTION PLAN SHEET  
CARDINAL DRIVE  
STA 85+20 TO STA 104+68  
SCALE: 1"= 30'  
DRAWN BY: MJO/AJC  
DATE: 1/4/08  
CHECKED BY: JWP

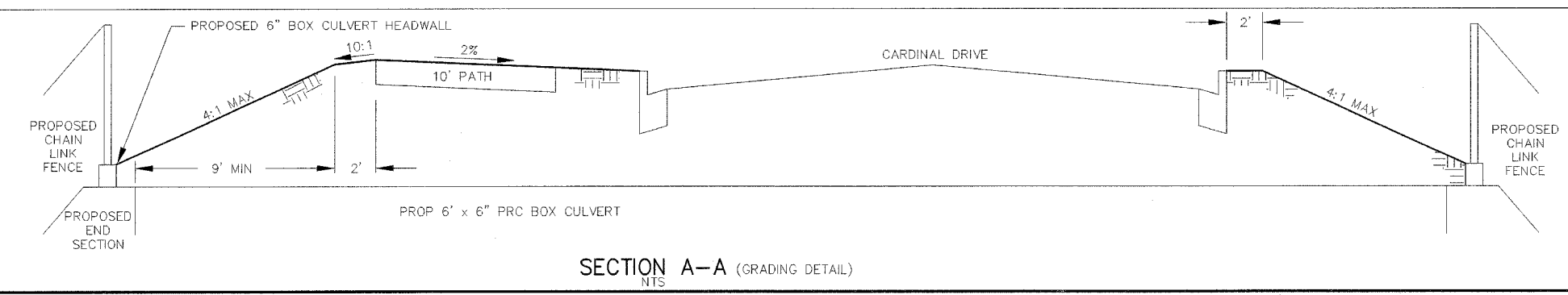
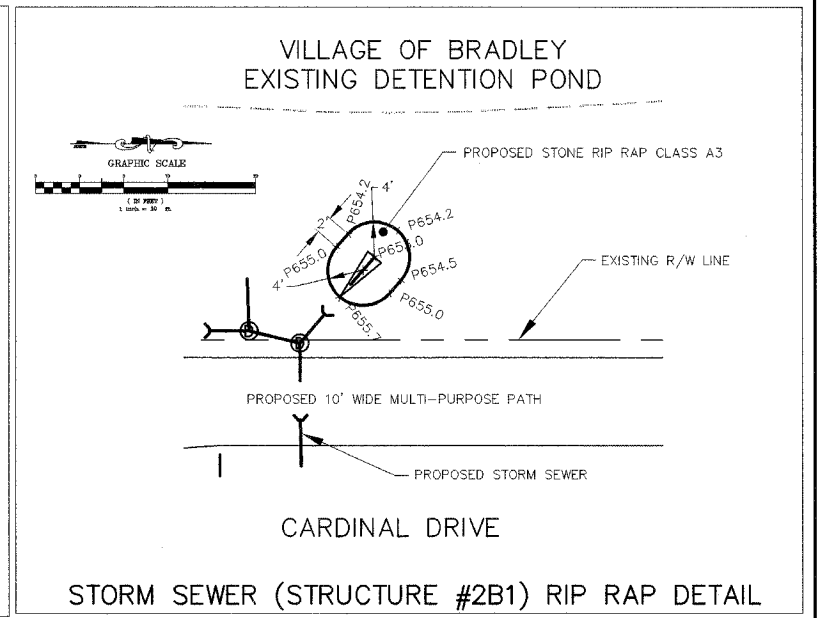
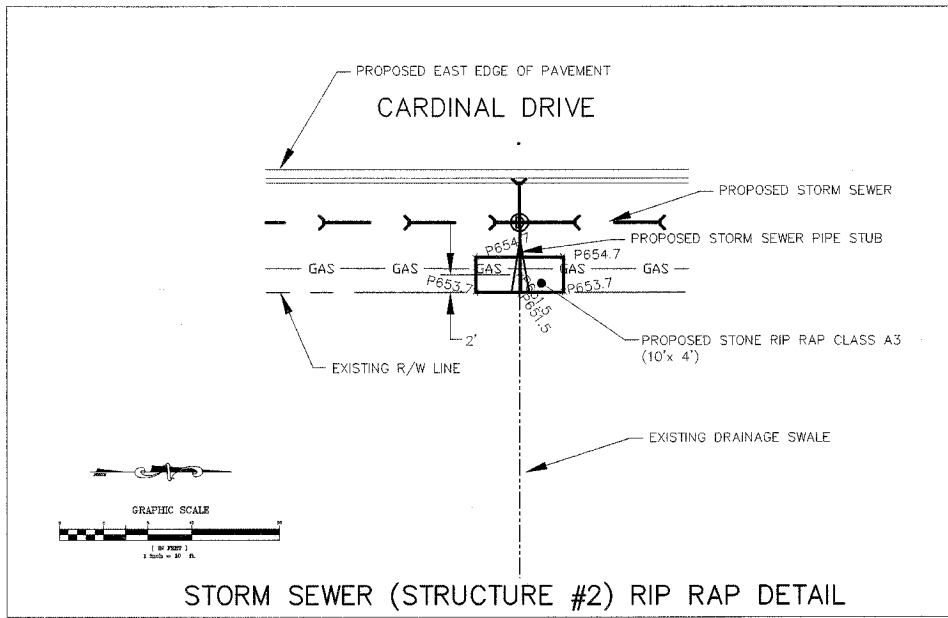
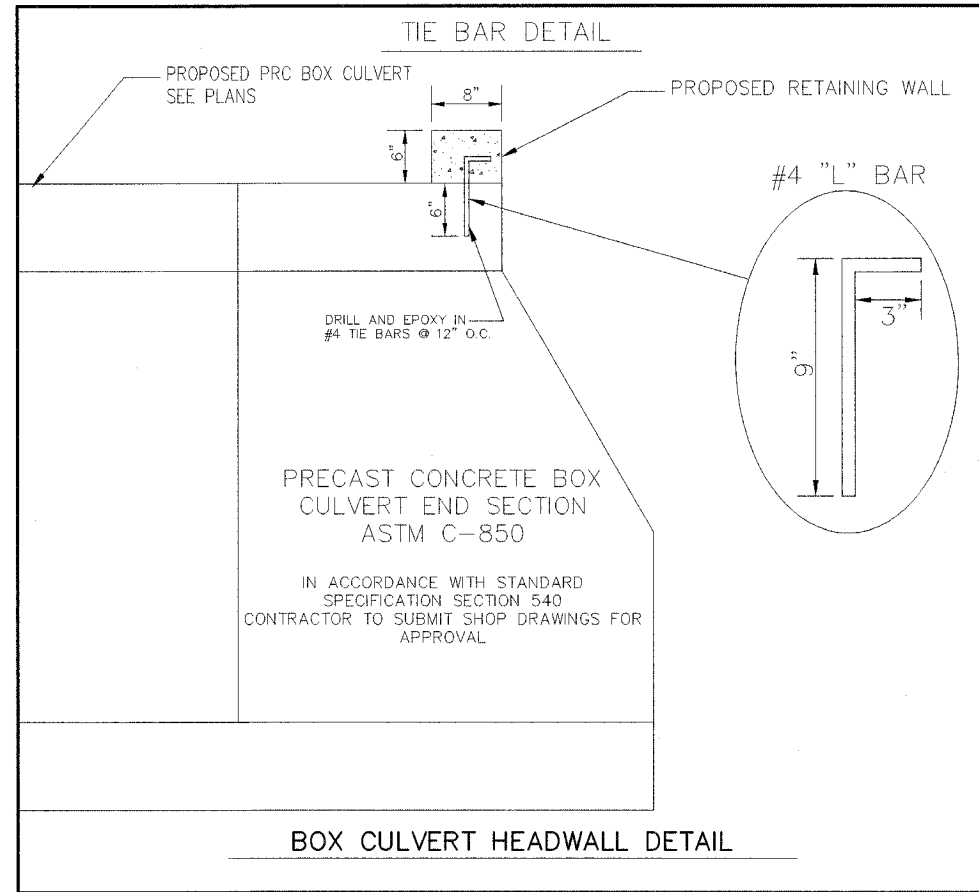
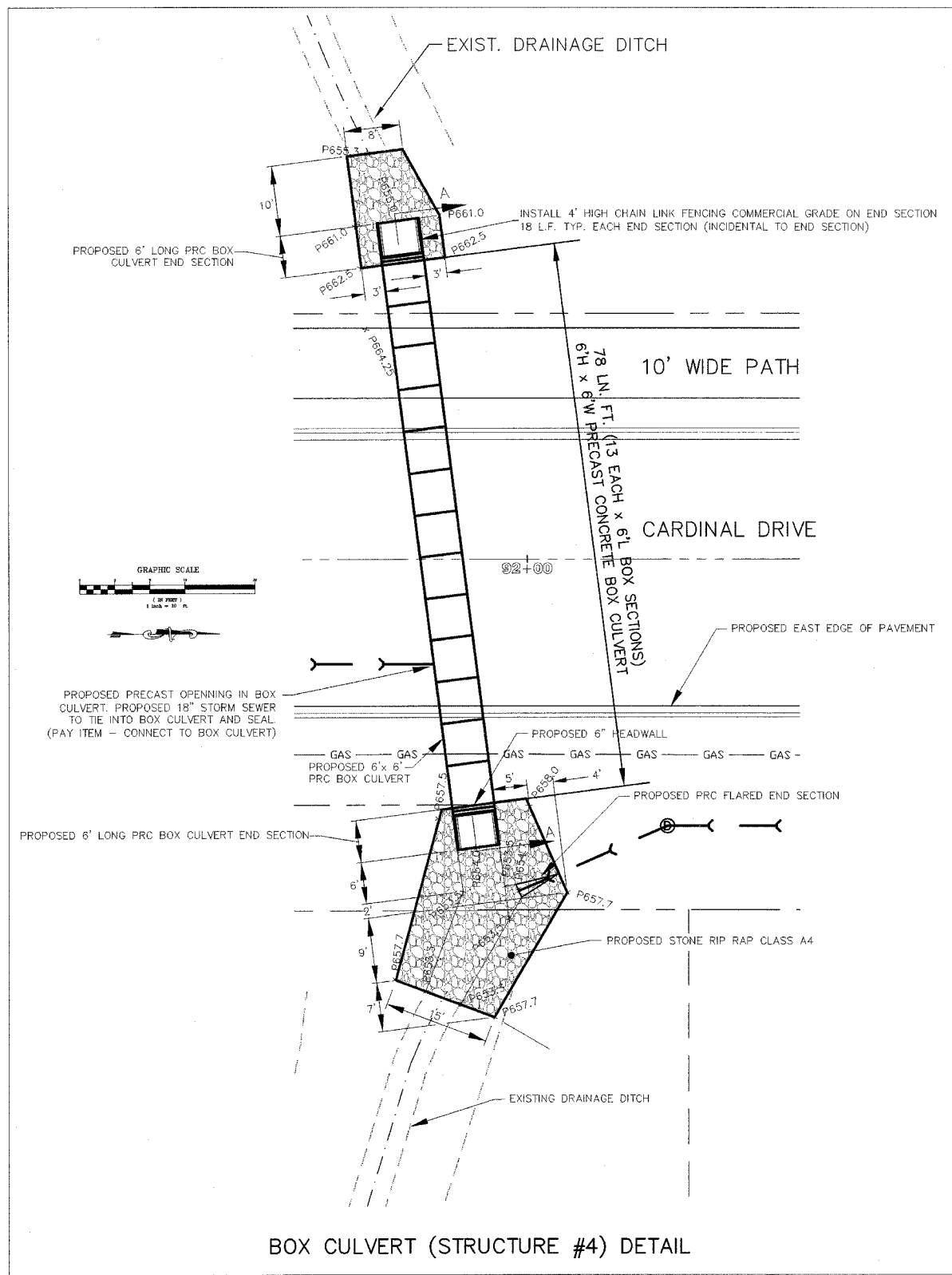


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REVISIONS		
DATE	BY	DESCRIPTION
2/11/08	AJC/JWP	PER IDOT REVIEW





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Bradley, Illinois 60915  
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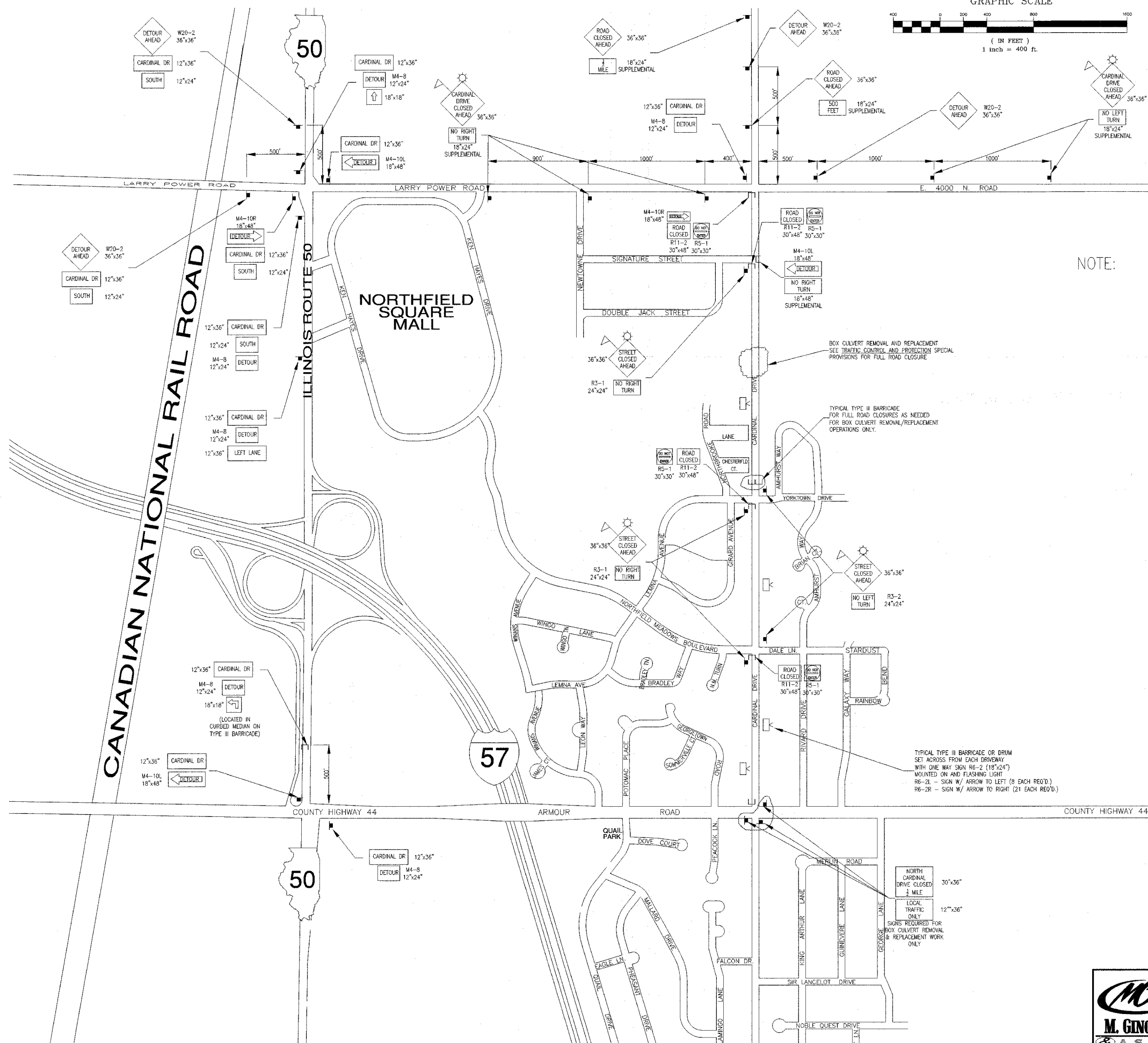
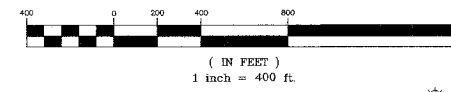
REVISIONS		
DATE	BY	DESCRIPTION
2/11/08	AJC/JWP	PER IDOT REVIEW
3/27/08	JWP	PER IDOT REVIEW
4/1/08	JWP	PER REVIEWS
4/30/08	JWP	REVISE SECTION A-A DETAIL

ILLINOIS DEPARTMENT OF TRANSPORTATION  
DETAIL SHEET  
CARDINAL DRIVE

SCALE: DATE: 1/4/08

DRAWN BY: MJO/AJC  
CHECKED BY: JWP

GRAPHIC SCALE



NOTE: TRAFFIC CONTROL FOR ONE-WAY NORTHBOUND ON CARDINAL DRIVE DURING PAVEMENT WIDENING & CURB IMPROVEMENTS AND ROAD CLOSURE FOR BOX CULVERT REMOVAL/ REPLACEMENT.

DRUMS TO BE USED TO SEPERATE ONE-WAY TRAFFIC FROM WORK AREA. TYPICAL DRUM SPACING TO BE 50' MINIMUM (20' MINIMUM AT DIRECTIONAL LANE TAPERS).

DAYTIME LANE CLOSURES PER STD# 701301-02 SHALL BE ALLOWED DURING STORM SEWER INSTALLATION ONLY. TWO WAY TRAFFIC SHALL BE OTHERWISE MAINTAINED. WORK AREAS FOR LANE CLOSURES LIMITED TO 500 FEET.

LEGEND

- TYPE III BARRICADES CONFORMING TO STD# BLR 22-05 ROAD CLOSED TO ALL TRAFFIC WITH 2 FLASHING LIGHTS PER BARRICADE (WITH SIGN ATTACHED -SEE PLAN)
- TYPE III BARRICADE OR DRUM WITH ONE-WAY 18"x24" SIGNS MOUNTED ON AND R6-2L OR R6-2R WITH FLASHING LIGHT
- SIGN ON PERMANENT WOOD SUPPORT
- FLASHING LIGHT ABOVE SIGN
- 18"x18" ORANGE FLAG
- LOCATION AND SIGNS FOR ROAD CLOSURE CONDITION ONLY

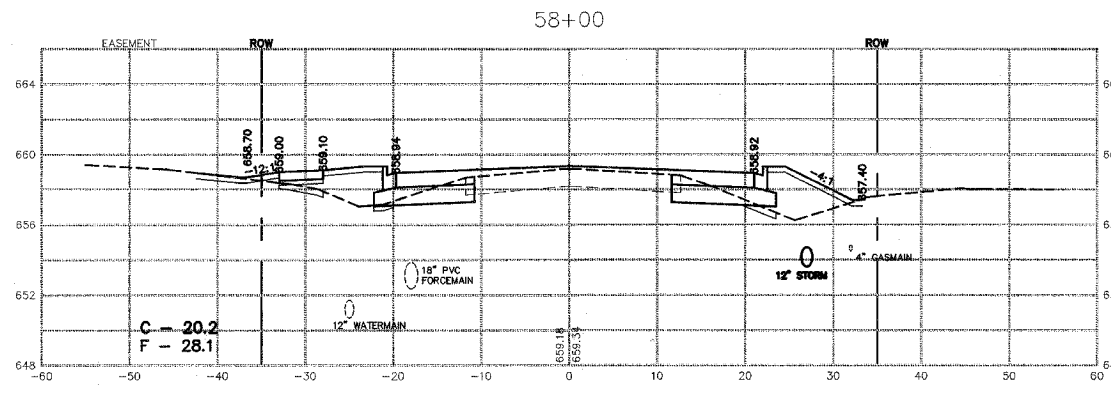
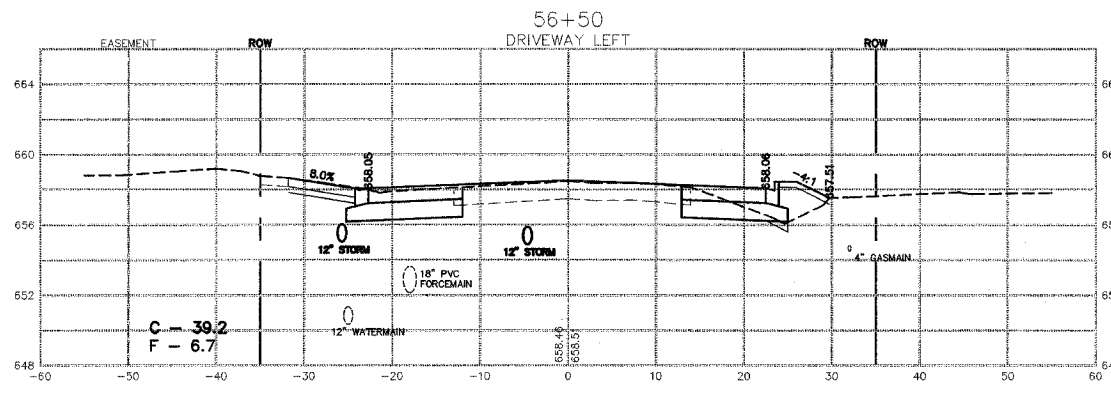
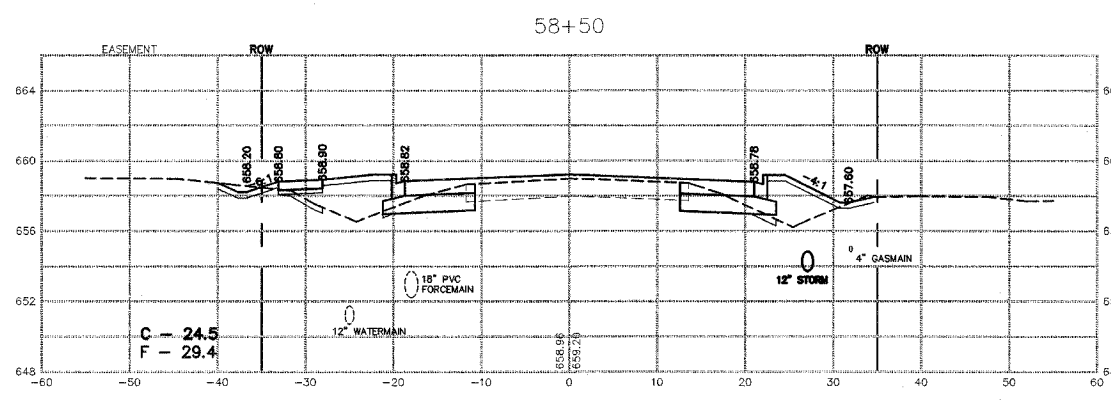
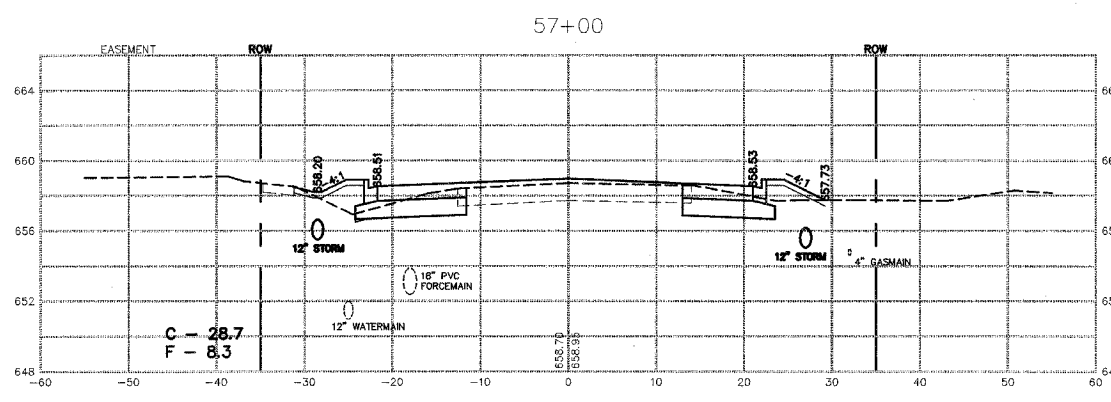
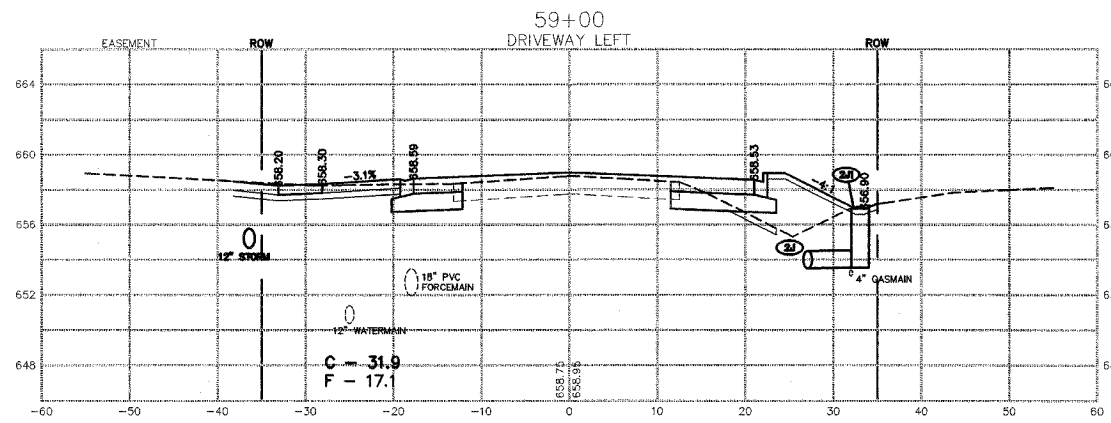
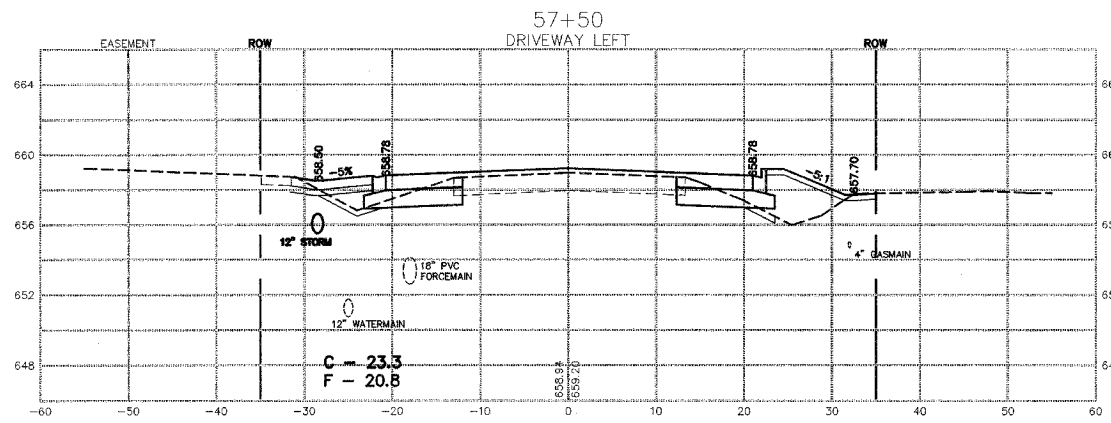
NOTE: APPROPRIATE SIGNAGE AND ROAD CLOSURES TO BE ACCORDANCE WITH TRAFFIC CONTROL AND PROTECTION SPECIAL PROVISIONS

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REVISIONS		
DATE	BY	DESCRIPTION
2/11/08	AJC/WP	PER IDOT REVIEW
3/27/08	JWP	PER IDOT REVIEW
4/1/08	JWP	PER REVIEWS

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 TRAFFIC CONTROL & DETOUR MAP  
 CARDINAL DRIVE

SCALE: HORIZONTAL 1"= 60'  
 DRAWN BY: MJO/AJC  
 DATE: 1/4/08  
 CHECKED BY: JWP



REVISIONS		
DATE	BY	DESCRIPTION
2/11/08	AJC/JWP	PER IDOT REVIEW
3/27/08	JWP	PER IDOT REVIEW
4/1/08	JWP	PER REVIEWS
5/7/08	JWP	BIKE PATH REVISION PER COMMENT

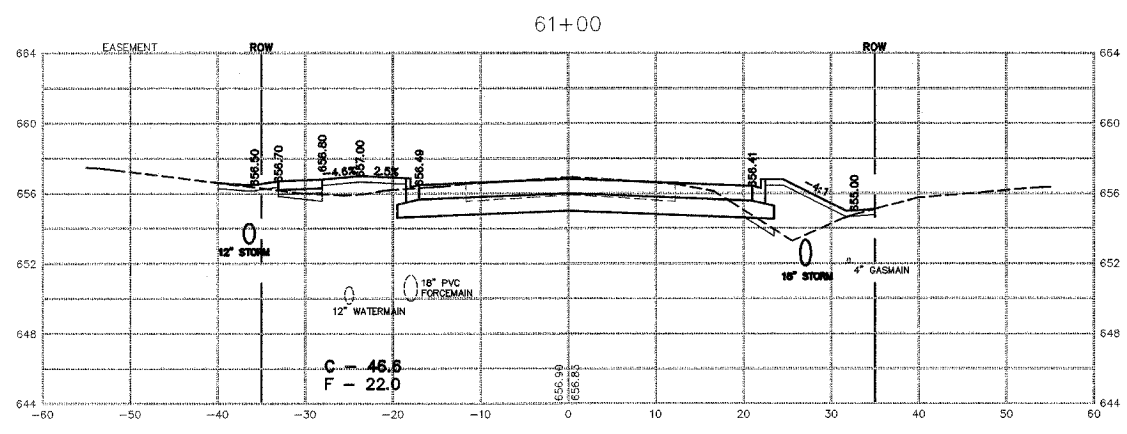
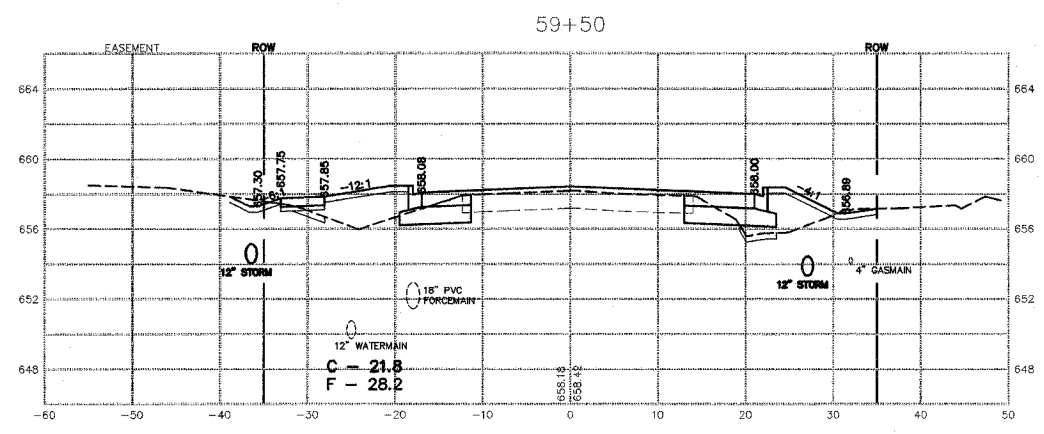
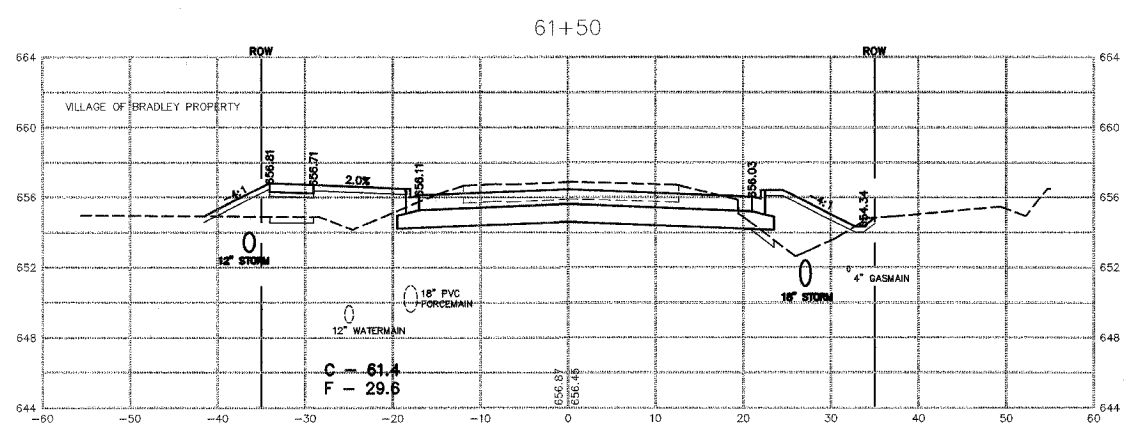
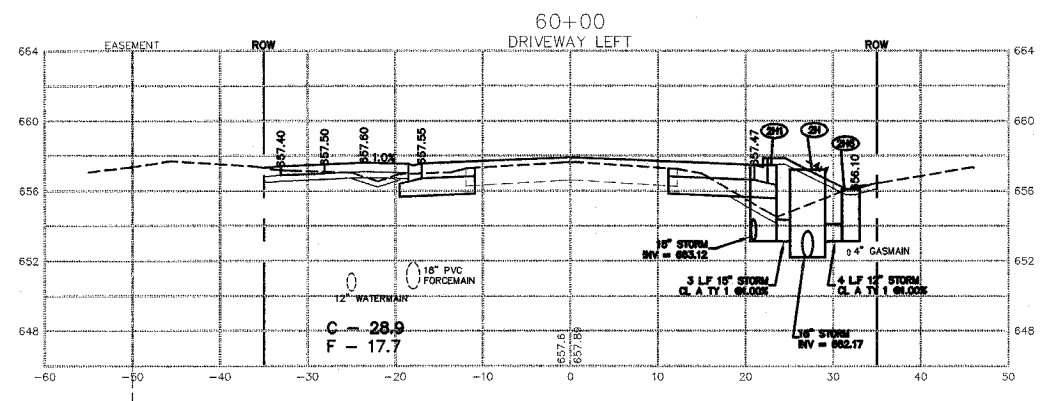
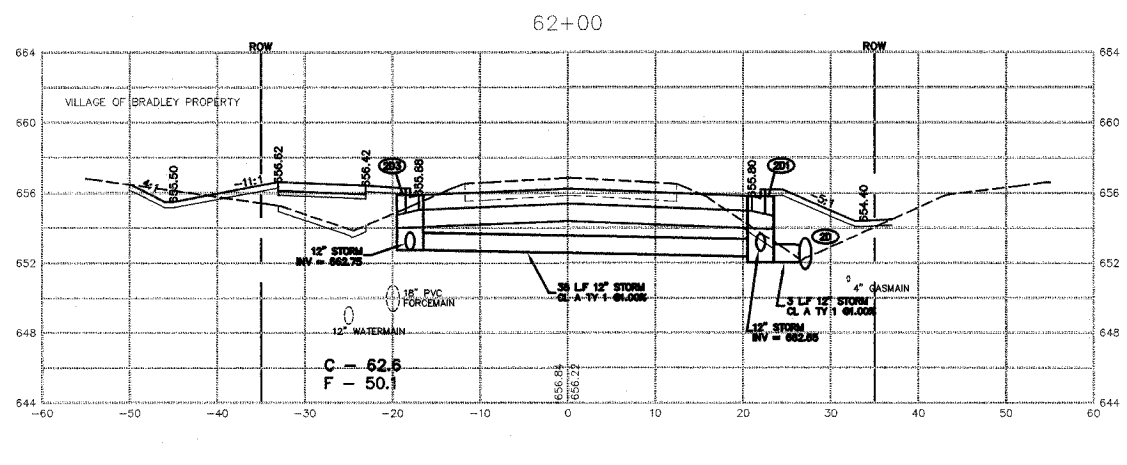
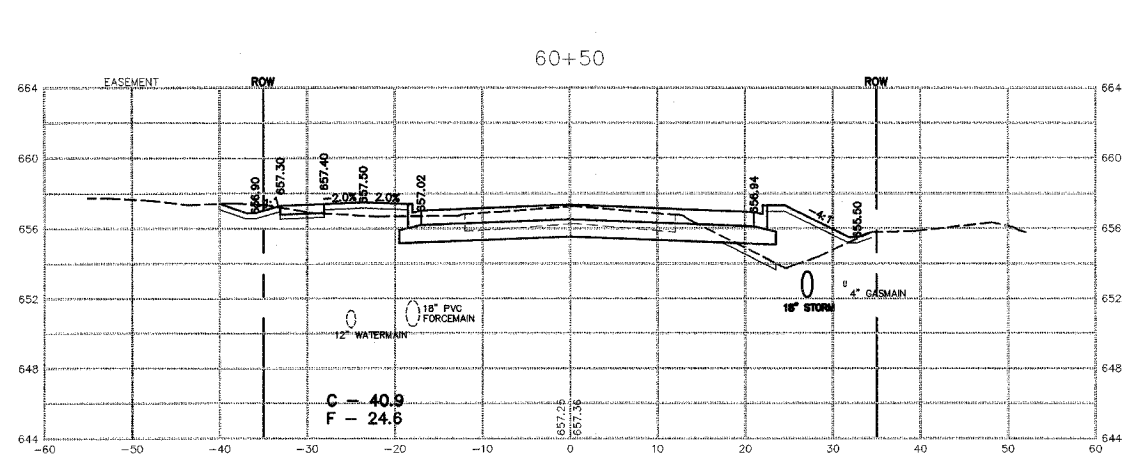
ILLINOIS DEPARTMENT OF TRANSPORTATION  
CROSS SECTIONS SHEET  
CARDINAL DRIVE

STA. 56+50 TO 59+00

SCALE: VERTICAL 1" = 5'  
HORIZONTAL 1" = 10'

DATE: 1/4/08

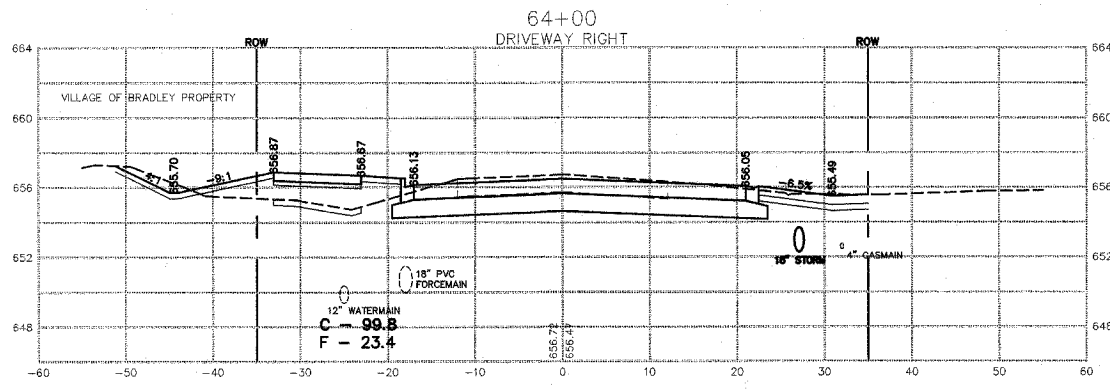
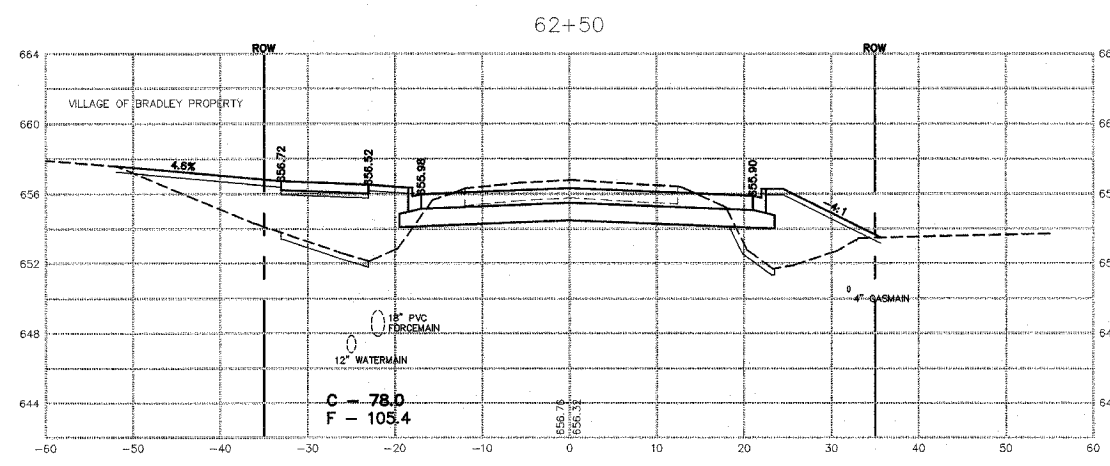
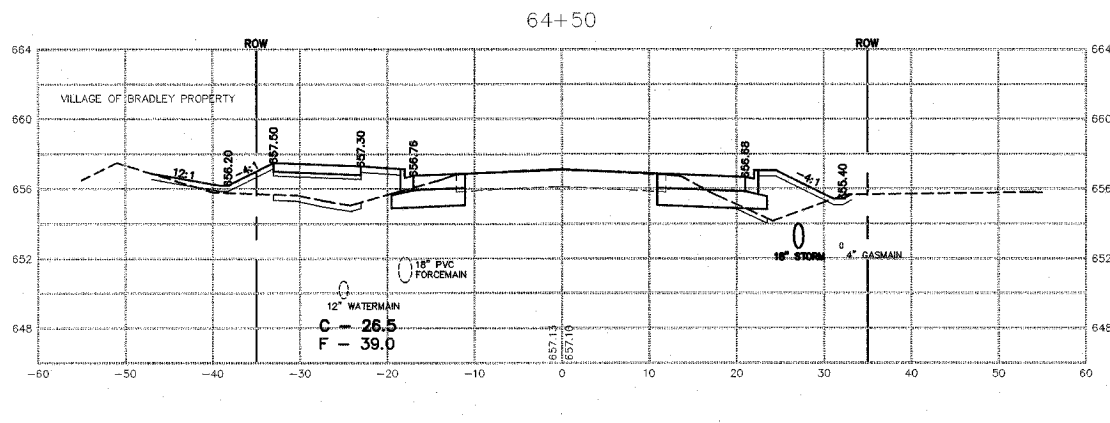
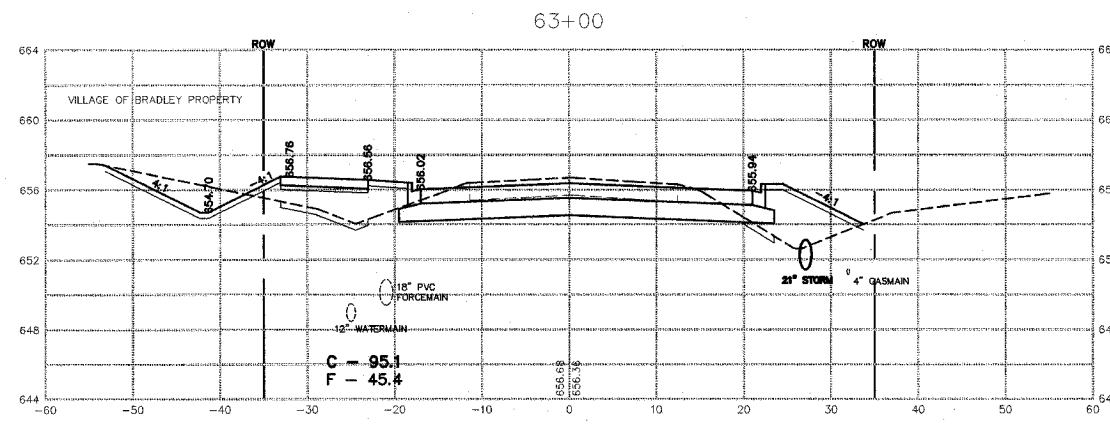
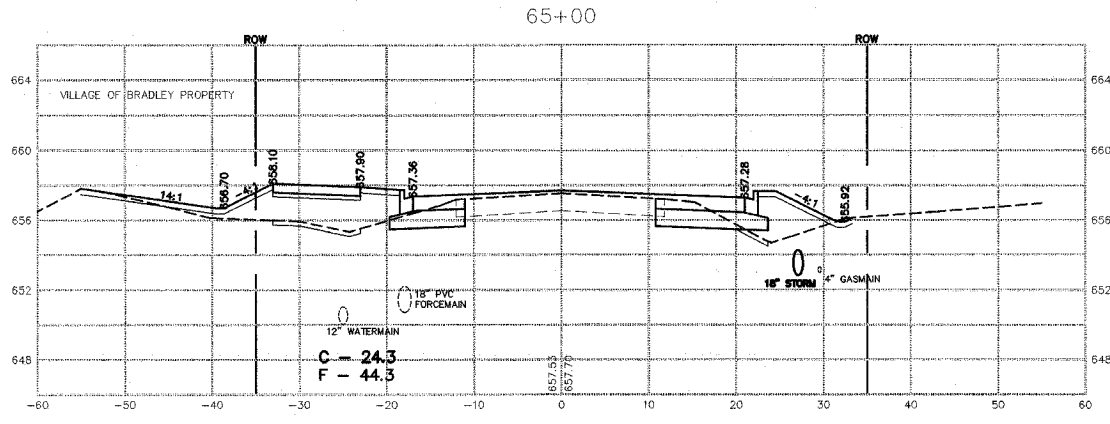
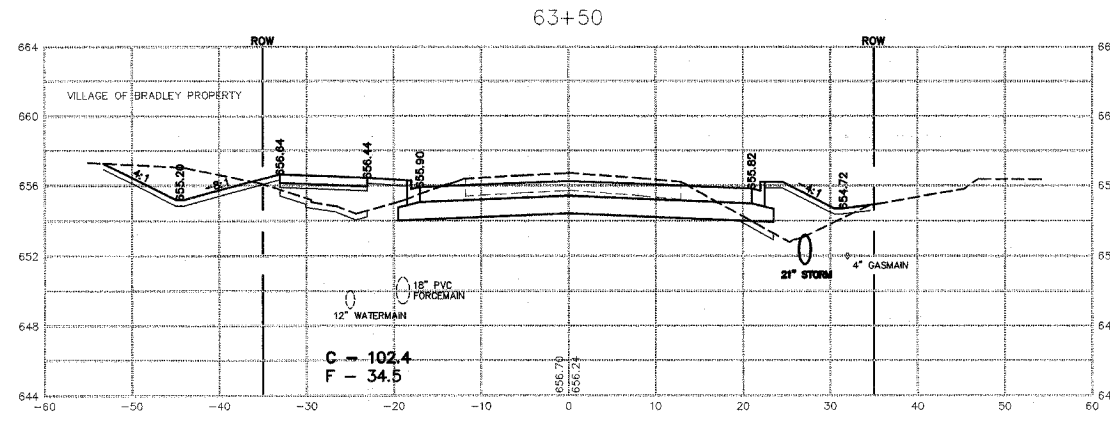
DRAWN BY: MJO/AJC  
CHECKED BY: JWP



REVISIONS		
DATE	BY	DESCRIPTION
2/11/08	AJC/JWP	PER IDOT REVIEW
3/27/08	JWP	PER IDOT REVIEW
4/1/08	JWP	PER REVIEWS
5/7/08	JWP	RNE PATH REVISION PER COMMENT

ILLINOIS DEPARTMENT OF TRANSPORTATION  
CROSS SECTIONS SHEET  
CARDINAL DRIVE  
STA. 59+50 TO 62+00

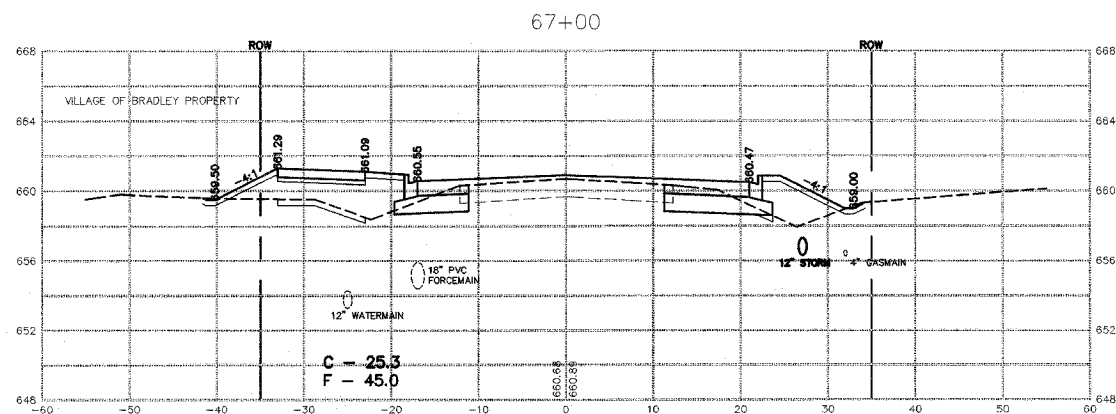
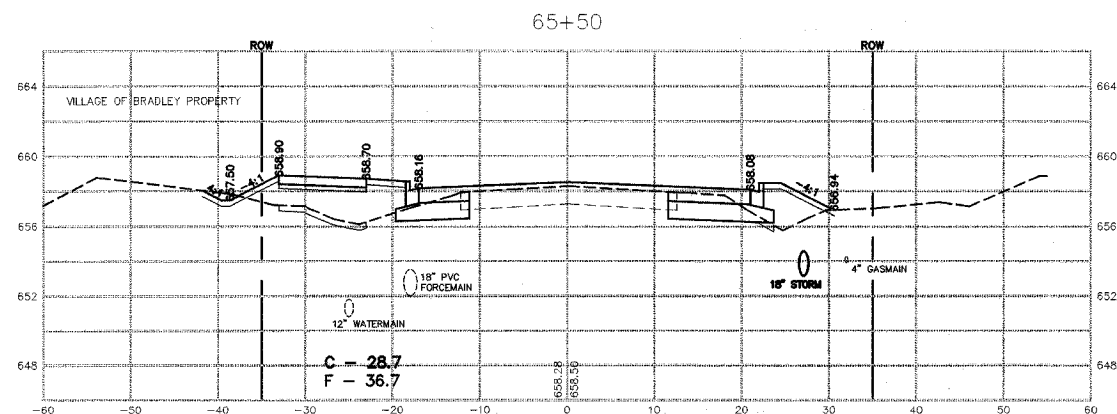
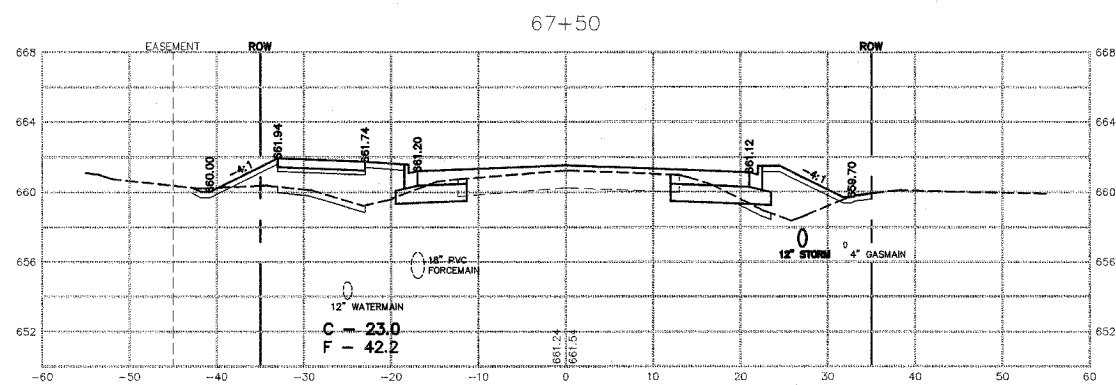
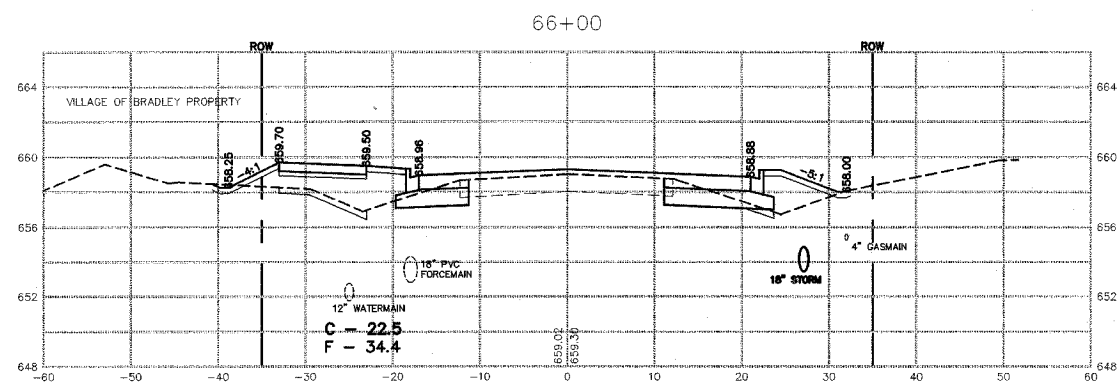
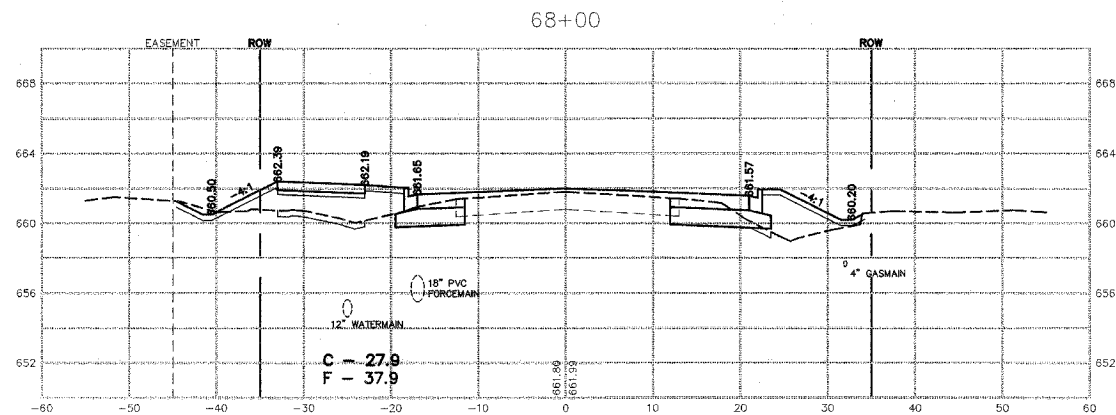
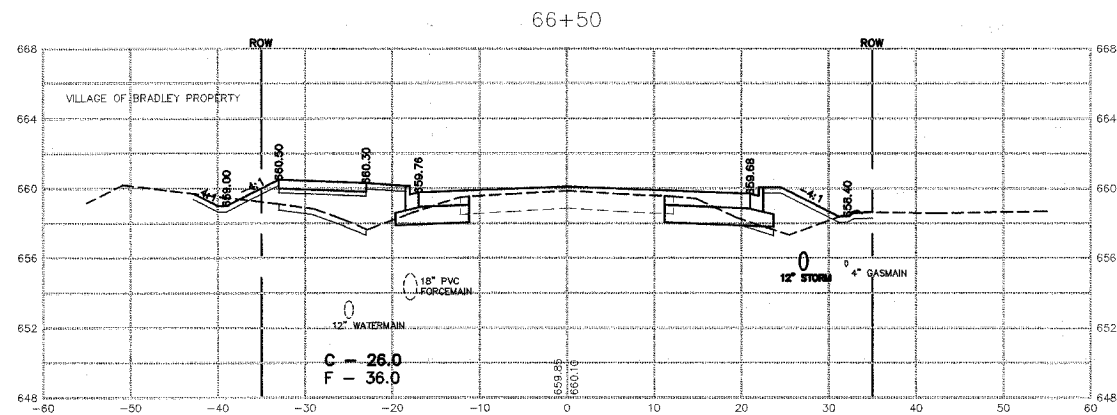
SCALE: \_\_\_\_\_ DRAWN BY: MJO/AJC  
DATE: 1/4/08 CHECKED BY: JWP



REVISIONS		
DATE	BY	DESCRIPTION
2/11/08	AJC/JWP	PER IDOT REVIEW
3/27/08	JWP	PER IDOT REVIEW

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 CROSS SECTIONS SHEET  
 CARDINAL DRIVE  
 STA. 62+50 TO STA. 65+00

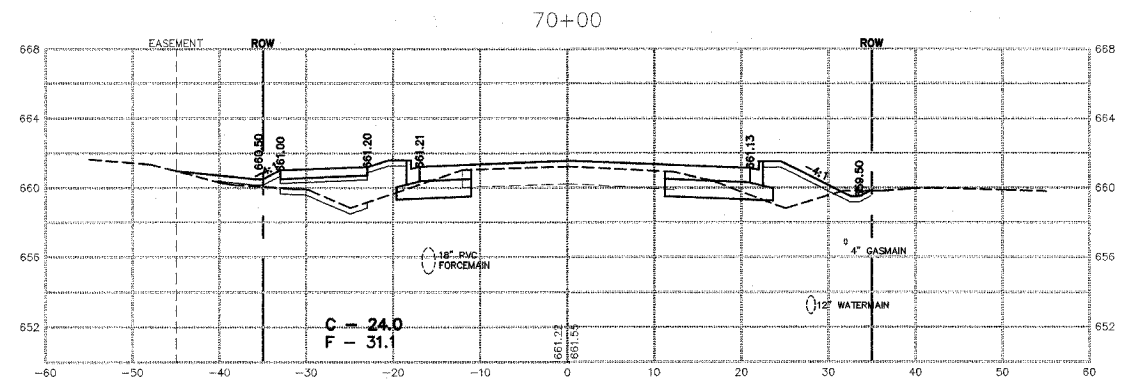
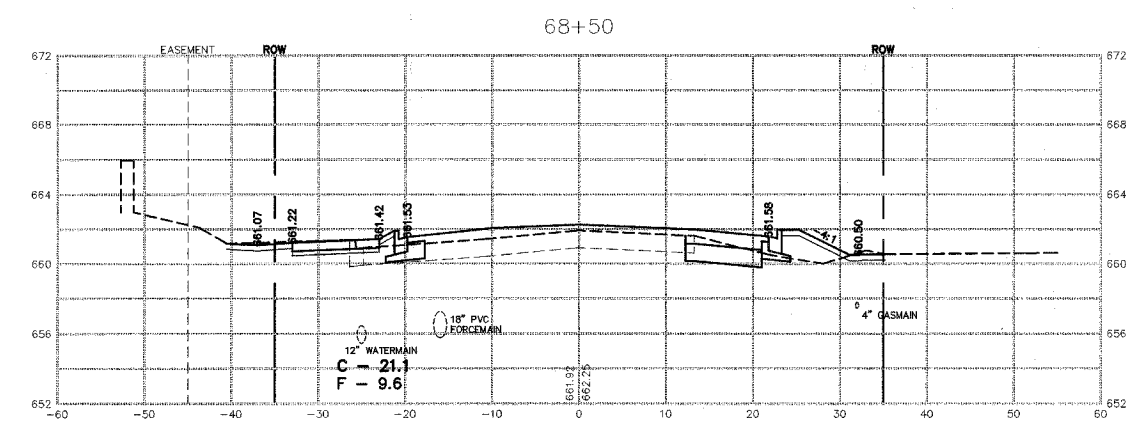
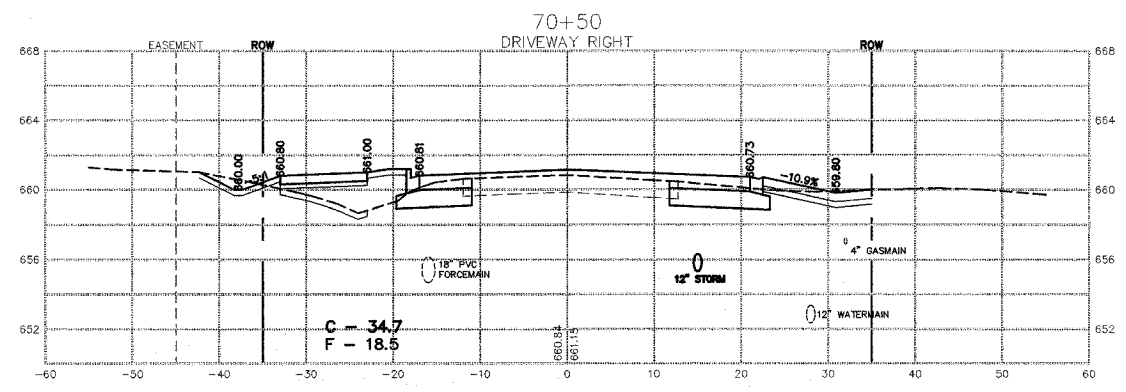
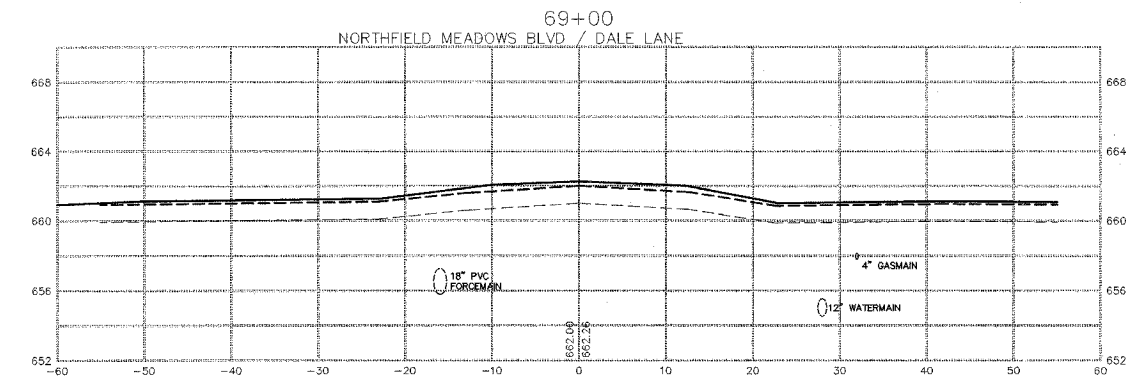
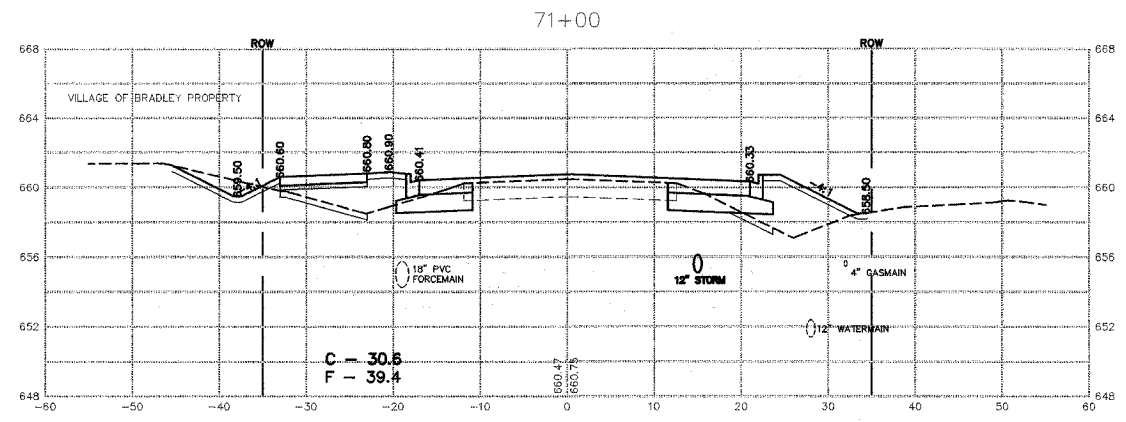
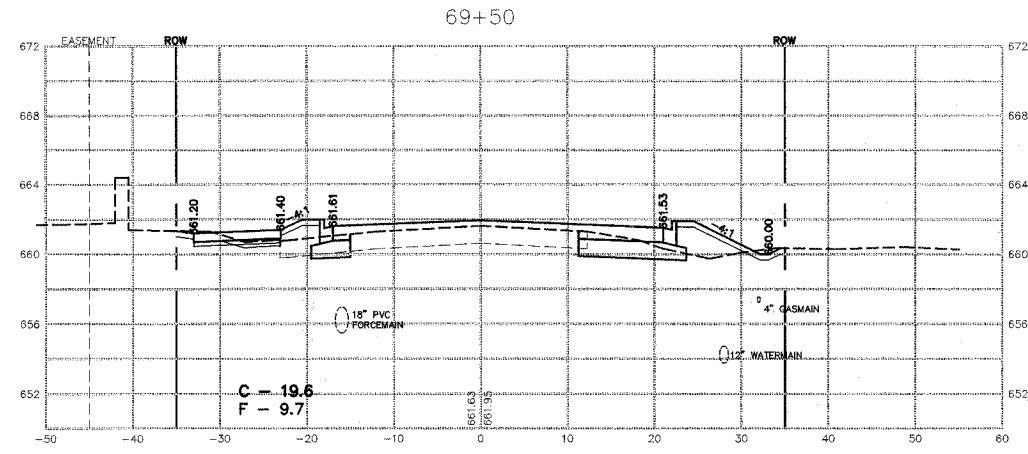
SCALE: \_\_\_\_\_ DRAWN BY: MJO/AJC  
 DATE: 1/4/08 CHECKED BY: JWP



REVISIONS		
DATE	BY	DESCRIPTION
2/11/08	AJC/JWP	PER IDOT REVIEW
3/27/08	JWP	PER IDOT REVIEW

ILLINOIS DEPARTMENT OF TRANSPORTATION  
CROSS SECTIONS SHEET  
CARDINAL DRIVE  
STA. 65+50 TO STA. 68+00

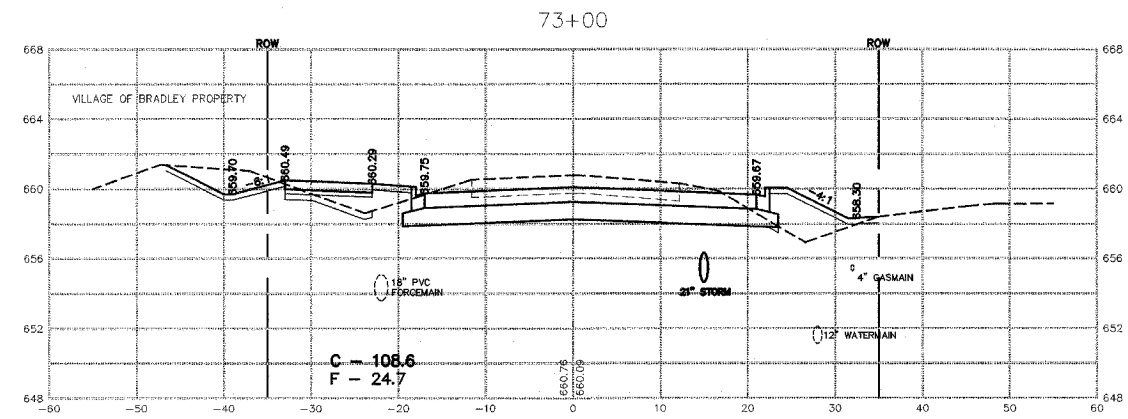
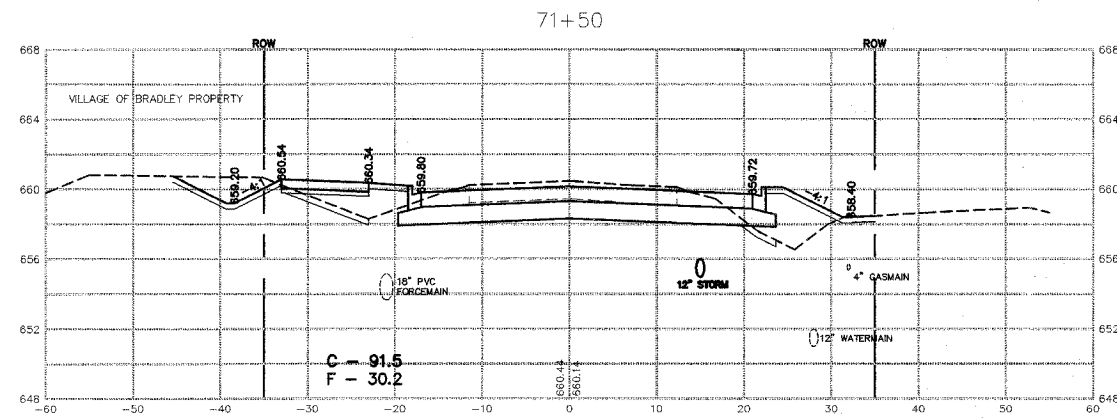
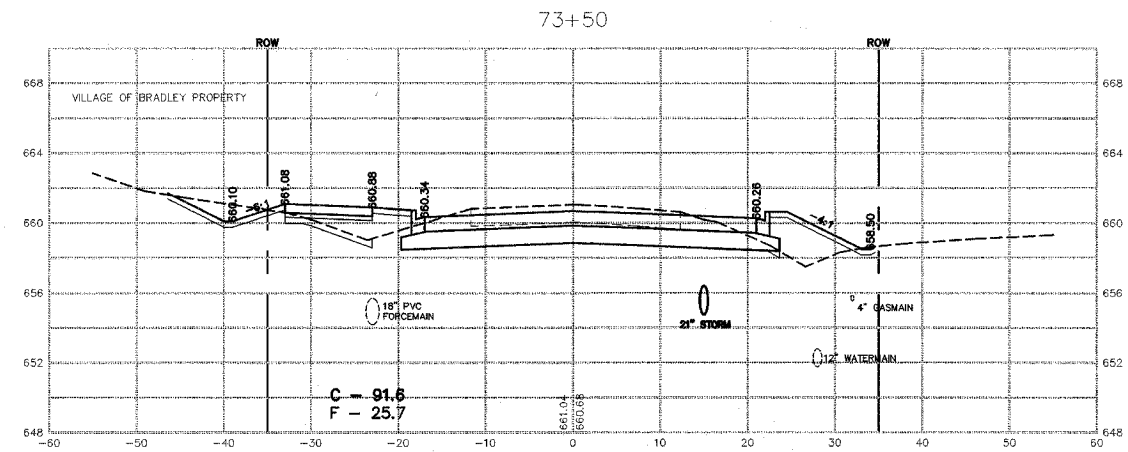
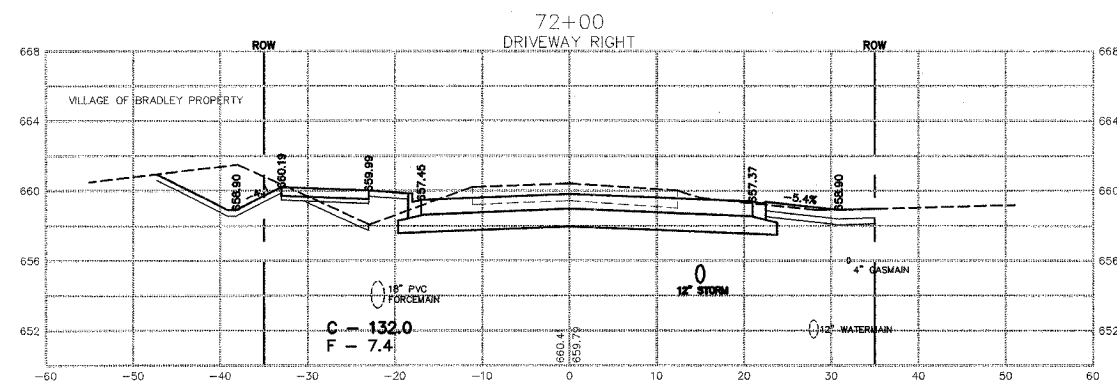
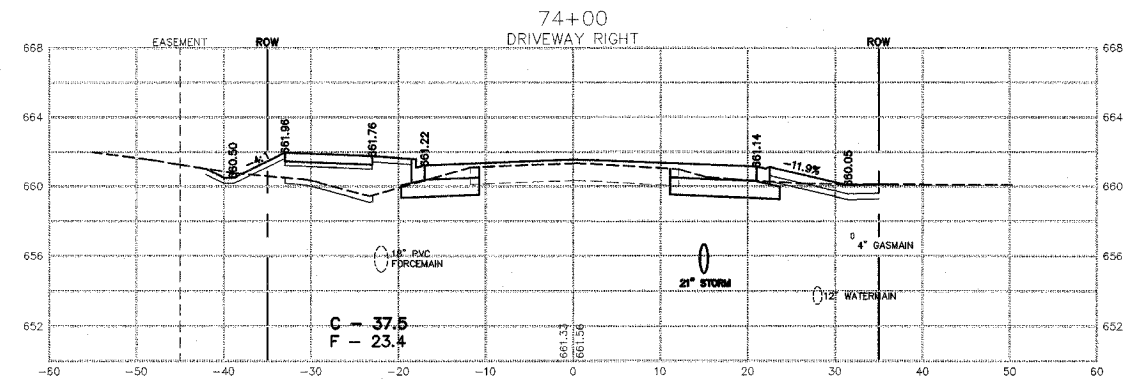
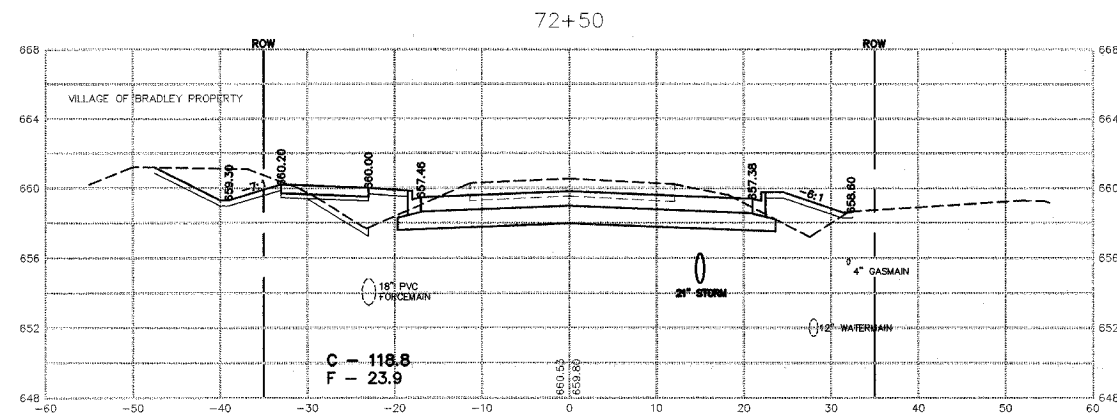
SCALE: \_\_\_\_\_ DRAWN BY: MJO/AJC  
DATE: 1/4/08 CHECKED BY: JWP



REVISIONS		
DATE	BY	DESCRIPTION
2/11/08	AJC/JWP	PER IDOT REVIEW
3/27/08	JWP	PER IDOT REVIEW

ILLINOIS DEPARTMENT OF TRANSPORTATION  
CROSS SECTIONS SHEET  
CARDINAL DRIVE  
STA. 68+50 TO STA. 71+00

SCALE: DRAWN BY: MJO/AJC  
DATE: 1/4/08 CHECKED BY: JWP

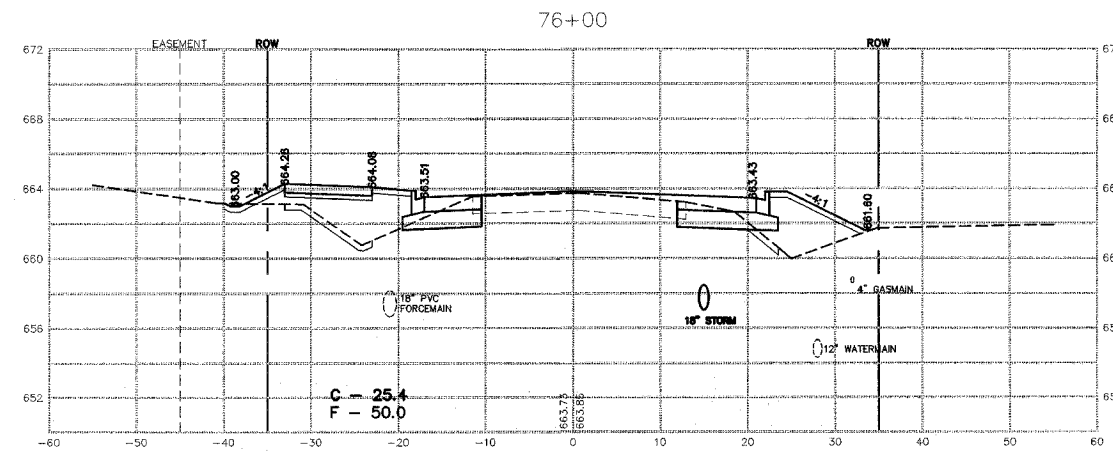
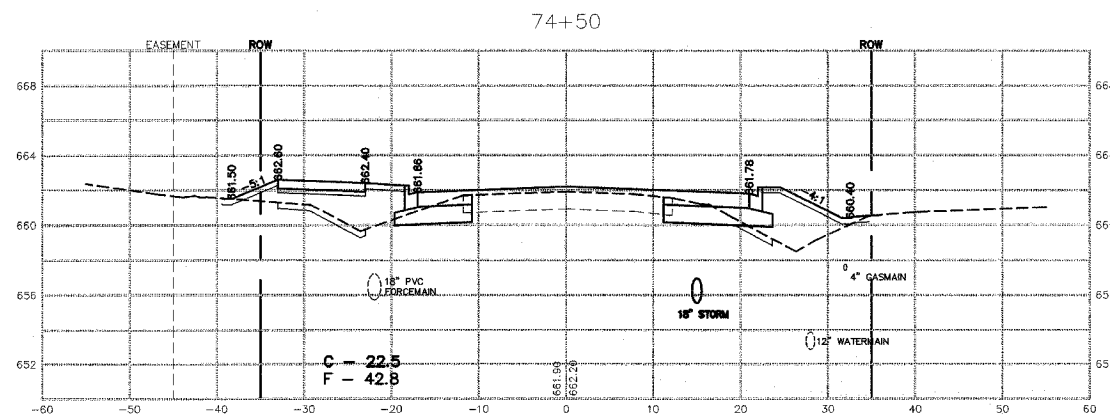
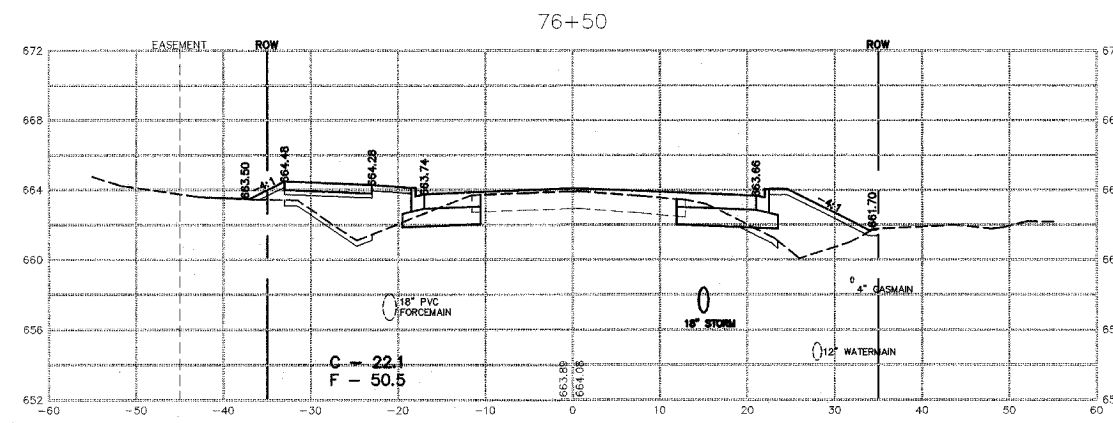
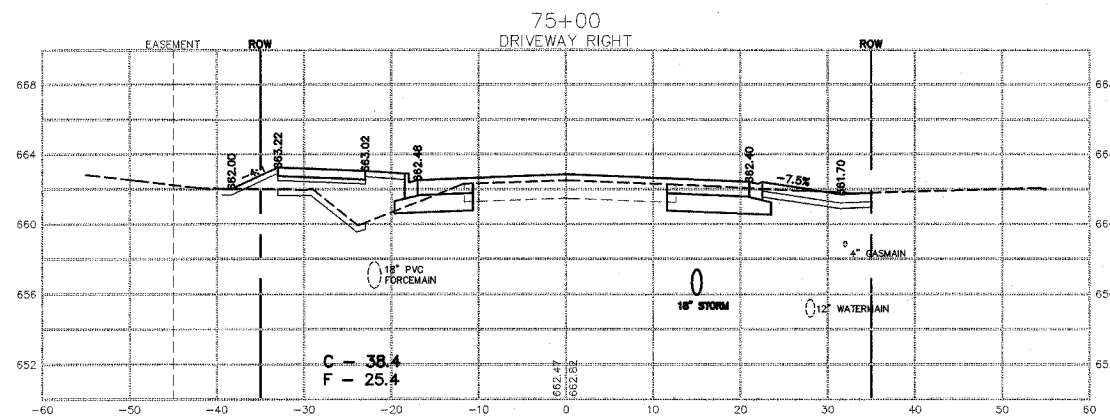
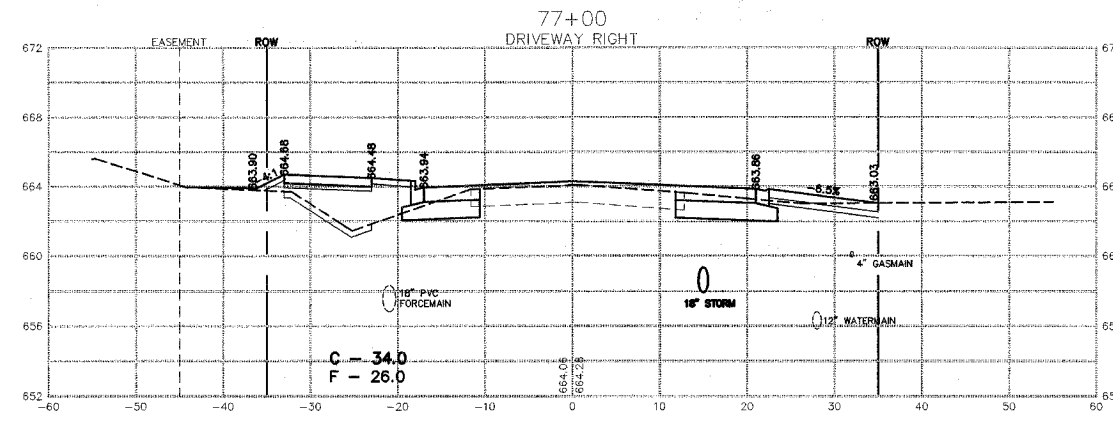
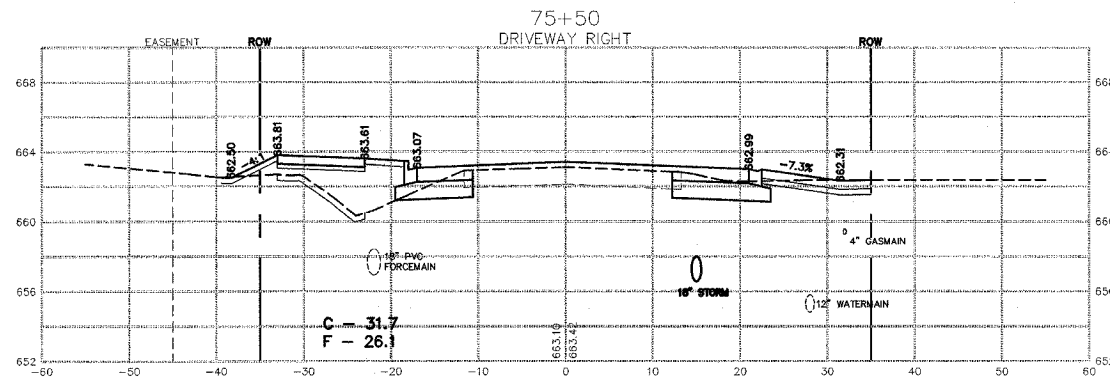


REVISIONS		
DATE	BY	DESCRIPTION
2/11/08	AJC/JWP	PER IDOT REVIEW
3/27/08	JWP	PER IDOT REVIEW

ILLINOIS DEPARTMENT OF TRANSPORTATION  
CROSS SECTIONS SHEET  
CARDINAL DRIVE  
STA. 71+50 TO STA. 74+00

SCALE: \_\_\_\_\_ DRAWN BY: MJO/AJC  
DATE: 1/4/08 CHECKED BY: JWP



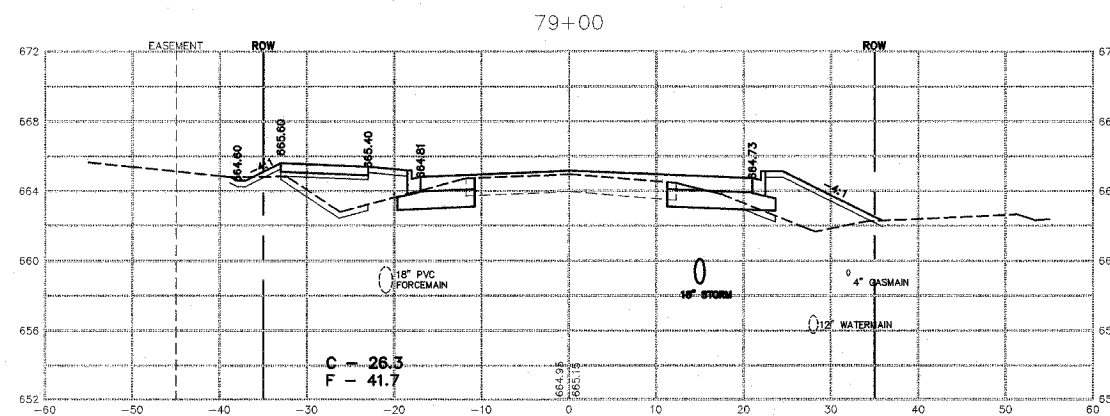
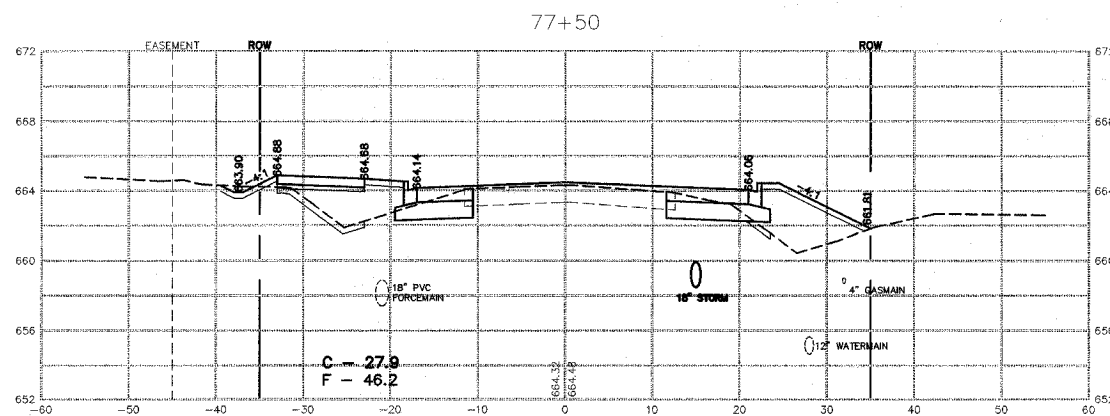
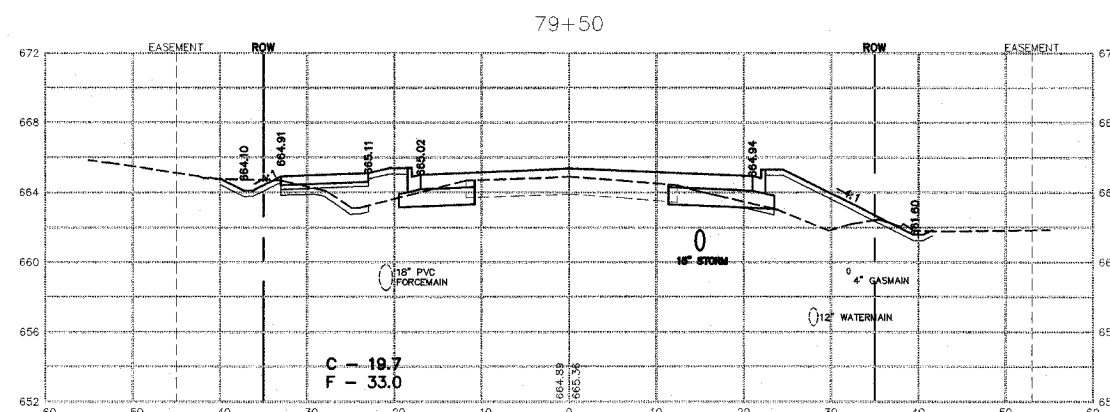
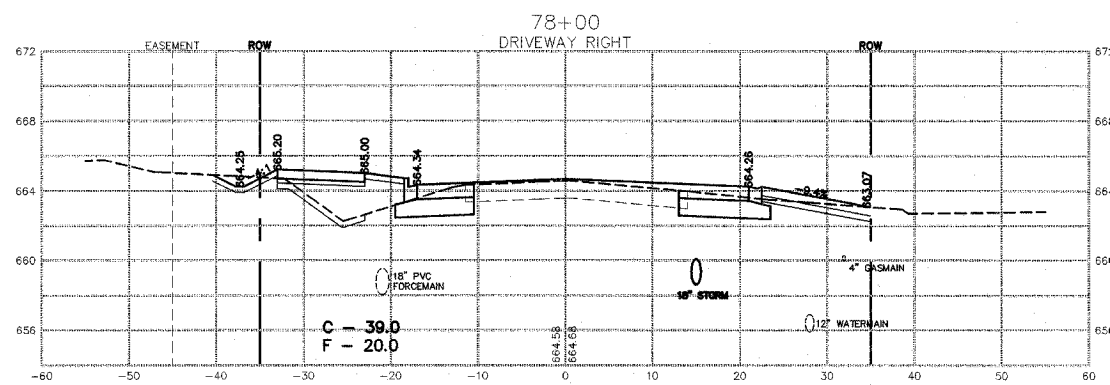
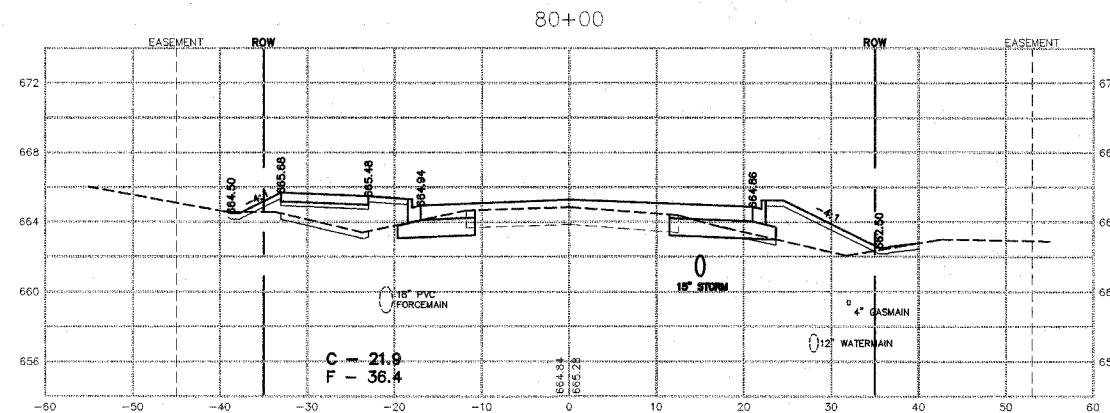
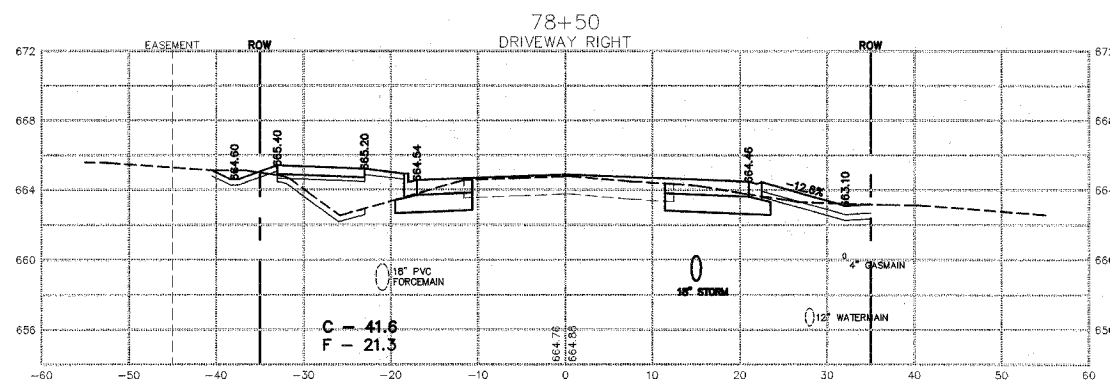


REVISIONS		
DATE	BY	DESCRIPTION
2/11/08	AJC/JWP	PER IDOT REVIEW
3/27/08	JWP	PER IDOT REVIEW

ILLINOIS DEPARTMENT OF TRANSPORTATION  
CROSS SECTIONS SHEET  
CARDINAL DRIVE  
STA. 74+50 TO STA. 77+00

SCALE: VERTICAL 1" = 5'  
HORIZONTAL 1" = 10'

DATE: 1/4/08  
DRAWN BY: MJO/AJC  
CHECKED BY: JWP

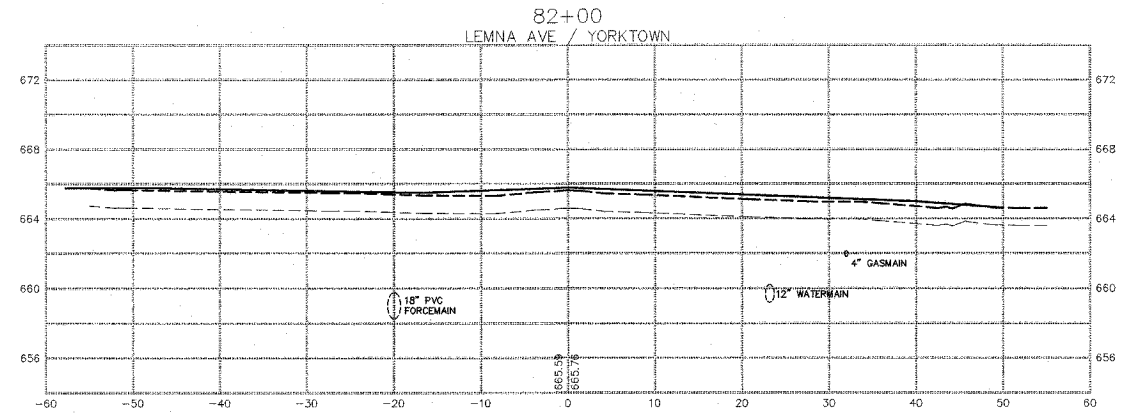
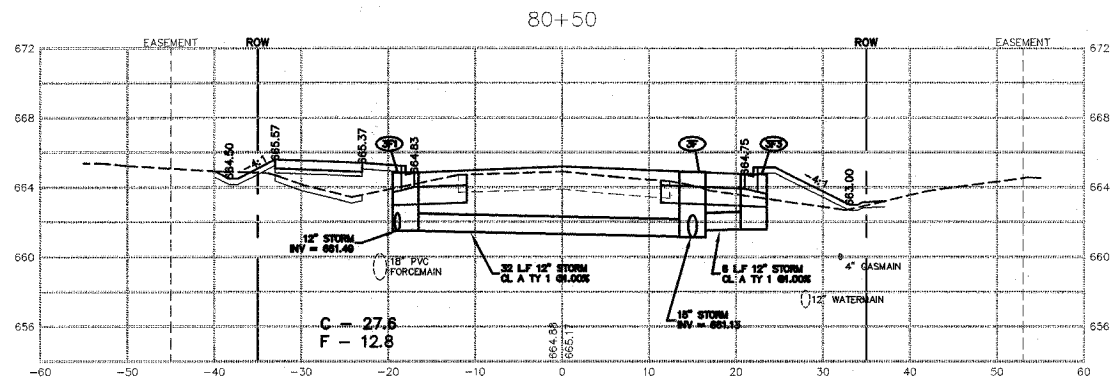
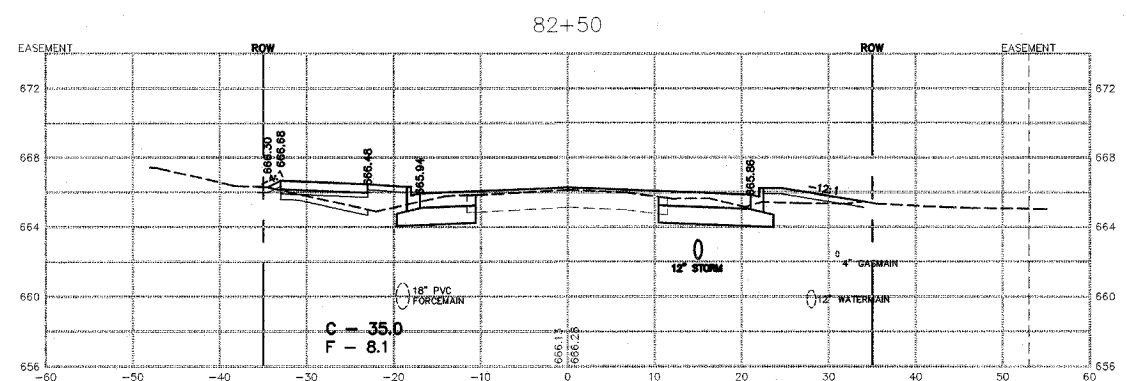
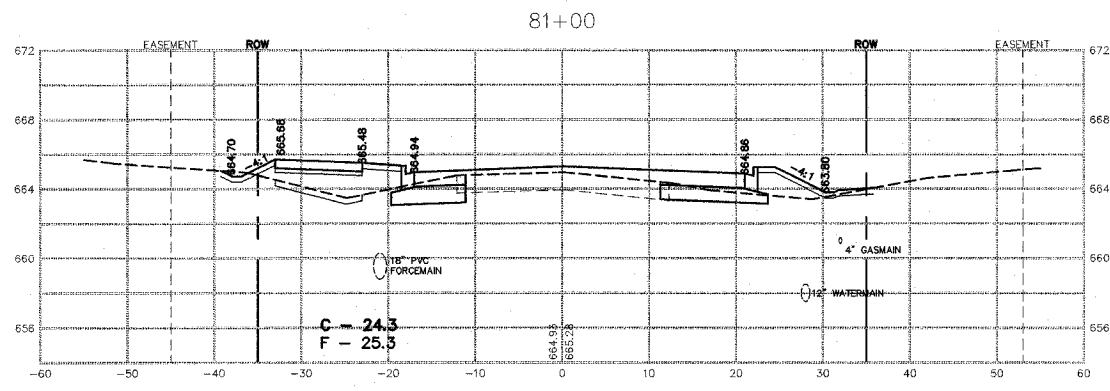
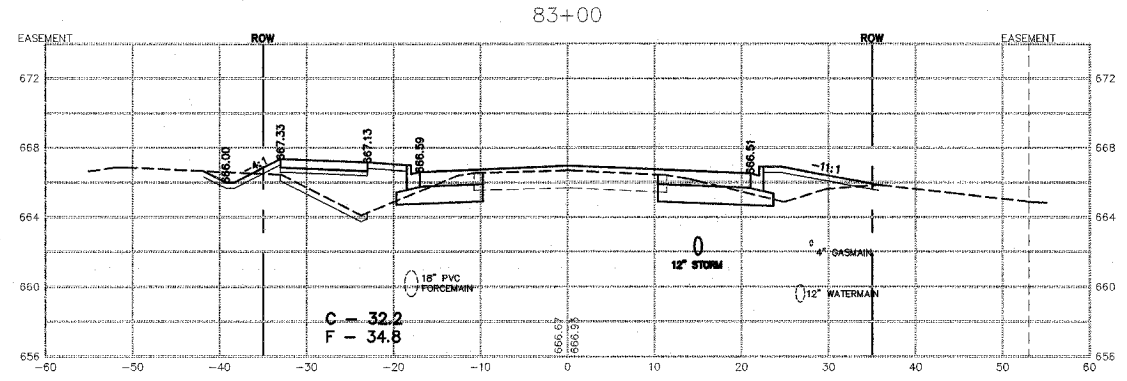
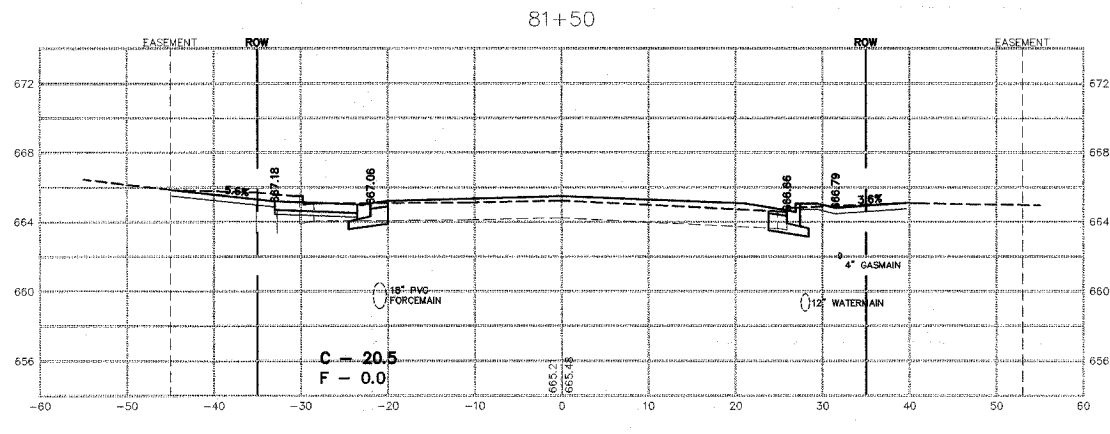


REVISIONS		
DATE	BY	DESCRIPTION
2/11/08	AJC/JWP	PER IDOT REVIEW
3/27/08	JWP	PER IDOT REVIEW

ILLINOIS DEPARTMENT OF TRANSPORTATION  
CROSS SECTIONS SHEET  
CARDINAL DRIVE  
STA. 77+50 TO STA. 80+00

SCALE: VERTICAL 1" = 5'  
HORIZONTAL 1" = 10'

DATE: 1/4/08  
DRAWN BY: MJO/AJC  
CHECKED BY: JWP

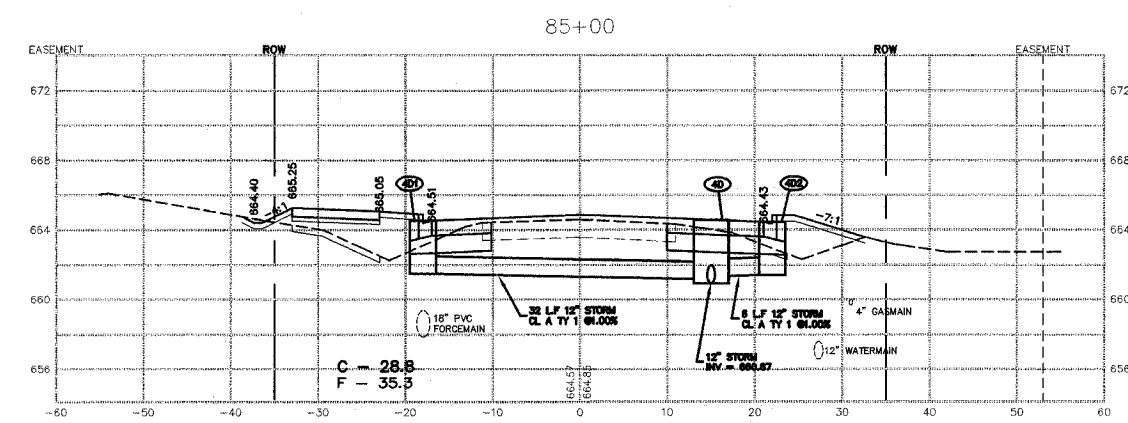
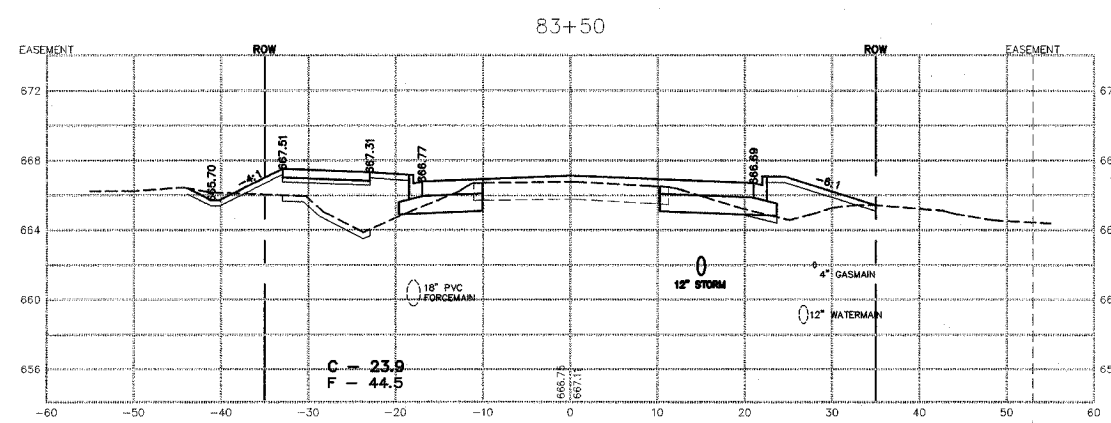
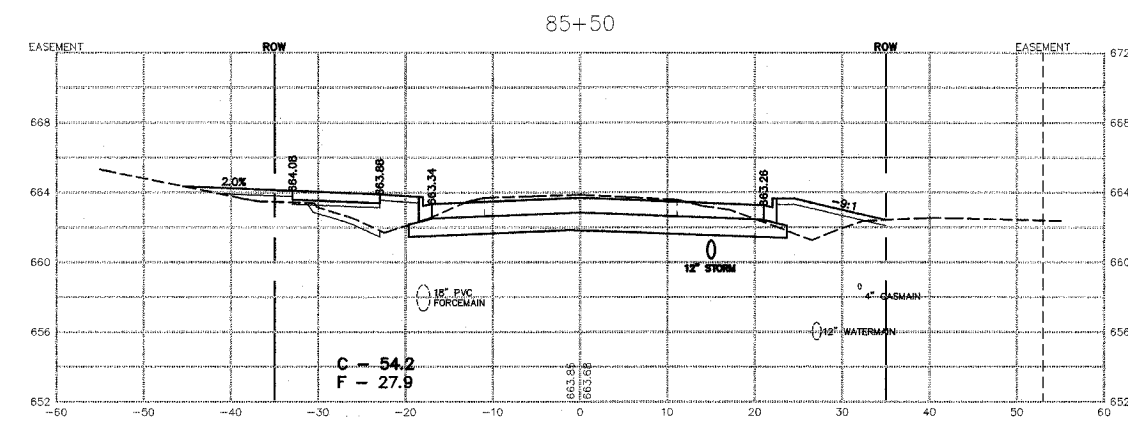
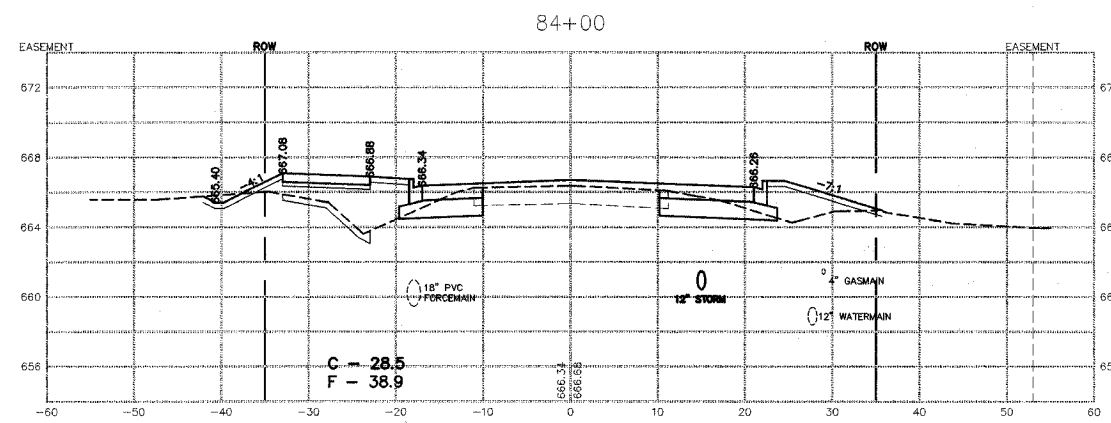
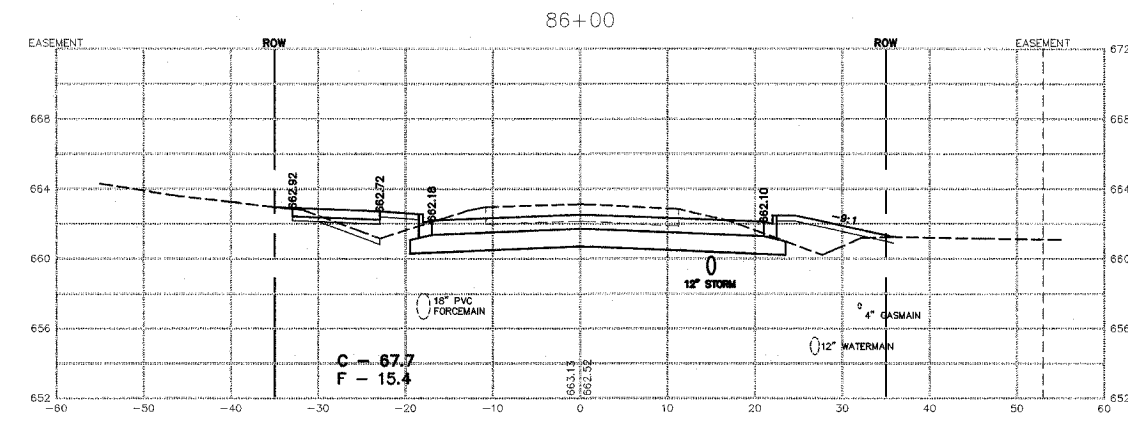
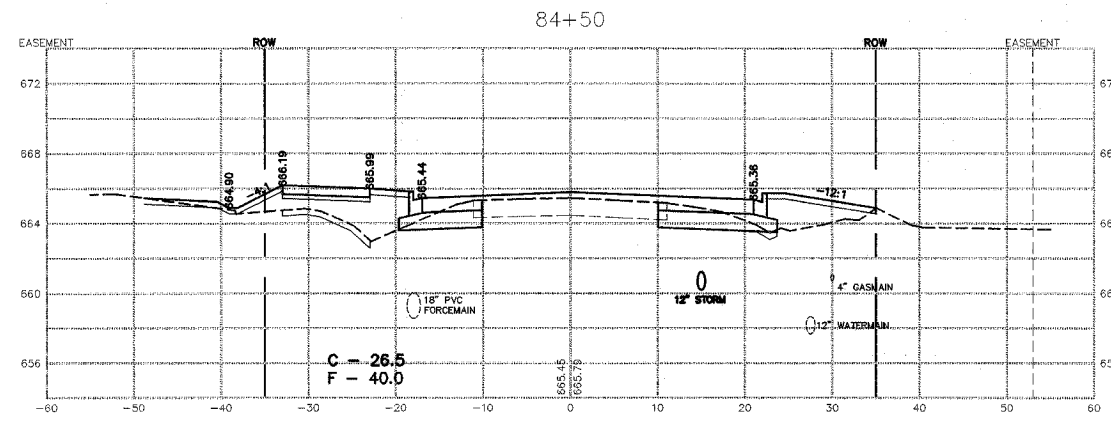


REVISIONS		
DATE	BY	DESCRIPTION
2/11/08	AJC/JWP	PER IDOT REVIEW
3/27/08	JWP	PER IDOT REVIEW

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 CROSS SECTION SHEET  
 CARDINAL DRIVE  
 STA. 80+50 TO STA. 83+00

SCALE: VERTICAL 1" = 5'  
 HORIZONTAL 1" = 10'

DATE: 1/4/08  
 DRAWN BY: MJO/AJC  
 CHECKED BY: JWP



**M. GINGERICH, GERAUX & ASSOCIATES**

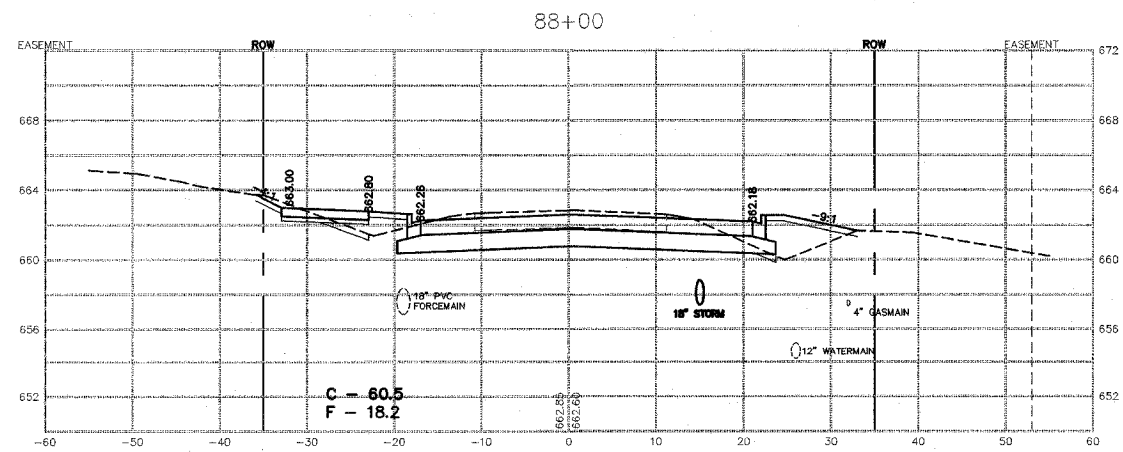
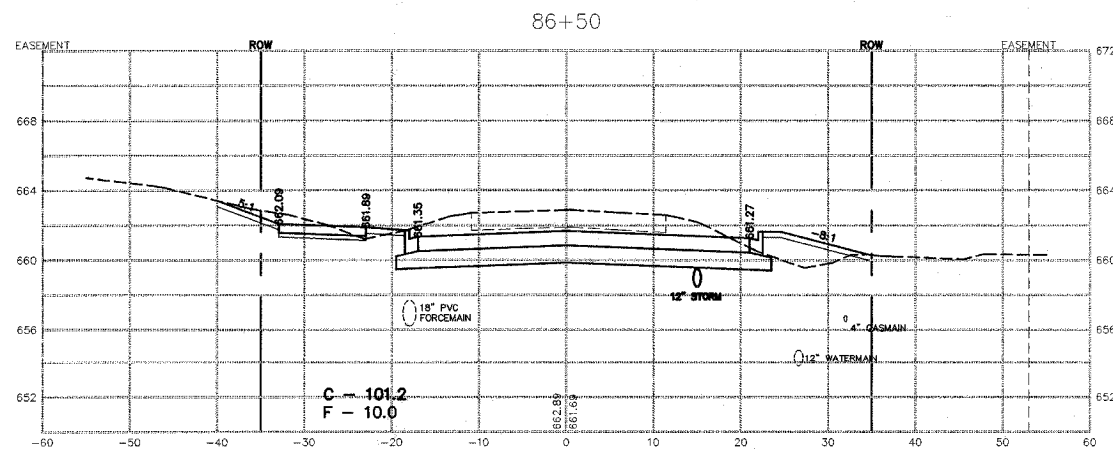
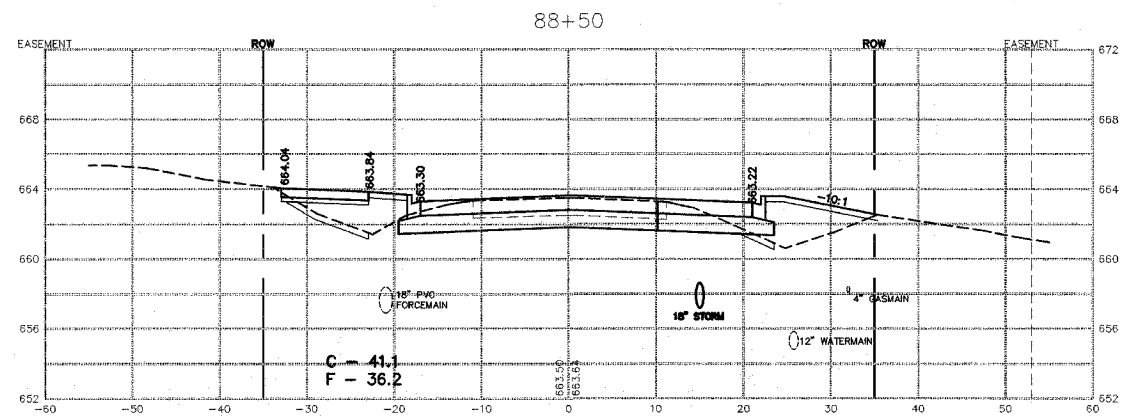
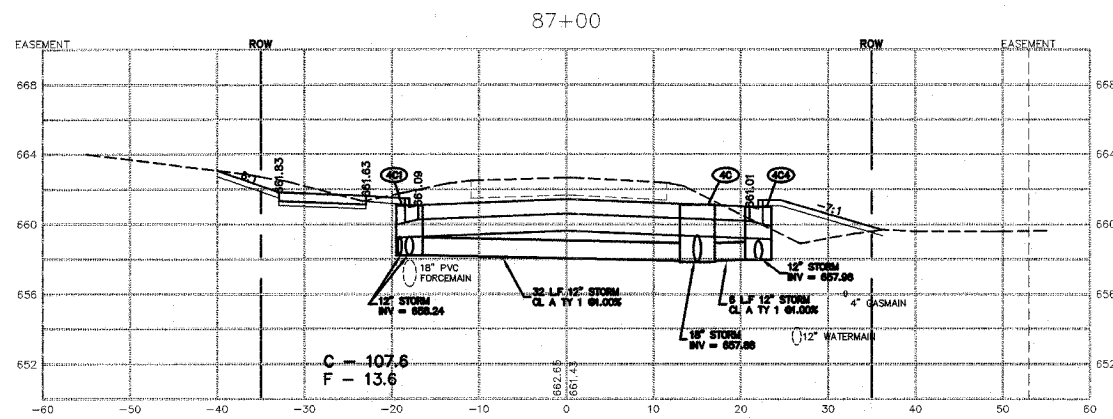
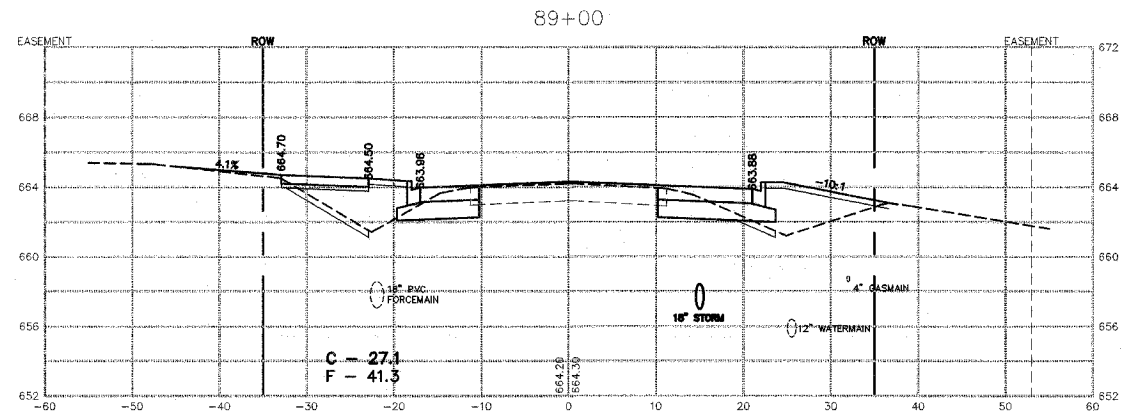
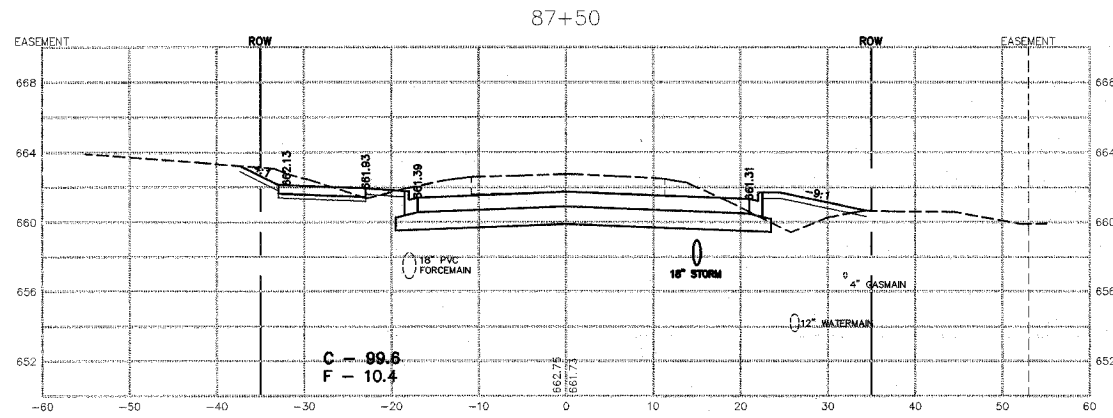
240 N. Industrial Drive  
Bradley, Illinois 60915  
815-939-4921  
FAX: 815-939-9810

REVISIONS		
DATE	BY	DESCRIPTION
2/11/08	AJC/JWP	PER IDOT REVIEW
3/27/08	JWP	PER IDOT REVIEW

ILLINOIS DEPARTMENT OF TRANSPORTATION  
CROSS SECTIONS SHEET  
CARDINAL DRIVE  
STA. 83+50 TO STA. 86+00

SCALE: VERTICAL 1" = 5'  
HORIZONTAL 1" = 10'

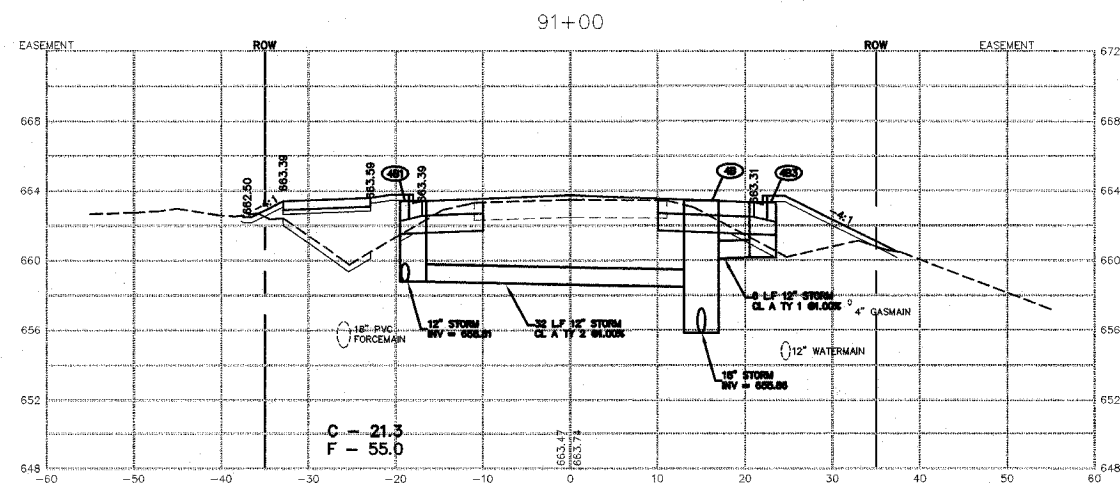
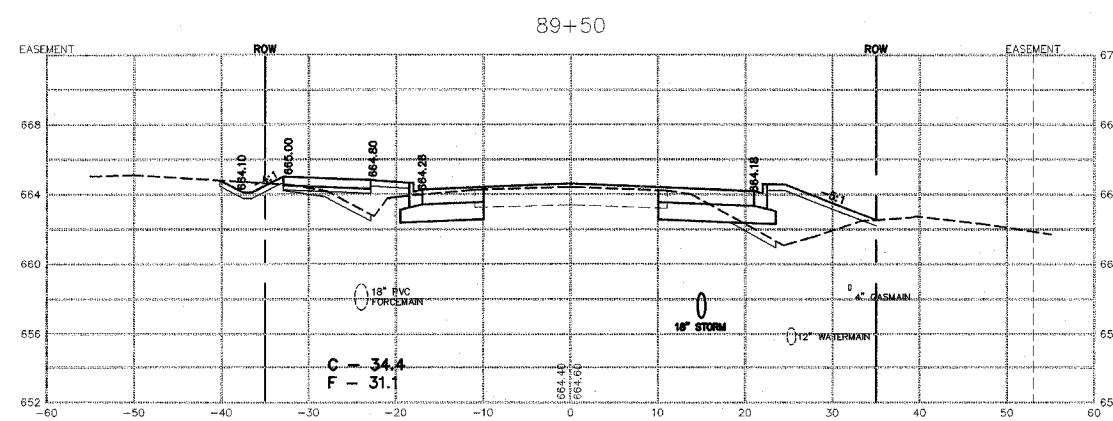
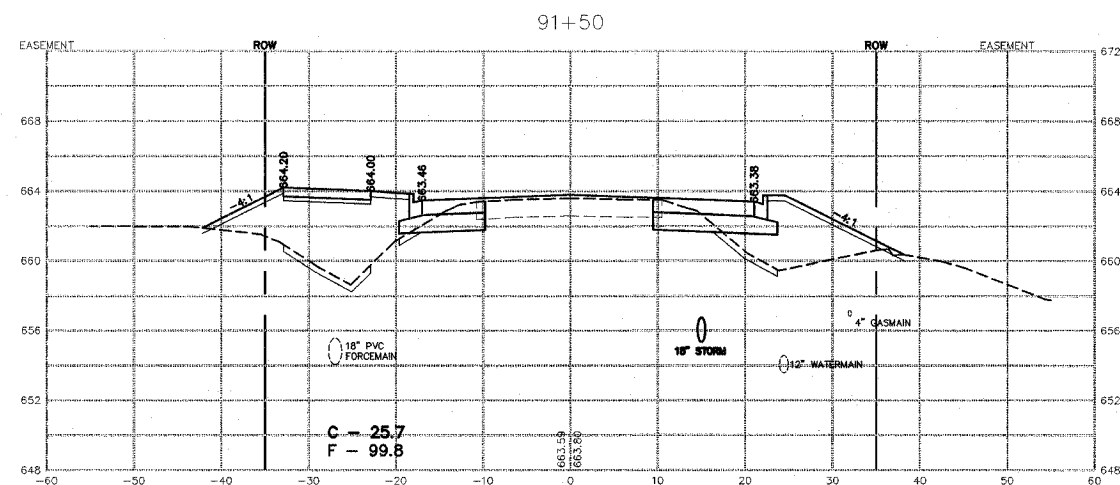
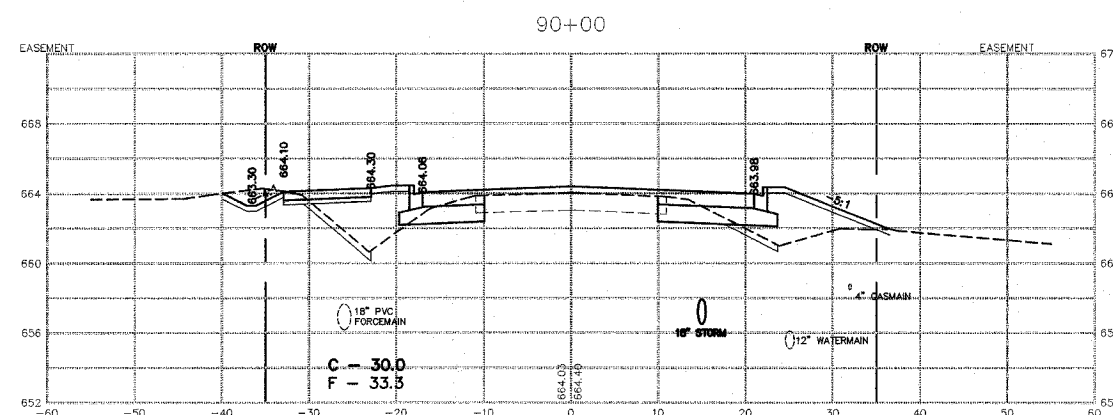
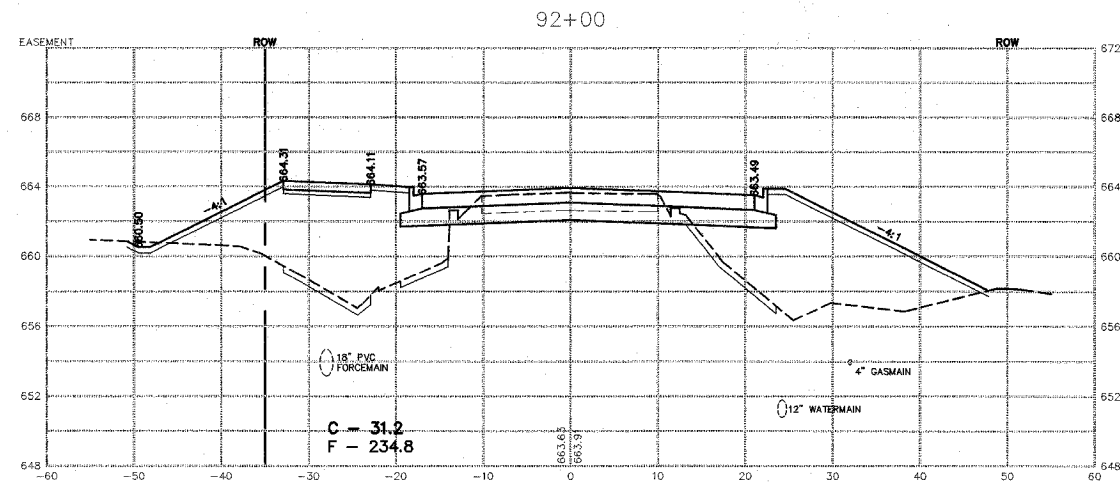
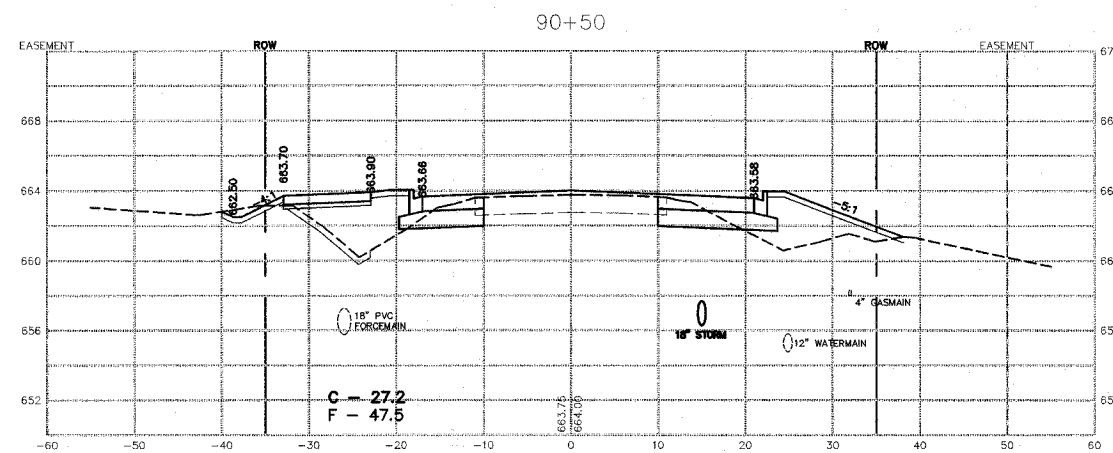
DATE: 1/4/08  
DRAWN BY: MJO/AJC  
CHECKED BY: JWP



REVISIONS		
DATE	BY	DESCRIPTION
2/11/08	AJC/JWP	PER IDOT REVIEW
3/27/08	JWP	PER IDOT REVIEW

ILLINOIS DEPARTMENT OF TRANSPORTATION  
CROSS SECTIONS SHEET  
CARDINAL DRIVE  
STA. 86+50 TO 89+00

SCALE: \_\_\_\_\_ DRAWN BY: MJO/AJC  
DATE: 1/4/08 CHECKED BY: JWP



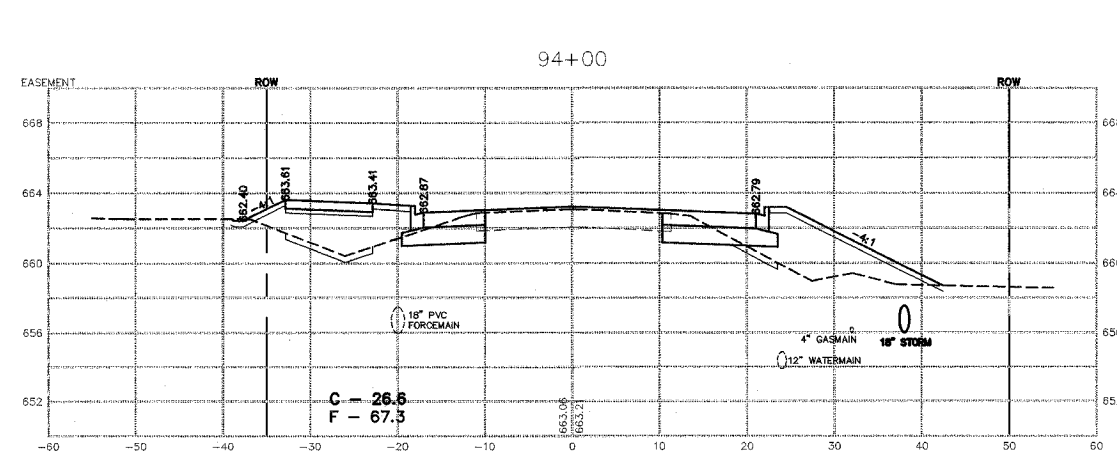
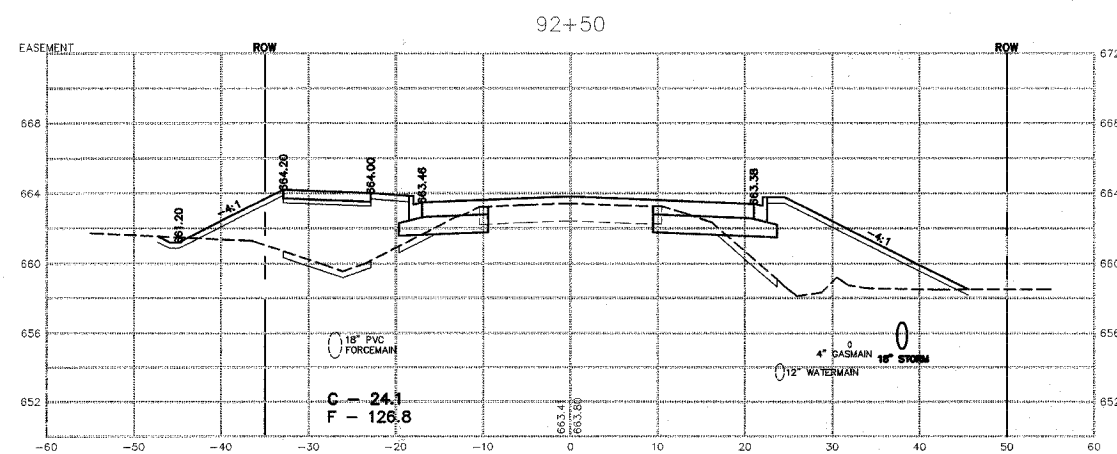
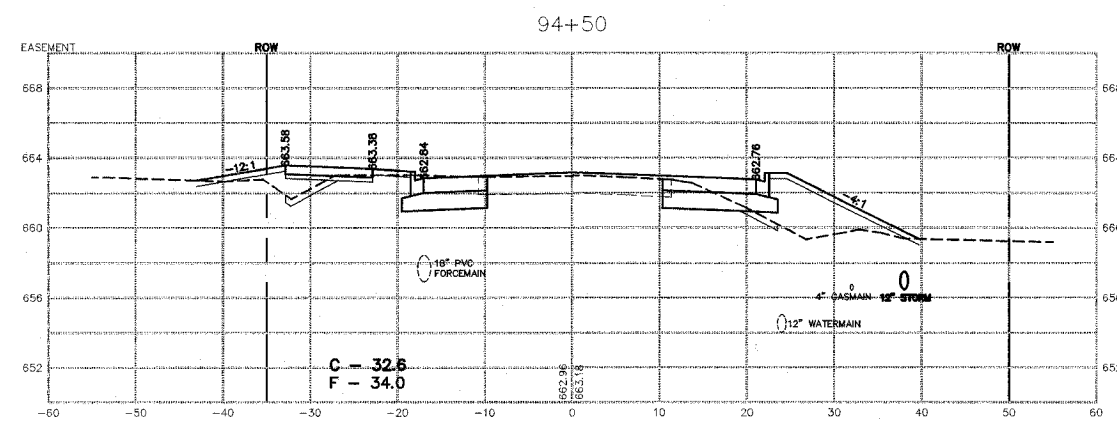
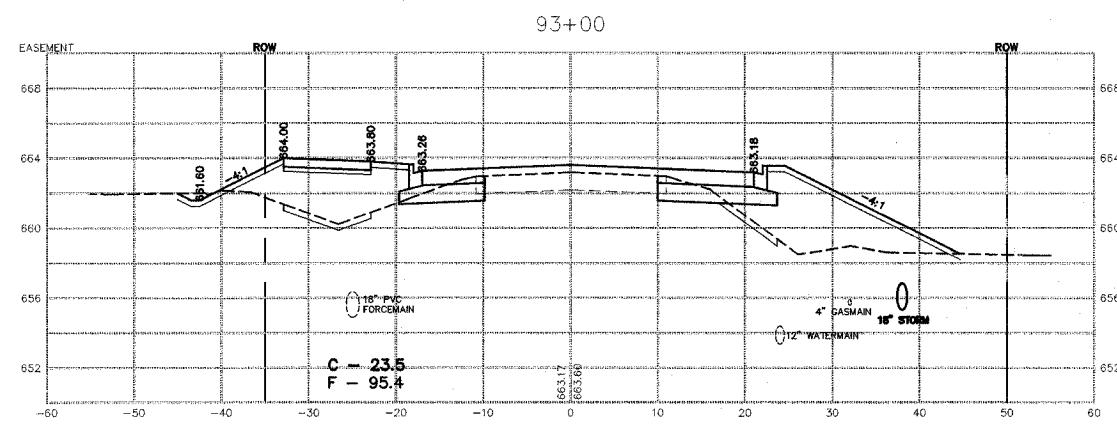
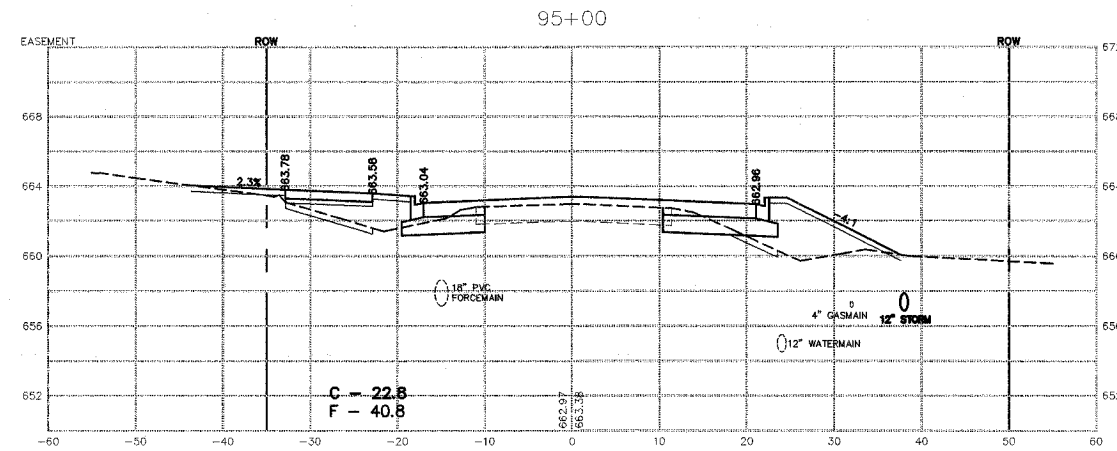
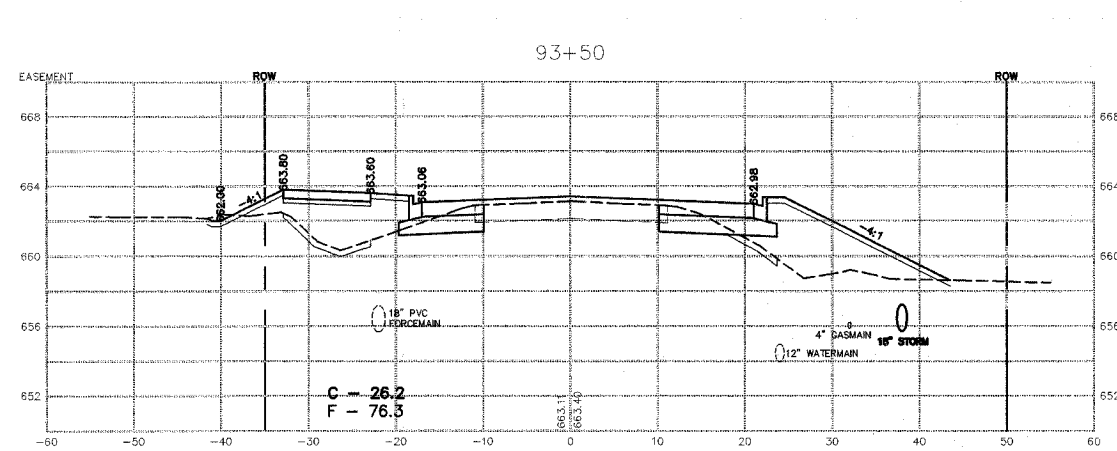
REVISIONS		
DATE	BY	DESCRIPTION
2/11/08	AJC/JWP	PER IDOT REVIEW
3/27/08	JWP	PER IDOT REVIEW

ILLINOIS DEPARTMENT OF TRANSPORTATION  
CROSS SECTIONS SHEET  
CARDINAL DRIVE

STA. 89+50 TO STA. 92+00

SCALE: VERTICAL 1" = 5'  
HORIZONTAL 1" = 10'

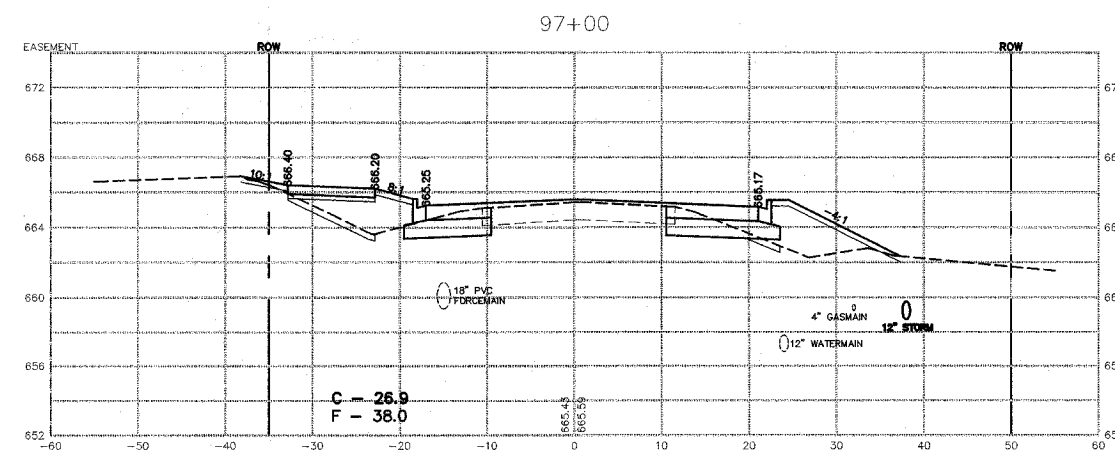
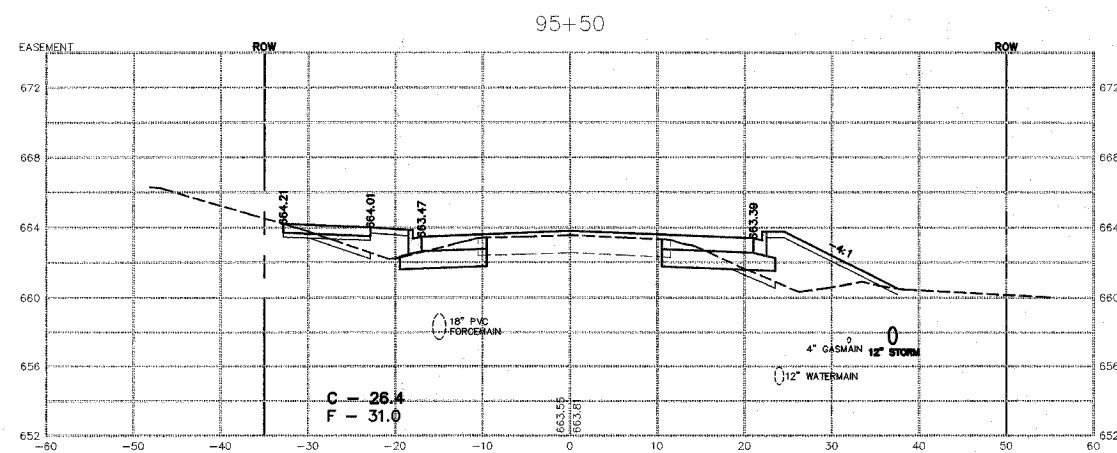
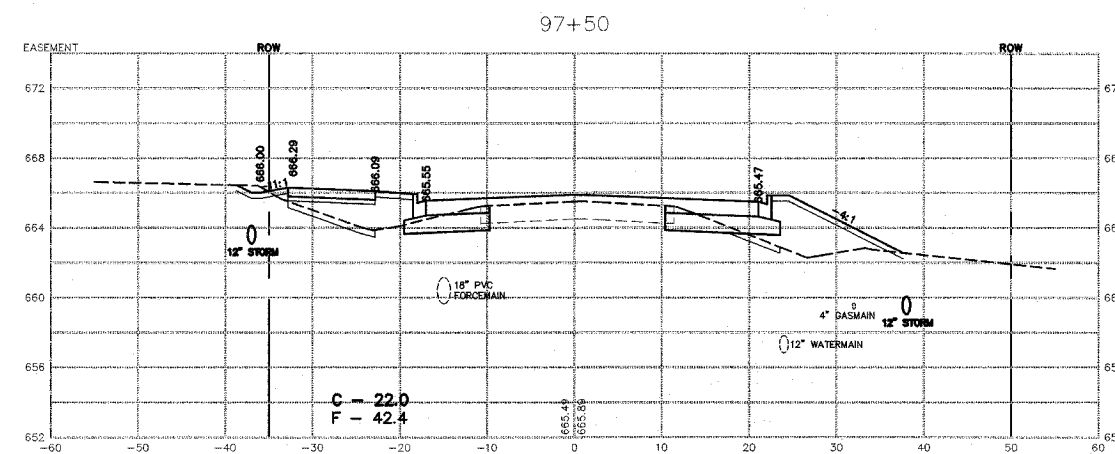
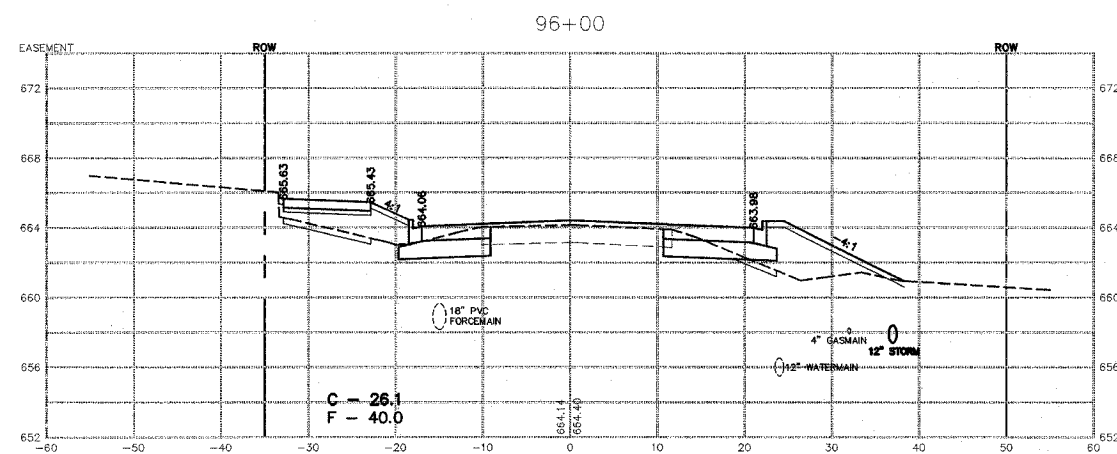
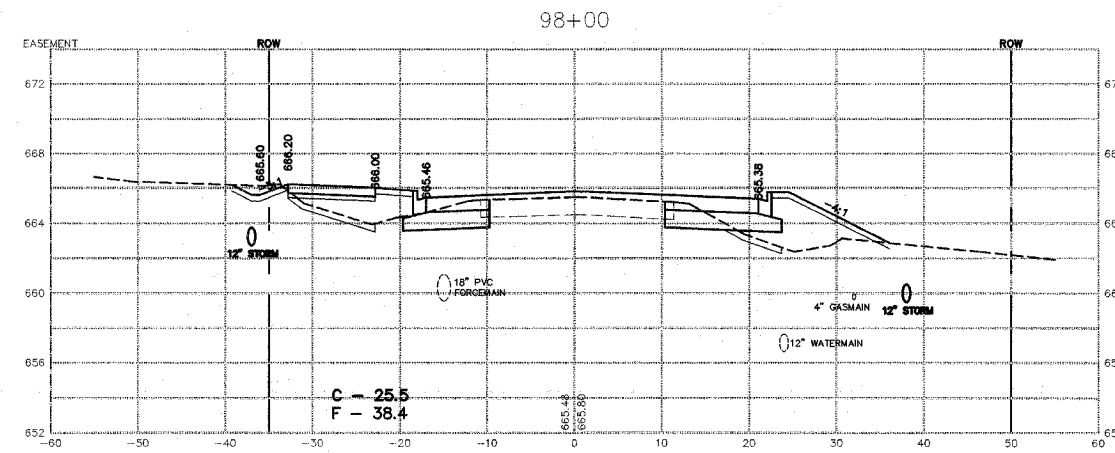
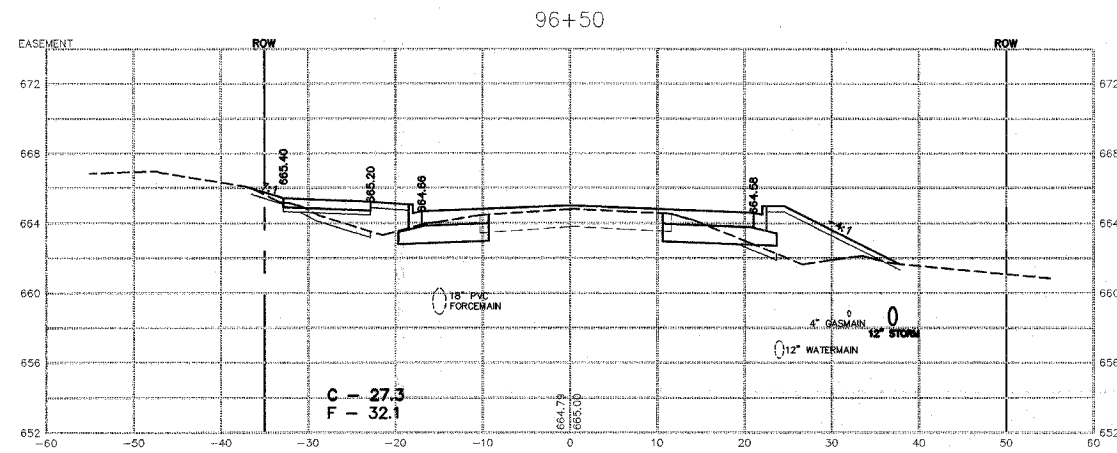
DATE: 1/4/08 DRAWN BY: MJO/AJC  
CHECKED BY: JWP



REVISIONS		
DATE	BY	DESCRIPTION
2/11/08	AJC/WJP	PER IDOT REVIEW
3/27/08	JWP	PER IDOT REVIEW

ILLINOIS DEPARTMENT OF TRANSPORTATION  
CROSS SECTIONS SHEET  
CARDINAL DRIVE  
STA. 92+50 TO STA. 95+00

SCALE: \_\_\_\_\_ DRAWN BY: MJO/AJC  
DATE: 1/4/08 CHECKED BY: JWP



REVISIONS		
DATE	BY	DESCRIPTION
2/11/08	AJC/JWP	PER IDOT REVIEW
3/27/08	JWP	PER IDOT REVIEW

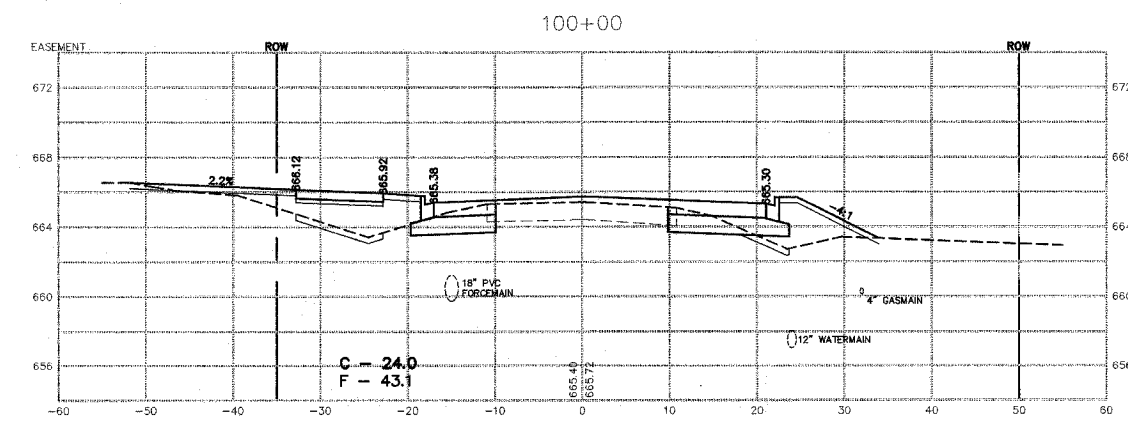
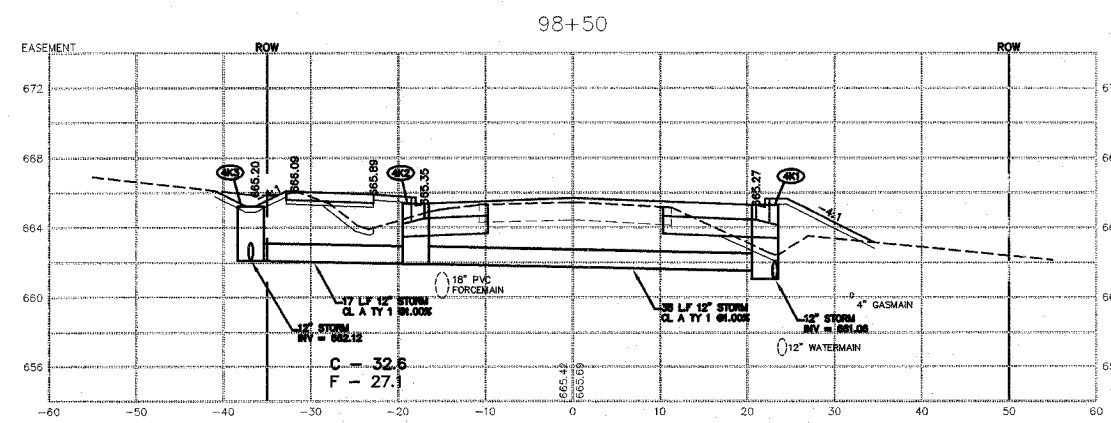
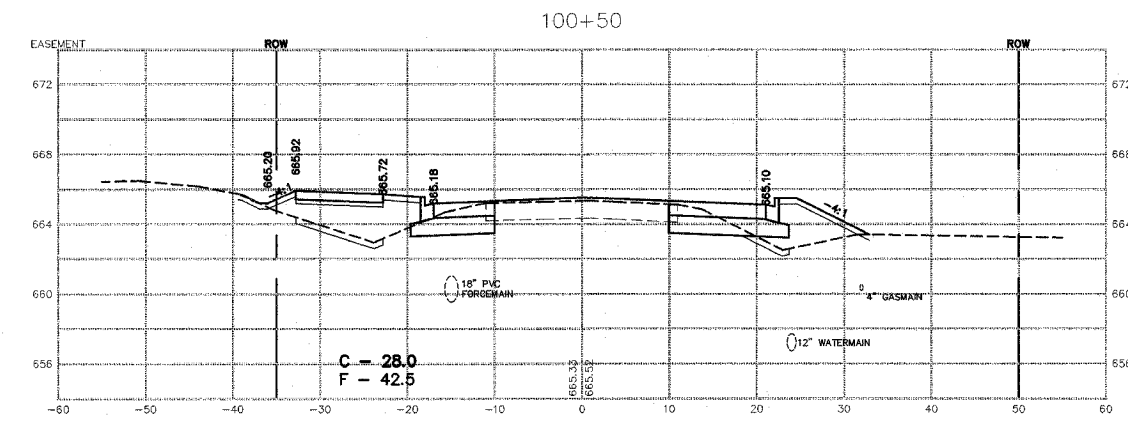
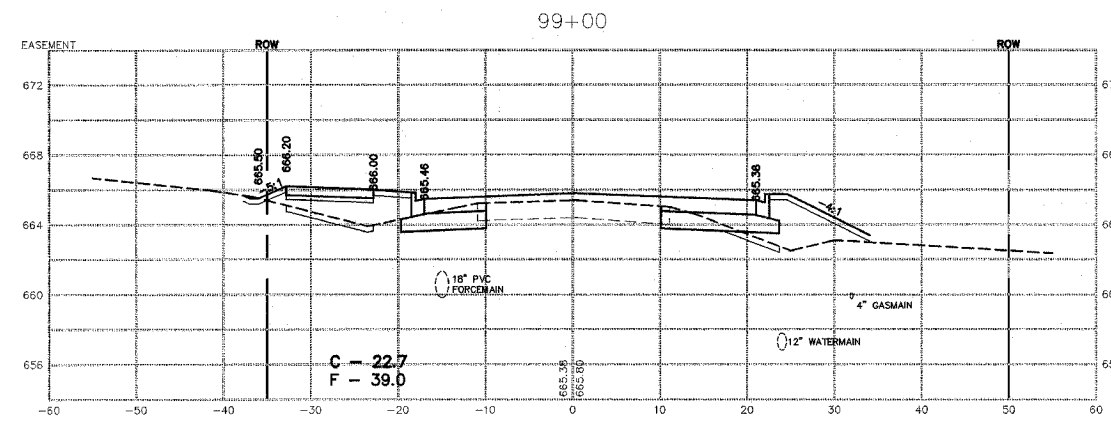
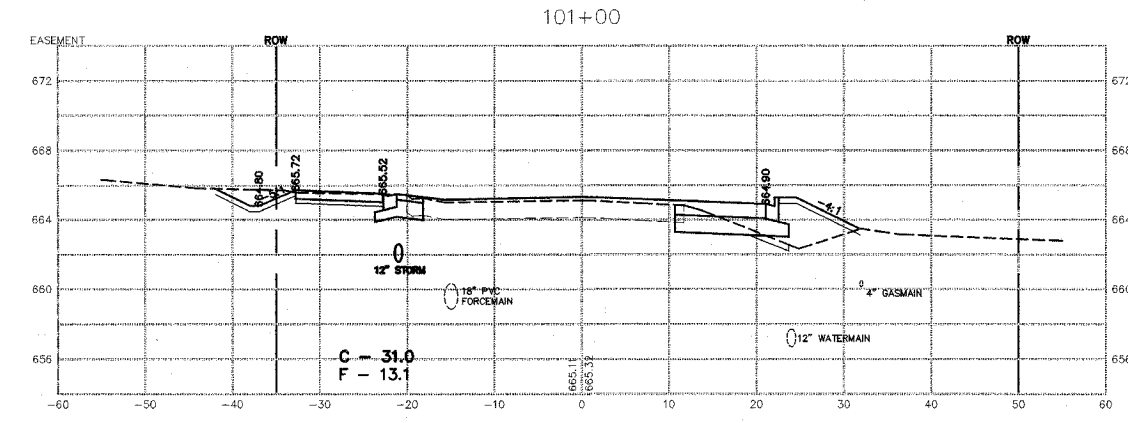
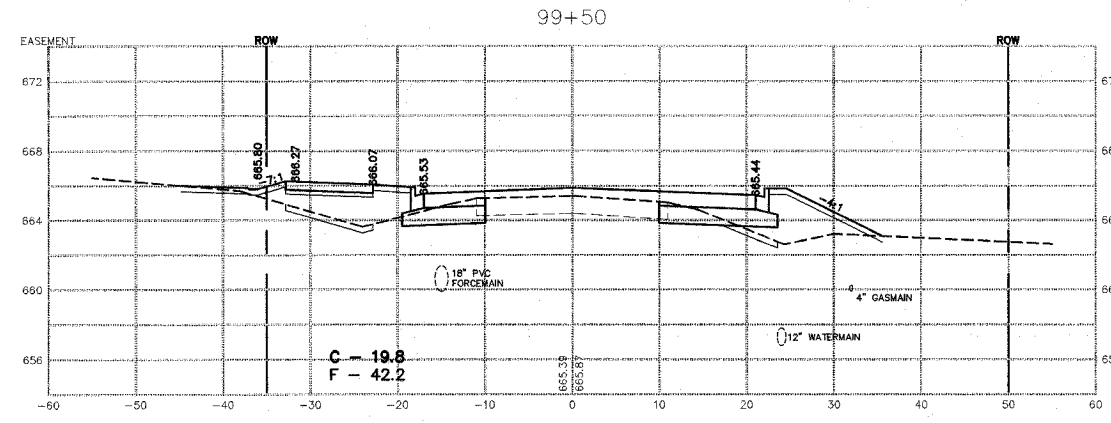
ILLINOIS DEPARTMENT OF TRANSPORTATION  
CROSS SECTIONS SHEET  
CARDINAL DRIVE

STA. 95+50 TO STA. 98+00

SCALE: VERTICAL 1" = 5'  
HORIZONTAL 1" = 10'

DATE: 1/4/08 DRAWN BY: MJO/AJC  
CHECKED BY: JWP



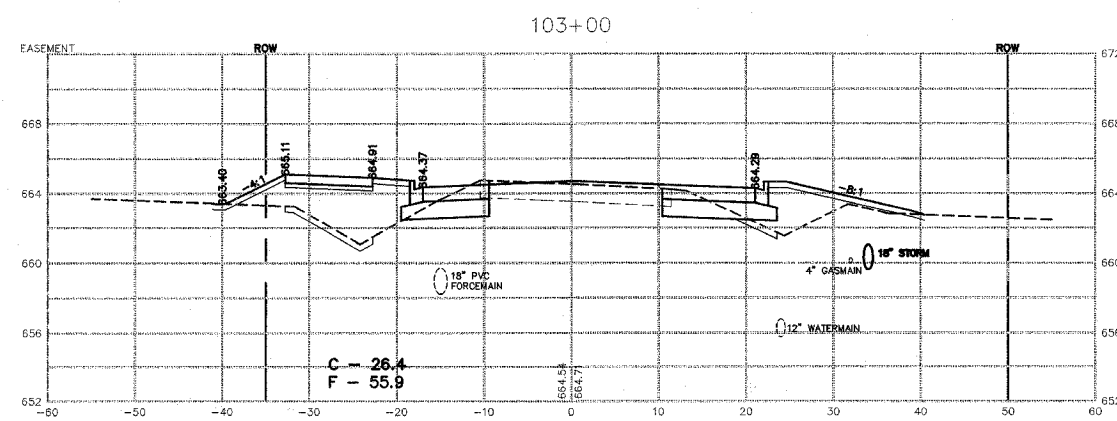
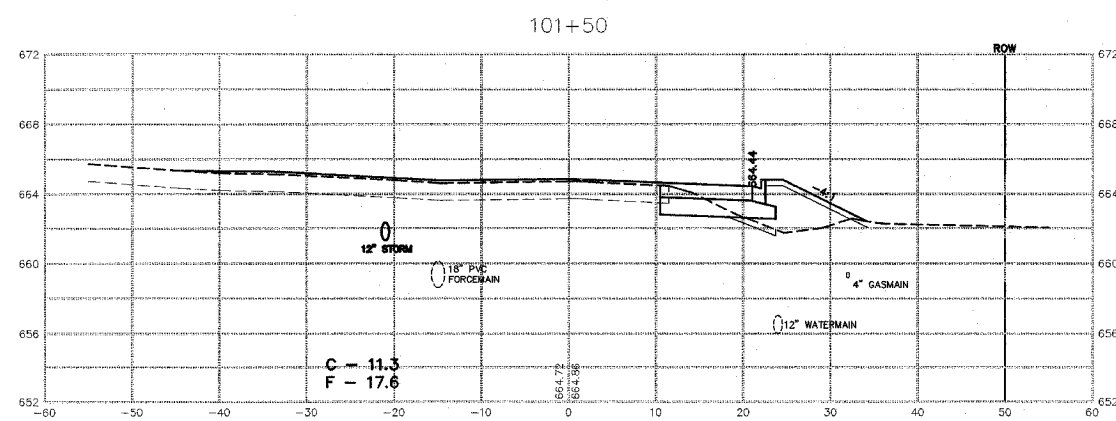
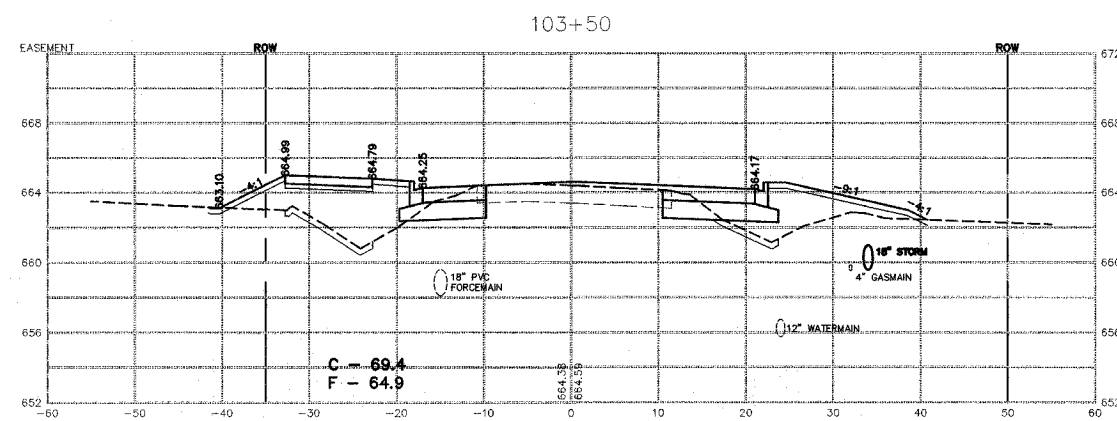
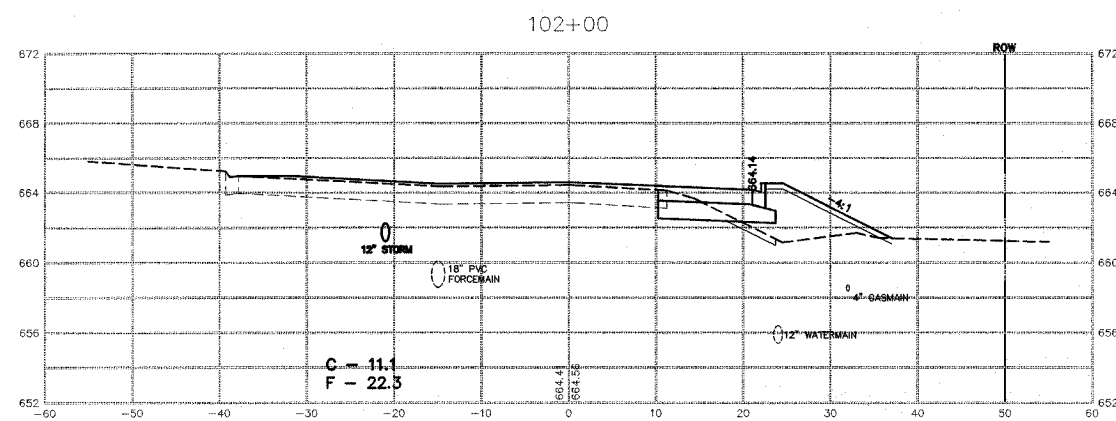
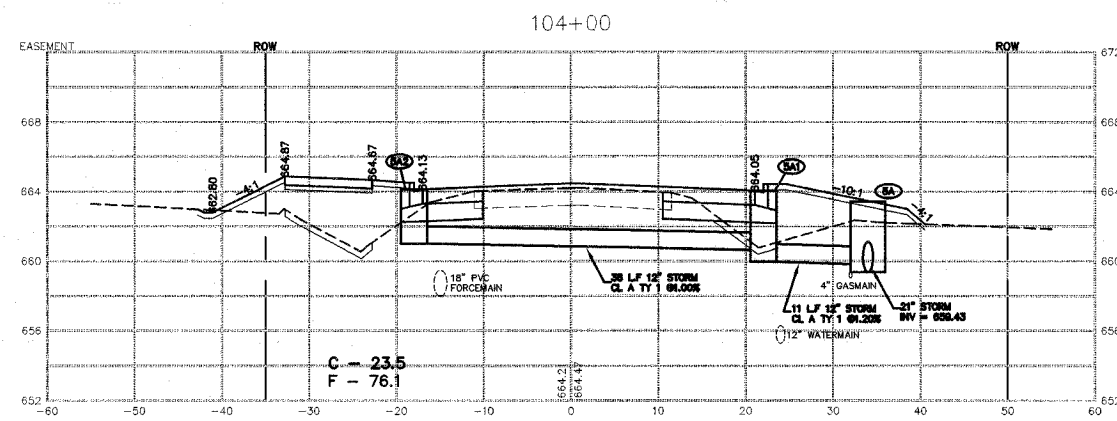
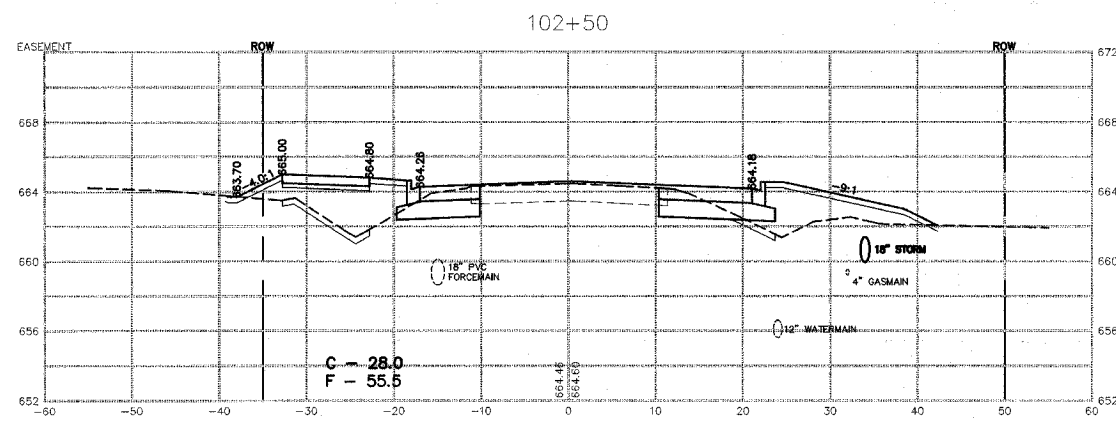


REVISIONS		
DATE	BY	DESCRIPTION
2/11/08	AJC/JWP	PER IDOT REVIEW
3/27/08	JWP	PER IDOT REVIEW

ILLINOIS DEPARTMENT OF TRANSPORTATION  
CROSS SECTIONS SHEET  
CARDINAL DRIVE  
STA. 98+50 TO STA. 101+00

SCALE: VERTICAL 1" = 5'  
HORIZONTAL 1" = 10'

DATE: 1/4/08  
DRAWN BY: MJG/AJC  
CHECKED BY: JWP

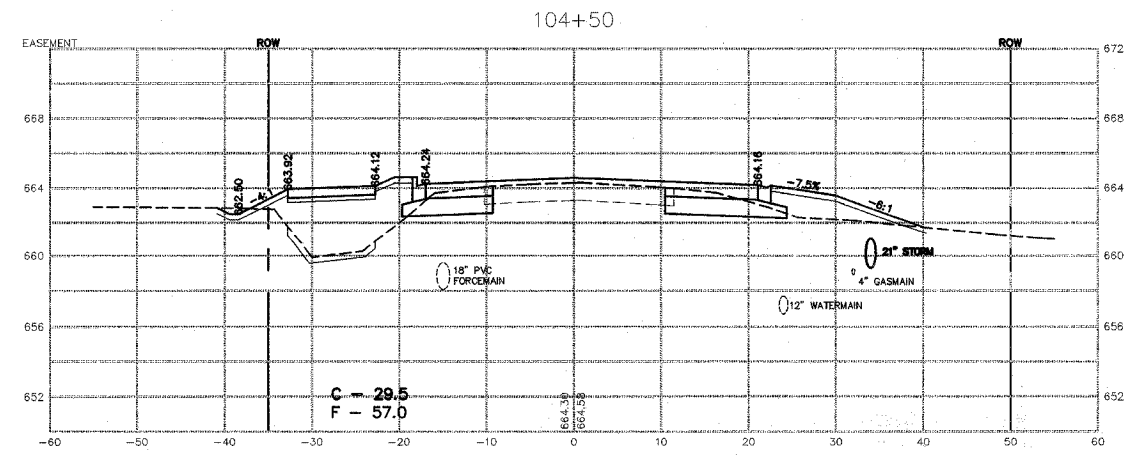


REVISIONS		
DATE	BY	DESCRIPTION
2/11/08	AJC/JWP	PER IDOT REVIEW
3/27/08	JWP	PER IDOT REVIEW

ILLINOIS DEPARTMENT OF TRANSPORTATION  
CROSS SECTIONS SHEET  
CARDINAL DRIVE  
STA. 101+50 TO STA. 104+00

SCALE: \_\_\_\_\_ DRAWN BY: MJO/AJC  
DATE: 1/4/08 CHECKED BY: JWP

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6208	07-00093-00-RP	KANKAKEE	43	43
MG2A# M2-096		CONTRACT NO.: 87342		



**M<sup>2</sup>**  
**M. GINGERICH, GERAUX**  
 ASSOCIATES

240 N. Industrial Drive  
 Bradley, Illinois 60915  
 815-939-4921  
 FAX: 815-939-9810

REVISIONS		
DATE	BY	DESCRIPTION
2/11/08	AG/JWP	PER IDOT REVIEW
3/27/08	JWP	PER IDOT REVIEW

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 CROSS SECTIONS SHEET  
 CARDINAL DRIVE  
 STA. 104+50

SCALE: \_\_\_\_\_ DRAWN BY: MUO/AJC  
 DATE: 1/4/08 CHECKED BY: JWP