

STATE OF ILLINOIS

COUNTY OF COOK

DEPARTMENT OF HIGHWAYS

# PLANS FOR PROPOSED FEDERAL AID HIGHWAY

PLAN - 1"=50'  
PROFILE HORIZ. - 1"=50'  
PROFILE VERT. - 1"=5'  
CROSS SECTIONS HORIZ. - 1"=10'  
CROSS SECTIONS VERT. - 1"=5'

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3603	03-00049-00-FP	COOK	045	001
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M8003 (559)		

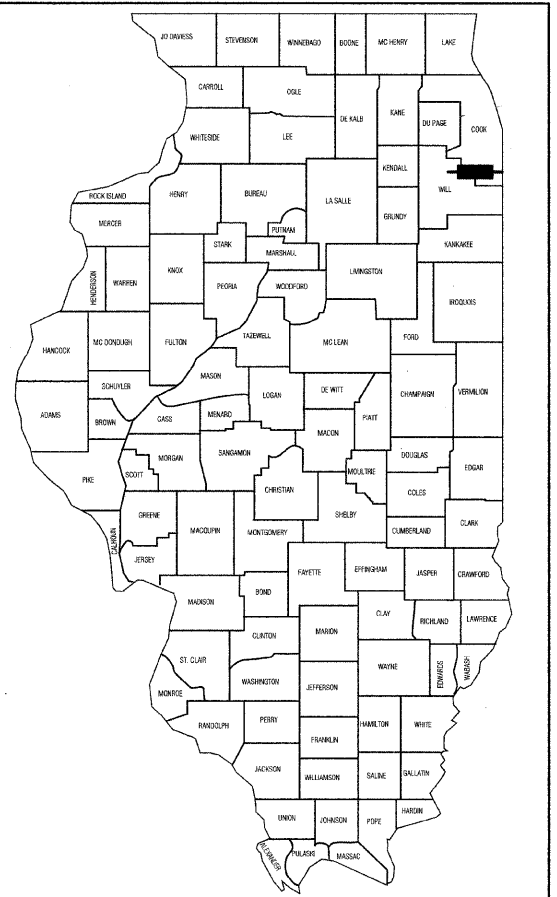
CONTRACT #63078

INDEX OF SHEETS  
SEE SHEET NO. 2

STATE STANDARDS  
SEE SHEET NO. 2

DESIGN DESIGNATION - MAIN STREET ADT 14,000 (2020) - COLLECTOR - 4.2 (BIT-20) PV=22,320 SU=960 MU=720	
	171ST STREET
2000 ADT -	14,000
2030 ADT -	14,000
POSTED SPEED LIMIT -	25 mph
DESIGN PERIOD -	20 YEARS
DESIGN SPEED LIMIT -	25 mph
STREET CLASSIFICATION -	CLASS II

F.A.U. ROUTE 3603  
 MAIN STREET IMPROVEMENTS  
 NORTH MAIN STREET (FAU 2906) TO STATE STREET (FAU 2916)  
 PROJECT NO.: M8003 (559)  
 SECTION NO.: 03-00049-00-FP  
 JOB NO.: C-91-132-06  
 VILLAGE OF GLENWOOD  
 COOK COUNTY



LOCATION OF SECTION INDICATED THIS: - [highlighted area]

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

Approved: 7/24/08

Passed: August 13, 2008  
*Christoph Holt*  
 District 1 Engineer of Local Roads & Streets

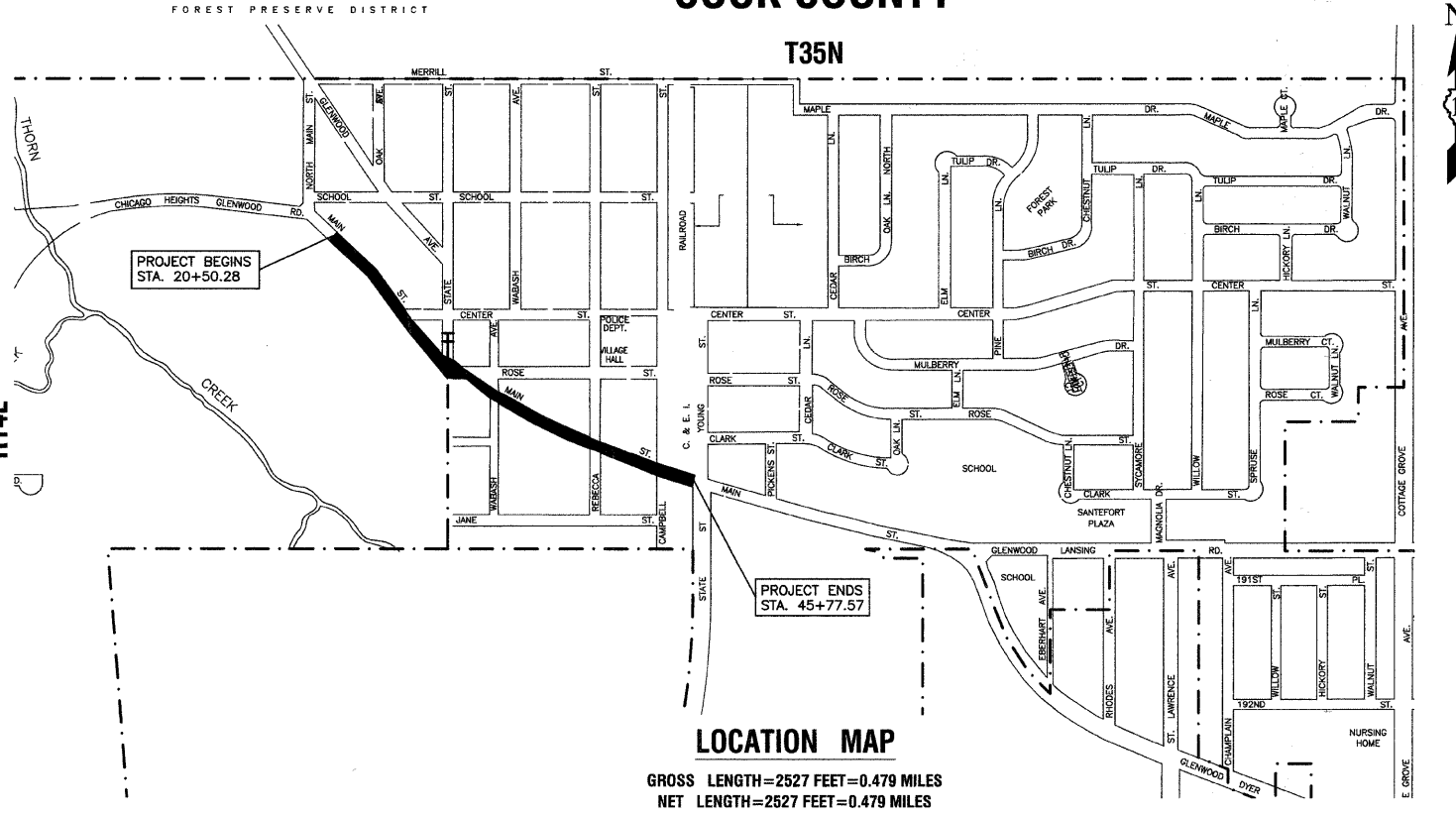
Released for Bid Based on Limited Review: August 18, 2008  
*Diana M. O'Keefe*  
 Deputy Director of Highways, Region 1 Engineer

DESCRIPTION OF IMPROVEMENT  
THIS IMPROVEMENT CONSISTS OF EARTH EXCAVATION, CONSTRUCTION OF STORM SEWERS AND DRAINAGE STRUCTURES, FORCE MAIN, AND ROADWAY WIDENING. ALL INCIDENTAL WORK AS NECESSARY TO COMPLETE THE IMPROVEMENT SHOWN HEREIN AND AS DESCRIBED IN THE SPECIFICATIONS.

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

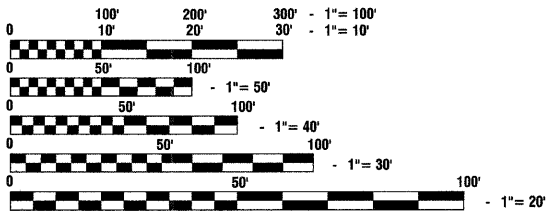
PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:

*William P. Joly*  
7/24/08



LOCATION MAP

GROSS LENGTH=2527 FEET=0.479 MILES  
NET LENGTH=2527 FEET=0.479 MILES



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

CONTRACT NO. 63078

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

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3603	03-00049-00-FP	COOK	045	002
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT M8003 (559)	

CONTRACT #63078

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- 2. INDEX OF SHEETS & STATE STANDARDS
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- 4.-5. SUMMARY OF QUANTITIES
- 6.-7. TYPICAL CROSS SECTIONS
- 8. MAINTENANCE OF TRAFFIC
- 9.-11. MAIN STREET PLAN AND PROFILE
- 12.-13. INTERSECTION DETAILS
- 14.-17. MAIN STREET DRAINAGE AND UTILITIES
- 18. STRUCTURE AND PIPE SCHEDULES
- 19. PAVEMENT MARKING AND SIGNING
- 20.-23. LIGHTING PLANS AND DETAILS
- 24.-25. LANDSCAPING AND EROSION CONTROL
- 26.-27. DETAILS
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- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 280001-04 TEMPORARY EROSION CONTROL SYSTEMS
- 424001-05 CURB RAMPS FOR SIDEWALKS
- 542301-01 PRECAST REINFORCED CONCRETE FLARED END SECTION
- 542311 GRATING FOR CONCRETE FLARED END SECTION FOR 24" THRU 54" PIPE
- 602001 CATCH BASINS, TYPE A
- 602011 CATCH BASINS, TYPE C
- 602301-01 INLET, TYPE A
- 602401-01 MANHOLE, TYPE A
- 602406-02 MANHOLE, TYPE A, 72" DIAMETER
- 602601-01 PRECAST REINFORCED CONCRETE FLAT SLAB TOP
- 602701-01 CAST IRON STEPS
- 604001-02 FRAME AND LIDS, TYPE 1
- 604086-01 FRAME AND GRATE, TYPE 23
- 604091-01 FRAME AND GRATE, TYPE 24
- 606001-03 CONCRETE CURB & COMBINATION CONCRETE CURB & GUTTER
- 701311-02 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS- DAY ONLY
- 701326-02 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS GREATER OR EQUAL TO 45 MPH
- 701501-04 URBAN LANE CLOSURE 2L,2W UNDIVIDED
- 701701-05 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701901 TRAFFIC CONTROL DEVICES
- 720001 SIGN PANEL MOUNTING DETAILS
- 720006-01 SIGN PANEL ERECTION DETAILS
- 720011 METAL POSTS (SIGNS, MARKERS, AND DELINEATORS)
- 720016-01 MAST ARM MOUNTED STREET NAME SIGNS
- 729001 APPLICATIONS OF TYPE A AND B METAL POST
- 780001-01 TYPICAL PAVEMENT MARKINGS

REVISIONS	
NAME	DATE

**ILLINOIS DEPARTMENT OF TRANSPORTATION**

**MAIN STREET IMPROVEMENTS  
NORTH MAIN STREET TO CAMPBELL STREET  
INDEX OF SHEETS & STATE STANDARDS**

SCALE: VERT. NA  
HORIZ. NA  
DATE: 7-24-08

DRAWN BY PS/AY  
CHECKED BY WPD

**TYPICAL GENERAL NOTES**

1. The MWRD Local Sewer Systems Section Field Office must be notified at least two (2) working days prior to the commencement of any work (call 708-588-4055).

2. Elevation datum is U.S.G.S.  
 Conversion equation: \_\_\_\_\_

3. All floor drains shall discharge to the sanitary sewer system.

4. All downspouts and footing drains shall discharge to the storm sewer system.

5. All sanitary sewer pipe materials and joints (and storm sewer pipe materials and joints in a combined sewer area) shall conform to:

Pipe Material Spec.	Joint Spec.
Verified Clay Pipe	
VCP C-700	C-425
VCP (No-Bell) C-700	C-425
Joint	C-425
Collar	D-1784
Concrete Pipe C-14	C-443
RCP C-76	C-443
ACP C-428	D-1869

ABS Sewer Pipe  
 Solid Wall 6" dia. SDR 23.5  
 ABS D-2751

ABS Composite/Truss Pipe  
 8"-15" dia  
 ABS D-2680

PVC Gravity Sewer Pipe  
 6"-15" dia. SDR 26  
 D-3034

18"-27" dia. Fdy-46  
 F-679

CISP A-74  
 DIP A-21.51

(Note: The District has approved less common pipe materials on a qualified basis in addition to those above. Please contact the District if considering using pipe not listed above.)

6. All sanitary sewer construction (and storm sewer construction in combined sewer areas), requires stone bedding with stone 1/2" to 1" in size, with minimum bedding thickness equal to 1/4 the outside diameter of the sewer pipe, but not less than four (4) inches nor more than eight (8) inches. Material shall be CA-11 or CA-13 and shall be extended at least 12" above the top of the pipe when using PVC.

7. "Band Seal" or similar flexible-type couplings shall be used in the connection of sewer pipes of dissimilar materials.

8. When connecting to an existing sewer main by means other than an existing wye, tee, or an existing manhole, one of the following methods shall be used:

1. Circular saw-cut of sewer main by proper tools ("Sewer-Tap" machine or similar) and proper installation of hub-wye saddle or hub-tee saddle.
2. Remove an entire section of pipe (breaking only the top of one bell) and replace with a wye or tee branch section.
3. With pipe cutter, neatly and accurately cut out desired length of pipe for insertion of proper fitting, using "Band Seal" or similar couplings to hold it firmly in place.

9. Whenever a sanitary/combined sewer crosses under a watermain, the minimum vertical distance from the top of the sewer to the bottom of the watermain shall be 18 inches. Furthermore, a minimum horizontal distance of 10 feet between sanitary/combined sewers and watermains shall be maintained unless the sewer is laid in a separate trench, keeping a minimum 18" vertical separation; or the sewer is laid in the same trench with the watermain located at the opposite side on a bench of undisturbed earth, keeping a minimum 18" vertical separation. If either the vertical or horizontal distances described above can not be maintained, or the sewer crosses above the watermain, the sewer shall be constructed to watermain standards.

10. All existing septic systems shall be abandoned. Abandoned tanks shall be filled with granular material or removed.

11. All sanitary manholes, (and storm manholes in combined sewer areas), shall have a minimum inside diameter of 48 inches, and shall be cast in place or pre-cast reinforced concrete. Resilient connectors, conforming to ASTM C-923, shall be used between manhole and pipe(s).

1 ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

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 DRAINAGE STRUCTURE ELEVATIONS: GRADES OF SEWER LINES WERE DETERMINED FROM AVAILABLE PLANS AND SURVEYS. ACCORDINGLY, AS DIRECTED BY THE ENGINEER, THE INVERTS OF THE PROPOSED DRAINAGE WILL BE REVISED TO MEET EXISTING FIELD CONDITIONS.

4 THE TOP OF ALL STRUCTURES SHALL BE FLUSH WITH THE ADJACENT SURFACE OR AT THE INDICATED ELEVATIONS SHOWN ON THE PLANS.

5 HALF TRAPS TO BE OMITTED IN CATCH BASINS.

6 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.

7 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.

8 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.

9 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 COMMUNITY.

10 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 UTILITY COMPANY 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.

11 ALL TRENCHES WITHIN 2 FEET OF PROPOSED PAVEMENT, DRIVEWAYS, AND SIDEWALKS SHALL BE BACKFILLED WITH TRENCH BACKFILL ONLY.

12 COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12, B-6.18 AND B-6.24 SHALL BE INSTALLED WITH A THICKNESS EQUAL TO TWELVE INCHES (12").

13 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).

14 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.

**GENERAL NOTES**

15 THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.

16 THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON VILLAGE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE VILLAGE.

17 WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.

18 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.

19 THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4150 A MINIMUM OF 5 WORKING DAYS IN ADVANCE OF BEGINNING WORK. THE CONTRACTOR SHALL ALSO CONTACT ROBINSON ENGINEERING (708) 331-6700, AND THE VILLAGE OF GLENWOOD (708) 753-2414 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

20 ALL HOT-MIX ASPHALT 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.

21 POROUS GRANULAR EMBANKMENT (PGE) 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.

22 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.

23 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.

24 10' TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER TO EXISTING CURB AND GUTTER OR TO TAPER FROM 6" TO 0", UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF WORK SPECIFIED.

25 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), WITH A MINIMUM OF CLASS III.

26 IN COMPLIANCE WITH THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (I.E.P.A.) FOR CONSTRUCTION PROJECT WHICH DISTURBS ONE ACRE OR MORE TOTAL LAND AREA, THE RESIDENT ENGINEER AND THE CONTRACTOR SHALL COOPERATIVELY DEVELOP A STORM WATER POLLUTION PREVENTION PLAN AS SPECIFIED IN THE SPECIAL PROVISION FOR NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) CONTAINED IN THE CONTRACT DOCUMENT.

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
3603	03-00049-00-FP	COOK	045	003
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT M8003 (559)	

**CONTRACT #63078**

REVISIONS	
NAME	DATE

**ILLINOIS DEPARTMENT OF TRANSPORTATION**  
**MAIN STREET IMPROVEMENTS**  
**NORTH MAIN STREET TO CAMPBELL STREET**  
**GENERAL NOTES**

SCALE: VERT. NA  
 HORIZ. NA  
 DATE 7-24-08  
 DRAWN BY PS  
 CHECKED BY WPD

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
3603	03-00049-00-FP	COOK	045	004
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT M8003 (559)	

CONTRACT #63078

SUMMARY OF QUANTITIES					PAVEMENT	MARKINGS	SIGNS	LANDSCAPE	LIGHTS	SIGNALS	TRAINING	LOCAL AGENCY
S.I.	CODE NO.	PAY ITEM	UNIT	QUAN	CONSTRUCTION TYPE CODE							
					1000-2A	SFTY-1D	Y002-1C	Y003	Y030-1E	Y031	Y080	Y060
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	42	42							
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	225	225							
	20200100	EARTH EXCAVATION	CU YD	2878	2878							
	20200200	ROCK EXCAVATION	CU YD	100	100							
	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	6600	4660						2000	
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	4995	4995							
	21300010	EXPLORATION TRENCH, SPECIAL	FOOT	200	200							
*	25000210	SEEDING, CLASS 2A	ACRE	0.491	0.491							
*	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	77	77							
*	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	77	77							
*	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	77	77							
	25100630	EROSION CONTROL BLANKET	SQ YD	2375	2375							
*	25200110	SODDING, SALT TOLERANT	SQ YD	2620	2620							
	28000400	PERIMETER EROSION BARRIER	FOOT	4170	4170							
	28000500	INLET AND PIPE PROTECTION	EACH	1	1							
	28000510	INLET FILTERS	EACH	38	38							
	28100107	STONE RIPRAP, CLASS A4	SQ YD	12	12							
	28200200	FILTER FABRIC	SQ YD	12	12							
	35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	1818	1818							
	35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	357	357							
	40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	120	120							
	40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	3905	3905							
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	2	2							
	40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	83	83							
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1380	1380							
	40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	1709	1709							
	40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	41	41							
	40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1256	1256							
	42001300	PROTECTIVE COAT	SQ YD	3319	3319							
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	17865	17865							
	42400800	DETECTABLE WARNINGS	SQ FT	66	66							
	44000100	PAVEMENT REMOVAL	SQ YD	948	948							
	44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	1024	1024							
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	306	306							
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	936	936							
	44000600	SIDEWALK REMOVAL	SQ FT	17310	17310							
	44004250	PAVED SHOULDER REMOVAL	SQ YD	1711	1711							
	44201777	CLASS D PATCHES, TYPE II, 11 INCH	SQ YD	95	95							
	44201781	CLASS D PATCHES, TYPE III, 11 INCH	SQ YD	136	136							
	44201783	CLASS D PATCHES, TYPE IV, 11 INCH	SQ YD	527	527							
	44300300	AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A	SQ YD	9160	9160							
	54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	1	1							
	54247170	GRATING FOR CONCRETE FLARED END SECTION 36"	EACH	1	1							
	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	259	259							
	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	67	67							
	550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	993	993							
	550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	204	204							
	550A0730	STORM SEWERS, CLASS A, TYPE 3 30"	FOOT	640	640							
	550A0750	STORM SEWERS, CLASS A, TYPE 3 36"	FOOT	586	586							

\* - INDICATES SPECIALTY ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**MAIN STREET IMPROVEMENTS  
NORTH MAIN STREET TO CAMPBELL STREET  
SUMMARY OF QUANTITIES**

SCALE: VERT. NA  
HORIZ. NA  
DATE: 7-24-08

DRAWN BY: LTL  
CHECKED BY: WPD



FAU R/E	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
3603	03-00049-00-FP	COOK	045	005
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M8003 (559)		

CONTRACT #63078

SUMMARY OF QUANTITIES					PAVEMENT	MARKINGS	SIGNS	LANDSCAPE	LIGHTS	SIGNALS	TRAINING	LOCAL AGENCY
S.I.	CODE NO.	PAY ITEM	UNIT	QUAN	CONSTRUCTION TYPE CODE							
					1000-2A	SFTY-1D	Y002-1C	Y003	Y030-1E	Y031	Y080	Y060
	550A1030	STORM SEWERS, CLASS A, TYPE 4 30"	FOOT	228	228							
	550A1050	STORM SEWERS, CLASS A, TYPE 4 36"	FOOT	296	296							
*	56106300	ADJUSTING WATER MAIN 6"	FOOT	90	90							
*	56106400	ADJUSTING WATER MAIN 8"	FOOT	100	100							
*	56106600	ADJUSTING WATER MAIN 12"	FOOT	45	45							
	60107600	PIPE UNDERDRAINS 4"	FOOT	2600	2600							
	60201330	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	EACH	4	4							
	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	10	10							
	60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	16	16							
	60221000	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	3	3							
	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	20	20							
	60222240	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	5	5							
	60225400	RESTRICTED DEPTH MANHOLES, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2							
	60265700	VALVE VAULTS TO BE ADJUSTED	EACH	1	1							
	60266600	VALVE BOXES TO BE ADJUSTED	EACH	8	8							
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	18	18							
	60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	58	58							
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	4442	4442							
	67100100	MOBILIZATION	L SUM	1	1							
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1							
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1							
	72000100	SIGN PANEL - TYPE 1	SQ FT	32	32							
	72900200	METAL POST - TYPE B	FOOT	58	58							
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	348		348						
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5658		5658						
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1517		1517						
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	306		306						
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	191		191						
*	81000800	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	325				325				
*	81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1170				1170				
*	81603080	UNIT DUCT, 600V, 3-1C NO.2, 1/C NO.4 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	1255				1255				
*	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	37.5				37.5				
*	83600215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	13.5				13.5				
*	83800105	BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 BOLT CIRCLE	EACH	6				6				
*	84200700	LIGHTING FOUNDATION REMOVAL	EACH	6				6				
*	84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	6				6				
	Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	3688	3688							
	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1							
	Z0076600	TRAINEES	HOOR	1500				1500				
*	A2001724	TREE, ACER SACCHARUM (SUGAR MAPLE), 3" CALIPER, BALLED AND BURLAPPED	EACH	3	3							
*	A2003324	TREE, FRAXINUS AMERICANA (WHITE ASH), 3" CALIPER, BALLED AND BURLAPPED	EACH	1	1							
*	A2006720	TREE, QUERCUS MACROCARPA (BUR OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2	2							
	X0321556	SANITARY MANHOLES TO BE ADJUSTED	EACH	7	7							
	X0322033	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	300	300							
	X0322125	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	FOOT	304	304							
	X0712400	TEMPORARY PAVEMENT	SQ YD	267	267							
	XX005656	INLET FILTER CLEANING	EACH	76	76							
*	XX007115	12" C-900 FORCE MAIN, DR-14	FOOT	2600							2600	
*	XX007116	12" PVC FITTINGS	POUND	2000							2000	
*	XX007117	12" PLUG	EACH	2							2	
*	XX007118	AIR RELEASE VALVE VAULT	EACH	1							1	

\* - INDICATES SPECIALTY ITEMS

REVISIONS	
NAME	DATE

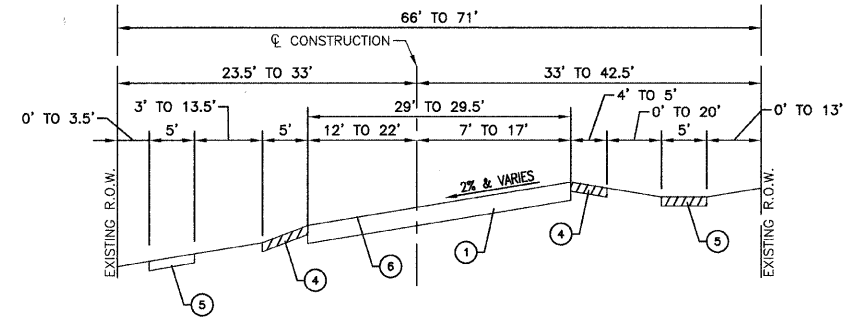
ILLINOIS DEPARTMENT OF TRANSPORTATION

**MAIN STREET IMPROVEMENTS  
NORTH MAIN STREET TO CAMPBELL STREET  
SUMMARY OF QUANTITIES**

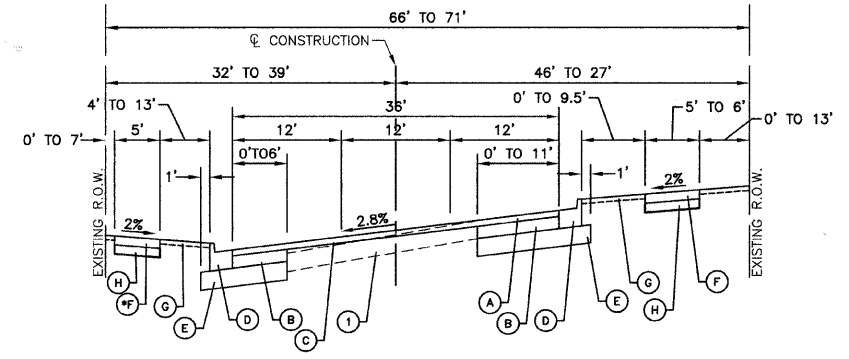
VERT. NA  
SCALE: HORIZ. NA  
DATE 7-24-08

DRAWN BY LTL  
CHECKED BY WPD

CONTRACT #63078



**EXISTING TYPICAL SECTION**  
STA. 26+50 TO STA. 33+50  
STA. 37+00 TO STA. 39+50



**PROPOSED TYPICAL SECTION**  
STA. 26+00 TO STA. 32+86.40  
TRANSITION: NORMAL CROWN TO SUPERELEVATION  
STA. 27+49.88 TO STA. 29+04.88  
TRANSITION: SUPERELEVATION TO NORMAL CROWN  
STA. 31+31.40 TO STA. 32+86.40

**EXISTING LEGEND**

- ① EXISTING PAVEMENT - 9.5" TO 12"
- ② HMA SURFACE REMOVAL - 1.5" & VARIABLE
- ③ COMB. CONC. CURB & GUTTER, TYPE B-6.18
- ④ HMA SHOULDER
- ⑤ PCC SIDEWALK
- ⑥ STRIP REFLECTIVE CRACK CONTROL TREATMENT SYSTEM A
- ▨ ITEM TO BE REMOVED

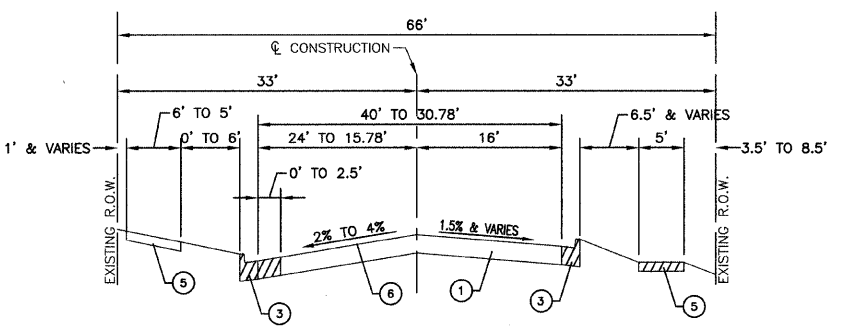
**PROPOSED LEGEND**

- Ⓐ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
- Ⓑ HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N70, 10"
- Ⓒ LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4" & VARIES
- Ⓓ COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24
- Ⓔ AGGREGATE SUBGRADE, 12"
- Ⓕ PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- Ⓖ TOPSOIL FURNISH AND PLACE, 4" - SEEDING, CLASS 2A & EROSION CONTROL BLANKET OR SODDING, SALT TOLERANT
- Ⓗ AGGREGATE BASE COURSE, TYPE B, 4"

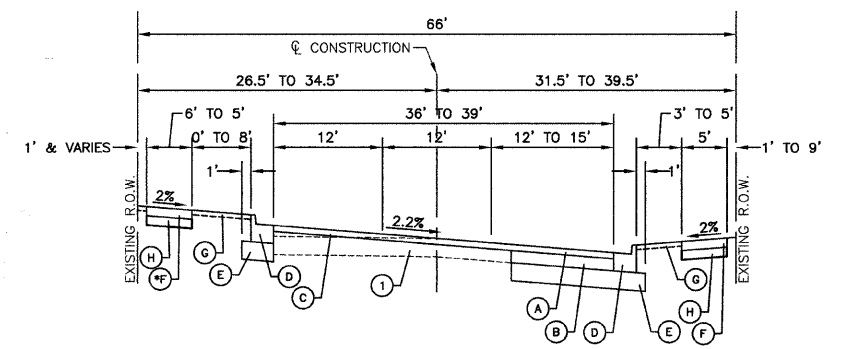
**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

MIXTURE TYPE	AC TYPE	AIR VOIDS
<b>PAVEMENT RESURFACING</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm)	PG 64-22	4% @ 70 Gyr.
LEVELING BINDER (MACHINE METHOD), N70 (IL-9.5mm)	PG 64-22/58-22 *	4% @ 70 Gyr.
<b>PAVEMENT WIDENING</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm); 2"	PG 64-22	4% @ 70 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70; 10"	PG 64-22 *	4% @ 70 Gyr.
<b>DRIVEWAYS</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL-9.5mm); 2"	PG 64-22	4% @ 50 Gyr.
HOT-MIX ASPHALT BASE COURSE, (HMA BINDER IL-19.0mm); 6"	PG 64-22 *	4% @ 50 Gyr.
<b>PATCHING</b>		
CLASS D PATCHES (HMA BINDER IL-19mm)	PG 64-22 *	4% @ 70 Gyr.
<b>TEMPORARY PAVEMENT</b>		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5mm); 1-1/2"	PG 64-22	4% @ 50 Gyr.
TEMP PAVEMENT (HMA BINDER, IL-19 mm); 6"	PG 64-22 *	4% @ 50 Gyr.

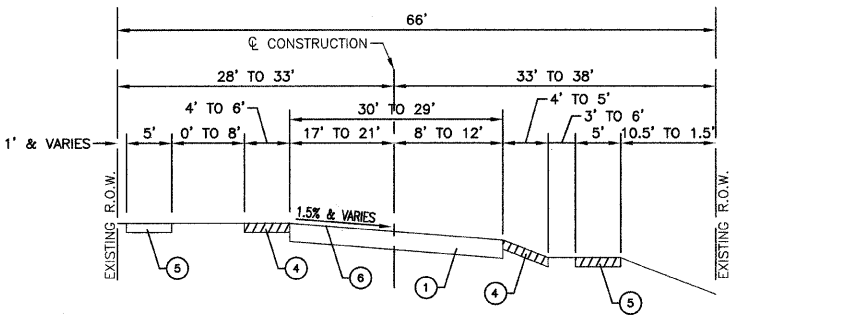
NOTE: 1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN.  
2. \*WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.



**EXISTING TYPICAL SECTION**  
STA. 20+50 TO STA. 22+07.66



**PROPOSED TYPICAL SECTION**  
STA. 20+50 TO STA. 26+00  
TRANSITION: NORMAL CROWN TO SUPERELEVATION  
STA. 20+89.56 TO STA. 22+59.56  
TRANSITION: SUPERELEVATION TO NORMAL CROWN  
STA. 24+15.56 TO STA. 25+85.56



**EXISTING TYPICAL SECTION**  
STA. 22+07.66 TO STA. 26+50

REVISIONS	
NAME	DATE

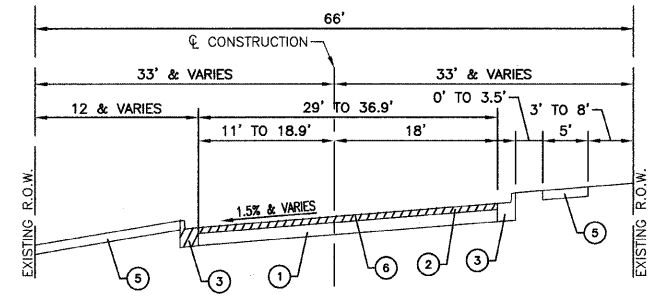
ILLINOIS DEPARTMENT OF TRANSPORTATION

**MAIN STREET IMPROVEMENTS  
NORTH MAIN STREET TO CAMPBELL STREET  
TYPICAL CROSS SECTIONS**

SCALE: VERT. NA  
HORIZ. NA  
DATE: 7-24-08

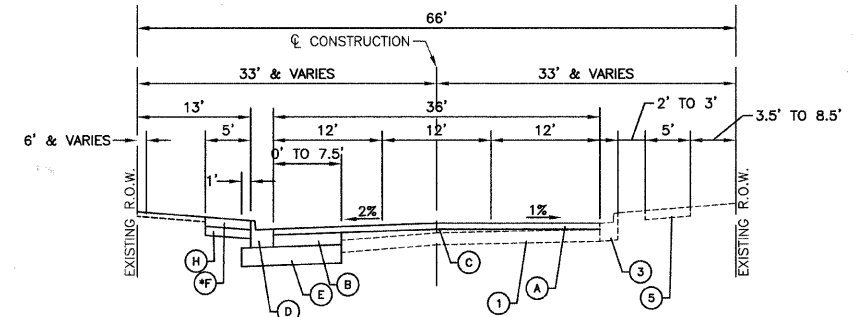
DRAWN BY: PS/AY  
CHECKED BY: WPD

CONTRACT #63078



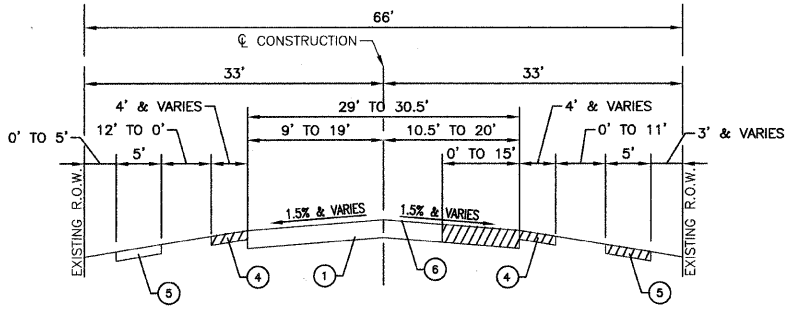
EXISTING TYPICAL SECTION  
STA. 39+50 TO STA. 43+09.05

- EXISTING LEGEND**
- ① EXISTING PAVEMENT - 9.5" TO 12"
  - ② HMA SURFACE REMOVAL - 1.5" & VARIABLE
  - ③ COMB. CONC. CURB & GUTTER, TYPE B-6.18
  - ④ HMA SHOULDER
  - ⑤ PCC SIDEWALK
  - ⑥ STRIP REFLECTIVE CRACK CONTROL TREATMENT SYSTEM A
  - ▨ ITEM TO BE REMOVED



PROPOSED TYPICAL SECTION  
STA. 39+50 TO STA. 43+09.06

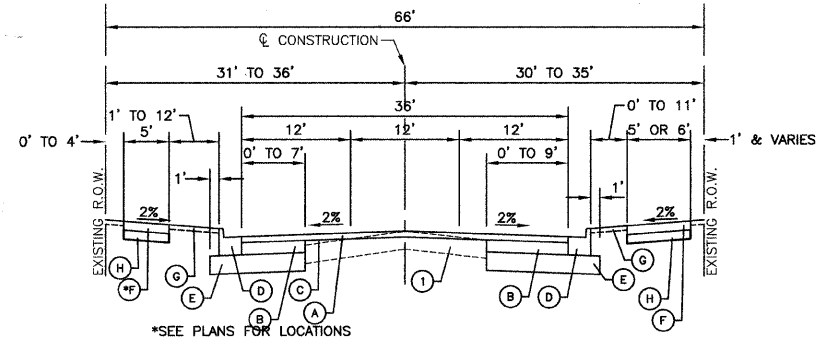
\*PAVEMENT REMOVAL FROM 32+50 TO 35+50



EXISTING TYPICAL SECTION  
STA. 33+50 TO STA. 37+00

\*PAVEMENT REMOVAL FROM 32+50 TO 35+50

- PROPOSED LEGEND**
- Ⓐ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
  - Ⓑ HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N70, 10"
  - Ⓒ LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4" & VARIES
  - Ⓓ COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24
  - Ⓔ AGGREGATE SUBGRADE, 12"
  - Ⓕ PORTLAND CEMENT CONCRETE SIDEWALK, 5"
  - Ⓖ TOPSOIL FURNISH AND PLACE, 4" - SEEDING, CLASS 2A & EROSION CONTROL BLANKET OR SODDING, SALT TOLERANT
  - Ⓗ AGGREGATE BASE COURSE, TYPE B, 4"



PROPOSED TYPICAL SECTION  
STA. 32+86.40 TO STA. 39+50

\*PAVEMENT REMOVAL FROM 32+50 TO 35+50

**EARTHWORK QUANTITIES**

TOTAL CUT=	2399 CY
TOTAL TOPSOIL (ESTIMATED)=	800 CY
TOTAL AVAILABLE CUT TO FILL =	1599 CY
TOTAL FILL =	480 CY
CUT TO FILL (15% SHRINKAGE) =	552 CY

**SOILS NOTE:**

A QUANTITY FOR POROUS GRANULAR EMBANKMENT, SUBGRADE HAS BEEN INCLUDED FOR LOCATIONS OF SOILS WHICH TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH POROUS GRANULAR EMBANKMENT, SUBGRADE WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIALS ARE ENCOUNTERED, THE SOILS SHALL BE REMOVED AND REPLACED WITH POROUS GRANULAR EMBANKMENT, SUBGRADE. IF UNSTABLE OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR.

**REVISIONS**

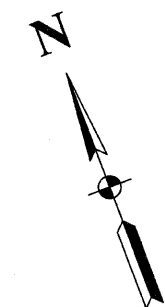
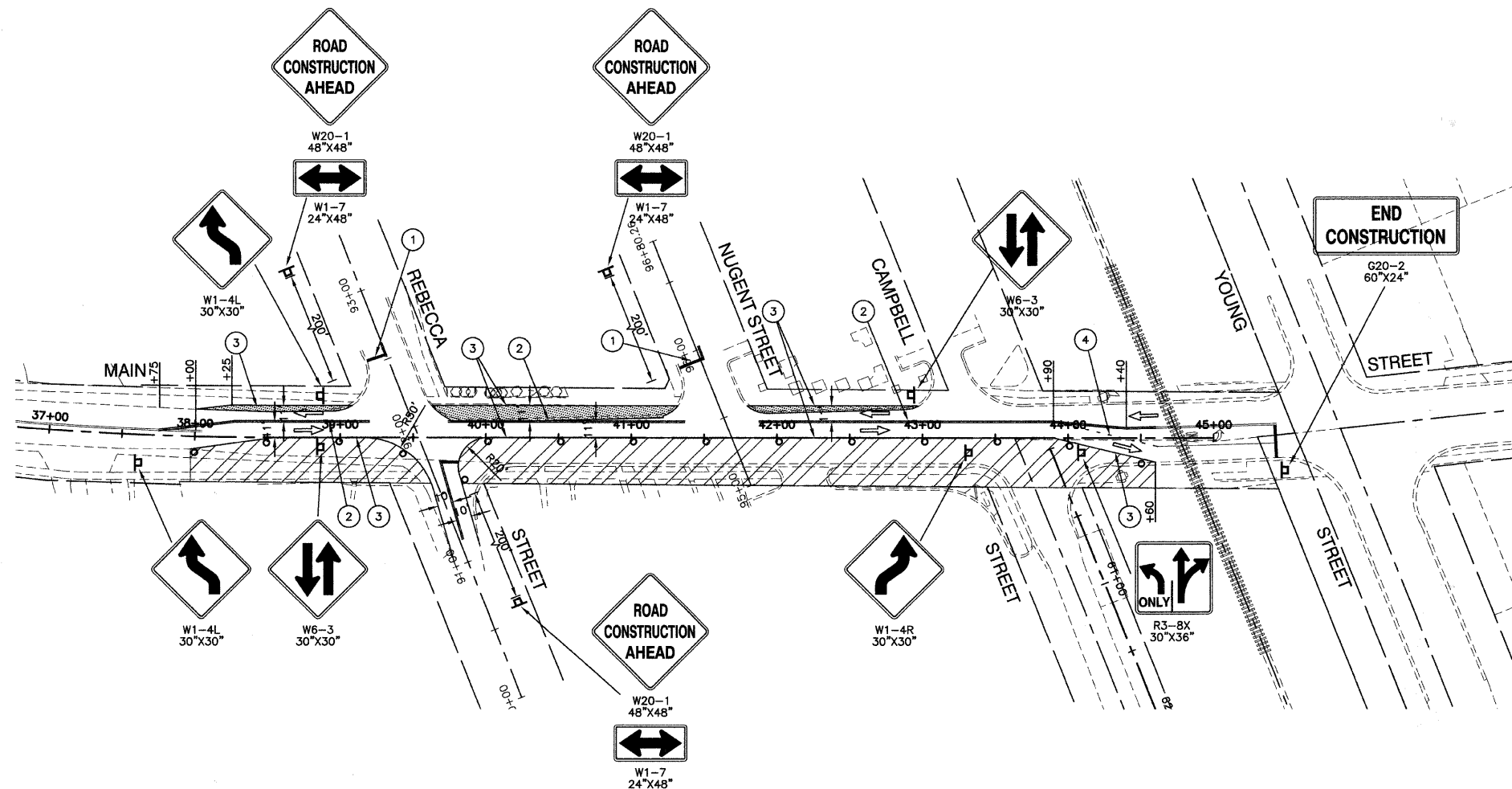
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**MAIN STREET IMPROVEMENTS  
NORTH MAIN STREET TO CAMPBELL STREET  
TYPICAL CROSS SECTIONS**

SCALE: VERT. NA  
HORIZ. NA  
DATE: 7-24-08  
DRAWN BY: PS/AY  
CHECKED BY: WPD

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3603	03-00049-00-FP	COOK	045	008
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT M8003 (559)	

CONTRACT #63078



**CONSTRUCTION STAGING NOTES**

**STAGE 1**

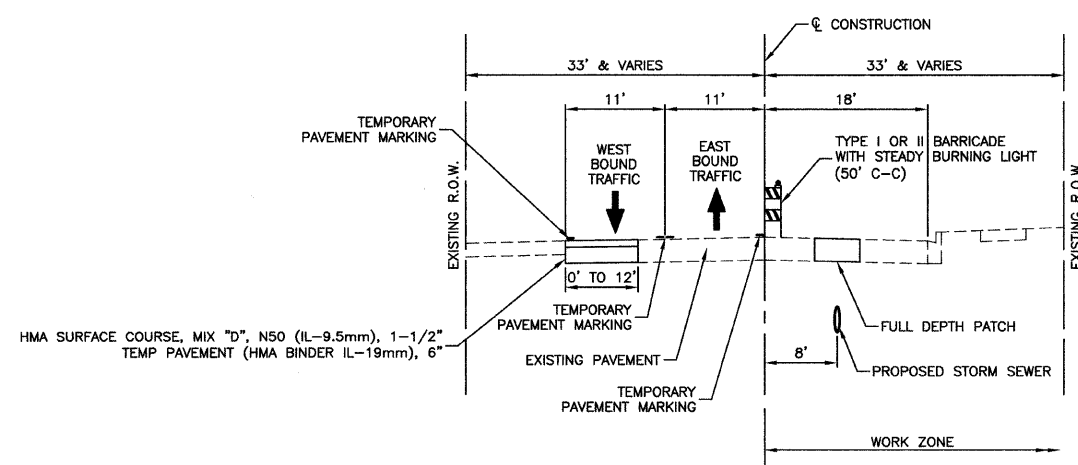
- RELOCATE LIGHTING AND ALL OTHER UTILITIES REQUIRED TO CONSTRUCT TEMPORARY PAVEMENT.
- REMOVE CURB AND GUTTER AND SIDEWALK AS NECESSARY TO CONSTRUCT TEMPORARY PAVEMENT.
- CONSTRUCT TEMPORARY PAVEMENT.
- MOVE TRAFFIC NORTH OF THE CENTER LINE AND STRIPE PAVEMENT.
- CONSTRUCT STORM SEWER AND APPURTENANCES, AND PATCH ROAD.
- REMOVE TEMPORARY STRIPING AND MOVE TRAFFIC BACK TO NORMAL CONDITIONS.

**STAGE 2**

COMPLETE THE REMAINDER OF THE PROJECT USING HIGHWAY STANDARDS 701311, 701326, 701501, AND 701701.

**LEGEND**

- ① 24" WHITE STOP BAR - TEMPORARY PAVEMENT MARKINGS
- ② 4" DOUBLE YELLOW CENTERLINE (11" C-C) - TEMPORARY PAVEMENT MARKINGS
- ③ 4" WHITE EDGE LINE - TEMPORARY PAVEMENT MARKINGS
- ④ 4" WHITE SKIP DASH (2' LINE, 6' SPACE) - TEMPORARY PAVEMENT MARKINGS
- WORK ZONE
- TEMPORARY PAVEMENT TO BE CONSTRUCTED (7.5")
- PAVEMENT CONSTRUCTION LIMITS
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURNING LIGHTS (50' C-C)
- SIGN



TYPICAL CROSS SECTION  
STAGE 1 - STA 38+00 TO STA 45+00

REVISIONS	
NAME	DATE

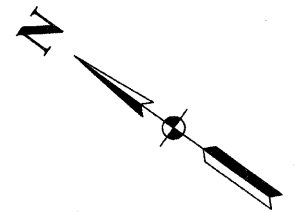
ILLINOIS DEPARTMENT OF TRANSPORTATION

**MAIN STREET IMPROVEMENTS  
NORTH MAIN STREET TO CAMPBELL STREET  
MAINTENANCE OF TRAFFIC**

SCALE: VERT. NA  
HORIZ. 1"=50'  
DATE: 7-24-08  
DRAWN BY: EC  
CHECKED BY: WPD

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3803	03-00049-00-FP	COOK	045	009
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT M8003 (559)	

CONTRACT #63078

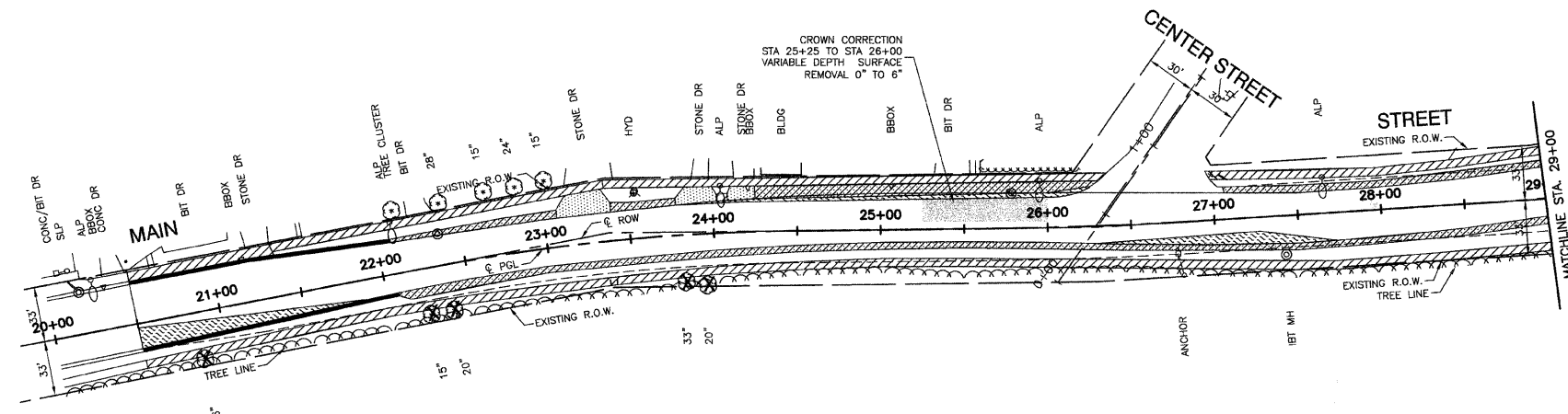


**LEGEND**

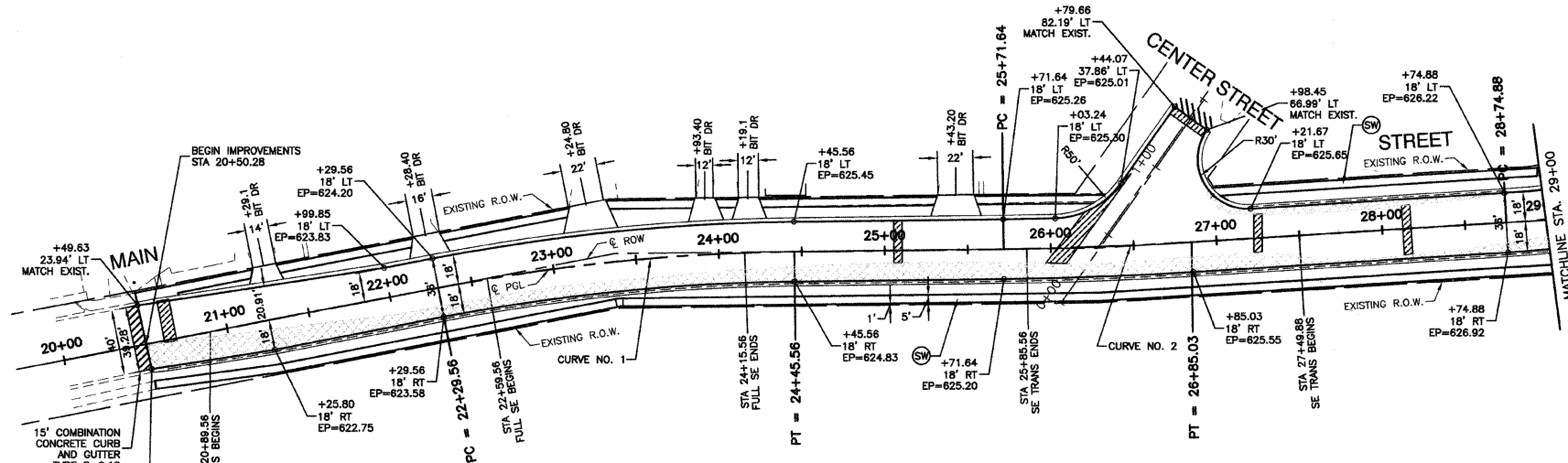
- HMA SURFACE REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- SHOULDER REMOVAL
- PAVEMENT REMOVAL
- COMB. CURB AND GUTTER REMOVAL
- PAVEMENT WIDENING
- CLASS D PATCHES
- 10' BUTT JOINTS
- P.C.C. SIDEWALK-5"
- TREE REMOVAL

**NOTES**

1. ALL HMA DRIVEWAYS SHALL CONSIST OF HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50-2", AND HOT-MIX ASPHALT BASE COURSE-6".
2. ALL PROPOSED COMBINATION CONCRETE CURB AND GUTTER SHALL BE TYPE B-6.24 UNLESS OTHERWISE NOTED.



EXISTING CONDITIONS



PROPOSED IMPROVEMENTS

**CURVE NO. 1**

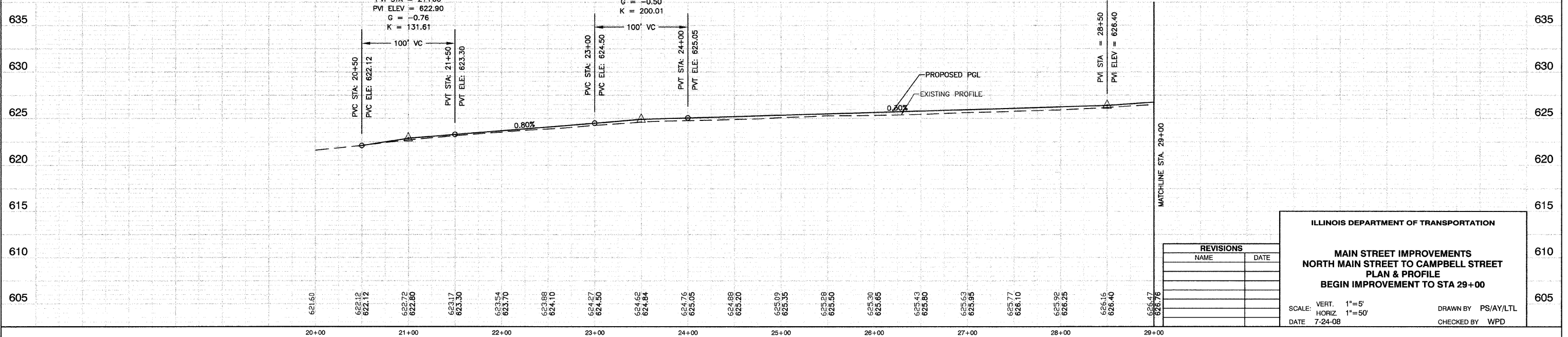
P.I.=STA. 23+37.56  
 $\Delta=10'18'48''$   
 R=1200 FT  
 T=108.293 FT  
 L=216 FT  
 E=4.876 FT  
 P.C.=STA 22+29.56  
 P.T.=STA 24+45.56  
 S.E. RATE=2.2%  
 S.E. TRANSITION=170FT

**CURVE NO. 2**

P.I.=STA. 26+28.34  
 $\Delta=2'49'29''$   
 R=2300 FT  
 T=56.706 FT  
 L=113.39 FT  
 E=0.699 FT  
 P.C.=STA 25+71.64  
 P.T.=STA 26+85.03

**BENCH MARK: #96**

N FLANGE OF HYD N SIDE GLENWOOD CHICAGO HEIGHTS RD BETWEEN GLENWOOD OAKS AND FOREST PRESERVE ELEVATION = 621.80



REVISIONS	
NAME	DATE

**ILLINOIS DEPARTMENT OF TRANSPORTATION**

**MAIN STREET IMPROVEMENTS  
 NORTH MAIN STREET TO CAMPBELL STREET  
 PLAN & PROFILE  
 BEGIN IMPROVEMENT TO STA 29+00**

SCALE: VERT. 1"=5'  
 HORIZ 1"=50'

DATE 7-24-08

DRAWN BY PS/AY/LTL  
 CHECKED BY WPD

FAU R/E	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
3603	03-00049-00-FP	COOK	045	010
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT MB003 (559)	

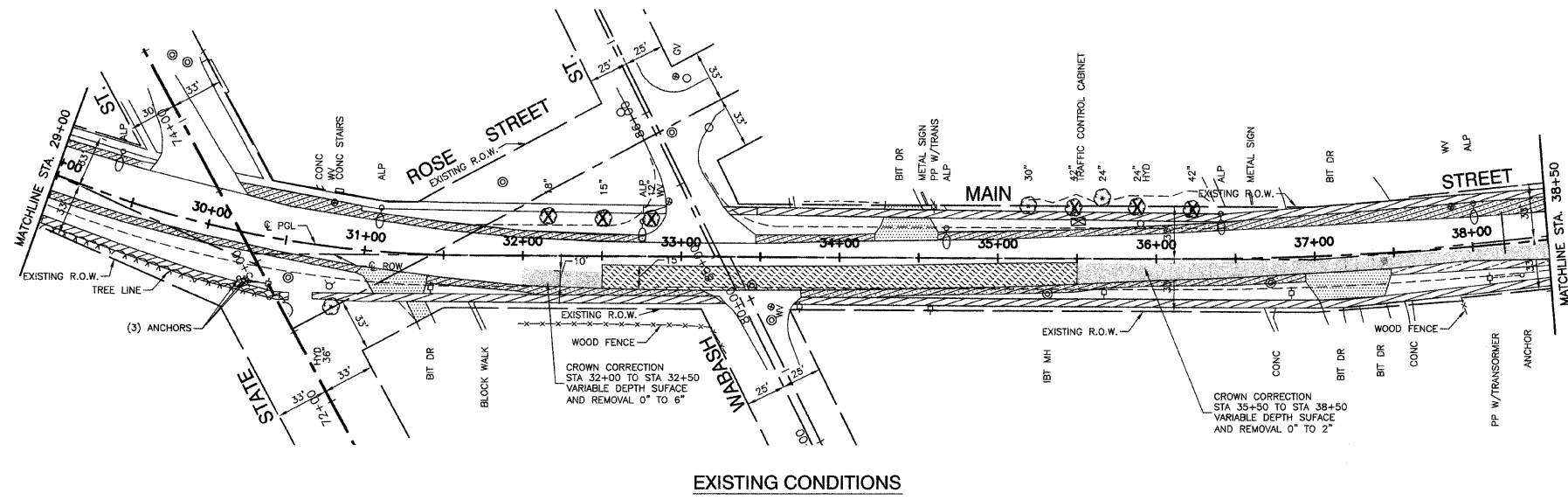
CONTRACT #63078

**LEGEND**

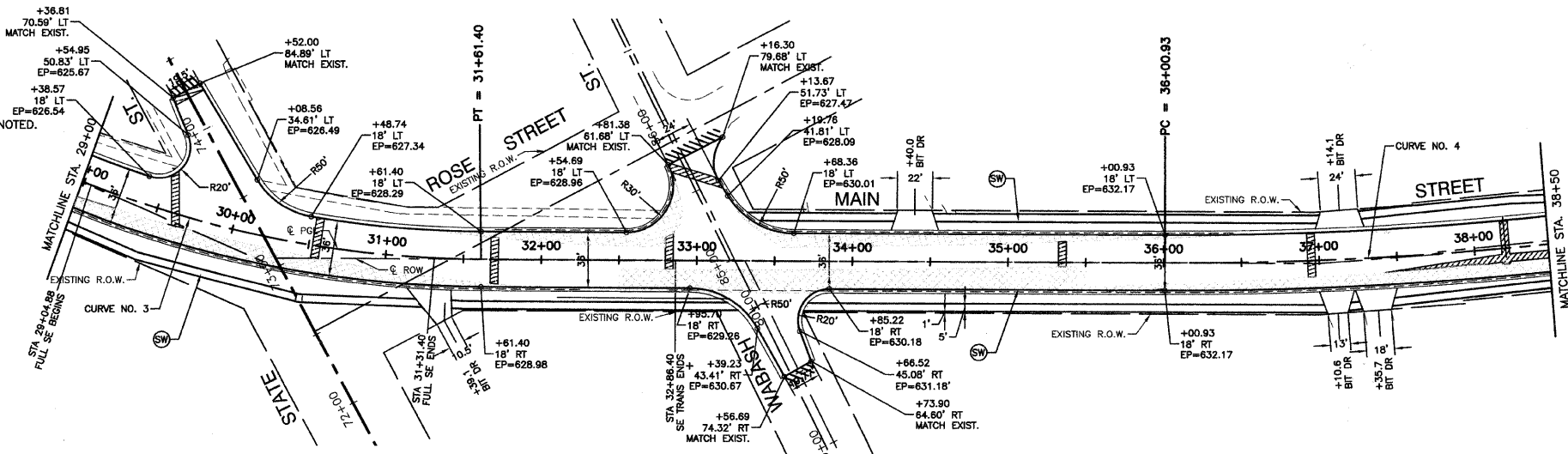
- HMA SURFACE REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- SHOULDER REMOVAL
- PAVEMENT REMOVAL
- COMB. CURB AND GUTTER REMOVAL
- PAVEMENT WIDENING
- CLASS D PATCHES
- 10' BUTT JOINTS
- P.C.C. SIDEWALK-5"
- TREE REMOVAL

**NOTES**

1. ALL HMA DRIVEWAYS SHALL CONSIST OF HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50-2", AND HOT-MIX ASPHALT BASE COURSE-6".
2. ALL PROPOSED COMBINATION CONCRETE CURB AND GUTTER SHALL BE TYPE B-6.24 UNLESS OTHERWISE NOTED.



EXISTING CONDITIONS

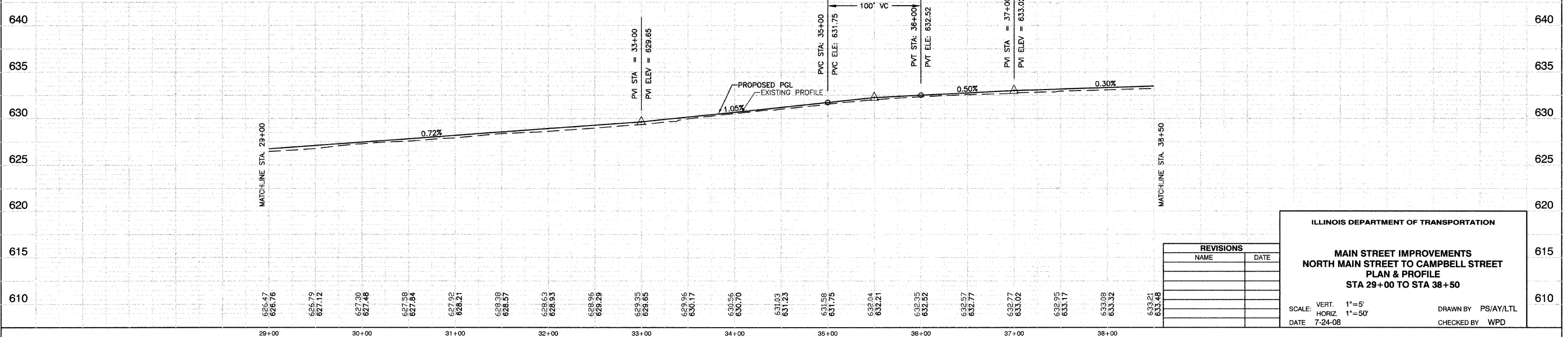


PROPOSED IMPROVEMENTS

**CURVE NO. 3**  
 P.I.=STA. 30+18.14  
 $\Delta=23^{\circ}27'07''$   
 R=700 FT  
 T=145.294 FT  
 L=286.52 FT  
 E=14.92 FT  
 P.C.=STA 28+74.88  
 P.T.=STA 31+61.40  
 S.E. RATE=2.8%  
 S.E. TRANSITION=155FT

**CURVE NO. 4**  
 P.I.=STA. 37+31.7  
 $\Delta=6^{\circ}30'54''$   
 R=2300 FT  
 T=130.906 FT  
 L=261.53 FT  
 E=3.722 FT  
 P.C.=STA 36+00.93  
 P.T.=STA 38+62.46

**BENCH MARK: #96**  
 N FLANGE OF HYD N SIDE GLENWOOD CHICAGO HEIGHTS RD  
 BETWEEN GLENWOOD OAKS AND FOREST PRESERVE  
 ELEVATION = 621.80



REVISIONS	
NAME	DATE

**ILLINOIS DEPARTMENT OF TRANSPORTATION**

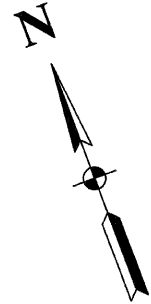
**MAIN STREET IMPROVEMENTS  
 NORTH MAIN STREET TO CAMPBELL STREET  
 PLAN & PROFILE  
 STA 29+00 TO STA 38+50**

SCALE: VERT. 1"=5'  
 HORIZ. 1"=50'  
 DATE 7-24-08

DRAWN BY PS/AY/LTL  
 CHECKED BY WPD

FAU R/E	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
3603	03-00049-00-FP	COOK	045	011
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT M8003 (559)	

CONTRACT #63078

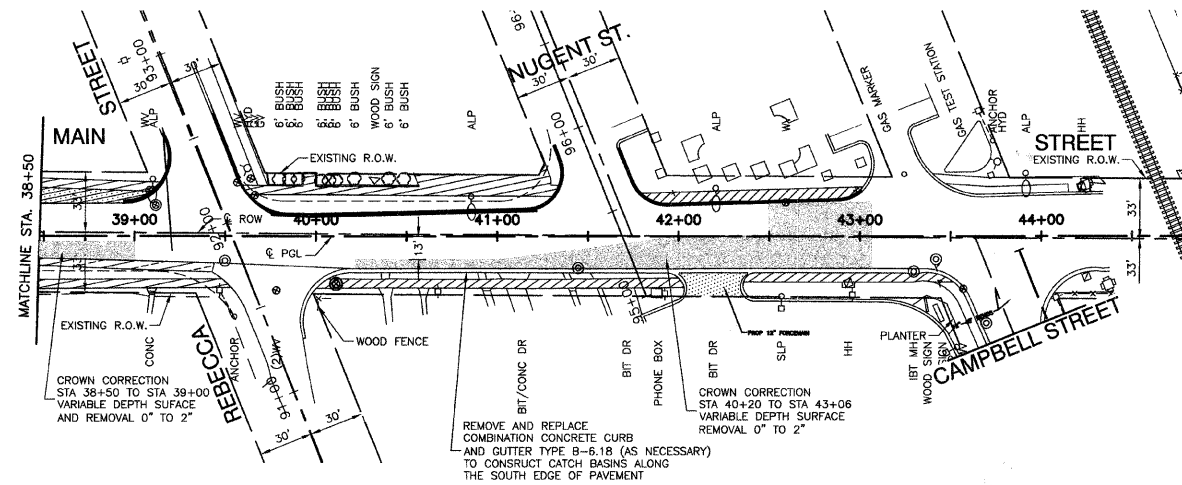


**LEGEND**

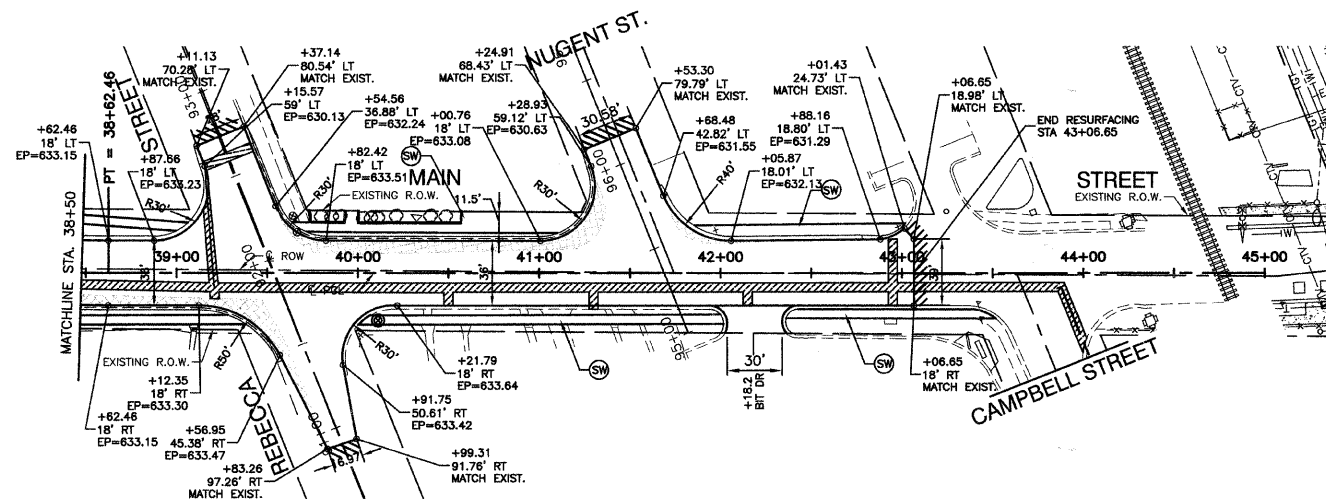
- HMA SURFACE REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- SHOULDER REMOVAL
- PAVEMENT REMOVAL
- COMB. CURB AND GUTTER REMOVAL
- PAVEMENT WIDENING
- CLASS D PATCHES
- 10' BUTT JOINTS
- P.C.C. SIDEWALK-5"
- TREE REMOVAL

**NOTES**

1. ALL HMA DRIVEWAYS SHALL CONSIST OF HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50-2", AND HOT-MIX ASPHALT BASE COURSE-6".
2. ALL PROPOSED COMBINATION CONCRETE CURB AND GUTTER SHALL BE TYPE B-6.24 UNLESS OTHERWISE NOTED.



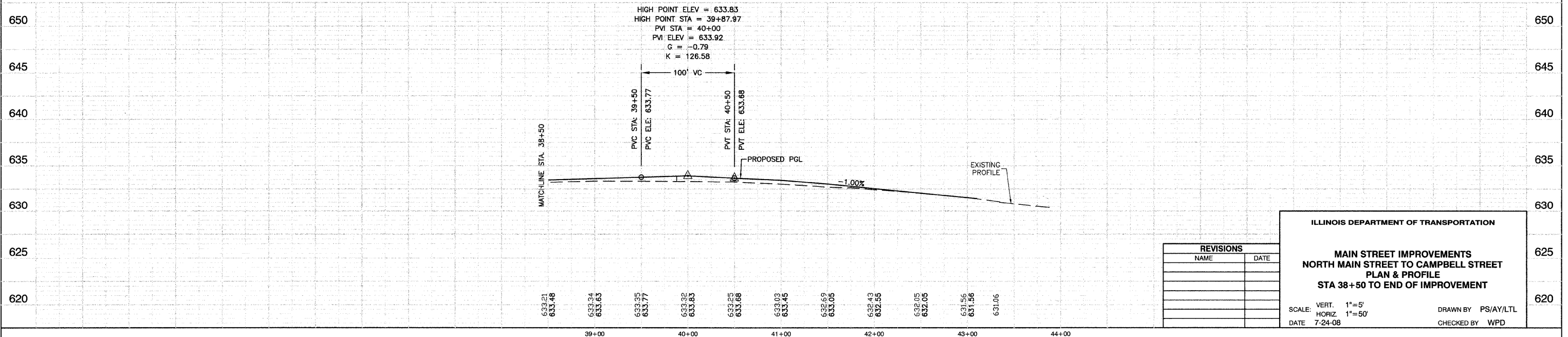
EXISTING CONDITIONS



PROPOSED IMPROVEMENTS

**BENCH MARK: #96**

N FLANGE OF HYD N SIDE GLENWOOD CHICAGO HEIGHTS RD  
BETWEEN GLENWOOD OAKS AND FOREST PRESERVE  
ELEVATION = 621.80



REVISIONS	
NAME	DATE

**ILLINOIS DEPARTMENT OF TRANSPORTATION**

**MAIN STREET IMPROVEMENTS  
NORTH MAIN STREET TO CAMPBELL STREET  
PLAN & PROFILE  
STA 38+50 TO END OF IMPROVEMENT**

SCALE: VERT. 1"=5'  
HORIZ 1"=50'

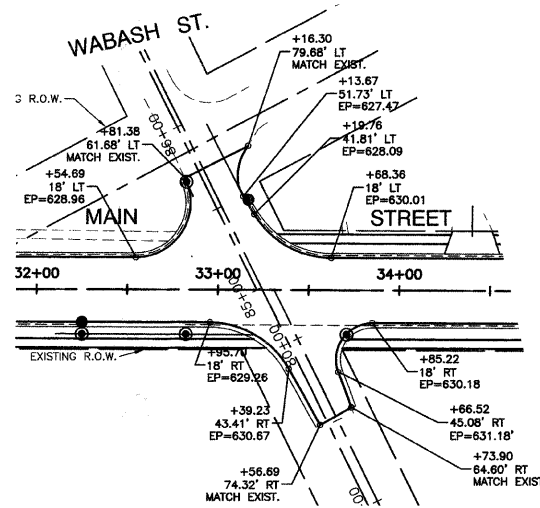
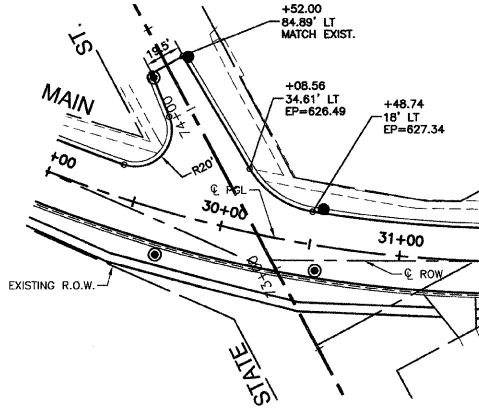
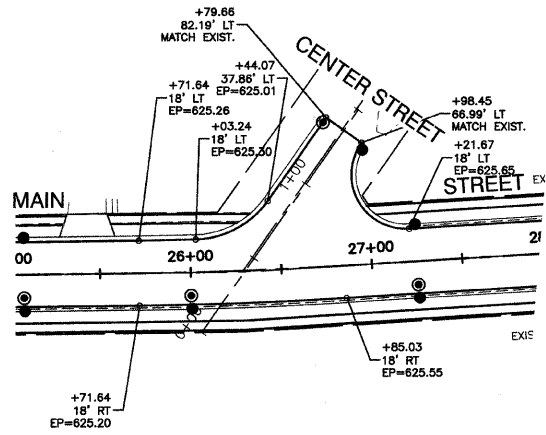
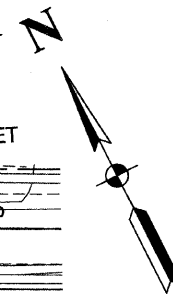
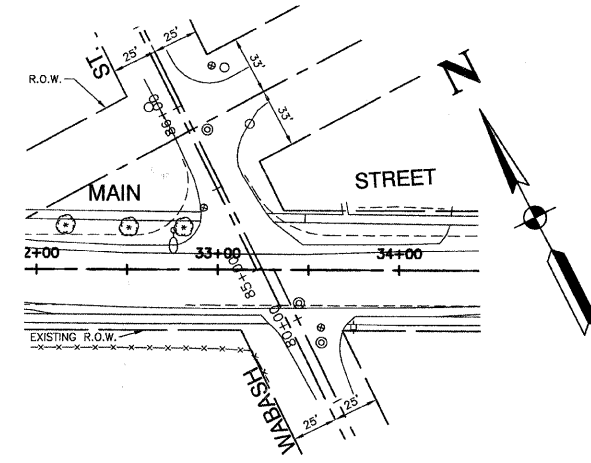
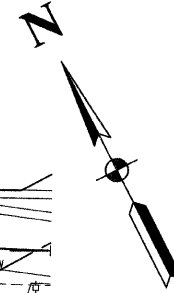
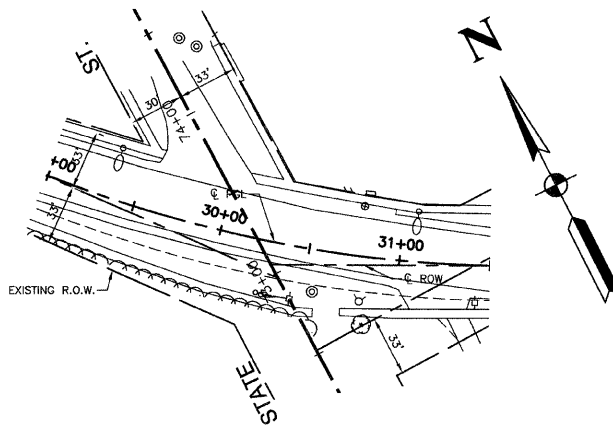
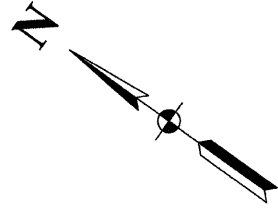
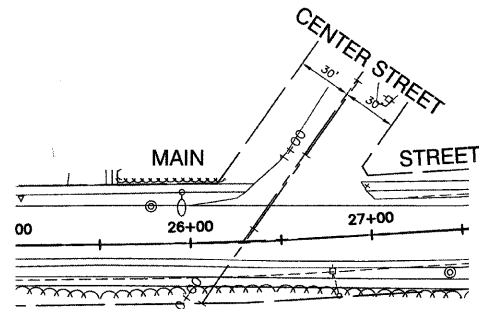
DATE 7-24-08

DRAWN BY PS/AY/LTL  
CHECKED BY WPD



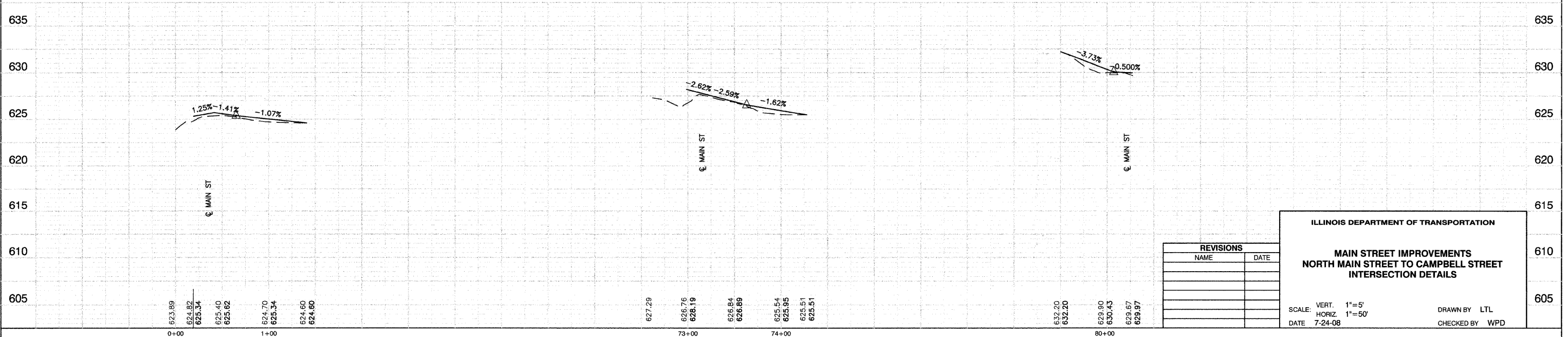
FAU R/E	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
3603	03-00049-00-FP	COOK	045	012
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT M8003 (559)	

CONTRACT #63078



BENCH MARK: #96

N FLANGE OF HYD N SIDE GLENWOOD CHICAGO HEIGHTS RD  
BETWEEN GLENWOOD OAKS AND FOREST PRESERVE  
ELEVATION = 621.80



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

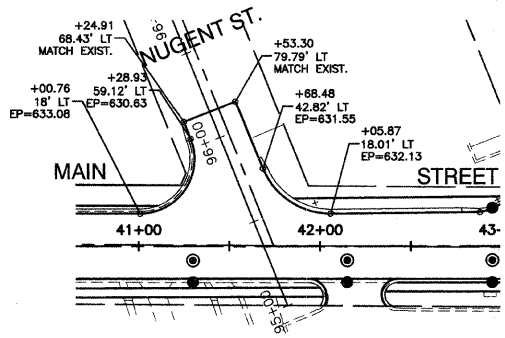
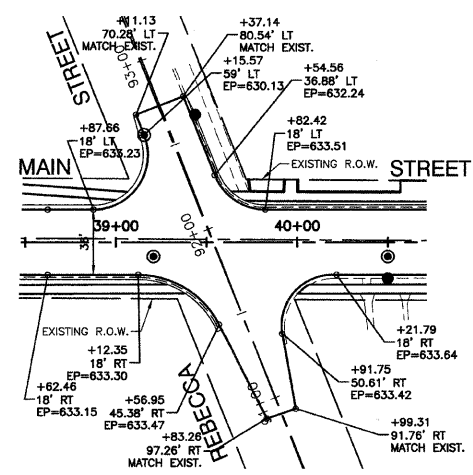
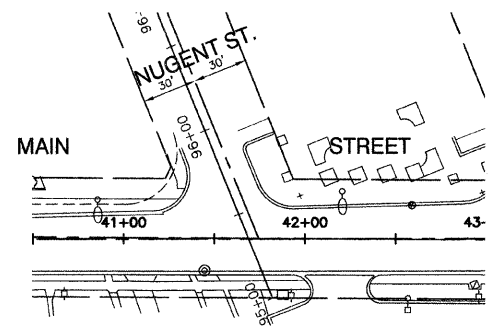
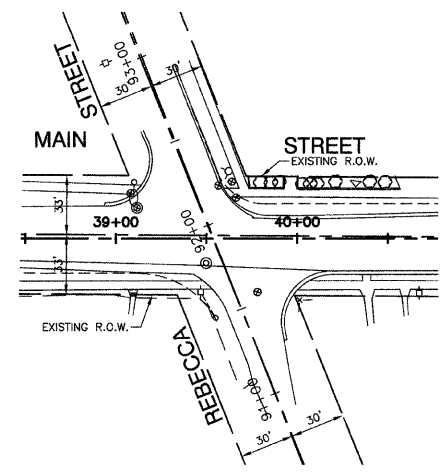
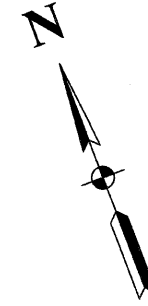
**MAIN STREET IMPROVEMENTS  
NORTH MAIN STREET TO CAMPBELL STREET  
INTERSECTION DETAILS**

SCALE: VERT. 1"=5'  
HORIZ. 1"=50'  
DATE 7-24-08

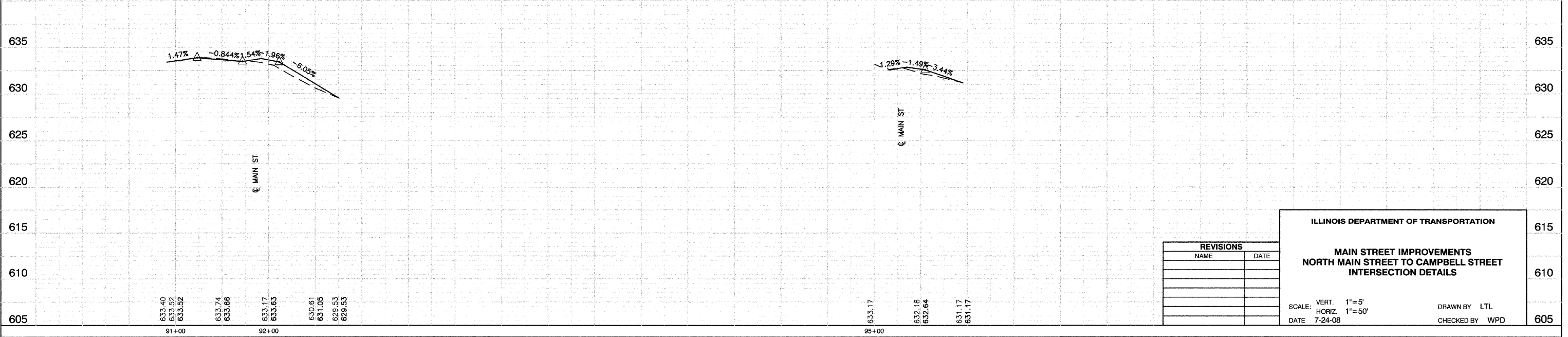
DRAWN BY LTL  
CHECKED BY WPD

FAU RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
3603	03-00048-00-FP	COOK	045	013
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT M8003 (559)	

CONTRACT #63078



**BENCH MARK: #96**  
 N FLANGE OF HYD N SIDE GLENWOOD CHICAGO HEIGHTS RD  
 BETWEEN GLENWOOD OAKS AND FOREST PRESERVE  
 ELEVATION = 621.80



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**MAIN STREET IMPROVEMENTS  
 NORTH MAIN STREET TO CAMPBELL STREET  
 INTERSECTION DETAILS**

SCALE: VERT. 1"=5'  
 HORIZ. 1"=50'  
 DATE 7-24-08

DRAWN BY LTL  
 CHECKED BY WPD

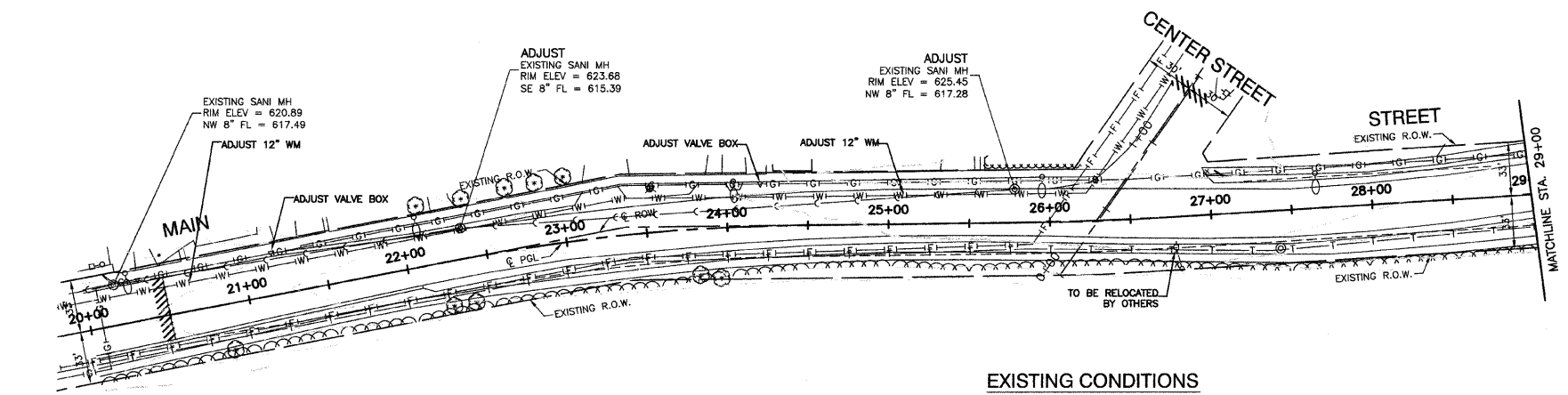
SECTION 4, TOWNSHIP 35, RANGE 14

FAU RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
3603	03-00049-00-PP	COOK	045	014
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT M8003 (559)	

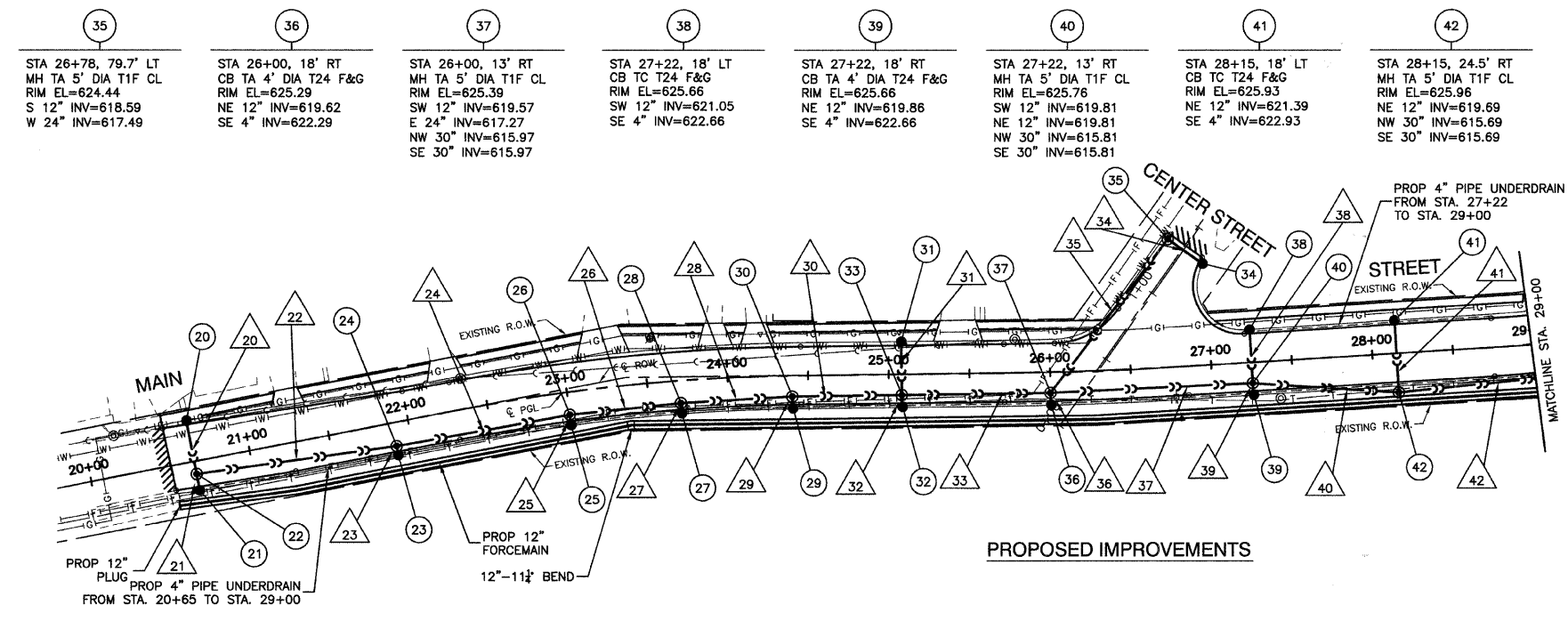
CONTRACT #63078

- 20 STA 20+65, 23.3' LT  
CB TC T24 F&G  
RIM EL=621.88  
SW 12" INV=617.18
- 21 STA 20+65, 15.9' RT  
CB TC T24 F&G  
RIM EL=622.03  
NE 12" INV=616.94  
SE 4" INV=619.03
- 22 STA 20+65, 8' RT  
MH TA 5' DIA T1F CL  
RIM EL=622.19  
SW 12" INV=616.87  
NE 12" INV=616.87  
SE 30" INV=616.67
- 23 STA 21+90, 18' RT  
CB TC T24 F&G  
RIM EL=623.26  
NE 12" INV=619.04  
SE 4" INV=620.26
- 24 STA 21+90, 14.5' RT  
MH TA 5' DIA T1F CL  
RIM EL=623.33  
SW 12" INV=619.00  
NW 30" INV=616.50  
SE 30" INV=616.50
- 25 STA 23+00, 18' RT  
CB TA 4' DIA T24 F&G  
RIM EL=624.10  
NE 12" INV=618.50  
SE 4" INV=621.10
- 26 STA 23+00, 14' RT  
MH TA 5' DIA T1F CL  
RIM EL=624.19  
SW 12" INV=618.46  
NW 30" INV=616.36  
SE 30" INV=616.36
- 27 STA 23+70, 18' RT  
CB TA 4' DIA T24 F&G  
RIM EL=624.56  
NE 12" INV=618.81  
SE 4" INV=621.56
- 28 STA 23+70, 14' RT  
MH TA 5' DIA T1F CL  
RIM EL=624.65  
SW 12" INV=618.77  
NW 30" INV=616.27  
SE 30" INV=616.27
- 29 STA 24+40, 18' RT  
CB TA 4' DIA T24 F&G  
RIM EL=624.81  
NE 12" INV=619.23  
SE 4" INV=621.81
- 30 STA 24+40, 13' RT  
MH TA 5' DIA T1F CL  
RIM EL=624.91  
SW 12" INV=619.18  
NW 30" INV=616.18  
SE 30" INV=616.18
- 31 STA 25+08, 18' LT  
CB TC T24 F&G  
RIM EL=625.36  
SW 12" INV=619.00  
SE 30" INV=616.50
- 32 STA 25+08, 18' RT  
CB TA 4' DIA T24 F&G  
RIM EL=625.01  
NE 12" INV=619.44  
SE 4" INV=622.01
- 33 STA 25+08, 13' RT  
MH TA 5' DIA T1F CL  
RIM EL=625.11  
SW 12" INV=619.39  
NE 12" INV=619.39  
NW 30" INV=616.09  
SE 30" INV=616.09
- 34 STA 26+97, 64.6' LT  
CB TC T24 F&G  
RIM EL=624.44  
N 12" INV=619.80

- 27 STA 23+70, 18' RT  
CB TA 4' DIA T24 F&G  
RIM EL=624.56  
NE 12" INV=618.81  
SE 4" INV=621.56
- 28 STA 23+70, 14' RT  
MH TA 5' DIA T1F CL  
RIM EL=624.65  
SW 12" INV=618.77  
NW 30" INV=616.27  
SE 30" INV=616.27
- 29 STA 24+40, 18' RT  
CB TA 4' DIA T24 F&G  
RIM EL=624.81  
NE 12" INV=619.23  
SE 4" INV=621.81
- 30 STA 24+40, 13' RT  
MH TA 5' DIA T1F CL  
RIM EL=624.91  
SW 12" INV=619.18  
NW 30" INV=616.18  
SE 30" INV=616.18
- 31 STA 25+08, 18' LT  
CB TC T24 F&G  
RIM EL=625.36  
SW 12" INV=619.00  
SE 30" INV=616.50
- 32 STA 25+08, 18' RT  
CB TA 4' DIA T24 F&G  
RIM EL=625.01  
NE 12" INV=619.44  
SE 4" INV=622.01
- 33 STA 25+08, 13' RT  
MH TA 5' DIA T1F CL  
RIM EL=625.11  
SW 12" INV=619.39  
NE 12" INV=619.39  
NW 30" INV=616.09  
SE 30" INV=616.09
- 34 STA 26+97, 64.6' LT  
CB TC T24 F&G  
RIM EL=624.44  
N 12" INV=619.80



EXISTING CONDITIONS



PROPOSED IMPROVEMENTS

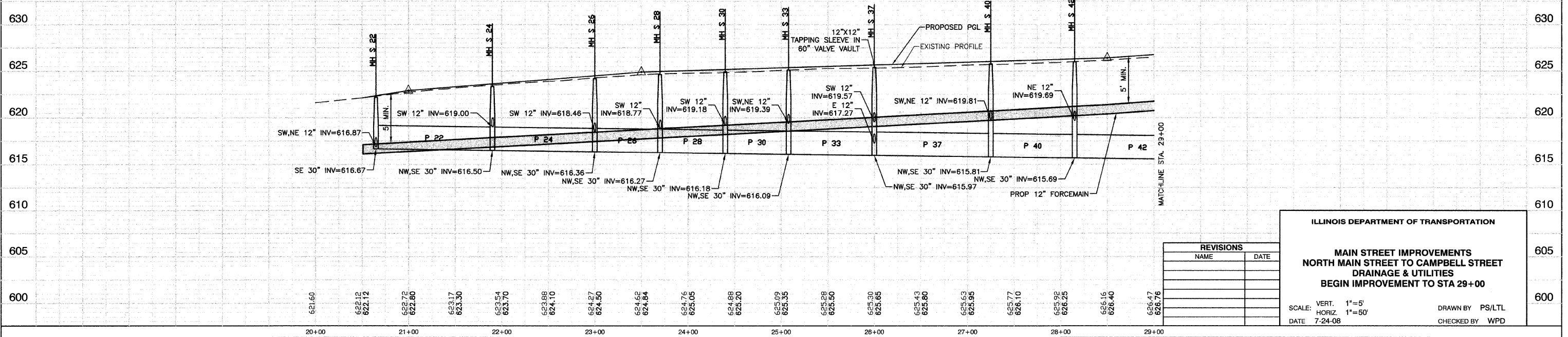
- 20 31'-12" SST2 @ 1.00% (8.1) (WMR)
- 21 7.85'-12" SST2 @ 1.00% (2.2)
- 22 125'-30" SST2 @ 0.13% (45.3)
- 23 3.5'-12" SST2 @ 1.00% (0.6)
- 24 110'-30" SST2 @ 0.13% (87.6)
- 25 4'-12" SST2 @ 1.00% (1.2)
- 26 70'-30" SST2 @ 0.13% (68.3)
- 27 4'-12" SST2 @ 1.00% (1.3)
- 28 70'-30" SST2 @ 0.13% (74.7)
- 29 5'-12" SST2 @ 1.00% (1.5)
- 30 68'-30" SST2 @ 0.13% (77.2)
- 31 31'-12" SST2 @ 3.00% (8.8) (WMR)
- 32 5'-12" SST2 @ 1.00% (1.5)
- 33 92'-30" SST2 @ 0.13% (110.6)
- 34 24.3'-12" SST2 @ 5.00% (6.5) (WMR)
- 35 121'-24" SST2 @ 0.18% (102.2) (WMR)
- 36 5'-12" SST2 @ 1.00% (1.6)
- 37 122'-30" SST2 @ 0.13% (160.4)
- 38 31'-12" SST2 @ 4.00% (8.6)
- 39 5'-12" SST2 @ 1.00% (1.6)
- 40 94'-30" SST2 @ 0.13% (132)
- 41 42.5'-12" SST2 @ 4.00% (12.3)
- 42 154.5'-30" SST2 @ 0.13% (144.7)

NOTES:

- ALL OFFSETS TO CURBLINE STRUCTURES ARE GIVEN TO THE EDGE OF PAVEMENT. ALL OTHER OFFSETS ARE GIVEN TO THE CENTER OF THE STRUCTURE.
- ALL RIM ELEVATIONS TO CURBLINE STRUCTURES ARE EDGE OF PAVEMENT ELEVATIONS.
- (WMR) DENOTES WATER MAIN REQUIREMENTS.
- (XX.X) DENOTES CUBIC YARDS TRENCH BACKFILL.
- SEE LIGHTING PLANS FOR STREET LIGHT RELOCATIONS.
- 4" PIPE UNDERDRAINS SHALL BE CONSTRUCTED AT ONE FOOT FROM THE BACK OF CURB AND THREE FEET DEEP.

BENCH MARK: #96

N FLANGE OF HYD N SIDE GLENWOOD CHICAGO HEIGHTS RD BETWEEN GLENWOOD OAKS AND FOREST PRESERVE ELEVATION = 621.80



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**MAIN STREET IMPROVEMENTS  
NORTH MAIN STREET TO CAMPBELL STREET  
DRAINAGE & UTILITIES  
BEGIN IMPROVEMENT TO STA 29+00**

SCALE: VERT. 1"=5'  
HORIZ. 1"=50'

DATE 7-24-08

DRAWN BY PS/LTL  
CHECKED BY WPD

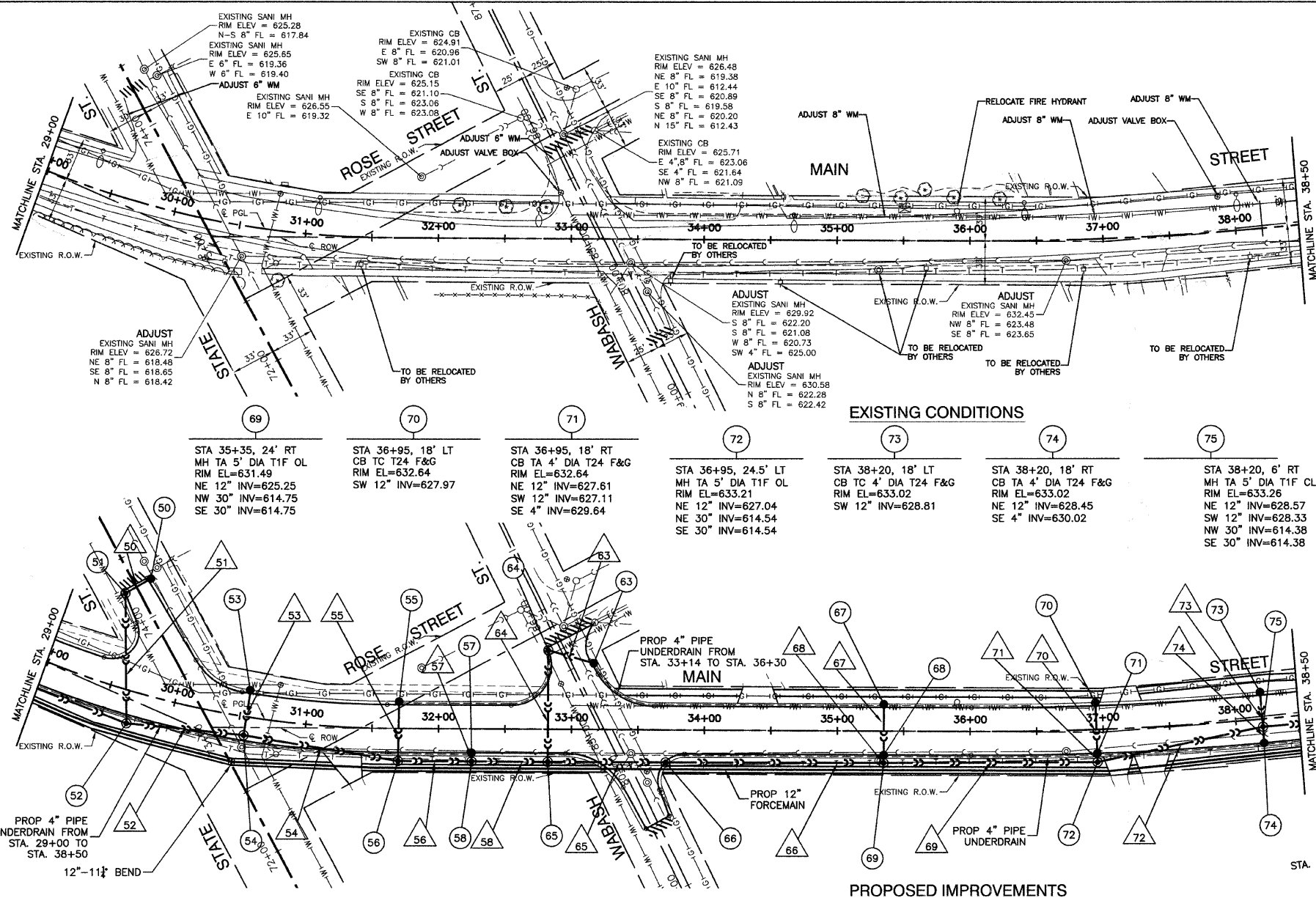
SECTION 3, TOWNSHIP 35, RANGE 14

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
3603	03-00049-00-FP	COOK	045	015
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT M8003 (559)	

CONTRACT #63078

50	STA 29+54, 83.7' LT CB TC T24 F&G RIM EL=625.30 W 12" INV=620.52
51	STA 29+39, 68.7' LT MH TA 5' DIA T24F&G RIM EL=625.36 E 12" INV=619.47 SW 24" INV=618.47
52	STA 29+70, 24.5' RT MH TA 5' DIA T1F CL RIM EL=627.53 NE 24" INV=618.29 N 30" INV=615.49 SE 30" INV=615.49
53	STA 30+56, 18' LT CB TC T24 F&G RIM EL=627.39 SW 12" INV=622.66
54	STA 30+56, 14' RT MH TA 5' DIA T1F CL RIM EL=628.28 NE 12" INV=621.38 NW 30" INV=615.38 SE 30" INV=615.38
55	STA 31+70, 18' LT CB TC T24 F&G RIM EL=628.35 SW 12" INV=623.93 SE 4" INV=625.35
56	STA 31+70, 24.5' RT MH TA 5' DIA T1F OL RIM EL=628.70 NE 12" INV=622.23 NW 30" INV=615.23 SE 30" INV=615.23
57	STA 32+25, 18' RT CB TA 4' DIA T24 F&G RIM EL=628.91 SW 12" INV=623.22

58	STA 32+25, 24.5' RT MH TA 5' DIA T1F OL RIM EL=629.06 NE 12" INV=623.15 NW 30" INV=615.15 SE 30" INV=615.15
63	STA 33+14, 51.7' LT CB TC T24 F&G RIM EL=627.47 NW 12" INV=622.02 SE 4" INV=624.47
64	STA 32+82, 24.5' RT MH TA 5' DIA T1F OL RIM EL=628.84 NE 24" INV=617.58 NW 30" INV=615.08 SE 30" INV=615.08
65	STA 32+82, 24.5' RT MH TA 5' DIA T1F OL RIM EL=628.84 NE 24" INV=617.58 NW 30" INV=615.08 SE 30" INV=615.08
66	STA 33+17, 24.4' RT MH TA 5' DIA T24F F&G RIM EL=629.27 NW 30" INV=614.97 SE 30" INV=614.97
67	STA 35+35, 18' LT CB TA 4' DIA T24 F&G RIM EL=631.76 SW 12" INV=627.17 SE 4" INV=628.76
68	STA 35+35, 18' RT CB TA 4' DIA T24 F&G RIM EL=631.72 NE 12" INV=626.81 SW 12" INV=625.31 SE 4" INV=628.72

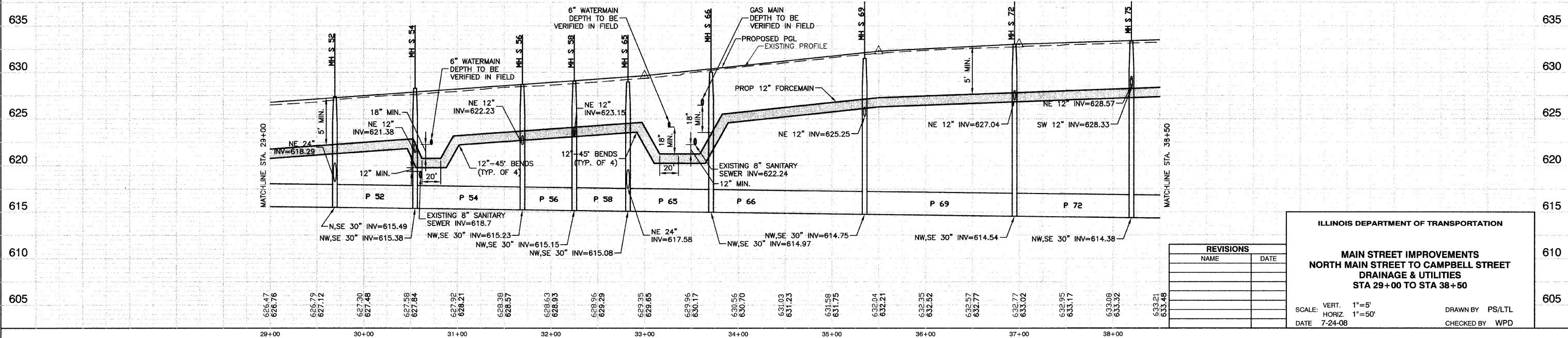


50	21'-12" SST2 @ 5.00% (5.9) (WMR)	65	88'-30" SST3 @ 0.13% (154.3)
51	98'-24" SST2 @ 0.18% (51.0) (WMR)	66	164.5'-30" SST3 @ 0.13% (27.4)
52	87'-30" SST2 @ 0.13% (148.2)	67	36'-12" SST2 @ 0.13% (7.7) (WMR)
53	32'-12" SST2 @ 4.00% (10.2)	68	6'-12" SST2 @ 1.00% (.8)
54	114.5'-30" SST3 @ 0.13% (231.3)	69	160'-30" SST3 @ 0.13% (0)
55	42.5'-12" SST2 @ 4.00% (11.4)	70	36'-12" SST2 @ 1.00% (7.7) (WMR)
56	55'-30" SST3 @ 0.13% (0)	71	6.5'-12" SST2 @ 1.00% (.7)
57	6.5'-12" SST2 @ 1.00% (.6)	72	127'-30" SST4 @ 0.13% (427.5)
58	57.5'-30" SST3 @ 0.13% (0)	73	24'-12" SST2 @ 1.00% (4.13) (WMR)
63	32.5'-12" SST2 @ 4.00% (8.3) (WMR)	74	12'-12" SST2 @ 1.00% (2.07)
64	84'-24" SST2 @ 0.18% (115.7) (WMR)		

**NOTES:**

- ALL OFFSETS TO CURBLINE STRUCTURES ARE GIVEN TO THE EDGE OF PAVEMENT. ALL OTHER OFFSETS ARE GIVEN TO THE CENTER OF THE STRUCTURE.
- ALL RIM ELEVATIONS TO CURBLINE STRUCTURES ARE EDGE OF PAVEMENT ELEVATIONS.
- (WMR) DENOTES WATER MAIN REQUIREMENTS.
- (XX.X) DENOTES CUBIC YARDS TRENCH BACKFILL.
- SEE LIGHTING PLANS FOR STREET LIGHT RELOCATIONS.
- 4" PIPE UNDERDRAINS SHALL BE CONSTRUCTED AT ONE FOOT FROM THE BACK OF CURB AND THREE FEET DEEP.

**BENCH MARK: #96**  
N FLANGE OF HYD N SIDE GLENWOOD CHICAGO HEIGHTS RD BETWEEN GLENWOOD OAKS AND FOREST PRESERVE ELEVATION = 621.80



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**MAIN STREET IMPROVEMENTS  
NORTH MAIN STREET TO CAMPBELL STREET  
DRAINAGE & UTILITIES  
STA 29+00 TO STA 38+50**

SCALE: VERT. 1"=5'  
HORIZ. 1"=50'

DATE 7-24-08

DRAWN BY PS/LTL  
CHECKED BY WPD

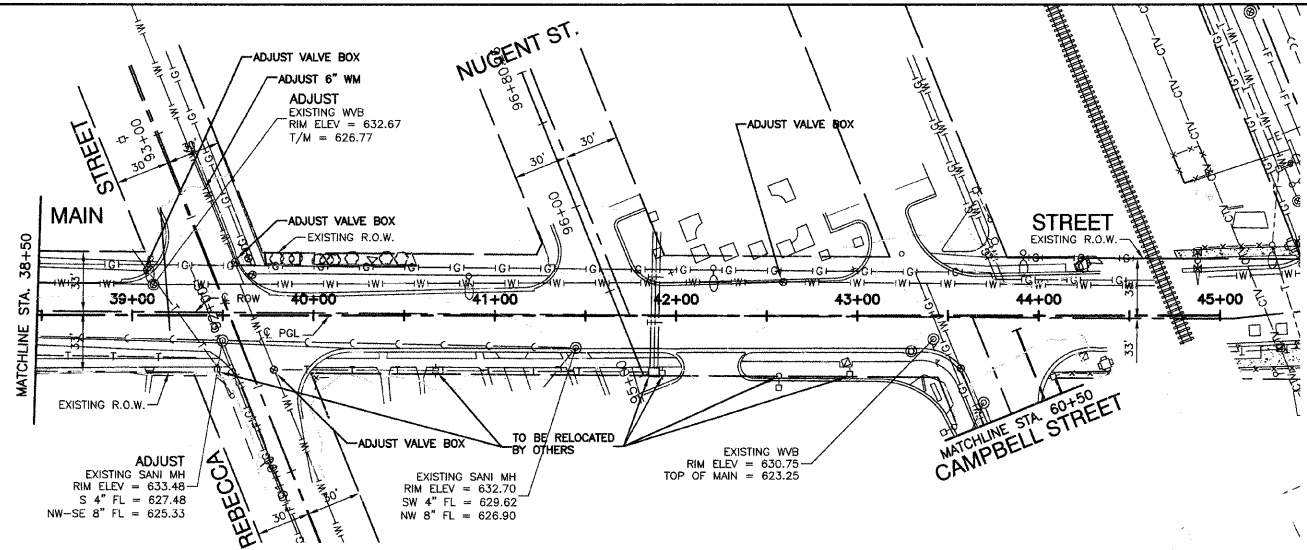
SECTION 3, TOWNSHIP 35, RANGE 14

FAU R/E	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
3603	03-00049-00-FP	COOK	045	016
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT M8003 (559)		

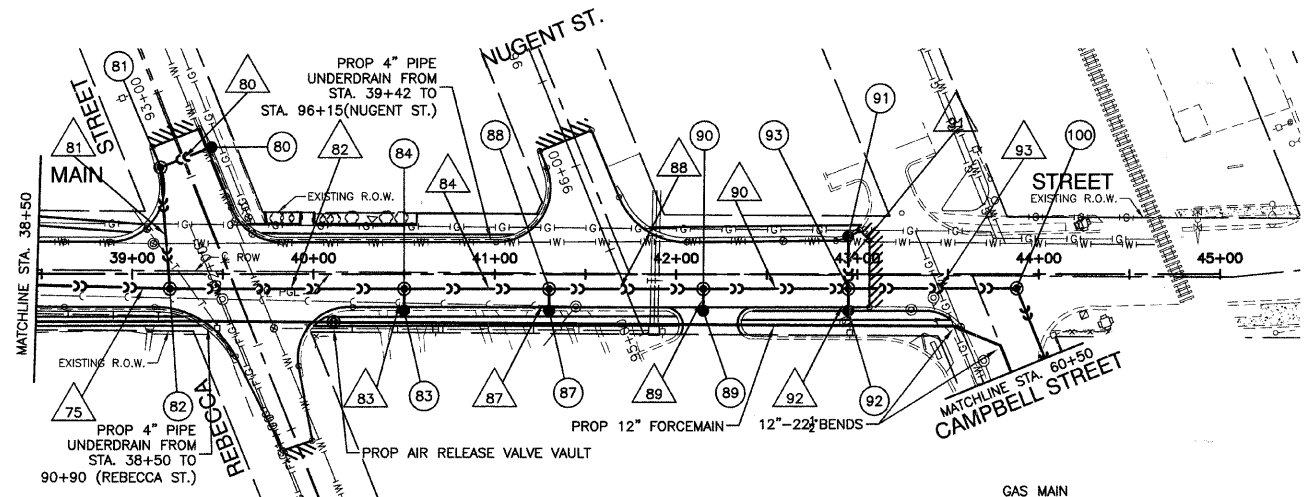
CONTRACT #63078

- 80 STA 39+42, 69.4' LT  
CB TA 4" DIA T24 F&G  
RIM EL=630.06  
W 12" INV=625.09  
SE 4" INV=627.06
- 81 STA 39+16, 59' LT  
MH TA 5" DIA T24F&G  
RIM EL=630.10  
E 12" INV=623.97  
SW 24" INV=620.77
- 82 STA 39+21, 8' RT  
MH TA 5" DIA T1F CL  
RIM EL=633.53  
NE 24" INV=620.64  
NW 30" INV=614.25  
SE 36" INV=614.25
- 83 STA 40+50, 18' RT  
CB TA 4" DIA T23 F&G  
RIM EL=633.50  
NE 12" INV=627.98
- 84 STA 40+50, 8' RT  
MH TA 5" DIA T1F CL  
RIM EL=633.60  
SW 12" INV=627.88  
NW 36" INV=614.08  
SE 36" INV=614.08
- 87 STA 14+30, 18' RT  
CB TA 4" DIA T23 F&G  
RIM EL=633.03  
NE 12" INV=626.08
- 88 STA 41+30, 8' RT  
MH TA 5" DIA T1F CL  
RIM EL=633.13  
SW 12" INV=625.98  
NW 36" INV=613.98  
SE 36" INV=613.98

- 89 STA 42+15, 18' RT  
CB TA 4" DIA T23 F&G  
RIM EL=632.22  
NE 12" INV=626.47
- 90 STA 42+15, 8' RT  
MH TA 5" DIA T1F CL  
RIM EL=632.32  
SW 12" INV=626.37  
NW 36" INV=613.87  
SE 36" INV=613.87
- 91 STA 42+95, 18' LT  
CB TA 4" DIA T24 F&G  
RIM EL=631.25  
SW 12" INV=628.20
- 92 STA 42+95, 18' RT  
CB TA 4" DIA T23 F&G  
RIM EL=631.43  
NE 12" INV=625.86
- 93 STA 42+95, 8' RT  
MH TA 5" DIA T1F CL  
RIM EL=631.53  
NE 12" INV=626.76  
SW 12" INV=625.76  
NW 36" INV=613.76  
SE 36" INV=613.76
- 100 STA 43+88, 7.7' RT  
MH TA 5" DIA T1F CL  
RIM EL=630.40  
NW 36" INV=613.84  
S 36" INV=613.84



EXISTING CONDITIONS



PROPOSED IMPROVEMENTS

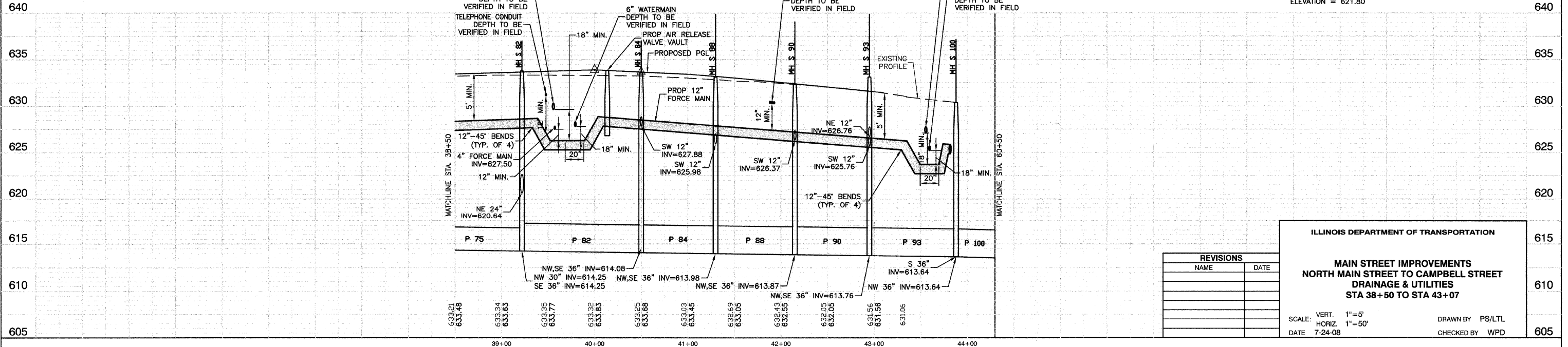
- 75 101'-30" SST4 @ 0.13% (0)
- 80 28'-12" SST2 @ 4.00% (8.4) (WMR)
- 81 67'-24" SST2 @ 0.20% (98)
- 82 129'-36" SST4 @ 0.13% (492)
- 83 10'-12" SST2 @ 1.00% (3)
- 84 80'-36" SST4 @ 0.13% (280.2)
- 87 10'-12" SST2 @ 1.00% (7)
- 88 85'-36" SST4 @ 0.13% (286.1)
- 89 10'-12" SST2 @ 1.00% (3.2)
- 90 80'-36" SST3 @ 0.13% (258.5)
- 91 36'-12" SST1 @ 4.00% (4.8) (WMR)
- 92 10'-12" SST2 @ 1.00% (3)
- 93 92.86'-36" SST3 @ 0.13% (279.1)

NOTES:

- ALL OFFSETS TO CURBLINE STRUCTURES ARE GIVEN TO THE EDGE OF PAVEMENT. ALL OTHER OFFSETS ARE GIVEN TO THE CENTER OF THE STRUCTURE.
- ALL RIM ELEVATIONS TO CURBLINE STRUCTURES ARE EDGE OF PAVEMENT ELEVATIONS.
- (WMR) DENOTES WATER MAIN REQUIREMENTS.
- (XX.X) DENOTES CUBIC YARDS TRENCH BACKFILL.
- SEE LIGHTING PLANS FOR STREET RELOCATIONS.
- 4" PIPE UNDERDRAINS SHALL BE CONSTRUCTED AT ONE FOOT FROM THE BACK OF CURB AND THREE FEET DEEP.

BENCH MARK: #96

N FLANGE OF HYD N SIDE GLENWOOD CHICAGO HEIGHTS RD BETWEEN GLENWOOD OAKS AND FOREST PRESERVE ELEVATION = 621.80



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**MAIN STREET IMPROVEMENTS**  
**NORTH MAIN STREET TO CAMPBELL STREET**  
**DRAINAGE & UTILITIES**  
**STA 38+50 TO STA 43+07**

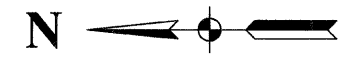
SCALE: VERT. 1"=5'  
 HORIZ. 1"=50'  
 DATE 7-24-08  
 DRAWN BY PS/LTL  
 CHECKED BY WPD



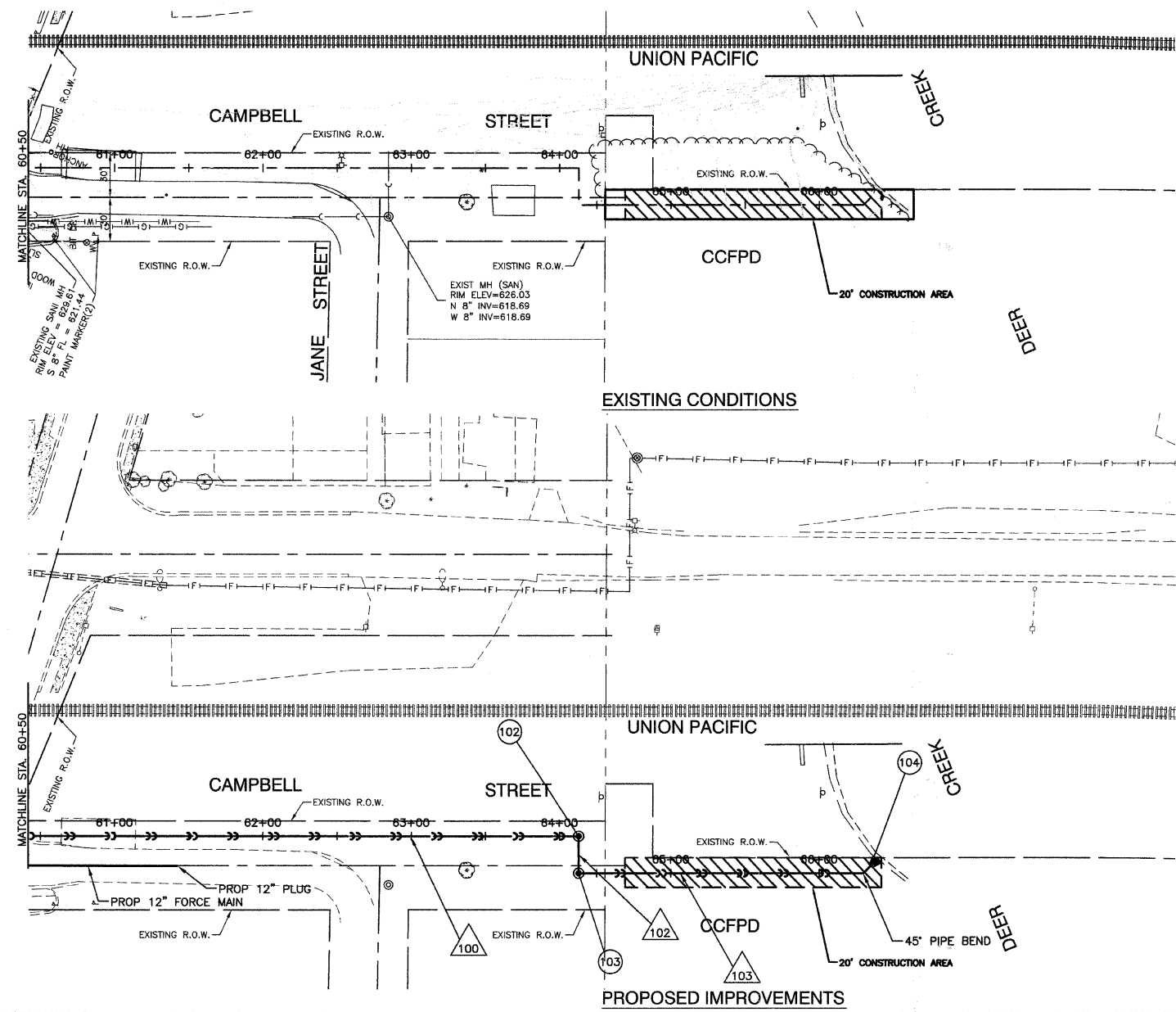
SECTION 3, TOWNSHIP 35, RANGE 14

FAU R/E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
3603	03-00049-00-FP	COOK	045	017
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M8003 (559)		

CONTRACT #63078



- 102  
STA 64+21  
MH TA 5' DIA T1F CL  
RIM EL=625.00  
N 36" INV=613.11  
E 36" INV=613.11
- 103  
STA 64+61  
MH TA 5' DIA T1F CL  
RIM EL=625.00  
W 36" INV=613.05  
S 36" INV=613.05
- 104  
STA 66+25  
30" RCP FES W/GRATE  
N 36" INV=612.84



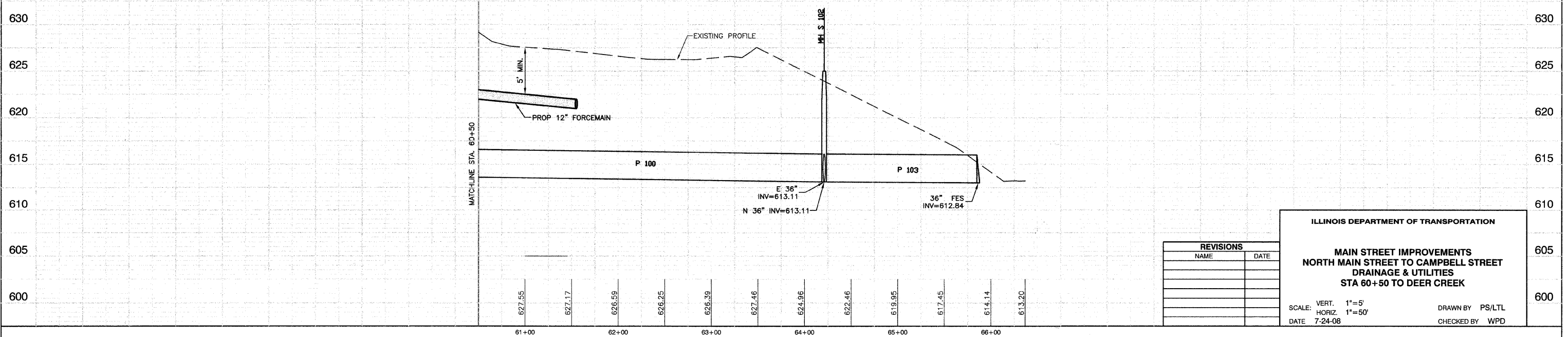
- 100 413'-36" SST3 @ 0.13% (95)
- 102 25'-36" SST2 @ 0.13% (0)
- 103 202'-36" SST2 @ 0.13% (0)

NOTES:

1. ALL OFFSETS TO CURBLINE STRUCTURES ARE GIVEN TO THE EDGE OF PAVEMENT. ALL OTHER OFFSETS ARE GIVEN TO THE CENTER OF THE STRUCTURE.
2. ALL RIM ELEVATIONS TO CURBLINE STRUCTURES ARE EDGE OF PAVEMENT ELEVATIONS.
3. (WMR) DENOTES WATER MAIN REQUIREMENTS.
4. (XX.X) DENOTES CUBIC YARDS TRENCH BACKFILL.
5. SEE LIGHTING PLANS FOR STREET LIGHT RELOCATIONS.

BENCH MARK: #96

N FLANGE OF HYD N SIDE GLENWOOD CHICAGO HEIGHTS RD BETWEEN GLENWOOD OAKS AND FOREST PRESERVE ELEVATION = 621.80



REVISIONS	
NAME	DATE

**ILLINOIS DEPARTMENT OF TRANSPORTATION**

**MAIN STREET IMPROVEMENTS  
NORTH MAIN STREET TO CAMPBELL STREET  
DRAINAGE & UTILITIES  
STA 60+50 TO DEER CREEK**

SCALE: VERT. 1"=5'  
HORIZ. 1"=50'  
DATE 7-24-08

DRAWN BY PS/LTL  
CHECKED BY WPD

CONTRACT #63078

STRUCTURE SCHEDULE

LOCATION				CATCH BASINS			MANHOLES				PRC FLARED END SECTIONS
STRUCTURE NO.	STATION	OFFSET		TA 4'DIA T23F&G	TA 4'DIA T24F&G	TC T24F&G	TA 5'DIA TIF OL	TA 5'DIA TIF CL	TA 5'DIA FLAT SLAB TIF CL	TA 5'DIA T24F&G	36" W/GRATE
20	20+65	23.3	FT/RT			1					
21	20+65	15.9	FT/RT			1					
22	20+65	8.0	FT/RT						1		
23	21+90	18.0	FT/RT			1					
24	21+90	14.5	FT/RT					1			
25	23+00	18.0	FT/RT		1						
26	23+00	14.0	FT/RT					1			
27	23+70	18.0	FT/RT		1						
28	23+70	14.0	FT/RT					1			
29	24+40	18.0	FT/RT		1						
30	24+40	13.0	FT/RT					1			
31	25+08	18.0	FT/RT			1					
32	25+08	18.0	FT/RT		1						
33	25+08	13.0	FT/RT					1			
34	26+97	64.6	FT/RT			1					
35	26+78	79.7	FT/RT							1	
36	26+00	18.0	FT/RT		1						
37	26+00	13.0	FT/RT					1			
38	27+22	18.0	FT/RT			1					
39	27+22	18.0	FT/RT		1						
40	27+22	13.0	FT/RT					1			
41	28+15	18.0	FT/RT			1					
42	28+15	24.5	FT/RT					1			
50	29+54	83.7	FT/RT			1					
51	29+39	68.7	FT/RT							1	
52	29+70	24.5	FT/RT					1			
53	30+56	18.0	FT/RT			1					
54	30+56	14.0	FT/RT					1			
55	31+70	18.0	FT/RT			1					
56	31+70	24.5	FT/RT				1				
57	32+25	18.0	FT/RT		1						
58	32+25	24.5	FT/RT				1				
63	33+14	51.7	FT/RT			1					
64	32+82	59.6	FT/RT						1		
65	32+82	24.5	FT/RT				1				
66	33+71	24.4	FT/RT						1		
67	35+35	18.0	FT/RT			1					
68	35+35	18.0	FT/RT		1						
69	35+35	24.0	FT/RT				1				
70	36+95	18.0	FT/RT			1					
71	36+95	18.0	FT/RT		1						
72	36+95	24.5	FT/RT				1				
73	38+20	18.0	FT/RT			1					
74	38+20	18.0	FT/RT		1						
75	38+20	6.0	FT/RT					1			
80	39+42	69.4	FT/RT			1					
81	39+16	59.0	FT/RT						1		
82	39+21	8.0	FT/RT					1			
83	40+50	18.0	FT/RT	1							
84	40+50	8.0	FT/RT					1			
87	41+30	18.0	FT/RT	1							
88	41+30	8.0	FT/RT					1			
89	42+15	18.0	FT/RT	1							
90	42+15	8.0	FT/RT					1			
91	42+95	18.0	FT/RT			1					
92	42+95	18.0	FT/RT	1							
93	42+95	8.0	FT/RT					1			
100	43+88	7.7	FT/RT						1		
102	64+21	0.0	FT/RT						1		
103	64+61	0.0	FT/RT						1		
104	66+25	0.0	FT/RT							1	
TOTAL				4	10	16	3	20	2	5	1

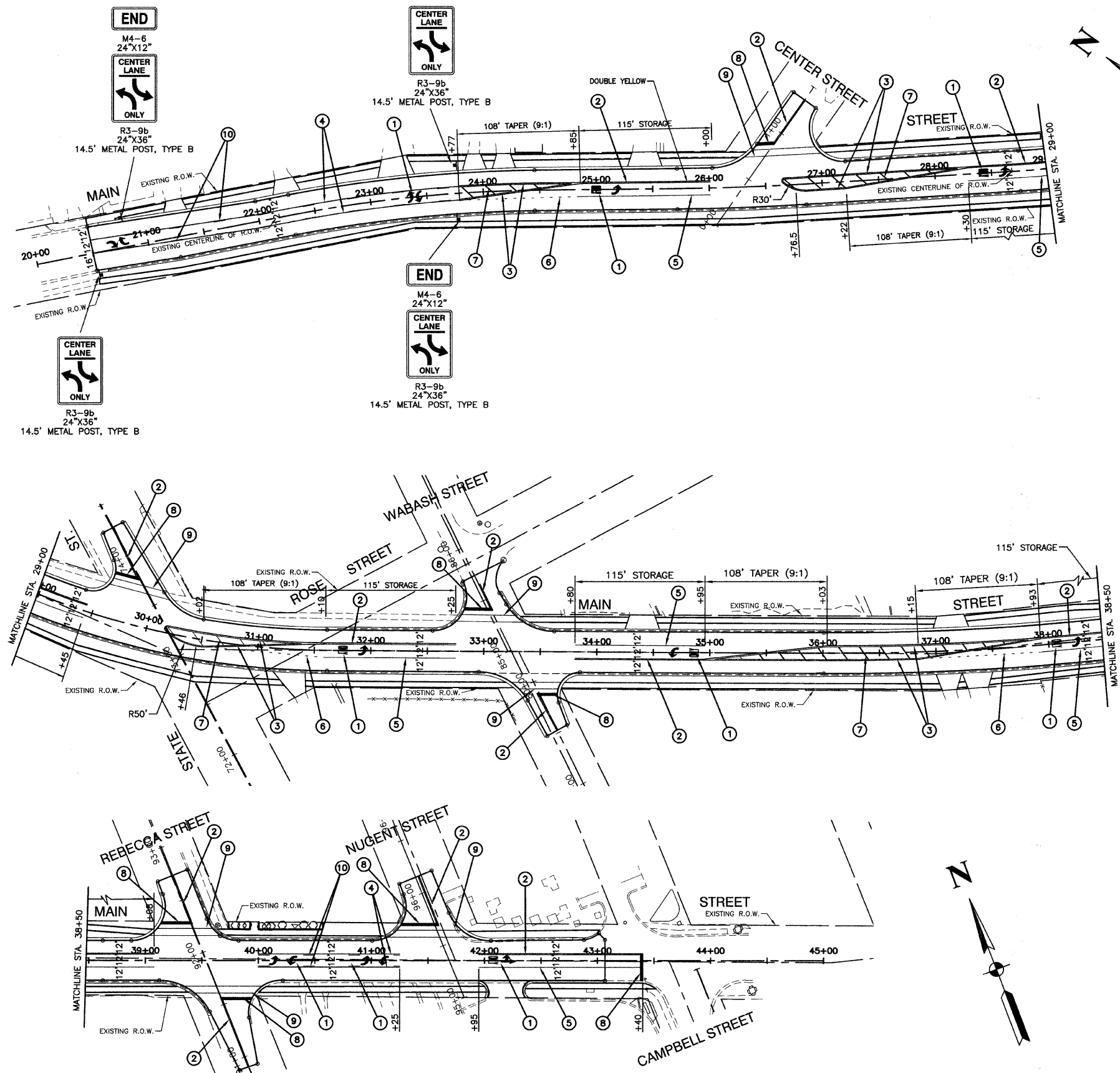
PIPE SCHEDULE

LOCATION										SS T2 RCP				SS T3 RCP		SS T4 RCP		SS (WMR) DIP		CU. YDS.
PIPE NO.	STATION	OFFSET				PIPE NO.	STATION	OFFSET				CLASS III				CLASS IV		CLASS IV		TRENCH BACKFILL
20	20+65	23.3	FT/RT	TO	22	20+65	8.0	FT	RT	12	24	30	36	30	36	30	36	31.3	24	8.05
21	20+65	15.9	FT/RT	TO	22	20+65	8.0	FT	RT	7.9										2.18
22	20+65	8.0	FT/RT	TO	24	21+90	14.5	FT	RT			125.0								45.25
23	21+90	18.0	FT/RT	TO	24	21+90	14.5	FT	RT	3.5										0.60
24	21+90	14.5	FT/RT	TO	26	23+00	14.0	FT	RT			110.0								87.56
25	23+00	18.0	FT/RT	TO	26	23+00	14.0	FT	RT	4.0										1.20
26	23+00	14.0	FT/RT	TO	28	23+70	14.0	FT	RT			70.0								68.32
27	23+70	18.0	FT/RT	TO	28	23+70	14.0	FT	RT	4.0										1.28
28	23+70	14.0	FT/RT	TO	30	24+40	13.0	FT	RT			70.0								74.69
29	24+40	18.0	FT/RT	TO	30	24+40	13.0	FT	RT	5.0										1.50
30	24+40	13.0	FT/RT	TO	33	25+08	13.0	FT	RT			68.0								77.20
31	25+08	18.0	FT/RT	TO	33	25+08	13.0	FT	RT									31.0		8.80
32	25+08	18.0	FT/RT	TO	33	25+08	13.0	FT	RT	5.0										1.50
33	25+08	13.0	FT/RT	TO	37	26+00	13.0	FT	RT			92.0								110.58
34	26+97	64.6	FT/RT	TO	35	26+78	79.7	FT	RT									24.3		6.50
35	26+78	79.7	FT/RT	TO	37	26+00	13.0	FT	RT									120.8		102.23
36	26+00	18.0	FT/RT	TO	37	26+00	13.0	FT	RT	5.0										1.60
37	26+00	13.0	FT/RT	TO	40	27+22	13.0	FT	RT			122.0								160.40
38	27+22	18.0	FT/RT	TO	40	27+22	13.0	FT	RT	31.0										8.60
39	27+22	18.0	FT/RT	TO	40	27+22	13.0	FT	RT	5.0										1.60
40	27+22	13.0	FT/RT	TO	42	28+15	24.5	FT	RT			93.7								132.00
41	28+15	18.0	FT/RT	TO	42	28+15	24.5	FT	RT	42.5										12.30
42	28+15	24.5	FT/RT	TO	52	29+70	24.5	FT	RT			154.5								144.72
50	29+54	83.7	FT/RT	TO	51	29+39	68.7	FT	RT									21.1		5.86
51	29+39	68.7	FT/RT	TO	52	29+70	24.5	FT	RT										98.1	50.99
52	29+70	24.5	FT/RT	TO	54	30+56	14.0	FT	RT			87.1								148.15
53	30+56	18.0	FT/RT	TO	54	30+56	14.0	FT	RT	32.0										10.24
54	30+56	14.0	FT/RT	TO	56	31+70	24.5	FT	RT				114.5							231.33
55	31+70	18.0	FT/RT	TO	56	31+70	24.5	FT	RT	42.5				114.5						11.40
56	31+70	24.5	FT/RT	TO	58	32+25	24.5	FT	RT					55.0						
57	32+25	18.0	FT/RT	TO	58	32+25	24.5	FT	RT	6.5										0.64
58	32+25	24.5	FT/RT	TO	65	32+82	24.5	FT	RT					57.3						
63	33+14	51.7	FT/RT	TO	64	32+82	59.6	FT	RT									32.3		8.30
64	32+82	59.6	FT/RT	TO	65	32+82	24.5	FT	RT										84.1	115.67
65	32+82	24.5	FT/RT	TO	66	33+71	24.4	FT	RT					88.2						154.31
66	33+71	24.4	FT/RT	TO	69	35+35	24.0	FT	RT					164.4						27.35
67	35+35	18.0	FT/RT	TO	68	35+35	18.0	FT	RT									36.0		7.74
68	35+35	18.0	FT/RT	TO	69	35+35	24.0	FT	RT	6.0										0.77
69	35+35	24.0	FT/RT	TO	72	36+95	24.5	FT	RT					160.0						
70	36+95	18.0	FT/RT	TO	71	36+95	18.0	FT	RT									36.0		7.74
71	36+95	18.0	FT/RT	TO	72	36+95	24.5	FT	RT	6.5										0.88
72	36+95	24.5	FT/RT	TO	75	38+20	24.5	FT	RT								127.0			427.50
73	38+20	18.0	FT/RT	TO	74	38+20	18.0	FT	RT									24.0		4.13
74	38+20	18.0	FT/RT	TO	75	38+20	6.0	FT	RT	12.0										2.07
75	38+20	6.0	FT/RT	TO	82	39+21	8.0	FT	RT								101.0			346.83
80	39+42	69.4	FT/RT	TO	81	39+16	59.0	FT	RT									28.0		8.38
81	39+16	59.0	FT/RT	TO	82	39+21	8.0	FT	RT			67.0								98.03
82	39+21	8.0	FT/RT	TO	84	40+50	8.0	FT	RT									129.0		492.00
83	40+50	18.0	FT/RT	TO	84	40+50	8.0	FT	RT	10.0										2.99
84	40+50	8.0	FT/RT	TO	8															



FAU RTR.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3603	03-00049-00-FP	COOK	045	019
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT MB003 (559)	

CONTRACT #63078



**PAVEMENT MARKING LEGEND**

- ① WHITE LETTERS & SYMBOLS
- ② DOUBLE 4" YELLOW CENTERLINE (11" C/C)
- ③ DOUBLE YELLOW MEDIAN OUTLINE (11" C/C)
- ④ 4" YELLOW LINE
- ⑤ 6" WHITE LANE LINE
- ⑥ 6" WHITE SKIP-DASH LINE (2' LINE - 6' SPACE)
- ⑦ 12" YELLOW DIAGONAL LINE (20' C/C)
- ⑧ 24" WHITE STOP BAR
- ⑨ 6" WHITE CROSSWALK (6' C/C)
- ⑩ 4" YELLOW SKIP - DASH LINE (10' LINE - 30' SPACE)

**NOTES:**

1. ALL MARKINGS SHALL BE THERMOPLASTIC EXCEPT AS NOTED.
2. ALL EXISTING SIGNS SHALL BE RELOCATED AS NECESSARY. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE CONTRACT.

**BENCH MARK: #96**

N FLANGE OF HYD N SIDE GLENWOOD CHICAGO HEIGHTS RD BETWEEN GLENWOOD OAKS AND FOREST PRESERVE ELEVATION = 621.80

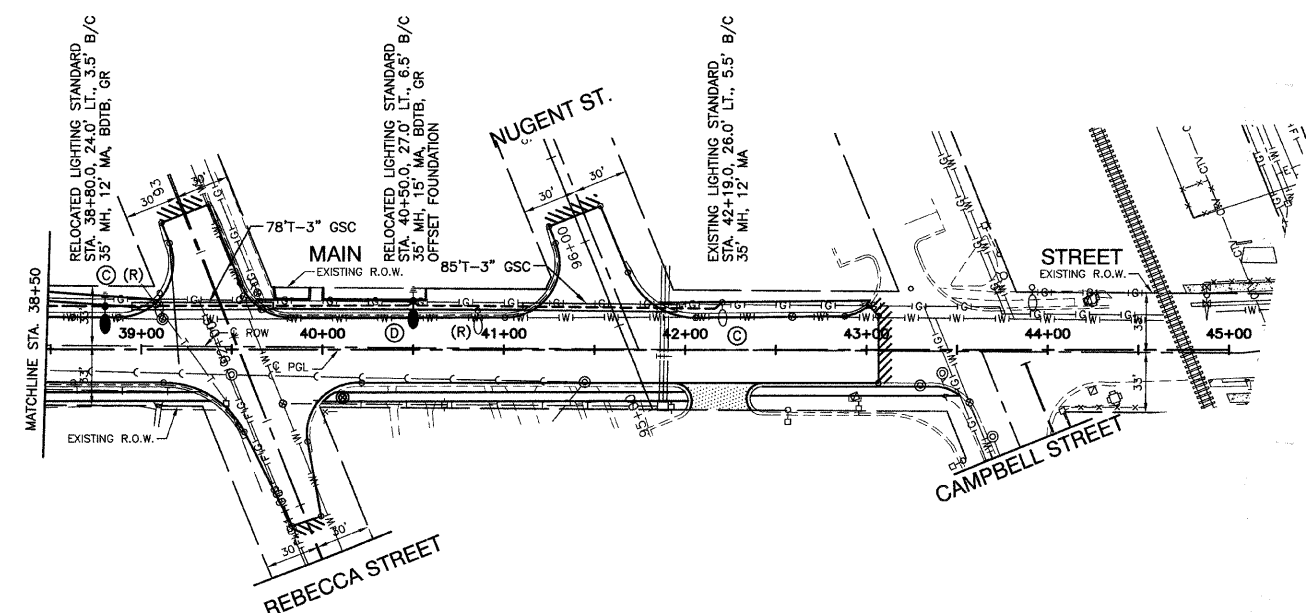
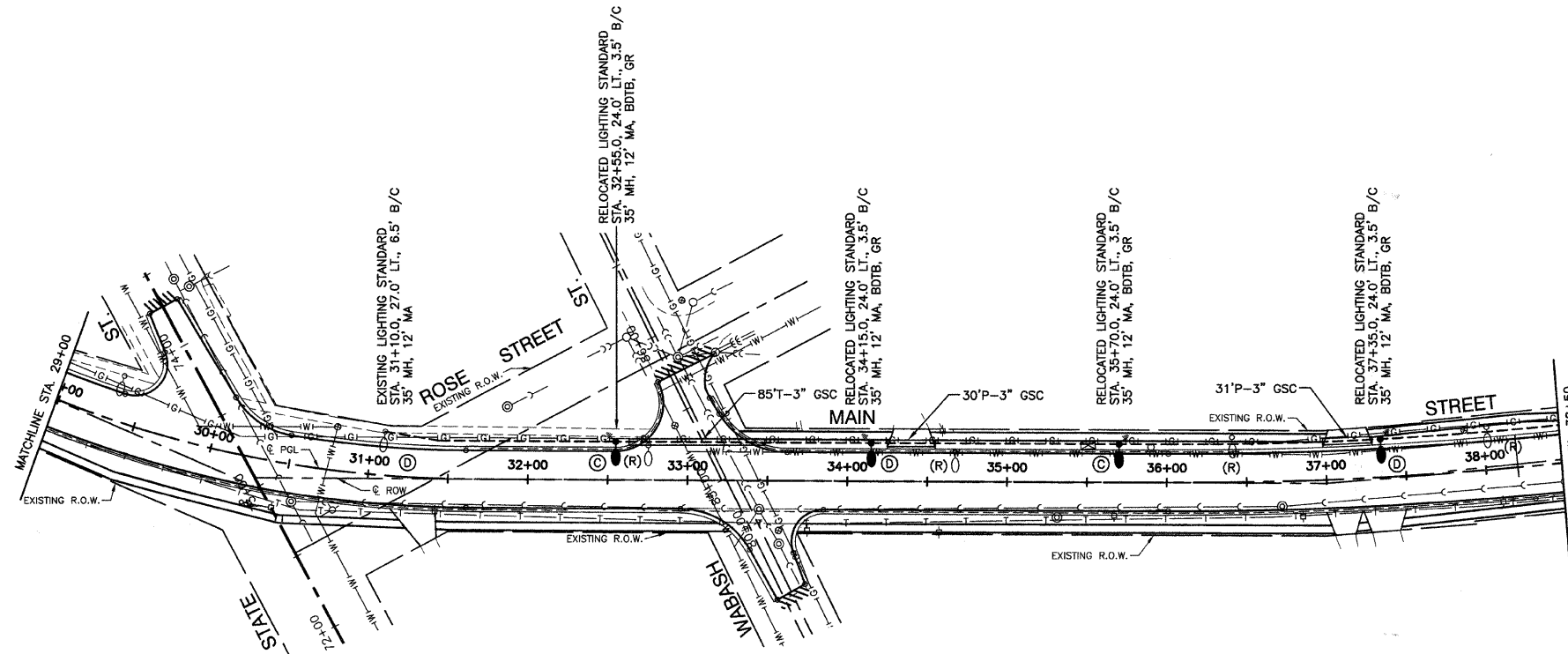
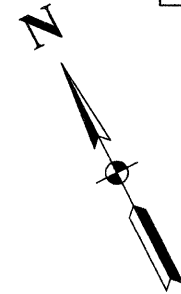
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**MAIN STREET IMPROVEMENTS  
 NORTH MAIN STREET TO CAMPBELL STREET  
 PAVEMENT MARKING & SIGNING**

SCALE: VERT. NA  
 HORIZ. NA  
 DATE: 7-24-08  
 DRAWN BY: LTL  
 CHECKED BY: WPD

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
3603	03-00049-00-FP	COOK	045	020
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT M8003 (559)	

CONTRACT #63078



**LEGEND**

- ⊕⊕ EXISTING COM ED LIGHT ON WOOD POLE
- ⊕ EXISTING POWER POLE
- ⊙ EXISTING STREET LIGHT, 35' MH, 250W HPS MC3
- RELOCATED LIGHT STANDARD, 250W HPS, 240V, 1PH LUMINAIRE, 35' MH
- ⊕ GROUND ROD, 5/8" DIA. x 10'
- P — CONDUIT, PUSHED, GALVANIZED STEEL, SIZE AS MARKED
- T — CONDUIT, TRENCHED, GALVANIZED STEEL, SIZE AS MARKED
- UNIT DUCT, 3-1/2", NO.2 AWG AND NO.4 GROUND, 600V IN 1-1/4" POLYETHYLENE DUCT FOR ROADWAY LIGHTING.
- (R) EXISTING STREET LIGHT TO BE RELOCATED
- LT. LEFT
- RT. RIGHT
- MH MOUNTING HEIGHT
- MA MAST ARM
- B/C BACK OF CURB
- B/EP BACK OF EDGE OF PAVEMENT
- BDTB BREAKAWAY DEVICE, TRANSFORMER BASE, LOW PROFILE TYPE
- GR GROUND ROD, 5/8" DIA. x 10'

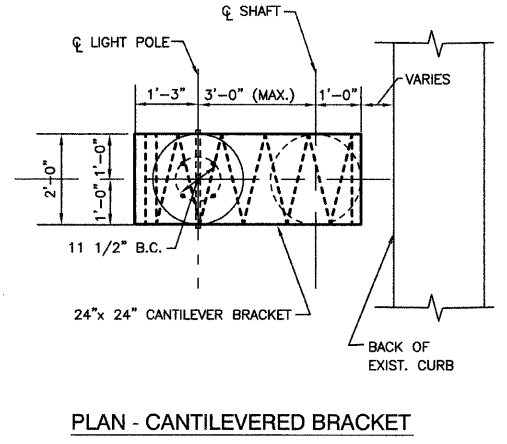
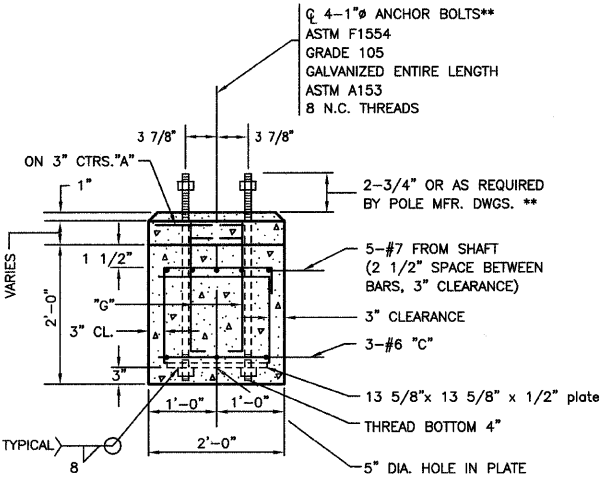
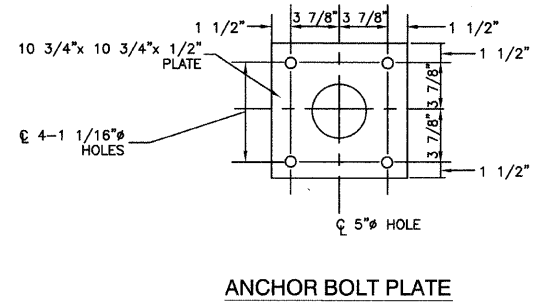
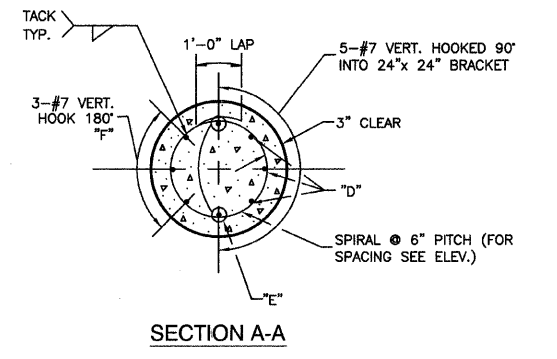
**BENCH MARK: #96**  
 N FLANGE OF HYD N SIDE GLENWOOD CHICAGO HEIGHTS RD  
 BETWEEN GLENWOOD OAKS AND FOREST PRESERVE  
 ELEVATION = 621.80

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**MAIN STREET IMPROVEMENTS**  
 NORTH MAIN STREET TO CAMPBELL STREET  
 STREET LIGHTING

SCALE: VERT. NA  
 HORIZ. 1"=50'  
 DATE: 7-24-08  
 DRAWN BY: LTL  
 CHECKED BY: WPD

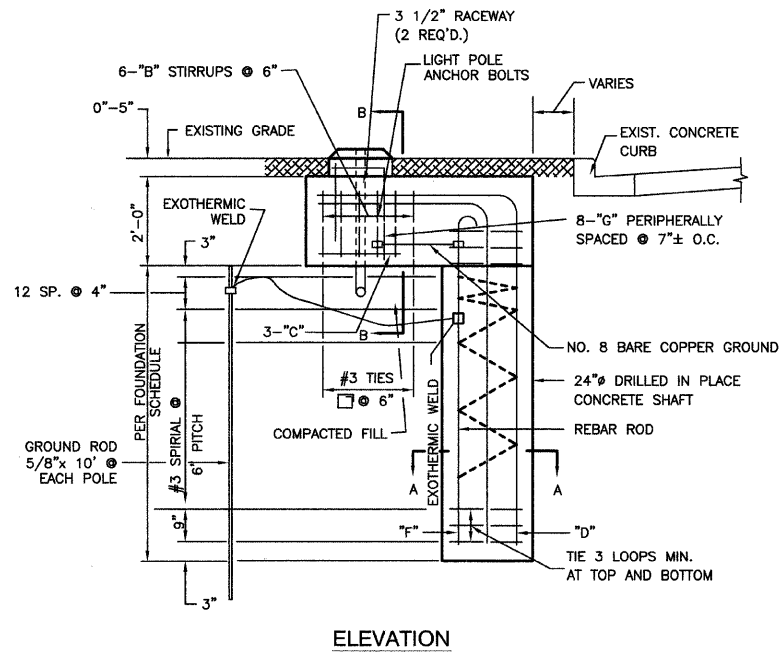
CONTRACT #63078



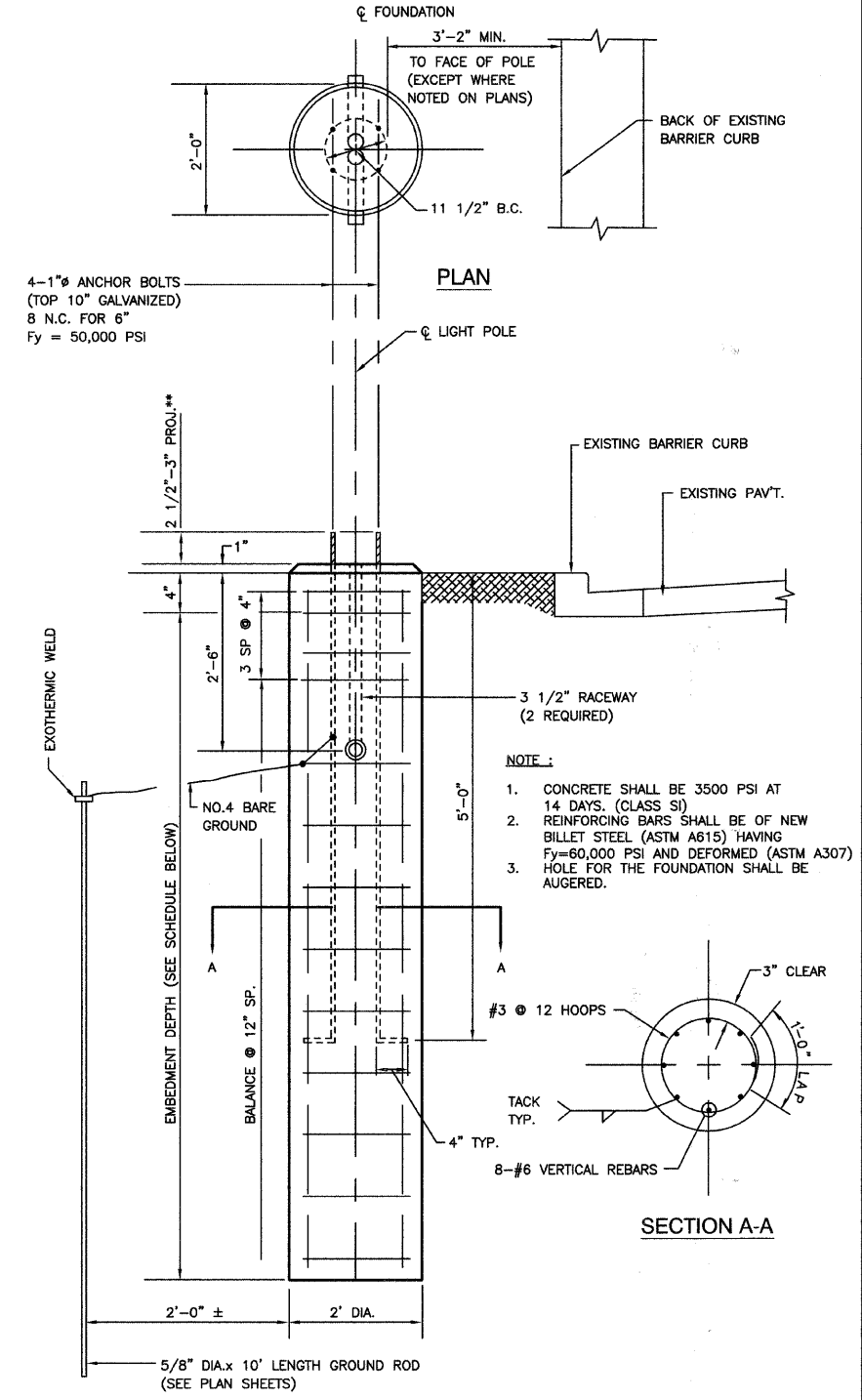
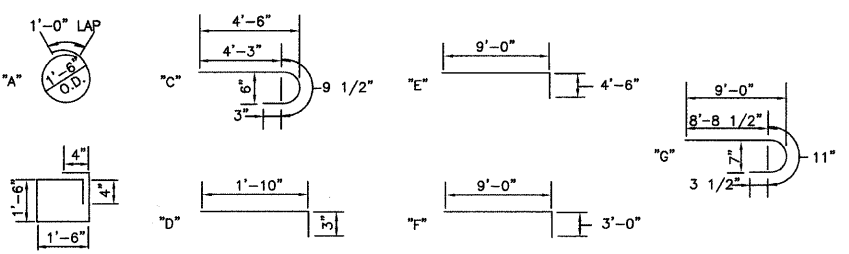
**\*\*NOTE:**  
THE TOP OF THE ANCHOR BOLTS SHOULD NOT PROJECT MORE THAN 4" ABOVE A 60" CHORD ALIGNED RADIALLY TO THE CENTERLINE OF THE HIGHWAY AND CONNECTING ANY POINT WITHIN THE LENGTH OF THE CHORD, ON THE GROUND SURFACE ON ONE SIDE OF THE SUPPORT TO A POINT ON THE GROUND SURFACE ON THE OTHER SIDE.

- NOTE:**
1. CONCRETE SHALL BE 3500 PSI AT 14 DAYS. (CLASS S)
  2. REINFORCING BARS SHALL BE OF NEW BILLET STEEL ASTM M42M (M42) AND DEFORMED
  3. HOLE FOR THE FOUNDATION (SHAFT) SHALL BE AUGERED
  4. POLE FOUNDATION, OFFSET FOR THIS APPLICATION IS EQUIVALENT TO 13.5 LIN.FT. PER FOUNDATION.
  5. THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" PITCH OR MAY SUBSTITUTE #3 TIES 12" O.C. WITH THE APPROVAL OF THE ENGINEER

BILL OF MATERIALS				
"LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET"				
QUAN.	MARK	SIZE	LENGTH	SHAPE
11	A	NO.3	5'-9"	○
6	B	NO.3	6'-8"	□
3	C	NO.6	5'-31/2"	○
8	G	NO.6	2'-1"	□
3	D	NO.7	13'-6"	□
2	E	NO.7	12'-0"	□
3	F	NO.7	9'-11"	□
REINFORCING BARS		LBS.	285	
CLASS X CONCRETE		CU.YDS.	1.7	
ANCHOR BOLTS		NO.	4	
ANCHOR BOLT PLATE NO.			1	

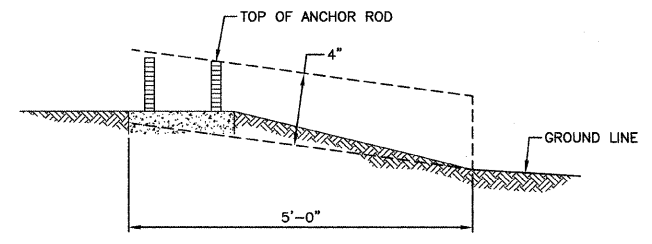


POLE FOUNDATION, OFFSET - DETAILS



LIGHT POLE FOUNDATION (TYPICAL)

TYPE OF SOILS		EMBEDMENT MOUNTING HEIGHT			
DESCRIPTION	STANDARDS	30 FT.	35 FT.	40 FT.	47.5 FT.
SOFT CLAY	Qu = .25-.50 T/FT. 2	9'-0"	9'-8"	10'-6"	14'-0"
MEDIUM CLAY	Qu = .50-1.0 T/FT. 2	6'-6"	*7'-0"	7'-6"	10'-0"
DENSE CLAY	Qu = 1.0-2.0 T/FT. 2	5'-6"	6'-0"	6'-6"	8'-6"
LOOSE SAND	N = 4-10	7'-0"	7'-8"	8'-4"	11'-0"
MEDIUM SAND	N = 10-30	6'-0"	6'-6"	7'-3"	9'-6"
DENSE SAND	N = 30-50	5'-6"	6'-0"	6'-6"	8'-6"



**\*\*NOTE:**  
THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4") ABOVE THE FINISHED GRADE WITHIN A 1.5M (60") CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED. IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTORS EXPENSE. SEE FOUNDATION EXTENSION DETAIL.

FOUNDATION EXTENSION DETAIL

REVISIONS	
NAME	DATE

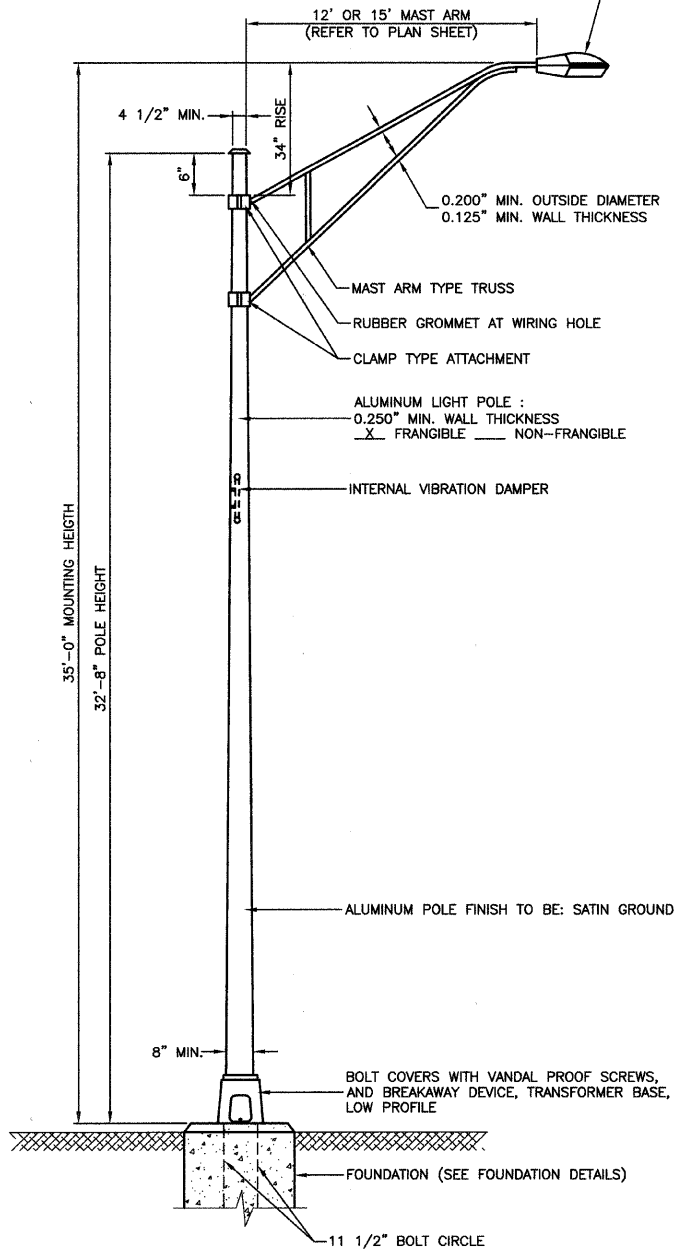
ILLINOIS DEPARTMENT OF TRANSPORTATION  
MAIN STREET IMPROVEMENTS  
NORTH MAIN STREET TO CAMPBELL STREET  
LIGHTING DETAILS

SCALE: VERT. NA  
HORIZ. NA  
DATE: 7-24-08  
DRAWN BY: LTL  
CHECKED BY: PAP/WPD

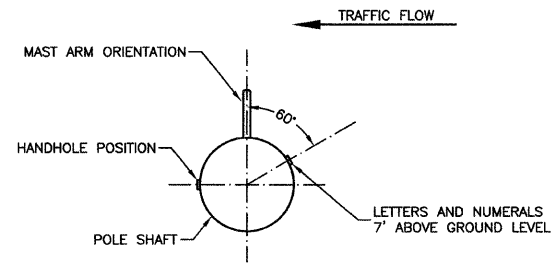
FAU R/E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3603	03-00049-00-PP	COOK	045	022
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M8003 (559)		

CONTRACT #63078

**LUMINAIRE:**  
 250 WATT HIGH PRESSURE SODIUM LAMP  
 240 VOLT BALLAST  
 I.E.S. TYPE: MC III LIGHT DISTRIBUTION  
 LENS TYPE: FLAT  
 INITIAL LAMP LUMENS: 28,000  
 LAMP LIFE: 24,000 HOURS



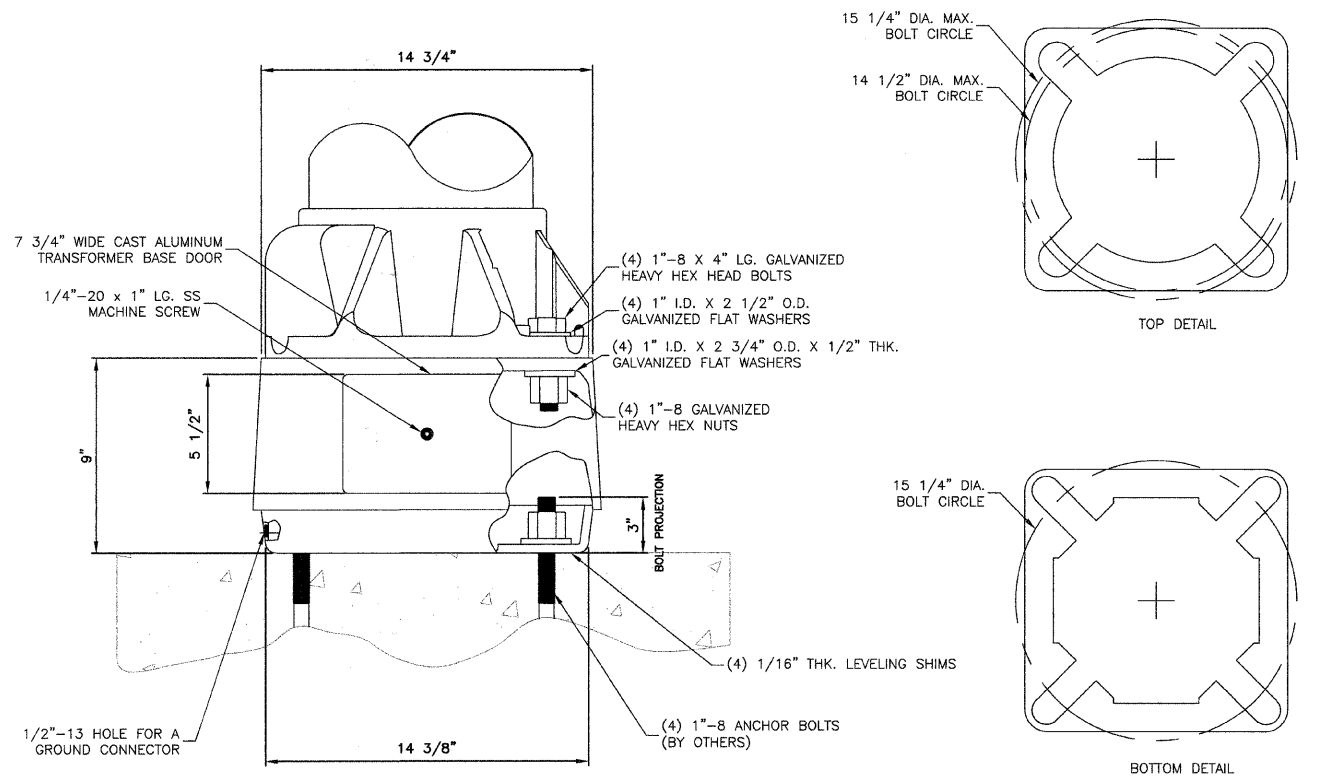
TYPICAL POLE INSTALLATION FOR RELOCATED 35' MH POST



POSITION OF HANDHOLE AND NUMERALS ON POLE

- NOTES:**
1. THE LIGHTING UNITS SHALL MEET AASHTO DESIGN CRITERIA. DESIGN FOR 90 M.P.H. WIND WITH 30% GUST AND 75 POUND LUMINAIRE HAVING AN E.P.A. OF 1.6 SQ. FT. AND PROPER ICE LOADING.
  2. ALUMINUM ALLOY 6063-T6 SHALL BE USED.

**IMPORTANT NOTE:**  
 TRANSFORMER BASE AND LIGHTPOLE TO BE LEVELED AS ONE UNIT. USING LEVELING SHIMS IF REQUIRED.



LOW PROFILE TRANSFORMER BASE DETAIL

NOTE: USE 15\"/>

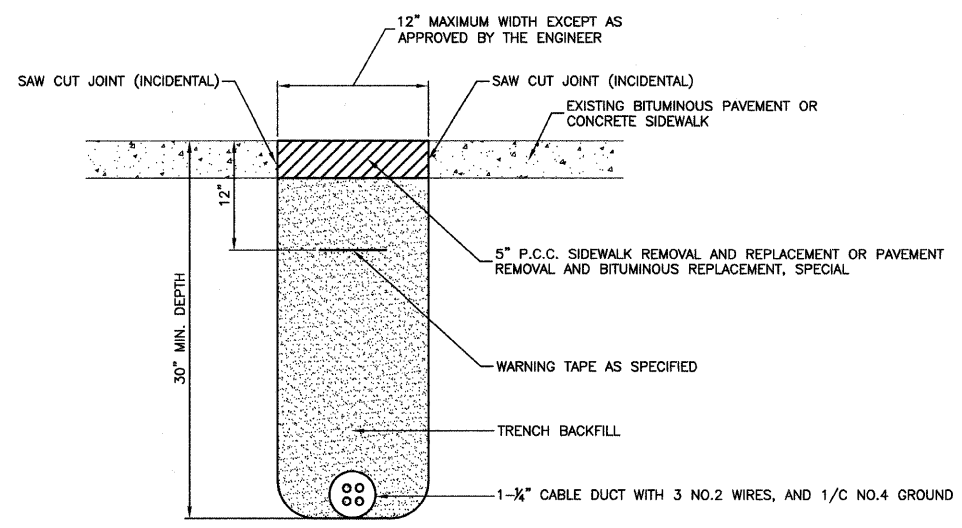
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 MAIN STREET IMPROVEMENTS  
 NORTH MAIN STREET TO CAMPBELL STREET  
 LIGHTING DETAILS

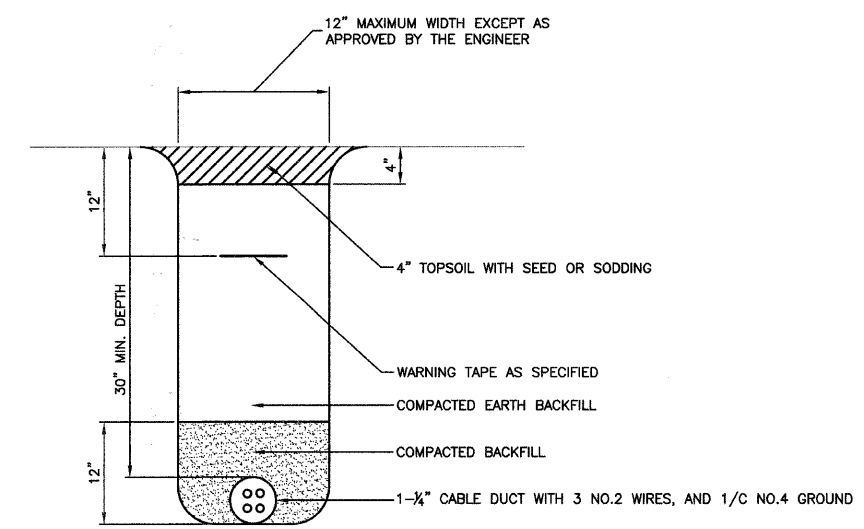
SCALE: VERT. NA  
 HORIZ. NA  
 DATE: 7-24-08  
 DRAWN BY: LTL  
 CHECKED BY: PAP/WPD

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3603	03-00049-00-FP	COOK	045	023
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M8003 (559)		

CONTRACT #63078



BITUMINOUS PAVEMENT OR CONCRETE SIDEWALK  
REMOVAL AND REPLACEMENT



TRENCH DETAIL

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

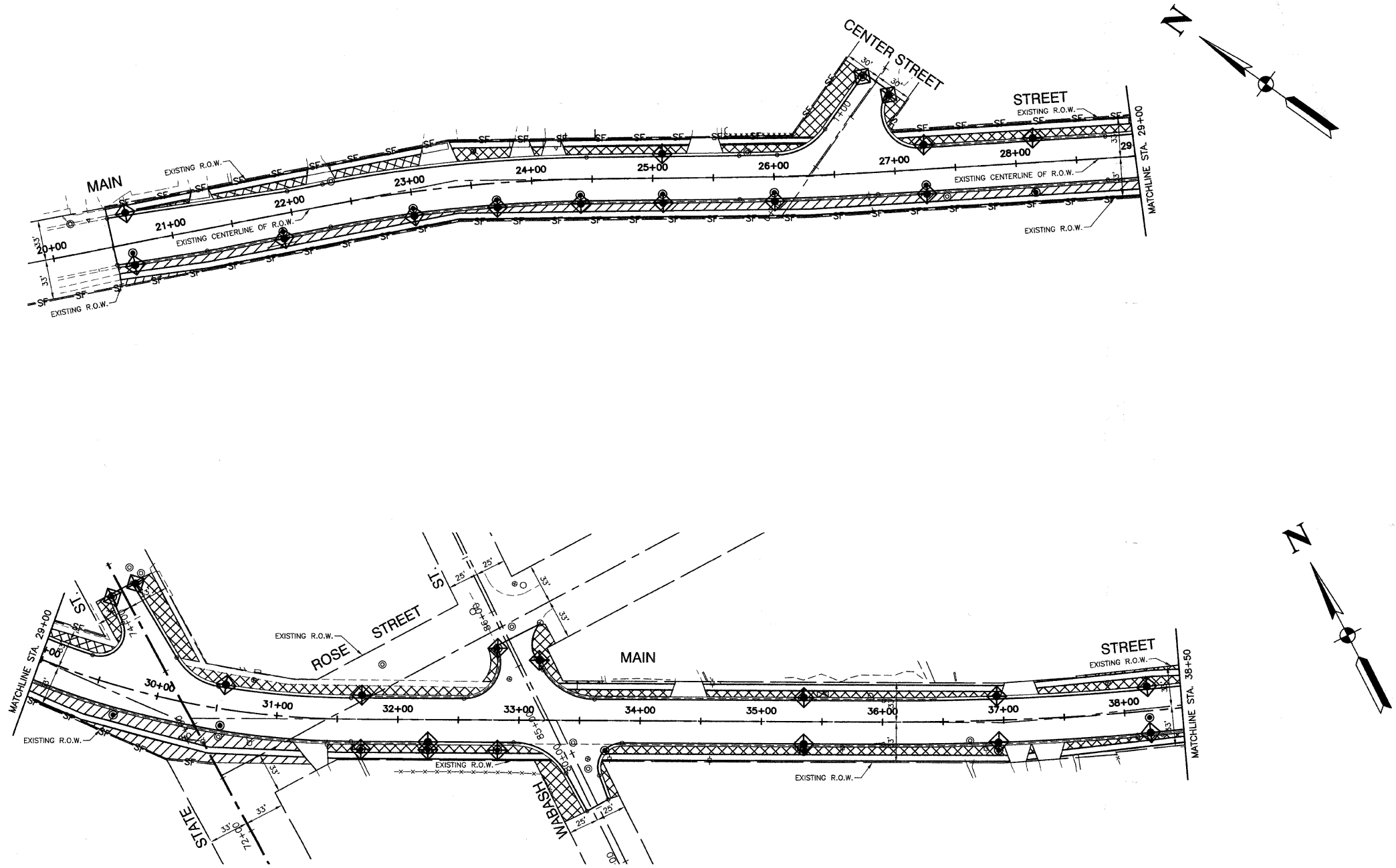
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NORTH MAIN STREET TO CAMPBELL STREET  
LIGHTING DETAILS**

SCALE: VERT. NA  
HORIZ. NA  
DATE 7-24-08

DRAWN BY LTL  
CHECKED BY PAP/WPD

FAU R/E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3603	03-00049-00-FP	COOK	045	024
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT MB003 (559)	

CONTRACT #63078



**LEGEND**

	SEEDING, CLASS 2A TOPSOIL FURNISH AND PLACE, 4" WITH EROSION CONTROL BLANKET
	SODDING, SALT TOLERANT
	INLET AND PIPE PROTECTION
	INLET FILTER
	PERIMETER EROSION BARRIER
	TREE REMOVAL

**BENCH MARK: #96**  
 N FLANGE OF HYD N SIDE GLENWOOD CHICAGO HEIGHTS RD  
 BETWEEN GLENWOOD OAKS AND FOREST PRESERVE  
 ELEVATION = 621.80

REVISIONS	
NAME	DATE

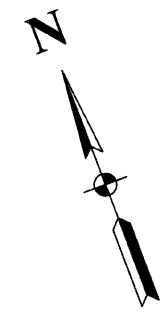
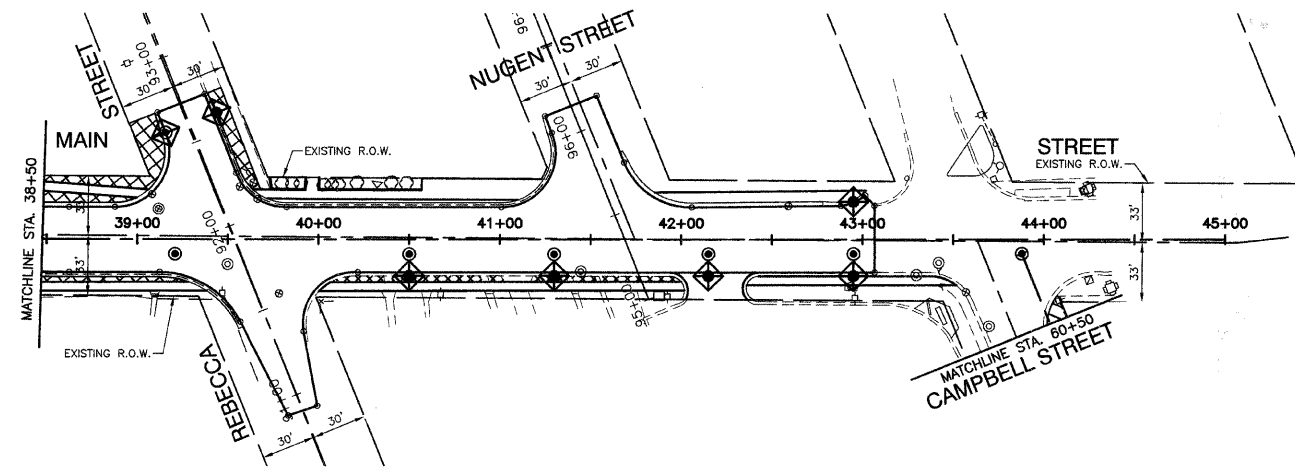
ILLINOIS DEPARTMENT OF TRANSPORTATION

**MAIN STREET IMPROVEMENTS  
 NORTH MAIN STREET TO CAMPBELL STREET  
 LANDSCAPING & EROSION CONTROL**

SCALE: VERT. NA  
 HORIZ 1"=50'  
 DATE 7-24-08  
 DRAWN BY LTL  
 CHECKED BY WPD

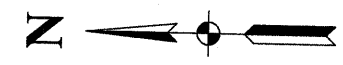
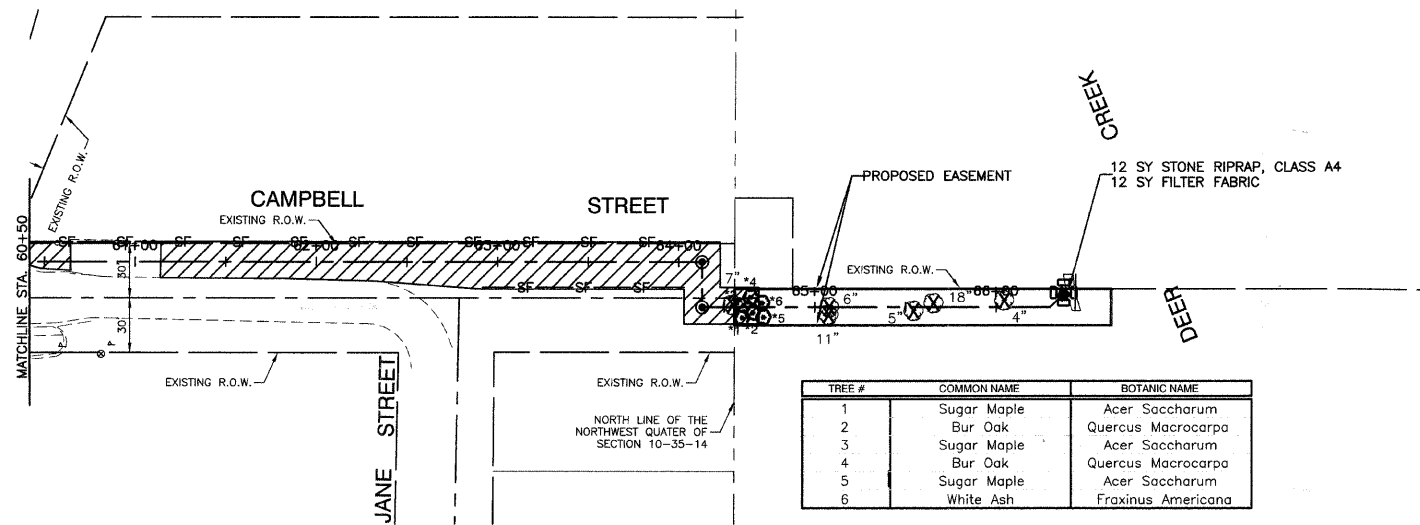
FAU R/E	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
3603	03-00049-00-FP	COOK	045	025
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT M8003 (559)	

CONTRACT #63078



**LEGEND**

	SEEDING, CLASS 2A TOPSOIL FURNISH AND PLACE, 4" WITH EROSION CONTROL BLANKET
	SODDING, SALT TOLERANT
	INLET AND PIPE PROTECTION
	INLET FILTER
	PERIMETER EROSION BARRIER
	TREE REMOVAL



TREE #	COMMON NAME	BOTANIC NAME
1	Sugar Maple	Acer Saccharum
2	Bur Oak	Quercus Macrocarpa
3	Sugar Maple	Acer Saccharum
4	Bur Oak	Quercus Macrocarpa
5	Sugar Maple	Acer Saccharum
6	White Ash	Fraxinus Americana

**BENCH MARK: #96**  
 N FLANGE OF HYD N SIDE GLENWOOD CHICAGO HEIGHTS RD  
 BETWEEN GLENWOOD OAKS AND FOREST PRESERVE  
 ELEVATION = 621.80

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**MAIN STREET IMPROVEMENTS  
 NORTH MAIN STREET TO CAMPBELL STREET  
 LANDSCAPING & EROSION CONTROL**

SCALE: VERT. NA  
 HORIZ. 1"=50'

DATE: 7-24-08

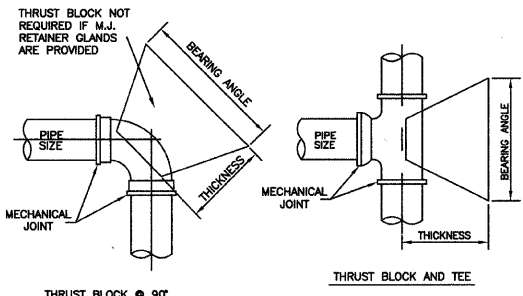
DRAWN BY: LTL  
 CHECKED BY: WPD

**ROBINSON ENGINEERING, LTD.**  
 17000 SOUTH PARK AVENUE, SOUTH HOLLAND, ILLINOIS 60473  
 (708) 331-6700 FAX (708) 331-3828  
 ILLINOIS DESIGN FIRM REGISTRATION NO. 184001128 02268-LNSC-01 - L02

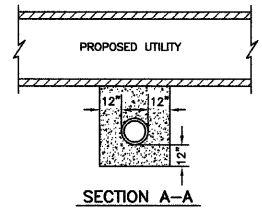
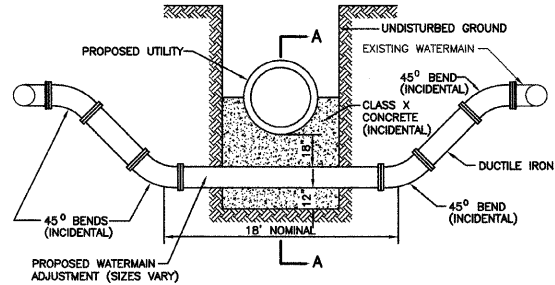


MAIN PIPE SIZE	TEE	90° BEND	45° BEND	BLOCK THICKNESS
4				
6				
8				
10				
12				
14	18.0	23.5	13.75	18"
16	18.0	33.0	18.0	24"
18	31.0	44.25	24.0	24"
20	38.4	54.25	29.4	30"
24	55.0	78.0	42.25	30"

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



DETAIL OF WATERMAIN ADJUSTMENT

653.119 PROTECTION OF WATER MAIN AND WATER SERVICE LINES

WATER MAINS AND WATER SERVICE LINES SHALL BE PROTECTED FROM SANITARY SEWERS, STORM SEWERS, COMBINED SEWERS, HOUSE SEWER SERVICE CONNECTIONS AND DRAINS AS FOLLOWS:

- A) WATER MAINS:
  - 1) HORIZONTAL SEPARATION:
    - A) WATER MAINS SHALL BE LAID AT LEAST TEN FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED DRAIN, STORM SEWER, SANITARY SEWER, COMBINED SEWER OR SEWER SERVICE CONNECTION.
    - B) WATER MAINS MAY BE LAID CLOSER THAN TEN FEET TO A SEWER LINE WHEN:
      - i) LOCAL CONDITIONS PREVENT A LATERAL SEPARATION OF TEN FEET:
      - ii) THE WATER MAIN INVERT IS AT LEAST 18 INCHES ABOVE THE CROWN OF THE SEWER: AND
      - iii) THE WATER MAIN IS EITHER IN A SEPARATE TRENCH OR IN THE SAME TRENCH ON AN UNDISTURBED EARTH SHELVE LOCATED TO ONE SIDE OF THE SEWER.
    - C) BOTH THE WATER MAIN AND DRAIN OR SEWER SHALL BE CONSTRUCTED OF SLIP-ON OR MECHANICAL JOINT CAST OR DUCTILE IRON PIPE, ASBESTOS-CEMENT PRESSURE PIPE, PRE STRESSED CONCRETE PIPE, OR PVC PIPE MEETING THE REQUIREMENTS OF SECTION 653.111 WHEN IT IS IMPOSSIBLE TO MEET (A) OR (B) ABOVE. THE DRAIN OR SEWER SHALL BE PRESSURE TESTED TO THE MAXIMUM EXPECTED SURCHARGE HEAD BEFORE BACKFILLING.
  - 2) VERTICAL SEPARATION:
    - A) A WATER MAIN SHALL BE LAID SO THAT ITS INVERT IS 18" INCHES ABOVE THE CROWN OF THE DRAIN OR SEWER WHENEVER WATER MAINS CROSS STORM SEWERS, SANITARY SEWERS OR SEWER SERVICE CONNECTIONS. THE VERTICAL SEPARATION SHALL BE MAINTAINED FOR THAT PORTION OF THE WATER MAIN LOCATED WITHIN TEN FEET HORIZONTALLY OF ANY SEWER OR DRAIN CROSSING. A LENGTH OF WATER MAIN PIPE SHALL BE CENTERED OVER THE SEWER TO BE CROSSED WITH JOINTS EQUIDISTANT FROM THE SEWER OR DRAIN.
    - B) BOTH THE WATER MAIN AND SEWER SHALL BE CONSTRUCTED OF SLIP-ON MECHANICAL JOINT CAST OR DUCTILE IRON PIPE, ASBESTOS-CEMENT PRESSURE PIPE, PRE STRESSED CONCRETE PIPE, OR PVC PIPE MEETING REQUIREMENTS OF SECTION 653.111 WHEN:
      - i) IT IS IMPOSSIBLE TO OBTAIN THE PROPER VERTICAL SEPARATION AS DESCRIBED IN (A) ABOVE; OR
      - ii) THE WATER MAIN PASSES UNDER A SEWER OR DRAIN.
    - C) A VERTICAL SEPARATION OF 18 INCHES BETWEEN THE INVERT OF THE SEWER OR DRAIN AND THE CROWN OF THE WATER MAIN SHALL BE MAINTAINED WHERE A WATER MAIN CROSSES UNDER A SEWER. SUPPORT THE SEWER OR DRAIN LINES TO PREVENT SETTLING AND BREAKING THE WATER MAIN.
    - D) CONSTRUCTION SHALL EXTEND ON EACH SIDE OF THE CROSSING UNTIL THE NORMAL DISTANCE FROM THE WATER MAIN TO THE SEWER OR DRAIN LINE IS AT LEAST TEN FEET.
- B) WATER SERVICE LINES:
  - 1) THE HORIZONTAL AND VERTICAL SEPARATION BETWEEN WATER SERVICE LINES AND ALL STORM SEWERS, SANITARY SEWERS, COMBINED SEWERS OR ANY DRAIN OR SEWER SERVICE CONNECTION SHALL BE THE SAME AS WATER MAIN SEPARATION DESCRIBED IN (A) ABOVE.
  - 2) WATER PIPE DESCRIBED IN (A) ABOVE SHALL BE USED FOR SEWER SERVICES LINES WHEN MINIMUM HORIZONTAL AND VERTICAL SEPARATION CANNOT BE MAINTAINED.
- C) SPECIAL CONDITIONS - ALTERNATE SOLUTIONS SHALL BE PRESENTED TO THE AGENCY WHEN EXTREME TOPOGRAPHICAL, GEOLOGICAL OR EXISTING STRUCTURAL CONDITIONS MAKE STRICT COMPLIANCE WITH (A) AND (B) ABOVE TECHNICALLY AND ECONOMICALLY IMPRACTICAL. ALTERNATE SOLUTIONS WILL BE APPROVED PROVIDED WATER TIGHT CONSTRUCTION STRUCTURALLY EQUIVALENT TO APPROVED WATER MAIN MATERIAL IS PROPOSED.
- D) WATER MAINS SHALL BE SEPARATED FROM SEPTIC TANKS, DISPOSAL FIELDS AND SEEPAGE BEDS BY A MINIMUM OF 25 FEET.
- E) WATER MAINS AND WATER SERVICE LINES SHALL BE PROTECTED AGAINST ENTRANCE OF HYDROCARBONS THROUGH DIFFUSION THROUGH ANY MATERIAL USED IN CONSTRUCTION OF THE LINE.

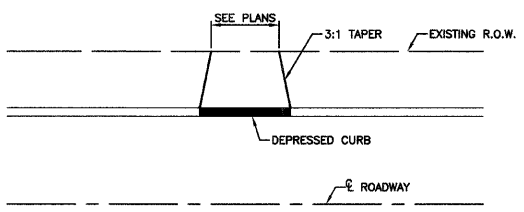
JOINT RESTRAINT TABLE - Unless additional pipe restraint is shown on the Plans, the restrained length measured from the fitting joint to the end of the last restrained joint pipe for pipe fittings shall equal or exceed those tabulated below:

Pipe Size (Inches)	Tee *	90° Elbow	45° Elbow	22-1/2° Elbow	11-1/4° Elbow	Dead Ends
4	9	10	5	2	1	15
6	17	14	8	3	2	21
8	24	18	10	4	2	27
10	30	22	12	5	3	33
12	36	26	14	6	3	38
14	42	29	16	7	3	44
16	48	33	18	8	4	49
18	53	37	20	9	4	54
20	58	40	22	10	4	60
24	104	71	30	15	8	105
30	125	86	36	18	9	126
36	146	99	42	21	10	147

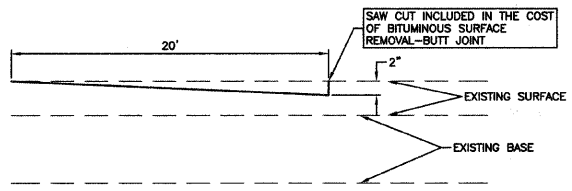
Test Pressure on sizes 20" and smaller based on 100 psi.  
 Test Pressure on sizes 24" and larger based on 150 psi.  
 Increase all lengths in Table by 75% for use on polyethylene wrapped pipe.  
 \*One full length (18") of pipe on both sides of branch to be restrained.

DUCTILE IRON JOINT RESTRAINT TABLE

NOTE:  
 FOR BIDDING PURPOSES ONLY. CONTRACTOR TO SUBMIT DESIGN CALCULATIONS PRIOR TO CONSTRUCTION.  
 \*ALL RESTRAINED JOINTS MUST BE MEGALUC OR APPROVED EQUAL.



BITUMINOUS DRIVEWAY DETAIL



BUTT JOINT DETAIL

NAME	DATE

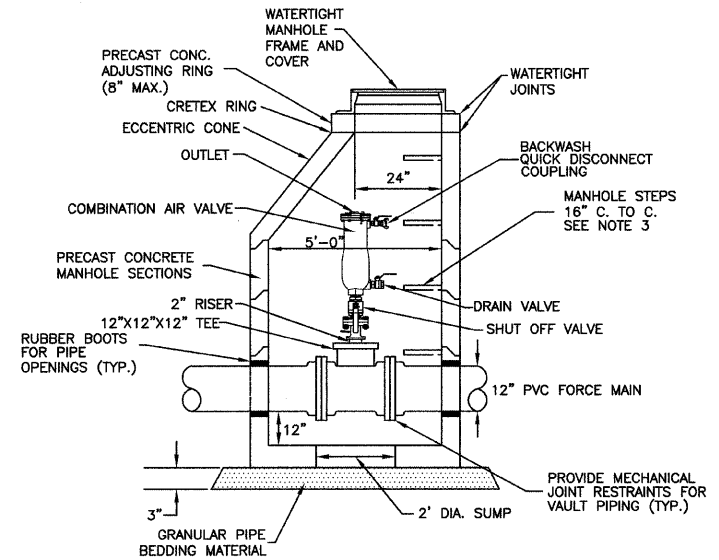
ILLINOIS DEPARTMENT OF TRANSPORTATION

MAIN STREET IMPROVEMENTS  
 NORTH MAIN STREET TO CAMPBELL STREET  
 CONSTRUCTION DETAILS

SCALE: VERT. NA  
 HORIZ. NA  
 DATE: 7-24-08  
 DRAWN BY: EC  
 CHECKED BY: WPD

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3603	03-00049-00-FP	COOK	045	027
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT M8003 (559)	

CONTRACT #63078



- NOTES:
1. VAULT SHALL BE CONSTRUCTED OF PRECAST, REINFORCED CONCRETE SECTIONS PER ASTM C-478.
  2. ALL JOINTS BETWEEN MANHOLE SECTIONS SHALL BE SEALED WITH MASTIC JOINT MATERIAL.
  3. STEPS TO BE CONSTRUCTED OF COPOLYMER POLYPROPYLENE, INJECTION MOLDED AROUND STEEL STEPS.

**AIR RELEASE VALVE VAULT**  
SCALE: NOT TO SCALE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

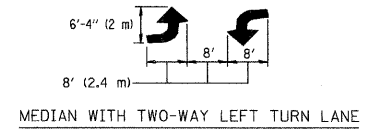
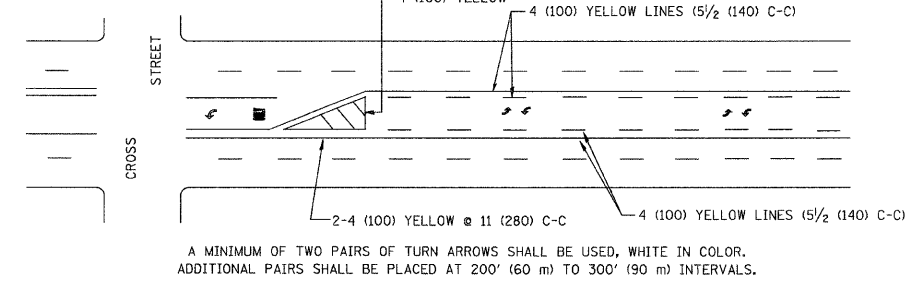
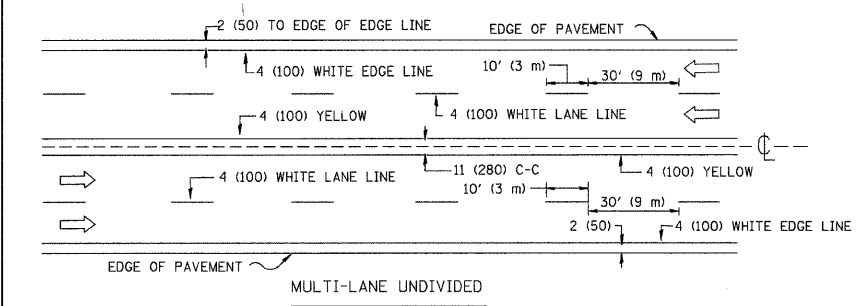
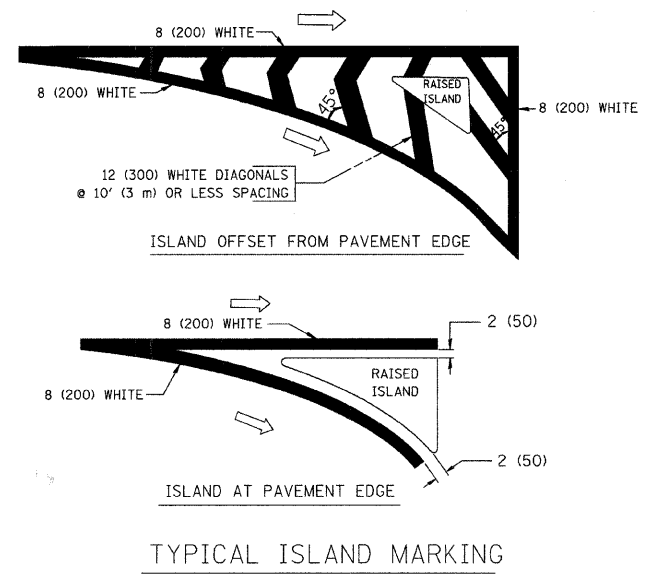
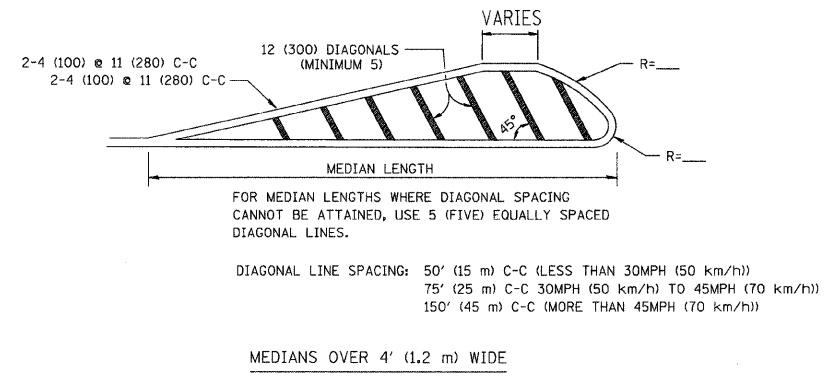
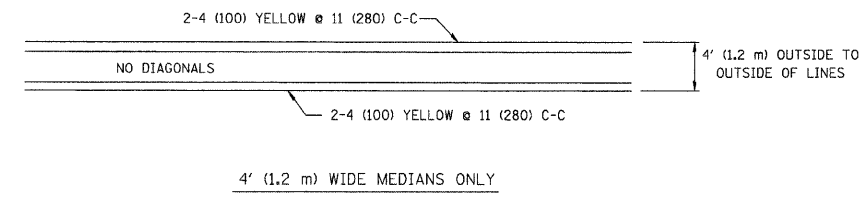
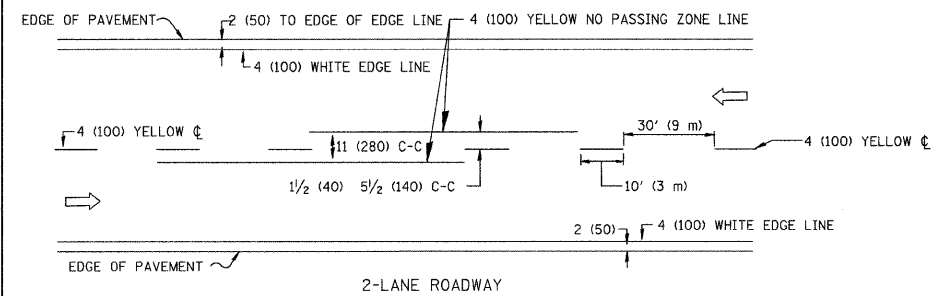
**MAIN STREET IMPROVEMENTS  
NORTH MAIN STREET TO CAMPBELL STREET  
CONSTRUCTION DETAILS**

SCALE: VERT. NA  
HORIZ. NA  
DATE 7-24-08

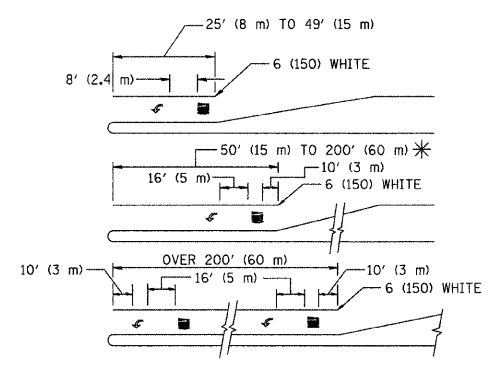
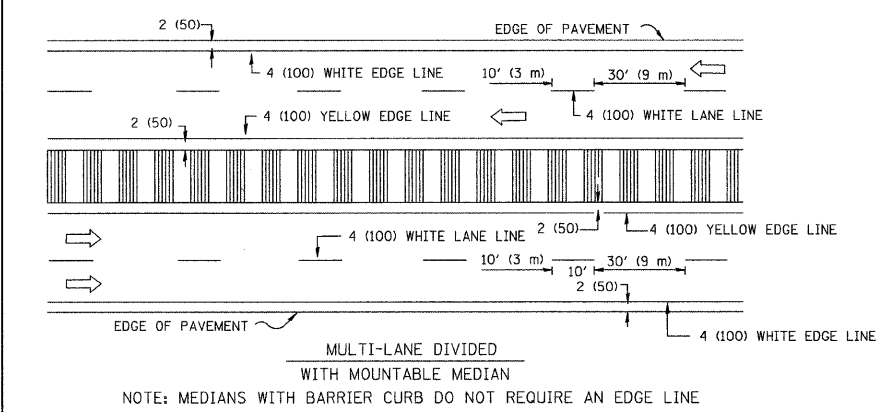
DRAWN BY EC  
CHECKED BY WPD

**ROBINSON ENGINEERING, LTD.**  
17000 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473  
(708) 381-8700 FAX (708) 381-0829  
ILLINOIS DESIGN FIRM REGISTRATION NO. 146001126 02268-DTLS-01 - P02

CONTRACT #63078



TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)

\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

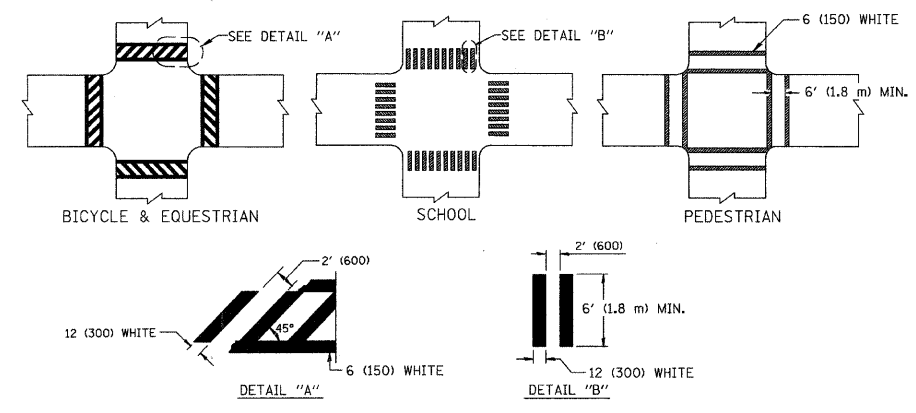
TYPICAL TURN LANE MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

REVISIONS	
NAME	DATE
EVERS	03-19-90
T. RAMMACHER	10-27-94
ALEX HOUSEH	10-09-96
ALEX HOUSEH	10-17-96
T. RAMMACHER	01-06-00

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE

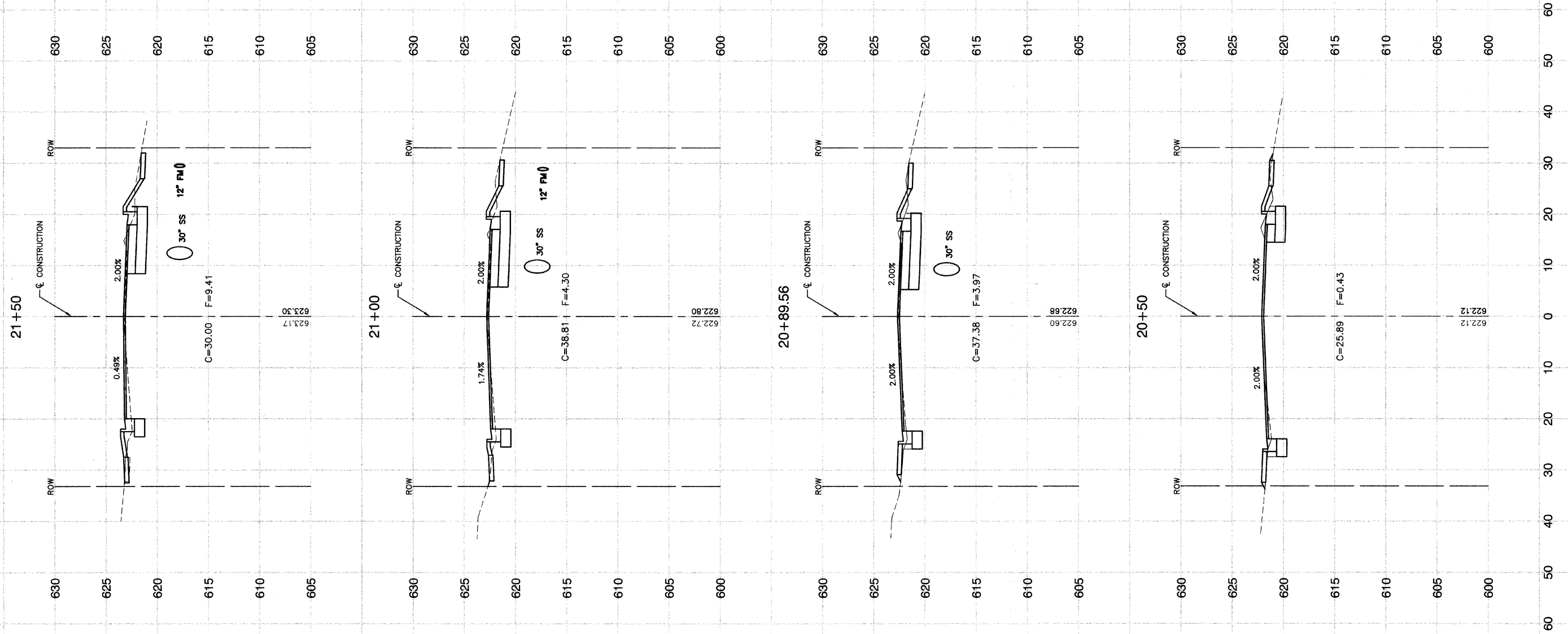
TYPICAL PAVEMENT MARKINGS

SCALE: NONE

DRAWN BY CADD  
CHECKED BY

FAU R/E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3603	03-00049-00-FP	COOK	045	029
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT M8003 (559)	

CONTRACT #63078



REVISIONS	
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ILLINOIS DEPARTMENT OF TRANSPORTATION

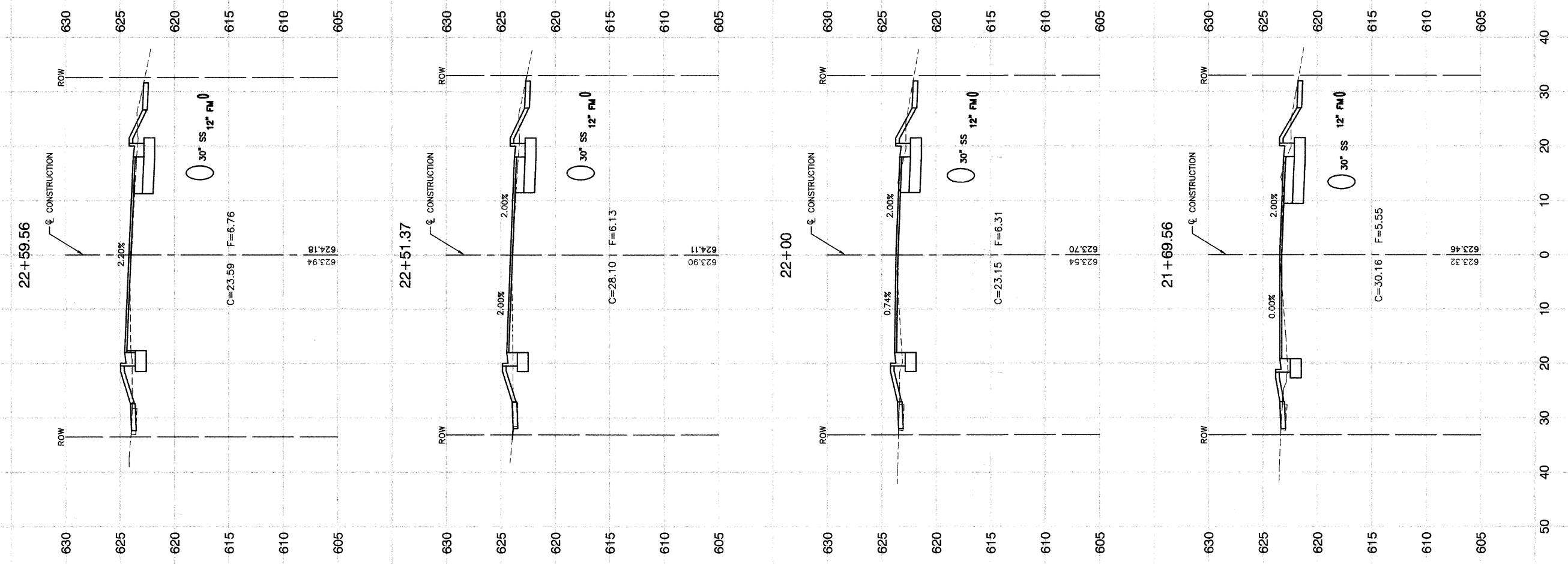
**MAIN STREET IMPROVEMENTS  
NORTH MAIN STREET TO CAMPBELL STREET  
CROSS SECTIONS**

SCALE: VERT. 1"=5'  
HORIZ. 1"=10'  
DATE 7-24-08

DRAWN BY EC  
CHECKED BY WPD

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
3603	03-00049-00-FP	COOK	045	030
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT MB003 (559)	

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ILLINOIS DEPARTMENT OF TRANSPORTATION

**MAIN STREET IMPROVEMENTS  
NORTH MAIN STREET TO CAMPBELL STREET  
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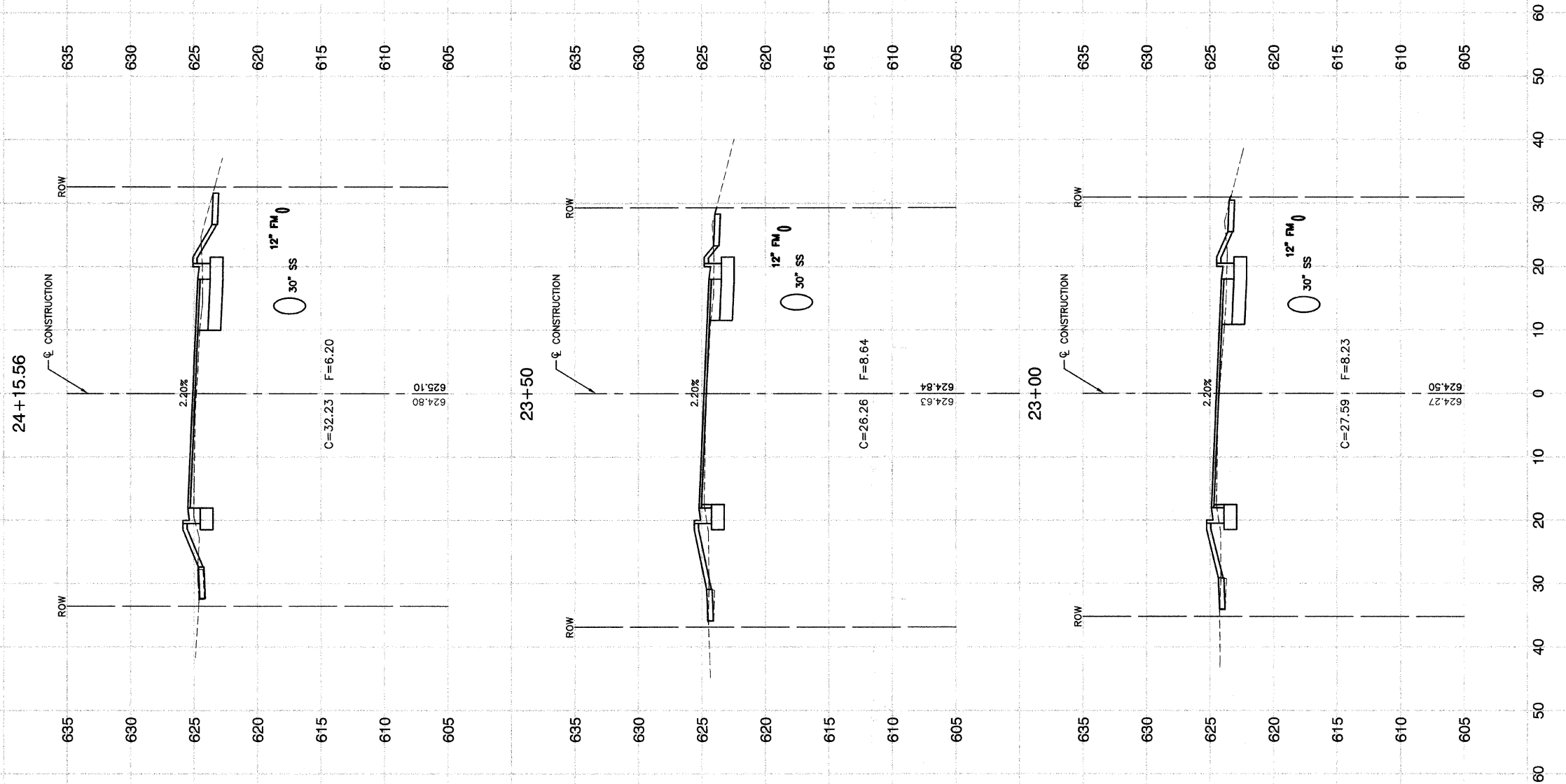
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HORIZ. 1"=10'

DATE 7-24-08

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CHECKED BY WPD

FAU R/E	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
3603	03-00049-00-FP	COOK	045	031
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT M8003 (559)	

CONTRACT #63078



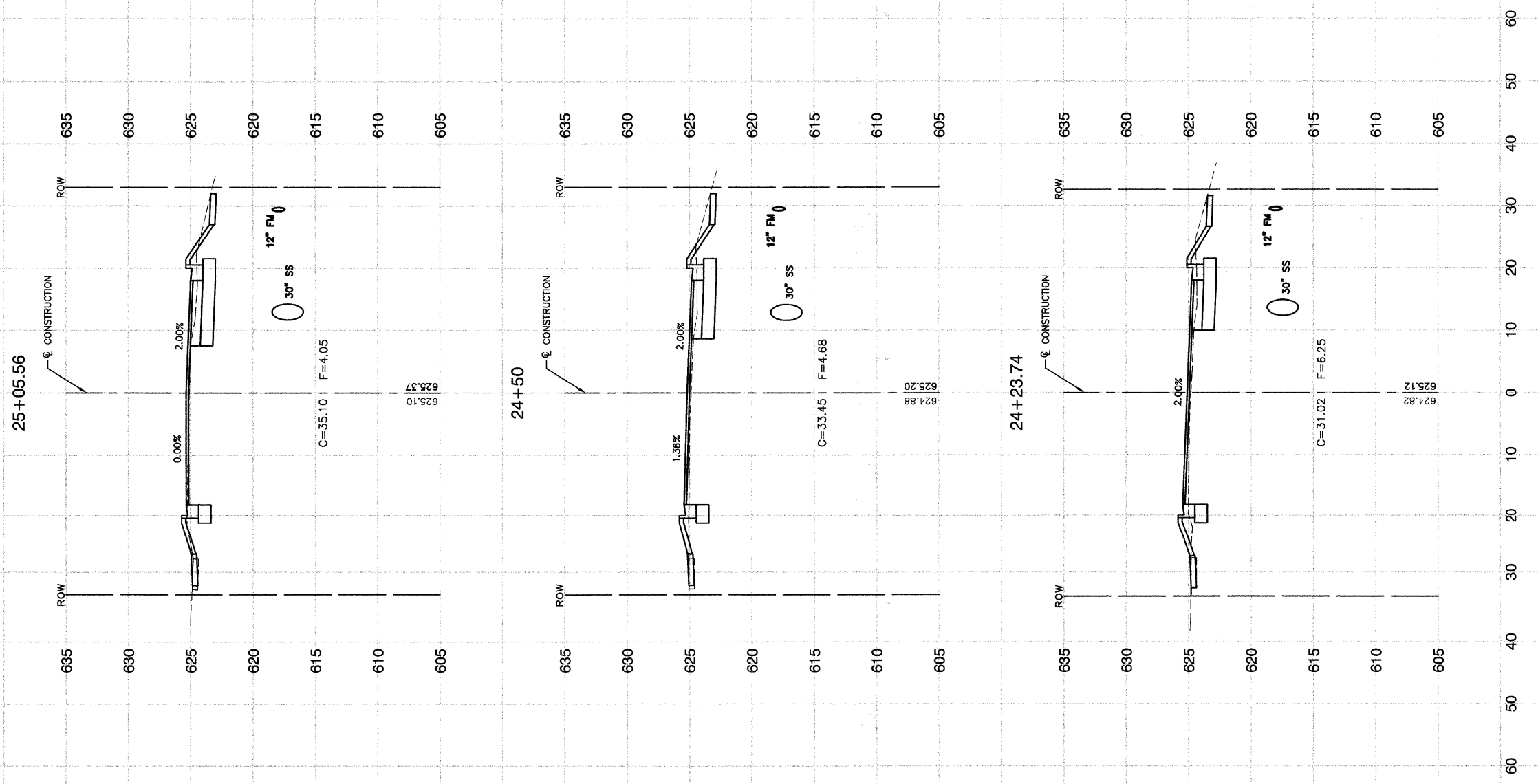
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**MAIN STREET IMPROVEMENTS**  
**NORTH MAIN STREET TO CAMPBELL STREET**  
**CROSS SECTIONS**

SCALE: VERT. 1"=5'  
 HORIZ. 1"=10'  
 DATE 7-24-08  
 DRAWN BY EC  
 CHECKED BY WPD

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3603	03-00049-00-PP	COOK	045	032
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT MB003 (559)	

CONTRACT #63078



REVISIONS	
NAME	DATE

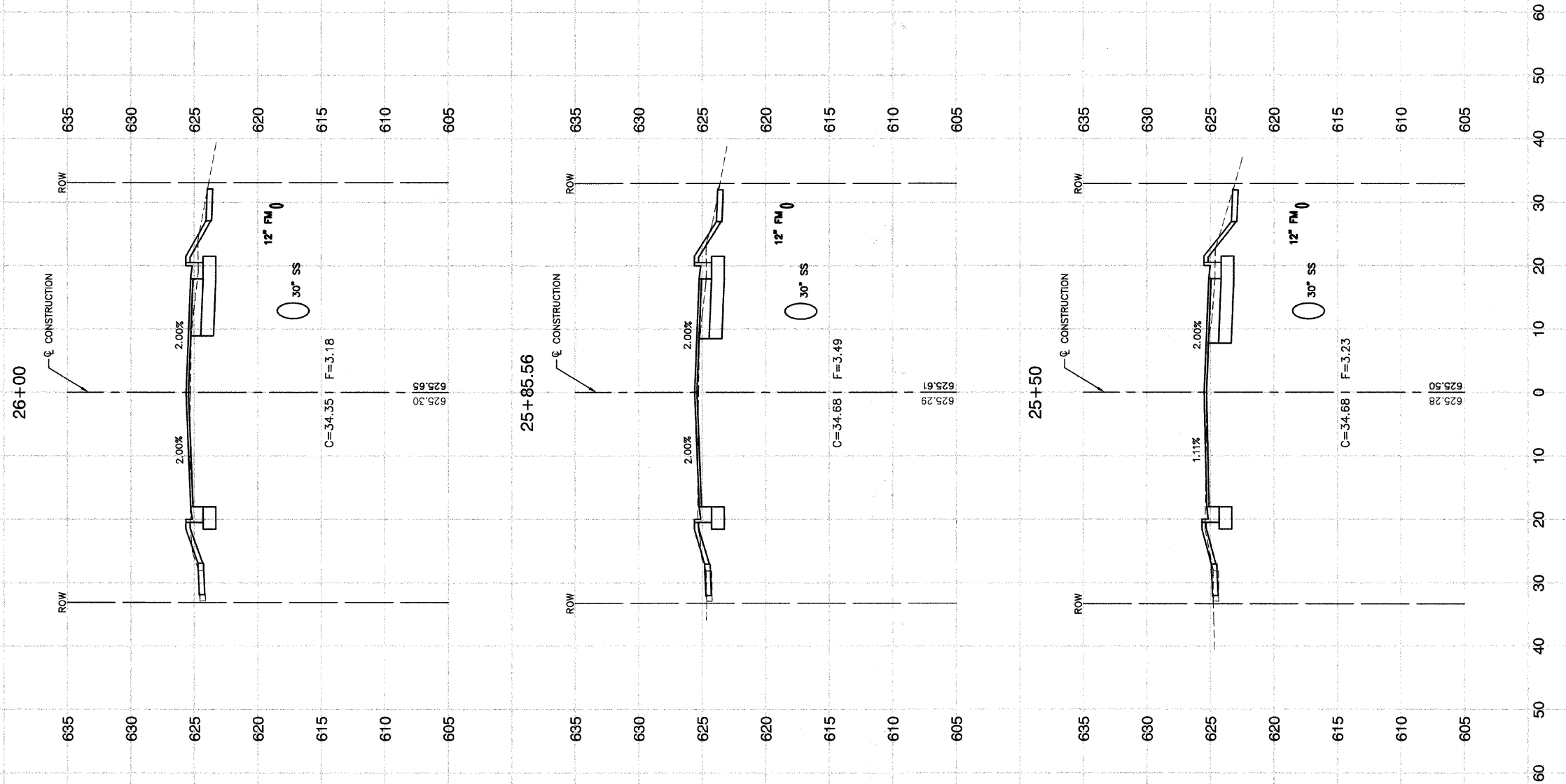
ILLINOIS DEPARTMENT OF TRANSPORTATION  
**MAIN STREET IMPROVEMENTS**  
**NORTH MAIN STREET TO CAMPBELL STREET**  
**CROSS SECTIONS**

SCALE: VERT. 1"=5'  
 HORIZ. 1"=10'  
 DATE 7-24-08  
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FAU R/E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3603	03-00049-00-FP	COOK	045	033
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M8003 (559)		

CONTRACT #63078



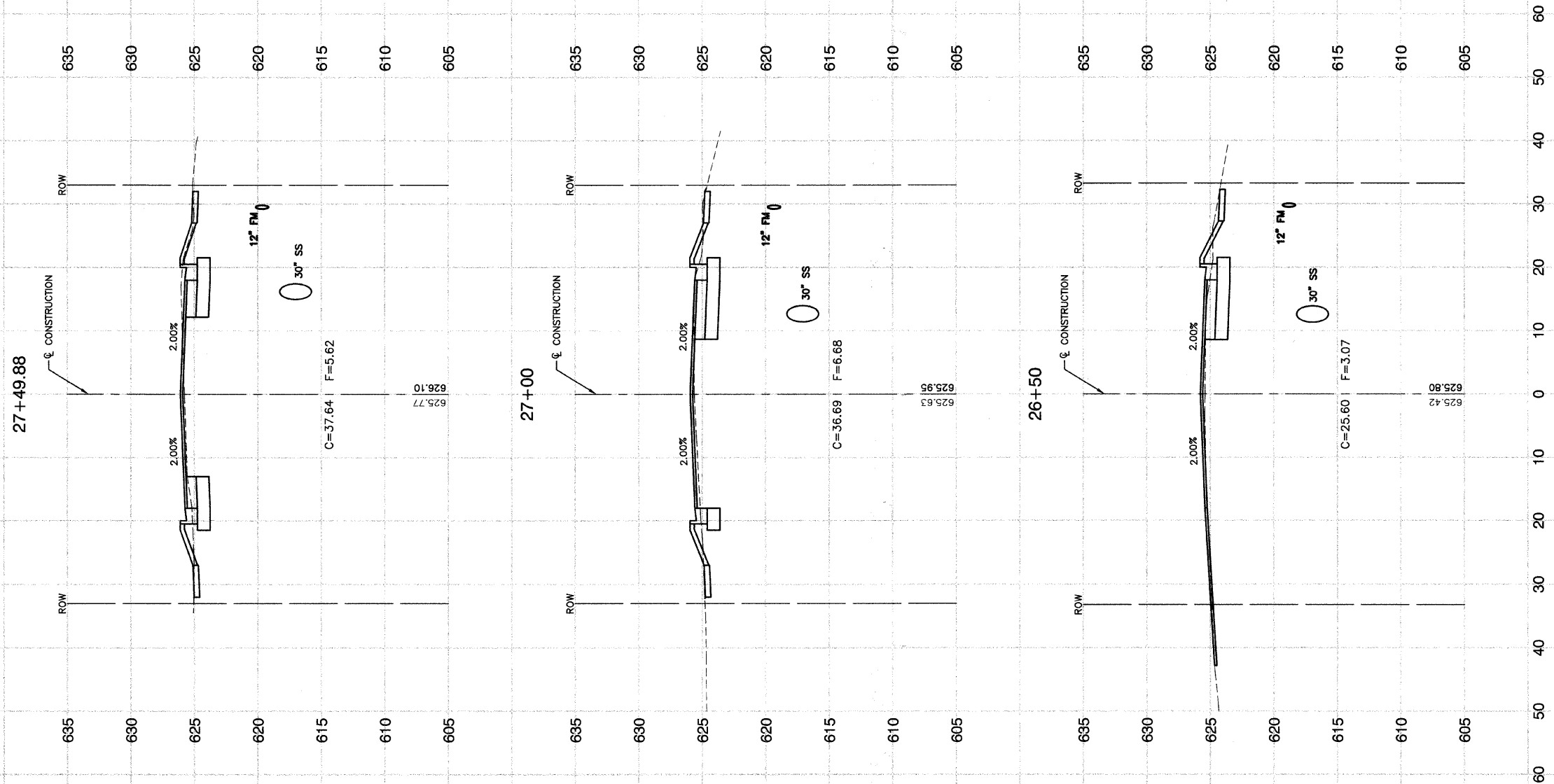
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**MAIN STREET IMPROVEMENTS**  
**NORTH MAIN STREET TO CAMPBELL STREET**  
**CROSS SECTIONS**

SCALE: VERT. 1"=5'  
 HORIZ. 1"=10'  
 DATE 7-24-08  
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FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3603	03-00049-00-FP	COOK	045	034
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT M8003 (559)	

CONTRACT #63078



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NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**MAIN STREET IMPROVEMENTS  
NORTH MAIN STREET TO CAMPBELL STREET  
CROSS SECTIONS**

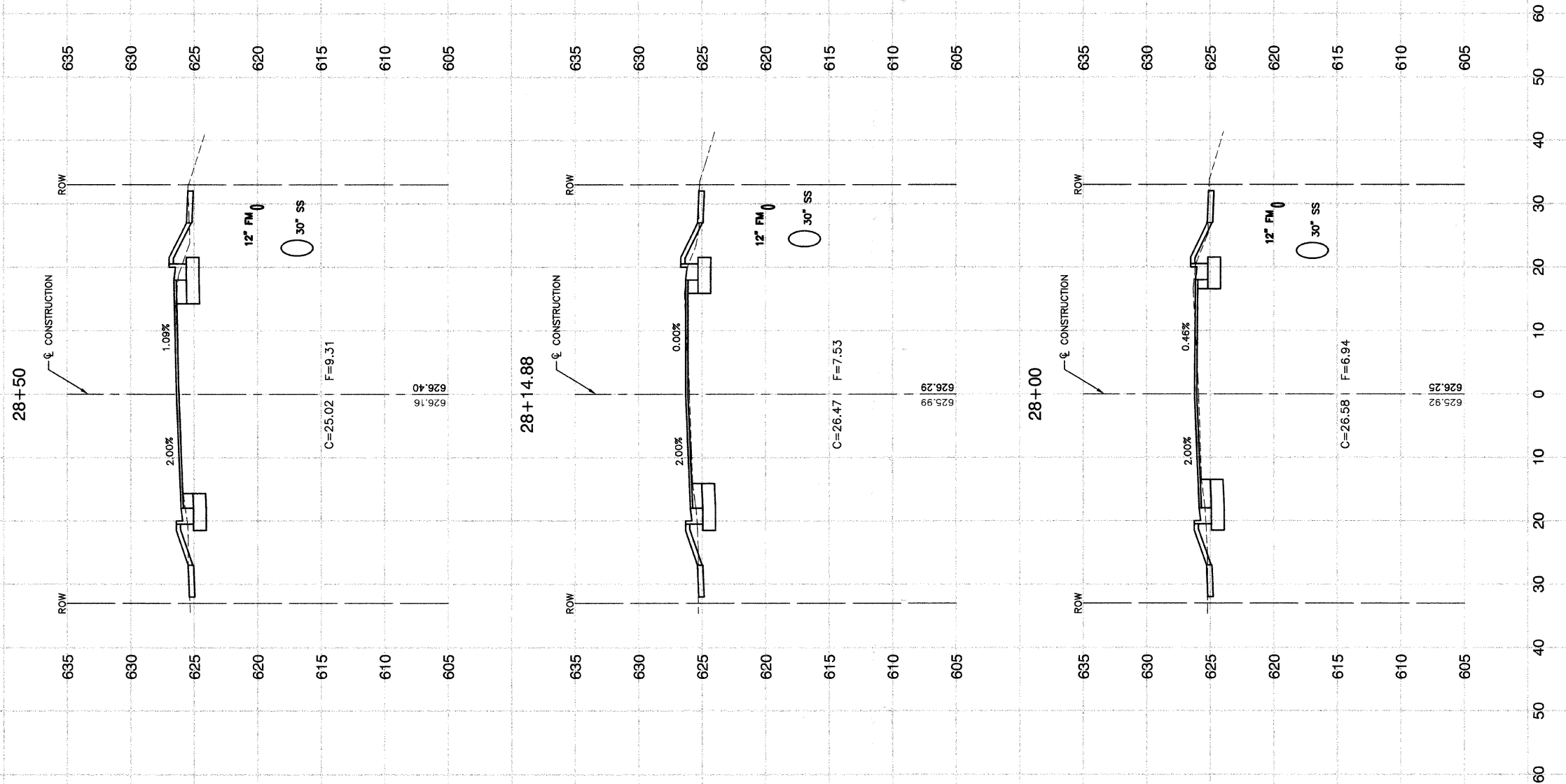
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DATE 7-24-08

DRAWN BY EC  
CHECKED BY WPD

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3603	03-00049-00-PP	COOK	045	035
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT M8003 (559)	

CONTRACT #63078



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NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**MAIN STREET IMPROVEMENTS  
NORTH MAIN STREET TO CAMPBELL STREET  
CROSS SECTIONS**

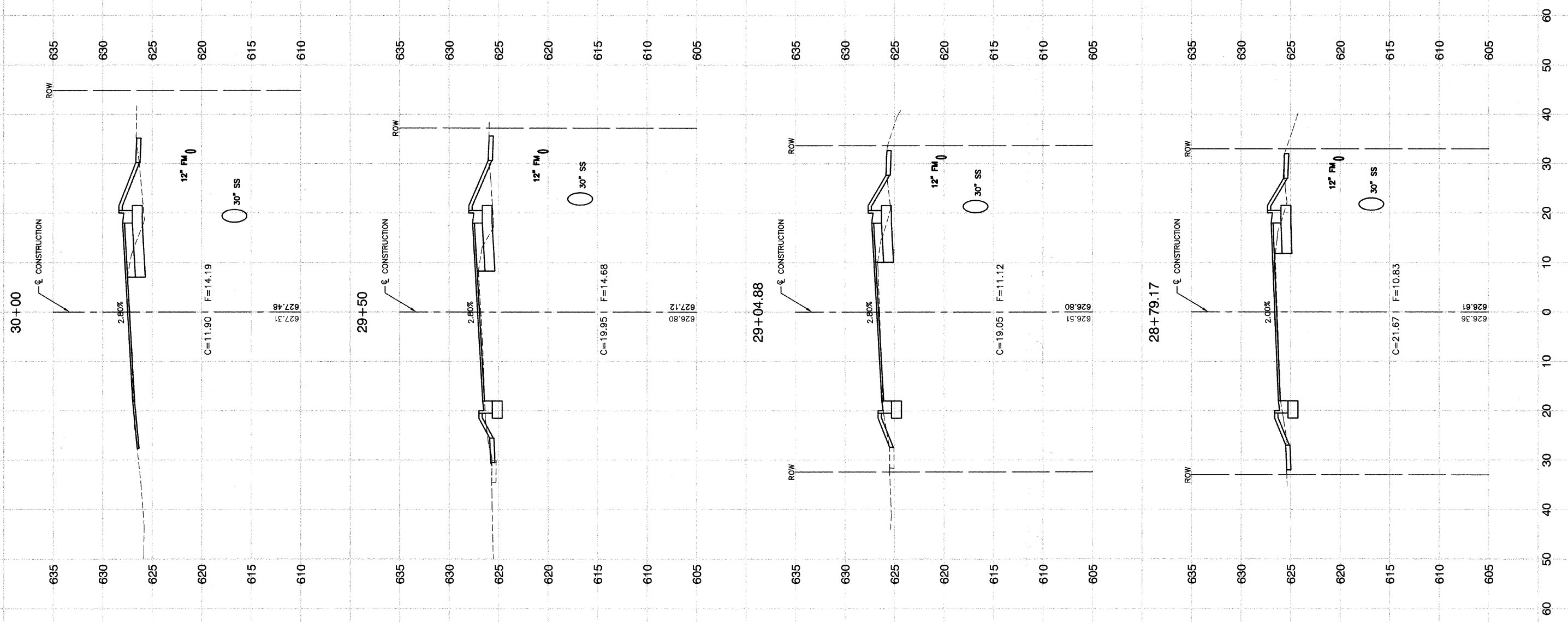
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DATE 7-24-08

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FAU R/E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3603	03-00049-00-FP	COOK	045	036
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT M8003 (559)	

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**MAIN STREET IMPROVEMENTS  
NORTH MAIN STREET TO CAMPBELL STREET  
CROSS SECTIONS**

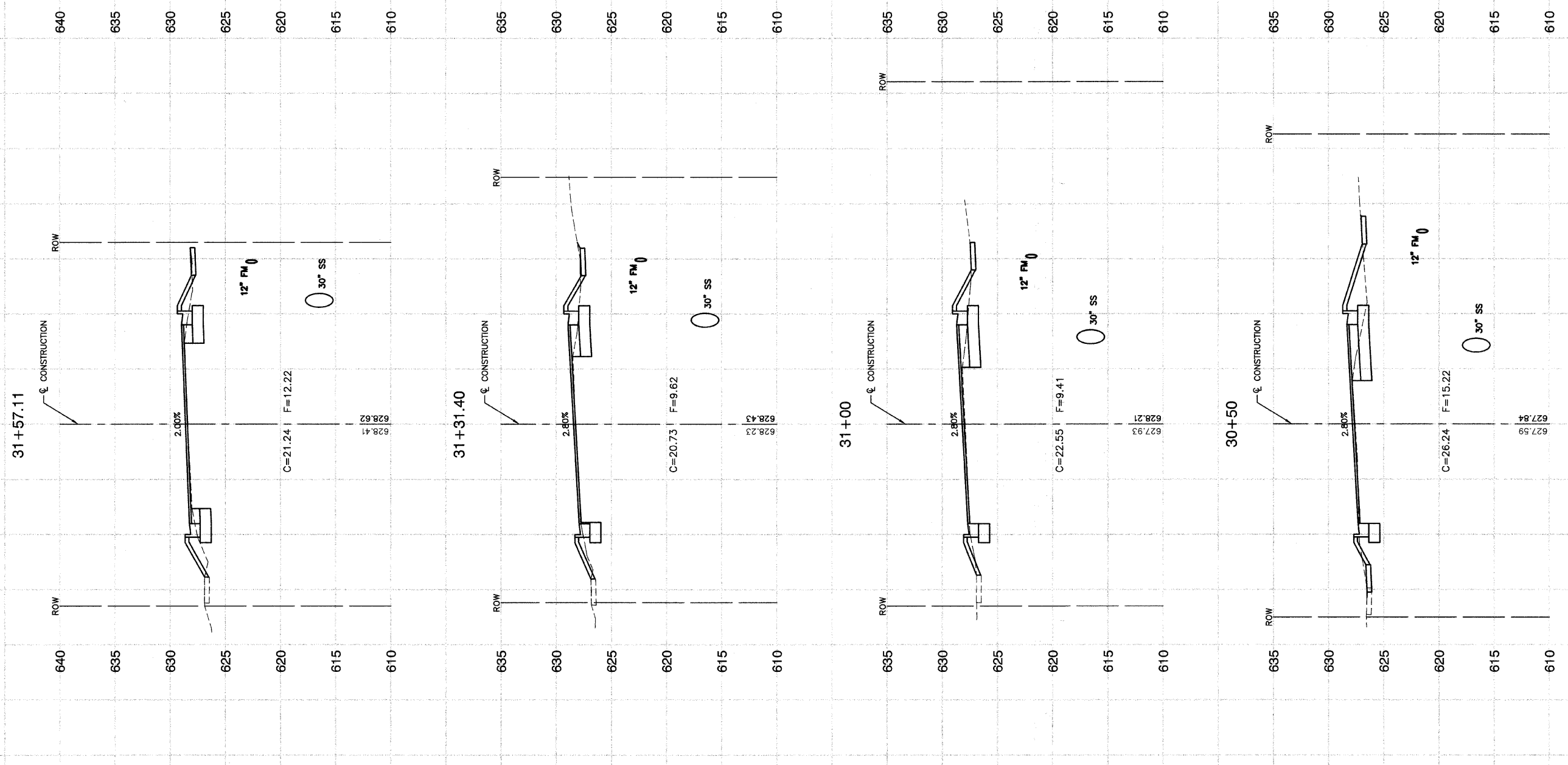
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DATE 7-24-08

DRAWN BY EC  
CHECKED BY WPD

FAU RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
3603	03-00049-00-FP	COOK	045	037
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT MB003 (559)	

CONTRACT #63078



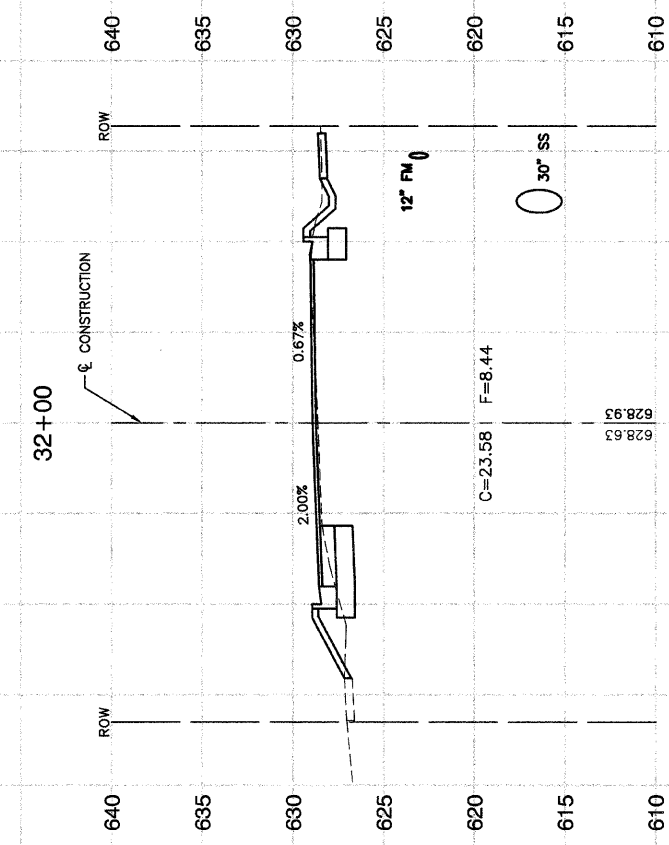
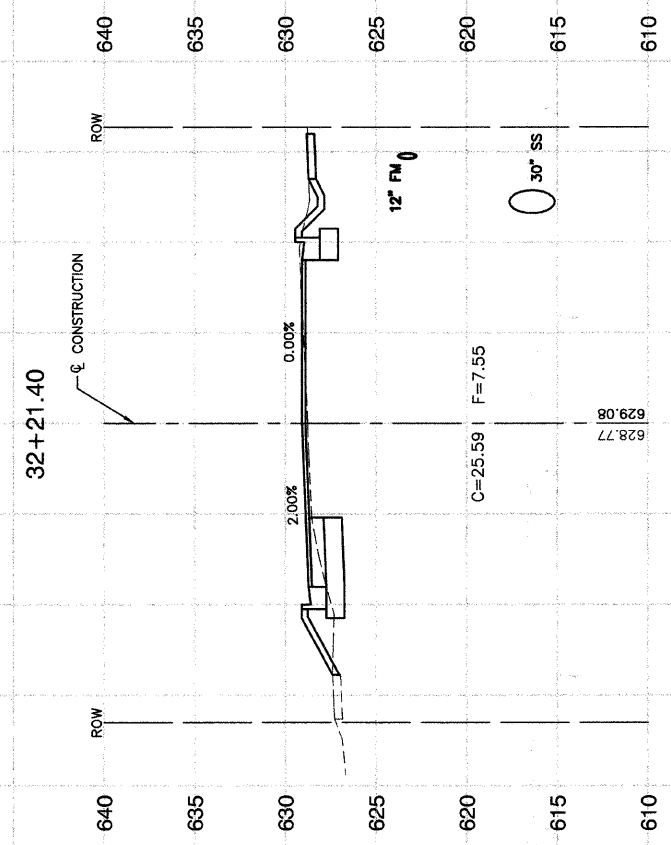
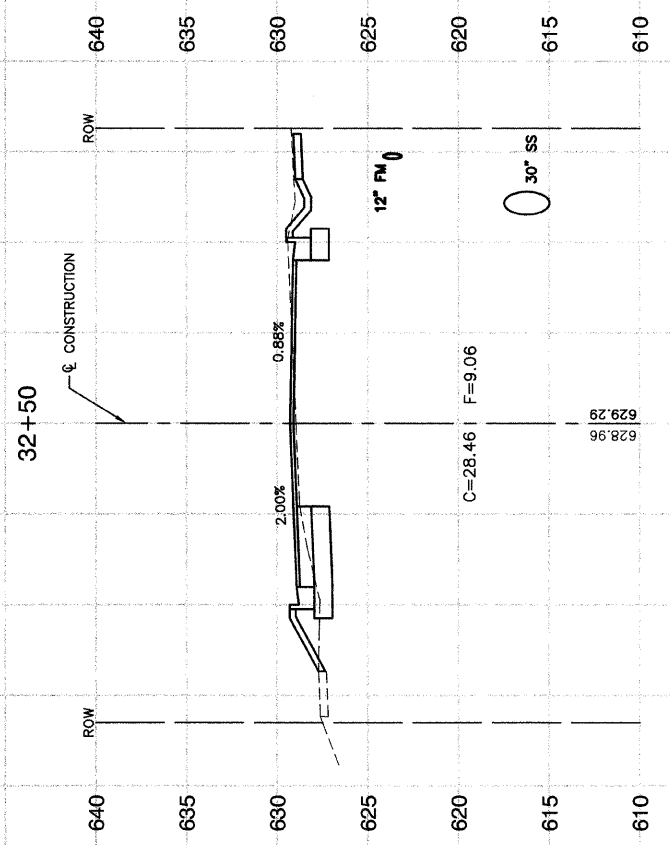
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**MAIN STREET IMPROVEMENTS**  
**NORTH MAIN STREET TO CAMPBELL STREET**  
**CROSS SECTIONS**

SCALE: VERT. 1"=5'  
 HORIZ. 1"=10'  
 DATE: 7-24-08  
 DRAWN BY: EC  
 CHECKED BY: WPD

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3603	03-00049-00-FP	COOK	045	038
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT MB003 (559)		

CONTRACT #63078



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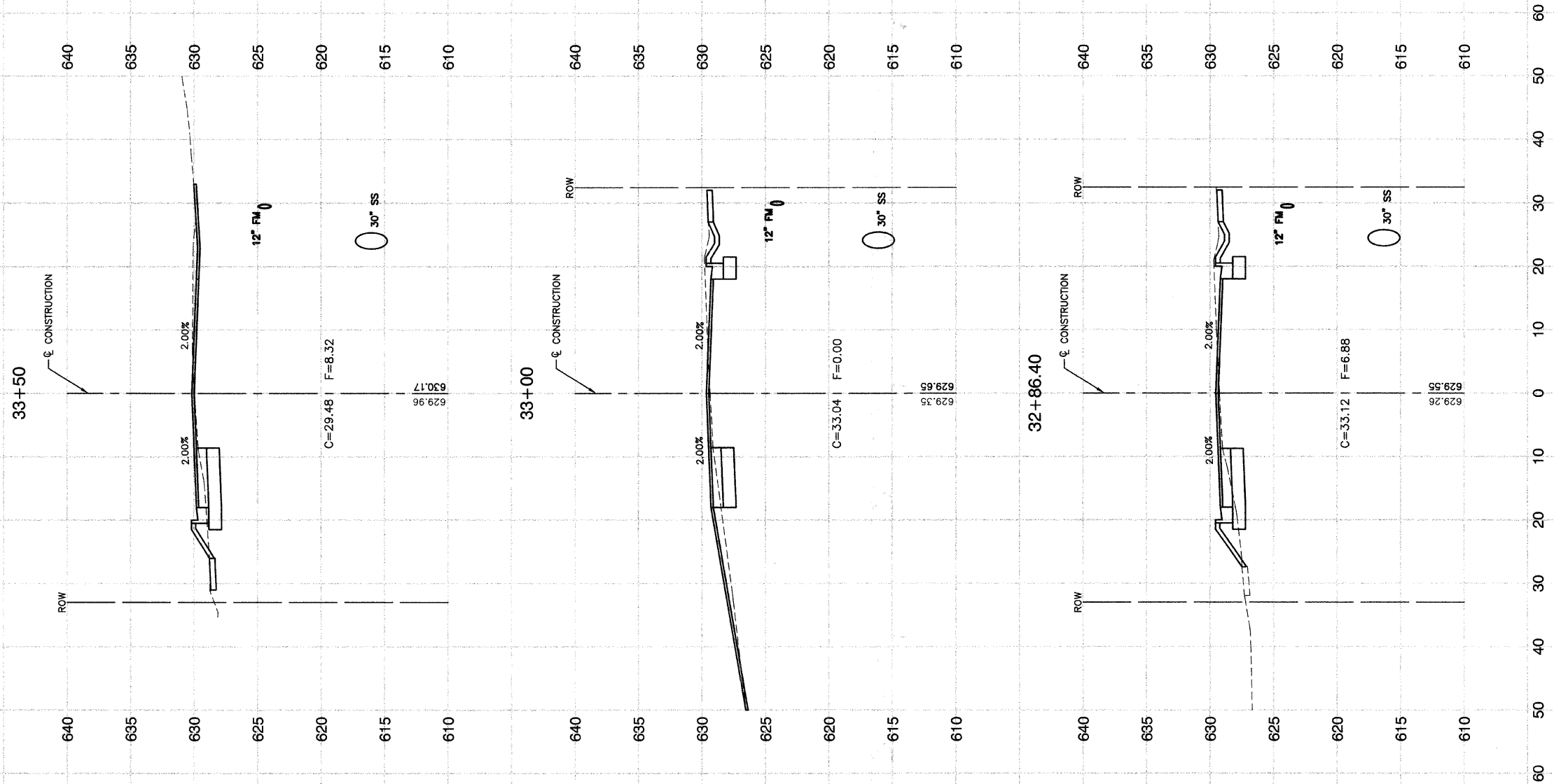
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**MAIN STREET IMPROVEMENTS**  
**NORTH MAIN STREET TO CAMPBELL STREET**  
**CROSS SECTIONS**

SCALE: VERT. 1"=5'  
 HORIZ. 1"=10'  
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FAU R/E	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
3603	03-00049-00-FP	COOK	045	039
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT M8003 (559)	

CONTRACT #63078



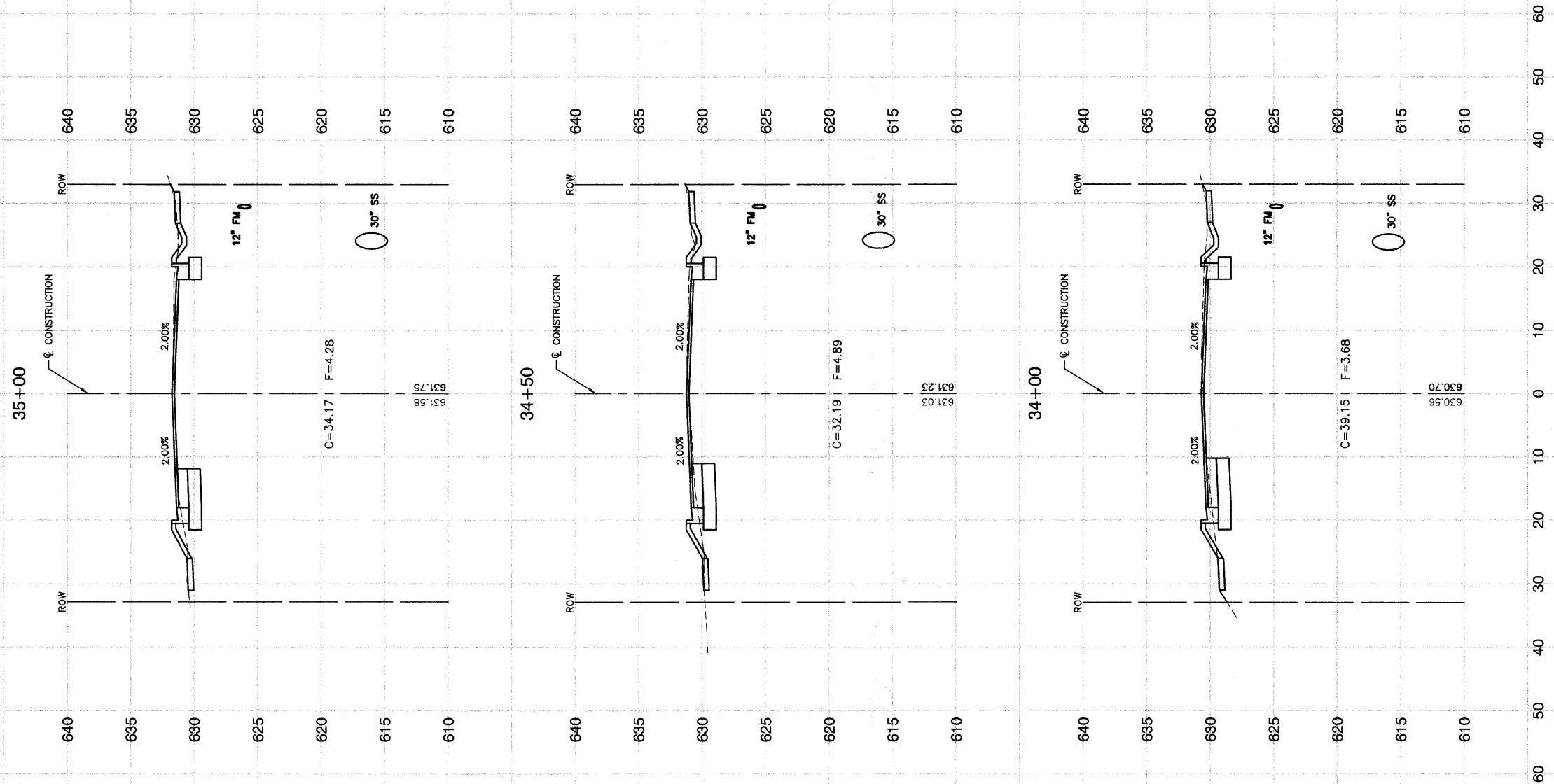
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**MAIN STREET IMPROVEMENTS**  
**NORTH MAIN STREET TO CAMPBELL STREET**  
**CROSS SECTIONS**

SCALE: VERT. 1"=5'  
 HORIZ. 1"=10'  
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FAU RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3603	03-00049-00-FP	COOK	045	040
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT MB003 (559)	

CONTRACT #63078



REVISIONS	
NAME	DATE

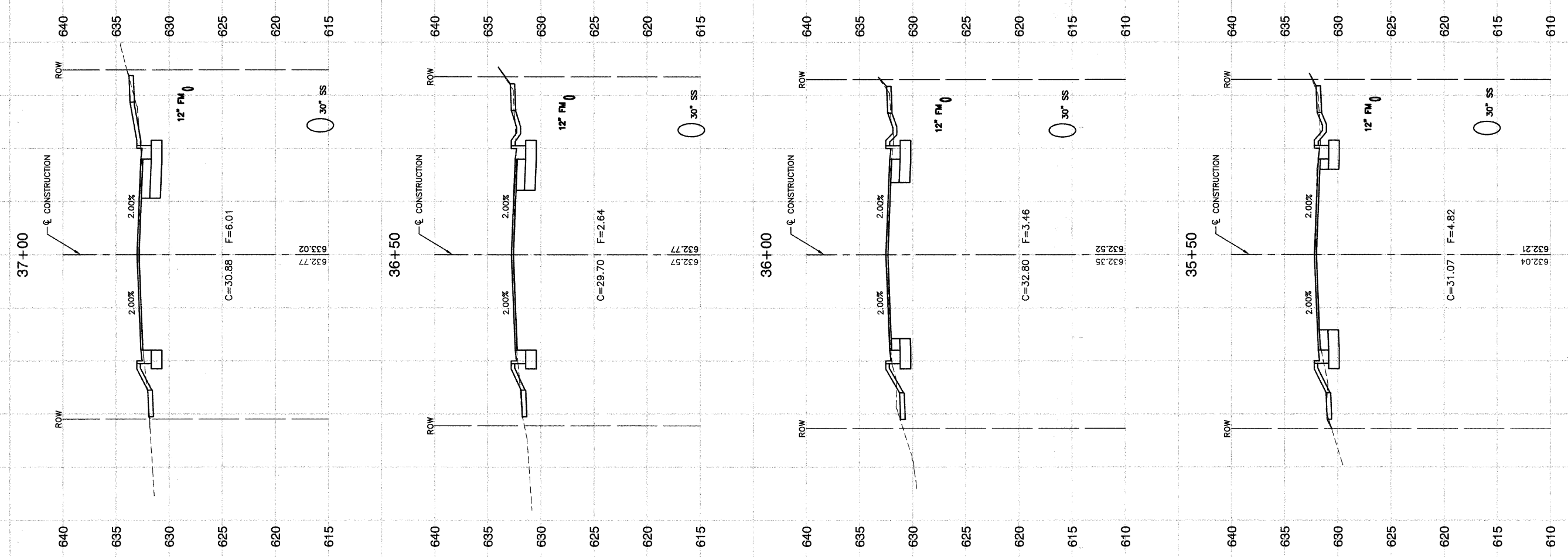
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**MAIN STREET IMPROVEMENTS**  
**NORTH MAIN STREET TO CAMPBELL STREET**  
**CROSS SECTIONS**

SCALE: VERT. 1"=5'  
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FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3603	03-00049-00-FP	COOK	045	041
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT M8003 (559)	

CONTRACT #63078



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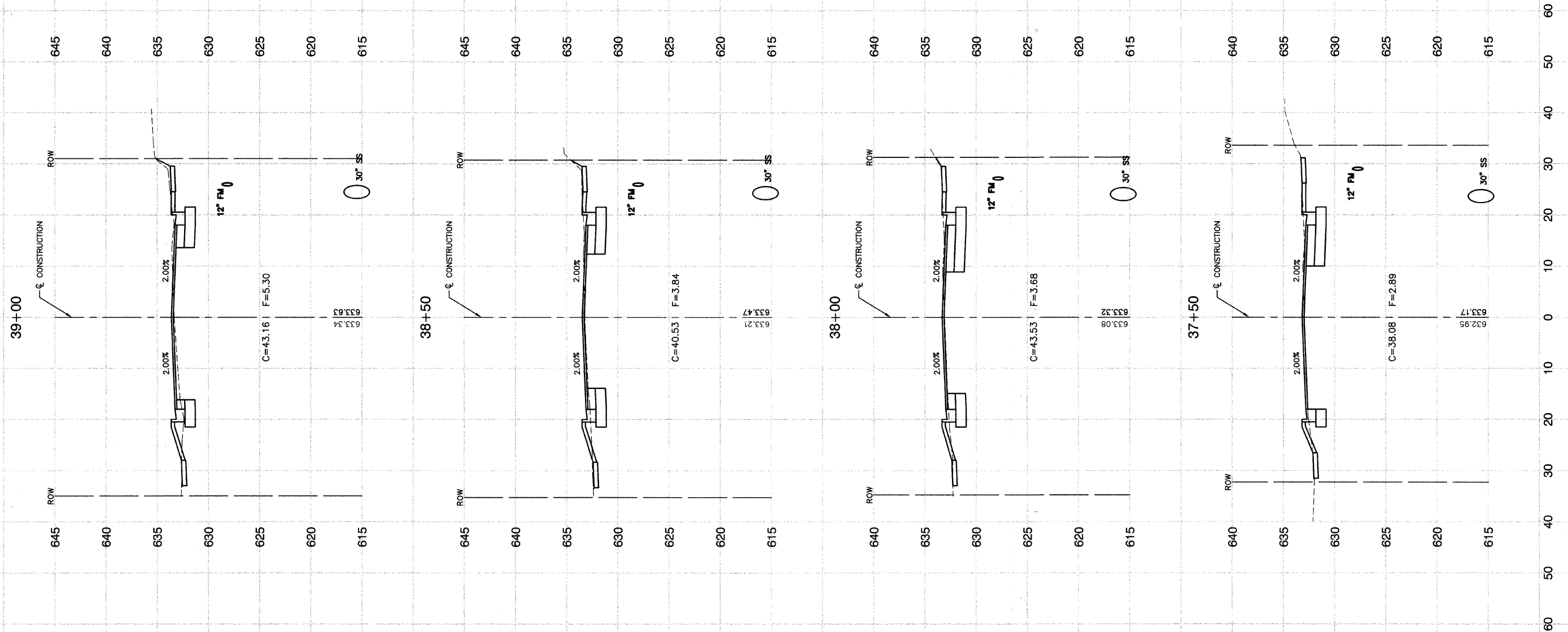
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NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**MAIN STREET IMPROVEMENTS  
NORTH MAIN STREET TO CAMPBELL STREET  
CROSS SECTIONS**

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HORIZ. 1"=10'  
DATE 7-24-08  
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FAU RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3603	03-00049-00-FP	COOK	045	042
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT MB003 (559)	

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**MAIN STREET IMPROVEMENTS  
NORTH MAIN STREET TO CAMPBELL STREET  
CROSS SECTIONS**

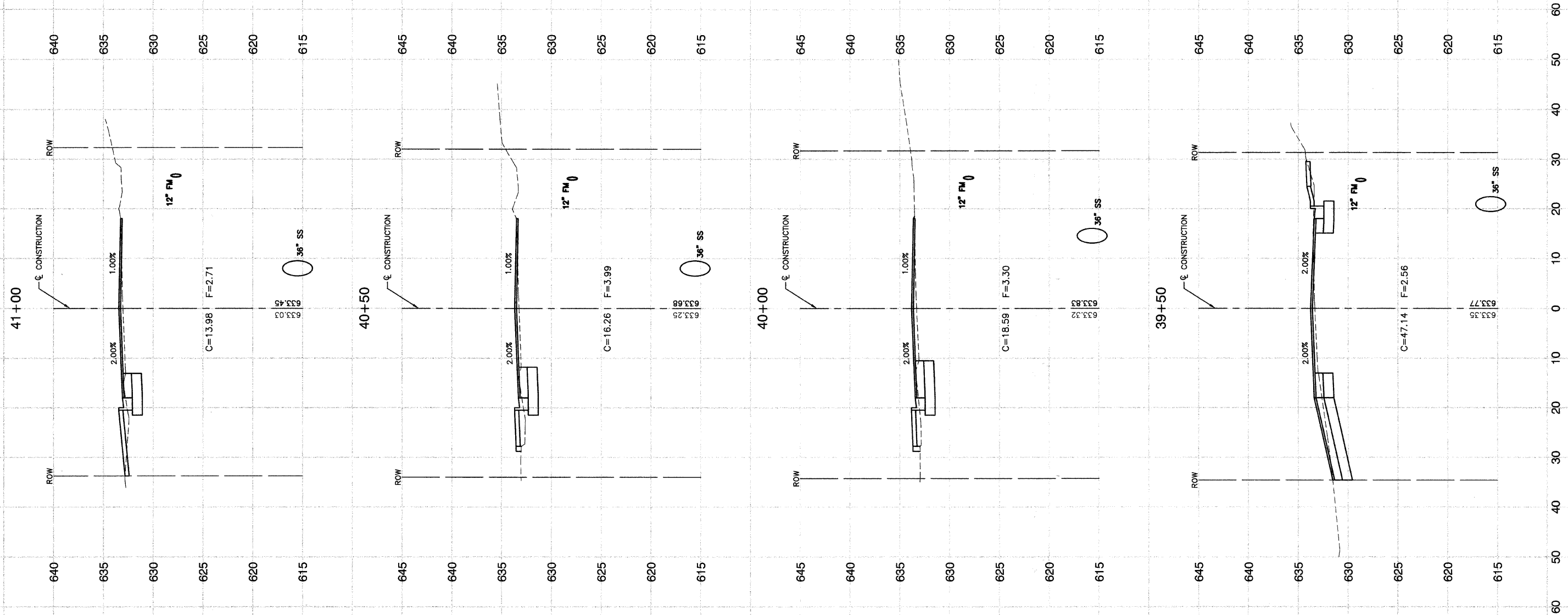
SCALE: VERT. 1"=5'  
HORIZ. 1"=10'

DATE 7-24-08

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FAU RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3603	03-00049-00-FP	COOK	045	043
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT MB003 (559)		

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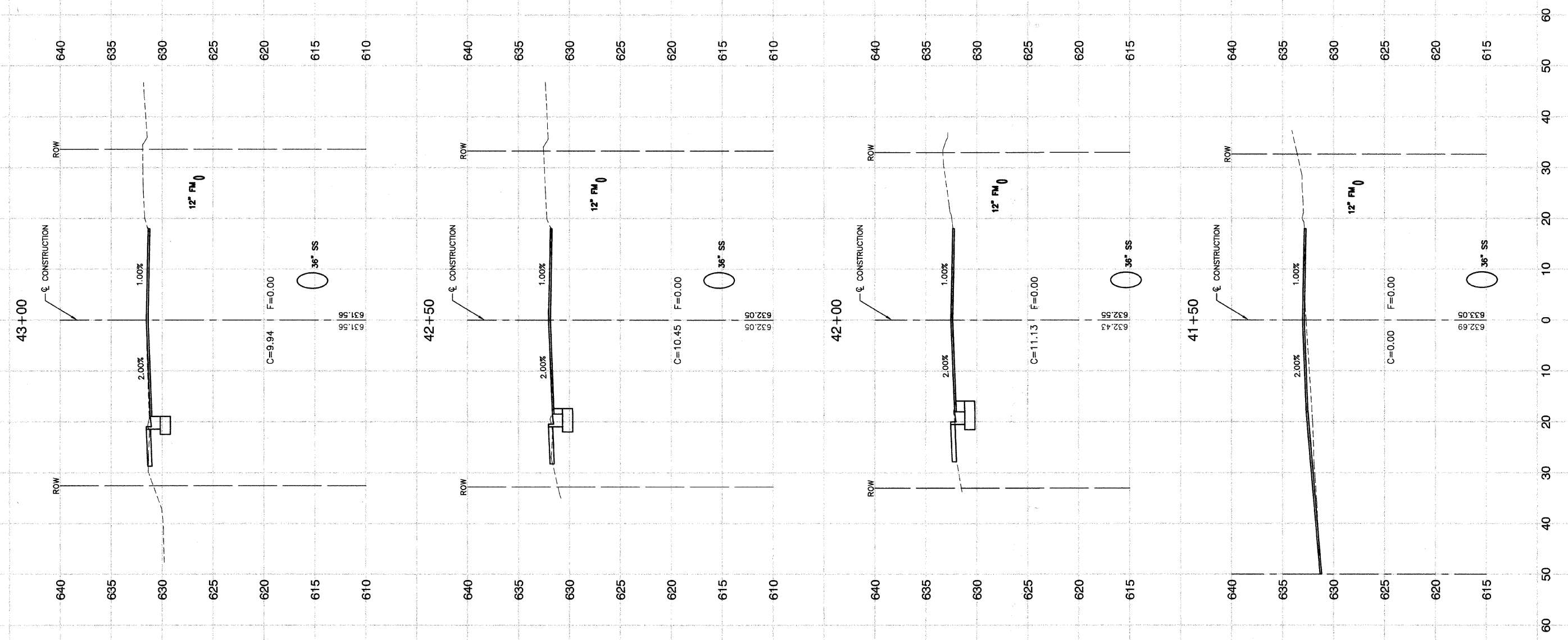
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ILLINOIS DEPARTMENT OF TRANSPORTATION  
**MAIN STREET IMPROVEMENTS**  
**NORTH MAIN STREET TO CAMPBELL STREET**  
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FAU RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3603	03-00049-00-FP	COOK	045	044
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT M8003 (559)	

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**MAIN STREET IMPROVEMENTS**  
**NORTH MAIN STREET TO CAMPBELL STREET**  
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SCALE: VERT. 1"=5'  
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PAU RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
3603	03-00049-00-FP	COOK	045	045
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT MB003 (559)	

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**MAIN STREET IMPROVEMENTS  
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**ROBINSON ENGINEERING, LTD.**  
17000 SOUTH PARK AVENUE SOUTH HOLLAND, ILLINOIS 60473  
(708) 321-6700 FAX (708) 321-6828  
ILLINOIS DESIGN FIRM REGISTRATION NO. 194401158 02268-XSEC-01 -17