11-6-09 Letting, Item 184

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	1
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

INDEX OF SHEETS

ILLINOIS HIGHWAY STANDARD DRAWINGS
(SEE SHEET NO. 3)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

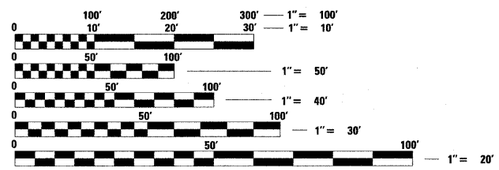
PLANS FOR PROPOSED STREET IMPROVEMENTS

SURFACE TRANSPORTATION URBAN PROGRAM

CITY OF BLOOMINGTON, ILLINOIS
McLEAN COUNTY
SECTION NO. 93-00295-03-PV PROJECT NO. ARA-M-5227(46)
JOB NO. C-95-337-05

HAMILTON ROAD-F.A.U. RTE. 6371
U.S. ROUTE 51 (MAIN ST.)-F.A.P. RTE. 730

SCALES		
	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

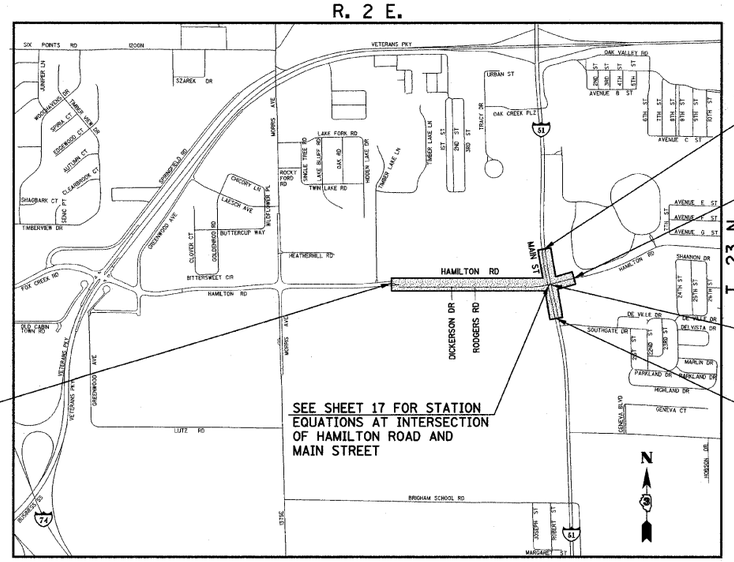


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES, REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

CONTRACT NO. 91351

R. 2 E.



BEGIN IMPROVEMENTS
MAIN STREET
STA. 294+16.00

END IMPROVEMENTS
HAMILTON ROAD
STA. 501+57.00

HAMILTON ROAD
PAVING OMISSION
STA. 262+55.04 TO
STA. 500+47.01

END IMPROVEMENTS
MAIN STREET
STA. 303+68.00

BEGIN IMPROVEMENTS
HAMILTON ROAD
STA. 240+90.00

SEE SHEET 17 FOR STATION EQUATIONS AT INTERSECTION OF HAMILTON ROAD AND MAIN STREET

LOCATION MAP
SCALE : 1" = 1000'
0 0.25 0.50 0.75 1.00
MILES

TOTAL LENGTH OF HAMILTON ROAD IMPROVEMENT = 2,275 FEET = 0.43 MILES
TOTAL LENGTH OF U.S. ROUTE 51 (MAIN ST.) IMPROVEMENT = 952 FEET = 0.18 MILES
TOTAL LENGTH OF IMPROVEMENTS = 3,227 FEET = 0.61 MILES

LOCATION OF SECTION INDICATED THUS:-

CITY OF BLOOMINGTON

APPROVED June 29 20 09
Russ Waltz
DIRECTOR OF ENGINEERING

PASSED 7/20 20 09
DISTRICT FIVE ENGINEER OF LOCAL ROADS & STREETS

Releasing For Bid Based on Limited Review 07/20 20 09
DEPUTY DIRECTOR OF HIGHWAYS, REGION THREE ENGINEER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DESIGN DESIGNATION
HAMILTON ROAD
1986 (28) MINOR ARTERIAL 1.20 (PCC 20)

MAIN STREET
2765 (28) COLLECTOR 6.01 (PCC 20)

FOR STREET FUNCTIONAL CLASSIFICATIONS AND AVERAGE DAILY TRAFFIC VOLUMES SEE TYPICAL SECTION SHEETS.

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

PROFESSIONAL ENGINEER
CLARK DIETZ, INC.
DATE : 23 JUN 09
LICENSE EXPIRES 11-30-09

JERALD T. PAYONK
062-045175
REGISTERED PROFESSIONAL ENGINEER
OF
ILLINOIS

Clark Dietz ENGINEERS
DESIGN FIRM REGISTRATION No. 184-000450
1817 SOUTH NEIL STREET
SUITE 100
CHAMPAIGN, IL 61820
PHONE : 217.373.8900
FAX : 217.373.8923

GENERAL NOTES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	2
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

1. ALL ELEVATIONS SHOWN ARE REFERRED TO THE N.A.V.D. 88 DATUM (N.G.S. MONUMENT "SUNNY RESET 2004" ELEVATION 855.34 NEAR THE INTERSECTION OF HAMILTON ROAD AND VETERANS PARKWAY WAS USED TO ESTABLISH BENCHMARK ELEVATIONS).

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 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 SHEET 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.

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. ALL EXISTING SIGNS LOCATED ON PUBLIC RIGHT-OF-WAY WHICH INTERFERE WITH THE WORK SHALL BE REMOVED BY THE CITY OF BLOOMINGTON UNLESS DIRECTED OTHERWISE BY THE ENGINEER. THE CITY WILL REMOVE AND REPLACE ANY SIGN INSTALLATION AT NO CHARGE TO THE CONTRACTOR PROVIDING THE CONTRACTOR PROVIDES THE ENGINEER WITH NOT LESS THAN TWO (2) WORKING DAYS NOTICE FOR SIGN REMOVAL. THE ENGINEER WILL NOTIFY THE CITY OF BLOOMINGTON FOR SIGN REMOVAL. IF THE ENGINEER DIRECTS THE CONTRACTOR TO REMOVE SIGNS THE WORK SHALL BE IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS. ANY CONTRACTOR OR PRIVATE PARTY REMOVING ANY SIGN WILL BE BILLED FOR THE REPLACEMENT COSTS ASSOCIATED WITH THE REINSTALLATION OF THE SIGN AND MAY BE CHARGED WITH A VIOLATION OF ILLINOIS VEHICLE CODE 11-311.

11. EXISTING MAILBOXES SHALL BE REMOVED AND RESET AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE DONE IN ACCORDANCE WITH ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS.

12. 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 EXCAVATED MATERIALS IN EMBANKMENTS. THE REMAINING EXCAVATION IS CLASSIFIED AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL, TOPSOIL EXCAVATION AND PLACEMENT, CURB AND GUTTER REMOVAL, PAVEMENT REMOVAL, DRIVEWAY PAVEMENT REMOVAL, SIDEWALK REMOVAL, AND MEDIAN REMOVAL.

13. IT WILL BE NECESSARY TO UNDERCUT AND REMOVE EARTH AND ORGANIC MATERIAL AT LOCATIONS SHOWN ON THE PLANS. ALL UNSTABLE, UNSUITABLE, OR ORGANIC MATERIAL SHALL BE DISPOSED OF OFF THE SITE AS APPROVED BY THE ENGINEER. A TOKEN QUANTITY FOR REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL AND FOR GEOTECHNICAL FABRIC FOR GROUND STABILIZATION HAS BEEN PROVIDED TO ESTABLISH UNIT PRICES FOR THESE ITEMS. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION. THIS WORK SHALL BE MEASURED AND PAID FOR AS "REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL" AND "GEOTECHNICAL FABRIC FOR GROUND STABILIZATION" IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

14. THE FINISHED EARTHWORK SHALL HAVE VEGETATIVE SUSTAINING SOIL COVERING THE TOP 4 INCHES IN AREAS TO BE SODDED OR SEEDED. THE TOPSOIL REQUIRED WILL BE PAID FOR PER CUBIC YARD FOR TOPSOIL EXCAVATION AND PLACEMENT.

15. ONLY EXISTING PAVEMENT, BASE COURSES AND DRIVEWAY PAVEMENTS COMPOSED OF PORTLAND CEMENT CONCRETE OR HOT-MIX ASPHALT SHALL BE MEASURED AND PAID FOR AS "PAVEMENT REMOVAL" AND "DRIVEWAY PAVEMENT REMOVAL" IN ACCORDANCE WITH SECTION 440 OF THE STANDARD SPECIFICATIONS. REMOVAL OF OTHER TYPES OF PAVEMENT COMPOSITION SUCH AS AGGREGATE OR OIL AND CHIP SHALL BE MEASURED AND PAID FOR AS "EARTH EXCAVATION" IN ACCORDANCE WITH SECTION 202 OF THE STANDARD SPECIFICATIONS.

16. 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.

17. 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.

18. 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 AND AS DESCRIBED IN THE SPECIAL PROVISIONS. PRUNING OF BRANCHES AND ROOTS SHALL BE DONE AS DIRECTED BY THE ENGINEER AND SHALL BE IN ACCORDANCE WITH SECTION 201 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR UNNECESSARY DAMAGE TO TREES, SHRUBS, OR LANDSCAPING INTENDED TO BE SAVED. THE ENGINEER SHALL BE THE SOLE JUDGE OF THE VALUE OF THE DAMAGED PLANT OR LANDSCAPE MATERIAL.

19. ALL DISTURBED AREAS SHALL BE SODDED OR SEEDED AS SHOWN ON THE PLANS. SEEDING OF PUBLIC RIGHT OF WAY, PERMANENT EASEMENTS, OR TEMPORARY CONSTRUCTION EASEMENTS SHALL BE CLASS 1A AND MULCH, METHOD 3. SEEDING 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 AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

20. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HOT-MIX ASPHALT LIFTS.

21. THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES:

BITUMINOUS PRIME COAT - PAVED SURFACE	0.05 TO 0.10 GAL/SQ YD
- AGGREGATE BASE	0.25 TO 0.50 GAL/SQ YD
AGGREGATE PRIME COAT - PAVED SURFACE	4 LBS/SQ YD
HOT-MIX ASPHALT (ALL TYPES)	112 LBS/SQ YD/INCH THICK
AGGREGATE MATERIALS	2.05 TON/CU YD

22. 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. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THEIR EXACT LOCATION AND TO PROTECT SAME. THE CONTRACTOR WILL ALSO BE RESPONSIBLE FOR AVOIDING CONFLICTS BETWEEN OVERHEAD UTILITY LINES AND THE EQUIPMENT USED FOR EXCAVATING.

23. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.

24. 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. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED.

25. UTILITY OWNERS:
*INDICATES J.U.L.I.E. MEMBER

*CITY OF BLOOMINGTON
401 S. EAST ST.
BLOOMINGTON, ILLINOIS 61701
(309) 434-2225

BLOOMINGTON-NORMAL WATER RECLAMATION DIST.
P.O. BOX 3307
BLOOMINGTON, ILLINOIS 61702-3307
(309) 827-4396

*BLOOMINGTON TOWNSHIP WATER DIST.
P.O. BOX 702
BLOOMINGTON, ILLINOIS 61702
(309) 823-0211

*NICOR GAS
3000 E. CASS ST.
JOLIET, ILLINOIS 60432
(815) 740-4100

*CORNBELT ENERGY CORP.
P.O. BOX 816
1 ENERGY WAY
BLOOMINGTON, ILLINOIS 61704
(309) 662-5330

*AMEREN IP
501 E. LAFAYETTE ST.
BLOOMINGTON, ILLINOIS 61701
(309) 823-9271

COMCAST
1202 W. DIVISION ST.
NORMAL, ILLINOIS 61761
(888) 736-6612

*VERIZON
2319 W. MARKET ST.
BLOOMINGTON, ILLINOIS 61701
(309) 827-1610

*AT&T
866 ROCK CREEK ROAD
PLANO, ILLINOIS 60545

*MCI
DEPT. 42864 LOC. 107
2400 NORTH GLENVILLE
RICHARDSON, TEXAS 75082
(708) 458-6410

*SPRINT
5600 N. RIVER ROAD
ROSEMONT, ILLINOIS 60018
(847) 318-3446

*LEVEL 3 COMMUNICATIONS
17W705 BUTTERFIELD ROAD
SUITE G
OAKBROOK TERRACE, ILLINOIS 60532
(630) 620-8942

26. 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 INCLUDED IN THE COST OF THE EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

27. ALL SALVAGEABLE FRAMES AND GRATES WHICH ARE NOT INCORPORATED IN THE WORK SHALL BECOME THE PROPERTY OF THE CITY OF BLOOMINGTON. THE FRAMES AND GRATES SHALL BE STORED ON THE SITE FOR PICKUP BY THE CITY.

28. BEFORE INSTALLATION OF ANY PROPOSED PIPE ABOVE THE EXISTING GROUND SURFACE, COMPACTED FILL SHALL BE PLACED TO A MINIMUM OF THREE FEET ABOVE THE PROPOSED TOP OF PIPE ELEVATION. TRENCHES SHALL THEN BE EXCAVATED IN THE COMPACTED FILL FOR THE PIPE INSTALLATION.

29. ALL TRENCHES AND EXCAVATIONS FOR DRAINAGE PIPES, SANITARY SEWERS, WATER MAINS AND STRUCTURES OR STRUCTURE REMOVALS BELOW OR WITHIN TWO FEET LATERALLY OF THE PROPOSED PAVEMENT, DRIVEWAY PAVEMENT, SIDEWALK, OR CURB AND GUTTER, SHALL BE BACKFILLED WITH TRENCH BACKFILL AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH SECTION 208 OF THE STANDARD SPECIFICATIONS. THE BACKFILLING AROUND DRAINAGE STRUCTURES WILL NOT BE MEASURED FOR PAYMENT AS DESCRIBED IN ARTICLE 602.12 OF THE STANDARD SPECIFICATIONS.

30. 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 SECTION 40-2.01 OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS. PVC PIPE WILL NOT BE ALLOWED.

31. 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.

32. THE TOP-OF-FRAME ELEVATIONS REFERRED TO IN THE DRAINAGE STRUCTURE CALL-OUTS FOR A TYPE 3 FRAME AND GRATE OR THE SPECIAL FRAME AND GRATES PROVIDED WITH TYPE H INLETS PLACED WITHIN TYPE B-6.18 OR B-6.24 CURB AND GUTTER ARE TAKEN ALONG THE EDGE OF FRAME WHICH IS ADJACENT TO THE EDGE OF PAVEMENT. FOR P.C. CONCRETE PAVEMENTS THIS FRAME ELEVATION IS THUS EQUAL TO THE ADJACENT EDGE OF PAVEMENT ELEVATION FOR TYPE B-6.18 CURB AND GUTTER AND 0.03 FOOT LOWER THAN THE ADJACENT EDGE OF PAVEMENT ELEVATION FOR TYPE B-6.24 CURB AND GUTTER. FOR HOT-MIX ASPHALT PAVEMENTS THIS FRAME ELEVATION IS THUS 0.02 FOOT LOWER THAN THE ADJACENT EDGE OF PAVEMENT FOR TYPE B-6.18 CURB AND GUTTER AND 0.05 FOOT LOWER THAN THE ADJACENT EDGE OF PAVEMENT TYPE B-6.24 CURB AND GUTTER. BOTH TYPES OF FRAME AND GRATES SHALL ALSO BE PROVIDED WITH OPEN FACE CURB BOXES AS DESCRIBED IN THE SPECIAL PROVISIONS. SEE THE DRAINAGE STRUCTURE FRAME AND GRATE DETAILS ON THE MISCELLANEOUS DETAIL SHEETS.

33. THE TOP-OF-FRAME ELEVATIONS REFERRED TO IN THE DRAINAGE STRUCTURE CALL-OUTS FOR TYPE 8 AND 37M GRATES ARE TAKEN TO THE ADJACENT GROUND SURFACE.

34. 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 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.

35. 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. 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.

36. 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.

37. 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.

38. WHERE THE PROPOSED COMBINATION CONCRETE CURB AND GUTTER JOINS THE EXISTING CURB AND GUTTER, A TRANSITION TO THE EXISTING CURB AND GUTTER MAY BE REQUIRED. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED CURB AND GUTTER.

39. THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO WEIGHTED SAND BAGS ON EACH TYPE II BARRICADE USED. (ONE WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL)

40. FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF EIGHT SAND BAGS PER BARRICADE.

41. THE CITY OF BLOOMINGTON HAS ACQUIRED A N.P.D.E.S. MS4 PERMIT FOR THIS PROJECT FOR EROSION AND SEDIMENT CONTROL. TO SATISFY THE REQUIREMENTS OF THIS PERMIT, THE CONTRACTOR WILL BE REQUIRED TO PROVIDE TEMPORARY EROSION CONTROL SEEDING, 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.

42. THE CONTRACTOR'S COST OF ABIDING BY THE PROVISIONS OF PERMITS ISSUED BY VARIOUS AGENCIES SHALL BE CONSIDERED INCLUDED IN THE VARIOUS PAY ITEMS OF THE CONTRACT. ALL ASSOCIATED BONDING REQUIREMENTS AND COSTS SHALL ALSO BE INCLUDED IN THE VARIOUS PAY ITEMS OF THE CONTRACT. THE FOLLOWING IS A LIST OF PERMITS THAT WILL BE REQUIRED FOR THIS PROJECT AND THE AGENCY RESPONSIBLE FOR ACQUIRING THE PERMIT. COPIES OF THE PERMITS MAY BE INCLUDED IN THE SPECIAL PROVISIONS OR ARE AVAILABLE FOR VIEWING AT THE OFFICE OF THE DIRECTOR OF ENGINEERING FOR THE CITY OF BLOOMINGTON.

TYPE OF PERMIT	ACQUIRING AGENCY
N.P.D.E.S.	CITY OF BLOOMINGTON
I.E.P.A. WATER POLLUTION CONTROL (SANITARY SEWERS)	CITY OF BLOOMINGTON
I.E.P.A. DIVISION OF PUBLIC WATER SUPPLIES (WATER MAINS)	CITY OF BLOOMINGTON
MCLEAN COUNTY HEALTH DEPARTMENT (NOTIFICATION OF REMOVING SEPTIC TANKS OR FILLING WELLS)	CONTRACTOR

43. 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.

44. A PORTION OF THE PROJECT IS FUNDED WITH FUNDS OTHER THAN FEDERAL AID AND IS CONSIDERED AS NON-PARTICIPATING WORK. THE QUANTITIES FOR THE NON-PARTICIPATING PAY ITEMS HAVE BEEN SEGREGATED ON THE SUMMARY OF QUANTITY SHEETS. THE FOLLOWING ARE THE LOCATIONS FOR THE NON-PARTICIPATING WORK :

WATER MAINS (EXCEPT FOR MODIFICATIONS TO EXISTING FACILITIES)
SANITARY SEWERS (EXCEPT FOR MODIFICATIONS TO EXISTING FACILITIES)

45. THE CITY OF BLOOMINGTON 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 BLOOMINGTON OF ALL ROAD CLOSURES AND DETOURS A MINIMUM OF 48 HOURS IN ADVANCE SO THAT NOTIFICATION CAN BE GIVEN.

46. THE EXISTING RIGHT-OF-WAY MARKERS THAT INTERFERE WITH THE PROPOSED IMPROVEMENTS AT THE LOCATIONS SHOWN ON THE PLANS SHALL BE REMOVED AND DISPOSED OF OFF-SITE BY THE CONTRACTOR. THE COST OF REMOVING AND DISPOSING OF THE MARKERS SHALL BE CONSIDERED AS INCLUDED IN THE UNIT PRICES OF THE CONTRACT AND NO ADDITIONAL PAYMENT WILL BE ALLOWED.

47. 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.

48. ALL CONSTRUCTION RELATED TO THE INSTALLATION OF THE SANITARY SEWER EXTENSION SHALL BE IN ACCORDANCE WITH THE FOLLOWING SECTIONS FROM THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", CURRENT EDITION. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.

A. SANITARY SEWER INSTALLATION SHALL BE IN ACCORDANCE WITH DIVISION II, SECTION 20 AND DIVISION III, SECTION 31.

B. SANITARY SEWER PIPE MATERIALS SHALL BE POLYVINYL CHLORIDE (PVC) ASTM D 2241, TYPE PSM WITH ELASTOMERIC JOINTS MEETING ASTM F 477. MINIMUM PVC PIPE SDR IS 21.

C. SANITARY SEWER PIPE TESTING SHALL BE IN ACCORDANCE WITH DIVISION III, SECTION 31.

D. MANHOLES FOR SANITARY SEWER EXTENSION SHALL BE IN ACCORDANCE WITH DIVISION III, SECTION 32.

E. SANITARY SEWER SERVICE CONNECTIONS SHALL BE IN ACCORDANCE WITH DIVISION III, SECTION 34.

F. HORIZONTAL AND VERTICAL SEPARATION BETWEEN WATER MAIN AND SANITARY SEWERS SHALL BE IN ACCORDANCE WITH DIVISION IV, SECTION 41, PARAGRAPH 2.01.

49. THE CITY OF BLOOMINGTON PARKS DEPARTMENT WILL BE INSTALLING UNDERGROUND CONDUITS AND CONTROL WIRING FROM THE GOLF COURSE CLUBHOUSE TO THE SOCCER FIELDS IRRIGATION SYSTEM DURING CONSTRUCTION. THIS WORK WILL BE DONE AFTER THE EXISTING HAMILTON ROAD PAVEMENT HAS BEEN REMOVED BY THE CONTRACTOR. THE CONTRACTOR SHALL COOPERATE WITH THE CITY'S EMPLOYEES WHILE THIS WORK IS PERFORMED. ANY INCONVENIENCE OR DELAYS WILL NOT BE PAID FOR SEPARATELY AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

DATE : 6-09
DRAWN BY : JL.B.
CHECKED BY : R.L.H.
SCALE : NONE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	3
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

ILLINOIS HIGHWAY STANDARD DRAWINGS

STANDARD NO.	DESCRIPTION
000001-05	STANDARDS SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-04	TEMPORARY EROSION CONTROL SYSTEMS
420001-07	PAVEMENT JOINTS
420101-04	24' JOINTED PCC PAVEMENT
420106-04	36' JOINTED PCC PAVEMENT
420111-02	PCC PAVEMENT ROUNDOUTS
424001-05	CURB RAMPS FOR SIDEWALKS
442101-07	CLASS B PATCHES
442201-03	CLASS C AND D PATCHES
602301-02	INLET, TYPE A
602306-02	INLET, TYPE B
602401-02	MANHOLE, TYPE A
602406-03	MANHOLE, TYPE A (6') DIAMETER
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-03	FRAME AND LIDS, TYPE 1
604006-04	FRAME AND GRATE, TYPE 3
604036-02	GRATE, TYPE 8
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
664001-02	CHAIN LINK FENCE
667101-01	PERMANENT SURVEY MARKERS
701301-03	LANE CLOSURE 2L, 2W SHORT TIME OPERATIONS
701501-05	URBAN LANE CLOSURE 2L, 2W UNDIVIDED
701601-06	URBAN LANE CLOSURE MULTILANE 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-06	URBAN LANE CLOSURE MULTILANE 2W WITH MOUNTABLE MEDIAN
701701-06	URBAN LANE CLOSURE MULTILANE INTERSECTION
701801-04	LANE CLOSURE MULTILANE, 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES
720016-02	MAST ARM MOUNTED STREET NAME SIGNS
780001-02	TYPICAL PAVEMENT MARKINGS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-02	CONCRETE HANDHOLES
814006-02	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
876001-01	PEDESTRIAN PUSH BUTTON POST
877011-04	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16' TROUGH 55'
878001-07	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS
BLR 21-8	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
BLR 22-6	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS (TWO LANE, TWO WAY RURAL TRAFFIC) (ROAD CLOSED TO THRU TRAFFIC)

LEGEND

EXISTING		PROPOSED
W	WATER LINE	W16"
IRRW	IRRIGATION WATER LINE	
G	GAS LINE	
OHE	OVERHEAD ELECTRIC	
UGE	UNDERGROUND ELECTRIC	
OHT	OVERHEAD TELEPHONE	
UGT	UNDERGROUND TELEPHONE	
UGT(FO)	UNDERGROUND TELEPHONE (FIBER OPTIC)	
CATV	CABLE TELEVISION	
COM	COMMUNICATION LINE	
FO	FIBER OPTIC LINE	
STM	STEAM LINE	
FM	FORCE MAIN	
	SANITARY SEWER	
	STORM SEWER	
	STORM SEWER WATER MAIN QUALITY	
	INLET OR CATCH BASIN	
	MANHOLE	
	UTILITY WARNING SIGN	
W G	SERVICE BOX SHUTOFF	
	VALVE	
W	WATER MANHOLE	
W	WATER METER	
	FIRE HYDRANT	
G	GAS METER	
GR	GAS REGULATOR	
	GAS VENT PIPE	
E	ELECTRIC MANHOLE	
E	ELECTRIC METER	
E	ELECTRIC PEDESTAL	
E	ELECTRIC JUNCTION BOX	
	POWER POLE	
	POWER POLE W/LIGHT	
	POWER POLE W/TRANSFORMER	
	ROADWAY LIGHT CONTROLLER	
	ROADWAY STREET LIGHT	
	ORNAMENTAL STREET LIGHT	
	GUY POLE	
	GUY WIRE	
	TELEPHONE POLE	
T	TELEPHONE MANHOLE	
T	TELEPHONE PEDESTAL	
	PEDESTAL PAY PHONE	
	PHONE BOOTH	

EXISTING		PROPOSED
	MONUMENT	
	IRON PIN/PIPE FOUND	
	RIGHT-OF-WAY MARKER	
	SOIL BORING	
	TRAFFIC SIGNAL CONTROL BOX	
	TRAFFIC SIGNAL POST	
	TRAFFIC SIGNAL MAST ARM	
	PEDESTRIAN PUSH BUTTON POST	
	TRAFFIC SIGNAL HANDHOLE	
	TRAFFIC SIGNAL JUNCTION BOX	
	RR CROSSING GATE	
	RR FLASHING SIGNAL	
	RR CROSSBUCK	
	STREET SIGN	
	TRAFFIC SIGN	
	DELINEATOR	
	PARKING LOT LIGHT	
	YARD LIGHT	
	MAILBOX	
	PARKING METER	
	IRRIGATION CONTROL BOX	
	IRRIGATION HEAD	
	TANK FILLER CAP	
	INSPECTION WELL	
CO	CLEANOUT	
DS	DOWNSPOUT	
	BOLLARD	
	FENCE POST	
	GATE POST	
	FLAG POLE	
	FLOOD LIGHT	
	TREE STUMP	
	BUSH	
	CONIFEROUS TREE	
	DECIDUOUS TREE	
	PROPERTY PARCEL NUMBER	001
*200	HOUSE ADDRESS NUMBER	

ILLINOIS DEPARTMENT OF TRANSPORTATION

HIGHWAY STANDARDS AND LEGEND

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : NONE

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CITY OF BLOOMINGTON SECTION NO. 93-00295-03-PV MCLEAN COUNTY

SHEET 3 OF 109 SHEETS B0110094

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	4
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

SUMMARY OF QUANTITIES

		SUMMARY OF QUANTITIES			SAFETY CODE	2A	2A	1F		
					CONSTRUCTION CODE	J000	I000	Y031	Y060	Y060
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	HAMILTON ROAD (CITY)	MAIN STREET (CITY)	TRAFFIC SIGNALS (CITY & STATE)	WATER MAIN** CITY	SANITARY SEWER** CITY
*	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	92	74	18			
*	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	66	66				
△	20101200	TREE ROOT PRUNING	EACH	8	8				
△	20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	8	8				
	20200100	EARTH EXCAVATION	CU YD	12726	11350	1376			
*	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	650	575	75			
	20800150	TRENCH BACKFILL	CU YD	6622	2530	34		944	3114
*	20900330	GRANULAR BACKFILL	TON	1333	1179	154			
*	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1950	1725	225			
△*	21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	2255	2151	104			
△*	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	500	500				
△*	25000110	SEEDING, CLASS 1A	ACRE	4.2	4.0	0.2			
△	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	378	360	18			
△	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	378	360	18			
△	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	378	360	18			
△*	25100125	MULCH, METHOD 3	ACRE	3.2	3.0	0.2			
△*	25100630	EROSION CONTROL BLANKET	SQ YD	5000	5000				
△	25200100	SODDING	SQ YD	50	50				
△	25200200	SUPPLEMENTAL WATERING	UNIT	1	1				
*	25300910	SALVAGING AND TRANSPLANTING TREES, SPECIAL	EACH	3	3				
△*	28000255	TEMPORARY EROSION CONTROL SEEDING	ACRE	4.2	4.0	0.2			
	28000400	PERIMETER EROSION BARRIER	FOOT	3675	3335	340			
	28000500	INLET AND PIPE PROTECTION	EACH	4	4				
*	28000510	INLET FILTERS	EACH	53	44	9			
	31200500	STABILIZED SUB-BASE - HOT-MIX ASPHALT, 4"	SQ YD	15153	15153				
	35100500	AGGREGATE BASE COURSE, TYPE A 6"	SQ YD	2817	2817				
	35101100	AGGREGATE BASE COURSE, TYPE A 12"	SQ YD	16878	15153	1725			
	35300400	PORTLAND CEMENT CONCRETE BASE COURSE 9"	SQ YD	1250		1250			
	35800100	PREPARATION OF BASE	SQ YD	900	900				
	40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	450	426	24			
*	40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	405	390	15			
	40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	980	740	240			
	40600300	AGGREGATE (PRIME COAT)	TON	5		5			
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	1	1				
	40600845	POLYMERIZED LEVELING BINDER (MACHINE METHOD), N90	TON	128		128			

*SEE SPECIAL PROVISIONS
**NON-PARTICIPATING WORK
△ SPECIALTY ITEMS

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : NONE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	5
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

SUMMARY OF QUANTITIES

		SAFETY CODE		2A	2A	1F		
	SUMMARY OF QUANTITIES	CONSTRUCTION CODE		J000	I000	Y031	Y060	Y060
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	HAMILTON ROAD (CITY)	MAIN STREET (CITY)	TRAFFIC SIGNALS (CITY & STATE)	WATER MAIN** CITY	SANITARY SEWER** CITY
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	64	64				
* 40600990	TEMPORARY RAMP	SQ YD	393	393				
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	330	330				
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	192		192			
* 42000301	PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)	SQ YD	13667	13667				
42001300	PROTECTIVE COAT	SQ YD	14926	14926				
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	415	415				
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	771	473	298			
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	14169	11976	2193			
* 42400800	DETECTABLE WARNINGS	SQ FT	80	32	48			
44000100	PAVEMENT REMOVAL	SQ YD	5914	5914				
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2½"	SQ YD	576		576			
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1516	1063	453			
44000300	CURB REMOVAL	FOOT	72		72			
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2196	986	1210			
44000600	SIDEWALK REMOVAL	SQ FT	2910	399	2511			
44003100	MEDIAN REMOVAL	SQ FT	473	98	375			
44200962	CLASS B PATCHES, TYPE III, 9 INCH	SQ YD	25				25	
44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	25				25	
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	1652	595	1057			
* 50105210	REMOVE EXISTING CULVERTS	FOOT	96	96				
* 54248515	CONCRETE COLLAR	EACH	15	9	6			
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	78	78				
550A0180	STORM SEWERS, CLASS A, TYPE 1 42"	FOOT	6	6				
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	1324	1316	8			
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	785	785				
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	16	6	10			
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	1051	1051				
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	653	653				
* 550B0010	STORM SEWERS, CLASS B, TYPE 1 4"	FOOT	20	20				
* 550B0030	STORM SEWERS, CLASS B, TYPE 1 8"	FOOT	89	89				
* 55100200	STORM SEWER REMOVAL 6"	FOOT	95	95				
* 55100500	STORM SEWER REMOVAL 12"	FOOT	285	275	10			
* 55100900	STORM SEWER REMOVAL 18"	FOOT	40	6	34			
* 55101800	STORM SEWER REMOVAL 42"	FOOT	6	6				

*SEE SPECIAL PROVISIONS
**NON-PARTICIPATING WORK

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : NONE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	6
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

SUMMARY OF QUANTITIES

		SUMMARY OF QUANTITIES	SAFETY CODE		2A	2A	1F		
			CONSTRUCTION CODE		J000	I000	Y031	Y060	Y060
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	HAMILTON ROAD (CITY)	MAIN STREET (CITY)	TRAFFIC SIGNALS (CITY & STATE)	WATER MAIN** CITY	SANITARY SEWER** CITY
△ *	56103400	DUCTILE IRON WATER MAIN 16"	FOOT	1925				1925	
△ *	56104400	WATER VALVES 1"	EACH	10				10	
△ *	56104600	WATER VALVES 2"	EACH	7		2		5	
△ *	56105000	WATER VALVES 8"	EACH	2				2	
△ *	56105760	BUTTERFLY VALVES 16"	EACH	4				4	
△ *	56109100	TAPPING VALVES AND SLEEVES 12"	EACH	1				1	
△ *	56200700	WATER SERVICE LINE 2"	FOOT	85		20		65	
△ *	56400100	FIRE HYDRANTS TO BE MOVED	EACH	1		1			
△ *	56400500	FIRE HYDRANTS TO BE REMOVED	EACH	5				5	
△ *	56400800	FIRE HYDRANT AND VALVE TO BE MOVED	EACH	1				1	
△ *	56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	6				6	
△ *	56500500	DOMESTIC METER VAULTS	EACH	1				1	
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5	5				
	60218500	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	1		1			
	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5	5				
*	60224600	RESTRICTED DEPTH MANHOLES, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5	4	1			
*	60225400	RESTRICTED DEPTH MANHOLES, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3				
△ *	60228000	MANHOLES, SANITARY	EACH	8					8
	60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	1	1				
	60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	3	1	2			
	60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	3	3				
	60240215	INLETS, TYPE B, TYPE 1 FRAME, CLOSED LID	EACH	3	3				
	60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	2	1	1			
*	60242850	INLETS, SPECIAL, TYPE H	EACH	42	42				
	60255500	MANHOLES TO BE ADJUSTED	EACH	3	1	2			
	60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	3	2	1			
*	60257600	MANHOLES TO BE ADJUSTED WITH FRAME AND GRATE (SPECIAL)	EACH	1		1			
	60260100	INLETS TO BE ADJUSTED	EACH	1		1			
	60266600	VALVE BOXES TO BE ADJUSTED	EACH	4		3		1	
	60500040	REMOVING MANHOLES	EACH	2	2				
	60500060	REMOVING INLETS	EACH	6	5	1			
*	60600505	CONCRETE CURB (SPECIAL)	FOOT	65		65			
	60600605	CONCRETE CURB, TYPE B	FOOT	56	56				
	60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	4534	4534				
*	60605400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (SPECIAL)	FOOT	1171		1171			

*SEE SPECIAL PROVISIONS
**NON-PARTICIPATING WORK
△ SPECIALTY ITEMS

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE : NONE

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	7
STA.		TO STA.		
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

SUMMARY OF QUANTITIES

		SUMMARY OF QUANTITIES			SAFETY CODE	2A	2A	1F		
					CONSTRUCTION CODE	J000	I000	Y031	Y060	Y060
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	HAMILTON ROAD (CITY)	MAIN STREET (CITY)	TRAFFIC SIGNALS (CITY & STATE)	WATER MAIN** CITY	SANITARY SEWER** CITY
*	60623100	CONCRETE MEDIAN, TYPE SM-6.12 (SPECIAL)	SQ FT	104		104			
*	66410400	CHAIN LINK FENCE TO BE REMOVED AND RE-ERECTED	FOOT	50	50				
*	66700105	PERMANENT SURVEY MARKERS (SPECIAL)	EACH	1		1			
	67100100	MOBILIZATION	L SUM	1	1				
*	70101800	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1				
*	70101835	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 22	L SUM	1	1				
*	70101855	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21 (SPECIAL)	L SUM	1	1				
*	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1				
*	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1		1			
*	70102665	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606, SPECIAL	L SUM	1	1				
*	70102670	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601, SPECIAL	L SUM	1		1			
*	70102675	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701, SPECIAL	L SUM	1		1			
	70300220	TEMPORARY PAVEMENT MARKING, - LINE 4"	FOOT	470	470				
	70300510	PAVEMENT MARKING TAPE, TYPE III-LETTERS AND SYMBOLS	SQ FT	188	188				
	70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	5948	5948				
	70300570	PAVEMENT MARKING TAPE, TYPE III 24"	FOOT	88	88				
	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	2347	2347				
	72000100	SIGN PANEL - TYPE 1	SQ FT	40			40		
	72000200	SIGN PANEL - TYPE 2	SQ FT	50			50		
△	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	156	31	125			
△	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	347		347			
△	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	848	216	632			
△	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	242	88	154			
△	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	83		83			
△	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	149	45	104			
△ *	78005100	EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	344	344				
△ *	78005130	EPOXY PAVEMENT MARKING - LINE 6"	FOOT	7973	7973				
△ *	78005140	EPOXY PAVEMENT MARKING - LINE 8"	FOOT	339	339				
△ *	78005150	EPOXY PAVEMENT MARKING - LINE 12"	FOOT	16	16				
△ *	78005180	EPOXY PAVEMENT MARKING - LINE 24"	FOOT	73	73				
	78300100	PAVEMENT MARKING REMOVAL	SQ FT	1056	779	277			
△ *	80501000	SERVICE INSTALLATION (SPECIAL)	EACH	1			1		
△ *	81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	591	130	321	140		
△ *	81017515	CONDUIT IN TRENCH, 1¼" DIA., COILABLE NONMETALLIC CONDUIT	FOOT	200			200		
△ *	81017525	CONDUIT IN TRENCH, 2" DIA., COILABLE NONMETALLIC CONDUIT	FOOT	1060			1060		

*SEE SPECIAL PROVISIONS
**NON-PARTICIPATING WORK
△ SPECIALTY ITEMS

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE : NONE

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	8
STA.		TO STA.		
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

SUMMARY OF QUANTITIES

		SUMMARY OF QUANTITIES	SAFETY CODE		2A	2A	1F		
			CONSTRUCTION CODE		J000	I000	Y031	Y060	Y060
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	HAMILTON ROAD (CITY)	MAIN STREET (CITY)	TRAFFIC SIGNALS (CITY & STATE)	WATER MAIN** CITY	SANITARY SEWER** CITY
△*	81017530	CONDUIT IN TRENCH, 2½" DIA., COILABLE NONMETALLIC CONDUIT	FOOT	160			160		
△*	81017535	CONDUIT IN TRENCH, 3" DIA., COILABLE NONMETALLIC CONDUIT	FOOT	47			47		
△*	81017555	CONDUIT IN TRENCH, 5" DIA., COILABLE NONMETALLIC CONDUIT	FOOT	10			10		
△*	81028060	CONDUIT, BORED AND PULLED, COILABLE NON-METALLIC CONDUIT 2"	FOOT	695			695		
△*	81028100	CONDUIT, BORED AND PULLED, COILABLE NON-METALLIC CONDUIT 4"	FOOT	230			230		
△*	81028120	CONDUIT, BORED AND PULLED, COILABLE NON-METALLIC CONDUIT 5"	FOOT	155			155		
△*	81306500	REMOVE EXISTING JUNCTION BOX	EACH	2			2		
△*	81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	15			15		
△*	81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1			1		
△*	81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1700			1700		
△	81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	581	130	321	130		
△	81900302	TRENCH AND BACKFILL WITH SCREENINGS OR SAND	FOOT	1490			1490		
△*	82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	4			4		
△*	83600110	LIGHT POLE FOUNDATION (SPECIAL)	EACH	3	2	1			
△	84200700	LIGHTING FOUNDATION REMOVAL	EACH	3	2	1			
△*	84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	3	2	1			
△*	85700305	FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL	EACH	1			1		
△*	86200200	UNINTERRUPTABLE POWER SUPPLY, STANDARD	EACH	1			1		
△*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1450			1450		
△*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1650			1650		
△*	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2375			2375		
△*	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2775			2775		
△*	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	11600			11600		
△*	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	75			75		
△*	87704188	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT. (SPECIAL)	EACH	4			4		
△	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	12			12		
△*	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4			4		
△*	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60			60		
△*	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	8			8		
△*	88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	6			6		
△*	88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	6			6		
△	88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	22			22		
△*	88600100	DETECTOR LOOP, TYPE I	FOOT	1900			1900		
△*	88700200	LIGHT DETECTOR	EACH	4			4		

*SEE SPECIAL PROVISIONS
**NON-PARTICIPATING WORK
△ SPECIALTY ITEMS

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : NONE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	9
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

SUMMARY OF QUANTITIES

		SUMMARY OF QUANTITIES	SAFETY CODE		2A	2A	1F		
			CONSTRUCTION CODE		J000	I000	Y031	Y060	Y060
	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	HAMILTON ROAD (CITY)	MAIN STREET (CITY)	TRAFFIC SIGNALS (CITY & STATE)	WATER MAIN** CITY	SANITARY SEWER** CITY
△	88700300	LIGHT DETECTOR AMPLIFIER	EACH	1			1		
△*	88800100	PEDESTRIAN PUSH-BUTTON	EACH	8			8		
△	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1			1		
△*	89502380	REMOVE EXISTING HANDHOLE	EACH	5			5		
△*	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9			9		
△	A2000116	TREE, ACER X FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	1	1				
△	A2007116	TREE, QUERCUS RUBRA (RED OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	2	2				
△	B2005216	TREE, MALUS SUTYZAM (SUGAR TYME CRAB APPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	3	3				
△	D2000148	EVERGREEN, ABIES CONCOLOR (WHITE FIR), 4' HEIGHT, BALLED AND BURLAPPED	EACH	7	7				
△	D2001748	EVERGREEN, PICEA ABIES (NORWAY SPRUCE), 4' HEIGHT, BALLED AND BURLAPPED	EACH	2	2				
△	D2002048	EVERGREEN, PICEA OMORIKA (SERBIAN SPRUCE), 4' HEIGHT, BALLED AND BURLAPPED	EACH	3	3				
*	X0321905	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	273	15	258			
*	X0321907	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 12"	FOOT	211	211				
*	X0321908	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 15"	FOOT	206	206				
*	X0323954	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 18"	FOOT	22		22			
*	X0325365	RESTRICTED DEPTH INLET TYPE B, TYPE 8 GRATE	EACH	1	1				
*	X0488100	REMOVING EXISTING SEPTIC TANK	EACH	2					2
△*	X0962500	REMOVING EXISTING TRAFFIC SIGNAL EQUIPMENT	L SUM	1			1		
*	X6020125	RESTRICTED DEPTH INLET TYPE B, TYPE 3 FRAME AND GRATE	EACH	3	1	2			
*	X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	14		14			
△*	X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	2225			2225		
△*	X8850106	INDUCTIVE LOOP DETECTOR, RACK MOUNTED	EACH	14			14		
△*	X8850107	INDUCTIVE LOOP DETECTOR, RACK MOUNT WITH SYSTEM OUTPUT	EACH	12			12		
*	XX000613	MODULAR BLOCK RETAINING WALL	SQ FT	1236	1236				
△*	XX002161	ABANDON EXISTING WATER MAIN	EACH	1				1	
△*	XX008170	WATER SERVICE DIRECTIONAL DRILLING 1" DIAMETER	FOOT	790				790	
*	XX004735	RESTRICTED DEPTH INLET TYPE B, TYPE 1 FRAME, CLOSED LID	EACH	1		1			
△*	XX005476	DUCTILE IRON WATER MAIN 12" RESTRAINED JOINT TYPE	FOOT	6				6	
△*	XX005478	DUCTILE IRON WATER MAIN 6" RESTRAINED JOINT TYPE	FOOT	20				20	
△*	XX005479	DUCTILE IRON WATER MAIN 8" RESTRAINED JOINT TYPE	FOOT	89				89	
△*	XX005480	DUCTILE IRON WATER MAIN 16" RESTRAINED JOINT TYPE	FOOT	177				177	
△*	XX005931	TRAFFIC SIGNAL POST, 16 FOOT, (SPECIAL)	EACH	4			4		
△*	XX006163	REMOVE ELECTRIC CABLE FROM CONDUIT (SPECIAL)	L SUM	1			1		
*	XX006377	SEPTIC TANK TO BE PUMPED	EACH	2					2
△*	X8250215	PHOTOCELL CONTROL SYSTEM	EACH	1			1		

*SEE SPECIAL PROVISIONS
**NON-PARTICIPATING WORK
△ SPECIALTY ITEMS

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE : NONE

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	10
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	SAFETY CODE / CONSTRUCTION CODE: 2A J000 HAMILTON ROAD (CITY)	2A I000 MAIN STREET (CITY)	1F Y031 TRAFFIC SIGNALS (CITY & STATE)	Y060 WATER MAIN** CITY	Y060 SANITARY SEWER** CITY
△*	XX006533	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED, COUNTDOWN TIMER	EACH	8			8		
*	XX007744	CONCRETE ENCASEMENTS	EACH	1					1
*	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1				
*	Z0022800	FENCE REMOVAL	FOOT	20	20				
*	Z0051500	REMOVING AND RESETTING STREET SIGNS	EACH	1	1				
△*	Z0059500	SANITARY SEWER, TYPE 2 6"	FOOT	116					116
△*	Z0059600	SANITARY SEWER, TYPE 2 8"	FOOT	663					663
△*	Z0060800	SANITARY SEWER, TYPE 3 6"	FOOT	479					479
△*	Z0060900	SANITARY SEWER, TYPE 3 8"	FOOT	1303					1303
△*	XX008164	DUCTILE IRON WATER MAIN 14" RESTRAINED JOINT TYPE	FOOT	14				14	
*	XX008165	RESTRICTED DEPTH MANHOLES, 6'-DIAMETER, TYPE 37M GRATE	EACH	1	1				
△*	XX008166	HDPE WATER MAIN DIRECTIONAL DRILLING 14"	FOOT	120				120	
△*	XX008167	CASING PIPE 4"	FOOT	40				40	
△*	XX008168	CASING PIPE 18"	FOOT	22				22	
△*	Z0023900	FILLING EXISTING WELLS	EACH	1	1				
△*	XX008169	PEDESTRIAN PUSH-BUTTON POST (SPECIAL)	EACH	4			4		

*SEE SPECIAL PROVISIONS
**NON-PARTICIPATING WORK
△ SPECIALTY ITEMS

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE : NONE

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	11
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

SCHEDULE OF QUANTITIES

EARTHWORK SUMMARY

STAGE	LOCATION	TOPSOIL EXCAVATION (CU YD)	21101505 TOPSOIL PLACEMENT (CU YD)	•ESTIMATED TOPSOIL WASTE (CU YD)	EARTH EXCAVATION (CU YD)	20200100 ••TOTAL EARTH EXCAVATION (CU YD)	EMBANKMENT (NO PAYMENT) (CU YD)	•••ESTIMATED EARTH WASTE (CU YD)
1	HAMILTON ROAD	2361	1284	1077	1583	2660	2011	146
2	HAMILTON ROAD		126	-126	2012	1886	808	876
3	HAMILTON ROAD				264	264	58	192
4	HAMILTON ROAD				120	120	2	118
5	HAMILTON ROAD		245	-245	1133	888	17	867
6	HAMILTON ROAD		160	-160	1217	1057	23	1028
7	HAMILTON ROAD		184	-184	1773	1589	35	1545
8	HAMILTON ROAD		152	-152	3038	2886	26	2854
	SUBTOTAL	2361	2151	210	11140	11350	2980	7625
3 RT.	MAIN STREET				241	241	62	164
4 RT.	MAIN STREET		66	-66	282	216	162	14
4 LT.	MAIN STREET		38	-38	715	677	4	672
5 RT.	MAIN STREET				242	242		242
	SUBTOTAL		104	-104	1480	1376	228	1091
	TOTALS	2361	2255	106	12620	12726	3208	8716

•TOPSOIL WASTE = TOPSOIL EXCAVATION - TOPSOIL PLACEMENT (ASSUMES NO SHRINKAGE FACTOR)
••TOTAL EARTH EXCAVATION = EARTH EXCAVATION + TOPSOIL WASTE
•••EARTH WASTE = EARTH EXCAVATION + TOPSOIL WASTE - (EMBANKMENT x 1.25 SHRINKAGE FACTOR)

NOTES

1. 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 WILL BE PAID FOR IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.
2. THE TABULATED EMBANKMENT QUANTITIES DO NOT ACCOUNT FOR A SHRINKAGE FACTOR. A 25% SHRINKAGE FACTOR HAS BEEN APPLIED TO THE TABULATED EMBANKMENT QUANTITY TO DETERMINE THE ESTIMATED VOLUME OF EARTH WASTE.
3. EXCESS EARTH MATERIALS FROM WATER MAIN AND 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.
4. 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.
5. THE EXCAVATED TOPSOIL MATERIAL REQUIRED FOR THE TOTAL TOPSOIL PLACEMENT SHALL BE STORED IN THE AREA ALONG THE NORTH SIDE OF HAMILTON ROAD FROM STA. 243+00 TO STA. 246+00 UNTIL SUCH TIME THAT IT CAN BE PLACED IN IT'S FINAL LOCATION.

21001000
GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

LOCATION	SQ YD
CITY - HAMILTON ROAD	
TOKEN QUANTITY	1950
TOTAL	1950

21101615
TOPSOIL FURNISH AND PLACE, 4"

LOCATION	SQ YD
CITY - HAMILTON ROAD	
TOKEN QUANTITY	500
TOTAL	500

25000110
SEEDING, CLASS 1A

LOCATION	ACRE
CITY - HAMILTON ROAD	
STAGE I	2.4
STAGE II	0.2
STAGE V	0.5
STAGE VI	0.3
STAGE VII	0.3
STAGE VIII	0.3
CITY - HAMILTON ROAD SUBTOTAL	4.0
CITY - MAIN STREET	
STAGE V	0.2
CITY - MAIN STREET SUBTOTAL	0.2
TOTAL	4.2

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

LOCATION	POUND
CITY - HAMILTON ROAD	
STAGE I	216
STAGE II	18
STAGE V	45
STAGE VI	27
STAGE VII	27
STAGE VIII	27
CITY - HAMILTON ROAD SUBTOTAL	360
CITY - MAIN STREET	
STAGE V	18
CITY - MAIN STREET SUBTOTAL	18
TOTAL	378

25100125
MULCH, METHOD 3

LOCATION	ACRE
CITY - HAMILTON ROAD	
STAGE I	1.8
STAGE II	0.2
STAGE V	0.4
STAGE VI	0.2
STAGE VII	0.2
STAGE VIII	0.2
CITY - HAMILTON ROAD SUBTOTAL	3.0
CITY - MAIN STREET	
STAGE V	0.2
CITY - MAIN STREET SUBTOTAL	0.2
TOTAL	3.2

25100630
EROSION CONTROL BLANKET

LOCATION	SQ YD
CITY - HAMILTON ROAD	
TOKEN QUANTITY	5000
TOTAL	5000

25200100
SODDING

LOCATION	SQ YD
CITY - HAMILTON ROAD	
TOKEN QUANTITY	50
TOTAL	50

25200200
SUPPLEMENTAL WATERING

LOCATION	UNIT
CITY - HAMILTON ROAD	
TOKEN QUANTITY	1
TOTAL	1

31200500
STABILIZED SUB-BASE - HOT-MIX ASPHALT, 4"

STATION	TO STATION	SQ YD
CITY - HAMILTON ROAD		
240+90.0 LT. & RT.	262+55.04 LT. & RT.	15153
TOTAL		15153

35100500
AGGREGATE BASE COURSE, TYPE A 6"

STATION	TO STATION	SQ YD
CITY - HAMILTON ROAD		
239+15.5 LT.	262+21.8 LT.	2817
TOTAL		2817

35101100
AGGREGATE BASE COURSE, TYPE A 12"

STATION	TO STATION	SQ YD
CITY - HAMILTON ROAD		
240+90.0 LT. & RT.	262+55.04 LT. & RT.	15153
CITY - HAMILTON ROAD SUBTOTAL		15153
CITY - MAIN STREET		
294+16.0 RT.	300+22.5 RT.	733
297+45.8 LT.	500+01.9 LT.	174
298+01.0 LT.	298+51.9 LT.	56
501+53.8 RT.	303+68.0 LT.	762
CITY - MAIN STREET SUBTOTAL		1725
TOTAL		16878

35300400
PORTLAND CEMENT CONCRETE BASE COURSE 9"

STATION	TO STATION	SQ YD
CITY - MAIN STREET		
294+16 RT.	300+22.5 RT.	554.6
297+45.8 LT.	500+01.9 LT.	97.9
298+01.0 LT.	298+51.9 LT.	44.7
501+53.8 RT.	303+68.0 LT.	552.1
TOTAL		1249.3

35800100
PREPARATION OF BASE

STATION	TO STATION	SQ YD
CITY - HAMILTON ROAD		
500+35 LT. & RT.	501+57 LT. & RT.	900
TOTAL		900

40200800
AGGREGATE SURFACE COURSE, TYPE B (8" THICK)

STATION	TO STATION	TON
CITY - HAMILTON ROAD		
1000+11 LT. & RT.	1002+92 LT. & RT.	285
254+00 LT.		18
255+00 LT.	256+80 LT.	87
257+75 LT.		36
CITY - HAMILTON ROAD SUBTOTAL		426
CITY - MAIN STREET		
297+24.0 RT.		24
CITY - MAIN STREET SUBTOTAL		24
TOTAL		450

40600100
BITUMINOUS MATERIALS (PRIME COAT)

STATION	TO STATION	GALLON
CITY - HAMILTON ROAD		
PEDESTRIAN TRAIL		
239+15.5 LT.	262+21.8 LT.	740
CITY - HAMILTON ROAD SUBTOTAL		740
CITY - MAIN STREET		
294+16.0 LT. & RT.	303+68.0 LT. & RT.	240
CITY - MAIN STREET SUBTOTAL		240
TOTAL		980

40600300
AGGREGATE (PRIME COAT)

STATION	TO STATION	TON
CITY - MAIN STREET		
294+16 LT. & RT.	303+68 LT. & RT.	5
TOTAL		5

40600400
MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS

STATION	TO STATION	TON
CITY - HAMILTON ROAD		
500+35 LT. & RT.	501+57 LT. & RT.	1
TOTAL		1

40600845
POLYMERIZED LEVELING BINDER (MACHINE METHOD), N90 (1")

STATION	TO STATION	TON
CITY - MAIN STREET		
294+16.0 LT. & RT.	303+68.0 LT. & RT.	128
TOTAL		128

40603315
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70 (2")

STATION	TO STATION	TON
CITY - HAMILTON ROAD		
239+15.5 LT.	262+21.8 LT.	330
TOTAL		330

40603545
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N90 (1½")

STATION	TO STATION	TON
CITY - MAIN STREET		
294+16.0 LT. & RT.	303+68.0 LT. & RT.	192
TOTAL		192

42000301
PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)

STATION	TO STATION	SQ YD
CITY - HAMILTON ROAD		
240+89 LT. & RT.	262+55.04 LT. & RT.	13521.2
DICKERSON DRIVE		71.5
RODGERS ROAD		73.6
TOTAL		13666.3

42001300
PROTECTIVE COAT

LOCATION	SQ YD
CITY - HAMILTON ROAD	
PCC PVT 8"	13667
COMB CC&G	1259
TOTAL	14926

42300200
PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 6 INCH

STATION	SQ YD
CITY - HAMILTON ROAD	
241+60.4 RT. - P.E.	26.7
243+82.4 RT. - P.E.	44.8
244+38.2 RT. - P.E.	43.7
246+03.0 RT. - P.E.	23.2
247+48.5 RT. - P.E.	23.2
254+62.0 RT. - P.E.	154.6
256+54.0 RT. - P.E.	98.3
TOTAL	414.5

FOR ADDITIONAL SCHEDULES OF QUANTITIES AND BILL OF MATERIALS SEE THE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLANS, REMOVALS/RELOCATIONS PLANS, PLAN AND PROFILE SHEETS, PAVEMENT MARKING PLANS, WATER MAIN PLANS, AND TRAFFIC SIGNAL PLANS.

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : NONE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	12
STA.		TO STA.		
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

SCHEDULE OF QUANTITIES

42300400
PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 8 INCH

STATION	SQ YD
CITY - HAMILTON ROAD	
1002+97 LT. & RT.	15.5
254+00.0 LT. - C.E.	63.3
255+67.2 LT. - C.E.	47.7
256+17.8 LT. - C.E.	50.8
257+75.0 LT. - C.E.	63.3
258+73.8 RT. - C.E.	76.0
261+10.0 RT. - C.E.	156.5
CITY - HAMILTON ROAD SUBTOTAL	473.1
CITY - MAIN STREET	
297+24.0 RT. - C.E.	63.4
300+00.7 LT. - C.E.	136.4
302+07.2 LT. - C.E.	35.0
303+18.0 LT. - C.E.	63.1
CITY - MAIN STREET SUBTOTAL	297.9
TOTAL	771.0

42400100
PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH

STATION	TO STATION	SQ FT
CITY - HAMILTON ROAD		
240+69.6 RT.	300+09.8 RT.	10970.3
500+58.0 LT.	501+57.0 LT.	572.8
500+06.4 RT.	501+25.0 RT.	352.3
502+05 LT.	502+15 LT.	40.0
503+46 LT.	503+56 LT.	40.0
CITY - HAMILTON ROAD SUBTOTAL		11975.4
CITY - MAIN STREET		
294+16.0 RT.	298+26.0 RT.	2193.2
CITY - MAIN STREET SUBTOTAL		2193.2
TOTAL		14168.6

42400800
DETECTABLE WARNINGS

STATION	SQ FT
CITY - HAMILTON ROAD	
249+18.2 RT.	8
249+47.07 RT.	8
252+49.12 RT.	8
252+79.59 RT.	8
CITY - HAMILTON ROAD SUBTOTAL	32
CITY - MAIN STREET	
298+23.69 RT.	16
298+28.22 LT.	16
299+36.82 RT.	8
299+46.00 LT.	8
CITY - MAIN STREET SUBTOTAL	48
TOTAL	80

44300200
STRIP REFLECTIVE CRACK CONTROL TREATMENT

STATION	TO STATION	FOOT
CITY - HAMILTON ROAD		
500+38 LT. & RT.	501+57 LT. & RT.	595
CITY - MAIN STREET		
294+93 RT.	299+97 RT.	504
297+73 LT.	303+26 LT.	553
TOTAL		1652

60228000
MANHOLES, SANITARY

LOCATION	EACH
CITY - HAMILTON ROAD	
241+00 LT.	1
242+95 LT.	1
245+37 LT.	1
245+37 RT.	1
248+15 RT.	1
251+15 RT.	1
254+15 RT.	1
257+73 RT.	1
TOTAL	8

60600505
CONCRETE CURB (SPECIAL)

STATION	TO STATION	FOOT
CITY - MAIN STREET		
C.E. - 300+00.7 LT.		65
TOTAL		65

60600605
CONCRETE CURB, TYPE B

STATION	TO STATION	FOOT
CITY - HAMILTON ROAD		
260+94.0 RT.	261+25.9 RT.	56
TOTAL		56

60604400
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18

STATION	TO STATION	FOOT
CITY - HAMILTON ROAD		
240+85.0 RT.	249+19.6 RT.	844
249+45.6 RT.	252+50.6 RT.	328
252+76.8 RT.	262+55.4 RT.	1015
240+89.0 LT.	262+47.3 LT.	2182
C.E. - 258+73.6 RT.		32
C.E. - 261+10.0 RT.		133
TOTAL		4534

60605400
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (SPECIAL)

STATION	TO STATION	FOOT
CITY - MAIN STREET		
294+16.0 RT.	297+94.0 RT.	383
297+45.8 LT.	501+57.0 LT.	193
501+57.0 RT.	303+68.0 LT.	528
299+57.4 RT.	300+22.5 RT.	67
TOTAL		1171

60623100
CONCRETE MEDIAN, TYPE SM-6.12 (SPECIAL)

STATION	TO STATION	SQ FT
CITY - MAIN STREET		
298+01.0 LT.	298+16.0 LT.	103.7
TOTAL		103.7

FOR ADDITIONAL SCHEDULES OF QUANTITIES AND BILL OF MATERIALS SEE THE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLANS, REMOVALS/RELOCATIONS PLANS, PLAN AND PROFILE SHEETS, PAVEMENT MARKING PLANS, WATER MAIN PLANS, AND TRAFFIC SIGNAL PLANS.

ILLINOIS DEPARTMENT OF TRANSPORTATION

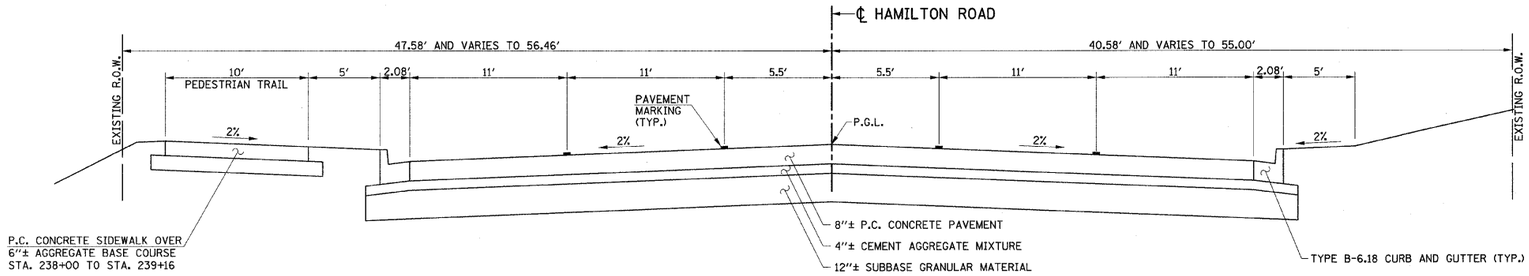
SCHEDULE OF QUANTITIES

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.

SCALE : NONE

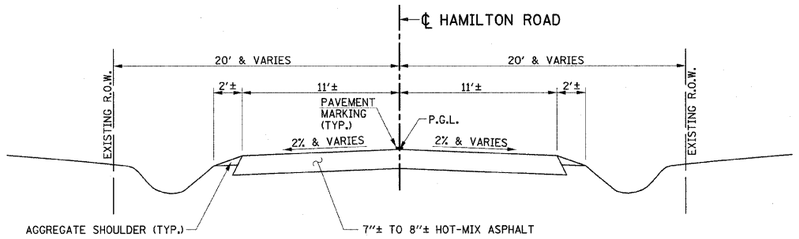
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	13
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351



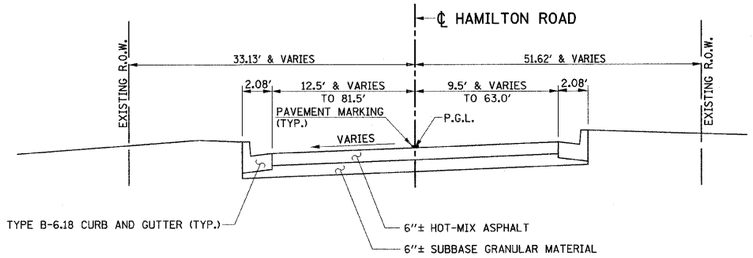
EXISTING TYPICAL CROSS SECTION
HAMILTON ROAD
STA. 238+00.00 TO STA. 240+90.00

(TYPICAL SECTION SHOWN IS ALONG THE PROPOSED CENTERLINE OF HAMILTON RD. AS CONSTRUCTED IN SECTION NO. 93-00295-02-PV)



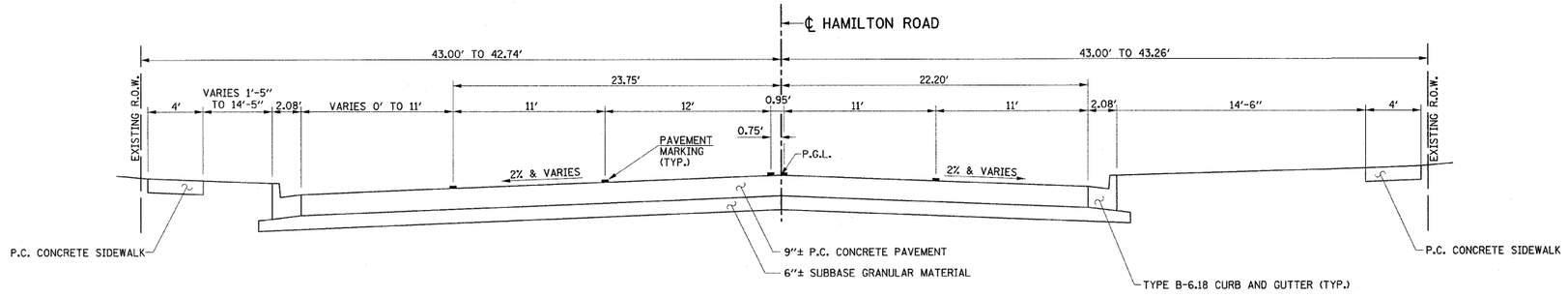
EXISTING TYPICAL CROSS SECTION
HAMILTON ROAD
STA. 240+90.00 TO STA. 260+15

(TYPICAL SECTION SHOWN IS ALONG THE CENTERLINE OF EXISTING HAMILTON RD.)



EXISTING TYPICAL CROSS SECTION
HAMILTON ROAD
STA. 260+15 TO STA. 262+67.00

(TYPICAL SECTION SHOWN IS ALONG THE CENTERLINE OF EXISTING HAMILTON RD.)



EXISTING TYPICAL CROSS SECTION
HAMILTON ROAD
STA. 500+34.95 TO STA. 505+00

(TYPICAL SECTION SHOWN IS ALONG THE CENTERLINE OF EXISTING HAMILTON RD.)

SEE HORIZONTAL ALIGNMENT LAYOUT AND CONTROL SHEET FOR LOCATIONS OF EXISTING R.O.W. AND EXISTING PERMANENT EASEMENTS.

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.

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTIONS
HAMILTON ROAD

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : NONE

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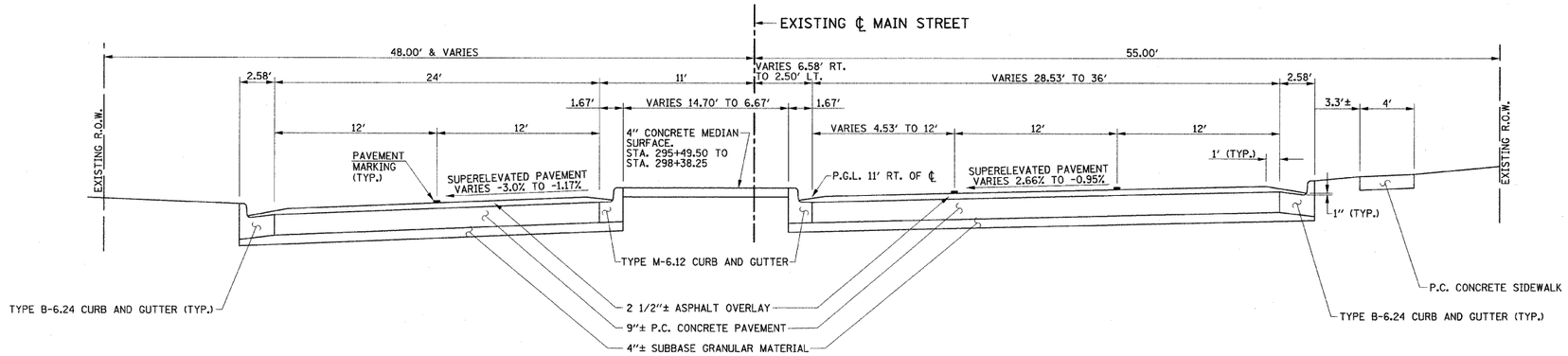
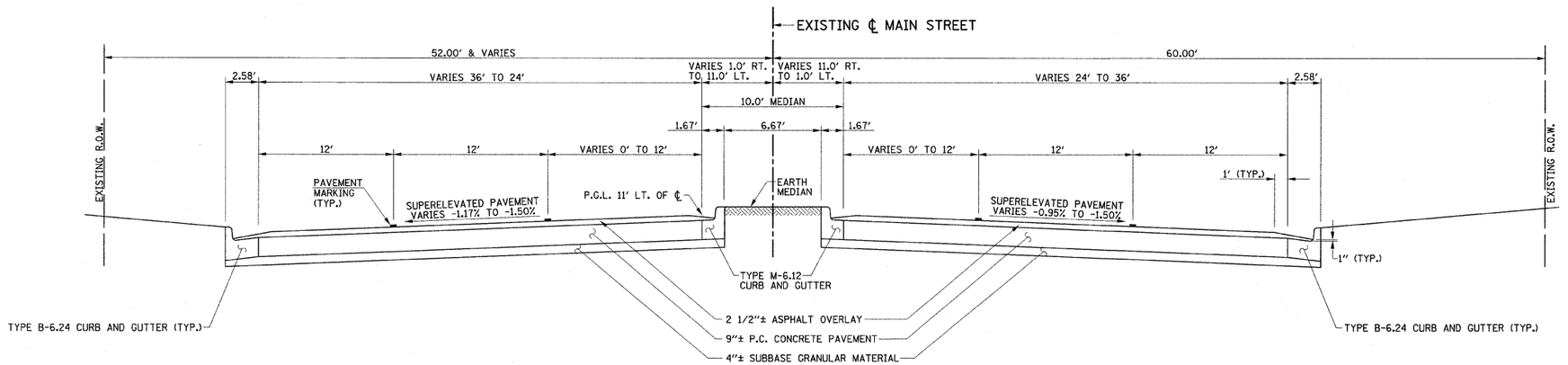
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	14
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351



EXISTING TYPICAL CROSS SECTION
MAIN STREET
STA. 294+16 TO STA. 298+91.64
(LOOKING SOUTH)



EXISTING TYPICAL CROSS SECTION
MAIN STREET
STA. 298+91.64 TO STA. 303+68
(LOOKING SOUTH)

SEE HORIZONTAL ALIGNMENT LAYOUT AND CONTROL SHEET FOR LOCATIONS OF EXISTING R.O.W. AND EXISTING PERMANENT EASEMENTS.

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.

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTIONS
MAIN STREET

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : NONE

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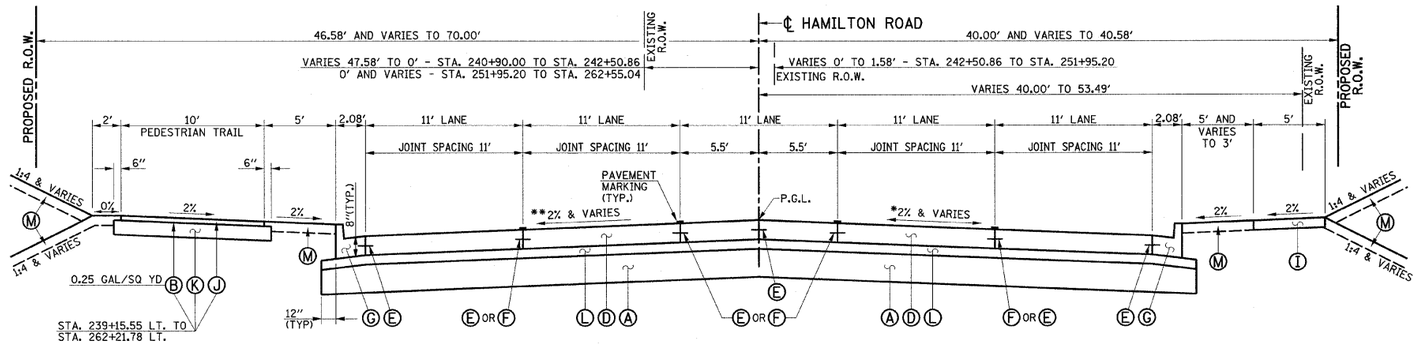
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	15
STA.		TO STA.		
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

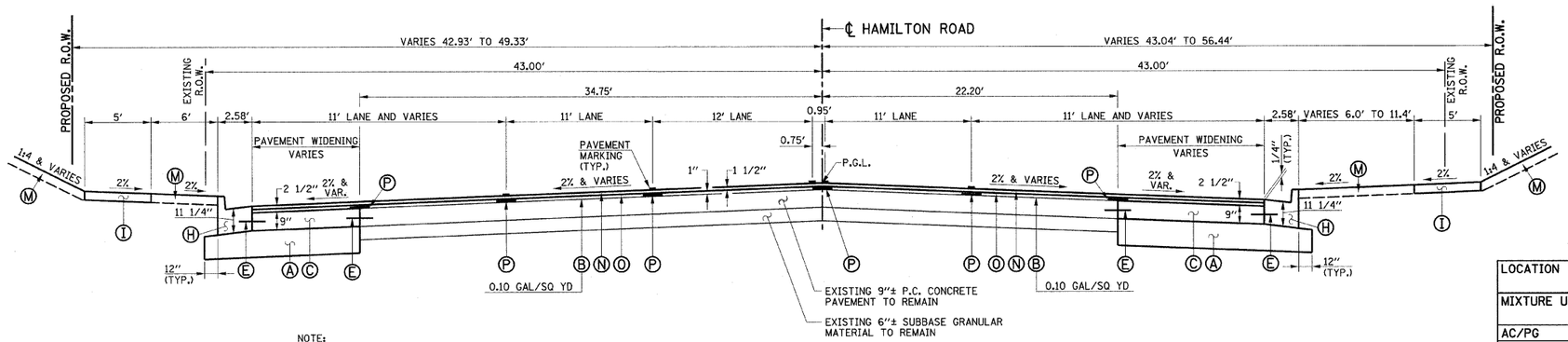


*SUPER ELEVATION TRANSITION -
STA. 252+20 RT. TO STA. 253+40 RT.
FULL SUPER ELEVATION = 1.00%
STA. 253+40 RT. TO STA. 262+55.04 RT.
(MATCH INTERSECTING MAIN STREET
EDGE OF PAVEMENT AT STA. 262+55.04)

**SUPER ELEVATION TRANSITION -
STA. 261+95 LT. TO STA. 262+55.04 LT.
FULL SUPER ELEVATION = -0.50%
(MATCH INTERSECTING MAIN STREET
EDGE OF PAVEMENT AT STA. 262+55.04)

SEE THE SUPERELEVATION TRANSITION TABLES AND THE INTERSECTION DETAIL FOR PAVEMENT WARPING ELEVATIONS.

PROPOSED TYPICAL CROSS SECTION
HAMILTON ROAD
STA. 240+90.00 TO STA. 262+55.04



NOTE:
THE EXISTING 2 1/2" ASPHALT OVERLAY SHALL BE REMOVED FROM STA. 500+34± TO STA. 500+85±. SEE THE REMOVAL/RELOCATION PLANS.

PROPOSED TYPICAL CROSS SECTION
HAMILTON ROAD
STA. 500+47.01 TO STA. 501+57.00

PROPOSED TYPICAL SECTION KEY

Ⓐ AGGREGATE BASE COURSE, TYPE A 12"
Ⓑ BITUMINOUS MATERIALS (PRIME COAT) - SEE TYPICAL FOR APP. RATE
Ⓒ PORTLAND CEMENT CONCRETE BASE COURSE 9"
Ⓓ PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)
Ⓔ LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 x 24" EPOXY COATED TIE BARS GROUTED IN PLACE OR NO. 6 x 30" EPOXY COATED TIE BARS FORMED IN PLACE AT 24" CENTERS (STD. 420001)
Ⓕ SAWED LONGITUDINAL JOINT WITH NO. 6 X 30" EPOXY COATED TIE BARS AT 30" CENTERS (STD. 420001)
Ⓖ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (STD. 606001)
Ⓗ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (SPECIAL) (STD. 606001)
Ⓘ PORTLAND CEMENT CONCRETE SIDEWALK 4" - (SEE NOTE 14)
Ⓙ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70 (2") - (SEE NOTE 15)
Ⓚ AGGREGATE BASE COURSE, TYPE A 6"
Ⓛ STABILIZED SUB-BASE - HOT-MIX ASPHALT, 4"
Ⓜ TOPSOIL 4"
Ⓝ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90 (1 1/2")
Ⓞ POLYMERIZED LEVELING BINDER (MACHINE METHOD), N90 (1")
Ⓟ STRIP REFLECTIVE CRACK CONTROL TREATMENT

STRUCTURAL PAVEMENT DESIGN INFORMATION

HAMILTON ROAD

STRUCTURAL DESIGN TRAFFIC: YEAR 2018

PV = 16270 SU = 506 MU = 84

ROAD/STREET CLASSIFICATION: CLASS I

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:

P = 50% S = 50% M = 50%

TRAFFIC FACTOR: TF = 1.20

SUBGRADE SUPPORT RATING: SSR = "POOR"

MINIMUM STRUCTURAL DESIGN REQUIREMENTS:

P.C. CONCRETE PAVEMENT	= 8"
STABILIZED SUB-BASE	= 4"
GRANULAR SUBBASE	= 12"

HOT-MIX ASPHALT MIXTURE REQUIREMENTS TABLE

LOCATION	HAMILTON ROAD AND MAIN STREET	HAMILTON ROAD AND MAIN STREET	PEDESTRIAN TRAIL	HAMILTON ROAD
MIXTURE USE:	POLYMERIZED SURFACE	POLYMERIZED LEVELING BINDER	SURFACE	STABILIZED SUBBASE
AC/PG	SBS/SBR PG 70-22	SBS/SBR PG 70-22	PG 64-22	PG 58-22
RAP % (MAX)	0	0	10	30
DESIGN AIR VOIDS	4.0% @ NDES = 90	4.0% @ NDES = 90	3.0% @ NDES = 70	2.0% @ NDES = 30
MIXTURE COMPOSITION (GRADATION)	IL 9.5	IL 9.5	IL 9.5	OTHER
FRICTION AGGREGATE	MIXTURE D	MIXTURE C	MIXTURE C	N/A

NOTE: IF AN ANTI-STRIPPING ADDITIVE IS REQUIRED FOR ANY HOT-MIX ASPHALT MIXTURE, THE COST OF INTRODUCING THE ADDITIVE INTO THE HMA WILL NOT BE PAID FOR SEPARATELY AS DESCRIBED IN ARTICLE 406.14 OF THE STANDARD SPECIFICATIONS.

NOTES

1. THE CURB AND GUTTER SHALL NOT BE POURED MONOLITHIC WITH THE P.C. CONCRETE PAVEMENT EXCEPT AT THE STUB LOCATIONS. THE TIE BARS BETWEEN THE PAVEMENT AND THE CURB AND GUTTER WILL BE REQUIRED.
2. SAWED TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED AT 15' CENTERS IN THE PAVEMENT ON HAMILTON ROAD AND AS DIRECTED BY THE ENGINEER (STD. 420001). DOWEL BARS 1" DIAMETER, 18" LONG AT 12" CENTERS SHALL BE CENTERED ACROSS THE TRANSVERSE CONTRACTION JOINTS. ALL TRANSVERSE CONTRACTION JOINTS IN THE PAVEMENT MUST EXTEND THROUGH THE CURB AND GUTTER.
3. ALL SAWED JOINTS IN THE PAVEMENT AND CURB AND GUTTER SHALL BE SEALED WITH A JOINT SEALER MEETING THE REQUIREMENTS OF ARTICLES 420.02, 420.12, 602.02 AND 606.07.
4. EXPANSION JOINTS SHALL BE PLACED AT LOCATIONS SHOWN ON THE PAVEMENT JOINTING PLANS.
5. WHEN LONGITUDINAL CONSTRUCTION JOINTS ARE CONSTRUCTED IN THE PAVEMENT THE JOINTS SHALL BE TIED WITH NO. 6 x 24" EPOXY COATED TIE BARS GROUTED IN PLACE OR NO. 6 x 30" EPOXY COATED TIE BARS FORMED IN PLACE SPACED AT 24" CENTERS AS SHOWN ON STD. 420001.
6. SEE STANDARD 420111 FOR CONSTRUCTION DETAILS WHERE INLETS OR MANHOLES ARE LOCATED WITHIN THE PAVEMENT AREA.
7. SEE PAVEMENT JOINTING PLANS FOR LOCATIONS OF LONGITUDINAL AND TRANSVERSE JOINTS.
8. THE FINISHED EARTHWORK SHALL HAVE VEGETATIVE SUSTAINING SOIL COVERING THE TOP 4" OF AREAS TO BE 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. A TOKEN QUANTITY FOR TOPSOIL FURNISH AND PLACE, 4" HAS BEEN PROVIDED TO ESTABLISH A UNIT PRICE IN CASE ADDITIONAL TOPSOIL MATERIAL IS REQUIRED. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.
9. THE TOPSOIL SHALL BE REMOVED TO A DEPTH OF 12" WITHIN THE SUBGRADE LIMITS OF ALL PROPOSED PAVED AREAS AS SHOWN ON THE CROSS SECTIONS AND STOCKPILED. 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 THE CURBS. TOPSOIL WILL NOT BE ALLOWED TO BE PLACED AS FILL UNDER PAVEMENTS, SIDEWALKS, OR PEDESTRIAN TRAILS. ANY EXCESS VOLUME OF TOPSOIL EXCAVATED WHICH IS NOT USED FOR TOPSOIL PLACEMENT OR IS PLACED IN THE EMBANKMENT AREAS SHALL BE REMOVED FROM THE SITE AND DELIVERED TO A SITE WITHIN THE CITY LIMITS AS DIRECTED BY THE ENGINEER. EXCESS TOPSOIL REMOVED FROM THE SITE WILL BE PAID FOR AS EARTH EXCAVATION. SEE THE SPECIAL PROVISION FOR TOPSOIL EXCAVATION AND PLACEMENT. EMBANKMENT WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE OTHER EARTHWORK ITEMS.
10. ALL EXPOSED EARTH AREAS SHALL BE SEEDED, FERTILIZED, AND MULCHED IN ACCORDANCE WITH SECTIONS 250 AND 251 OF THE STANDARD SPECIFICATIONS. SEEDING, CLASS 1A AND MULCH, METHOD 3 SHALL BE USED. EROSION CONTROL BLANKETS SHALL BE SUBSTITUTED FOR THE MULCH AT LOCATIONS AS DIRECTED BY THE ENGINEER. A TOKEN QUANTITY FOR EROSION CONTROL BLANKET HAS BEEN PROVIDED TO ESTABLISH A UNIT PRICE. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.
11. SEE PLAN AND PROFILE SHEETS AND HORIZONTAL ALIGNMENT AND CONTROL SHEET FOR DETAILED LOCATIONS OF EDGES OF PAVEMENTS, CURBS AND GUTTERS, SIDEWALKS AND RIGHT-OF-WAY LINES. SEE CROSS SECTIONS FOR DETAILED SIDE SLOPE RATIOS.
12. THE EXISTING CONCRETE PAVEMENT SHALL BE PREPARED AND REPAIRED PRIOR TO PLACING THE HOT-MIX ASPHALT MATERIALS IN ACCORDANCE WITH SECTION 358 AND 406 OF THE STANDARD SPECIFICATIONS.
13. THE STABILIZED SUB-BASE MATERIAL SHALL BE IN ACCORDANCE WITH SECTION 312 OF THE STANDARD SPECIFICATIONS EXCEPT THAT ONLY HOT-MIX ASPHALT WILL BE ALLOWED.
14. THE P.C. CONCRETE SIDEWALKS SHALL BE THICKENED TO 6" OR 8" THROUGH DRIVEWAYS TO MATCH THE DRIVEWAY PAVEMENT THICKNESS. THE COST OF CONSTRUCTING THE P.C. CONCRETE SIDEWALK 6" OR 8" THICK THROUGH DRIVEWAYS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C. CONCRETE 4" AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. SEE THE DRIVEWAY DETAILS FOR ADDITIONAL INFORMATION.
15. THE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70 SHALL BE THICKENED TO 8" THROUGH DRIVEWAYS TO MATCH THE DRIVEWAY PAVEMENT THICKNESS. THE ADDITIONAL THICKNESS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX"C", N70. SEE THE DRIVEWAY DETAILS FOR ADDITIONAL INFORMATION.

SEE HORIZONTAL ALIGNMENT LAYOUT AND CONTROL SHEET FOR DETAILED LOCATIONS OF EXISTING R.O.W., PROPOSED R.O.W., PROPOSED PERMANENT EASEMENTS, AND TEMPORARY CONSTRUCTION EASEMENTS.

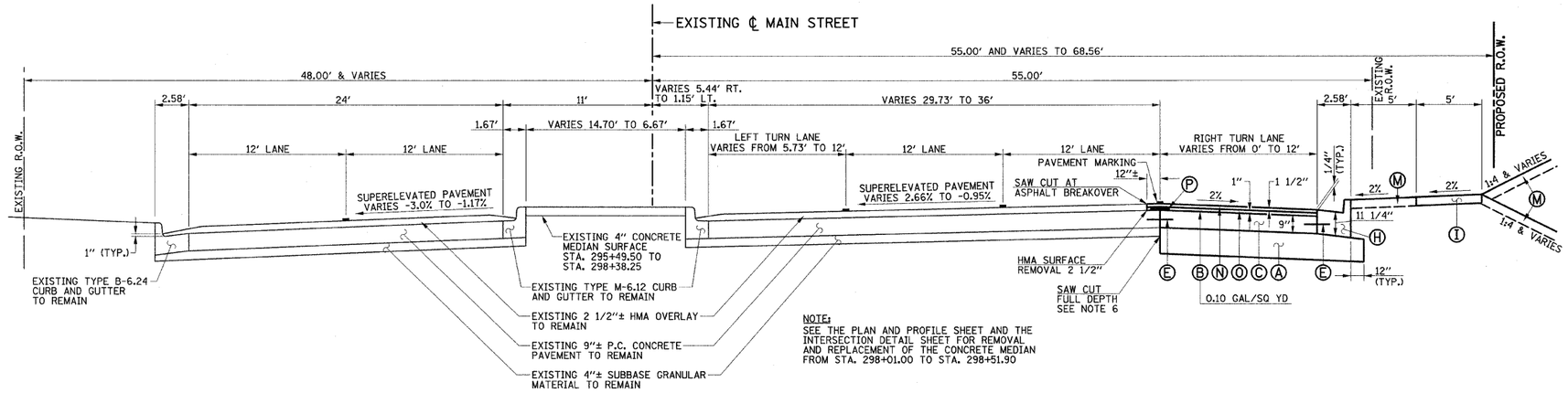
ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS
HAMILTON ROAD

DATE : 6-09
DRAWN BY : J.L.B.
SCALE : NONE CHECKED BY : R.L.H.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	16
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351



NOTE:
SEE THE PLAN AND PROFILE SHEET AND THE INTERSECTION DETAIL SHEET FOR REMOVAL AND REPLACEMENT OF THE CONCRETE MEDIAN FROM STA. 298+01.00 TO STA. 298+51.90

PROPOSED TYPICAL CROSS SECTION
MAIN STREET
STA. 294+16.00 TO STA. 298+91.64
(LOOKING SOUTH)

PROPOSED TYPICAL SECTION KEY

- Ⓐ AGGREGATE BASE COURSE, TYPE A 12"
- Ⓑ BITUMINOUS MATERIALS (PRIME COAT) - SEE TYPICAL FOR APP. RATE
- Ⓒ PORTLAND CEMENT CONCRETE BASE COURSE 9"
- Ⓓ PORTLAND CEMENT CONCRETE PAVEMENT 8" (JOINTED)
- Ⓔ LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 x 24" EPOXY COATED TIE BARS GROUTED IN PLACE OR NO. 6 x 30" EPOXY COATED TIE BARS FORMED IN PLACE AT 24" CENTERS (STD. 420001)
- Ⓕ SAWED LONGITUDINAL JOINT WITH NO. 6 X 30" EPOXY COATED TIE BARS AT 30" CENTERS (STD. 420001)
- Ⓖ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18 (STD. 606001)
- Ⓗ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (SPECIAL) (STD. 606001)
- Ⓘ PORTLAND CEMENT CONCRETE SIDEWALK 4" - (SEE NOTE 12)
- Ⓙ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70 (2")
- Ⓚ AGGREGATE BASE COURSE, TYPE A 6"
- Ⓛ STABILIZED SUB-BASE - HOT-MIX ASPHALT, 4"
- Ⓜ TOPSOIL 4"
- Ⓝ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90 (1 1/2")
- Ⓞ POLYMERIZED LEVELING BINDER (MACHINE METHOD), N90 (1")
- Ⓟ STRIP REFLECTIVE CRACK CONTROL TREATMENT

STRUCTURAL PAVEMENT DESIGN INFORMATION

MAIN STREET

STRUCTURAL DESIGN TRAFFIC: YEAR 2018

PV = 18223 SU = 792 MU = 792

ROAD/STREET CLASSIFICATION: CLASS I

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:

P = 50% S = 50% M = 50%

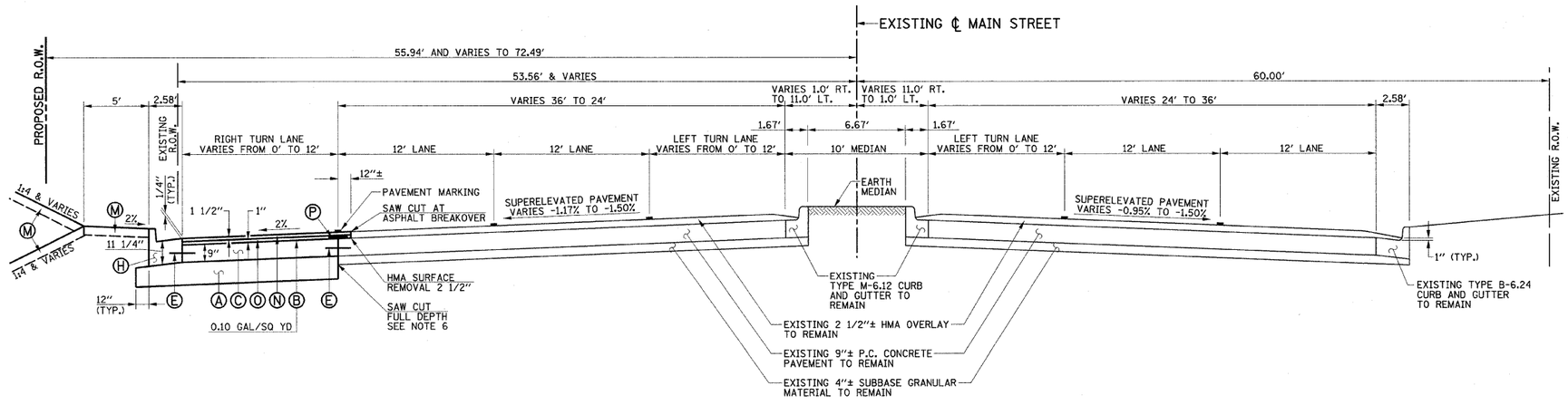
TRAFFIC FACTOR: TF = 6.01

SUBGRADE SUPPORT RATING: SSR = "POOR"

MINIMUM STRUCTURAL DESIGN REQUIREMENTS:

P.C. CONCRETE PAVEMENT = 9"

GRANULAR SUBBASE = 12"



PROPOSED TYPICAL CROSS SECTION
MAIN STREET
STA. 298+91.64 TO STA. 303+68.00
(LOOKING SOUTH)

NOTES

1. THE COMBINATION CONCRETE CURB AND GUTTER ADJACENT TO NEW PCC BASE COURSE SHALL BE IN ACCORDANCE WITH STD. 606001 EXCEPT THAT IT SHALL BE CONSTRUCTED TO THE FULL THICKNESS OF THE BASE COURSE AND HOT-MIX ASPHALT SURFACING. THE COST OF THE CURB AND GUTTER, INCLUDING THE ADDITIONAL THICKNESS, SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT FOR COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (SPECIAL).
2. SAWED TRANSVERSE CONTRACTION JOINTS 3" DEEP SHALL BE PLACED IN THE PROPOSED P.C. CONCRETE BASE COURSE IN PROLONGATION OF THE EXISTING PAVEMENT JOINTS IN ACCORDANCE WITH ARTICLE 420.05 (c) OF THE STANDARD SPECIFICATIONS. THE JOINTS IN THE P.C. CONCRETE BASE COURSE SHALL NOT BE SEALED. DOWEL BARS WILL NOT BE REQUIRED AT THE TRANSVERSE CONTRACTION JOINTS.
3. SAWED CONTRACTION JOINTS 3" DEEP SHALL BE PLACED IN THE COMBINATION CONCRETE CURB AND GUTTER IN PROLONGATION OF THE BASE COURSE JOINTS AND THE JOINTS SHALL BE SEALED. THIS WORK SHALL BE IN ACCORDANCE WITH ARTICLE 606.07 OF THE STANDARD SPECIFICATIONS. DOWEL BARS WILL NOT BE REQUIRED AT THE CONTRACTION JOINTS IN THE CURB AND GUTTER.
4. THE CURB AND GUTTER SHALL NOT BE POURED MONOLITHIC WITH THE P.C. CONCRETE BASE COURSE EXCEPT AT THE STUB LOCATIONS. THE TIE BARS BETWEEN THE P.C. CONCRETE BASE COURSE AND THE CURB AND GUTTER WILL BE REQUIRED.
5. WHEN LONGITUDINAL CONSTRUCTION JOINTS ARE CONSTRUCTED IN THE P.C. CONCRETE BASE COURSE THE JOINTS SHALL BE TIED WITH NO. 6 x 24" EPOXY COATED TIE BARS GROUTED IN PLACE OR NO. 6 x 30" EPOXY COATED TIE BARS FORMED IN PLACE SPACED AT 24" CENTERS AS SHOWN ON STD. 420001.
6. THE CONTRACTOR WILL BE REQUIRED TO SAW CUT AND REMOVE THE EXISTING PAVEMENT AS DIRECTED BY THE ENGINEER TO PROVIDE A CLEAN VERTICAL EDGE IF NO EXISTING JOINT IS VISIBLE. THE SAW CUTTING OF THE PAVEMENT WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE OF THE VARIOUS REMOVAL PAY ITEMS.
7. THE FINISHED EARTHWORK SHALL HAVE VEGETATIVE SUSTAINING SOIL COVERING THE TOP 4" OF AREAS TO BE 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. A TOKEN QUANTITY FOR TOPSOIL FURNISH AND PLACE, 4" HAS BEEN PROVIDED TO ESTABLISH A UNIT PRICE IN CASE ADDITIONAL TOPSOIL MATERIAL IS REQUIRED. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.
8. THE TOPSOIL SHALL BE REMOVED TO A DEPTH OF 12" WITHIN THE SUBGRADE LIMITS OF ALL PROPOSED PAVED AREAS AS SHOWN ON THE CROSS SECTIONS AND STOCKPILED. 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 THE CURBS. TOPSOIL WILL NOT BE ALLOWED TO BE PLACED AS FILL UNDER PAVEMENTS, SIDEWALKS, OR PEDESTRIAN TRAILS. ANY EXCESS VOLUME OF TOPSOIL EXCAVATED WHICH IS NOT USED FOR TOPSOIL PLACEMENT OR IS PLACED IN THE EMBANKMENT AREAS SHALL BE REMOVED FROM THE SITE AND DELIVERED TO A SITE WITHIN THE CITY LIMITS AS DIRECTED BY THE ENGINEER. EXCESS TOPSOIL REMOVED FROM THE SITE WILL BE PAID FOR AS EARTH EXCAVATION. SEE THE SPECIAL PROVISION FOR TOPSOIL EXCAVATION AND PLACEMENT. EMBANKMENT WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE OTHER EARTHWORK ITEMS.
9. ALL EXPOSED EARTH AREAS SHALL BE SEEDED, FERTILIZED, AND MULCHED IN ACCORDANCE WITH SECTIONS 250 AND 251 OF THE STANDARD SPECIFICATIONS. SEEDING, CLASS 1A AND MULCH, METHOD 3 SHALL BE USED. EROSION CONTROL BLANKETS SHALL BE SUBSTITUTED FOR THE MULCH AT LOCATIONS AS DIRECTED BY THE ENGINEER. A TOKEN QUANTITY FOR EROSION CONTROL BLANKET HAS BEEN PROVIDED TO ESTABLISH A UNIT PRICE. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.
10. SEE PLAN AND PROFILE SHEETS AND HORIZONTAL ALIGNMENT AND CONTROL SHEET FOR DETAILED LOCATIONS OF EDGES OF PAVEMENTS, CURBS AND GUTTERS, SIDEWALKS AND RIGHT-OF-WAY LINES. SEE CROSS SECTIONS FOR DETAILED SIDE SLOPE RATIOS.
11. THE EXISTING CONCRETE PAVEMENT SHALL BE PREPARED AND REPAIRED PRIOR TO PLACING THE HOT-MIX ASPHALT MATERIALS IN ACCORDANCE WITH SECTION 358 AND 406 OF THE STANDARD SPECIFICATIONS.
12. THE P.C. CONCRETE SIDEWALKS SHALL BE THICKENED TO 6" OR 8" THROUGH DRIVEWAYS TO MATCH THE DRIVEWAY PAVEMENT THICKNESS. THE COST OF CONSTRUCTING THE P.C. CONCRETE SIDEWALK 6" OR 8" THICK THROUGH DRIVEWAYS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C. CONCRETE 4" AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. SEE THE DRIVEWAY DETAILS FOR ADDITIONAL INFORMATION.

SEE HORIZONTAL ALIGNMENT LAYOUT AND CONTROL SHEET FOR DETAILED LOCATIONS OF EXISTING R.O.W., PROPOSED R.O.W., PROPOSED PERMANENT EASEMENTS, AND TEMPORARY CONSTRUCTION EASEMENTS.

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS
MAIN STREET

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : NONE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	17
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

PROPOSED ℄ HAMILTON RD.
CURVE DATA
P.I. STA. 242+24.41
Δ = 4°33'03"
D = 1°47'26"
T = 127.15'
R = 3200.00'
L = 254.16'
E = 2.52'
P.C. STA. 240+97.26
P.T. STA. 243+51.42
S.E. = NONE

PROPOSED ℄ HAMILTON RD.
CURVE DATA
P.I. STA. 251+59.84
Δ = 1°30'00"
D = 0°34'23"
T = 130.91'
R = 10000.00'
L = 261.80'
E = 0.86'
P.C. STA. 250+28.93
P.T. STA. 252+90.73
S.E. = SEE S.E. TRANSITION TABLES

PROPOSED ℄ HAMILTON RD.
CURVE DATA
P.I. STA. 260+37.94
Δ = 11°00'00"
D = 3°34'52"
T = 154.06'
R = 1600.00'
L = 307.18'
E = 7.40'
P.C. STA. 258+83.88
P.T. STA. 261+91.06
S.E. = TO MATCH U.S. RTE. 51 (MAIN ST.) P.G.L. (SEE S.E. TRANSITION TABLES)

EXISTING ℄ U.S. RTE. 51 (MAIN ST.)
CURVE DATA
P.I. STA. 293+53.59
Δ = 13°40'12"
D = 1°30'00"
T = 457.84'
R = 3819.72'
L = 911.34'
E = 27.34'
P.C. STA. 288+95.75
P.T. STA. 298+07.09
S.E. = TO MATCH EXISTING

STR. NO. 42
STA. 256+05.38, 1,337.47 LT.
STA. 1015+44.06
N. 79,878.54
E. 100,221.01

STR. NO. 40
STA. 252+99.65
1,273.58 LT.=
STA. 1012+27.11
N. 79,820.30
E. 99,914.15

STR. NO. 41
STA. 254+99.07, 1,288.72 LT.=
STA. 1014+27.11
N. 79,831.76
E. 100,113.82

159°42'21"
91°58'37"
179°58'34"
87°40'00" TO LOCAL TAN.
88°59'30"
88°55'09"
91°04'51"
87°13'38"
92°46'22"

PROPOSED ℄ OUTFALL STORM SEWER

MATCH LINE - STA. 1010+00.00

STR. NO. 39
STA. 253+14.09
923.77 LT.=
STA. 1008+77.00
N. 79,470.28
E. 99,922.15

STR. NO. 38
STA. 253+22.96, 708.95' LT.=
STA. 1006+62.00
N. 79,255.34
E. 99,927.06

STR. NO. 37
STA. 253+36.44, 379.23' LT.=
STA. 1003+32.00
N. 78,925.42
E. 99,934.46

STR. NO. 36
STA. 253+50.00, 47.50' LT.=
STA. 1000+00.00
N. 78,593.50
E. 99,941.91

P.C. STA. 288+95.75

EXISTING ℄ U.S. RTE. 51 (MAIN ST.)

P.I. STA. 293+53.59

BEGIN IMPROVEMENTS U.S. RTE. 51 (MAIN ST.) STA. 294+16.00

STATION EQUATION
Ⓐ - STA. 263+02.09 (℄ HAMILTON RD.)= STA. 298+86.14 (℄ U.S. RTE. 51)
Ⓑ - STA. 500+00.00 (℄ HAMILTON RD.)= STA. 298+91.64 (℄ U.S. RTE. 51)

END IMPROVEMENTS HAMILTON RD. STA. 501+57.00

BEGIN IMPROVEMENTS HAMILTON RD. STA. 240+90.00

STA. 252+61.70 (℄ HAMILTON RD.)

STA. 249+31.80 (℄ HAMILTON RD.)

P.O.L. STA. 238+87.50
P.C. STA. 240+97.26
P.I. STA. 242+24.41
P.T. STA. 243+51.42
P.I. STA. 251+59.84
P.T. STA. 252+90.73
P.C. STA. 250+28.93
P.C. STA. 258+83.88
P.I. STA. 260+37.94
P.T. STA. 261+91.06
P.I. STA. 296+01.09
P.O.L. STA. 503+00.00
P.O.L. STA. 306+22.10

PROPOSED ℄ HAMILTON RD.

PARCEL 031 LOESEKE LAKE ASSOC.
PARCEL 113 CITY OF BLOOMINGTON
PARCEL 132 JAMES SHIRK
PARCEL 133 JOHN C. MONTERASTELLI, et al
PARCEL 134 ROBERT E. PIETSCH
PARCEL 135 JAMES A. MIKEL, et ux
PARCEL 136 DONALD G. SCHNEIDER, et ux
PARCEL 137 JON L. NELSON, et ux
PARCEL 138 TODD A. WINN, et ux
PARCEL 139 CLINT A. NORD, et al
PARCEL 140 MICHAEL J. DEANE
PARCEL 141 PAUL G. WHEELER, et ux
PARCEL 142 NELLIE KINDRED
PARCEL 143 MARTIN & BAYLEY INC.
PARCEL 144 SIX WAYS, LLC, et al
PARCEL 145 COMMERCE BANK, TRUSTEE
PARCEL 146 SYSTEM CAPITAL REAL PROPERTY CORP.
PARCEL 147 TRI STAR MARKETING, INC.

DICKERSON DR.
RODGERS RD.

NOTE: PARCEL 143 NOT USED.

END IMPROVEMENTS U.S. RTE. 51 (MAIN ST.) STA. 303+68.00

VERTICAL BENCHMARK TABLE

BENCHMARK NO.	DESCRIPTION	ELEVATION
408	TOP CAP BOLT ON FIRE HYDRANT ON NORTH SIDE OF HAMILTON RD. STA. 246+53, 8' RT.	894.11
500	TOP N.W. FLANGE BOLT ON FIRE HYDRANT ON NORTH SIDE OF HAMILTON RD. STA. 251+77, 4' RT.	889.70
501	TOP CAP BOLT ON FIRE HYDRANT ON NORTH SIDE OF HAMILTON RD. STA. 257+04, 10' LT.	890.74
502	TOP S.E. FLANGE BOLT ON FIRE HYDRANT ON SOUTH SIDE OF HAMILTON RD. STA. 259+84, 57' RT.	891.94
503	TOP CAP BOLT ON FIRE HYDRANT ON NORTH SIDE OF HAMILTON RD. STA. 261+99, 28' LT.	890.56
504	TOP CAP BOLT ON FIRE HYDRANT ON EAST SIDE OF MAIN STREET STA. 296+57, 45' LT.	890.67
505	TOP CAP BOLT ON FIRE HYDRANT ON EAST SIDE OF MAIN STREET STA. 293+54, 54' LT.	885.30
510	PK NAIL SET IN N.E. CORNER OF CONCRETE HEADWALL AT SALE BARN LOADING RAMP STA. 253+69, 350' LT.	882.45
511	S.W. CORNER OF CONCRETE RETAINING WALL AT S.E. AREA OF "THE CHALET SUBDIVISION"	860.27

PROPOSED CENTERLINE CONTROL COORDINATE TABLE

LOCATION	DESCRIPTION	LOCAL GROUND SYSTEM NORTHING	LOCAL GROUND SYSTEM EASTING
℄ HAMILTON RD.	P.O.L. 238+87.50	78,512.922	98,479.721
	P.C. 240+97.26	78,531.187	98,688.688
	P.I. 242+24.41	78,542.258	98,815.352
	P.T. 243+51.42	78,543.244	98,942.495
	℄-℄ INT. 249+31.80	78,547.744	99,522.855
	P.C. 250+28.93	78,548.497	99,619.986
	P.I. 251+59.84	78,549.512	99,750.890
	℄-℄ INT. 252+61.70	78,547.593	99,852.748
	P.T. 252+90.73	78,547.100	99,881.775
	P.C. 258+83.88	78,536.172	100,474.818
	P.I. 260+37.94	78,533.333	100,628.855
	P.T. 261+91.06	78,559.938	100,780.603
	℄-℄ INT. 263+02.09	78,579.113	100,889.968
	℄-℄ INT. 500+00.00	78,573.748	100,891.179
	P.O.L. 503+00.00	78,645.297	101,182.522
℄ U.S. RTE. 51 (MAIN ST.)	P.C. 288+95.75	79,560.613	100,779.395
	P.I. 293+53.59	79,102.833	100,771.779
	P.T. 298+07.09	78,656.221	100,872.567
	℄-℄ INT. 298+86.14	78,579.113	100,889.968
	℄-℄ INT. 298+91.64	78,573.748	100,891.179
	P.O.L. 306+22.10	77,861.202	101,051.980
℄ OUTFALL STORM SEWER	P.O.L. 1000+00.00	78,594.871	99,866.843
	P.O.L. 1003+50.00	78,944.780	99,858.849
	P.O.L. 1005+39.61	79,120.480	99,930.142
	P.O.L. 1008+89.61	79,470.389	99,922.148
	P.O.L. 1012+39.61	79,820.297	99,914.153
	P.O.L. 1014+39.61	79,831.761	100,113.824
	P.O.L. 1015+56.57	79,878.545	100,221.011
	P.O.L. 1016+17.55	79,882.141	100,281.893

TEMPORARY CONSTRUCTION EASEMENT STATIONS AND OFFSETS

200 240+44.09, 50.58 RT.
201 240+33.31, 227.07 RT.
202 240+88.14, 231.46 RT.
203 240+99.23, 50.58 RT.
204 242+46.86, 50.00 RT.
205 242+46.93, 45.00 RT.
206 243+60.00, 45.00 RT.
207 243+60.00, 65.00 RT.
208 244+55.00, 65.00 RT.
209 244+55.00, 55.00 RT.
210 248+80.00, 55.00 RT.
211 248+80.00, 70.00 RT.
212 249+07.86, 70.00 RT.
213 249+57.87, 70.00 RT.
214 249+75.00, 70.00 RT.
215 249+75.00, 60.00 RT.
216 250+28.93, 60.00 RT.
217 250+98.10, 60.00 RT.
218 250+97.99, 55.00 RT.
219 252+38.75, 55.00 RT.
220 252+89.07, 55.00 RT.
221 254+32.97, 55.00 RT.
222 254+34.06, 90.00 RT.
223 254+85.00, 90.00 RT.
224 254+85.00, 60.00 RT.
225 255+65.00, 60.00 RT.
226 255+65.00, 50.00 RT.
227 256+30.00, 50.00 RT.
228 256+30.00, 80.00 RT.
229 256+80.00, 80.00 RT.
230 256+80.00, 50.00 RT.
231 257+55.00, 50.00 RT.
232 257+55.00, 105.00 RT.
233 257+74.70, 105.00 RT.
234 257+73.29, 60.00 RT.
235 258+83.88, 60.00 RT.
236 260+60.00, 60.00 RT.
237 260+60.00, 80.00 RT.
238 261+50.00, 90.00 RT.
239 261+50.00, 60.00 RT.
240 261+87.54, 60.00 RT.
241 303+50.00, 53.67 LT.
242 303+50.00, 60.00 LT.
243 300+30.00, 60.00 LT.
244 300+30.00, 90.00 LT.
245 500+88.69, 70.05 RT.
246 501+00.00, 60.00 RT.
247 501+35.00, 50.00 RT.
248 501+35.00, 43.05 RT.
249 238+77.46, 65.00 LT.
250 240+97.26, 65.00 LT.
251 243+51.42, 65.00 LT.
252 246+40.00, 65.00 LT.
253 246+40.00, 85.00 LT.
254 250+28.93, 85.00 LT.
255 252+90.73, 85.00 LT.
256 NOT USED
257 253+28.45, 85.00 LT.
258 253+69.10, 70.00 LT.
259 255+31.92, 70.00 LT.
260 255+32.20, 58.59 LT.
261 256+52.67, 61.87 LT.
262 256+52.57, 65.00 LT.
263 257+50.00, 65.00 LT.
264 257+50.00, 80.00 LT.
265 258+00.00, 80.00 LT.
266 258+00.00, 65.00 LT.
267 258+83.88, 65.00 LT.
268 260+20.00, 65.00 LT.
269 261+60.00, 65.00 LT.
270 297+75.00, 90.00 RT.
271 297+00.00, 90.00 RT.
272 297+00.00, 75.00 RT.
273 295+00.00, 70.00 RT.
274 295+00.00, 55.00 RT.
275 297+75.00, 75.00 LT.
276 298+07.09, 75.00 LT.
277 501+00.00, 60.00 LT.
278 501+65.00, 60.00 LT.
279 501+65.00, 42.93 LT.
280 1006+67.54, 20.00 LT.
281 1006+67.53, 20.00 RT.
282 1008+14.34, 20.00 RT.
283 1007+87.50, 20.00 LT.
284 1007+87.50, 30.00 LT.
285 1012+27.11, 39.29 RT.

PROPOSED PERMANENT EASEMENT STATIONS AND OFFSETS

100 245+25.00, 41.58 RT.
101 245+25.00, 50.00 RT.
102 249+07.60, 50.00 RT.
103 252+88.63, 45.00 RT.
104 257+72.82, 45.00 RT.
105 239+09.94, 56.00 LT.
106 240+97.26, 56.00 LT.
107 243+51.42, 56.00 LT.
108 245+50.00, 56.00 LT.
109 245+50.00, 46.58 LT.
110 247+95.00, 46.58 LT.
111 247+95.00, 56.00 LT.
112 250+28.93, 56.00 LT.
113 252+90.73, 56.00 LT.
114 253+39.64, 56.00 LT.
115 253+59.66, 56.00 LT.
116 255+50.00, 56.00 LT.
117 255+50.00, 59.00 LT.
118 256+00.00, 59.00 LT.
119 256+00.00, 56.00 LT.
120 258+35.00, 56.00 LT.
121 258+35.00, 46.58 LT.
122 1006+67.53, 10.00 LT.
123 1006+67.53, 10.00 RT.
124 1008+13.99, 10.00 RT.
125 1012+27.11, 27.27 LT.
126 1012+37.98, 25.00 LT.
127 1012+07.48, 10.00 RT.
128 1015+41.48, 63.58 RT.
129 1015+62.32, 12.68 RT.

PROPOSED R.O.W. STATIONS AND OFFSETS

1 240+99.84, 40.58 RT.
2 242+46.99, 40.58 RT.
3 254+32.50, 40.00 RT.
4 257+72.66, 40.00 RT.
5 500+54.26, 89.40 RT.
6 500+71.27, 65.32 RT.
7 500+83.18, 56.43 RT.
8 501+10.90, 47.06 RT.
9 501+30.00, 43.04 RT.
10 241+29.52, 47.74 LT.
11 242+00.00, 46.58 LT.
12 243+51.42, 46.58 LT.
13 250+28.93, 46.58 LT.
14 252+90.73, 46.58 LT.
15 258+83.88, 46.58 LT.
16 261+28.85, 46.58 LT.
17 261+46.90, 47.52 LT.
18 262+10.00, 70.00 LT.
19 297+90.00, 68.56 RT.
20 297+59.66, 61.58 RT.
21 296+65.43, 61.58 RT.
22 295+68.30, 55.00 RT.
23 297+75.00, 57.00 LT.
24 297+75.00, 67.00 LT.
25 298+07.09, 67.00 LT.
26 298+17.18, 67.00 LT.
27 501+01.87, 49.33 LT.
28 501+37.15, 49.33 LT.
29 501+58.19, 42.93 LT.

SEE SHEET 18 FOR LOCATIONS OF EXISTING AND PROPOSED CENTERLINE CONTROL TIES.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

HORIZONTAL ALIGNMENT LAYOUT AND CONTROL

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : D.L.M.
SCALE : 1"=100'

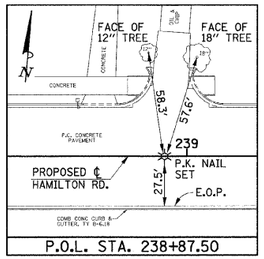
p:\b110941plans\sheets\17-geomlayout.dgn
6/19/2009 8:20:31 AM

CITY OF BLOOMINGTON SECTION NO. 93-00295-03-PV MCLEAN COUNTY

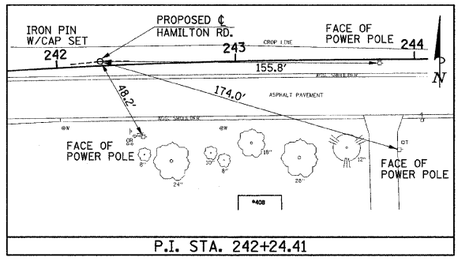
SHEET 17 OF 109 SHEETS B0110094

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	18
STA.		TO STA.		
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

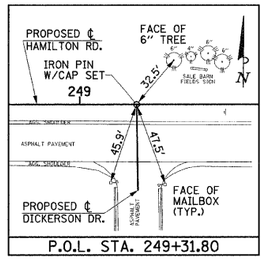
CONTRACT NO. 91351



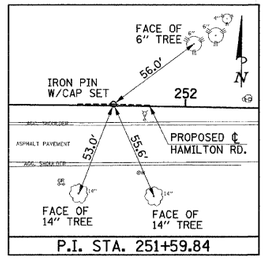
P.O.L. STA. 238+87.50



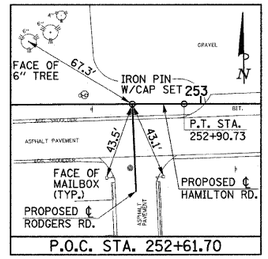
P.I. STA. 242+24.41



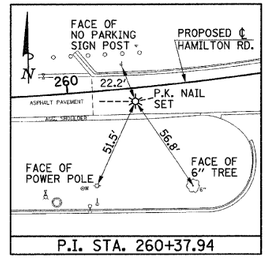
P.O.L. STA. 249+31.80



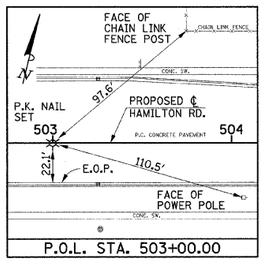
P.I. STA. 251+59.84



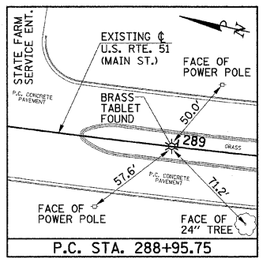
P.O.C. STA. 252+61.70



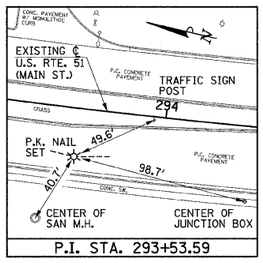
P.I. STA. 260+37.94



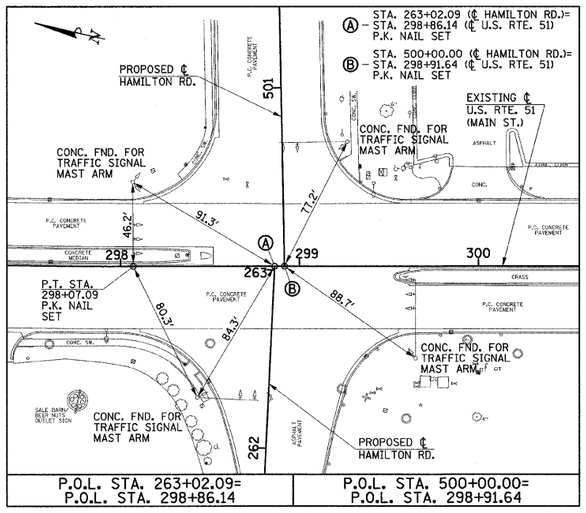
P.O.L. STA. 503+00.00



P.C. STA. 288+95.75

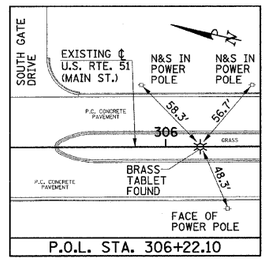


P.I. STA. 293+53.59



P.O.L. STA. 263+02.09= P.O.L. STA. 298+86.14

P.O.L. STA. 500+00.00= P.O.L. STA. 298+91.64



P.O.L. STA. 306+22.10

ILLINOIS DEPARTMENT OF TRANSPORTATION

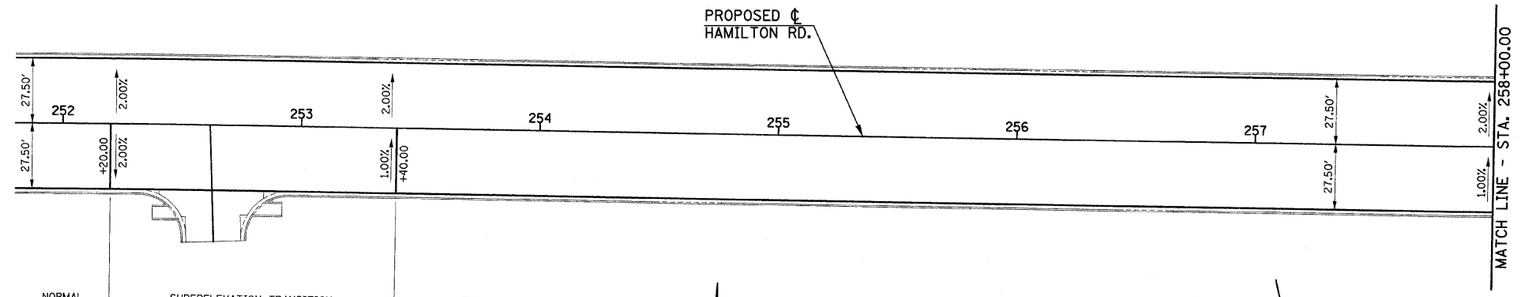
HORIZONTAL ALIGNMENT LAYOUT AND CONTROL

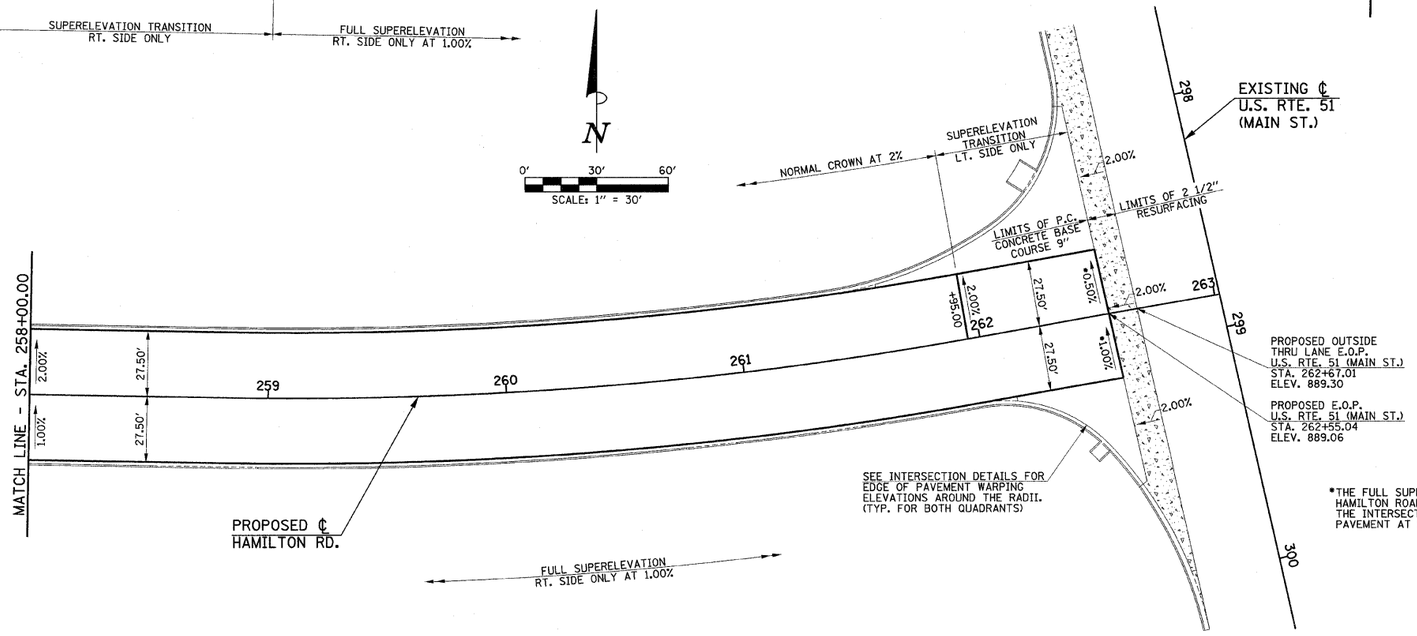
SCALE : NONE

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : D.L.M.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	19
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351



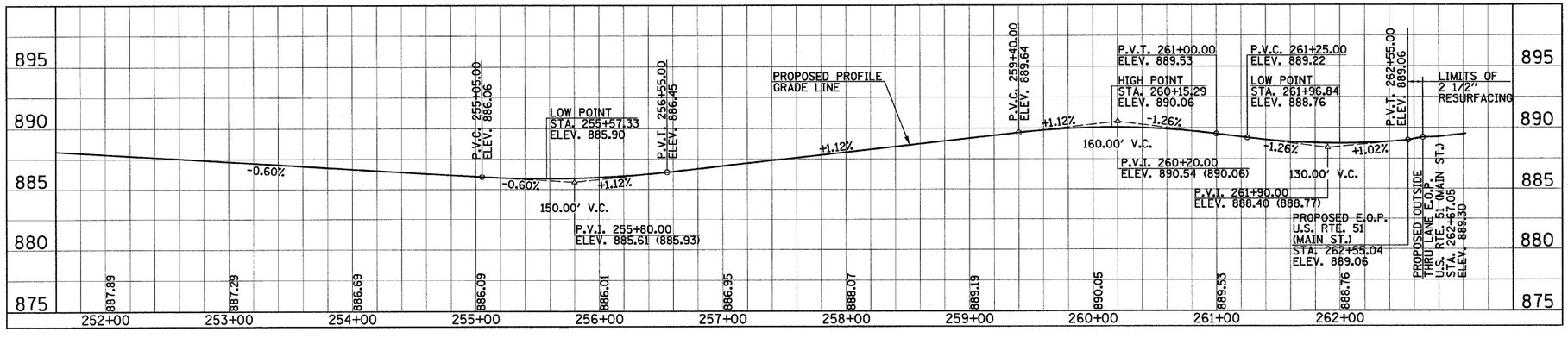


*THE FULL SUPERELEVATION FOR THE HAMILTON ROAD PAVEMENT SHALL MATCH THE INTERSECTING MAIN STREET EDGE OF PAVEMENT AT STA. 262+55.04.

SUPERELEVATION TRANSITION TABLE - HAMILTON RD.

STATION	LEFT E.O.P. OFFSET	LEFT E.O.P. ELEVATION	CENTERLINE P.G.L. ELEVATION	RIGHT E.O.P. ELEVATION	RIGHT E.O.P. OFFSET
252+20.00	27.50	887.22	887.77	887.22	27.50
252+30.00	27.50	887.16	887.71	887.23	27.50
252+40.00	27.50	887.10	887.65	887.24	27.50
252+50.00	27.50	887.04	887.59	887.25	27.50
252+60.00	27.50	886.98	887.53	887.25	27.50
252+70.00	27.50	886.92	887.47	887.26	27.50
252+80.00	27.50	886.86	887.41	887.27	27.50
252+90.00	27.50	886.80	887.35	887.28	27.50
253+00.00	27.50	886.74	887.29	887.29	27.50
253+10.00	27.50	886.68	887.23	887.30	27.50
253+20.00	27.50	886.62	887.17	887.31	27.50
253+30.00	27.50	886.56	887.11	887.32	27.50
253+40.00	27.50	886.50	887.05	887.32	27.50
253+50.00	27.50	886.44	886.99	887.26	27.50
253+75.00	27.50	886.29	886.84	887.12	27.50
254+00.00	27.50	886.14	886.69	886.97	27.50
254+25.00	27.50	885.99	886.54	886.82	27.50
254+50.00	27.50	885.84	886.39	886.67	27.50
254+75.00	27.50	885.69	886.24	886.51	27.50
255+00.00	27.50	885.54	886.09	886.36	27.50
255+25.00	27.50	885.41	885.96	886.24	27.50
255+50.00	27.50	885.36	885.91	886.18	27.50
255+75.00	27.50	885.37	885.92	886.20	27.50
256+00.00	27.50	885.46	886.01	886.28	27.50
256+25.00	27.50	885.62	886.17	886.44	27.50
256+50.00	27.50	885.85	886.40	886.67	27.50
256+75.00	27.50	886.12	886.67	886.95	27.50
257+00.00	27.50	886.40	886.95	887.23	27.50
257+25.00	27.50	886.68	887.23	887.51	27.50
257+50.00	27.50	886.96	887.51	887.79	27.50
257+75.00	27.50	887.24	887.79	888.07	27.50
258+00.00	27.50	887.52	888.07	888.34	27.50
258+25.00	27.50	887.80	888.35	888.62	27.50
258+50.00	27.50	888.09	888.63	888.90	27.50
258+75.00	27.50	888.36	888.91	889.18	27.50
259+00.00	27.50	888.64	889.19	889.46	27.50
259+25.00	27.50	888.92	889.47	889.74	27.50
259+50.00	27.50	889.20	889.75	890.02	27.50
259+75.00	27.50	889.39	889.94	890.22	27.50
260+00.00	27.50	889.50	890.05	890.32	27.50
260+25.00	27.50	889.51	890.06	890.33	27.50
260+50.00	27.50	889.42	889.97	890.24	27.50
260+75.00	27.50	889.25	889.80	890.08	27.50
261+00.00	27.50	888.98	889.53	889.81	27.50
261+25.00	27.50	888.67	889.22	889.49	27.50
261+50.00	27.50	888.40	888.95	889.22	27.50
261+75.00	27.50	888.25	888.80	889.07	27.50
261+95.00	27.50	888.21	888.76	889.04	27.50
262+00.00	27.50	888.24	888.76	889.04	27.50
262+10.00	27.50	888.33	888.78	889.06	27.50
262+20.00	27.50	888.43	888.81	889.08	27.50
262+30.00	27.50	888.55	888.86	889.14	27.50
262+40.00	27.50	888.69	888.93	889.20	27.50
262+50.00	27.50	888.84	889.01	889.28	27.50
•262+55.04	•27.50	•888.92	•889.06	•889.34	•27.50

NORMAL CROWN AT 2% — SUPERELEVATION TRANSITION LT. SIDE ONLY — FULL SUPERELEVATION RT. SIDE ONLY AT 1.00% — SUPERELEVATION TRANSITION RT. SIDE ONLY — NORMAL CROWN AT 2%



HAMILTON ROAD CENTERLINE PROFILE

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

SEE PROPOSED TYPICAL SECTION SHEETS, PLAN AND PROFILE SHEETS, AND INTERSECTION DETAIL SHEETS FOR ADDITIONAL INFORMATION.

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUPERELEVATION TRANSITION TABLES

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.

SCALE : NONE

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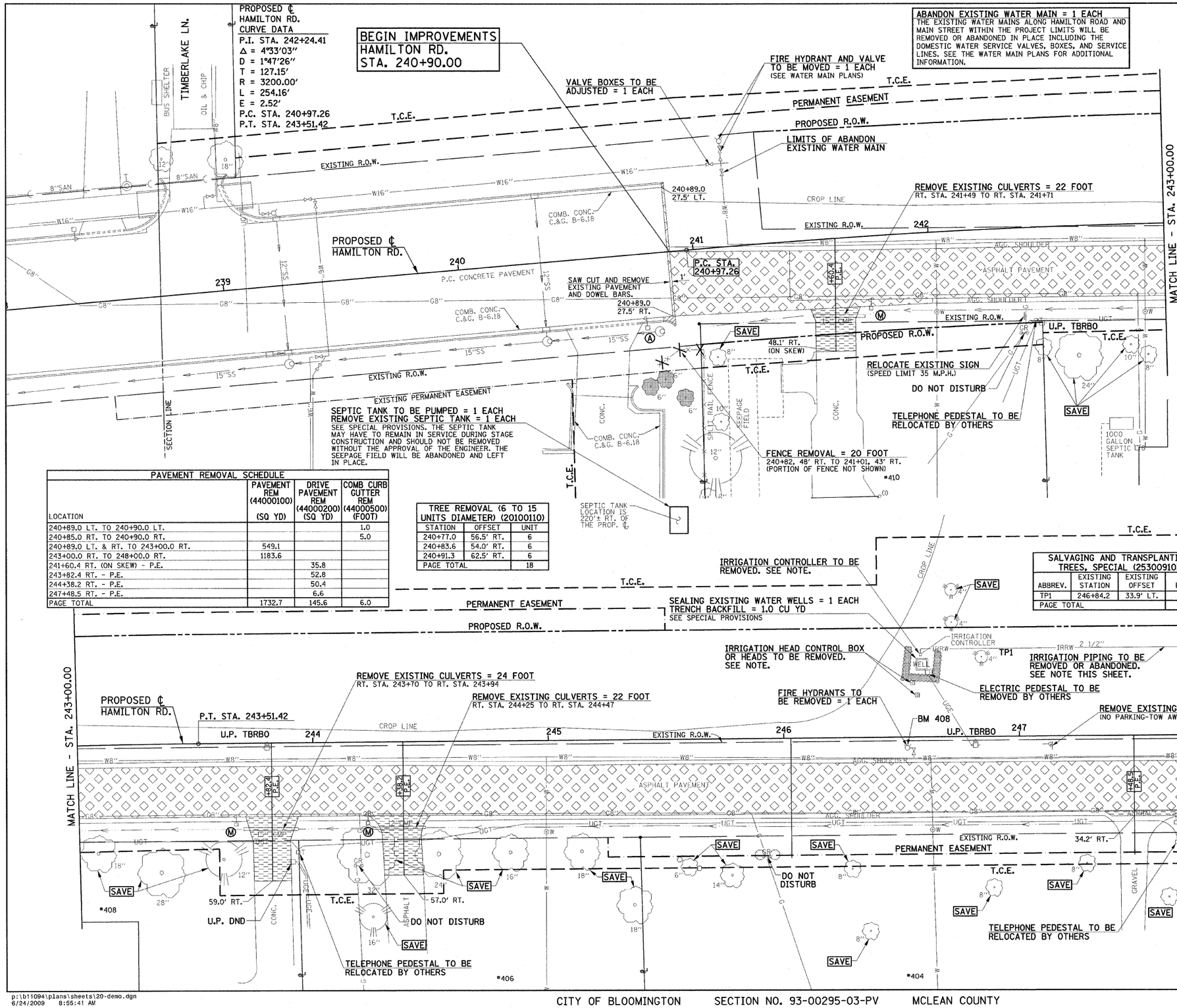
CITY OF BLOOMINGTON SECTION NO. 93-00295-03-PV MCLEAN COUNTY

SHEET 19 OF 109 SHEETS B0110094

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	20
STA. 240+90.00	TO STA. 248+00.00			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351



N

0' 20' 40'

SCALE: 1" = 20'

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
- Ⓜ - MAILBOX TO BE RELOCATED
- Ⓐ - STRUCTURE TO BE ADJUSTED
- Ⓡ - STRUCTURE TO BE REMOVED
- Ⓟ - POST TO BE REMOVED
- OR OR - TREE REMOVAL
- TP1 - EXISTING TREE TO BE TRANSPLANTED
- - PAVEMENT REMOVAL
- - DRIVEWAY PAVEMENT REMOVAL
- - COMBINATION CURB AND GUTTER REMOVAL
- - SIDEWALK REMOVAL
- ×—×—× - EXISTING FENCE
- ×—X—×—X—× - FENCE REMOVAL

NOTE
THE LOCATION OF THE UNDERGROUND IRRIGATION SYSTEM IS UNKNOWN. ANY IRRIGATION EQUIPMENT SUCH AS PIPING, SPRAY HEADS, CONTROLLERS, WIRING, ROTORS, OR CONTROL VALVES THAT ARE WITHIN THE EXISTING OR PROPOSED R.O.W. OR PERMANENT EASEMENT LIMITS AND CONFLICT WITH THE CONSTRUCTION WORK SHALL BE REMOVED BY THE CONTRACTOR. EXISTING PIPES THAT ARE CUT SHALL BE CAPPED TO PREVENT LEAKAGE BY THE CONTRACTOR. CAPPED PIPES SHALL BE MARKED AND DOCUMENTED SO THEIR LOCATIONS CAN BE RE-ESTABLISHED. THE REMOVAL OF THE IRRIGATION SYSTEM SHALL BE AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE VARIOUS PAY ITEMS OF THE CONTRACT.

FOR LOCATIONS OF TREES TO BE TRANSPLANTED, SEE THE TREE PLANTING PLAN SHEETS.

FOR PROPOSED CONSTRUCTION IN THIS AREA SEE PLAN AND PROFILE SHEET NO'S 25 AND 26.

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

SEE PLAN AND PROFILE SHEETS FOR STORM SEWER REMOVAL AND STRUCTURE REMOVAL AND ADJUSTMENT SCHEDULES.

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.

THE REMOVAL OF POSTS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR VARIOUS REMOVAL ITEMS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO VARIATIONS OF POST TYPES OR TO THE EXTENT WHICH THEY BE REINFORCED.

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

PAVEMENT REMOVAL SCHEDULE

LOCATION	PAVEMENT REM (44000100) (SQ YD)	DRIVE PAVEMENT REM (44000200) (SQ YD)	COMB CURB GUTTER REM (44000500) (FOOT)
240+89.0 LT. TO 240+90.0 LT.			1.0
240+85.0 RT. TO 240+90.0 RT.			5.0
240+89.0 LT. & RT. TO 243+00.0 RT.	549.1		
243+00.0 RT. TO 248+00.0 RT.	1183.6		
241+60.4 RT. (ON SKEW) - P.E.		35.8	
243+82.4 RT. - P.E.		52.8	
244+38.2 RT. - P.E.		50.4	
247+48.5 RT. - P.E.		6.6	
PAGE TOTAL	1732.7	145.6	6.0

TREE REMOVAL (6 TO 15 UNITS DIAMETER) (20100110)

STATION	OFFSET	UNIT
240+77.0	56.5' RT.	6
240+83.6	54.0' RT.	6
240+91.3	62.5' RT.	6
PAGE TOTAL		18

SALVAGING AND TRANSPLANTING TREES, SPECIAL (25300910)

ABBREV.	EXISTING STATION	EXISTING OFFSET	EACH
TP1	246+84.2	33.9' LT.	1
PAGE TOTAL			1

ILLINOIS DEPARTMENT OF TRANSPORTATION

REMOVALS/RELOCATIONS PLAN

SCALE : 1"=20'

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.

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CITY OF BLOOMINGTON SECTION NO. 93-00295-03-PV MCLEAN COUNTY HAMILTON ROAD SHEET 20 OF 109 SHEETS B0110094

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	21
STA. 248+00.00	TO STA. 258+00.00			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

PAVEMENT REMOVAL SCHEDULE

LOCATION	PAVEMENT REM (44000100) (SQ YD)	DRIVE PAVEMENT REM (44000200) (SQ YD)	COMB CURB GUTTER REM (44000500) (FOOT)
248+00.0 TO 253+00.0 RT.	1172.4		
253+00.0 TO 258+00.0 LT. & RT.	1172.5		
DICKERSON DRIVE RT.	56.1		2.3
RODGERS ROAD RT.	61.0		10.5
253+52.0 LT. - C.E.		86.2	
SAIL BARN CONC. PAD LT.		106.5	
256+54.0 RT. - P.E.		141.8	
257+75.0 LT. - C.E.		92.9	
PAGE TOTAL	2462.0	427.4	12.8

SALVAGING AND TRANSPLANTING TREES, SPECIAL (25300910)

ABBREV.	EXISTING STATION	EXISTING OFFSET	EACH
TP2	249+62.3	27.0' LT.	1
TP3	252+22.4	49.8' LT.	1
PAGE TOTAL			2

TREE REMOVAL (6 TO 15 UNITS DIAMETER) (20100110)

STATION	OFFSET	UNIT
249+52.7	24.9' LT.	6
249+71.8	28.7' LT.	6
249+79.7	23.9' LT.	6
252+04.3	35.4' LT.	6
252+16.3	40.4' LT.	6
256+86.1	31.4' RT.	12
256+96.2	29.1' RT.	14
PAGE TOTAL		56

TREE REMOVAL (OVER 15 UNITS DIAMETER) (20100210)

STATION	OFFSET	UNIT
256+77.9	30.8' RT.	18
PAGE TOTAL		18

TREE PRUNING (OVER 10 INCH DIA.) = 8 EACH
TREE ROOT PRUNING = 8 EACH
STA. 253+08 RT. TO STA. 254+24 RT.

PROPOSED ℄ HAMILTON RD.
CURVE DATA
P.I. STA. 251+59.84
Δ = 1°30'00"
D = 0°34'23"
T = 130.91'
R = 10000.00'
L = 261.80'
E = 0.86'
P.C. STA. 250+28.93
P.T. STA. 252+90.73

0' 20' 40'
SCALE: 1" = 20'

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
- Ⓜ - MAILBOX TO BE RELOCATED
- Ⓐ - STRUCTURE TO BE ADJUSTED
- Ⓡ - STRUCTURE TO BE REMOVED
- Ⓟ - POST TO BE REMOVED
- TREE OR TREE OR TREE - TREE REMOVAL
- TP1 - EXISTING TREE TO BE TRANSPLANTED
- - PAVEMENT REMOVAL
- - DRIVEWAY PAVEMENT REMOVAL
- - COMBINATION CURB AND GUTTER REMOVAL
- - SIDEWALK REMOVAL
- ×—×—× - EXISTING FENCE
- ×—X—X—× - FENCE REMOVAL

NOTE 1
THE EXISTING SIGNS SHALL BE REMOVED AND DELIVERED TO A LOCATION WITHIN THE CITY LIMITS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE VARIOUS REMOVAL ITEMS.

FOR LOCATIONS OF TREES TO BE TRANSPLANTED, SEE THE TREE PLANTING PLAN SHEETS.

FOR PROPOSED CONSTRUCTION IN THIS AREA SEE PLAN AND PROFILE SHEET NO'S 27 AND 28.

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

SEE PLAN AND PROFILE SHEETS FOR STORM SEWER REMOVAL AND STRUCTURE REMOVAL AND ADJUSTMENT SCHEDULES.

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.

THE REMOVAL OF POSTS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR VARIOUS REMOVAL ITEMS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO VARIATIONS OF POST TYPES OR TO THE EXTENT WHICH THEY BE REINFORCED.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

REMOVALS/RELOCATIONS PLAN

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : 1"=20'

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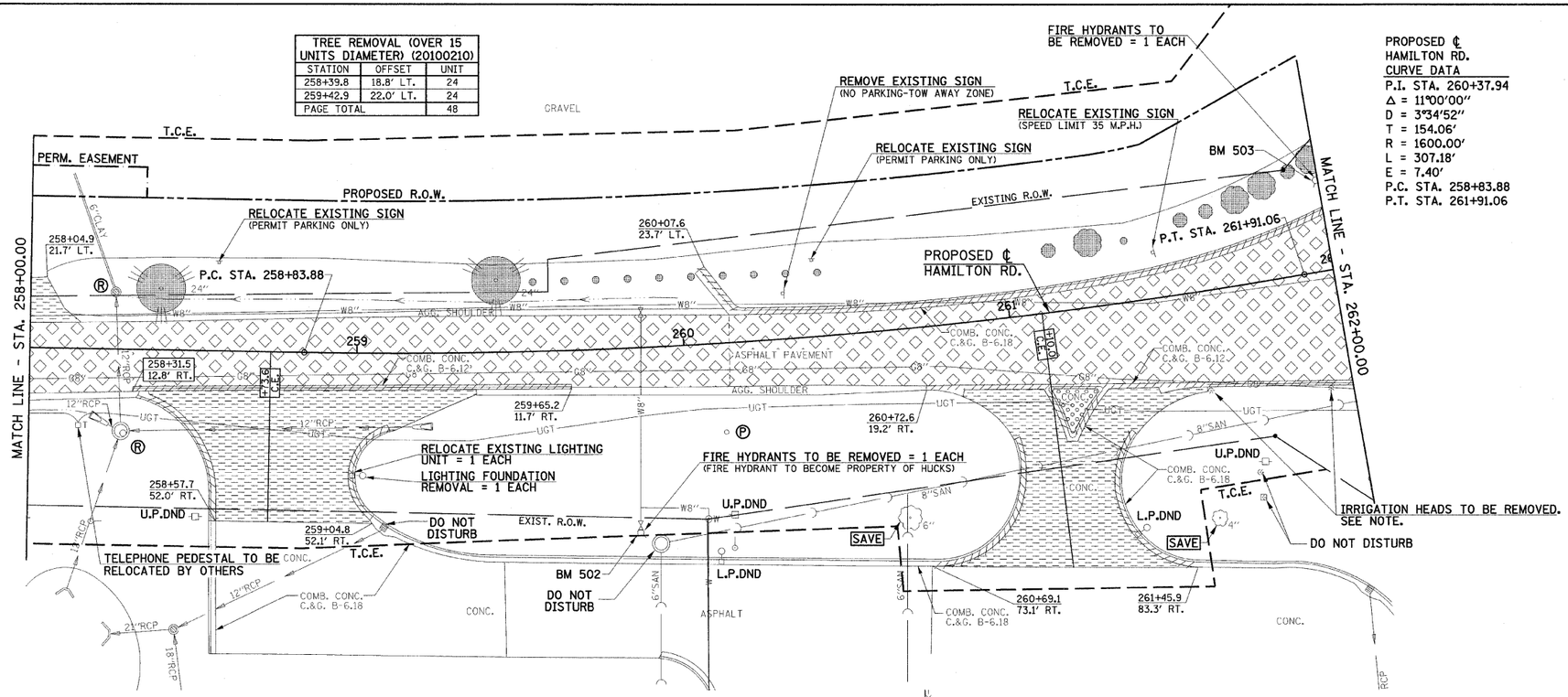
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	22
STA. 258+00/501+00 TO STA. 262+00/504+00				
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

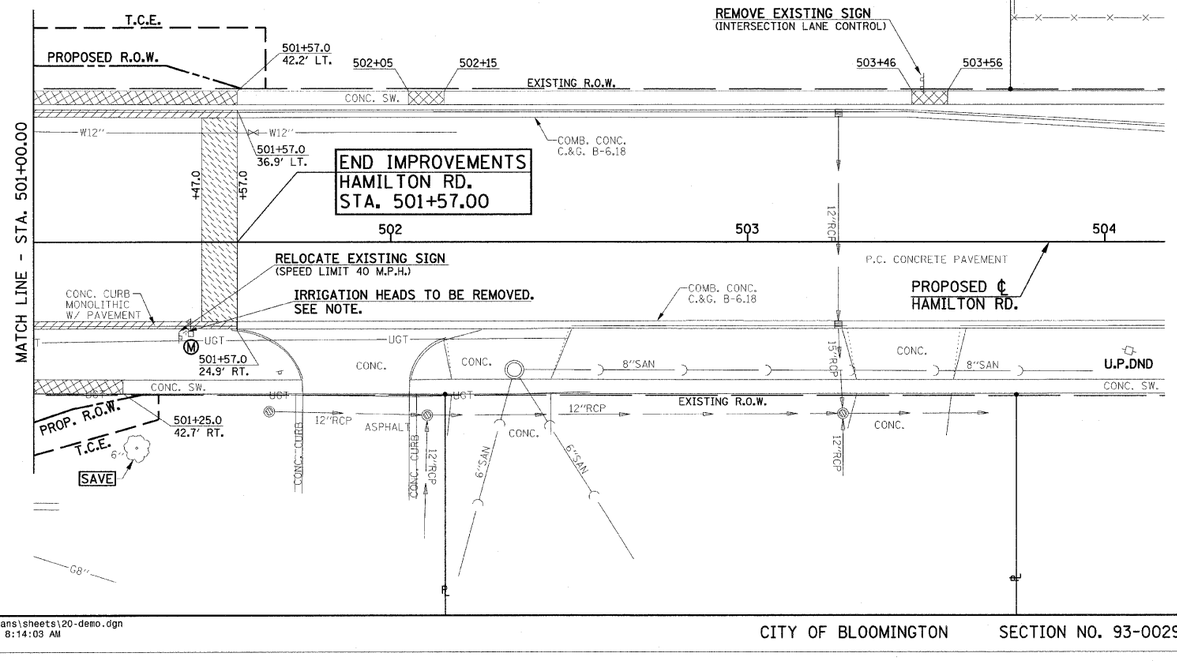
TREE REMOVAL (OVER 15 UNITS DIAMETER) (20100210)		
STATION	OFFSET	UNIT
258+39.8	18.8' LT.	24
259+42.9	22.0' LT.	24
PAGE TOTAL		48



PROPOSED ℄ HAMILTON RD.
CURVE DATA
P.I. STA. 260+37.94
Δ = 11°00'00"
D = 3°34'52"
T = 154.06'
R = 1600.00'
L = 307.18'
E = 7.40'
P.C. STA. 258+83.88
P.T. STA. 261+91.06

N
0' 20' 40'
SCALE: 1" = 20'

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
- Ⓜ - MAILBOX TO BE RELOCATED
- Ⓐ - STRUCTURE TO BE ADJUSTED
- Ⓡ - STRUCTURE TO BE REMOVED
- Ⓟ - POST TO BE REMOVED
- OR OR - TREE REMOVAL
- TP1 - EXISTING TREE TO BE TRANSPLANTED
- - PCC SURFACE REMOVAL - BUTT JOINT (SEE DETAIL)
- - PAVEMENT REMOVAL
- - DRIVEWAY PAVEMENT REMOVAL
- - COMBINATION CURB AND GUTTER REMOVAL
- - SIDEWALK REMOVAL
- - MEDIAN REMOVAL
- ×—×—× - EXISTING FENCE
- ×—X—X—× - FENCE REMOVAL



NOTE
THE LOCATION OF THE UNDERGROUND IRRIGATION SYSTEM IS UNKNOWN. ANY IRRIGATION EQUIPMENT SUCH AS PIPING, SPRAY HEADS, CONTROLLERS, WIRING, ROTORS, OR CONTROL VALVES THAT ARE WITHIN THE EXISTING OR PROPOSED R.O.W. OR PERMANENT EASEMENT LIMITS AND CONFLICT WITH THE CONSTRUCTION WORK SHALL BE REMOVED BY THE CONTRACTOR. EXISTING PIPES THAT ARE CUT SHALL BE CAPPED TO PREVENT LEAKAGE BY THE CONTRACTOR. CAPPED PIPES SHALL BE MARKED AND DOCUMENTED SO THEIR LOCATIONS CAN BE RE-ESTABLISHED. THE REMOVAL OF THE IRRIGATION SYSTEM SHALL BE AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE VARIOUS PAY ITEMS OF THE CONTRACT.

N
0' 20' 40'
SCALE: 1" = 20'

PAVEMENT REMOVAL SCHEDULE

LOCATION	PCC SURF REM BUTT JT (40600985) (SQ YD)	PAVEMENT REM (44000100) (SQ YD)	MEDIAN REM (44003100) (SQ FT)	DRIVE PAVEMENT REM (44000200) (SQ YD)	COMB CURB GUTTER REM (44000500) (FOOT)	SIDEWALK REM (44000600) (SQ FT)
258+00.0 TO 262+00.0 LT. & RT.		1123.8				
258+73.6 RT. - C.E.				249.1		
258+31.5 TO 259+65.2 RT.					134.3	
258+33.2 TO 258+57.7 RT.					48.2	
259+04.8 TO 259+10.1 RT.					35.0	
260+07.6 TO 262+00.0 LT.					200.4	
261+10.3 TO 261+24.0 RT.			97.7		29.8	
261+10.0 RT. - C.E.				225.6		
260+72.6 TO 262+00 RT.					130.5	
260+69.1 TO 260+97.4 RT.					53.8	
261+45.9 TO 261+33.3 RT.					54.0	
501+00.0 TO 501+25.0 RT.						97.7
501+00.0 TO 501+57.0 RT.					57.0	
501+00.0 TO 501+57.0 LT.					57.0	221.0
501+47.0 TO 501+57.0 LT. & RT.						
502+05 TO 502+15 LT.						40.0
503+46 TO 503+56 LT.	63.3					40.0
PAGE TOTAL	63.3	1123.8	97.7	474.7	800.0	398.7

FOR PROPOSED CONSTRUCTION IN THIS AREA SEE PLAN AND PROFILE SHEET NO'S 29 AND 30.

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

SEE PLAN AND PROFILE SHEETS FOR STORM SEWER REMOVAL AND STRUCTURE REMOVAL AND ADJUSTMENT SCHEDULES.

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.

THE REMOVAL OF POSTS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR VARIOUS REMOVAL ITEMS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO VARIATIONS OF POST TYPES OR TO THE EXTENT WHICH THEY BE REINFORCED.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

REMOVALS/RELOCATIONS PLAN

SCALE : 1"=20'

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	23
STA. 293+00.00	TO STA. 301+60.00			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

0' 20' 40'
SCALE: 1" = 20'

PAVEMENT REMOVAL SCHEDULE

LOCATION	HMA SURF REM 2 1/2" (44000159) (SQ YD)	PAVEMENT REM (44000100) (SQ YD)	MEDIAN REM (44003100) (SQ FT)	DRIVE PAVEMENT REM (44000200) (SQ YD)	COMB CURB GUTTER REM (44000500) (FOOT)	CURB REM (44000300) (FOOT)	SIDEWALK REM (44000600) (SQ FT)
CITY - HAMILTON ROAD							
262+00.0 TO 262+67.0 LT. & RT.		594.9			166.6		
CITY - HAMILTON ROAD SUBTOTAL		594.9			166.6		
CITY - MAIN STREET							
294+16.0 RT. TO 297+00.0 RT.	31.6				286.7		1143.9
297+00.0 RT. TO 300+22.5 RT.	35.8						
297+00.0 RT. TO 298+10.7 RT.					142.9		
299+55.4 RT. TO 300+22.5 RT.					67.2		
297+24.0 RT. - C.E.				68.9			
297+00.0 RT. TO 262+24.1 LT.							515.3
262+47.7 RT. TO 300+09.8 RT.							391.0
297+45.8 LT. TO 301+60.0 LT.	484.7						
297+45.8 LT. TO 501+00.0 LT.					147.9		
501+00.0 RT. TO 301+60.0 LT.					289.2	71.2	
298+01.0 LT. TO 298+51.9 LT.			375.1		68.5		
298+32.0 LT. TO 501+00.0 LT.							211.1
501+00.0 RT. TO 299+33.9 LT.							249.4
300+00.7 LT. - C.E.				214.0			
CITY - MAIN STREET SUBTOTAL	552.1		375.1	282.9	1002.4	71.2	2510.7
PAGE TOTAL	552.1	594.9	375.1	282.9	1169.0	71.2	2510.7

CLASS B PATCHES, 9 INCH

LOCATION	TYPE III (44200962) (SQ YD)
CITY - MAIN STREET	
298+71 LT.	24.8
PAGE TOTAL	24.8

TREE REMOVAL (6 TO 15 UNITS DIAMETER) (20100110)

STATION	OFFSET	UNIT
CITY -MAIN STREET		
300+57.3	47.3' LT.	6
301+03.1	47.5' LT.	6
301+50.9	46.7' LT.	6
PAGE TOTAL		18

BEGIN IMPROVEMENTS
U.S. RTE. 51 (MAIN ST.)
STA. 294+16.00

EXISTING ℄ U.S. RTE. 51 (MAIN ST.) CURVE DATA
P.I. STA. 293+53.59 L = 911.34'
Δ = 13°40'12" E = 27.34'
D = 1°30'00" P.C. STA. 288+95.75 (NOT SHOWN)
T = 457.84' P.T. STA. 298+07.09
R = 3819.72'

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
- Ⓜ - MAILBOX TO BE RELOCATED
- Ⓐ - STRUCTURE TO BE ADJUSTED
- Ⓡ - STRUCTURE TO BE REMOVED
- Ⓟ - POST TO BE REMOVED
- OR OR OR - TREE REMOVAL
- TP1 - EXISTING TREE TO BE TRANSPLANTED
- - HOT-MIX ASPHALT SURFACE REMOVAL 2 1/2"
- - PAVEMENT REMOVAL
- - DRIVEWAY PAVEMENT REMOVAL
- - COMBINATION CURB AND GUTTER REMOVAL OR CURB REMOVAL
- - SIDEWALK REMOVAL
- - MEDIAN REMOVAL
- III - CLASS B PATCH 9" (III INDICATES TYPE)
- - EXISTING FENCE
- - FENCE REMOVAL

NOTE
THE LOCATION OF THE UNDERGROUND IRRIGATION SYSTEM IS UNKNOWN. ANY IRRIGATION EQUIPMENT SUCH AS PIPING, SPRAY HEADS, CONTROLLERS, WIRING, ROTORS, OR CONTROL VALVES THAT ARE WITHIN THE EXISTING OR PROPOSED R.O.W. OR PERMANENT EASEMENT LIMITS AND CONFLICT WITH THE CONSTRUCTION WORK SHALL BE REMOVED BY THE CONTRACTOR. EXISTING PIPES THAT ARE CUT SHALL BE CAPPED TO PREVENT LEAKAGE BY THE CONTRACTOR. CAPPED PIPES SHALL BE MARKED AND DOCUMENTED SO THEIR LOCATIONS CAN BE RE-ESTABLISHED. THE REMOVAL OF THE IRRIGATION SYSTEM SHALL BE AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE VARIOUS PAY ITEMS OF THE CONTRACT.

FOR PROPOSED CONSTRUCTION IN THIS AREA SEE PLAN AND PROFILE SHEET NO'S 31 AND 32.

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

SEE PLAN AND PROFILE SHEETS FOR STORM SEWER REMOVAL AND STRUCTURE REMOVAL AND ADJUSTMENT SCHEDULES.

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.

THE REMOVAL OF POSTS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR VARIOUS REMOVAL ITEMS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO VARIATIONS OF POST TYPES OR TO THE EXTENT WHICH THEY BE REINFORCED.

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

NOTE 1:
THE FOLLOWING TRAFFIC SIGNAL ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF PER THE RESPECTIVE CONTRACT PAY ITEMS:

ITEM	UNIT	QTY
CONCRETE FOUNDATION	EACH	9
HANDHOLES	EACH	5
JUNCTION BOXES	EACH	2

NOTE 2:
SEE THE TRAFFIC SIGNAL PLANS FOR ADDITIONAL TRAFFIC SIGNAL EQUIPMENT TO BE REMOVED.

ILLINOIS DEPARTMENT OF TRANSPORTATION

REMOVALS/RELOCATIONS PLAN

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : 1"=20'

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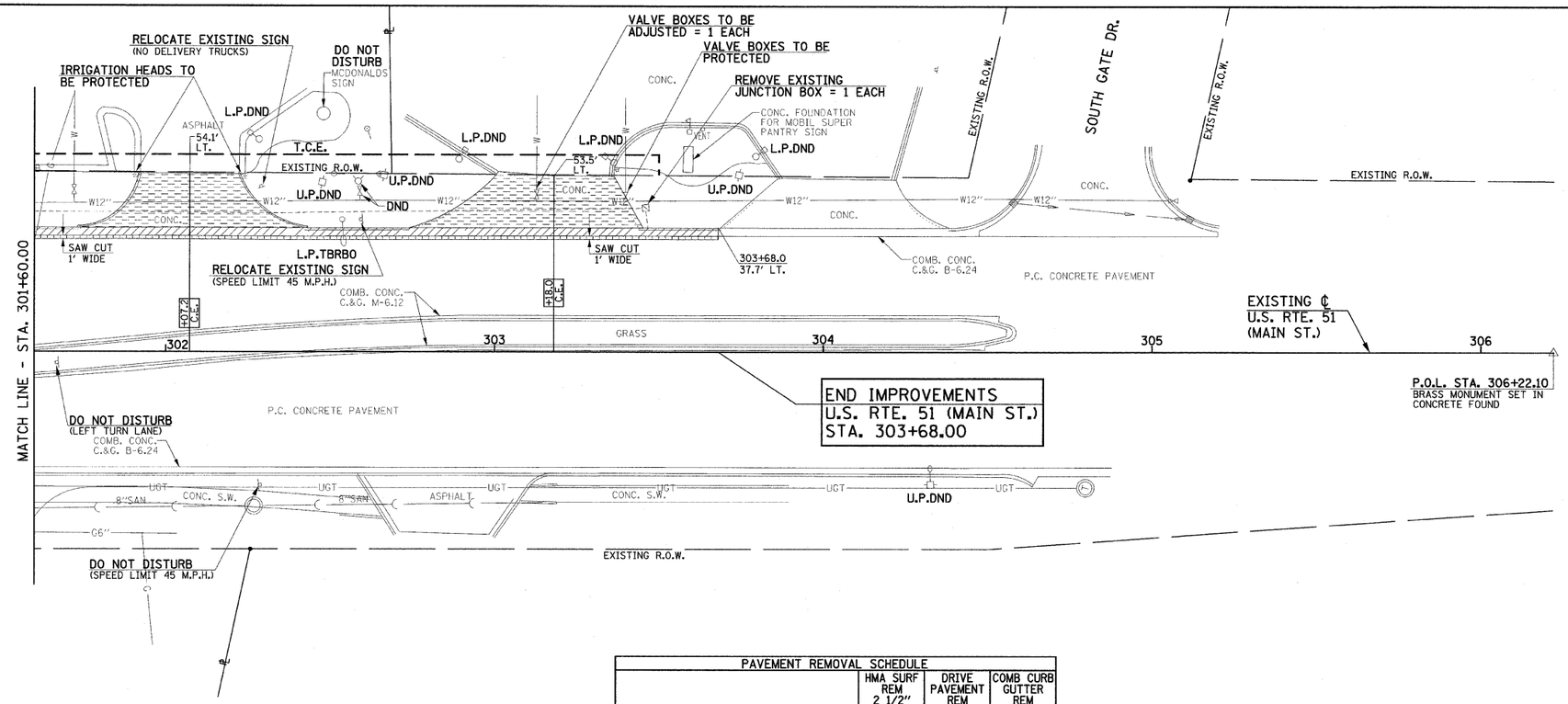
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	24
STA. 301+60.00	TO STA. 306+22.10			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351



PAVEMENT REMOVAL SCHEDULE			
LOCATION	HMA SURF REM 2 1/2" (44000159) (SQ YD)	DRIVE PAVEMENT REM (44000200) (SQ YD)	COMB CURB GUTTER REM (44000500) (FOOT)
CITY - MAIN STREET			
301+60.0 LT. TO 303+68.0 LT.	23.1		208.0
302+07.2 LT. - C.E.		78.4	
303+18.0 LT. - C.E.		91.0	
PAGE TOTAL	23.1	169.4	208.0

0' 20' 40'
SCALE: 1" = 20'

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
- Ⓜ - MAILBOX TO BE RELOCATED
- Ⓐ - STRUCTURE TO BE ADJUSTED
- Ⓡ - STRUCTURE TO BE REMOVED
- Ⓟ - POST TO BE REMOVED
- TREE OR OR OR - TREE REMOVAL
- TP1 - EXISTING TREE TO BE TRANSPLANTED
- - HOT-MIX ASPHALT SURFACE REMOVAL 2 1/2"
- - PAVEMENT REMOVAL
- - DRIVEWAY PAVEMENT REMOVAL
- - COMBINATION CURB AND GUTTER REMOVAL
- - SIDEWALK REMOVAL
- - EXISTING FENCE
- - FENCE REMOVAL

FOR PROPOSED CONSTRUCTION IN THIS AREA SEE PLAN AND PROFILE SHEET NO 33.

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

SEE PLAN AND PROFILE SHEETS FOR STORM SEWER REMOVAL AND STRUCTURE REMOVAL AND ADJUSTMENT SCHEDULES.

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.

THE REMOVAL OF POSTS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR VARIOUS REMOVAL ITEMS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO VARIATIONS OF POST TYPES OR TO THE EXTENT WHICH THEY BE REINFORCED.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

REMOVALS/RELOCATIONS PLAN

SCALE : 1"=20'

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	25
STA. 238+00.00	TO STA. 243+00.00			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

SEC. 16, T.23 N., R.2 E., 3rd P.M.
MCLEAN COUNTY, ILLINOIS

PROPOSED ℄
HAMILTON RD.
CURVE DATA
P.I. STA. 242+24.41
Δ = 4°33'03"
D = 1°47'26"
T = 127.15'
R = 3200.00'
L = 254.16'
E = 2.52'
P.C. STA. 240+97.26
P.T. STA. 243+51.42
S.E. = NONE

N
0' 20' 40'
SCALE: 1" = 20'

LEGEND
PROPOSED PCC DRIVEWAY PAVEMENT (6" FOR P.E. - 8" FOR C.E.)

FOR REMOVAL/RELOCATION PLAN IN THIS AREA SEE SHEET NO. 20.

SEE HORIZONTAL ALIGNMENT LAYOUT AND CONTROL SHEETS FOR ADDITIONAL INFORMATION.

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

SEE PAVEMENT JOINTS, WATER MAIN, AND SANITARY SEWER PLAN AND PROFILE SHEETS FOR ADDITIONAL INFORMATION.

SEE THE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLANS FOR THE VARIOUS STAGES AND CONSTRUCTION SEQUENCES ON HAMILTON RD.

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / GRADES CHECKED / CADD FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / CADD FILE NAME / NOTE BOOK / NO. / STRUCTURE NO'S CHKD / BY / DATE

BEGIN IMPROVEMENTS
HAMILTON RD.
STA. 240+90.00
(MATCH EXISTING)

BEGIN PROPOSED HMA SC MIX "C" N70 (2") OVER AGG BASE CSE A 6
239+15.55, 44.58' LT.

BEGIN PROPOSED PC CONCRETE SIDEWALK 4"
240+69.61, 39.58' RT.

PROPOSED HMA SC MIX "C" N70 (2") OVER AGG BASE CSE, TYPE A 6"
PROPOSED COMB CC&G TB6.18
CONSTRUCTION LIMITS
PROPOSED SANITARY SEWER
PROPOSED WATER MAIN
TEMPORARY CONSTRUCTION EASEMENT
PERMANENT EASEMENT
EXISTING R.O.W.
EXISTING PERMANENT EASEMENT
PROP. R.O.W.
PROPOSED ℄ HAMILTON RD.
P.C. CONCRETE PAVEMENT
P.O.L. STA. 238+87.50
P.K. NAIL SET
P.C. STA. 240+97.26
P.I. STA. 242+24.41
94°00'00" TO LOCAL TAN.
CROP LINE
ASPHALT PAVEMENT
AGG. SHOULDER
MATCH LINE - STA. 243+00.00
SECTION LINE
TIMBERLAKE LN.
OIL & CHIP
BUS SHELTER
COMB. CONC. C.&G. B-6.18
240+97.26 27.50' LT.
240+85.00 27.50' RT.
240+97.26 27.50' RT.
12"SS @ 1.00%
15"SS @ 3.06%
12"SS @ 3.30%
15"SS WMQ @ 1.20%
15"SS @ 1.20%
15"SS @ 0.40%
15"SS WMQ @ 0.40%
T.C.E.
CONSTRUCTION LIMITS
PROPOSED COMB CC&G TB6.18
PROPOSED PC CONC SIDEWALK 4
241+60.4, 48.1' RT. (ON SKEW)
17.0' P.E. (PCC)
CONCRETE APRON TO 34.6' RT. ON SKEW AT +6.0% AND CONCRETE TO 48.1' RT. ON SKEW AT +8.0%
PROPOSED SANITARY SEWER
SEEPAGE FIELD
RAIL FENCE
1000 GALLON SEPTIC TANK
MATCH LINE - SEE THIS SHEET
*410

SEC. 16, T.23 N., R.2 E., 3rd P.M.
MCLEAN COUNTY, ILLINOIS
MATCH LINE - SEE THIS SHEET

PROPOSED SANITARY SEWER
1600 GAL. SEPTIC TANK
T.C.E.
CONSTRUCTION LIMITS
SEPTIC TANK LIDS

HAMILTON ROAD ROADWAY PROFILE PREVIOUSLY CONSTRUCTED FROM STA. 240+90.00 TO WEST SEC. 93-00295-02-PV
+90.00 P.V.C. 241+00.00 ELEV. 886.69
P.V.I. 242+00.00 ELEV. 889.39 (888.81)
P.V.T. 243+00.00 ELEV. 889.79
PROPOSED PROFILE GRADE LINE
EXISTING GROUND PROFILE ALONG PROPOSED CENTERLINE
200.00' V.C.
+2.70%
+0.40%
PROP. 15"SS @ 3.06%
PROP. 15"SS @ 1.20%
PROP. 15"SS WMQ @ 1.20%
PROP. 15"SS @ 0.40%
PROP. 15"SS WMQ @ 0.40%
SEE CROSS SECTION SHEETS FOR LIMITS OF TOPSOIL EXCAVATION AND EARTH UNDERCUT.

895 890 885 880 875 870 865 860 855

883.99 885.34 886.42 886.42 886.50 886.69 887.81 887.90 888.56 888.81 888.85 889.45 888.94 889.79

240+00 240+50 +90 241+00 241+50 242+00 242+50 243+00

STORM SEWER PIPE SCHEDULE

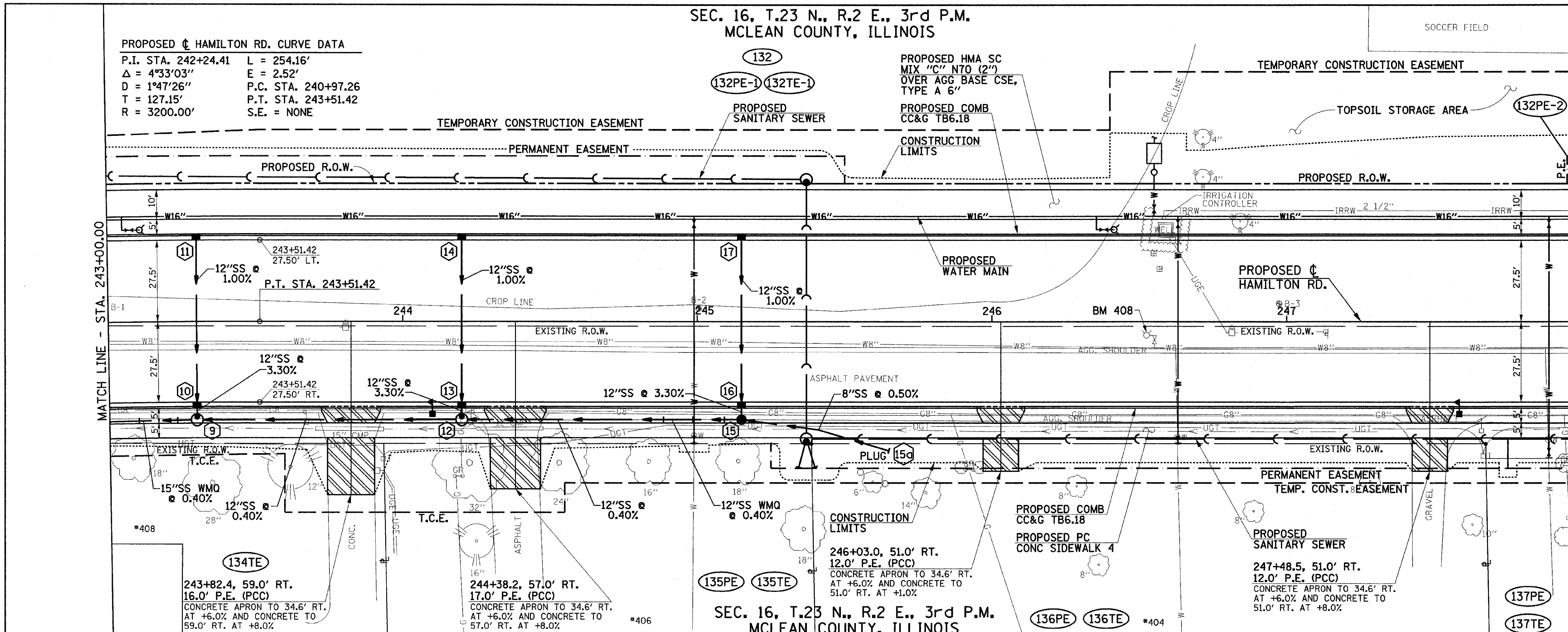
LOCATION STR. - STR. OR STA., O.S.	CONCRETE COLLAR (54248515) (EACH)	SS 2 WMQ 15 (X0321908) (FOOT)	STORM SEW CL A 2 12 (550A0340) (FOOT)	STORM SEW CL A 2 15 (550A0360) (FOOT)	GRADE %	TRENCH BACKFILL (20800150) (CU YD)
2 - 3				52	3.06	27.5
3 - 4			3		3.30	0.5
4 - 5			56		1.00	10.6
3 - 6	1	40		45	1.20	38.4
6 - 7			3		3.30	0.5
7 - 8			56		1.00	10.9
6 - 9	1	50		45	0.40	68.4

CONCRETE COLLARS SHALL BE USED TO CONNECT STORM SEWERS OF DIFFERENT MATERIAL TYPES

STORM SEWER STRUCTURE SCHEDULE

STR. NO.	STRUCTURE TYPE	OFF-SET SIDE	STA. OF C/L 2 FT. OPENING	OFFSET OF C/L 2 FT. OPENING	STA. OF C/L STR.	OFFSET OF C/L STR.	EX. T/O FRAME/ GRATE ELEV.	PR. T/O FRAME/ GRATE ELEV.	PR. T/O FLAT SLAB TOP ELEV.	INVERT IN ELEV.	U.S. STR. NO.	INVERT OUT ELEV.	D.S. STR. NO.
1	MAN ADJUST NEW T1 CL	RT	•240+84.00	•33.50	240+83.00	33.50	•885.50	886.20	----	880.51	2	880.41	WEST
2	CONNECT TO EXISTING MH	RT	----	----	•240+84.00	•33.50	----	----	----	•880.51	3	•880.51	1
3	RD MAN TA 4 DIA T1 CL	RT	241+40.00	32.50	241+40.00	33.50	----	887.60	886.50	882.35	4	882.10	2
										882.63	6		
4	INLETS SPECIAL TYPE H	RT	241+40.00	28.60	241+40.00	28.60	----	887.13	----	882.54	5	882.45	3
5	INLETS SPECIAL TYPE H	LT	241+40.00	28.60	241+40.00	28.60	----	887.13	----	----	----	883.10	4
6	RD MAN TA 4 DIA T1 CL	RT	242+30.00	32.50	242+30.00	33.50	----	889.15	888.05	883.85	7	883.65	3
										883.87	9		
7	INLETS SPECIAL TYPE H	RT	242+30.00	28.60	242+30.00	28.60	----	888.68	----	884.04	8	883.95	6
8	INLETS SPECIAL TYPE H	LT	242+30.00	28.60	242+30.00	28.60	----	888.68	----	----	----	884.60	7

•FIELD VERIFY LOCATION AND ELEVATIONS



N
0' 20' 40'
SCALE: 1" = 20'

LEGEND
[hatched] – PROPOSED PCC DRIVEWAY PAVEMENT (6" FOR P.E. - 8" FOR C.E.)

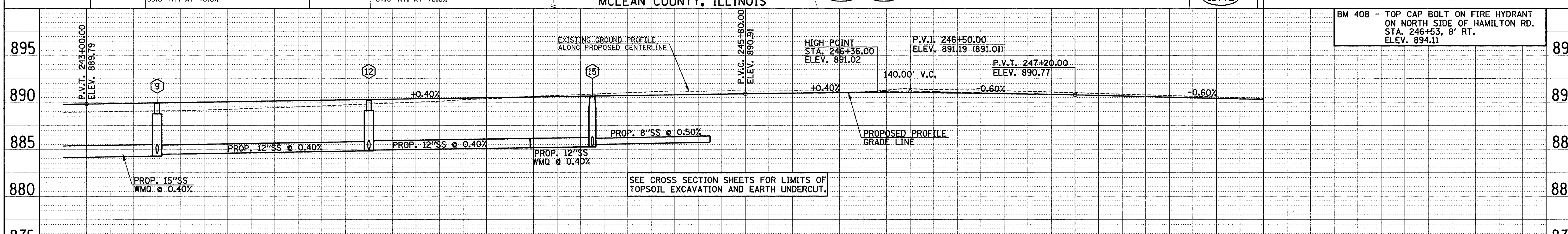
FOR REMOVAL/RELOCATION PLAN IN THIS AREA SEE SHEET NO. 20.

SEE HORIZONTAL ALIGNMENT LAYOUT AND CONTROL SHEETS FOR ADDITIONAL INFORMATION.

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

SEE PAVEMENT JOINTS, WATER MAIN, AND SANITARY SEWER PLAN AND PROFILE SHEETS FOR ADDITIONAL INFORMATION.

SEE THE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLANS FOR THE VARIOUS STAGES AND CONSTRUCTION SEQUENCES ON HAMILTON RD.



BM 408 - TOP CAP BOLT ON FIRE HYDRANT ON NORTH SIDE OF HAMILTON RD. STA. 246+53, 8' RT. ELEV. 894.11

SEE CROSS SECTION SHEETS FOR LIMITS OF TOPSOIL EXCAVATION AND EARTH UNDERCUT.

STORM SEWER STRUCTURE SCHEDULE

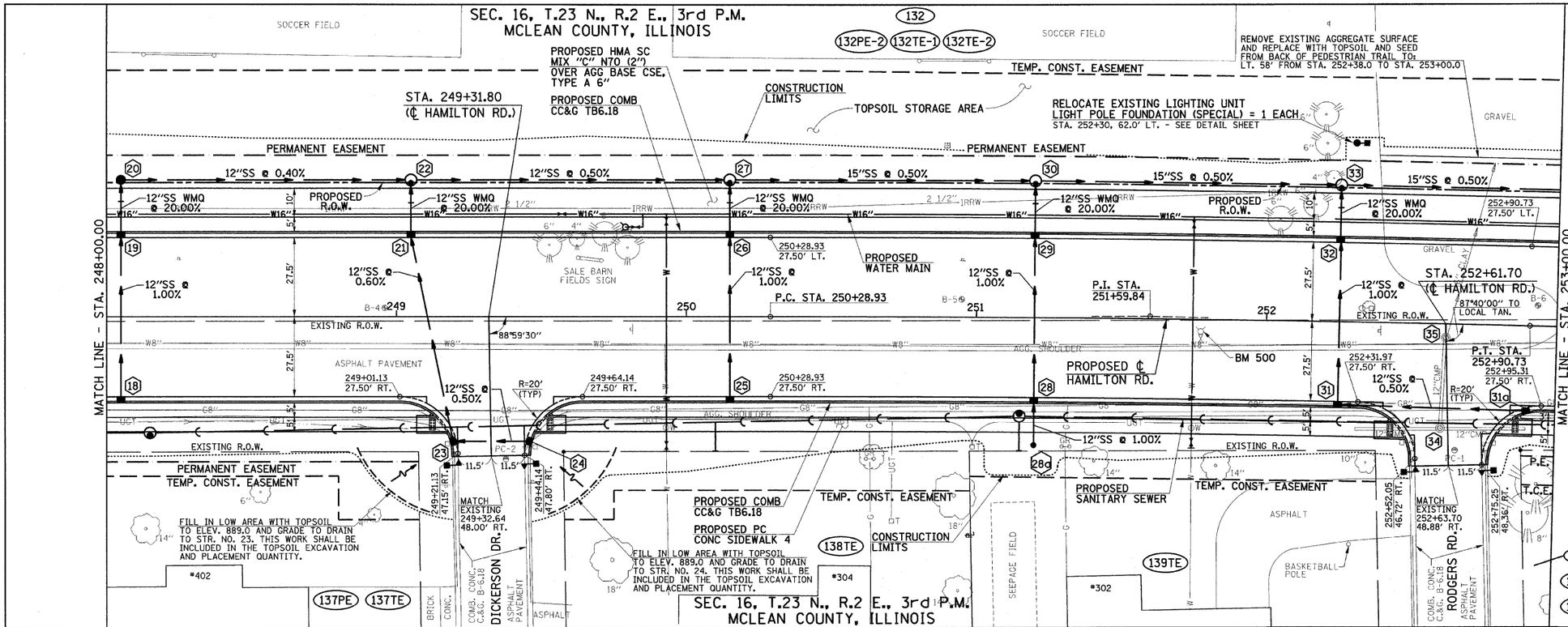
STR. NO.	STRUCTURE TYPE	OFF-SET SIDE	STA. OF C/L 2 FT. OPENING	OFFSET OF C/L 2 FT. OPENING	STA. OF C/L STR.	OFFSET OF C/L STR.	EX. T/O FRAME/ GRATE ELEV.	PR. T/O FRAME/ GRATE ELEV.	PR. T/O FLAT SLAB TOP ELEV.	INVERT IN ELEV.	U.S. STR. NO.	INVERT OUT ELEV.	D.S. STR. NO.
9	RD MAN TA 4 DIA T1 CL	RT	243+30.00	32.50	243+30.00	33.50	----	889.83	888.73	884.55	10	884.25	6
										884.45	12		
10	INLETS SPECIAL TYPE H	RT	243+30.00	28.60	243+30.00	28.60	----	889.36	----	884.74	11	884.65	9
11	INLETS SPECIAL TYPE H	LT	243+30.00	28.60	243+30.00	28.60	----	889.36	----	----	----	885.30	10
12	RD MAN TA 4 DIA T1 CL	RT	244+20.00	32.50	244+20.00	33.50	----	890.19	889.09	884.95	13	884.80	9
										884.88	15		
13	INLETS SPECIAL TYPE H	RT	244+20.00	28.60	244+20.00	28.60	----	889.72	----	885.14	14	885.05	12
14	INLETS SPECIAL TYPE H	LT	244+20.00	28.60	244+20.00	28.60	----	889.72	----	----	----	885.70	13
15	INLETS TB T1 CL	RT	245+15.00	33.00	245+15.00	33.50	----	890.58	----	885.35	16	885.25	12
										885.50	15a		
15a	SUMP PUMP CONNECTION	RT	----	----	245+65.00	44.00	----	----	----	----	----	885.75	15
16	INLETS SPECIAL TYPE H	RT	245+15.00	28.60	245+15.00	28.60	----	890.10	----	885.54	17	885.45	15
17	INLETS SPECIAL TYPE H	LT	245+15.00	28.60	245+15.00	28.60	----	890.10	----	----	----	886.10	16

STORM SEWER PIPE SCHEDULE

LOCATION STR. - STR. OR STA., O.S.	CONCRETE COLLAR (54248515) (EACH)	SS 2 WMQ 12 (X0321907) (FOOT)	STORM SEW CL A 2 12 (550A0340) (FOOT)	STORM SEW CL B 1 8 (550B0030) (FOOT)	GRADE %	TRENCH BACKFILL (20800150) (CU YD)
9 - 10			3		3.30	0.5
10 - 11			56		1.00	10.8
9 - 12			86		0.40	59.9
12 - 13			3		3.30	0.5
13 - 14			56		1.00	10.5
12 - 15	1	25	67		0.40	40.5
15 - 16			3		3.30	0.5
15 - 15a				50	0.50	6.8
16 - 17			56		1.00	10.4

CONCRETE COLLARS SHALL BE USED TO CONNECT STORM SEWERS OF DIFFERENT MATERIAL TYPES

	243+00	243+50	244+00	244+50	245+00	245+50	246+00	246+50	247+00	247+50	248+00
Existing	888.94	889.16	889.60	890.09	890.72	891.20	891.23	891.46	891.16	890.79	890.37
Proposed	889.79	889.99	890.19	890.39	890.59	890.79	890.98	891.01	890.88	890.59	890.29



PROPOSED ℄ HAMILTON RD.
CURVE DATA
P.I. STA. 251+59.84
Δ = 1°30'00"
D = 0°34'23"
T = 130.91'
R = 10000.00'
L = 261.80'
E = 0.86'
P.C. STA. 250+28.93
P.T. STA. 252+90.73
S.E. = SEE NOTE 1 AND S.E. TRANSITION TABLES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	27
STA. 248+00.00		TO STA. 253+00.00		
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

N
0' 20' 40'
SCALE: 1" = 20'

LEGEND
– PROPOSED SIDEWALK RAMP (SEE DETAIL)

FOR REMOVAL/RELOCATION PLAN IN THIS AREA SEE SHEET NO. 21.

SEE HORIZONTAL ALIGNMENT LAYOUT AND CONTROL SHEETS FOR ADDITIONAL INFORMATION.

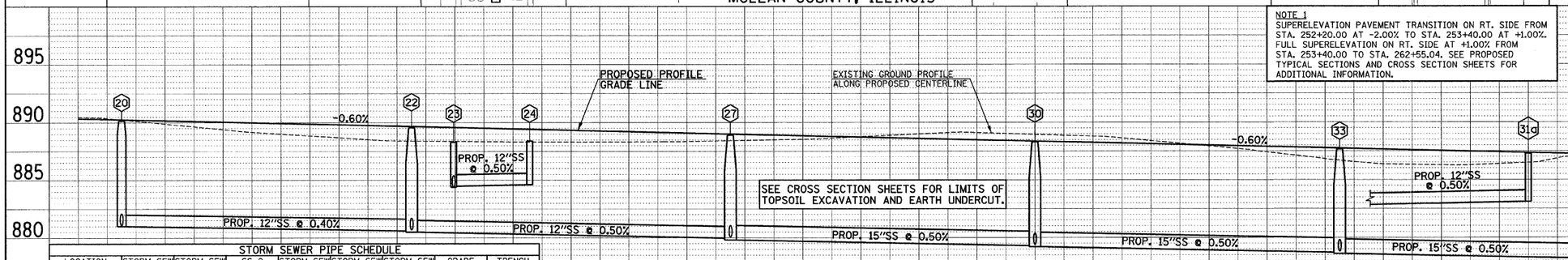
SEE SCHEDULE OF QUANTITIES FOR TYPICAL SECTION PAVEMENT PAY ITEMS AND THEIR LOCATIONS.

SEE PAVEMENT JOINTS, INTERSECTION DETAILS, WATER MAIN, SANITARY SEWER, AND STORM SEWER OUTFALL PLAN AND PROFILE SHEETS FOR ADDITIONAL INFORMATION.

SEE THE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLANS FOR THE VARIOUS STAGES AND CONSTRUCTION SEQUENCES ON HAMILTON RD.

NOTE 1
SUPERELEVATION PAVEMENT TRANSITION ON RT. SIDE FROM STA. 252+20.00 AT -2.00% TO STA. 253+40.00 AT +1.00%. FULL SUPERELEVATION ON RT. SIDE AT +1.00% FROM STA. 253+40.00 TO STA. 262+55.04. SEE PROPOSED TYPICAL SECTIONS AND CROSS SECTION SHEETS FOR ADDITIONAL INFORMATION.

BM 500 - TOP N.W. FLANGE BOLT ON FIRE HYDRANT ON NORTH SIDE OF HAMILTON RD. STA. 251+77, 4' RT. ELEV. 889.70



STORM SEWER PIPE SCHEDULE

LOCATION STR. - STR. OR STA., O.S.	STORM SEW REM 6 (55100200) (FOOT)	STORM SEW REM 12 (55100500) (FOOT)	SS 2 WMQ 12 (X0321907) (FOOT)	STORM SEW CL A 1 12 (550A0050) (FOOT)	STORM SEW CL A 2 12 (550A0340) (FOOT)	STORM SEW CL A 2 15 (550A0360) (FOOT)	GRADE % 1.00	TRENCH BACKFILL (20800150) (CU YD)
18 - 19					56		20.00	11.6
19 - 20			17				0.40	14.4
20 - 22					97		20.00	123.0
21 - 22			16				0.60	13.3
21 - 23					72		0.50	14.9
23 - 24				24			0.50	2.4
22 - 27					106		1.00	133.5
25 - 26					56		20.00	11.9
26 - 27			16				0.50	13.2
27 - 30						101	1.00	133.2
28a - 28					14		1.00	1.9
28 - 29					56		20.00	11.7
29 - 30			16				0.50	13.3
30 - 33						101	1.00	132.7
31 - 32					56		0.50	13.3
31 - 31a					62		20.00	9.9
32 - 33			16				0.50	13.2
33 - 36						120		157.1
34		57						10.8
34 - 35	60	29						4.0
35								9.3

STORM SEWER STRUCTURE SCHEDULE

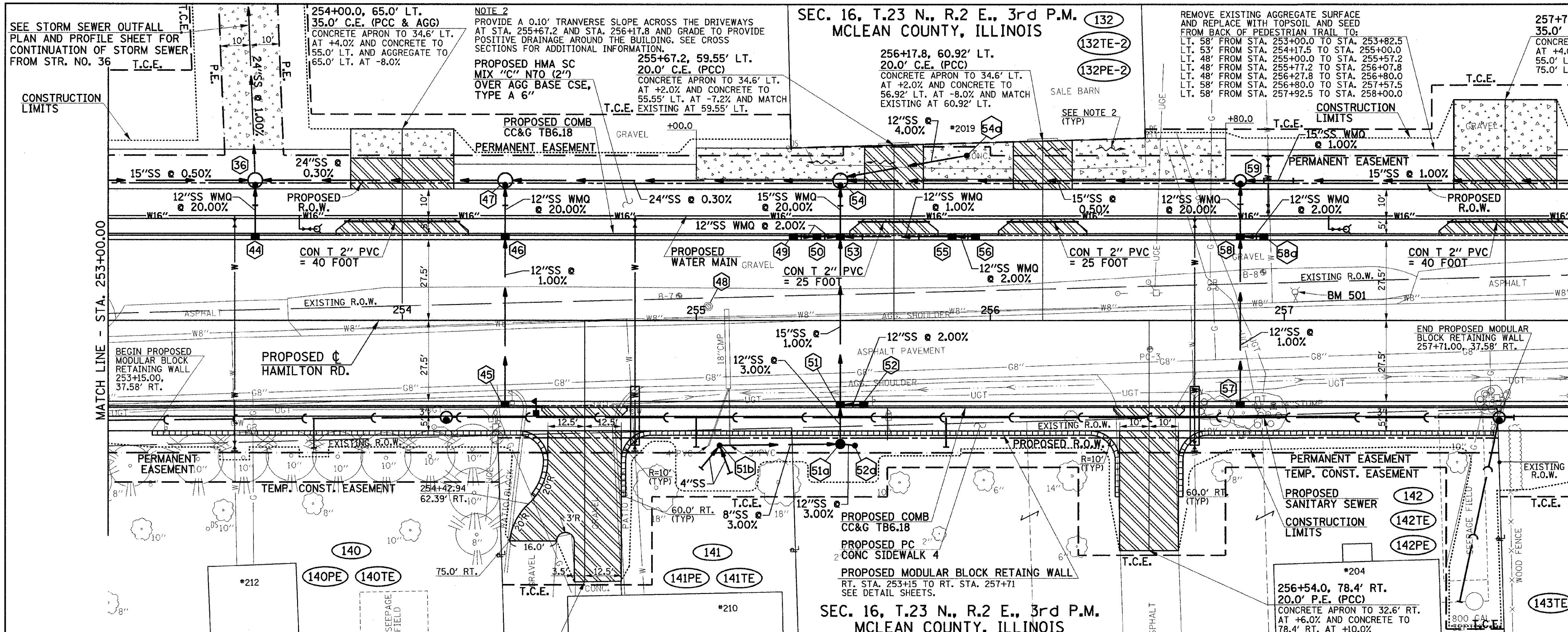
STR. NO.	STRUCTURE TYPE	OFF-SET SIDE	STA. OF C/L 2 FT. OPENING	OFFSET OF C/L 2 FT. OPENING	STA. OF C/L STR.	OFFSET OF C/L STR.	EX. T/O FRAME/ GRATE ELEV.	PR. T/O FRAME/ GRATE ELEV.	PR. T/O FLAT SLAB TOP ELEV.	INVERT IN ELEV.	U.S. STR. NO.	INVERT OUT ELEV.	D.S. STR. NO.
18	INLETS SPECIAL TYPE H	RT	248+05.00	28.60	248+05.00	28.60	----	889.71	----	----	----	885.50	19
19	INLETS SPECIAL TYPE H	LT	248+05.00	28.60	248+05.00	28.60	----	889.71	----	884.94	18	884.50	20
20	INLETS TB T1 CLOSED	LT	248+05.00	47.00	248+05.00	47.50	----	890.42	----	881.10	19	881.00	22
21	INLETS SPECIAL TYPE H	LT	249+05.00	28.60	249+05.00	28.60	----	889.11	----	883.97	23	883.90	22
22	MAN TA 4 DIA T1 CLOSED	LT	249+05.00	46.50	249+05.00	47.50	----	889.82	----	880.61	20	880.50	27
										880.70	21		
23	INLETS SPECIAL TYPE H	RT	249+19.50	43.00	249+19.50	43.00	----	888.20	----	884.48	24	884.40	21
24	INLETS SPECIAL TYPE H	RT	249+45.75	43.00	249+45.75	43.00	----	888.40	----	----	----	884.60	23
25	INLETS SPECIAL TYPE H	RT	250+15.00	28.60	250+15.00	28.60	----	888.45	----	----	----	884.20	26
26	INLETS SPECIAL TYPE H	LT	250+15.00	28.60	250+15.00	28.60	----	888.45	----	883.64	25	883.25	27
27	MAN TA 4 DIA T1 CLOSED	LT	250+15.00	46.50	250+15.00	47.50	----	889.16	----	879.97	22	879.80	30
										880.05	26		

STORM SEWER STRUCTURE SCHEDULE

STR. NO.	STRUCTURE TYPE	OFF-SET SIDE	STA. OF C/L 2 FT. OPENING	OFFSET OF C/L 2 FT. OPENING	STA. OF C/L STR.	OFFSET OF C/L STR.	EX. T/O FRAME/ GRATE ELEV.	PR. T/O FRAME/ GRATE ELEV.	PR. T/O FLAT SLAB TOP ELEV.	INVERT IN ELEV.	U.S. STR. NO.	INVERT OUT ELEV.	D.S. STR. NO.
28	INLETS SPECIAL TYPE H	RT	251+20.00	28.60	251+20.00	28.60	----	887.82	----	883.70	28a	883.60	29
28a	INLET TA T8 GRATE	RT	251+20.00	44.00	251+20.00	44.00	----	888.50	----	----	----	883.84	28
29	INLETS SPECIAL TYPE H	LT	251+20.00	28.60	251+20.00	28.60	----	887.82	----	883.04	28	882.60	30
30	MAN TA 4 DIA T1 CLOSED	LT	251+20.00	46.50	251+20.00	47.50	----	888.53	----	879.30	27	879.20	33
										879.40	29		
31	INLETS SPECIAL TYPE H	RT	252+25.00	28.60	252+25.00	28.60	----	887.22	----	882.79	31a	882.70	32
31a	INLETS SPECIAL TYPE H	RT	252+90.00	29.35	252+90.00	29.35	----	887.25	----	----	----	883.10	31
32	INLETS SPECIAL TYPE H	LT	252+25.00	28.60	252+25.00	28.60	----	887.19	----	882.14	31	882.00	33
33	MAN TA 4 DIA T1 CLOSED	LT	252+25.00	46.50	252+25.00	47.50	----	887.90	----	878.70	30	878.60	36
										878.80	32		
34	REMOVE INLET	RT	252+60.50	36.00	----	----	887.79	----	----	885.99	WEST	885.89	36
										885.99	EAST		
35	REMOVE INLET	RT	252+61.00	4.70	----	----	886.13	----	----	885.29	34	883.89	NORTH

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	28
STA. 253+00.00	TO STA. 258+00.00			
		ILLINOIS	F.A. PROJ. NO. M-5227(046)	

CONTRACT NO. 91351



LEGEND
- [hatched] – PROPOSED PCC DRIVEWAY PAVEMENT (6" FOR P.E. - 8" FOR C.E.)
- [dotted] – PROPOSED AGGREGATE SURFACE COURSE, TYPE B (8" THICK)

FOR REMOVAL/RELOCATION PLAN IN THIS AREA SEE SHEET NO. 21.

SEE HORIZONTAL ALIGNMENT LAYOUT AND CONTROL SHEETS FOR ADDITIONAL INFORMATION.

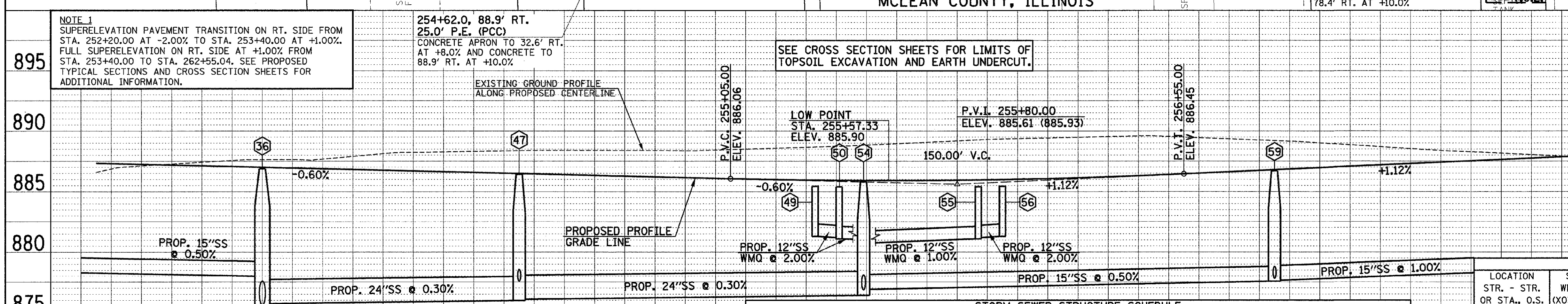
SEE SCHEDULE OF QUANTITIES FOR TYPICAL SECTION PAVEMENT PAY ITEMS AND THEIR LOCATIONS.

SEE PAVEMENT JOINTS, WATER MAIN, AND SANITARY SEWER PLAN AND PROFILE SHEETS FOR ADDITIONAL INFORMATION.

SEE THE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLANS FOR THE VARIOUS STAGES AND CONSTRUCTION SEQUENCES ON HAMILTON RD.

NOTE 1
SUPERELEVATION PAVEMENT TRANSITION ON RT. SIDE FROM STA. 252+20.00 AT -2.00% TO STA. 253+40.00 AT +1.00%. FULL SUPERELEVATION ON RT. SIDE AT +1.00% FROM STA. 253+40.00 TO STA. 262+55.04. SEE PROPOSED TYPICAL SECTIONS AND CROSS SECTION SHEETS FOR ADDITIONAL INFORMATION.

BM 501 - TOP CAP BOLT ON FIRE HYDRANT ON NORTH SIDE OF HAMILTON RD. STA. 257+04, 10' LT. ELEV. 890.74



STORM SEWER STRUCTURE SCHEDULE													
STR. NO.	STRUCTURE TYPE	OFF-SET SIDE	STA. OF C/L 2 FT. OPENING	OFFSET OF C/L 2 FT. OPENING	STA. OF C/L STR.	OFFSET OF C/L STR.	EX. T/O FRAME/ GRATE ELEV.	PR. T/O FRAME/ GRATE ELEV.	PR. T/O FLAT SLAB TOP ELEV.	INVERT IN ELEV.	U.S. STR. NO.	INVERT OUT ELEV.	D.S. STR. NO.
36	MAN TA 5 DIA T1 CLOSED	LT	253+50.00	46.00	253+50.00	47.50	----	887.15	----	878.00	33	875.60	37
										875.71	47		
										878.05	44		
44	INLETS SPECIAL TYPE H	LT	253+50.00	28.60	253+50.00	28.60	----	886.44	----	----	----	881.25	36
45	INLETS SPECIAL TYPE H	RT	254+35.00	28.60	254+35.00	28.60	----	886.75	----	----	----	882.20	46
46	INLETS SPECIAL TYPE H	LT	254+35.00	28.60	254+35.00	28.60	----	885.93	----	881.64	45	880.75	47
47	MAN TA 5 DIA T1 CLOSED	LT	254+35.00	46.00	254+35.00	47.50	----	886.64	----	877.55	46	875.95	36
										876.07	54		
48	REMOVE INLET	LT	255+04.00	4.80	----	----	887.12	----	----	*	----	*	----
49	INLETS SPECIAL TYPE H	LT	255+33.00	28.60	255+33.00	28.60	----	885.39	----	----	----	881.30	50
50	INLETS SPECIAL TYPE H	LT	255+41.00	28.60	255+41.00	28.60	----	885.37	----	881.20	49	881.10	53
51	INLETS SPECIAL TYPE H	RT	255+49.00	28.60	255+49.00	28.60	----	886.18	----	882.64	51a	881.40	53
										881.90	52		
52	INLETS SPECIAL TYPE H	RT	255+57.00	28.60	255+57.00	28.60	----	886.18	----	----	----	882.00	51
51a	RD INLETS TB T8 GRATE	RT	255+49.00	42.50	255+49.00	42.00	----	888.70	887.70	885.83	51b	883.00	51
										884.70	52a		

*FIELD VERIFY LOCATION AND ELEVATIONS

STORM SEWER STRUCTURE SCHEDULE													
STR. NO.	STRUCTURE TYPE	OFF-SET SIDE	STA. OF C/L 2 FT. OPENING	OFFSET OF C/L 2 FT. OPENING	STA. OF C/L STR.	OFFSET OF C/L STR.	EX. T/O FRAME/ GRATE ELEV.	PR. T/O FRAME/ GRATE ELEV.	PR. T/O FLAT SLAB TOP ELEV.	INVERT IN ELEV.	U.S. STR. NO.	INVERT OUT ELEV.	D.S. STR. NO.
51b	INLETS TA T8 GRATE	RT	255+08.00	42.50	255+08.00	42.50	----	889.60	----	887.50	**	887.00	51a
52a	INLETS TA T8 GRATE	RT	255+54.00	42.50	255+54.00	42.50	----	888.70	----	----	----	885.00	51a
53	INLETS SPECIAL TYPE H	LT	255+49.00	28.60	255+49.00	28.60	----	885.36	----	881.00	50	880.05	54
										880.84	51		
										880.75	55		
54	MAN TA 5 DIA T1 CLOSED	LT	255+49.00	46.00	255+49.00	47.50	----	886.07	----	876.85	53	876.40	47
										879.90	54a		
										876.89	59		
54a	INLETS TA T1 OPEN	LT	255+92.00	56.00	255+92.00	56.00	----	884.75	----	----	----	881.50	54
55	INLETS SPECIAL TYPE H	LT	255+87.00	28.60	255+87.00	28.60	----	885.40	----	881.20	56	881.10	53
56	INLETS SPECIAL TYPE H	LT	255+95.00	28.60	255+95.00	28.60	----	885.44	----	----	----	881.30	55
57	INLETS SPECIAL TYPE H	RT	256+85.00	28.60	256+85.00	28.60	----	887.06	----	----	----	882.50	58
58	INLETS SPECIAL TYPE H	LT	256+85.00	28.60	256+85.00	28.60	----	886.24	----	881.94	57	881.00	59
										882.00	58a		
58a	INLETS SPECIAL TYPE H	LT	256+93.00	28.60	256+93.00	28.60	----	886.33	----	----	----	882.10	58
59	MAN TA 4 DIA T1 CLOSED	LT	256+85.00	46.50	256+85.00	47.50	----	886.95	----	877.80	58	877.55	54
										877.63	63		

**SUMP PUMP PIPE CONNECTIONS

STORM SEWER PIPE SCHEDULE						
LOCATION STR. - STR. OR STA., O.S.	SS 1 WMQ 12 (X0321905) (FOOT)	SS 2 WMQ 12 (X0321907) (FOOT)	STORM SEW CL A 2 12 (550A0340) (FOOT)	STORM SEW CL A 2 24 (550A0410) (FOOT)	GRADE %	TRENCH BACKFILL (20800150) (CU YD)
36 - 44		16			20.00	13.2
36 - 47				80	0.30	144.0
45 - 46			56		1.00	9.7
46 - 47		16			20.00	13.2
47 - 54				109	0.30	176.1
49 - 50	5				2.00	0.6
50 - 53	5				2.00	0.7

STORM SEWER PIPE SCHEDULE								
LOCATION STR. - STR. OR STA., O.S.	SS 2 WMQ 15 (X0321908) (FOOT)	STORM SEW CL B 1 4 (550B0010) (FOOT)	STORM SEW CL B 1 8 (550B0030) (FOOT)	STORM SEW CL A 1 12 (550A0050) (FOOT)	STORM SEW CL A 2 12 (550A0340) (FOOT)	STORM SEW CL A 2 15 (550A0360) (FOOT)	GRADE %	TRENCH BACKFILL (20800150) (CU YD)
51 - 52					5		2.00	0.6
51 - 51a					12		3.00	2.2
51a- 51b		20	39				3.00	
51a - 52a				3			10.00	
51 - 53						56	1.00	10.8
53 - 54	16						20.00	13.9

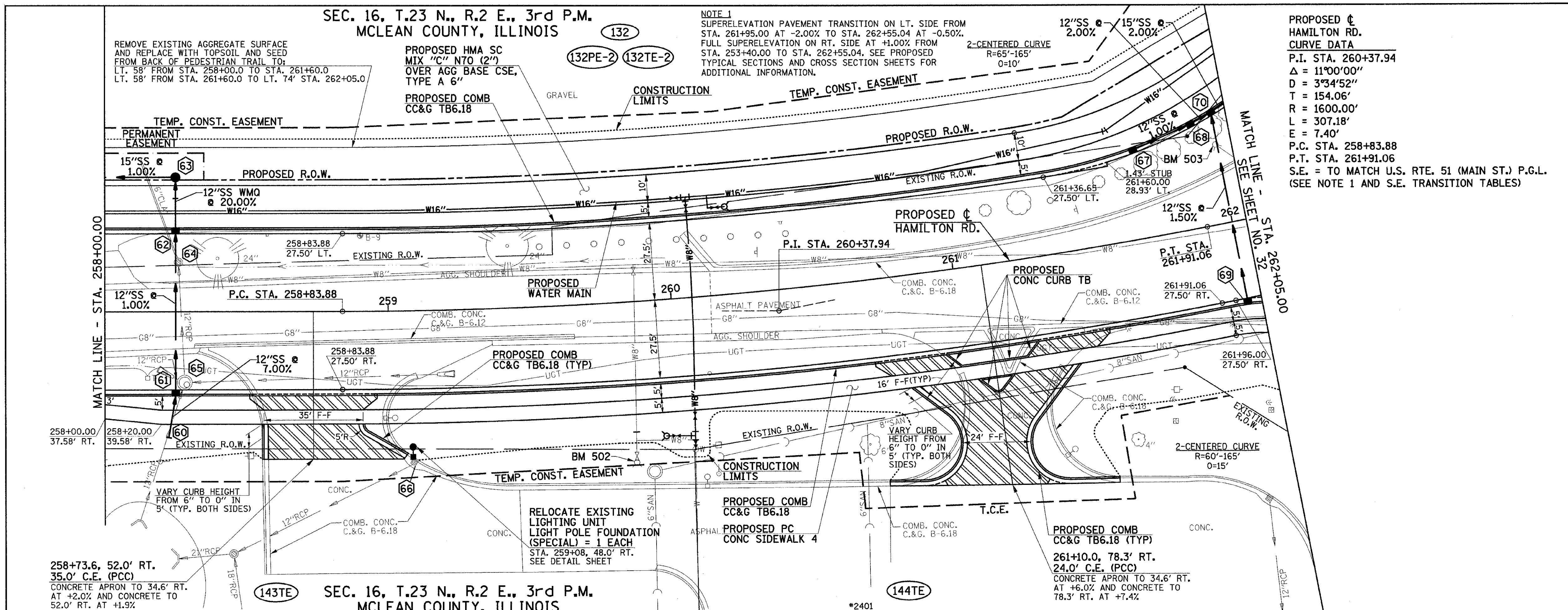
STORM SEWER PIPE SCHEDULE								
LOCATION STR. - STR. OR STA., O.S.	CONCRETE COLLAR (54248515) (EACH)	SS 1 WMQ 12 (X0321905) (FOOT)	SS 2 WMQ 12 (X0321907) (FOOT)	SS 2 WMQ 15 (X0321908) (FOOT)	STORM SEW CL A 2 12 (550A0340) (FOOT)	STORM SEW CL A 2 15 (550A0360) (FOOT)	GRADE %	TRENCH BACKFILL (20800150) (CU YD)
53 - 55			35				1.00	6.1
55 - 56		5					2.00	0.6
54 - 54a					40		4.00	13.5
54 - 59						132	0.50	174.4
57 - 58					56		1.00	9.7
58 - 58a			5				2.00	0.6
58 - 59			16				20.00	10.9
59 - 63	1			20		117	1.00	184.1

CONCRETE COLLARS SHALL BE USED TO CONNECT STORM SEWERS OF DIFFERENT MATERIAL TYPES

	253+00	253+50	254+00	254+50	255+00	255+50	256+00	256+50	257+00	257+50	258+00
Elev.	886.86 / 887.29	887.63 / 886.99	888.23 / 886.69	888.39 / 886.39	888.42 / 886.09	888.85 / 885.91	889.38 / 886.01	889.55 / 886.40	889.02 / 886.95	888.28 / 887.51	887.78 / 888.07

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	29
STA. 258+00.00	TO STA. 262+05.00			
		ILLINOIS	F.A. PROJ. NO. M-5227(046)	

CONTRACT NO. 91351



PROPOSED ℄ HAMILTON RD. CURVE DATA
P.I. STA. 260+37.94
Δ = 11°00'00"
D = 3°34'52"
T = 154.06'
R = 1600.00'
L = 307.18'
E = 7.40'
P.C. STA. 258+83.88
P.T. STA. 261+91.06
S.E. = TO MATCH U.S. RTE. 51 (MAIN ST.) P.G.L.
(SEE NOTE 1 AND S.E. TRANSITION TABLES)

N

SCALE: 1" = 20'

LEGEND
- PROPOSED PCC DRIVEWAY PAVEMENT (6" FOR P.E. - 8" FOR C.E.)

FOR REMOVAL/RELOCATION PLAN IN THIS AREA SEE SHEET NO. 22.

SEE HORIZONTAL ALIGNMENT LAYOUT AND CONTROL SHEETS FOR ADDITIONAL INFORMATION.

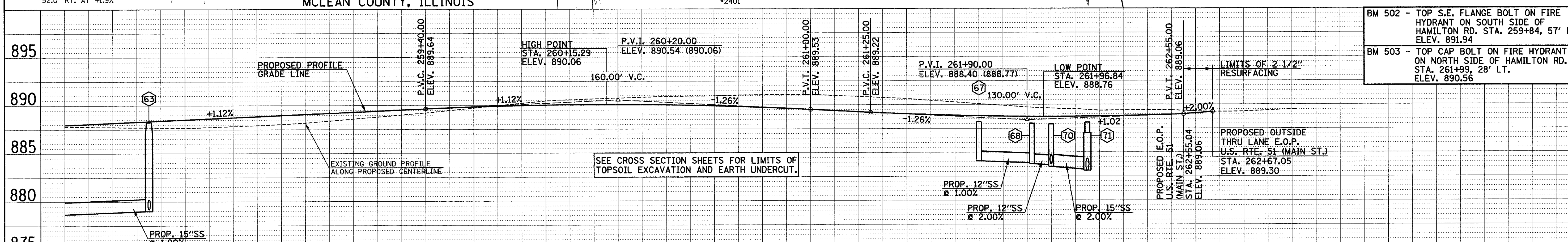
SEE SCHEDULE OF QUANTITIES FOR TYPICAL SECTION PAVEMENT PAY ITEMS AND THEIR LOCATIONS.

SEE PAVEMENT JOINTS, INTERSECTION DETAILS, WATER MAIN, AND SANITARY SEWER PLAN AND PROFILE SHEETS FOR ADDITIONAL INFORMATION.

SEE THE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLANS FOR THE VARIOUS STAGES AND CONSTRUCTION SEQUENCES ON HAMILTON RD.

BM 502 - TOP S.E. FLANGE BOLT ON FIRE HYDRANT ON SOUTH SIDE OF HAMILTON RD. STA. 259+84, 57' RT. ELEV. 891.94

BM 503 - TOP CAP BOLT ON FIRE HYDRANT ON NORTH SIDE OF HAMILTON RD. STA. 261+99, 28' LT. ELEV. 890.56



STORM SEWER STRUCTURE SCHEDULE

STR. NO.	STRUCTURE TYPE	OFF-SET SIDE	STA. OF C/L 2 FT. OPENING	OFFSET OF C/L 2 FT. OPENING	STA. OF C/L STR.	OFFSET OF C/L STR.	EX. T/O FRAME/ GRATE ELEV.	PR. T/O FRAME/ GRATE ELEV.	PR. T/O FLAT SLAB TOP ELEV.	INVERT IN ELEV.	U.S. STR. NO.	INVERT OUT ELEV.	D.S. STR. NO.
60	CONNECT TO EXISTING S.S.	RT	----	----	258+22.50	44.40	----	----	----	*886.30	SOUTH	*886.30	61
61	INLETS SPECIAL TYPE H	RT	258+25.00	28.60	258+25.00	28.60	----	888.63	----	885.25	60	883.60	62
62	INLETS SPECIAL TYPE H	LT	258+25.00	28.60	258+25.00	28.60	----	887.81	----	883.04	61	882.60	63
63	INLETS TB T1 CLOSED	LT	258+25.00	47.00	258+25.00	47.50	----	888.52	----	879.20	62	879.00	59
64	REMOVE INLET	LT	258+25.90	17.30	----	----	884.75	----	----	884.73	65	882.63	NORTH
65	REMOVE MANHOLE	RT	258+28.90	25.70	----	----	889.01	----	----	886.21	SOUTH	886.21	64
										886.31	EAST		
										886.31	WEST		
66	INLET (NO WORK)	RT	259+08.40	53.40	----	----	890.28	----	----	----	----	887.18	WEST
67	INLETS SPECIAL TYPE H	LT	261+70.00	31.55	261+70.00	31.55	----	888.21	----	----	----	884.10	68
68	INLETS SPECIAL TYPE H	LT	261+92.00	36.80	261+92.00	36.80	----	888.02	----	883.90	67	883.80	70
69	INLETS SPECIAL TYPE H	RT	262+00.00	28.70	262+00.00	28.70	----	889.03	----	----	----	884.80	70
70	INLETS SPECIAL TYPE H	LT	262+00.00	39.55	262+00.00	39.55	----	887.95	----	883.70	68	883.50	71
										883.78	69		

*FIELD VERIFY LOCATION AND ELEVATIONS

STORM SEWER PIPE SCHEDULE

LOCATION STR. - STR. OR STA., O.S.	CONCRETE COLLAR (54248515) (EACH)	STORM SEW REM 6 (55100200) (FOOT)	STORM SEW REM 12 (55100500) (FOOT)	SS 2 WMQ 12 (X0321907) (FOOT)	STORM SEW CL A 1 12 (550A0050) (FOOT)	STORM SEW CL A 2 12 (550A0340) (FOOT)	GRADE %	TRENCH BACKFILL (20800150) (CU YD)
60 - 61	1				15		7.00	1.8
60 - 65			17					
61 - 62						56	1.00	12.4
62 - 63				17			20.00	14.4
64 - 65		35	40					11.2
65			103					29.2
67 - 68					20		1.00	2.7
68 - 70					5		2.00	0.6
69 - 70						68	1.50	10.2

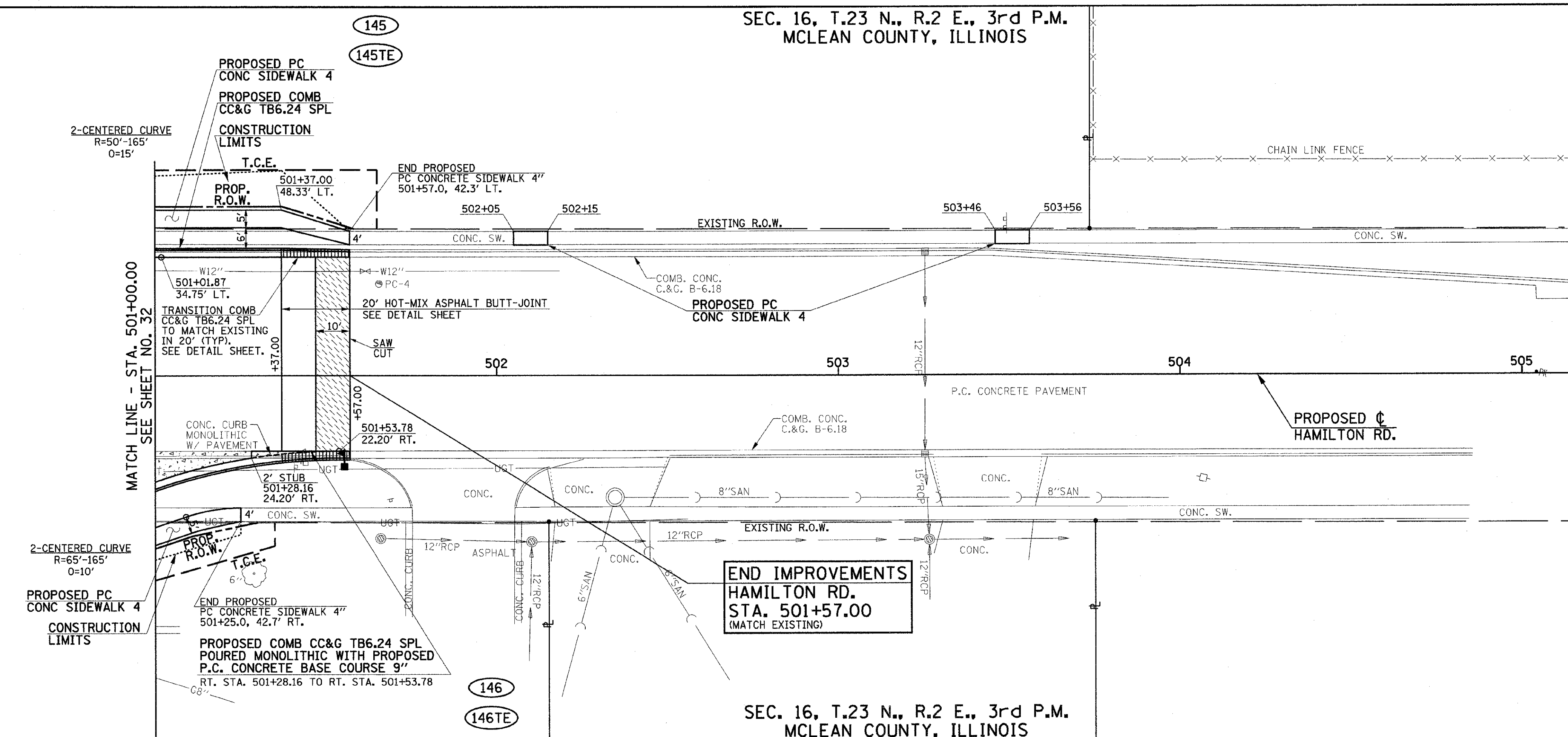
CONCRETE COLLARS SHALL BE USED TO CONNECT STORM SEWERS OF DIFFERENT MATERIAL TYPES

	258+00	258+50	259+00	259+50	260+00	260+50	261+00	261+50	262+00	262+50	263+00
Existing	887.78	887.74	888.40	889.48	890.57	890.94	891.06	890.42	889.62	889.41	
Proposed	888.07	888.63	889.19	889.75	890.05	889.97	889.53	888.95	888.76	889.01	889.53

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	30
STA. 501+00.00	TO STA. 505+00.00			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

SEC. 16, T.23 N., R.2 E., 3rd P.M.
MCLEAN COUNTY, ILLINOIS



145
145TE
PROPOSED PC CONC SIDEWALK 4
PROPOSED COMB CC&G TB6.24 SPL
CONSTRUCTION LIMITS
2-CENTERED CURVE R=50'-165' 0=15'
T.C.E.
PROP. R.O.W.
501+37.00 48.33' LT.
END PROPOSED PC CONCRETE SIDEWALK 4" 501+57.0, 42.3' LT.
502+05
502+15
503+46
503+56
CHAIN LINK FENCE
EXISTING R.O.W.
CONC. SW.
W12"
501+01.87 34.75' LT.
PC-4
COMB. CONC. C.&G. B-6.18
PROPOSED PC CONC SIDEWALK 4
TRANSITION COMB CC&G TB6.24 SPL TO MATCH EXISTING IN 20' (TYP). SEE DETAIL SHEET.
20' HOT-MIX ASPHALT BUTT-JOINT SEE DETAIL SHEET
SAW CUT
MATCH LINE - STA. 501+00.00 SEE SHEET NO. 32
502
503
504
505
P.C. CONCRETE PAVEMENT
PROPOSED ℄ HAMILTON RD.
CONC. CURB MONOLITHIC W/ PAVEMENT
501+53.78 22.20' RT.
2' STUB 501+28.16 24.20' RT.
8"SAN
12"RCP
15"RCP
6"SAN
EXISTING R.O.W.
2-CENTERED CURVE R=65'-165' 0=10'
PROPOSED PC CONC SIDEWALK 4
CONSTRUCTION LIMITS
END PROPOSED PC CONCRETE SIDEWALK 4" 501+25.0, 42.7' RT.
PROPOSED COMB CC&G TB6.24 SPL POURED MONOLITHIC WITH PROPOSED P.C. CONCRETE BASE COURSE 9"
RT. STA. 501+28.16 TO RT. STA. 501+53.78
END IMPROVEMENTS
HAMILTON RD.
STA. 501+57.00
(MATCH EXISTING)
146
146TE

SEC. 16, T.23 N., R.2 E., 3rd P.M.
MCLEAN COUNTY, ILLINOIS

N

SCALE: 1" = 20'

LEGEND

- PROPOSED PORTLAND CEMENT CONCRETE BASE COURSE 9"
- PROPOSED PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT

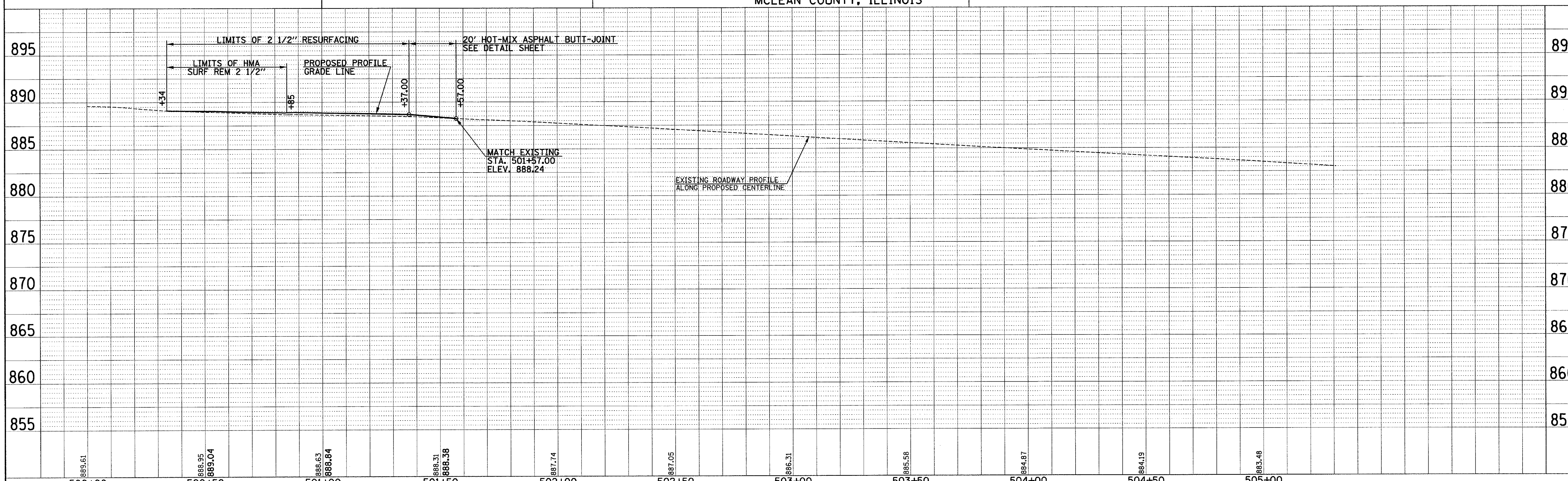
FOR REMOVAL/RELOCATION PLAN IN THIS AREA SEE SHEET NO. 22.

SEE HORIZONTAL ALIGNMENT LAYOUT AND CONTROL SHEETS FOR ADDITIONAL INFORMATION.

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

SEE INTERSECTION DETAILS FOR ADDITIONAL INFORMATION.

SEE THE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLANS FOR THE VARIOUS STAGES AND CONSTRUCTION SEQUENCES ON HAMILTON RD.



LIMITS OF 2 1/2" RESURFACING
LIMITS OF HMA SURF REM 2 1/2"
PROPOSED PROFILE GRADE LINE
20' HOT-MIX ASPHALT BUTT-JOINT SEE DETAIL SHEET
+34
+85
+37.00
+57.00
MATCH EXISTING STA. 501+57.00 ELEV. 888.24
EXISTING ROADWAY PROFILE ALONG PROPOSED CENTERLINE
895
890
885
880
875
870
865
860
855
889.61
888.95
889.04
888.63
888.84
888.31
888.38
887.74
887.05
886.31
885.58
884.87
884.19
883.48
500+00
500+50
501+00
501+50
502+00
502+50
503+00
503+50
504+00
504+50
505+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	31
STA. 293+00.00	TO STA. 297+00.00			
		ILLINOIS	F.A. PROJ. NO. M-5227(046)	

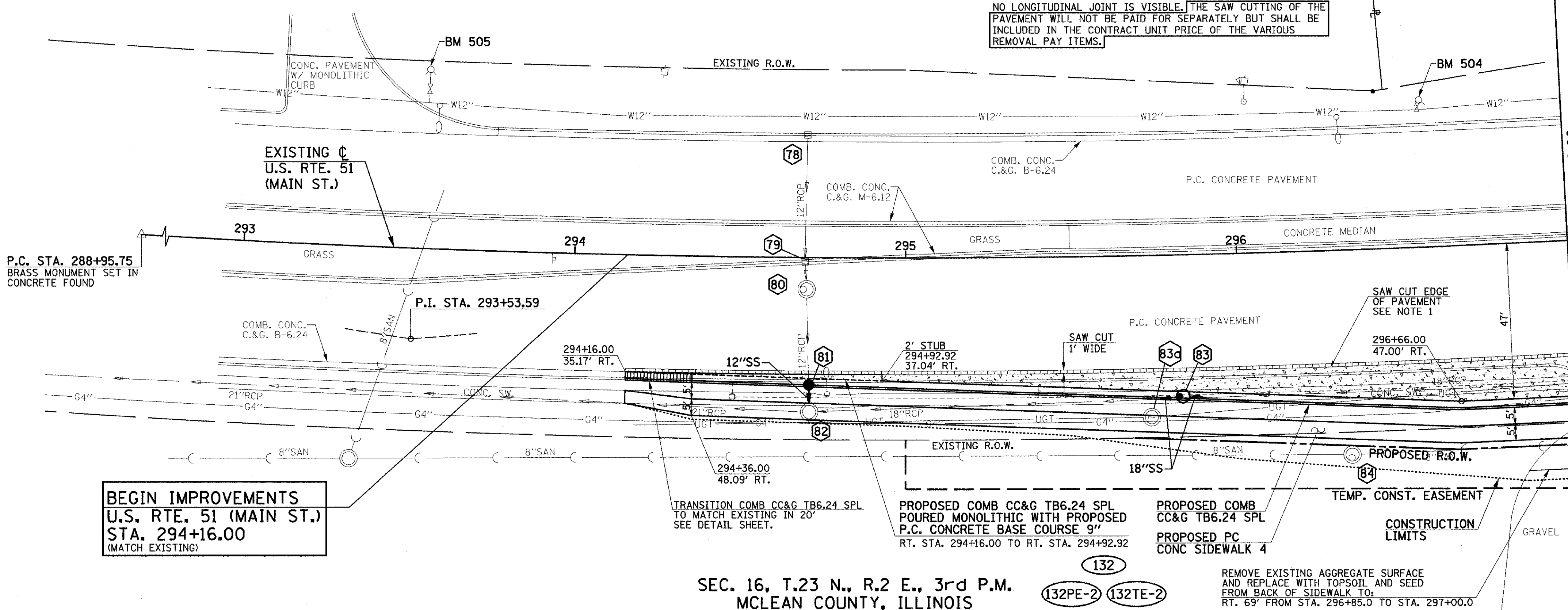
CONTRACT NO. 91351

SEC. 16, T.23 N., R.2 E., 3rd P.M.
MCLEAN COUNTY, ILLINOIS

NOTE 1
THE CONTRACTOR WILL BE REQUIRED TO SAW CUT AND REMOVE THE EXISTING PAVEMENT AS DIRECTED BY THE ENGINEER AND AS SHOWN ON THE TYPICAL SECTION TO PROVIDE A CLEAN VERTICAL EDGE IF NO LONGITUDINAL JOINT IS VISIBLE. THE SAW CUTTING OF THE PAVEMENT WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE OF THE VARIOUS REMOVAL PAY ITEMS.

EXISTING ℄
U.S. RTE. 51
(MAIN ST.)
CURVE DATA
P.I. STA. 293+53.59
Δ = 13°40'12"
D = 1°30'00"
T = 457.84'
R = 3819.72'
L = 911.34'
E = 27.34'
P.C. STA. 288+95.75
P.T. STA. 298+07.09
S.E. = TO MATCH EXISTING

SCALE: 1" = 20'



LEGEND
- PROPOSED PORTLAND CEMENT CONCRETE BASE COURSE 9"
- PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL 2 1/2"

FOR REMOVAL/RELOCATION PLAN IN THIS AREA SEE SHEET NO. 23.

SEE HORIZONTAL ALIGNMENT LAYOUT AND CONTROL SHEETS FOR ADDITIONAL INFORMATION.

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

SEE THE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLANS FOR THE VARIOUS STAGES AND CONSTRUCTION SEQUENCES ON U.S. RTE 51.

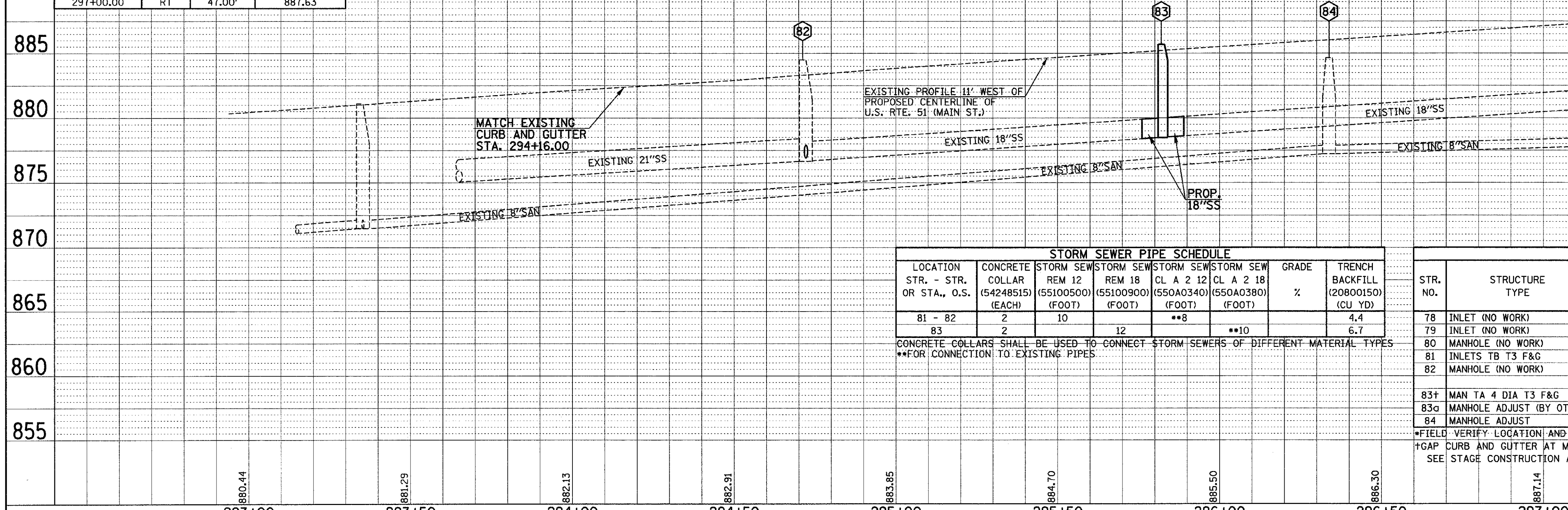
SEC. 16, T.23 N., R.2 E., 3rd P.M.
MCLEAN COUNTY, ILLINOIS

PROPOSED EDGE OF PAVEMENT TABLE

STATION	OFFSET SIDE	EDGE OF PAVEMENT OFFSET DISTANCE	EDGE OF PAVEMENT ELEVATION
294+16.00	RT	35.17'	MATCH EXISTING
294+50.00	RT	35.81'	883.56
295+00.00	RT	37.29'	884.35
295+50.00	RT	39.45'	885.15
296+00.00	RT	42.26'	885.96
296+50.00	RT	45.74'	887.01
297+00.00	RT	47.00'	887.63

BM 505 - TOP CAP BOLT ON FIRE HYDRANT ON EAST SIDE OF MAIN STREET STA. 293+54, 54' LT. ELEV. 885.30

BM 504 - TOP CAP BOLT ON FIRE HYDRANT ON EAST SIDE OF MAIN STREET STA. 296+57, 45' LT. ELEV. 890.67



STORM SEWER PIPE SCHEDULE

LOCATION STR. - STR. OR STA., O.S.	CONCRETE COLLAR (54248515) (EACH)	STORM SEW REM 12 (55100500) (FOOT)	STORM SEW REM 18 (55100900) (FOOT)	STORM SEW CL A 2 12 (550A0340) (FOOT)	STORM SEW CL A 2 18 (550A0380) (FOOT)	GRADE %	TRENCH BACKFILL (20800150) (CU YD)
81 - 82	2	10		**8			4.4
83	2		12		**10		6.7

CONCRETE COLLARS SHALL BE USED TO CONNECT STORM SEWERS OF DIFFERENT MATERIAL TYPES
**FOR CONNECTION TO EXISTING PIPES

STORM SEWER STRUCTURE SCHEDULE

STR. NO.	STRUCTURE TYPE	OFF-SET SIDE	STA. OF C/L 2 FT. OPENING	OFFSET OF C/L 2 FT. OPENING	STA. OF C/L STR.	OFFSET OF C/L STR.	EX. T/O FRAME/ GRATE ELEV.	PR. T/O FRAME/ GRATE ELEV.	PR. T/O FLAT SLAB TOP ELEV.	INVERT IN ELEV.	U.S. STR. NO.	INVERT OUT ELEV.	D.S. STR. NO.
78	INLET (NO WORK)	LT	294+70.10	37.20	----	----	881.57	----	----	----	----	878.42	79
79	INLET (NO WORK)	RT	294+69.70	1.30	----	----	882.92	----	----	877.72	78	877.72	80
80	MANHOLE (NO WORK)	RT	294+69.10	9.60	----	----	882.98	----	----	877.57	79	877.57	81
81	INLETS TB T3 F&G	RT	294+71.00	37.85	294+71.00	38.35	----	883.85	----	*877.04	80	*877.04	82
82	MANHOLE (NO WORK)	RT	294+71.20	46.65	----	----	884.51	----	----	876.91	81	876.66	NORTH
										876.71	83		
83†	MAN TA 4 DIA T3 F&G	RT	295+82.00	*42.65	295+83.00	*42.65	----	885.62	----	*878.55	87	*878.50	82
83a	MANHOLE ADJUST (BY OTHERS)	RT	295+74.00	49.00	----	----	885.53	886.02	----	----	----	----	----
84	MANHOLE ADJUST	RT	296+32.80	62.85	----	----	884.67	885.80	----	877.22	73	877.22	NORTH

*FIELD VERIFY LOCATION AND ELEVATIONS
†GAP CURB AND GUTTER AT MANHOLE TO PROVIDE TEMPORARY DRAINAGE. SEE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLANS FOR DETAILS.

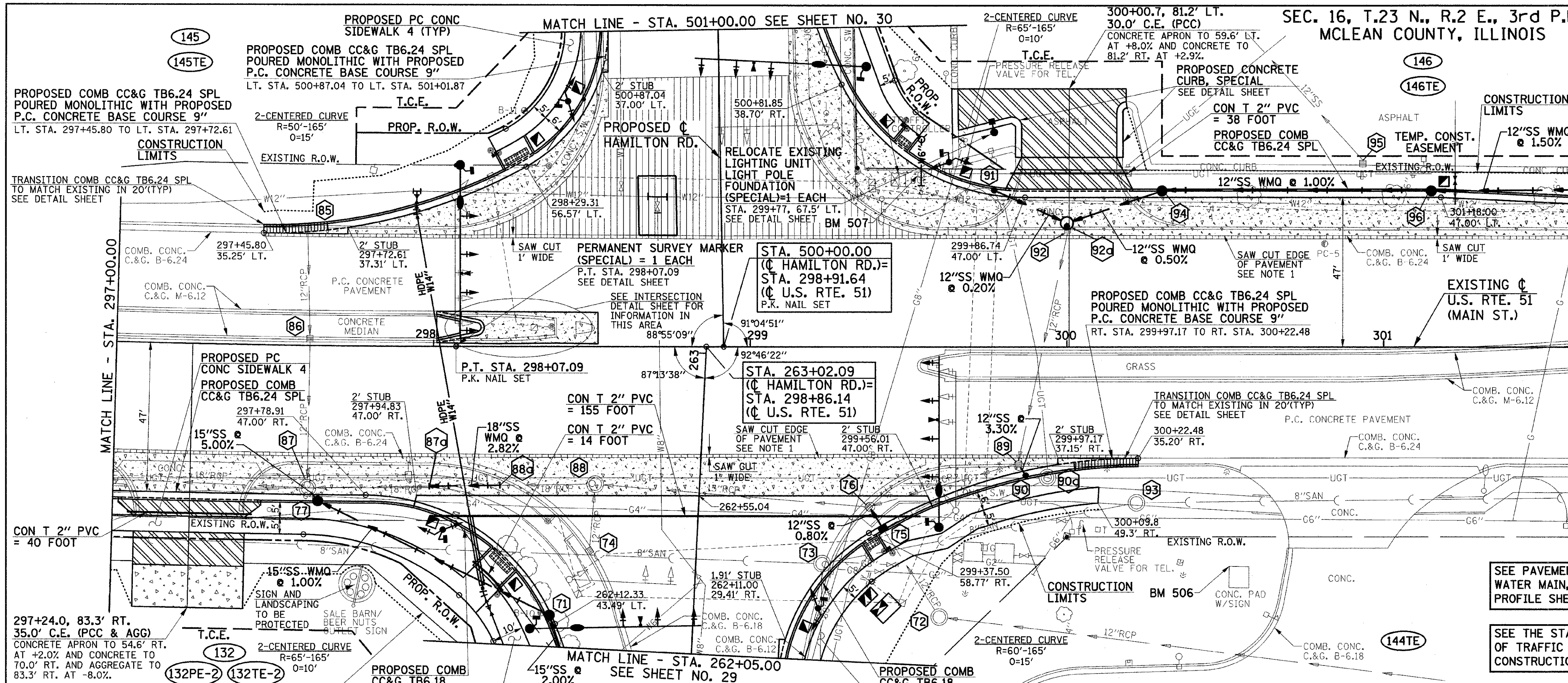
PLAN: SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK / NO. / BY / DATE

PROFILE: SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATIONS CHK'D / NOTE BOOK / NO. / BY / DATE

SEC. 16, T.23 N., R.2 E., 3rd P.M.
MCLEAN COUNTY, ILLINOIS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	32
STA. 297+00.00 TO STA. 301+60.00				
		ILLINOIS	F.A. PROJ. NO. M-5227(046)	

CONTRACT NO. 91351



EXISTING ℄ U.S. RTE. 51 (MAIN ST.)
CURVE DATA
P.I. STA. 293+53.59
Δ = 13°40'12"
D = 1°30'00"
T = 457.84'
R = 3819.72'
L = 911.34'
E = 27.34'
P.C. STA. 288+95.75
P.T. STA. 298+07.09
S.E. = TO MATCH EXISTING

SCALE: 1" = 20'

LEGEND

- PROPOSED PCC DRIVEWAY PAVEMENT (6" FOR P.E. - 8" FOR C.E.)
- PROPOSED PORTLAND CEMENT CONCRETE BASE COURSE 9"
- PROPOSED AGGREGATE SURFACE COURSE, TYPE B (8" THICK)
- PROPOSED SIDEWALK RAMP (SEE DETAIL)
- PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL 2 1/2"
- CLASS B PATCH 9" - SEE REMOVAL/RELOCATION PLANS FOR LOCATIONS

NOTE 1
THE CONTRACTOR WILL BE REQUIRED TO SAW CUT AND REMOVE THE EXISTING PAVEMENT AS DIRECTED BY THE ENGINEER AND AS SHOWN ON THE TYPICAL SECTION TO PROVIDE A CLEAN VERTICAL EDGE IF NO LONGITUDINAL JOINT IS VISIBLE. THE SAW CUTTING OF THE PAVEMENT WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE OF THE VARIOUS REMOVAL PAY ITEMS.

FOR REMOVAL/RELOCATION PLAN IN THIS AREA SEE SHEET NO. 23.

SEE PAVEMENT JOINTS, INTERSECTION DETAILS, WATER MAIN, AND SANITARY SEWER PLAN AND PROFILE SHEETS FOR ADDITIONAL INFORMATION.

SEE HORIZONTAL ALIGNMENT LAYOUT AND CONTROL SHEETS FOR ADDITIONAL INFORMATION.

SEE THE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLANS FOR THE VARIOUS STAGES AND CONSTRUCTION SEQUENCES ON U.S. RTE 51.

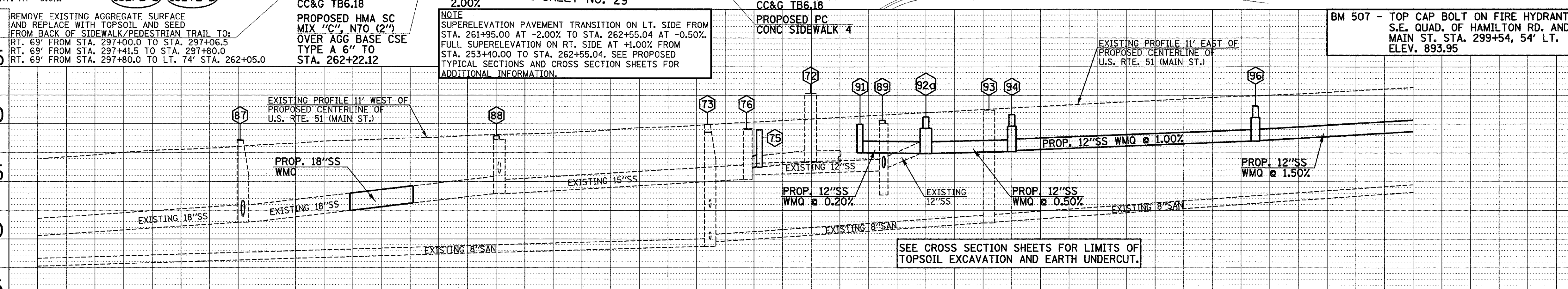
SEE SCHEDULE OF QUANTITIES FOR TYPICAL SECTION PAVEMENT PAY ITEMS AND THEIR LOCATIONS.

REMOVE EXISTING AGGREGATE SURFACE AND REPLACE WITH TOPSOIL AND SEED FROM BACK OF SIDEWALK/PEDESTRIAN TRAIL TO:
RT. 69' FROM STA. 297+00.0 TO STA. 297+06.5
RT. 69' FROM STA. 297+41.5 TO STA. 297+80.0
RT. 69' FROM STA. 297+80.0 TO LT. 74' STA. 262+05.0

NOTE
SUPERELEVATION PAVEMENT TRANSITION ON LT. SIDE FROM STA. 261+95.00 AT -2.00% TO STA. 262+55.04 AT -0.50%. FULL SUPERELEVATION ON RT. SIDE AT +1.00% FROM STA. 253+40.00 TO STA. 262+55.04. SEE PROPOSED TYPICAL SECTIONS AND CROSS SECTION SHEETS FOR ADDITIONAL INFORMATION.

BM 507 - TOP CAP BOLT ON FIRE HYDRANT S.E. QUAD. OF HAMILTON RD. AND MAIN ST. STA. 299+54, 54' LT. ELEV. 893.95

BM 506 - N.E. CORNER OF HUCKS SIGN CONCRETE FOUNDATION STA. 300+51, 69' RT. ELEV. 893.07



SEE CROSS SECTION SHEETS FOR LIMITS OF TOPSOIL EXCAVATION AND EARTH UNDERCUT.

PROPOSED EDGE OF PAVEMENT TABLE

STATION	OFFSET SIDE	EDGE OF PAVEMENT OFFSET DISTANCE	EDGE OF PAVEMENT ELEVATION
297+45.80	LT	35.25	886.46
297+50.00	RT	47.00	888.40
297+72.61	LT	35.31	886.94
298+05.00	RT	47.00	888.77
298+50.00	RT	47.00	888.86
299+00.00	RT	47.00	889.22
299+50.00	RT	47.00	889.71
299+97.17	RT	35.15	890.66
300+00.00	LT	47.00	890.42
300+22.48	RT	35.20	MATCH EXISTING
300+50.00	LT	47.00	891.08
301+00.00	LT	47.00	891.70
301+50.00	LT	45.48	892.40

SEE INTERSECTION DETAIL SHEET FOR ADDITIONAL INFORMATION

STORM SEWER STRUCTURE SCHEDULE

STR. NO.	STRUCTURE TYPE	OFF-SET SIDE	STA. OF C/L 2 FT. OPENING	OFFSET OF C/L 2 FT. OPENING	STA. OF C/L STR.	OFFSET OF C/L STR.	EX. T/O FRAME/ GRATE ELEV.	PR. T/O FRAME/ GRATE ELEV.	PR. T/O FLAT SLAB TOP ELEV.	INVERT IN ELEV.	U.S. STR. NO.	INVERT OUT ELEV.	D.S. STR. NO.
71	RD INLETS TB T3 F&G	LT	262+15.00	45.95	262+15.00	45.45	----	888.13	887.03	883.22	70	883.10	77
72	MANHOLE (NO WORK)	RT	262+20.50	77.60	----	----	892.67	----	----	886.67	SOUTH	886.67	75
73	MANHOLE ADJUST	RT	262+35.30	40.85	----	----	889.96	889.30	----	882.76	WEST	879.36	84
										879.76	93		
74	REMOVE INLET	LT	262+35.90	33.75	----	----	888.49	----	----	----	----	885.99	88
75	INLETS SPECIAL TYPE H	RT	262+47.45	58.55	*262+47.45	*58.55	----	889.52	----	*886.30	72	*886.25	76
76	MANHOLE ADJUST NEW T1 CL	RT	262+54.00	53.60	----	----	889.93	889.57	----	886.19	75	885.19	88
										885.59	89		
77	INLETS TB T3 F&G	RT	297+64.00	48.50	297+64.00	49.00	----	888.45	----	882.30	71	882.20	87
85	INLET ADJUST	LT	297+59.90	37.20	----	----	886.38	886.63	----	----	----	882.98	86
86	INLET (NO WORK)	LT	297+61.00	2.15	----	----	887.64	----	----	882.54	85	882.49	87
87	MANHOLE ADJUST W/F&G SP	RT	297+60.65	43.90	----	----	888.65	888.54	----	882.10	77	881.45	83
										881.95	86		
										881.45	88		
87a	CONNECT TO EXISTING SS	RT	----	----	297+99.00	44.00	----	----	----	*882.49	88a	*882.49	87
88	MANHOLE ADJUST	LT	262+57.20	33.95	----	----	888.99	888.94	----	885.73	74	883.93	87
										883.93	76		
88a	CONNECT TO EXISTING SS	RT	----	----	298+21.00	44.00	----	----	----	*883.11	88	*883.11	87a
89	MANHOLE ADJUST NEW T1 CL	RT	299+84.80	37.00	----	----	890.03	890.37	----	886.20	90	885.93	76
										886.23	92		
90	INLETS TA T3 F&G	RT	299+87.00	40.60	299+87.00	40.60	----	890.34	----	----	----	886.30	89
90a	MANHOLE ADJUST (BY OTHERS)	RT	299+94.00	41.00	----	----	890.78	890.90	----	----	----	----	----
91†	INLETS TA T3 F&G	LT	299+77.00	49.25	299+77.00	49.25	----	889.92	----	----	----	887.50	92a
92	REMOVE INLET	LT	300+00.20	36.80	----	----	890.43	----	----	----	----	887.43	89
92a	RD MAN TA 4 DIA T1 CL	LT	300+00.00	38.00	300+00.00	39.00	----	890.61	889.61	887.45	91	887.43	89
										887.45	94		
93	MANHOLE (NO WORK)	RT	300+22.00	49.25	----	----	891.21	----	----	*	SOUTH	*	73
94	RD INLETS TB T3 F&G	LT	300+30.00	48.50	300+30.00	49.00	----	890.77	889.77	887.68	96	887.60	92a
95	INLET (NO WORK)	LT	300+93.40	57.65	----	----	889.98	----	----	----	----	887.98	EAST
96	RD INLETS TB T3 F&G	LT	301+15.00	48.50	301+15.00	49.00	----	891.86	890.86	888.54	97	888.50	94

*FIELD VERIFY LOCATION AND ELEVATIONS

*FIELD VERIFY LOCATION AND ELEVATIONS †GAP CURB AND GUTTER AT INLET TO PROVIDE TEMPORARY DRAINAGE. SEE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLANS FOR DETAILS.

STORM SEWER PIPE SCHEDULE

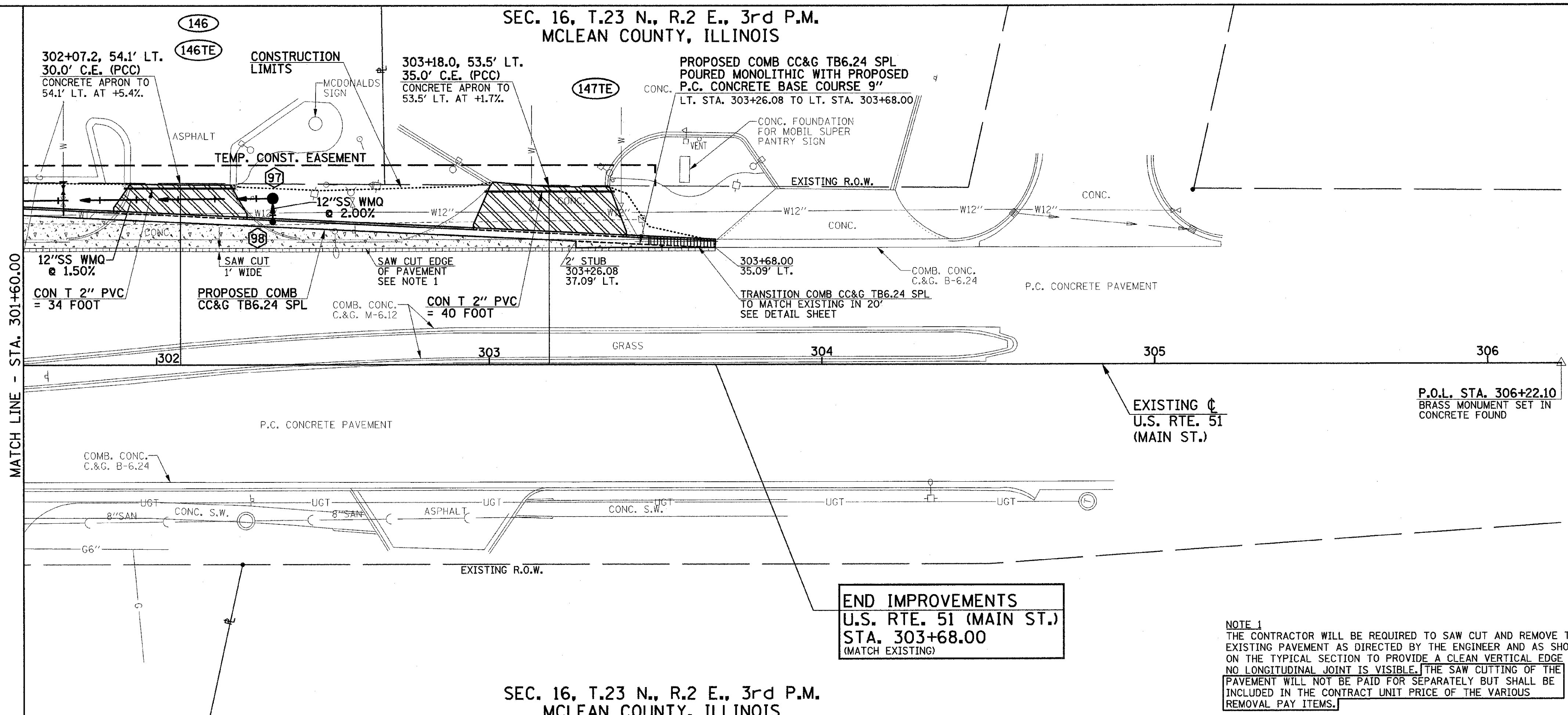
LOCATION STR. - STR. OR STA., O.S.	CONCRETE COLLAR (54248515) (EACH)	STORM SEW REM 12 (55100500) (FOOT)	STORM SEW REM 18 (55100900) (FOOT)	SS 1 WMQ 12 (X0321905) (FOOT)	SS 2 WMQ 15 (X0321908) (FOOT)	SS 2 WMQ 18 (XX005432) (FOOT)	STORM SEW CL A 1 12 (550A0050) (FOOT)	STORM SEW CL A 2 15 (550A0360) (FOOT)	GRADE %	TRENCH BACKFILL 20800150 (CU YD)
70 - 71								14	2.00	2.6
71 - 77					80				1.00	36.2
74 - 88		19								1.7
75 - 76	2	10					**8		0.80	0.4
77 - 87								2	5.00	0.4
87a - 88a	2		22			22				7.9
89 - 90							3		3.30	0.3
91 - 92a				24					0.20	0.1
92a - 94				30					0.50	1.3
94 - 96				82					1.00	4.1
96 - 97				117					1.50	9.3

CONCRETE COLLARS SHALL BE USED TO CONNECT STORM SEWERS OF DIFFERENT MATERIAL TYPES
**FOR CONNECTION TO EXISTING PIPES

887.14 887.88 888.57 889.06 889.67 890.31 890.99 891.67 892.33 892.92

297+00 297+50 298+00 298+50 299+00 299+50 300+00 300+50 301+00 301+50

SEC. 16, T.23 N., R.2 E., 3rd P.M.
MCLEAN COUNTY, ILLINOIS



0' 20' 40'
SCALE: 1" = 20'

LEGEND

- PROPOSED PCC DRIVEWAY PAVEMENT (6" FOR P.E. - 8" FOR C.E.)
- PROPOSED PORTLAND CEMENT CONCRETE BASE COURSE 9"
- PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL 2 1/2"

FOR REMOVAL/RELOCATION PLAN IN THIS AREA SEE SHEET NO. 24.

SEE HORIZONTAL ALIGNMENT LAYOUT AND CONTROL SHEETS FOR ADDITIONAL INFORMATION.

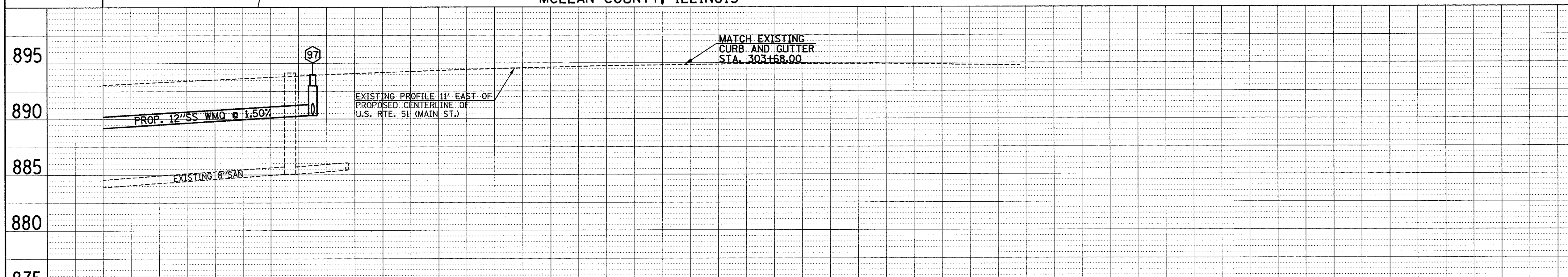
SEE SCHEDULE OF QUANTITIES FOR TYPICAL SECTION PAVEMENT PAY ITEMS AND THEIR LOCATIONS.

SEE THE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLANS FOR THE VARIOUS STAGES AND CONSTRUCTION SEQUENCES ON U.S. RTE 51.

END IMPROVEMENTS
U.S. RTE. 51 (MAIN ST.)
STA. 303+68.00
(MATCH EXISTING)

NOTE 1
THE CONTRACTOR WILL BE REQUIRED TO SAW CUT AND REMOVE THE EXISTING PAVEMENT AS DIRECTED BY THE ENGINEER AND AS SHOWN ON THE TYPICAL SECTION TO PROVIDE A CLEAN VERTICAL EDGE IF NO LONGITUDINAL JOINT IS VISIBLE. THE SAW CUTTING OF THE PAVEMENT WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE OF THE VARIOUS REMOVAL PAY ITEMS.

SEC. 16, T.23 N., R.2 E., 3rd P.M.
MCLEAN COUNTY, ILLINOIS



PROPOSED EDGE OF PAVEMENT TABLE			
STATION	OFFSET SIDE	EDGE OF PAVEMENT OFFSET DISTANCE	EDGE OF PAVEMENT ELEVATION
302+00.00	LT	43.09	893.02
302+50.00	LT	40.71	893.60
303+00.00	LT	38.33	894.04
303+50.00	LT	35.94	894.37
303+68.00	LT	35.09	MATCH EXISTING

STORM SEWER STRUCTURE SCHEDULE

STR. NO.	STRUCTURE TYPE	OFF-SET SIDE	STA. OF C/L 2 FT. OPENING	OFFSET OF C/L 2 FT. OPENING	STA. OF C/L STR.	OFFSET OF C/L STR.	EX. T/O FRAME/ GRATE ELEV.	PR. T/O FRAME/ GRATE ELEV.	PR. T/O FLAT SLAB TOP ELEV.	INVERT IN ELEV.	U.S. STR. NO.	INVERT OUT ELEV.	D.S. STR. NO.
97	RD INLETS TB T1 CLOSED	LT	302+35.00	50.50	302+35.00	50.00	----	894.00	893.00	890.40	98	890.30	96
98	INLETS TA T3 F&G	LT	302+35.00	42.95	302+35.00	42.95	----	893.36	----	----	----	890.50	97

STORM SEWER PIPE SCHEDULE

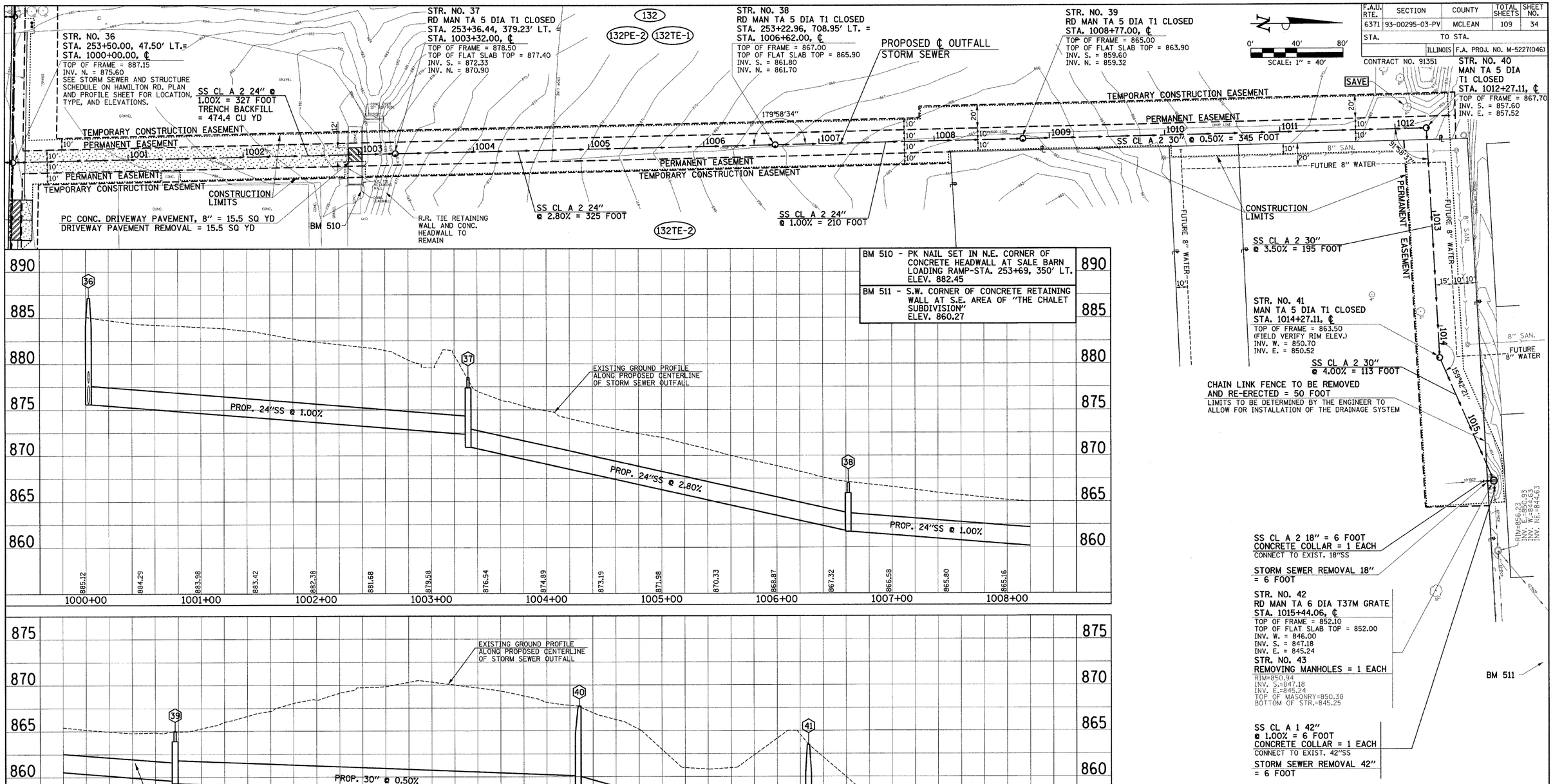
LOCATION STR. - STR. OR STA., O.S.	SS 1 WMQ 12 (X0321905) (FOOT)	GRADE %	TRENCH BACKFILL (20800150) (CU YD)
97 - 98	5	2.00	0.2

PLAN: SURVEYED / PLOTTED / ALIGNMENT CHECKED / R.T. OF WAY CHECKED / CADD FILE NAME / NOTE BOOK NO. / BY / DATE

PROFILE: SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATIONS CHKD / NOTE BOOK NO. / BY / DATE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	34
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351



BM 510 - PK NAIL SET IN N.E. CORNER OF CONCRETE HEADWALL AT SALE BARN LOADING RAMP-STA. 253+69, 350' LT. ELEV. 882.45

BM 511 - S.W. CORNER OF CONCRETE RETAINING WALL AT S.E. AREA OF "THE CHALET SUBDIVISION" ELEV. 860.27

LEGEND

- PROPOSED PCC DRIVEWAY PAVEMENT (6" FOR P.E. - 8" FOR C.E.)
- PROPOSED AGGREGATE SURFACE COURSE, TYPE B (8" THICK)

SEE HORIZONTAL ALIGNMENT LAYOUT AND CONTROL SHEETS FOR ADDITIONAL INFORMATION.

ILLINOIS DEPARTMENT OF TRANSPORTATION

OUTFALL STORM SEWER PLAN AND PROFILE

SCALE : 1"=40'

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.

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6/19/2009 8:32:58 AM

CITY OF BLOOMINGTON SECTION NO. 93-00295-03-PV MCLEAN COUNTY

SHEET 34 OF 109 SHEETS B0110094

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	35
STA.		TO STA.		
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

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 TRAFFIC CONTROL PLAN 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 701301, 701501, 701601, 701606, 701701, 701801, 701901, BLR 21, AND BLR 22; THE TRAFFIC CONTROL PLANS; AND THE SPECIAL PROVISIONS.

3. TRAFFIC CONTROL AND PROTECTION SHALL BE PAID FOR AT THE CONTRACT LUMP SUM PRICES FOR:

   TRAFFIC CONTROL AND PROTECTION (SPECIAL)
   TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 22
   TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21, SPECIAL
   TRAFFIC CONTROL AND PROTECTION, STANDARD 701501
   TRAFFIC CONTROL AND PROTECTION, STANDARD 701801
   TRAFFIC CONTROL AND PROTECTION, STANDARD 701606, SPECIAL
   TRAFFIC CONTROL AND PROTECTION, STANDARD 701601, SPECIAL
   TRAFFIC CONTROL AND PROTECTION, STANDARD 701701, SPECIAL

   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 THE TYPE OF PROTECTION FURNISHED. ALL ADDITIONAL TRAFFIC CONTROL DEVICES AND GUIDE SIGNS REQUIRED FOR THE WORK AS SHOWN ON THE TRAFFIC CONTROL PLANS SHALL BE INCLUDED IN THE LUMP SUM PRICE OF THESE ITEMS.

4. STANDARD 701301 MAY BE USED FOR SHORT TERM OPERATIONS REQUIRING THE CLOSURE OF ONE TRAFFIC LANE. STANDARD 701301 WILL NOT BE MEASURED FOR PAYMENT, AS DESCRIBED IN ARTICLE 701.19(a) 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 AND MATERIALS FOR THE MAINTENANCE OF TRAFFIC CONTROL DEVICES SHALL BE INCLUDED IN THE VARIOUS TRAFFIC CONTROL PAY ITEMS.

6. TEMPORARY ASPHALT RAMPS SHALL HAVE A MINIMUM TAPER RATE OF 1:40 (V:H) AND WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR TEMPORARY RAMP. THE CONSTRUCTION, MAINTENANCE, AND REMOVAL OF TEMPORARY ASPHALT RAMPS SHALL BE INCLUDED IN THE PRICE OF THIS ITEM.

7. THE AGGREGATE THAT IS USED FOR TEMPORARY ACCESS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR AGGREGATE FOR TEMPORARY ACCESS. THE PLACEMENT, MAINTENANCE, AND REMOVAL OF THE AGGREGATE FOR TEMPORARY ACCESS SHALL BE INCLUDED IN THE PRICE OF THIS ITEM.

8. TEMPORARY ASPHALT RAMPS AND AGGREGATE FOR TEMPORARY ACCESS SHALL BE CONSTRUCTED OR PLACED AT THE LOCATIONS SHOWN ON THE TRAFFIC CONTROL PLANS OR AS OTHERWISE DIRECTED BY THE ENGINEER.

9. THE CONTRACTOR SHALL GAP THE CURB AND GUTTER AT PROPOSED INLETS AT THE LOW POINTS ON HAMILTON ROAD AS REQUIRED TO PROVIDE TEMPORARY DRAINAGE DURING CONSTRUCTION.

10. WORK ZONE PAVEMENT MARKING WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS AND 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". ALL ADDITIONAL WORK ZONE PAVEMENT MARKING REQUIRED FOR THE WORK AS SHOWN ON THE TRAFFIC CONTROL PLANS AND STANDARDS SHALL BE INCLUDED IN THE LUMP SUM PRICE FOR THE APPROPRIATE TRAFFIC CONTROL AND PROTECTION PAY ITEM. ONLY PAVEMENT MARKING TAPE, TYPE III SHALL BE ALLOWED ON THE FINAL WEARING SURFACE.

11. THE CONTRACTOR SHALL REMOVE ALL 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 WILL BE PAID FOR SEPARATELY AS PAVEMENT MARKING REMOVAL. THE CONTRACTOR SHALL NOT REMOVE ANY EXISTING PAVEMENT MARKING ON HAMILTON ROAD WEST OF STATION 238+00.

12. EACH CONSTRUCTION SPEED LIMIT SIGN ASSEMBLY SHALL CONSIST OF ONE W2-1115(O)-3618 "WORK ZONE" SIGN, ONE R2-1-3648 "SPEED LIMIT XX" SIGN, ONE W2-1113(O)-3612 "BEGINS" SIGN, AND ONE R2-1106-3618 "$XXX FINE MINIMUM" SIGN. THE WORK ZONE SPEED LIMIT SHALL BE 25 MPH ON HAMILTON ROAD AND 35 MPH ON US ROUTE 51. THE FINE FOR SPEEDING IN THE WORK ZONE SHALL BE $375.

13. THE CONTRACTOR SHALL COVER OR REMOVE ANY EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLAN. THE PROPOSED TRAFFIC CONTROL SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH STANDARD 701901.

14. 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 SHOWN ON THE TRAFFIC CONTROL PLANS TO DELINEATE THE DROP-OFFS.

15. 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.

16. 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.

17. THE CONTRACTOR SHALL NOTIFY THE CITY OF BLOOMINGTON OF ALL ROAD CLOSURES AND DETOURS A MINIMUM OF 48 HOURS IN ADVANCE OF THE ROAD CLOSURES AND DETOURS.

18. THE CITY OF BLOOMINGTON SHALL BE RESPONSIBLE FOR NOTIFYING THE PUBLIC, THE UNITED STATES POSTAL SERVICE, AND THE EMERGENCY SERVICE AGENCIES OF ALL ROAD CLOSURES AND DETOURS.

19. FOR THE SUGGESTED STAGE CONSTRUCTION SEQUENCE, REFER TO THE TRAFFIC CONTROL PLANS FOR EACH STAGE.

20. 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.

21. THE PROPOSED WATER MAINS THAT ARE CONSTRUCTED DURING THE VARIOUS STAGES SHALL BE PRESSURE TESTED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION OF ANY PAVEMENT OVER THE WATER MAINS.

22. TYPE III BARRICADES NOT ASSOCIATED WITH ANY TRAFFIC CONTROL AND PROTECTION STANDARD, BUT REQUIRED BY THESE TRAFFIC CONTROL PLANS, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT LUMP SUM PRICES OF THE VARIOUS TRAFFIC CONTROL AND PROTECTION PAY ITEMS.

23. THE WORK ZONES SHOWN ON THESE TRAFFIC CONTROL 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 STANDARDS REQUIRED FOR THIS WORK ARE NOT SHOWN ON THESE TRAFFIC CONTROL PLANS UNLESS OTHERWISE NOTED.

24. THE TRAFFIC CONTROL AUTHORIZATION REQUEST FORM MUST BE FILLED OUT BY THE CONTRACTOR AND PROVIDED TO THE ENGINEER AT THE PRE-CONSTRUCTION MEETING.

25. ALL PROPOSED TRAFFIC SIGNAL HEADS SHALL BE BAGGED UNTIL THE SIGNALS ARE TURNED ON AT THE START OF STAGE VI UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

TRAFFIC CONTROL SUMMARY OF QUANTITIES

CODE NUMBER	DESCRIPTION	UNIT	QUANTITY
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	405
40600990	TEMPORARY RAMP	SQ YD	393
44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	*
70101800	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1
70101835	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 22	L SUM	1
70101855	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21, SPECIAL	L SUM	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1
70102665	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606, SPECIAL	L SUM	1
70102670	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601, SPECIAL	L SUM	1
70102675	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701, SPECIAL	L SUM	1
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	470
70300510	PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS	SQ FT	188
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	5948
70300570	PAVEMENT MARKING TAPE, TYPE III 24"	FOOT	88
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	2347
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	14

* SEE WATER MAIN PLANS FOR QUANTITY

WORK ZONE PAVEMENT MARKING SCHEDULE OF QUANTITIES

STAGE \ PAY ITEM	TEMP PVT MK LINE 4 (FOOT)	PAVT MARK TAPE T3 L&S (SQ FT)	PAVT MARK TAPE T3 4 (FOOT)	PAVT MARK TAPE T3 24 (FOOT)	WORK ZONE PAVT MK REM (SQ FT)
STAGE I	470		1232		
STAGE II					
STAGE III			500		
STAGE IV		125	1004	46	
STAGE V		63	1166	42	547
STAGE VI			2046		411
STAGE VII					
STAGE VIII					1389
TOTALS	470	188	5948	88	2347

NOTE: PAVEMENT MARKING THAT REMAINS IN PLACE FOR MULTIPLE STAGES WILL BE PAID FOR AS ONE APPLICATION.

ILLINOIS DEPARTMENT OF TRANSPORTATION

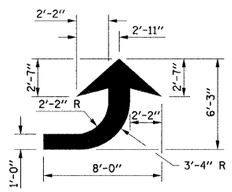
STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLAN

GENERAL NOTES AND SUMMARY OF QUANTITIES

DATE : 6-09
DRAWN BY : J.A.J.
CHECKED BY : R.L.H.
SCALE : NONE

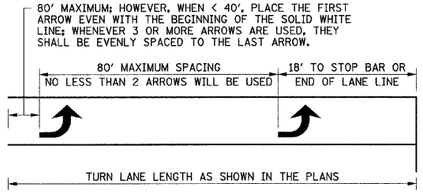
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	36
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351



LEFT ARROW

REVERSE FOR RIGHT ARROW
AREA = 15.6 SQ FT

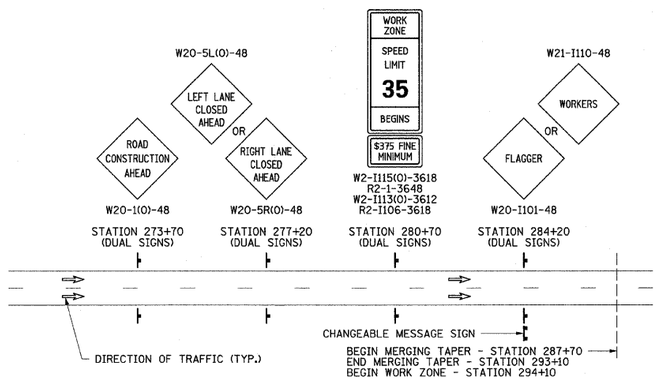


LEFT TURN LANE PAVEMENT MARKING

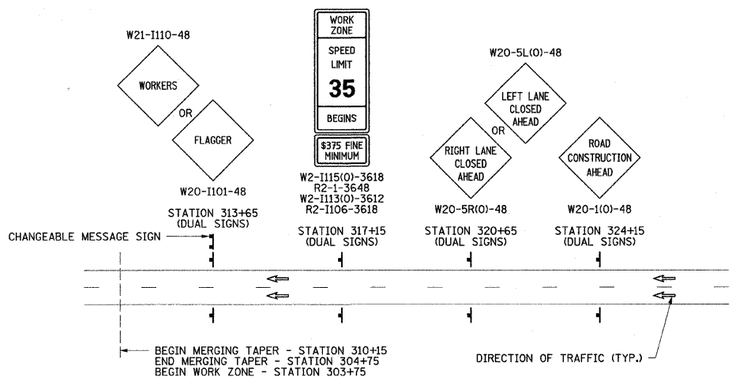
SAME SPACING APPLIES FOR
RIGHT TURN LANE

DETAILS FOR PAVEMENT MARKING LETTERS AND SYMBOLS AT TURN LANES

APPLIES FOR EVERY LEFT OR RIGHT TURN LANE DURING EACH STAGE OF CONSTRUCTION.



SOUTHBOUND US ROUTE 51



NORTHBOUND US ROUTE 51

DETAILS FOR ADVANCED TRAFFIC CONTROL ON US ROUTE 51

NOTES FOR ADVANCED TRAFFIC CONTROL ON US ROUTE 51

1. ADVANCED TRAFFIC CONTROL ON US ROUTE 51 SHALL BE IN ACCORDANCE WITH STANDARD 701601 AS MODIFIED HEREIN.
2. SIGN LOCATIONS ARE BASED ON THE STATION THAT THE MERGING TAPER BEGINS. SIGN LOCATIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
3. THE "ROAD CONSTRUCTION AHEAD" SIGNS AND CONSTRUCTION SPEED LIMIT SIGN ASSEMBLIES SHALL REMAIN IN PLACE UNTIL ALL WORK ON US ROUTE 51 IS COMPLETE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
4. THE USE OF CONES AS TRAFFIC CONTROL DEVICES SHALL ONLY BE ALLOWED FOR DAYTIME OPERATIONS AS DIRECTED BY THE ENGINEER.
5. PAVEMENT MARKING TAPE, TYPE III 4" SHALL BE PLACED THROUGHOUT THE MERGING TAPER AND UP TO THE WORK ZONE WHEN THE LANE CLOSURE TIME IS GREATER THAN 14 DAYS AND AS SHOWN ON THE TRAFFIC CONTROL PLANS. THE EDGE LINE SHALL BE YELLOW FOR LEFT LANE CLOSURES.
6. CHANGEABLE MESSAGE SIGNS SHALL BE PROVIDED AND MAINTAINED BY THE CONTRACTOR AT THE LOCATIONS SHOWN ON THE DETAIL. THE MESSAGES FOR THE SIGNS WILL BE PROVIDED BY THE ENGINEER. THE SIGNS SHALL BE PUT INTO OPERATION ONE WEEK PRIOR TO THE HAMILTON ROAD CLOSURE IN STAGE II TO INFORM MOTORISTS OF THE IMPENDING ROAD CLOSURE. THE SIGNS SHALL REMAIN IN PLACE FOR SEVEN CALENDAR DAYS OR AS OTHERWISE DIRECTED BY THE ENGINEER.

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLAN
DETAILS

DATE : 6-09
DRAWN BY : J.A.J.
CHECKED BY : R.L.H.
SCALE : NONE

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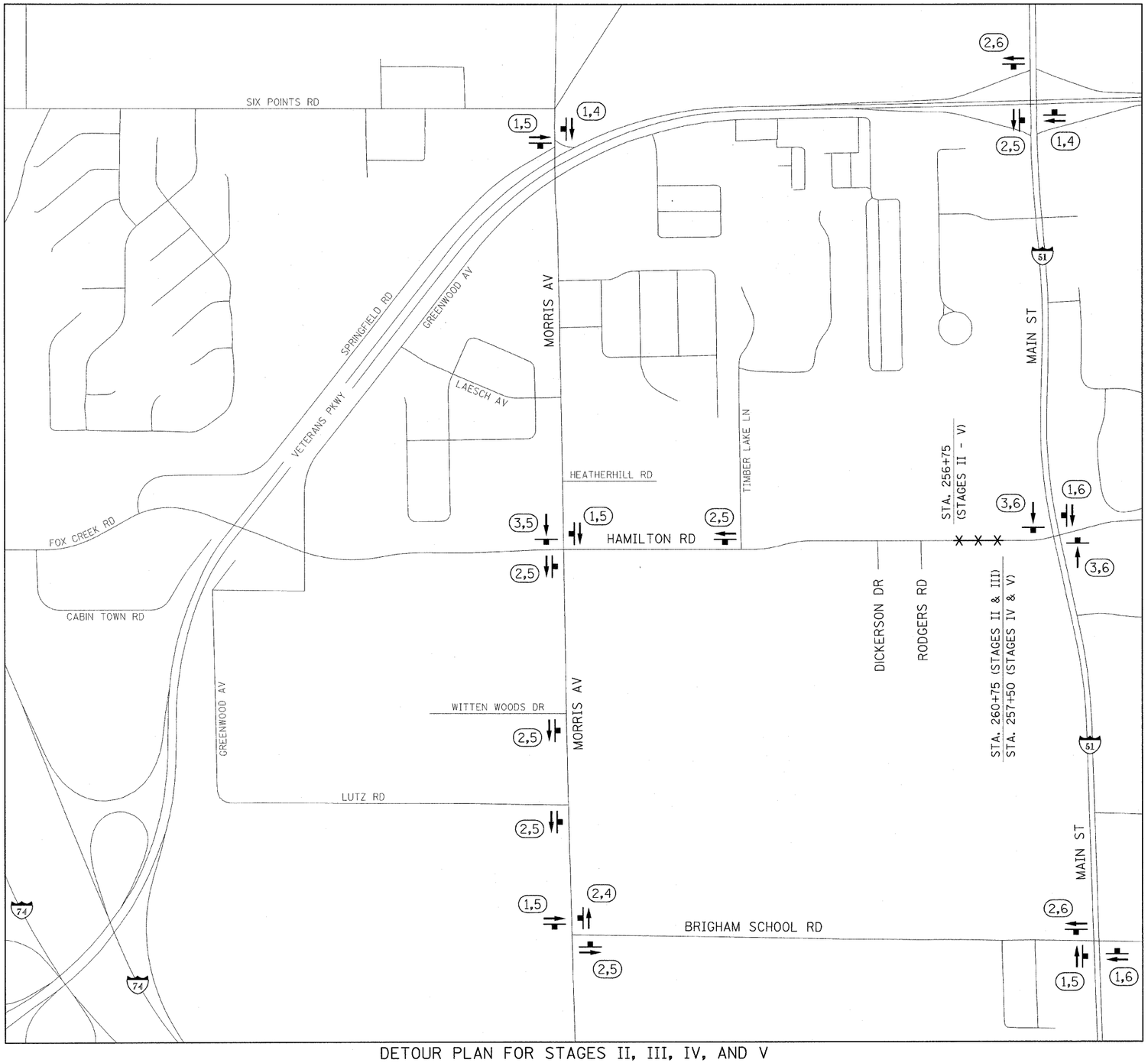
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	37
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351



DETOUR PLAN FOR STAGES II, III, IV, AND V

DETOUR PLAN LEGEND

- POST MOUNTED SIGN LOCATION
- DIRECTION OF DETOUR
- ROAD CLOSED TO ALL TRAFFIC

DETOUR SIGN LEGEND

M4-9L-3024 — DETOUR — ①

M4-9R-3024 — DETOUR — ②

M4-9-3024 — DETOUR — ③

D3-3609 — HAMILTON RD — ④

D3-3618 — EASTBOUND HAMILTON RD — ⑤

D3-3618 — WESTBOUND HAMILTON RD — ⑥

DETOUR PLAN GENERAL NOTES

1. REFER TO THE TRAFFIC CONTROL PLANS FOR LOCATIONS AND TYPES OF ROAD CLOSURES. THE DETOUR PLAN SHALL BE IN PLACE PRIOR TO THE START OF STAGE II AND SHALL REMAIN IN PLACE UNTIL THE END OF STAGE V UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. THE DETOUR SIGNS SHALL HAVE BLACK LETTERS, SYMBOLS, AND BORDERS WITH ORANGE REFLECTORIZED BACKGROUNDS.
3. THE DETOUR SIGNS SHALL BE MAINTAINED FOR THE DURATION OF THE DETOUR PLAN.
4. THE DETOUR SIGNS SHALL BE POST MOUNTED IN ACCORDANCE WITH STANDARD 701901.
5. FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE DETOUR SIGNS SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLAN

DETOUR PLAN

DATE : 6-09
DRAWN BY : J.A.J.
CHECKED BY : R.L.H.
SCALE : NONE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	38
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

LEGEND

- CONSTRUCTION WORK ZONE
- LIMITS OF PROPOSED CONSTRUCTION
- AGGREGATE FOR TEMPORARY ACCESS
- DRUM OR BARRICADE WITH STEADY BURN LIGHTS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DIRECTION OF TRAFFIC
- SIGN

NOTE:
THE ADDITIONAL TRAFFIC CONTROL DEVICES SHOWN FOR THIS STAGE SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION, STANDARD 701606, SPECIAL UNLESS OTHERWISE NOTED.

THE TRAFFIC CONTROL DEVICES AND PAVEMENT MARKINGS SHOWN FOR THIS STAGE THAT ARE WEST OF US ROUTE 51 SHALL REMAIN IN PLACE UNTIL THE START OF STAGE VI UNLESS OTHERWISE NOTED.

THE TRAFFIC CONTROL SIGNS SHOWN ON THIS SHEET SHALL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT.

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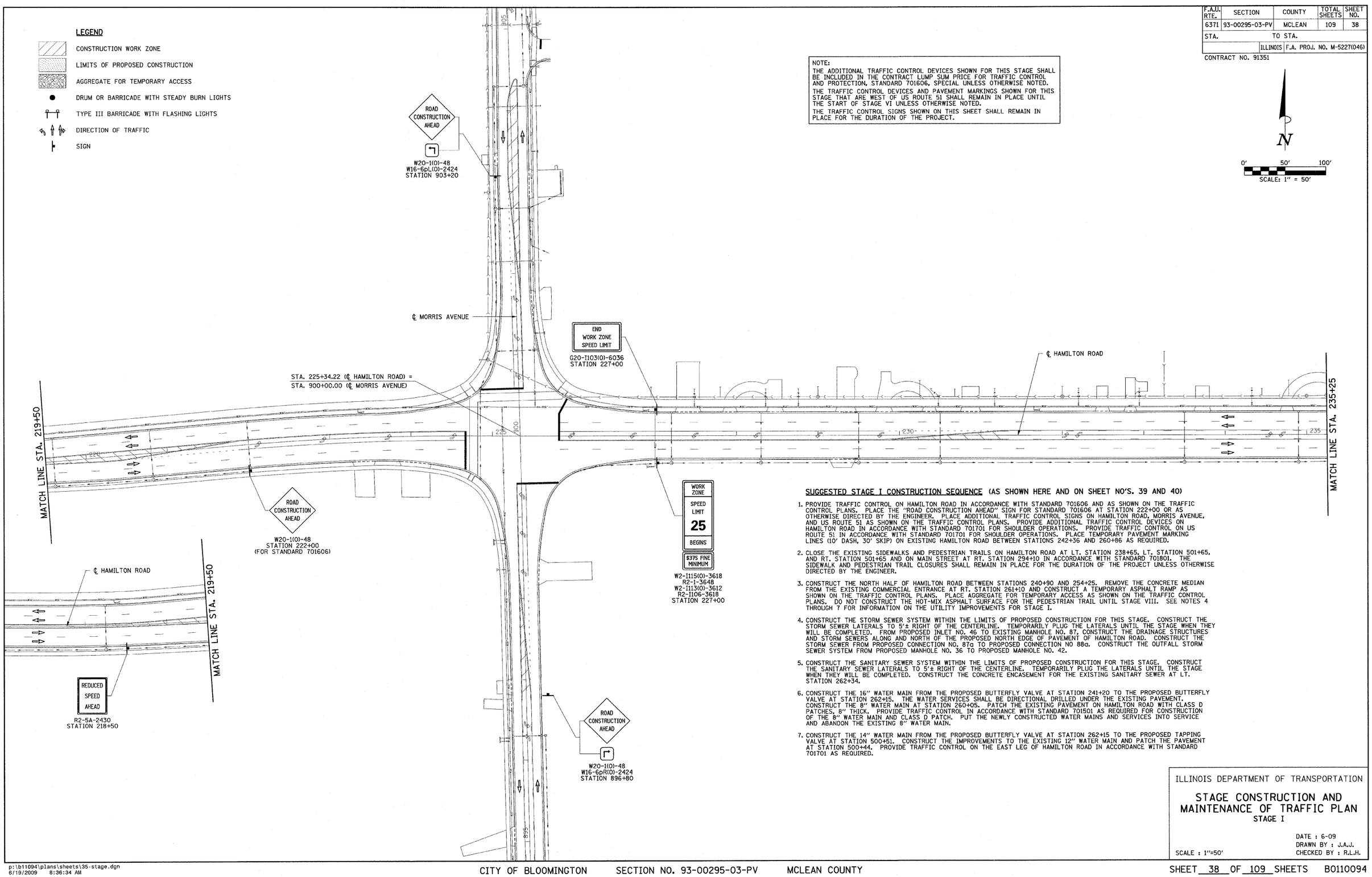
0′ 50′ 100′
SCALE: 1″ = 50′



SUGGESTED STAGE I CONSTRUCTION SEQUENCE (AS SHOWN HERE AND ON SHEET NO'S. 39 AND 40)

1. PROVIDE TRAFFIC CONTROL ON HAMILTON ROAD IN ACCORDANCE WITH STANDARD 701606 AND AS SHOWN ON THE TRAFFIC CONTROL PLANS. PLACE THE "ROAD CONSTRUCTION AHEAD" SIGN FOR STANDARD 701606 AT STATION 222+00 OR AS OTHERWISE DIRECTED BY THE ENGINEER. PLACE ADDITIONAL TRAFFIC CONTROL SIGNS ON HAMILTON ROAD, MORRIS AVENUE, AND US ROUTE 51 AS SHOWN ON THE TRAFFIC CONTROL PLANS. PROVIDE ADDITIONAL TRAFFIC CONTROL DEVICES ON HAMILTON ROAD IN ACCORDANCE WITH STANDARD 701701 FOR SHOULDER OPERATIONS. PROVIDE TRAFFIC CONTROL ON US ROUTE 51 IN ACCORDANCE WITH STANDARD 701701 FOR SHOULDER OPERATIONS. PLACE TEMPORARY PAVEMENT MARKING LINES (10' DASH, 30' SKIP) ON EXISTING HAMILTON ROAD BETWEEN STATIONS 242+36 AND 260+86 AS REQUIRED.
2. CLOSE THE EXISTING SIDEWALKS AND PEDESTRIAN TRAILS ON HAMILTON ROAD AT LT. STATION 238+65, LT. STATION 501+65, AND RT. STATION 501+65 AND ON MAIN STREET AT RT. STATION 294+10 IN ACCORDANCE WITH STANDARD 701801. THE SIDEWALK AND PEDESTRIAN TRAIL CLOSURES SHALL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
3. CONSTRUCT THE NORTH HALF OF HAMILTON ROAD BETWEEN STATIONS 240+90 AND 254+25. REMOVE THE CONCRETE MEDIAN FROM THE EXISTING COMMERCIAL ENTRANCE AT RT. STATION 261+10 AND CONSTRUCT A TEMPORARY ASPHALT RAMP AS SHOWN ON THE TRAFFIC CONTROL PLANS. PLACE AGGREGATE FOR TEMPORARY ACCESS AS SHOWN ON THE TRAFFIC CONTROL PLANS. DO NOT CONSTRUCT THE HOT-MIX ASPHALT SURFACE FOR THE PEDESTRIAN TRAIL UNTIL STAGE VIII. SEE NOTES 4 THROUGH 7 FOR INFORMATION ON THE UTILITY IMPROVEMENTS FOR STAGE I.
4. CONSTRUCT THE STORM SEWER SYSTEM WITHIN THE LIMITS OF PROPOSED CONSTRUCTION FOR THIS STAGE. CONSTRUCT THE STORM SEWER LATERALS TO 5'± RIGHT OF THE CENTERLINE. TEMPORARILY PLUG THE LATERALS UNTIL THE STAGE WHEN THEY WILL BE COMPLETED. FROM PROPOSED INLET NO. 46 TO EXISTING MANHOLE NO. 87, CONSTRUCT THE DRAINAGE STRUCTURES AND STORM SEWERS ALONG AND NORTH OF THE PROPOSED NORTH EDGE OF PAVEMENT OF HAMILTON ROAD. CONSTRUCT THE STORM SEWER FROM PROPOSED CONNECTION NO. 87a TO PROPOSED CONNECTION NO 88a. CONSTRUCT THE OUTFALL STORM SEWER SYSTEM FROM PROPOSED MANHOLE NO. 36 TO PROPOSED MANHOLE NO. 42.
5. CONSTRUCT THE SANITARY SEWER SYSTEM WITHIN THE LIMITS OF PROPOSED CONSTRUCTION FOR THIS STAGE. CONSTRUCT THE SANITARY SEWER LATERALS TO 5'± RIGHT OF THE CENTERLINE. TEMPORARILY PLUG THE LATERALS UNTIL THE STAGE WHEN THEY WILL BE COMPLETED. CONSTRUCT THE CONCRETE ENCASEMENT FOR THE EXISTING SANITARY SEWER AT LT. STATION 262+34.
6. CONSTRUCT THE 16" WATER MAIN FROM THE PROPOSED BUTTERFLY VALVE AT STATION 241+20 TO THE PROPOSED BUTTERFLY VALVE AT STATION 262+15. THE WATER SERVICES SHALL BE DIRECTIONAL DRILLED UNDER THE EXISTING PAVEMENT. CONSTRUCT THE 8" WATER MAIN AT STATION 260+05. PATCH THE EXISTING PAVEMENT ON HAMILTON ROAD WITH CLASS D PATCHES, 8" THICK. PROVIDE TRAFFIC CONTROL IN ACCORDANCE WITH STANDARD 701501 AS REQUIRED FOR CONSTRUCTION OF THE 8" WATER MAIN AND CLASS D PATCH. PUT THE NEWLY CONSTRUCTED WATER MAINS AND SERVICES INTO SERVICE AND ABANDON THE EXISTING 8" WATER MAIN.
7. CONSTRUCT THE 14" WATER MAIN FROM THE PROPOSED BUTTERFLY VALVE AT STATION 262+15 TO THE PROPOSED TAPPING VALVE AT STATION 500+51. CONSTRUCT THE IMPROVEMENTS TO THE EXISTING 12" WATER MAIN AND PATCH THE PAVEMENT AT STATION 500+44. PROVIDE TRAFFIC CONTROL ON THE EAST LEG OF HAMILTON ROAD IN ACCORDANCE WITH STANDARD 701701 AS REQUIRED.

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLAN
STAGE I

DATE : 6-09
DRAWN BY : J.A.J.
CHECKED BY : R.L.H.
SCALE : 1"=50'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	39
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

LEGEND

- CONSTRUCTION WORK ZONE
- LIMITS OF PROPOSED CONSTRUCTION
- AGGREGATE FOR TEMPORARY ACCESS
- DRUM OR BARRICADE WITH STEADY BURN LIGHTS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DIRECTION OF TRAFFIC
- SIGN

WORK ZONE PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING TAPE, TYPE III 4" - YELLOW
- (B) PAVEMENT MARKING TAPE, TYPE III 4" - WHITE
- (C) PAVEMENT MARKING TAPE, TYPE III 4" - DOUBLE YELLOW
- (D) TEMPORARY PAVEMENT MARKING - LINE 4" - YELLOW (10' DASH, 30' SKIP)

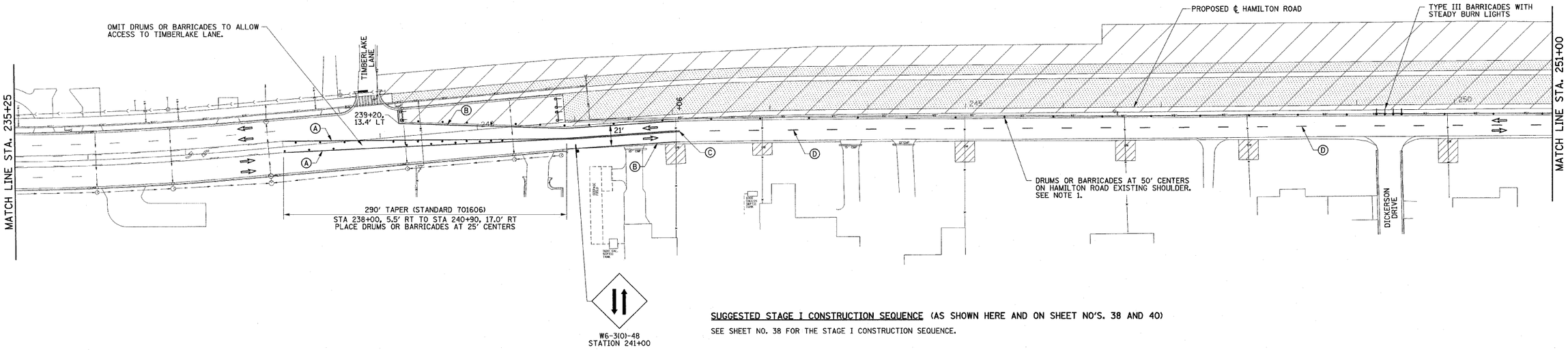
NOTE:
THE ADDITIONAL TRAFFIC CONTROL DEVICES SHOWN FOR THIS STAGE SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION, STANDARD 701606, SPECIAL UNLESS OTHERWISE NOTED.

THE TRAFFIC CONTROL DEVICES AND PAVEMENT MARKINGS SHOWN FOR THIS STAGE THAT ARE WEST OF US ROUTE 51 SHALL REMAIN IN PLACE UNTIL THE START OF STAGE VI UNLESS OTHERWISE NOTED.

N

0' 50' 100'

SCALE: 1" = 50'



SUGGESTED STAGE I CONSTRUCTION SEQUENCE (AS SHOWN HERE AND ON SHEET NO'S. 38 AND 40)

SEE SHEET NO. 38 FOR THE STAGE I CONSTRUCTION SEQUENCE.

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLAN
STAGE I

DATE : 6-09
DRAWN BY : J.A.J.
CHECKED BY : R.L.H.

SCALE : 1"=50'

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6/24/2009 8:55:50 AM

CITY OF BLOOMINGTON SECTION NO. 93-00295-03-PV MCLEAN COUNTY

SHEET 39 OF 109 SHEETS B0110094

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	40
STA.		TO STA.		
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

LEGEND

- CONSTRUCTION WORK ZONE
- LIMITS OF PROPOSED CONSTRUCTION
- AGGREGATE FOR TEMPORARY ACCESS
- DRUM OR BARRICADE WITH STEADY BURN LIGHTS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DIRECTION OF TRAFFIC
- SIGN

WORK ZONE PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING TAPE, TYPE III 4" - YELLOW
- (B) PAVEMENT MARKING TAPE, TYPE III 4" - WHITE
- (C) PAVEMENT MARKING TAPE, TYPE III 4" - DOUBLE YELLOW
- (D) TEMPORARY PAVEMENT MARKING - LINE 4" - YELLOW (10' DASH, 30' SKIP)

NOTE:
THE ADDITIONAL TRAFFIC CONTROL DEVICES SHOWN FOR THIS STAGE SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION, STANDARD 701606, SPECIAL UNLESS OTHERWISE NOTED.
THE TRAFFIC CONTROL DEVICES AND PAVEMENT MARKINGS SHOWN FOR THIS STAGE THAT ARE WEST OF US ROUTE 51 SHALL REMAIN IN PLACE UNTIL THE START OF STAGE VI UNLESS OTHERWISE NOTED.
THE "END WORK ZONE SPEED LIMIT" SIGNS SHOWN ON THIS SHEET SHALL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT.

N

0' 50' 100'
SCALE: 1" = 50'

℄ US ROUTE 51

ROAD CONSTRUCTION AHEAD
W20-1(0)-48
W16-6pR(0)-2424
STATION 294+30

END WORK ZONE SPEED LIMIT
G20-1103(0)-6036
STATION 290+80
(NOT SHOWN)

NOTE:
THE EXISTING INTERSECTION LANE CONTROL SIGN AT STATION 503+50 SHALL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

ROAD CONSTRUCTION AHEAD
W20-1(0)-48
STATION 501+50

ONLY ONLY
INTERSECTION LANE CONTROL SIGN

REDUCED SPEED AHEAD
R2-5A-2430
STATION 507+00
(NOT SHOWN)

END WORK ZONE SPEED LIMIT
G20-1103(0)-6036
STATION 507+00
(NOT SHOWN)

WORK ZONE SPEED LIMIT 25 BEGINS $375 FINE MINIMUM
W2-1115(0)-3618
R2-1-3648
W2-1113(0)-3612
R2-1106-3618
STATION 261+00
FOR STAGE I

TYPE III BARRICADES WITH STEADY BURN LIGHTS

SEE NOTE 3

PROPOSED ℄ HAMILTON ROAD

EXISTING ENTRANCE TO REMAIN OPEN DURING STAGE I

SEE NOTE 7

SEE NOTE 3

SEE NOTE 6

TEMPORARY ASPHALT RAMP. SEE NOTE 3.

MATCH LINE STA. 251+00

RODGERS ROAD

DRUMS OR BARRICADES AT 50' CENTERS ON HAMILTON ROAD EXISTING SHOULDER. SEE NOTE 1.

ROAD CONSTRUCTION AHEAD
W20-1(0)-48
W16-6pL(0)-2424
STATION 303+60

END WORK ZONE SPEED LIMIT
G20-1103(0)-6036
STATION 307+20
(NOT SHOWN)

SUGGESTED STAGE I CONSTRUCTION SEQUENCE (AS SHOWN HERE AND ON SHEET NO'S. 38 AND 39)

SEE SHEET NO. 38 FOR THE STAGE I CONSTRUCTION SEQUENCE.

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLAN
STAGE I

SCALE : 1"=50'

DATE : 6-09
DRAWN BY : J.A.J.
CHECKED BY : R.L.H.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	41
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

LEGEND

- CONSTRUCTION WORK ZONE
- LIMITS OF PROPOSED CONSTRUCTION
- AGGREGATE FOR TEMPORARY ACCESS
- DRUM OR BARRICADE WITH STEADY BURN LIGHTS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DIRECTION OF TRAFFIC
- SIGN

NOTE:
THE ADDITIONAL TRAFFIC CONTROL DEVICES SHOWN FOR THIS STAGE SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21, SPECIAL UNLESS OTHERWISE NOTED.

N

0' 50' 100'
SCALE: 1" = 50'

END WORK ZONE SPEED LIMIT
G20-1103(0)-6036
FROM STAGE I
(NOT SHOWN)

ROAD CONSTRUCTION AHEAD
W20-1(0)-48
STATION 507+75
(NOT SHOWN)

LEFT LANE CLOSED AHEAD
W20-5L(0)-48
STATION 505+75
(NOT SHOWN)

℄ US ROUTE 51

ROAD CLOSED AHEAD
W20-3(0)-48
W16-6pR(0)-2424
STATION 296+25

NOTE:
THE EXISTING INTERSECTION LANE CONTROL SIGN AT STATION 503+50 SHALL BE COVERED DURING THIS STAGE.

WORKERS
W21-1110-48
STATION 503+75

DRUMS OR BARRICADES FOR STAGE II. SEE NOTE 4.

DRUMS OR BARRICADES AT 25' CENTERS FOR STAGES II AND III. SEE NOTE 4.

CLOSE AHEAD THROUGH LANE ON WESTBOUND HAMILTON ROAD. SEE NOTE 2.

50' TAPER

FROM STAGE I

SEE NOTE 4

PROPOSED ℄ HAMILTON ROAD

SEE NOTE 2

SEE NOTE 1

SEE NOTE 1

DRUMS OR BARRICADES AT 25' CENTERS. SEE NOTE 4.

DRUMS OR BARRICADES AT 10' CENTERS

ARROW BOARD IN DOUBLE ARROW

DRUMS OR BARRICADES AT 25' CENTERS

ROGERS ROAD

EXISTING ENTRANCE TO REMAIN UNTIL STAGE VI.

FOR STAGES II, III, AND IV. SEE NOTE 4.

ROAD CLOSED AHEAD
W20-3(0)-48
W16-6pL(0)-2424
STATION 301+00

END WORK ZONE SPEED LIMIT
G20-1103(0)-6036
FROM STAGE I
(NOT SHOWN)

END WORK ZONE SPEED LIMIT
G20-1103(0)-6036
FROM STAGE I
(NOT SHOWN)

SUGGESTED STAGE II CONSTRUCTION SEQUENCE (AS SHOWN)

1. CLOSE EXISTING EASTBOUND HAMILTON ROAD TO THRU TRAFFIC AT STATION 254+25 IN ACCORDANCE WITH STANDARD BLR 22. CLOSE EXISTING EASTBOUND HAMILTON ROAD TO ALL TRAFFIC AT STATION 256+75 IN ACCORDANCE WITH STANDARD BLR 21. THE CHANGEABLE MESSAGE SIGNS ON US ROUTE 51 SHALL BE PUT INTO OPERATION ONE WEEK PRIOR TO CLOSING HAMILTON ROAD. THE CLOSURES SHALL REMAIN IN PLACE UNTIL THE START OF STAGE VI.

2. CLOSE THE EXISTING WESTBOUND HAMILTON ROAD AHEAD THROUGH LANE TO ALL TRAFFIC BETWEEN STATIONS 500+60 AND 501+75 IN ACCORDANCE WITH THE DETAILS SHOWN ON THE TRAFFIC CONTROL PLANS AND AS DIRECTED BY THE ENGINEER. THE TRAFFIC CONTROL DEVICES REQUIRED FOR THIS CLOSURE SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION, STANDARD 701701, SPECIAL. CLOSE EXISTING WESTBOUND HAMILTON ROAD TO ALL TRAFFIC AT STATION 260+75 IN ACCORDANCE WITH STANDARD BLR 21. THE CHANGEABLE MESSAGE SIGNS ON US ROUTE 51 SHALL BE PUT INTO OPERATION ONE WEEK PRIOR TO CLOSING HAMILTON ROAD. THE CLOSURES SHALL REMAIN IN PLACE UNTIL THE START OF STAGE IV.

3. THE PREVIOUSLY CONSTRUCTED SECTION OF HAMILTON ROAD BETWEEN STATIONS 240+90 AND 254+25 SHALL BE CLOSED TO ALL TRAFFIC. PROVIDE TRAFFIC CONTROL ON US ROUTE 51 AND ON HAMILTON ROAD EAST OF US ROUTE 51 IN ACCORDANCE WITH STANDARD 701701 FOR SHOULDER OPERATIONS.

4. PROVIDE TYPE III BARRICADES FOR ACCESS TO THE ENTRANCES AT LT. STATIONS 254+00 AND RT. 258+74 AS SHOWN ON THE TRAFFIC CONTROL PLANS. PROVIDE ADDITIONAL DRUMS OR BARRICADES AS SHOWN ON THE TRAFFIC CONTROL PLANS OR AS DIRECTED BY THE ENGINEER. THE ADDITIONAL TRAFFIC CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL THE START OF STAGE VI UNLESS OTHERWISE NOTED.

5. CONSTRUCT THE NORTH HALF OF HAMILTON ROAD BETWEEN STATIONS 254+25 AND 261+60. CONSTRUCT THE STORM SEWER SYSTEM WITHIN THE LIMITS OF PROPOSED CONSTRUCTION FOR THIS STAGE. CONSTRUCT THE STORM SEWER LATERALS TO 5'± RIGHT OF THE CENTERLINE. TEMPORARILY PLUG THE LATERALS UNTIL THE STAGE WHEN THEY WILL BE COMPLETED. DO NOT CONSTRUCT THE HOT-MIX ASPHALT SURFACE FOR THE PEDESTRIAN TRAIL UNTIL STAGE VIII.

6. INSTALL THE TEMPORARY TRAFFIC SIGNALS AT THE INTERSECTION OF HAMILTON ROAD AND US ROUTE 51. ACTIVATE THE TEMPORARY TRAFFIC SIGNALS AT THE END OF STAGE II. THE TEMPORARY TRAFFIC SIGNALS SHALL REMAIN IN OPERATION UNTIL THE START OF STAGE VI UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLAN
STAGE II

SCALE : 1"=50'

DATE : 6-09
DRAWN BY : J.A.J.
CHECKED BY : R.L.H.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	42
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

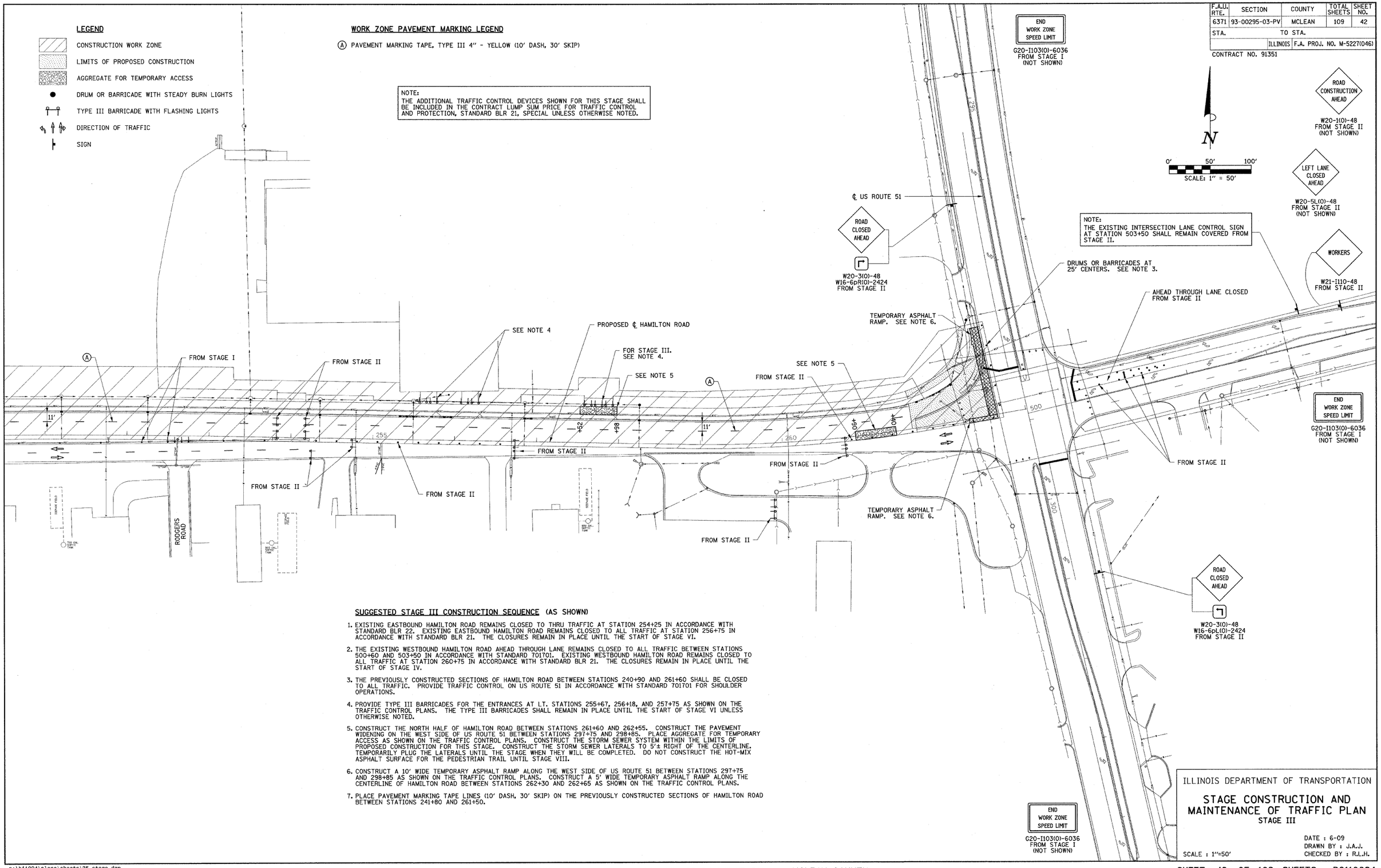
LEGEND

- CONSTRUCTION WORK ZONE
- LIMITS OF PROPOSED CONSTRUCTION
- AGGREGATE FOR TEMPORARY ACCESS
- DRUM OR BARRICADE WITH STEADY BURN LIGHTS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DIRECTION OF TRAFFIC
- SIGN

WORK ZONE PAVEMENT MARKING LEGEND

(A) PAVEMENT MARKING TAPE, TYPE III 4" - YELLOW (10' DASH, 30' SKIP)

NOTE:
THE ADDITIONAL TRAFFIC CONTROL DEVICES SHOWN FOR THIS STAGE SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21, SPECIAL UNLESS OTHERWISE NOTED.



SUGGESTED STAGE III CONSTRUCTION SEQUENCE (AS SHOWN)

1. EXISTING EASTBOUND HAMILTON ROAD REMAINS CLOSED TO THRU TRAFFIC AT STATION 254+25 IN ACCORDANCE WITH STANDARD BLR 22. EXISTING EASTBOUND HAMILTON ROAD REMAINS CLOSED TO ALL TRAFFIC AT STATION 256+75 IN ACCORDANCE WITH STANDARD BLR 21. THE CLOSURES REMAIN IN PLACE UNTIL THE START OF STAGE VI.
2. THE EXISTING WESTBOUND HAMILTON ROAD AHEAD THROUGH LANE REMAINS CLOSED TO ALL TRAFFIC BETWEEN STATIONS 500+60 AND 503+50 IN ACCORDANCE WITH STANDARD 701701. EXISTING WESTBOUND HAMILTON ROAD REMAINS CLOSED TO ALL TRAFFIC AT STATION 260+75 IN ACCORDANCE WITH STANDARD BLR 21. THE CLOSURES REMAIN IN PLACE UNTIL THE START OF STAGE IV.
3. THE PREVIOUSLY CONSTRUCTED SECTIONS OF HAMILTON ROAD BETWEEN STATIONS 240+90 AND 261+60 SHALL BE CLOSED TO ALL TRAFFIC. PROVIDE TRAFFIC CONTROL ON US ROUTE 51 IN ACCORDANCE WITH STANDARD 701701 FOR SHOULDER OPERATIONS.
4. PROVIDE TYPE III BARRICADES FOR THE ENTRANCES AT LT. STATIONS 255+67, 256+18, AND 257+75 AS SHOWN ON THE TRAFFIC CONTROL PLANS. THE TYPE III BARRICADES SHALL REMAIN IN PLACE UNTIL THE START OF STAGE VI UNLESS OTHERWISE NOTED.
5. CONSTRUCT THE NORTH HALF OF HAMILTON ROAD BETWEEN STATIONS 261+60 AND 262+55. CONSTRUCT THE PAVEMENT WIDENING ON THE WEST SIDE OF US ROUTE 51 BETWEEN STATIONS 297+75 AND 298+85. PLACE AGGREGATE FOR TEMPORARY ACCESS AS SHOWN ON THE TRAFFIC CONTROL PLANS. CONSTRUCT THE STORM SEWER SYSTEM WITHIN THE LIMITS OF PROPOSED CONSTRUCTION FOR THIS STAGE. CONSTRUCT THE STORM SEWER LATERALS TO 5'± RIGHT OF THE CENTERLINE. TEMPORARILY PLUG THE LATERALS UNTIL THE STAGE WHEN THEY WILL BE COMPLETED. DO NOT CONSTRUCT THE HOT-MIX ASPHALT SURFACE FOR THE PEDESTRIAN TRAIL UNTIL STAGE VIII.
6. CONSTRUCT A 10' WIDE TEMPORARY ASPHALT RAMP ALONG THE WEST SIDE OF US ROUTE 51 BETWEEN STATIONS 297+75 AND 298+85 AS SHOWN ON THE TRAFFIC CONTROL PLANS. CONSTRUCT A 5' WIDE TEMPORARY ASPHALT RAMP ALONG THE CENTERLINE OF HAMILTON ROAD BETWEEN STATIONS 262+30 AND 262+65 AS SHOWN ON THE TRAFFIC CONTROL PLANS.
7. PLACE PAVEMENT MARKING TAPE LINES (10' DASH, 30' SKIP) ON THE PREVIOUSLY CONSTRUCTED SECTIONS OF HAMILTON ROAD BETWEEN STATIONS 241+80 AND 261+50.

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLAN
STAGE III

DATE : 6-09
DRAWN BY : J.A.J.
CHECKED BY : R.L.H.
SCALE : 1"=50'

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6/19/2009 8:36:37 AM

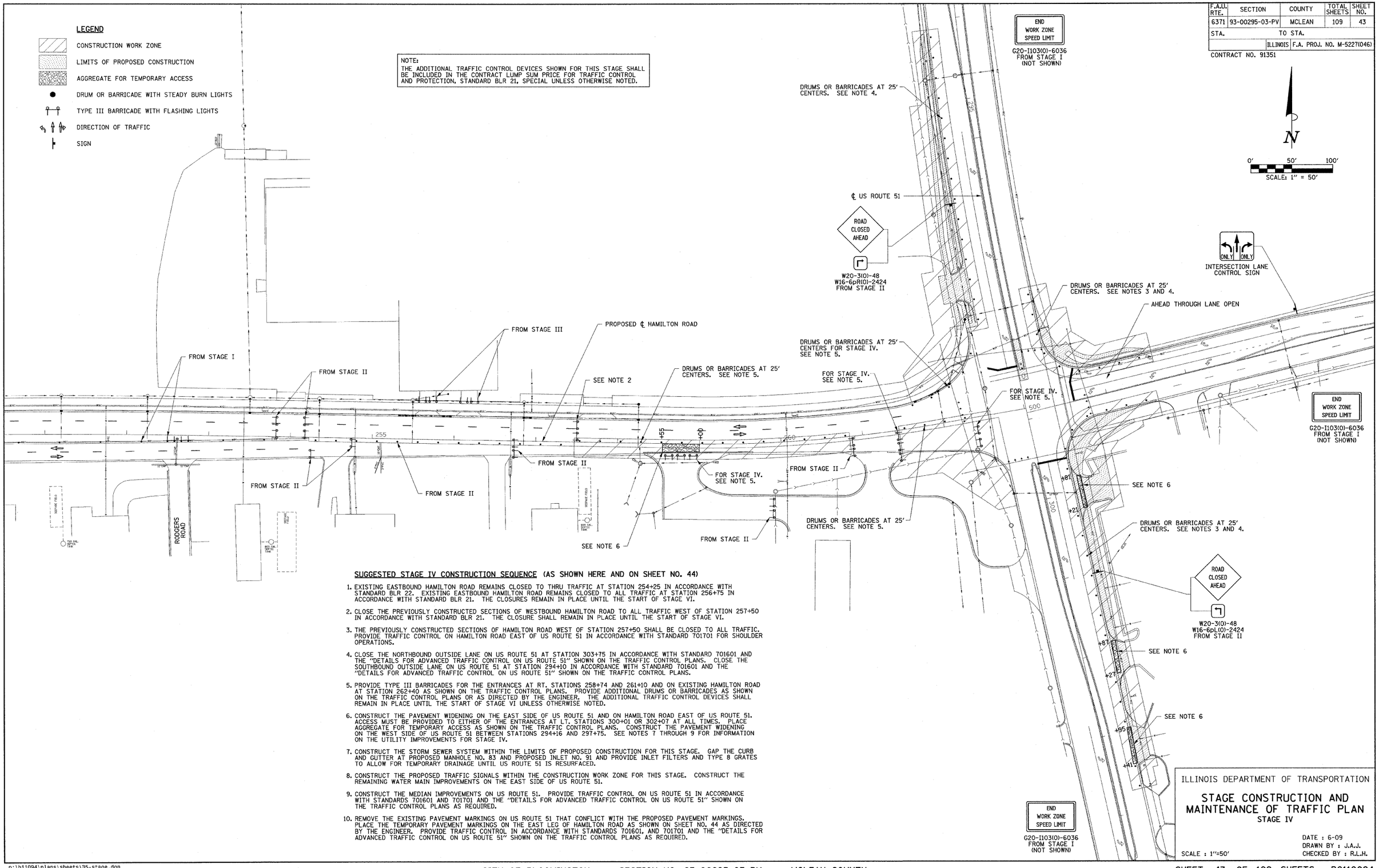
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	43
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

LEGEND

- CONSTRUCTION WORK ZONE
- LIMITS OF PROPOSED CONSTRUCTION
- AGGREGATE FOR TEMPORARY ACCESS
- DRUM OR BARRICADE WITH STEADY BURN LIGHTS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DIRECTION OF TRAFFIC
- SIGN

NOTE:
THE ADDITIONAL TRAFFIC CONTROL DEVICES SHOWN FOR THIS STAGE SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21, SPECIAL UNLESS OTHERWISE NOTED.



SUGGESTED STAGE IV CONSTRUCTION SEQUENCE (AS SHOWN HERE AND ON SHEET NO. 44)

1. EXISTING EASTBOUND HAMILTON ROAD REMAINS CLOSED TO THRU TRAFFIC AT STATION 254+25 IN ACCORDANCE WITH STANDARD BLR 22. EXISTING EASTBOUND HAMILTON ROAD REMAINS CLOSED TO ALL TRAFFIC AT STATION 256+75 IN ACCORDANCE WITH STANDARD BLR 21. THE CLOSURES REMAIN IN PLACE UNTIL THE START OF STAGE VI.
2. CLOSE THE PREVIOUSLY CONSTRUCTED SECTIONS OF WESTBOUND HAMILTON ROAD TO ALL TRAFFIC WEST OF STATION 257+50 IN ACCORDANCE WITH STANDARD BLR 21. THE CLOSURE SHALL REMAIN IN PLACE UNTIL THE START OF STAGE VI.
3. THE PREVIOUSLY CONSTRUCTED SECTIONS OF HAMILTON ROAD WEST OF STATION 257+50 SHALL BE CLOSED TO ALL TRAFFIC. PROVIDE TRAFFIC CONTROL ON HAMILTON ROAD EAST OF US ROUTE 51 IN ACCORDANCE WITH STANDARD 701701 FOR SHOULDER OPERATIONS.
4. CLOSE THE NORTHBOUND OUTSIDE LANE ON US ROUTE 51 AT STATION 303+75 IN ACCORDANCE WITH STANDARD 701601 AND THE "DETAILS FOR ADVANCED TRAFFIC CONTROL ON US ROUTE 51" SHOWN ON THE TRAFFIC CONTROL PLANS. CLOSE THE SOUTHBOUND OUTSIDE LANE ON US ROUTE 51 AT STATION 294+10 IN ACCORDANCE WITH STANDARD 701601 AND THE "DETAILS FOR ADVANCED TRAFFIC CONTROL ON US ROUTE 51" SHOWN ON THE TRAFFIC CONTROL PLANS.
5. PROVIDE TYPE III BARRICADES FOR THE ENTRANCES AT RT. STATIONS 258+74 AND 261+10 AND ON EXISTING HAMILTON ROAD AT STATION 262+40 AS SHOWN ON THE TRAFFIC CONTROL PLANS. PROVIDE ADDITIONAL DRUMS OR BARRICADES AS SHOWN ON THE TRAFFIC CONTROL PLANS OR AS DIRECTED BY THE ENGINEER. THE ADDITIONAL TRAFFIC CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL THE START OF STAGE VI UNLESS OTHERWISE NOTED.
6. CONSTRUCT THE PAVEMENT WIDENING ON THE EAST SIDE OF US ROUTE 51 AND ON HAMILTON ROAD EAST OF US ROUTE 51. ACCESS MUST BE PROVIDED TO EITHER OF THE ENTRANCES AT LT. STATIONS 300+01 OR 302+07 AT ALL TIMES. PLACE AGGREGATE FOR TEMPORARY ACCESS AS SHOWN ON THE TRAFFIC CONTROL PLANS. CONSTRUCT THE PAVEMENT WIDENING ON THE WEST SIDE OF US ROUTE 51 BETWEEN STATIONS 294+16 AND 297+75. SEE NOTES 7 THROUGH 9 FOR INFORMATION ON THE UTILITY IMPROVEMENTS FOR STAGE IV.
7. CONSTRUCT THE STORM SEWER SYSTEM WITHIN THE LIMITS OF PROPOSED CONSTRUCTION FOR THIS STAGE. GAP THE CURB AND GUTTER AT PROPOSED MANHOLE NO. 83 AND PROPOSED INLET NO. 91 AND PROVIDE INLET FILTERS AND TYPE B GRATES TO ALLOW FOR TEMPORARY DRAINAGE UNTIL US ROUTE 51 IS RESURFACED.
8. CONSTRUCT THE PROPOSED TRAFFIC SIGNALS WITHIN THE CONSTRUCTION WORK ZONE FOR THIS STAGE. CONSTRUCT THE REMAINING WATER MAIN IMPROVEMENTS ON THE EAST SIDE OF US ROUTE 51.
9. CONSTRUCT THE MEDIAN IMPROVEMENTS ON US ROUTE 51. PROVIDE TRAFFIC CONTROL ON US ROUTE 51 IN ACCORDANCE WITH STANDARDS 701601 AND 701701 AND THE "DETAILS FOR ADVANCED TRAFFIC CONTROL ON US ROUTE 51" SHOWN ON THE TRAFFIC CONTROL PLANS AS REQUIRED.
10. REMOVE THE EXISTING PAVEMENT MARKINGS ON US ROUTE 51 THAT CONFLICT WITH THE PROPOSED PAVEMENT MARKINGS. PLACE THE TEMPORARY PAVEMENT MARKINGS ON THE EAST LEG OF HAMILTON ROAD AS SHOWN ON SHEET NO. 44 AS DIRECTED BY THE ENGINEER. PROVIDE TRAFFIC CONTROL IN ACCORDANCE WITH STANDARDS 701601, AND 701701 AND THE "DETAILS FOR ADVANCED TRAFFIC CONTROL ON US ROUTE 51" SHOWN ON THE TRAFFIC CONTROL PLANS AS REQUIRED.

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLAN
STAGE IV

DATE : 6-09
DRAWN BY : J.A.J.
CHECKED BY : R.L.H.
SCALE : 1″=50′

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	44
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

LEGEND

- CONSTRUCTION WORK ZONE
- LIMITS OF PROPOSED CONSTRUCTION
- AGGREGATE FOR TEMPORARY ACCESS
- DRUM OR BARRICADE WITH STEADY BURN LIGHTS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DIRECTION OF TRAFFIC
- SIGN

WORK ZONE PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS
- (B) PAVEMENT MARKING TAPE, TYPE III 4" - DOUBLE YELLOW
- (C) PAVEMENT MARKING TAPE, TYPE III 4" - WHITE
- (D) PAVEMENT MARKING TAPE, TYPE III 4" - WHITE (10' DASH, 30' SKIP)
- (E) PAVEMENT MARKING TAPE, TYPE III 24" - WHITE

NOTE:
THE TEMPORARY PAVEMENT MARKINGS SHOWN FOR THIS STAGE SHALL REMAIN IN PLACE UNTIL THE PERMANENT PAVEMENT MARKINGS CAN BE INSTALLED.

N

0' 50' 100'
SCALE: 1" = 50'

℄ US ROUTE 51

PROPOSED ℄ HAMILTON ROAD

ROGERS ROAD

255 260 295 300 500

+69 +54 +49 +55

11' 11' 12' 11' 11'

SUGGESTED STAGE IV CONSTRUCTION SEQUENCE (AS SHOWN HERE AND ON SHEET NO. 43)

SEE SHEET NO. 43 FOR THE STAGE IV CONSTRUCTION SEQUENCE.

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLAN

STAGE IV

DATE : 6-09
DRAWN BY : J.A.J.
CHECKED BY : R.L.H.

SCALE : 1"=50'

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	45
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

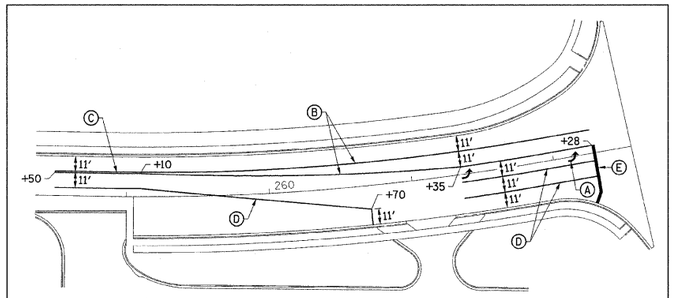
LEGEND

- CONSTRUCTION WORK ZONE
- LIMITS OF PROPOSED CONSTRUCTION
- AGGREGATE FOR TEMPORARY ACCESS
- DRUM OR BARRICADE WITH STEADY BURN LIGHTS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DIRECTION OF TRAFFIC
- SIGN

WORK ZONE PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS
- (B) PAVEMENT MARKING TAPE, TYPE III 4" - YELLOW
- (C) PAVEMENT MARKING TAPE, TYPE III 4" - DOUBLE YELLOW
- (D) PAVEMENT MARKING TAPE, TYPE III 4" - WHITE
- (E) PAVEMENT MARKING TAPE, TYPE III 24" - WHITE

NOTE:
THE ADDITIONAL TRAFFIC CONTROL DEVICES SHOWN FOR THIS STAGE SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21, SPECIAL UNLESS OTHERWISE NOTED.



DETAILS FOR TEMPORARY PAVEMENT MARKINGS ON THE WEST LEG OF HAMILTON ROAD

THE TEMPORARY PAVEMENT MARKINGS SHALL REMAIN IN PLACE UNTIL THE END OF STAGE VIII UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

SUGGESTED STAGE V CONSTRUCTION SEQUENCE (AS SHOWN)

1. EXISTING EASTBOUND HAMILTON ROAD REMAINS CLOSED TO THRU TRAFFIC AT STATION 254+25 IN ACCORDANCE WITH STANDARD BLR 22. EXISTING EASTBOUND HAMILTON ROAD REMAINS CLOSED TO ALL TRAFFIC AT STATION 256+75 IN ACCORDANCE WITH STANDARD BLR 21. THE CLOSURES REMAIN IN PLACE UNTIL THE START OF STAGE VI.

2. THE PREVIOUSLY CONSTRUCTED SECTIONS OF WESTBOUND HAMILTON ROAD REMAIN CLOSED TO ALL TRAFFIC WEST OF STATION 257+50 IN ACCORDANCE WITH STANDARD BLR 21. THE CLOSURE REMAINS IN PLACE UNTIL THE START OF STAGE VI.

3. THE PREVIOUSLY CONSTRUCTED SECTIONS OF HAMILTON ROAD WEST OF STATION 257+50 SHALL BE CLOSED TO ALL TRAFFIC. THE PREVIOUSLY CONSTRUCTED RIGHT TURN LANES ON US ROUTE 51 REMAIN CLOSED TO ALL TRAFFIC IN ACCORDANCE WITH STANDARD 701601.

4. PROVIDE TYPE III BARRICADES FOR THE ENTRANCES AT RT. STATIONS 258+74, 261+10, AND 297+24 AS SHOWN ON THE TRAFFIC CONTROL PLANS. PROVIDE ADDITIONAL DRUMS OR BARRICADES AS SHOWN ON THE TRAFFIC CONTROL PLANS OR AS DIRECTED BY THE ENGINEER. THE ADDITIONAL TRAFFIC CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL THE START OF STAGE VI UNLESS OTHERWISE NOTED.

5. CONSTRUCT THE SOUTH HALF OF HAMILTON ROAD BETWEEN STATIONS 259+05 AND 262+55. DO NOT CONSTRUCT THE PROPOSED CURB OR CURB AND GUTTER FOR THE ENTRANCE AT RT. STATION 260+85 TO 261+30. CONSTRUCT THE TEMPORARY ASPHALT RAMPS AS SHOWN ON THE TRAFFIC CONTROL PLANS. CONSTRUCT THE PAVEMENT WIDENING ON THE WEST SIDE OF US ROUTE 51 BETWEEN STATIONS 298+85 AND 300+23. CONSTRUCT THE STORM SEWER SYSTEM WITHIN THE LIMITS OF PROPOSED CONSTRUCTION FOR THIS STAGE. CONSTRUCT THE REMAINING TRAFFIC SIGNAL IMPROVEMENTS ON THE WEST SIDE OF US ROUTE 51.

6. COMPLETE THE DRAINAGE IMPROVEMENTS FOR STRUCTURE NOS. 83 AND 91 ON US ROUTE 51. PROVIDE TRAFFIC CONTROL IN ACCORDANCE WITH STANDARDS 701601 AND 701701 AND THE "DETAILS FOR ADVANCED TRAFFIC CONTROL ON US ROUTE 51" SHOWN ON THE TRAFFIC CONTROL PLANS AS REQUIRED.

7. INSTALL THE PROPOSED DETECTOR LOOPS ON HAMILTON ROAD AND US ROUTE 51. PROVIDE TRAFFIC CONTROL IN ACCORDANCE WITH STANDARDS 701601, 701606, AND 701701 AND THE "DETAILS FOR ADVANCED TRAFFIC CONTROL ON US ROUTE 51" SHOWN ON THE TRAFFIC CONTROL PLANS AS REQUIRED. THE DETECTOR LOOPS SHOULD NOT BE ACTIVATED UNTIL THE END OF STAGE VIII UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

8. REMOVE THE EXISTING ASPHALT OVERLAY FROM STATION 500+34 TO 500+85. CONSTRUCT THE PROPOSED HOT-MIX ASPHALT SURFACE ON US ROUTE 51 BETWEEN STATIONS 294+16 AND 303+68 AND ON HAMILTON ROAD BETWEEN STATIONS 500+34 AND 501+57. CONSTRUCT 10' WIDE TEMPORARY ASPHALT RAMPS AT THE RESURFACING LIMITS AS REQUIRED. PLACE THE PERMANENT PAVEMENT MARKINGS ON US ROUTE 51 AND THE EAST LEG OF HAMILTON ROAD. THE TEMPORARY RIGHT-TURN ARROWS ON THE EAST LEG OF HAMILTON ROAD PLACED DURING STAGE IV AT STATIONS 501+99 AND 502+55 SHALL REMAIN IN PLACE UNTIL THE END OF STAGE VIII. THE TEMPORARY RIGHT-TURN ARROWS ON THE EAST LEG OF HAMILTON ROAD PLACED DURING STAGE IV AT STATIONS 500+87 AND 501+43 SHALL BE REPLACED AFTER THE ASPHALT SURFACE IS CONSTRUCTED AND SHALL REMAIN IN PLACE UNTIL THE END OF STAGE VIII. PLACE THE TEMPORARY PAVEMENT MARKINGS ON THE WEST LEG OF HAMILTON ROAD AS SHOWN ON THE "DETAILS FOR TEMPORARY PAVEMENT MARKINGS ON THE WEST LEG OF HAMILTON ROAD". PROVIDE TRAFFIC CONTROL IN ACCORDANCE WITH STANDARDS 701601, 701606, AND 701701 AND THE "DETAILS FOR ADVANCED TRAFFIC CONTROL ON US ROUTE 51" SHOWN ON THE TRAFFIC CONTROL PLANS AS REQUIRED.

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLAN

STAGE V

DATE : 6-09
DRAWN BY : J.A.J.
CHECKED BY : R.L.H.
SCALE : 1"=50'

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6/19/2009 8:36:39 AM

CITY OF BLOOMINGTON SECTION NO. 93-00295-03-PV MCLEAN COUNTY

SHEET 45 OF 109 SHEETS B0110094

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	46
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

LEGEND

- CONSTRUCTION WORK ZONE
- LIMITS OF PROPOSED CONSTRUCTION
- AGGREGATE FOR TEMPORARY ACCESS
- DRUM OR BARRICADE WITH STEADY BURN LIGHTS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DIRECTION OF TRAFFIC
- SIGN

WORK ZONE PAVEMENT MARKING LEGEND

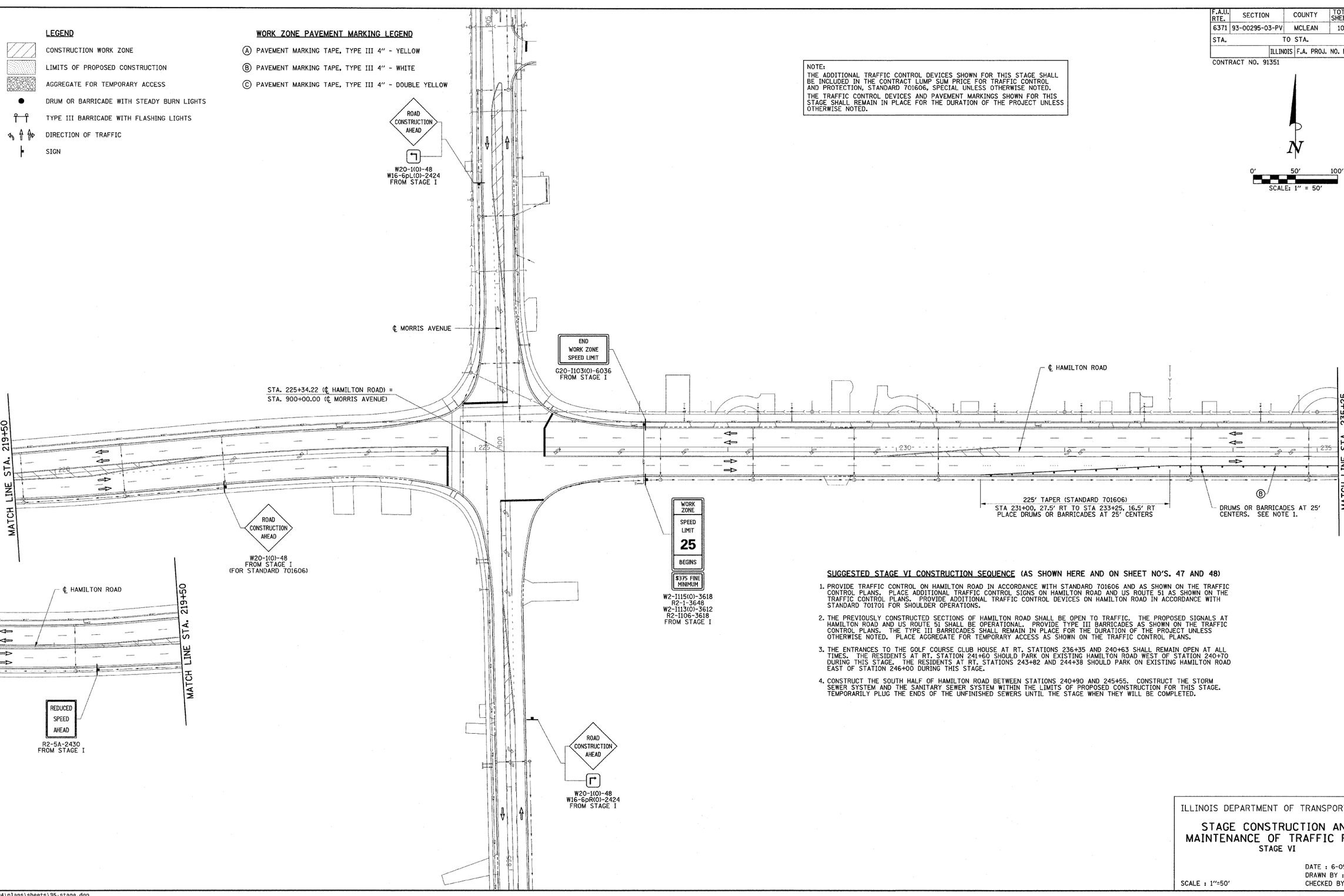
- (A) PAVEMENT MARKING TAPE, TYPE III 4" - YELLOW
- (B) PAVEMENT MARKING TAPE, TYPE III 4" - WHITE
- (C) PAVEMENT MARKING TAPE, TYPE III 4" - DOUBLE YELLOW

NOTE:
THE ADDITIONAL TRAFFIC CONTROL DEVICES SHOWN FOR THIS STAGE SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION, STANDARD 701606, SPECIAL UNLESS OTHERWISE NOTED.

THE TRAFFIC CONTROL DEVICES AND PAVEMENT MARKINGS SHOWN FOR THIS STAGE SHALL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT UNLESS OTHERWISE NOTED.

N

0' 50' 100'
SCALE: 1" = 50'



SUGGESTED STAGE VI CONSTRUCTION SEQUENCE (AS SHOWN HERE AND ON SHEET NO'S. 47 AND 48)

1. PROVIDE TRAFFIC CONTROL ON HAMILTON ROAD IN ACCORDANCE WITH STANDARD 701606 AND AS SHOWN ON THE TRAFFIC CONTROL PLANS. PLACE ADDITIONAL TRAFFIC CONTROL SIGNS ON HAMILTON ROAD AND US ROUTE 51 AS SHOWN ON THE TRAFFIC CONTROL PLANS. PROVIDE ADDITIONAL TRAFFIC CONTROL DEVICES ON HAMILTON ROAD IN ACCORDANCE WITH STANDARD 701701 FOR SHOULDER OPERATIONS.
2. THE PREVIOUSLY CONSTRUCTED SECTIONS OF HAMILTON ROAD SHALL BE OPEN TO TRAFFIC. THE PROPOSED SIGNALS AT HAMILTON ROAD AND US ROUTE 51 SHALL BE OPERATIONAL. PROVIDE TYPE III BARRICADES AS SHOWN ON THE TRAFFIC CONTROL PLANS. THE TYPE III BARRICADES SHALL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT UNLESS OTHERWISE NOTED. PLACE AGGREGATE FOR TEMPORARY ACCESS AS SHOWN ON THE TRAFFIC CONTROL PLANS.
3. THE ENTRANCES TO THE GOLF COURSE CLUB HOUSE AT RT. STATIONS 236+35 AND 240+63 SHALL REMAIN OPEN AT ALL TIMES. THE RESIDENTS AT RT. STATION 241+60 SHOULD PARK ON EXISTING HAMILTON ROAD WEST OF STATION 240+70 DURING THIS STAGE. THE RESIDENTS AT RT. STATIONS 243+82 AND 244+38 SHOULD PARK ON EXISTING HAMILTON ROAD EAST OF STATION 246+00 DURING THIS STAGE.
4. CONSTRUCT THE SOUTH HALF OF HAMILTON ROAD BETWEEN STATIONS 240+90 AND 245+55. CONSTRUCT THE STORM SEWER SYSTEM AND THE SANITARY SEWER SYSTEM WITHIN THE LIMITS OF PROPOSED CONSTRUCTION FOR THIS STAGE. TEMPORARILY PLUG THE ENDS OF THE UNFINISHED SEWERS UNTIL THE STAGE WHEN THEY WILL BE COMPLETED.

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLAN
STAGE VI

DATE : 6-09
DRAWN BY : J.A.J.
CHECKED BY : R.L.H.
SCALE : 1"=50'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	47
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

LEGEND

- CONSTRUCTION WORK ZONE
- LIMITS OF PROPOSED CONSTRUCTION
- AGGREGATE FOR TEMPORARY ACCESS
- DRUM OR BARRICADE WITH STEADY BURN LIGHTS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DIRECTION OF TRAFFIC
- SIGN

WORK ZONE PAVEMENT MARKING LEGEND

- (A) PAVEMENT MARKING TAPE, TYPE III 4" - YELLOW
- (B) PAVEMENT MARKING TAPE, TYPE III 4" - WHITE
- (C) PAVEMENT MARKING TAPE, TYPE III 4" - DOUBLE YELLOW

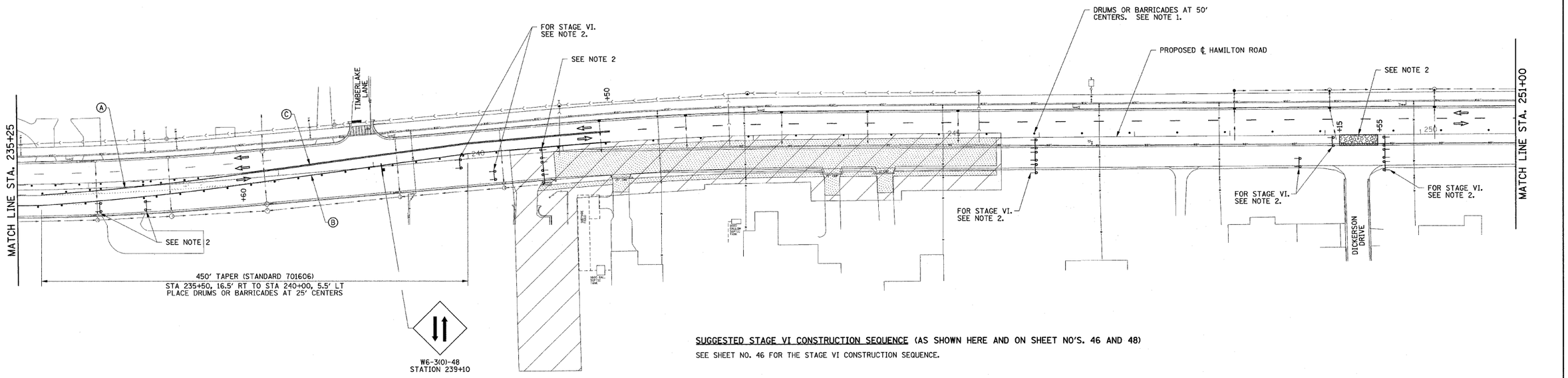
NOTE:
THE ADDITIONAL TRAFFIC CONTROL DEVICES SHOWN FOR THIS STAGE SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION, STANDARD 701606, SPECIAL UNLESS OTHERWISE NOTED.

THE TRAFFIC CONTROL DEVICES AND PAVEMENT MARKINGS SHOWN FOR THIS STAGE SHALL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT UNLESS OTHERWISE NOTED.

N

0' 50' 100'

SCALE: 1" = 50'



SUGGESTED STAGE VI CONSTRUCTION SEQUENCE (AS SHOWN HERE AND ON SHEET NO'S. 46 AND 48)

SEE SHEET NO. 46 FOR THE STAGE VI CONSTRUCTION SEQUENCE.

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLAN
STAGE VI

DATE : 6-09
DRAWN BY : J.A.J.
CHECKED BY : R.L.H.
SCALE : 1"=50'

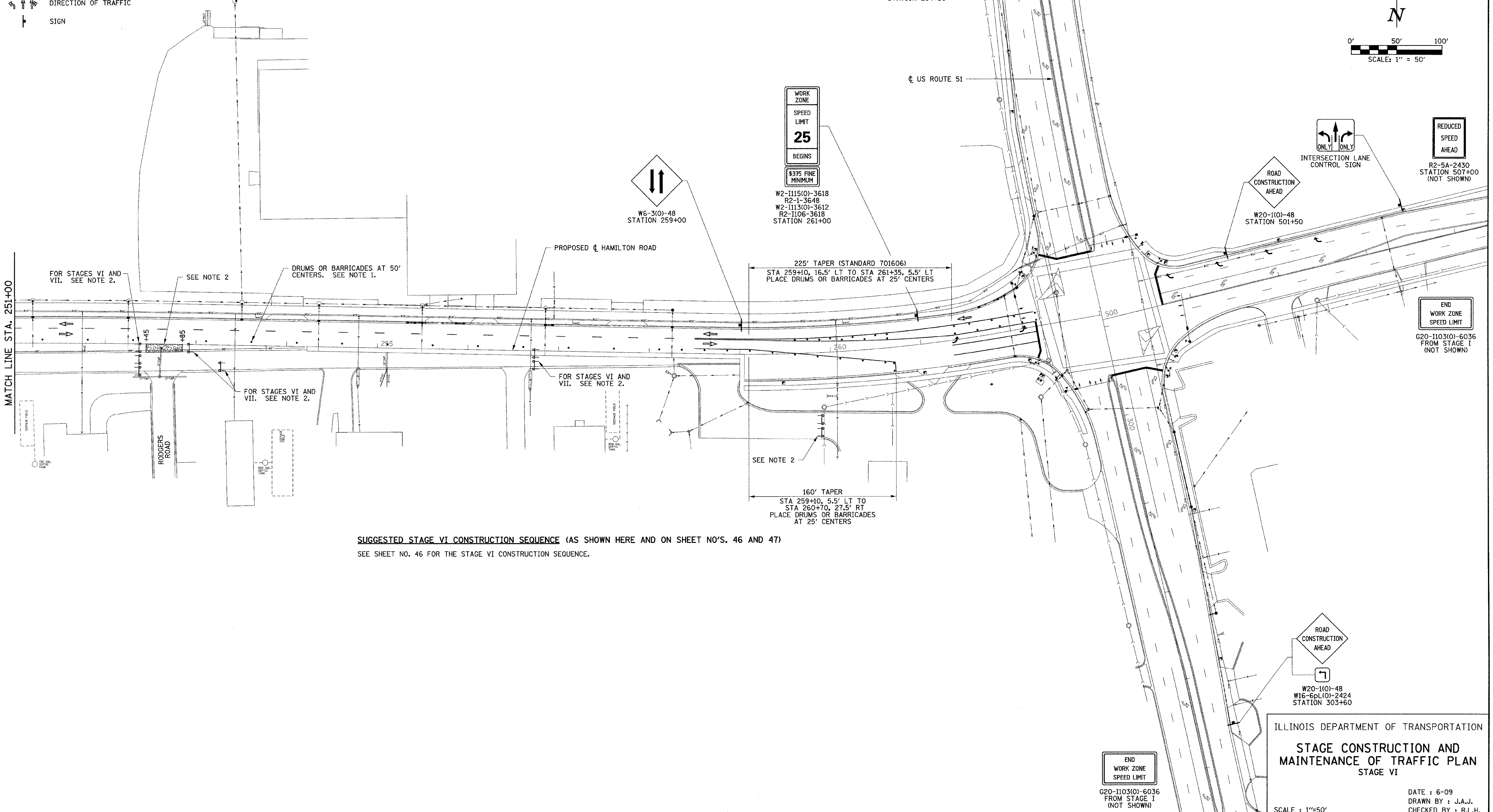
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	48
STA.		TO STA.		
		ILLINOIS	F.A. PROJ. NO. M-5227(046)	

CONTRACT NO. 91351

LEGEND

- CONSTRUCTION WORK ZONE
- LIMITS OF PROPOSED CONSTRUCTION
- AGGREGATE FOR TEMPORARY ACCESS
- DRUM OR BARRICADE WITH STEADY BURN LIGHTS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DIRECTION OF TRAFFIC
- SIGN

NOTE:
THE ADDITIONAL TRAFFIC CONTROL DEVICES SHOWN FOR THIS STAGE SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION, STANDARD 701606, SPECIAL UNLESS OTHERWISE NOTED.
THE TRAFFIC CONTROL DEVICES AND PAVEMENT MARKINGS SHOWN FOR THIS STAGE SHALL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT UNLESS OTHERWISE NOTED.



N
0' 50' 100'
SCALE: 1" = 50'
MATCH LINE STA. 251+00
FOR STAGES VI AND VII. SEE NOTE 2.
SEE NOTE 2
DRUMS OR BARRICADES AT 50' CENTERS. SEE NOTE 1.
PROPOSED ℄ HAMILTON ROAD
FOR STAGES VI AND VII. SEE NOTE 2.
FOR STAGES VI AND VII. SEE NOTE 2.
RODGERS ROAD
W6-3(O)-48
STATION 259+00
WORK ZONE
SPEED LIMIT
25
BEGINS
$375 FINE MINIMUM
W2-I115(O)-3618
R2-1-3648
W2-I113(O)-3612
R2-I106-3618
STATION 261+00
225' TAPER (STANDARD 701606)
STA 259+10, 16.5' LT TO STA 261+35, 5.5' LT
PLACE DRUMS OR BARRICADES AT 25' CENTERS
SEE NOTE 2
160' TAPER
STA 259+10, 5.5' LT TO
STA 260+70, 27.5' RT
PLACE DRUMS OR BARRICADES
AT 25' CENTERS
ROAD CONSTRUCTION AHEAD
W20-1(O)-48
W16-6pR(O)-2424
STATION 294+30
END WORK ZONE SPEED LIMIT
G20-I103(O)-6036
FROM STAGE I
(NOT SHOWN)
℄ US ROUTE 51
ONLY ONLY
INTERSECTION LANE CONTROL SIGN
REDUCED SPEED AHEAD
R2-5A-2430
STATION 507+00
(NOT SHOWN)
ROAD CONSTRUCTION AHEAD
W20-1(O)-48
STATION 501+50
END WORK ZONE SPEED LIMIT
G20-I103(O)-6036
FROM STAGE I
(NOT SHOWN)
ROAD CONSTRUCTION AHEAD
W20-1(O)-48
W16-6pL(O)-2424
STATION 303+60
END WORK ZONE SPEED LIMIT
G20-I103(O)-6036
FROM STAGE I
(NOT SHOWN)

SUGGESTED STAGE VI CONSTRUCTION SEQUENCE (AS SHOWN HERE AND ON SHEET NO'S. 46 AND 47)

SEE SHEET NO. 46 FOR THE STAGE VI CONSTRUCTION SEQUENCE.

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLAN
STAGE VI

SCALE : 1"=50'

DATE : 6-09
DRAWN BY : J.A.J.
CHECKED BY : R.L.H.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	49
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

LEGEND

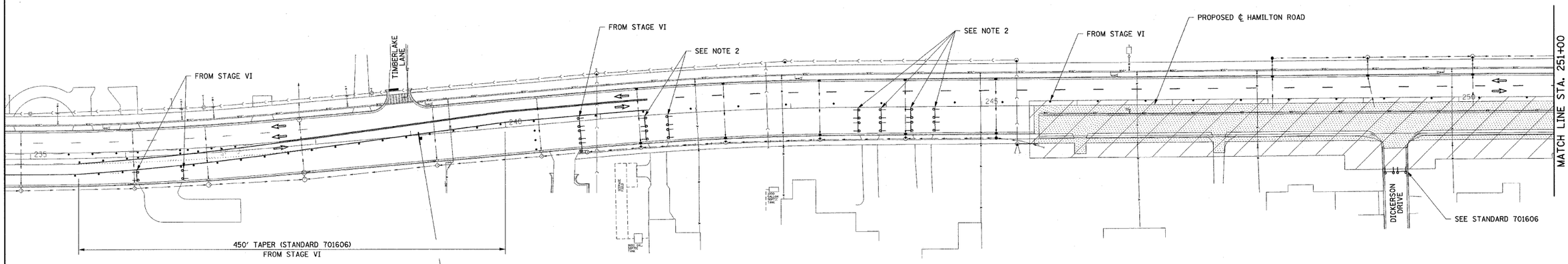
- CONSTRUCTION WORK ZONE
- LIMITS OF PROPOSED CONSTRUCTION
- AGGREGATE FOR TEMPORARY ACCESS
- DRUM OR BARRICADE WITH STEADY BURN LIGHTS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DIRECTION OF TRAFFIC
- SIGN

NOTE:
THE ADDITIONAL TRAFFIC CONTROL DEVICES SHOWN FOR THIS STAGE SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION, STANDARD 701606, SPECIAL UNLESS OTHERWISE NOTED.

N

0' 50' 100'

SCALE: 1" = 50'



SUGGESTED STAGE VII CONSTRUCTION SEQUENCE (AS SHOWN HERE AND ON SHEET NO. 50)

1. THE NORTH SIDE OF HAMILTON ROAD REMAINS OPEN TO TRAFFIC. THE PREVIOUSLY CONSTRUCTED SECTION OF THE SOUTH SIDE OF HAMILTON ROAD BETWEEN STATIONS 240+90 AND 245+55 SHALL BE CLOSED TO ALL TRAFFIC.
2. PROVIDE TYPE III BARRICADES FOR THE ENTRANCES AT RT. STATIONS 241+60, 243+82, AND 244+38 AS SHOWN ON THE TRAFFIC CONTROL PLANS. THE TYPE III BARRICADES SHALL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT.
3. THE RESIDENTS AT RT. STATION 247+48 AND DICKERSON DRIVE SHOULD PARK ON THE SOUTH SIDE OF HAMILTON ROAD WEST OF STATION 245+40 OR EAST OF STATION 253+00 DURING THIS STAGE.
4. CONSTRUCT THE SOUTH HALF OF HAMILTON ROAD BETWEEN STATIONS 245+55 AND 252+30. CONSTRUCT THE STORM SEWER SYSTEM AND THE SANITARY SEWER SYSTEM WITHIN THE LIMITS OF PROPOSED CONSTRUCTION FOR THIS STAGE. TEMPORARILY PLUG THE ENDS OF THE UNFINISHED SEWERS UNTIL THE STAGE WHEN THEY WILL BE COMPLETED.

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLAN

STAGE VII

DATE : 6-09
DRAWN BY : J.A.J.
CHECKED BY : R.L.H.

SCALE : 1"=50'

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	50
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

LEGEND

- CONSTRUCTION WORK ZONE
- LIMITS OF PROPOSED CONSTRUCTION
- AGGREGATE FOR TEMPORARY ACCESS
- DRUM OR BARRICADE WITH STEADY BURN LIGHTS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DIRECTION OF TRAFFIC
- SIGN

NOTE:
THE ADDITIONAL TRAFFIC CONTROL DEVICES SHOWN FOR THIS STAGE SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION, STANDARD 701606, SPECIAL UNLESS OTHERWISE NOTED.

N

0′ 50′ 100′

SCALE: 1″ = 50′

MATCH LINE STA. 251+00

FROM STAGE VI

FROM STAGE VI

PROPOSED ℄ HAMILTON ROAD

225′ TAPER (STANDARD 701606)
FROM STAGE VI

FROM STAGE VI

FROM STAGE VI

160′ TAPER
FROM STAGE VI

℄ US ROUTE 51

RODGERS ROAD

SEPTIC FIELD

200 GAL. SEPTIC TANK

250 GAL. SEPTIC TANK

W6-3(0)-48
FROM STAGE VI

WORK ZONE
SPEED LIMIT
25
BEGINS
$375 FINE MINIMUM

W2-1115(0)-3618
R2-1-3648
W2-1113(0)-3612
R2-1106-3618
FROM STAGE VI

ROAD CONSTRUCTION AHEAD

W20-1(0)-48
W16-6pR(0)-2424
FROM STAGE VI

END WORK ZONE SPEED LIMIT

G20-1103(0)-6036
FROM STAGE I
(NOT SHOWN)

ROAD CONSTRUCTION AHEAD

W20-1(0)-48
FROM STAGE VI

ONLY ONLY

INTERSECTION LANE CONTROL SIGN

REDUCED SPEED AHEAD

R2-5A-2430
FROM STAGE VI
(NOT SHOWN)

END WORK ZONE SPEED LIMIT

G20-1103(0)-6036
FROM STAGE I
(NOT SHOWN)

ROAD CONSTRUCTION AHEAD

W20-1(0)-48
W16-6pL(0)-2424
FROM STAGE VI

END WORK ZONE SPEED LIMIT

G20-1103(0)-6036
FROM STAGE I
(NOT SHOWN)

SUGGESTED STAGE VII CONSTRUCTION SEQUENCE (AS SHOWN HERE AND ON SHEET NO. 49)

SEE SHEET NO. 49 FOR THE STAGE VII CONSTRUCTION SEQUENCE.

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLAN
STAGE VII

SCALE : 1″=50′

DATE : 6-09
DRAWN BY : J.A.J.
CHECKED BY : R.L.H.

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	51
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

LEGEND

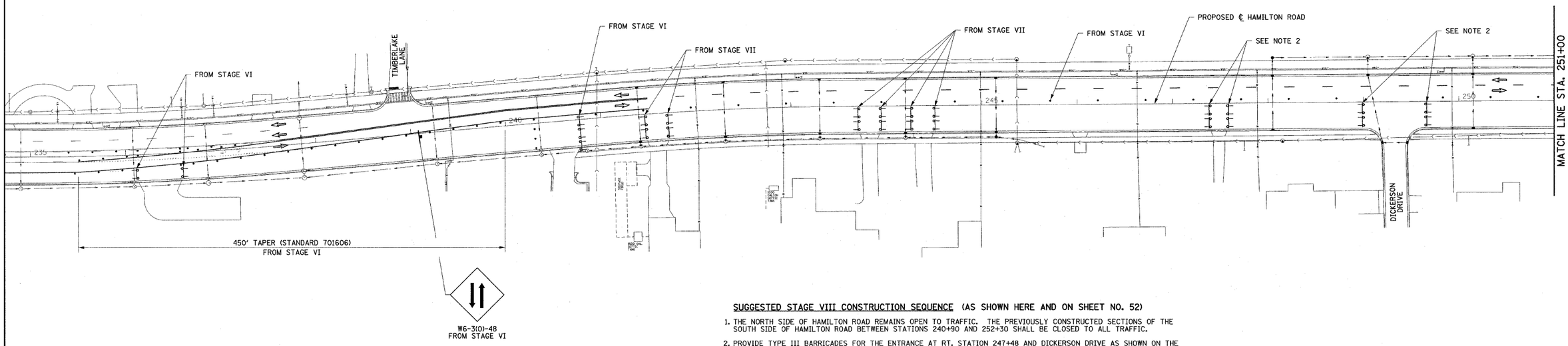
- CONSTRUCTION WORK ZONE
- LIMITS OF PROPOSED CONSTRUCTION
- AGGREGATE FOR TEMPORARY ACCESS
- DRUM OR BARRICADE WITH STEADY BURN LIGHTS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DIRECTION OF TRAFFIC
- SIGN

NOTE:
THE ADDITIONAL TRAFFIC CONTROL DEVICES SHOWN FOR THIS STAGE SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION, STANDARD 701606, SPECIAL UNLESS OTHERWISE NOTED.

N

0' 50' 100'

SCALE: 1" = 50'



SUGGESTED STAGE VIII CONSTRUCTION SEQUENCE (AS SHOWN HERE AND ON SHEET NO. 52)

1. THE NORTH SIDE OF HAMILTON ROAD REMAINS OPEN TO TRAFFIC. THE PREVIOUSLY CONSTRUCTED SECTIONS OF THE SOUTH SIDE OF HAMILTON ROAD BETWEEN STATIONS 240+90 AND 252+30 SHALL BE CLOSED TO ALL TRAFFIC.
2. PROVIDE TYPE III BARRICADES FOR THE ENTRANCE AT RT. STATION 247+48 AND DICKERSON DRIVE AS SHOWN ON THE TRAFFIC CONTROL PLANS. THE TYPE III BARRICADES SHALL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT.
3. THE RESIDENTS AT RODGERS ROAD AND RT. STATIONS 254+62 AND 256+54 SHOULD PARK ON THE SOUTH SIDE OF HAMILTON ROAD WEST OF STATION 252+00 DURING THIS STAGE.
4. CONSTRUCT THE SOUTH HALF OF HAMILTON ROAD BETWEEN STATIONS 252+30 AND 259+05. CONSTRUCT THE STORM SEWER SYSTEM AND THE SANITARY SEWER SYSTEM WITHIN THE LIMITS OF PROPOSED CONSTRUCTION FOR THIS STAGE. OPEN THE ENTRANCE AT RT. STATION 258+74 AND CONSTRUCT THE PROPOSED CURB AND CURB AND GUTTER FOR THE ENTRANCE AT RT. STATION 261+10.

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLAN
STAGE VIII

DATE : 6-09
DRAWN BY : J.A.J.
CHECKED BY : R.L.H.
SCALE : 1"=50'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	52
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

LEGEND

- CONSTRUCTION WORK ZONE
- LIMITS OF PROPOSED CONSTRUCTION
- AGGREGATE FOR TEMPORARY ACCESS
- DRUM OR BARRICADE WITH STEADY BURN LIGHTS
- TYPE III BARRICADE WITH FLASHING LIGHTS
- DIRECTION OF TRAFFIC
- SIGN

NOTE:
THE ADDITIONAL TRAFFIC CONTROL DEVICES SHOWN FOR THIS STAGE SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION, STANDARD 701606, SPECIAL UNLESS OTHERWISE NOTED.

N

0′ 50′ 100′

SCALE: 1″ = 50′

MATCH LINE STA. 251+00

FROM STAGE VI

PROPOSED ℄ HAMILTON ROAD

225′ TAPER (STANDARD 701606)
FROM STAGE VI

SEE STANDARD 701606

RODGERS ROAD

FROM STAGE VI

160′ TAPER
FROM STAGE VI

℄ US ROUTE 51

ROAD CONSTRUCTION AHEAD
W20-1(0)-48
W16-6pR(0)-2424
FROM STAGE VI

END WORK ZONE SPEED LIMIT
G20-1103(0)-6036
FROM STAGE I
(NOT SHOWN)

W6-3(0)-48
FROM STAGE VI

WORK ZONE SPEED LIMIT 25 BEGINS $375 FINE MINIMUM
W2-1115(0)-3618
R2-1-3648
W2-1113(0)-3612
R2-1106-3618
FROM STAGE VI

ROAD CONSTRUCTION AHEAD
W20-1(0)-48
FROM STAGE VI

INTERSECTION LANE CONTROL SIGN

REDUCED SPEED AHEAD
R2-5A-2430
FROM STAGE VI
(NOT SHOWN)

END WORK ZONE SPEED LIMIT
G20-1103(0)-6036
FROM STAGE I
(NOT SHOWN)

ROAD CONSTRUCTION AHEAD
W20-1(0)-48
W16-6pL(0)-2424
FROM STAGE VI

END WORK ZONE SPEED LIMIT
G20-1103(0)-6036
FROM STAGE I
(NOT SHOWN)

SUGGESTED STAGE VIII CONSTRUCTION SEQUENCE (AS SHOWN HERE AND ON SHEET NO. 51)

SEE SHEET NO. 51 FOR THE STAGE VII CONSTRUCTION SEQUENCE.

SUGGESTED CONSTRUCTION SEQUENCE AT THE END OF STAGE VIII (NOT SHOWN)

1. OPEN ALL PREVIOUSLY CONSTRUCTED SECTIONS OF HAMILTON ROAD TO TRAFFIC. REMOVE ALL PREVIOUSLY INSTALLED TRAFFIC CONTROL DEVICES.
2. PLACE THE PROPOSED PAVEMENT MARKING ON HAMILTON ROAD. REMOVE THE TEMPORARY RIGHT-TURN ARROWS AND THE INTERSECTION LANE CONTROL SIGN ON THE EAST LEG OF HAMILTON ROAD. PROVIDE TRAFFIC CONTROL ON HAMILTON ROAD IN ACCORDANCE WITH STANDARD 701606.
3. CONSTRUCT THE PROPOSED HOT-MIX ASPHALT SURFACE COURSE FOR THE PEDESTRIAN TRAIL ALONG THE NORTH SIDE OF HAMILTON ROAD. PROVIDE TRAFFIC CONTROL ON HAMILTON ROAD IN ACCORDANCE WITH STANDARD 701701 FOR SHOULDER OPERATIONS.

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLAN
STAGE VIII

DATE : 6-09
DRAWN BY : J.A.J.
CHECKED BY : R.L.H.
SCALE : 1″=50′

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	53
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

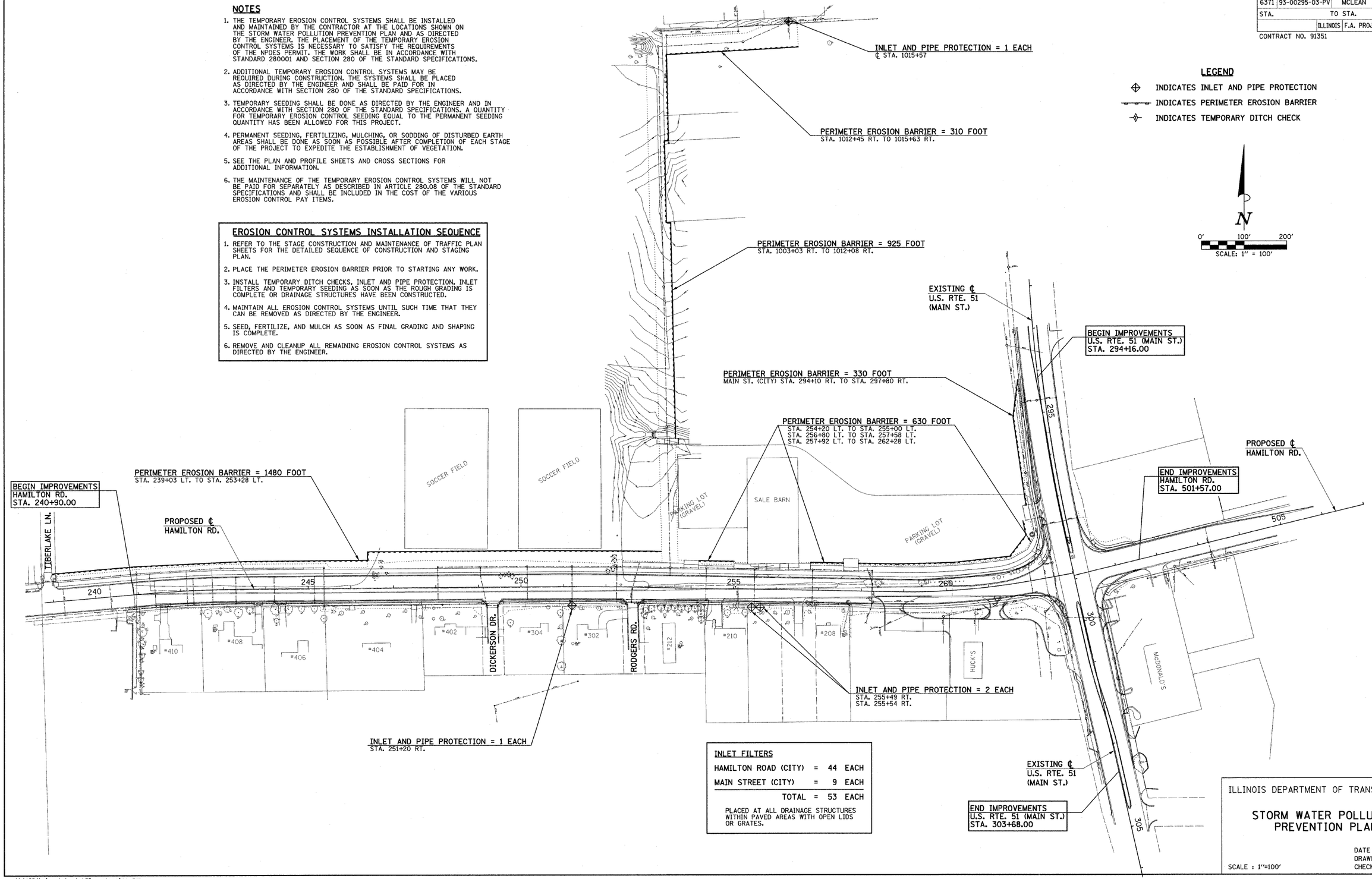
CONTRACT NO. 91351

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. TEMPORARY SEEDING SHALL BE DONE AS DIRECTED BY THE ENGINEER AND IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS. A QUANTITY FOR TEMPORARY EROSION CONTROL SEEDING EQUAL TO THE PERMANENT SEEDING QUANTITY HAS BEEN ALLOWED FOR THIS PROJECT.
4. 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.
5. SEE THE PLAN AND PROFILE SHEETS AND CROSS SECTIONS FOR ADDITIONAL INFORMATION.
6. THE MAINTENANCE OF THE TEMPORARY EROSION CONTROL SYSTEMS WILL NOT BE PAID FOR SEPARATELY AS DESCRIBED IN ARTICLE 280.08 OF THE STANDARD SPECIFICATIONS AND SHALL BE INCLUDED IN THE COST OF THE VARIOUS EROSION CONTROL PAY ITEMS.

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.
3. INSTALL TEMPORARY DITCH CHECKS, INLET AND PIPE PROTECTION, INLET FILTERS AND TEMPORARY SEEDING AS SOON AS THE ROUGH GRADING IS COMPLETE 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, AND MULCH AS SOON AS FINAL GRADING AND SHAPING IS COMPLETE.
6. REMOVE AND CLEANUP ALL REMAINING EROSION CONTROL SYSTEMS AS DIRECTED BY THE ENGINEER.



LEGEND

- INDICATES INLET AND PIPE PROTECTION
- INDICATES PERIMETER EROSION BARRIER
- INDICATES TEMPORARY DITCH CHECK

N

0′ 100′ 200′

SCALE: 1″ = 100′

INLET FILTERS			
HAMILTON ROAD (CITY)	=	44	EACH
MAIN STREET (CITY)	=	9	EACH
TOTAL	=	53	EACH

PLACED AT ALL DRAINAGE STRUCTURES WITHIN PAVED AREAS WITH OPEN LIDS OR GRATES.

ILLINOIS DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN

SCALE : 1″=100′

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	54
STA. 240+00.00		TO STA. 252+00.00		
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

PROPOSED ℄ HAMILTON RD. CURVE DATA

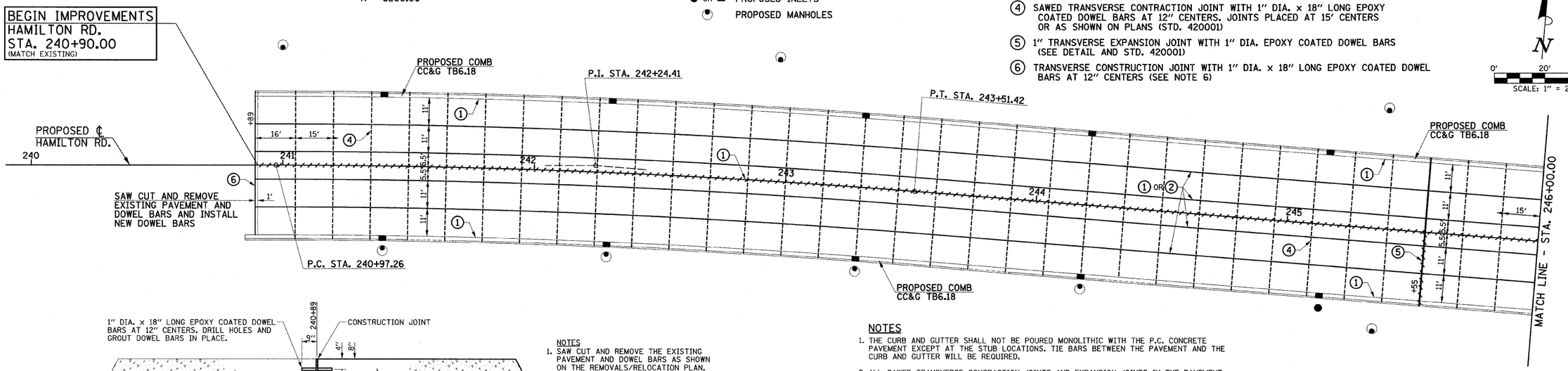
P.I. STA. 242+24.41	L = 254.16′
Δ = 4°33′03″	E = 2.52′
D = 1°47′26″	P.C. STA. 240+97.26
T = 127.15′	P.T. STA. 243+51.42
R = 3200.00′	

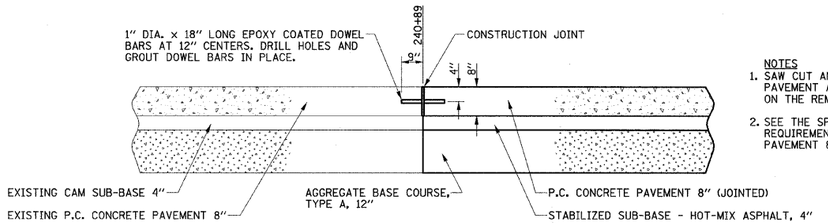
LEGEND

- PROPOSED 1″ EXPANSION JOINTS
- PROPOSED LONGITUDINAL JOINTS
- PROPOSED SAWED CONTRACTION JOINTS
- STAGE CONSTRUCTION LIMITS
- ● OR ■ PROPOSED INLETS
- PROPOSED MANHOLES

PAVEMENT JOINT KEY

1. LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 x 24″ EPOXY COATED TIE BARS GROUTED IN PLACE OR NO. 6 x 30″ EPOXY COATED TIE BARS FORMED IN PLACE AT 24″ CENTERS (STD. 420001)
2. SAWED LONGITUDINAL JOINT WITH NO. 6 x 30″ EPOXY COATED TIE BARS AT 30″ CENTERS (STD. 420001)
3. NOT USED
4. SAWED TRANSVERSE CONTRACTION JOINT WITH 1″ DIA. x 18″ LONG EPOXY COATED DOWEL BARS AT 12″ CENTERS. JOINTS PLACED AT 15′ CENTERS OR AS SHOWN ON PLANS (STD. 420001)
5. 1″ TRANSVERSE EXPANSION JOINT WITH 1″ DIA. EPOXY COATED DOWEL BARS (SEE DETAIL AND STD. 420001)
6. TRANSVERSE CONSTRUCTION JOINT WITH 1″ DIA. x 18″ LONG EPOXY COATED DOWEL BARS AT 12″ CENTERS (SEE NOTE 6)

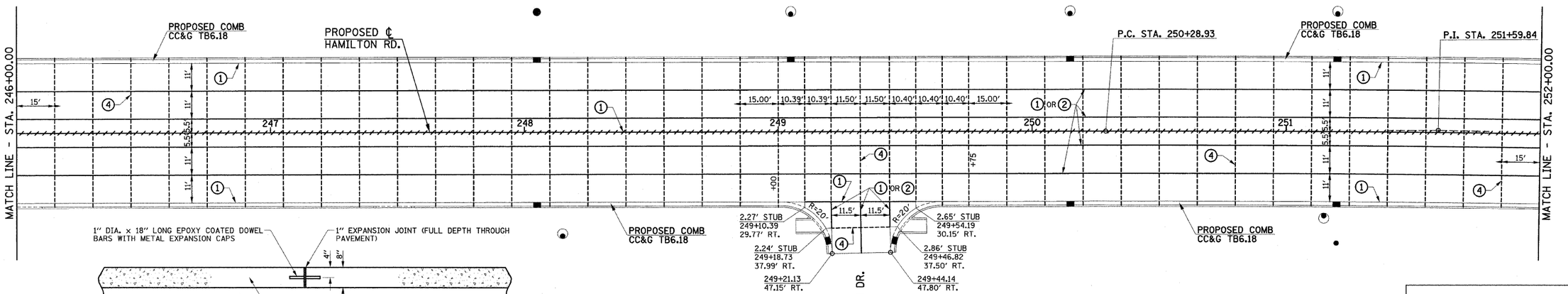




CONSTRUCTION JOINT DETAIL
STA. 240+89

NOTES
1. SAW CUT AND REMOVE THE EXISTING PAVEMENT AND DOWEL BARS AS SHOWN ON THE REMOVALS/RELOCATION PLAN.
2. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS FOR P.C. CONCRETE PAVEMENT 8″ (JOINTED).

NOTES
1. THE CURB AND GUTTER SHALL NOT BE POURED MONOLITHIC WITH THE P.C. CONCRETE PAVEMENT EXCEPT AT THE STUB LOCATIONS. TIE BARS BETWEEN THE PAVEMENT AND THE CURB AND GUTTER WILL BE REQUIRED.
2. ALL SAWED TRANSVERSE CONTRACTION JOINTS AND EXPANSION JOINTS IN THE PAVEMENT MUST EXTEND THROUGH THE CURB AND GUTTER.
3. ALL SAWED JOINTS IN THE PAVEMENT AND CURB AND GUTTER SHALL BE SEALED WITH A JOINT SEALER MEETING THE REQUIREMENTS OF ARTICLES 420.02, 420.12, 602.02 AND 606.07.
4. THE P.C. CONCRETE PAVEMENT SHALL BE POURED MONOLITHIC WITH THE COMBINATION CONCRETE CURB AND GUTTER AT THE STUB LOCATIONS SHOWN ON THE JOINTING PLAN. THE COST OF ADDITIONAL GUTTER FLAG WIDTH WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR P.C CONCRETE PAVEMENT.
5. WHEN LONGITUDINAL CONSTRUCTION JOINTS ARE CONSTRUCTED IN THE PAVEMENT, THE JOINTS SHALL BE TIED WITH NO. 6 x 24″ EPOXY COATED TIE BARS GROUTED IN PLACE OR NO. 6 x 30″ EPOXY COATED TIE BARS FORMED IN PLACE SPACED AT 24″ CENTERS AS SHOWN ON STANDARD 420001.
6. TRANSVERSE CONSTRUCTION JOINTS SHALL MATCH THE LOCATION OF THE SAWED TRANSVERSE JOINTS OR EXPANSION JOINTS SHOWN ON THE PAVEMENT JOINT PLANS AND SHALL BE AS SHOWN ON STANDARDS 420101 AND 420106. TRANSVERSE CONSTRUCTION JOINTS SHALL NOT BE PLACED LESS THAN 25 FEET FROM A STAGE CONSTRUCTION LIMIT. THE TRANSVERSE CONSTRUCTION JOINTS SHALL HAVE SMOOTH EPOXY COATED DOWEL BARS 1″ DIA. x 18 INCHES LONG PLACED AT 12 INCH SPACINGS AND CENTERED ACROSS THE JOINT.



TRANSVERSE EXPANSION JOINT DETAIL

NOTES
1. SEE STANDARD 420001 FOR ADDITIONAL INFORMATION FOR THE EXPANSION JOINTS.
2. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS FOR P.C. CONCRETE PAVEMENT 8″ (JOINTED).

ILLINOIS DEPARTMENT OF TRANSPORTATION

HAMILTON ROAD
PAVEMENT JOINTS

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : 1″=20′

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6/19/2009 8:40:41 AM

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	55
STA. 252+00.00		TO STA. 256+97.38		
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

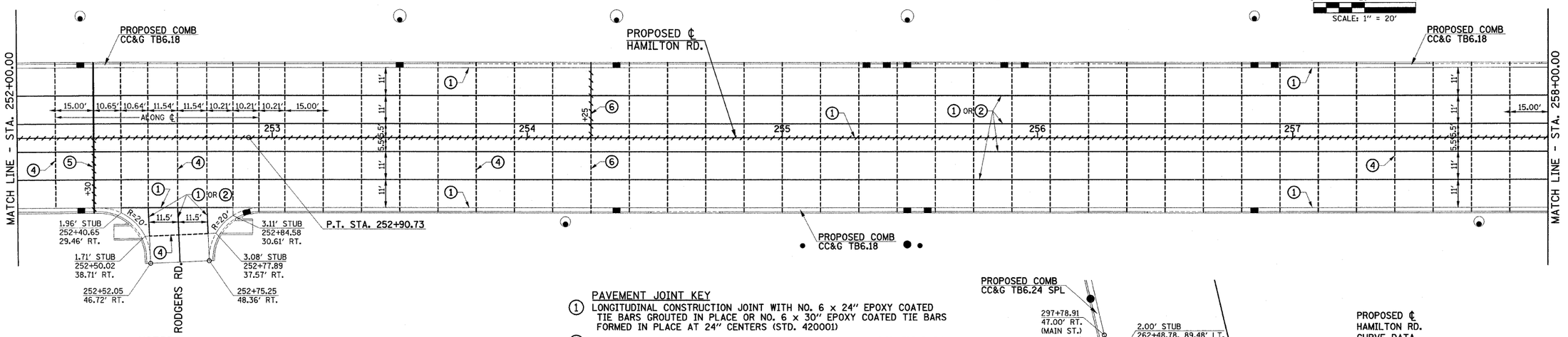
PROPOSED ℄ HAMILTON RD. CURVE DATA

P.I. STA. 251+59.84 L = 261.80′
Δ = 1°30′00″ E = 0.86′
D = 0°34′23″ P.C. STA. 250+28.93
T = 130.91′ P.T. STA. 252+90.73
R = 10000.00′

LEGEND
- PROPOSED 1″ EXPANSION JOINTS
- PROPOSED LONGITUDINAL JOINTS
- PROPOSED SAWED CONTRACTION JOINTS
- STAGE CONSTRUCTION LIMITS
- ● OR ■ PROPOSED INLETS
- PROPOSED MANHOLES

N

0′ 20′ 40′
SCALE: 1″ = 20′



NOTES

1. THE CURB AND GUTTER SHALL NOT BE POURED MONOLITHIC WITH THE P.C. CONCRETE PAVEMENT EXCEPT AT THE STUB LOCATIONS. TIE BARS BETWEEN THE PAVEMENT AND THE CURB AND GUTTER WILL BE REQUIRED.
2. ALL SAWED TRANSVERSE CONTRACTION JOINTS AND EXPANSION JOINTS IN THE PAVEMENT MUST EXTEND THROUGH THE CURB AND GUTTER.
3. ALL SAWED JOINTS IN THE PAVEMENT AND CURB AND GUTTER SHALL BE SEALED WITH A JOINT SEALER MEETING THE REQUIREMENTS OF ARTICLES 420.02, 420.12, 602.02 AND 606.07.
4. THE P.C. CONCRETE PAVEMENT SHALL BE POURED MONOLITHIC WITH THE COMBINATION CONCRETE CURB AND GUTTER AT THE STUB LOCATIONS SHOWN ON THE JOINTING PLAN. THE COST OF ADDITIONAL GUTTER FLAG WIDTH WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR P.C CONCRETE PAVEMENT.
5. WHEN LONGITUDINAL CONSTRUCTION JOINTS ARE CONSTRUCTED IN THE PAVEMENT, THE JOINTS SHALL BE TIED WITH NO. 6 x 24″ EPOXY COATED TIE BARS GROUTED IN PLACE OR NO. 6 x 30″ EPOXY COATED TIE BARS FORMED IN PLACE SPACED AT 24″ CENTERS AS SHOWN ON STANDARD 420001.
6. TRANSVERSE CONSTRUCTION JOINTS SHALL MATCH THE LOCATION OF THE SAWED TRANSVERSE JOINTS OR EXPANSION JOINTS SHOWN ON THE PAVEMENT JOINT PLANS AND SHALL BE AS SHOWN ON STANDARDS 420101 AND 420106. TRANSVERSE CONSTRUCTION JOINTS SHALL NOT BE PLACED LESS THAN 25 FEET FROM A STAGE CONSTRUCTION LIMIT. THE TRANSVERSE CONSTRUCTION JOINTS SHALL HAVE SMOOTH EPOXY COATED DOWEL BARS 1″ DIA. x 18 INCHES LONG PLACED AT 12 INCH SPACINGS AND CENTERED ACROSS THE JOINT.

PAVEMENT JOINT KEY

(1) LONGITUDINAL CONSTRUCTION JOINT WITH NO. 6 x 24″ EPOXY COATED TIE BARS GROUTED IN PLACE OR NO. 6 x 30″ EPOXY COATED TIE BARS FORMED IN PLACE AT 24″ CENTERS (STD. 420001)

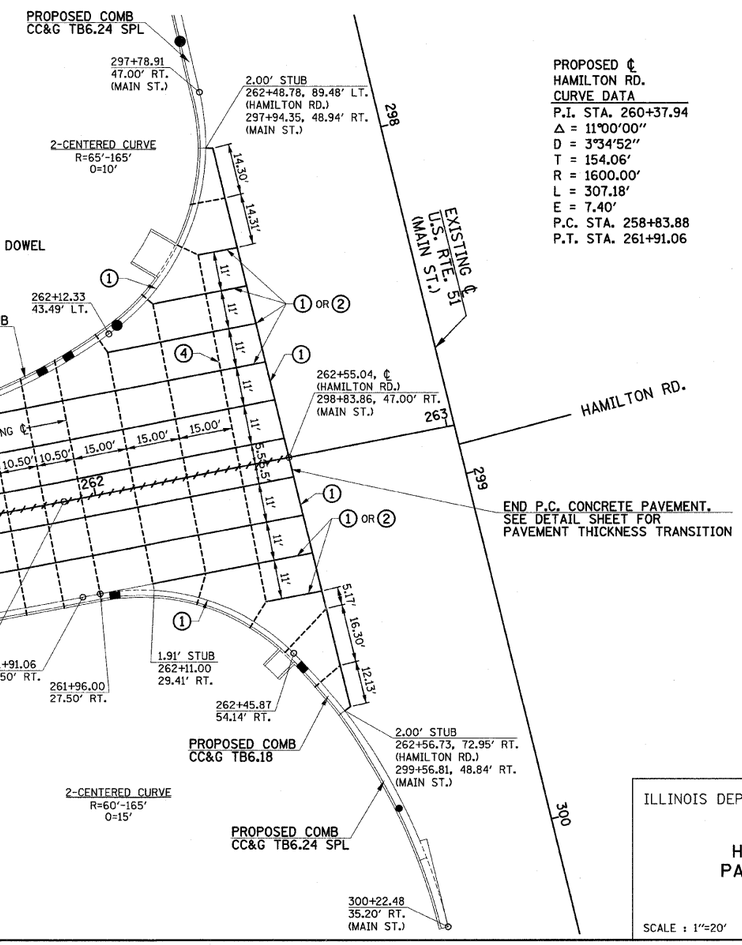
(2) SAWED LONGITUDINAL JOINT WITH NO. 6 x 30″ EPOXY COATED TIE BARS AT 30″ CENTERS (STD. 420001)

(3) NOT USED

(4) SAWED TRANSVERSE CONTRACTION JOINT WITH 1″ DIA. x 18″ LONG EPOXY COATED DOWEL BARS AT 12″ CENTERS. JOINTS PLACED AT 15′ CENTERS OR AS SHOWN ON PLANS (STD. 420001)

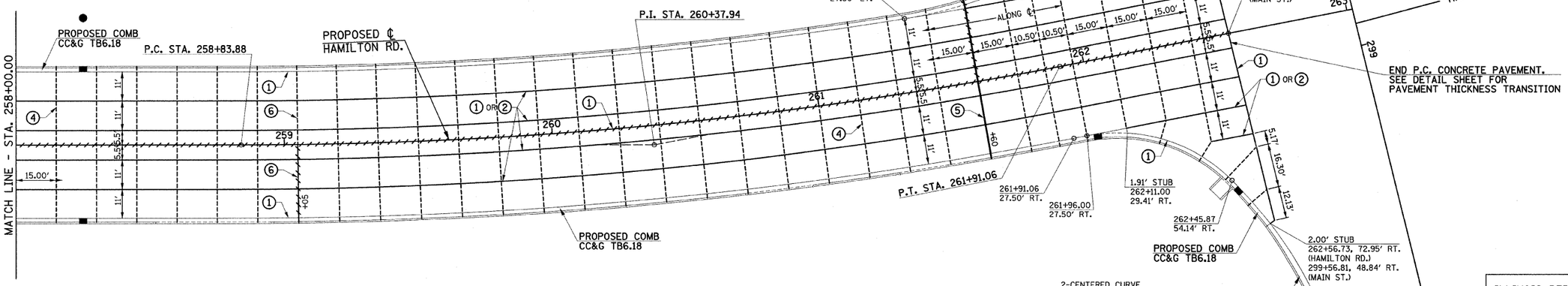
(5) 1″ TRANSVERSE EXPANSION JOINT WITH 1″ DIA. EPOXY COATED DOWEL BARS (SEE DETAIL AND STD. 420001)

(6) TRANSVERSE CONSTRUCTION JOINT WITH 1″ DIA. x 18″ LONG EPOXY COATED DOWEL BARS AT 12″ CENTERS (SEE NOTE 6)



PROPOSED ℄ HAMILTON RD. CURVE DATA

P.I. STA. 260+37.94
Δ = 11°00′00″
D = 3°34′52″
T = 154.06′
R = 1600.00′
L = 307.18′
E = 7.40′
P.C. STA. 258+83.88
P.T. STA. 261+91.06



ILLINOIS DEPARTMENT OF TRANSPORTATION

HAMILTON ROAD
PAVEMENT JOINTS

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : 1″=20′

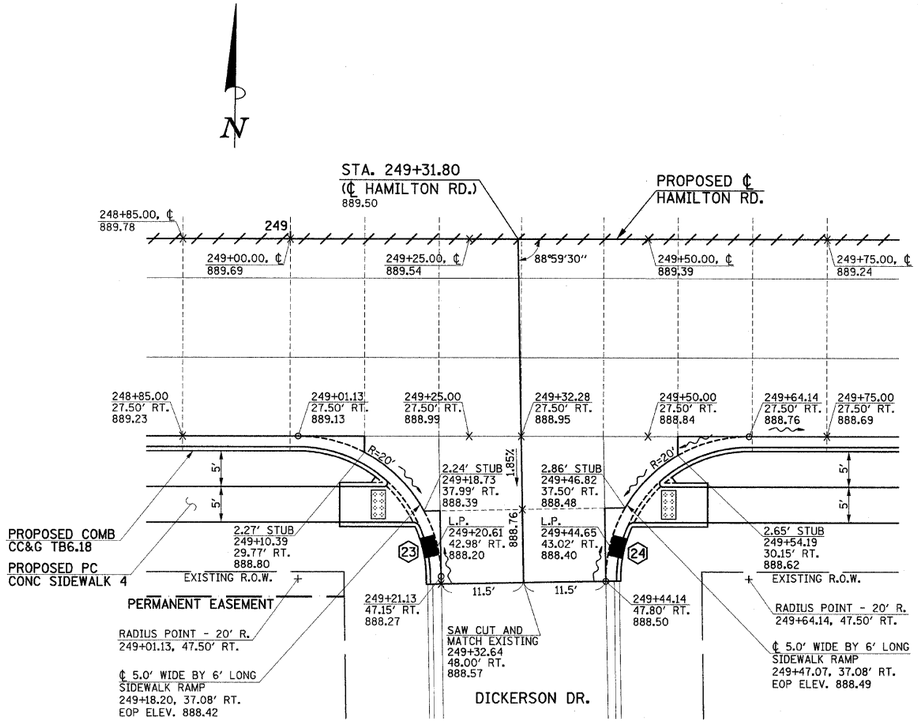
p:\b11094\plans\sheets\54-pavtjoints.dgn
6/19/2009 8:40:42 AM

CITY OF BLOOMINGTON SECTION NO. 93-00295-03-PV MCLEAN COUNTY HAMILTON ROAD SHEET 55 OF 109 SHEETS B0110094

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	56
STA.		TO STA.		
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

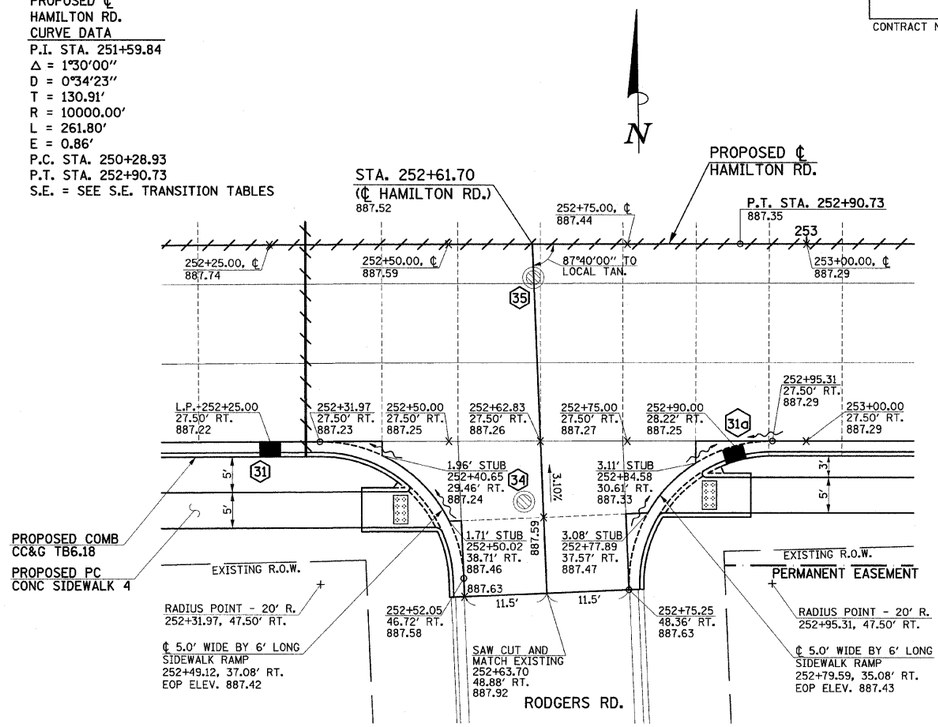
CONTRACT NO. 91351

0' 10' 20'
SCALE: 1" = 10'



HAMILTON RD./ DICKERSON DR.

PROPOSED ℄
HAMILTON RD.
CURVE DATA
P.I. STA. 251+59.84
Δ = 1°30'00"
D = 0°34'23"
T = 130.91'
R = 10000.00'
L = 261.80'
E = 0.86'
P.C. STA. 250+28.93
P.T. STA. 252+90.73
S.E. = SEE S.E. TRANSITION TABLES



HAMILTON RD./ RODGERS RD.

LEGEND

- PROPOSED SIDEWALK RAMP (SEE DETAIL)
- (30) – STRUCTURE NUMBER (SEE PLAN/PROFILE SHEETS)
- —— – 1" TRANSVERSE EXPANSION JOINT (WITH DOWEL BARS - SEE STANDARD 420001)
- ~~~~ – STAGE CONSTRUCTION LIMITS

NOTES

1. ON HAMILTON RD., THE P.C. CONCRETE PAVEMENT SHALL NOT BE POURED MONOLITHIC WITH THE COMBINATION CONCRETE CURB AND GUTTER EXCEPT AT THE STUB LOCATIONS SHOWN ON THE PLANS. 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. THE CROSS SLOPE FOR THE P.C. CONCRETE PAVEMENT ON HAMILTON RD. SHALL BE TRANSITIONED ON THE RIGHT SIDE FROM STA. 252+20.00 AT -2.00% TO STA. 253+40.00 AT +1.00% AND ON THE LEFT SIDE FROM STA. 261+95.00 AT -2.00% TO STA. 262+55.04 AT -0.50%. FULL SUPERELEVATION ON RT. SIDE AT +1.00% FROM STA. 253+40.00 TO STA. 262+55.04. SEE THE PROPOSED TYPICAL SECTIONS AND THE CROSS SECTION SHEETS FOR ADDITIONAL INFORMATION.
3. ALL ELEVATIONS REFERRED TO ARE TO THE TOP OF FINISHED CONSTRUCTION.
4. SEE DRAINAGE STRUCTURE TABLES ON PLAN/PROFILE SHEETS FOR HORIZONTAL LOCATIONS AND VERTICAL ELEVATIONS OF DRAINAGE STRUCTURES.
5. SEE THE SUPERELEVATION TRANSITION TABLES FOR ADDITIONAL STATIONS, ELEVATIONS, AND OFFSETS TO THE EDGE OF PAVEMENT FOR THE PAVEMENT WARPING ON HAMILTON RD.
6. ALL STREET RADII ARE DIMENSIONED TO THE EDGE OF PAVEMENT.

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

SEE PROPOSED TYPICAL SECTION SHEETS, HORIZONTAL ALIGNMENT AND CONTROL SHEET, SUPERELEVATION TRANSITION TABLES SHEET, REMOVALS/RELOCATIONS SHEETS, PLAN AND PROFILE SHEETS, PAVEMENT JOINTS SHEETS, MISCELLANEOUS DETAILS SHEETS, AND CROSS SECTION SHEETS FOR ADDITIONAL INFORMATION.

ILLINOIS DEPARTMENT OF TRANSPORTATION

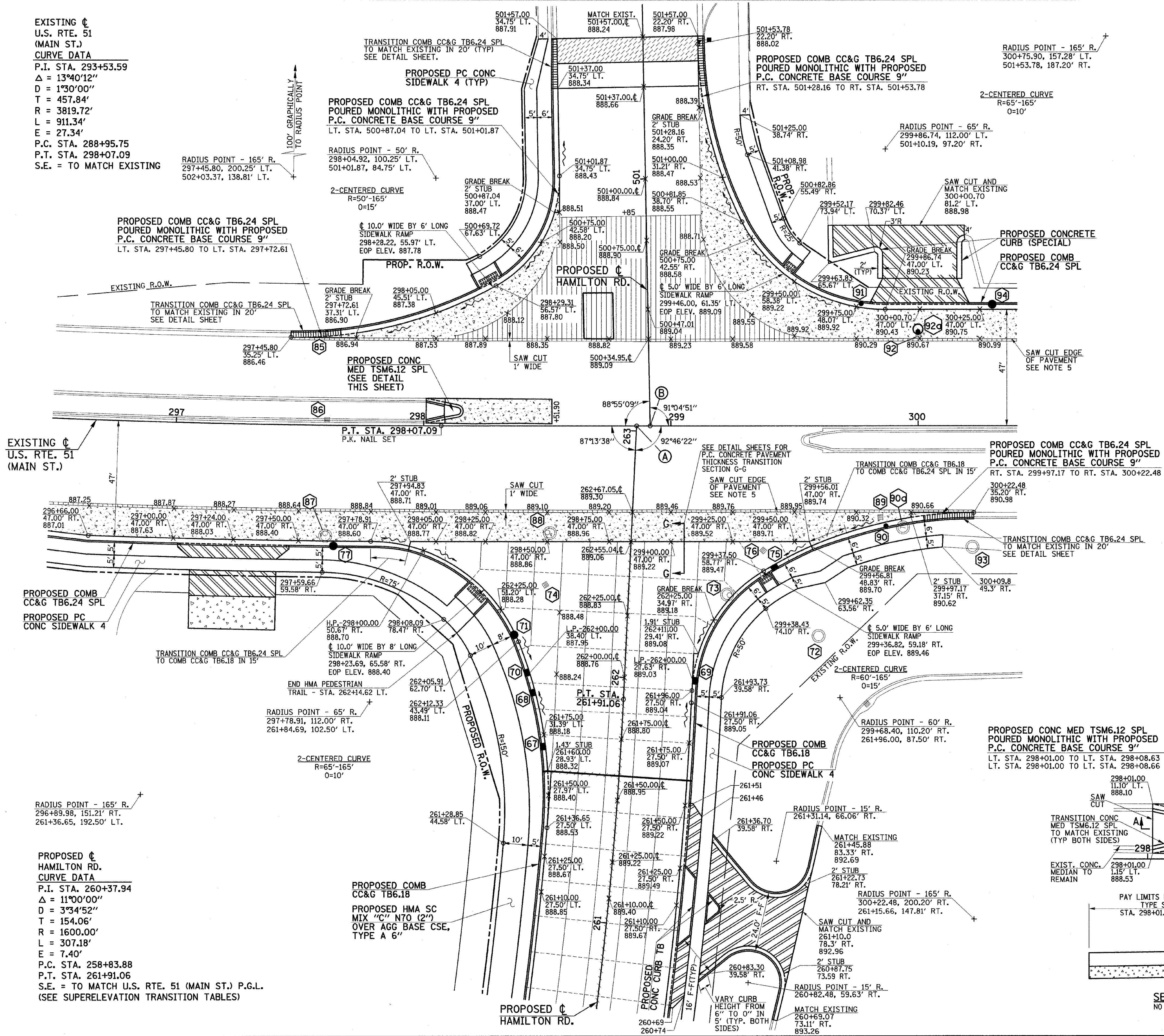
INTERSECTION DETAILS

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : 1"=10'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	57
STA.	TO STA.			
		ILLINOIS	F.A. PROJ. NO. M-5227(046)	

CONTRACT NO. 91351

EXISTING ℄
U.S. RTE. 51
(MAIN ST.)
CURVE DATA
P.I. STA. 293+53.59
Δ = 13°40'12"
D = 1°30'00"
T = 457.84'
R = 3819.72'
L = 911.34'
E = 27.34'
P.C. STA. 288+95.75
P.T. STA. 298+07.09
S.E. = TO MATCH EXISTING



PROPOSED ℄
HAMILTON RD.
CURVE DATA
P.I. STA. 260+37.94
Δ = 11°00'00"
D = 3°34'52"
T = 154.06'
R = 1600.00'
L = 307.18'
E = 7.40'
P.C. STA. 258+83.88
P.T. STA. 261+91.06
S.E. = TO MATCH U.S. RTE. 51 (MAIN ST.) P.G.L.
(SEE SUPERELEVATION TRANSITION TABLES)

LEGEND

- PROPOSED PCC DRIVEWAY PAVEMENT (6" FOR P.E. - 8" FOR C.E.)
- PROPOSED PORTLAND CEMENT CONCRETE BASE COURSE 9"
- PROPOSED AGGREGATE SURFACE COURSE, TYPE B (8" THICK)
- PROPOSED PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT
- PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL 2 1/2"
- PROPOSED SIDEWALK RAMP (SEE DETAIL)
- CLASS B PATCH 9" - SEE REMOVAL/RELOCATION PLANS FOR LOCATIONS
- (90) - STRUCTURE NUMBER (SEE PLAN/PROFILE SHEETS)
- 1" TRANSVERSE EXPANSION JOINT (WITH DOWEL BARS - SEE STANDARD 420001)
- STAGE CONSTRUCTION LIMITS

SCALE: 1" = 20'

STATION EQUATION

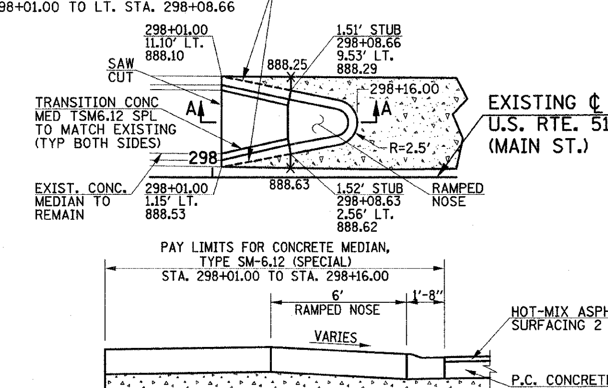
Ⓐ - STA. 263+02.09 (℄ HAMILTON RD.)= STA. 298+86.14 (℄ U.S. RTE. 51)

Ⓑ - STA. 500+00.00 (℄ HAMILTON RD.)= STA. 298+91.64 (℄ U.S. RTE. 51)
P.K. NAIL SET

NOTES

1. ON HAMILTON RD., THE P.C. CONCRETE PAVEMENT SHALL NOT BE POURED MONOLITHIC WITH THE COMBINATION CONCRETE CURB AND GUTTER EXCEPT AT THE STUB LOCATIONS SHOWN ON THE PLANS. 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. ON U.S. RTE. 51, THE P.C. CONCRETE BASE COURSE SHALL NOT BE POURED MONOLITHIC WITH THE COMBINATION CONCRETE CURB AND GUTTER EXCEPT AT THE STUB LOCATIONS SHOWN ON THE PLANS. 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 BASE COURSE.
3. THE CROSS SLOPE FOR THE P.C. CONCRETE PAVEMENT ON HAMILTON RD. SHALL BE TRANSITIONED ON THE RIGHT SIDE FROM STA. 252+20.00 AT -2.00% TO STA. 253+40.00 AT +1.00% AND ON THE LEFT SIDE FROM STA. 261+95.00 AT -2.00% TO STA. 262+55.04 AT -0.50%. FULL SUPERELEVATION ON RT. SIDE AT +1.00% FROM STA. 253+40.00 TO STA. 262+55.04. SEE THE PROPOSED TYPICAL SECTIONS AND THE CROSS SECTION SHEETS FOR ADDITIONAL INFORMATION.
4. THE RAMPED CONCRETE MEDIAN NOSE SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. 606301, EXCEPT THAT IT SHALL BE CONSTRUCTED TO THE FULL THICKNESS OF THE BASE COURSE AND HOT-MIX ASPHALT SURFACING. THE RAMPED NOSE SHALL BE 6' LONG MEASURED FROM THE END OF THE RAMP TO THE BACK OF THE CURB. THE RAMPED NOSE SHALL BE PAID FOR AS CONCRETE MEDIAN, TYPE SM-6.12 (SPECIAL).
5. THE CONTRACTOR WILL BE REQUIRED TO SAW CUT AND REMOVE THE EXISTING PAVEMENT AS DIRECTED BY THE ENGINEER AND AS SHOWN ON THE TYPICAL SECTION TO PROVIDE A CLEAN VERTICAL EDGE IF NO LONGITUDINAL JOINT IS VISIBLE. THE SAW CUTTING OF THE PAVEMENT WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE OF THE VARIOUS REMOVAL PAY ITEMS.
6. ALL ELEVATIONS REFERRED TO ARE TO THE TOP OF FINISHED (NOT BASE COURSE) CONSTRUCTION.
7. SEE DRAINAGE STRUCTURE TABLES ON PLAN/PROFILE SHEETS FOR HORIZONTAL LOCATIONS AND VERTICAL ELEVATIONS OF DRAINAGE STRUCTURES.
8. SEE THE SUPERELEVATION TRANSITION TABLES FOR ADDITIONAL STATIONS, ELEVATIONS, AND OFFSETS TO THE EDGE OF PAVEMENT FOR THE PAVEMENT WARPING ON HAMILTON RD. AND U.S. RTE. 51.
9. ALL STREET RADII ARE DIMENSIONED TO THE EDGE OF PAVEMENT.

PROPOSED CONC MED TSM6.12 SPL
POURED MONOLITHIC WITH PROPOSED
P.C. CONCRETE BASE COURSE 9"
LT. STA. 298+01.00 TO LT. STA. 298+08.63 AND
LT. STA. 298+01.00 TO LT. STA. 298+08.66



PAY LIMITS FOR CONCRETE MEDIAN, TYPE SM-6.12 (SPECIAL) STA. 298+01.00 TO STA. 298+16.00

SECTION A-A
NO SCALE (SEE STD. 606301)

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

SEE PROPOSED TYPICAL SECTION SHEETS, HORIZONTAL ALIGNMENT AND CONTROL SHEET, SUPERELEVATION TRANSITION TABLES SHEET, REMOVALS/RELOCATIONS SHEETS, PLAN AND PROFILE SHEETS, PAVEMENT JOINTS SHEETS, MISCELLANEOUS DETAILS SHEETS, AND CROSS SECTION SHEETS FOR ADDITIONAL INFORMATION.

ILLINOIS DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : 1"=20'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	58
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (78000100)

LOCATION	TURN ARROWS (SQ FT)
HAMILTON RD.	
500+87 LT.	15.6
501+43 LT.	15.6
MAIN ST.	
296+66 RT.	15.6
297+31 RT.	15.6
297+96 RT.	31.2
299+73 LT.	31.2
300+45.5 LT.	15.6
301+18 LT.	15.6
CITY TOTAL	156.0

THERMOPLASTIC PAVEMENT MARKING - LINE 4" (78000200)

LOCATION	SOLID WHITE (FOOT)	SOLID YELLOW (FOOT)
MAIN ST.		
298+01 TO 298+16 LT.		34
296+66 TO 298+14 RT.	150	
299+55 TO 301+18 LT.	163	
SUBTOTAL	313	34
CITY TOTAL	347	

THERMOPLASTIC PAVEMENT MARKING - LINE 6" (78000400)

LOCATION	DOUBLE YELLOW WIDE (FOOT)	SKIP-DASH WHITE (FOOT)	CROSSWALK WHITE (FOOT)
MAIN ST.			
298+19.6 TO 299+48.8 LT. & RT.			632
HAMILTON RD.			
500+69 TO 501+57 LT.	176		
500+99 TO 501+49 LT. & RT.		40	
SUBTOTAL	176	40	632
CITY TOTAL	848		

THERMOPLASTIC PAVEMENT MARKING - LINE 8" (78000500)

LOCATION	SOLID WHITE (FOOT)
MAIN ST.	
298+24.85 TO 298+55.9 RT.	63
299+13.2 TO 299+40.2 LT.	91
HAMILTON RD.	
500+69 TO 501+57 LT.	88
CITY TOTAL	242

THERMOPLASTIC PAVEMENT MARKING - LINE 12" (78000600)

LOCATION	DIAGONAL WHITE (FOOT)
MAIN ST.	
298+30 TO 298+55.9 RT.	40
299+13.2 TO 299+40.2 LT.	43
CITY TOTAL	83

THERMOPLASTIC PAVEMENT MARKING - LINE 24" (78000650)

LOCATION	STOP BAR WHITE (FOOT)
MAIN ST.	
298+14 RT.	49
299+55 LT.	55
HAMILTON RD.	
500+69 LT.	45
CITY TOTAL	149

EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS (78005100)

LOCATION	TURN ARROWS (SQ FT)	DUAL LEFT TURN ARROWS (SQ FT)
HAMILTON RD.		
239+62 ℄		31.2
242+12 ℄		31.2
244+62 ℄		31.2
247+12 ℄		31.2
249+62 ℄		31.2
252+12 ℄		31.2
254+62 ℄		31.2
257+12 ℄		31.2
260+28 ℄	15.6	
260+88.5 ℄	15.6	
261+49 ℄	15.6	
262+10 ℄	15.6	
501+99 LT.	15.6	
502+55 LT.	15.6	
SUBTOTAL	93.6	249.6
CITY TOTAL	343.2	

EPOXY PAVEMENT MARKING - LINE 6" (78005130)

LOCATION	SKIP-DASH YELLOW (FOOT)	SOLID YELLOW (FOOT)	DOUBLE YELLOW WIDE (FOOT)	SKIP-DASH WHITE (FOOT)	CROSSWALK WHITE (FOOT)
HAMILTON RD.					
236+24 TO 261+94 LT. & RT.				1250	
238+00 TO 258+85 LT. & RT.		4170			
238+04 TO 258+54 LT. & RT.	1040				
DICKERSON DR.					60
RODGERS RD.					60
258+85 TO 262+28 LT.			684		
262+28.8 TO 262+57.8 LT. & RT.					253
501+57 TO 503+49 LT.			386		
501+79 TO 503+49 LT. & RT.				70	
SUBTOTAL	1040	4170	1070	1320	373
CITY TOTAL	7973				

EPOXY PAVEMENT MARKING - LINE 8" (78005140)

LOCATION	SOLID WHITE (FOOT)
HAMILTON RD.	
260+28 TO 262+28 RT.	201
262+36.31 TO 262+53.65 LT.	40
501+57 TO 502+55 LT.	98
CITY TOTAL	339

EPOXY PAVEMENT MARKING - LINE 12" (78005150)

LOCATION	DIAGONAL WHITE (FOOT)
HAMILTON RD.	
262+44.8 TO 262+53.5 LT.	16
CITY TOTAL	16

EPOXY PAVEMENT MARKING - LINE 24" (78005180)

LOCATION	STOP BAR WHITE (FOOT)
HAMILTON RD.	
DICKERSON DR.	12
RODGERS RD.	12
262+28 LT. & RT.	42
262+45 TO 262+51.4 LT.	7
CITY TOTAL	73

PAVEMENT MARKING REMOVAL (78300100)

LOCATION	4" LINE (SQ FT)	6" LINE (SQ FT)	8" LINE (SQ FT)	12" LINE (SQ FT)	24" LINE (SQ FT)	TURN ARROWS (SQ FT)
HAMILTON RD.						
238+00 TO 240+90 LT. & RT.	398			63		
501+57 TO 503+49 LT. & RT.	240					78
MAIN ST.						
298+17 TO 299+53 LT. & RT.	27	134	14	14	72	16
SUBTOTAL	665	134	14	77	72	94
CITY TOTAL	1056					

ILLINOIS DEPARTMENT OF TRANSPORTATION

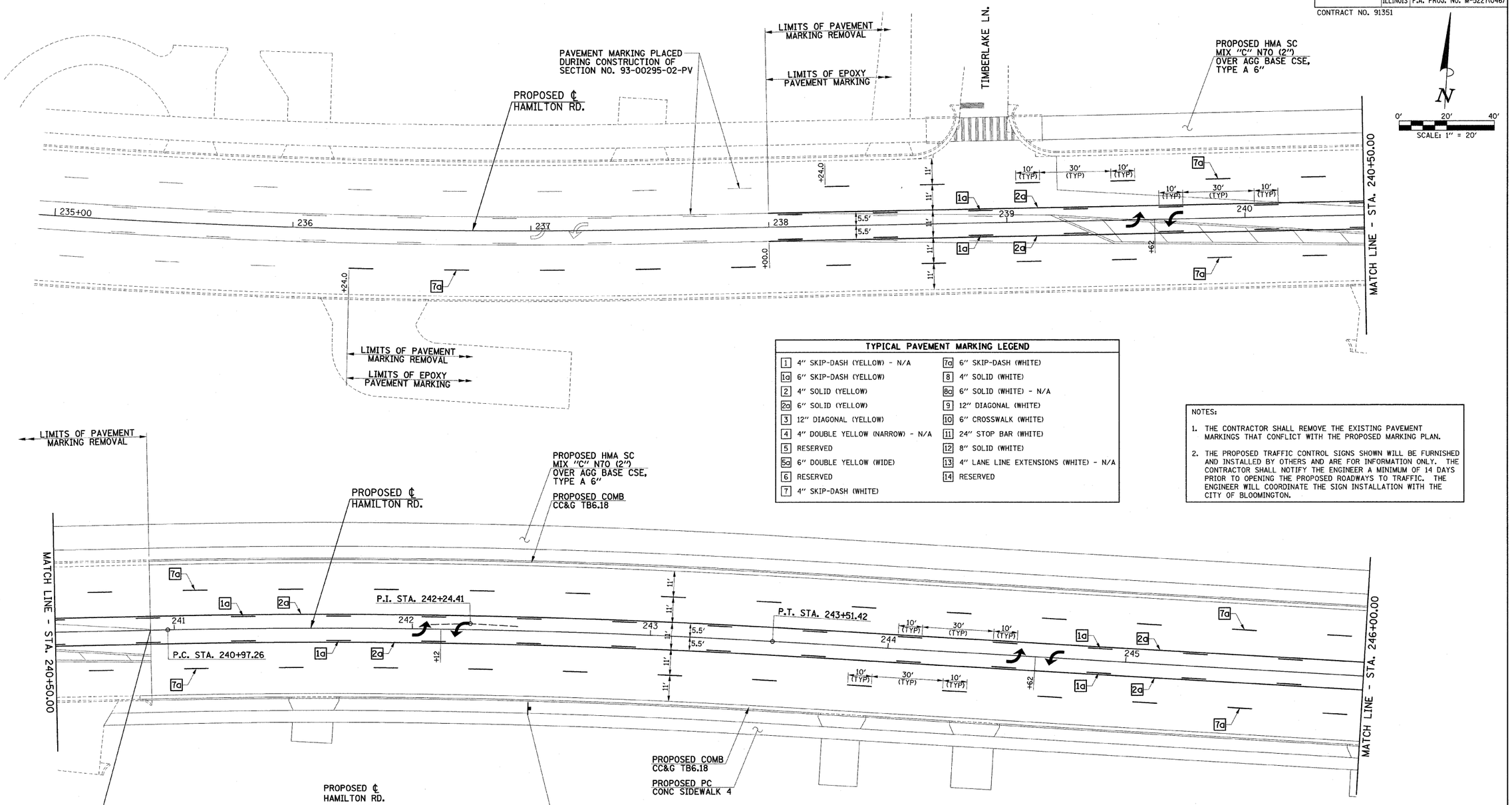
PAVEMENT MARKING SCHEDULE OF QUANTITIES

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.

SCALE : NONE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	59
STA. 235+00.00		TO STA. 246+00.00		
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351



N

0' 20' 40'

SCALE: 1" = 20'

TYPICAL PAVEMENT MARKING LEGEND

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

NOTES:

1. THE CONTRACTOR SHALL REMOVE THE EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE PROPOSED MARKING PLAN.
2. THE PROPOSED TRAFFIC CONTROL SIGNS SHOWN WILL BE FURNISHED AND INSTALLED BY OTHERS AND ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF 14 DAYS PRIOR TO OPENING THE PROPOSED ROADWAYS TO TRAFFIC. THE ENGINEER WILL COORDINATE THE SIGN INSTALLATION WITH THE CITY OF BLOOMINGTON.

BEGIN IMPROVEMENTS
HAMILTON RD.
STA. 240+90.00

PROPOSED ℄
HAMILTON RD.
CURVE DATA
P.I. STA. 242+24.41
Δ = 4°33'03"
D = 1°47'26"
T = 127.15'
R = 3200.00'
L = 254.16'
E = 2.52'
P.C. STA. 240+97.26
P.T. STA. 243+51.42

SPEED LIMIT 35

R2-1-2430

ILLINOIS DEPARTMENT OF TRANSPORTATION

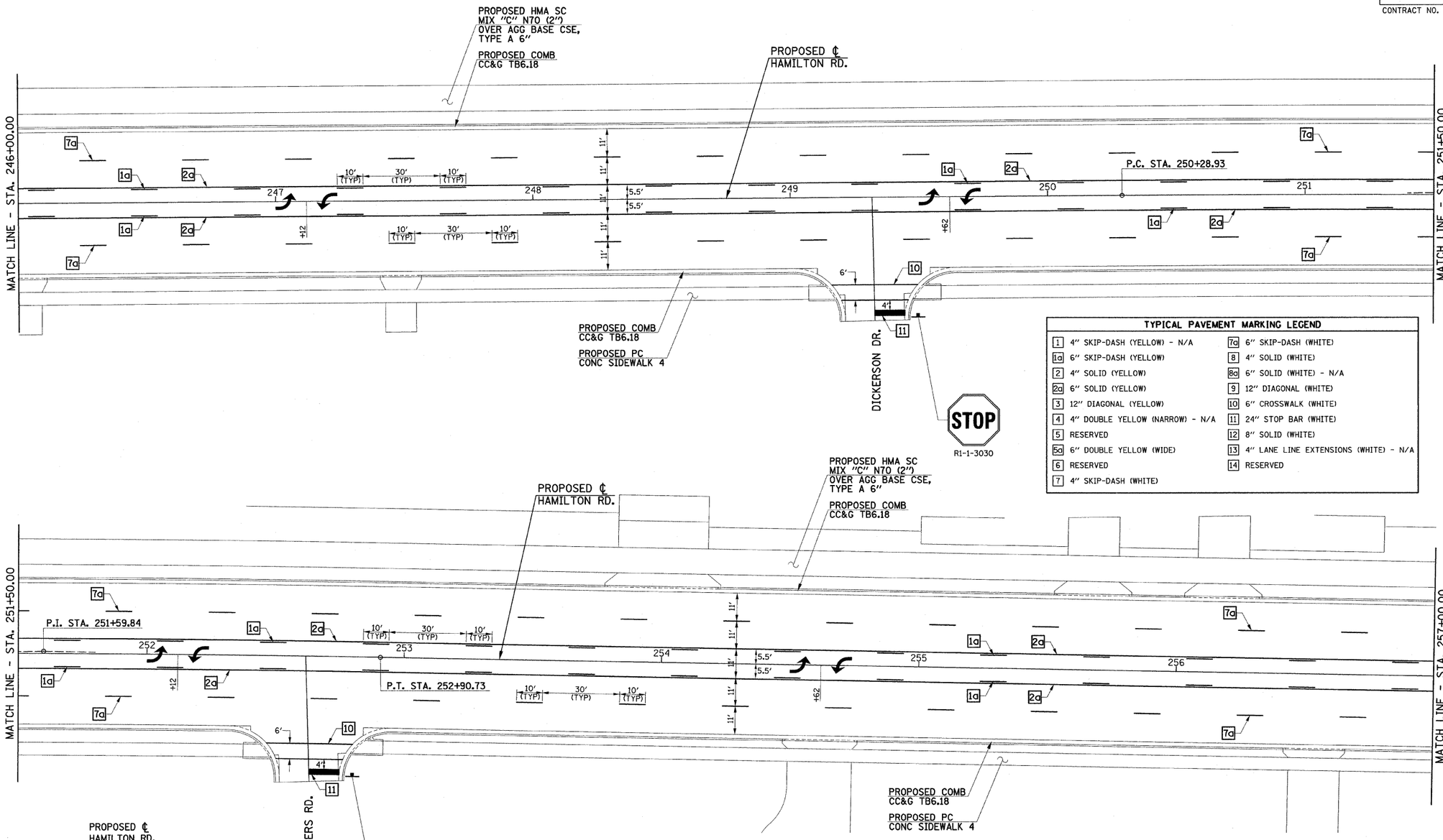
HAMILTON ROAD
PAVEMENT MARKING

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.

SCALE : 1"=20'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	60
STA. 246+00.00		TO STA. 257+00.00		
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351



TYPICAL PAVEMENT MARKING LEGEND

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

PROPOSED ℄
HAMILTON RD.
CURVE DATA
P.I. STA. 251+59.84
Δ = 1°30'00"
D = 0°34'23"
T = 130.91'
R = 10000.00'
L = 261.80'
E = 0.86'
P.C. STA. 250+28.93
P.T. STA. 252+90.73

NOTE:
THE PROPOSED TRAFFIC CONTROL SIGNS SHOWN WILL BE FURNISHED AND INSTALLED BY OTHERS AND ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF 14 DAYS PRIOR TO OPENING THE PROPOSED ROADWAYS TO TRAFFIC. THE ENGINEER WILL COORDINATE THE SIGN INSTALLATION WITH THE CITY OF BLOOMINGTON.

ILLINOIS DEPARTMENT OF TRANSPORTATION

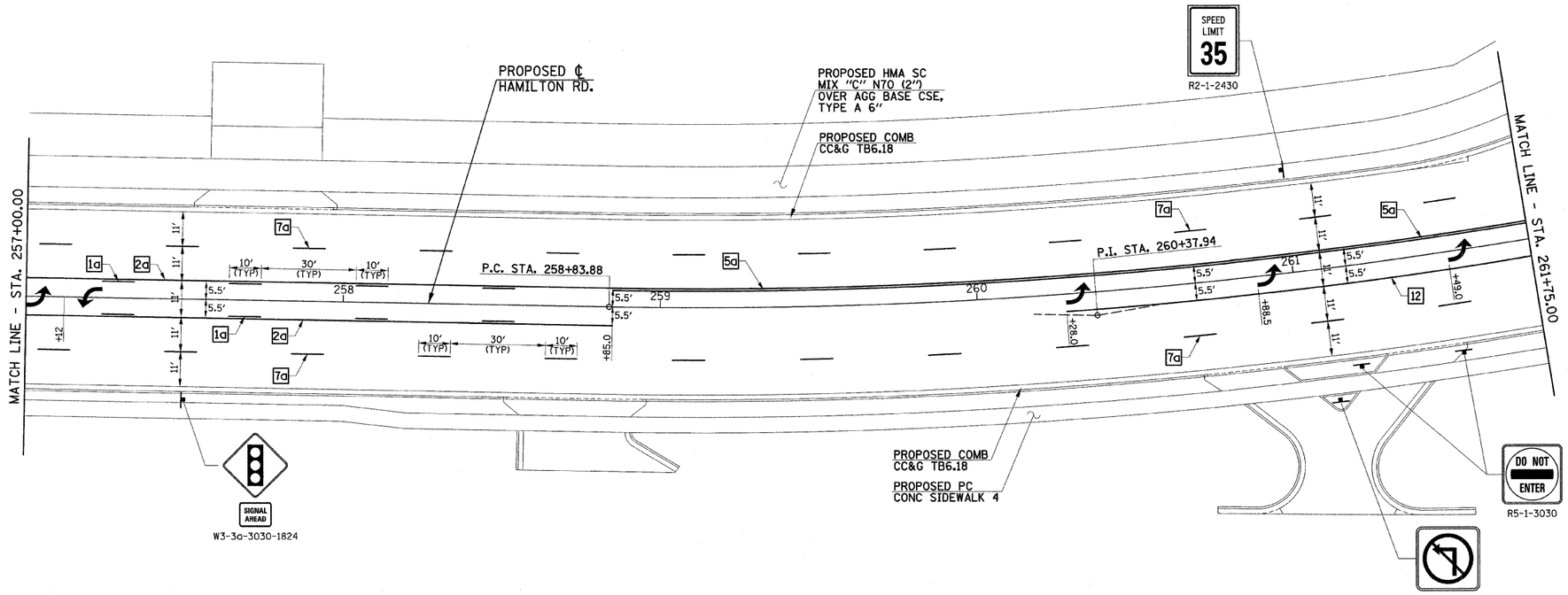
HAMILTON ROAD PAVEMENT MARKING

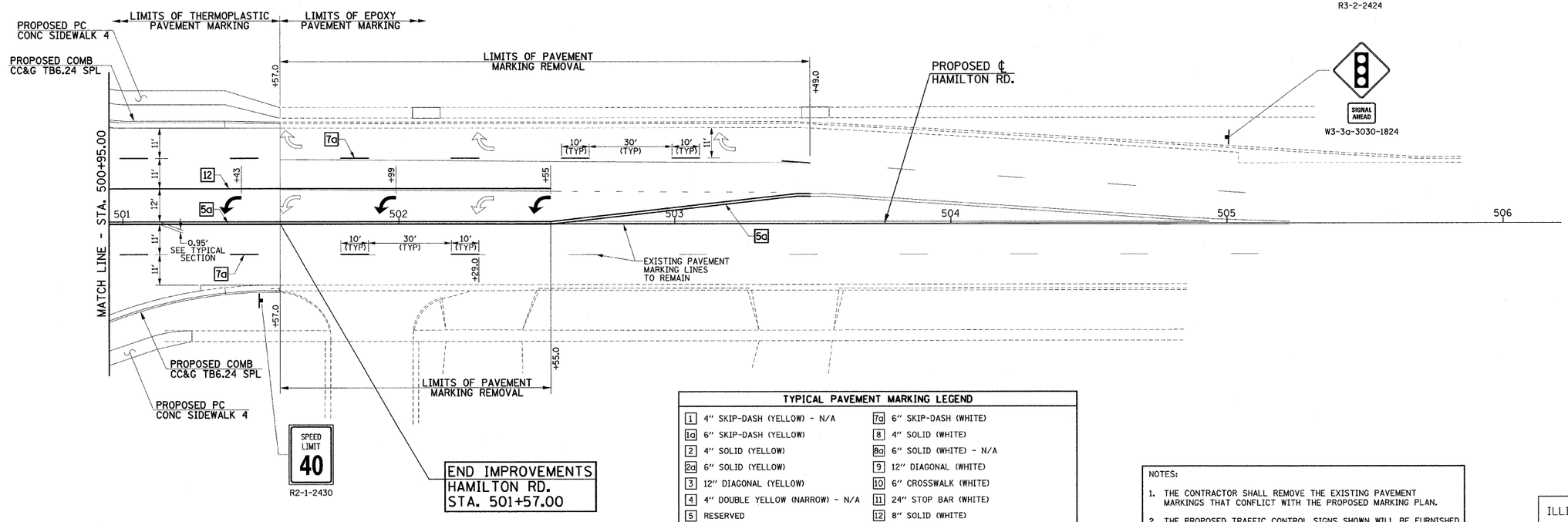
SCALE : 1"=20'

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	61
STA. 257+00.00		TO STA. 506+00.00		
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351





PROPOSED ℄
HAMILTON RD.
CURVE DATA

P.I. STA. 260+37.94
Δ = 11°00'00"
D = 3°34'52"
T = 154.06'
R = 1600.00'
L = 307.18'
E = 7.40'
P.C. STA. 258+83.88
P.T. STA. 261+91.06

N

0' 20' 40'
SCALE: 1" = 20'

TYPICAL PAVEMENT MARKING LEGEND

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

NOTES:

1. THE CONTRACTOR SHALL REMOVE THE EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH THE PROPOSED MARKING PLAN.
2. THE PROPOSED TRAFFIC CONTROL SIGNS SHOWN WILL BE FURNISHED AND INSTALLED BY OTHERS AND ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF 14 DAYS PRIOR TO OPENING THE PROPOSED ROADWAYS TO TRAFFIC. THE ENGINEER WILL COORDINATE THE SIGN INSTALLATION WITH THE CITY OF BLOOMINGTON.

ILLINOIS DEPARTMENT OF TRANSPORTATION

HAMILTON ROAD PAVEMENT MARKING

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : 1"=20'

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	62
STA. 296+25.00		TO STA. 301+75.00		
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

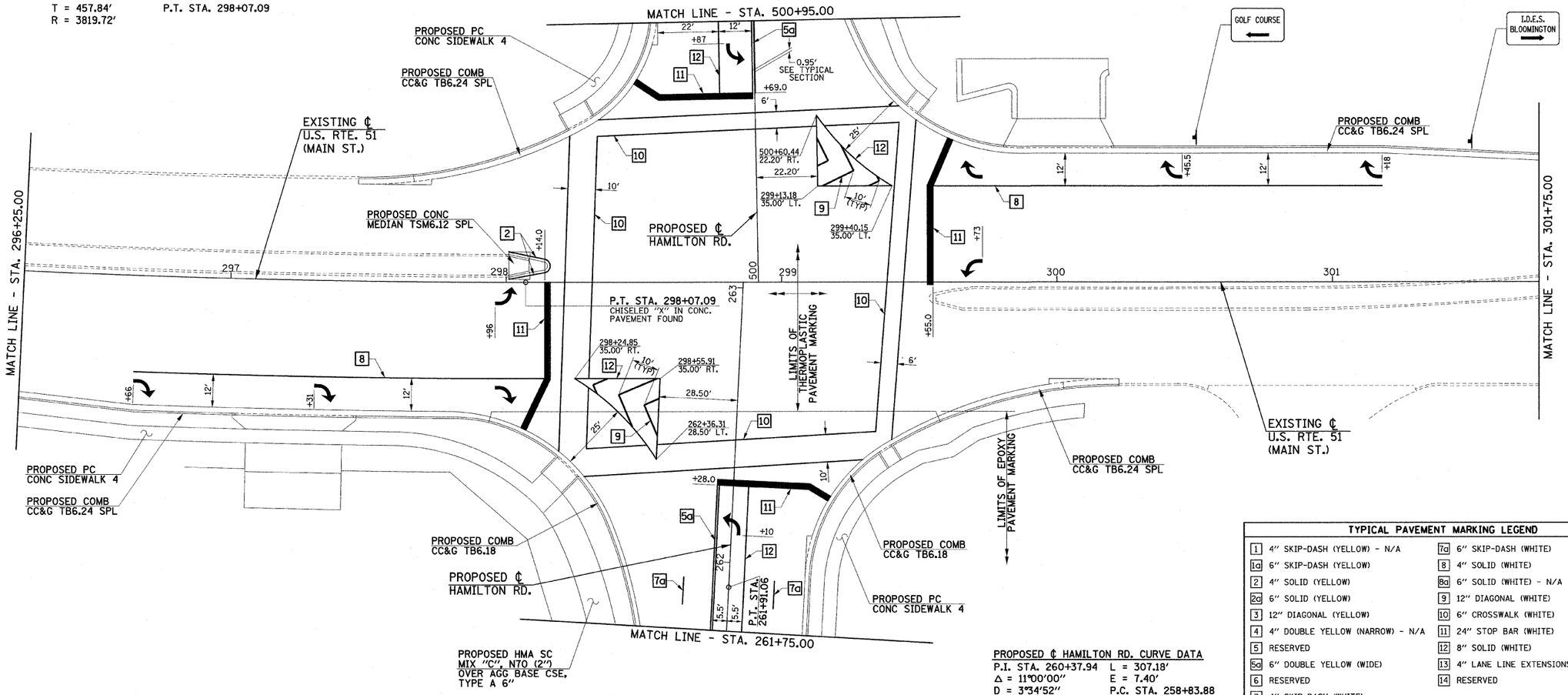
N

0' 20' 40'

SCALE: 1" = 20'

EXISTING ℄ U.S. RTE. 51 (MAIN ST.)
CURVE DATA

P.I. STA. 293+53.59 L = 911.34'
Δ = 13°40'12" E = 27.34'
D = 1°30'00" P.C. STA. 288+95.75
T = 457.84' P.T. STA. 298+07.09
R = 3819.72'



PROPOSED ℄ HAMILTON RD. CURVE DATA

P.I. STA. 260+37.94 L = 307.18'
Δ = 11°00'00" E = 7.40'
D = 3°34'52" P.C. STA. 258+83.88
T = 154.06' P.T. STA. 261+91.06
R = 1600.00'

TYPICAL PAVEMENT MARKING LEGEND

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

NOTE:
THE PROPOSED TRAFFIC CONTROL SIGNS SHOWN WILL BE FURNISHED AND INSTALLED BY OTHERS AND ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF 14 DAYS PRIOR TO OPENING THE PROPOSED ROADWAYS TO TRAFFIC. THE ENGINEER WILL COORDINATE THE SIGN INSTALLATION WITH THE CITY OF BLOOMINGTON.

ILLINOIS DEPARTMENT OF TRANSPORTATION

U.S. RTE. 51 (MAIN ST.) PAVEMENT MARKING

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : 1"=20'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	63
STA. 291+00/301+75 TO STA. 296+75/306+00				
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

N

0' 20' 40'

SCALE: 1" = 20'

EXISTING ℄
U.S. RTE. 51
(MAIN ST.)
CURVE DATA
P.I. STA. 293+53.59
Δ = 13°40'12"
D = 1°30'00"
T = 457.84'
R = 3819.72'
L = 911.34'
E = 27.34'
P.C. STA. 288+95.75
P.T. STA. 298+07.09

BEGIN IMPROVEMENTS
U.S. RTE. 51 (MAIN ST.)
STA. 294+16.00

EXISTING ℄
U.S. RTE. 51
(MAIN ST.)

293 294 295 296

P.I. STA. 293+53.59

MATCH LINE - STA. 296+25.00

PROPOSED PC
CONC SIDEWALK 4

PROPOSED COMB
CC&G TB6.24

I.D.E.S.
BLOOMINGTON

SPEED LIMIT 45
R2-1-2430

PROPOSED COMB
CC&G TB6.24

+68.0

MATCH LINE - STA. 301+75.00

302 303 304 305 306

P.O.L. STA. 306+22.10
BRASS MONUMENT SET IN
CONCRETE FOUND

EXISTING ℄
U.S. RTE. 51
(MAIN ST.)

CONC. S.W.

CONC. S.W.

END IMPROVEMENTS
U.S. RTE. 51 (MAIN ST.)
STA. 303+68.00

TYPICAL PAVEMENT MARKING LEGEND

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

NOTE:
THE PROPOSED TRAFFIC CONTROL SIGNS SHOWN WILL BE FURNISHED AND INSTALLED BY OTHERS AND ARE FOR INFORMATION ONLY. THE CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF 14 DAYS PRIOR TO OPENING THE PROPOSED ROADWAYS TO TRAFFIC. THE ENGINEER WILL COORDINATE THE SIGN INSTALLATION WITH THE CITY OF BLOOMINGTON.

ILLINOIS DEPARTMENT OF TRANSPORTATION

U.S. RTE. 51 (MAIN ST.)
PAVEMENT MARKING

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.

SCALE : 1"=20'

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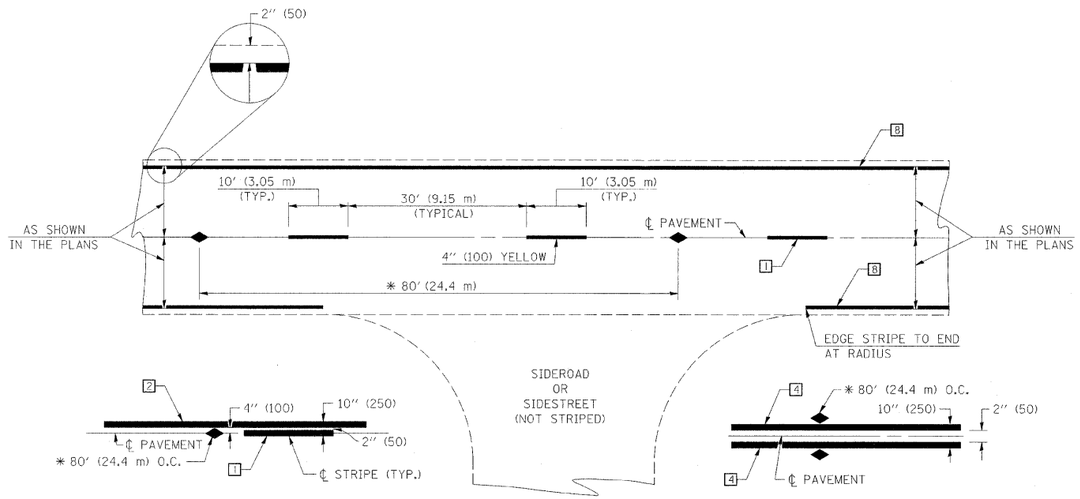
TYPICAL APPLICATIONS OF URBAN PAVEMENT MARKINGS AND MARKERS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	64
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

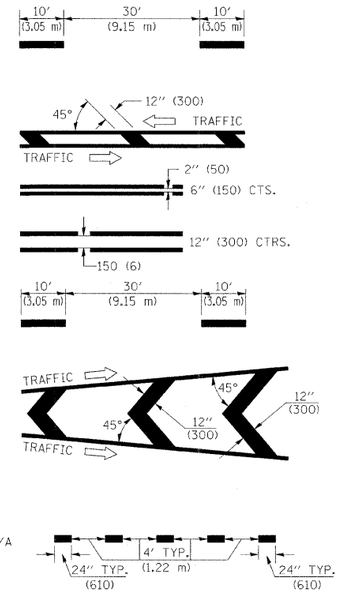


* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.

TWO LANE/TWO WAY

TYPICAL PAVEMENT MARKING LEGEND

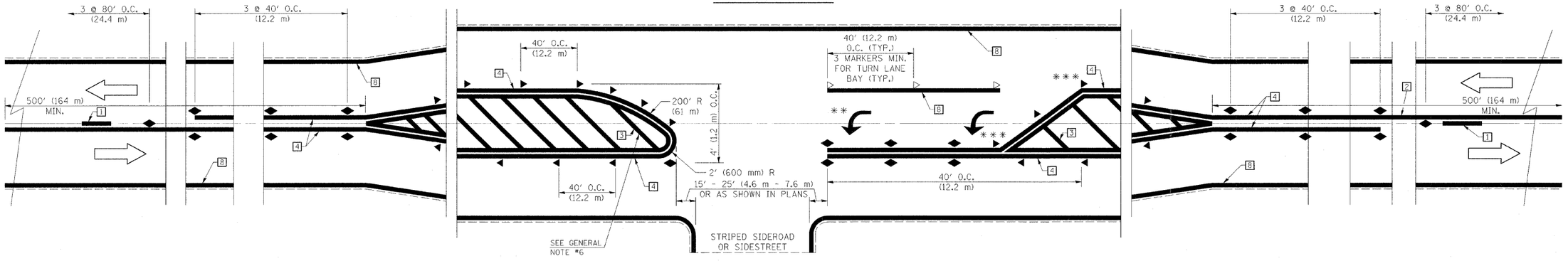
- 1 4" (100) SKIP-DASH (YELLOW) - N/A
- 1a 6" (150) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 2a 6" (150) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW) - N/A
- 5 RESERVED
- 5a 6" (150) DOUBLE YELLOW (WIDE)
- 6 RESERVED
- 7 4" (100) SKIP-DASH (WHITE)
- 7a 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 8a 6" (150) SOLID (WHITE) - N/A
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) CROSSWALK (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 4" (100) LANE LINE EXTENSIONS (WHITE) - N/A
- 14 RESERVED



TYPICAL PAVEMENT MARKERS LEGEND

- TWO-WAY AMBER MARKER
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER

RURAL LEFT TURN



*** REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.

** TURN ARROWS SHALL BE PLACED AS SHOWN ON SHEET *2.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : NONE

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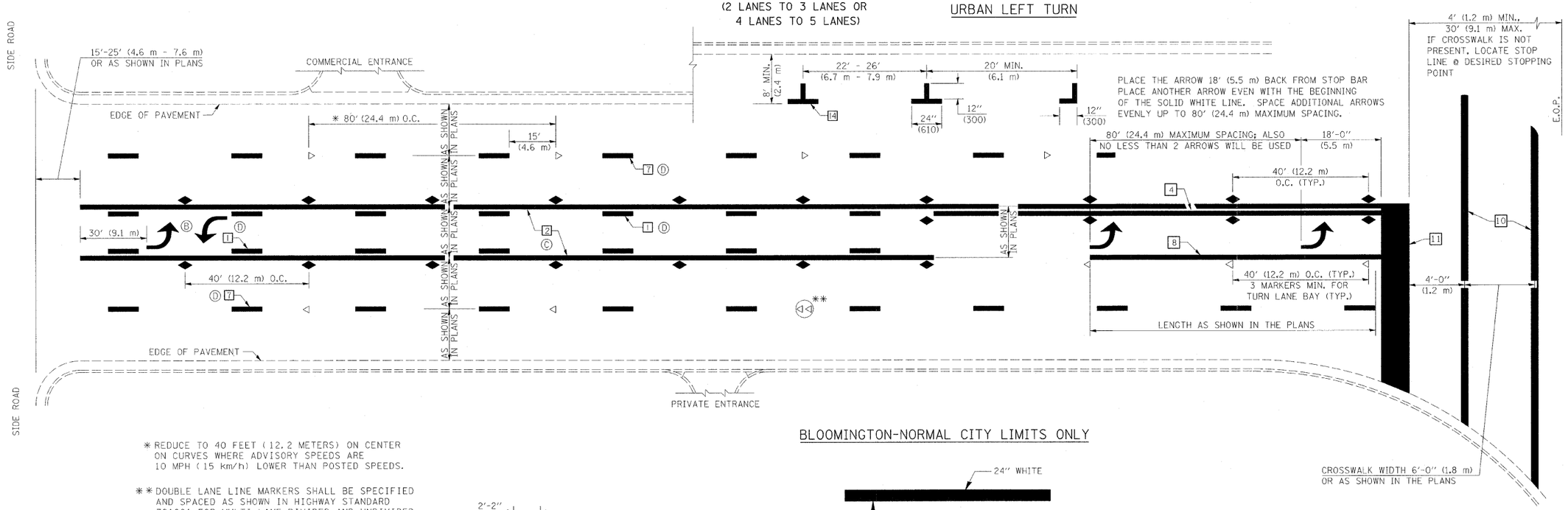
TYPICAL APPLICATIONS OF URBAN PAVEMENT MARKINGS AND MARKERS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	65
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

URBAN LEFT TURN

(2 LANES TO 3 LANES OR 4 LANES TO 5 LANES)



* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

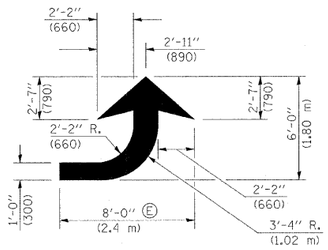
GENERAL NOTES:

Ⓑ TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) 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.

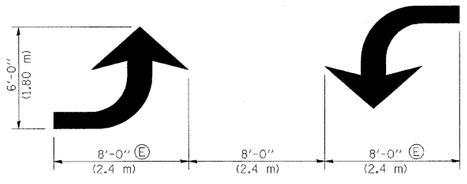
Ⓓ THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER. SEE EXAMPLE ON SHEET 2 OF 3.

Ⓔ USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)



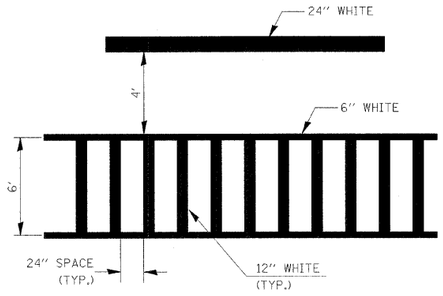
LEFT ARROW

REVERSE FOR RIGHT ARROW
AREA = 15.6 SQ. FT. (1.47 m 2)
(WHITE)

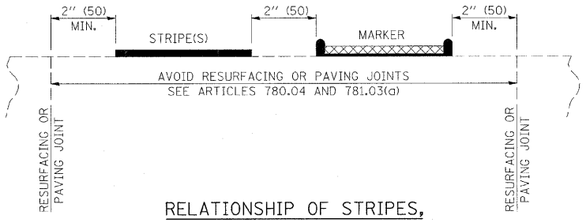


TYPICAL DOUBLE TURN ARROWS (WHITE)

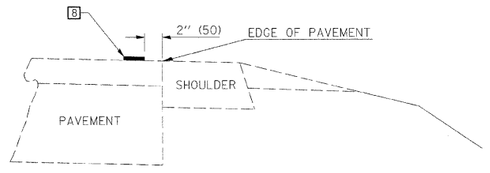
BLOOMINGTON-NORMAL CITY LIMITS ONLY



TYPICAL SPACING FOR CROSSWALKS & STOP BARS



RELATIONSHIP OF STRIPES, MARKERS AND JOINTS



RELATIONSHIP OF EDGE LINE TO EDGE OF PAVEMENT

(SAFETY SHOULDER OR PAVED SURFACE)
SEE ARTICLE 780.04

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

ILLINOIS DEPARTMENT OF TRANSPORTATION

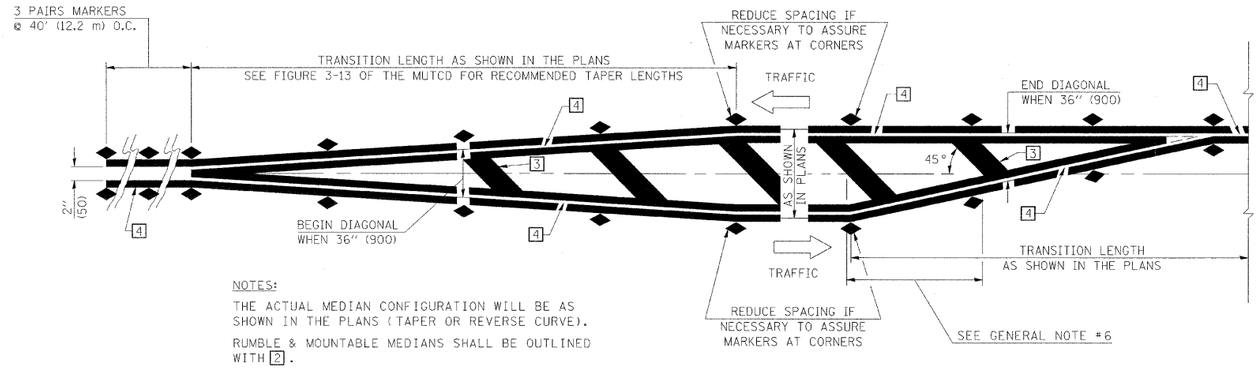
PAVEMENT MARKING DETAILS

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : NONE

TYPICAL APPLICATIONS OF URBAN PAVEMENT MARKINGS AND MARKERS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	66
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351



NOTES:

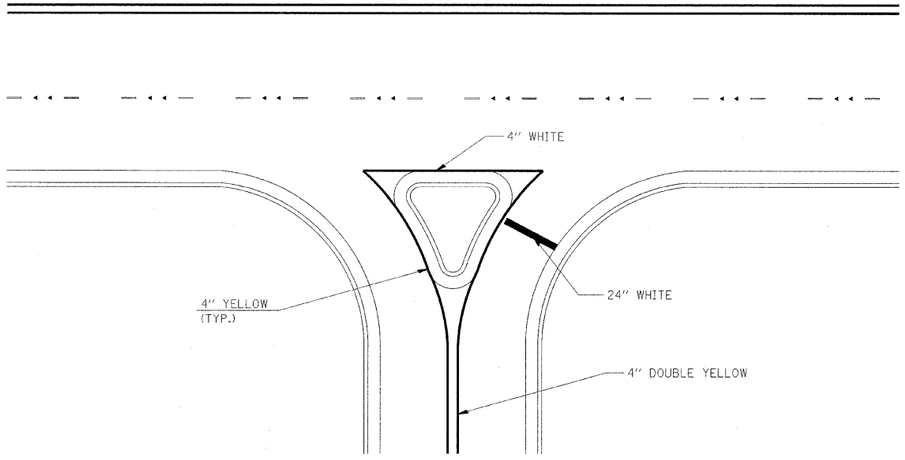
THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).

RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

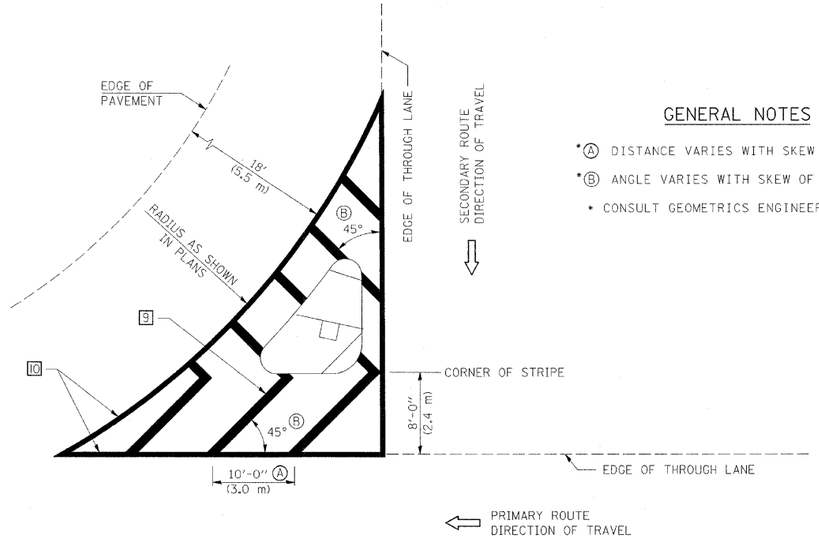
TYPICAL MEDIAN TRANSITIONS

GENERAL NOTES

1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
5. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
6. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING,
   <30 MPH USE 15' (<50 km/h USE 4.5 m)
   30-45 MPH USE 20' (50-75 km/h USE 6.0 m)
   >45 MPH USE 30' (>75 km/h USE 9.0 m)



RIGHT IN - RIGHT OUT ACCESS



GENERAL NOTES

*Ⓐ DISTANCE VARIES WITH SKEW OF INTERSECTION.

*Ⓑ ANGLE VARIES WITH SKEW OF INTERSECTION.

* CONSULT GEOMETRICS ENGINEER

ISLAND

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.

SCALE : NONE

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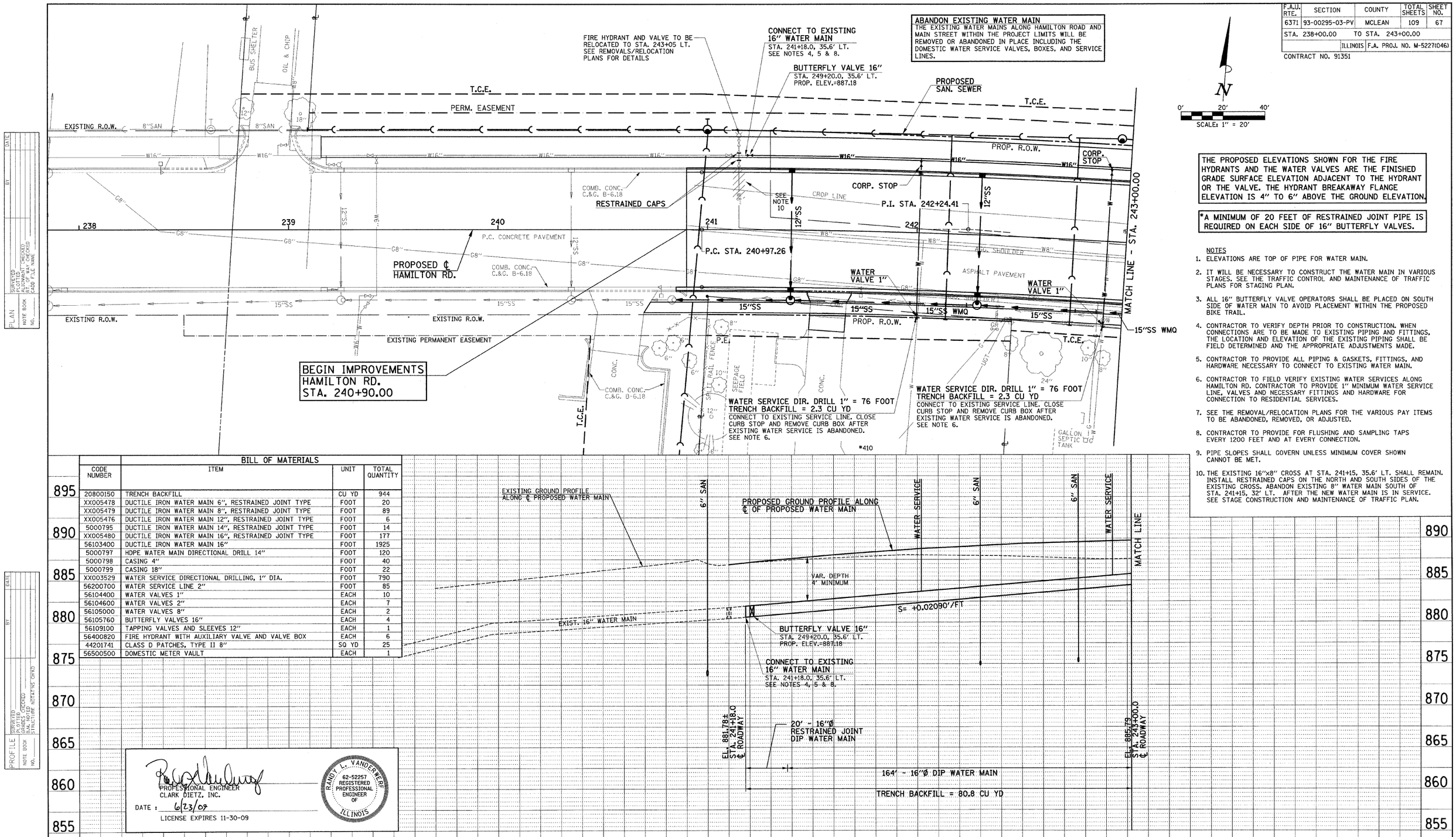
6/19/2009 10:07:28 AM

CITY OF BLOOMINGTON SECTION NO. 93-00295-03-PV MCLEAN COUNTY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	67
STA. 238+00.00	TO STA. 243+00.00			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351



THE PROPOSED ELEVATIONS SHOWN FOR THE FIRE HYDRANTS AND THE WATER VALVES ARE THE FINISHED GRADE SURFACE ELEVATION ADJACENT TO THE HYDRANT OR THE VALVE. THE HYDRANT BREAKAWAY FLANGE ELEVATION IS 4" TO 6" ABOVE THE GROUND ELEVATION.

*A MINIMUM OF 20 FEET OF RESTRAINED JOINT PIPE IS REQUIRED ON EACH SIDE OF 16" BUTTERFLY VALVES.

NOTES

1. ELEVATIONS ARE TOP OF PIPE FOR WATER MAIN.
2. IT WILL BE NECESSARY TO CONSTRUCT THE WATER MAIN IN VARIOUS STAGES. SEE THE TRAFFIC CONTROL AND MAINTENANCE OF TRAFFIC PLANS FOR STAGING PLAN.
3. ALL 16" BUTTERFLY VALVE OPERATORS SHALL BE PLACED ON SOUTH SIDE OF WATER MAIN TO AVOID PLACEMENT WITHIN THE PROPOSED BIKE TRAIL.
4. CONTRACTOR TO VERIFY DEPTH PRIOR TO CONSTRUCTION. WHEN CONNECTIONS ARE TO BE MADE TO EXISTING PIPING AND FITTINGS, THE LOCATION AND ELEVATION OF THE EXISTING PIPING SHALL BE FIELD DETERMINED AND THE APPROPRIATE ADJUSTMENTS MADE.
5. CONTRACTOR TO PROVIDE ALL PIPING & GASKETS, FITTINGS, AND HARDWARE NECESSARY TO CONNECT TO EXISTING WATER MAIN.
6. CONTRACTOR TO FIELD VERIFY EXISTING WATER SERVICES ALONG HAMILTON RD. CONTRACTOR TO PROVIDE 1" MINIMUM WATER SERVICE LINE, VALVES AND NECESSARY FITTINGS AND HARDWARE FOR CONNECTION TO RESIDENTIAL SERVICES.
7. SEE THE REMOVAL/RELOCATION PLANS FOR THE VARIOUS PAY ITEMS TO BE ABANDONED, REMOVED, OR ADJUSTED.
8. CONTRACTOR TO PROVIDE FOR FLUSHING AND SAMPLING TAPS EVERY 1200 FEET AND AT EVERY CONNECTION.
9. PIPE SLOPES SHALL GOVERN UNLESS MINIMUM COVER SHOWN CANNOT BE MET.
10. THE EXISTING 16"x8" CROSS AT STA. 241+15, 35.6' LT. SHALL REMAIN. INSTALL RESTRAINED CAPS ON THE NORTH AND SOUTH SIDES OF THE EXISTING CROSS. ABANDON EXISTING 8" WATER MAIN SOUTH OF STA. 241+15, 32' LT. AFTER THE NEW WATER MAIN IS IN SERVICE. SEE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLAN.

BILL OF MATERIALS

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY
20800150	TRENCH BACKFILL	CU YD	944
XX005478	DUCTILE IRON WATER MAIN 6", RESTRAINED JOINT TYPE	FOOT	20
XX005479	DUCTILE IRON WATER MAIN 8", RESTRAINED JOINT TYPE	FOOT	89
XX005476	DUCTILE IRON WATER MAIN 12", RESTRAINED JOINT TYPE	FOOT	6
5000795	DUCTILE IRON WATER MAIN 14", RESTRAINED JOINT TYPE	FOOT	14
XX005480	DUCTILE IRON WATER MAIN 16", RESTRAINED JOINT TYPE	FOOT	177
56103400	DUCTILE IRON WATER MAIN 16"	FOOT	1925
5000797	HDPE WATER MAIN DIRECTIONAL DRILL 14"	FOOT	120
5000798	CASING 4"	FOOT	40
5000799	CASING 18"	FOOT	22
XX003529	WATER SERVICE DIRECTIONAL DRILLING, 1" DIA.	FOOT	790
56200700	WATER SERVICE LINE 2"	FOOT	85
56104400	WATER VALVES 1"	EACH	10
56104600	WATER VALVES 2"	EACH	7
56105000	WATER VALVES 8"	EACH	2
56105760	BUTTERFLY VALVES 16"	EACH	4
56109100	TAPPING VALVES AND SLEEVES 12"	EACH	1
56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	6
44201741	CLASS D PATCHES, TYPE II 8"	SQ YD	25
56500500	DOMESTIC METER VAULT	EACH	1

PROFESSIONAL ENGINEER
CLARK DIETZ, INC.
DATE : 6/23/09
LICENSE EXPIRES 11-30-09

RANDY L. VANDEWEERD
62-52257
REGISTERED PROFESSIONAL ENGINEER
OF
ILLINOIS

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6/19/2009 9:00:00 AM

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	68
STA. 243+00.00		TO STA. 248+00.00		
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

N

0' 20' 40'

SCALE: 1" = 20'

RELOCATED FIRE HYDRANT AND WATER VALVE FROM STA. 241+14.8, 45.1' LT.
STA. 243+05.0, 35.6 LT.
TO ℄ OF TEE
PROP. ELEV.=889.8
BREAKAWAY FLANGE=890.3

ABANDON EXISTING WATER MAIN
THE EXISTING WATER MAINS ALONG HAMILTON ROAD AND MAIN STREET WITHIN THE PROJECT LIMITS WILL BE REMOVED OR ABANDONED IN PLACE INCLUDING THE DOMESTIC WATER SERVICE VALVES, BOXES, AND SERVICE LINES.

FIRE HYDRANT WITH AUXILLIARY VALVE AND VALVE BOX
STA. 246+35.4, 35.6 LT.
TO ℄ OF TEE
PROP. ELEV.=891.0
BREAKAWAY FLANGE=891.5

CONNECTION FROM METER TO EXISTING IRRIGATION SYSTEM TO BE MADE BY THE CITY OF BLOOMINGTON PARKS AND RECREATIONAL DEPARTMENT.

DOMESTIC METER VAULTS = 1 EACH
STA. 246+55.0, 57.0' LT.
(SEE DETAIL SHEET)

2" WATER SERVICE LINE = 45 FOOT TRENCH BACKFILL = 4.3 CU YD

WATER SERVICE DIR. DRILL 1" = 77 FOOT TRENCH BACKFILL = 2.3 CU YD
CONNECT TO EXISTING SERVICE LINE. CLOSE CURB STOP AND REMOVE CURB BOX AFTER EXISTING WATER SERVICE IS ABANDONED. SEE NOTE 4.

WATER SERVICE DIR. DRILL 1" = 77 FOOT TRENCH BACKFILL = 2.3 CU YD
CONNECT TO EXISTING SERVICE LINE. CLOSE CURB STOP AND REMOVE CURB BOX AFTER EXISTING WATER SERVICE IS ABANDONED. SEE NOTE 4 AND 7.

WATER SERVICE DIR. DRILL 1" = 82 FOOT TRENCH BACKFILL = 2.3 CU YD
CONNECT TO EXISTING SERVICE LINE. CLOSE CURB STOP AND REMOVE CURB BOX AFTER EXISTING WATER SERVICE IS ABANDONED. SEE NOTE 4 AND 7.

MATCH LINE - STA. 243+00.00

MATCH LINE - STA. 248+00.00

P.T. STA. 243+51.42

BM 408

THE PROPOSED ELEVATIONS SHOWN FOR THE FIRE HYDRANTS AND THE WATER VALVES ARE THE FINISHED GRADE SURFACE ELEVATION ADJACENT TO THE HYDRANT OR THE VALVE. THE HYDRANT BREAKAWAY FLANGE ELEVATION IS 4" TO 6" ABOVE THE GROUND ELEVATION.

*A MINIMUM OF 20 FEET OF RESTRAINED JOINT PIPE IS REQUIRED ON EACH SIDE OF 16" BUTTERFLY VALVES.

NOTES
1. ELEVATIONS ARE TOP OF PIPE FOR WATER MAIN.
2. IT WILL BE NECESSARY TO CONSTRUCT THE WATER MAIN IN VARIOUS STAGES. SEE THE TRAFFIC CONTROL AND MAINTENANCE OF TRAFFIC PLANS FOR STAGING PLAN.
3. ALL 16" BUTTERFLY VALVE OPERATORS SHALL BE PLACED ON SOUTH SIDE OF WATER MAIN TO AVOID PLACEMENT WITHIN THE PROPOSED BIKE TRAIL.
4. CONTRACTOR TO FIELD VERIFY EXISTING WATER SERVICES ALONG HAMILTON RD. CONTRACTOR TO PROVIDE 1" MINIMUM WATER SERVICE LINE, VALVES AND NECESSARY FITTINGS AND HARDWARE FOR CONNECTION TO RESIDENTIAL SERVICES AND 2" MINIMUM WATER SERVICE LINE, VALVES AND NECESSARY FITTINGS AND HARDWARE FOR CONNECTION TO COMMERCIAL SERVICES.
5. SEE THE REMOVAL/RELOCATION PLANS FOR THE VARIOUS PAY ITEMS TO BE ABANDONED, REMOVED, OR ADJUSTED.
6. CONTRACTOR TO PROVIDE FOR FLUSHING AND SAMPLING TAPS EVERY 1200 FEET AND AT EVERY CONNECTION.
7. WATER LINE TO BE 18" MIN. ABOVE TOP OF SANITARY SEWER.
8. PIPE SLOPES SHALL GOVERN UNLESS MINIMUM COVER SHOWN CANNOT BE MET.

BM 408 - TOP CAP BOLT ON FIRE HYDRANT ON NORTH SIDE OF HAMILTON RD. STA. 246+53, 8' RT. ELEV. 894.11

EXISTING GROUND PROFILE ALONG ℄ PROPOSED WATER MAIN

PROPOSED GROUND PROFILE ALONG ℄ OF PROPOSED WATER MAIN

VAR. DEPTH 4' MINIMUM

VAR. DEPTH 3.5' MINIMUM

S= +0.00380'/FT

S= -0.00200'/FT

RELOCATED FIRE HYDRANT AND WATER VALVE FROM STA. 241+14.8, 45.1' LT.
STA. 243+05.0, 35.6' LT.
TO ℄ OF TEE
PROP. ELEV.=889.8
BREAKAWAY FLANGE=890.3

FIRE HYDRANT WITH AUXILLIARY VALVE AND VALVE BOX
STA. 246+35.4, 35.6' LT.
TO ℄ OF TEE
PROP. ELEV.=891.0
BREAKAWAY FLANGE=891.5

EL. 885.79 STA. 243+00.0 ℄ ROADWAY

EL. 887.07 STA. 246+35.4 ℄ ROADWAY

EL. 886.74 STA. 248+00.0 ℄ ROADWAY

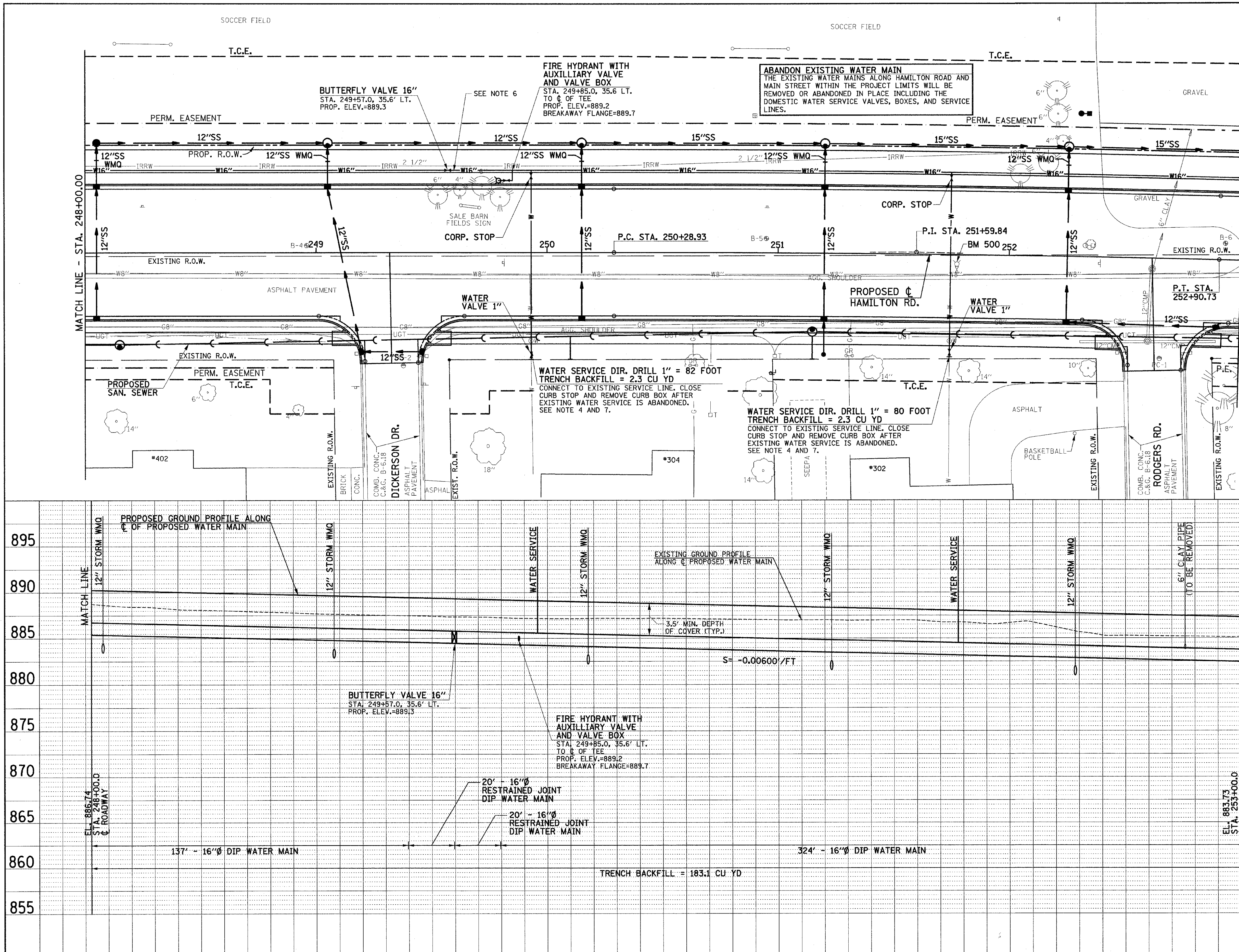
336' - 16"Ø DIP WATER MAIN

165' - 16"Ø DIP WATER MAIN

TRENCH BACKFILL = 206.3 CU YD

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	69
STA. 248+00.00	TO STA. 253+00.00			
		ILLINOIS	F.A. PROJ. NO. M-5227(046)	

CONTRACT NO. 91351



N

0′ 20′ 40′

SCALE: 1″ = 20′

THE PROPOSED ELEVATIONS SHOWN FOR THE FIRE HYDRANTS AND THE WATER VALVES ARE THE FINISHED GRADE SURFACE ELEVATION ADJACENT TO THE HYDRANT OR THE VALVE. THE HYDRANT BREAKAWAY FLANGE ELEVATION IS 4″ TO 6″ ABOVE THE GROUND ELEVATION.

*A MINIMUM OF 20 FEET OF RESTRAINED JOINT PIPE IS REQUIRED ON EACH SIDE OF 16″ BUTTERFLY VALVES.

NOTES

1. ELEVATIONS ARE TOP OF PIPE FOR WATER MAIN.
2. IT WILL BE NECESSARY TO CONSTRUCT THE WATER MAIN IN VARIOUS STAGES. SEE THE TRAFFIC CONTROL AND MAINTENANCE OF TRAFFIC PLANS FOR STAGING PLAN.
3. ALL 16″ BUTTERFLY VALVE OPERATORS SHALL BE PLACED ON SOUTH SIDE OF WATER MAIN TO AVOID PLACEMENT WITHIN THE PROPOSED BIKE TRAIL.
4. CONTRACTOR TO FIELD VERIFY EXISTING WATER SERVICES ALONG HAMILTON RD. CONTRACTOR TO PROVIDE 1″ MINIMUM WATER SERVICE LINE, VALVES AND NECESSARY FITTINGS AND HARDWARE FOR CONNECTION TO RESIDENTIAL SERVICES.
5. SEE THE REMOVAL/RELOCATION PLANS FOR THE VARIOUS PAY ITEMS TO BE ABANDONED, REMOVED, OR ADJUSTED.
6. CONTRACTOR TO PROVIDE FOR FLUSHING AND SAMPLING TAPS EVERY 1200 FEET AND AT EVERY CONNECTION.
7. WATER LINE TO BE 18″ MIN. ABOVE TOP OF SANITARY SEWER.
8. PIPE SLOPES SHALL GOVERN UNLESS MINIMUM COVER SHOWN CANNOT BE MET.

BM 500 - TOP N.W. FLANGE BOLT ON FIRE HYDRANT ON NORTH SIDE OF HAMILTON RD. STA. 251+77, 4′ RT. ELEV. 889.70

PLAN — NOTE BOOK, NO. — SURVEYED, PLOTTED, ALIGNMENT CHECKED, R.O.W. CHECKED, CADD FILE NAME — BY — DATE

PROFILE — NOTE BOOK, NO. — SURVEYED, PLOTTED, GRADES CHECKED, B.M. NOTED, STRUCTURE NOTATIONS CHKD — BY — DATE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	70
STA. 253+00.00	TO STA. 258+00.00			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

FIRE HYDRANT WITH AUXILLIARY VALVE AND VALVE BOX
STA. 253+65.0, 35.6 LT.
TO ℄ OF TEE
PROP. ELEV.=886.8
BREAKAWAY FLANGE=887.5

ABANDON EXISTING WATER MAIN
THE EXISTING WATER MAINS ALONG HAMILTON ROAD AND MAIN STREET WITHIN THE PROJECT LIMITS WILL BE REMOVED OR ABANDONED IN PLACE INCLUDING THE DOMESTIC WATER SERVICE VALVES, BOXES, AND SERVICE LINES.

2" WATER SERVICE LINE = 20 FOOT
TRENCH BACKFILL = 4.3 CU YD
CONNECT TO EXISTING SERVICE LINE. CLOSE CURB STOP AND REMOVE CURB BOX AFTER EXISTING WATER SERVICE IS ABANDONED. SEE NOTE 4.

FIRE HYDRANT WITH AUXILLIARY VALVE AND VALVE BOX
STA. 257+15.0, 35.6 LT.
TO ℄ OF TEE
PROP. ELEV.=887.1
BREAKAWAY FLANGE=887.6

N
0' 20' 40'
SCALE: 1" = 20'

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5. SEE THE REMOVAL/RELOCATION PLANS FOR THE VARIOUS PAY ITEMS TO BE ABANDONED, REMOVED, OR ADJUSTED.
6. CONTRACTOR TO PROVIDE FOR FLUSHING AND SAMPLING TAPS EVERY 1200 FEET AND AT EVERY CONNECTION.
7. UNLESS CASING PIPE IS SHOWN, WATER LINE TO BE 18" MIN. ABOVE TOP OF SANITARY SEWER.
8. PIPE SLOPES SHALL GOVERN UNLESS MINIMUM COVER SHOWN CANNOT BE MET.

BM 501 - TOP CAP BOLT ON FIRE HYDRANT ON NORTH SIDE OF HAMILTON RD. STA. 257+04, 10' LT. ELEV. 890.74

MATCH LINE - STA. 253+00.00

MATCH LINE - STA. 258+00.00

PROPOSED ℄ HAMILTON RD.

CASING PIPE 4" = 20 FOOT
TOP OF CASING TO BE NO HIGHER THAN ELEV. 879.0

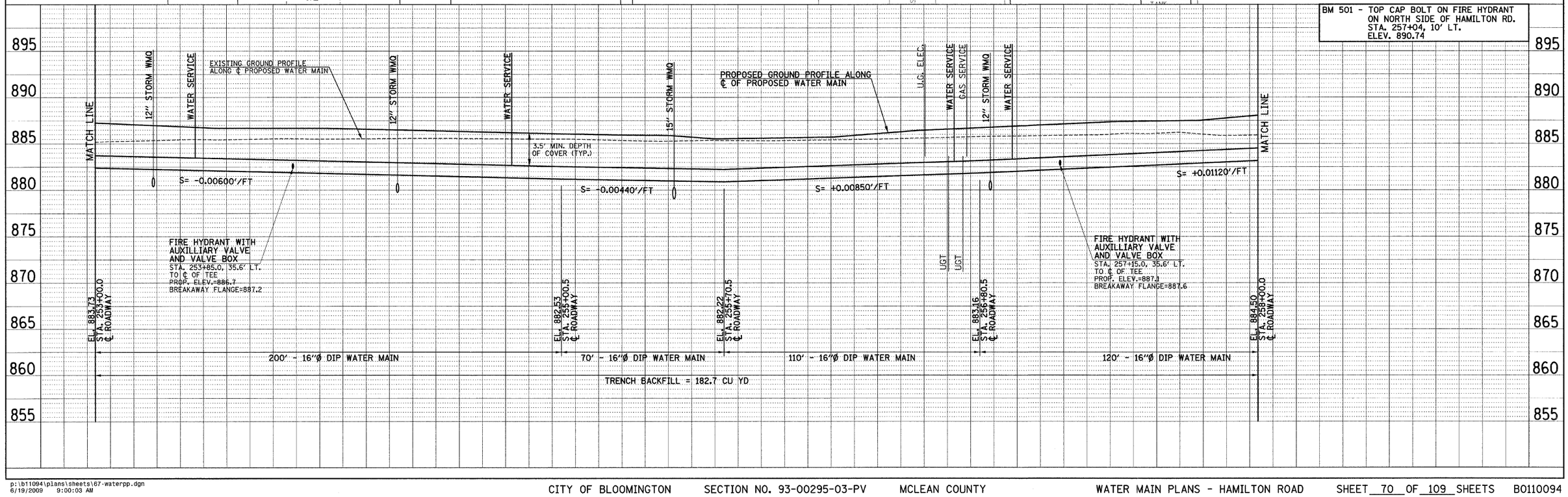
CASING PIPE 4" = 20 FOOT
TOP OF CASING TO BE NO HIGHER THAN ELEV. 879.5

WATER SERVICE DIR. DRILL 1" = 80 FOOT
TRENCH BACKFILL = 2.3 CU YD
CONNECT TO EXISTING SERVICE LINE. CLOSE CURB STOP AND REMOVE CURB BOX AFTER EXISTING WATER SERVICE IS ABANDONED. SEE NOTE 4 AND 7.

WATER SERVICE DIR. DRILL 1" = 80 FOOT
TRENCH BACKFILL = 5.0 CU YD
CONNECT TO EXISTING SERVICE LINE. CLOSE CURB STOP AND REMOVE CURB BOX AFTER EXISTING WATER SERVICE IS ABANDONED. SEE NOTE 4.

WATER SERVICE DIR. DRILL 1" = 80 FOOT
TRENCH BACKFILL = 5.0 CU YD
CONNECT TO EXISTING SERVICE LINE. CLOSE CURB STOP AND REMOVE CURB BOX AFTER EXISTING WATER SERVICE IS ABANDONED. SEE NOTE 4.

PROPOSED SAN. SEWER



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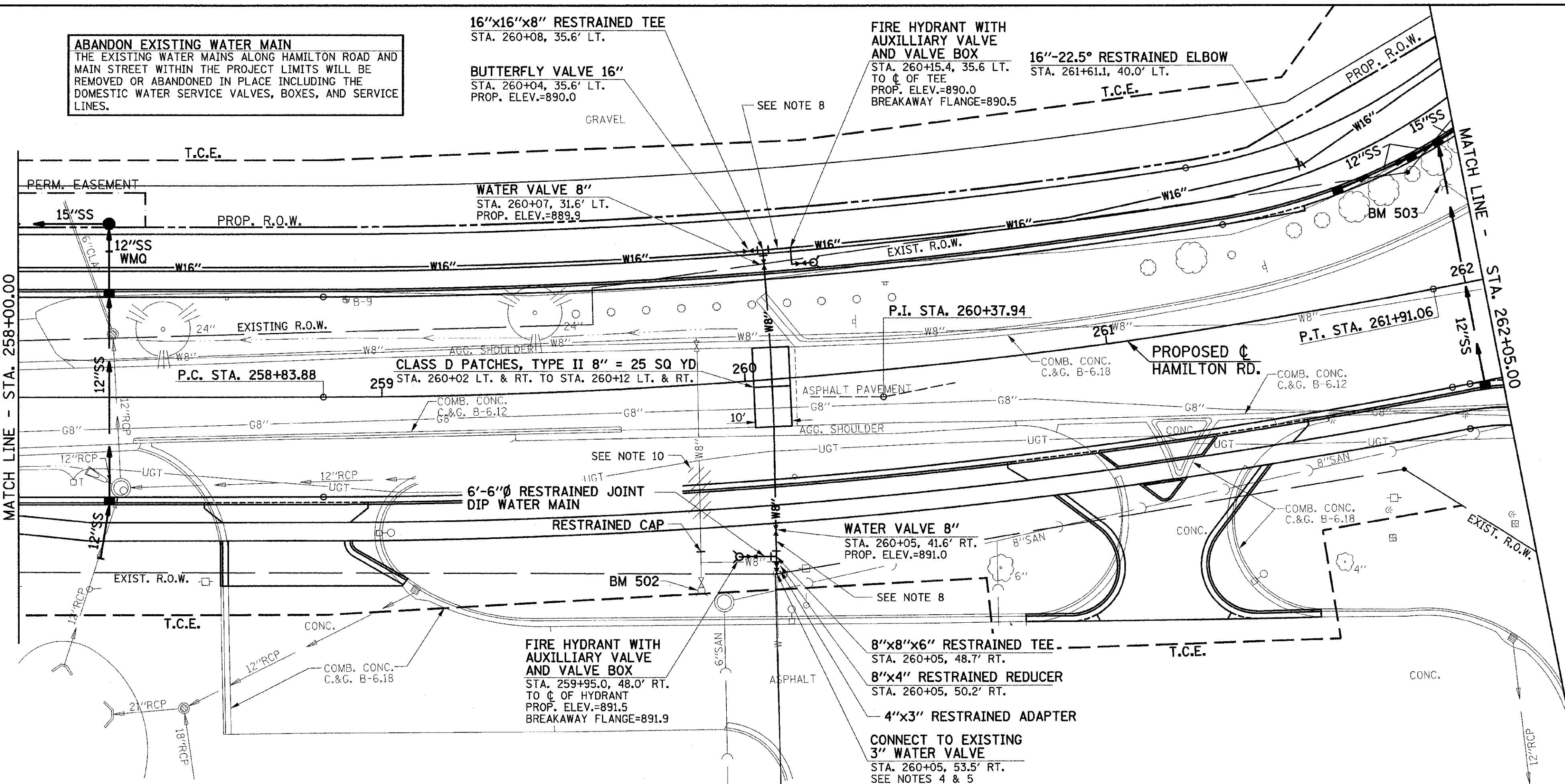
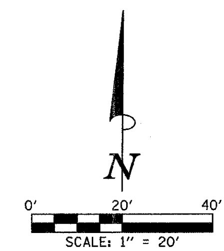
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	71
STA. 258+00.00	TO STA. 262+05.00			
		ILLINOIS	F.A. PROJ. NO. M-5227(046)	

CONTRACT NO. 91351

ABANDON EXISTING WATER MAIN
THE EXISTING WATER MAINS ALONG HAMILTON ROAD AND MAIN STREET WITHIN THE PROJECT LIMITS WILL BE REMOVED OR ABANDONED IN PLACE INCLUDING THE DOMESTIC WATER SERVICE VALVES, BOXES, AND SERVICE LINES.





THE PROPOSED ELEVATIONS SHOWN FOR THE FIRE HYDRANTS AND THE WATER VALVES ARE THE FINISHED GRADE SURFACE ELEVATION ADJACENT TO THE HYDRANT OR THE VALVE. THE HYDRANT BREAKAWAY FLANGE ELEVATION IS 4" TO 6" ABOVE THE GROUND ELEVATION.

*A MINIMUM OF 20 FEET OF RESTRAINED JOINT PIPE IS REQUIRED ON EACH SIDE OF 16" BUTTERFLY VALVES.

NOTES

1. ELEVATIONS ARE TOP OF PIPE FOR WATER MAIN.
2. IT WILL BE NECESSARY TO CONSTRUCT THE WATER MAIN IN VARIOUS STAGES. SEE THE TRAFFIC CONTROL AND MAINTENANCE OF TRAFFIC PLANS FOR STAGING PLAN.
3. ALL 16" BUTTERFLY VALVE OPERATORS SHALL BE PLACED ON SOUTH SIDE OF WATER MAIN TO AVOID PLACEMENT WITHIN THE PROPOSED BIKE TRAIL.
4. CONTRACTOR TO VERIFY DEPTH PRIOR TO CONSTRUCTION. WHEN CONNECTIONS ARE TO BE MADE TO EXISTING PIPING AND FITTINGS, THE LOCATION AND ELEVATION OF THE EXISTING PIPING SHALL BE FIELD DETERMINED AND THE APPROPRIATE ADJUSTMENTS MADE.
5. CONTRACTOR TO PROVIDE ALL PIPING & GASKETS, FITTINGS, AND HARDWARE NECESSARY TO CONNECT TO EXISTING WATER MAIN.
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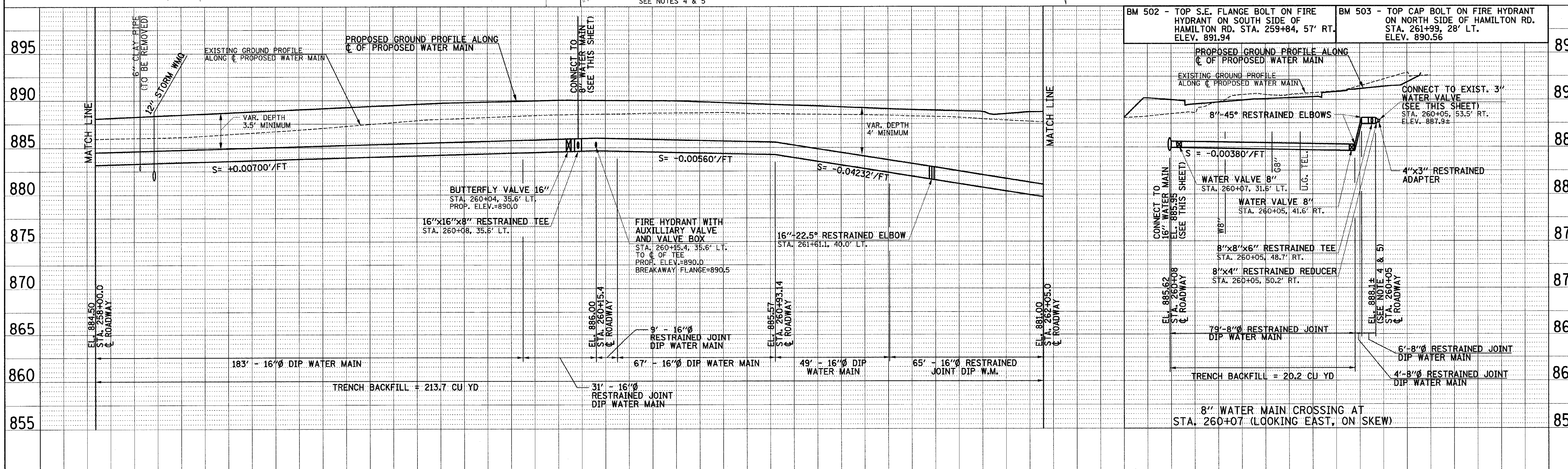
7. SEE THE REMOVAL/RELOCATION PLANS FOR THE VARIOUS PAY ITEMS TO BE ABANDONED, REMOVED, OR ADJUSTED.
8. CONTRACTOR TO PROVIDE FOR FLUSHING AND SAMPLING TAPS EVERY 1200 FEET AND AT EVERY CONNECTION.
9. PIPE SLOPES SHALL GOVERN UNLESS MINIMUM COVER SHOWN CANNOT BE MET.
10. REMOVE THE EXISTING 8" TEE AT STA. 259+85, 49' RT. INSTALL A RESTRAINED CAP AND ABANDON THE EXISTING 8" WATER MAIN NORTH OF THE EXISTING 8" TEE. THE EXISTING FIRE HYDRANT SHALL BE REMOVED AND BECOME THE PROPERTY OF HUCK'S. SEE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLAN.

BM 502 - TOP S.E. FLANGE BOLT ON FIRE HYDRANT ON SOUTH SIDE OF HAMILTON RD. STA. 259+84, 57' RT. ELEV. 891.94

BM 503 - TOP CAP BOLT ON FIRE HYDRANT ON NORTH SIDE OF HAMILTON RD. STA. 261+99, 28' LT. ELEV. 890.56



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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	72
STA. 262+05.00	TO STA. 502+00.00			
		ILLINOIS	F.A. PROJ. NO. M-5227(046)	

CONTRACT NO. 91351

ABANDON EXISTING WATER MAIN
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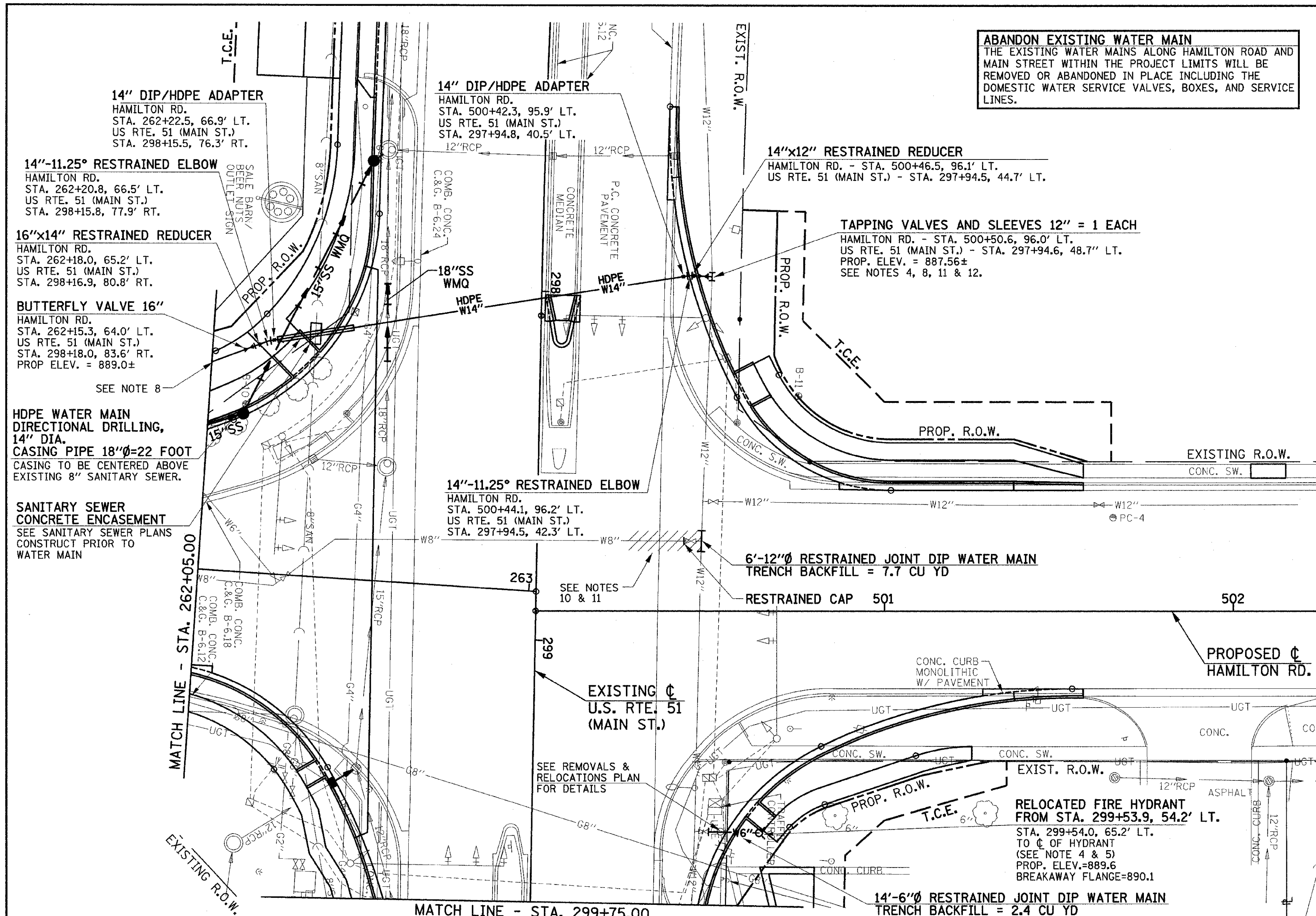
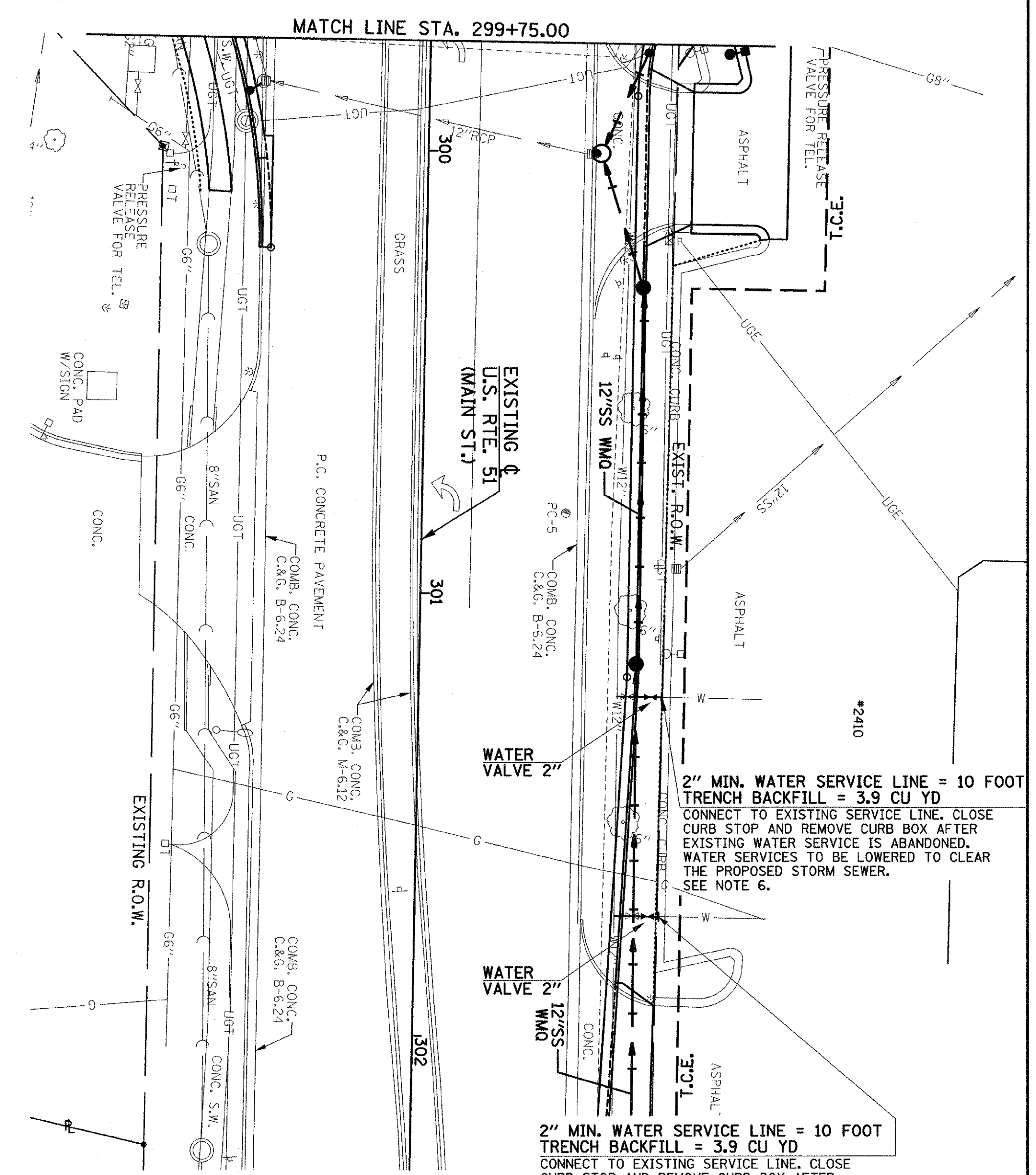
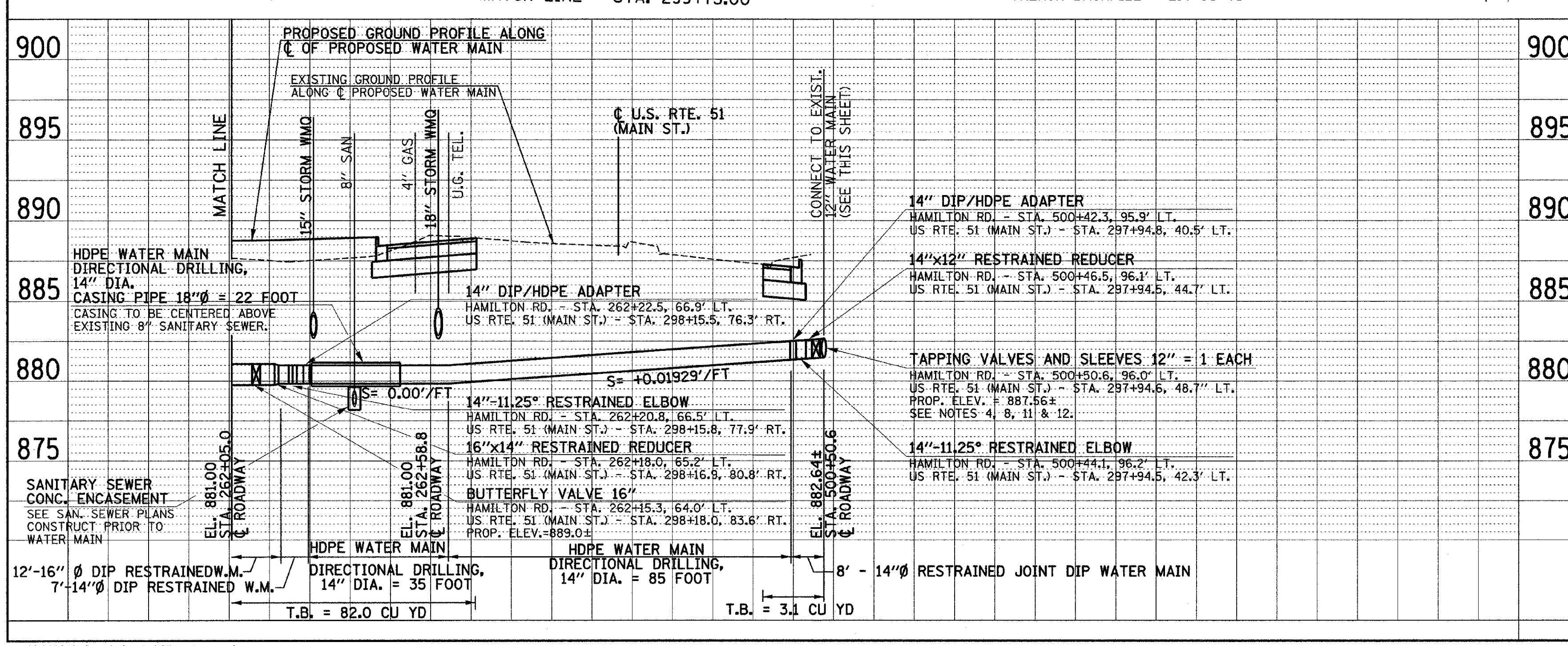
THE PROPOSED ELEVATIONS SHOWN FOR THE FIRE HYDRANTS AND THE WATER VALVES ARE THE FINISHED GRADE SURFACE ELEVATION ADJACENT TO THE HYDRANT OR THE VALVE. THE HYDRANT BREAKAWAY FLANGE ELEVATION IS 4" TO 6" ABOVE THE GROUND ELEVATION.

A MINIMUM OF 20 FEET OF RESTRAINED JOINT PIPE IS REQUIRED ON EACH SIDE OF 16" BUTTERFLY VALVES.



SCALE: 1" = 20'





NOTES

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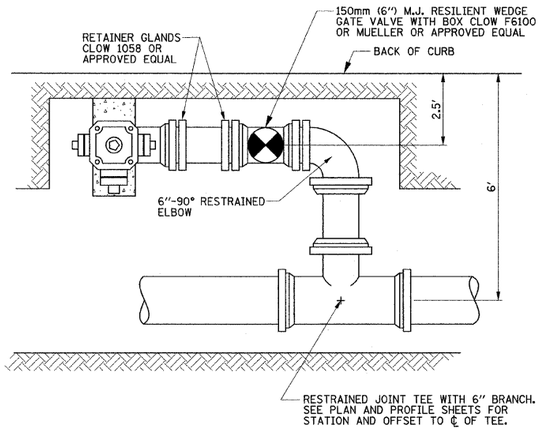
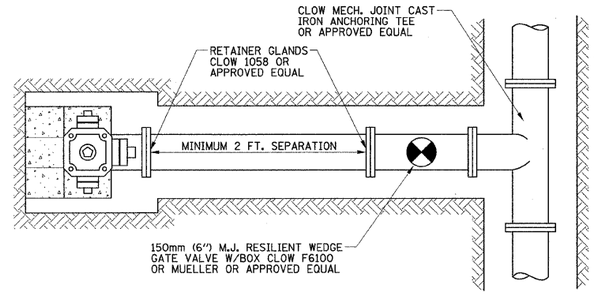
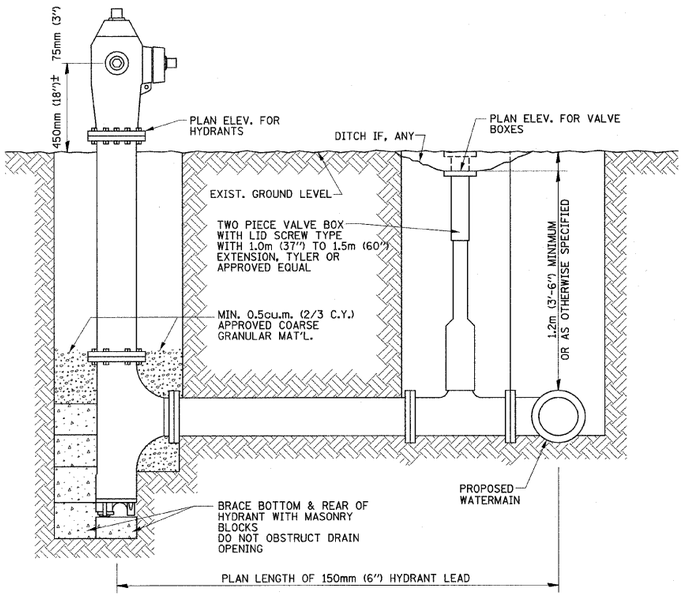
7. SEE THE REMOVAL/RELOCATION PLANS FOR THE VARIOUS PAY ITEMS TO BE ABANDONED, REMOVED, OR ADJUSTED.
8. CONTRACTOR TO PROVIDE FOR FLUSHING AND SAMPLING TAPS EVERY 1200 FEET AND AT EVERY CONNECTION.
9. PIPE SLOPES SHALL GOVERN UNLESS MINIMUM COVER SHOWN CANNOT BE MET.
10. REMOVE EXISTING 8" TAPPING VALVE AT STA. 500+44, 20' LT. AND INSTALL A RESTRAINED CAP. ABANDON EXISTING 8" WATER MAIN WEST OF STA. 500+44. REMOVE AND REPLACE 6 FEET OF EXISTING 12" WATER MAIN AT THE TAPPING VALVE LOCATION. SEE STAGE CONSTRUCTION AND MAINTENANCE OF TRAFFIC PLAN.
11. DOWN TIME FOR THE EXISTING 12" WATER MAIN SHALL BE LIMITED TO A MAXIMUM OF 4 HOURS. THE CONTRACTOR SHALL COORDINATE THE WORK WITH THE ENGINEER TO MINIMIZE THE INCONVENIENCE TO THE BUSINESSES BEING SERVED AND MAY REQUIRE DOING THE WORK AT NIGHT. NOTIFY THE ENGINEER AT LEAST TWO DAYS IN ADVANCE OF SHUTTING DOWN THE WATER MAIN.
12. CONNECT TO EXISTING 12" WATER MAIN BY SIDE-TAPPING AT STA. 500+50.6, 96.9' LT. (HAMILTON RD.), STA. 297+93.7, 48.7' LT. (US RTE. 51 - MAIN ST.) THE CITY OF BLOOMINGTON WATER DEPT. WILL MAKE THE TAP.



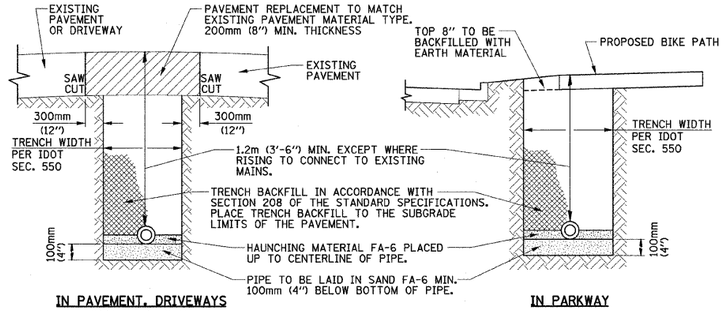
PARALLEL MOUNT HYDRANT INSTALLATION



TYPICAL HYDRANT INSTALLATION PLAN



TYPICAL HYDRANT INSTALLATION SECTION



PIPE COVER DETAILS

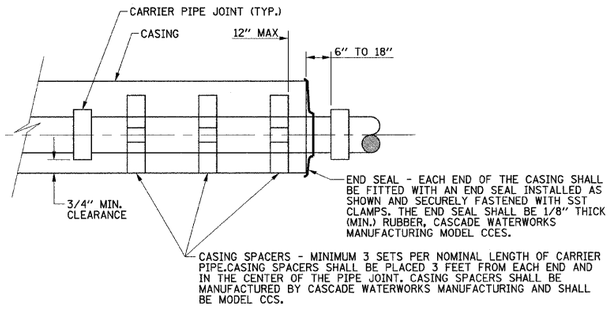
GENERAL NOTES:

1. THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", FIFTH EDITION, DATED MAY 1996 SHALL APPLY TO THIS WORK.
2. ALL WATERMAIN MATERIALS SHALL BE MANUFACTURED IN COUNTRIES SIGNATORY TO THE NORTH AMERICAN FREE TRADE AGREEMENT AND SHALL MEET OR EXCEED AWWA SPECIFICATIONS.
3. ALL FIRE HYDRANTS, VALVES, AND FITTINGS SHALL BE RESTRAINED.
4. A #12 THWN SINGLE STRAND ELECTRIC CABLE SUITABLE FOR DIRECT BURIAL SHALL BE INSTALLED ON ALL WATERMAIN. THE CABLE SHALL BE TAPED OR ATTACHED TO THE PIPE IN AN APPROVED MANNER DURING INSTALLATION AND PRIOR TO BACKFILLING. TWO FEET OF SLACK SHALL BE PROVIDED AT ALL VALVE BOXES AND FIRE HYDRANTS. THE SLACK SHALL BE WRAPPED AROUND THE VALVE BOX OR FIRE HYDRANT AT FINISHED GRADE.
5. ALL VERTICAL AND HORIZONTAL BENDS SHALL BE CONSTRUCTED WITH RESTRAINED JOINT PIPE.
6. TRENCH BACKFILL SHALL BE PLACED IN 8 INCH LIFTS, LOOSE MEASUREMENT AND COMPACTED BY MECHANICAL MEANS TO THE SATISFACTION OF THE ENGINEER.

CROSSING SPECIFICATIONS

	CARRIER PIPE	CASING PIPE
CONTENTS TO BE HANDLED	WATER	CARRIER PIPE
PIPE MATERIAL	HDPE	STEEL
PIPE CLASS OR GRADE	DR 11	B
ACTUAL WORKING PRESSURE	100 PSI	NONE
TYPE OF JOINT	BUTTFUSE	WELDED OR PUSH-ON JOINT
METHOD OF INSTALLATION	---	---
LINING - INTERIOR	---	AWWA C203 COAL TAR
LINING - EXTERIOR	---	30 MIL HEAVY DUTY COAL TAR
NOMINAL INSIDE DIAMETER - PIPE	14"	18"
OUTSIDE DIAMETER - JOINT	15.3"	---
PIPE WALL THICKNESS	1.391"	0.5" MIN.

1. CASING PIPE SHALL CONFORM TO ASTM A139, GRADE B, WITH 60,000 PSI MINIMUM TENSILE STRENGTH AND BE OF LEAKPROOF CONSTRUCTION.

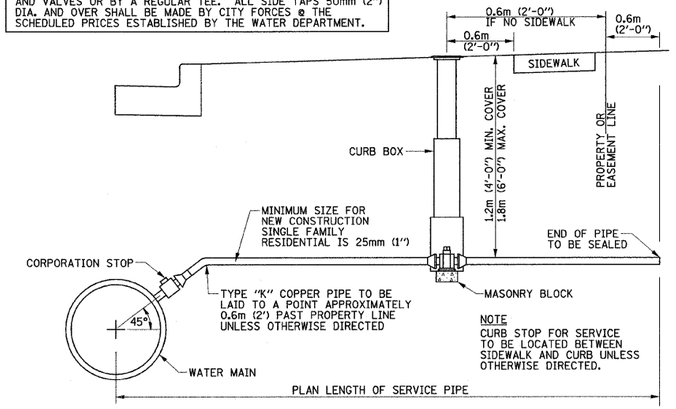


STEEL CASING PIPE DETAIL

PERMITTED TAP SIZES

TAP SIZE	MINIMUM SIZE OF WATERMAIN TO BE TAPPED
19mm (3/4 ")	100mm (4" DIA.)
25mm (1")	200mm (8")

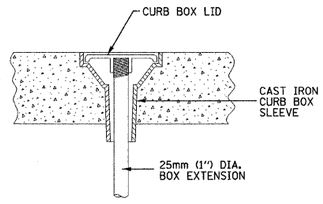
- 30mm (1 1/4") & OVER — A SPECIAL PERMIT IS NEEDED FROM THE WATER RESOURCES MANAGER
- 50mm (2") AND OVER MUST BE MADE BY SIDE TAP SLEEVES AND VALVES OR BY A REGULAR TEE. ALL SIDE TAPS 50mm (2") DIA. AND OVER SHALL BE MADE BY CITY FORCES ℄ THE SCHEDULED PRICES ESTABLISHED BY THE WATER DEPARTMENT.



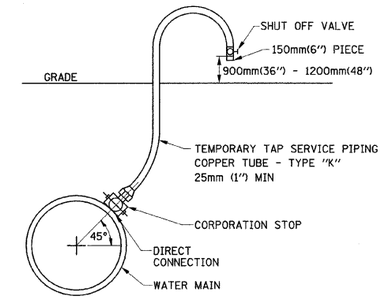
TYPICAL WATER SERVICE

SERVICE SIZE	• CORP. STOP	• CURB STOP	• CURB BOX
19mm (3/4 ") & 25mm (1")	MUELLER H-15000	MUELLER H-15200 or A.Y. McDONALD 4713	MUELLER H-10314 or A.Y. MCDONALD 5601
30mm (1 1/4")	MUELLER H-15000	MUELLER H-15200 or A.Y. McDONALD 6100	A.Y. MCDONALD 5603
35mm (1-1/2") & 50mm (2")	BALL VALVE: FORD, MUELLER OR A.Y. MCDONALD	BALL VALVE: FORD, MUELLER OR A.Y. MCDONALD	A.Y. MCDONALD 5603

• OR APPROVED EQUAL

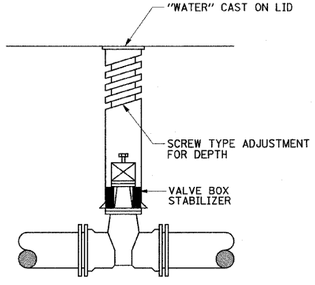


TYPICAL CURB BOX INSTALLATION IN SIDEWALK OR DRIVEWAY



NOTE
AT THE EXTREME ENDS OF THE PROPOSED NEW WATER MAIN OR AT LOCATIONS AS DIRECTED BY THE DIRECTOR OF ENGINEERING AND WATER, SAMPLING AND CHLORINATING TAPS SHALL BE INSTALLED BY THE CONTRACTOR. AFTER THE CHLORINATING, SAMPLING, AND TESTING IS APPROVED BY THE CITY OF BLOOMINGTON ENGINEERING AND WATER DEPARTMENT, THE CORPORATION STOP SHALL BE SHUT OFF AND THE PIPING REMOVED FROM THE CORPORATION STOP.

SAMPLING & CHLORINATION SERVICE PIPING TAP



NOTE
FULL LENGTHS OF RESTRAINED PIPE SHALL BE USED ON EACH SIDE OF ALL FITTINGS AND VALVES.

VALVE BOX INSTALLATION

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	73
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

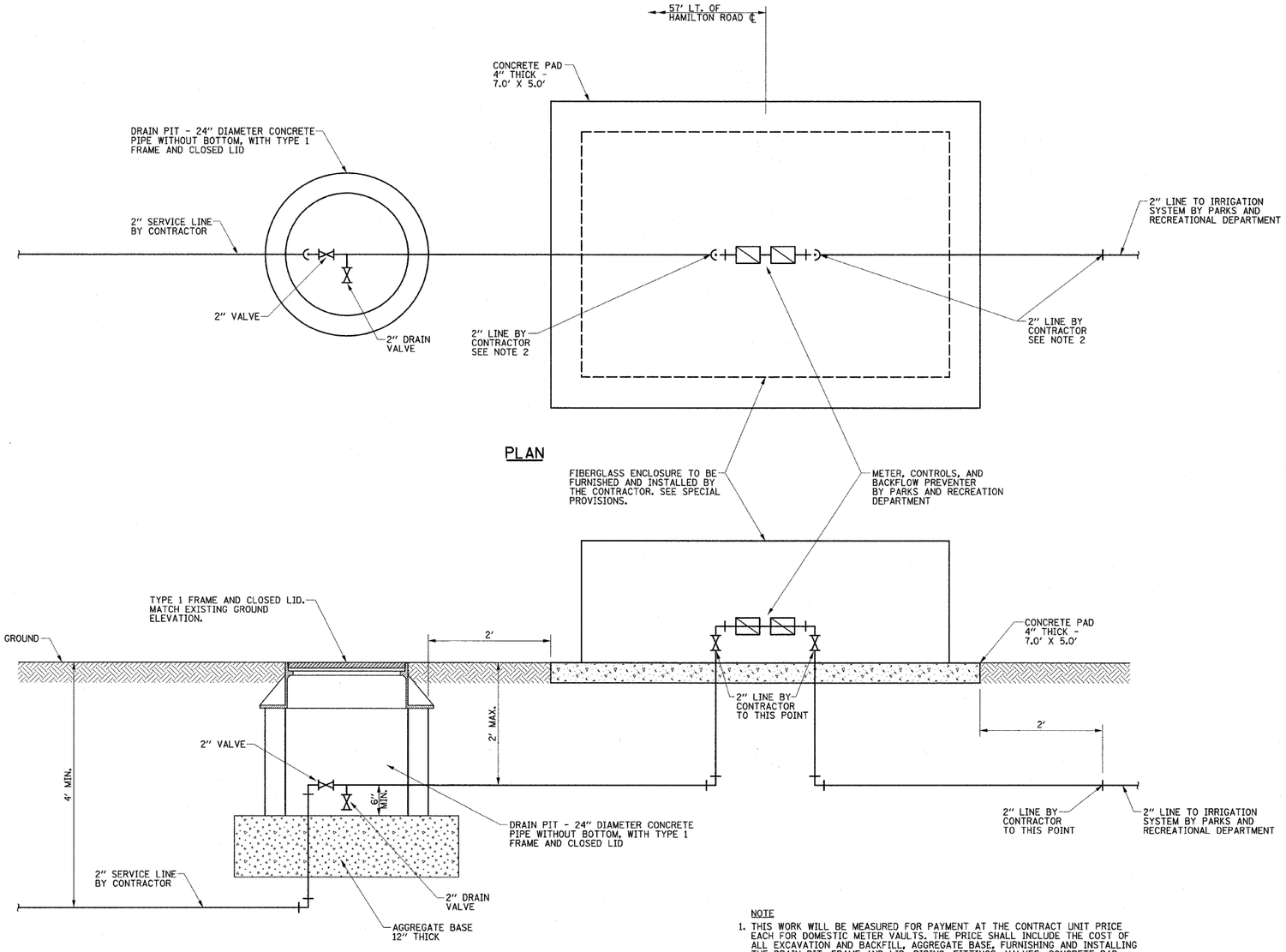
ILLINOIS DEPARTMENT OF TRANSPORTATION

WATER MAIN DETAILS

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : NONE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	74
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351



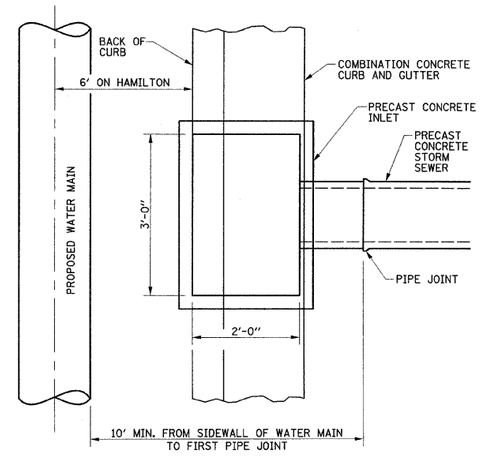
ELEVATION

DOMESTIC METER VAULT DETAIL

STA. 246+55 LT.

NOTE

1. THIS WORK WILL BE MEASURED FOR PAYMENT AT THE CONTRACT UNIT PRICE EACH FOR DOMESTIC METER VAULTS. THE PRICE SHALL INCLUDE THE COST OF ALL EXCAVATION AND BACKFILL, AGGREGATE BASE, FURNISHING AND INSTALLING THE DRAIN PIT, FRAME AND LID, PIPING, FITTINGS, VALVES, CONCRETE PAD, AND FIBERGLASS ENCLOSURE. THE METER, CONTROLS, AND BACKFLOW PREVENTER WILL BE PROVIDED AND INSTALLED BY THE CITY.
2. THE CONTRACTOR SHALL COORDINATE WITH THE CITY'S PARKS DEPARTMENT FOR THE LOCATION OF THE 2" WATER LINES THROUGH THE CONCRETE PAD.



WATER/SEWER SEPARATION DETAIL

NOTES

1. THIS DETAIL IS TO SATISFY THE REQUIREMENTS FOR WATER AND SEWER SEPARATION SO THAT NO STORM SEWER JOINTS ARE WITHIN THE 10 FOOT HORIZONTAL SEPARATION LIMITS.
2. THIS WORK WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCLUDED IN THE COST OF THE STORM SEWERS.

ILLINOIS DEPARTMENT OF TRANSPORTATION

WATER MAIN DETAILS

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.

SCALE : NONE

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	75
STA. 238+00.00	TO STA. 243+00.00			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

PLAN — SURVEYED / PLOTTED / GRADES CHECKED / ALIGNMENT CHECKED / NOTE BOOK / NO. / BY / DATE

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / ALIGNMENT CHECKED / STRUCTURE NO.&PTHS CHKD / BY / DATE

EXISTING MANHOLE, SANITARY
STA. 238+63.0, 48.0' LT.
RIM ELEV. = 880.30
I.E.W. = 868.31
I.E.E. = 868.43
I.E.N. = 868.41

CONNECT TO EXISTING 8" PIPE
STA. 239+09.0, 48.0' LT.
I.E. = 869.40
CONTRACTOR TO VERIFY PIPE MATERIAL, DIAMETER, AND ELEVATION. CONNECTION TO BE MADE WITH A SUITABLE COUPLING APPROVED BY THE ENGINEER.

MH #1
PROPOSED
MANHOLE, SANITARY
STA. 241+00.0, 48.0' LT.
RIM ELEV. = 886.85
I.E.W. = 873.45
I.E.E. = 874.45
I.E.S. = 875.40
I.E.N. = 873.55

PROPOSED SANITARY SEWER
TYPE 3 8" AT 0.40% = 5 FOOT
STUB FOR FUTURE CONNECTION. CAP OR PLUG TO SUSTAIN AIR TEST.

PROPOSED ROADWAY CONSTRUCTION
SEE PLAN AND PROFILE SHEETS FOR DETAILS.

PROPOSED SANITARY SEWER
TYPE 3 8" AT 0.40%
TRENCH BACKFILL = 325.4 CU YD

PROPOSED 8"x8"x6" TEE
STA. 242+75.0, 48.8' LT.
I.E. 8" SAN. = 875.16

PROPOSED 8"x8"x6" TEE
STA. 242+15.0, 47.4' LT.
I.E. 8" SAN. = 874.91

MH #3
PROPOSED
MANHOLE, SANITARY
STA. 242+95.0, 49.5' LT.
RIM ELEV. = 889.50
I.E.W. = 875.24
I.E.E. = 875.34

PROPOSED SANITARY SEWER
TYPE 3 8" AT 2.12%
T.B. = 299.0 CU YD

PROPOSED SANITARY SEWER
TYPE 3 6" AT 1.00%
TRENCH BACKFILL = 102.3 CU YD

PROPOSED ℄
HAMILTON RD.

PROPOSED
WATER MAIN

P.I. STA. 242+24.41

P.C. STA. 240+97.26

94°00'00" TO LOCAL TAN.

MATCH LINE - STA. 243+00.00

PROPOSED SANITARY SEWER
TYPE 3 6" AT 1.00% MIN. = 90 FOOT
TRENCH BACKFILL = 126.5 CU YD

PROPOSED SANITARY SEWER
TYPE 3 6" AT 1.00% MIN. = 89 FOOT
TRENCH BACKFILL = 126.5 CU YD

PLUG END
STA. 242+75.0, 41.0' RT.
I.E. = 876.14

PLUG END
STA. 242+15.0, 41.0' RT.
I.E. = 875.80

BEGIN IMPROVEMENTS
HAMILTON RD.
STA. 240+90.00

MATCH LINE - SEE THIS SHEET

CONNECT EXISTING SANITARY SEWER TO PROPOSED 6"SAN. SEWER SERVICE LINE WITH AN APPROVED COUPLING AS DIRECTED BY THE ENGINEER. SEE NOTE 2.

PROPOSED SANITARY SEWER
TYPE 3 6" AT 1.00% MIN.
= 270 FOOT
CONNECT EXISTING SANITARY SEWER TO PROPOSED 6" SAN. SEWER SERVICE LINE WITH AN APPROVED COUPLING AS DIRECTED BY THE ENGINEER. SEE NOTES 1 & 2.

EXISTING SEPTIC TANK TO BE REMOVED. OUTLET PIPE TO BE PLUGGED AND ABANDONED. SEE NOTE 1.

SERVICE LINE FROM GOLF COURSE CLUB HOUSE

MATCH LINE - SEE THIS SHEET

1000 GALLON SEPTIC TYE TANK

1600 GA SEPTIC TANK

NOTES
1. THE EXISTING SEPTIC SYSTEM SHALL REMAIN IN SERVICE UNTIL SUCH TIME THAT THE NEW SANITARY SEWER SYSTEM HAS BEEN CONSTRUCTED AND PUT INTO SERVICE. THE EXISTING SANITARY SERVICE LINE SHALL THEN BE CONNECTED TO THE NEW SERVICE LINE AND THE SEPTIC TANK REMOVED. LEACH FIELD PIPING SHALL BE ABANDONED AND PLUGGED. THE EXCAVATION SHALL BE BACKFILLED WITH EARTH MATERIAL AND COMPACTED IN 8" LIFTS. SEE THE REMOVALS/RELOCATIONS PLANS FOR ADDITIONAL INFORMATION.
2. EXISTING SANITARY SEWER SERVICE LOCATION, DEPTH, AND SIZE TO BE DETERMINED BY CONTRACTOR DURING CONSTRUCTION AND PRIOR TO CONSTRUCTING PROPOSED 6"SAN. SEWER SERVICE. THE ENGINEER WILL DETERMINE THE EXACT POINT OF CONNECTION TO THE EXISTING SEWER SERVICE AND THE SLOPE OF THE PROPOSED SEWER SERVICE.

SEE SCHEDULE OF QUANTITIES FOR ADDITIONAL INFORMATION.

SEE SANITARY SEWER DETAILS FOR ADDITIONAL INFORMATION.

EXISTING GROUND PROFILE ALONG CENTERLINE OF PROPOSED SANITARY SEWER

PROPOSED GROUND PROFILE ALONG CENTERLINE OF PROPOSED SANITARY SEWER

EXISTING MANHOLE
STA. 238+63.0, 48.0' LT.

EXIST. 8" SAN.

EXISTING 8" WATER MAIN

CONNECT TO EXISTING 8" PIPE
STA. 239+09.0, 48.0' LT.
I.E. = 869.40
FIELD VERIFY LOCATION AND ELEVATION.

PROP. 8" SAN 191 L.F. @ 2.12%

PROP. 8" SAN. 198 L.F. @ 0.40%

TRENCH BACKFILL

TRENCH BACKFILL

PROP. 8"x8"x6" TEE

PROP. 8"x8"x6" TEE

MH #1

MH #3

900 / 895 / 890 / 885 / 880 / 875 / 870 / 865 / 860

238+00 / 238+50 / 239+00 / 239+50 / 240+00 / 240+50 / +90 241+00 / 241+50 / 242+00 / 242+50 / 243+00

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	76
STA. 243+00.00		TO STA. 248+00.00		
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

PLAN — SURVEYED — DRAWN — PLOTTED — ALIGNMENT CHECKED — R.O.W. CHECKED — CADD FILE NAME — NOTE BOOK — NO. — BY — DATE

MATCH LINE - STA. 243+00.00

P.T. STA. 243+51.42

PROPOSED SANITARY SEWER
TYPE 3 8" AT 0.40%
TRENCH BACKFILL = 439.9 CU YD

TEMPORARY CONSTRUCTION EASEMENT

PERM. EASEMENT

PROP. R.O.W.

MH #4
PROPOSED
MANHOLE, SANITARY
STA. 245+37.0, 48' LT.
RIM ELEV. = 890.90
I.E.W. = 876.31
I.E.S. = 876.41

PROPOSED
WATER MAIN

PROPOSED SANITARY SEWER
TYPE 3 8" AT 0.40%
TRENCH BACKFILL = 137.4 CU YD

EXISTING R.O.W.

CROP LINE

ASPHALT PAVEMENT

AGG. SHOULDER

SOCCER FIELD

TEMPORARY CONSTRUCTION EASEMENT

PROPOSED ROADWAY CONSTRUCTION
SEE PLAN AND PROFILE SHEETS FOR
DETAILS.

PROP. R.O.W.

P.E.

IRRIGATION CONTROLLER

WELL

BM 408

PROPOSED 8"x8"x6" TEE
STA. 247+75.0, 40.0' RT.
I.E. 8" SAN. = 877.81

PROPOSED ℄
HAMILTON RD.

EXISTING R.O.W.

PERM. EASEMENT

MATCH LINE - STA. 248+00.00

N

0' 20' 40'
SCALE: 1" = 20'

PROPOSED SANITARY SEWER
TYPE 3 6" AT 1.00% MIN. = 10 FOOT

PLUG END
STA. 247+75.0, 50.0' RT.
I.E. = 877.99

PROPOSED SANITARY SEWER
TYPE 3 8" AT 0.40%
TRENCH BACKFILL = 494.9 CU YD

SEE SCHEDULE OF QUANTITIES FOR ADDITIONAL INFORMATION.

SEE SANITARY SEWER DETAILS FOR ADDITIONAL INFORMATION.

MH #5
PROPOSED
MANHOLE, SANITARY
STA. 245+37.0, 40.0' RT.
RIM ELEV. = 890.80
I.E.N. = 876.76
I.E.E. = 876.86
I.E.SW. = 877.00
I.E.SE. = 877.00

PROPOSED SANITARY SEWER,
TYPE 3 6" AT 1.00% MIN. = 10 FOOT
STUB FOR FUTURE CONNECTION, CAP
OR PLUG TO SUSTAIN AIR TEST

PROPOSED SANITARY SEWER,
TYPE 3 6" AT 1.00% MIN. = 10 FOOT
STUB FOR FUTURE CONNECTION, CAP
OR PLUG TO SUSTAIN AIR TEST

T.C.E.

T.C.E.

#408

#406

#404

PROFILE — SURVEYED — PLOTTED — DRAWN — BENCHMARKS CHECKED — B.M. NOTED — STRUCTURE NOTATIONS CHKD — NOTE BOOK — NO. — BY — DATE

BM 408 - TOP CAP BOLT ON FIRE HYDRANT
ON NORTH SIDE OF HAMILTON RD.
STA. 246+53, 8' RT.
ELEV. 894.11

EXISTING GROUND PROFILE
ALONG CENTERLINE OF
PROPOSED SANITARY SEWER

PROPOSED GROUND PROFILE
ALONG CENTERLINE OF
PROPOSED SANITARY SEWER

MH #4

MH #5

PROP. 8" SAN. 243 L.F. @ 0.40%

TRENCH
BACKFILL

SEE PROFILE
MH #4 TO MH #5
(ON THIS SHEET)

TRENCH
BACKFILL

PROP. 8" SAN. 278 L.F. @ 0.40%

PROP. 8"x8"x6" TEE

GAS SERVICE

WATER SERVICE

U.G. TEL.

WATER SERVICE

GAS SERVICE

ABANDONED 8" WATER MAIN
CONTRACTOR TO
VERIFY DEPTH

MH #4

MH #5

GAS SERVICE

U.G. TEL.

PROP. 16"W.M.

PROP. 8" SAN.
88 L.F. @ 0.40%

TRENCH
BACKFILL

PROP. 6" SAN SEWER
10 L.F. @ 1.00% MIN.

895	895
890	890
885	885
880	880
875	875
870	870
865	865
860	860
855	855

243+00 243+50 244+00 244+50 245+00 245+50 246+00 246+50 247+00 247+50 248+00

SANITARY SEWER PROFILE
MANHOLE NO. 4 TO MANHOLE NO. 5

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	77
STA. 248+00.00	TO STA. 253+00.00			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

N

0' 20' 40'

SCALE: 1" = 20'

SOCCER FIELD

SOCCER FIELD

TEMP. CONST. EASEMENT

PROPOSED ROADWAY CONSTRUCTION SEE PLAN AND PROFILE SHEETS FOR DETAILS.

GRAVEL

PERM. EASEMENT

PERM. EASEMENT

PROP. R.O.W.

PROP. R.O.W.

MATCH LINE - STA. 248+00.00

MATCH LINE - STA. 253+00.00

W16" IRRW W16" IRRW W16" 2 1/2" IRRW W16" IRRW W16" IRRW W16" 2 1/2" IRRW W16" IRRW W16" W16"

6" 4" SALE BARN FIELDS SIGN

12"SS

PROPOSED 8"x8"x6" TEE
STA. 250+10.0, 36.3' RT.
I.E. 8" SAN. = 878.85

P.C. STA. 250+28.93

PROPOSED WATER MAIN

P.I. STA. 251+59.84

BM 500 252

B-4 249 250 B-5 251 B-6

EXISTING R.O.W.

EXISTING R.O.W.

W8" W8" W8" W8" W8" W8" AGG. SHOULDER W8" W8" W8"

ASPHALT PAVEMENT

PROPOSED SANITARY SEWER
TYPE 3 8" AT 0.40%
TRENCH BACKFILL = 427.6 CU YD

PROPOSED SANITARY SEWER
TYPE 2 6" AT 1.00% MIN. = 12 FOOT
TRENCH BACKFILL = 6.9 CU YD

PROPOSED ℄ HAMILTON RD.

P.T. STA. 252+90.73

12"SS

12"CMP

C8" UGT C8" UGT C8" UGT C8" UGT C8" UGT C8" UGT C8" UGT C8" UGT C8" UGT C8" UGT C8" UGT C8" UGT

12"SS

P.E.

EXISTING R.O.W.

PERM. EASEMENT

TEMP. CONST. EASEMENT

MH #6
PROPOSED
MANHOLE, SANITARY
STA. 248+15.0, 40.0' RT.
RIM ELEV. = 890.26
I.E.E. = 878.07
I.E.W. = 877.97

PROPOSED SANITARY SEWER
TYPE 2 6" AT 1.00% MIN. = 10 FOOT
TEMP. CONST. EASEMENT

PLUG END
STA. 250+10.0, 46.3' RT.
I.E. = 879.03

PLUG END
STA. 251+15.0, 46.0' RT.
I.E. = 879.47

MH #7
PROPOSED
MANHOLE, SANITARY
STA. 251+15.0, 34.0' RT.
RIM ELEV. = 888.36
I.E.W. = 879.27
I.E.E. = 879.37
I.E.S. = 879.37

TEMP. CONST. EASEMENT

ASPHALT
PROPOSED SANITARY SEWER
TYPE 2 8" AT 0.40%
TRENCH BACKFILL
= 308.4 CU YD

BASKETBALL POLE

#402 #304 #302

EXISTING R.O.W. EXISTING R.O.W. EXISTING R.O.W. EXISTING R.O.W.

BRICK CONC. COMB. CONC. C.&G. B-6.18 DICKERSON DR. ASPHALT PAVEMENT ASPHALT

SEEPAGE FIELD

COMB. CONC. C.&G. B-6.18 RODGERS RD. ASPHALT PAVEMENT

SEE SCHEDULE OF QUANTITIES FOR ADDITIONAL INFORMATION.

SEE SANITARY SEWER DETAILS FOR ADDITIONAL INFORMATION.

BM 500 - TOP N.W. FLANGE BOLT ON FIRE HYDRANT ON NORTH SIDE OF HAMILTON RD. STA. 251+77, 4' RT. ELEV. 889.70

PLAN
DATE
BY
SURVEYED
PLOTTED
PLANS CHECKED
R/W CHECKED
NOTE BOOK
NO.
8"
ALIGNMENT
ST. OF WAY
PLT NAME

PROFILE
DATE
BY
SURVEYED
PLOTTED
PLANS CHECKED
B.M. NOTED
STRUCTURE INITIATING CPFD
NOTE BOOK
NO.

EXISTING GROUND PROFILE ALONG CENTERLINE OF PROPOSED SANITARY SEWER

PROPOSED GROUND PROFILE ALONG CENTERLINE OF PROPOSED SANITARY SEWER

MH #6

MH #7

WATER SERVICE

GAS SERVICE

GAS SERVICE

WATER SERVICE

12" CMP

TRENCH BACKFILL

PROPOSED 12" SS

PROP. 8" SAN. 300 L.F. @ 0.40%

PROP. 8"x8"x6" TEE

PROPOSED 12" SS

TRENCH BACKFILL

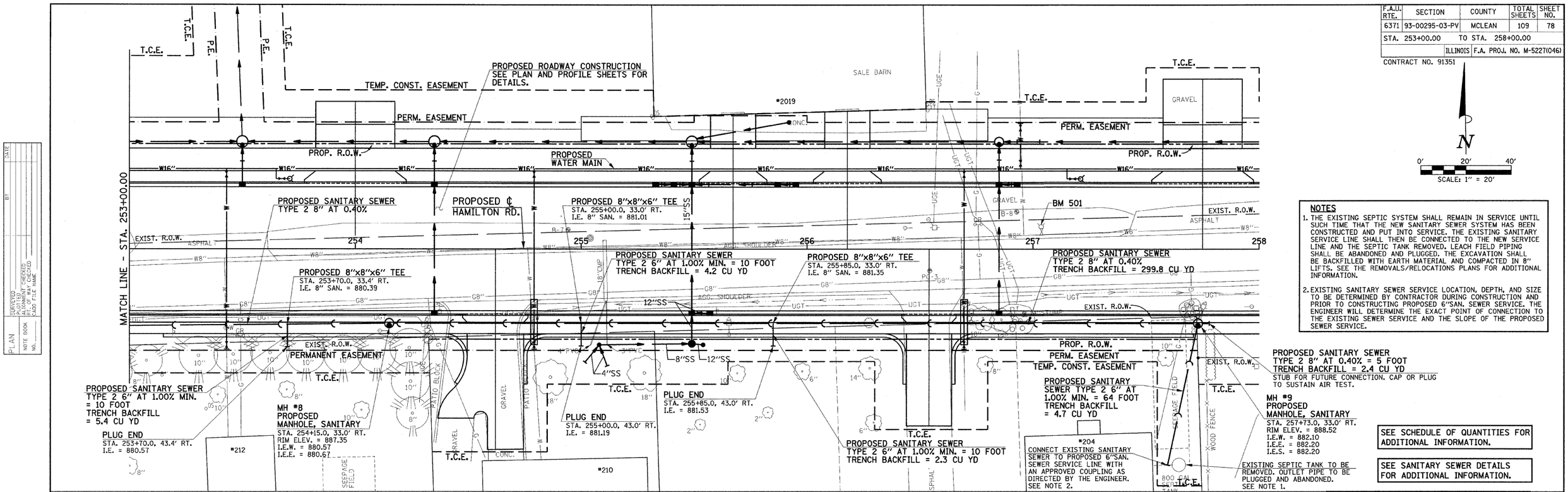
PROP. 8" SAN. 300 L.F. @ 0.40%

895 890 885 880 875 870 865 860 855

248+00 248+50 249+00 249+50 250+00 250+50 251+00 251+50 252+00 252+50 253+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	78
STA. 253+00.00	TO STA. 258+00.00			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

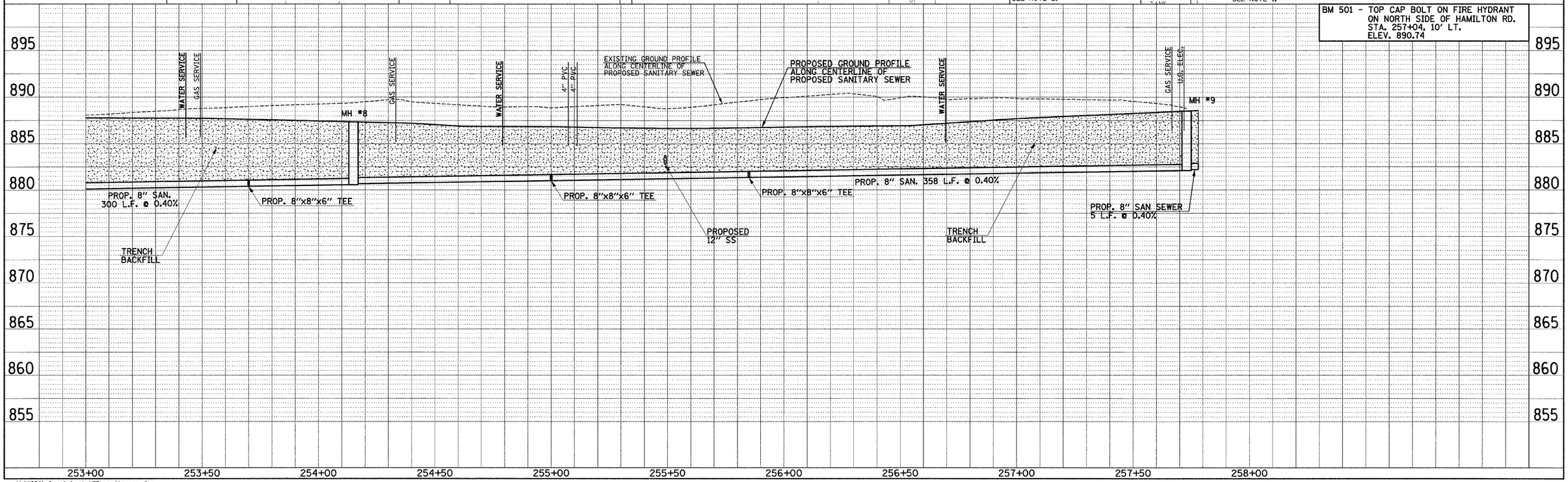
CONTRACT NO. 91351



NOTES

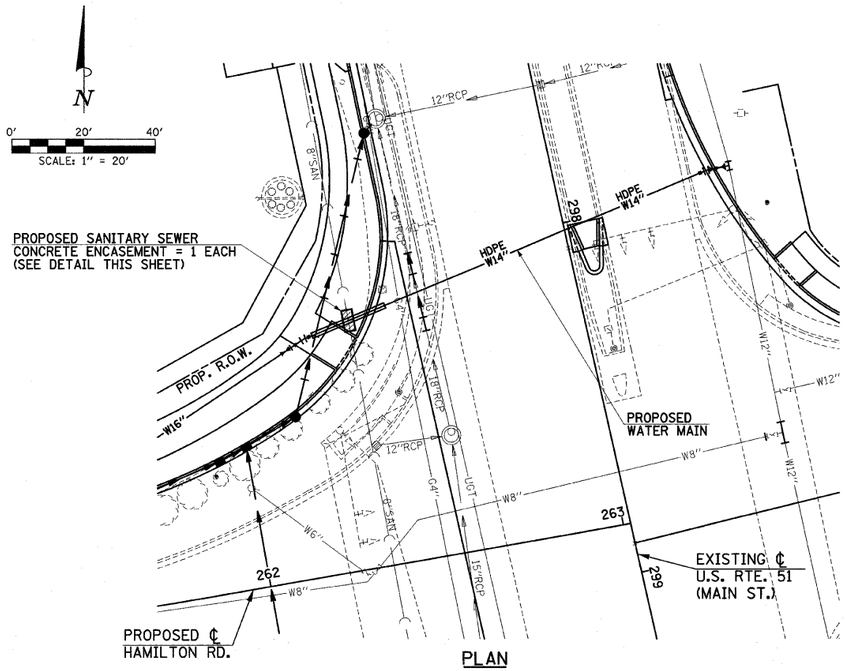
1. THE EXISTING SEPTIC SYSTEM SHALL REMAIN IN SERVICE UNTIL SUCH TIME THAT THE NEW SANITARY SEWER SYSTEM HAS BEEN CONSTRUCTED AND PUT INTO SERVICE. THE EXISTING SANITARY SERVICE LINE SHALL THEN BE CONNECTED TO THE NEW SERVICE LINE AND THE SEPTIC TANK REMOVED. LEACH FIELD PIPING SHALL BE ABANDONED AND PLUGGED. THE EXCAVATION SHALL BE BACKFILLED WITH EARTH MATERIAL AND COMPACTED IN 8" LIFTS. SEE THE REMOVALS/RELOCATIONS PLANS FOR ADDITIONAL INFORMATION.
2. EXISTING SANITARY SEWER SERVICE LOCATION, DEPTH, AND SIZE TO BE DETERMINED BY CONTRACTOR DURING CONSTRUCTION AND PRIOR TO CONSTRUCTING PROPOSED 6"SAN. SEWER SERVICE. THE ENGINEER WILL DETERMINE THE EXACT POINT OF CONNECTION TO THE EXISTING SEWER SERVICE AND THE SLOPE OF THE PROPOSED SEWER SERVICE.

BM 501 - TOP CAP BOLT ON FIRE HYDRANT ON NORTH SIDE OF HAMILTON RD. STA. 257+04, 10' LT. ELEV. 890.74



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	79
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

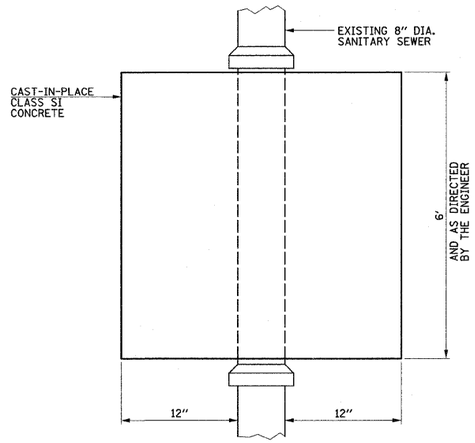


PLAN

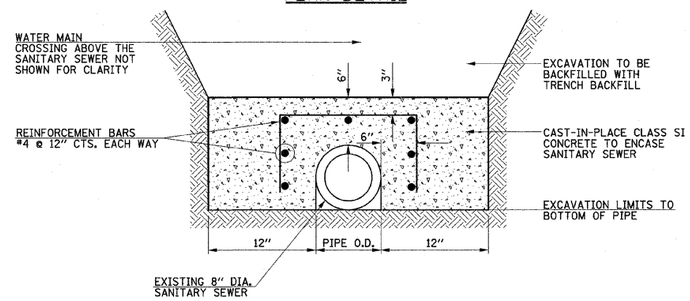
HAMILTON RD. & MAIN ST.

NOTES

1. THE CONCRETE ENCASEMENT SHALL BE CONSTRUCTED PRIOR TO INSTALLING THE STORM SEWER PIPE AND WATER MAIN TO TO PREVENT DAMAGE OF COLLAPSING THE SANITARY SEWER.
2. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS AND THE METHOD OF PAYMENT.

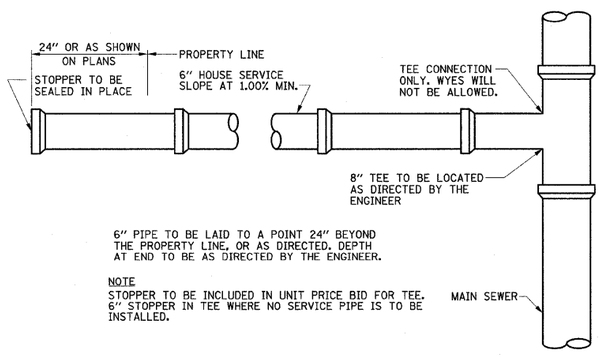


PLAN DETAIL

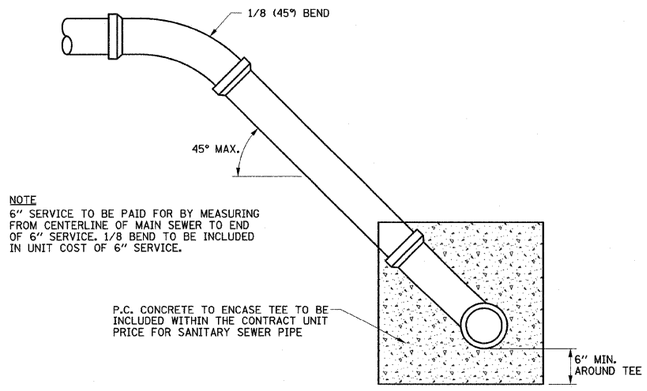


SECTION

SANITARY SEWER ENCASEMENT DETAIL



TYPICAL HOUSE SERVICE



TYPICAL CONNECTION OVER 12' DEEP

ILLINOIS DEPARTMENT OF TRANSPORTATION

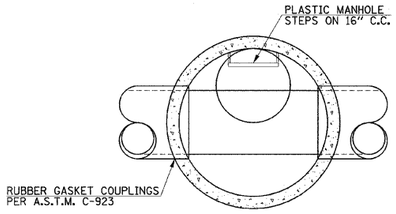
SANITARY SEWER DETAILS

SCALE : NONE

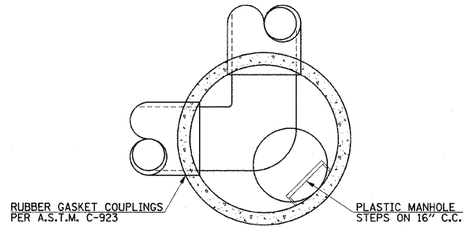
DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	80
STA.		TO STA.		
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

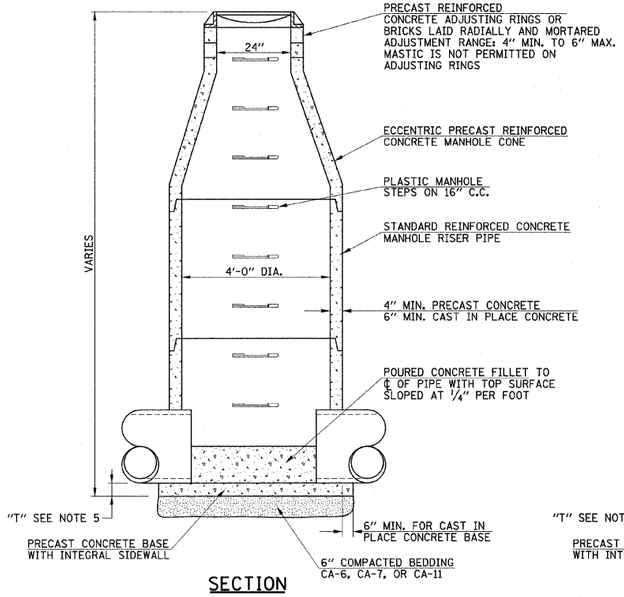
CONTRACT NO. 91351



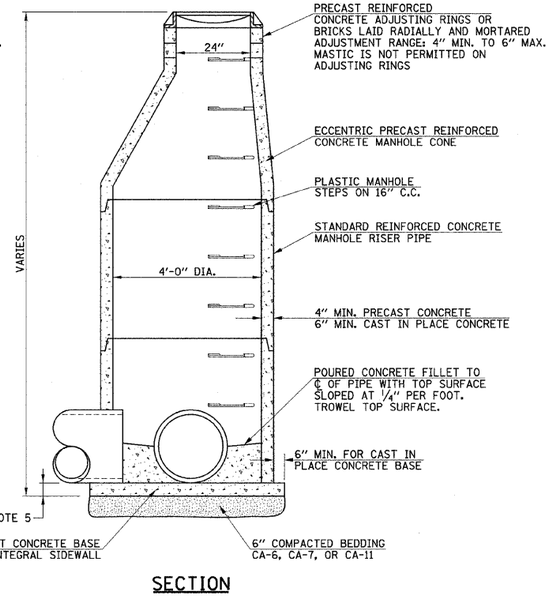
PLAN



PLAN



SECTION

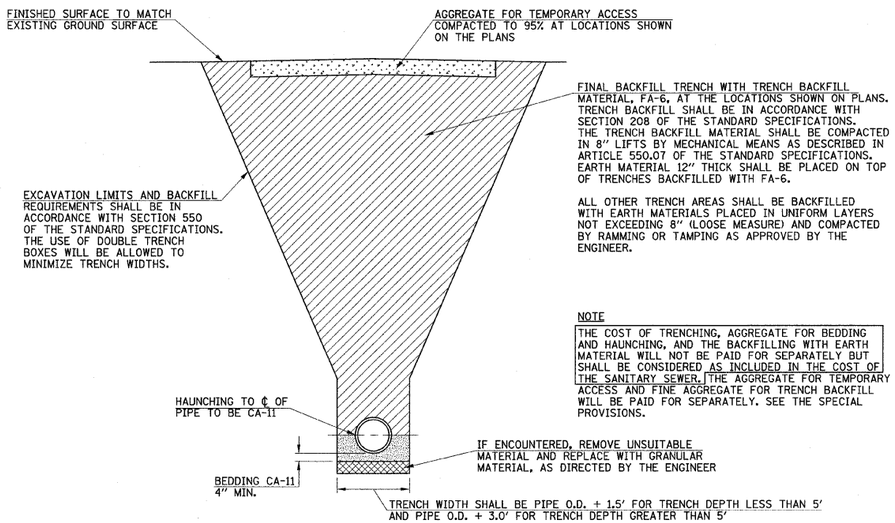


SECTION

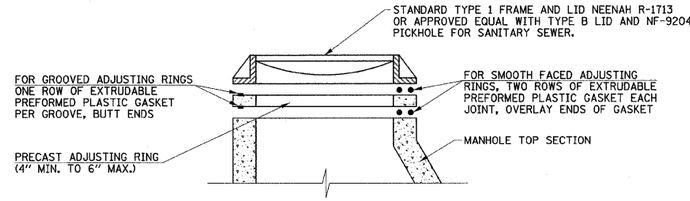
NOTES:
1. ALTERNATE MANHOLE BOTTOM, CAST IN PLACE CONCRETE BASE.
2. VERTICAL ADJUSTMENTS TO THE FRAME AND LID SHALL BE MADE WITH ADDITIONAL MORTAR TO PROVIDE A SMOOTH TRANSITION BETWEEN THE CASTING AND ADJUSTING RING. (OR TOP OF STRUCTURE)
3. THE JOINTS BETWEEN SECTIONS SHALL CONFORM TO A.S.T.M. C-443 FOR RUBBER GASKETS. BITUMINOUS MASTIC IS NOT PERMITTED.
4. APPLY A CONTINUOUS LAYER OF NON-SHRINK GROUT TO EACH JOINT OF MANHOLE SECTIONS.
5. WHEN MANHOLE DEPTH IS 12' OR LESS, T=8". WHEN MANHOLE DEPTH EXCEEDS 12', T=10".
6. MANHOLE CASTINGS SHALL BE PLACED OPPOSITE 90° BEND IN INTERCEPTOR, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
7. CHIMNEY SEALS SHALL BE UTILIZED.

TYPICAL SANITARY MANHOLE

TYPICAL 90° BEND SANITARY MANHOLE



TYPICAL TRENCH SECTION



CASTING AND ADJUSTMENT RING INSTALLATION

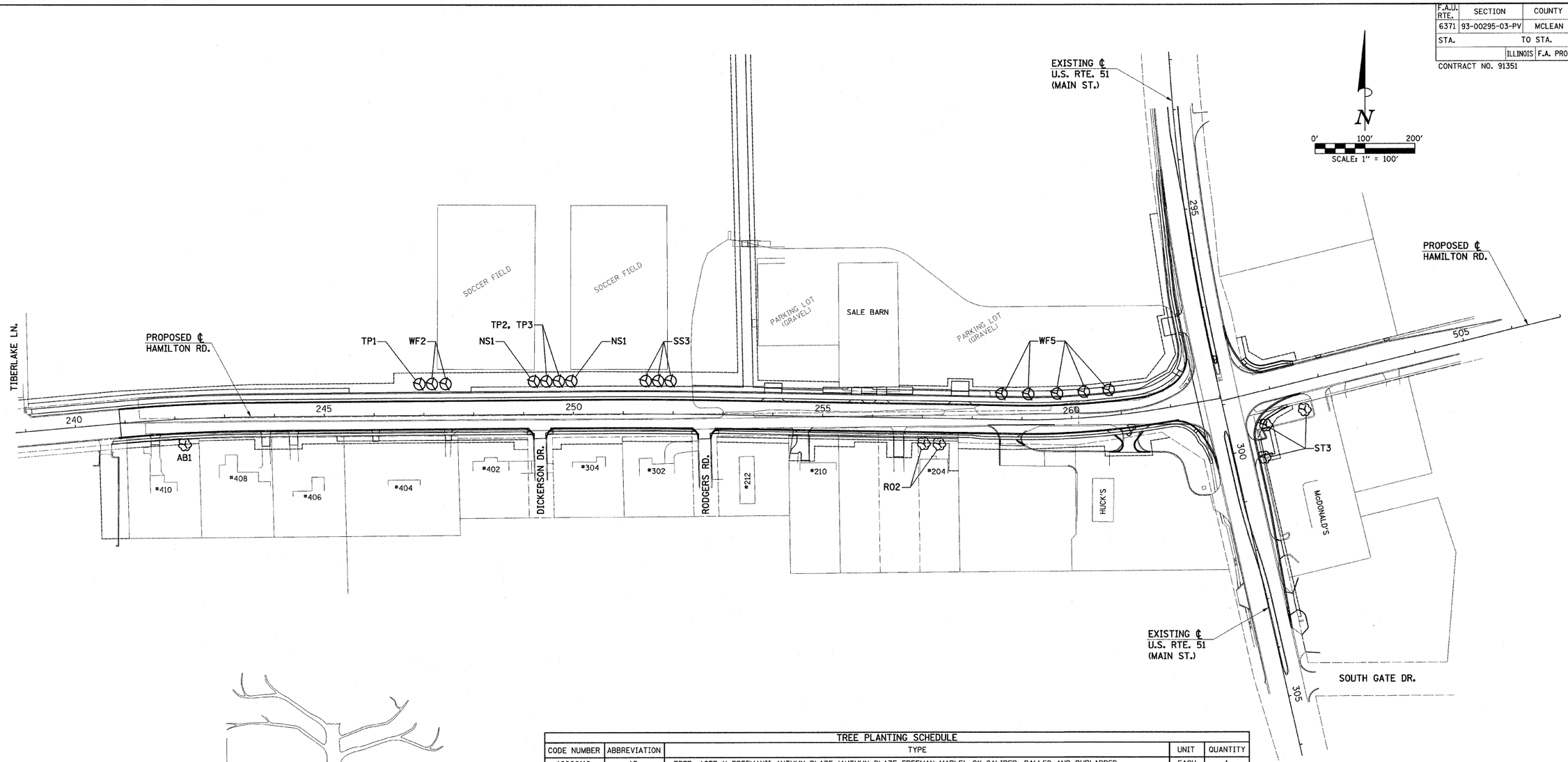
ILLINOIS DEPARTMENT OF TRANSPORTATION

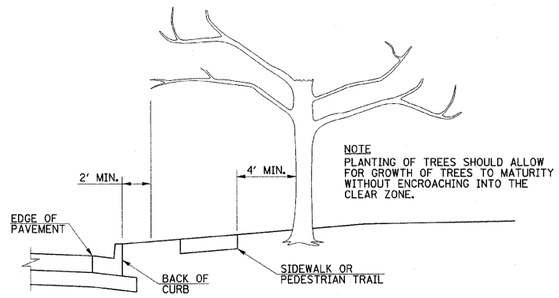
SANITARY SEWER DETAILS

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : NONE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	81
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351





MINIMUM CLEAR ZONE FOR CURBED PAVEMENTS
NO SCALE

TREE PLANTING SCHEDULE				
CODE NUMBER	ABBREVIATION	TYPE	UNIT	QUANTITY
A2000116	AB	TREE, ACER X FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	1
A2007116	RO	TREE, QUERCUS RUBRA (RED OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	2
B2005216	ST	TREE, MALUS SUTYZAM (SUGAR TYME CRAB APPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	3
D2000148	WF	EVERGREEN, ABIES CONCOLOR (WHITE FIR), 4' HEIGHT, BALLED AND BURLAPPED	EACH	7
D2001748	NS	EVERGREEN, PICEA ABIES (NORWAY SPRUCE), 4' HEIGHT, BALLED AND BURLAPPED	EACH	2
D2002048	SS	EVERGREEN, PICEA OMORIKA (SERBIAN SPRUCE), 4' HEIGHT, BALLED AND BURLAPPED	EACH	3

NOTES
1. THE LANDSCAPE ARCHITECT, RICHARD McMULLEN (217) 465-4181, FOR I.D.O.T. DISTRICT NO. 5 SHOULD BE CONTACTED PRIOR TO ORDERING ANY LANDSCAPE ITEMS SHOWN ON THIS PLAN.
2. THE LOCATIONS OF THE TREES SHOWN ON THE PLANS ARE APPROXIMATE. THE EXACT LOCATIONS FOR PLANTING THE TREES WILL BE ESTABLISHED BY THE ENGINEER AND/OR THE LANDSCAPE ARCHITECT FOR I.D.O.T. DISTRICT NO. 5 DURING CONSTRUCTION.
3. THE TREES SHOULD BE PLANTED IN LOCATIONS SO THAT THEY WILL NOT OBSTRUCT SIGHT LINES AT INTERSECTIONS OR ENCROACH ON CLEAR ZONES. THE TREES SHOULD NOT BE PLANTED DIRECTLY UNDER OVERHEAD UTILITY LINES OR DIRECTLY OVER UNDERGROUND UTILITY FACILITIES.
4. THE TREE PLANTING SHALL BE IN ACCORDANCE WITH SECTION 253 OF THE STANDARD SPECIFICATIONS.
5. SEE THE REMOVAL AND RELOCATION PLANS FOR LOCATIONS OF EXISTING TREES THAT ARE TO BE SALVAGED AND TRANSPLANTED.

LEGEND
- PROPOSED DECIDUOUS TREE
- PROPOSED CONIFEROUS TREE
- AB1 – INDICATES ABBREVIATION FOR TREE NAME AND NUMBER OF TREES
- TP3 – INDICATES DECIDUOUS TREE TO BE TRANSPLANTED WITH ABBREVIATION
- TP1 – INDICATES CONIFEROUS TREE TO BE TRANSPLANTED WITH ABBREVIATION

ILLINOIS DEPARTMENT OF TRANSPORTATION

TREE PLANTING PLAN

SCALE : 1"=100'

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	82
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

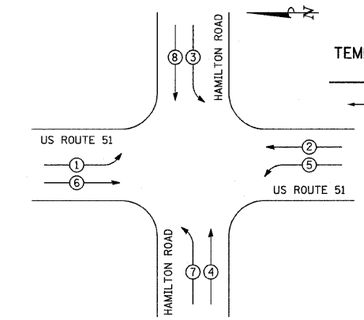
CONTRACT NO. 91351

TEMPORARY TRAFFIC SIGNAL NOTES

1. ALL 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 CONTROLLER USED FOR THE TEMPORARY TRAFFIC SIGNAL INSTALLATION SHALL BE A FULLY-ACTUATED NEMA MICROPROCESSOR-BASED CONTROLLER INSTALLED IN A CABINET WITH AN 8-PHASE BACK PANEL. THE CONTROLLER SHALL BE CAPABLE OF SUPPLYING 255 SECONDS OF CYCLE LENGTH WITH INDIVIDUAL PHASE LENGTH SETTINGS UP TO 99 SECONDS.
8. ALL TEMPORARY TRAFFIC SIGNAL LENSES SHALL BE 12 INCHES. THE TEMPORARY TRAFFIC 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 TRAFFIC SIGNAL HEAD TO ANY POSITION ON ITS SPAN WIRE. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
9. 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.
10. THE PROPOSED SIGNAL TIMINGS FOR THE TEMPORARY CONTROLLER WILL BE PROVIDED BY THE CITY OF BLOOMINGTON. THE TEMPORARY TRAFFIC SIGNAL SYSTEM SHALL BE PRE-TIMED.
11. 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.
12. 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.

TEMPORARY PHASE DESIGNATION DIAGRAM

NO SCALE

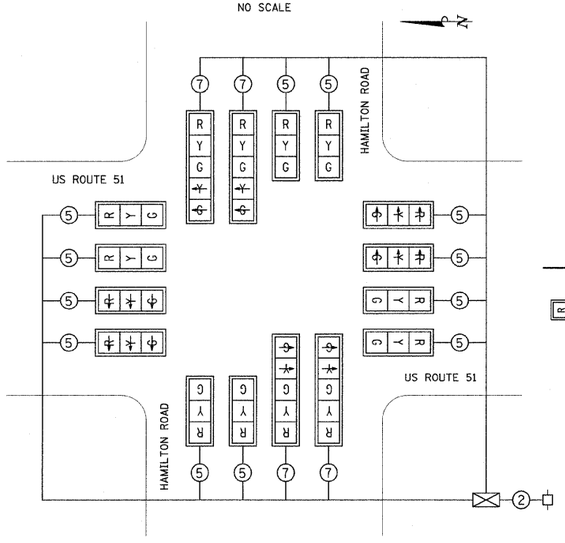


TEMPORARY PHASE DESIGNATION DIAGRAM LEGEND

- ⑧ VEHICULAR PHASE NO.⑧
- ⑧ NUMBER REFERS TO ASSOCIATED PHASE

TEMPORARY CABLE DIAGRAM

NO SCALE



TEMPORARY CABLE DIAGRAM LEGEND

- ⑤ TEMPORARY CONTROLLER CABINET
- R Y G TEMPORARY SIGNAL FACE WITH BACKPLATE
- TEMPORARY SERVICE INSTALLATION
- ⑤ NUMBER OF CONDUCTORS IN CABLE ALL CABLE #14 EXCEPT AS INDICATED

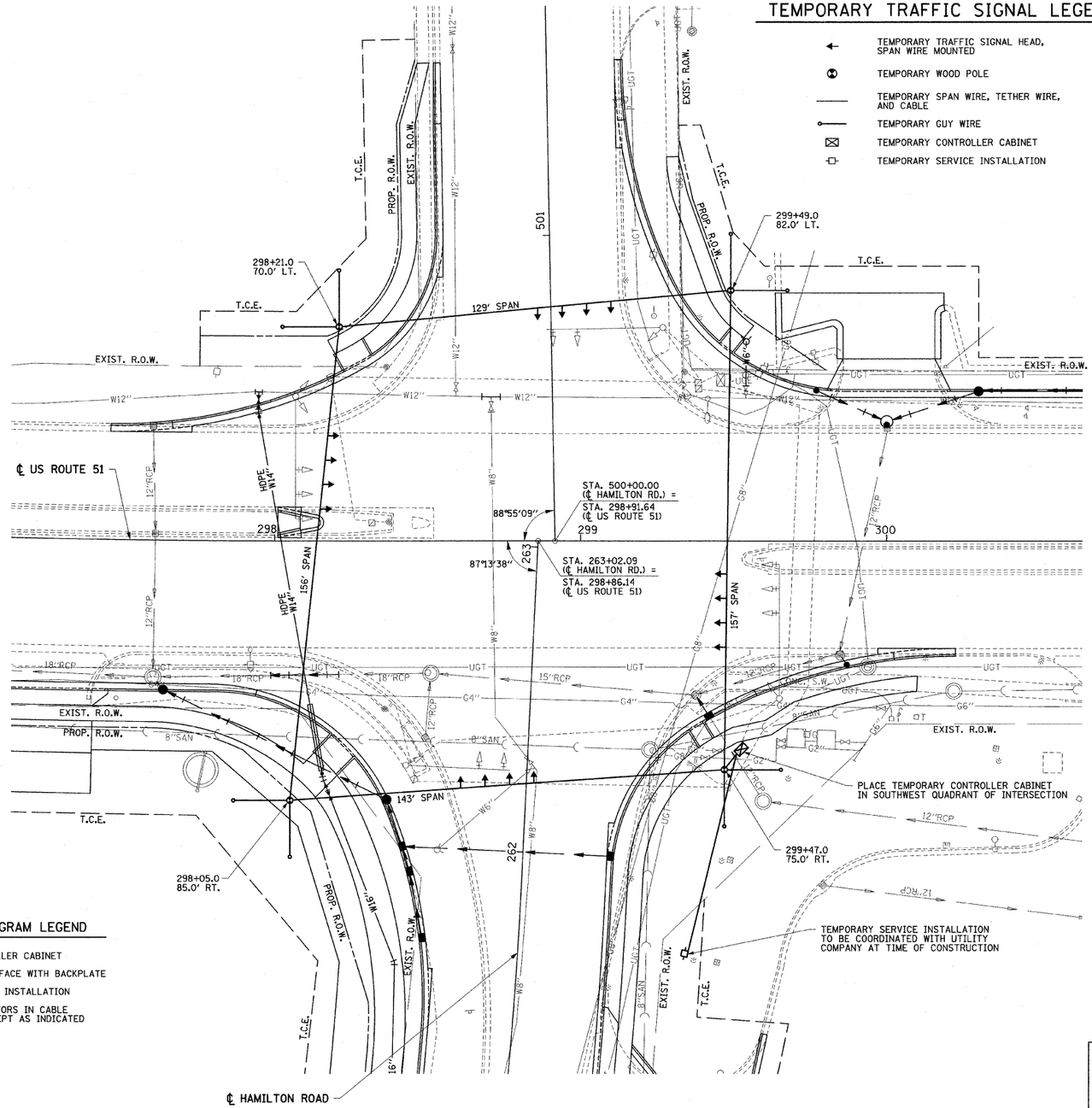
TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY TRAFFIC SIGNAL HEAD, SPAN WIRE MOUNTED
- TEMPORARY WOOD POLE
- TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
- TEMPORARY GUY WIRE
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SERVICE INSTALLATION

N

0′ 20′ 40′

SCALE: 1″ = 20′



REFER TO THE TRAFFIC SIGNAL PLANS AND THE REMOVALS/RELOCATIONS PLANS FOR THE EXISTING TRAFFIC SIGNAL EQUIPMENT TO BE REMOVED.

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLANS
HAMILTON ROAD & US ROUTE 51
TEMPORARY TRAFFIC SIGNAL PLAN

DATE : 6-09
DRAWN BY : J.A.J.
CHECKED BY : R.L.H.
SCALE : 1″=20′

p:\B110094\Plans\sheets\82-signals.dgn
9/9/2009 2:20:58 PM

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	83
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

PEDESTRIAN PUSH-BUTTON SIGNS

SF-1013

SF-1014 (MUTCD R10-4B)

FOR PLACEMENT OF PEDESTRIAN PUSH-BUTTON SIGNS, REFER TO THE TRAFFIC SIGNAL/ROADWAY LIGHTING GENERAL NOTES.

SCALE: 1" = 20'

DETECTOR LOOP DATA - US ROUTE 51				
NO.	℄ STATION	℄ OFFSET	SIZE	LABEL
1	294+81.0	17.0' RT.	6' x 6'	Ø6 SB FAR LL
2	294+80.0	29.0' RT.	6' x 6'	Ø6 SB FAR RL
3	296+46.0	17.0' RT.	6' x 6'	Ø6 SB REM LL
4	296+45.0	29.0' RT.	6' x 6'	Ø6 SB REM RL
5	297+79.0	5.0' RT.	6' x 6'	Ø1 SBLT
6	297+94.0	5.0' RT.	6' x 6'	Ø1 SBLT
7	298+09.0	5.0' RT.	6' x 6'	Ø1 SBLT
8	298+09.0	17.0' RT.	6' x 6'	Ø6 SB STBR LL
9	298+09.0	29.0' RT.	6' x 6'	Ø6 SB STBR RL
10	299+60.0	5.0' LT.	6' x 6'	Ø5 NBLT
11	299+75.0	5.0' LT.	6' x 6'	Ø5 NBLT
12	299+90.0	5.0' LT.	6' x 6'	Ø5 NBLT
13	299+60.0	17.0' LT.	6' x 6'	Ø2 NB STBR LL
14	299+60.0	29.0' LT.	6' x 6'	Ø2 NB STBR RL
15	301+23.0	17.0' LT.	6' x 6'	Ø2 NB REM LL
16	301+24.0	29.0' LT.	6' x 6'	Ø2 NB REM RL
17	302+88.0	17.0' LT.	6' x 6'	Ø2 NB FAR LL
18	302+89.0	29.0' LT.	6' x 6'	Ø2 NB FAR RL

DETECTOR LOOP DATA - HAMILTON ROAD				
NO.	℄ STATION	℄ OFFSET	SIZE	LABEL
23	261+93.0	0.0'	6' x 6'	Ø7 EBLT
24	262+08.0	0.0'	6' x 6'	Ø7 EBLT
25	262+23.0	0.0'	6' x 6'	Ø7 EBLT
26	262+08.0	11.0' RT.	6' x 6'	Ø4 EB STBR LL
27	262+23.0	11.0' RT.	6' x 6'	Ø4 EB STBR LL
28	262+08.0	22.0' RT.	6' x 6'	Ø4 EB STBR RL
29	262+23.0	22.0' RT.	6' x 6'	Ø4 EB STBR RL
30	500+74.0	6.8' LT.	6' x 6'	Ø3 WBLT
31	500+89.0	6.8' LT.	6' x 6'	Ø3 WBLT
32	501+04.0	6.8' LT.	6' x 6'	Ø3 WBLT
33	500+74.0	18.3' LT.	6' x 6'	Ø8 WB STBR LL
34	500+89.0	18.3' LT.	6' x 6'	Ø8 WB STBR LL
35	500+74.0	29.3' LT.	6' x 6'	Ø8 WB STBR RL
36	500+89.0	29.3' LT.	6' x 6'	Ø8 WB STBR RL

TRAFFIC SIGNAL LEGEND

- CONDUIT BORED AND PULLED (SIGNALS)
- CONDUIT IN TRENCH (SIGNALS)
- CONDUIT BORED AND PULLED (LIGHTING)
- CONDUIT IN TRENCH (LIGHTING)
- STEEL COMBINATION MAST ARM ASSEMBLY AND POLE
- TRAFFIC SIGNAL POST
- SIGNAL HEAD WITH BACKPLATE
- EMERGENCY VEHICLE PREEMPTION DETECTOR
- CONTROLLER CABINET WITH UPS CABINET
- HANDHOLE, PORTLAND CEMENT CONCRETE
- DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE
- SERVICE INSTALLATION
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSH-BUTTON
- PEDESTRIAN PUSH-BUTTON POST
- LUMINAIRE
- DETECTOR LOOP, TYPE I

50'-T / 2" — CONDUIT LENGTH; CONDUIT BORED AND PULLED (B) OR CONDUIT IN TRENCH (T); CONDUIT SIZE

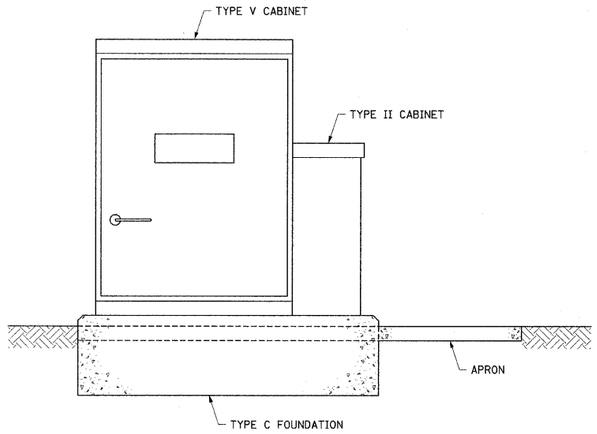
ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLANS
HAMILTON ROAD & US ROUTE 51
TRAFFIC SIGNAL LAYOUT

DATE : 6-09
DRAWN BY : J.A.J.
CHECKED BY : R.L.H.
SCALE : 1"=20'

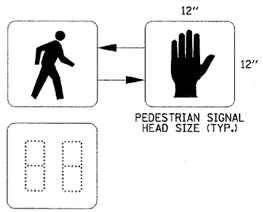
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	84
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351



UPS BATTERY CABINET MOUNTING DETAIL

NO SCALE



PEDESTRIAN SIGNAL HEAD SIZE (TYP.)

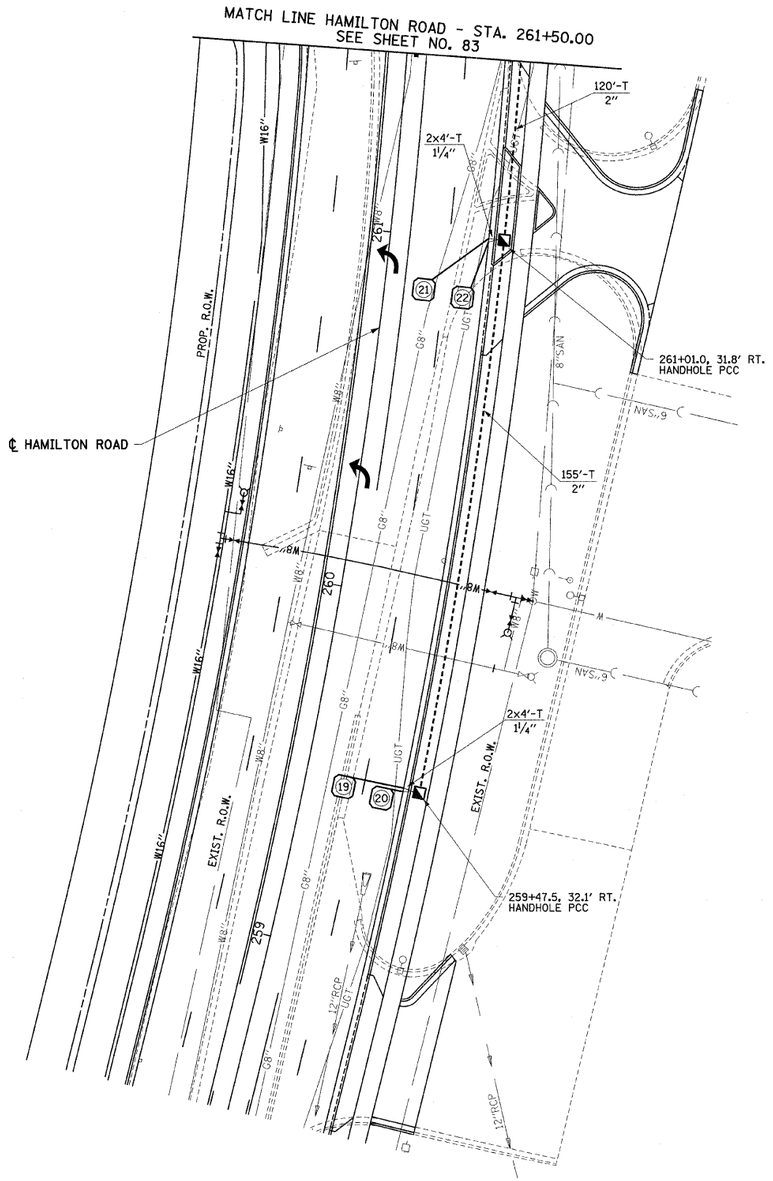
PEDESTRIAN COUNTDOWN SIGNAL DISPLAY DETAIL

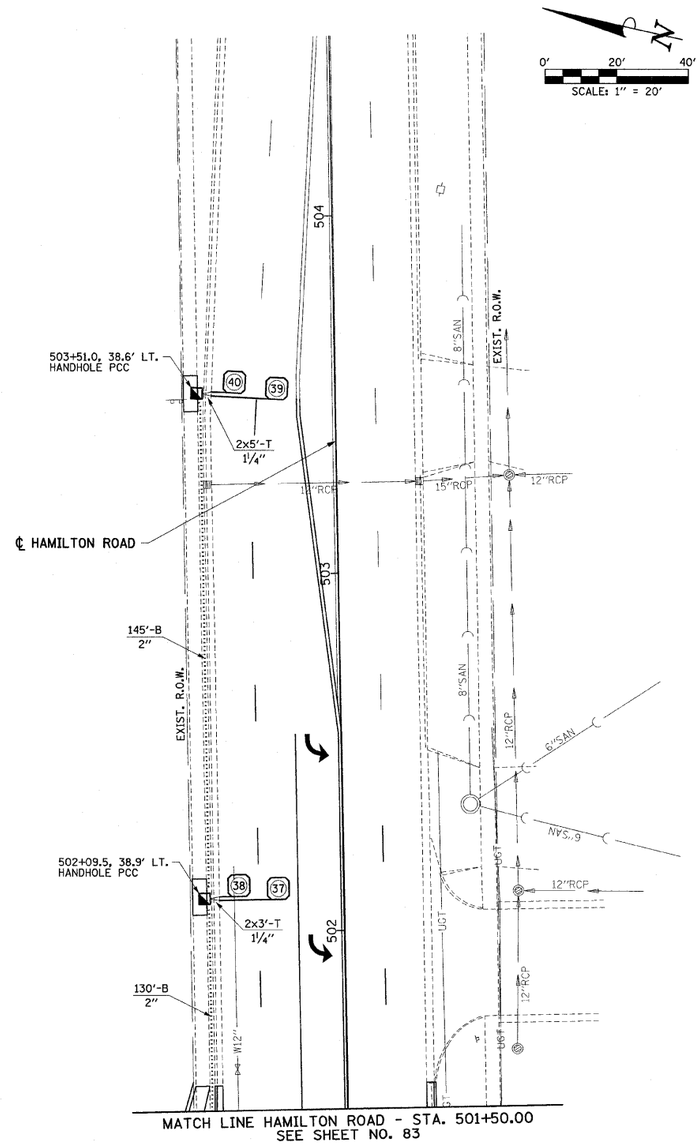
NO SCALE

TRAFFIC SIGNAL LEGEND

- CONDUIT BORED AND PULLED (SIGNALS)
- CONDUIT IN TRENCH (SIGNALS)
- CONDUIT BORED AND PULLED (LIGHTING)
- CONDUIT IN TRENCH (LIGHTING)
- STEEL COMBINATION MAST ARM ASSEMBLY AND POLE
- TRAFFIC SIGNAL POST
- SIGNAL HEAD WITH BACKPLATE
- EMERGENCY VEHICLE PREEMPTION DETECTOR
- CONTROLLER CABINET WITH UPS CABINET
- HANDHOLE, PORTLAND CEMENT CONCRETE
- DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE
- SERVICE INSTALLATION
- PEDESTRIAN SIGNAL HEAD
- PEDESTRIAN PUSH-BUTTON
- PEDESTRIAN PUSH-BUTTON POST
- LUMINAIRE
- DETECTOR LOOP, TYPE I

50'-T / 2" — CONDUIT LENGTH; CONDUIT BORED AND PULLED (B) OR CONDUIT IN TRENCH (T); CONDUIT SIZE





DETECTOR LOOP DATA - HAMILTON ROAD				
NO.	℄ STATION	℄ OFFSET	SIZE	LABEL
19	259+45.0	11.0' RT.	6' x 6'	Ø4 EB FAR LL
20	259+44.0	22.0' RT.	6' x 6'	Ø4 EB FAR RL
21	260+85.0	11.0' RT.	6' x 6'	Ø4 EB REM LL
22	260+84.0	22.0' RT.	6' x 6'	Ø4 EB REM RL
37	502+12.0	18.3' LT.	6' x 6'	Ø8 WB REM LL
38	502+13.0	29.3' LT.	6' x 6'	Ø8 WB REM RL
39	503+52.0	16.2' LT.	6' x 6'	Ø8 WB FAR LL
40	503+54.0	28.0' LT.	6' x 6'	Ø8 WB FAR RL

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLANS
HAMILTON ROAD & US ROUTE 51
TRAFFIC SIGNAL LAYOUT

DATE : 6-09
DRAWN BY : J.A.J.
CHECKED BY : R.L.H.
SCALE : 1"=20'

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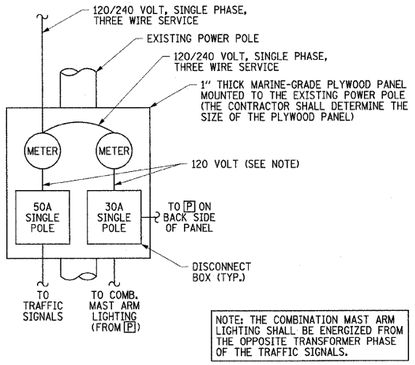
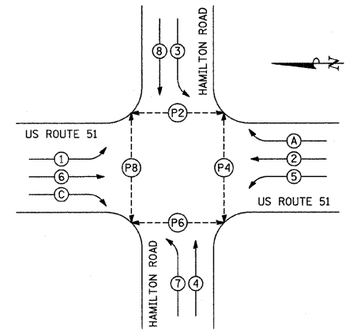
6/19/2009 9:04:03 AM



NOTE: THE COMBINATION MAST ARM LIGHTING SHALL BE ENERGIZED FROM THE OPPOSITE TRANSFORMER PHASE OF THE TRAFFIC SIGNALS.

SERVICE INSTALLATION DETAIL

[P] = PHOTOCELL CONTROLLER



PHASE DESIGNATION DIAGRAM

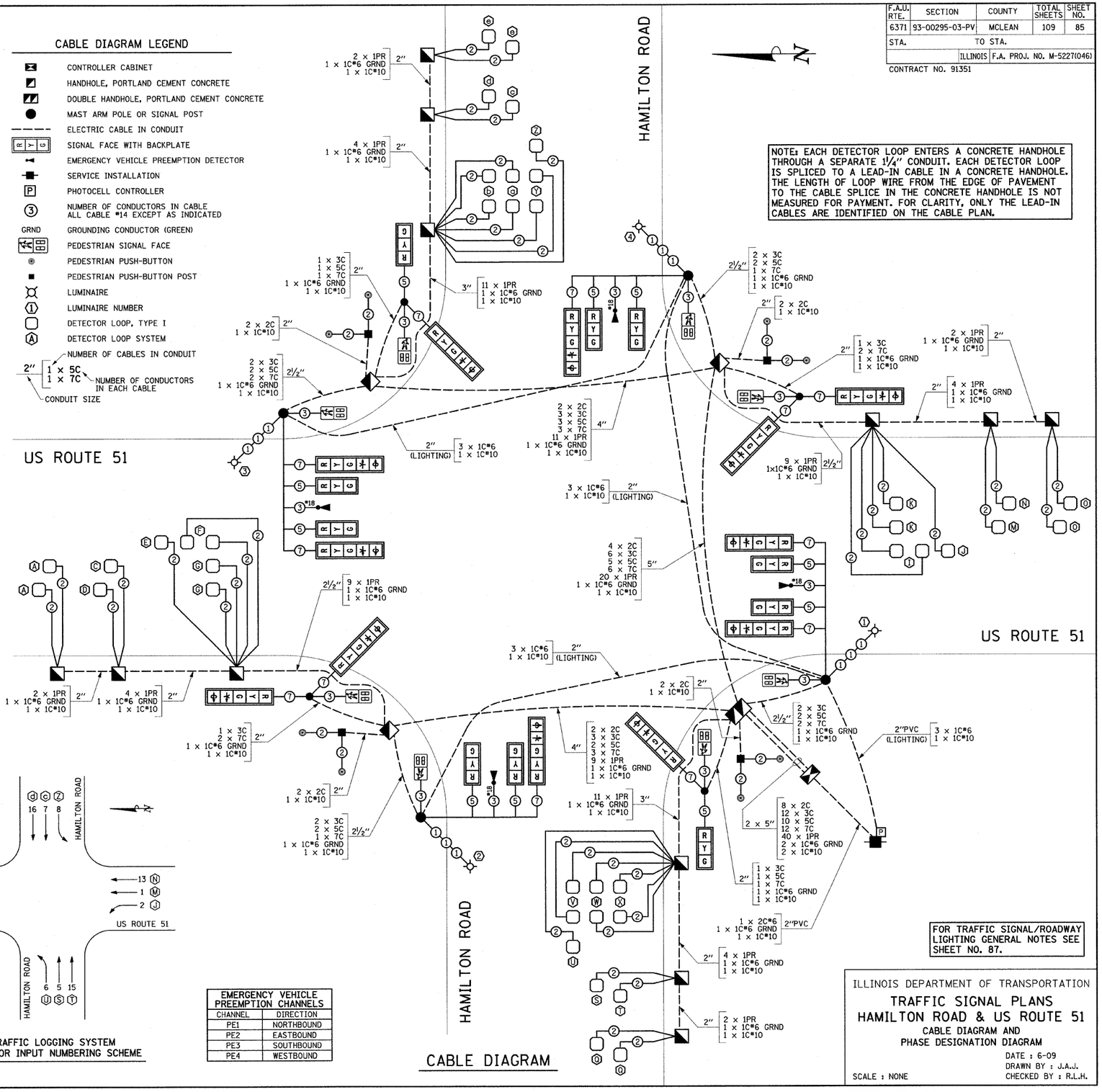
PHASE DESIGNATION DIAGRAM LEGEND

- (*) VEHICULAR PHASE NO.*
- (P*) PEDESTRIAN PHASE NO.*
- (A) (C) RIGHT TURN OVERLAP: A=3, C=7

* NUMBER REFERS TO ASSOCIATED PHASE

CABLE DIAGRAM LEGEND

- CONTROLLER CABINET
- HANDHOLE, PORTLAND CEMENT CONCRETE
- DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE
- MAST ARM POLE OR SIGNAL POST
- ELECTRIC CABLE IN CONDUIT
- SIGNAL FACE WITH BACKPLATE
- EMERGENCY VEHICLE PREEMPTION DETECTOR
- SERVICE INSTALLATION
- [P] PHOTOCELL CONTROLLER
- (3) NUMBER OF CONDUCTORS IN CABLE ALL CABLE #14 EXCEPT AS INDICATED
- GRND GROUNDING CONDUCTOR (GREEN)
- PEDESTRIAN SIGNAL FACE
- PEDESTRIAN PUSH-BUTTON
- PEDESTRIAN PUSH-BUTTON POST
- LUMINAIRE
- (1) LUMINAIRE NUMBER
- DETECTOR LOOP, TYPE I
- (A) DETECTOR LOOP SYSTEM
- 2" 1 x 5C / 1 x 7C — NUMBER OF CONDUCTORS IN EACH CABLE; CONDUIT SIZE



CABLE DIAGRAM

J PIN STATUS:

'ON' = STANDARD DETECTOR SETUP.

'OFF' = J WIRE HAS BEEN DISCONNECTED, BUT INTACT, AT THE HARNESS PANEL WITH THE NECESSARY SPADE CONNECTION ATTACHED, MARKED, AND INSULATED.

DETECTOR LOOP INDUCTANCE CHART

	LOOP SYSTEM	LOOP NUMBER	LOOP LABEL	CONTROLLER INPUT	PHASE	SIZE	# OF TURNS PER LOOP	INDUCTANCE (MICROHENRIES)	FREQUENCY (HERTZ)	J PIN STATUS
NORTH LEG	A	1	Ø6 SB FAR LL	VD6	6	6' x 6'	6	367	31859	ON
	A	2	Ø6 SB FAR RL	VD6	6	6' x 6'	6	367	31859	ON
	C	3	Ø6 SB REM LL	SD6	6	6' x 6'	5	257	38072	ON
	D	4	Ø6 SB REM RL	PD5	6	6' x 6'	5	257	38072	ON
	E	5	Ø1 SBLT COUNT	SD1	1	6' x 6'	5	221	41056	ON
	F	6	Ø1 SBLT	VD1	1	6' x 6'	5	221	41056	ON
	F	7	Ø1 SBLT	VD1	1	6' x 6'	5	221	41056	ON
	G	8	Ø6 SB STBR LL	VD6	6	6' x 6'	5	221	41056	OFF
	G	9	Ø6 SB STBR RL	VD6	6	6' x 6'	5	221	41056	OFF
SOUTH LEG	I	10	Ø5 NBLT	VD5	5	6' x 6'	5	229	40332	ON
	I	11	Ø5 NBLT	VD5	5	6' x 6'	5	229	40332	ON
	J	12	Ø5 NBLT COUNT	SD5	5	6' x 6'	5	229	40332	ON
	K	13	Ø2 NB STBR LL	VD2	2	6' x 6'	5	229	40332	OFF
	K	14	Ø2 NB STBR RL	VD2	2	6' x 6'	5	229	40332	OFF
	M	15	Ø2 NB REM LL	SD2	2	6' x 6'	5	264	37564	ON
	N	16	Ø2 NB REM RL	PD1	2	6' x 6'	5	264	37564	ON
	O	17	Ø2 NB FAR LL	VD2	2	6' x 6'	6	375	31518	ON
	O	18	Ø2 NB FAR RL	VD2	2	6' x 6'	6	375	31518	ON
WEST LEG	Q	19	Ø4 EB FAR LL	VD4	4	6' x 6'	5	255	38221	ON
	Q	20	Ø4 EB FAR RL	VD4	4	6' x 6'	5	255	38221	ON
	S	21	Ø4 EB REM LL	SD4	4	6' x 6'	5	219	41243	ON
	T	22	Ø4 EB REM RL	PD3	4	6' x 6'	5	219	41243	ON
	U	23	Ø7 EBLT COUNT	SD7	7	6' x 6'	6	264	37564	ON
	V	24	Ø7 EBLT	VD7	7	6' x 6'	6	264	37564	ON
	V	25	Ø7 EBLT	VD7	7	6' x 6'	6	264	37564	ON
	W	26	Ø4 EB STBR LL	VD4	4	6' x 6'	6	264	37564	OFF
	W	27	Ø4 EB STBR LL	VD4	4	6' x 6'	6	264	37564	OFF
	X	28	Ø4 EB STBR RL	VD4	4	6' x 6'	6	264	37564	OFF
	X	29	Ø4 EB STBR RL	VD4	4	6' x 6'	6	264	37564	OFF
EAST LEG	Y	30	Ø3 WBLT	VD3	3	6' x 6'	5	254	38296	ON
	Y	31	Ø3 WBLT	VD3	3	6' x 6'	5	254	38296	ON
	Z	32	Ø3 WBLT COUNT	SD3	3	6' x 6'	5	254	38296	ON
	a	33	Ø8 WB STBR LL	VD8	8	6' x 6'	5	254	38296	OFF
	a	34	Ø8 WB STBR LL	VD8	8	6' x 6'	5	254	38296	OFF
	b	35	Ø8 WB STBR RL	VD8	8	6' x 6'	5	254	38296	OFF
	b	36	Ø8 WB STBR RL	VD8	8	6' x 6'	5	254	38296	OFF
	c	37	Ø8 WB REM LL	SD8	8	6' x 6'	6	356	32348	ON
	d	38	Ø8 WB REM RL	PD7	8	6' x 6'	6	356	32348	ON
	e	39	Ø8 WB FAR LL	VD8	8	6' x 6'	6	390	30906	ON
	e	40	Ø8 WB FAR RL	VD8	8	6' x 6'	6	390	30906	ON

TRAFFIC LOGGING SYSTEM DETECTOR INPUT NUMBERING SCHEME

EMERGENCY VEHICLE PREEMPTION CHANNELS	
CHANNEL	DIRECTION
PE1	NORTHBOUND
PE2	EASTBOUND
PE3	SOUTHBOUND
PE4	WESTBOUND

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	85
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

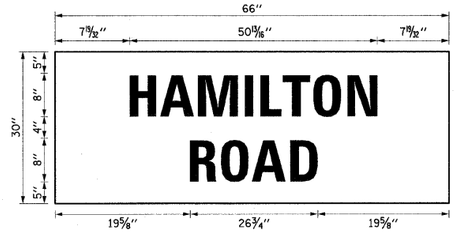
ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLANS
HAMILTON ROAD & US ROUTE 51
CABLE DIAGRAM AND PHASE DESIGNATION DIAGRAM

DATE : 6-09
DRAWN BY : J.A.J.
CHECKED BY : R.L.H.
SCALE : NONE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	86
STA.		TO STA.		
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351



MAST ARM MOUNTED
STREET NAME SIGN DETAILS

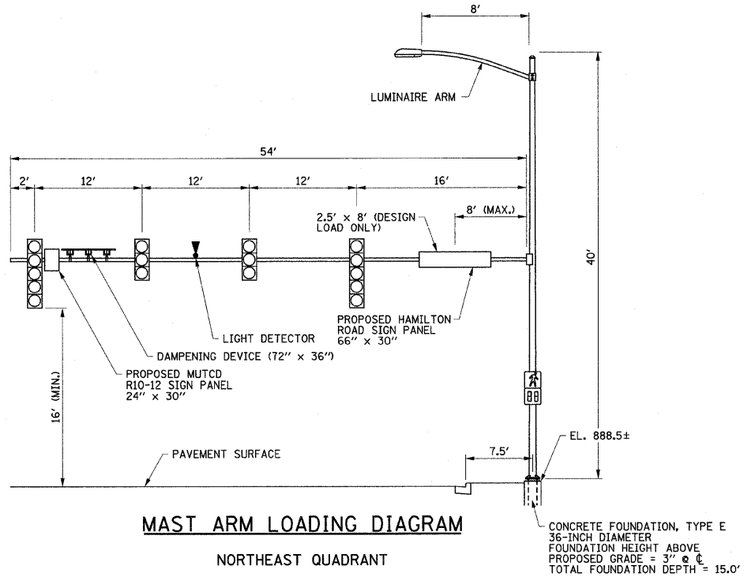
SERIES D - 8″
TYPE A SHEETING REQUIRED

R10-12

MAST ARM MOUNTED
SIGN DETAILS

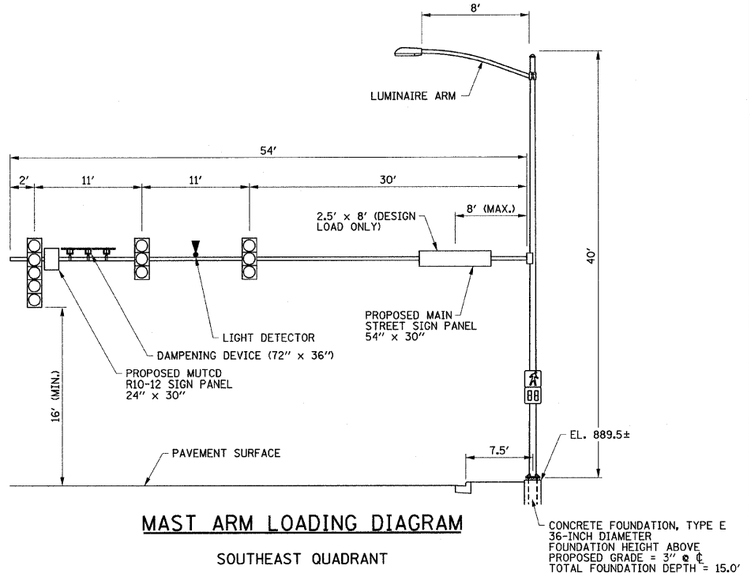
MUTCD R10-12

NOTE: AN MUTCD R10-12 SIGN SHALL ALSO BE MOUNTED BELOW EACH BRACKET MOUNTED 5-SECTION HEAD LEFT TURN SIGNAL AS DIRECTED BY THE ENGINEER.



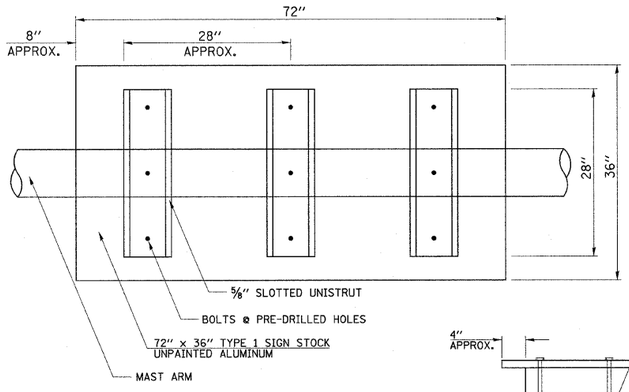
MAST ARM LOADING DIAGRAM

NORTHEAST QUADRANT

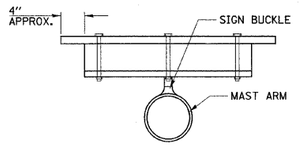


MAST ARM LOADING DIAGRAM

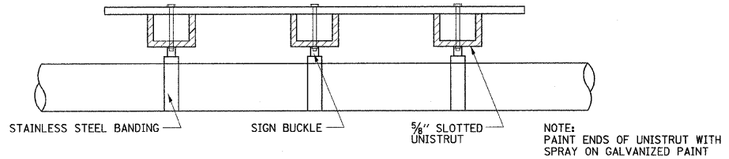
SOUTHEAST QUADRANT



PLAN VIEW

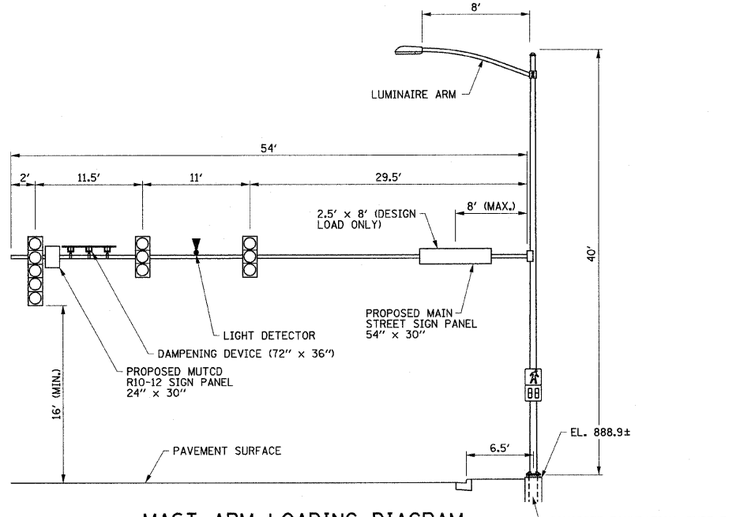


CROSS SECTION



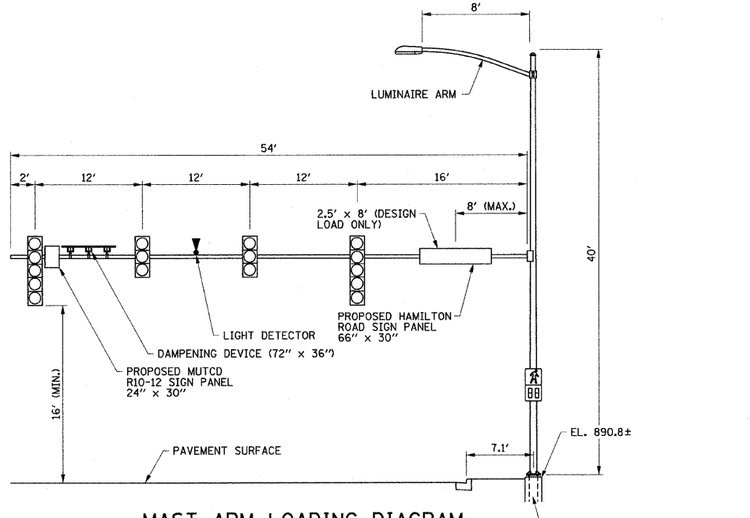
ELEVATION

MAST ARM MOUNTED DAMPENING DEVICE DETAILS



MAST ARM LOADING DIAGRAM

NORTHWEST QUADRANT



MAST ARM LOADING DIAGRAM

SOUTHWEST QUADRANT

MAST ARM LOADING NOTES

1. THE MAST ARM DAMPENING DEVICE SHALL BE IN ACCORDANCE WITH THE DETAILS SHOWN ON THIS SHEET. THE COST OF THE DAMPENING DEVICE IS INCLUDED IN THE COST OF THE MAST ARM PAY ITEM.
2. ALL SIGNAL HEADS SHALL HAVE LOUVERED BACKPLATES.

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLANS
HAMILTON ROAD & US ROUTE 51
MAST ARM DETAILS

DATE : 6-09
DRAWN BY : J.A.J.
CHECKED BY : R.L.H.

SCALE : NONE

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9/9/2009 5:05:22 PM

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	87
STA.		TO STA.		
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

TRAFFIC SIGNAL/ROADWAY LIGHTING GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UTILITIES PRIOR TO BEGINNING CONSTRUCTION. THE PHONE NUMBER FOR J.U.L.I.E. IS 800-829-0123.
2. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY, WHICH SHALL BE INCLUDED IN THE COST OF THE RESPECTIVE CONTRACT PAY ITEM.
3. THE EXACT SIGNAL LOCATIONS MAY BE MODIFIED IN THE FIELD TO AVOID EXISTING UTILITIES AS DIRECTED BY THE CITY ENGINEER.
4. ALL SIGNAL BASES SHALL BE LOCATED A MINIMUM OF 6 FEET FROM THE FACE OF CURB OR AT THE LOCATIONS SHOWN ON THE PLANS, UNLESS APPROVED OTHERWISE BY THE CITY ENGINEER.
5. ALL MAST ARM POLE BASES SHALL BE PROTECTED BY A STAINLESS STEEL MESH SCREENING AROUND THE BASE BOLTS TO PREVENT RODENT ENTRY. THE MESH SHALL BE SECURED TO THE BASE BY STAINLESS STEEL BANDING AND SHALL BE INCLUDED IN THE COST OF THE STEEL COMBINATION MAST ARM ASSEMBLY AND POLE PAY ITEM.
6. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FEET MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
7. ALL ELECTRIC CABLE REQUIRED FOR THE INSTALLATION OF THE LIGHT DETECTOR SHALL BE INCLUDED IN THE COST OF THE LIGHT DETECTOR PAY ITEM. SPLICES IN THE LIGHT DETECTOR CABLE SHALL NOT BE ALLOWED.
8. DRILLING HOLES THROUGH EXISTING CURB AND GUTTER, INSERTING CONDUIT, AND FILLING WITH APPROVED SEALER FOR DETECTOR LOOPS SHALL BE INCLUDED IN THE COST OF THE DETECTOR LOOP PAY ITEM.
9. ALL DETECTOR LOOP AMPLIFIERS SHALL BE RACK MOUNTED AND SHALL BE LABELED ON THE EDGE OF THE SHELF BELOW THE AMPLIFIERS WITH THEIR RESPECTIVE DIRECTIONS, PHASES, LOOP TERMINALS, AND CONTROLLER INPUTS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE INDUCTIVE LOOP DETECTOR PAY ITEM.
10. A 10 GAUGE STRANDED THHN WIRE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATIONS WITH 6 FEET OF SLACK AT EACH HANDHOLE AND SHALL BE INCLUDED IN THE COST OF THE CONDUIT PAY ITEM.
11. ALL CONDUITS THAT ARE TO BE LEFT VACANT FOR FUTURE USE SHALL HAVE A 10 GAUGE STRANDED WIRE INSTALLED FOR THE PURPOSE OF LOCATING THE CONDUIT AND SHALL BE INCLUDED IN THE COST OF THE CONDUIT PAY ITEM.
12. ALL HIGH DENSITY POLYETHYLENE (HDPE) CONDUITS SHALL BE SCHEDULE 80 AND COILABLE. ALL POLYVINYL CHLORIDE (PVC) CONDUITS SHALL BE SCHEDULE 80. ALL CONDUITS SHALL BE HDPE EXCEPT AT THE LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
13. THE DOUBLE HANDHOLE SHALL BE FURNISHED WITH RECESSED, INTEGRAL HINGED LIDS.
14. ALL THREADS OF BOLTS USED IN ASSEMBLY OF TRAFFIC SIGNAL COMPONENTS SHALL BE COATED WITH A NON-LEAD BASED, ANTI-SEIZE COMPOUND, SIMILAR TO LEAD PLATE, PRIOR TO ASSEMBLY.
15. ALL LED SIGNAL LENSES SHALL BE OF THE SAME TYPE, DESIGN, AND APPEARANCE AND SHALL BE FROM THE SAME MANUFACTURER FOR ANY GIVEN INTERSECTION.
16. THE SIZES OF ALL LENSES SHALL BE 12 INCHES UNLESS OTHERWISE NOTED.
17. ALL MAST ARM MOUNTED SIGNAL HEADS ON EACH INDIVIDUAL MAST ARM SHALL BE MOUNTED SO THAT THE RED INDICATIONS ARE LEVEL WITH EACH OTHER.
18. ALL BRACKET MOUNTED SIGNAL HEADS SHALL BE MOUNTED ON THE SIDE OF THE POLE AS DIRECTED BY THE CITY ENGINEER IN ORDER TO MINIMIZE VEHICLE DAMAGE.
19. ALL TRAFFIC SIGNAL HEADS SHALL HAVE LOUVERED BACKPLATES.
20. A PEDESTRIAN PUSH-BUTTON SIGN SHALL BE MOUNTED ABOVE EACH PEDESTRIAN PUSH-BUTTON. THE SIGN SHALL BE ACCORDING TO SECTION 888 OF THE STANDARD SPECIFICATIONS AND SHALL BE INCLUDED IN THE COST OF THE PEDESTRIAN PUSH-BUTTON PAY ITEM.
21. A 24" x 30" ALUMINUM 'LEFT TURN YIELD ON GREEN' SIGN SHALL BE MOUNTED ADJACENT TO EACH MAST ARM MOUNTED 5-SECTION HEAD LEFT TURN SIGNAL AS DIRECTED BY THE ENGINEER.
22. A 24" x 30" ALUMINUM 'LEFT TURN YIELD ON GREEN' SIGN SHALL BE MOUNTED BELOW EACH BRACKET MOUNTED 5-SECTION HEAD LEFT TURN SIGNAL AS DIRECTED BY THE ENGINEER.
23. THE ELECTRICAL CONDUCTORS FOR ALL TRAFFIC SIGNAL HEADS SHALL BE 14 GAUGE SOLID, SOFT COPPER.
24. THE PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET SHALL BE FURNISHED WITH A DOOR SWITCH, CONFLICT FLASH AND MANUAL FLASH INPUTS WIRED TO THE APPROPRIATE CONTROLLER 'D' CONNECTOR INPUTS. THE CABINET SHALL ALSO BE FURNISHED WITH A MANUAL CONTROL SWITCH AND MANUAL CORD WITHIN THE POLICE COMPARTMENT DOOR. THESE ITEMS SHALL BE INCLUDED IN THE COST OF THE CONTROLLER PAY ITEM.
25. AN INNOVATIVE TECHNOLOGIES MODEL HS-P-SP-120A-30A-RJ SUPPRESSOR OR APPROVED EQUAL WITH A 3 POSITION TERMINAL BLOCK SHALL BE MOUNTED ON AN ALUMINUM PLATE BELOW THE CABINET POWER DISTRIBUTION PANEL. INCOMING POWER SHALL CONNECT TO THE TERMINAL BLOCK WHICH SHALL FEED THE "IT" SUPPRESSOR THROUGH 10 GAUGE SOLID COPPER WIRE (AC+, AC-, GND.) WITH APPROXIMATELY TEN 1.5 TO 2 INCH COILS IN THE AC+ AND AC- LINES.
26. THE CONTROLLER CABINET SHALL BE ORIENTED SUCH THAT INTERSECTION OPERATION AND CONTROLLER COMPONENTS CAN BE VIEWED SIMULTANEOUSLY.
27. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL SIGNAL COMPONENTS TO THE CITY OF BLOOMINGTON FOR APPROVAL PRIOR TO ORDERING.
28. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL SERVICE FOR THE TRAFFIC SIGNALS AND ROADWAY LIGHTING. THE CONTRACTOR SHALL CONTACT THE POWER SUPPLIER PRIOR TO BEGINNING WORK IN ORDER TO MEET THE POWER SUPPLIER'S REQUIREMENTS. THE CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM OF 72 HOURS BEFORE THE CIRCUIT IS ENERGIZED.
29. THE ENGINEER SHALL BE NOTIFIED AT LEAST 72 HOURS PRIOR TO SIGNAL TURN ON.
30. THE CONTRACTOR SHALL ARRANGE FOR A FACTORY OR SUPPLIER REPRESENTATIVE TO BE PRESENT AT THE INTERSECTION WHEN THE SIGNALS ARE TURNED ON, WHICH SHALL BE INCLUDED IN THE COST OF THE CONTROLLER PAY ITEM.
31. THE CITY RESERVES THE RIGHT TO CANCEL ANY SIGNAL TURN ON IF THE CITY DEEMS THE SITUATION UNSAFE FOR REASONS SUCH AS BAD WEATHER, PEAK HOUR TRAFFIC CONDITIONS, OR ROAD CONDITIONS.
32. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING THE CABINET ENERGIZED AND FULLY FUNCTIONAL WITH FIELD DISPLAYS TURNED OFF A MINIMUM OF 24 HOURS PRIOR TO THE SCHEDULED SIGNAL TURN ON.
33. THE SIGNAL TURN ON SHALL BE SCHEDULED BETWEEN THE HOURS OF 9 AM AND 10 AM.
34. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROGRAMMING AND INSTALLING A FULLY FUNCTIONAL CONTROLLER WITH THE TIMINGS SUPPLIED BY THE CITY. ALL PROGRAMMING CHANGES NEEDED DURING THE BURN-IN PERIOD SHALL BE PERFORMED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER.
35. THE CONTRACTOR SHALL NOTIFY THE CITY ELECTRICIANS BY CONTACTING 309-434-2225 A MINIMUM OF 72 HOURS PRIOR TO THE CONTROLLER BEING READY FOR PROGRAMMING.
36. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH THE CONTROLLER, CONFLICT MONITOR, AND ONE SET OF THE CABINET PRINTS A MINIMUM OF 72 HOURS PRIOR TO ENERGIZING THE CABINET.
37. AS SOON AS WORK BEGINS ON TRAFFIC SIGNAL PAY ITEMS OR TEMPORARY SIGNALS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MAINTENANCE AND LOCATING OF THE EXISTING TRAFFIC SIGNAL LIGHTING, EQUIPMENT, CONDUITS, ETC.
38. THE COMBINATION MAST ARM LIGHTING SHALL BE ENERGIZED FROM THE OPPOSITE TRANSFORMER PHASE OF THE TRAFFIC SIGNALS.
39. THE PHOTOCELL CONTROLLER FOR THE COMBINATION MAST ARM LIGHTING SHALL BE MOUNTED TO THE SAME EXISTING POWER POLE AS THE SERVICE INSTALLATION (SPECIAL).
40. THE LUMINAIRE ARM, THE LUMINAIRE, AND THE LUMINAIRE WIRING SHALL BE SUPPLIED AND ERECTED WITH THE TRAFFIC SIGNAL MAST ARM BY THE CONTRACTOR. THE MAST ARM FOUNDATION SHALL INCLUDE A SEPARATE STUB AND CAP FOR THE LUMINAIRE WIRING. TRAFFIC SIGNAL CABLE AND ROADWAY LIGHTING CABLE SHALL NOT BE INSTALLED IN THE SAME CONDUIT.
41. THE LUMINAIRE ARMS SHALL MEASURE 8 FEET IN LENGTH.
42. ALL LUMINAIRES SHALL BE HIGH PRESSURE SODIUM, 400 WATT, 120 VOLT, AND HORIZONTAL MOUNT. ALL LUMINAIRES SHALL HAVE TYPE M-C-III DISTRIBUTION.
43. ALL LUMINAIRES SHALL BE WIRED THROUGH THE PHOTOCELL CONTROLLER TO THE LOAD SIDE OF THE SERVICE DISCONNECT.
44. THE AGENCY THAT IS RESPONSIBLE FOR ENERGY CHARGES IS THE CITY OF BLOOMINGTON.

TRAFFIC SIGNAL/ROADWAY LIGHTING BILL OF MATERIALS

CODE NO.	ITEM	UNIT	QUANTITY
72000100	SIGN PANEL, TYPE 1	SQ FT	40
72000200	SIGN PANEL, TYPE 2	SQ FT	50
80501000	SERVICE INSTALLATION (SPECIAL)	EACH	1
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	140
81017515	CONDUIT IN TRENCH, 1¼" DIA., COILABLE NONMETALLIC CONDUIT	FOOT	200
81017525	CONDUIT IN TRENCH, 2" DIA., COILABLE NONMETALLIC CONDUIT	FOOT	1060
81017530	CONDUIT IN TRENCH, 2½" DIA., COILABLE NONMETALLIC CONDUIT	FOOT	160
81017535	CONDUIT IN TRENCH, 3" DIA., COILABLE NONMETALLIC CONDUIT	FOOT	47
81017555	CONDUIT IN TRENCH, 5" DIA., COILABLE NONMETALLIC CONDUIT	FOOT	10
81028060	CONDUIT, BORED AND PULLED, COILABLE NONMETALLIC CONDUIT, 2"	FOOT	695
81028100	CONDUIT, BORED AND PULLED, COILABLE NONMETALLIC CONDUIT, 4"	FOOT	230
81028120	CONDUIT, BORED AND PULLED, COILABLE NONMETALLIC CONDUIT, 5"	FOOT	155
81306500	REMOVE EXISTING JUNCTION BOX	EACH	2
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	15
81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	1700
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	130
81900302	TRENCH AND BACKFILL WITH SCREENINGS OR SAND	FOOT	1490
82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	4
85700305	FULL-ACTUATED CONTROLLER AND TYPE V CABINET, SPECIAL	EACH	1
86200200	UNINTERRUPTABLE POWER SUPPLY, STANDARD	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	1450
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	1650
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	2375
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	2775
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	11600
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	75
87704188	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 54 FT. (SPECIAL)	EACH	4
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	12
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60
88040070	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	8
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	6
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	6
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	22
88600100	DETECTOR LOOP, TYPE I	FOOT	1900
88700200	LIGHT DETECTOR	EACH	4
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1
88800100	PEDESTRIAN PUSH-BUTTON	EACH	8
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
89502380	REMOVE EXISTING HANDHOLE	EACH	5
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	9
X0962500	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	L SUM	1
X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	2225
X8850106	INDUCTIVE LOOP DETECTOR, RACK MOUNTED	EACH	14
X8850107	INDUCTIVE LOOP DETECTOR, RACK MOUNT WITH SYSTEM OUTPUT	EACH	12
XX005931	TRAFFIC SIGNAL POST, 16 FOOT (SPECIAL)	EACH	4
XX006163	REMOVE ELECTRIC CABLE FROM CONDUIT (SPECIAL)	L SUM	1
XX006380	PHOTOCELL CONTROLLER	EACH	1
XX006533	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED, COUNTDOWN TIMER	EACH	8
	PEDESTRIAN PUSH-BUTTON POST (SPECIAL)	EACH	4

EXISTING TRAFFIC SIGNAL EQUIPMENT TO BE REMOVED

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

ITEM	UNIT	QUANTITY
SIGN PANEL, TYPE 1	EACH	8
SIGN PANEL, TYPE 2	EACH	4
SERVICE INSTALLATION (INCLUDING ONE SERVICE POLE)	EACH	2
LUMINIRE	EACH	4
CONTROLLER IN CABINET (COMPLETE)	EACH	1
PEDESTRIAN PUSH-BUTTON POST	EACH	4
COMBINATION MAST ARM ASSEMBLY AND POLE	EACH	4
TRAFFIC SIGNAL BACKPLATE	EACH	15
PEDESTRIAN PUSH-BUTTON	EACH	5
SIGNAL HEAD	EACH	15
PEDESTRIAN SIGNAL HEAD	EACH	4

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 CONTRACTOR SHALL REMOVE THE FOLLOWING EXISTING TRAFFIC SIGNAL ITEMS AND DISPOSE OF THEM IN ACCORDANCE WITH THE CONTRACT DOCUMENTS:

ITEM	UNIT	QUANTITY
JUNCTION BOX	EACH	2
HANDHOLE	EACH	5
CONCRETE FOUNDATION	EACH	9

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR REMOVE EXISTING JUNCTION BOX, REMOVE EXISTING HANDHOLE, AND REMOVE EXISTING CONCRETE FOUNDATION.

C. THE CONTRACTOR SHALL REMOVE ALL EXISTING ELECTRIC CABLE, INCLUDING ALL SIGNAL, LEAD-IN, AND SERVICE CABLE, AND STORE THE CABLE AT A LOCATION DESIGNATED BY THE ENGINEER FOR PICK-UP BY THE CITY'S FORCES. THE EXISTING CABLE THAT IS REMOVED SHALL NOT BE REUSED. THIS WORK WILL BE PAID FOR AT THE CONTRACT LUMP SUM PRICE FOR REMOVE ELECTRIC CABLE FROM CONDUIT (SPECIAL). REMOVAL OF INDIVIDUAL CABLES WILL NOT BE PAID FOR SEPARATELY.

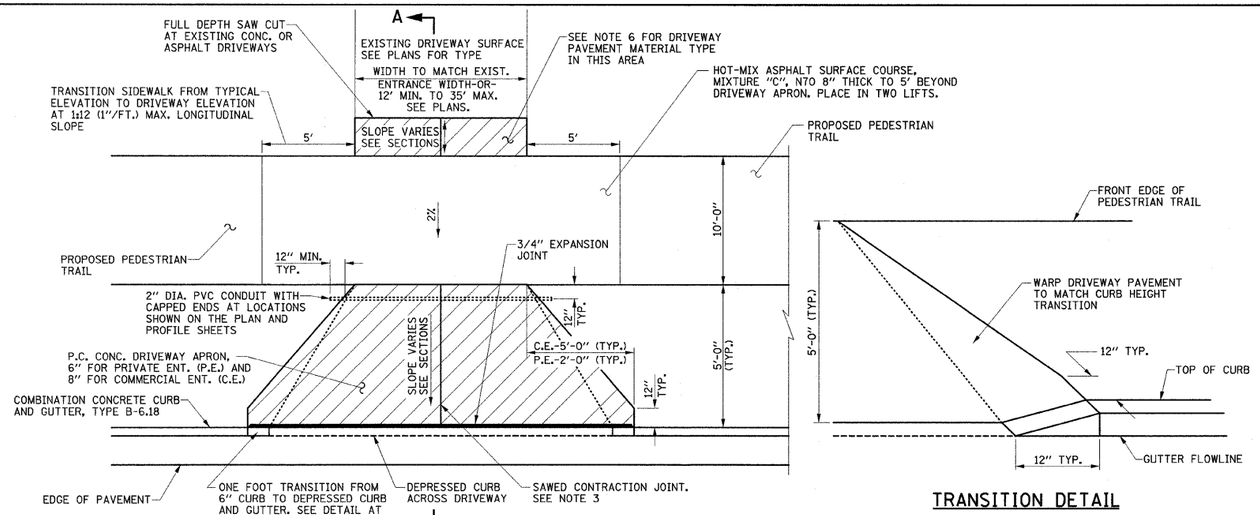
ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLANS
HAMILTON ROAD & US ROUTE 51
TRAFFIC SIGNAL/ROADWAY LIGHTING
GENERAL NOTES AND BILL OF MATERIALS

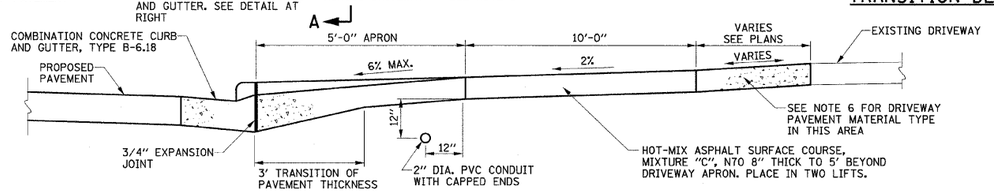
DATE : 6-09
DRAWN BY : J.A.J.
CHECKED BY : R.L.H.
SCALE : NONE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	88
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351



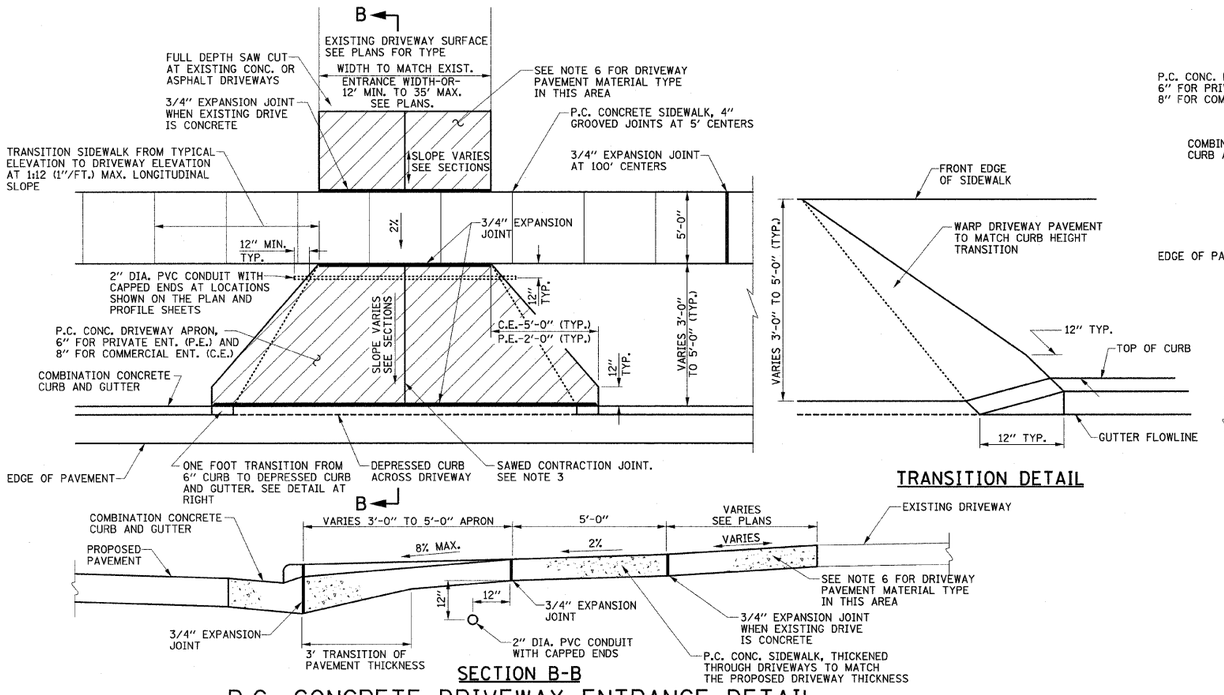
TRANSITION DETAIL



SECTION A-A

P.C. CONCRETE DRIVEWAY ENTRANCE DETAIL

(WITH PEDESTRIAN TRAIL THROUGH DRIVEWAY)



TRANSITION DETAIL

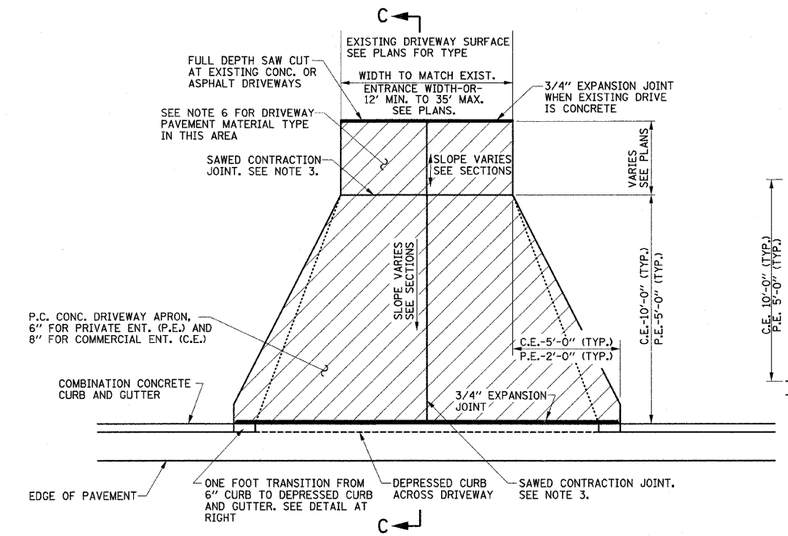
SECTION B-B

P.C. CONCRETE DRIVEWAY ENTRANCE DETAIL

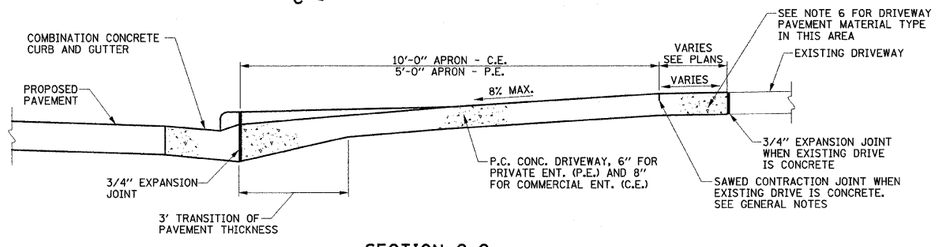
(WITH SIDEWALK THROUGH DRIVEWAY)

DRIVEWAY GENERAL NOTES

1. THE COST OF CONSTRUCTING THE P.C. CONCRETE SIDEWALK 6" OR 8" THICK THROUGH DRIVEWAYS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C. CONCRETE SIDEWALK 4" AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
2. THE COST OF CONSTRUCTING THE THICKER P.C. CONCRETE DRIVEWAY PAVEMENT ADJACENT TO THE COMBINATION CONCRETE CURB AND GUTTER AS SHOWN IN SECTIONS A-A, B-B, & C-C WILL BE CONSIDERED INCLUDED IN THE COST OF TO THE P.C. CONCRETE DRIVEWAY PAVEMENT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
3. WHEN THE WIDTH OF THE P.C. CONCRETE DRIVEWAY PAVEMENT IS BETWEEN 12' TO 24' A CONTRACTION JOINT SHALL BE PLACED IN 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.
4. THE MINIMUM WIDTH OF P.C. CONCRETE DRIVEWAY PAVEMENT SHALL BE 12' AND MAXIMUM WIDTH SHALL BE 35'.
5. ALL COST OF CONSTRUCTING THE COMBINATION CONCRETE CURB AND GUTTER AS SHOWN SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER FOOT FOR COMBINATION CONCRETE CURB AND GUTTER OF THE TYPE SPECIFIED IN THE PLANS.
6. THE LIMITS, TYPES, AND THICKNESS OF MATERIALS USED FOR THE CONSTRUCTION OF THE PROPOSED DRIVEWAYS BEYOND THE CONCRETE APRONS, PEDESTRIAN TRAIL, OR SIDEWALK SHALL BE AS SHOWN ON THE PLAN AND PROFILE SHEETS.
7. THE 2" DIAMETER CONDUITS SHALL BE INSTALLED AT LOCATIONS SHOWN ON THE PLANS FOR A FUTURE STREET LIGHT SYSTEM TO BE INSTALLED BY OTHERS. THE CONDUITS WILL BE PAID FOR PER FOOT FOR CONDUIT IN TRENCH, 2" DIA., PVC.
8. ALL CONDUITS THAT ARE TO BE LEFT VACANT FOR FUTURE USE SHALL HAVE A 10 GAUGE STRANDED WIRE INSTALLED FOR THE PURPOSE OF LOCATING THE CONDUIT AND SHALL BE INCLUDED IN THE COST OF THE CONDUIT PAY ITEM.



TRANSITION DETAIL



SECTION C-C

P.C. CONCRETE DRIVEWAY ENTRANCE DETAIL

(WITHOUT SIDEWALK OR PEDESTRIAN TRAIL)

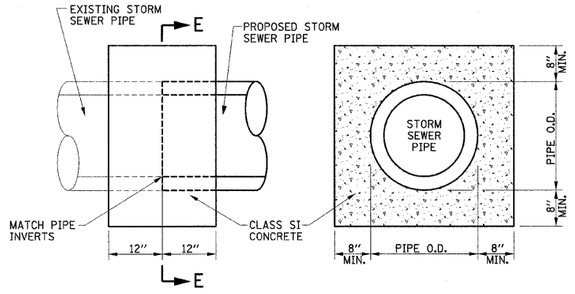
ILLINOIS DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : NONE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	89
STA.	TO STA.			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

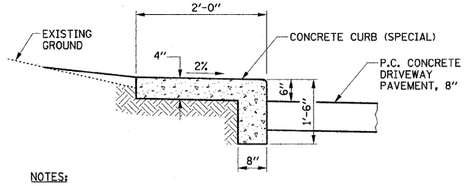
CONTRACT NO. 91351



ELEVATION SECTION E-E

NOTE
THE CONCRETE COLLARS SHALL BE UTILIZED WHERE CONNECTING STORM SEWERS OF DIFFERENT TYPES. THE COST OF CONSTRUCTING THE CONCRETE COLLARS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR CONCRETE COLLAR.

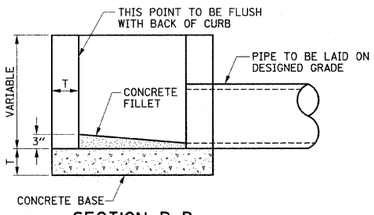
CONCRETE COLLAR DETAILS



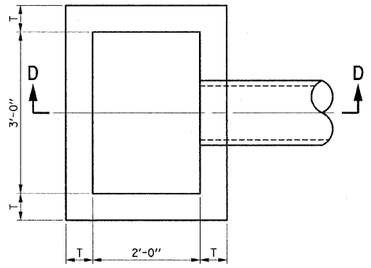
NOTES:
1. SAWED TRANSVERSE CONTRACTION JOINTS 2" DEEP SHALL BE PLACED AT LOCATIONS AS DIRECTED BY THE ENGINEER TO MATCH THE JOINT PATTERN OF THE EXISTING CURBS.
2. THE CONCRETE CURB (SPECIAL) WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT MEASURED ALONG THE FACE OF THE CURB. THE PRICE SHALL INCLUDE ALL LABOR AND MATERIALS INCLUDING EXCAVATION, SAW JOINTS AND BACKFILING.

CONCRETE CURB (SPECIAL) DETAIL

LT. STA. 300+00.7 - C.E.



SECTION D-D

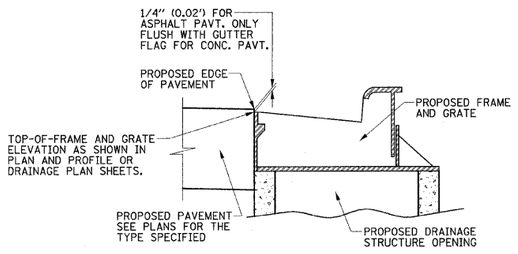


PLAN

BICYCLE SAFE
FRAME AND GRATE
NEENAH NO. R-3067 WITH TYPE A GRATE FOR FULL HEIGHT CURB AND NEENAH NO. R-3290-A WITH TYPE A GRATE FOR DEPRESSED CURB

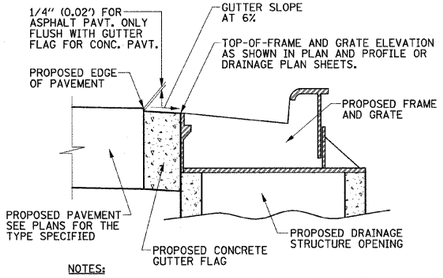
MATERIALS PERMITTED FOR INLETS	T
PRECAST REINFORCED CONCRETE SECTIONS	3"
CAST-IN-PLACE CONCRETE	6"

DETAIL OF INLET - TYPE H



NOTES:
1. THIS DETAIL SHALL BE APPLICABLE FOR PROPOSED FRAMES AND GRATES PLACED WITHIN COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18.
2. THE TOP-OF-FRAME ELEVATIONS SHOWN IN THE PLAN AND PROFILE OR DRAINAGE PLAN SHEETS ARE THE SAME AS THE EDGE OF PAVEMENT ELEVATIONS FOR P.C. CONCRETE PAVEMENTS AND 0.02' LOWER FOR BITUMINOUS PAVEMENTS THAN THE ADJACENT PROPOSED EDGE OF PAVEMENT ELEVATION.

DRAINAGE STRUCTURE FRAME AND GRATE DETAIL FOR COMB. CONC. CURB AND GUTTER, TYPE B.6-18



NOTES:
1. THIS DETAIL SHALL BE APPLICABLE FOR PROPOSED FRAMES AND GRATES PLACED WITHIN COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24.
2. THE TOP-OF-FRAME ELEVATIONS SHOWN IN THE PLAN AND PROFILE OR DRAINAGE PLAN SHEETS ARE 0.03' LOWER FOR P.C. CONCRETE PAVEMENTS AND 0.05' LOWER FOR BITUMINOUS PAVEMENTS THAN THE ADJACENT PROPOSED EDGE OF PAVEMENT ELEVATION.

DRAINAGE STRUCTURE FRAME AND GRATE DETAIL FOR COMB. CONC. CURB AND GUTTER, TYPE B.6-24

SIDEWALK GENERAL NOTES

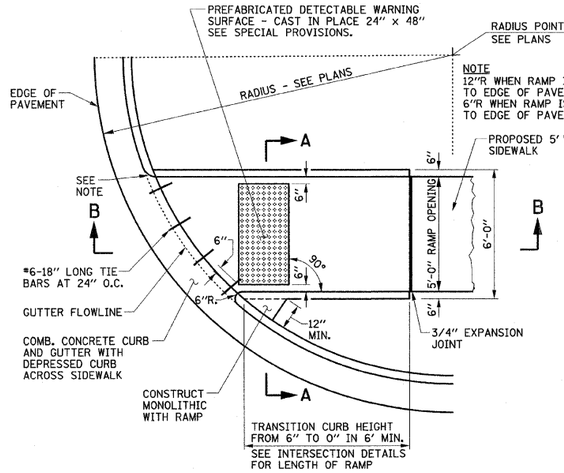
THE COST OF CONSTRUCTING THE DEPRESSED CURB AS SHOWN SHALL BE CONSIDERED INCLUDED IN THE COST OF CONSTRUCTING COMBINATION CONCRETE CURB AND GUTTER AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE COST OF FURNISHING AND INSTALLING THE 3/4" EXPANSION JOINTS AND #6-18" 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 4" AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

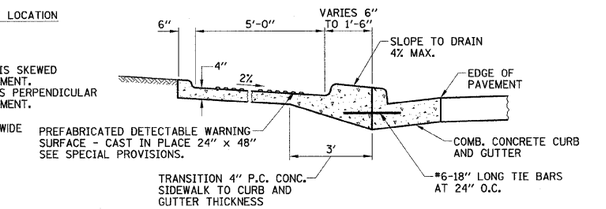
THE DETECTABLE WARNINGS SHALL BE A CAST IN PLACE PREFABRICATED DETECTABLE WARNING SURFACE SYSTEM 24" x 48" WITH TRUNCATED DOMES IN ACCORDANCE WITH STANDARD 424001, SECTION 424 OF THE STANDARD SPECIFICATIONS, AND THE SPECIAL PROVISIONS. THE DETECTABLE WARNINGS SHALL BE COLORED WITH A CONTRASTING COLOR APPROVED BY THE ENGINEER. THE DETECTABLE WARNINGS WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR DETECTABLE WARNINGS.

THE NORMAL CROSS SLOPES OF SIDEWALKS SHALL BE 2.0% EXCEPT AT THE RAMP LOCATIONS.

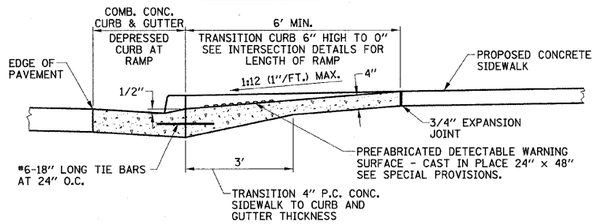
TRANSVERSE GROOVED JOINTS SHALL BE PLACED IN THE P.C. CONCRETE SIDEWALK 4" AT 5' CENTERS AND 3/4" EXPANSION JOINTS AT 100' CENTERS.



PLAN

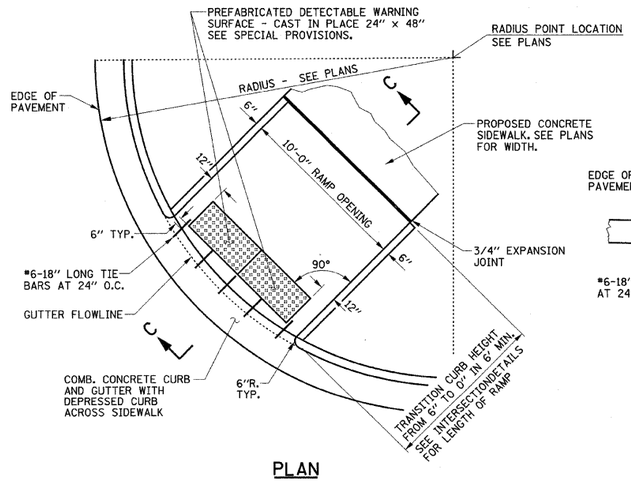


SECTION A-A

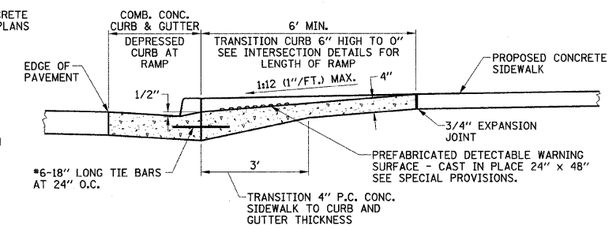


SECTION B-B

5' WIDE CONCRETE SIDEWALK RAMP DETAILS



PLAN



SECTION C-C

PEDESTRIAN TRAIL RAMP DETAILS

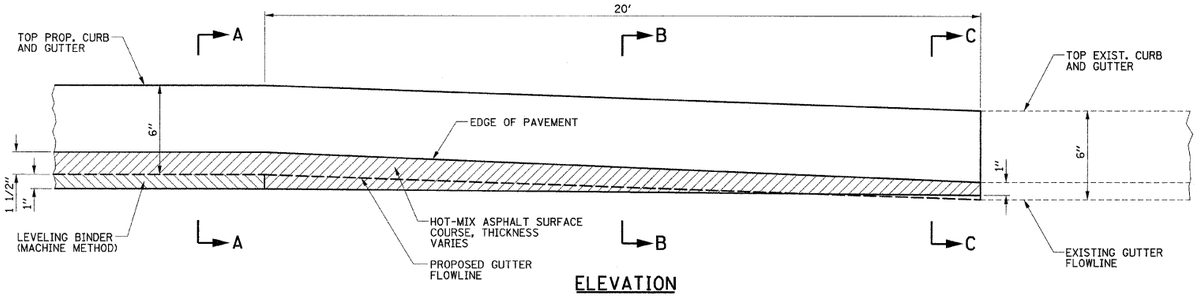
ILLINOIS DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS

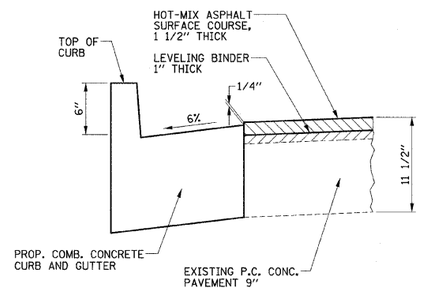
DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : NONE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	90
STA.		TO STA.		
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

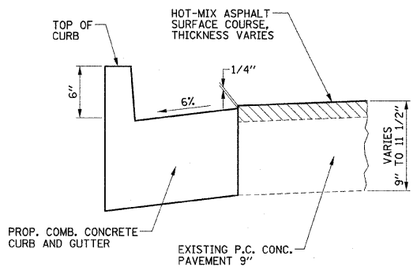
CONTRACT NO. 91351



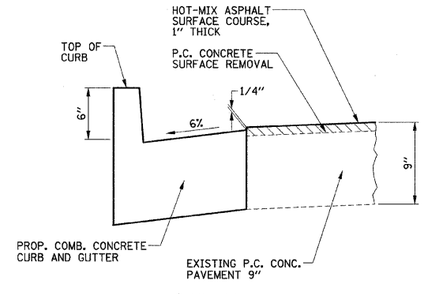
ELEVATION



SECTION A-A



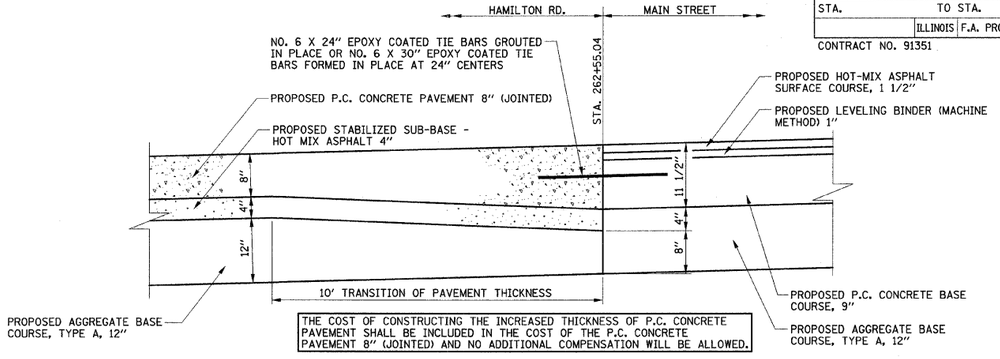
SECTION B-B



SECTION C-C

CURB AND GUTTER TRANSITION DETAILS

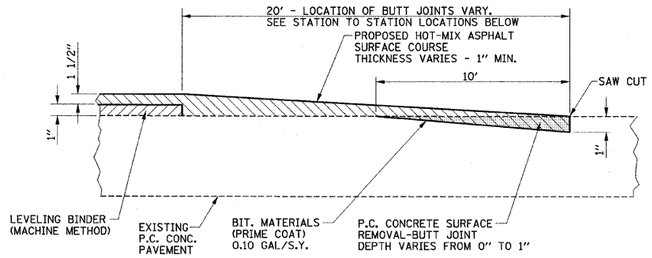
NO SCALE
STA. 501+37 LT. & RT. TO STA. 501+57 LT. & RT.



THE COST OF CONSTRUCTING THE INCREASED THICKNESS OF P.C. CONCRETE PAVEMENT SHALL BE INCLUDED IN THE COST OF THE P.C. CONCRETE PAVEMENT 8" (JOINTED) AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

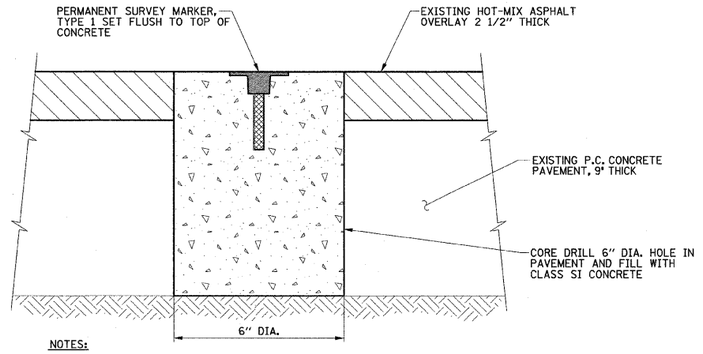
SECTION G-G

P.C. CONCRETE PAVEMENT THICKNESS TRANSITION WHERE HAMILTON RD. MEETS MAIN STREET



HOT-MIX ASPHALT BUTT-JOINT DETAIL

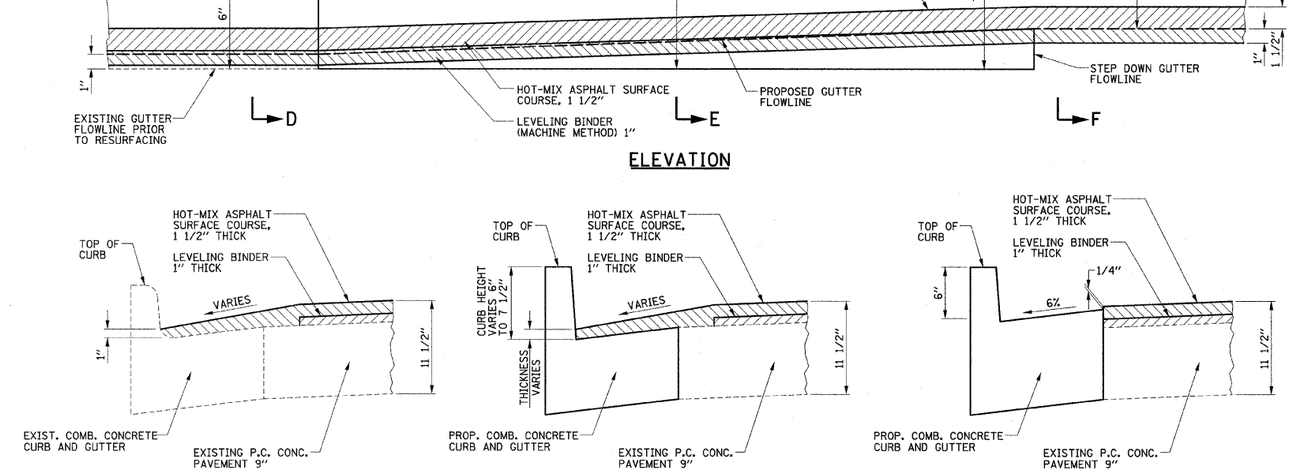
NO SCALE
STA. 501+37 TO STA. 501+57



NOTES:

1. THE PERMANENT SURVEY MARKER, TYPE 1 SHALL BE IN ACCORDANCE WITH STANDARD 667101 AND SECTION 667 OF THE STANDARD SPECIFICATIONS.
2. REFERENCING OF THE EXISTING P.K. NAIL SET ON THE PAVEMENT 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 (SPECIAL) WHICH PRICE SHALL INCLUDE ALL LABOR AND MATERIALS AS SHOWN ON THE DETAIL, INCLUDING SETTING AND MARKING THE SURVEY MARKER BY AN ILLINOIS PROFESSIONAL LAND SURVEYOR AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

PERMANENT SURVEY MARKER (SPECIAL) STA. 298+07.09



ELEVATION

SECTION D-D

SECTION E-E

SECTION F-F

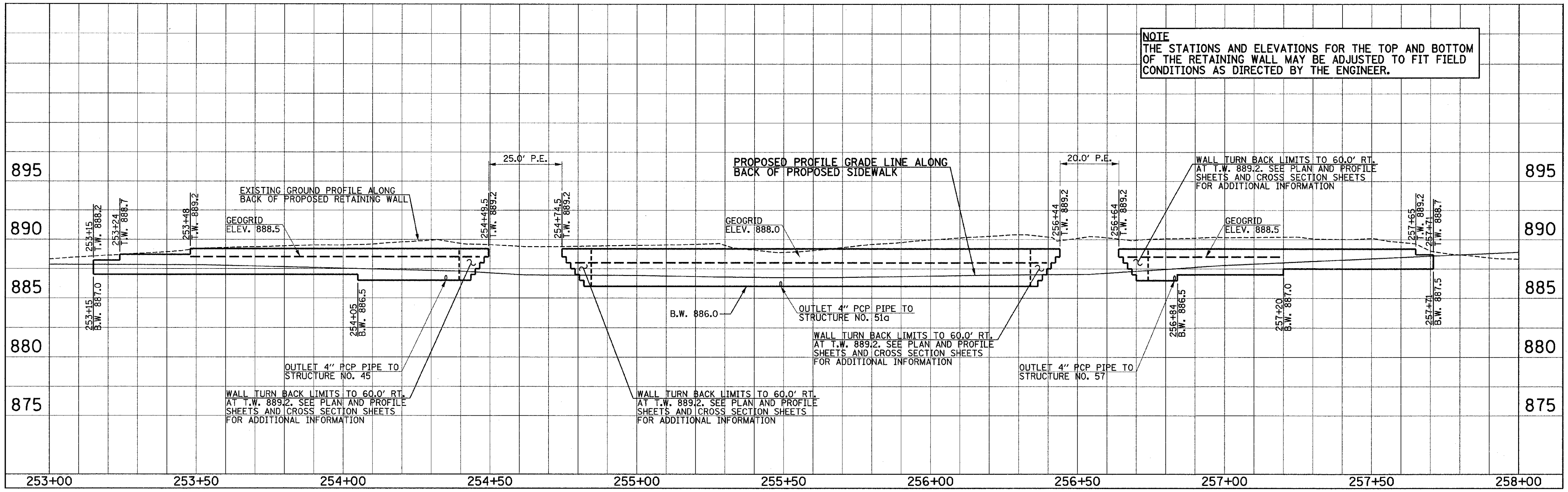
CURB AND GUTTER TRANSITION DETAILS

NO SCALE
STA. 294+16.00 RT. TO STA. 294+36.00 RT.
STA. 297+45.80 LT. TO STA. 297+65.80 LT.
STA. 300+02.48 RT. TO STA. 300+22.48 RT.
STA. 303+48.00 LT. TO STA. 303+68.00 LT.

ILLINOIS DEPARTMENT OF TRANSPORTATION

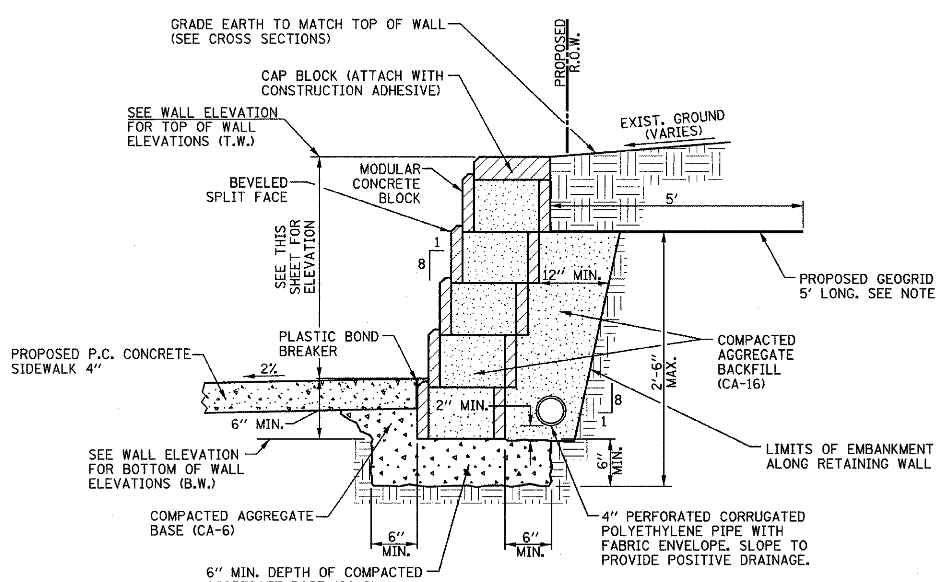
MISCELLANEOUS DETAILS

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : NONE



MODULAR BLOCK RETAINING WALL ELEVATION - LOOKING NORTH

SCALE : 1"=20' HOR.
1"=5' VERT.



MODULAR BLOCK RETAINING WALL TYPICAL SECTION

NO SCALE

NOTES:

1. THE STATIONS, OFFSETS AND ELEVATIONS AS SHOWN IN THE DETAIL ARE BASED ON BLOCKS WITH THE FOLLOWING DIMENSIONS:

   STANDARD BLOCK:
   - FRONT FACE WIDTH 18"
   - BACK FACE HEIGHT 6"
   - FRONT TO BACK DEPTH 12"

   SET BACK: 0.75" PER BLOCK

2. THE ACTUAL STATIONS, OFFSETS AND ELEVATIONS MAY VARY FROM THE DETAIL WITH THE APPROVAL OF THE ENGINEER.
3. EXCAVATION, BACKFILL, 4" POLYETHYLENE PIPE, COMPACTED AGGREGATE BASE (CA-6), AND COMPACTED AGGREGATE BACKFILL (CA-16) SHALL BE CONSIDERED INCLUDED IN THE COST PER SQUARE FOOT FOR MODULAR BLOCK RETAINING WALL.
4. COLOR OF THE MODULAR BLOCK SHALL BE "TAN" TO MATCH THE EXISTING RETAINING WALLS IN THE AREA OR AS DIRECTED BY THE ENGINEER.
5. THE APPROXIMATE FRONT FACE SURFACE AREA OF THE MODULAR BLOCK RETAINING WALL = 1236 SQ FT
6. THE 4" POLYETHYLENE PIPE SHALL BE INSTALLED CONTINUOUS ALONG THE BACK SIDE OF THE RETAINING WALL AND SHALL OUTLET INTO THE NEAREST STORM SEWER MANHOLE OR INLET.
7. THE FACE OF THE BLOCK WALL SHALL BE COVERED WITH PLASTIC OR OTHER MATERIAL DURING THE SIDEWALK CONSTRUCTION TO PREVENT SPLATTERING OF CONCRETE ON THE BLOCK WALL.
8. THE GEOGRID MAY BE CUT AND OMITTED AS DIRECTED BY THE ENGINEER WHERE IT IS IN CONFLICT WITH TREE ROOTS.

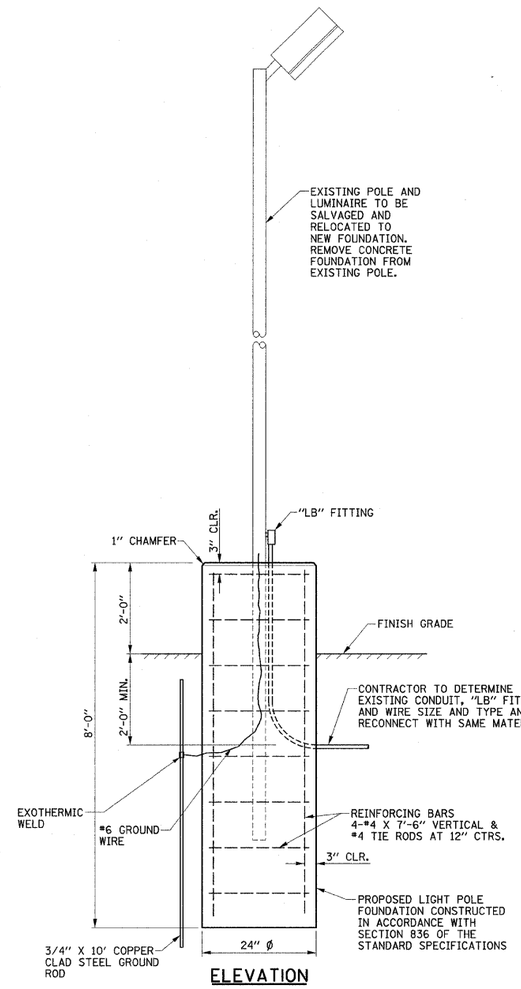
ILLINOIS DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS

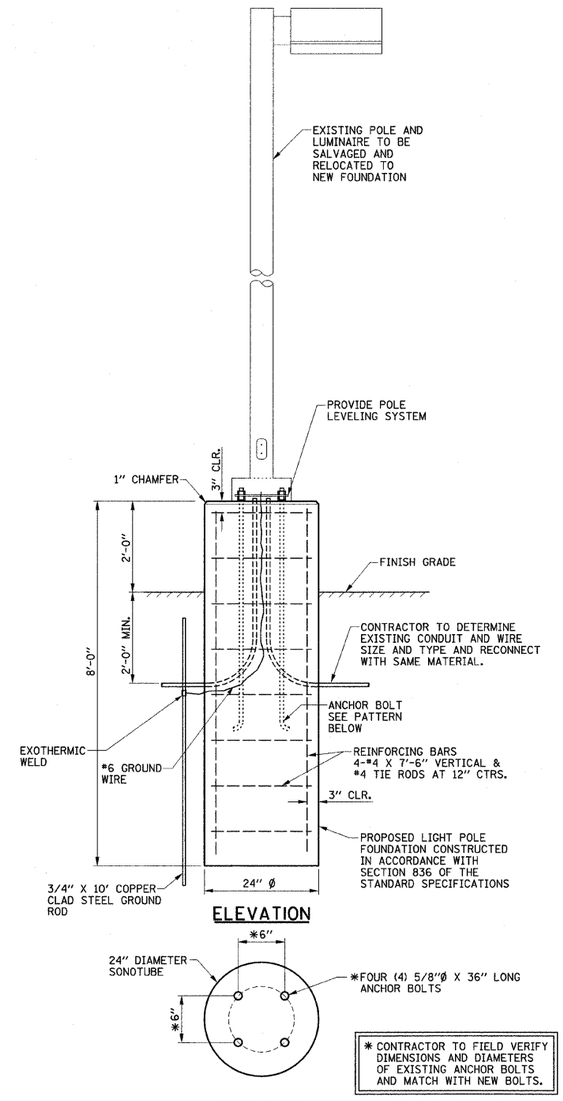
DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : NONE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	92
STA.		TO STA.		
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

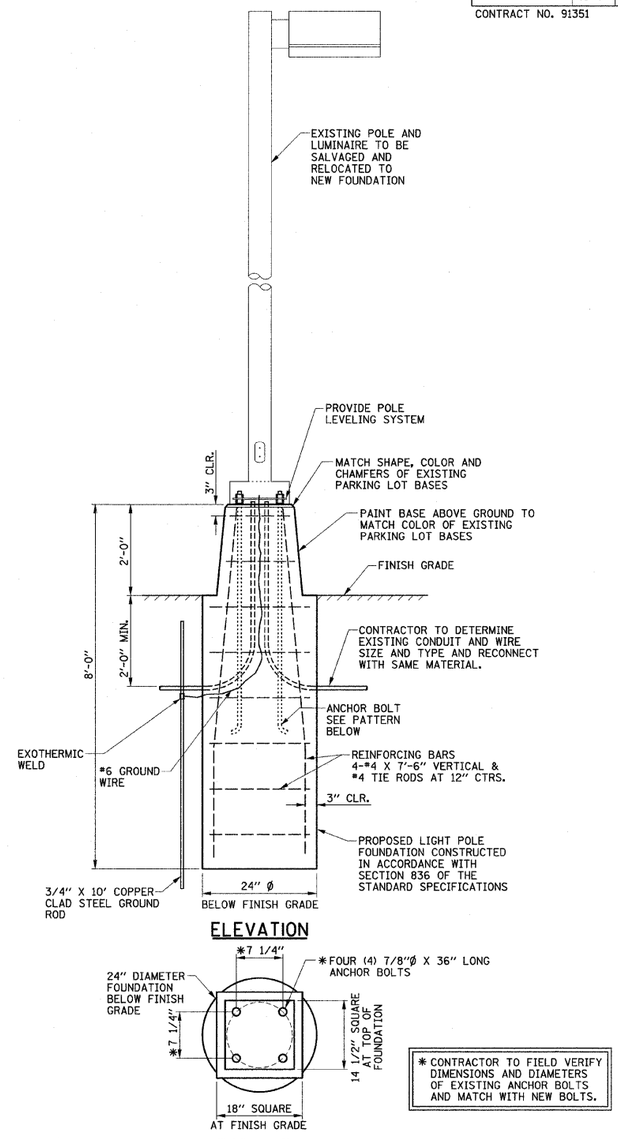
CONTRACT NO. 91351



LIGHT POLE FOUNDATION DETAIL
STA. 252+30, 62.0' LT.
NO SCALE



LIGHT POLE FOUNDATION DETAIL
STA. 259+08, 48.0' RT.
NO SCALE



LIGHT POLE FOUNDATION DETAIL
STA. 299+77, 67.5' LT.
NO SCALE

FOUNDATION GENERAL NOTES

THE LIGHT POLE FOUNDATION WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR LIGHT POLE FOUNDATION (SPECIAL) WHICH SHALL INCLUDE ALL MATERIALS AND LABOR INCLUDING CONCRETE, REINFORCEMENT BARS, ANCHOR BOLTS, GROUNDING AND PAINTING. THE COST OF CONSTRUCTING FOUNDATIONS OF VARIOUS SHAPES AND PAINTING WILL NOT BE PAID FOR SEPARATELY.

SALVAGING AND INSTALLING THE EXISTING LIGHT POLES AND LUMINAIRES AND FURNISHING AND INSTALLING THE CONDUITS AND WIRING WILL BE PAID FOR AS RELOCATE EXISTING LIGHTING UNIT. SEE THE SPECIAL PROVISIONS.

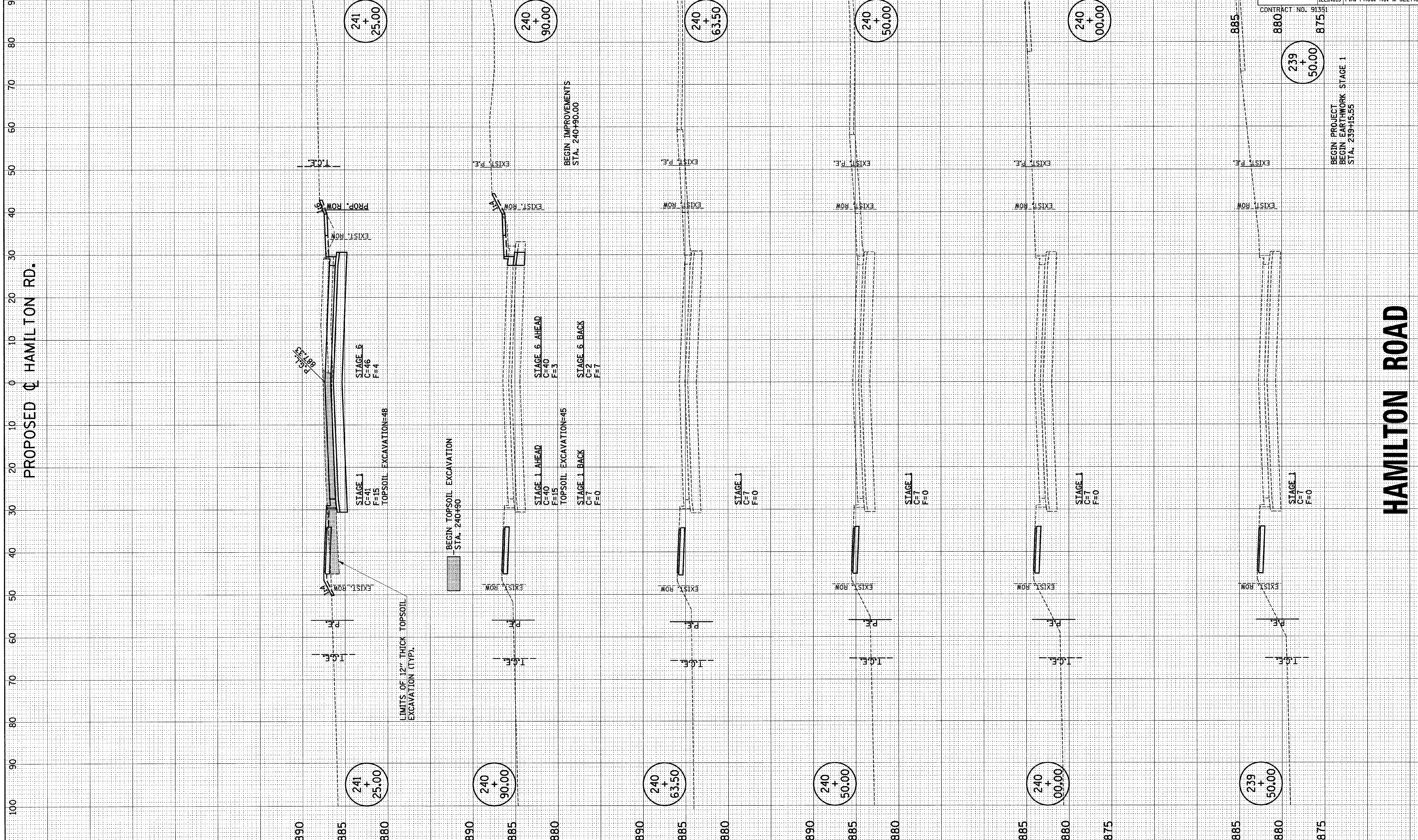
ILLINOIS DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS

DATE : 6-09
DRAWN BY : J.L.B.
CHECKED BY : R.L.H.
SCALE : NONE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	93
STA. 239+50.00	TO STA. 241+25.00			
		ILLINOIS	F.A. PROJ. NO. M-5227(046)	

CONTRACT NO. 91351



PROPOSED ℄ HAMILTON RD.
HAMILTON ROAD
241+25.00
240+90.00
240+63.50
240+50.00
240+00.00
239+50.00
BEGIN IMPROVEMENTS STA. 240+90.00
BEGIN PROJECT BEGIN EARTHWORK STAGE 1 STA. 239+15.55
BEGIN TOPSOIL EXCAVATION STA. 240+90
LIMITS OF 12" THICK TOPSOIL EXCAVATION (TYP).
STAGE 6 C=46 F=4
STAGE 1 C=41 F=15 TOPSOIL EXCAVATION=48
STAGE 6 AHEAD C=40 F=3
STAGE 6 BACK C=2 F=7
STAGE 1 AHEAD C=40 F=15 TOPSOIL EXCAVATION=45
STAGE 1 BACK C=7 F=0
STAGE 1 C=7 F=0
PROP. ROW
EXIST. ROW
EXIST. P.E.
P.E.
T.C.E.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	94
STA. 241+60.40		TO STA. 243+82.40		
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

PROPOSED ℄ HAMILTON RD.

HAMILTON ROAD

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

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

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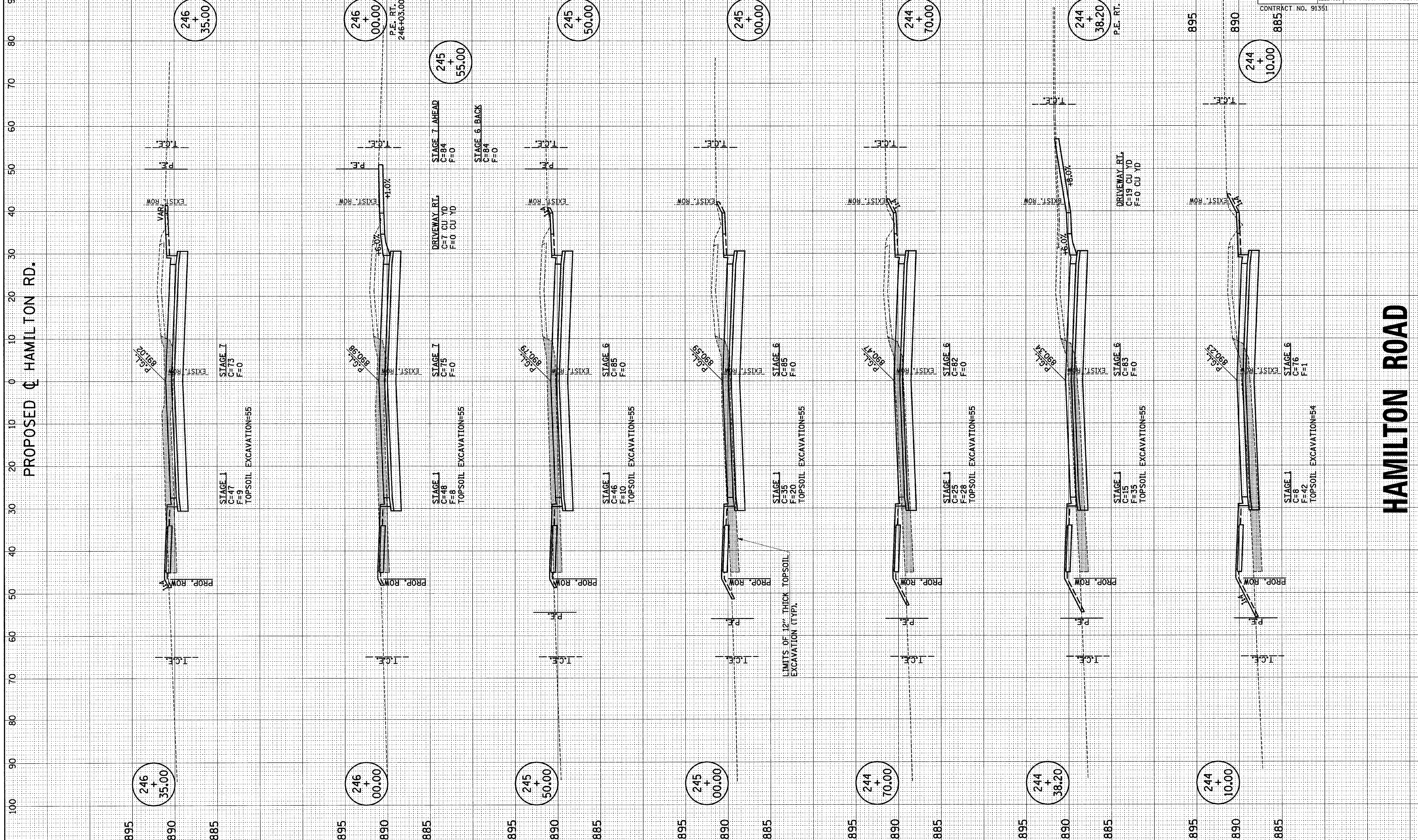
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	95
STA. 244+10.00 TO STA. 246+35.00				
ILLINOIS	F.A. PROJ. NO. M-5227(046)			

CONTRACT NO. 91351



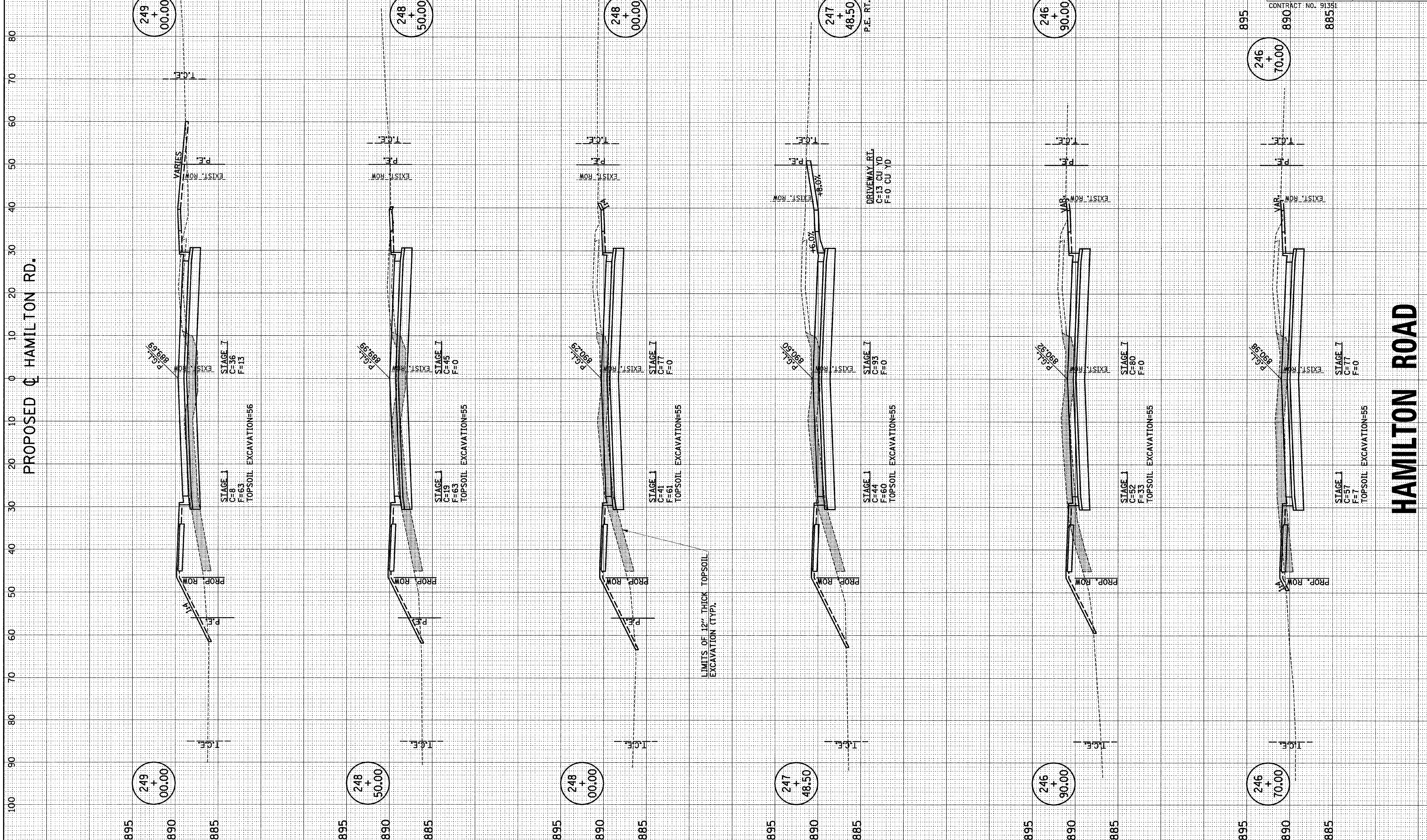
PROPOSED ℄ HAMILTON RD.
HAMILTON ROAD
246+35.00
STAGE 7 C=73 F=0
STAGE 1 C=47 F=9 TOPSOIL EXCAVATION=55
246+00.00
P.E. RT. 246+03.00
STAGE 7 C=75 F=0
STAGE 1 C=48 F=8 TOPSOIL EXCAVATION=55
DRIVEWAY RT. C=7 CU YD F=0 CU YD
STAGE 7 AHEAD C=84 F=0
STAGE 6 BACK C=84 F=0
245+55.00
245+50.00
STAGE 6 C=85 F=0
STAGE 1 C=46 F=10 TOPSOIL EXCAVATION=55
245+00.00
STAGE 6 C=85 F=0
STAGE 1 C=35 F=20 TOPSOIL EXCAVATION=55
LIMITS OF 12" THICK TOPSOIL EXCAVATION (TYP).
244+70.00
STAGE 6 C=82 F=0
STAGE 1 C=25 F=28 TOPSOIL EXCAVATION=55
244+38.20
P.E. RT.
DRIVEWAY RT. C=19 CU YD F=0 CU YD
STAGE 6 C=83 F=0
STAGE 1 C=15 F=35 TOPSOIL EXCAVATION=55
244+10.00
STAGE 6 C=76 F=1
STAGE 1 C=8 F=42 TOPSOIL EXCAVATION=54
P.G.L. 891.02
P.G.L. 890.98
P.G.L. 890.79
P.G.L. 890.59
P.G.L. 890.41
P.G.L. 890.34
P.G.L. 890.23
T.C.E.
P.E.
EXIST. ROW
PROP. ROW

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	96

STA. 246+70.00 TO STA. 249+00.00

ILLINOIS F.A. PROJ. NO. M-5227(046)

CONTRACT NO. 91351



PROPOSED ℄ HAMILTON RD.
HAMILTON ROAD
249+00.00
248+50.00
248+00.00
247+48.50
P.E. RT.
246+90.00
246+70.00
T.C.E.
P.E.
EXIST. ROW
PROP. ROW
VARIES
P.G.L. 889.69
P.G.L. 889.95
P.G.L. 890.29
P.G.L. 890.60
P.G.L. 890.92
P.G.L. 890.98
STAGE 7 C=36 F=13
STAGE 7 C=45 F=0
STAGE 7 C=77 F=0
STAGE 7 C=93 F=0
STAGE 7 C=80 F=0
STAGE 7 C=77 F=0
STAGE 1 C=8 F=63 TOPSOIL EXCAVATION=56
STAGE 1 C=19 F=63 TOPSOIL EXCAVATION=55
STAGE 1 C=41 F=61 TOPSOIL EXCAVATION=55
STAGE 1 C=44 F=60 TOPSOIL EXCAVATION=55
STAGE 1 C=52 F=33 TOPSOIL EXCAVATION=55
STAGE 1 C=57 F=7 TOPSOIL EXCAVATION=55
DRIVEWAY RT. C=13 CU YD F=0 CU YD
+6.0%
+8.0%
LIMITS OF 12" THICK TOPSOIL EXCAVATION (TYP).

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	97
STA. 249+31.80		TO STA. 251+50.00		
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

PROPOSED ℄ HAMILTON RD.

DICKERSON DR. RT. SKEWED 88°59'30" RT.

HAMILTON ROAD

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

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

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CITY OF BLOOMINGTON SECTION NO. 93-00295-03-PV MCLEAN COUNTY HAMILTON ROAD SHEET 97 OF 109 SHEETS B0110094

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

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

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PROPOSED ℄ HAMILTON RD.

254 + 25.00
STAGE 2 AHEAD
C=73
F=19
STAGE 1 BACK
C=73
F=19

254 + 17.50
STAGE 1
C=72
F=26

254 + 00.00
T.C.E.
-8.0%
P.E.
PROP. ROW
+4.0%
EXIST. ROW
P.G.L. 886.65
1:4
P.E.
EXIST. ROW
T.C.E.
254 + 00.00
C.E. LT.

ENTRANCE LT.
C=6 CU YD
F=9 CU YD

STAGE 1
C=61
F=15

STAGE 8
C=131
F=0

253 + 82.50
STAGE 1
C=72
F=26

253 + 50.00
PROP. ROW
1:4
2.00%
EXIST. ROW
P.G.L. 886.99
1.00%
EXIST. ROW
P.E.
T.C.E.
253 + 50.00

STAGE 1
C=61
F=37

STAGE 8
C=101
F=0

END TOPSOIL EXCAVATION
STA. 253+00

253 + 00.00
P.E.
PROP. ROW
EXIST. ROW
P.G.L. 887.25
0.00%
1:4
EXIST. ROW
P.E.
T.C.E.
T.C.E.
253 + 00.00

STAGE 1 AHEAD
C=39
F=51

STAGE 8 AHEAD
C=74
F=0

LIMITS OF EARTH UNDERCUT
12" THICK (TYP).

STAGE 1 BACK
C=31
F=51
TOPSOIL EXCAVATION=11

STAGE 8 BACK
C=71
F=0

252 + 61.70
P.E.
PROP. ROW
EXIST. ROW
P.G.L. 887.52
0.95%
+3.10%
T.C.E.
252 + 61.70
RODGERS RD. RT.
SKEWED
87°40'00" RT.

STAGE 1
C=22
F=60
TOPSOIL EXCAVATION=21

STAGE 8
C=94
F=1

BEGIN EARTH UNDERCUT
STA. 252+38

252 + 38.00
STAGE 1 AHEAD
C=13
F=72
TOPSOIL EXCAVATION=38

STAGE 1 BACK
C=1
F=59
TOPSOIL EXCAVATION=38

252 + 32.00
T.C.E.
P.E.
PROP. ROW
EXIST. ROW
P.G.L. 887.70
1.70%
VARIES
EXIST. ROW
T.C.E.
252 + 32.00

STAGE 1
C=0
F=62
TOPSOIL EXCAVATION=54

STAGE 8
C=60
F=1

LIMITS OF 12" THICK TOPSOIL
EXCAVATION (TYP).

STAGE 8 AHEAD
C=60
F=1

252 + 30.00

STAGE 7 BACK
C=60
F=1

252 + 00.00
T.C.E.
P.E.
1:4
PROP. ROW
2.00%
EXIST. ROW
P.G.L. 887.89
2.00%
VARIES
EXIST. ROW
T.C.E.
252 + 00.00

STAGE 1
C=15
F=32
TOPSOIL EXCAVATION=55

STAGE 7
C=62
F=2

HAMILTON ROAD

CITY OF BLOOMINGTON SECTION NO. 93-00295-03-PV MCLEAN COUNTY HAMILTON ROAD SHEET 98 OF 109 SHEETS B0110094

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	98
STA. 252+00.00	TO STA. 254+00.00	ILLINOIS F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

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

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

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PROPOSED ℄ HAMILTON RD.

255 + 77.20

STAGE 2
C=95
F=6

255 + 67.20

F.F.=885.10
P.E. 884.90
-7.20%
885.69
+2.0%
2.00%
EXIST. ROW
P.G.L. 885.41
1.00%
EXIST. ROW
PROP. ROW
P.E.
T.C.E.
4'
T.C.E.
PROP. ROW

ENTRANCE LT.
C=6 CU YD
F=0 CU YD

STAGE 2
C=92
F=3

STAGE 8
C=161
F=0

255 + 67.20 C.E. LT.

255 + 57.20

STAGE 2
C=95
F=6

255 + 47.00

F.F.=885.10
1:4
PROP. ROW
EXIST. ROW
P.G.L. 885.31
EXIST. ROW
PROP. ROW
VARIES
P.E.
T.C.E.
T.C.E.
P.E.

STAGE 2
C=90
F=7

STAGE 8
C=155
F=0

255 + 47.00

255 + 28.00

T.C.E.
P.E.
PROP. ROW
EXIST. ROW
P.G.L. 885.25
EXIST. ROW
PROP. ROW
P.E.
T.C.E.

LIMITS OF EARTH UNDERCUT
12" THICK (TYP).

STAGE 2
C=91
F=7

STAGE 8
C=154
F=0

255 + 28.00

255 + 00.00

T.C.E.
P.E.
PROP. ROW
EXIST. ROW
P.G.L. 886.03
EXIST. ROW
PROP. ROW
P.E.
T.C.E.

STAGE 2
C=87
F=6

STAGE 8
C=144
F=0

255 + 00.00

254 + 62.00

T.C.E.
P.E.
PROP. ROW
EXIST. ROW
P.G.L. 886.12
+8.0%
EXIST. ROW
PROP. ROW
P.E.
+10.0%
T.C.E.

DRIVEWAY RT.
C=95 CU YD
F=0 CU YD

STAGE 2
C=79
F=14

STAGE 8
C=174
F=0

254 + 62.00 P.E. RT.

254 + 40.00

T.C.E.
P.E.
1:4
PROP. ROW
EXIST. ROW
P.G.L. 886.45
2.00%
EXIST. ROW
1.00%
PROP. ROW
P.E.
VARIES
+6.0%
T.C.E.

STAGE 2
C=76
F=16

STAGE 8
C=169
F=0

254 + 40.00

HAMILTON ROAD

CITY OF BLOOMINGTON SECTION NO. 93-00295-03-PV MCLEAN COUNTY HAMILTON ROAD SHEET 99 OF 109 SHEETS B0110094

CONTRACT NO. 93581

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	99
STA. 254+40.00	TO STA. 255+67.20			

ILLINOIS F.A. PROJ. NO. M-5227(046)

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	100
STA. 256+17.80		TO STA. 258+00.00		
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

HAMILTON ROAD

PROPOSED ℄ HAMILTON RD.

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

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

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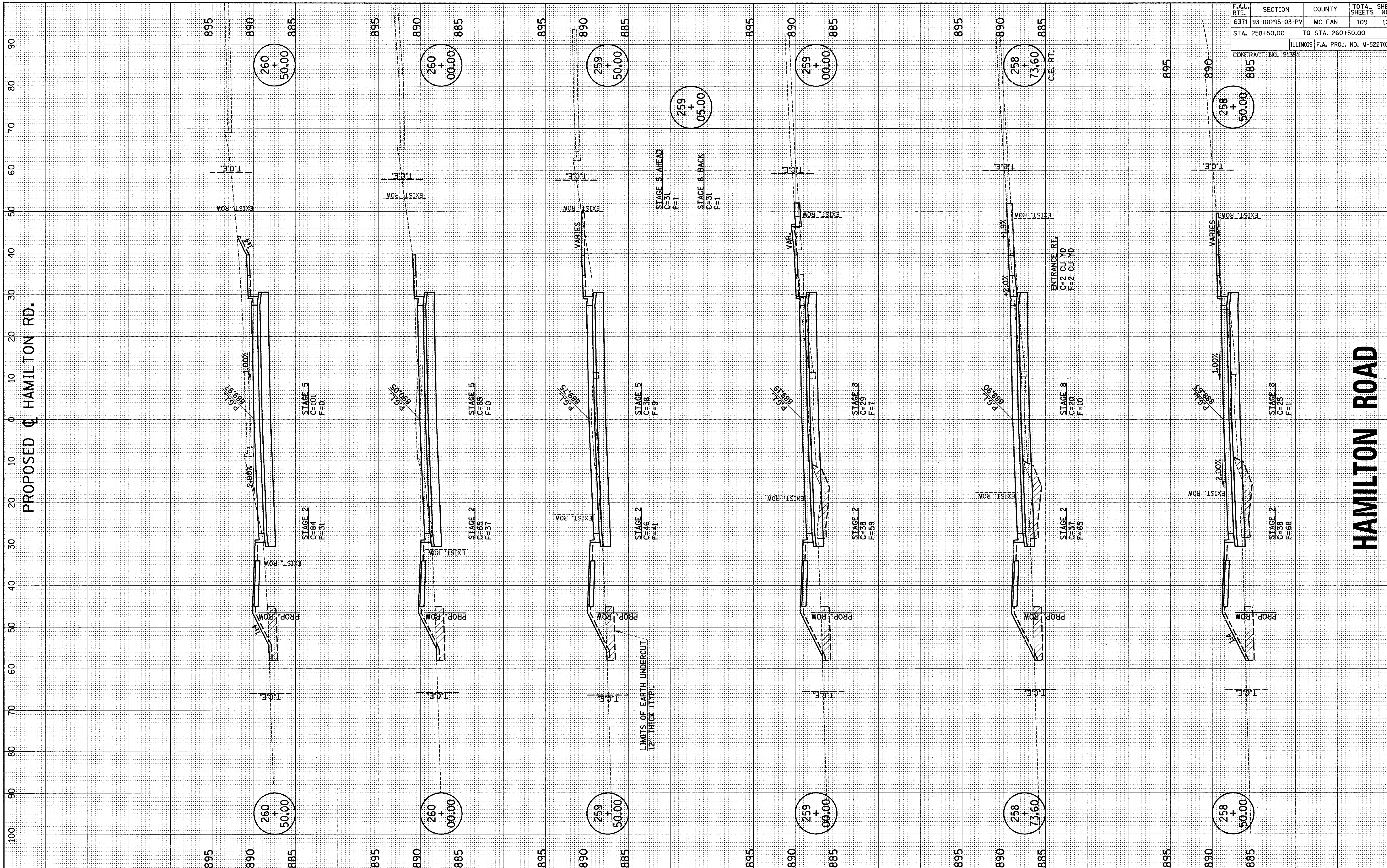
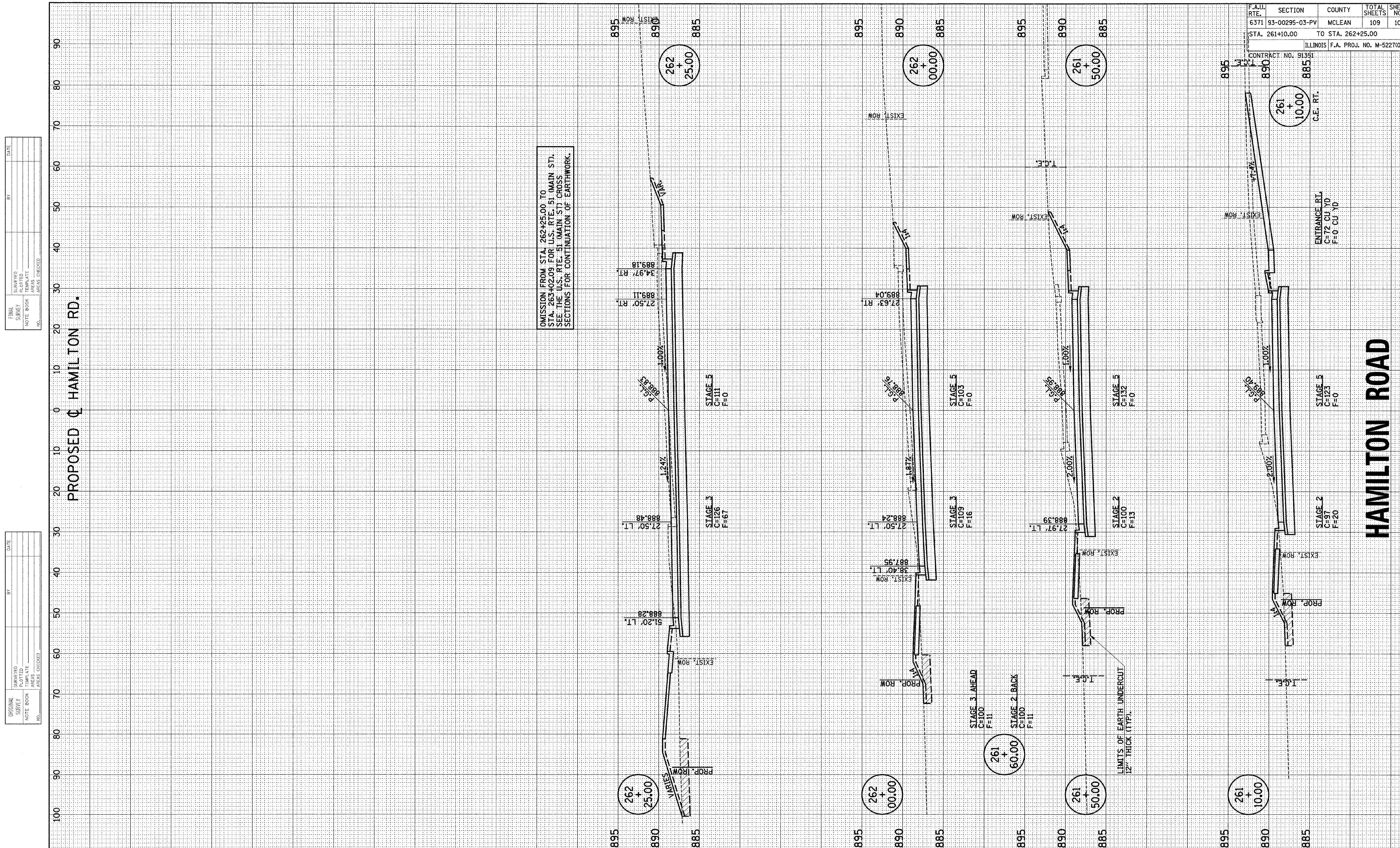
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	101
STA. 258+50.00	TO STA. 260+50.00			
		ILLINOIS	F.A. PROJ. NO. M-5227(046)	

CONTRACT NO. 91351

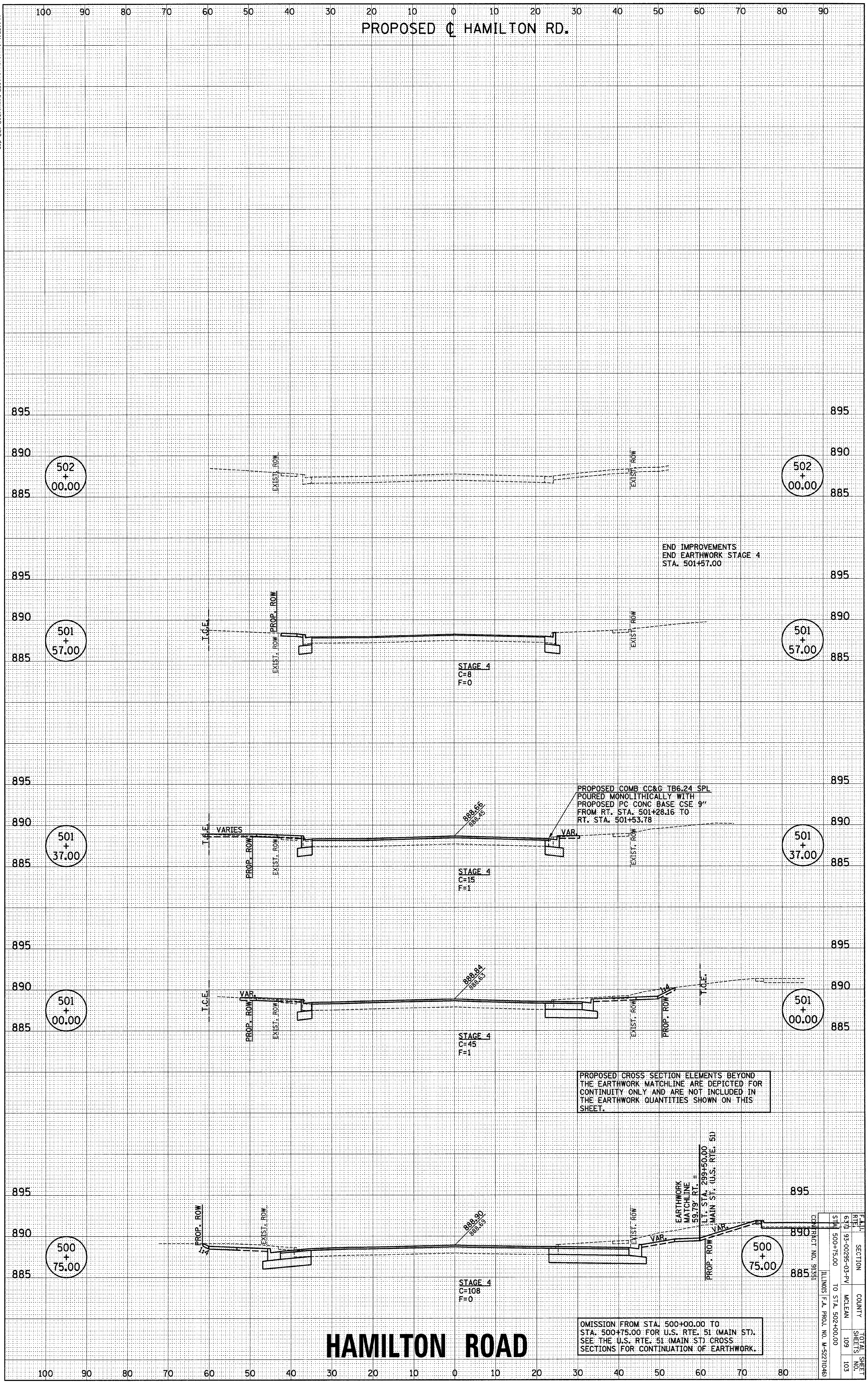


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	102
STA. 261+10.00	TO STA. 262+25.00			
		ILLINOIS	F.A. PROJ. NO. M-5227(046)	
CONTRACT NO. 91351				



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

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



PROPOSED ℄ HAMILTON RD.
502 + 00.00
EXIST. ROW
501 + 57.00
END IMPROVEMENTS
END EARTHWORK STAGE 4
STA. 501+57.00
T.C.E.
EXIST. ROW
PROP. ROW
STAGE 4
C=8
F=0
501 + 37.00
PROPOSED COMB CC&G TB6.24 SPL
POURED MONOLITHICALLY WITH
PROPOSED PC CONC BASE CSE 9"
FROM RT. STA. 501+28.16 TO
RT. STA. 501+53.78
VARIES
VAR.
888.66
888.45
STAGE 4
C=15
F=1
501 + 00.00
888.84
888.63
STAGE 4
C=45
F=1
PROPOSED CROSS SECTION ELEMENTS BEYOND
THE EARTHWORK MATCHLINE ARE DEPICTED FOR
CONTINUITY ONLY AND ARE NOT INCLUDED IN
THE EARTHWORK QUANTITIES SHOWN ON THIS
SHEET.
500 + 75.00
EARTHWORK
MATCHLINE
59.79' RT. =
LT. STA. 299+50.00
MAIN ST. (U.S. RTE. 51)
888.90
888.69
STAGE 4
C=108
F=0
OMISSION FROM STA. 500+00.00 TO
STA. 500+75.00 FOR U.S. RTE. 51 (MAIN ST).
SEE THE U.S. RTE. 51 (MAIN ST) CROSS
SECTIONS FOR CONTINUATION OF EARTHWORK.
HAMILTON ROAD

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	103
STA. 500+75.00 TO STA. 502+00.00				
		ILLINOIS	F.A. PROJ. NO. M-5227(046)	

CONTRACT NO. 91351

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

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

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CITY OF BLOOMINGTON SECTION NO. 93-00295-03-PV MCLEAN COUNTY

U.S. RTE. 51 (MAIN STREET) SHEET 104 OF 109 SHEETS B0110094

PROPOSED ℄ U.S. RTE. 51 (MAIN ST.)

295 + 50.00

EXIST. ROW

EXIST. ROW

T.C.E.

STAGE 4 RT.
C=16
F=0

295 + 00.00

EXIST. ROW

EXIST. ROW

T.C.E.

STAGE 4 RT.
C=12
F=1

294 + 50.00

PROPOSED COMB CC&G TB6.24 SPL
POURED MONOLITHICALLY WITH
PROPOSED PC CONC BASE CSE 9"
FROM RT. STA. 294+16.00 TO
RT. STA. 294+92.92

EXIST. ROW

EXIST. ROW

STAGE 4 RT.
C=8
F=0

294 + 36.00

EXIST. ROW

EXIST. ROW

STAGE 4 RT.
C=7
F=0

294 + 16.00

EXIST. ROW

EXIST. ROW

STAGE 4 RT.
C=4
F=0

BEGIN IMPROVEMENTS
BEGIN EARTHWORK STAGE 4
STA. 294+16.00

294 + 00.00

EXIST. ROW

EXIST. ROW

U.S. RTE. 51 (MAIN STREET)

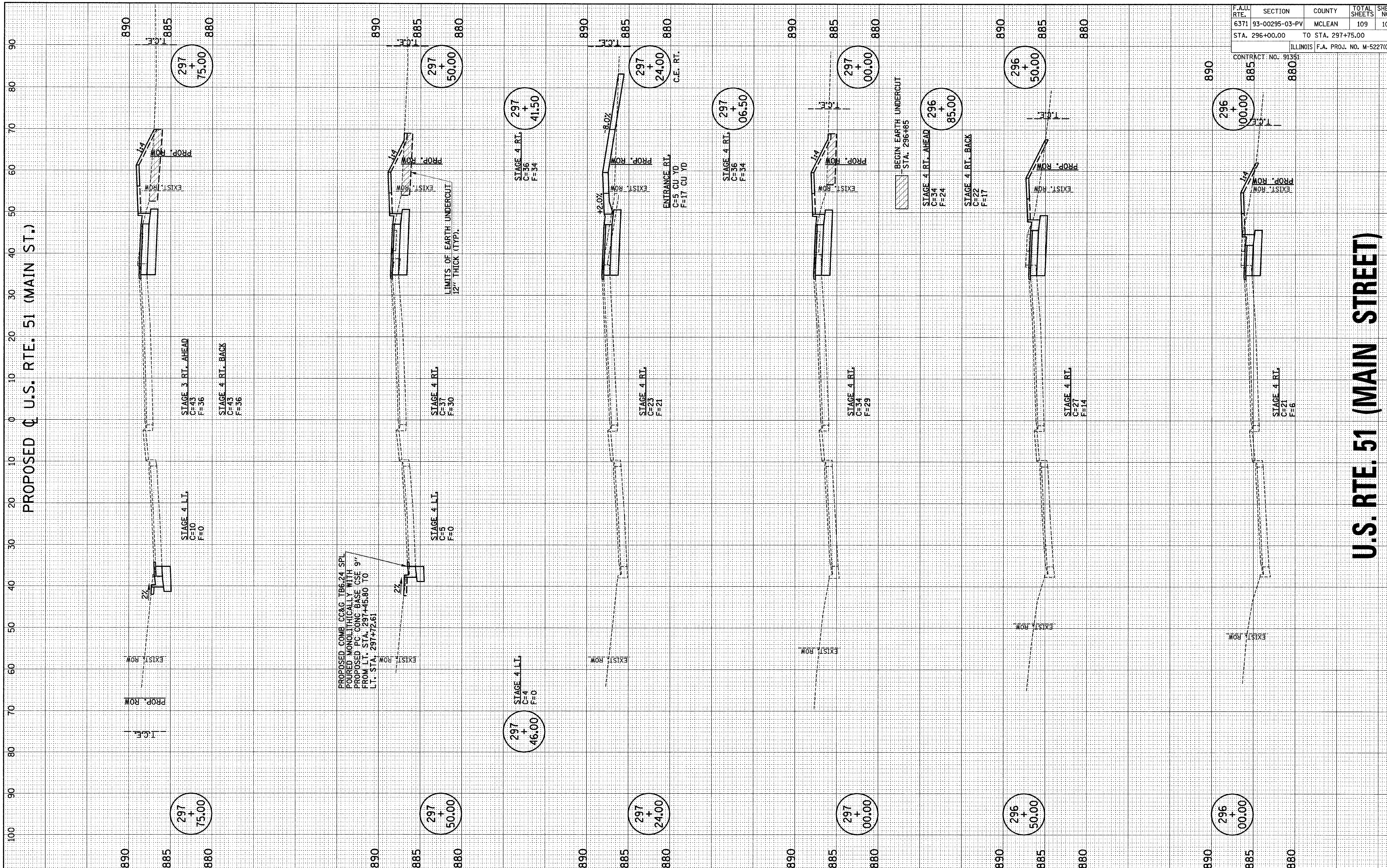
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
6371	93-00295-03-PV	MCLEAN	109
STA. 294+00.00	TO STA. 295+50.00		104

ILLINOIS F.A. PROJ. NO. M-5227(046)

CONTRACT NO. 91351

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	105
STA. 296+00.00 TO STA. 297+75.00				
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

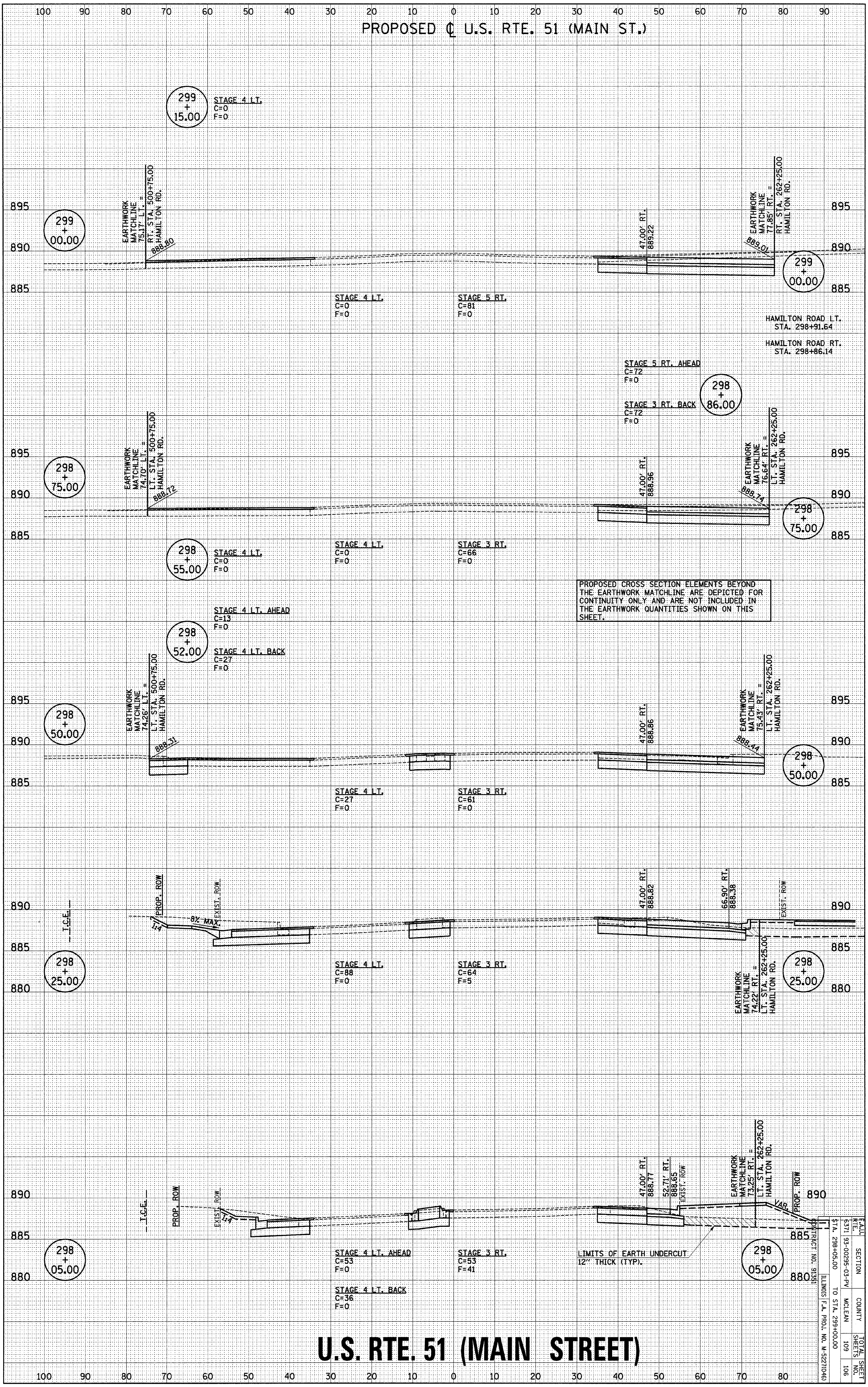


PROPOSED ℄ U.S. RTE. 51 (MAIN ST.)
U.S. RTE. 51 (MAIN STREET)
297+75.00
STAGE 3 RT. AHEAD C=43 F=36
STAGE 4 RT. BACK C=43 F=36
STAGE 4 LT. C=10 F=0
297+50.00
LIMITS OF EARTH UNDERCUT 12" THICK (TYP.)
STAGE 4 RT. C=37 F=30
STAGE 4 LT. C=5 F=0
PROPOSED COMB. CC&G TB6.24 SPL POURED MONOLITHICALLY WITH PROPOSED P.C. CONC. BASE CSE 9" FROM LT. STA. 297+45.80 TO LT. STA. 297+72.61
297+41.50
STAGE 4 RT. C=36 F=34
297+46.00
STAGE 4 LT. C=4 F=0
297+24.00
C.E. RT.
ENTRANCE RT. C=5 CU YD F=17 CU YD
STAGE 4 RT. C=23 F=21
297+06.50
STAGE 4 RT. C=36 F=34
297+00.00
STAGE 4 RT. C=34 F=29
BEGIN EARTH UNDERCUT STA. 296+85
296+85.00
STAGE 4 RT. AHEAD C=34 F=24
STAGE 4 RT. BACK C=22 F=17
296+50.00
STAGE 4 RT. C=27 F=14
296+00.00
STAGE 4 RT. C=21 F=6
T.C.E.
PROP. ROW
EXIST. ROW
1:4
8.0%
+2.0%
2%
890
885
880

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

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

PROPOSED ℄ U.S. RTE. 51 (MAIN ST.)



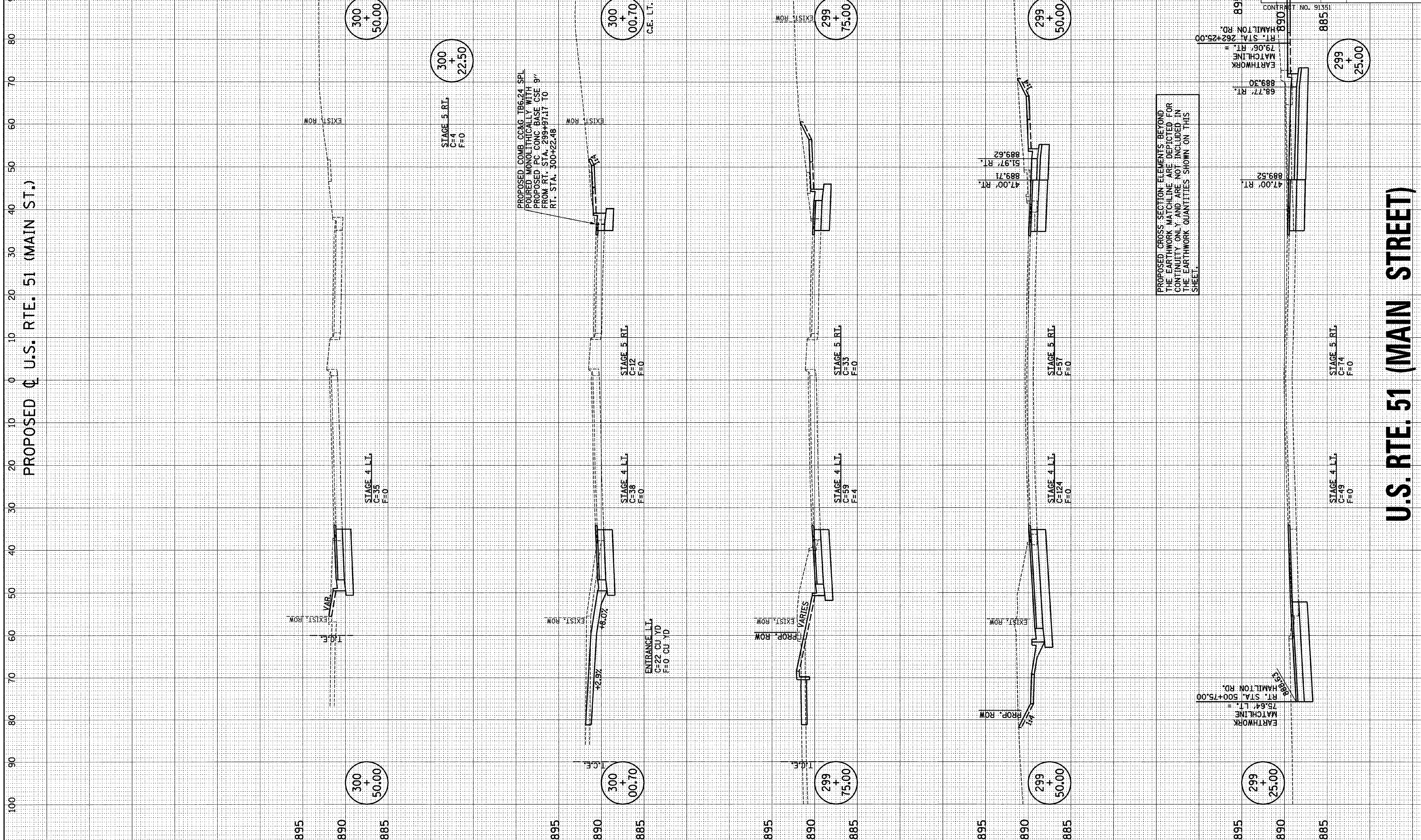
299 + 15.00
STAGE 4 LT. C=0 F=0
299 + 00.00
EARTHWORK MATCHLINE 75.17' LT. = RT. STA. 500+75.00 HAMILTON RD.
888.80
47.00' RT. 889.22
EARTHWORK MATCHLINE 77.85' RT. = RT. STA. 262+25.00 HAMILTON RD.
889.01
STAGE 4 LT. C=0 F=0
STAGE 5 RT. C=81 F=0
HAMILTON ROAD LT. STA. 298+91.64
HAMILTON ROAD RT. STA. 298+86.14
STAGE 5 RT. AHEAD C=72 F=0
298 + 86.00
STAGE 3 RT. BACK C=72 F=0
298 + 75.00
EARTHWORK MATCHLINE 74.70' LT. = LT. STA. 500+75.00 HAMILTON RD.
888.72
47.00' RT. 888.96
EARTHWORK MATCHLINE 76.64' RT. = LT. STA. 262+25.00 HAMILTON RD.
888.74
298 + 55.00
STAGE 4 LT. C=0 F=0
STAGE 4 LT. C=0 F=0
STAGE 3 RT. C=66 F=0
PROPOSED CROSS SECTION ELEMENTS BEYOND THE EARTHWORK MATCHLINE ARE DEPICTED FOR CONTINUITY ONLY AND ARE NOT INCLUDED IN THE EARTHWORK QUANTITIES SHOWN ON THIS SHEET.
STAGE 4 LT. AHEAD C=13 F=0
298 + 52.00
STAGE 4 LT. BACK C=27 F=0
298 + 50.00
EARTHWORK MATCHLINE 74.26' LT. = LT. STA. 500+75.00 HAMILTON RD.
888.31
47.00' RT. 888.86
EARTHWORK MATCHLINE 75.43' RT. = LT. STA. 262+25.00 HAMILTON RD.
888.44
STAGE 4 LT. C=27 F=0
STAGE 3 RT. C=61 F=0
298 + 25.00
T.C.E.
PROP. ROW
EXIST. ROW
8% MAX.
1:4
47.00' RT. 888.82
66.90' RT. 888.38
EXIST. ROW
STAGE 4 LT. C=88 F=0
STAGE 3 RT. C=64 F=5
EARTHWORK MATCHLINE 74.22' RT. = LT. STA. 262+25.00 HAMILTON RD.
298 + 05.00
T.C.E.
PROP. ROW
EXIST. ROW
1:4
47.00' RT. 888.77
52.71' RT. 888.65
EXIST. ROW
EARTHWORK MATCHLINE 73.25' RT. = LT. STA. 262+25.00 HAMILTON RD.
VAR.
PROP. ROW
STAGE 4 LT. AHEAD C=53 F=0
STAGE 3 RT. C=53 F=41
LIMITS OF EARTH UNDERCUT 12" THICK (TYP).
STAGE 4 LT. BACK C=36 F=0

U.S. RTE. 51 (MAIN STREET)

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	106
STA. 298+05.00	TO STA. 299+00.00			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351

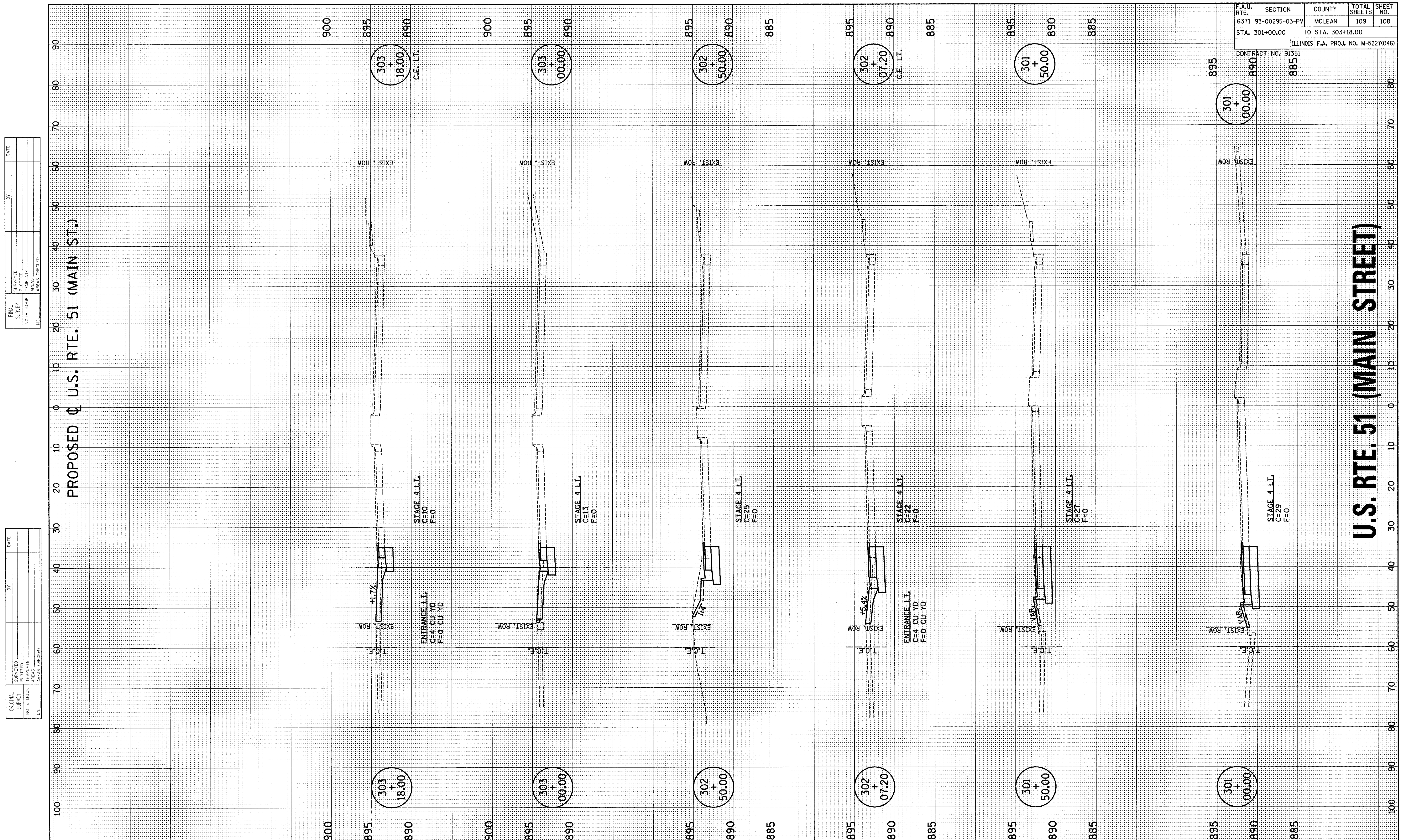
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	107
STA. 299+25.00	TO STA. 300+50.00			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		
CONTRACT NO. 91351				



PROPOSED ℄ U.S. RTE. 51 (MAIN ST.)
U.S. RTE. 51 (MAIN STREET)
PROPOSED CROSS SECTION ELEMENTS BEYOND THE EARTHWORK MATCHLINE ARE DEPICTED FOR CONTINUITY ONLY AND ARE NOT INCLUDED IN THE EARTHWORK QUANTITIES SHOWN ON THIS SHEET.
PROPOSED COMB. CC&G TB6.24 SPL POURED MONOLITHICALLY WITH PROPOSED PC CONC BASE CSE 9" FROM RT. STA. 299+97.17 TO RT. STA. 300+22.48
300+50.00
300+22.50
300+00.70
299+75.00
299+50.00
299+25.00
STAGE 5 RT. C=4 F=0
STAGE 4 LT. C=35 F=0
STAGE 5 RT. C=12 F=0
STAGE 4 LT. C=38 F=0
ENTRANCE LT. C=22 CU YD F=0 CU YD
STAGE 5 RT. C=33 F=0
STAGE 4 LT. C=59 F=4
STAGE 5 RT. C=57 F=0
STAGE 4 LT. C=124 F=0
STAGE 5 RT. C=74 F=0
STAGE 4 LT. C=49 F=0
EARTHWORK MATCHLINE = 79.06' RT. RT. STA. 262+25.00 HAMILTON RD.
EARTHWORK MATCHLINE = 75.64' LT. RT. STA. 500+75.00 HAMILTON RD.
C.E. LT.
EXIST. ROW
PROP. ROW
T.C.E.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	108
STA. 301+00.00	TO STA. 303+18.00			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6371	93-00295-03-PV	MCLEAN	109	109
STA. 303+48.00	TO STA. 304+00.00			
	ILLINOIS	F.A. PROJ. NO. M-5227(046)		

CONTRACT NO. 91351