

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7170	08-00277-00-PV	CHAMPAIGN	44	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 91397		

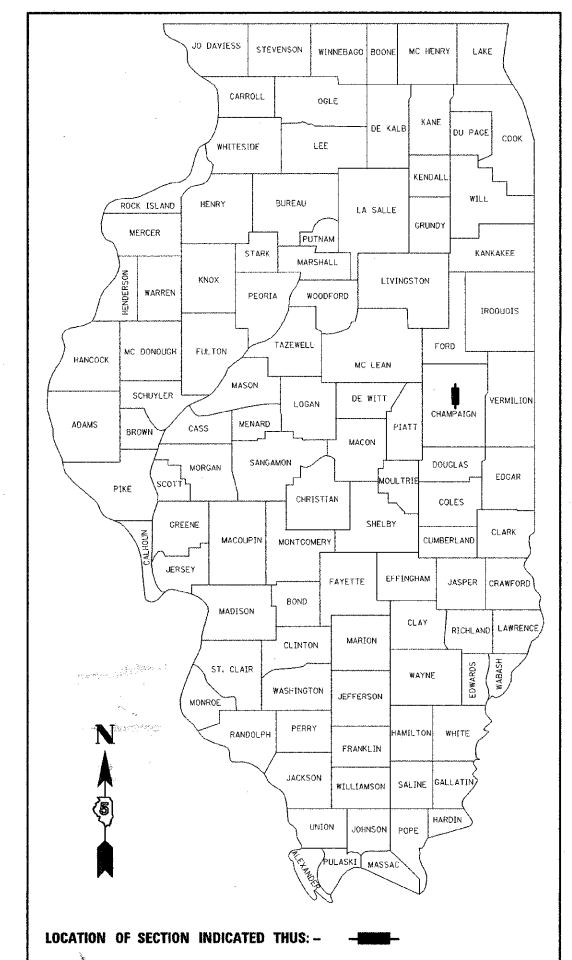
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
**PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY**

**INDEX OF SHEETS**

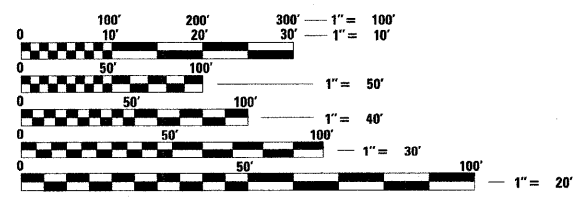
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PLAN 1 INCH = 20 FEET  
 PROFILE HORIZ. 1 INCH = 20 FEET  
 PROFILE VERT. 1 INCH = 5 FEET  
 CROSS SECTIONS HORIZ. 1 INCH = 10 FEET  
 CROSS SECTIONS VERT. 1 INCH = 5 FEET

**CITY OF CHAMPAIGN  
CHAMPAIGN COUNTY, ILLINOIS  
SECTION NO. 08-00277-00-PV  
PROJECT ARA-HD-5181 (044)  
JOB NO. C-95-321-08  
CHAMPAIGN PROJECT NO. 23-0000-07900-0195  
FIRST STREET - F.A.U. ROUTE 7170**



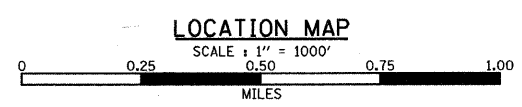
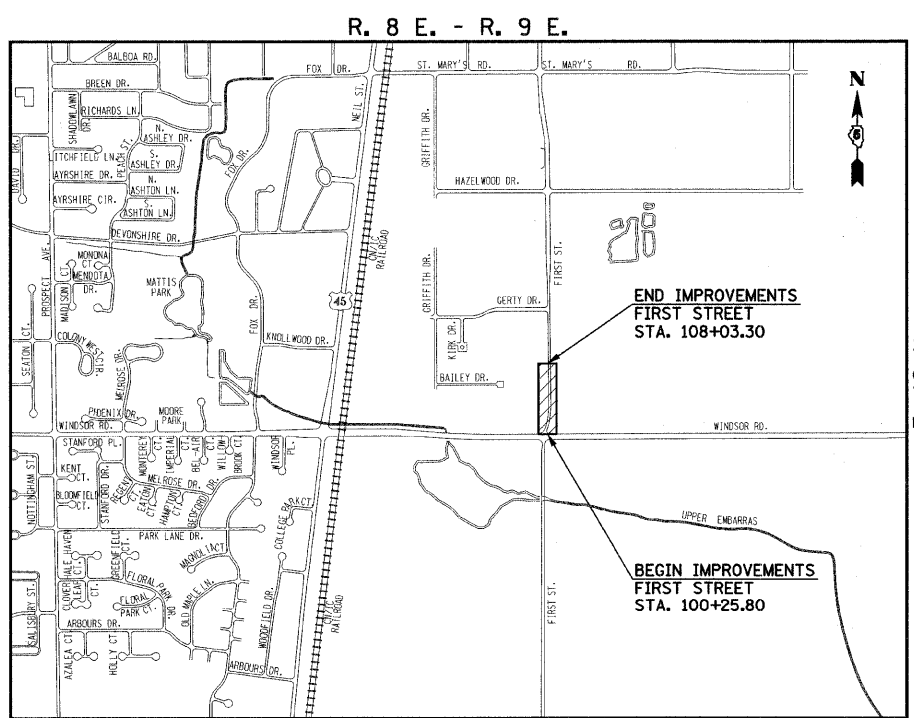
**ILLINOIS HIGHWAY STANDARD DRAWINGS**  
(SEE SHEET NO. 3)



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. 91397**



TOTAL LENGTH OF FIRST STREET IMPROVEMENTS = 777.50 FEET = 0.15 MILES  
 TOTAL LENGTH OF IMPROVEMENTS = 777.50 FEET = 0.15 MILES

**DESIGN DESIGNATION**  
FIRST STREET (CLASS I)  
2150 (29) ARTERIAL 1.84 (PCC 20)  
2019 ADT = 17,900

*[Signature]*  
PROFESSIONAL ENGINEER  
CLIFF DIETZ, INC.  
DATE: 5 Feb 09  
LICENSE EXPIRES 11-30-09

CITY OF CHAMPAIGN

APPROVED February 5 20 09  
*[Signature]*  
CHAMPAIGN CITY ENGINEER

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

Released for Bid Based on Limited Review  
March 3 20 09  
*[Signature]*  
REGION 3 ENGINEER

PASSED 3/2 20 09  
*[Signature]*  
DISTRICT ENGINEER OF LOCAL ROADS AND STREETS

**PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS**



**Clark Dietz**  
ENGINEERS

1817 SOUTH NEIL STREET  
SUITE 100  
CHAMPAIGN, IL 61820  
PHONE : 217.373.8900  
FAX : 217.373.8923

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# GENERAL NOTES

1. ALL ELEVATIONS SHOWN ARE REFERRED TO THE N.A.V.D. 88 DATUM.
2. WHEREVER IN THE PLANS OR SPECIFICATIONS THE TERM "STANDARD SPECIFICATIONS" IS USED IT SHALL BE UNDERSTOOD BY THE CONTRACTOR TO MEAN THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AS PREPARED BY THE DEPARTMENT OF TRANSPORTATION OF THE STATE OF ILLINOIS AND ADOPTED ON JANUARY 1, 2007.
3. WHEREVER IN THE PLANS OR SPECIFICATIONS THE TERM "STANDARD SPECIFICATIONS FOR WATER MAIN AND SEWER CONSTRUCTION" IS USED IT SHALL BE UNDERSTOOD BY THE CONTRACTOR TO MEAN THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" AS PREPARED BY I.S.P.E., A.G.C.I., I.M.L., AND U.C.A., ADOPTED MAY 1996.
4. ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE DEPARTMENT AS SHOWN ON THE HIGHWAY STANDARDS AND LEGEND SHEET NO. 3.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THE PROJECT.
6. THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION.
7. THE CONTRACTOR SHALL TAKE CARE NOT TO STORE OR DISPOSE OF DEBRIS OR UNSUITABLE MATERIALS WITHIN LIMITS OF THE IMPROVEMENT AND TAKE CARE TO LIMIT CONSTRUCTION TO WITHIN THE RIGHT-OF-WAY AND EASEMENT AREAS. UNNECESSARY ENCROACHMENTS ONTO PRIVATE OR PUBLIC AREAS WILL NOT BE ALLOWED.
8. WHERE SECTION OR SUBSECTION MONUMENTS, BENCHMARKS, OR IRON PIPE MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN ILLINOIS REGISTERED LAND SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN ILLINOIS REGISTERED LAND SURVEYOR RE-ESTABLISH ANY MONUMENTS UNNECESSARILY DESTROYED BY HIS OPERATIONS.
9. ALL STREET RETURNS HAVE RADII DESIGNATED TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED ON THE PLANS.
10. THE EXCAVATION FOR THIS PROJECT IS CLASSIFIED AS EARTH EXCAVATION IN ACCORDANCE WITH SECTION 202 OF THE STANDARD SPECIFICATIONS. THE EARTH EXCAVATION SHALL INCLUDE THE REMOVAL OF EARTH AND UNCLASSIFIED MATERIALS, AND THE TRANSPORTATION AND PLACEMENT OF SUITABLE MATERIALS IN EMBANKMENTS. THE REMAINING EXCAVATION IS CLASSIFIED AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL, TOPSOIL EXCAVATION AND PLACEMENT, PAVEMENT REMOVAL, CURB AND GUTTER REMOVAL, DRIVEWAY PAVEMENT REMOVAL, SIDEWALK REMOVAL AND BITUMINOUS CONCRETE SHOULDER REMOVAL.
11. IT MAY BE NECESSARY TO UNDERCUT AND REMOVE EARTH AND ORGANIC MATERIAL BELOW THE PROPOSED PAVEMENT SYSTEM AS DIRECTED BY THE ENGINEER. ALL UNSTABLE, UNSUITABLE, OR ORGANIC MATERIAL SHALL BE DISPOSED OF AS DIRECTED BY THE ENGINEER. MATERIALS THAT ARE REMOVED AND ARE NOT CLASSIFIED AS EARTH EXCAVATION OR TOPSOIL REMOVAL SHALL BE MEASURED AND PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL. SEE THE "SUBGRADE REMOVAL AND REPLACEMENT DETAIL" ON THE PROPOSED TYPICAL SECTIONS SHEET FOR ADDITIONAL INFORMATION.
12. ALL EXISTING STUMPS WHICH LIE WITHIN RIGHT-OF-WAY LIMITS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER. ALL STUMPS REMOVED SHALL BE CLASSIFIED AND PAID FOR AS TREE REMOVAL.
13. TREES TO BE REMOVED: THE INDICATED TREES (INCLUDING STUMPS) TO BE REMOVED SHALL BE SUITABLY MARKED BY THE ENGINEER BEFORE TREE REMOVAL OPERATIONS BEGIN. ALL TREES, STUMPS AND ROOTS SHALL BE COMPLETELY REMOVED AND DISPOSED OF. THIS WORK SHALL BE INCLUDED IN THE COST OF THE TREE REMOVAL AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
14. TREES TO BE SAVED: PARTICULAR EFFORT SHALL BE MADE TO SAVE ALL DESIRABLE EXISTING TREES OR SHRUBS. ONLY A MINIMUM OF GRADING WILL BE PERMITTED AROUND TREES AS DETERMINED BY THE ENGINEER. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR UNNECESSARY DAMAGE TO TREES, SHRUBS, OR LANDSCAPING INTENDED TO BE SAVED.
15. THE FINISHED EARTHWORK SHALL HAVE VEGETATIVE SUSTAINING SOIL COVERING THE TOP 6 INCHES IN AREAS TO BE SODDED OR SEEDED. THE TOPSOIL REQUIRED WILL BE PAID FOR PER CUBIC YARD FOR TOPSOIL EXCAVATION AND PLACEMENT.
16. ONLY EXISTING PAVEMENT, BASE COURSES AND DRIVEWAY PAVEMENTS COMPOSED OF PORTLAND CEMENT CONCRETE, ASPHALT OR A MIX OF ASPHALT/OIL AND CHIP SHALL BE MEASURED AND PAID FOR AS "PAVEMENT REMOVAL" OR "DRIVEWAY PAVEMENT REMOVAL" AS THE CASE MAY BE IN ACCORDANCE WITH SECTION 440 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS. REMOVAL OF OTHER TYPES OF PAVEMENT COMPOSITION SUCH AS AGGREGATE OR A MIX OF AGGREGATE/OIL AND CHIP SHALL BE MEASURED AND PAID FOR AS "EARTH EXCAVATION" IN ACCORDANCE WITH SECTION 202 OF THE STANDARD SPECIFICATIONS.
17. ALL DISTURBED AREAS SHALL BE SODDED OR SEEDED AS SHOWN ON THE PLANS. SEEDING, SODDING, AND MULCHING SHALL BE DONE AS SOON AS EACH STAGE IS COMPLETED AS DIRECTED BY THE ENGINEER. EXISTING TURF WHICH IS DAMAGED OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY OR EASEMENTS SHALL BE REESTABLISHED WITH SOD OR SEED AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
18. THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES:  

AGGREGATE MATERIALS	2.05 TON/CU YD
HOT-MIX ASPHALT (ALL TYPES)	112 LBS/SQ YD/IN THICK
19. UTILITY LOCATIONS WERE PLOTTED FROM INFORMATION FURNISHED BY THE VARIOUS UTILITY COMPANIES AND THEIR ACCURACY SHOULD BE CONSIDERED APPROXIMATE. NO RESPONSIBILITY IS ACCEPTED FOR THE LOCATIONS AS SHOWN OR THAT ALL UTILITY FACILITIES ARE SHOWN. UTILITY LOCATIONS SHOWN IN THE PLANS AND PROFILES ARE APPROXIMATE AND REPRESENT LOCATIONS PRIOR TO ANY UTILITY RELOCATIONS REQUIRED TO ACCOMMODATE THE PROPOSED CONSTRUCTION. THE CONTRACTOR IS ADVISED THAT SOME UTILITY COMPANIES MAY HAVE RELOCATED THEIR FACILITIES PRIOR TO THE START OF CONSTRUCTION UNDER THIS CONTRACT. BEFORE COMMENCING CONSTRUCTION OPERATIONS THE CONTRACTOR SHALL OBTAIN FROM THE ENGINEER ANY AVAILABLE INFORMATION REGARDING THE RELOCATED POSITIONS OF UTILITIES WITHIN THE PROJECT LIMITS. WHETHER VARIOUS UTILITIES HAVE BEEN RELOCATED OR REMAIN IN THEIR ORIGINAL LOCATION, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THEIR EXACT LOCATION AT THE TIME OF CONSTRUCTION AND TO PROTECT SAME. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR AVOIDING CONFLICTS BETWEEN OVERHEAD UTILITY LINES AND THE EQUIPMENT USED FOR EXCAVATING. SEE "STATUS OF UTILITIES" SHEET WITHIN THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION REGARDING KNOWN UTILITY RELOCATIONS OR ADJUSTMENTS REQUIRED FOR THE PROPOSED CONSTRUCTION. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE SPECIAL PROVISION ENTITLED "COOPERATION WITH UTILITIES" AND ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS.
20. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE JULIE NUMBER IS 800-892-0123. THE UNIVERSITY OF ILLINOIS LOCATE SERVICE NUMBER IS 217-333-3463. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED.
22. UTILITY OWNERS:  
  - \*INDICATES J.U.L.I.E. MEMBER
  - \*URBANA-CHAMPAIGN SANITARY DISTRICT  
P.O. BOX 669  
URBANA, ILLINOIS 61803  
(217) 367-3409
  - \*ILLINOIS-AMERICAN WATER COMPANY  
201 DEVONSHIRE DR.  
CHAMPAIGN, ILLINOIS 61820  
(217) 373-3258
  - \*AMEREN IP  
(ELECTRICAL DIST./GAS)  
1112 ANTHONY DRIVE  
URBANA, ILLINOIS 61801  
(217) 383-7280
  - \*COMCAST  
303 FAIRLAWN DRIVE  
URBANA, ILLINOIS 61801  
(217) 384-2510
  - \*AT&T  
201 S. NEIL STREET  
CHAMPAIGN, ILLINOIS 61820  
(217) 398-7990
  - \*UNIVERSITY OF ILLINOIS  
OPERATION & MAINTENANCE  
PHYSICAL PLANT SERVICE BUILDING  
1501 S. OAK STREET  
CHAMPAIGN, ILLINOIS 61821  
(217) 333-3463
  - \*PAETEC (FORMERLY MCLEOD USA)  
30486 EAST 400 NORTH ROAD  
STRAWN, ILLINOIS 61775  
(309) 838-0788
23. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE REMOVED AND DISPOSED OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS APPROVED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.
24. ALL SALVAGEABLE FRAMES AND GRATES WHICH ARE NOT INCORPORATED IN THE WORK SHALL BECOME THE PROPERTY OF THE CONTRACTOR. THE CONTRACTOR'S BID PRICE FOR VARIOUS STORM DRAINAGE WORK SHOULD REFLECT THE SALVAGE VALUE OF THE ITEMS.
25. ALL TRENCHES AND EXCAVATIONS FOR DRAINAGE PIPES, STRUCTURES, OR STRUCTURE REMOVALS BELOW OR WITHIN TWO FEET LATERALLY OF THE PROPOSED PAVEMENT, SHOULDER, DRIVEWAY PAVEMENT, SIDEWALK OR CURB AND GUTTER SHALL BE BACKFILLED WITH CONTROLLED LOW-STRENGTH MATERIAL (CLSM) AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND THE DETAIL IN THE PLANS. THE BACKFILLING WITH CONTROLLED LOW-STRENGTH MATERIAL AROUND DRAINAGE STRUCTURES WILL NOT BE MEASURED FOR PAYMENT AND SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR THE VARIOUS TYPES OF DRAINAGE STRUCTURES.
26. STORM SEWER, WATER MAIN QUALITY IS TO BE USED AT LOCATIONS WHERE LATERAL SEPARATION BETWEEN THE SEWER AND WATER MAIN IS LESS THAN 10 FEET OR WHERE THE WATER MAIN CROSSES BELOW THE SEWER, REGARDLESS OF VERTICAL SEPARATION OR WHERE THE BOTTOM OF THE WATER MAIN IS LESS THAN 18 INCHES ABOVE THE TOP OF THE SEWER. THE MATERIAL SHALL BE CONCRETE PRESSURE PIPE OR DUCTILE IRON PIPE MEETING THE REQUIREMENTS OF SECTIONS 40-2.01 AND 40-2.02 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS. PVC PIPE WILL NOT BE ALLOWED.
27. THE TOP-OF-FRAME ELEVATIONS REFERRED TO IN THE DRAINAGE STRUCTURE CALL-OUTS FOR A TYPE 1 FRAME AND LID ARE TAKEN ADJACENT TO THE PAVEMENT OR GROUND SURFACE.
28. THE TOP-OF-FRAME ELEVATIONS REFERRED TO IN THE DRAINAGE STRUCTURE CALL-OUTS FOR A TYPE 3 AND TYPE 3V FRAME AND GRATE PLACED WITHIN TYPE B-6.18 CURB AND GUTTER ARE TAKEN ALONG THE EDGE OF FRAME WHICH IS COLINEAR WITH THE EDGE OF PAVEMENT. THIS FRAME ELEVATION IS THUS EQUAL TO THE ADJACENT EDGE OF PAVEMENT ELEVATION FOR P.C. CONCRETE PAVEMENTS. THE TYPE 3 AND TYPE 3V FRAME AND GRATES SHALL ALSO BE PROVIDED WITH OPEN FACE CURB BOXES AS AS DESCRIBED IN THE SPECIAL PROVISIONS. SEE THE DRAINAGE STRUCTURE FRAME AND GRATE DETAIL ON THE MISCELLANEOUS DETAIL SHEET.
29. WHEN CONNECTIONS ARE TO BE MADE TO EXISTING PIPING AND STRUCTURES, THE LOCATION AND ELEVATION OF THE EXISTING PIPING SHALL BE FIELD VERIFIED AND NOTIFICATION GIVEN TO THE ENGINEER IF THE EXISTING PIPING OR STRUCTURE IS FOUND TO BE DIFFERENT THAN THAT SHOWN ON THE DRAWINGS. WHERE SUCH DISCREPANCY IS FOUND, WORK SHALL NOT PROCEED UNTIL DIRECTED ACCORDINGLY BY THE ENGINEER.
30. WHERE PROPOSED STORM SEWERS ARE TO BE CONNECTED INTO EXISTING MANHOLES OR EXISTING STORM SEWERS THE CONNECTIONS SHALL BE MADE IN A WORKMANLIKE MANNER AND MASONRY CONSTRUCTED AROUND THEM SO AS TO PREVENT LEAKAGE. CONNECTIONS OF STORM SEWERS TO EXISTING STRUCTURES SHALL BE MADE BY CORE DRILLING HOLES IN THE STRUCTURES. THE COST OF MAKING ANY SEWER CONNECTIONS TO AN EXISTING DRAINAGE STRUCTURE OR PIPE SHALL BE CONSIDERED INCLUDED WITHIN THE CONTRACT UNIT PRICE FOR THE NEW SEWER.
31. THE EXISTING PIPE CULVERTS OR STORM SEWERS SHOWN TO BE REMOVED ON THE PLANS SHALL BE DONE IN ACCORDANCE WITH SECTION 551 OF THE STANDARD SPECIFICATIONS EXCEPT THAT SALVAGING OF THE PIPE WILL NOT BE REQUIRED.
32. EXISTING PAVEMENTS, CURBS AND GUTTERS, AND SIDEWALKS IN WHICH THE TOP SURFACE IS TO BE JOINED TO THE PROPOSED WORK SHALL BE SO JOINED THROUGH SAW CUT JUNCTURES. 3/4" EXPANSION JOINT MATERIAL SHALL BE PLACED AT THESE JUNCTURES AS DIRECTED BY THE ENGINEER.
33. WHERE THE PROPOSED COMBINATION CONCRETE CURB AND GUTTER JOINS THE EXISTING CURB AND GUTTER, A TRANSITION BETWEEN THE TWO CONFIGURATIONS MAY BE REQUIRED. THIS WORK WILL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR CURB AND GUTTER OF THE SIZE AND TYPE SPECIFIED IN THE PLANS.
34. THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO WEIGHTED SAND BAGS ON EACH TYPE II BARRICADE USED. (ONE WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL)
35. FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.
36. THE CITY OF CHAMPAIGN HAS ACQUIRED A N.P.D.E.S. PERMIT FOR THIS PROJECT FOR EROSION AND SEDIMENT CONTROL. TO SATISFY THE REQUIREMENTS OF THIS PERMIT, THE CONTRACTOR WILL BE REQUIRED TO PROVIDE TEMPORARY DITCH CHECKS, INLET AND PIPE PROTECTION, INLET FILTERS AND PERIMETER EROSION BARRIER AS SHOWN ON THE STORM WATER POLLUTION PREVENTION PLAN AND STD. 280001. THE LOCATIONS FOR THE INLET AND PIPE PROTECTION SHALL BE AT ALL DRAINAGE STRUCTURES LOCATED IN SAGS AND AT END SECTIONS ON THE UPSTREAM ENDS OF ALL CULVERTS AND AS DIRECTED BY THE ENGINEER. A PERIMETER EROSION CONTROL BARRIER SHALL BE PLACED ADJACENT TO CONSTRUCTION AREAS TO PREVENT SILT AND SEDIMENT FROM LEAVING THE SITE AS DIRECTED BY THE ENGINEER. AN ESTIMATED QUANTITY FOR THE EROSION CONTROL ITEMS HAS BEEN INCLUDED IN THE PROJECT AS SHOWN ON THE STORM WATER POLLUTION PREVENTION PLAN AND MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.
37. HORIZONTAL CONTROL TIES ARE SHOWN FOR THE CONTRACTOR TO PHYSICALLY LOCATE MONUMENTATION IN THE FIELD. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN CONTROL POINTS OR TO USE ADDITIONAL TIES AS NECESSARY TO INSURE THAT CONTROL POINTS CAN BE ACCURATELY REPLICATED DURING CONSTRUCTION.
38. THE CITY OF CHAMPAIGN SHALL BE RESPONSIBLE FOR NOTIFYING THE PUBLIC, THE UNITED STATES POSTAL SERVICE, AND THE EMERGENCY SERVICE AGENCIES OF ALL ROAD CLOSURES AND CHANGES IN THE TRAFFIC MAINTENANCE PLANS. THE CONTRACTOR SHALL NOTIFY THE CITY OF CHAMPAIGN OF ALL ROAD CLOSURES AND CHANGES IN THE TRAFFIC MAINTENANCE PLANS A MINIMUM OF 48 HOURS IN ADVANCE.
39. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP OF THE SITE PRIOR TO FINAL ACCEPTANCE IN ACCORDANCE WITH ARTICLE 104.06 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL ALSO INCLUDE CLEANING ALL DRAINAGE FACILITIES OF FOREIGN MATERIALS IN ACCORDANCE WITH ARTICLE 602.15 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE DONE AS DIRECTED BY THE ENGINEER AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
40. THE CONTRACTOR SHALL TEST THE SURFACE OF ALL THE FINISHED PAVEMENTS FOR SMOOTHNESS WITH A CALIFORNIA PROFILOGRAPH IN ACCORDANCE WITH ARTICLES 407.09 AND 420.10 OF THE STANDARD SPECIFICATIONS. PAVEMENT SMOOTHNESS TESTS WILL BE AS DIRECTED BY THE ENGINEER AND WILL NOT BE REQUIRED DIRECTLY ADJACENT TO EXISTING PAVEMENTS. THE CONTRACTOR WILL ALSO BE REQUIRED TO CORE THE FINISHED PAVEMENTS TO DETERMINE THE THICKNESS IN ACCORDANCE WITH ARTICLES 407.10 AND 420.15 OF THE STANDARD SPECIFICATIONS. ALL TEST RESULTS SHALL BE PROVIDED TO THE ENGINEER. ALL WORK INVOLVED WITH PERFORMING THE SURFACE TEST AND CORING THE PAVEMENTS INCLUDING FURNISHING THE CALIFORNIA PROFILOGRAPH AND CORING EQUIPMENT WILL NOT BE PAID FOR SEPARATELY AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
41. "EXPLORATION TRENCH" IS INCLUDED FOR THE PURPOSE OF LOCATING THE EXISTING UTILITY LINES WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENTS. THE EXPLORATION TRENCH SHALL BE CONSTRUCTED AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH SECTION 213 OF THE STANDARD SPECIFICATIONS. THE PAY ITEM AND QUANTITY FOR EXPLORATION TRENCH IS INCLUDED IN THE CONTRACT DOCUMENTS FOR THE PURPOSE OF ESTABLISHING A UNIT PRICE. THE ENGINEER MAY INCREASE, DECREASE OR ELIMINATE THE PAY ITEM IN ACCORDANCE WITH ARTICLE 109.03 OF THE STANDARD SPECIFICATIONS.
42. THE EXISTING RIGHT-OF-WAY MARKERS THAT INTERFERE WITH THE PROPOSED IMPROVEMENTS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AT THE LOCATIONS SHOWN ON THE PLANS. THE COST OF REMOVING AND DISPOSING OF THE MARKERS SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE EARTH EXCAVATION AND NO ADDITIONAL PAYMENT WILL BE ALLOWED.

FILE NAME = p:\c0010461\plans\sheet\gennote.dgn	DESIGNED - R.L.H.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		GENERAL NOTES		F.A.U. RTE. 7170	SECTION 08-00277-00-PV	COUNTY CHAMPAIGN	TOTAL SHEETS 44	SHEET NO. 2
PLOT DATE = 2/6/2009 11:05:35 AM	DRAWN - J.L.B.	REVISED -	SCALE : NONE		SHEET NO. 2 OF 44 SHEETS	STA. TO STA.	CONTRACT NO. 91397				
	CHECKED - J.T.P.	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HD-5181 0449								
	DATE - 2-09	REVISED -									

**ILLINOIS HIGHWAY STANDARD DRAWINGS**

STANDARD NO.	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-04	TEMPORARY EROSION CONTROL SYSTEMS
420001-07	PAVEMENT JOINTS
420101-04	24' JOINTED PCC PAVEMENT
420111-02	PCC PAVEMENT ROUNDOUTS
424001-05	CURB RAMPS FOR SIDEWALKS
442101-07	CLASS B PATCHES
542301-02	PRECAST REINFORCED CONCRETE FLARED END SECTION
602301-02	INLET, TYPE A
602306-02	INLET, TYPE B
602401-02	MANHOLE TYPE A
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
604001-03	FRAME AND LIDS, TYPE 1
604006-04	FRAME AND GRATE, TYPE 3
604011-04	FRAME AND GRATE, TYPE 3V
604036-02	GRATE, TYPE B
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
667101-01	PERMANENT SURVEY MARKERS
701006-03	OFF-ROAD OPERATIONS, 2L, 2W, 4.5 m (15') TO 600 mm (24") FROM PAVEMENT EDGE
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701501-05	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701602-04	URBAN LANE CLOSURE, MULTILANE 2W WITH BIDIRECTIONAL LEFT TURN LANE
701701-06	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-04	LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-02	HANDHOLES
814006-02	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTIBLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING AND BONDING
876001-01	PEDESTRIAN PUSH BUTTON POST
877011-04	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-07	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS

**LEGEND**

EXISTING	PROPOSED	EXISTING	PROPOSED

FILE NAME = p:\c0010461\plans\sheets\hwystd.dgn	DESIGNED - R.L.H.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HIGHWAY STANDARDS AND LEGEND			F.A.U. RTE. 7170	SECTION 08-00277-00-PV	COUNTY CHAMPAIGN	TOTAL SHEETS 44	SHEET NO. 3
PLOT DATE = 2/6/2009 11:05:36 AM	DRAWN - J.L.B.	REVISED -		SCALE : NONE	SHEET NO. 3 OF 44 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT HD-5181 (044)	CONTRACT NO. 91397		
	CHECKED - J.T.P.	REVISED -									
	DATE - 2-09	REVISED -									

# SUMMARY OF QUANTITIES

CODE NO.	ITEM	SAFETY CODE		2A	1F
		CONSTRUCTION CODE		J000	Y031
		UNIT	TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNALS
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	22	22	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	16	16	
20200100	EARTH EXCAVATION	CU YD	638	638	
* 20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	250	250	
20400800	FURNISHED EXCAVATION	CU YD	820	820	
* 21000300	GRANULAR EMBANKMENT, SPECIAL	TON	510	510	
21001000	GEO TECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	750	750	
* 21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	443	443	
* 21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	114	114	
21301072	EXPLORATION TRENCH 72" DEPTH	FOOT	100	100	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	81	81	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	81	81	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	81	81	
* 25000900	SEEDING, CLASS 1 (SPECIAL)	ACRE	0.9	0.9	
25200100	SODDING	SQ YD	129	129	
* 25200200	SUPPLEMENTAL WATERING	UNIT	43	43	
28000300	TEMPORARY DITCH CHECKS	EACH	1	1	
28000400	PERIMETER EROSION BARRIER	FOOT	1,112	1,112	
28000500	INLET AND PIPE PROTECTION	EACH	5	5	
28000510	INLET FILTERS	EACH	12	12	
28100105	STONE RIPRAP, CLASS A3	SQ YD	16	16	
35101100	AGGREGATE BASE COURSE, TYPE A 12"	SQ YD	2,494	2,494	
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	4	4	
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	17	17	
40600990	TEMPORARY RAMP	SQ YD	4	4	
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	259	259	
* 42000301	PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)	SQ YD	1,954	1,954	
42001300	PROTECTIVE COAT	SQ YD	2,328	2,328	
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	68	68	
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	76	76	
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	8,123	8,123	
42400800	DETECTABLE WARNINGS	SQ FT	100	100	
44000100	PAVEMENT REMOVAL	SQ YD	543	543	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	276	276	

\*SEE SPECIAL PROVISIONS

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DATE - 2-09	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE : NONE SHEET NO. 4 OF 44 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7170	08-00277-00-PV	CHAMPAIGN	44	4
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT HD-5181 (044)	
			CONTRACT NO. 91397	



# SUMMARY OF QUANTITIES

CODE NO.	ITEM	SAFETY CODE		2A	1F
		UNIT	TOTAL QUANTITY	J000 ROADWAY	Y031 TRAFFIC SIGNALS
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	379	379	
44000600	SIDEWALK REMOVAL	SQ FT	2,199	2,199	
* 44000920	BITUMINOUS CONCRETE SHOULDER REMOVAL	SQ YD	453	453	
44200929	CLASS B PATCHES, TYPE I, 8 INCH	SQ YD	23	23	
44200934	CLASS B PATCHES, TYPE II, 8 INCH	SQ YD	120	120	
44200944	CLASS B PATCHES, TYPE IV, 8 INCH	SQ YD	102	102	
* 50105210	REMOVE EXISTING CULVERTS	FOOT	83	83	
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	1	
* 54248515	CONCRETE COLLAR	EACH	5	5	
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	92	92	
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	101	101	
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	103	103	
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	457	457	
* 55100700	STORM SEWER REMOVAL 15"	FOOT	47	47	
* 55101200	STORM SEWER REMOVAL 24"	FOOT	18	18	
* 59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	95	95	
* 60224600	RESTRICTED DEPTH MANHOLES, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3	
* 60224700	RESTRICTED DEPTH MANHOLES, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	1	1	
* 60225400	RESTRICTED DEPTH MANHOLES, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3	
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	1	1	
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	3	3	
60500040	REMOVING MANHOLES	EACH	1	1	
60500060	REMOVING INLETS	EACH	1	1	
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	1,348	1,348	
* 66700095	PERMANENT SURVEY MARKERS	EACH	1	1	
* 67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	4	
67100100	MOBILIZATION	L SUM	1	1	
* 70103700	TRAFFIC CONTROL COMPLETE	L SUM	1	1	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	599	599	
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	400	400	
70300570	PAVEMENT MARKING TAPE, TYPE III 24"	FOOT	36	36	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	204	204	
△* 78008300	POLYUREA PAVEMENT MARKING TYPE II - LETTERS AND SYMBOLS	SQ FT	156	156	
△* 78008310	POLYUREA PAVEMENT MARKING TYPE II - LINE 4"	FOOT	3,348	3,348	

\* SEE SPECIAL PROVISIONS      △ SPECIALTY ITEMS

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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE : NONE      SHEET NO. 5 OF 44 SHEETS      STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7170	08-00277-00-PV	CHAMPAIGN	44	5
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT NO. 5181 (044)	
			CONTRACT NO. 91397	

# SUMMARY OF QUANTITIES

CODE NO.	ITEM	SAFETY CODE		2A	1F
		CONSTRUCTION CODE		J000	Y031
		UNIT	TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNALS
△* 78008330	POLYUREA PAVEMENT MARKING TYPE II - LINE 6"	FOOT	636	636	
△* 78008350	POLYUREA PAVEMENT MARKING TYPE II - LINE 12"	FOOT	147	147	
△* 78008370	POLYUREA PAVEMENT MARKING TYPE II - LINE 24"	FOOT	131	131	
78300100	PAVEMENT MARKING REMOVAL	SQ FT	1,447	1,447	
△* 80500105	SERVICE INSTALLATION, TYPE A (MODIFIED)	EACH	1		1
△ 81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	264		264
△ 81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	123		123
△ 81013100	CONDUIT IN TRENCH, 5" DIA., PVC	FOOT	4		4
△* 81021550	CONDUIT, AUGERED 2" DIA., PVC	FOOT	305		305
△* 81021590	CONDUIT, AUGERED 4" DIA., PVC	FOOT	230		230
△* 81021600	CONDUIT, AUGERED 5" DIA., PVC	FOOT	155		155
△* 81306500	REMOVE EXISTING JUNCTION BOX	EACH	8		8
△* 81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	2		2
△* 81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1		1
△* 81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1,015		1,015
△* 81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	70		70
△* 81900302	TRENCH AND BACKFILL WITH SCREENINGS AND/OR SAND	FOOT	321		321
△* 82103250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 250 WATT	EACH	2		2
△* 83008300	LIGHT POLE, ALUMINUM, 40 FT. M.H., 8 FT. MAST ARM	EACH	1		1
△ 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	8		8
△* 84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	2	2	
△* 85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1		1
△* 86200200	UNINTERRUPTIBLE POWER SUPPLY, STANDARD	EACH	1		1
△ 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	810		810
△ 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,690		1,690
△ 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,835		1,835
△ 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,410		1,410
△* 87502640	TRAFFIC SIGNAL POST, ALUMINUM 10 FT.	EACH	1		1
△* 87502700	TRAFFIC SIGNAL POST, ALUMINUM 16 FT.	EACH	2		2
△* 87600200	PEDESTRIAN PUSH-BUTTON POST, TYPE II	EACH	2		2
△* 87702990	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT.	EACH	1		1
△* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	9		9
△* 87800200	CONCRETE FOUNDATION, TYPE D	FOOT	4		4
△* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	18		18

\*SEE SPECIAL PROVISIONS Δ SPECIALTY ITEMS

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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE : NONE SHEET NO. 6 OF 44 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7170	08-00277-00-PV	CHAMPAIGN	44	6
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT NO-5181 (044)	
			CONTRACT NO. 91397	

# SUMMARY OF QUANTITIES

CODE NO.	ITEM	SAFETY CODE		2A	1F
		CONSTRUCTION CODE		J000	Y031
		UNIT	TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNALS
△ 87900200	DRILL EXISTING HANDHOLE	EACH	1		1
△* 88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2		2
△* 88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	2		2
△* 88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3		3
△* 88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1		1
△* 88102810	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	EACH	8		8
△ 88200100	TRAFFIC SIGNAL BACKPLATE	EACH	3		3
△* 88800100	PEDESTRIAN PUSH-BUTTON	EACH	4		4
△ 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1
△* 89502380	REMOVE EXISTING HANDHOLE	EACH	5		5
△* 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	4		4
△* A2000320	TREE, ACER MIYABE MORTON (STATE STREET MIYABE MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2	2	
△* A2007120	TREE, QUERCUS RUBRA (RED OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	1	1	
* X0301232	SURVEY MARKER VAULT	EACH	1	1	
* X0321905	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	314	314	
* X0321906	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 15"	FOOT	64	64	
△* X0322281	WIDE AREA VIDEO DETECTION SYSTEM COMPLETE	EACH	1		1
△* X0962500	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	L SUM	1		1
* <del>XX007995</del>	PAVED DITCH REMOVAL	SQ YD	20	20	
* X6020074	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	EACH	2	2	
* X6020125	RESTRICTED DEPTH INLET TYPE B, TYPE 3 FRAME AND GRATE	EACH	2	2	
* X6020127	RESTRICTED DEPTH INLET TYPE B, TYPE 3V FRAME AND GRATE	EACH	4	4	
* X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	21	21	
△* X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	770		770
* XX002998	RESTRICTED DEPTH MANHOLES, 4'-DIAMETER, TYPE 3V FRAME AND GRATE	EACH	2	2	
△* XX003581	ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 1/C	FOOT	245		245
* <del>5A247090</del>	GRATING FOR CONCRETE FLARED END SECTION 12"	EACH	1	1	
* XX004096	REMOVE AND RE-INSTALL CONCRETE FLARED END SECTIONS	EACH	2	2	
△* XX005428	INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4		4
△* XX006163	REMOVE ELECTRIC CABLE FROM CONDUIT (SPECIAL)	L SUM	1		1
* XX006444	MULCH, SPECIAL	ACRE	0.9	0.9	
* Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	

\*SEE SPECIAL PROVISIONS      △ SPECIALTY ITEMS

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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE : NONE      SHEET NO. 7 OF 44 SHEETS      STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7170	08-00277-00-PV	CHAMPAIGN	44	7
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT HD-5181 (044)	
			CONTRACT NO. 91397	

# SCHEDULE OF QUANTITIES

EARTHWORK SUMMARY								
STAGE	LOCATION	TOPSOIL EXCAVATION (CU YD)	TOPSOIL PLACEMENT (CU YD)	*ESTIMATED TOPSOIL FURNISH † (CU YD)	**ESTIMATED TOPSOIL FURNISH 6"† (SQ YD)	EARTH EXCAVATION (CU YD)	EMBANKMENT (CU YD)	**ESTIMATED FURNISHED EXCAVATION † (CU YD)
1	FIRST STREET RT.	0	0	0	0	105	80	-5
2	FIRST STREET LT.	261	204	-57	-342	273	544	407
3	FIRST STREET RT.	182	258	76	456	260	542	418
TOTALS		443	462	19	114	638	1166	820

\*TOPSOIL FURNISH = TOPSOIL PLACEMENT - TOPSOIL EXCAVATION (ASSUMES NO SHRINKAGE FACTOR)  
 \*\*FURNISHED EXCAVATION = (EMBANKMENT x 1.25 SHRINKAGE FACTOR) - EARTH EXCAVATION  
 †NEGATIVE VALUES INDICATE THERE IS A SURPLUS OF TOPSOIL OR EARTH MATERIAL.

**NOTES**

- THE INDICATED EARTHWORK VOLUMES ARE ESTIMATES BASED ON THE "AVERAGE END AREA" METHOD OF CALCULATION. EARTHWORK VOLUMES WILL VARY WITH ACTUAL SOIL CONDITIONS ENCOUNTERED DURING CONSTRUCTION. THESE ESTIMATES ARE PROVIDED FOR THE CONVENIENCE OF THE CONTRACTOR ONLY AND SHOULD BE CONSIDERED APPROXIMATE. ACTUAL VOLUMES OF EARTH EXCAVATION AND EMBANKMENT WILL BE PAID FOR IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
- THE EMBANKMENT QUANTITIES DO NOT ACCOUNT FOR SHRINKAGE FACTORS. A 25% SHRINKAGE FACTOR HAS BEEN APPLIED TO THE EMBANKMENT TO DETERMINE THE ESTIMATED VOLUME OF FURNISHED EXCAVATION.
- EXCESS EARTH MATERIALS FROM SEWER TRENCHES AND EXCAVATIONS FOR STRUCTURES AND TRAFFIC SIGNAL EQUIPMENT ARE NOT INCLUDED IN THE EARTHWORK CALCULATIONS. EXCESS EARTH MATERIAL SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR. THE COST OF DISPOSING OF EXCESS EARTH MATERIAL WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- AN ESTIMATED QUANTITY FOR THE REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS HAS BEEN INCLUDED IN THE CONTRACT. THE REMOVAL AND DISPOSAL OF UNSUITABLE MATERIALS WILL BE AS DIRECTED BY THE ENGINEER AND WILL BE MEASURED AND PAID FOR AS DESCRIBED IN THE SPECIAL PROVISIONS.

**20201200  
REMOVAL AND DISPOSAL OF  
UNSUITABLE MATERIAL**

LOCATION	CU YD
ASSUMED QUANTITY FOR UNSUITABLE SUBGRADE CONDITIONS	250
TOTAL	250

**25000900  
SEEDING, CLASS 1 (SPECIAL)**

LOCATION	ACRE
FIRST STREET	
STAGE 2 LT.	0.4
STAGE 3 RT.	0.5
TOTAL	0.9

**35101100  
AGGREGATE BASE COURSE, TYPE A 12"**

STATION	TO STATION	SO YD
FIRST STREET		
100+33.0 LT.	108+03.0 LT.	1248.7
100+38.8 RT.	106+02.8 RT.	1245.3
TOTAL		2494

**42300400  
PORTLAND CEMENT CONCRETE  
DRIVEWAY PAVEMENT, 8 INCH**

LOCATION	SO YD
FIRST STREET	
103+04.5 LT. - C.E.	40.7
106+77.4 LT. - C.E.	35.3
TOTAL	76

**42400300  
PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH**

STATION	TO STATION	SO FT
FIRST STREET		
100+35.2 LT.	108+04.0 LT.	6169.4
99+56.8 RT.	99+77.5 RT.	421.2
100+54.1 RT.	100+81.9 RT.	551.4
106+20.8 RT.	107+40.1 RT.	980.2
TOTAL		8123

**42400800  
DETECTABLE WARNINGS**

LOCATION	SO FT
FIRST STREET/WINDSOR ROAD	
100+35.2 LT.	21.0
100+51.4 LT.	21.7
99+56.8 RT.	20.8
99+68.2 RT.	13.0
100+58.9 RT.	23.2
TOTAL	100

**21000300  
GRANULAR EMBANKMENT, SPECIAL**

LOCATION	TON
ASSUMED QUANTITY FOR UNSUITABLE SUBGRADE CONDITIONS	510
TOTAL	510

**XX006444  
MULCH, SPECIAL**

LOCATION	ACRE
FIRST STREET	
STAGE 2 LT.	0.4
STAGE 3 RT.	0.5
TOTAL	0.9

**40200800  
AGGREGATE SURFACE COURSE, TYPE B**

LOCATION	TON
FIRST STREET	
101+44.5 LT. - P.E.	2
102+56.3 LT. - P.E.	2
TOTAL	4

**60604400  
COMBINATION CONCRETE CURB AND GUTTER,  
TYPE B-6.18**

STATION	TO STATION	FOOT
FIRST STREET		
100+33.0 LT.	108+03.0 LT.	772.5
100+44.9 RT.	106+02.8 RT.	575.1
TOTAL		1348

**21001000  
GEOTECHNICAL FABRIC FOR  
GROUND STABILIZATION**

LOCATION	SO YD
ASSUMED QUANTITY FOR UNSUITABLE SUBGRADE CONDITIONS	750
TOTAL	750

**25200100  
SODDING**

LOCATION	SO YD
FIRST STREET	
100+27.5 LT.	11
101+75 LT.	16
102+75 LT.	16
106+00 LT.	16
SE. QUADRANT FIRST ST./WINDSOR RD.	54
101+95 RT.	16
TOTAL	129

**42000301  
PORTLAND CEMENT CONCRETE  
PAVEMENT 8" (JOINTED)**

STATION	TO STATION	SO YD
FIRST STREET		
100+46.8 LT.	108+03.0 LT.	939.9
100+38.8 RT.	105+98.1 RT.	1014.0
TOTAL		1954

**66700095  
PERMANENT SURVEY MARKERS**

LOCATION	EACH
FIRST STREET	
100+71.20 LT.	1
TOTAL	1

**21301072  
EXPLORATION TRENCH 72" DEPTH**

LOCATION	FOOT
AT VARIOUS LOCATIONS AS DIRECTED BY THE ENGINEER TO LOCATE UTILITIES	100
TOTAL	100

**25200200  
SUPPLEMENTAL WATERING**

LOCATION	UNIT
FIRST STREET	
SOD AREAS	2
SEEDING, CLASS 1 (SPECIAL)	41
TOTAL	43

**42001300  
PROTECTIVE COAT**

LOCATION	SO YD
FIRST STREET	
PCC PVT 8 JOINTED	1954
COMB CC&G TB6.18	374
TOTAL	2328

**X0301232  
SURVEY MARKER VAULT**

LOCATION	EACH
FIRST STREET	
100+71.20 LT.	1
TOTAL	1

**25000400, 25000500, 25000600  
FERTILIZER NUTRIENTS  
(NITROGEN, PHOSPHORUS, POTASSIUM)**

LOCATION	POUND
FIRST STREET	
STAGE 2 LT.	36
STAGE 3 RT.	45
TOTAL	81

**28100105  
STONE RIPRAP, CLASS A3**

STATION	TO STATION	SO YD
FIRST STREET		
99+53 RT.	99+63 RT.	16
TOTAL		16

**42300200  
PORTLAND CEMENT CONCRETE  
DRIVEWAY PAVEMENT, 6 INCH**

LOCATION	SO YD
FIRST STREET	
101+44.5 LT. - P.E.	39.8
102+56.3 LT. - P.E.	27.9
TOTAL	68

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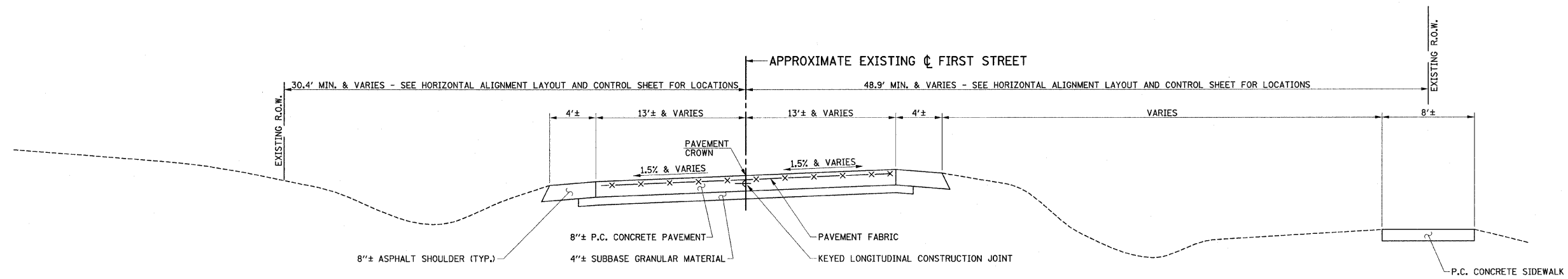
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE : NONE SHEET NO. 8 OF 44 SHEETS STA. TO STA.

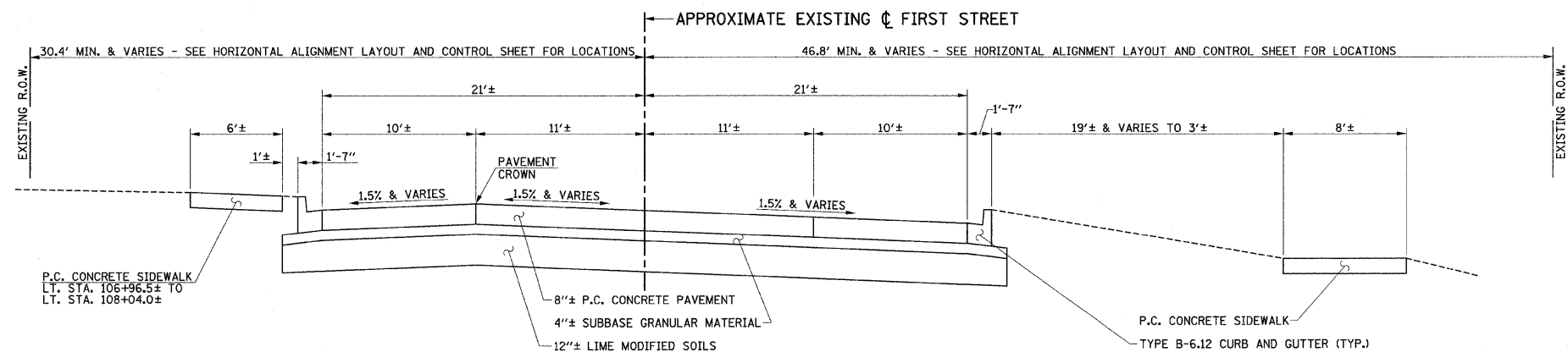
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7170	08-00277-00-PV	CHAMPAIGN	44	8

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HD-5181 (044)



**EXISTING TYPICAL CROSS SECTION  
FIRST STREET**

STA. 100+25.8 TO STA. 105+98  
(TYPICAL SECTION SHOWN IS ALONG THE  
CENTERLINE OF EXISTING FIRST ST.)



**EXISTING TYPICAL CROSS SECTION  
FIRST STREET**

STA. 105+98 TO STA. 108+03.3  
(TYPICAL SECTION SHOWN IS ALONG THE  
CENTERLINE OF EXISTING FIRST ST.)

**NOTE**

THE EXISTING PAVEMENT TYPES AND THICKNESSES WERE TAKEN FROM EXISTING PLANS AND FROM PAVEMENT CORES AND REPRESENT THE BEST AVAILABLE INFORMATION. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PAVEMENT REMOVAL ITEMS DUE TO VARIATIONS IN PAVEMENT TYPES OR THICKNESSES AS SPECIFIED IN ARTICLE 440.07 OF THE STANDARD SPECIFICATIONS.

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PLOT DATE = 2/6/2009 11:05:40 AM	DRAWN - J.L.B.	REVISED -
	CHECKED - J.T.P.	REVISED -
	DATE - 2-09	REVISED -

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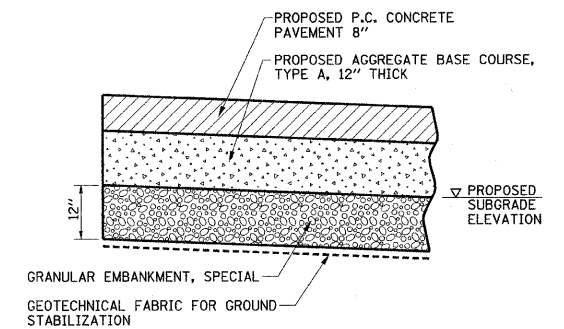
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

<b>EXISTING TYPICAL SECTIONS</b>			
SCALE : NONE	SHEET NO. 9 OF 44 SHEETS	STA.	TO STA.

F.A.U. RTE. 7170	SECTION 08-00277-00-PV	COUNTY CHAMPAIGN	TOTAL SHEETS 44	SHEET NO. 9
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HD-5181 (044)			CONTRACT NO. 91397	

**PROPOSED TYPICAL SECTION NOTES**

1. SEE INTERSECTION AND PAVEMENT JOINT DETAILS FOR LOCATIONS OF LONGITUDINAL AND TRANSVERSE JOINTS.
2. SEE PLAN AND PROFILE SHEETS AND HORIZONTAL ALIGNMENT AND CONTROL SHEETS FOR DETAILED LOCATIONS OF EDGES OF PAVEMENTS, CURBS AND GUTTERS, SIDEWALKS, RIGHT-OF-WAY LINES AND TEMPORARY CONSTRUCTION EASEMENTS. SEE CROSS SECTIONS FOR EXACT SIDE SLOPE RATIOS.
3. THE CURB AND GUTTER SHALL NOT BE POURED MONOLITHIC WITH THE P.C. CONCRETE PAVEMENT EXCEPT AT THE STUB LOCATIONS SHOWN ON THE PLANS. TIE BARS BETWEEN THE PAVEMENT AND THE CURB AND GUTTER WILL BE REQUIRED. THE COST OF ADDITIONAL GUTTER FLAG WIDTH WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR THE SPECIFIED TYPE OF P.C. CONCRETE PAVEMENT.
4. ALL SAWED TRANSVERSE CONTRACTION JOINTS AND EXPANSION JOINTS IN THE P.C. CONCRETE PAVEMENT MUST EXTEND THROUGH THE COMBINATION CONCRETE CURB AND GUTTER.
5. SAWED TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED AT 15 FOOT CENTERS MAXIMUM IN THE P.C. CONCRETE PAVEMENT OR AS DIRECTED BY THE ENGINEER (STD. 420001). ALL DOWEL BARS 18" LONG AT 12" CENTERS SHALL BE CENTERED ACROSS THE CONTRACTION JOINTS. THE DOWEL BARS SHALL BE 1" DIAMETER FOR THE 8" THICK PAVEMENTS.
6. TRANSVERSE CONSTRUCTION JOINTS SHALL MATCH THE LOCATION OF THE SAWED TRANSVERSE CONTRACTION JOINTS OR EXPANSION JOINTS SHOWN ON THE PAVEMENT JOINTING PLANS AND SHALL BE AS SHOWN ON STANDARD 420101. TRANSVERSE CONSTRUCTION JOINTS SHALL NOT BE PLACED LESS THAN 15 FEET FROM A TRANSVERSE CONSTRUCTION OR EXPANSION JOINT. THE CONSTRUCTION JOINTS THAT COINCIDE WITH CONTRACTION JOINTS SHALL HAVE SMOOTH EPOXY COATED DOWEL BARS 1" DIAMETER, 18" LONG PLACED AT 12" SPACING'S AND CENTERED ACROSS THE JOINT. CONSTRUCTION JOINTS THAT COINCIDE WITH EXPANSION JOINTS SHALL BE DOWELED AS SHOWN ON STANDARD 420001.
7. TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 420 OF THE STANDARD SPECIFICATIONS. THE COST OF FURNISHING AND INSTALLING THE TRANSVERSE CONSTRUCTION JOINTS, INCLUDING DRILLING AND GROUTING, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE VARIOUS CURB AND GUTTER AND/OR PAVEMENT PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
8. TRANSVERSE EXPANSION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 420001 EXCEPT THAT THE WIDTH OF THE EXPANSION JOINTS SHALL BE 1" MAXIMUM AND THE DOWEL BARS SHALL BE 1" DIAMETER.
9. WHEN LONGITUDINAL CONSTRUCTION JOINTS ARE CONSTRUCTED IN THE PAVEMENT, THE JOINTS SHALL BE TIED WITH NO. 6 EPOXY COATED TIE BARS SPACED AT 24" CENTERS AS SHOWN ON STANDARD 420001. SEE THE PROPOSED TYPICAL SECTION KEY, WHERE THE PAVEMENT WIDTH IS 60 FEET OR GREATER ONE OF THE LONGITUDINAL JOINTS SHALL BE CONSTRUCTED WITH NO. 6 EPOXY COATED SMOOTH DOWEL BARS 24" LONG AT 24" CENTERS TO PREVENT LONGITUDINAL CRACKING. SEE THE PAVEMENT JOINTING PLANS FOR ADDITIONAL INFORMATION.
10. ALL SAWED JOINTS IN BOTH THE EXISTING AND PROPOSED P.C. CONCRETE PAVEMENTS AND THE COMBINATION CONCRETE CURB AND GUTTER SHALL BE SEALED WITH A JOINT SEALER MEETING THE REQUIREMENTS OF ARTICLES 420.02 AND 606.02 OF THE STANDARD SPECIFICATIONS.
11. SEE STANDARD 420111 FOR CONSTRUCTION DETAILS WHERE INLETS OR MANHOLES ARE LOCATED WITHIN THE PAVEMENT AREA.
12. THE COMBINATION CONCRETE CURB AND GUTTER SHALL BE CONSTRUCTED WITH REVERSE AND VARYING GUTTER FLAG SLOPES AT LOCATIONS SHOWN ON THE PLANS. THE COST OF CONSTRUCTING THE COMBINATION CONCRETE CURB AND GUTTER WITH REVERSE AND VARYING GUTTER FLAG SLOPES WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE SPECIFIED COMBINATION CONCRETE CURB AND GUTTER.
13. SAWED CONTRACTION JOINTS 2" DEEP SHALL BE PLACED AT 15 FOOT MAXIMUM CENTERS IN THE COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 AND THE JOINTS SHALL BE SEALED. THIS WORK SHALL BE IN ACCORDANCE WITH ARTICLE 606.07 OF THE STANDARD SPECIFICATIONS.
14. THE WIDTH OF MEASUREMENT FOR THE AGGREGATE BASE COURSE MATERIAL SHALL BE THE TOP WIDTH AS SHOWN IN THE TYPICAL SECTIONS.
15. THE SUBGRADE SHALL BE PREPARED AND COMPACTED IN ACCORDANCE WITH SECTION 301 OF THE STANDARD SPECIFICATIONS AND THE I.D.O.T. SUBGRADE STABILITY MANUAL. IF THE REQUIRED DENSITY AND STABILITY CAN NOT BE ATTAINED IT WILL BE NECESSARY TO UNDERCUT AND REMOVE EARTH AND ORGANIC MATERIAL BELOW THE PROPOSED PAVEMENT SYSTEM TO A DEPTH OF 12" AS DIRECTED BY THE ENGINEER. ALL UNSTABLE, UNSUITABLE, OR ORGANIC MATERIAL SHALL BE DISPOSED OF AS DIRECTED BY THE ENGINEER. MATERIALS THAT ARE REMOVED AND ARE NOT CLASSIFIED AS EARTH EXCAVATION OR TOPSOIL REMOVAL SHALL BE MEASURED AND PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL. THE GRANULAR EMBANKMENT, SPECIAL MATERIAL MUST MEET THE GRADATION REQUIREMENTS LISTED IN THE SPECIAL PROVISIONS. THE I.D.O.T. GEOTECHNICAL ENGINEER MUST APPROVE THE SOURCE AND GRADATION OF THE GRANULAR EMBANKMENT, SPECIAL MATERIAL PRIOR TO IT'S USE. SEE THE "SUBGRADE REMOVAL AND REPLACEMENT DETAIL" ON THIS SHEET FOR ADDITIONAL INFORMATION.
16. THE TOPSOIL SHALL BE REMOVED TO A DEPTH OF 12" WITHIN THE LIMITS OF ALL PROPOSED PAVED AREAS AS SHOWN ON THE CROSS SECTIONS AND SHALL BE STOCKPILED AND USED FOR TOPSOIL PLACEMENT. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR TOPSOIL EXCAVATION AND PLACEMENT. THE EXCESS VOLUME OF TOPSOIL EXCAVATED AND NOT USED FOR TOPSOIL PLACEMENT SHALL BE PLACED AS EMBANKMENT IN FILL AREAS BEHIND THE PROPOSED BACK OF CURBS. TOPSOIL WILL NOT BE ALLOWED TO BE PLACED AS FILL UNDER PAVEMENTS OR SIDEWALKS. THE EXCESS VOLUME OF TOPSOIL EXCAVATED WHICH IS NOT USED FOR TOPSOIL PLACEMENT AND IS PLACED IN THE EMBANKMENT AREAS OR IS WASTE AND IS REMOVED AND DISPOSED OF OFF THE SITE WILL BE PAID FOR AS EARTH EXCAVATION. EMBANKMENT WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE OTHER EARTHWORK ITEMS.
17. THE FINISHED EARTHWORK SHALL HAVE VEGETATIVE SUSTAINING SOIL COVERING THE TOP 6" OF AREAS TO BE SODDED OR SEEDED. THE CONTRACTOR SHALL STOCKPILE TOPSOIL FROM THE EXCAVATION OPERATIONS. THE TOPSOIL SHALL MEET THE REQUIREMENTS OF ARTICLE 1081.05 OF THE STANDARD SPECIFICATIONS OR BE APPROVED BY THE ENGINEER. THE VEGETATIVE SUSTAINING SOIL REQUIRED WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR TOPSOIL EXCAVATION AND PLACEMENT. THE TOPSOIL SHALL BE STOCKPILED IN AREAS APPROVED BY THE ENGINEER.
18. ALL EXPOSED EARTH AREAS SHALL BE SEEDED, FERTILIZED, AND MULCHED IN ACCORDANCE WITH SECTIONS 250 AND 251 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS. SEEDING, CLASS 1 (SPECIAL) AND MULCH (SPECIAL) SHALL BE USED. SUPPLEMENTAL WATERING SHALL BE DONE AS DESCRIBED IN THE SPECIAL PROVISIONS.



- NOTES:**
1. THIS WORK SHALL BE CONSTRUCTED AT LOCATIONS AS DIRECTED BY THE ENGINEER. SEE NOTE 15 FOR ADDITIONAL INFORMATION.
  2. THE WORK SHALL BE IN ACCORDANCE WITH SECTION 210 OF THE STANDARD SPECIFICATIONS. THE GRANULAR EMBANKMENT, SPECIAL WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON. THE GEOTECHNICAL FABRIC FOR GROUND STABILIZATION WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD. THE EARTH REMOVAL BELOW THE PROPOSED SUBGRADE ELEVATION LINE WILL BE PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL.

**SUBGRADE REMOVAL AND REPLACEMENT DETAIL**  
(SEE NOTE 15)

STRUCTURAL PAVEMENT DESIGN INFORMATION	
FIRST STREET	
STRUCTURAL DESIGN TRAFFIC:	YEAR 2019
PV = 14668	SU = 304 MU = 228
ROAD/STREET CLASSIFICATION:	CLASS I
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	
P = 50%	S = 50% M = 50%
TRAFFIC FACTOR:	TF = 1.84
SUBGRADE SUPPORT RATING:	SSR = "POOR"
MINIMUM STRUCTURAL DESIGN REQUIREMENTS:	
P.C. CONCRETE PAVEMENT	= 8"
AGGREGATE BASE COURSE, TYPE A	= 12"

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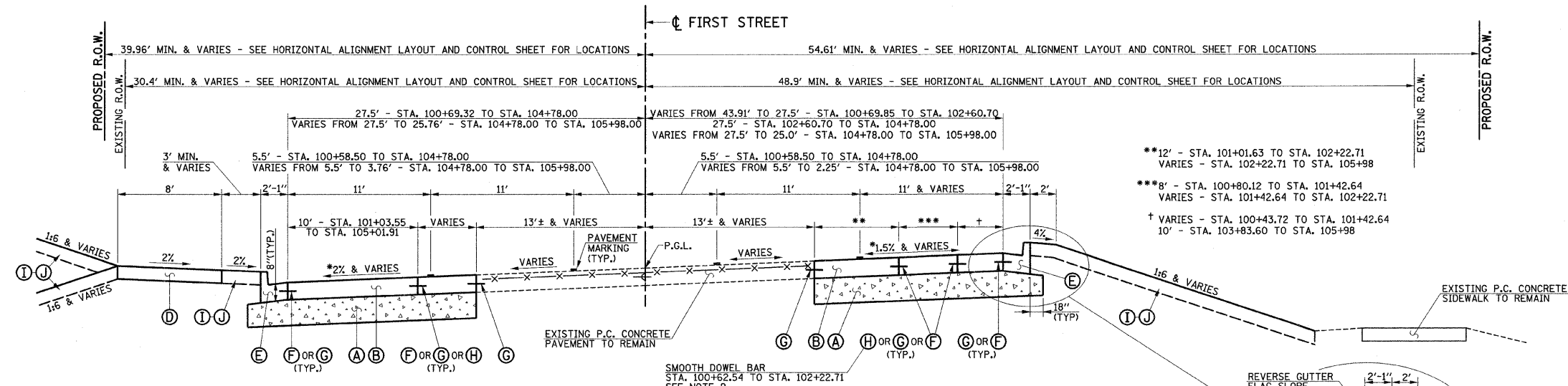
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS  
NOTES AND TABLES

SCALE : NONE SHEET NO. 10 OF 44 SHEETS STA. TO STA.

F.A.U. RTE. 7170	SECTION 08-00277-00-PV	COUNTY CHAMPAIGN	TOTAL SHEETS 44	SHEET NO. 10
FED. ROAD DIST. NO. ILLINOIS			CONTRACT NO. 91397	
FED. AID PROJECT HD-5181 (044)				

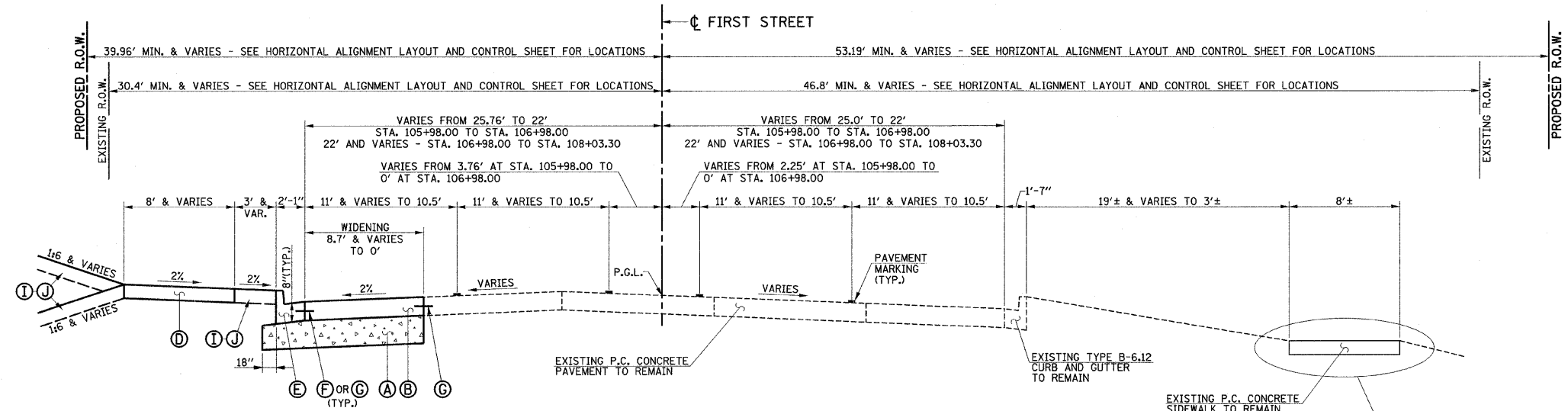
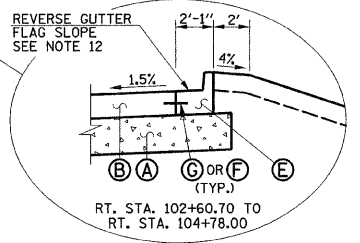




**PROPOSED TYPICAL CROSS SECTION  
FIRST STREET  
STA. 100+25.80 TO STA. 105+98**

\*VARIES FROM -2.0% TO -3.0%  
SEE THE INTERSECTION DETAILS AND CROSS SECTIONS FOR  
PROPOSED EDGE OF PAVEMENT ELEVATIONS AND PAVEMENT  
CROSS SLOPES FROM LT. STA. 100+46.81 TO LT. STA. 102+50.00  
FROM LT. STA. 102+50.00 TO LT. STA. 105+98.00  
THE PAVEMENT CROSS SLOPE SHALL BE -2.0%

\*VARIES FROM -1.3% TO +1.5%  
SEE THE INTERSECTION DETAILS AND CROSS SECTIONS FOR  
PROPOSED EDGE OF PAVEMENT ELEVATIONS AND PAVEMENT  
CROSS SLOPES FROM RT. STA. 100+39.27 TO RT. STA. 102+60.70  
AND FROM RT. STA. 104+78.00 TO RT. STA. 105+98.00  
FROM RT. STA. 102+60.70 TO RT. STA. 104+78.00  
THE PAVEMENT CROSS SLOPE SHALL BE +1.5%

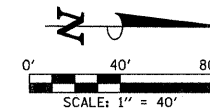


**PROPOSED TYPICAL CROSS SECTION  
FIRST STREET  
STA. 105+98 TO STA. 108+03.30**

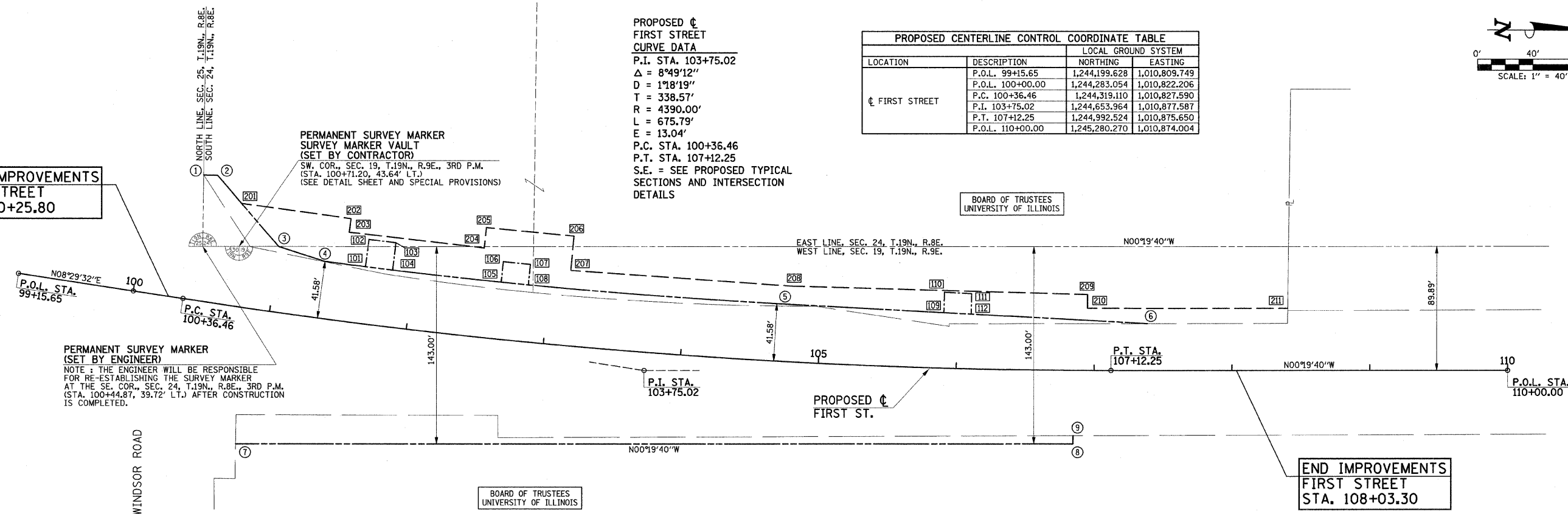
- PROPOSED TYPICAL SECTION KEY**
- (A) AGGREGATE BASE COURSE, TYPE A 12"
  - (B) PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)
  - (C) NOT USED
  - (D) PORTLAND CEMENT CONCRETE SIDEWALK 6"
  - (E) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (STD. 606001)
  - (F) LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 X 30" EPOXY COATED TIE BARS AT 24" CENTERS FORMED IN PLACE (STD. 420001)
  - (G) LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 X 24" EPOXY COATED TIE BARS AT 24" CENTERS DRILLED AND GROUTED IN PLACE (STD. 420001) (PREFORMED HOLES WITH GROUTED TIE BARS WILL NOT BE ALLOWED)
  - (H) SAWED LONGITUDINAL JOINT WITH NO. 6 X 30" EPOXY COATED TIE BARS AT 30" CENTERS (STD. 420001)
  - (I) TOPSOIL 6"
  - (J) SEEDING AND MULCH

SEE SHEET 10 FOR PROPOSED TYPICAL SECTION NOTES.

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PLOT DATE = 2/6/2009 11:05:42 AM	DRAWN - J.L.B.	REVISED -						SCALE : NONE	SHEET NO. 11 OF 44 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT HD-5181 (044)
	CHECKED - J.T.P.	REVISED -										
	DATE - 2-09	REVISED -										



**BEGIN IMPROVEMENTS  
FIRST STREET  
STA. 100+25.80**



**PROPOSED  $\phi$   
FIRST STREET  
CURVE DATA**  
 P.I. STA. 103+75.02  
 $\Delta = 8^\circ 49' 12''$   
 D = 178' 19"  
 T = 338.57'  
 R = 4390.00'  
 L = 675.79'  
 E = 13.04'  
 P.C. STA. 100+36.46  
 P.T. STA. 107+12.25  
 S.E. = SEE PROPOSED TYPICAL SECTIONS AND INTERSECTION DETAILS

PROPOSED CENTERLINE CONTROL COORDINATE TABLE			
LOCATION	DESCRIPTION	LOCAL GROUND SYSTEM	
		NORTHING	EASTING
$\phi$ FIRST STREET	P.O.L. 99+15.65	1,244,199.628	1,010,809.749
	P.O.L. 100+00.00	1,244,283.054	1,010,822.206
	P.C. 100+36.46	1,244,319.110	1,010,827.590
	P.I. 103+75.02	1,244,653.964	1,010,877.587
	P.T. 107+12.25	1,244,992.524	1,010,875.650
P.O.L. 110+00.00	1,245,280.270	1,010,874.004	

**PERMANENT SURVEY MARKER  
(SET BY ENGINEER)**  
 NOTE: THE ENGINEER WILL BE RESPONSIBLE FOR RE-ESTABLISHING THE SURVEY MARKER AT THE SE. COR., SEC. 24, T.19N., R.8E., 3RD P.M. (STA. 100+44.87, 39.72' LT.) AFTER CONSTRUCTION IS COMPLETED.

**PERMANENT SURVEY MARKER  
SURVEY MARKER VAULT  
(SET BY CONTRACTOR)**  
 SW. COR., SEC. 19, T.19N., R.9E., 3RD P.M. (STA. 100+71.20, 43.64' LT.)  
 (SEE DETAIL SHEET AND SPECIAL PROVISIONS)

**PROPOSED R.O.W.  
STATIONS AND OFFSETS**

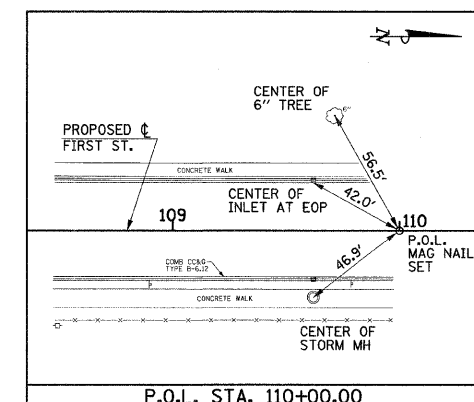
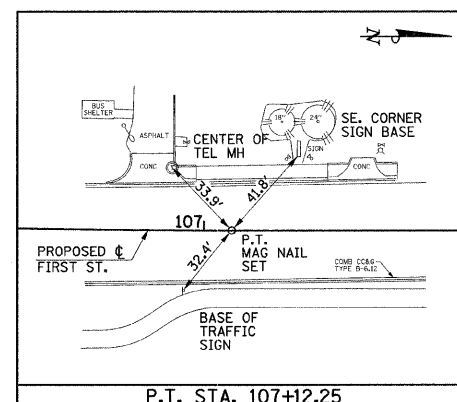
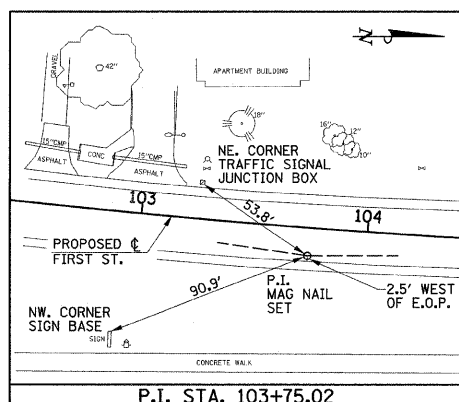
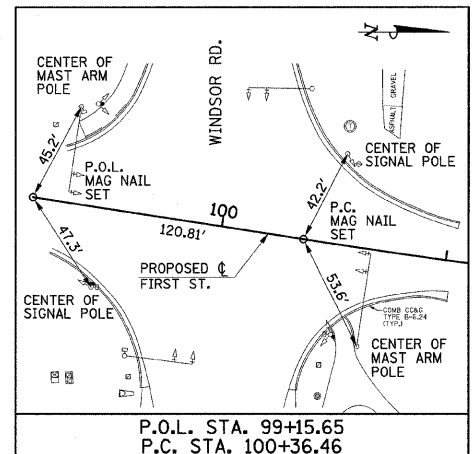
- 1 100+37.54, 91.12' LT.
- 2 100+47.65, 92.50' LT.
- 3 101+00.00, 47.73' LT.
- 4 101+35.12, 41.58' LT.
- 5 104+78.00, 41.58' LT.
- 6 107+38.60, 33.97' LT.
- 7 100+89.18, 98.24' RT.
- 8 106+85.00, 53.19' RT.
- 9 106+85.00, 47.26' RT.

**PERMANENT EASEMENT  
STATIONS AND OFFSETS**

- 101 101+65.00, 41.58' LT.
- 102 101+65.00, 61.50' LT.
- 103 101+85.00, 61.50' LT.
- 104 101+85.00, 41.58' LT.
- 105 102+65.00, 41.58' LT.
- 106 102+65.00, 56.50' LT.
- 107 102+85.00, 56.50' LT.
- 108 102+85.00, 41.58' LT.
- 109 105+90.00, 40.16' LT.
- 110 105+90.00, 55.00' LT.
- 111 106+10.00, 54.50' LT.
- 112 106+10.00, 39.60' LT.

**TEMPORARY CONSTRUCTION EASEMENT  
STATIONS AND OFFSETS**

- 201 100+68.33, 75.00' LT.
- 202 101+50.00, 75.00' LT.
- 203 101+50.00, 65.00' LT.
- 204 102+50.00, 65.00' LT.
- 205 102+50.00, 80.00' LT.
- 206 103+15.00, 80.00' LT.
- 207 103+15.00, 55.00' LT.
- 208 104+78.00, 55.00' LT.
- 209 106+95.00, 55.00' LT.
- 210 106+95.00, 45.00' LT.
- 211 108+40.41, 45.00' LT.



NOTE: BEARINGS ARE BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM, EAST ZONE.

**LEGEND**

- SECTION LINE
- - - EXISTING R.O.W. LINE
- - - PROPERTY LINE
- - - PROPOSED R.O.W. LINE
- - - PROPOSED PERMANENT EASEMENT LINE
- - - PROPOSED TEMPORARY CONSTRUCTION EASEMENT LINE

NOTE: ALL TIES SHOWN ARE DERIVED FROM CADD AND THEREFORE SHOULD BE FIELD VERIFIED.

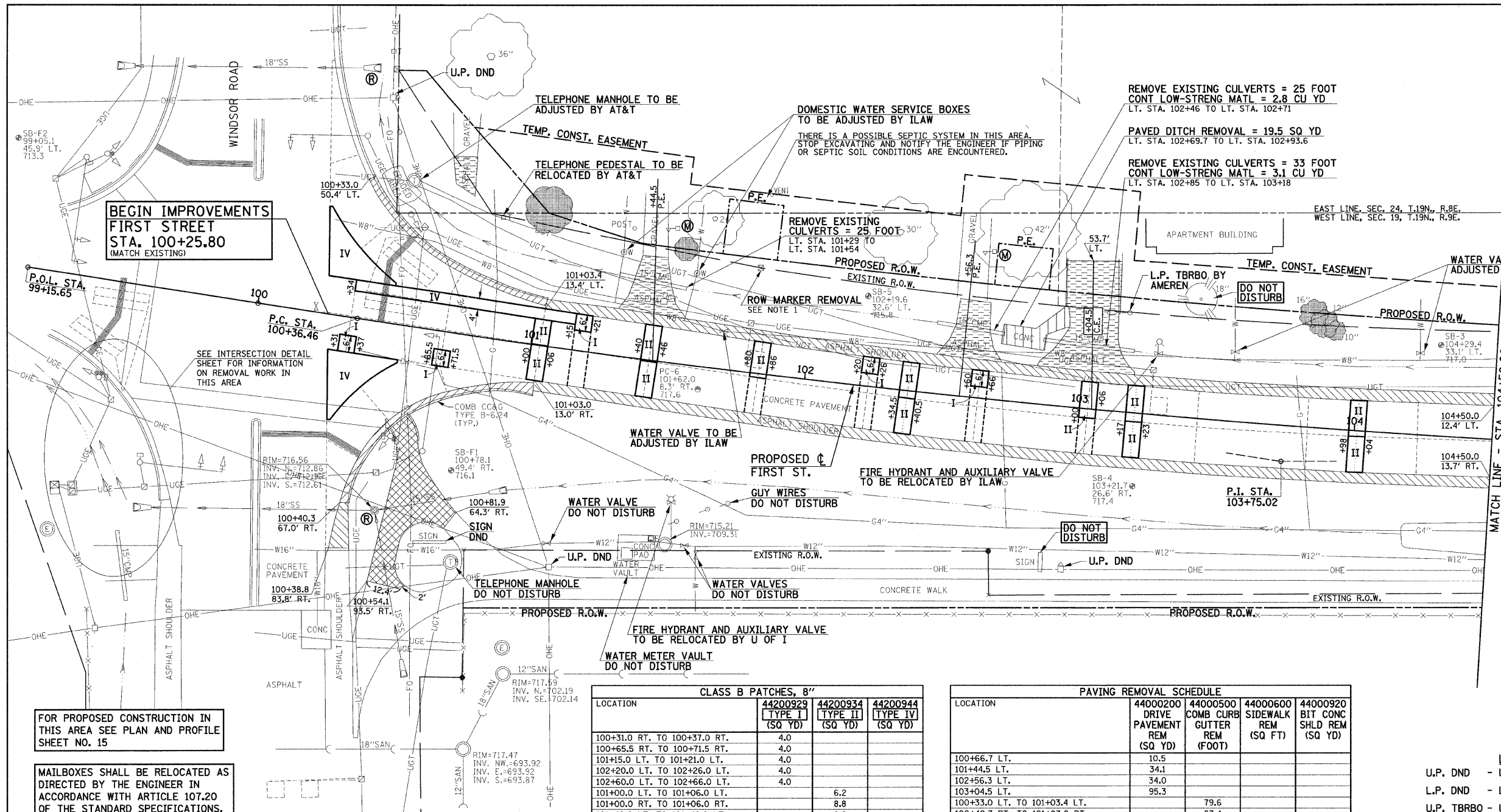
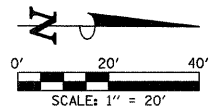
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CHECKED - J.T.P.	REVISED -
DATE - 2-09	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**HORIZONTAL ALIGNMENT LAYOUT AND CONTROL**  
 SCALE: 1"=40' SHEET NO. 12 OF 44 SHEETS STA. 100+00.00 TO STA. 110+00.00

F.A.U. RTE. 7170	SECTION 08-00277-00-PV	COUNTY CHAMPAIGN	TOTAL SHEETS 44	SHEET NO. 12
CONTRACT NO. 91397				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HD-5181 (044)				



**BEGIN IMPROVEMENTS  
FIRST STREET  
STA. 100+25.80  
(MATCH EXISTING)**

FOR PROPOSED CONSTRUCTION IN THIS AREA SEE PLAN AND PROFILE SHEET NO. 15

MAILBOXES SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS.

EXISTING PAVEMENTS, CURBS AND GUTTERS, AND SIDEWALKS IN WHICH THE TOP SURFACE IS TO BE JOINED TO THE PROPOSED WORK SHALL BE SO JOINED THROUGH SAW CUT JUNCTURES.

SEE THE DRAINAGE STRUCTURE AND PIPE SCHEDULES SHEET FOR STORM SEWER REMOVAL AND STRUCTURE REMOVAL AND ADJUSTMENT SCHEDULES.

SEE THE TRAFFIC SIGNAL PLANS FOR REQUIREMENTS FOR MAINTAINING AND REMOVING THE EXISTING TRAFFIC SIGNAL EQUIPMENT.

THE REMOVAL AND RELOCATION OF VARIOUS TRAFFIC SIGNS NOTED HEREON SHALL BE AS DIRECTED BY THE ENGINEER AND AS SPECIFIED IN THE STANDARD SPECIFICATIONS. THIS WORK SHALL NOT BE PAID FOR SEPARATELY AND IS CONSIDERED INCLUDED IN THE VARIOUS REMOVAL ITEMS.

**PROPOSED CURVE DATA**  
 FIRST STREET  
 P.I. STA. 103+75.02  
 Δ = 8°49'12"  
 D = 178'19"  
 T = 338.57'  
 R = 4390.00'  
 L = 675.79'  
 E = 13.04'  
 P.C. STA. 100+36.46  
 P.T. STA. 107+12.25  
 S.E. = SEE PROPOSED TYPICAL SECTIONS AND INTERSECTION DETAILS

LOCATION	CLASS B PATCHES, 8"		
	44200929 (TYPE I) (SQ YD)	44200934 (TYPE II) (SQ YD)	44200944 (TYPE IV) (SQ YD)
100+31.0 RT. TO 100+37.0 RT.	4.0		
100+65.5 RT. TO 100+71.5 RT.	4.0		
101+15.0 LT. TO 101+21.0 LT.	4.0		
102+20.0 LT. TO 102+26.0 LT.	4.0		
102+60.0 LT. TO 102+66.0 LT.	4.0		
101+00.0 LT. TO 101+06.0 LT.		6.2	
101+00.0 RT. TO 101+06.0 RT.		8.8	
101+40.0 LT. TO 101+46.0 LT.		8.8	
101+40.0 RT. TO 101+46.0 RT.		8.7	
101+80.0 LT. TO 101+86.0 LT. & RT.		8.8	
102+34.5 LT. TO 102+40.5 LT.		8.7	
102+34.5 RT. TO 102+40.5 RT.		8.7	
103+00.0 TO 103+06.0 LT. & RT.		8.7	
103+17.0 LT. TO 103+23.0 LT.		8.7	
103+17.0 RT. TO 103+23.0 RT.		8.7	
103+98.0 LT. TO 104+04.0 LT.		8.7	
103+98.0 RT. TO 104+04.0 RT.		8.7	
ISLAND AREA LT.			31.8
ISLAND AREA RT.			34.2
100+34.0 LT. TO 101+15.0 LT.			35.9
SHEET TOTAL	20.0	102.2	101.9

LOCATION	PAVING REMOVAL SCHEDULE			
	44000200 DRIVE PAVEMENT REM (SQ YD)	44000500 COMB CURB GUTTER REM (FOOT)	44000600 SIDEWALK REM (SQ FT)	44000920 BIT CONC SHLD REM (SQ YD)
100+66.7 LT.	10.5			
101+44.5 LT.	34.1			
102+56.3 LT.	34.0			
103+04.5 LT.	95.3			
100+33.0 LT. TO 101+03.4 LT.		79.6		
100+40.3 RT. TO 101+03.0 RT.		87.4		
100+54.1 RT. TO 100+81.9 RT.			754.2	
101+03.4 LT. TO 104+50.0 LT.				156.9
100+38.8 RT. TO 100+40.3 RT.				9.7
101+03.0 RT. TO 104+50.0 RT.				151.8
SHEET TOTAL	173.9	167.0	754.2	318.4

NOTE: THE DRIVEWAY PAVEMENT REMOVAL SHALL INCLUDE ANY CURBS THAT HAVE BEEN CONSTRUCTED MONOLITHIC WITH THE PAVEMENT. THE COST OF REMOVING THE CURBS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR DRIVEWAY PAVEMENT REMOVAL.

20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER)		
STATION	OFFSET	UNIT
103+86.4	37.9' LT.	12
103+90.5	35.7' LT.	10
SHEET TOTAL		22

20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER)		
STATION	OFFSET	UNIT
103+82.4	41.4' LT.	16
SHEET TOTAL		16

- LEGEND**
- U.P. DND - UTILITY POLE DO NOT DISTURB
  - L.P. DND - LIGHT POLE DO NOT DISTURB
  - U.P. TBRBO - UTILITY POLE TO BE RELOCATED BY OTHERS
  - L.P. TBRBO - LIGHT POLE TO BE RELOCATED BY OTHERS
  - (A) - STRUCTURE TO BE ADJUSTED
  - (R) - STRUCTURE TO BE REMOVED
  - (M) - MAILBOX TO BE RELOCATED
  - OR (M) - TREE REMOVAL
  - (Hatched) - DRIVEWAY PAVEMENT REMOVAL
  - (Hatched) - COMBINATION CURB AND GUTTER REMOVAL
  - (Hatched) - SIDEWALK REMOVAL
  - (Hatched) - BITUMINOUS CONCRETE SHOULDER REMOVAL
  - (Hatched) - CLASS B PATCHES, 8 INCH (TYPE SPECIFIED)
  - (---) - PROPOSED SAWED JOINTS (SEE NOTE 2)

- NOTES**
- THE EXISTING RIGHT-OF-WAY MARKERS THAT INTERFERE WITH THE PROPOSED IMPROVEMENTS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AT THE LOCATIONS SHOWN ON THE PLANS. THE COST OF REMOVING AND DISPOSING OF THE MARKERS SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE EARTH EXCAVATION AND NO ADDITIONAL PAYMENT WILL BE ALLOWED.
  - SAWED JOINTS 2 1/2" DEEP SHALL BE PLACED AT LOCATIONS SHOWN ON THE PLAN AND AS DIRECTED BY THE ENGINEER. THE COST OF CONSTRUCTING THE SAW JOINTS WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE CLASS B PATCHES.

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DATE - 2-09	REVISED -

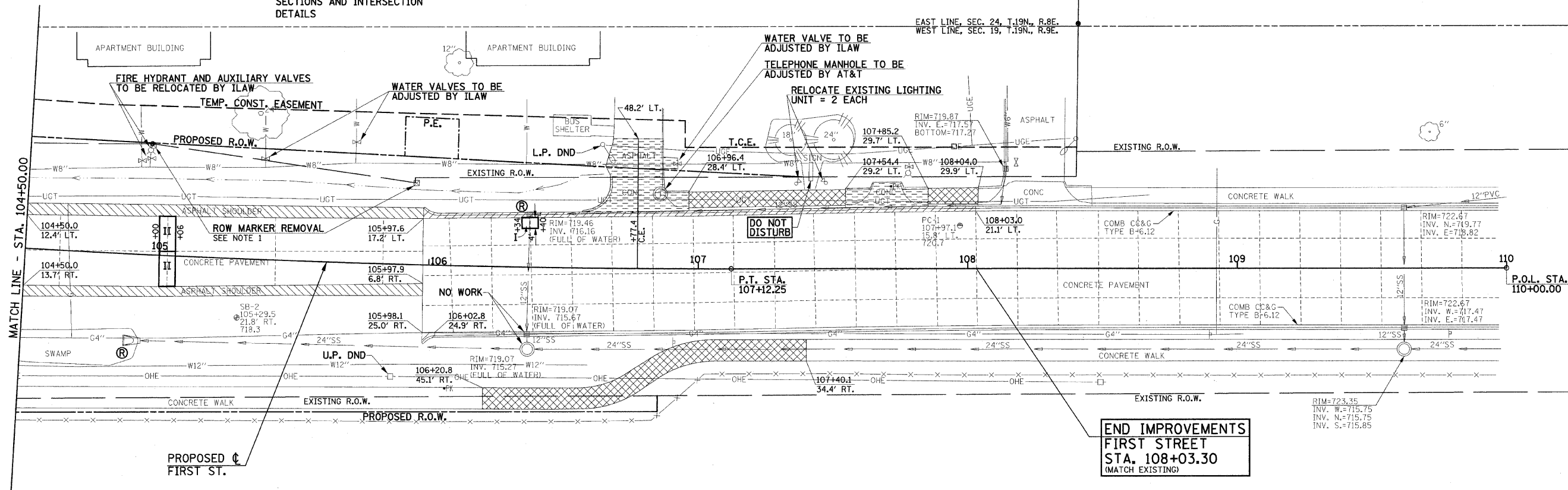
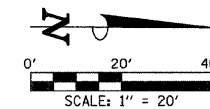
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**REMOVALS/RELOCATIONS PLAN**  
 SCALE: 1"=20'  
 SHEET NO. 13 OF 44 SHEETS  
 STA. 100+00.00 TO STA. 104+50.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7170	08-00277-00-PV	CHAMPAIGN	44	13

CONTRACT NO. 91397  
 ILLINOIS FED. AID PROJECT HD-5181 (044)

PROPOSED  $\phi$   
 FIRST STREET  
 CURVE DATA  
 P.I. STA. 103+75.02  
 $\Delta = 8^{\circ}49'12''$   
 $D = 178'19''$   
 $T = 338.57'$   
 $R = 4390.00'$   
 $L = 675.79'$   
 $E = 13.04'$   
 P.C. STA. 100+36.46  
 P.T. STA. 107+12.25  
 S.E. = SEE PROPOSED TYPICAL  
 SECTIONS AND INTERSECTION  
 DETAILS



FOR PROPOSED CONSTRUCTION IN THIS AREA SEE PLAN AND PROFILE SHEET NO. 16

MAILBOXES SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER IN ACCORDANCE WITH ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS.

EXISTING PAVEMENTS, CURBS AND GUTTERS, AND SIDEWALKS IN WHICH THE TOP SURFACE IS TO BE JOINED TO THE PROPOSED WORK SHALL BE SO JOINED THROUGH SAW CUT JUNCTURES.

SEE THE DRAINAGE STRUCTURE AND PIPE SCHEDULES SHEET FOR STORM SEWER REMOVAL AND STRUCTURE REMOVAL AND ADJUSTMENT SCHEDULES.

SEE THE TRAFFIC SIGNAL PLANS FOR REQUIREMENTS FOR MAINTAINING AND REMOVING THE EXISTING TRAFFIC SIGNAL EQUIPMENT.

THE REMOVAL AND RELOCATION OF VARIOUS TRAFFIC SIGNS NOTED HEREON SHALL BE AS DIRECTED BY THE ENGINEER AND AS SPECIFIED IN THE STANDARD SPECIFICATIONS. THIS WORK SHALL NOT BE PAID FOR SEPARATELY AND IS CONSIDERED INCLUDED IN THE VARIOUS REMOVAL ITEMS.

LOCATION	PAVING REMOVAL SCHEDULE			
	44000200 DRIVE PAVEMENT REM (SQ YD)	44000500 COMB CURB GUTTER REM (FOOT)	44000600 SIDEWALK REM (SQ FT)	44000920 BIT CONC SHLD REM (SQ YD)
106+77.4 LT.	73.7			
107+70.0 LT.	27.8			
105+97.6 LT. TO 108+03.0 LT.		205.7		
105+98.1 RT. TO 106+02.8 RT.		5.7		
106+20.8 RT. TO 107+40.1 RT.			988.2	
106+96.4 LT. TO 107+54.4 LT.			345.2	
107+85.2 LT. TO 108+04.0 LT.			111.2	
104+50.0 LT. TO 105+97.6 LT.				69.7
104+50.0 RT. TO 105+97.9 RT.				64.3
<b>SHEET TOTAL</b>	<b>101.5</b>	<b>211.4</b>	<b>1444.6</b>	<b>134.0</b>

NOTE: THE DRIVEWAY PAVEMENT REMOVAL SHALL INCLUDE ANY CURBS THAT HAVE BEEN CONSTRUCTED MONOLITHIC WITH THE PAVEMENT. THE COST OF REMOVING THE CURBS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR DRIVEWAY PAVEMENT REMOVAL.

LOCATION	CLASS B PATCHES, 8"	
	44200929 TYPE I (SQ YD)	44200934 TYPE II (SQ YD)
106+34.0 LT. TO 106+40.0 LT.	2.7	
105+00.0 LT. TO 105+06.0 LT.		8.6
105+00.0 RT. TO 105+06.0 RT.		8.6
<b>SHEET TOTAL</b>	<b>2.7</b>	<b>17.2</b>

- LEGEND**
- U.P. DND - UTILITY POLE DO NOT DISTURB
  - L.P. DND - LIGHT POLE DO NOT DISTURB
  - U.P. TBRBO - UTILITY POLE TO BE RELOCATED BY OTHERS
  - L.P. TBRBO - LIGHT POLE TO BE RELOCATED BY OTHERS
  - (A) - STRUCTURE TO BE ADJUSTED
  - (R) - STRUCTURE TO BE REMOVED
  - (M) - MAILBOX TO BE RELOCATED
  - OR (circle with X) - TREE REMOVAL
  - (hatched) - DRIVEWAY PAVEMENT REMOVAL
  - (diagonal lines) - COMBINATION CURB AND GUTTER REMOVAL
  - (cross-hatched) - SIDEWALK REMOVAL
  - (stippled) - BITUMINOUS CONCRETE SHOULDER REMOVAL
  - (dotted) - CLASS B PATCHES, 8 INCH (TYPE SPECIFIED)
  - (dashed line) - PROPOSED SAWED JOINTS

NOTE 1  
 THE EXISTING RIGHT-OF-WAY MARKERS THAT INTERFERE WITH THE PROPOSED IMPROVEMENTS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AT THE LOCATIONS SHOWN ON THE PLANS. THE COST OF REMOVING AND DISPOSING OF THE MARKERS SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE EARTH EXCAVATION AND NO ADDITIONAL PAYMENT WILL BE ALLOWED.

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 CHECKED - J.T.P.      REVISED -  
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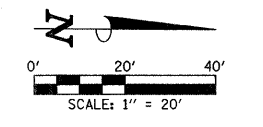
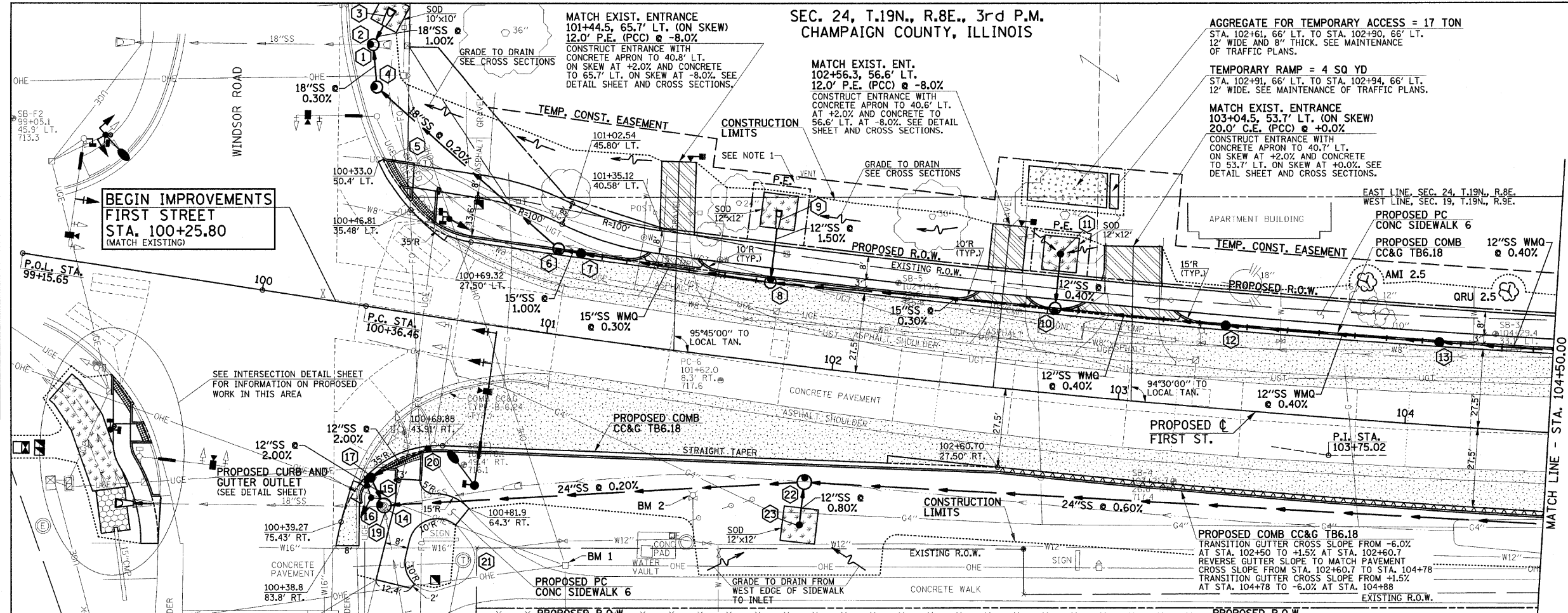
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

REMOVALS/RELOCATIONS PLAN

SCALE: 1"=20'      SHEET NO. 14 OF 44 SHEETS      STA. 104+50.00 TO STA. 110+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7170	08-00277-00-PV	CHAMPAIGN	44	14

CONTRACT NO. 91397  
 FED. ROAD DIST. NO.      ILLINOIS FED. AID PROJECT HD-5181 (044)



- LEGEND**
- PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)
  - PROPOSED PCC DRIVEWAY PAVEMENT (6" FOR P.E. - 8" FOR C.E.)
  - PROPOSED SIDEWALK RAMP
  - DETECTABLE WARNINGS (SEE DETAIL SHEET)
  - PROPOSED SODDING
  - PROPOSED REVERSE GUTTER SLOPE

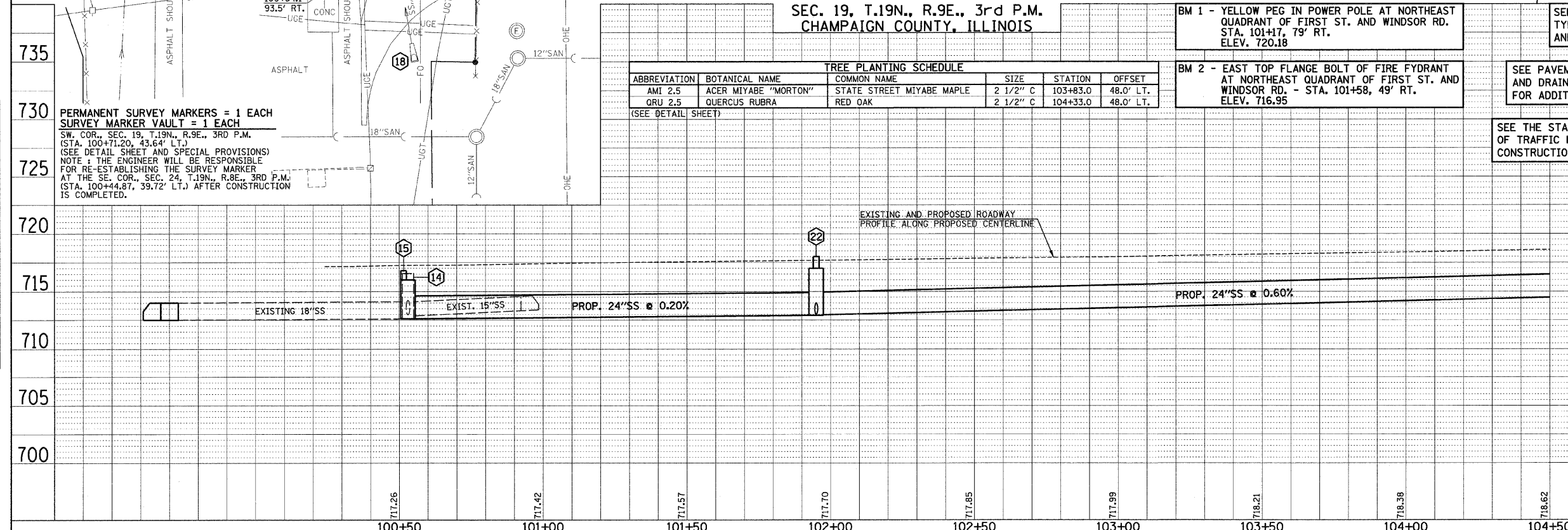
**PROPOSED C FIRST STREET CURVE DATA**

P.I. STA. 103+75.02  
 $\Delta = 8^{\circ}49'12''$   
 $D = 198.19'$   
 $T = 338.57'$   
 $R = 4390.00'$   
 $L = 675.79'$   
 $E = 13.04'$   
 P.C. STA. 100+36.46  
 P.T. STA. 107+12.25  
 S.E. = SEE PROPOSED TYPICAL SECTIONS AND INTERSECTION DETAILS

**NOTE 1**

THERE IS A POSSIBLE SEPTIC SYSTEM IN THIS AREA. STOP EXCAVATING AND NOTIFY THE ENGINEER IF PIPING OR SEPTIC SOIL CONDITIONS ARE ENCOUNTERED.

**FOR REMOVAL/RELOCATION PLAN IN THIS AREA SEE SHEET NO. 13**



**TREE PLANTING SCHEDULE**

ABBREVIATION	BOTANICAL NAME	COMMON NAME	SIZE	STATION	OFFSET
AMI 2.5	ACER MIYABE "MORTON"	STATE STREET MIYABE MAPLE	2 1/2" C	103+83.0	48.0' LT.
QRU 2.5	QUERCUS RUBRA	RED OAK	2 1/2" C	104+33.0	48.0' LT.

(SEE DETAIL SHEET)

**BM 1 - YELLOW PEG IN POWER POLE AT NORTHEAST QUADRANT OF FIRST ST. AND WINDSOR RD. STA. 101+17, 79' RT. ELEV. 720.18**

**BM 2 - EAST TOP FLANGE BOLT OF FIRE FYDRANT AT NORTHEAST QUADRANT OF FIRST ST. AND WINDSOR RD. - STA. 101+58, 49' RT. ELEV. 716.95**

SEE SCHEDULE OF QUANTITIES FOR TYPICAL SECTION PAVEMENT PAY ITEMS AND THEIR LOCATIONS.

SEE PAVEMENT JOINTS, INTERSECTION DETAILS AND DRAINAGE STRUCTURE AND PIPE SCHEDULES FOR ADDITIONAL INFORMATION.

SEE THE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLANS FOR THE VARIOUS STAGES AND CONSTRUCTION SEQUENCES ON FIRST ST.

**PERMANENT SURVEY MARKERS = 1 EACH SURVEY MARKER VAULT = 1 EACH**

SW. COR., SEC. 19, T.19N., R.9E., 3RD P.M. (STA. 100+71.20, 43.64' LT.) (SEE DETAIL SHEET AND SPECIAL PROVISIONS)

**NOTE:** THE ENGINEER WILL BE RESPONSIBLE FOR RE-ESTABLISHING THE SURVEY MARKER AT THE SE. COR., SEC. 24, T.19N., R.8E., 3RD P.M. (STA. 100+44.87, 39.72' LT.) AFTER CONSTRUCTION IS COMPLETED.

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DATE - 2-09	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE - FIRST STREET

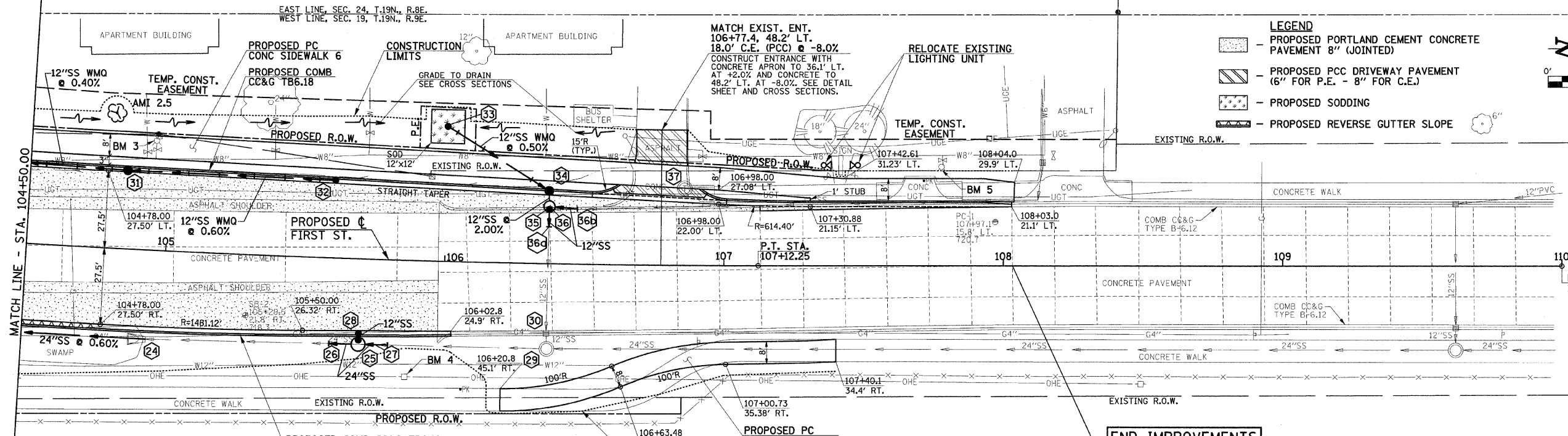
SCALE: 1"=20' SHEET NO. 15 OF 44 SHEETS STA. 100+00.00 TO STA. 104+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7170	08-00277-00-PV	CHAMPAIGN	44	15
CONTRACT NO. 91397			ILL. FED. AID PROJECT HD-5181 (044)	

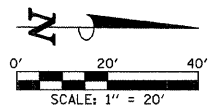


SEC. 24, T.19N., R.8E., 3rd P.M.  
CHAMPAIGN COUNTY, ILLINOIS

CONTRACT NO. 91397



- LEGEND**
- PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)
  - PROPOSED PCC DRIVEWAY PAVEMENT (6" FOR P.E. - 8" FOR C.E.)
  - PROPOSED SODDING
  - PROPOSED REVERSE GUTTER SLOPE



**PROPOSED FIRST STREET CURVE DATA**  
 P.I. STA. 103+75.02  
 $\Delta = 8^{\circ}49'12''$   
 $D = 1^{\circ}18'19''$   
 $T = 338.57'$   
 $R = 4390.00'$   
 $L = 675.79'$   
 $E = 13.04'$   
 P.C. STA. 100+36.46  
 P.T. STA. 107+12.25  
 S.E. = SEE PROPOSED TYPICAL SECTIONS AND INTERSECTION DETAILS

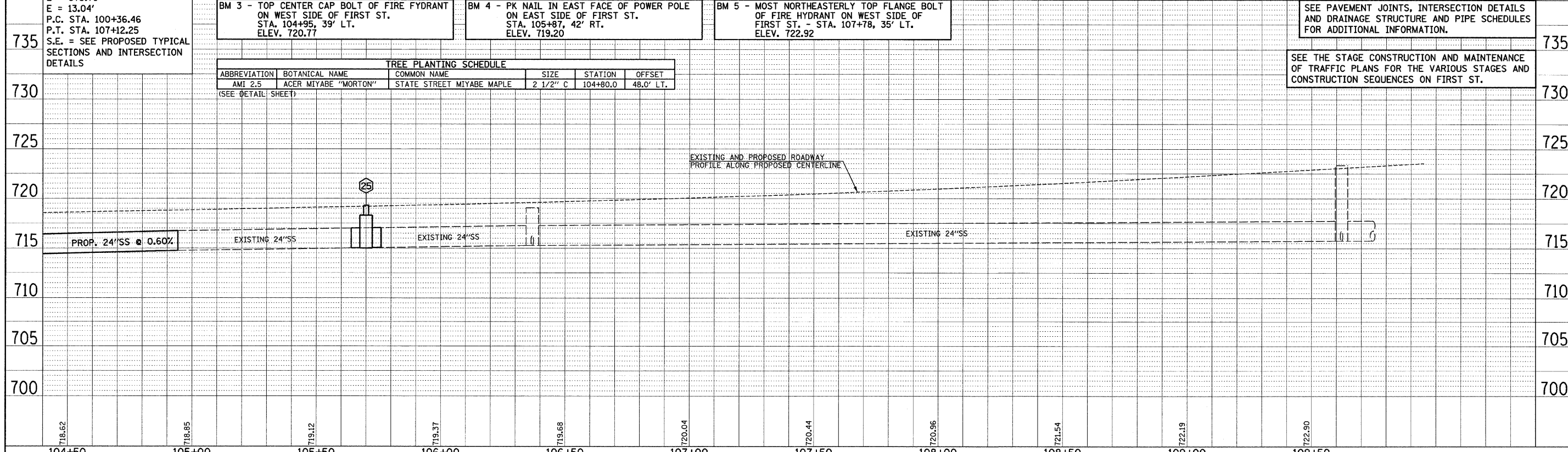
**PROPOSED COMB CC&G TB6.18**  
 TRANSITION GUTTER CROSS SLOPE FROM -6.0% AT STA. 102+50 TO +1.5% AT STA. 102+60.7  
 REVERSE GUTTER SLOPE TO MATCH PAVEMENT CROSS SLOPE FROM STA. 102+60.7 TO STA. 104+78  
 TRANSITION GUTTER CROSS SLOPE FROM +1.5% AT STA. 104+78 TO -6.0% AT STA. 104+88

**END IMPROVEMENTS FIRST STREET STA. 108+03.30 (MATCH EXISTING)**

FOR REMOVAL/RELOCATION PLAN IN THIS AREA SEE SHEET NO. 14

SEE SCHEDULE OF QUANTITIES FOR TYPICAL SECTION PAVEMENT PAY ITEMS AND THEIR LOCATIONS.

SEC. 19, T.19N., R.9E., 3rd P.M.  
CHAMPAIGN COUNTY, ILLINOIS



**BM 3 - TOP CENTER CAP BOLT OF FIRE HYDRANT ON WEST SIDE OF FIRST ST. STA. 104+95, 39' LT. ELEV. 720.77**

**BM 4 - PK NAIL IN EAST FACE OF POWER POLE ON EAST SIDE OF FIRST ST. STA. 105+87, 42' RT. ELEV. 719.20**

**BM 5 - MOST NORTHEASTERLY TOP FLANGE BOLT OF FIRE HYDRANT ON WEST SIDE OF FIRST ST. - STA. 107+78, 35' LT. ELEV. 722.92**

**TREE PLANTING SCHEDULE**

ABBREVIATION	BOTANICAL NAME	COMMON NAME	SIZE	STATION	OFFSET
AMI 2.5	ACER MIYABE "MORTON"	STATE STREET MIYABE MAPLE	2 1/2" C	104+80.0	48.0' LT.

(SEE DETAIL SHEET)

SEE PAVEMENT JOINTS, INTERSECTION DETAILS AND DRAINAGE STRUCTURE AND PIPE SCHEDULES FOR ADDITIONAL INFORMATION.

SEE THE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLANS FOR THE VARIOUS STAGES AND CONSTRUCTION SEQUENCES ON FIRST ST.

FILE NAME = p:\c001046\plans\sheet\firststp.dgn	DESIGNED - R.L.H.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE - FIRST STREET	F.A.U. RTE. 7170	SECTION 08-00277-00-PV	COUNTY CHAMPAIGN	TOTAL SHEETS 44	SHEET NO. 16	
PLOT DATE = 2/6/2009 11:05:49 AM	DRAWN - J.L.B.	REVISED -			SCALE: 1"=20'	SHEET NO. 16 OF 44 SHEETS	STA. 104+50.00 TO STA. 110+00.00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT HD-5181 (044)	CONTRACT NO. 91397
	CHECKED - J.T.P.	REVISED -								
	DATE - 2-09	REVISED -								



DRAINAGE STRUCTURE AND PIPE SCHEDULES - PLAN AND PROFILE SHEET NO. 15

STRUCTURE NUMBER	STRUCTURE TYPE	OFFSET SIDE	CENTERLINE STATION OF 2' OPENING	OFFSET TO CENTERLINE OF 2' OPENING	CENTERLINE STATION OF STRUCTURE	OFFSET TO CENTERLINE OF STRUCTURE	EXISTING TOP OF FRAME AND GRATE ELEVATION	PROPOSED TOP OF FRAME AND GRATE ELEVATION	PROPOSED TOP OF FLAT SLAB TOP ELEVATION	INVERT IN	UPSTREAM STRUCTURE	INVERT OUT	DOWNSTREAM STRUCTURE
1	RD MAN TA 4 DIA T1 CLOSED	LT	*100+24.00	*90.00	*100+25.00	*90.00	----	716.60	715.80	713.40	3	713.40	SOUTH
2	CONNECT SS TO MAN	LT	----	----	*100+25.00	*90.00	----	----	----	713.40	4	713.40	SOUTH
3	REM & REIN CONC FLAR END SEC	LT	----	----	**100+27.50	**97.00	----	----	----	713.45	DITCH	713.42	1
4	RD MAN TA 4 DIA T1 CLOSED	LT	100+27.50	76.00	100+28.50	76.00	----	716.60	715.80	713.45	6	713.43	1
5	MANHOLE ADJUST (BY OTHERS)	LT	100+49.40	52.30	----	----	714.63	717.00	----	----	----	----	----
6	RD MAN TA 4 DIA T3 F & G	LT	101+00.00	28.50	101+00.00	29.50	----	716.88	716.01	713.70	7	713.61	4
7	RD INLETS TB T3 F & G	LT	101+08.00	28.50	101+08.00	29.00	----	716.88	716.01	713.75	8	713.75	6
8	RD MAN TA 4 DIA T3V F & G	LT	101+75.00	28.50	101+75.00	27.50	----	717.03	716.16	713.94	10	713.94	7
9	PRC FLAR END SEC 12"	LT	----	----	**101+75.00	**46.50	----	----	----	714.06	9	714.06	8
	GRATING - C FL END S 12"									714.40	DITCH	714.31	8
10	RD MAN TA 4 DIA T3V F & G	LT	102+75.00	28.50	102+75.00	29.50	----	717.34	716.47	714.32	12	714.23	8
										714.24	11	714.23	8
11	INLETS TA T8 GRATE	LT	102+75.00	48.50	102+75.00	48.50	----	716.00	----	----	13	714.30	10
12	RD INLETS TB T3V F & G	LT	103+35.00	28.50	103+35.00	29.00	----	717.59	716.72	714.61	13	714.55	10
13	RD INLETS TB T3V F & G	LT	104+10.00	28.50	104+10.00	29.00	----	717.86	716.99	714.96	31	714.90	12
14	REMOVE MANHOLE	RT	100+53.00	67.90	----	----	716.56	----	----	712.96	18	712.61	SOUTH
										712.86	NORTH	712.61	22
15	RD MAN TA 5 DIA T1 CLOSED	RT	100+51.50	67.50	100+53.00	67.50	----	716.80	716.00	713.08	17	712.61	SOUTH
										712.96	18	712.61	22
16	CONNECT SS TO MAN	RT	----	----	100+53.00	67.50	----	----	----	----	----	712.61	SOUTH
17	RD INLETS TB T3 F & G	RT	100+46.50	58.65	100+47.00	58.65	----	716.68	715.81	713.28	20	713.20	15
18	FLAR END SEC (NO WORK)	RT	----	----	**100+70.10	**120.00	----	----	----	----	----	715.24	15
19	CONNECT SS TO MAN	RT	----	----	100+53.00	67.50	----	----	----	----	----	712.96	18
20	INLETS TA T3V F & G	RT	100+65.00	45.85	100+65.00	45.85	----	716.80	----	----	----	713.70	17
21	MANHOLE (NO WORK)	RT	100+82.50	82.30	----	----	715.55	----	----	----	----	----	----
22	RD MAN TA 5 DIA T1 CLOSED	RT	101+95.00	38.50	101+95.00	40.00	----	718.00	717.00	713.00	23	712.90	15
										712.95	24	713.10	22
23	INLETS TA T8 GRATE	RT	101+95.00	55.00	101+95.00	55.00	----	714.60	----	----	----	713.10	22

\*FIELD VERIFY LOCATION AND ELEVATIONS \*\*STATION AND OFFSET TO DOWNSTREAM END OF END SECTION

LOCATION STRUCTURE TO STRUCTURE	CONCRETE COLLAR (EACH)	STORM SEWER REMOVAL 15" (FOOT)	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12" (FOOT)	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 15" (FOOT)	STORM SEWERS, CLASS A, TYPE 1 12" (FOOT)	STORM SEWERS, CLASS A, TYPE 1 15" (FOOT)	STORM SEWERS, CLASS A, TYPE 1 18" (FOOT)	STORM SEWERS, CLASS A, TYPE 1 24" (FOOT)	GRADE %	CONTROLLED LOW-STRENGTH MATERIAL (CU YD)
1 - 3							5		1.00	
1 - 4							11		0.30	
4 - 6							81		0.20	12.5
6 - 7						5			1.00	0.5
7 - 8				64					0.30	7.0
8 - 9							17		1.50	2.5
8 - 10							96		0.30	10.5
10 - 11							16		0.40	2.6
10 - 12				57					0.40	6.1
12 - 13				72					0.40	7.3
13 - 31				72					0.40	7.2
14 - NORTH		47								4.3
15 - 17							6		2.00	
15 - 22								142	0.20	10.7
17 - 20							21		2.00	2.6
22 - 23							12		0.80	
22 - 24	1							299	0.60	

CONCRETE COLLARS SHALL BE USED TO CONNECT STORM SEWERS

DRAINAGE STRUCTURE AND PIPE SCHEDULES - PLAN AND PROFILE SHEET NO. 16

STRUCTURE NUMBER	STRUCTURE TYPE	OFFSET SIDE	CENTERLINE STATION OF 2' OPENING	OFFSET TO CENTERLINE OF 2' OPENING	CENTERLINE STATION OF STRUCTURE	OFFSET TO CENTERLINE OF STRUCTURE	EXISTING TOP OF FRAME AND GRATE ELEVATION	PROPOSED TOP OF FRAME AND GRATE ELEVATION	PROPOSED TOP OF FLAT SLAB TOP ELEVATION	INVERT IN	UPSTREAM STRUCTURE	INVERT OUT	DOWNSTREAM STRUCTURE
24	CONNECT TO EXISTING S.S.	RT	----	----	*104+94.30	*32.00	----	----	----	----	----	*714.75	22
25	RD MAN TA 5 DIA T1 CLOSED	RT	105+70.00	*29.10	105+70.00	*30.60	----	719.30	718.30	715.70	28	*715.00	22
										*715.00	29	715.00	
26	CONNECT TO EXISTING S.S.	RT	----	----	*105+64.00	*30.60	----	----	----	*715.00	25	*715.00	22
27	CONNECT TO EXISTING S.S.	RT	----	----	*105+76.00	*30.60	----	----	----	*715.00	29	*715.00	25
28	INLETS TA T3 F & G	RT	105+70.00	26.70	105+70.00	26.70	----	718.88	----	----	----	715.80	25
29	MANHOLE (NO WORK)	RT	106+37.00	30.50	----	----	719.07	----	----	715.27	30	715.27	25
										715.27	NORTH	715.27	
30	INLET (NO WORK)	RT	106+36.80	24.90	----	----	719.07	----	----	715.67	36	715.67	29
31	RD INLETS TB T3V F & G	LT	104+85.00	28.50	104+85.00	28.00	----	718.27	717.40	715.36	32	715.25	13
32	INLETS TA T3V F & G	LT	105+60.00	27.75	105+60.00	27.75	----	718.79	----	----	----	715.80	31
33	INLETS TA T8 GRATE	LT	106+00.00	48.00	106+00.00	48.00	----	718.10	----	----	----	716.40	34
34	RD INLETS TB T3V F & G	LT	106+37.00	25.65	106+37.00	26.15	----	719.37	718.50	716.20	33	716.20	36
35	REMOVE INLET	LT	106+37.20	19.40	----	----	719.46	----	----	716.16	NORTH	716.16	30
36	RD MAN TA 4 DIA T1 CLOSED	LT	106+37.20	19.50	106+37.20	20.50	----	719.50	718.50	716.14	34	716.14	30
										716.16	NORTH	716.16	
36a	CONNECT TO EXISTING S.S.	LT	----	----	*106+37.20	*18.00	----	----	----	*716.14	36	*716.14	30
36b	CONNECT TO EXISTING S.S.	LT	----	----	*106+47.00	*19.50	----	----	----	*716.16	NORTH	*716.16	36
37	MANHOLE ADJUST (BY OTHERS)	LT	106+85.80	27.60	----	----	719.30	719.83	----	----	----	----	----

\*FIELD VERIFY LOCATION AND ELEVATIONS

LOCATION STRUCTURE TO STRUCTURE	CONCRETE COLLAR (EACH)	STORM SEWER REMOVAL 24" (FOOT)	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12" (FOOT)	STORM SEWERS, CLASS A, TYPE 1 12" (FOOT)	STORM SEWERS, CLASS A, TYPE 1 24" (FOOT)	GRADE %	CONTROLLED LOW-STRENGTH MATERIAL (CU YD)
24		6					
25 - 26	1			**8			
25 - 27	1			**8			
25 - 28				1			
26 - 27		12					
31 - 32			73			0.60	7.2
33 - 34			40			0.50	3.8
34 - 36				3		2.00	0.3
36 - 36a	1			**8			0.6
36 - 36b	1			**8			1.1

CONCRETE COLLARS SHALL BE USED TO CONNECT STORM SEWERS \*\*FOR CONNECTION TO EXISTING PIPES

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DESIGNED - R.L.H. REVISED -  
 DRAWN - J.L.B. REVISED -  
 CHECKED - J.T.P. REVISED -  
 DATE - 2-09 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DRAINAGE STRUCTURE AND PIPE SCHEDULES

SCALE : NONE SHEET NO. 17 OF 44 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7170	08-00277-00-PV	CHAMPAIGN	44	17
CONTRACT NO. 91397				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT HD-5181 (044)		

**TRAFFIC CONTROL GENERAL NOTES**

1. THE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLANS PROVIDE A SUGGESTED STAGE CONSTRUCTION SEQUENCE. PRIOR TO THE START OF CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL SUBMIT ALL REVISIONS TO THIS SEQUENCE AND THE RESULTANT CHANGES TO THE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLANS TO THE ENGINEER FOR APPROVAL. NO DEVIATIONS FROM THE SUGGESTED PLAN WILL BE ALLOWED WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
2. TRAFFIC CONTROL AND PROTECTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION; THE APPLICABLE GUIDELINES CONTAINED IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS; STANDARDS 701006, 701301, 701311, 701501, 701602, 701701, 701801, AND 701901; THE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLANS; AND THE SPECIAL PROVISIONS.
3. TRAFFIC CONTROL AND PROTECTION WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL COMPLETE. THE TRAFFIC CONTROL AND PROTECTION INSTALLATION FOR EACH WORK AREA WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE LUMP SUM PRICE FOR THIS ITEM. ALL ADDITIONAL TRAFFIC CONTROL DEVICES AND SIGNS REQUIRED FOR THE WORK AS SHOWN ON THE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLANS OR AS DIRECTED BY THE ENGINEER SHALL BE INCLUDED IN THE LUMP SUM PRICE OF TRAFFIC CONTROL COMPLETE. STANDARDS 701501, 701602, 701701 AND 701801 WILL NOT BE MEASURED FOR PAYMENT AS DESCRIBED IN ARTICLES 701.19(c) AND 701.20(b), BUT SHALL BE INCLUDED IN THE LUMP SUM PRICE FOR TRAFFIC CONTROL COMPLETE.
4. STANDARD 701006 MAY BE USED FOR OFF-ROAD OPERATIONS 15' TO 24" FROM THE EDGE OF PAVEMENT. STANDARDS 701301 AND 701311 MAY BE USED FOR SHORT TERM OPERATIONS REQUIRING THE CLOSURE OF ONE TRAFFIC LANE. STANDARDS 701006, 701301, AND 701311 WILL NOT BE MEASURED FOR PAYMENT, AS DESCRIBED IN ARTICLE 701.19(c) OF THE STANDARD SPECIFICATIONS.
5. TRAFFIC CONTROL SURVEILLANCE WILL NOT BE PAID FOR SEPARATELY FOR THIS PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSPECTING AND MAINTAINING ALL TRAFFIC CONTROL DEVICES AT ALL TIMES INCLUDING NIGHTTIME, WEEKENDS, AND ANY TIME WORKERS ARE NOT PRESENT. THIS WORK SHALL BE PERFORMED IN ACCORDANCE WITH RECURRING SPECIAL PROVISION LRS3. THE COST OF ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED FOR THE INSPECTION AND MAINTENANCE OF THE TRAFFIC CONTROL DEVICES SHALL BE INCLUDED IN THE LUMP SUM PRICE OF TRAFFIC CONTROL COMPLETE.
6. TEMPORARY HOT-MIX ASPHALT PAVEMENT SHALL BE 8" OF HOT-MIX ASPHALT BINDER COURSE PLACED IN TWO LIFTS AS SHOWN ON THE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLANS. TEMPORARY HOT-MIX ASPHALT PAVEMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70. TEMPORARY HOT-MIX ASPHALT PAVEMENT REMOVAL WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR PAVEMENT REMOVAL.
7. TEMPORARY AGGREGATE ENTRANCES AND ACCESS ROADS SHALL BE 8" THICK (MINIMUM) AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR AGGREGATE FOR TEMPORARY ACCESS. THE PLACEMENT, MAINTENANCE, AND REMOVAL OF THE TEMPORARY AGGREGATE ENTRANCES AND ACCESS ROADS SHALL BE INCLUDED IN THE PRICE OF AGGREGATE FOR TEMPORARY ACCESS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
8. TEMPORARY HOT-MIX ASPHALT RAMPS SHALL HAVE A MINIMUM TAPER RATE OF 1:20 (V:H) AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR TEMPORARY RAMP. THE CONSTRUCTION, MAINTENANCE, AND REMOVAL OF THE TEMPORARY HOT-MIX ASPHALT RAMPS SHALL BE INCLUDED IN THE PRICE OF THIS ITEM.
9. TEMPORARY HOT-MIX ASPHALT PAVEMENT, TEMPORARY AGGREGATE ENTRANCES, AND TEMPORARY RAMPS SHALL BE CONSTRUCTED AT THE LOCATIONS SHOWN ON THE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLANS OR AS OTHERWISE DIRECTED BY THE ENGINEER.
10. THE WORK ZONE PAVEMENT MARKING SHOWN ON THE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLANS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR TEMPORARY PAVEMENT MARKING - LINE 4", PAVEMENT MARKING TAPE, TYPE III 4" AND PAVEMENT MARKING TAPE, TYPE III 24". WORK ZONE PAVEMENT MARKING REQUIRED BY THE TRAFFIC CONTROL AND PROTECTION STANDARDS WILL NOT BE PAID FOR SEPARATELY, AS DESCRIBED IN ARTICLE 703.07 OF THE STANDARD SPECIFICATIONS. ONLY PAVEMENT MARKING TAPE, TYPE III SHALL BE ALLOWED ON THE FINAL WEARING SURFACE. THE REMOVAL OF WORK ZONE PAVEMENT MARKING WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR WORK ZONE PAVEMENT MARKING REMOVAL.
11. THE CONTRACTOR SHALL REMOVE EXISTING PAVEMENT MARKINGS OR PREVIOUSLY INSTALLED WORK ZONE PAVEMENT MARKINGS THAT CONFLICT WITH THE TRAFFIC CONTROL PLAN DESIGNATED FOR EACH CONSTRUCTION STAGE. REMOVAL OF THE WORK ZONE PAVEMENT MARKINGS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR WORK ZONE PAVEMENT MARKING REMOVAL. REMOVAL OF THE EXISTING PAVEMENT MARKINGS SHALL BE DONE IN ACCORDANCE WITH SECTION 783 OF THE STANDARD SPECIFICATIONS AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR PAVEMENT MARKING REMOVAL.
12. LANDSCAPING SHALL BE PERFORMED AT THE COMPLETION OF EACH STAGE AND PRIOR TO OPENING THE ROADWAY TO TRAFFIC. THE CONTRACTOR MAY COMPLETE THE FINAL PAVEMENT MARKING AFTER THE COMPLETION OF THE ENTIRE PROJECT BY PERFORMING THE WORK UNDER TRAFFIC USING THE APPROPRIATE TRAFFIC CONTROL AND PROTECTION STANDARDS.
13. THE CONTRACTOR SHALL COVER OR REMOVE ANY EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL SHOWN ON THE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLANS. THE PROPOSED TRAFFIC CONTROL SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD 701901.
14. PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED AND OPERATIONAL FIVE DAYS PRIOR TO THE START OF ROAD CONSTRUCTION FOR EACH STAGE. THE SIGNS SHALL BE INSTALLED AT THE LOCATIONS SHOWN ON THE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLANS OR AS OTHERWISE DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL INSPECT THE SIGNS BY 8:00 A.M. EACH DAY TO ENSURE THAT THE SIGNS ARE FULLY OPERATIONAL AND IN PROPER WORKING ORDER. THE SIGNS SHALL BE REMOVED TWO DAYS AFTER THE START OF CONSTRUCTION FOR EACH STAGE. FURNISHING, INSPECTING, MAINTAINING, AND REMOVING THE PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE INCLUDED IN THE PRICE OF CHANGEABLE MESSAGE SIGN AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
15. THE REQUIREMENTS OF ARTICLE 701.07 FOR THE MAXIMUM ALLOWABLE DIFFERENTIAL IN ELEVATION SHALL APPLY. THE CONTRACTOR SHALL PLACE DRUMS OR BARRICADES WITH STEADY BURN LIGHTS AT 50' CENTERS OR AS OTHERWISE DIRECTED BY THE ENGINEER TO DELINEATE THE DROP-OFFS.
16. FLASHING LIGHTS SHALL BE PLACED ON ALL TYPE III BARRICADES IN ACCORDANCE WITH STANDARD 701901 UNLESS OTHERWISE SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER. STEADY BURN LIGHTS SHALL BE PLACED ON ALL DRUMS AND BARRICADES (EXCEPT FOR TYPE III BARRICADES) IN ACCORDANCE WITH STANDARD 701901 UNLESS OTHERWISE SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER.
17. TYPE III BARRICADES NOT ASSOCIATED WITH ANY TRAFFIC CONTROL AND PROTECTION STANDARD, BUT REQUIRED BY THE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLANS OR BY THE ENGINEER, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE LUMP SUM PRICE OF TRAFFIC CONTROL COMPLETE.
18. THE PROPOSED TRAFFIC SIGNAL HEADS AT THE INTERSECTION OF FIRST STREET AND WINDSOR ROAD SHALL BE BAGGED UNTIL THE END OF STAGE III UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
19. TRAFFIC CONTROL DEVICES MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. TRAFFIC CONTROL DEVICES SHALL BE REMOVED AS DIRECTED BY THE ENGINEER.
20. THE CONTRACTOR SHALL NOTIFY THE CITY OF CHAMPAIGN OF ALL ROAD CLOSURES AND DETOURS A MINIMUM OF 48 HOURS IN ADVANCE OF THE ROAD CLOSURES AND DETOURS.
21. THE CITY OF CHAMPAIGN WILL BE RESPONSIBLE FOR NOTIFYING THE PUBLIC, THE UNITED STATES POSTAL SERVICE, THE MASS TRANSIT DISTRICT, AND THE EMERGENCY SERVICE AGENCIES OF ALL ROAD CLOSURES AND DETOURS. FOR THE SUGGESTED STAGE CONSTRUCTION SEQUENCE, REFER TO THE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLANS FOR EACH STAGE.
22. FOR INFORMATION ON EXISTING ITEMS TO BE REMOVED AND PROPOSED ITEMS TO BE CONSTRUCTED, REFER TO THE REMOVALS/RELOCATIONS PLANS AND THE PLAN AND PROFILE SHEETS.
23. THE WORK ZONES SHOWN ON THE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLANS AND THE PLACEMENT OF SIGNS, BARRICADES, AND OTHER TRAFFIC CONTROL DEVICES DEPICTED HEREON ARE SCHEMATIC IN NATURE. FOR SPECIFIC INSTRUCTIONS ON THE INCLUSION OF SIGNS, BARRICADES, AND OTHER TRAFFIC CONTROL DEVICES FOR INDIVIDUAL WORK ZONES, AND THE PLACEMENT THEREOF, REFER TO THE STANDARD DETAILS INCLUDED IN THESE PLANS, THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE SPECIAL PROVISIONS. SIGNS, BARRICADES, AND OTHER TRAFFIC CONTROL DEVICES THAT ARE SHOWN ON THE TRAFFIC CONTROL AND PROTECTION STANDARDS REQUIRED FOR THIS WORK ARE NOT SHOWN ON THE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLANS UNLESS OTHERWISE NOTED.
24. IT WILL BE NECESSARY FOR THE CONTRACTOR TO STORE SUITABLE EARTH MATERIAL FOR THE EMBANKMENTS AND TOPSOIL. THE MATERIAL SHALL BE STORED AT LOCATIONS APPROVED BY THE ENGINEER WITHIN THE PROPOSED RIGHT-OF-WAY AND EASEMENT LIMITS. THE CONTRACTOR MAY PLACE THE EMBANKMENT MATERIAL IN THE PERMANENT LOCATIONS PROVIDING TRAFFIC IS MAINTAINED AT ALL TIMES USING THE APPROPRIATE TRAFFIC CONTROL AND PROTECTION STANDARD AND WITH THE APPROVAL OF THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF THE VARIOUS EARTHWORK PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

**TRAFFIC CONTROL SUMMARY OF QUANTITIES**

CODE NUMBER	ITEM	UNIT	QUANTITY
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	17
40600990	TEMPORARY RAMP	SQ YD	4
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	259
44000100	PAVEMENT REMOVAL	SQ YD	543
* 70103700	TRAFFIC CONTROL COMPLETE	L SUM	1
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	599
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	400
70300570	PAVEMENT MARKING TAPE, TYPE III 24"	FOOT	36
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	204
* X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	21

\*SEE SPECIAL PROVISIONS

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





DESIGNED - R.L.H.	REVISED -
DRAWN - J.L.B.	REVISED -
CHECKED - J.T.P.	REVISED -
DATE - 2-09	REVISED -

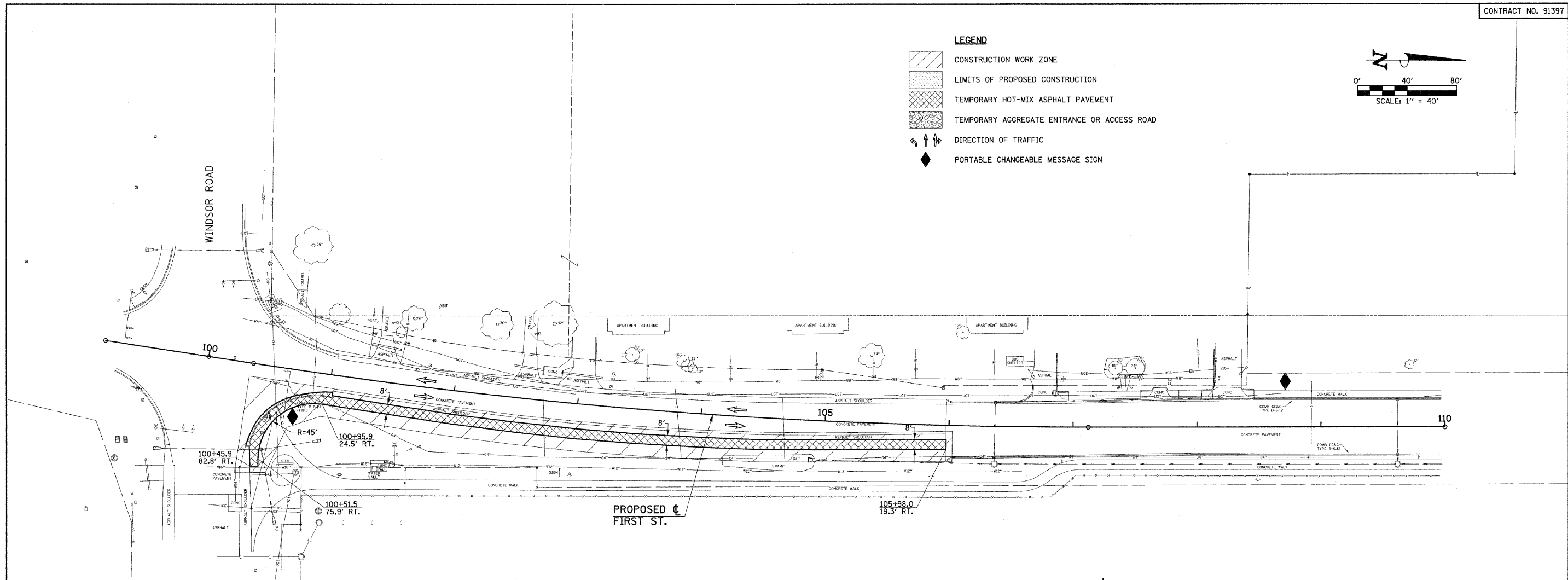
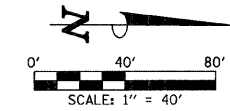
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION AND  
 MAINTENANCE OF TRAFFIC PLANS  
 GENERAL NOTES AND SUMMARY OF QUANTITIES

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7170	08-00277-00-PV	CHAMPAIGN	44	18
SCALE : NONE			SHEET NO. 18 OF 44 SHEETS	STA. TO STA.
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT HD-5181 (044)	CONTRACT NO. 91397

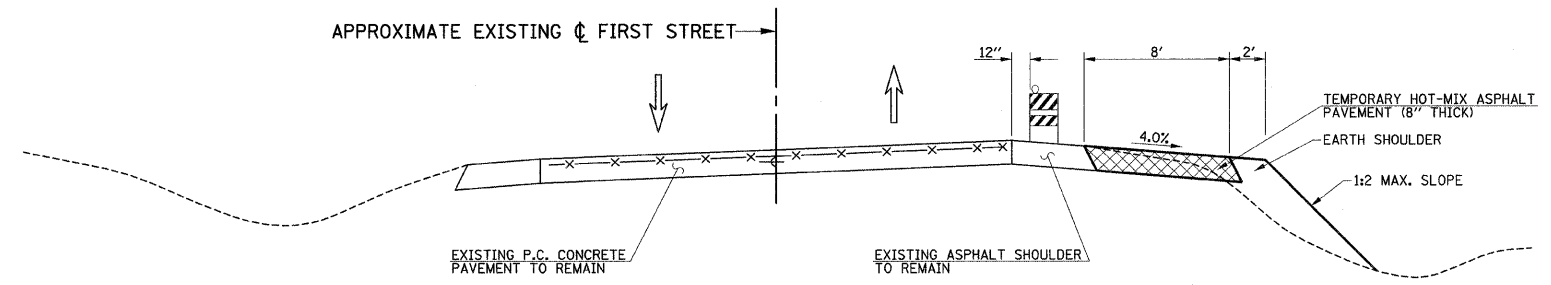
**LEGEND**

-  CONSTRUCTION WORK ZONE
-  LIMITS OF PROPOSED CONSTRUCTION
-  TEMPORARY HOT-MIX ASPHALT PAVEMENT
-  TEMPORARY AGGREGATE ENTRANCE OR ACCESS ROAD
-  DIRECTION OF TRAFFIC
-  PORTABLE CHANGEABLE MESSAGE SIGN



**SUGGESTED STAGE I CONSTRUCTION SEQUENCE**

1. INSTALL PORTABLE CHANGEABLE MESSAGE SIGNS PRIOR TO THE START OF CONSTRUCTION AS DIRECTED BY THE ENGINEER. SEE TRAFFIC CONTROL GENERAL NOTE NO. 14.
2. PROVIDE TRAFFIC CONTROL ON FIRST STREET AND WINDSOR ROAD IN ACCORDANCE WITH STANDARDS 701501 AND 701701. CLOSE THE SIDEWALK IN ACCORDANCE WITH STANDARD 701801.
3. CONSTRUCT THE TEMPORARY HOT-MIX ASPHALT PAVEMENT AND EMBANKMENT.
4. REMOVE EXISTING PAVEMENT MARKINGS FOR EDGE LINE ON EAST SIDE OF FIRST STREET.
5. PLACE TEMPORARY PAVEMENT MARKING - LINE 4" AND PAVEMENT MARKING TAPE, TYPE III 4" AS SHOWN ON STAGE II PLAN.
6. CONSTRUCT THE TEMPORARY TRAFFIC SIGNALS TO BE USED FOR STAGE II AND III. SEE THE TEMPORARY TRAFFIC SIGNAL PLANS FOR ADDITIONAL INFORMATION.
7. PLACE THE TEMPORARY TRAFFIC SIGNALS IN OPERATION. SEE THE TEMPORARY TRAFFIC SIGNAL PLANS FOR ADDITIONAL INFORMATION. THE DATE AND TIME FOR PLACING THE TEMPORARY TRAFFIC SIGNALS OR THE PERMANENT TRAFFIC SIGNALS IN OPERATION MUST BE APPROVED BY THE ENGINEER PRIOR TO DOING THE WORK. THE CONTRACTOR SHALL PROVIDE ANY ADDITIONAL TRAFFIC CONTROL DEVICES AND FLAGGERS TO MAINTAIN TRAFFIC WHEN THE TRAFFIC SIGNALS ARE OUT OF OPERATION. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND WILL BE INCLUDED IN THE PAY ITEM FOR TRAFFIC CONTROL COMPLETE.



**WORK ZONE TYPICAL SECTION**  
STAGE I

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS TABLE**

LOCATION	TEMPORARY PAVEMENT
MIXTURE USE:	BINDER
AC/PG	PG 64-22
RAP % (MAX)	15
DESIGN AIR VOIDS	4.0% @ NDES = 70
MIXTURE COMPOSITION (GRADATION)	IL 19.0
FRICTION AGGREGATE	N/A

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






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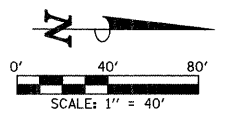
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLANS  
 STAGE I  
 SCALE: 1"=40' SHEET NO. 19 OF 44 SHEETS STA. 100+00.00 TO STA. 110+00.00

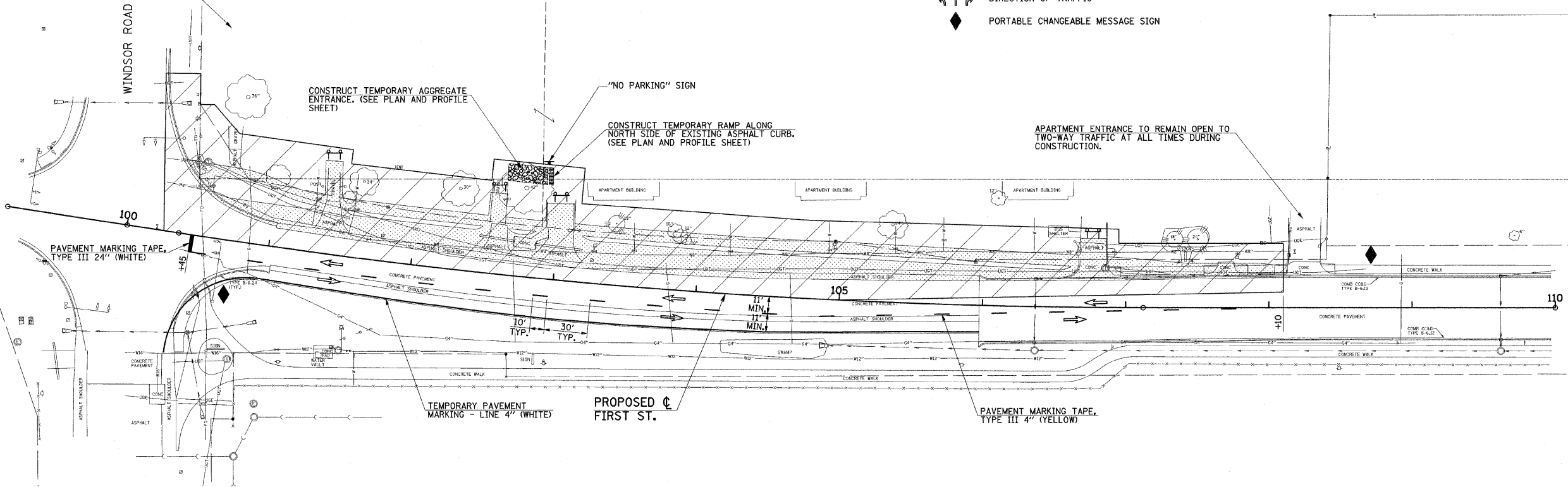
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CONTRACT NO. 91397			ILLINOIS FED. AID PROJECT HD-5181 (044)	

**LEGEND**

-  CONSTRUCTION WORK ZONE
-  LIMITS OF PROPOSED CONSTRUCTION
-  TEMPORARY HOT-MIX ASPHALT PAVEMENT
-  TEMPORARY AGGREGATE ENTRANCE OR ACCESS ROAD
-  TYPE 3 BARRICADE
-  DIRECTION OF TRAFFIC
-  PORTABLE CHANGEABLE MESSAGE SIGN



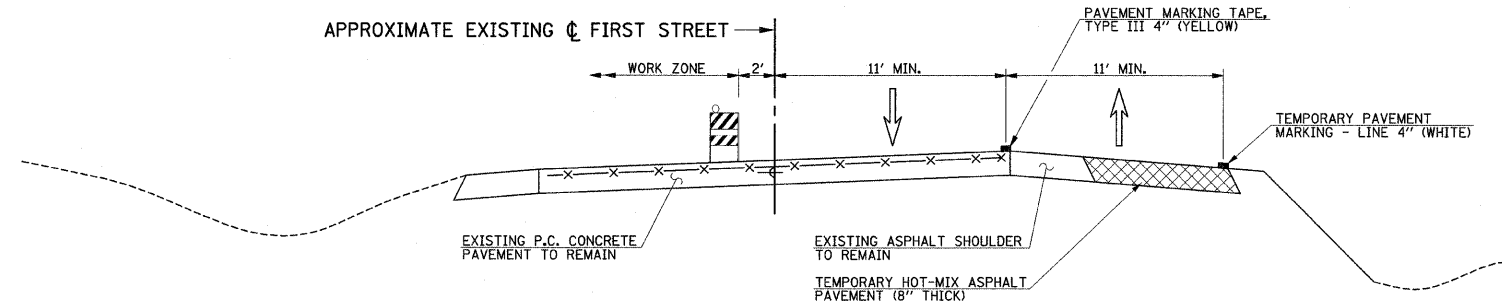
ACCESS TO RESIDENCE TO BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION FROM EXISTING ENTRANCE ON WINDSOR ROAD.



**SUGGESTED STAGE II CONSTRUCTION SEQUENCE**

1. SHIFT TRAFFIC AS SHOWN ON THE STAGE II PLAN.
2. CONSTRUCT THE TEMPORARY AGGREGATE ENTRANCE AND TEMPORARY RAMP AND PLACE TYPE III BARRICADES AS SHOWN ON THE STAGE II PLAN. MAINTAIN ACCESS TO RESIDENCES AND APARTMENT BUILDINGS AS NOTED ON THE STAGE II PLAN. THE TEMPORARY ENTRANCE SHALL BE REMOVED AT THE END OF STAGE II.
3. PROVIDE TRAFFIC CONTROL ON FIRST STREET AND WINDSOR ROAD IN ACCORDANCE WITH STANDARDS 701501, 701701, AND 701801.
4. CONSTRUCT ALL PROPOSED IMPROVEMENTS ALONG THE WEST SIDE OF FIRST STREET.
5. PLACE PAVEMENT MARKING TAPE, TYPE III 4" AS SHOWN ON THE STAGE III PLAN.

**APPROXIMATE EXISTING FIRST STREET**



**WORK ZONE TYPICAL SECTION**  
STAGE II







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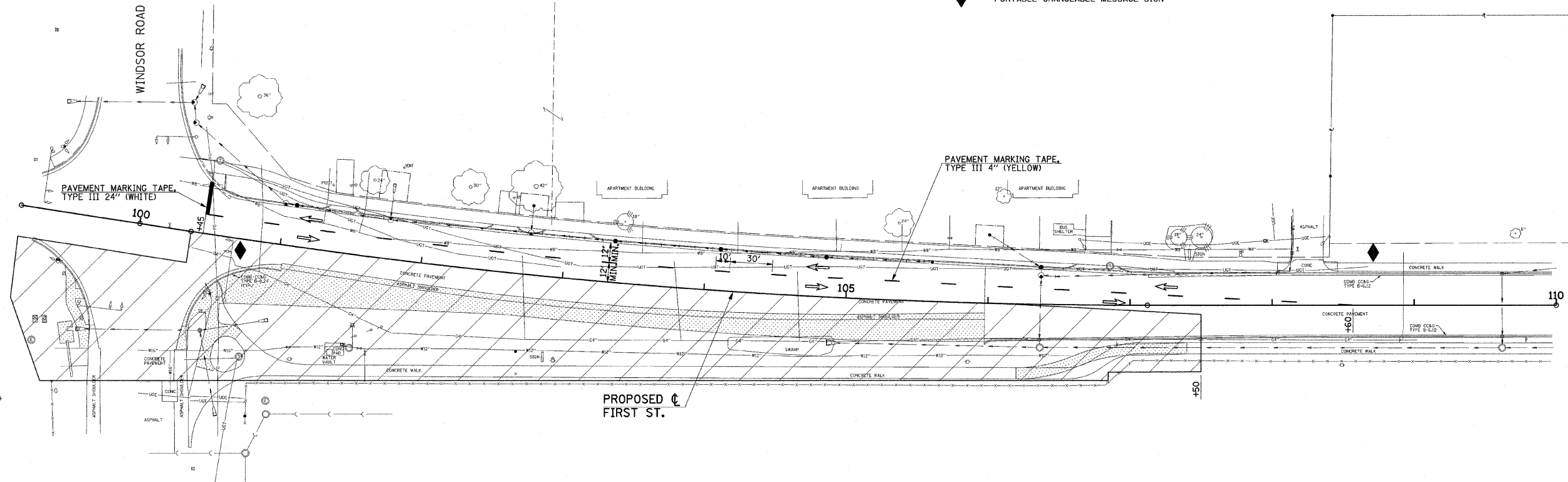
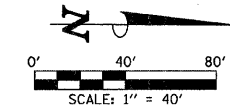
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DRAWN - J.L.B.	REVISED -
CHECKED - J.T.P.	REVISED -
DATE - 2-09	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

<b>STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLANS</b>		
STAGE II		
SCALE: 1"=40'	SHEET NO. 20 OF 44 SHEETS	STA. 100+00.00 TO STA. 110+00.00

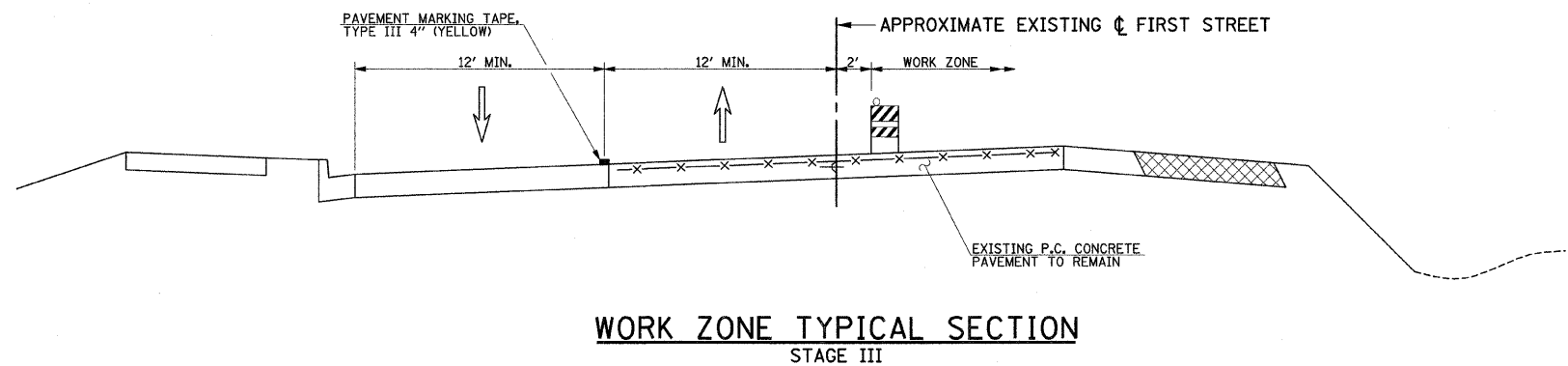
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7170	08-00277-00-PV	CHAMPAIGN	44	20
CONTRACT NO. 91397			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HD-5181 (044)	

- LEGEND**
-  CONSTRUCTION WORK ZONE
  -  LIMITS OF PROPOSED CONSTRUCTION
  -  TEMPORARY HOT-MIX ASPHALT PAVEMENT
  -  TEMPORARY AGGREGATE ENTRANCE OR ACCESS ROAD
  -  DIRECTION OF TRAFFIC
  -  PORTABLE CHANGEABLE MESSAGE SIGN



**SUGGESTED STAGE III CONSTRUCTION SEQUENCE**

1. SHIFT TRAFFIC AS SHOWN ON THE STAGE III PLAN.
2. PROVIDE TRAFFIC CONTROL ON FIRST STREET AND WINDSOR ROAD IN ACCORDANCE WITH STANDARDS 701501, 701701, AND 701801.
3. OPEN ALL ENTRANCES TO RESIDENCES AND APARTMENTS ON THE WEST SIDE OF FIRST STREET.
4. CONSTRUCT ALL PROPOSED IMPROVEMENTS ALONG THE EAST SIDE OF FIRST STREET NORTH OF WINDSOR ROAD.
5. CONSTRUCT ALL PROPOSED IMPROVEMENTS AT THE SOUTHEAST CORNER OF THE INTERSECTION OF FIRST STREET AND WINDSOR ROAD USING STANDARDS 701701 AND 701801.
6. PLACE THE PROPOSED PAVEMENT MARKINGS AT THE INTERSECTION OF FIRST STREET AND WINDSOR ROAD USING STANDARDS 701501, 701602, AND 701701.
7. REMOVE ALL PAVEMENT MARKING TAPE AND PLACE PROPOSED PAVEMENT MARKINGS ON WEST SIDE OF FIRST STREET USING STANDARDS 701301, 701311, AND 701501.
8. PLACE PROPOSED TRAFFIC SIGNALS IN OPERATION AND REMOVE THE TEMPORARY TRAFFIC SIGNALS.
9. OPEN ALL LANES TO TRAFFIC.



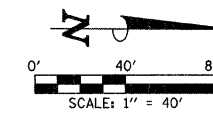
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CHECKED - J.T.P.	REVISED -
DATE - 2-09	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

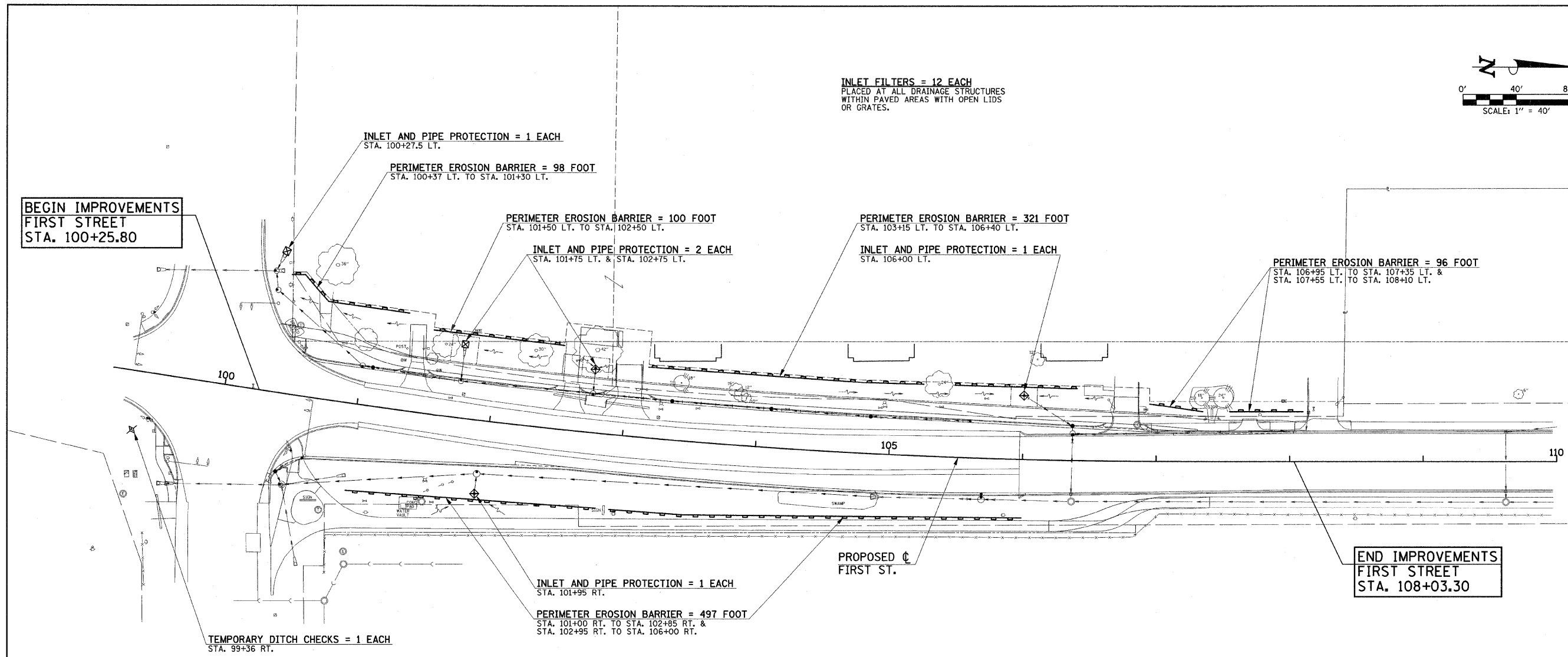
<b>STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLANS</b>	
<b>STAGE III</b>	
SCALE : 1"=40'	SHEET NO. 21 OF 44 SHEETS
STA. 100+00.00 TO STA. 110+00.00	

F.A.U. RTE. 7170	SECTION 08-00277-00-PV	COUNTY CHAMPAIGN	TOTAL SHEETS 44	SHEET NO. 21
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT HD-5181 (044)		
CONTRACT NO. 91397				



**BEGIN IMPROVEMENTS  
FIRST STREET  
STA. 100+25.80**

**END IMPROVEMENTS  
FIRST STREET  
STA. 108+03.30**



**INLET FILTERS = 12 EACH**  
PLACED AT ALL DRAINAGE STRUCTURES  
WITHIN PAVED AREAS WITH OPEN LIDS  
OR GRATES.

- LEGEND**
- ⊕ INDICATES TEMPORARY DITCH CHECK
  - ⊕ INDICATES INLET AND PIPE PROTECTION
  - — — INDICATES PERIMETER EROSION BARRIER

- EROSION CONTROL SYSTEMS INSTALLATION SEQUENCE**
1. REFER TO THE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLAN SHEETS FOR THE DETAILED SEQUENCE OF CONSTRUCTION AND STAGING PLAN.
  2. PLACE THE PERIMETER EROSION BARRIER PRIOR TO STARTING ANY WORK. GAP THE PERIMETER EROSION BARRIER AS NECESSARY TO AVOID TREE ROOTS AS DIRECTED BY THE ENGINEER.
  3. INSTALL TEMPORARY DITCH CHECKS, INLET AND PIPE PROTECTION, AND INLET FILTERS AS SOON AS THE ROUGH GRADING IS COMPLETED OR DRAINAGE STRUCTURES HAVE BEEN CONSTRUCTED.
  4. MAINTAIN ALL EROSION CONTROL SYSTEMS UNTIL SUCH TIME THAT THEY CAN BE REMOVED AS DIRECTED BY THE ENGINEER.
  5. SEED, FERTILIZE, MULCH, AND PLACE SOD AS SOON AS FINAL GRADING AND SHAPING IS COMPLETED.
  6. REMOVE AND CLEANUP ALL REMAINING EROSION CONTROL SYSTEMS AS DIRECTED BY THE ENGINEER.

- NOTES**
1. THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE INSTALLED AND MAINTAINED BY THE CONTRACTOR AT THE LOCATIONS SHOWN ON THE STORM WATER POLLUTION PREVENTION PLAN AND AS DIRECTED BY THE ENGINEER. THE PLACEMENT OF THE TEMPORARY EROSION CONTROL SYSTEMS IS NECESSARY TO SATISFY THE REQUIREMENTS OF THE NPDES PERMIT. THE WORK SHALL BE IN ACCORDANCE WITH STANDARD 280001 AND SECTION 280 OF THE STANDARD SPECIFICATIONS.
  2. ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS MAY BE REQUIRED DURING CONSTRUCTION. THE SYSTEMS SHALL BE PLACED AS DIRECTED BY THE ENGINEER AND SHALL BE PAID FOR IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS.
  3. PERMANENT SEEDING, FERTILIZING, MULCHING, OR SODDING OF DISTURBED EARTH AREAS SHALL BE DONE AS SOON AS POSSIBLE AFTER COMPLETION OF EACH STAGE OF THE PROJECT TO EXPEDITE THE ESTABLISHMENT OF VEGETATION. SEE THE PLAN AND PROFILE SHEETS FOR THE LOCATIONS OF SOD PLACEMENT.
  4. SEE THE PLAN AND PROFILE SHEETS AND CROSS SECTIONS FOR ADDITIONAL INFORMATION.

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**STORM WATER POLLUTION  
PREVENTION PLAN**

SCALE : 1"=40'    SHEET NO. 22 OF 44 SHEETS    STA. 100+00.00 TO STA. 110+00.00

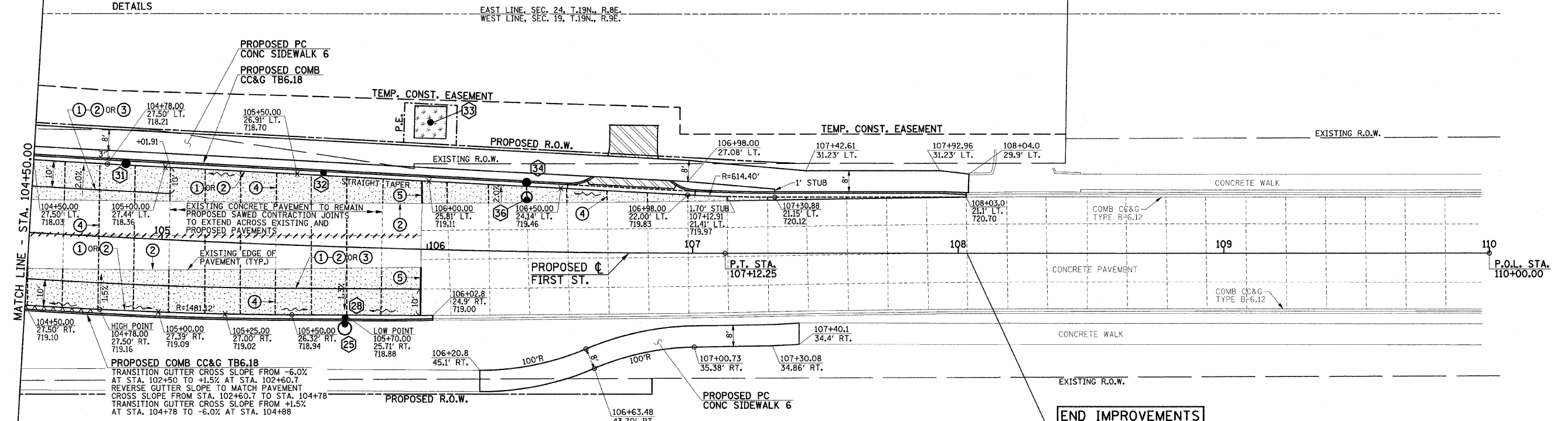
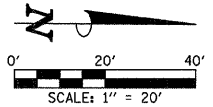
F.A.U. RTE. 7170	SECTION 08-00277-00-PV	COUNTY CHAMPAIGN	TOTAL SHEETS 44	SHEET NO. 22
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT HD-5181 (044)		





**PROPOSED C  
FIRST STREET  
CURVE DATA**  
 P.I. STA. 103+75.02  
 $\Delta = 8^{\circ}49'12''$   
 $D = 1^{\circ}18'19''$   
 $T = 338.57'$   
 $R = 4390.00'$   
 $L = 675.79'$   
 $E = 13.04'$   
 P.C. STA. 100+36.46  
 P.T. STA. 107+12.25  
 S.E. = SEE PROPOSED TYPICAL  
 SECTIONS AND INTERSECTION  
 DETAILS

**THE FIRST STREET PAVEMENT CROSS SLOPE SHALL BE WARPED AS FOLLOWS:**  
 TRANSITION FROM MATCH EXISTING AT LT. STA. 100+46.81 TO -3.0% AT  
 LT. STA. 101+03.55 TO -2.0% AT LT. STA. 102+50.00  
 THE PAVEMENT CROSS SLOPE SHALL BE -2.0% FROM LT. STA. 102+50.00 TO  
 LT. STA. 108+03.0  
 TRANSITION FROM MATCH EXISTING AT RT. STA. 100+39.27 TO -1.0% AT  
 RT. STA. 100+69.85 TO +1.5% AT RT. STA. 102+60.70  
 THE PAVEMENT CROSS SLOPE SHALL BE +1.5% FROM RT. STA. 102+60.70 TO  
 RT. STA. 104+78.00  
 TRANSITION FROM +1.5% AT RT. STA. 104+78.00 TO -1.3% AT RT. STA. 105+70.00  
 TO MATCH EXISTING AT RT. STA. 105+98.0



**PROPOSED COMB CC&G TB6.18**  
 TRANSITION GUTTER CROSS SLOPE FROM -6.0%  
 AT STA. 102+50 TO +1.5% AT STA. 102+60.7  
 REVERSE GUTTER SLOPE TO MATCH PAVEMENT  
 CROSS SLOPE FROM STA. 102+60.7 TO STA. 104+78  
 TRANSITION GUTTER CROSS SLOPE FROM +1.5%  
 AT STA. 104+78 TO -6.0% AT STA. 104+88

**NOTES**

1. THE CURB AND GUTTER SHALL NOT BE POURED MONOLITHIC WITH THE P.C. CONCRETE PAVEMENT EXCEPT AT THE STUB LOCATIONS SHOWN ON THE PLANS. TIE BARS BETWEEN THE PAVEMENT AND THE CURB AND GUTTER WILL BE REQUIRED, THE COST OF ADDITIONAL GUTTER FLAG WIDTH WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR THE SPECIFIED TYPE OF P.C. CONCRETE PAVEMENT.
2. SAWED TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED AT 15 FOOT CENTERS MAXIMUM IN THE P.C. CONCRETE PAVEMENT OR AS DIRECTED BY THE ENGINEER (STD. 420001). ALL DOWEL BARS 18" LONG AT 12" CENTERS SHALL BE CENTERED ACROSS THE CONTRACTION JOINTS. THE DOWEL BARS SHALL BE 1" DIAMETER FOR THE 8" THICK PAVEMENTS.
3. TRANSVERSE CONSTRUCTION JOINTS SHALL MATCH THE LOCATION OF THE SAWED TRANSVERSE CONTRACTION JOINTS OR EXPANSION JOINTS SHOWN ON THE PAVEMENT JOINTING PLANS AND SHALL BE AS SHOWN ON STANDARD 420101. TRANSVERSE CONSTRUCTION JOINTS SHALL NOT BE PLACED LESS THAN 15 FEET FROM A TRANSVERSE CONSTRUCTION OR EXPANSION JOINT. THE CONSTRUCTION JOINTS THAT COINCIDE WITH CONTRACTION JOINTS SHALL HAVE SMOOTH EPOXY COATED DOWEL BARS 1" DIAMETER, 18" LONG PLACED AT 12" SPACING'S AND CENTERED ACROSS THE JOINT. CONSTRUCTION JOINTS THAT COINCIDE WITH EXPANSION JOINTS SHALL BE DOWELED AS SHOWN ON STANDARD 420001.
4. TRANSVERSE CONSTRUCTION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 420 OF THE STANDARD SPECIFICATIONS. THE COST OF FURNISHING AND INSTALLING THE TRANSVERSE CONSTRUCTION JOINTS, INCLUDING DRILLING AND GROUTING, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE VARIOUS CURB AND GUTTER AND/OR PAVEMENT PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
5. TRANSVERSE EXPANSION JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 420001 EXCEPT THAT THE WIDTH OF THE EXPANSION JOINTS SHALL BE 1" MAXIMUM AND THE DOWEL BARS SHALL BE 1" DIAMETER.
6. WHEN LONGITUDINAL CONSTRUCTION JOINTS ARE CONSTRUCTED IN THE PAVEMENT, THE JOINTS SHALL BE TIED WITH NO. 6 EPOXY COATED TIE BARS SPACED AT 24" CENTERS AS SHOWN ON STANDARD 420001. SEE THE PROPOSED TYPICAL SECTION KEY. WHERE THE PAVEMENT WIDTH IS 60 FEET OR GREATER ONE OF THE LONGITUDINAL JOINTS SHALL BE CONSTRUCTED WITH NO. 6 EPOXY COATED SMOOTH DOWEL BARS 24" LONG AT 24" CENTERS TO PREVENT LONGITUDINAL CRACKING. SEE THE PAVEMENT JOINTING PLANS FOR ADDITIONAL INFORMATION.
7. ALL SAWED JOINTS IN BOTH THE EXISTING AND PROPOSED P.C. CONCRETE PAVEMENTS AND THE COMBINATION CONCRETE CURB AND GUTTER SHALL BE SEALED WITH A JOINT SEALER MEETING THE REQUIREMENTS OF ARTICLES 420.02 AND 606.02 OF THE STANDARD SPECIFICATIONS.
8. SAWED CONTRACTION JOINTS 2" DEEP SHALL BE PLACED AT 15 FOOT MAXIMUM CENTERS IN THE COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 AND THE JOINTS SHALL BE SEALED. THIS WORK SHALL BE IN ACCORDANCE WITH ARTICLE 606.07 OF THE STANDARD SPECIFICATIONS.
9. THE SIDEWALK RAMP SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH AND DETECTABLE WARNINGS.
10. SEE STANDARD 420111 FOR CONSTRUCTION DETAILS WHERE INLETS OR MANHOLES ARE LOCATED WITHIN THE PAVEMENT AREA.
11. ALL ELEVATIONS REFERRED TO ARE TO THE TOP OF FINISHED CONSTRUCTION.
12. SEE THE DRAINAGE STRUCTURE AND PIPE SCHEDULES SHEET FOR HORIZONTAL LOCATIONS AND VERTICAL ELEVATIONS OF DRAINAGE STRUCTURES.
13. SEE THE TRAFFIC SIGNAL PLANS FOR INFORMATION ON ADJUSTING THE ELECTRIC HANDHOLES AND FOR MAINTAINING AND REMOVING THE EXISTING TRAFFIC SIGNAL EQUIPMENT.
14. ALL STREET RADII ARE DIMENSIONED TO THE EDGE OF PAVEMENT.

- PAVEMENT JOINT KEY**
- 1 LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 x 30" EPOXY COATED TIE BARS AT 24" CENTERS FORMED IN PLACE (STD. 420001)
  - 2 LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 x 24" EPOXY COATED TIE BARS AT 24" CENTERS DRILLED AND GROUTED IN PLACE (STD. 420001) (PERFORMED HOLES WITH GROUTED TIE BARS WILL NOT BE ALLOWED)
  - 3 SAWED LONGITUDINAL JOINT WITH NO. 6 x 30" EPOXY COATED TIE BARS AT 30" CENTERS (STD. 420001)
  - 4 SAWED TRANSVERSE CONTRACTION JOINT WITH 1" DIA. x 18" EPOXY COATED DOWEL BARS AT 12" CENTERS (STD. 420001)
  - 5 1" EXPANSION JOINT WITH 1" DIA. x 18" EPOXY COATED DOWEL BARS AT 12" CENTERS (STD. 420001) (NOTE : EXPANSION JOINT WIDTH MODIFIED FROM STD. 420001)

- LEGEND**
- PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)
  - PROPOSED PCC DRIVEWAY PAVEMENT (6" FOR P.E. - 8" FOR C.E.)
  - PROPOSED SIDEWALK RAMP DETECTABLE WARNINGS (SEE DETAIL SHEET)
  - PROPOSED SODDING
  - PROPOSED REVERSE GUTTER SLOPE
  - STRUCTURE NUMBER (SEE PLAN/PROFILE SHEETS)
  - PROPOSED 1" TRANSVERSE EXPANSION JOINT (WITH DOWEL BARS - SEE STANDARD 420001)
  - PROPOSED LONGITUDINAL JOINTS
  - PROPOSED TRANSVERSE CONTRACTION JOINTS
  - STAGE CONSTRUCTION LIMITS
  - PROPOSED INLETS
  - PROPOSED MANHOLES

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 DEPARTMENT OF TRANSPORTATION

**INTERSECTION DETAILS AND  
 PAVEMENT JOINT PLANS**

SCALE : 1"=20' SHEET NO. 24 OF 44 SHEETS STA. 104+50.00 TO STA. 110+00.00

F.A.I.L. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7170	08-00277-00-PV	CHAMPAIGN	44	24
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HD-5181 (044)			CONTRACT NO. 91397	

78008300 POLYUREA PAVEMENT MARKING TYPE II - LETTERS AND SYMBOLS		
LOCATION	SYMBOLS (SQ FT)	COMMENTS
<b>FIRST STREET</b>		
100+82.5 C	15.6	LEFT TURN ARROW
100+82.5 LT.	15.6	RIGHT TURN ARROW
101+62.5 C	15.6	LEFT TURN ARROW
101+62.5 LT.	15.6	RIGHT TURN ARROW
102+42.5 C	15.6	LEFT TURN ARROW
102+42.5 LT.	15.6	RIGHT TURN ARROW
103+22.5 C	15.6	LEFT TURN ARROW
103+22.5 LT.	15.6	RIGHT TURN ARROW
104+02.5 C	15.6	LEFT TURN ARROW
104+02.5 LT.	15.6	RIGHT TURN ARROW
<b>TOTAL</b>	<b>156.0</b>	

78008370 POLYUREA PAVEMENT MARKING TYPE II - LINE 24"	
LOCATION	STOP BAR WHITE (FOOT)
<b>WINDSOR ROAD</b>	
99+55.5 LT. TO 99+90.6 LT.	37
100+10.4 RT. TO 100+42.4 RT.	34
<b>FIRST STREET</b>	
99+40.6 RT.	26
100+64.5 LT. & RT.	34
<b>TOTAL</b>	<b>131</b>

78008310 POLYUREA PAVEMENT MARKING TYPE II - LINE 4"				
LOCATION	DOUBLE YELLOW NARROW (FOOT)	SKIP-DASH WHITE (FOOT)	SOLID WHITE (FOOT)	LANE LINE EXTENSIONS WHITE (FOOT)
<b>WINDSOR ROAD</b>				
99+89.5 LT. TO 99+92.2 LT.	56			
100+09.0 RT. TO 100+11.5 RT.	56			
<b>FIRST STREET</b>				
100+64.5 TO 108+03.3 LT. & RT.	1877			
101+01.0 RT. TO 107+91.0 RT.		180		
105+01.0 LT. TO 107+91.0 LT.		80		
100+37.7 RT. TO 102+60.7 RT.			232	
100+64.5 LT. TO 104+78.0 LT.			829	
104+78.0 LT. TO 105+99.0 LT.				38
<b>SUBTOTAL</b>	<b>1989</b>	<b>260</b>	<b>1061</b>	<b>38</b>
<b>TOTAL</b>			<b>3348</b>	

78300100 PAVEMENT MARKING REMOVAL		
LOCATION	DOUBLE YELLOW (SQ FT)	SOLID WHITE (SQ FT)
WEST LEG OF WINDSOR RD.	27	
EAST LEG OF WINDSOR RD.	43	
100+46.0 TO 108+03.3 LT. & RT.	501	
STOP BAR - WEST LEG		73
STOP BAR - EAST LEG		75
STOP BAR - SOUTH LEG		62
STOP BAR - NORTH LEG		68
CROSS WALK - SOUTH LEG		78
CROSS WALK - EAST LEG		93
101+03.4 LT. TO 105+97.6 LT.		163
101+03.0 RT. TO 109+0.0 RT.		264
<b>SUBTOTAL</b>	<b>571</b>	<b>876</b>
<b>TOTAL</b>		<b>1447</b>

78008330 POLYUREA PAVEMENT MARKING TYPE II - LINE 6"	
LOCATION	CROSSWALK WHITE (FOOT)
<b>WINDSOR ROAD</b>	
99+49.9 LT. TO 100+38.2 LT.	173
99+67.9 RT. TO 100+54.6 RT.	167
<b>FIRST STREET</b>	
99+46.7 TO 99+54.7 LT. & RT.	142
100+50.5 TO 100+58.5 LT. & RT.	154
<b>TOTAL</b>	<b>636</b>

78008350 POLYUREA PAVEMENT MARKING TYPE II - LINE 12"		
LOCATION	DIAGONAL YELLOW (FOOT)	DIAGONAL WHITE (FOOT)
<b>FIRST STREET</b>		
104+78.0 TO 106+98.0 LT. & RT.	43	
100+69.8 RT. TO 102+60.7 RT.		104
<b>SUBTOTAL</b>	<b>43</b>	<b>104</b>
<b>TOTAL</b>		<b>147</b>

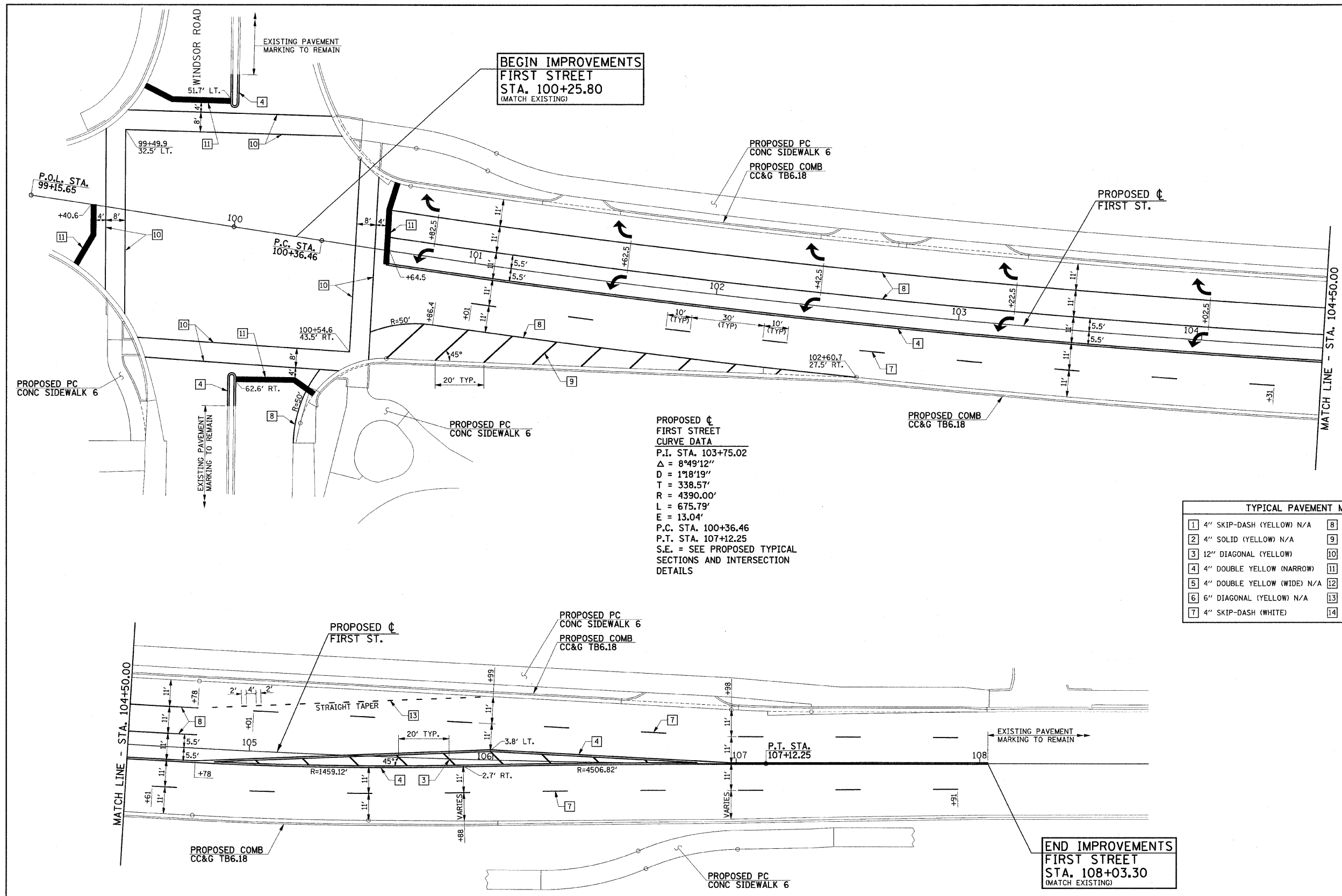
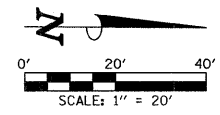
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
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PAVEMENT MARKING SCHEDULE OF QUANTITIES
SCALE : NONE SHEET NO. 25 OF 44 SHEETS STA. TO STA.

F.A.U. RTE. 7170	SECTION 08-00277-00-PV	COUNTY CHAMPAIGN	TOTAL SHEETS 44	SHEET NO. 25
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FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT HD-5181 (044)	CONTRACT NO. 91397
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**BEGIN IMPROVEMENTS**  
**FIRST STREET**  
**STA. 100+25.80**  
 (MATCH EXISTING)

**PROPOSED CL**  
**FIRST ST.**

**PROPOSED CL**  
**FIRST STREET**  
**CURVE DATA**  
 P.I. STA. 103+75.02  
 $\Delta = 8^{\circ}49'12''$   
 $D = 1^{\circ}18'19''$   
 $T = 338.57'$   
 $R = 4390.00'$   
 $L = 675.79'$   
 $E = 13.04'$   
 P.C. STA. 100+36.46  
 P.T. STA. 107+12.25  
 S.E. = SEE PROPOSED TYPICAL  
 SECTIONS AND INTERSECTION  
 DETAILS

TYPICAL PAVEMENT MARKING LEGEND			
1	4" SKIP-DASH (YELLOW) N/A	8	4" SOLID (WHITE)
2	4" SOLID (YELLOW) N/A	9	12" DIAGONAL (WHITE)
3	12" DIAGONAL (YELLOW)	10	6" CROSSWALK (WHITE)
4	4" DOUBLE YELLOW (NARROW)	11	24" STOP BAR (WHITE)
5	4" DOUBLE YELLOW (WIDE) N/A	12	8" SOLID (WHITE) N/A
6	6" DIAGONAL (YELLOW) N/A	13	4" LANE LINE EXTENSIONS (WHITE)
7	4" SKIP-DASH (WHITE)	14	RESERVED

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**PAVEMENT MARKING PLANS - FIRST STREET**  
 SCALE: 1"=20' SHEET NO. 26 OF 44 SHEETS STA. 100+00.00 TO STA. 108+03.30

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7170	08-00277-00-PV	CHAMPAIGN	44	26
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HD-5181 (044)			CONTRACT NO. 91397	

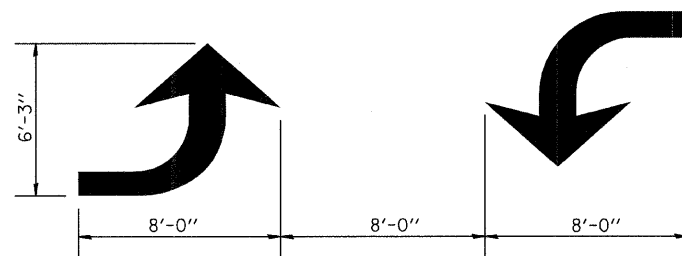
# TYPICAL APPLICATIONS OF URBAN PAVEMENT MARKINGS AND MARKERS

## TYPICAL PAVEMENT MARKING LEGEND

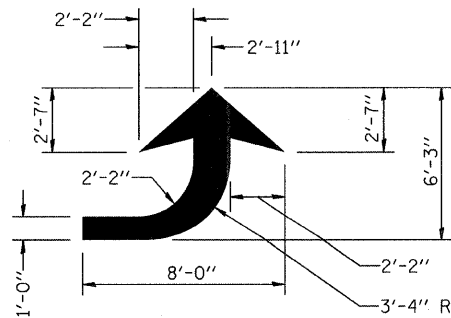
- 1 4" SKIP-DASH (YELLOW)
  - 2 4" SOLID (YELLOW)
  - 3 12" DIAGONAL (YELLOW)
  - 4 4" DOUBLE YELLOW (NARROW)
  - 5 4" DOUBLE YELLOW (WIDE)
  - 6 6" DIAGONAL (YELLOW)
  - 7 4" SKIP-DASH (WHITE)
  - 8 4" SOLID (WHITE)
  - 9 12" DIAGONAL (WHITE)
  - 10 6" CROSS WALK (WHITE)
  - 11 24" STOP BAR (WHITE)
  - 12 8" SOLID (WHITE)
  - 13 4" LANE LINE EXTENSIONS (WHITE)
  - 14 RESERVED
- 

## TYPICAL PAVEMENT MARKERS LEGEND

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER



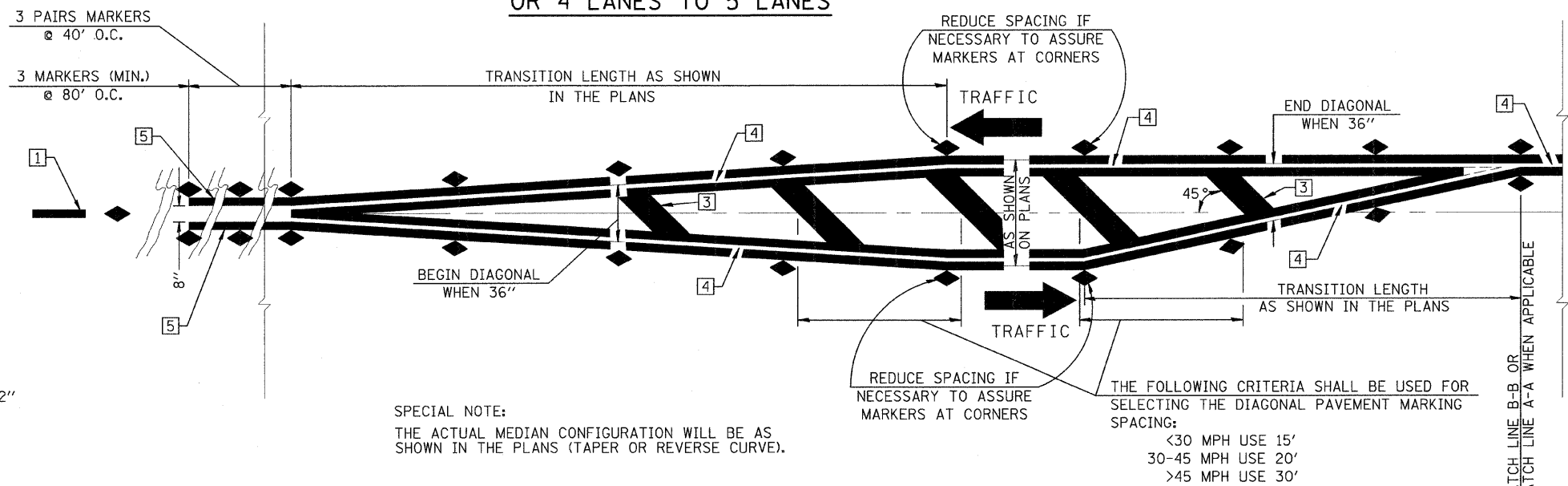
TYPICAL DOUBLE TURN ARROWS (WHITE)



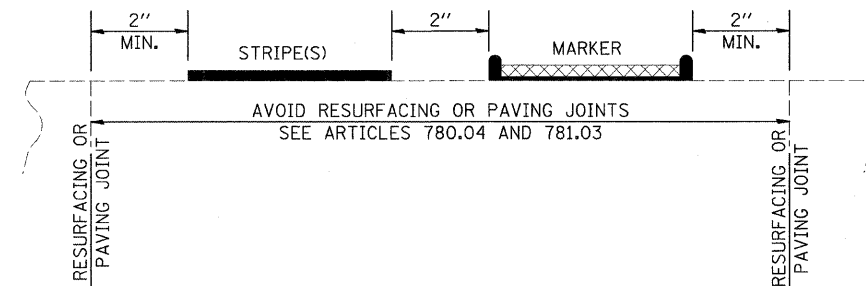
LEFT ARROW  
REVERSE FOR RIGHT ARROW  
AREA = 15.6 SQ. FT. (WHITE)

## 2 LANES TO 3 LANES OR 4 LANES TO 5 LANES

## LEFT TURN LANE



## TYPICAL MEDIAN TRANSITIONS



## RELATIONSHIP OF STRIPES, MARKERS, AND JOINTS

### GENERAL NOTES

1. WHEN PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS, SPECIAL DETAILS WILL BE INCLUDED ELSEWHERE IN THE PLANS.
2. SCALE: NONE
3. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
4. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
5. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
6. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.

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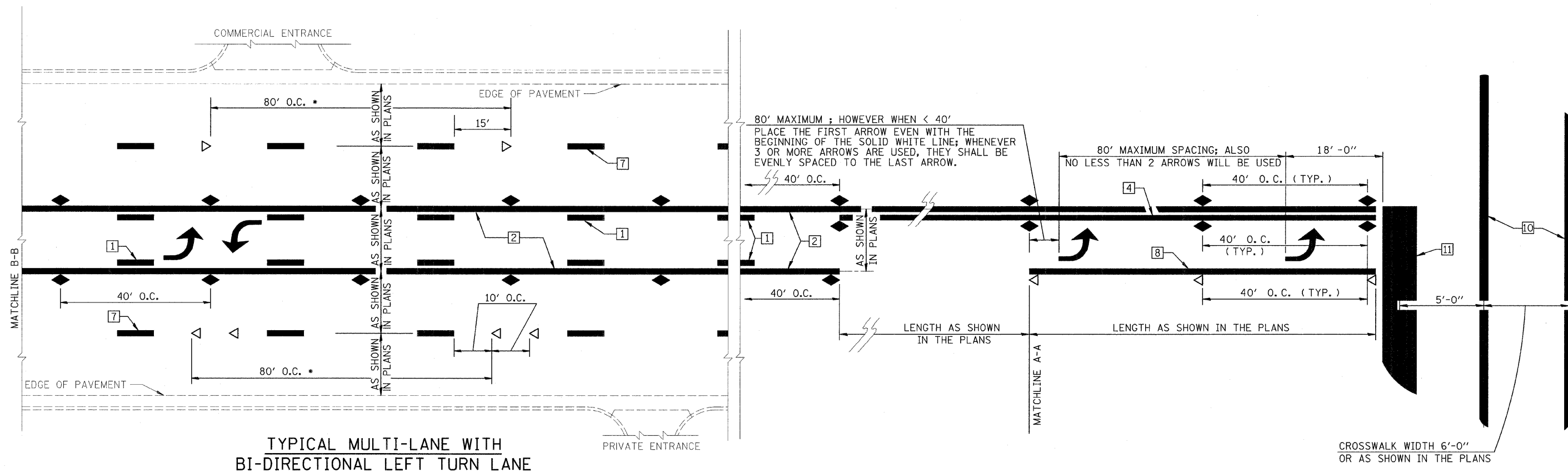
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

### PAVEMENT MARKING DETAILS

SCALE : NONE SHEET NO. 27 OF 44 SHEETS STA. TO STA.

F.A.I. RTE. 7170	SECTION 08-00277-00-PV	COUNTY CHAMPAIGN	TOTAL SHEETS 44	SHEET NO. 27
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HD-5181 (044)			CONTRACT NO. 91397	

# TYPICAL APPLICATIONS OF URBAN PAVEMENT MARKINGS AND MARKERS



**TYPICAL MULTI-LANE WITH BI-DIRECTIONAL LEFT TURN LANE**

**TYPICAL MULTI-LANE TRANSITION FROM BI-DIRECTIONAL LEFT TURN LANE TO LEFT TURN LANE**

## SPECIAL NOTES

TURN ARROW PAIRS SHALL BE PLACED AT 250' INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE.

THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.

THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER. SEE EXAMPLE ABOVE.

- REDUCE TO 40' O.C. IN NO PASSING ZONES AND ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH LOWER THAN POSTED SPEEDS.
- \*\* WHERE DOUBLE LANE LINE MARKERS ARE SPECIFIED, THEY SHALL BE SPACED AS SHOWN ABOVE.

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 PLOT DATE = 2/8/2009 11:06:00 AM

DESIGNED - R.L.H.	REVISED -
DRAWN - J.L.B.	REVISED -
CHECKED - J.T.P.	REVISED -
DATE - 2-09	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKING DETAILS**

SCALE : NONE	SHEET NO. 28 OF 44 SHEETS	STA. TO STA.
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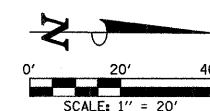
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7170	08-00277-00-PV	CHAMPAIGN	44	28
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HD-5181 (044)			CONTRACT NO. 91397	



TEMPORARY TRAFFIC SIGNAL NOTES

1. THE CONTRACTOR SHALL USE THE EXISTING TRAFFIC SIGNAL CONTROLLER FOR THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. ANY ADDITIONAL CONTROL EQUIPMENT FOR THE TEMPORARY TRAFFIC SIGNALS SHALL BE FURNISHED BY THE CONTRACTOR.
2. THE TEMPORARY SIGNALS SHALL BE FULLY INSTALLED AND OPERATIONAL PRIOR TO THE EXISTING SIGNALS BEING DISCONNECTED. THE PROPOSED SIGNAL INSTALLATION SHALL BE INSTALLED AND OPERATIONAL BEFORE THE TEMPORARY INSTALLATION IS DISCONNECTED.
3. THE PROPOSED TEMPORARY TRAFFIC SIGNALS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD 880001 AND SECTION 890 OF THE STANDARD SPECIFICATIONS.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE WOOD POLES OF SUFFICIENT LENGTH TO MAINTAIN THE CLEARANCE REQUIREMENTS SHOWN IN STANDARD 880001.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE WOOD POLES OF THE CLASS REQUIRED TO SUPPORT THE TEMPORARY TRAFFIC SIGNAL INSTALLATION IN ACCORDANCE WITH STANDARD 880001 AND SECTION 890 OF THE STANDARD SPECIFICATIONS.
6. ALL HARDWARE NECESSARY TO INSTALL THE SPAN WIRE, SIGNAL HEADS, WOOD POLES, GUY WIRES, AND ANY OTHER ITEM NECESSARY FOR THE COMPLETE INSTALLATION OF THE TEMPORARY TRAFFIC SIGNALS SHALL BE PROVIDED BY THE CONTRACTOR.
7. THE EXISTING CONTROLLER USED FOR THE TEMPORARY TRAFFIC SIGNAL INSTALLATION SHALL BE CAPABLE OF ACCOMMODATING 8 VEHICLE PHASES AND 4 PEDESTRIAN PHASES AND SHALL BE CAPABLE OF SUPPLYING 255 SECONDS OF CYCLE LENGTH WITH INDIVIDUAL PHASE LENGTH SETTINGS UP TO 99 SECONDS.
8. ALL TEMPORARY SIGNAL FACES SHALL HAVE 12" LENSES. THE TEMPORARY SIGNAL HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE EACH TEMPORARY SIGNAL HEAD TO ANY POSITION ON ITS SPAN WIRE OR MAST ARM.
9. THE EXISTING MAST ARM MOUNTED SIGNAL HEADS ON THE NORTHWEST, SOUTHEAST AND SOUTHWEST QUADRANTS SHALL BE USED FOR THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
10. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING LOCATIONS AND RELOCATED AND SECURELY FASTENED TO THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.
11. THE PROPOSED SIGNAL TIMINGS FOR THE TEMPORARY CONTROLLER WILL BE PROVIDED BY THE CITY OF CHAMPAIGN. THE TEMPORARY TRAFFIC SIGNAL SYSTEM SHALL BE PRE-TIMED.
12. ALL LABOR AND MATERIALS REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION. THE ITEMS AND QUANTITIES SHOWN ARE FOR INFORMATIONAL PURPOSES ONLY.
13. NO ADDITIONAL PAYMENT SHALL BE MADE FOR ANY DELAYS OR SIGNAL HEAD RELOCATIONS RESULTING FROM UTILITY RELOCATIONS, CHANGES IN STAGING, REMOVAL OF EXISTING SIGNALS, OR INSTALLATION OF PROPOSED SIGNALS.
14. TEMPORARY TRAFFIC SIGNAL HEADS OPERATING TOGETHER IN THE SAME PHASE SHALL BE COMBINED ON SINGLE CABLE. SPLICES FOR COMBINED MAST ARM MOUNTED OR SPAN WIRE MOUNTED SIGNAL HEADS SHALL BE MADE AT THE RESPECTIVE TRAFFIC SIGNAL HEAD LOCATION. SEE THE TEMPORARY CABLE DIAGRAM FOR ADDITIONAL INFORMATION.
15. THE TEMPORARY TRAFFIC SIGNAL INSTALLATION SHALL BE GROUNDED. THE CONTRACTOR SHALL FURNISH AND INSTALL A GROUNDING WIRE TO BOND THE EXISTING TRAFFIC SIGNAL EQUIPMENT THAT IS PROPOSED TO BE UTILIZED IN THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. THE COST OF GROUNDED THE TEMPORARY TRAFFIC SIGNAL INSTALLATION SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.

ANY EXISTING OR PROPOSED TRAFFIC SIGNAL HEAD AND/OR PEDESTRIAN SIGNAL HEAD THAT CONFLICTS WITH PROPOSED STAGE CONSTRUCTION OPERATIONS SHALL BE BAGGED AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN VARIOUS CONTRACT PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

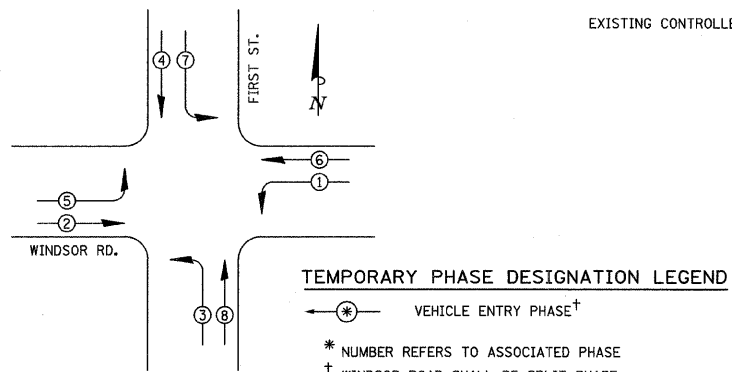


TEMPORARY TRAFFIC SIGNAL LEGEND

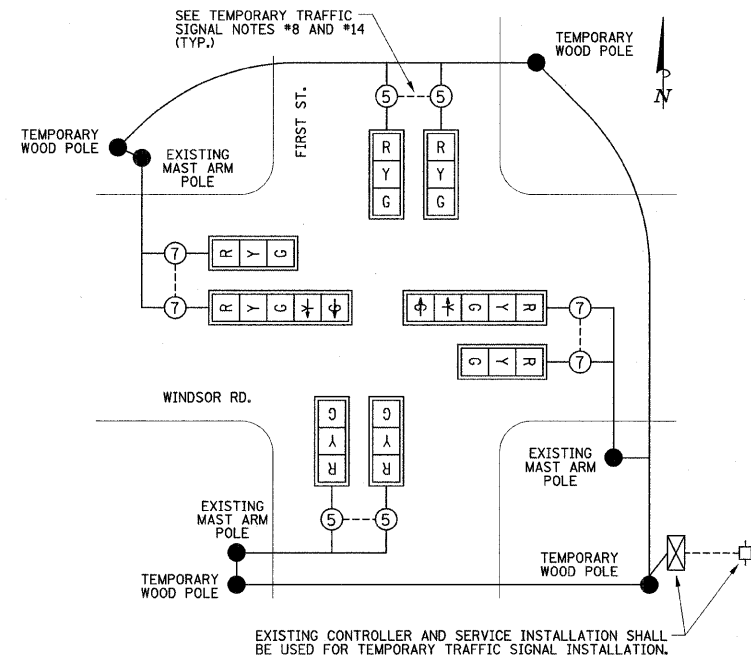
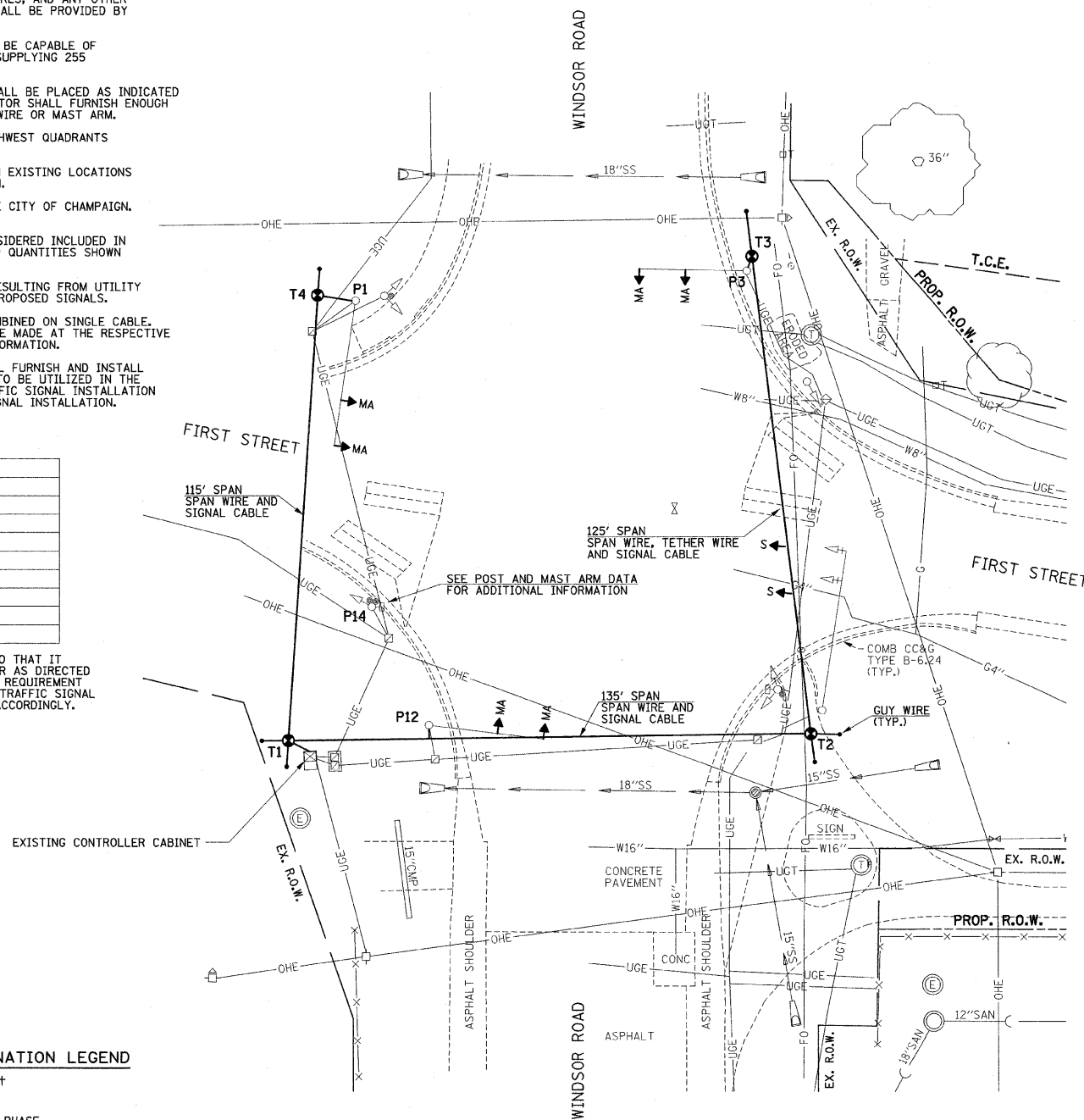
- MA ← EXISTING TRAFFIC SIGNAL HEAD, MAST ARM MOUNTED (TO BE USED FOR THE TEMPORARY TRAFFIC SIGNALS)
- S ← TEMPORARY TRAFFIC SIGNAL HEAD, SPAN WIRE MOUNTED
- TEMPORARY WOOD POLE
- TEMPORARY SPAN WIRE, TETHER WIRE, AND SIGNAL CABLE (SEE PLANS)
- TEMPORARY GUY WIRE
- ☒ EXISTING/TEMPORARY CONTROLLER CABINET
- ☐ EXISTING/TEMPORARY SERVICE INSTALLATION

POST AND MAST ARM DATA			
NO.	STATION	OFFSET	DESCRIPTION
P1	--	--	EXISTING STEEL MAST ARM ASSEMBLY AND POLE
P3	--	--	EXISTING STEEL MAST ARM ASSEMBLY AND POLE
P12	--	--	EXISTING STEEL MAST ARM ASSEMBLY AND POLE
P14	--	--	EXISTING TRAFFIC SIGNAL POST *
T1	99+31	73' RT.	TEMPORARY WOOD POLE (APPROX. LOCATION)
T2	100+65	51' RT.	TEMPORARY WOOD POLE (APPROX. LOCATION)
T3	100+31	70' LT.	TEMPORARY WOOD POLE (APPROX. LOCATION)
T4	99+21	43' LT.	TEMPORARY WOOD POLE (APPROX. LOCATION)

\* EXISTING NORTHBOUND (NEAR RIGHT) TRAFFIC SIGNAL HEAD SHALL BE ROTATED SO THAT IT CAN BE UTILIZED AS A SOUTHBOUND (FAR LEFT) DURING STAGE II (SEE PLANS) OR AS DIRECTED BY THE ENGINEER. ALL LABOR AND MATERIALS REQUIRED TO COMPLY WITH THIS REQUIREMENT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT UNIT PRICE FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION. THE CONTRACTOR SHALL COORDINATE PROPOSED IMPROVEMENTS ACCORDINGLY.



TEMPORARY PHASE DESIGNATION DIAGRAM



- LEGEND**
- ☒ EXISTING/TEMPORARY CONTROLLER CABINET
  - ☒ EXISTING/TEMPORARY TRAFFIC SIGNAL FACE WITH BACKPLATE
  - ☐ EXISTING/TEMPORARY SERVICE INSTALLATION
  - ⑤ NUMBER OF CONDUCTORS IN CABLE ALL CABLE #14 EXCEPT AS INDICATED

TEMPORARY CABLE DIAGRAM

NO SCALE

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DESIGNED - S.M.W.	REVISED -
DRAWN - S.M.W.	REVISED -
CHECKED - J.A.J.	REVISED -
DATE - 2-09	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL PLAN

SCALE: 1"=20' SHEET NO. 29 OF 44 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7170	08-00277-00-PV	CHAMPAIGN	44	29
CONTRACT NO. 91397				
ILLINOIS FED. AID PROJECT HD-5181 (040)				

POST AND MAST ARM DATA			
NO.	STATION	OFFSET	DESCRIPTION
P1	99+30.6	42.7' LT.	EXISTING STEEL MAST ARM ASSEMBLY AND POLE
P2	99+37.8	45.1' LT. (SAME)	EXISTING TRAFFIC SIGNAL POST * LIGHT POLE, 40 FT. M.H., 8 FT. MAST ARM †
P3	100+30.1	66.1' LT.	EXISTING STEEL MAST ARM ASSEMBLY AND POLE
P4	100+55.6	42.7' LT.	PEDESTRIAN PUSH-BUTTON POST, TYPE II
P5	100+50.1	40.0' LT.	EXISTING TRAFFIC SIGNAL POST *
P6	100+60.7	34.4' LT.	TRAFFIC SIGNAL POST, 16 FT.
P7	100+82.6	56.0' RT.	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT.
P8	100+66.8	44.1' RT.	EXISTING STEEL MAST ARM ASSEMBLY AND POLE *
P9	100+54.7	40.5' RT.	EXISTING TRAFFIC SIGNAL POST *
P10	100+55.5	58.3' RT.	PEDESTRIAN PUSH-BUTTON POST, TYPE II
P11	100+48.2	65.5' RT.	TRAFFIC SIGNAL POST, 16 FT.
P12	99+66.5	63.6' RT.	EXISTING STEEL MAST ARM ASSEMBLY AND POLE
P13	99+55.1	55.9' RT.	TRAFFIC SIGNAL POST, 10 FT.
P14	99+47.1	35.4' RT.	EXISTING TRAFFIC SIGNAL POST

\* EXISTING TRAFFIC SIGNAL EQUIPMENT TO BE REMOVED BY THE CONTRACTOR.

† PROPOSED 250W HPS LUMINAIRE, PHOTO-CELL CONTROL, WITH M-C-III DISTRIBUTION, WITH 8' TRUSS ARM MOUNTED ON 40' POLE, WITH 24" DIA. CONCRETE FOUNDATION.

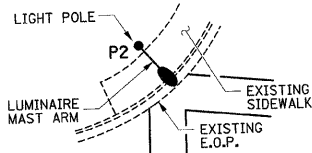
IF NECESSARY THE BACKFILLING OF EXCAVATIONS ADJACENT TO CONCRETE SIGNAL FOUNDATIONS SHALL BE DONE PRIOR TO CONSTRUCTING THE FOUNDATIONS. TRENCH BACKFILLING METHODS SUCH AS CONTROLLED LOW-STRENGTH MATERIAL SHALL BE BLOCKED OUT TO ALLOW FOR TYPICAL FOUNDATION CONSTRUCTION.

REMOVE EXISTING JUNCTION BOX = 2 EACH  
WINDSOR ROAD (W. LEG) - JUNCTION BOXES H2 & H3. EXISTING TRAFFIC SIGNAL DETECTOR LOOPS SHALL BE DISABLED AND ABANDONED IN PLACE BY THE CONTRACTOR. SEE TECHNICAL SPECIFICATIONS.

DRILL EXISTING HANDHOLE = 1 EACH  
EMPTY CONDUITS SHALL BE PLUGGED AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR REMOVE ELECTRICAL CABLE FROM CONDUIT (SPECIAL).

REMOVE EXISTING JUNCTION BOX = 2 EACH  
FIRST STREET (S. LEG) - JUNCTION BOXES H16 & H17. EXISTING TRAFFIC SIGNAL DETECTOR LOOPS SHALL BE DISABLED AND ABANDONED IN PLACE BY THE CONTRACTOR. SEE TECHNICAL SPECIFICATIONS.

NOTE: THE LUMINAIRE MAST ARM ORIENTATION FOR THE PROPOSED LIGHT POLE LOCATED IN THE SW QUADRANT SHALL BE RADIAL WITH THE EXISTING E.O.P. AS SHOWN BELOW OR AS DIRECTED BY THE ENGINEER.



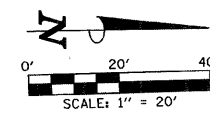
HANDHOLE AND JUNCTION BOX DATA			
NO.	STATION	OFFSET	DESCRIPTION
H1	99+20.7	33.2' LT.	EXISTING HANDHOLE
H2	WINDSOR RD. (W. LEG)		EXISTING JUNCTION BOX *
H3	WINDSOR RD. (W. LEG)		EXISTING JUNCTION BOX *
H4	100+70.1	40.9' LT.	HANDHOLE, PORTLAND CEMENT CONCRETE
H5	100+55.7	36.3' LT.	EXISTING HANDHOLE *
H6	FIRST ST. (N. LEG)		EXISTING JUNCTION BOX *
H7	FIRST ST. (N. LEG)		EXISTING JUNCTION BOX *
H8	100+51.5	54.3' RT.	EXISTING HANDHOLE *
H9	100+74.0	90.6' RT.	HANDHOLE, PORTLAND CEMENT CONCRETE
H10	WINDSOR RD. (E. LEG)		EXISTING JUNCTION BOX *
H11	WINDSOR RD. (E. LEG)		EXISTING JUNCTION BOX *
H12	99+69.5	72.2' RT.	EXISTING HANDHOLE *
H13	99+43.7	76.7' RT.	EXISTING DOUBLE HANDHOLE *
H14	99+31.7	65.8' RT.	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE
H15	99+52.7	42.8' RT.	EXISTING HANDHOLE *
H16	FIRST ST. (S. LEG)		EXISTING JUNCTION BOX *
H17	FIRST ST. (S. LEG)		EXISTING JUNCTION BOX *

\* EXISTING TRAFFIC SIGNAL EQUIPMENT TO BE REMOVED BY THE CONTRACTOR.

EXISTING CONTROLLER CABINET (TO BE REMOVED BY THE CONTRACTOR)

SERVICE INSTALLATION, TYPE A (MODIFIED) = 1 EACH  
USE EXISTING POWER POLE, SEE PLANS AND TECHNICAL SPECIFICATIONS

REMOVE EXISTING JUNCTION BOX = 2 EACH  
WINDSOR ROAD (E. LEG) - JUNCTION BOXES H10 & H11. EXISTING TRAFFIC SIGNAL DETECTOR LOOPS SHALL BE DISABLED AND ABANDONED IN PLACE BY THE CONTRACTOR. SEE TECHNICAL SPECIFICATIONS.



EXISTING TRAFFIC SIGNAL EQUIPMENT TO BE REMOVED

A. THE FOLLOWING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE CITY OF CHAMPAIGN, AND SHALL BE MOVED AND STORED AT A LOCATION DESIGNATED BY THE ENGINEER FOR PICK-UP BY CITY FORCES.

ITEM	UNIT	QTY
TRAFFIC SIGNAL MAST ARM AND POLE	EACH	1
TRAFFIC SIGNAL POSTS	EACH	3
TRAFFIC SIGNAL HEADS	EACH	7
TRAFFIC SIGNAL BACKPLATE	EACH	2
PEDESTRIAN SIGNAL HEADS	EACH	4
TRAFFIC SIGNAL CONTROLLER (COMPLETE)	EACH	1

THIS WORK WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT. REMOVAL OF INDIVIDUAL ITEMS WILL NOT BE PAID FOR SEPARATELY.

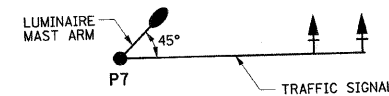
B. THE FOLLOWING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF OR RELOCATED PER THE RESPECTIVE CONTRACT PAY ITEM SPECIFICATIONS. THESE PAY ITEMS WILL BE PAID FOR SEPARATELY:

ITEM	UNIT	QTY
REMOVE EXIST. CONCRETE FOUNDATION	EACH	5
REMOVE EXIST. JUNCTION BOX	EACH	8
REMOVE EXIST. HANDHOLE	EACH	5
REMOVE ELECTRICAL CABLE FROM CONDUIT (SPECIAL)	L SUM	1

C. EXISTING ELECTRICAL CABLE IN CONDUIT SHALL BE REMOVED BY THE CONTRACTOR. CABLE REMOVAL FOR THE EXISTING MAST ARMS AND SIGNAL POSTS SHALL CONSIST OF REMOVING CABLE FROM THE POLE/POST HANDHOLE TO THE EXISTING CONTROLLER CABINET UNLESS OTHERWISE DIRECTED BY THE ENGINEER. EXISTING ELECTRICAL CABLE FROM THE POLE/POST HANDHOLE TO THE EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL REMAIN IN PLACE. CABLE REMOVAL FOR THE EXISTING DETECTOR LOOPS SHALL CONSIST OF REMOVING LEAD-IN CABLE FROM THE JUNCTION BOX TO THE EXISTING CONTROLLER CABINET UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE OF REMOVE ELECTRICAL CABLE FROM CONDUIT (SPECIAL). NO ADDITIONAL COMPENSATION WILL BE ALLOWED. SEE THE PLANS AND TECHNICAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.

NOTE: THE LUMINAIRE MAST ARM ORIENTATION FOR THE PROPOSED COMBINATION MAST ARM ASSEMBLY AND POLE LOCATED IN THE NE QUADRANT SHALL BE AS IDENTIFIED BELOW OR AS DIRECTED BY THE ENGINEER.



TRAFFIC SIGNAL LEGEND

- ..... CONDUIT AUGERED (SIGNALS)
- CONDUIT AUGERED (LIGHTING)
- CONDUIT IN TRENCH
- MAST ARM ASSEMBLY AND POLE, STEEL
- SIGNAL POST
- ▶ SIGNAL HEAD
- ▶▶ SIGNAL HEAD WITH BACKPLATE
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSH-BUTTON POST
- ⊙ PEDESTRIAN PUSH-BUTTON
- INTERNALLY ILLUMINATED STREET NAME SIGN
- WIDE AREA VIDEO DETECTION UNIT
- CONTROLLER CABINET
- HANDHOLE, PORTLAND CEMENT CONCRETE
- DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE
- LUMINAIRE AND MAST ARM
- SERVICE INSTALLATION

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PLOT DATE = 2/6/2009 11:16:31 AM

DESIGNED - S.M.W.  
DRAWN - S.M.W.  
CHECKED - J.A.J.  
DATE - 2-09

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLANS - LAYOUT

SCALE: 1"=20' SHEET NO. 30 OF 44 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7170	08-00277-00-PV	CHAMPAIGN	44	30
FED. ROAD DIST. NO. ILLINOIS			CONTRACT NO. 91397	
FED. AID PROJECT HD-5181 (044)			CITY OF CHAMPAIGN	

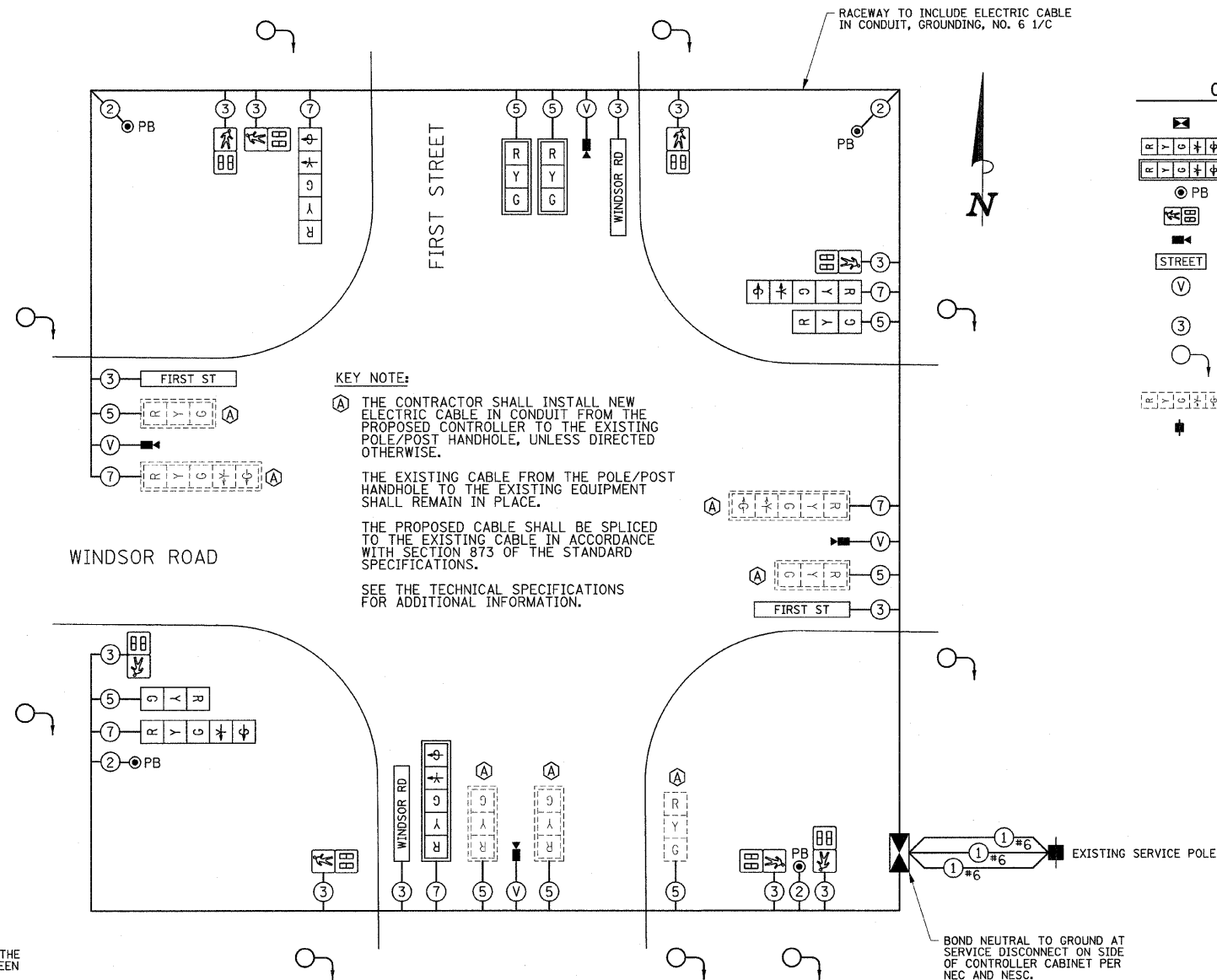
**BILL OF MATERIALS**

ITEM	UNIT	QUANTITY
SERVICE INSTALLATION, TYPE A (MODIFIED)	EACH	1
CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	264
CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	123
CONDUIT IN TRENCH, 5" DIA., PVC	FOOT	4
CONDUIT, AUGERED 2" DIA., PVC	FOOT	305
CONDUIT, AUGERED 4" DIA., PVC	FOOT	230
CONDUIT, AUGERED 5" DIA., PVC	FOOT	155
REMOVE EXISTING JUNCTION BOX	EACH	8
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	2
DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1015
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	70
TRENCH AND BACKFILL WITH SCREENINGS OR SAND	FOOT	321
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 250 WATT	EACH	2
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTIBLE POWER SUPPLY, STANDARD	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	810
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1690
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1835
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1410
TRAFFIC SIGNAL POST, ALUMINUM 10 FT.	EACH	1
TRAFFIC SIGNAL POST, ALUMINUM 16 FT.	EACH	2
PEDESTRIAN PUSH-BUTTON POST, TYPE II	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	9
CONCRETE FOUNDATION, TYPE D	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	18
DRILL EXISTING HANDHOLE	EACH	1
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	2
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	EACH	8
TRAFFIC SIGNAL BACKPLATE	EACH	3
PEDESTRIAN PUSH-BUTTON	EACH	4
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING HANDHOLE	EACH	5
REMOVE EXISTING CONCRETE FOUNDATION	EACH	4
WIDE AREA VIDEO DETECTION SYSTEM COMPLETE	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	L SUM	1
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	770
ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 1/C	FOOT	245
INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4
REMOVE ELECTRIC CABLE FROM CONDUIT (SPECIAL)	L SUM	1
LIGHT POLE, ALUMINUM, 40 FT. M.H., 8 FT. MAST ARM	EACH	1
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	8

\*SEE TECHNICAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.

**TRAFFIC SIGNAL GENERAL NOTES**

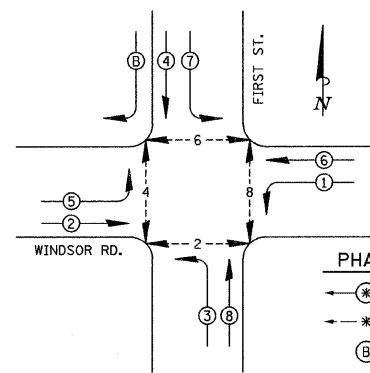
- THE ACTUAL LOCATIONS OF ALL SIGNAL FOUNDATIONS, HANDHOLES, AND THE TRAFFIC SIGNAL CONTROLLER WILL BE VERIFIED IN THE FIELD BY THE ENGINEER.
- POST MOUNTED SIGNAL HEADS SHALL BE INSTALLED SUCH THAT NO PART OF THE SIGNAL HEAD IS WITHIN TWO (2) FEET OF THE FACE OF CURB. MAST ARM POLES SHALL BE PLACED SUCH THAT A MINIMUM DISTANCE OF SIX (6) FEET IS MAINTAINED BETWEEN THE CENTER OF THE POLE AND THE FACE OF CURB (ON THE MAST ARM SIDE).
- THE TOP BRACKET FOR A SIGNAL HEAD MOUNTED TO A TAPERED LIGHT POLE SHALL BE SHIMMED AS REQUIRED FOR THE INSTALLATION.
- 12" LENSES SHALL BE USED ON ALL SIGNAL FACES.
- THE LUMINAIRE ARM, LUMINAIRE POLE WIRING, AND LUMINAIRE SHALL BE ERECTED WITH THE TRAFFIC SIGNAL MAST ARM POLE. THE LUMINAIRE SHALL HAVE A 250 WATT HIGH PRESSURE SODIUM LAMP AND AN M-C-III DISTRIBUTION. THE LUMINAIRE SHALL HAVE AN INDIVIDUAL PHOTOCELL.
- MAST ARM FOUNDATIONS SHALL INCLUDE A SEPARATE STUB AND CAP FOR ROADWAY LIGHTING CABLE. ROADWAY LIGHTING CABLE AND TRAFFIC SIGNAL CABLE SHALL NOT SHARE THE SAME CONDUIT. INTERNALLY ILLUMINATED STREET NAME SIGN CABLE SHALL BE INSTALLED IN THE SAME CONDUIT AS TRAFFIC SIGNAL CABLE.
- THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION.
- A 1/4" CONTINUOUS NYLON ROPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES, FOUNDATIONS, AND CONTROLLERS. THE ROPE SHALL BE INCLUDED IN THE COST OF THE RESPECTIVE CONDUIT PAY ITEM.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING/MODIFYING ELECTRICAL SERVICE FOR THE TRAFFIC SIGNALS AND ROADWAY LIGHTING. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY PRIOR TO COMMENCEMENT OF WORK TO OBTAIN UTILITY COMPANY REQUIREMENTS AND VERIFY EXISTING CONDITIONS OF THE SERVICE INSTALLATION.
- THE TRAFFIC SIGNAL CONTROLLER SHALL BE ORIENTED SUCH THAT INTERSECTION OPERATION AND CONTROLLER COMPONENTS CAN BE VIEWED SIMULTANEOUSLY.
- CONTROLLER PROGRAMMING OF SIGNAL TIMING WILL BE PROVIDED BY THE CITY OF CHAMPAIGN.
- THE NECESSARY CONNECTIONS FOR PROPER OPERATION OF THE VIDEO DETECTION SYSTEM, INCLUDING ALL INSTALLATION CABLES, SHALL BE INCLUDED IN THE COST OF THE WIDE AREA VIDEO DETECTION SYSTEM COMPLETE.
- THE COAXIAL CABLE FOR THE VIDEO CAMERA SHALL BE A CONTINUOUS UNBROKEN RUN FROM THE VIDEO CAMERA TO THE VIDEO DETECTION PROCESSOR. CABLE SPLICES SHALL NOT BE ALLOWED.
- THE NECESSARY CONNECTIONS FOR PROPER OPERATION OF THE INTERNALLY ILLUMINATED STREET NAME SIGN, INCLUDING ALL INSTALLATION CABLES, SHALL BE INCLUDED IN THE COST OF THE INTERNALLY ILLUMINATED STREET NAME SIGN.
- A PEDESTRIAN PUSH-BUTTON SIGN WILL BE MOUNTED ABOVE EACH PEDESTRIAN PUSH-BUTTON. THE PEDESTRIAN PUSH-BUTTON SIGNS WILL BE FURNISHED AND INSTALLED BY THE CITY OF CHAMPAIGN.
- THE CONCRETE FOUNDATION FOR THE PEDESTRIAN PUSH-BUTTON POST SHALL BE INCLUDED IN THE COST OF THE PEDESTRIAN PUSH-BUTTON POST, TYPE II.
- ALL ADAPTERS REQUIRED TO CONNECT THE PROPOSED CONDUIT TO THE EXISTING CONDUIT SHALL BE INCLUDED IN THE COST OF THE RESPECTIVE CONDUIT PAY ITEM. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.



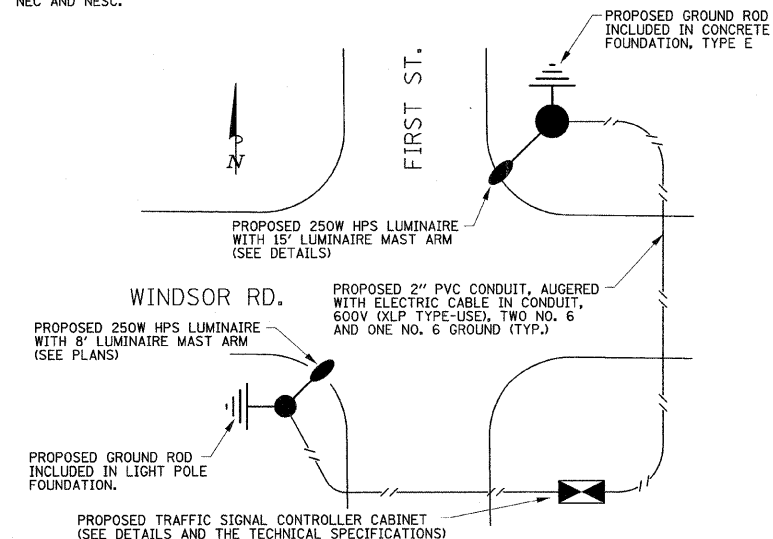
**CABLE DIAGRAM LEGEND**

- CONTROLLER CABINET
- SIGNAL FACE
- SIGNAL FACE AND BACKPLATE
- PEDESTRIAN PUSH-BUTTON
- PEDESTRIAN SIGNAL FACE
- VIDEO DETECTION UNIT
- INTERNALLY ILLUM. STREET NAME SIGN
- VIDEO DETECTION UNIT CABLES (SEE DETAILS)
- DENOTES NUMBER OF CONDUCTORS ALL CABLE NO. 14 EXCEPT AS INDICATED
- GROUNDING SYSTEM CONNECTION
- EXISTING SIGNAL FACE
- SERVICE INSTALLATION

**CABLE DIAGRAM**  
NO SCALE



**PHASE DESIGNATION DIAGRAM**



**INTERSECTION LIGHTING PLAN**  
NO SCALE

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 PLOT DATE = 2/6/2009 11:16:32 AM

DESIGNED - S.M.W.      REVISED -  
 DRAWN - S.M.W.        REVISED -  
 CHECKED - J.A.J.       REVISED -  
 DATE - 2-09            REVISED -

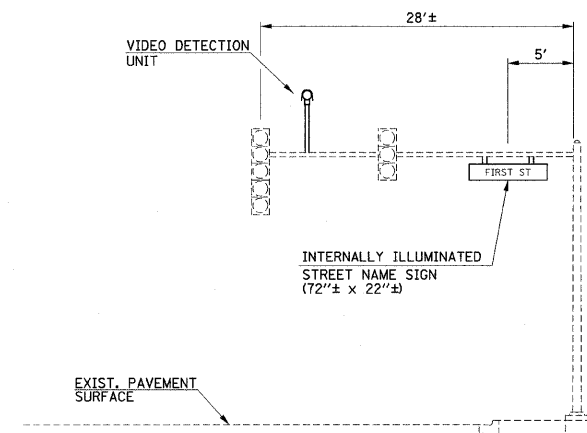
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**TRAFFIC SIGNAL PLANS - CABLE DIAGRAM**

SCALE : NONE    SHEET NO. 31 OF 44 SHEETS    STA.    TO STA.

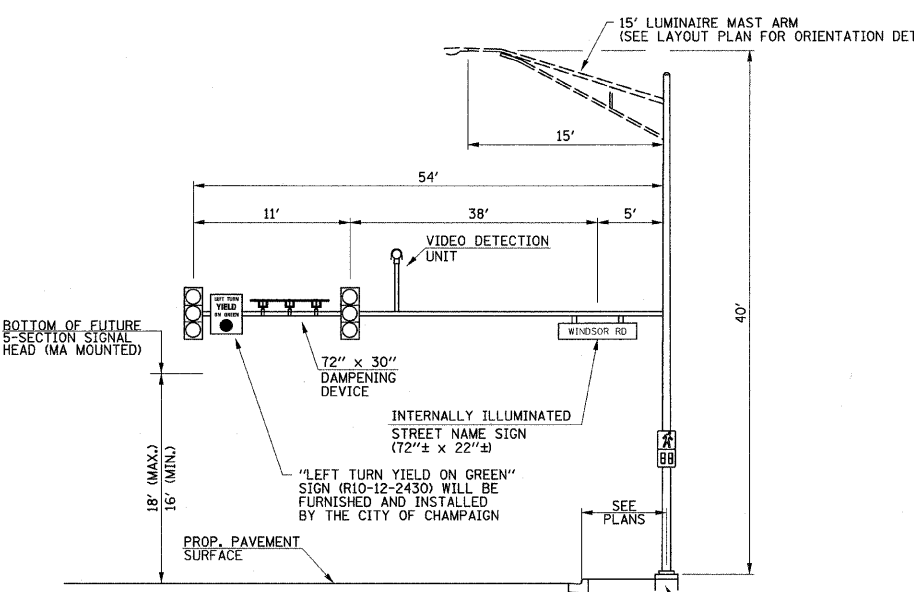
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7170	08-00277-00-PV	CHAMPAIGN	44	31
CONTRACT NO. 91397				
FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT HD-5181 (040)				

- NOTES:
- A. REFER TO THE TECHNICAL SPECIFICATIONS FOR INFORMATION ON THE COAXIAL CABLE AND FACTORY-MADE PIGTAIL CABLE.
  - B. FIELD-ASSEMBLED POWER CABLES WILL NOT BE ACCEPTED.
  - C. THE PIGTAIL AND POWER CABLES SHALL BE SPLICED AT THE MAST ARM POLE HANDHOLE.
  - D. THE COAXIAL CABLE SHALL BE A CONTINUOUS UNBROKEN RUN FROM THE VIDEO CAMERA TO THE VIDEO DETECTION PROCESSOR. SPLICES SHALL NOT BE ALLOWED.
  - E. DO NOT TWIST CABLES.



**MAST ARM LOADING DIAGRAM**

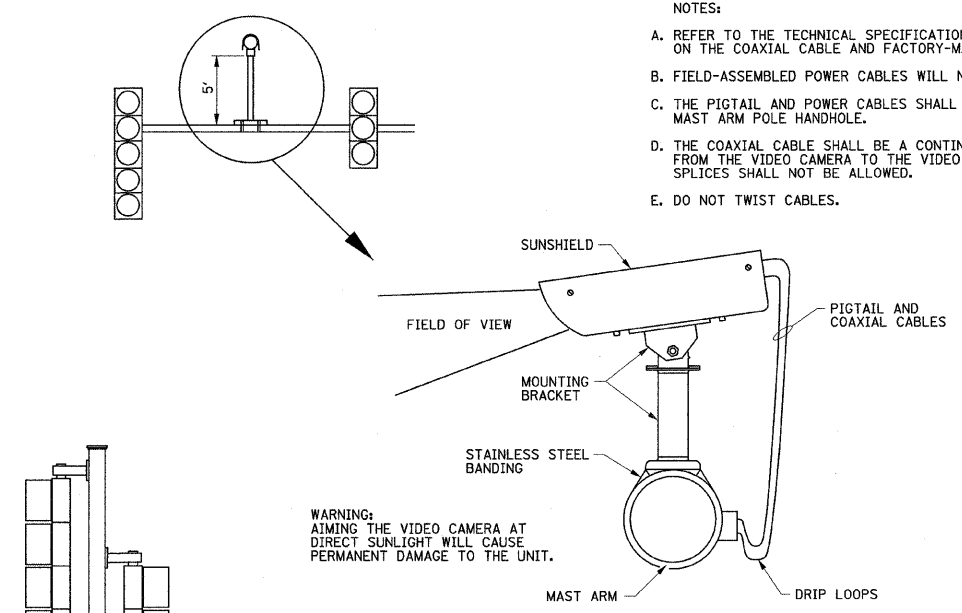
WINDSOR ROAD & FIRST STREET  
NORTHWEST QUADRANT



**MAST ARM LOADING DIAGRAM**

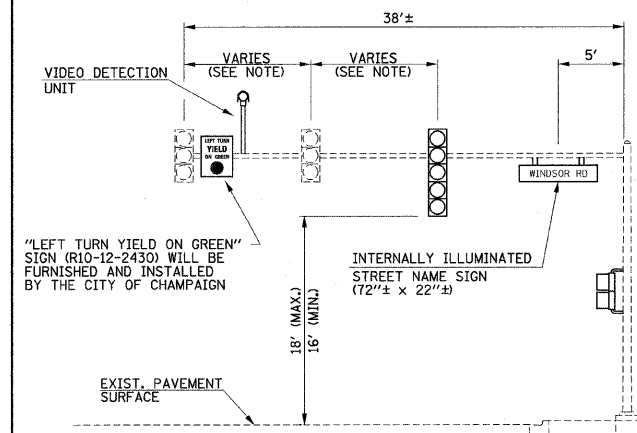
WINDSOR ROAD & FIRST STREET  
NORTHEAST QUADRANT

TYPE E FOUNDATION  
DIAMETER = 36"  
FOUNDATION ELEV. = 717.70  
DEPTH = 18.0'



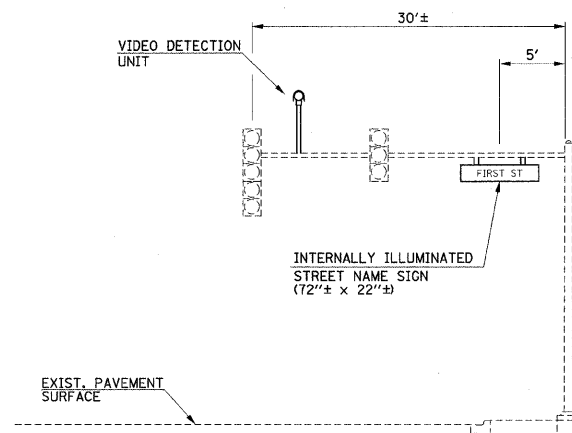
**VIDEO DETECTION UNIT MOUNTING DETAILS**

NO SCALE



**MAST ARM LOADING DIAGRAM**

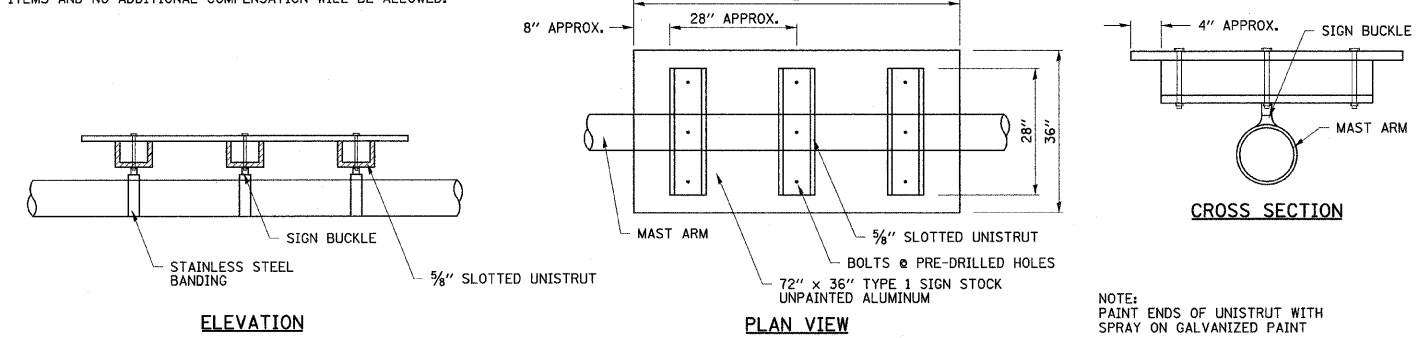
WINDSOR ROAD & FIRST STREET  
SOUTHWEST QUADRANT



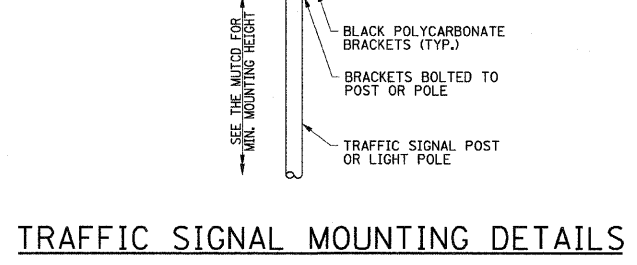
**MAST ARM LOADING DIAGRAM**

WINDSOR ROAD & FIRST STREET  
SOUTHEAST QUADRANT

NOTE:  
THE EXISTING AND PROPOSED SIGNAL HEADS SHALL BE FIELD ADJUSTED FOR OPTIMAL VISIBILITY FROM THE APPROACH LEG AND AS DIRECTED BY THE ENGINEER. THIS SHALL BE INCLUDED IN VARIOUS CONTRACT PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

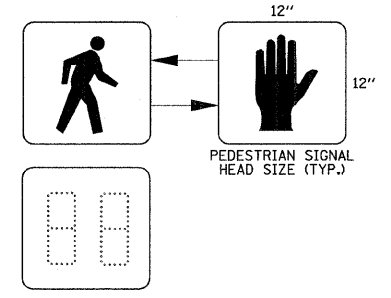


**MAST ARM MOUNTED DAMPENING DEVICE DETAILS**



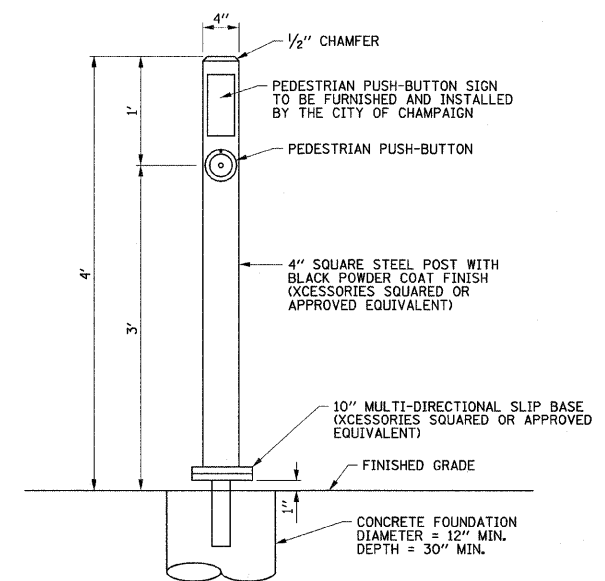
**TRAFFIC SIGNAL MOUNTING DETAILS**

ONE 3-SECTION SIGNAL HEAD AND ONE 5-SECTION SIGNAL HEAD BRACKET MOUNTED WITH BOTTOM SECTIONS AT COMMON ELEVATION



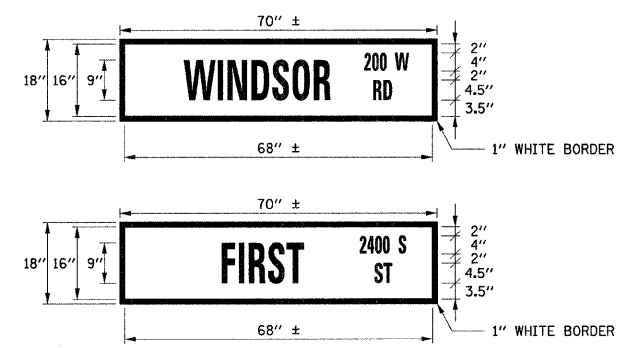
**PEDESTRIAN COUNTDOWN SIGNAL DISPLAY DETAIL**

NO SCALE



**PEDESTRIAN PUSH-BUTTON POST**

NO SCALE



**INTERNALLY ILLUMINATED STREET NAME SIGN FACE DETAILS**

NO SCALE

- NOTES:
- 1. WHITE LETTERING ON GREEN BACKGROUND SIGN LETTERING SHALL BE SERIES C.
  - 2. CONTRACTOR TO FURNISH SIGN WITH CLEAR POLYCARBONATE SIGN FACE AND CITY OF CHAMPAIGN TO FURNISH ALL SIGN GRAPHICS.

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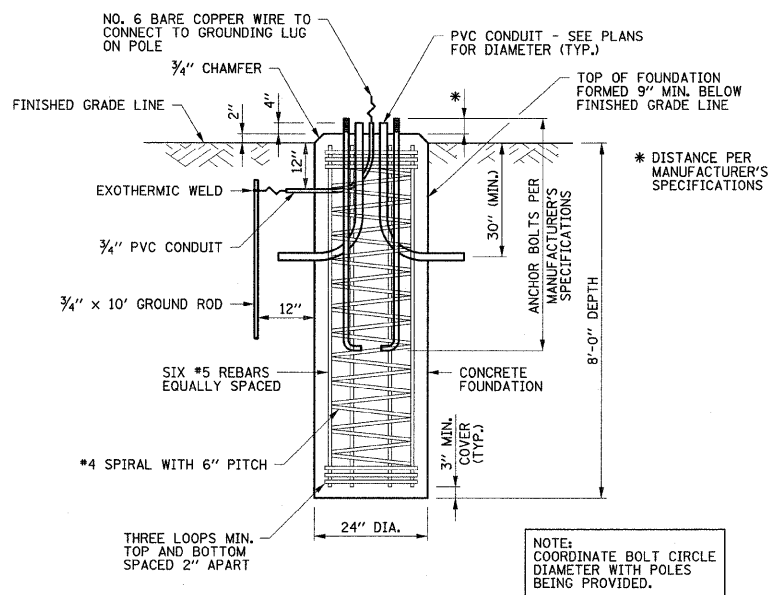
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DRAWN - S.M.W.	REVISED -
CHECKED - J.A.J.	REVISED -
DATE - 2-09	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

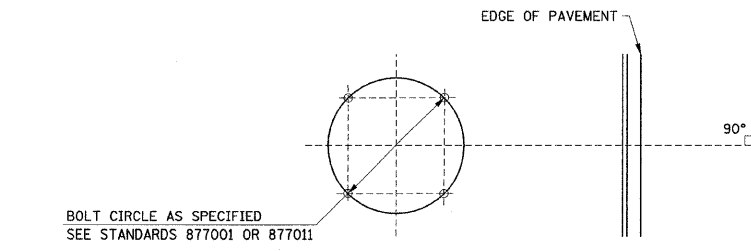
TRAFFIC SIGNAL PLANS - DETAILS

SCALE : NONE SHEET NO. 32 OF 44 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7170	08-00277-00-PV	CHAMPAIGN	44	32
FED. ROAD DIST. NO.			CONTRACT NO. 91397	
ILLINOIS FED. AID PROJECT NO. 5181 (044)				

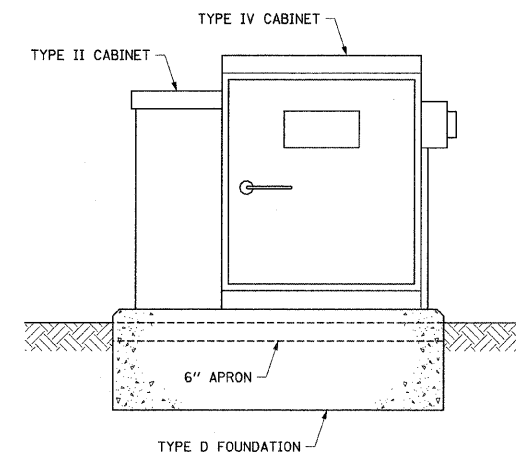


**LIGHT POLE CONCRETE FOUNDATION DETAIL**  
NO SCALE

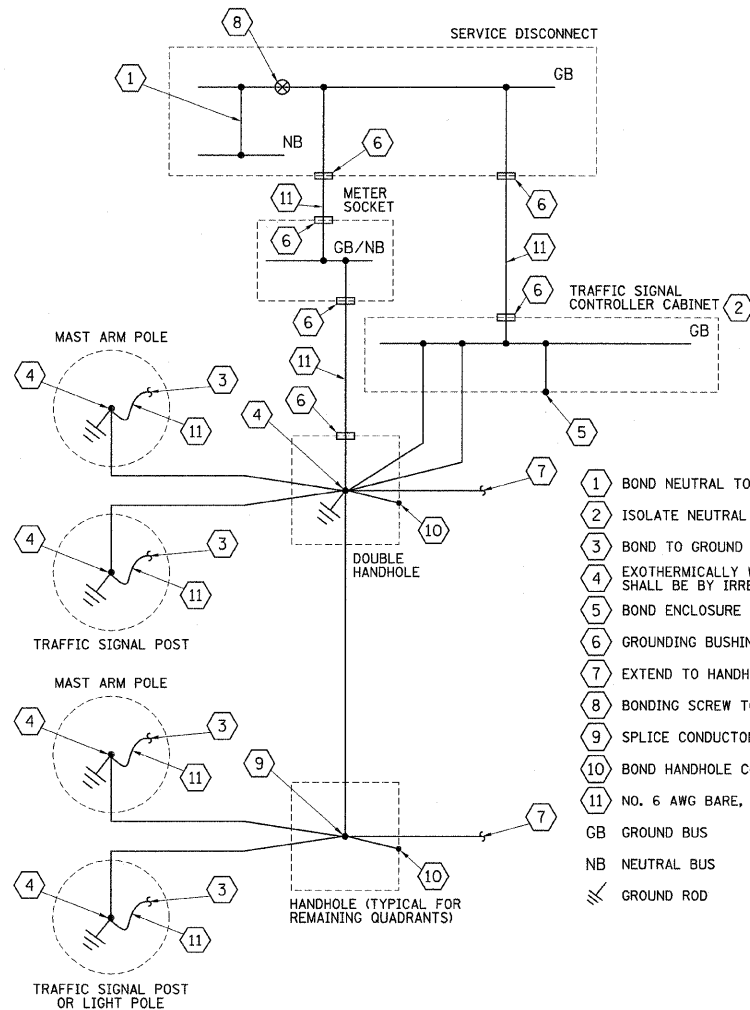


**MAST ARM FOUNDATION BOLT PATTERN DETAIL**  
NO SCALE

NOTE: ORIENTATION OF ANCHOR BOLTS TO BE FIELD VERIFIED



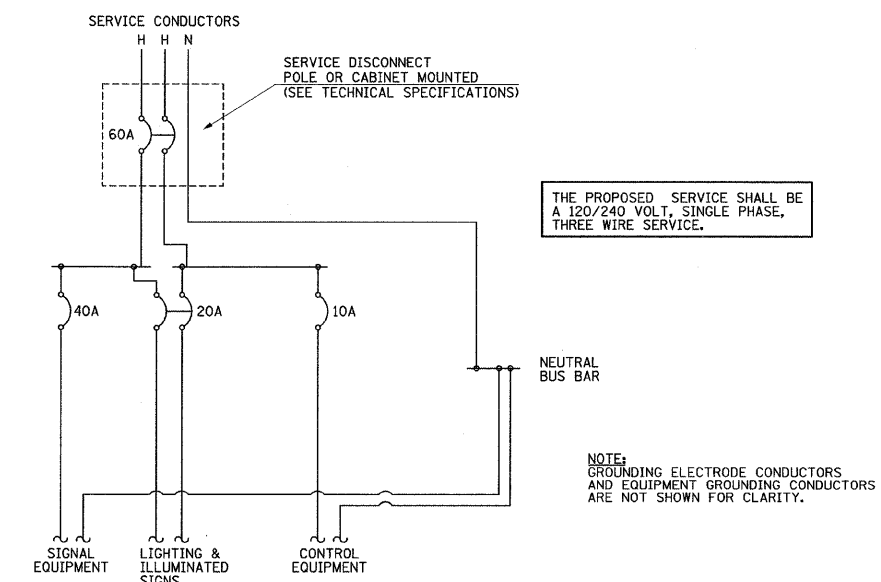
**UPS BATTERY CABINET MOUNTING DETAIL**  
NO SCALE



- 1 BOND NEUTRAL TO GROUND.
  - 2 ISOLATE NEUTRAL FROM GROUND. DO NOT BOND NEUTRAL.
  - 3 BOND TO GROUND LUG IN POLE/POST.
  - 4 EXOTHERMICALLY WELD CONDUCTORS TO GROUND ROD. ANY SPLICES SHALL BE BY IRREVERSIBLE HYDRAULIC COMPRESSION SPLICES.
  - 5 BOND ENCLOSURE TO GROUND.
  - 6 GROUNDING BUSHING BONDED TO GROUNDING ELECTRODE CONDUCTOR.
  - 7 EXTEND TO HANDHOLES IN OTHER QUADRANTS AS REQUIRED.
  - 8 BONDING SCREW TO BOND GROUND BUS TO EQUIPMENT ENCLOSURE.
  - 9 SPLICE CONDUCTORS USING IRREVERSIBLE HYDRAULIC COMPRESSION SPLICES.
  - 10 BOND HANDHOLE COVER AND FRAME TO GROUND.
  - 11 NO. 6 AWG BARE, SOLID COPPER GROUNDING ELECTRODE CONDUCTOR.
- GB GROUND BUS  
NB NEUTRAL BUS  
GND GROUND ROD

**TRAFFIC SIGNAL GROUNDING DIAGRAM**

ALL WIRES SHALL BE NO. 6 AWG STRANDED COPPER CONDUCTORS WITH XLP INSULATION UNLESS OTHERWISE INDICATED. THE INSULATION COLOR SHALL BE GREEN.

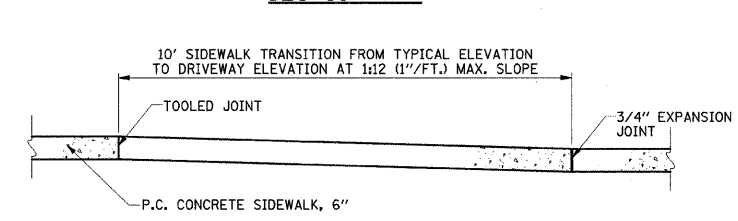
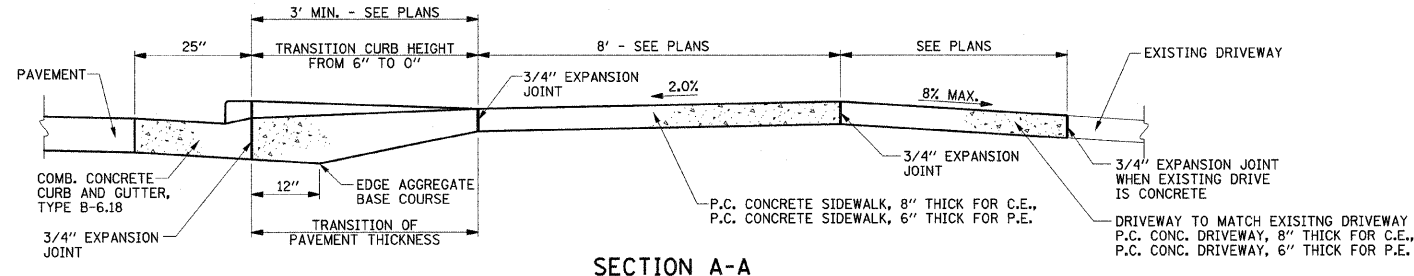
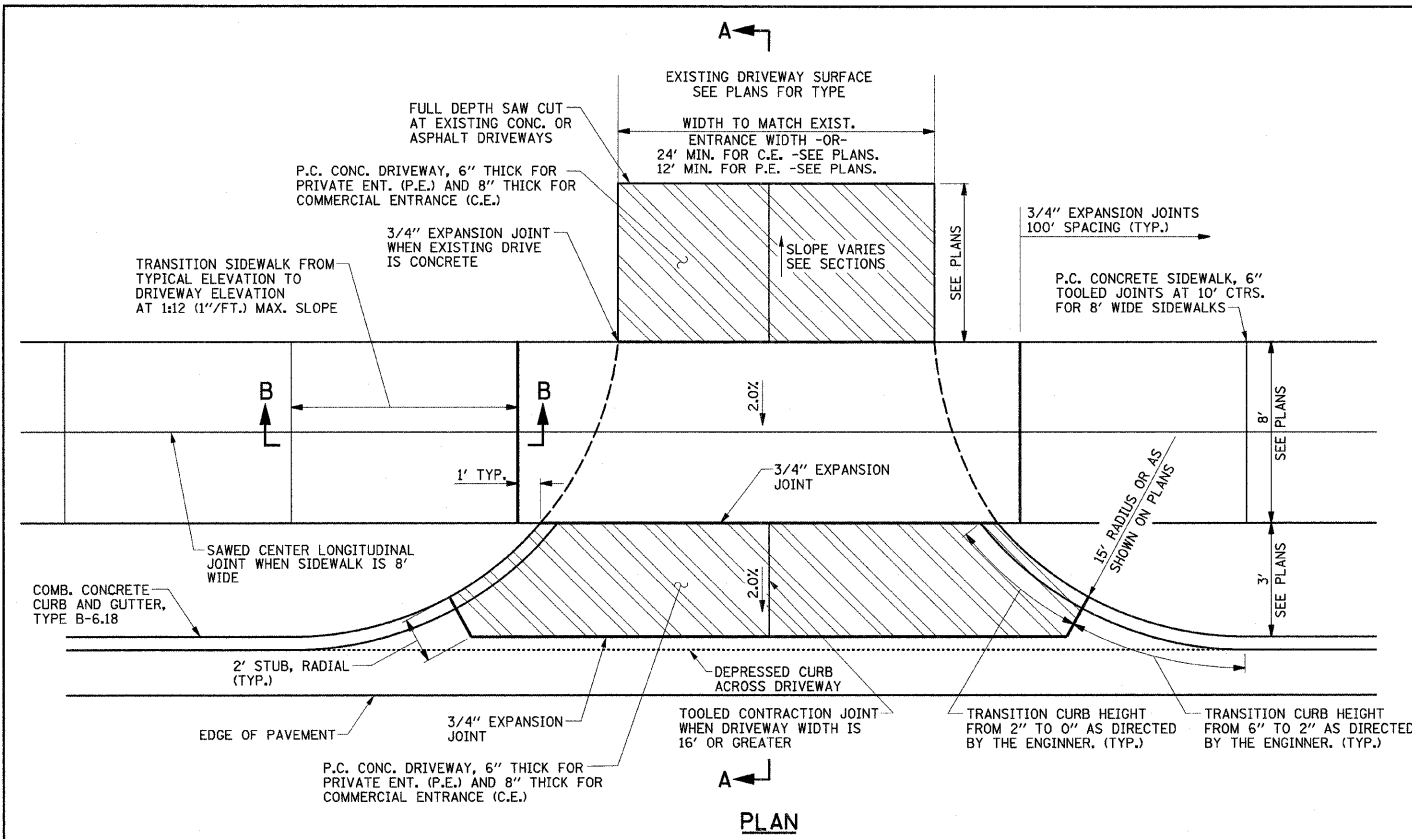


THE PROPOSED SERVICE SHALL BE A 120/240 VOLT, SINGLE PHASE, THREE WIRE SERVICE.

NOTE: GROUNDING ELECTRODE CONDUCTORS AND EQUIPMENT GROUNDING CONDUCTORS ARE NOT SHOWN FOR CLARITY.

**TRAFFIC SIGNAL CONTROLLER INSTALLATION DIAGRAM**

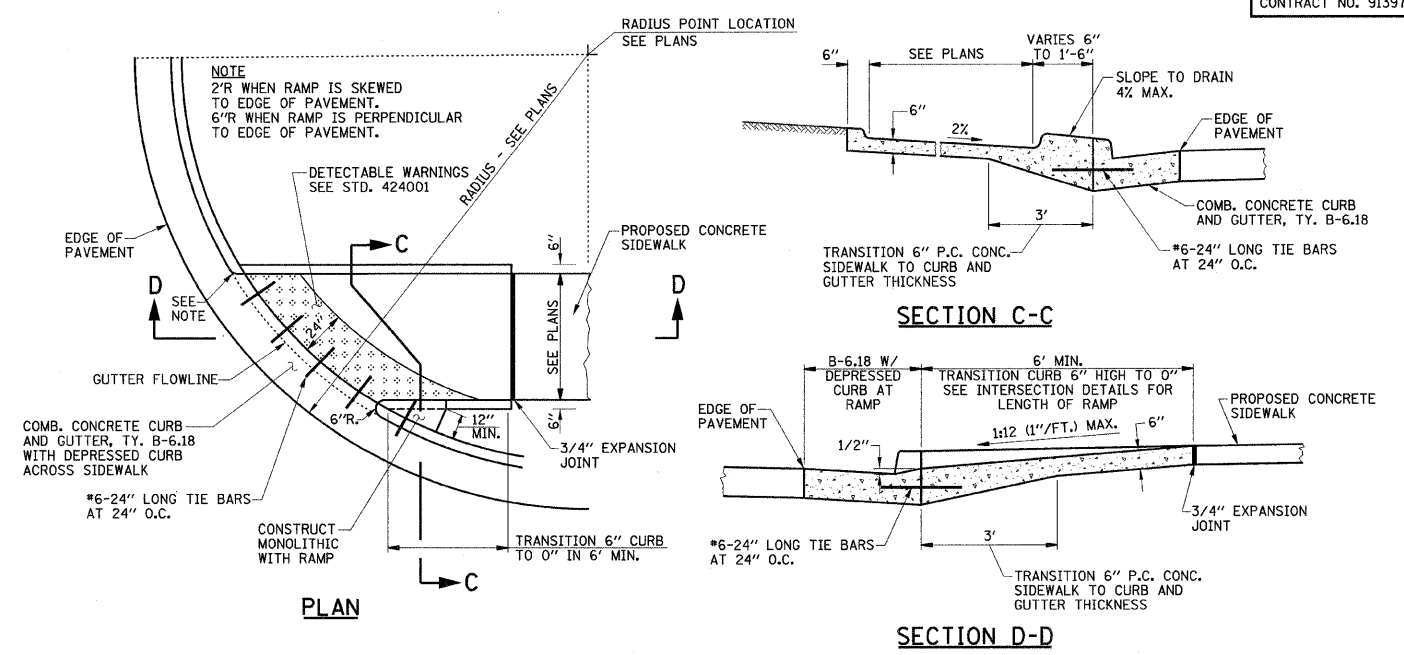
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PLOT DATE = 2/6/2009 11:16:33 AM	DRAWN - S.M.W.	REVISED -					SCALE : NONE	SHEET NO. 33 OF 44 SHEETS	STA. TO STA.	CONTRACT NO. 91397	
	CHECKED - J.A.J.	REVISED -					FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT HD-5181 (044)				
	DATE - 2-09	REVISED -									



**P.C. CONCRETE DRIVEWAY DETAIL ADJACENT TO COMB. CONC. CURB & GUTTER, TYPE B-6.18 (PRIVATE AND COMMERCIAL ENTRANCES)**

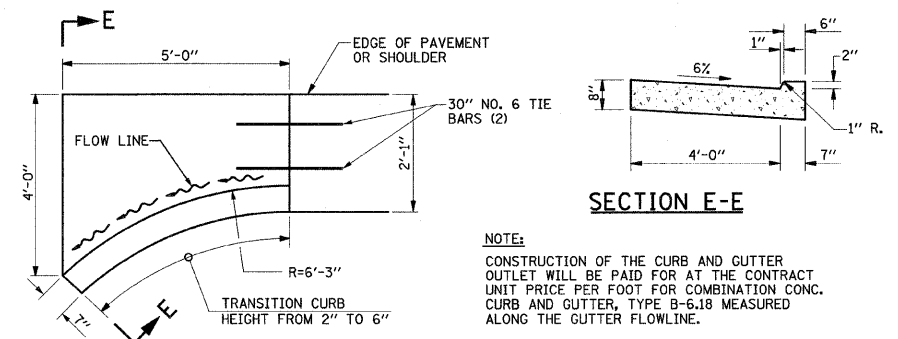
**P.C.C. DRIVEWAY GENERAL NOTES**

- THE COST OF CONSTRUCTING THE DEPRESSED CURB INCLUDING THE 2' STUB AS SHOWN SHALL BE CONSIDERED INCLUDED IN THE COST OF CONSTRUCTING THE COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.18 AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE COST OF FURNISHING AND INSTALLING THE 3/4" EXPANSION JOINTS AND THE COST OF CONSTRUCTING THE P.C. CONCRETE DRIVEWAY THICKNESS TRANSITION, INCLUDING THE ADJACENT CURBING AS SHOWN, SHALL BE INCLUDED IN THE COST OF CONSTRUCTING P.C. CONCRETE DRIVEWAY AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE NORMAL CROSS SLOPES OF SIDEWALKS SHALL BE 2.0% EXCEPT AT THE RAMP LOCATIONS.
- THE COST OF CONSTRUCTING THE P.C. CONCRETE DRIVEWAY PAVEMENT THICKER ADJACENT TO THE GUTTER AS SHOWN IN SECTION A-A WILL BE CONSIDERED INCLUDED IN THE COST OF THE P.C. CONCRETE DRIVEWAY PAVEMENT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE COST OF CONSTRUCTING THE P.C. CONCRETE SIDEWALK 8" THICK THROUGH DRIVEWAYS SHALL BE CONSIDERED INCLUDED IN THE COST OF P.C. CONCRETE SIDEWALK 6" AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- WHEN THE WIDTH OF THE P.C. CONCRETE DRIVEWAY PAVEMENT IS BETWEEN 12' AND 24' A CONTRACTION JOINT SHALL BE PLACED AT THE CENTER OF THE DRIVEWAY. WHEN THE WIDTH OF THE P.C. CONCRETE DRIVEWAY PAVEMENT IS BETWEEN 24' TO 35', TWO CONTRACTION JOINTS EVENLY SPACED SHALL BE PLACED IN THE DRIVEWAY. TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED AT 12' MAXIMUM SPACING.

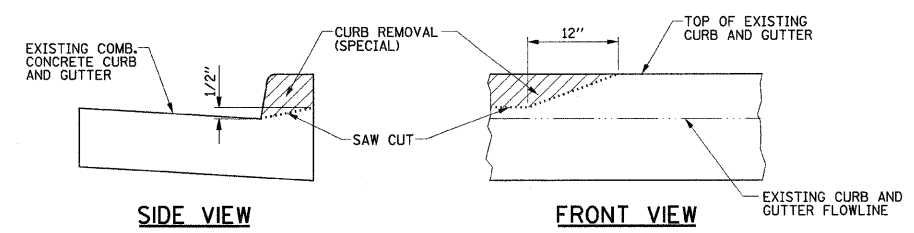


**P.C. CONCRETE SIDEWALK RAMP DETAILS SIDEWALK GENERAL NOTES**

- THE COST OF CONSTRUCTING THE DEPRESSED CURB AS SHOWN SHALL BE CONSIDERED INCLUDED IN THE COST OF CONSTRUCTING COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.18 AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE COST OF FURNISHING AND INSTALLING THE 3/4" EXPANSION JOINTS AND #6-24" LONG TIE BARS AND THE COST OF CONSTRUCTING THE P.C.C. SIDEWALK THICKNESS TRANSITION, INCLUDING THE ADJACENT CURBING AS SHOWN, SHALL BE INCLUDED IN THE COST OF CONSTRUCTING P.C. CONCRETE SIDEWALK 6" AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE DETECTABLE WARNINGS SHALL HAVE A CONTRASTING COLOR APPROVED BY THE ENGINEER AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD 424001 AND THE STANDARD SPECIFICATIONS. THE DETECTABLE WARNINGS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR DETECTABLE WARNINGS.
- WHEN PREFABRICATED DETECTABLE WARNING PRODUCTS ARE USED THE SIDEWALK RAMP BELOW THE DETECTABLE WARNING UNITS SHALL BE A MINIMUM OF 4" THICK.
- THE NORMAL CROSS SLOPES OF SIDEWALKS SHALL BE 2.0% EXCEPT AT THE RAMP LOCATIONS.
- TRANSVERSE SAWED JOINTS SHALL BE PLACED AT 10' CENTERS FOR 8' WIDE SIDEWALKS. THE 3/4" EXPANSION JOINTS SHALL BE PLACED AT 100' CENTERS.



**CURB & GUTTER OUTLET DETAIL**



**CURB REMOVAL (SPECIAL) DETAIL**

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DRAWN - J.L.B.	REVISED -
CHECKED - J.T.P.	REVISED -
DATE - 2-09	REVISED -

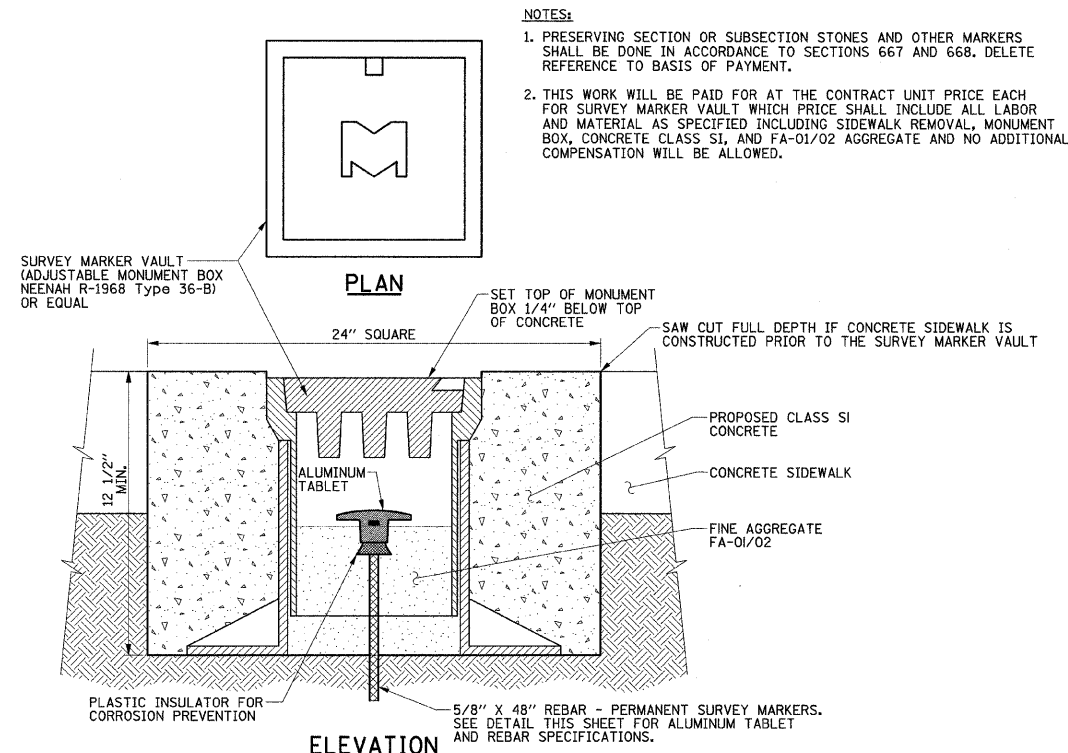
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

P.C. CONCRETE DRIVEWAY, SIDEWALK AND GUTTER DETAILS

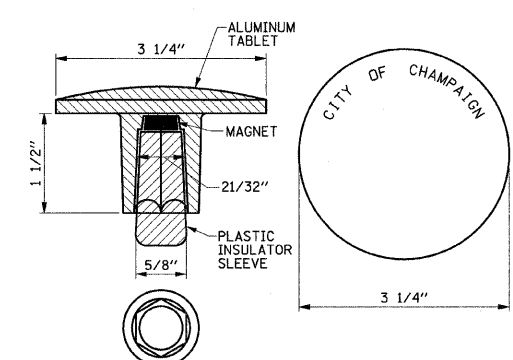
SCALE : NONE	SHEET NO. 34 OF 44 SHEETS	STA. TO STA.
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F.A.I. RTE. 7170	SECTION 08-00277-00-PV	COUNTY CHAMPAIGN	TOTAL SHEETS 44	SHEET NO. 34
CONTRACT NO. 91397			ILLINOIS FED. AID PROJECT HD-5181 (044)	





**SURVEY MARKER VAULT DETAIL**

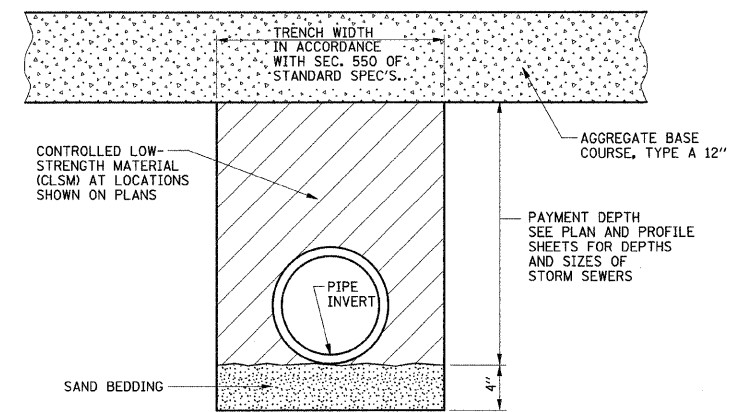


**PERMANENT SURVEY MARKER DETAIL**

**NOTES:**  
 1. PRESERVING SECTION OR SUBSECTION STONES AND OTHER MARKERS SHALL BE DONE IN ACCORDANCE TO SECTIONS 667 AND 668. DELETE REFERENCE TO BASIS OF PAYMENT.  
 2. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR SURVEY MARKER VAULT WHICH PRICE SHALL INCLUDE ALL LABOR AND MATERIAL AS SPECIFIED INCLUDING SIDEWALK REMOVAL, MONUMENT BOX, CONCRETE CLASS SI, AND FA-01/02 AGGREGATE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

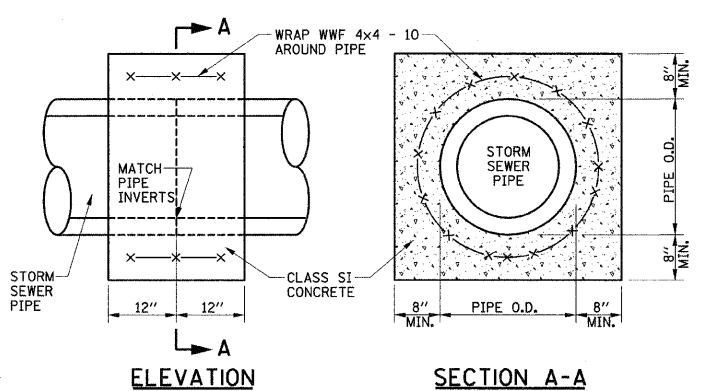
**NOTES:**  
 1. ALUMINUM TABLET SHALL BE SET WITH A 5/8" X 48" REBAR.  
 2. REFERENCING OF THE EXISTING SURVEY MARKER AND SETTING AND MARKING THE PROPOSED SURVEY MARKER SHALL BE DONE BY AN ILLINOIS PROFESSIONAL LAND SURVEYOR IN ACCORDANCE WITH SECTIONS 667 AND 668 OF THE STANDARD SPECIFICATIONS. DELETE REFERENCE TO BASIS OF PAYMENT.  
 3. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR PERMANENT SURVEY MARKERS WHICH PRICE SHALL INCLUDE ALL LABOR AND MATERIAL AS SPECIFIED, INCLUDING SETTING AND MARKING THE SURVEY MARKER BY AN ILLINOIS PROFESSIONAL LAND SURVEYOR AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

**SPECIFICATIONS FOR ALUMINUM TABLET**  
 SURVEY CAP FOR REBAR, 3-1/4-INCH CONVEX SURVEY CAP FOR 5/8-INCH REBAR WITH CITY OF CHAMPAIGN LOGO. THIS LOGO SHALL PROVIDE LETTERS RECESSED INTO THE SURFACE A MINIMUM OF 0.031 (1/32) INCH FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM CAP FOR REBAR SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD.  
 THE ALUMINUM CAP FOR REBAR SHALL BE TAPERED FOR A PERFECT COMPRESSION FIT. A SPECIAL PLASTIC INSULATOR SHALL BE INSTALLED TO PREVENT DISSIMILAR METAL CONTACT AND CORROSION. THE PLASTIC INSULATOR SHALL FORM READILY TO THE OUTER SHAPE OF THE REBAR AND TO THE INNER SHAPE OF THE ALUMINUM CAP SOCKET. THE PLASTIC INSULATOR SHALL BE LOW DENSITY POLYETHYLENE, A MINIMUM 1-1/2-INCH LONG AND CONFORM TO FEDERAL SPECIFICATION L-P 390.  
 COMPOSITION: ALUMINUM 98.3-98.7%; OTHER 1.3-1.7%.  
 STRENGTH: YIELD 28 KSI, ULTIMATE 32 KSI.  
 ELONGATION: 15% (IN TWO INCHES).  
 SPECIFICATIONS: ALUMINUM ALLOY 6101-O<sub>2</sub> ASTM B317-83 (EXCEPT TEMPER) AS FORGED. NO EXCEPTIONS.



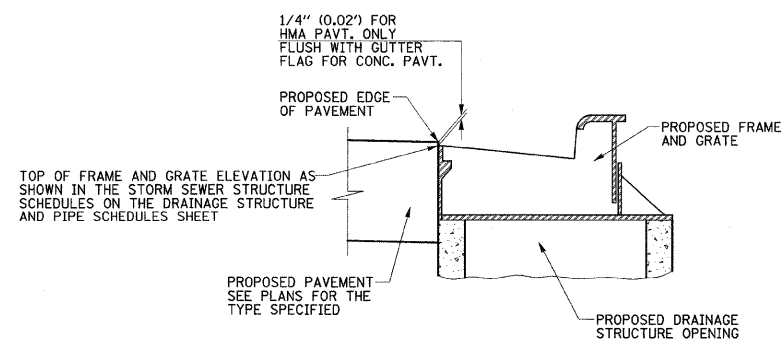
**CONTROLLED LOW-STRENGTH MATERIAL DETAIL**

**NOTES:**  
 1. THE CLSM SHALL BE PLACED IN LIFTS AS DESCRIBED IN SECTION 593 OF THE STANDARD SPECIFICATIONS.  
 2. THE APPLICABLE ARTICLES OF SECTION 550 OF THE STANDARD SPECIFICATIONS SHALL APPLY FOR EXCAVATION, BEDDING AND INSTALLATION OF STORM SEWERS.  
 3. THE SAND BEDDING SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PIPE MATERIAL AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.  
 4. THE CLSM WILL BE PAID FOR IN ACCORDANCE WITH SECTION 593 OF THE STANDARD SPECIFICATIONS FOR CLSM AND INCLUDES PAYMENT FOR THE MATERIAL TO THE TOP OF THE SAND BEDDING AS SHOWN ON THE DETAIL. THE QUANTITIES SHOWN ON THE PLANS ARE BASED ON A DEPTH MEASURED FROM THE TOP OF THE SAND BEDDING TO THE BOTTOM LIMITS OF THE AGGREGATE BASE COURSE.

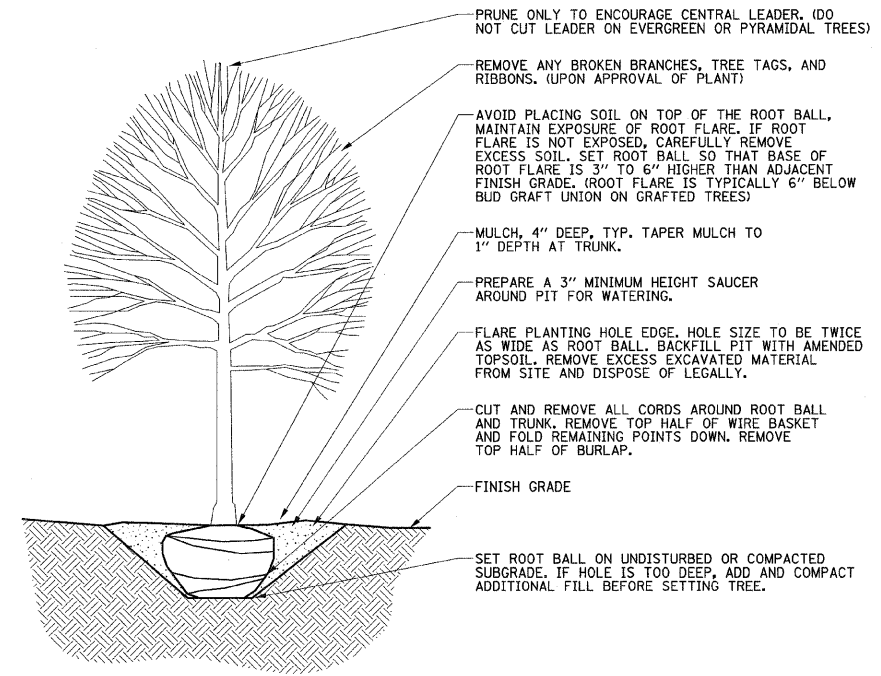


**CONCRETE COLLAR DETAIL**

**NOTE:**  
 THE CONCRETE COLLARS SHALL BE UTILIZED WHERE CONNECTING STORM SEWERS OF DIFFERENT TYPES OR AS DIRECTED BY THE ENGINEER. THE COST OF CONSTRUCTING THE CONCRETE COLLARS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR CONCRETE COLLAR.



**DRAINAGE STRUCTURE FRAME AND GRATE DETAIL FOR COMBINATION CC&G, TYPE B-6.18**



**DECIDUOUS TREE PLANTING DETAIL**

**NOTES:**  
 1. CONTRACTOR RESPONSIBLE FOR RESTORATION OF ANY UNAUTHORIZED DISRUPTION OUTSIDE OF DESIGNATED CONSTRUCTION AREA.  
 2. TREE MULCH RINGS ARE 5' DIAMETER, TYPICAL.  
 3. DO NOT LOCATE PLANTS WITHIN 10' OF UTILITY STRUCTURES. DO NOT LOCATE PLANTS WITHIN 5' HORIZONTALLY OF UNDERGROUND UTILITY LINES.  
 4. NO ADDITIONAL PAYMENTS WILL BE MADE FOR MATERIALS REQUIRED TO COMPLETE THE WORK AS SHOWN.

**NOTES:**  
 1. SEE THE STORM SEWER STRUCTURE SCHEDULES ON THE DRAINAGE STRUCTURE AND PIPE SCHEDULES SHEET FOR THE TYPE, LOCATION, AND ELEVATION OF THE FRAMES AND GRATES.  
 2. THIS DETAIL SHALL BE APPLICABLE FOR PROPOSED FRAMES AND GRATES PLACED WITHIN COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18.  
 3. THE TOP-OF-FRAME ELEVATIONS SHOWN IN THE STORM SEWER STRUCTURE SCHEDULES ARE THE SAME AS THE EDGE OF PAVEMENT ELEVATIONS FOR P.C. CONCRETE PAVEMENTS AND 0.02' LOWER FOR HOT-MIX ASPHALT PAVEMENTS THAN THE ADJACENT PROPOSED EDGE OF PAVEMENT ELEVATION.

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PLOT DATE = 2/6/2009 11:06:02 AM	DRAWN - J.L.B.	REVISED -
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	DATE - 2-09	REVISED -

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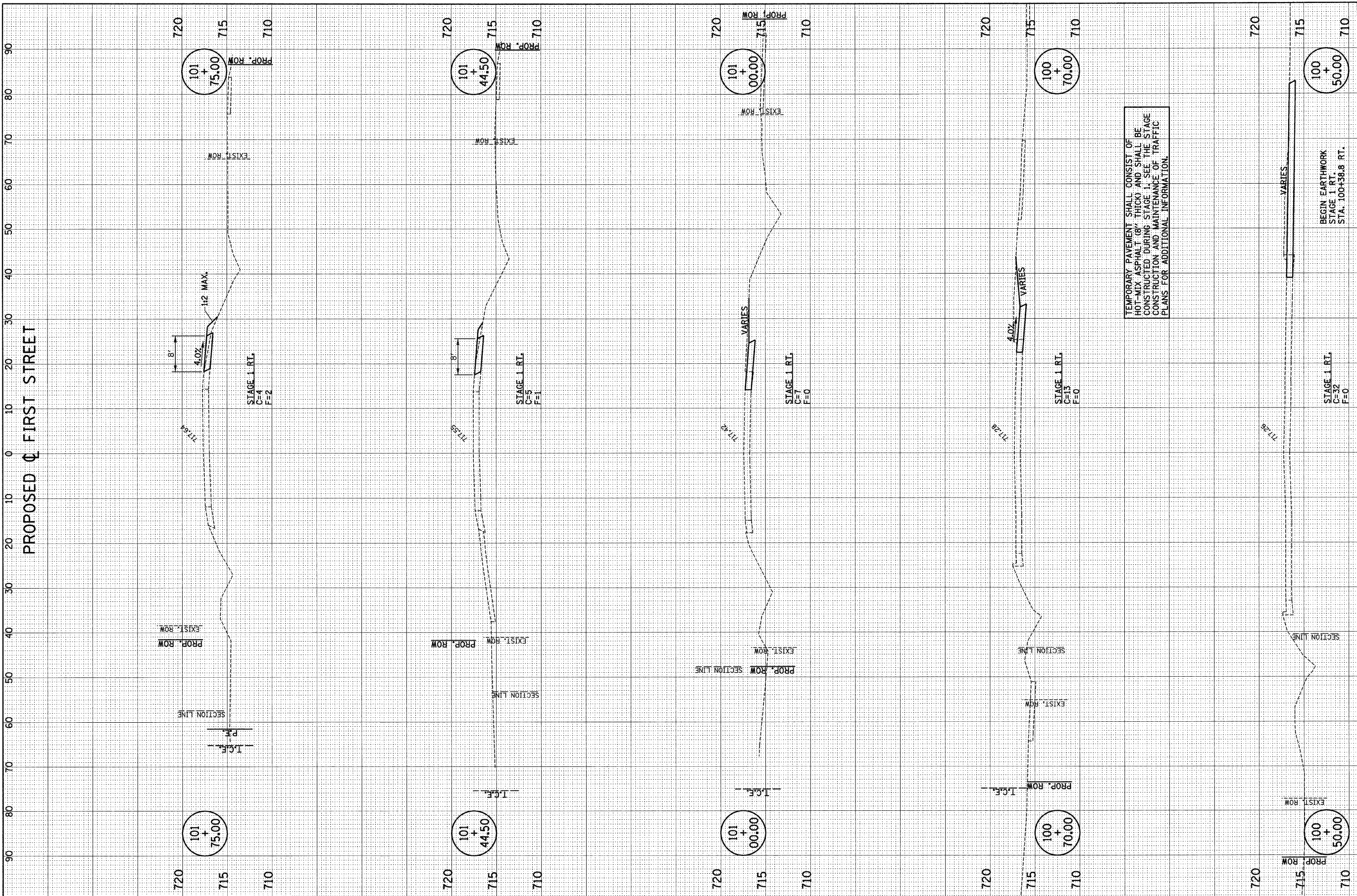
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS			
SCALE : NONE	SHEET NO. 35 OF 44 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7170	08-00277-00-PV	CHAMPAIGN	44	35
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HD-5181 (044)			CONTRACT NO. 91397	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		



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DESIGNED - R.L.H.	REVISED -
DRAWN - J.L.B.	REVISED -
CHECKED - J.T.P.	REVISED -
DATE - 2-09	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

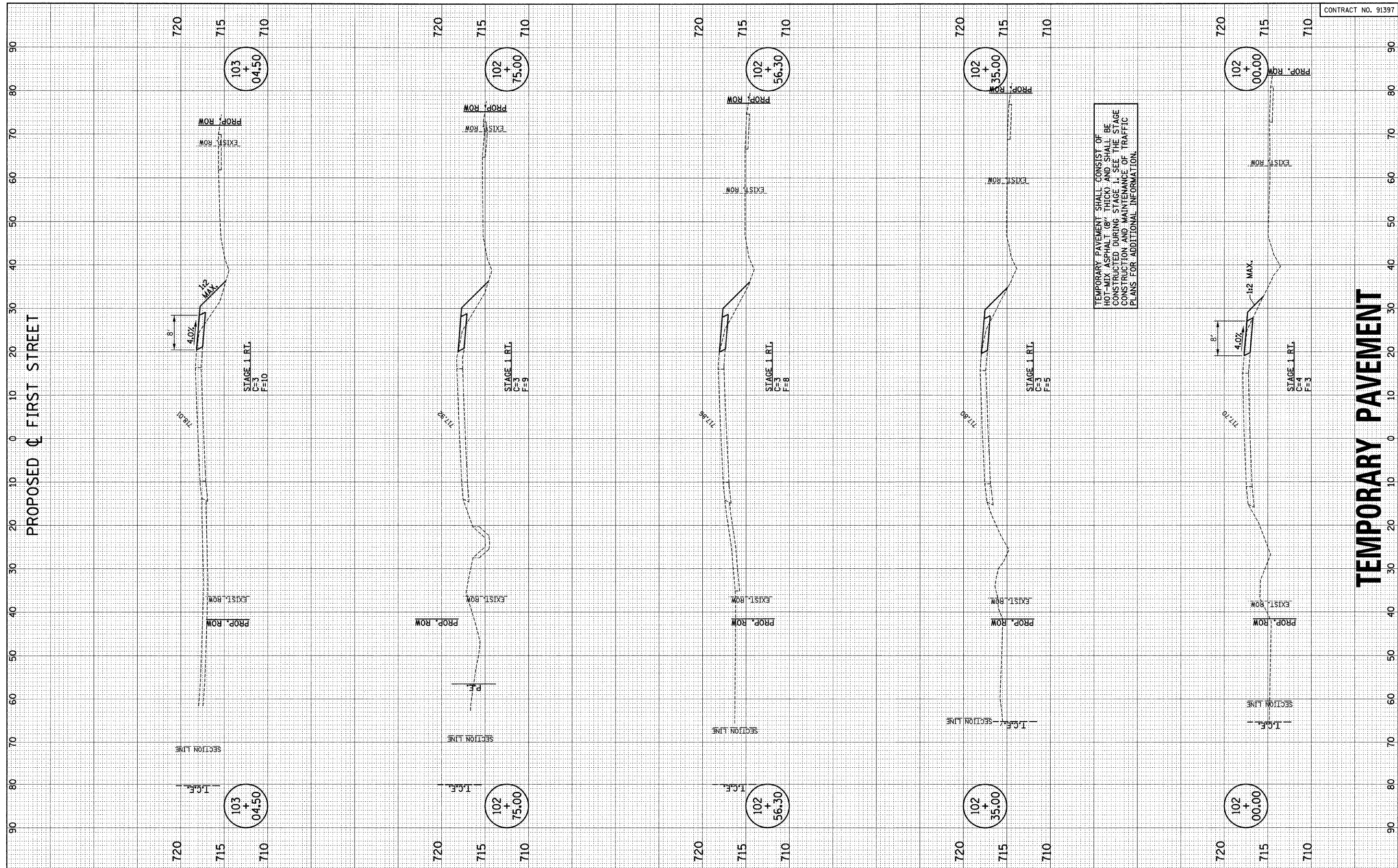
CROSS SECTIONS - TEMPORARY PAVEMENT  
 SCALE: 1/4" = 10' HOR, 1/8" = 5' VERT  
 SHEET NO. 36 OF 44 SHEETS  
 STA. 100+50.00 TO STA. 101+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7170	08-00277-00-PV	CHAMPAIGN	44	36
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HD-5181 (044)			CONTRACT NO. 91397	



FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		



PROPOSED  $\phi$  FIRST STREET

TEMPORARY PAVEMENT

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CHECKED - J.T.P.	REVISED -
DATE - 2-09	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

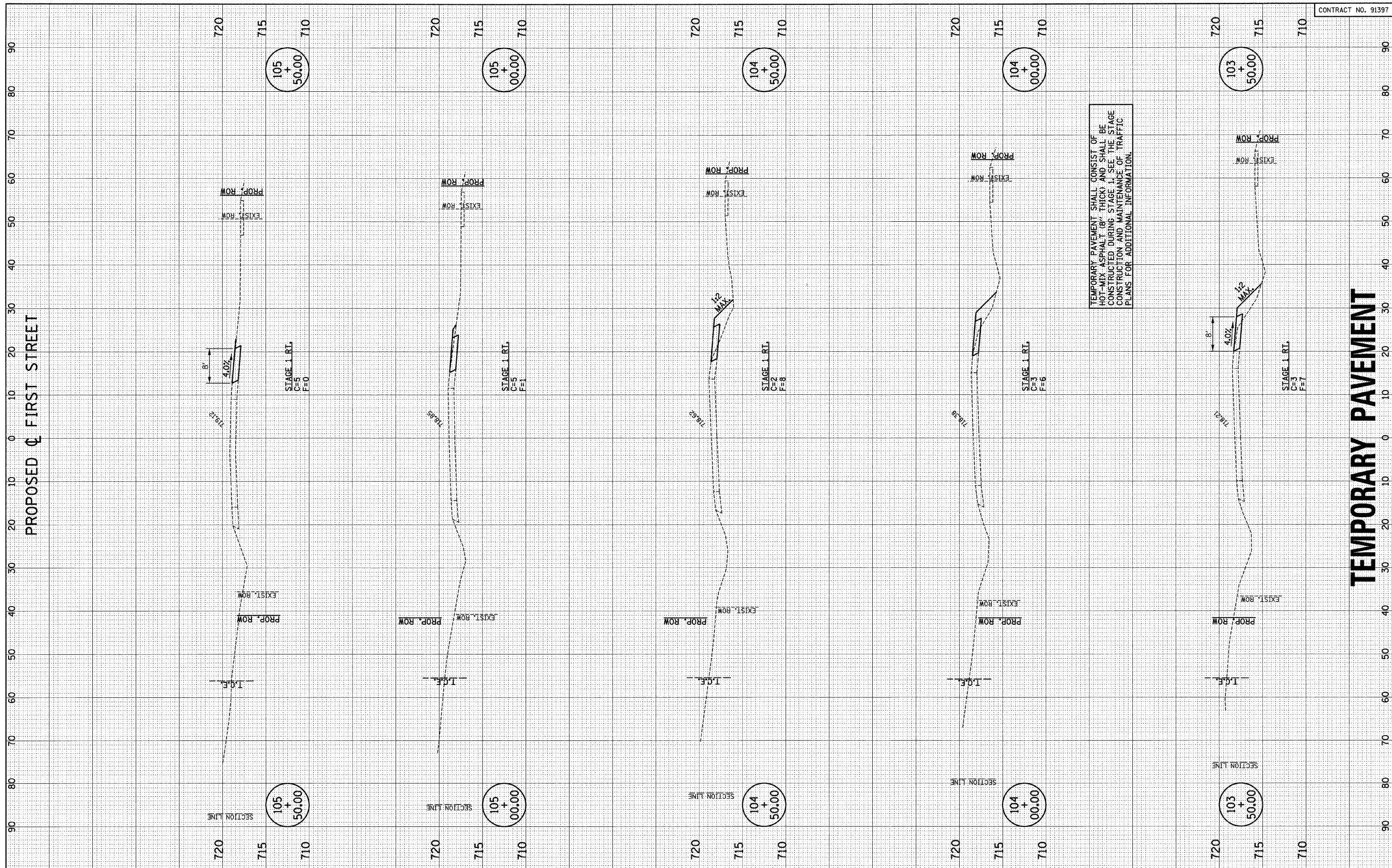
CROSS SECTIONS - TEMPORARY PAVEMENT

SCALE : 1" = 10' HOR  
 1" = 8' VERT SHEET NO. 37 OF 44 SHEETS STA. 102+00.00 TO STA. 103+04.50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
710	08-00277-00-PV	CHAMPAIGN	44	37
CONTRACT NO. 91397			ILLINOIS FED. AID PROJECT HD-5181 (044)	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		



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CHECKED - J.T.P.	REVISED -
DATE - 2-09	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

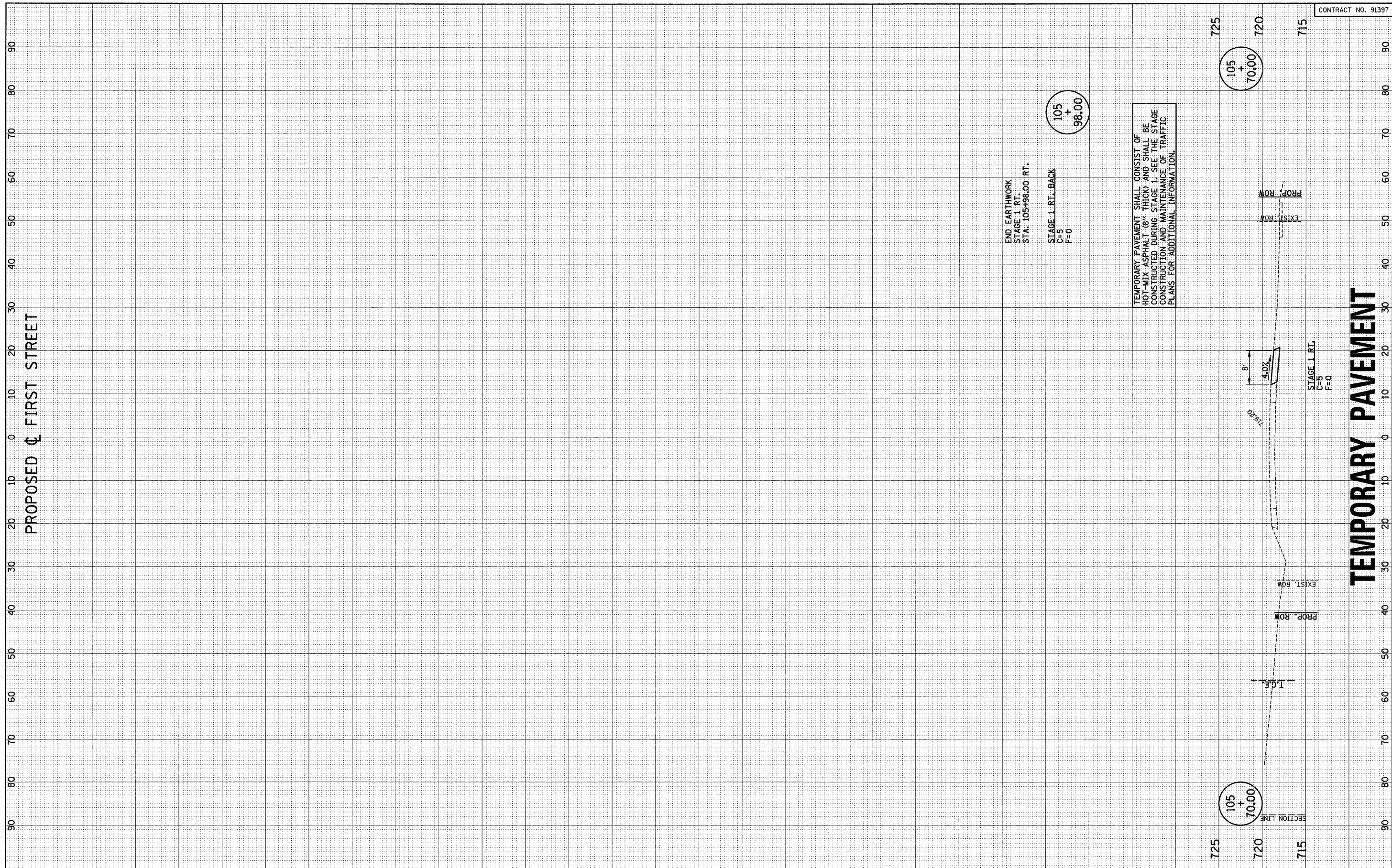
CROSS SECTIONS - TEMPORARY PAVEMENT  
 SCALE: 1" = 10' HOR, 1" = 5' VERT  
 SHEET NO. 38 OF 44 SHEETS  
 STA. 103+50.00 TO STA. 105+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7170	08-00277-00-PV	CHAMPAIGN	44	38
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT HD-5181 (044)	
			CONTRACT NO. 91397	



FINAL SURVEY	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	



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CHECKED - J.T.P.	REVISED -
DATE - 2-09	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

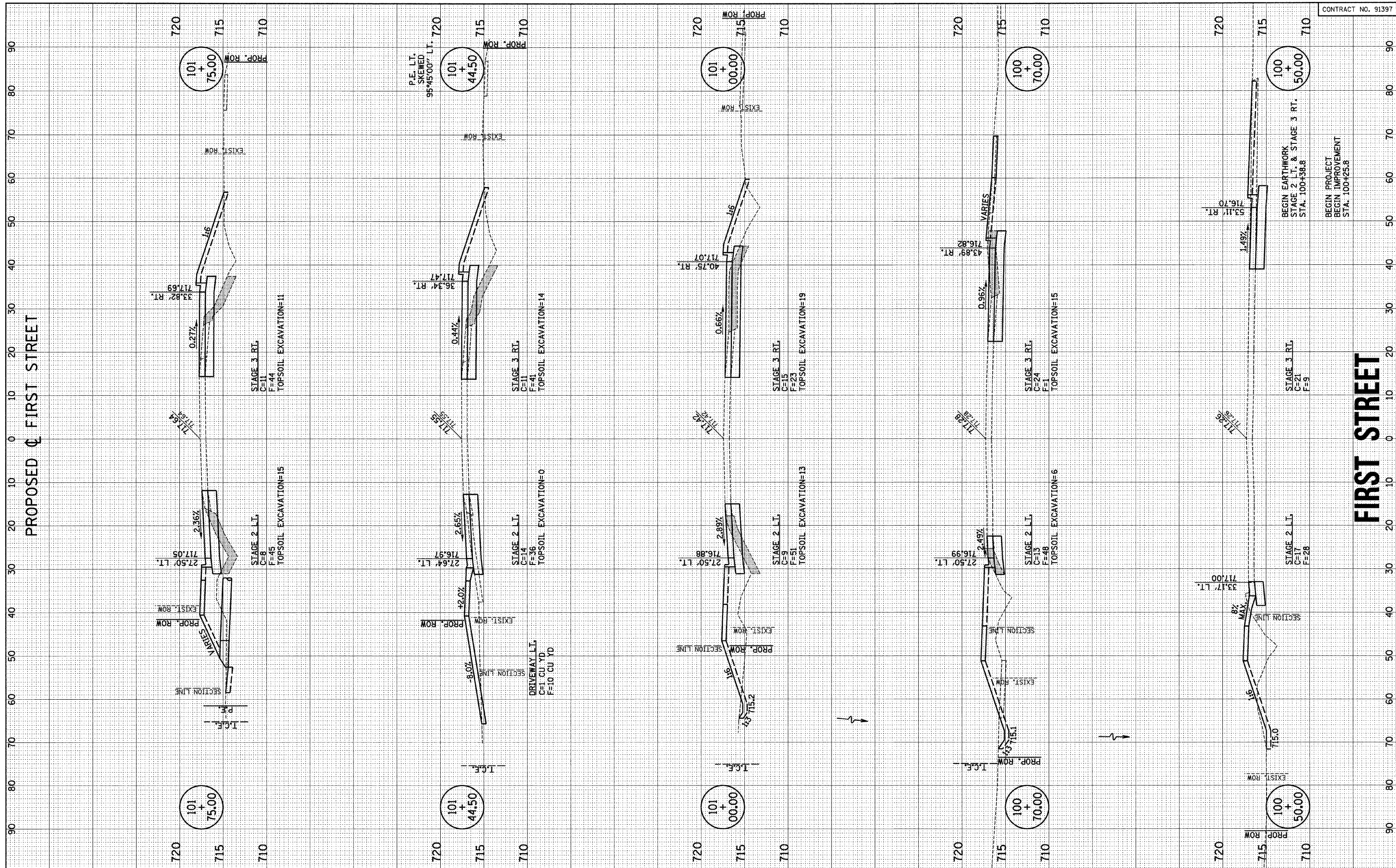
CROSS SECTIONS - TEMPORARY PAVEMENT

SCALE: 1" = 10' HOR, 1" = 5' VERT | SHEET NO. 39 OF 44 SHEETS | STA. 105+70.00 TO STA. 105+98.00

F.A.U. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7170	08-00277-00-PV	CHAMPAIGN	44	39
CONTRACT NO. 91397			ILLINOIS FED. AID PROJECT HD-5181 (044)	

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
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ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	NO. 1		



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DRAWN - J.L.B.	REVISED -
CHECKED - J.T.P.	REVISED -
DATE - 2-09	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

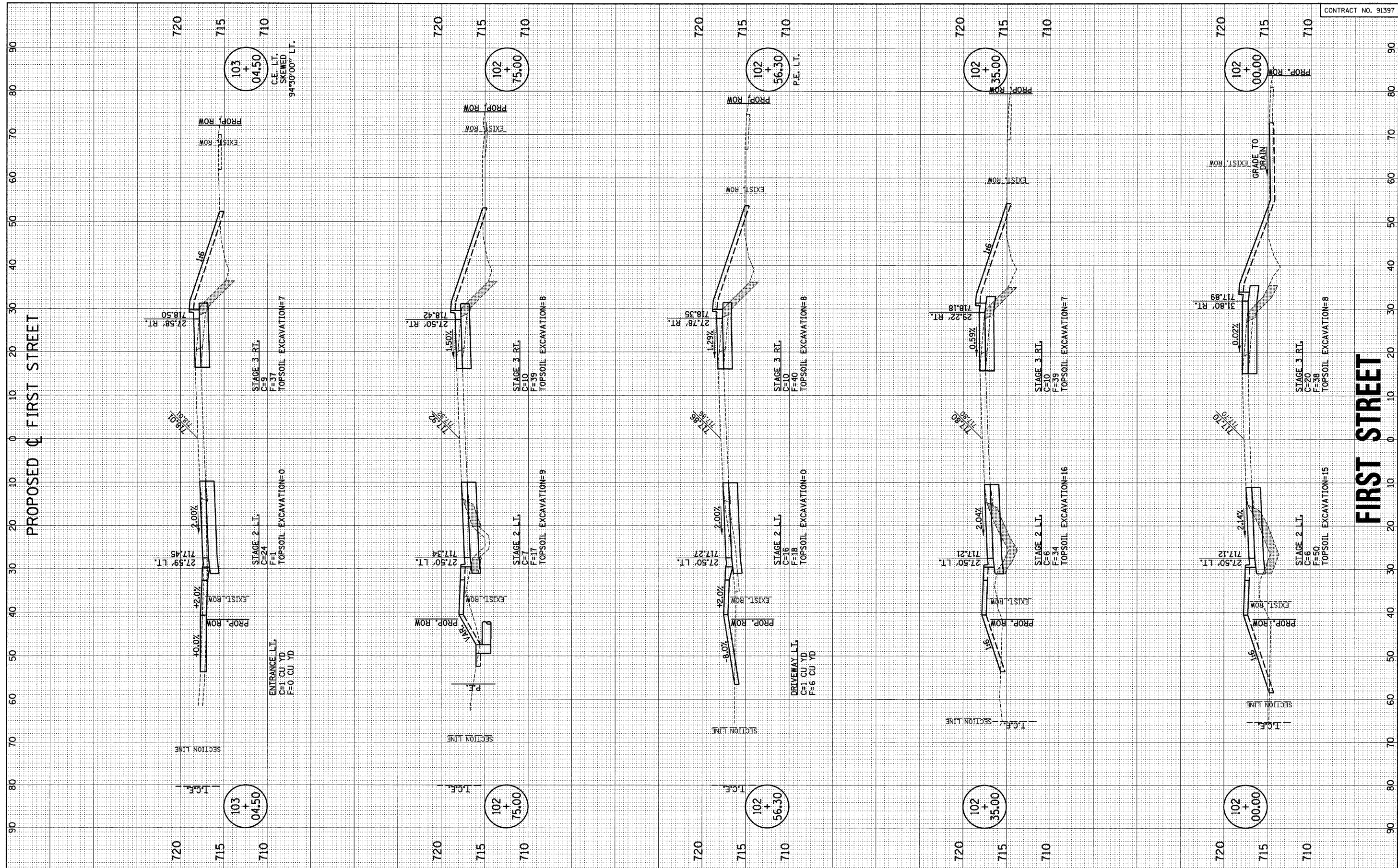
CROSS SECTIONS - FIRST STREET  
 SCALE: 1" = 10' HOR, 1" = 5' VERT  
 SHEET NO. 40 OF 44 SHEETS  
 STA. 100+50.00 TO STA. 101+75.00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7170	08-00277-00-PV	CHAMPAIGN	44	40
CONTRACT NO. 91397			ILLINOIS FED. AID PROJECT HD-5181 (044)	



FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS CHECKED	



PROPOSED  $\phi$  FIRST STREET

FIRST STREET

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DRAWN - J.L.B.	REVISED -
CHECKED - J.T.P.	REVISED -
DATE - 2-09	REVISED -

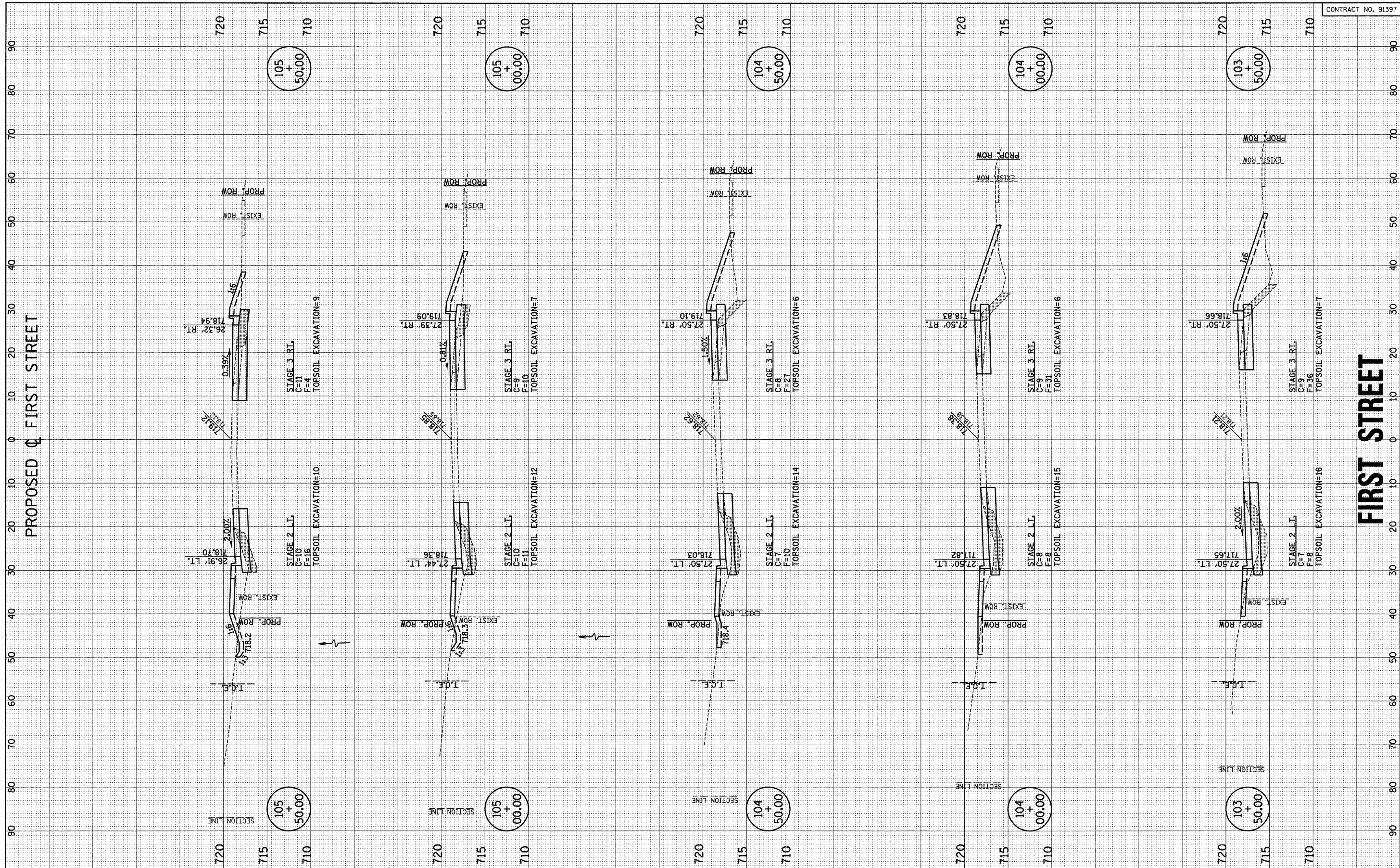
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - FIRST STREET  
 SCALE: 1" = 10' HOR, 1" = 5' VERT  
 SHEET NO. 41 OF 44 SHEETS  
 STA. 102+00.00 TO STA. 103+04.50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7170	08-00277-00-PV	CHAMPAIGN	44	41
CONTRACT NO. 91397				
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT HD-5181 (044)	

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS CHECKED	



PROPOSED  $\phi$  FIRST STREET

FIRST STREET

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DRAWN -	J.L.B.	REVISED -	
CHECKED -	J.T.P.	REVISED -	
DATE -	2-09	REVISED -	

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - FIRST STREET

SCALE: 1" = 10' HOR VERT SHEET NO. 42 OF 44 SHEETS STA. 103+50.00 TO STA. 105+50.00

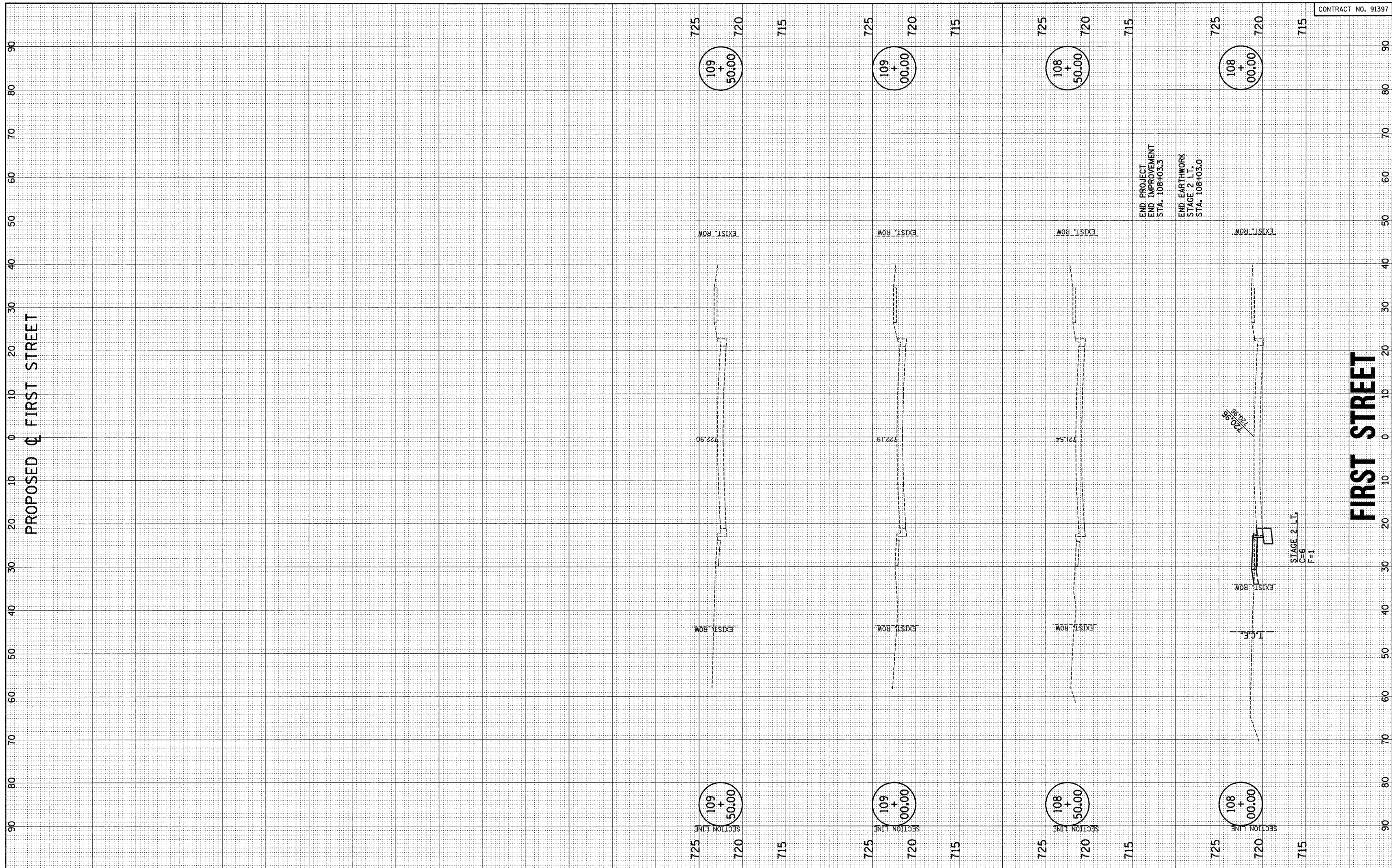
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7170	08-00277-00-PV	CHAMPAIGN	44	42
CONTRACT NO. 91397				
ILLINOIS FED. AID PROJECT HD-5181 (044)				





FINAL SURVEY	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	



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DRAWN -	J.L.B.	REVISED -	
CHECKED -	J.T.P.	REVISED -	
DATE -	2-09	REVISED -	

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS - FIRST STREET

SCALE: 1" = 10' HOR, 1" = 5' VERT | SHEET NO. 44 OF 44 SHEETS | STA. 108+00.00 TO STA. 109+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
7170	08-00277-00-PV	CHAMPAIGN	44	44
CONTRACT NO. 91397				
ILLINOIS FED. AID PROJECT HD-5181 (044)				