F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108+	1
STA		TO STA	2+110	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

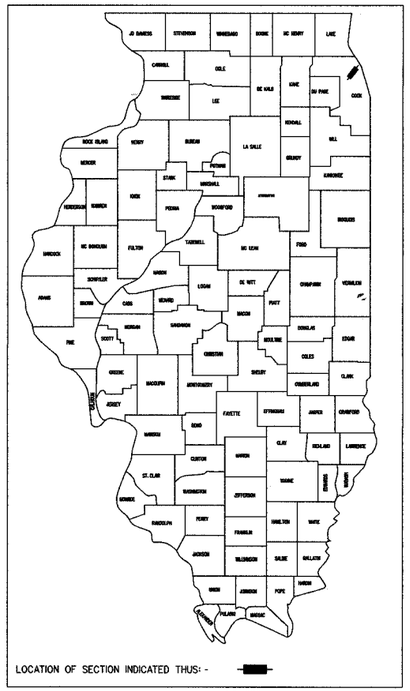
FOR INDEX OF SHEETS, AND HIGHWAY STANDARDS SEE SHEET NO. 2

1-20-06 Letting, Item 111

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOPOSED SURFACE TRANSPORTATION PROJECT

F.A.U. ROUTE 2832 (McCORMICK BOULEVARD)
EMERSON STREET TO GREEN BAY ROAD
PROJECT: ACM-8003 (221)
SECTION: 00-00218-00-FP
CITY OF EVANSTON
COOK COUNTY
JOB NO. C-91-281-02



SCALES

PLAN	1 INCH = 50 FEET
PROFILE HORIZ.	1 INCH = 50 FEET
PROFILE VERT.	1 INCH = 5 FEET
CROSS SECTIONS HORIZ.	1 INCH = 10 FEET
CROSS SECTIONS VERT.	1 INCH = 5 FEET

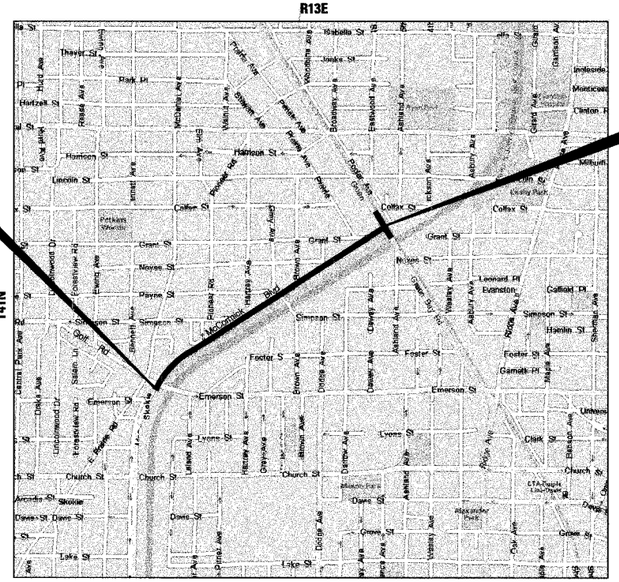
0 10' 20' 30' 100' 200' 300' — 1"= 100' — 1"= 10'

0 5' 10' 50' 100' — 1"= 50' — 1"= 5'

0 50' 100' — 1"= 20'

R13E

T41N



PROJECT M-8003 (221)
IMPROVEMENT BEGINS
McCORMICK BOULEVARD
STATION 14+00.00

PROJECT M-8003 (221)
IMPROVEMENT ENDS
McCORMICK BOULEVARD
STATION 60+32.05

IMPROVEMENT LOCATED IN:
CITY OF EVANSTON

LOCATION MAP

NOT TO SCALE

PROJECT LENGTH (GROSS /NET)
McCORMICK BOULEVARD 4632.05 (0.9 MI)
GREEN BAY ROAD 679.32 FT (0.1MI)
PROJECT TOTAL 5311.37 FT (1.0 MI)

DESCRIPTION OF IMPROVEMENT

THIS IMPROVEMENT CONSISTS OF ROADWAY RECONSTRUCTION AND RESURFACING, STORM SEWER AND DRAINAGE STRUCTURE ADJUSTMENTS AND INSTALLATION, ROADWAY LIGHTING, TRAFFIC SIGNAL MODERNIZATION, LANDSCAPING, STRIPING AND ALL INCIDENTAL AND COLLATERAL WORK AS NECESSARY TO COMPLETE THE IMPROVEMENT SHOWN HEREIN AND AS DESCRIBED IN THE SPECIFICATIONS.

DESIGN DESIGNATION (ADT):

MCCORMICK BLVD:
1350(25) MINOR ARTERIAL
3.65 (COMP-20)
DESIGN SPEED 40 MPH
POSTED SPEED 35 MPH

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 08/16/ 2004
SAT NAGAR P.E.
INTERIM EVANSTON CITY ENGINEER
20
DISTRICT ENGINEER OF LOCAL ROADS AND STREETS
September 2, 2004
Dina O'Keefe, P.E.
DISTRICT ENGINEER
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAUL A. SCHNEIDER 062-048161 REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

Paul Schneider 9/16/04
PAUL A. SCHNEIDER, P.E.
NO. 062-048161
EXP. DATE 11/30/05

(PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS)

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

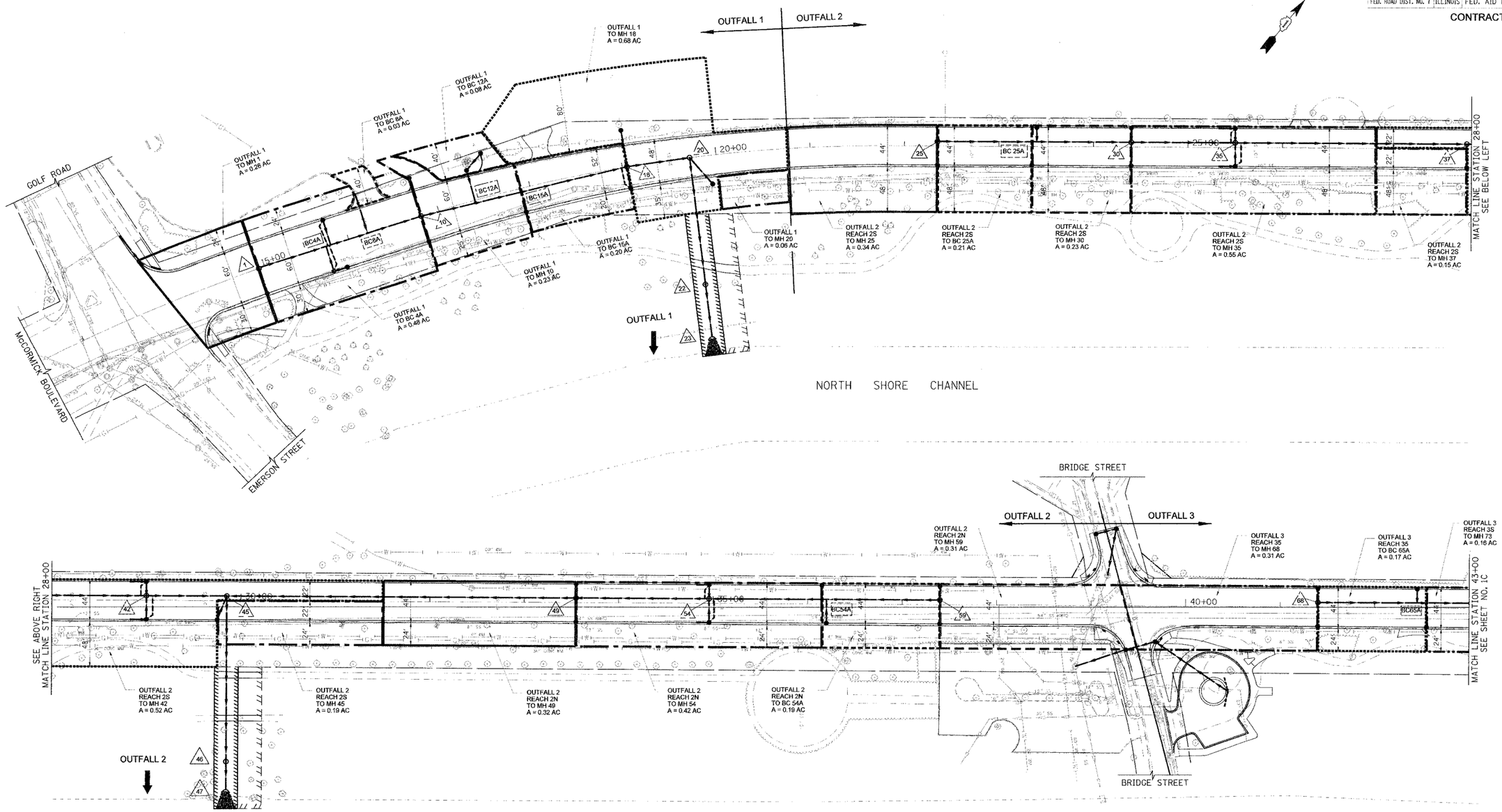
CONTRACT NO. 83773

TRANSYSTEMS CORPORATION
1051 Perimeter Drive, Suite 1025
Schaumburg, Illinois 60173
(847) 605-9600
FEDERAL AID DESIGN ENGINEER
(MAZHAR KHAN 847/705-4179, SCHAUMBURG, IL.)

COUNTY: COOK ROUTE: FAU 2832 SECTION: 00-00218-00-FP

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	1B
STA		TO STA		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



TRANSYSTEMS CORPORATION
1051 PERIMETER DRIVE
SUITE 1025
SCHAUMBURG, IL 60173

REVISIONS NAME	DATE
CEC/PAS	12/02/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

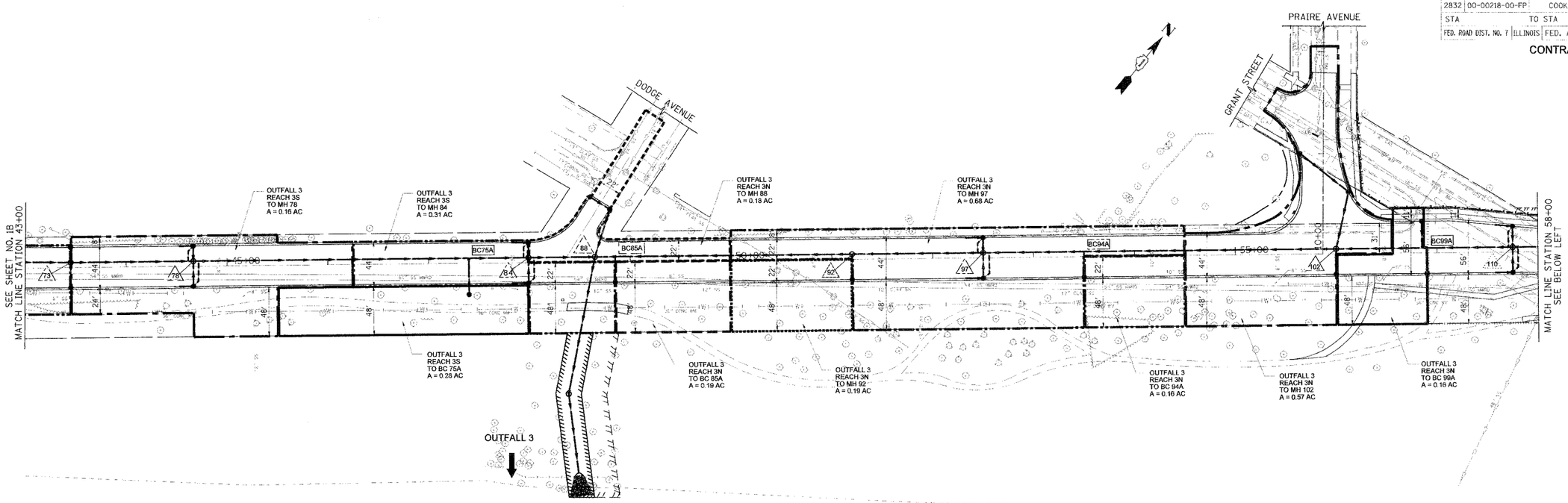
MWRDGC STORM SEWER ROUTING EXHIBIT STATION 14+00 TO STATION 43+00

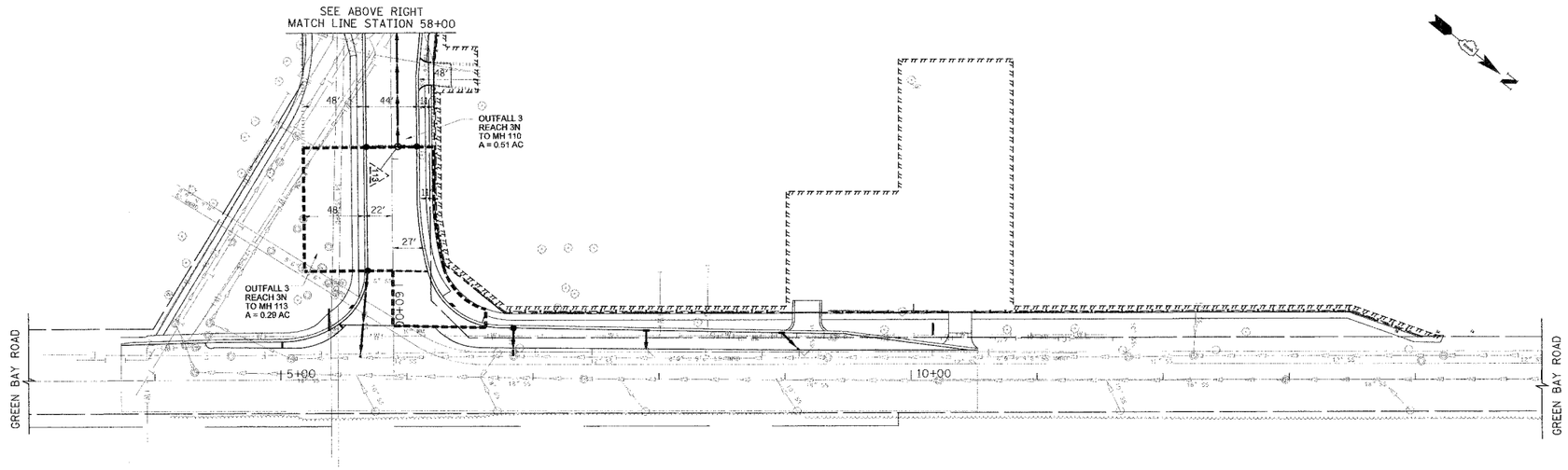
SCALE: 1"=50'

DATE 12/02/05
DRAWN BY GEW
CHECKED BY PAS

F.A.U.	SECTION	COUNTY	TOTAL SHEET SHEETS	NO.
2832	00-00218-00-FP	COOK	108	1C
STA		TO STA		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773





TRANSYSTEMS CORPORATION
1051 PERIMETER DRIVE
SUITE 1015
SCHAUMBURG, IL 60173

REVISIONS	
NAME	DATE
CEC/PAS	12/02/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

MWRDGC STORM SEWER ROUTING EXHIBIT STATION 43+00 TO STATION 61+00

SCALE: 1"=50'

DATE 12/02/05
DRAWN BY GEW
CHECKED BY PAS

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	2
STA	TO STA			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

GENERAL NOTES

CITY COORDINATION: THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER (847 866-2966), AT LEAST 72 HOURS IN ADVANCE OF BEGINNING WORK AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER. SPECIAL ATTENTION IS CALLED TO ARTICLE 105.07 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND PROTECTION. THE STORAGE OF EQUIPMENT AND/OR MATERIALS WITHIN THE PARKWAYS SHALL REQUIRE PRIOR APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL NOTIFY THE CITY OF EVANSTON PUBLIC WORKS DEPARTMENT 48 HOURS PRIOR TO ANY WORK IN ORDER TO OBTAIN CITY UTILITY LOCATIONS. THE CONTRACTOR SHALL ALSO CONTACT THE CITY OF EVANSTON PUBLIC WORKS DEPARTMENT UTILITY DIVISION FOR ALL WATER MAIN SHUTOFFS. UNDER NO CONDITION SHALL THE CONTRACTOR OPERATE ANY VALVES OR HYDRANTS WITHIN THE PROJECT AREA.

PUBLIC OR PRIVATE UTILITIES: THE LOCATION OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THE CITY DOES NOT GUARANTEE THEIR ACCURACY. THE CONTRACTOR WILL BE REQUIRED TO ASCERTAIN THE EXACT LOCATIONS OF SUCH OPERATIONS SO AS NOT TO DAMAGE THEM IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND ARTICLE 105.07 OF THE STANDARD SPECIFICATIONS. THEIR FACILITIES MAY BE ADJUSTED OR RELOCATED, IF NECESSARY.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE OR DESTRUCTION OF PUBLIC OR PRIVATE PROPERTY, AND SHALL RESTORE SUCH PROPERTY AT HIS OWN EXPENSE. COORDINATION OF ALL UTILITY WORK INVOLVED IN THE CONSTRUCTION AREA WILL BE DISCUSSED AT A PRE-CONSTRUCTION CONFERENCE. THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS AND PROTECTIVE MEASURES REQUIRED TO MAINTAIN EXISTING UTILITIES, SEWERS, AND APPURTENANCES THAT MUST BE KEPT IN OPERATION. IN PARTICULAR, THE CONTRACTOR WILL TAKE ADEQUATE MEASURES TO PREVENT THE UNDERMINING OF UTILITIES AND SEWERS WHICH ARE STILL IN SERVICE.

WHENEVER THE CONTRACTOR ENCOUNTERS FACILITIES AND APPURTENANCES WITHIN THE LIMITS OF THE IMPROVEMENTS DURING TRENCHING OPERATION, HE WILL BE REQUIRED TO HAND TRENCH IN THAT AREA IN ORDER NOT TO DAMAGE THE FACILITIES.

DISPOSAL OF MATERIALS: THE CONTRACTOR WILL BE REQUIRED TO DISPOSE OF ALL SIDEWALK, CURB AND GUTTER, PAVEMENT, AND ALL OTHER MATERIAL EXCAVATED OR REMOVED DUE TO CONSTRUCTION OPERATIONS, AT HIS EXPENSE. ALL EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM SITE ON THE DAY IT IS EXCAVATED. NO PAYMENT WILL BE MADE FOR HAULING OR TRUCKING MATERIAL TO LOCATIONS, PROVIDED BY THE CONTRACTOR, OUTSIDE THE LIMITS OF THE IMPROVEMENT.

EXISTING DRAINAGE STRUCTURES: DURING CONSTRUCTION OPERATIONS, WHENEVER ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES, SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED BY THE CONTRACTOR AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE FROM. ALL DIRT AND DEBRIS. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

DRAINAGE STRUCTURE ADJUSTMENT AND RECONSTRUCTION: ONLY PRECAST CONCRETE ADJUSTMENT RINGS WILL BE ALLOWED IN THE ADJUSTMENT OR RECONSTRUCTION OF CATCH BASIN, MANHOLE, INLET AND VALVE VAULT STRUCTURES. COMMON BRICK WILL NOT BE ALLOWED.

FRAMES AND GRATES: FRAMES ON ALL NEW STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE COST. ALL FRAMES, GRATES, LIDS AND BOXES REMOVED FROM EXISTING WATER SERVICE OR SEWER STRUCTURES WHICH ARE TO BE ABANDONED OR ADJUSTED WITH A NEW OR DIFFERENT FRAME AND LID SHALL BECOME THE PROPERTY OF THE MUNICIPALITY DEPENDING ON JURISDICTION. ANY OF THESE ITEMS WHICH ARE DAMAGED OR BROKEN DURING HANDLING SHALL BE REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR SALVAGING THESE EXISTING FRAMES, GRATES, LIDS OR BOXES AND STOCKPILING THEM ON THE JOB SITE AND DELIVERING THEM TO THE MAINTENANCE FACILITY OF THE MUNICIPALITY HAVING JURISDICTION. THE CONTRACTOR SHALL NOTIFY THE MUNICIPALITY 24 HOURS PRIOR TO DELIVERY.

TYPE 1 FRAME, CLOSED LID: A QUANTITY OF TYPE 1 FRAMES AND CLOSED LIDS HAS BEEN INCLUDED TO REPLACE FRAMES AND LIDS WHICH ARE BROKEN OR BREAK DURING MILLING OPERATIONS. THESE FRAME AND LIDS SHALL BE EAST JORDAN IRON WORKS 1050 FRAME AND 1020 TYPE A EXTRA HEAVY DUTY COVER WITH LARGE (2½" NOMINAL) PICK HOLE OR APPROVED EQUAL. ALL FRAMES WITH CLOSED LIDS TO BE FURNISHED AS PART OF THIS CONTRACT FOR CONSTRUCTION, ADJUSTMENT OR RECONSTRUCTION OF ANY STORM SEWER MANHOLE, CATCH BASIN, AND/OR INLET, SHALL HAVE THE WORD "STORM" CAST INTO THE LID. ALL WATER MANHOLES SHALL HAVE THE WORD "WATER" CAST INTO THE LID AND ALL SANITARY MANHOLES SHALL HAVE THE WORD "SANITARY" CAST INTO THE LID.

TYPE 21 OR TYPE 3 FRAME, OPEN LID: ALL CURB AND GUTTER GRATES SHALL BE EAST JORDAN TYPE 7045 M1 SINUSOIDAL GRATES OR APPROVED EQUIVALENT.

TRAFFIC CONTROL: STAGING PROCEDURES PRESENTED ARE THE SUGGESTED SEQUENCE OF OPERATIONS. AT HIS OPTION, THE CONTRACTOR MAY SUBMIT AN ALTERNATIVE STAGING PROPOSAL TO THE ENGINEER FOR HIS APPROVAL. THE CONTRACTOR WILL BE REQUIRED TO RELOCATE OR REMOVE AND REPLACE SIGNS WHICH INTERFERE WITH CONSTRUCTION OPERATIONS, AND TO TEMPORARILY RESET ALL SUCH SIGNS DURING CONSTRUCTION OPERATIONS AT THE DIRECTION OF THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT. SIGNS SHALL NOT BE MOVED UNTIL PROGRESS OF WORK NECESSITATES. EVERY SIGN REMOVED MUST BE RE-ERECTED TO A TEMPORARY LOCATION IN AN APPROVED MANNER AND BE VISIBLE TO TRAFFIC FOR WHICH IT IS INTENDED. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE PROJECT. ALL SIGNS SHALL BE RE-ERECTED IN PERMANENT LOCATIONS AS THE ROADWAY IS COMPLETED. HORIZONTAL LOCATION FROM THE EDGE OF PAVEMENT SHALL BE AS DESIGNATED BY THE ENGINEER. ALL UNUSED SIGNS WILL BE RETURNED TO THE AGENCY HAVING JURISDICTION.

CURB & GUTTER: AN EXPANSION JOINT SHALL BE PLACED A MINIMUM OF THREE (3) FEET ON EITHER SIDE OF ADJACENT TREES. THE CURB GAP SHALL BE HAND FORMED IN ORDER TO PROTECT THE TREE ROOT SYSTEM.

BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SAND BAGS ON EACH TYPE I OR TYPE II BARRICADE USED. ONE (1) WEIGHTED SAND BAG SHALL BE PLACED ACROSS EACH BOTTOM RAIL. FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR (4) SANDBAGS PER BARRICADE.

TOP OF CURB ELEVATIONS: BEFORE SETTING THE TOP OF CURB ELEVATIONS, THE ENGINEER SHALL CHECK THE EXISTING ELEVATIONS AT THE PROPERTY LINE AND IF NECESSARY, REQUIRE THE CONTRACTOR TO VARY THE CURB EXPOSURE AND/OR GUTTER ELEVATIONS IN ORDER TO MORE CLOSELY FOLLOW THE PROPERTY LINE GRADES.

SAW CUTS: ALL SAW CUTS REQUIRED DUE TO CONSTRUCTION STAGING SHALL BE INCLUDED IN THE COST OF PAVEMENT REMOVAL. ALL SAW CUTS REQUIRED FOR REMOVAL ITEMS SHALL BE INCIDENTAL TO THAT ITEM.

DRIVEWAYS: LOCAL ACCESS FOR RESIDENTS AND BUSINESSES SHALL BE MAINTAINED AT ALL TIMES AS SHOWN IN THE PLANS.

SIDEWALKS: ADJACENT PAVEMENT OR SIDEWALK DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THE ORIGINAL CONDITION BY THE CONTRACTOR. THE COST FOR THIS WORK SHALL BE INCLUDED IN THIS CONTRACT. ANY SIDEWALKS PLACED THROUGH DRIVEWAYS SHALL BE THE SAME THICKNESS AS THE DRIVEWAYS. THIS ADDITIONAL THICKNESS SHALL BE INCIDENTAL TO P.C. CONCRETE SIDEWALK. A 4" GRANULAR LEVELING BASE SHALL BE CONSTRUCTED BENEATH ALL PROPOSED SIDEWALK. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR P.C. CONCRETE SIDEWALK.

WATER: THE CONTRACTOR MUST OBTAIN A FIRE HYDRANT PERMIT FROM THE CITY OF EVANSTON IN ORDER TO OBTAIN ACCESS TO CITY WATER. THE CONTRACTOR WILL BE REQUIRED TO SUPPLY THEIR OWN RPZ BACKFLOW PREVENTOR WHEN ACCESSING CITY WATER. THE CONTRACTOR SHALL NOTIFY THE DISTRIBUTION & SEWER CHIEF, TOM JACKSON, 48 HOURS IN ADVANCE OF WHEN THEY WILL DO ANY FIRE HYDRANT OR WATER MAIN WORK AT (847) 866-2945.

MWRD NOTES:

1. THE MWRD LOCAL SEWER SYSTEMS SECTION FIELD OFFICE MUST BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK (CALL 708-588-4055).
2. THE ELEVATION DATUM IS USGS.
3. THERE ARE NO FLOOR DRAINS ON THIS PROJECT.
4. THERE ARE NO FOOTING DRAINS AND DOWNSPOUTS ON THIS PROJECT.
5. ALL SANITARY SEWER PIPE MATERIALS AND JOINTS (AND STORM SEWER PIPE MATERIALS AND JOINTS IN A COMBINED SEWER AREA) SHALL CONFORM TO:

PIPE MATERIAL SPEC.	JOINT SPEC.
VITRIFIED CLAY PIPE	
VCP C-700	
VCP (NO BEL) C-700	C-425
JOINT	
COLLAR	C-425
CONCRETE PIPE C-14	D-1784
RCP C-76	C-443
ACP C-428	C-443
ABS SEWER PIPE	D-1869
SOLID WALL 6" DIA. SDR 23.5	
ABS D-2751	
ABS COMPOSITE/TRUSS PIPE	D-2751
8"-15" DIA.	
ABS D-2680	
PVC GRAVITY SEWER PIPE	D-2680
6"-15" DIA, SDR 26	
D-3034	
18"-27" DIA. F/DY=46	D-3212 OR D-2855
F-679	
CISP A-74	D-3212 OR D-2855
DIP A-21.51	C-564
	A-21.11

(NOTE: THE DISTRICT HAS APPROVED LESS COMMON PIPE MATERIALS ON A QUALIFIED BASIS IN ADDITION TO THOSE ABOVE. PLEASE CONTACT THE DISTRICT IF CONSIDERING USING PIPE NOT LISTED ABOVE.)

6. ALL STORM SEWER CONSTRUCTION IN COMBINED SEWER AREAS, REQUIRES STONE BEDDING WITH STONE ¼" TO 1" IN SIZE, WITH MINIMUM BEDDING THICKNESS EQUAL TO ¼ THE OUTSIDE DIAMETER OF THE SEWER PIPE, BUT NOT LESS THAN FOUR (4) INCHES NOR MORE THAN EIGHT (8) INCHES. MATERIAL SHALL BE CA-11 OR CA-13 AND SHALL BE EXTENDED AT LEAST 12" ABOVE THE TOP OF THE PIPE WHEN USING PVC.
7. "BAND SEAL" OR SIMILAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPES OF DISSIMILAR MATERIALS.
8. WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE, TEE, OR AN EXISTING MANHOLE, ONE OF THE FOLLOWING METHODS SHALL BE USED: (SEE DETAIL SHEET)
   1. CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER TOOLS ("SHEWER-TAP" MACHINE OR SIMILAR) AND PROPER INSTALLATION OF HUB-WYE SADDLE OR HUB-TEE SADDLE.
   2. REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACE WITH A WYE OR TEE BRANCH SECTION.
   3. WITH PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING, USING "BAND SEAL" OR SIMILAR COUPLINGS TO HOLD IT FIRMLY IN PLACE.
9. WHENEVER A SANITARY/COMBINED SEWER CROSSES UNDER A WATER MAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATER MAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY/COMBINED SEWERS AND WATER MAINS SHALL BE MAINTAINED UNLESS: THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING A MINIMUM 18" VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATER MAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED ABOVE CAN NOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATER MAIN, THE SEWER SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS.
10. ALL STORM MANHOLES IN COMBINED SEWER AREAS, SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES, AND SHALL BE CAST IN PLACE OR PRE-CAST REINFORCED CONCRETE.
11. RESILIENT CONNECTORS, CONFORMING TO ASTM C-293, SHALL BE USED BETWEEN MANHOLE AND PIPES.

INDEX OF SHEETS

SHEET NO.	SHEET DESCRIPTION
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2	INDEX OF SHEETS, GENERAL NOTES AND STATE STANDARDS
3-6	SUMMARY OF QUANTITIES
7	SCHEDULE OF QUANTITIES
8-9	TYPICAL SECTIONS
10	ALIGNMENT, TIES AND BENCHMARKS
11-12	DETOUR PLANS
13	TYPICAL SECTIONS (SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL)
14	SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL - STAGE I
15	SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL - STAGE II
16-18	LANDSCAPING AND EROSION CONTROL PLANS
19-24	PLAN AND PROFILE
25-29	DRAINAGE AND UTILITIES
30-32	DRAINAGE AND UTILITIES PROFILES
33	INTERSECTION PAVING PLAN
34	ECOLOGY CENTER CIRCLE DRIVE
35-37	PAVEMENT MARKING AND SIGNING PLAN
38-42	TRAFFIC SIGNAL DETAILS
43-45	TRAFFIC SIGNAL PLANS - BRIDGE STREET
46-48	TRAFFIC SIGNAL PLANS - GREEN BAY ROAD
49-50	ROADWAY LIGHTING PLANS
51-53	STREET LIGHTING DETAILS
54-55	BD-01/BD-02 DRIVEWAY DETAILS
56	BD-07 DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER
57	BD-08 DETAILS FOR FRAMES AND LIDS ADJUSTMENT FOR MILLING
58	BD-36 FIRE HYDRANT TO BE MOVED
59	CITY OF EVANSTON FIRE HYDRANT DETAIL
60	MWRD MH ADJ. DETAILS
61	TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
62	TC-11 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
63	TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS
64	TC-14 TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
65	TC-16 PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
66-100	CROSS SECTIONS -- MCCORMICK BLVD
101-108	CROSS SECTIONS -- GREEN BAY ROAD

STATE STANDARDS

STD. NO.	DESCRIPTION
000001-04	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-02	TEMPORARY EROSION CONTROL SYSTEMS
353001-02	PCC BASE COURSE WITH BITUMINOUS CONCRETE BINDER AND SURFACE COURSES
420001-06	PAVEMENT JOINTS
424001-04	CURB RAMPS FOR SIDEWALKS
442201-01	CLASS C AND D PATCHES
542101	REINFORCED CONCRETE END SECTIONS FOR PIPE CULVERTS 15" THRU 36" DIAMETER AT RIGHT ANGLES WITH ROADWAY
601001	SUB-SURFACE DRAINS
602001	CATCH BASIN, TYPE A
602011	CATCH BASIN, TYPE C
602301	INLET, TYPE A
602401	MANHOLE, TYPE A
602501	VALVE VAULT, TYPE A
602601	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
604001-02	FRAME AND LIDS, TYPE 1
604006-02	FRAME AND GRATE, TYPE 3
604036-01	GRATE, TYPE 8
604076-02	FRAME AND GRATE, TYPE 21
606001-02	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
664001-01	CHAIN LINK FENCE
701501-03	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-04	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-03	LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
702001-05	TRAFFIC CONTROL DEVICES
720001	SIGN PANEL MOUNTING DETAILS
720006	SIGN PANEL ERECTION DETAILS
720011	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
720016-01	MAST ARM MOUNTED STREET NAME SIGNS
729001	APPLICATIONS OF TYPE A AND B METAL POSTS (FOR SIGNS & MARKERS)
780001-01	TYPICAL PAVEMENT MARKINGS
781001-02	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
805001	ELECTRICAL SERVICE INSTALLATION DETAILS
814001	CONCRETE HANDHOLES
814006	DOUBLE HANDHOLES
857001	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
877001-02	STEEL MAST ARM ASSEMBLY AND POLE
878001-03	CONCRETE FOUNDATION DETAILS
880001	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006	TRAFFIC SIGNAL MOUNTING DETAILS
886001	DETECTOR LOOP INSTALLATIONS

GEOTECHNICAL: A GEOTECHNICAL REPORT HAS BEEN DEVELOPED FOR THIS PROJECT BY GREAT LAKES SOIL & ENVIRONMENTAL CONSULTANTS. INFORMATION FOR GEOTECHNICAL DATA ALONG THE NORTH SHORE CHANNEL IS ALSO AVAILABLE. A COPY OF THE GEOTECHNICAL INFORMATION FOR THIS PROJECT IS AVAILABLE FOR REVIEW AT THE CITY OF EVANSTON OR AT TRANSYSTEMS CORPORATION.

REVISIONS	
NAME	DATE
CEC/PAS	5/23/05
CEC/PAS	12/02/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, GENERAL NOTES AND STATE STANDARDS

McCORMICK BOULEVARD

NO SCALE

DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

GENERALNOTES.SHT

TRANSYSTEMS CORPORATION
1031 JORIE BLVD
SUITE 100
OAK BROOK, IL 60523

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	3
STA	TO STA			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

				FED / CITY 70% / 30%			100% CITY
	SUMMARY OF QUANTITIES						I000
CODE NO.	PAY ITEM	UNIT	QUANTITIES	I000-2A ROADWAY	Y030-1E LIGHTING	Y031-1F TRAFFIC SIG.	NON-PART
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	153	153			
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	275	275			
20101000	TEMPORARY FENCE	FOOT	8,500	8,090			410
20101100	TREE TRUNK PROTECTION	EACH	113	113			
20101200	TREE ROOT PRUNING	EACH	113	113			
20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	62	62			
20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	55	55			
20200100	EARTH EXCAVATION	CU YD	7,500	6,600			900
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	2,535	2,535			
20400800	FURNISHED EXCAVATION	CU YD	150	150			
20700420	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	2,535	2,535			
20800150	TRENCH BACKFILL	CU YD	3,309	3,300			9
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	1,425	820			605
x 21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	14,710	13,450			1,260
x 21101815	COMPOST FURNISH AND PLACE, 4"	SQ YD	900	900			
21301072	EXPLORATION TRENCH 72" DEPTH	FOOT	250	250			
x 25000310	SEEDING, CLASS 4	ACRE	0.3	0.3			
x 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	206	190			16
x 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	206	190			16
x 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	206	190			16
x 25100630	EROSION CONTROL BLANKET	SQ YD	900	900			
x 25200110	SODDING, SALT TOLERANT	SQ YD	14,710	13,450			1,260
25200200	SUPPLEMENTAL WATERING	UNIT	311	284			27
x 25300600	TRANSPLANTED SALVAGED TREES	EACH	11	11			
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	350	350			
28000400	PERIMETER EROSION BARRIER	FOOT	4,390	4,300			90
28000510	INLET FILTERS	EACH	84	84			
28100105	STONE RIPRAP, CLASS A3	SQ YD	60	60			
28100107	STONE RIPRAP, CLASS A4	SQ YD	40	40			
28200200	FILTER FABRIC	SQ YD	100	100			
35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	500	500			
35300400	PORTLAND CEMENT CONCRETE BASE COURSE 9"	SQ YD	23,300	23,300			
35301200	HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE BASE COURSE 9"	SQ YD	825	825			
35400400	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 9"	SQ YD	101	101			
40300100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	4,400	4,200			200
40600300	AGGREGATE (PRIME COAT)	TON	45	40			5
40600895	CONSTRUCTING TEST STRIP	EACH	1	1			
42001300	PROTECTIVE COAT	SQ YD	9,200	8,335			865
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	80	80			
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	14,010	11,935			2,075
42400400	PORTLAND CEMENT CONCRETE SIDEWALK 7 INCH	SQ FT	3,140				3,140
44000007	BITUMINOUS SURFACE REMOVAL 2"	SQ YD	2,540				2,540
44000011	BITUMINOUS SURFACE REMOVAL 4"	SQ YD	3,970	3,970			
44000100	PAVEMENT REMOVAL	SQ YD	23,820	23,820			
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	425	425			
44000300	CURB REMOVAL	FOOT	200	200			
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	11,075	11,026			49
44000600	SIDEWALK REMOVAL	SQ FT	13,510	11,140			2,370
44003100	MEDIAN REMOVAL	SQ FT	390	390			
44201349	CLASS C PATCHES, TYPE I, 10 INCH	SQ YD	50	50			
44201353	CLASS C PATCHES, TYPE II, 10 INCH	SQ YD	150	150			
44201357	CLASS C PATCHES, TYPE III, 10 INCH	SQ YD	150	150			
44201359	CLASS C PATCHES, TYPE IV, 10 INCH	SQ YD	50	50			
50104400	CONCRETE HEADWALL REMOVAL	EACH	4	4			
54216180	REINFORCED CONCRETE PIPE TEE, 12" PIPE WITH 12" RISER	EACH	7	7			
54216185	REINFORCED CONCRETE PIPE TEE, 15" PIPE WITH 12" RISER	EACH	3	3			
54216190	REINFORCED CONCRETE PIPE TEE, 18" PIPE WITH 12" RISER	EACH	3	3			
54216195	REINFORCED CONCRETE PIPE TEE, 21" PIPE WITH 12" RISER	EACH	3	3			
54216205	REINFORCED CONCRETE PIPE TEE, 27" PIPE WITH 12" RISER	EACH	1	1			
55100200	STORM SEWER REMOVAL 6"	FOOT	157	157			
55100300	STORM SEWER REMOVAL 8"	FOOT	568	568			
55100400	STORM SEWER REMOVAL 10"	FOOT	199	199			
55100500	STORM SEWER REMOVAL 12"	FOOT	344	344			
56100600	WATER MAIN 6"	FOOT	28	28			
56100700	WATER MAIN 8"	FOOT	5	5			
56106200	ADJUSTING WATER MAIN 4"	FOOT	50	50			
56106400	ADJUSTING WATER MAIN 8"	FOOT	50	50			
56106500	ADJUSTING WATER MAIN 10"	FOOT	50	50			
56106600	ADJUSTING WATER MAIN 12"	FOOT	50	50			
56400100	FIRE HYDRANTS TO BE MOVED	EACH	2	2			
56400300	FIRE HYDRANTS TO BE ADJUSTED	EACH	2	2			
56400500	FIRE HYDRANTS TO BE REMOVED	EACH	2	2			
56400600	FIRE HYDRANTS	EACH	1	1			

x - SPECIALTY ITEMS

TRANSYSTEMS CORPORATION
1005 PERIMETER DRIVE
SUITE 150
SCHAUMBURG, IL 60173

REVISIONS	
NAME	DATE
CEC/PAS	5/23/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

McCORMICK BOULEVARD

SCALE: NTS

DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	4
STA		TO STA		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

	SUMMARY OF QUANTITIES			FED / CITY 70% / 30%			100% CITY
							I000
CODE NO.	PAY ITEM	UNIT	QUANTITIES	I000-2A ROADWAY	Y030-1E LIGHTING	Y031-1F TRAFFIC SIG.	NON-PART
60107600	PIPE UNDERDRAINS 4"	FOOT	518	483			35
60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	2	2			
60200305	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	52	52			
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	4	4			
60201320	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 21 FRAME AND GRATE	EACH	6	6			
60207105	CATCH BASINS, TYPE C, TYPE 3 FRAME AND GRATE	EACH	2	2			
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	12	12			
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	14	14			
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	24	23			1
60249400	VALVE BOXES 6"	EACH	2	2			
60250200	CATCH BASINS TO BE ADJUSTED	EACH	7	5			2
60255500	MANHOLES TO BE ADJUSTED	EACH	34	34			
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1			
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	2	2			
60258200	MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	2	2			
60260100	INLETS TO BE ADJUSTED	EACH	3	3			
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	19	19			
60266600	VALVE BOXES TO BE ADJUSTED	EACH	5	5			
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	1	1			
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	2	2			
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	2	2			
60500040	REMOVING MANHOLES	EACH	5	5			
60500050	REMOVING CATCH BASINS	EACH	33	33			
60500060	REMOVING INLETS	EACH	13	13			
60500105	FILLING MANHOLES	EACH	15	15			
60500205	FILLING CATCH BASINS	EACH	1	1			
60600605	CONCRETE CURB, TYPE B	FOOT	170	170			
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	95	95			
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	9,731	9,646			85
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	686	686			
60609200	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.12	FOOT	350				350
66400105	CHAIN LINK FENCE, 4'	FOOT	295	222			73
66400205	CHAIN LINK FENCE, 5'	FOOT	277	277			
66400520	CHAIN LINK FENCE, 12'	FOOT	576	293			283
66410300	CHAIN LINK FENCE REMOVAL	FOOT	1,294	927			367
66410400	CHAIN LINK FENCE TO BE REMOVED AND RE-ERECTED	FOOT	150	150			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12			
67100100	MOBILIZATION	L SUM	1	1			
70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1	1			
70300510	PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS	SQ FT	36.4	36.4			

	SUMMARY OF QUANTITIES			FED / CITY 70% / 30%			100% CITY
							I000
CODE NO.	PAY ITEM	UNIT	QUANTITIES	I000-2A ROADWAY	Y030-1E LIGHTING	Y031-1F TRAFFIC SIG.	NON-PART
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	4,397	4,397			
70300540	PAVEMENT MARKING TAPE, TYPE III 6"	FOOT	122	122			
70300610	TEMPORARY PAINT PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	145.6	145.6			
70300625	TEMPORARY PAINT PAVEMENT MARKING LINE 4"	FOOT	4,305	4,305			
70300635	TEMPORARY PAINT PAVEMENT MARKING LINE 6"	FOOT	204	204			
70300660	TEMPORARY PAINT PAVEMENT MARKING LINE 24"	FOOT	35	35			
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1,320	1,320			
x 72000100	SIGN PANEL - TYPE 1	SQ FT	369	308		60.5	
x 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	45	45			
x 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	14	14			
x 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	80	80			
x 72900100	METAL POST - TYPE A	FOOT	310	310			
x 72900200	METAL POST - TYPE B	FOOT	244	244			
x 73000100	WOOD SIGN SUPPORT	FOOT	242	242			
x 73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	5	5			
x 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	724	692			32
x 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	16,272	15,500			772
x 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2,900	2,900			
x 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,350	1,350			
x 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	350	350			
x 78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	16				16
x 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	154				154
x 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	386	386			
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	10	10			
x 80700140	GROUND ROD, 5/8" DIA. X 10 FT.	EACH	17		17		
x 81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	964			964	
x 81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	242			242	
x 81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	109			109	
x 81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	45			45	
x 81018600	CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	505		505		
x 81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	313			313	
x 81400100	HANDHOLE	EACH	8			8	
x 81400115	HANDHOLE TO BE ADJUSTED	EACH	6			6	

x - SPECIALTY ITEMS

REVISIONS	
NAME	DATE
CEC/PAS	5/23/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

McCORMICK BOULEVARD

DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

TRANSYSTEMS CORPORATION
1951 PIONEER DRIVE
SUITE 100
SCHAUMBURG, IL 60173

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	5
STA	TO STA			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

SUMMARY OF QUANTITIES

FED / CITY 70% / 30%

100% CITY I000

	CODE NO.	PAY ITEM	UNIT	QUANTITIES	1000-2A ROADWAY	Y030-1E LIGHTING	Y031-1F TRAFFIC SIG.	NON-PART
*	81400200	HEAVY-DUTY HANDHOLE	EACH	3			3	
*	81400300	DOUBLE HANDHOLE	EACH	2			2	
*	81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1,665		170	1,495	
*	81600320	UNIT DUCT, WITH 2-1/C NO. 6 AND 1/C NO. 8 GROUND, 600V (XLP-TYPE USE), 1" DIA., POLYETHYLENE	FOOT	2,330		2,330		
*	81800330	AERIAL CABLE, 3-1/C NO. 6 WITH MESSENGER WIRE	FOOT	2,330		2,330		
*	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	109		109		
*	83600215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	27		27		
*	84200700	LIGHTING FOUNDATION REMOVAL	EACH	18		18		
*	84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	14		14		
*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	3			3	
*	85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	2			2	
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	642			642	
*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1,817			1,817	
*	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2,666			2,666	
*	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	806			806	
*	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,390			1,390	
*	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	406			406	
*	87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	2			2	
*	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1			1	
*	87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	2			2	
*	87700110	STEEL MAST ARM ASSEMBLY AND POLE, 14 FT.	EACH	1			1	
*	87700160	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1			1	
*	87700190	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	2			2	
*	87700210	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	2			2	
*	87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1			1	
*	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20			20	
*	87800200	CONCRETE FOUNDATION, TYPE D	FOOT	8			8	
*	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	105			105	
*	87900200	DRILL EXISTING HANDHOLE	EACH	5			5	
*	88200100	TRAFFIC SIGNAL BACKPLATE	EACH	13			13	
*	88500100	INDUCTIVE LOOP DETECTOR	EACH	8			8	
*	88600100	DETECTOR LOOP, TYPE I	FOOT	1,050			1,050	
*	88700200	LIGHT DETECTOR	EACH	5			5	
*	88700300	LIGHT DETECTOR AMPLIFIER	EACH	2			2	
*	88800100	PEDESTRIAN PUSH-BUTTON	EACH	6			6	
*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2			2	
*	89502380	REMOVE EXISTING HANDHOLE	EACH	8			8	
*	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	6			6	
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	1,089	1,089			
	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	895	895			
	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	400	400			
	550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	739	739			
	550A0400	STORM SEWERS, CLASS A, TYPE 2 21"	FOOT	664	664			
	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	328	328			
	550A0420	STORM SEWERS, CLASS A, TYPE 2 27"	FOOT	250	250			
	550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	28	28			
	550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	77	77			
	550A0710	STORM SEWERS, CLASS A, TYPE 3 24"	FOOT	54	54			
*	A2002024	TREE, AESCULUS GLABRA (OHIO BUCKEYE), 3" CALIPER, BALLED AND BURLAPPED	EACH	10	10			
*	A2002120	TREE, AESCULUS HIPPOCASTANUM (COMMON HORSECHESTNUT), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	10	10			
*	A2002520	TREE, CARPINUS CAROLINIANA (AMERICAN HORNBEAM), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	10	10			
*	A2003224	TREE, CORYLUS COLURNA (TURKISH FILBERT), 3" CALIPER, BALLED AND BURLAPPED	EACH	10	10			
*	A2004424	TREE, GINKGO BILOBA (GINKGO), 3" CALIPER, BALLED AND BURLAPPED	EACH	15	15			
*	A2005024	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 3" CALIPER, BALLED AND BURLAPPED	EACH	10	10			
*	A2005520	TREE, NYSSA SYLVATICA (BLACK TUPELO), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	1	1			
*	A2005620	TREE, OSTRYA VIRGINIANA (AMERICAN HOPHORNBEAM), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	10	10			
*	A2005716	TREE, PHELLODENDRON AMURENSE (AMUR CORKTREE), 2" CALIPER, BALLED AND BURLAPPED	EACH	10	10			
*	A2006520	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	8	8			
*	A2006616	TREE, QUERCUS IMBRICARIA (SHINGLE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	7	7			
*	A2006720	TREE, QUERCUS MACROCARPA (BUR OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	7	7			
*	A2006820	TREE, QUERCUS MUEHLENBERGII (CHINKAPIN OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	12	12			

* - SPECIALTY ITEMS

REVISIONS NAME	DATE
CEC/PAS	12/02/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

McCORMICK BOULEVARD

DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

TRANSYSTEMS CORPORATION
101 PERIMETER DRIVE
SUITE 1000 WEST
SCHAUMBURG, IL 60173

F.A.U.	SECTION	COUNTY	TOTAL SHEET SHEETS	NO.
2832	00-00218-00-FP	COOK	108	6
STA		TO STA		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

SUMMARY OF QUANTITIES

FED / CITY 70% / 30%

	CODE NO.	PAY ITEM	UNIT	QUANTITIES	I000-2A ROADWAY	Y030-1E LIGHTING	Y031-1F TRAFFIC SIG.	100% CITY I000 NON-PART
x	A2007628	TREE, TAXODIUM DISTICHUM (COMMON BALD CYPRESS), 3 1/2" CALIPER, BALLED AND BURLAPPED	EACH	2	2			
x	A2018720	TREE, ULMUS CARPINIFOLIA MORTON, (ACCOLADE ELM), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	10	10			
x	A2022166	TREE, AESCULUS PAVIA (RED BUCKEYE), 6' HEIGHT, BALLED AND BURLAPPED	EACH	1	1			
x	B2006070	TREE, SYRINGA PEKINENSIS (PEKING LILAC), 8' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	1	1			
x	B2010066	TREE, CHIONANTHUS VIRGINICUS (WHITE FRINGETREE), 6' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	1	1			
	X0301834	STORM SEWER TO BE FILLED	FOOT	4,052	4,052			
	X0321297	REMOVE EXISTING SIGN POST	EACH	1	1			
	X0321556	SANITARY MANHOLES TO BE ADJUSTED	EACH	3	3			
	X0322033	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	752	662			90
	X0322035	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	FOOT	136	136			
	X0322089	STORM SEWER (WATER MAIN REQUIREMENTS) 36 INCH	FOOT	133	133			
	X0322125	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	FOOT	130	130			
	X0322127	STORM SEWER (WATER MAIN REQUIREMENTS) 30 INCH	FOOT	170	170			
	X0322525	STORM SEWER (WATER MAIN REQUIREMENTS) 21 INCH	FOOT	365	365			
	X0323426	SEDIMENT CONTROL, DRAINAGE STRUCTURE INLET FILTER CLEANING	EACH	168	168			
	X3550300	BITUMINOUS BASE COURSE SUPERPAVE 6"	SQ YD	265	265			
	X3550500	BITUMINOUS BASE COURSE SUPERPAVE 8"	SQ YD	45	45			
	X4020700	AGGREGATE SURFACE COURSE, TYPE B 8"	SQ YD	100	100			
	X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	12	12			
	X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	6	6			
	X4023000	TEMPORARY ACCESS (ROAD)	EACH	10	10			
	X4066414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	TON	340	40			300
	X4066426	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70	TON	2,450	2,450			
	X4066616	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N70	TON	580	580			
	X4067100	POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE, IL-4.75, N50	TON	1,200	1,200			
	X5121800	PERMANENT STEEL SHEET PILING	SQ FT	690	690			
	X7015000	CHANGEABLE MESSAGE SIGN	CAL MO	4	4			
x	X8050015	SERVICE INSTALLATION - POLE MOUNTED	EACH	2			2	
x	X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	1,056			1,056	
x	X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	852			852	
x	X8800020	SIGNAL HEAD ,LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	10			10	
x	X8800035	SIGNAL HEAD ,LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	6			6	
x	X8800040	SIGNAL HEAD ,LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3			3	
x	X8800045	SIGNAL HEAD ,LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	3			3	
x	X8810610	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	2			2	
x	X8810620	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED	EACH	4			4	

SUMMARY OF QUANTITIES

FED / CITY 70% / 30%

	CODE NO.	PAY ITEM	UNIT	QUANTITIES	I000-2A ROADWAY	Y030-1E LIGHTING	Y031-1F TRAFFIC SIG.	100% CITY I000 NON-PART
x	XX002957	REMOVE AND RE-ERECT EXISTING SIGN	EACH	1	1			
x	XX004970	TEMPORARY PAVEMENT SUPERPAVE	SQ YD	439	439			
	Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	27,700	27,700			
	Z0019600	DUST CONTROL WATERING	UNIT	160	160			
	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1			
△	Z0076600	TRAINEES	HOUR	1,500	1,500			
x	XX006900	LIGHT POLE AND LUMINAIRE, INSTALL ONLY	EACH	3		3		
	X0322032	STORM SEWER (WATER MAIN REQUIREMENTS) 10 INCH	FOOT	26	26			
x	XX006401	TELEVISING OF MWRD INTERCEPTOR	FOOT	9,800	9,800			
	XX006402	REMOVE AND REERECT STONE WALL	L SUM	1	1			
	XX006416	END SECTIONS 24", SPECIAL	L SUM	1	1			
	XX006403	END SECTIONS 30", SPECIAL	L SUM	1	1			
	XX006404	END SECTIONS 36", SPECIAL	L SUM	1	1			
	XX006405	LIMESTONE SCREENINGS, 2"	SQ YD	500	500			
x	XX006406	BRICK PAVERS (PERMEABLE)	SQ YD	605				605
	XX006407	AGGREGATE BASE COURSE 15", SPECIAL	SQ YD	605				605
	XX006408	AUGERED PILE 24"	FOOT	360	360			
x	K1004469	PERENNIAL PLANTS, PRAIRIE TYPE	UNIT	6	6			
	42400800	DETECTABLE WARNINGS	SQ FT	120	120			

x - SPECIALTY ITEMS
△ - Y080

REVISIONS	
NAME	DATE
CEC/PAS	5/23/05
CEC/PAS	9/06/05
CEC/PAS	12/02/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

McCORMICK BOULEVARD

DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

TRANSYSTEMS CORPORATION
1104 PROMETER DRIVE
SUITE 1025
SCHAUMBURG, IL 60173

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	7
STA		TO STA		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

TREE REPLACEMENT LOCATIONS

SHEET NO.	IDOT CODE	STA.	OFFSET	LT/RT
McCORMICK BOULEVARD				
16	A2002120	14+50.81	35.06'	LT
16	A2002024	14+77.35	34.56'	RT
16	A2004424	14+87.12	34.46'	LT
16	A2002520	15+08.90	34.69'	RT
16	A2005024	15+20.05	34.91'	LT
16	A2006616	15+48.55	34.31'	LT
16	A2003224	15+49.79	34.75'	RT
16	A2006820	15+72.68	39.99'	LT
16	A2005620	15+81.23	34.63'	RT
16	A2006720	15+92.89	35.37'	LT
16	A2006520	16+05.29	35.02'	RT
16	A2005716	16+43.85	34.41'	LT
16	A2002024	17+31.59	33.67'	LT
16	A2004424	17+36.12	34.19'	RT
16	A2002120	17+74.19	33.27'	RT
16	A2003224	18+34.40	31.67'	RT
16	A2005024	18+36.08	31.42'	LT
16	A2006820	18+75.37	31.45'	RT
16	A2005620	18+92.16	30.35	LT
16	A2008720	19+19.27	29.54'	LT
16	A2004424	19+45.22	29.38'	RT
16	A2006820	19+53.02	28.80'	LT
16	A2005716	19+81.75	28.81'	RT
16	A2006720	20+05.50	27.52'	LT
16	A2005716	20+49.96	27.85'	LT
16	A2006616	20+52.25	27.88'	RT
16	A2005620	20+86.88	26.76'	RT
16	A2004424	21+20.60	27.17'	RT
16	A2002520	21+57.03	26.61'	RT
16	A2002024	22+17.21	26.85'	RT
16	A2005024	22+31.08	27.92'	LT
16	A2003224	22+53.79	26.83	RT
16	A2002120	22+60.52	27.12'	LT
17	A2005716	23+24.77	26.83'	RT
17	A2006820	24+59.60	27.24'	RT
17	A2018720	24+88.56	27.21'	RT
17	A2005024	25+20.56	27.16'	RT
17	A2004424	25+54.66	27.09'	RT
17	A2002120	26+18.29	27.22'	RT
17	A2002024	26+67.80	27.02'	RT
17	A2002520	27+26.20	27.43'	RT
17	A2005620	27+83.34	27.08'	RT
17	A2003224	28+26.35	27.31'	LT
17	A2006820	29+37.07	26.96'	RT
17	A2006520	29+39.56	27.53'	RT
17	A2018720	29+64.16	27.18'	RT
17	A2007628	29+89.27	182.92'	RT
17	A2005520	29+80.11	193.14'	LT
17	A2022166	29+90.99	211.27'	RT
17	A2006720	30+48.62	26.90'	RT
17	A2008720	30+79.22	27.09'	RT
17	A2006920	31+01.18	27.13'	RT
17	A2006616	31+59.10	27.08'	RT
17	A2005716	31+99.01	27.44'	RT
17	A2004424	32+27.97	27.18'	RT
17	A2002024	32+48.35	26.98'	LT
17	A2003224	32+80.29	27.73'	RT
17	A2002120	32+86.35	27.33'	LT
17	A2002520	33+28.86	27.42'	RT
17	A2005024	34+40.65	27.12'	RT
17	A2005620	34+94.30	27.34'	RT
17	A2006820	35+37.51	27.19'	RT
17	A2006720	35+69.99	27.84'	RT
17	A2006520	35+99.82	27.63'	LT
17	A2004424	36+04.72	27.63'	RT

TREE REPLACEMENT LOCATIONS

SHEET NO.	IDOT CODE	STA.	OFFSET	LT/RT
McCORMICK BOULEVARD				
17	A2005024	36+54.08	27.04'	RT
17	A2002520	36+66.55	27.42'	LT
17	A2003224	36+86.82	26.70'	RT
17	A2002024	37+45.60	27.20'	RT
17	A2002120	37+66.84	26.98'	RT
17	A2005620	38+67.19	26.39'	RT
17	A2005716	39+88.76	28.74'	LT
17	A2006520	40+14.25	28.58	LT
17	A2006616	40+69.29	26.98'	LT
17	A2004424	40+77.08	26.91'	RT
17	A2006820	40+90.25	26.75'	LT
17	A2018720	42+99.82	27.16'	LT
17	A2006720	43+28.52	26.79'	LT
17	A2003224	46+22.53	28.06'	LT
17	A2002520	46+26.37	26.55'	RT
17	A2002120	46+47.37	27.12'	RT
17	A2002024	46+54.11	27.39'	LT
17	A2004424	46+73.47	26.94'	RT
17	A2005024	48+48.09	58.56'	LT
17	B2010066	48+49.37	190.22'	RT
17	A2007628	48+40.83	201.92'	RT
17	B2006070	48+51.66	211.19'	RT
17	A2005620	48+57.34	26.91'	RT
18	A2004424	50+98.46	26.29'	RT
18	A2006520	51+41.01	26.97'	RT
18	A2006610	51+76.04	27.01'	RT
18	A2003224	52+04.23	26.77'	RT
18	A2002120	52+53.38	27.14'	RT
18	A2002024	52+97.14	27.24'	RT
18	A2005620	53+20.17	26.74'	RT
18	A2006820	54+01.44	27.11'	RT
18	A2006720	54+39.39	27.17'	RT
18	A2018720	54+70.50	26.72'	LT
18	A2004424	56+63.83	26.81'	RT
18	A2002120	56+83.58	36.56'	LT
18	A2018720	57+15.25	36.05'	LT
18	A2006820	57+18.96	26.84'	RT
18	A2006720	57+46.64	34.15'	LT
18	A2006616	57+55.08	27.10'	RT
18	A2018720	57+76.63	30.87'	LT
18	A2005716	57+91.94	26.82'	RT
18	A2002024	58+09.39	27.29'	LT
18	A2002520	58+25.30	25.12'	RT
18	A2005620	58+64.60	24.85'	RT
18	A2004424	59+01.72	24.29'	RT
18	A2003224	59+35.74	24.26'	RT
18	A2005024	59+38.87	24.39'	LT
18	A2004424	59+71.56	28.24'	LT
18	A2002120	59+76.05	21.20'	RT
GREEN BAY ROAD				
18	A2002024	3+98.63	38.62'	LT
18	A2002520	4+30.13	39.65'	LT
18	A2003224	4+68.40	39.86'	LT
18	A2004424	4+95.49	40.11'	LT
18	A2005716	7+22.27	44.04'	LT
18	A2006616	7+46.79	44.42'	LT
18	A2018720	7+72.00	44.25'	LT
18	A2006520	8+62.94	43.44'	LT
18	A2005620	8+94.82	42.91'	LT
18	A2005024	9+56.49	41.84'	LT
18	A2004424	10+10.36	33.83'	LT

TREES TO BE REMOVED

STATION	OFFSET	SIZE
McCORMICK BOULEVARD		
16+62.43	36.23' RT	11"
18+38.12	27+06' LT	10"
18+83.61	24+81' LT	28"
19+36.57	24.06' LT	28"
20+90.44	22.77' LT	14"
29+75.98	197.22' RT	8"
29+82.96	208.29' RT	7"
29+86.35	37.62' RT	8"
29+90.25	192.43' RT	7"
29+95.49	207.14' RT	36"
30+01.94	203.10' RT	20"
30+01.99	205.75' RT	17"
48+38.73	196.61' RT	7"
48+40.34	211.11' RT	7"
48+46.31	194.26' RT	6"
48+51.35	221.14' RT	8"
48+52.90	214.46' RT	8"
55+92.62	24.41' LT	13"
55+96.54	66.75' LT	20"
55+97.01	73.79' LT	19"
56+12.67	25.42' LT	25"
56+14.95	60.82' LT	16"
56+39.29	25.29' LT	20"
59+51.02	23.38' LT	9"
59+86.27	23.87' LT	12"
GREEN BAY ROAD		
6+61.02	39.47' LT	16"
7+46.82	40.10' LT	24"
7+89.28	41.17' LT	24"
9+39.84	39.72' LT	18"

SALVAGED TREES

McCORMICK BOULEVARD			
TREE NO.	STATION	OFFSET	SIZE
T-1	19+83.23	24.78' LT	2"
T-2	29+81.49	66.46' RT	4"
T-3	29+83.06	136.80' RT	4"
T-4	29+99.60	66.16' RT	4"
T-5	30.03.28	137.67' RT	4"
T-6	39+88.35	24.33' LT	5"
T-7	40+34.40	23.78' LT	5"
T-8	55+67.88	62.70' LT	6"
GREEN BAY ROAD			
T-9	6+28.21	74.51' LT	4"
T-10	6+93.75	47.25' LT	5"
T-11	8+57.58	51.46' LT	7"

COMB CONC CURB AND GUTTER TY B-6.12

SHEET NO.	FROM STA.	TO STA.	LT/RT	LENGTH
19	16+13	16+13	LT (DWAY)	21'
19	16+50	16+50	LT (DWAY)	20'
23	9+07	9+07	LT (DWAY)	26'
23	9+28	9+28	LT (DWAY)	26'

COMB CONC CURB AND GUTTER TY B-6.18

SHEET NO.	FROM STA.	TO STA.	LT/RT	LENGTH	
19	20+78	23+00	RT	221'	
19	14+00	23+00	LT	966'	
20	23+00	36+00	RT	1300'	
20	23+00	36+00	LT	1300'	
21	36+00	39+04.22	LT	354'	
21	36+00	39+46.36	RT	380'	
21	39+25.68	48+61.91	LT	995'	
21	39+68.02	49+00	RT	972'	
21	ECOL.DWAY	ECOL.DWAY	RT	85'	(NON-PART.)
21	48+81.32	49+00	LT	64'	
22	49+00	55+65	LT	716'	
22	49+00	59+50	RT	1,050'	
22	56+03	59+50	LT	388'	
GREEN BAY ROAD					
23	59+50	10+52.84	LT	496'	
23	3+73.52	59+50	LT	262'	
PRAIRIE AVENUE					
24	11+00	11+42	LT	56'	
24	11+00	11+79	RT	79'	
24	11+62	11+80	LT	47'	

COMB CONC CURB AND GUTTER TY B-6.24

SHEET NO.	FROM STA.	TO STA.	LT/RT	LENGTH
19	14+00	20+78	RT	686'

COMB CONC CURB AND GUTTER TY M-6.12 (NON-PART.)

SHEET NO.	FROM STA.	TO STA.	LT/RT	LENGTH
34	ECOLOGY CENTER DWAY		RT	350'

CONC CURB TY B

SHEET NO.	FROM STA.	TO STA.	LT/RT	LENGTH
19	16+81	16+81	LT (DWAY)	17'
19	17+13	17+13	LT (DWAY)	21'
19	17+52	17+52	LT (DWAY)	24'
19	17+85	17+85	LT (DWAY)	27'
22	58+17	58+17	LT (DWAY)	12'
22	58+50	58+50	LT (DWAY)	12'
GREEN BAY ROAD				
23	9+35	9+87	LT (PARK.)	52'

CURB REMOVAL

SHEET NO.	FROM STA.	TO STA.	LT/RT	LENGTH
19	16+81	16+81	LT (DWAY)	16'
19	17+13	17+13	LT (DWAY)	22'
19	17+52	17+52	LT (DWAY)	24'
19	17+85	17+85	LT (DWAY)	30'
22	58+17	58+17	LT (DWAY)	14'
22	58+50	58+50	LT (DWAY)	15'
GREEN BAY ROAD				
23	9+35	9+87	LT (PARK.)	73'

COMB CURB AND GUTTER REMOVAL

SHEET NO.	FROM STA.	TO STA.	LT/RT	LENGTH	
19	14+00	14+41	LT	96'	
19	14+00	14+53	RT	67'	
19	14+41	23+00	LT	868'	
19	14+53	23+00	RT	839'	
19	16+13	16+13	LT	19'	
19	16+50	16+50	LT	20'	
20	23+00	36+00	LT	1,300'	
20	23+00	36+00	RT	1,300'	
21	36+00	39+02	LT	357'	
21	36+00	39+41.68	RT	380'	
21	39+26.24	48+61.64	LT	997'	
21	48+81.75	49+00	LT	66'	
21	39+77.19	49+00	RT	979'	
21	ECOL.DWAY	ECOL.DWAY	RT	49'	(NON-PART.)
22	49+00	57+93.15	RT	888'	
22	57+93.15	59+50	RT	369'	
22	49+00	56+01.22	LT	893'	
22	56+51.18	59+50	LT	318'	
GREEN BAY ROAD					
23	3+93.20	5+63.48	LT	469'	
23	6+10.21	9+06.08	LT	408'	
23	9+28.88	10+52.88	LT	159'	
PRAIRIE AVENUE					
24	11+00	11+44	LT	83'	
24	11+63	11+80	LT	46'	
24	11+00	11+79	RT	105'	

EARTHWORK SCHEDULE OF QUANTITIES

LOCATION	REM & DISP UNSUITABLE MATERIAL (PGES) (CUBIC YARDS)			EARTH EXCAVATION (UNSUITABLE) (CUBIC YARDS)				FURNISHED EXCAVATION (CUBIC YARDS)		
	STAGE I	STAGE II	STAGE III	STAGE I	STAGE II	STAGE III	STAGE IV	STAGE I	STAGE II	STAGE III
MCCORMICK BLVD.										
STA. 14+00 TO 38+63	640	640		1,400.8	1,400.8			37.9	37.9	
STA. 38+63 TO 60+32			1,205			2,687				37.6
GREEN BAY ROAD										
3+74 TO 10+53			50			1,027.5				0.9
ECOLOGY CENTER(N.P.)							900			

NOTE: POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES) HAS BEEN PROVIDED AT THE LOCATIONS INDICATED FOR SOILS WHICH TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER BY USE OF A CONE PENETROMETER IN CONJUNCTION WITH THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE SOILS ARE ENCOUNTERED THE SOILS SHALL BE REMOVED AND REPLACED WITH PGES. IF UNSTABLE SOILS ARE NOT ENCOUNTERED, THE QUANTITY WILL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

A QUANTITY OF GEOTECHNICAL FABRIC FOR GROUND STABILIZATION HAS BEEN PROVIDED FOR USE UNDERNEATH THE PGES IN ANY UNDERCUT AREAS.

ALL EARTH EXCAVATION SHALL BE CONSIDERED UNSUITABLE FOR USE AS EMBANKMENT ON THIS PROJECT.

REVISIONS	
NAME	DATE
CEC/PAS	5/23/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

McCORMICK BOULEVARD

NO SCALE

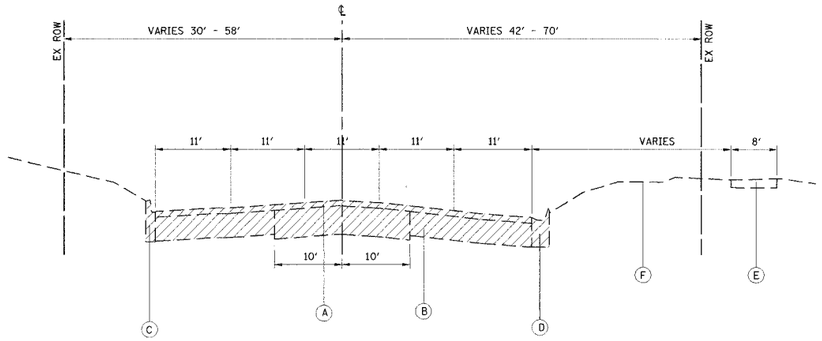
DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

TRANSYSTEMS CORPORATION
1001 FEATHERSTONE DRIVE
SUITE 1025
SCHAUMBURG, IL 60173

4002Sch0Quan.sht

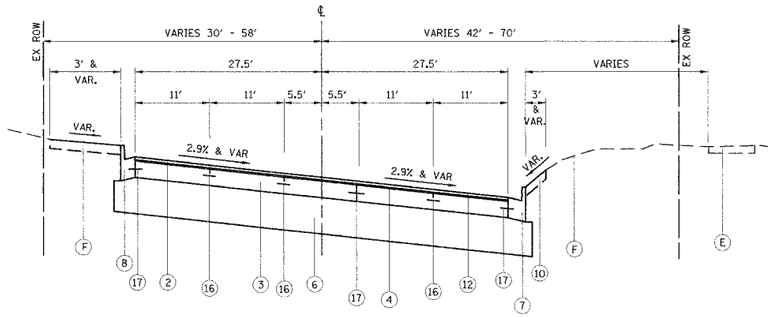
F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	8
STA		TO STA		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



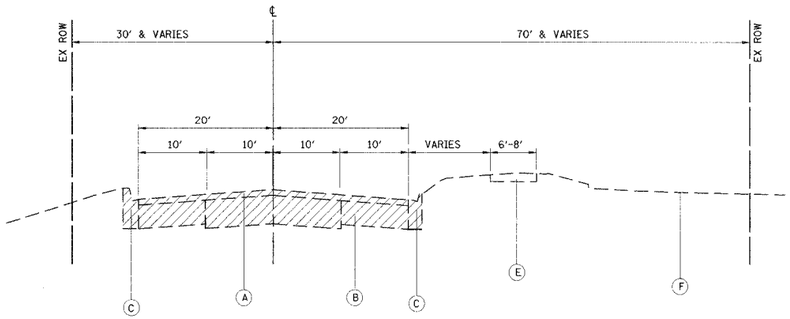
EXISTING TYPICAL SECTION

McCORMICK BOULEVARD
STATION 14+00.00 TO 21+20.00



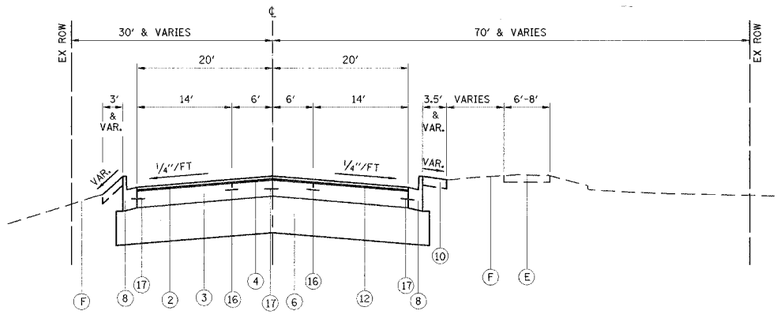
PROPOSED TYPICAL SECTION

McCORMICK BOULEVARD
STATION 14+00.00 TO 20+81.00
SE=2.9% AND VARIES



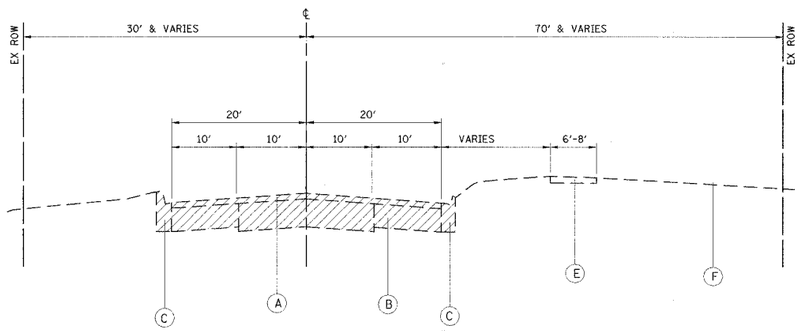
EXISTING TYPICAL SECTION

McCORMICK BOULEVARD
STATION 21+20.00 TO 55+85.00



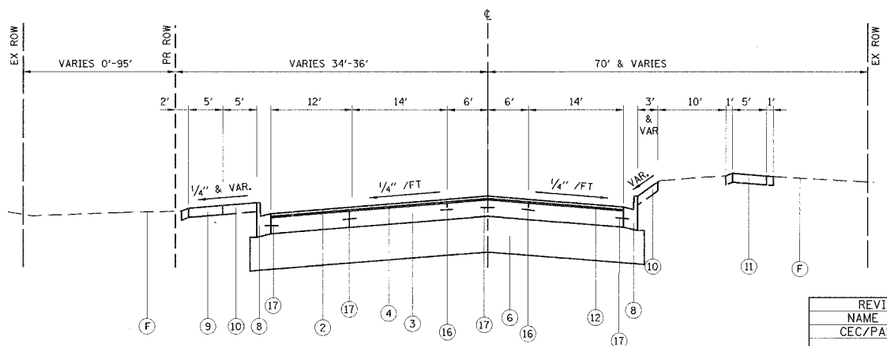
PROPOSED TYPICAL SECTION

McCORMICK BOULEVARD
STATION 20+81.00 TO 55+85.00



EXISTING TYPICAL SECTION

McCORMICK BOULEVARD
STATION 55+85.00 TO 58+17.00



PROPOSED TYPICAL SECTION

McCORMICK BOULEVARD
STATION 55+85.00 TO 58+17.00

EXISTING LEGEND

- (A) BITUMINOUS CONCRETE BINDER AND SURFACE COURSES, 3"-4" AND VARIES
- (B) PORTLAND CEMENT CONCRETE PAVEMENT 8" (INSIDE LANES) 10" (OUTSIDE LANES)
- (C) COMBINATION CONCRETE CURB & GUTTER TYPE B-6.12
- (D) COMBINATION CONCRETE CURB & GUTTER TYPE B-6.24
- (E) AGGREGATE PATH
- (F) GROUND LINE
- (G) PORTLAND CEMENT CONCRETE SIDEWALK
- (H) BITUMINOUS SURFACE REMOVAL 4"
- (I) PORTLAND CEMENT CONCRETE BASE COURSE, 10"

PROPOSED LEGEND

- (1) EXISTING PAVEMENT TO REMAIN
- (2) BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70, 1½"
- (3) PORTLAND CEMENT CONCRETE BASE COURSE, 9"
- (4) POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE, IL-4.75, N50, ¾"
- (5) BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N70 2½"
- (6) AGGREGATE SUBGRADE 12"
- (7) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- (8) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.18
- (9) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (10) TOPSOIL FURNISH AND PLACE, 4" SODDING, SALT TOLERANT NITROGEN FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT PHOSPHOROUS FERTILIZER NUTRIENT
- (11) LIMESTONE TRAIL SCREENINGS, 2" AGGREGATE BASE COURSE, TY B, 6"
- (12) BITUMINOUS MATERIALS (PRIME COAT)
- (13) AGGREGATE (PRIME COAT)
- (14) NOT USED
- (15) NOT USED
- (16) LONGITUDINAL SAWED JOINT (NO. 6 X 30" EPOXY COATED TIE BARS @ 30" CTS)
- (17) LONGITUDINAL CONSTRUCTION JOINT TIE BAR FORMED IN PLACE (NO. 6 X 30" EPOXY COATED TIE BARS @ 24" CTS)
- (18) LONGITUDINAL CONSTRUCTION JOINT TIE BAR GROUTED IN PLACE (NO. 6 X 24" EPOXY COATED TIE BARS @ 24" CTS)

REVISIONS	
NAME	DATE
CEC/PAS	5/23/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

McCORMICK BOULEVARD

NO SCALE

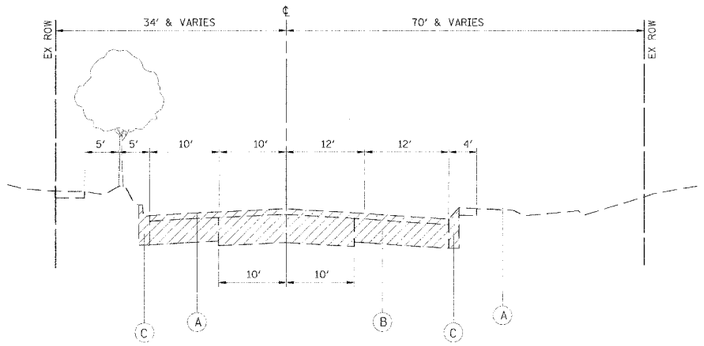
DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

TRANSYSTEMS CORPORATION
101 PROGRESS DRIVE
SUITE 100
SCHAUMBURG, IL 60173

TYPICAL.SHT

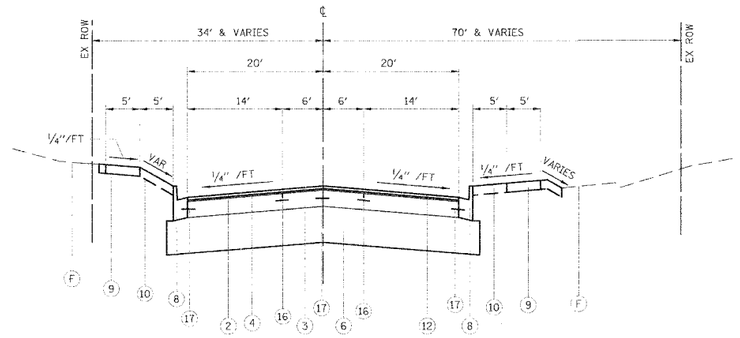
F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	9
STA	TO STA			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



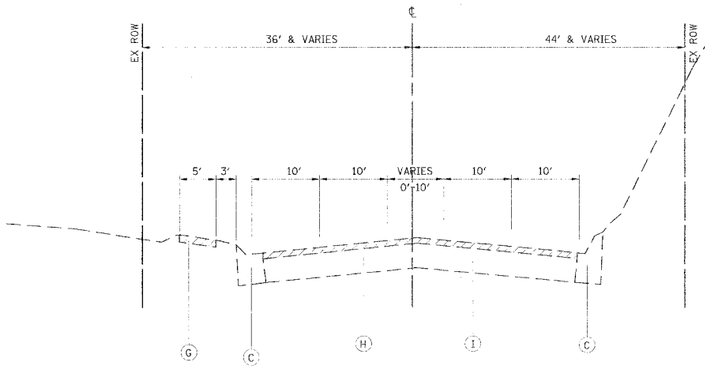
EXISTING TYPICAL SECTION

McCORMICK BOULEVARD
STATION 58+17.00 TO 60+32.05



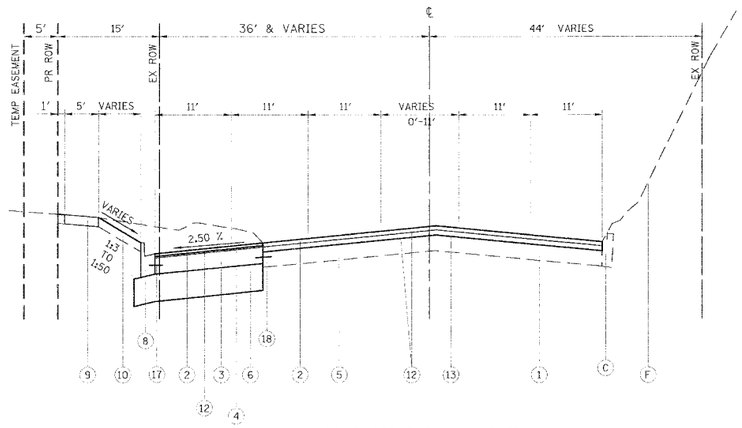
PROPOSED TYPICAL SECTION

McCORMICK BOULEVARD
STATION 58+17.00 TO 60+32.05



EXISTING TYPICAL SECTION

GREEN BAY ROAD
STATION 3+73.52 TO 10+52.84



PROPOSED TYPICAL SECTION

GREEN BAY ROAD
STATION 3+73.52 TO 10+52.84

EXISTING LEGEND

- (A) BITUMINOUS CONCRETE BINDER AND SURFACE COURSES, 3"-4" AND VARIES
- (B) PORTLAND CEMENT CONCRETE PAVEMENT 8" (INSIDE LANES) 10" (OUTSIDE LANES)
- (C) COMBINATION CONCRETE CURB & GUTTER TYPE B-6.12
- (D) COMBINATION CONCRETE CURB & GUTTER TYPE B-6.24
- (E) AGGREGATE PATH
- (F) GROUND LINE
- (G) PORTLAND CEMENT CONCRETE SIDEWALK
- (H) BITUMINOUS SURFACE REMOVAL 4"
- (I) PORTLAND CEMENT CONCRETE BASE COURSE, 10"

PROPOSED LEGEND

- (1) EXISTING PAVEMENT TO REMAIN
- (2) BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70, 1½"
- (3) PORTLAND CEMENT CONCRETE BASE COURSE, 9"
- (4) POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE, IL-4.75, N50, ¾"
- (5) BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N70 2½"
- (6) AGGREGATE SUBGRADE 12"
- (7) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- (8) COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.18
- (9) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (10) TOPSOIL FURNISH AND PLACE, 4" SODDING, SALT TOLERANT NITROGEN FERTILIZER NUTRIENT POTASSIUM FERTILIZER NUTRIENT PHOSPHOROUS FERTILIZER NUTRIENT
- (11) LIMESTONE TRAIL SCREENINGS, 2" AGGREGATE BASE COURSE, TY B, 6"
- (12) BITUMINOUS MATERIALS (PRIME COAT)
- (13) AGGREGATE (PRIME COAT)
- (14) NOT USED
- (15) NOT USED
- (16) LONGITUDINAL SAWED JOINT (NO. 6 X 30" EPOXY COATED TIE BARS @ 30" CTS)
- (17) LONGITUDINAL CONSTRUCTION JOINT TIE BAR FORMED IN PLACE (NO. 6 X 30" EPOXY COATED TIE BARS @ 24" CTS)
- (18) LONGITUDINAL CONSTRUCTION JOINT TIE BAR GROUTED IN PLACE (NO. 6 X 24" EPOXY COATED TIE BARS @ 24" CTS)

McCORMICK BOULEVARD

STRUCTURAL DESIGN TRAFFIC: YEAR 2015

PV = 12526 SU = 0 MU = 522

ROAD/STREET CLASSIFICATION: CLASS 1

PERCENT OF DESIGN TRAFFIC IN DESIGN LANE:

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

TRAFFIC FACTOR: Actual TF = 3.65
Minimum TF = None

SUBGRADE SUPPORT RATING/IBR:
SSR = POOR IBR: 1.9

COMPOSITE PAVEMENT STRUCTURAL NUMBER:
SN_c = 3.85

SUPERPAVE SURFACE COURSE THICKNESS = 2.25"
PCC BASE COURSE THICKNESS = 9"

BITUMINOUS MIXTURE REQUIREMENT

	PAY ITEM	AC TYPE	VOIDS	MAX RAP %
**	BITUMINOUS BASE COURSE, SUPERPAVE, 6"-8"	PG 58-22	2% @ 50 GYR	50
	POLYMERIZED LEVELING BINDER (MM) SUPERPAVE, IL-4.75, N50	SBS/SBR PG 76-28	2.5% @ 50 GYR	0
**	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX C, N50	PG 64-22	4% @ 50 GYR	15
	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX D, N70	PG 64-22	4% @ 70 GYR	10
	BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19, N70	PG 64-22	4% @ 70 GYR	15

* DESIGNERS USED A UNIT WEIGHT OF 112#/SQ.YD. /INCH FOR ALL BITUMINOUS ITEMS

** SEE DRIVEWAY DETAILS (SHEETS 54 & 55)

REVISIONS NAME	DATE
CEC/PAS	5/23/05
CEC/PAS	9/06/05
CEC/PAS	12/02/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS
McCORMICK BOULEVARD
GREEN BAY ROAD

NO SCALE

DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

TYPICAL.SHT

TRANSYSTEMS CORPORATION
1701 PERIMETER DRIVE
SUITE 1035
SCHAUMBURG, IL 60173

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	10
STA	TO STA			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

ALIGNMENT COORDINATE TABLE - McCORMICK BOULEVARD

CONTROL POINT	STATION	NORTHING	EASTING
POC	14+00.00	1,962,368.50	1,153,773.13
PT-1	15+54.61	1,962,490.73	1,153,867.73
PC-2	16+81.61	1,962,587.95	1,153,949.45
PT-2	21+81.05	1,962,914.36	1,154,324.79
POT	36+15.23	1,963,675.82	1,155,540.13
POT	43+15.66	1,964,046.87	1,156,134.21
POT	60+74.50	1,965,004.84	1,157,609.26

ALIGNMENT COORDINATE TABLE - GREEN BAY ROAD

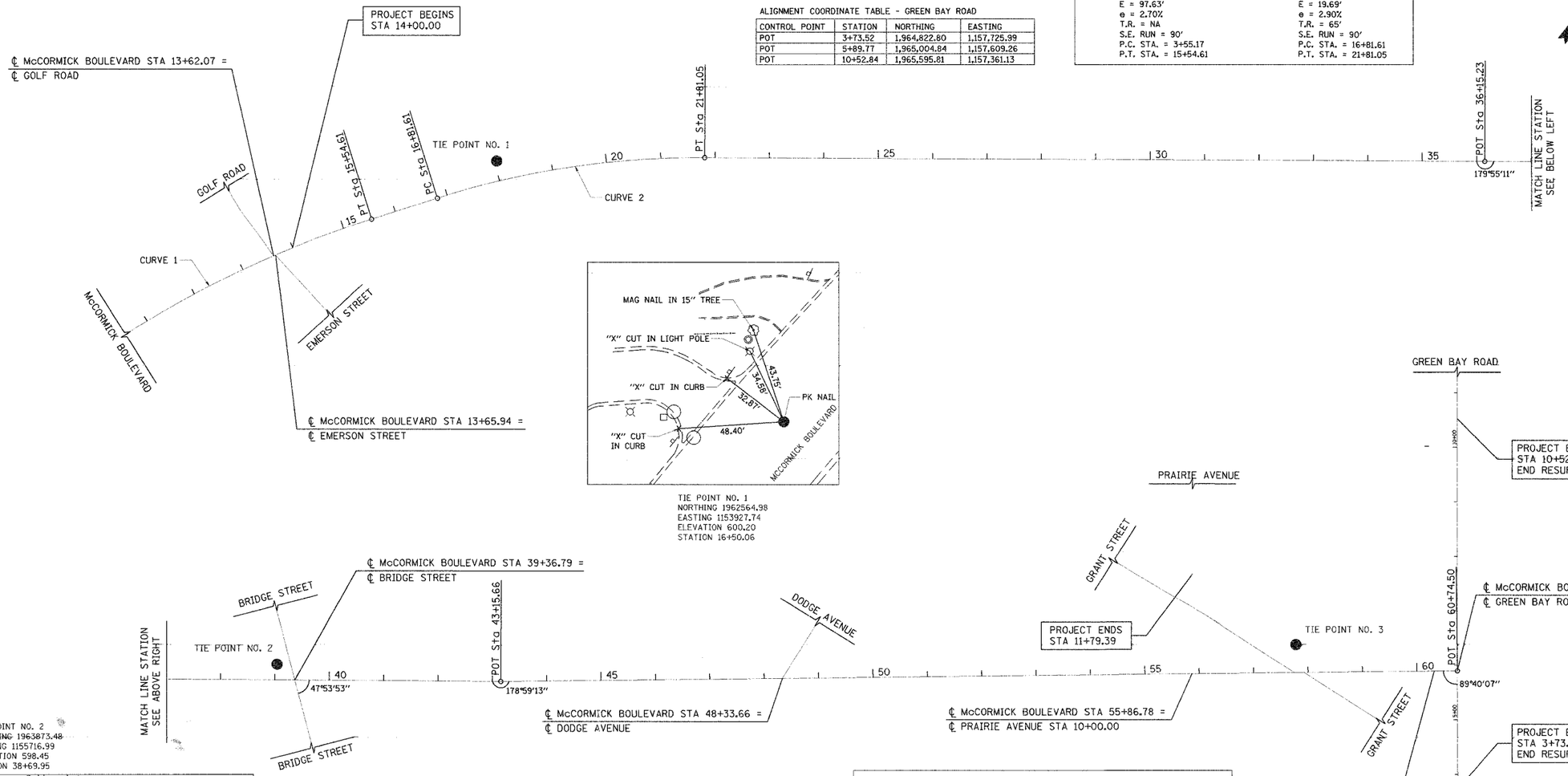
CONTROL POINT	STATION	NORTHING	EASTING
POT	3+73.52	1,964,822.80	1,157,725.99
POT	5+89.77	1,965,004.84	1,157,609.26
POT	10+52.84	1,965,595.81	1,157,361.13

℄ PROPOSED CONSTRUCTION
McCORMICK BOULEVARD
CURVE 1

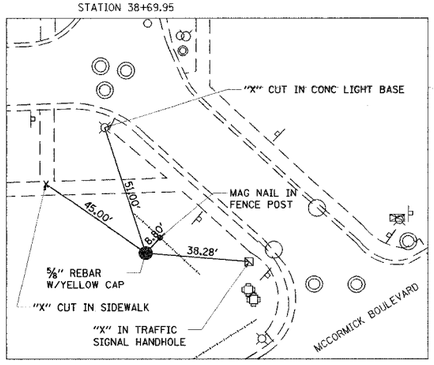
PI STA. = 9+75.19
Δ = 35° 47′ 35″ (RT)
D = 2° 59′ 03″
R = 1,920.00′
T = 620.02′
L = 1,199.44′
E = 97.63′
e = 2.70%
T.R. = NA
S.E. RUN = 90′
P.C. STA. = 3+55.17
P.T. STA. = 15+54.61

℄ PROPOSED CONSTRUCTION
McCORMICK BOULEVARD
CURVE 2

PI STA. = 19+33.38
Δ = 17° 53′ 06″ (RT)
D = 3° 34′ 52″
R = 1,600.00′
T = 251.77′
L = 499.44′
E = 19.69′
e = 2.90%
T.R. = 65′
S.E. RUN = 90′
P.C. STA. = 16+81.61
P.T. STA. = 21+81.05



TIE POINT NO. 1
NORTHING 1962564.98
EASTING 1153927.74
ELEVATION 600.20
STATION 16+50.06

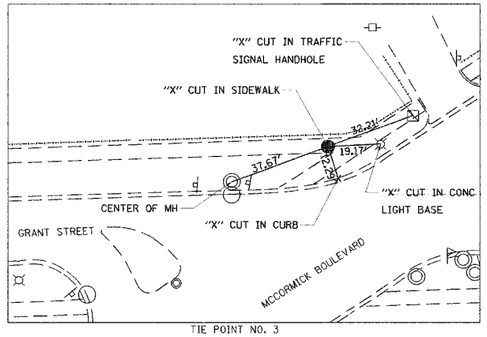


TIE POINT NO. 2
NORTHING 1963873.48
EASTING 1155716.99
ELEVATION 598.45
STATION 38+69.95

BENCHMARKS

NAME	STATION	OFFSET	NORTHING	EASTING	ELEVATION
BM1			1962294.24	1153786.14	600.80
BM2			1964933.52	1157607.96	600.94
CP1			1961371.46	1153423.33	598.99
CP2			1961901.11	1153528.12	599.34
CP3	13+35.28	43.60′ RT	1962291.08	1153772.86	600.32
CP10	21+88.41	34.93′ RT	1962888.66	1154349.57	601.56
CP11	25+10.82	29.14′ RT	1963064.76	1154619.71	600.45
CP12	29+42.23	23.34′ RT	1963298.72	1154982.21	599.46
CP13	34+61.89	29.96′ LT	1963619.79	1155394.28	599.01
CP15	38+96.57	156.61′ LT	1963957.68	1155695.79	599.51
CP16			1963994.04	1156004.59	600.07
CP17			1963548.29	1156067.29	600.64
CP18			1964104.82	1156825.34	599.64
CP19	48+27.32	23.89′ LT	1964345.58	1156550.29	598.48
CP20	51+24.22	23.41′ RT	1964467.62	1156825.05	599.17
CP21	54+71.84	44.14′ RT	1964639.57	1157127.87	601.09
CP23			1964925.79	1157624.42	601.25
CP27			1964455.99	1157922.81	598.87

MCCORMICK BLVD DATUM (USGS) = 579.90 FEET ABOVE EVANSTON DATUM



TIE POINT NO. 3
NORTHING 1964877.10
EASTING 1157347.55
ELEVATION 599.08
STATION 57+85.43

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES, AND BENCH MARKS

McCORMICK BOULEVARD

SCALE: 1"=100'

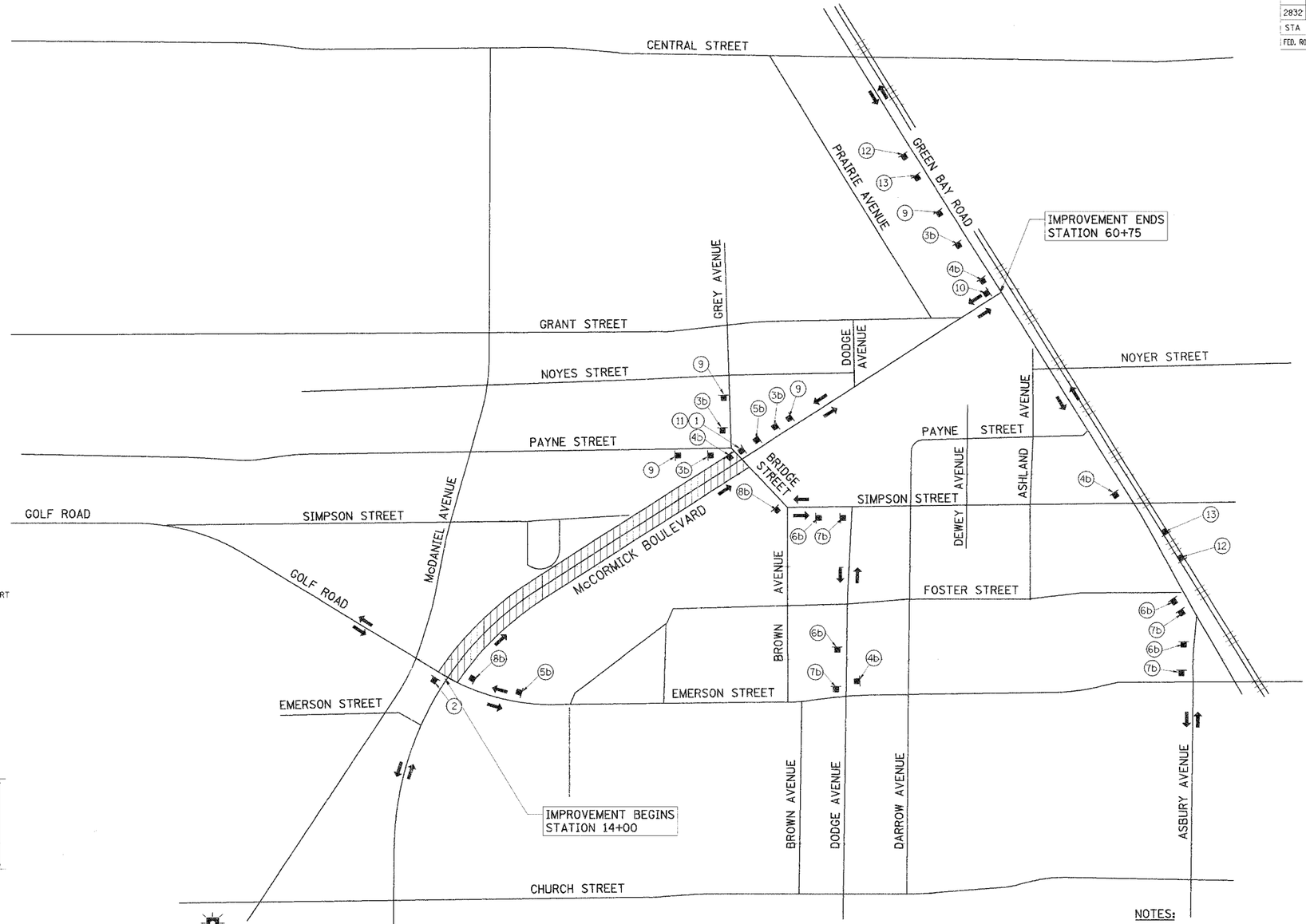
DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

TRANSYSTEMS CORPORATION
1001 PERIMETER DRIVE
SUITE 1025
SCHAUMBURG, IL 60173

44US+1 dgn

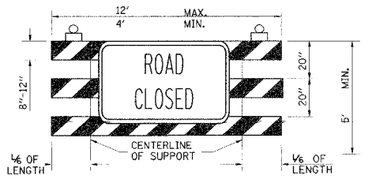
F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	11
STA		TO STA		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



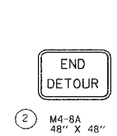
LEGEND

- SIGN ON PORTABLE OR PERMANENT SUPPORT
- (#) SIGN DESCRIPTION NUMBER
- TWO-WAY TRAFFIC FLOW
- FLASHING LIGHT (TYPE A)
- DETOUR ROUTE
- WORK AREA

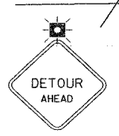


(1) ROAD CLOSED TO ALL TRAFFIC
TYPE III BARRICADE
STANDARD FLASHING
(IDOT HWY STD 702001)
W/ R11-2 (48" × 30")

(10) ROAD CLOSED TO THRU TRAFFIC
TYPE III BARRICADE
STANDARD FLASHING
(IDOT HWY STD 702001)
W/ R11-4 (60" × 30")

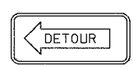


(2) M4-8A
48" X 48"

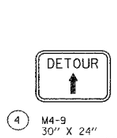


(3) W20-2
48" X 48"
STANDARD FLASHING
BLACK ON ORANGE
(REFLECTORIZED)

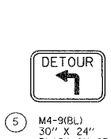
(9) W20-3A
48" X 48"
STANDARD FLASHING



(11) M4-10L
48" X 24"
BLACK ON ORANGE
(REFLECTORIZED)



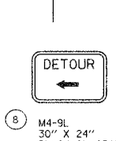
(4) M4-9
30" X 24"
BLACK ON ORANGE
(REFLECTORIZED)



(5) M4-9(BL)
30" X 24"
BLACK ON ORANGE
(REFLECTORIZED)

(6) M4-9(BR)
30" X 24"
BLACK ON ORANGE
(REFLECTORIZED)

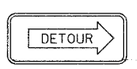
(7) M4-9R
30" X 24"
BLACK ON ORANGE
(REFLECTORIZED)



(8) M4-9L
30" X 24"
BLACK ON ORANGE
(REFLECTORIZED)

(12) W20-1 (0)-48

(13) W21-1a(0)-48



(14) M4-10R
48" X 24"
BLACK ON ORANGE
(REFLECTORIZED)

(15)

McCORMICK BLVD
NORTHBOUND

a. W17-1100 (2 EACH)
24" X 12"
BLACK ON ORANGE
(REFLECTORIZED)

McCORMICK BLVD
SOUTHBOUND

b. W17-1100 (2 EACH)
24" X 12"
BLACK ON ORANGE
(REFLECTORIZED)

NOTES:

1. SEE STATE STANDARDS AND MAINTENANCE OF TRAFFIC PLANS FOR SIGNING AND BARRICADES ALONG McCORMICK BOULEVARD.
2. LOCAL ACCESS FOR ALL RESIDENTS AND BUSINESSES SHALL BE MAINTAINED AT ALL TIMES AS SHOWN IN THE PLANS.
3. ALL DETOUR SIGNING FOR ALL CONSTRUCTION STAGES SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETOUR PLAN
CONSTRUCTION STAGES 1 AND 2
McCORMICK BOULEVARD

NO SCALE

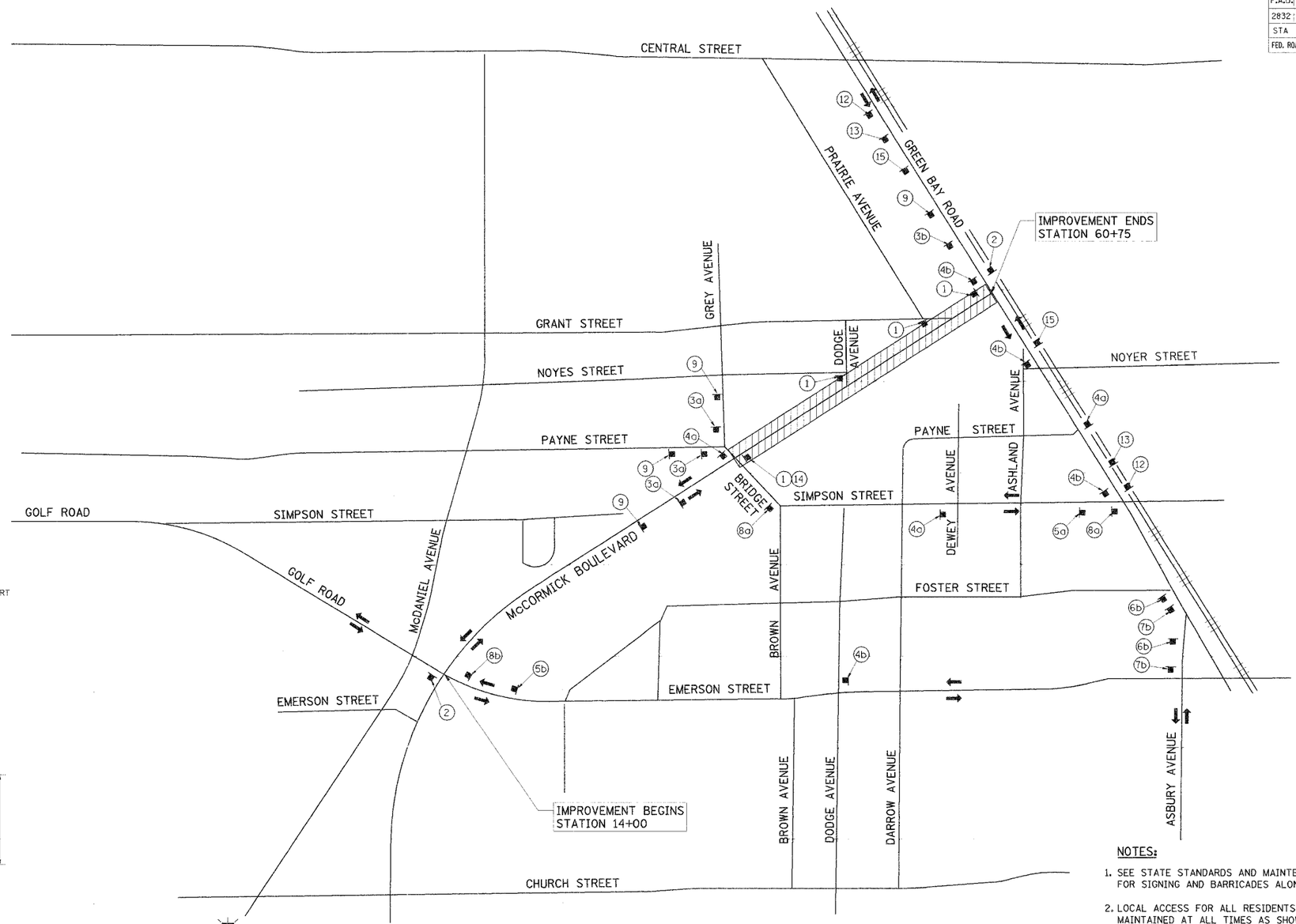
DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

40022DETOUR1_2.SHT

TRANSYSTEMS CORPORATION
105 PERIMETER DRIVE
SUITE 100
SCHAUMBURG, IL 60173

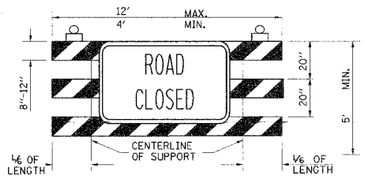
F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	12
STA		TO STA		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



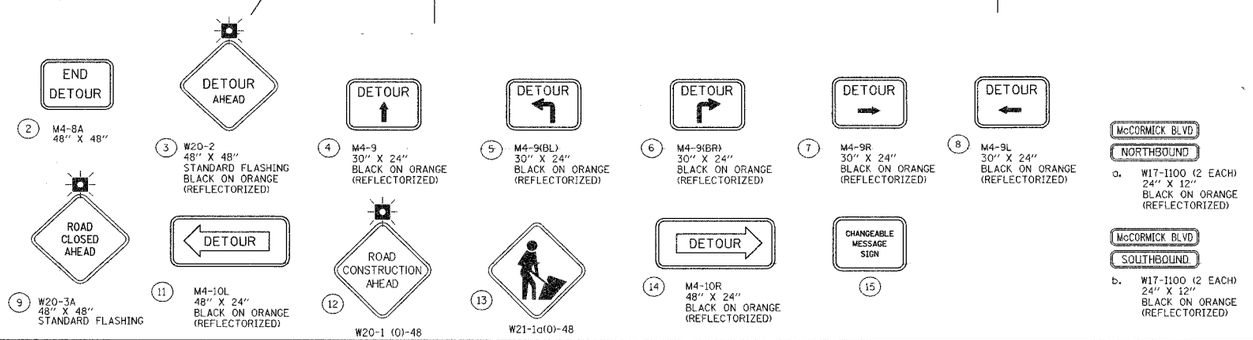
LEGEND

- SIGN ON PORTABLE OR PERMANENT SUPPORT
- SIGN DESCRIPTION NUMBER
- TWO-WAY TRAFFIC FLOW
- FLASHING LIGHT (TYPE A)
- DETOUR ROUTE
- WORK AREA



(1) ROAD CLOSED TO ALL TRAFFIC
TYPE III BARRICADE
STANDARD FLASHING
(IDOT HWY STD 702001)
W/ R11-2 (48" x 30")

(10) ROAD CLOSED TO THRU TRAFFIC
TYPE III BARRICADE
STANDARD FLASHING
(IDOT HWY STD 702001)
W/ R11-4 (60" x 30")



(2) M4-8A
48" X 48"

(3) W20-2
48" X 48"
STANDARD FLASHING
BLACK ON ORANGE
(REFLECTORIZED)

(4) M4-9
30" X 24"
BLACK ON ORANGE
(REFLECTORIZED)

(5) M4-9(BL)
30" X 24"
BLACK ON ORANGE
(REFLECTORIZED)

(6) M4-9(BR)
30" X 24"
BLACK ON ORANGE
(REFLECTORIZED)

(7) M4-9R
30" X 24"
BLACK ON ORANGE
(REFLECTORIZED)

(8) M4-9L
30" X 24"
BLACK ON ORANGE
(REFLECTORIZED)

(9) W20-3A
48" X 48"
STANDARD FLASHING

(11) M4-10L
48" X 24"
BLACK ON ORANGE
(REFLECTORIZED)

(12) W20-1 (0)-48

(13) W21-1a(0)-48

(14) M4-10R
48" X 24"
BLACK ON ORANGE
(REFLECTORIZED)

(15)

McCORMICK BLVD
NORTHBOUND

a. W17-1100 (2 EACH)
24" X 12"
BLACK ON ORANGE
(REFLECTORIZED)

McCORMICK BLVD
SOUTHBOUND

b. W17-1100 (2 EACH)
24" X 12"
BLACK ON ORANGE
(REFLECTORIZED)

NOTES:

1. SEE STATE STANDARDS AND MAINTENANCE OF TRAFFIC PLANS FOR SIGNING AND BARRICADES ALONG McCORMICK BOULEVARD.
2. LOCAL ACCESS FOR ALL RESIDENTS AND BUSINESSES SHALL BE MAINTAINED AT ALL TIMES AS SHOWN IN THE PLANS.
3. ALL DETOUR SIGNING FOR ALL CONSTRUCTION STAGES SHALL BE INCLUDED IN THE CONTRACT LUMP SUM PRICE FOR TRAFFIC CONTROL AND PROTECTION.
4. DETOUR ROUTE FOR NORTHBOUND McCORMICK BOULEVARD SHALL UTILIZE SIMPSON STREET AND GREEN BAY ROAD. DETOUR ROUTE FOR SOUTHBOUND McCORMICK BOULEVARD SHALL UTILIZE GREEN BAY ROAD AND EMERSON STREET.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETOUR PLAN
CONSTRUCTION STAGE 3
McCORMICK BOULEVARD

NO SCALE

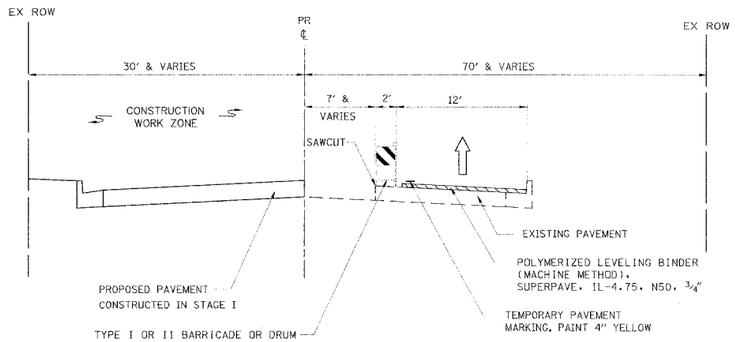
DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

4002DETOUR3.SHT

TRANSYSTEMS CORPORATION
1001 PERIMETER DRIVE
SUITE 400
SCHAUMBURG, IL 60173

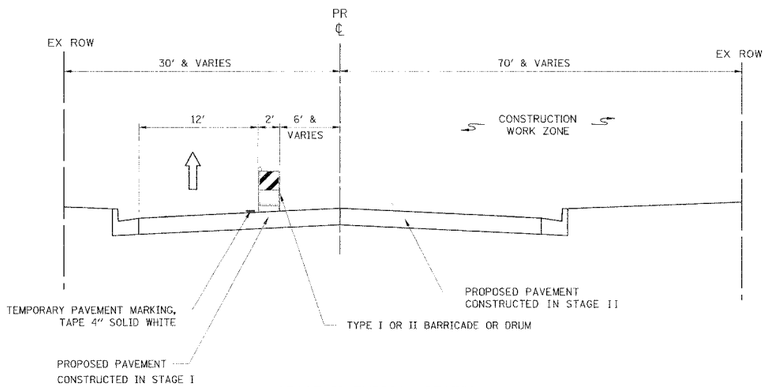
F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	13
STA		TO STA		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



STAGE I TYPICAL SECTION
McCORMICK BOULEVARD

STATION 14+00 TO STATION 39+25



STAGE II TYPICAL SECTION
McCORMICK BOULEVARD

STATION 14+00 TO STATION 39+25

PLAN SHEET LEGEND

- CONSTRUCTION WORK ZONE
- BARRICADE, TYPE I OR II OR DRUM WITH STEADY BURN LIGHTS @ 50 FT. C. TO C. (TYP) - 25 FT. C. TO C. IN TAPERS, CURVES AND 12' C. TO C. FOR RADII
- TYPE III BARRICADE WITH TWO FLASHING BEACONS
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- VERTICAL PANELS WITH STEADY BURNING LIGHT
- FLASHING LIGHT (TYPE A)
- DIRECTION OF TRAFFIC FLOW
- ARROW BOARD

SUGGESTED CONSTRUCTION STAGING

PRE-STAGE I - SEWER OUTFALLS I, II & III

1. CONSTRUCT STORM OUTFALL I, II & III. THIS WORK SHALL BE COMPLETED BY APRIL 30, 2006 UTILIZING ONLY ONE MOBILIZATION.
2. MAINTAIN TWO WAY TRAFFIC ON McCORMICK BOULEVARD AT ALL TIMES.
3. RESTORE LANDSCAPING WITHIN LADD ARBORETUM.
4. INSTALL TEMPORARY FENCING ACROSS ARBORETUM.

STAGE I - EMERSON STREET TO BRIDGE STREET
MARCH 20 TO JUNE 5: 2.5 MONTHS

1. RESURFACE OUTSIDE NORTHBOUND TRAFFIC LANE UNDER DAYTIME LANE CLOSURES.
2. ALIGN EXISTING TEMPORARY TRAFFIC SIGNALS AT BRIDGE STREET. REMOVE EXISTING SIGNAL EQUIPMENT.
3. ESTABLISH ONE WAY NORTHBOUND TRAFFIC ALONG THE EAST SIDE OF MCCORMICK BOULEVARD AS SHOWN ON THE PLANS.
4. THE FOLLOWING OPERATIONS SHALL BE PERFORMED ALONG THE WEST SIDE OF MCCORMICK BOULEVARD:
   * REMOVE EXISTING PAVEMENT AND CURB & GUTTER.
   * UTILITY ADJUSTMENTS
   * CONSTRUCT STORM SEWER MAINLINE, LATERALS AND STRUCTURES.
   * CONSTRUCT PCC BASE CSE, LEVELING BINDER CSE AND CURB & GUTTER.
   * CONSTRUCT TEMPORARY PAVEMENT AT EMERSON STREET AND BRIDGE STREET.
5. PLACE TEMPORARY SEEDING ON THE WEST SIDE OF THE ROADWAY.

STAGE II - EMERSON STREET TO BRIDGE STREET
JUNE 5 TO AUGUST 7: 2 MONTHS

1. ESTABLISH ONE WAY NORTHBOUND TRAFFIC ALONG THE WEST SIDE OF MCCORMICK BOULEVARD AS SHOWN ON THE PLANS.
2. THE FOLLOWING OPERATIONS SHALL BE PERFORMED ALONG THE EAST SIDE OF MCCORMICK BOULEVARD:
   * REMOVE EXISTING PAVEMENT AND CURB & GUTTER.
   * UTILITY ADJUSTMENTS
   * CONSTRUCT STORM SEWER LATERALS AND STRUCTURES.
   * CONSTRUCT PCC BASE CSE, LEVELING BINDER CSE AND CURB & GUTTER.
3. PLACE TEMPORARY SEEDING ON THE EAST SIDE OF THE ROADWAY.
4. INSTALL TEMPORARY PAVEMENT MARKINGS.
5. OPEN ROADWAY TO TWO WAY TRAFFIC SOUTH OF BRIDGE STREET.

STAGE III - BRIDGE STREET TO GREEN BAY ROAD
JUNE 12 TO AUGUST 18: 2.0 MONTHS

1. INSTALL DETOUR ROUTE AND CLOSE MCCORMICK BOULEVARD TO TRAFFIC ON THE MONDAY FOLLOWING THE LAST DAY OF SCHOOL (JUNE 13)
2. THE FOLLOWING OPERATIONS SHALL BE PERFORMED ALONG THE EAST AND WEST SIDES OF MCCORMICK BOULEVARD:
   * REMOVE EXISTING PAVEMENT AND CURB & GUTTER.
   * UTILITY ADJUSTMENTS
   * CONSTRUCT STORM SEWER MAINLINE, LATERALS AND STRUCTURES.
   * CONSTRUCT PCC BASE CSE, LEVELLING BINDER CSE AND CURB & GUTTER.
3. CONSTRUCT EASTBOUND RIGHT TURN LANE ALONG GREEN BAY ROAD USING STANDARD 701602.
4. CONSTRUCT THE INTERSECTION OF PRAIRIE STREET AND MCCORMICK BLVD.
5. INSTALL PERMANENT TRAFFIC SIGNALS.

STAGE IV - EMERSON STREET TO GREEN BAY ROAD
AUGUST 18 TO OCTOBER 31: 2.5 MONTHS

1. CONSTRUCT BITUMINOUS SURFACE CSE
2. INSTALL PERMANENT PAVEMENT MARKINGS
3. OPEN ROADWAY TO TWO WAY TRAFFIC
4. INSTALL LIGHTING.
5. CONSTRUCT ECOLOGY-CENTER ENTRANCE
6. PLACE FINAL LANDSCAPING WHILE MAINTAINING TWO WAY TRAFFIC USING STANDARD 701502.
7. FINAL CLEANUP AND PUNCHLIST

WORK RESTRICTIONS

1. MCCORMICK BOULEVARD SHALL REMAIN OPEN TO TWO WAY TRAFFIC AT ALL TIMES BETWEEN BRIDGE STREET AND GREEN BAY ROAD. THE ROADWAY MAY BE FULLY CLOSED DURING SUMMER RECESS FOR THE SCHOOL DISTRICT 65 BETWEEN JUNE 12, 2006 AND AUGUST 18, 2006.
2. ALL WORK WITHIN LADD ARBORETUM MUST BE COMPLETED BY APRIL 30, 2006
3. ALL WORK SHALL BE COMPLETED BY OCTOBER 31, 2006.

GENERAL NOTES:

1. STAGING PROCEDURES PRESENTED ARE THE SUGGESTED SEQUENCE OF OPERATIONS. THE CONTRACTOR MAY SUBMIT AN ALTERNATIVE STAGING PROPOSAL TO THE ENGINEER FOR HIS APPROVAL. THE CONTRACTOR SHALL NOT BE ENTITLED TO ADDITIONAL COMPENSATION FOR HIS CHANGE IN STAGING.
2. THE CONTRACTOR SHALL MAINTAIN TWO WAY TRAFFIC ALONG BRIDGE STREET THROUGHOUT THE DURATION OF THE CONTRACT. BRIDGE STREET MAY BE REDUCED TO ONE LANE DURING SUBSTAGING OPERATIONS FOR A PERIOD OF 3 DAYS AT THE BEGINING OF STAGE III. INGRESS AND EGRESS TO DRIVEWAYS AND SIDE STREETS SHALL BE MAINTAINED AS SHOWN ON THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. THE CONTRACTOR SHALL MAINTAIN TRAFFIC IN ACCORDANCE WITH THE SPECIAL PROVISIONS, STATE STANDARDS, STANDARD SPECIFICATIONS, AND AS DIRECTED BY THE ENGINEER.
4. THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY CHANGE IN CONSTRUCTION STAGING.
5. CONSTRUCTION SHALL BE RESTRICTED TO BETWEEN 7:00 A.M. AND 7:00 P.M., MONDAY THROUGH SATURDAY. THE CLOSURE OF ONE THROUGH TRAFFIC LANE FOR ANY REASON DIFFERENT THAN WHAT IS SHOWN ON THE SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL PLANS SHALL BE RESTRICTED TO THE WEEKDAY HOURS OF 9:00 A.M. TO 3:30 P.M. ANY VIOLATION OF THESE REQUIREMENTS SHALL BE CONSIDERED A TRAFFIC CONTROL DEFICIENCY, ACCORDING TO THE SPECIAL PROVISIONS.
6. THE CONTRACTOR SHALL BE REQUIRED TO REMOVE ALL EXISTING PAVEMENT MARKINGS WHICH CONFLICT WITH THE DESIGNATED TRAFFIC CONTROL PLAN. THIS WORK SHALL BE PAID FOR AS PAVEMENT MARKING REMOVAL OR WORK ZONE PAVEMENT MARKING REMOVAL.
7. ALL TEMPORARY PAVEMENT MARKINGS SHOWING DETERIORATION SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL ONLY BE PAID FOR THE FIRST TWO APPLICATIONS OF TEMPORARY PAVEMENT MARKINGS AND NOT FOR REPLACEMENT OF ANY MARKINGS REQUIRED WITHIN THE FIRST SEVEN DAYS AFTER PLACEMENT. ALL MARKINGS REQUIRING REPLACEMENT AFTER THE SECOND PLACEMENT SHALL BE REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.
8. THE FURNISHING, INSTALLING, AND RELOCATION OF ALL TRAFFIC SIGNS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION. ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION.
9. ACCESS TO ALL RESIDENTS AND BUSINESSES MUST BE MAINTAINED AT ALL TIMES. DRIVEWAY CONSTRUCTION WORK SHALL BE STAGED TO ALLOW ACCESS. ENTRANCE SIGNS SHOWN IN THE PLANS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION.
10. ALL UNBALLASTED TYPE I AND II BARRICADES SHALL HAVE TWO (2) SANDBAGS ON THE BOTTOM RAIL. ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR (4) SANDBAGS PER BARRICADE.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING DRAINAGE OF THE ROADWAY DURING ALL STAGES OF CONSTRUCTION. THIS INCLUDES ADJUSTING THE EXISTING DRAINAGE STRUCTURE FRAMES DURING STAGE I LOCATED ALONG THE EAST EDGE OF PAVEMENT. A QUANTITY OF 6 INLETS AND 200 FT OF 12 INCH STORM SEWER HAVE BEEN PROVIDED FOR TEMPORARY USE. CERTAIN EXISTING DRAINAGE STRUCTURES, AS NOTED ON THE TRAFFIC CONTROL SHEETS, WILL ALSO REQUIRE MODIFICATIONS TO BE USED FOR TEMPORARY DRAINAGE. REMOVAL OF THESE ITEMS, AS NECESSARY, WILL BE CONSIDERED INCLUDED IN THE COST OF INSTALLATION. THE CONTRACTOR MAY SALVAGE ALL OF THESE REMOVED TEMPORARY ITEMS AND, WITH APPROVAL OF THE ENGINEER, THEY MAY BE USED ELSEWHERE ON THE PROJECT.
12. "WORKERS" (W21-1A) SIGNS SHALL ONLY BE ERECTED WHEN WORKERS WILL BE PRESENT.
13. CONTRACTOR SHALL NOTE THAT THE SOUTH BOUND McCORMICK BOULEVARD LEFT TURN AND THROUGH LANES WILL BE CLOSED AT EMERSON STREET THROUGHOUT CONSTRUCTION. LEFT TURN AND THROUGH INDICATIONS SHALL BE DISCONNECTED AND BAGGED DURING CONSTRUCTION. THE CONTRACTOR IS REQUIRED TO ASSUME MAINTENANCE OF THE EXISTING SIGNAL INSTALLATION DURING CONSTRUCTION WHICH SHALL BE PAID FOR AS "MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION".
14. CONTRACTOR SHALL ASSUME MAINTENANCE OF EXISITING TRAFFIC SIGNAL INSTALLATION AT THE McCORMICK BOULEVARD INTERSECTION WITH GOLF ROAD AND BRIDGE STREET DURING CONSTRUCTION AND SHALL BE PAID FOR AS "MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION."
15. THE CONTRACTOR SHALL USE EXTREME CAUTION WHILE EXCAVATING ALONG THE NORTH APPROACH OF THE GOLF ROAD INTERSECTION TO ENSURE THAT THE EXISTING TRAFFIC SIGNAL CONDUIT IS MAINTAINED AT ALL TIMES.
16. UTILIZING TEMPORARY ACCESS (COMMERCIAL), TRAFFIC SHALL BE MAINTAINED TO THE BANK ONE EXIT AT ALL TIMES.
17. THE USE OF A PORTABLE ROCK CRUSHER TO RECYCLE EXISTING PAVEMENT INTO AGGREGATE SUBGRADE SHALL BE RESTRICTED TO BETWEEN 9:00 A.M. AND 4:00 P.M., MONDAY THROUGH FRIDAY. THIS OPERATION WILL BE RESTRICTED TO THE ABANDONED SECTION OF GRANT AVENUE BETWEEN MCCORMICK BOULEVARD AND GREEN BAY ROAD. ONLY MATERIAL RECOVERED FROM THE PROJECT MAY BE RECYCLED. THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN ADEQUATE DUST CONTROL.

typ.mot+sht

TRANSYSTEMS CORPORATION
1701 PERIMETER DRIVE
SUITE 1025
SCHAUMBURG, IL 60173

REVISIONS	
NAME	DATE
CEC/PAS	5/23/05
CEC/PAS	12/02/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUGGESTED CONSTRUCTION PROCEDURE AND MAINTENANCE OF TRAFFIC TYPICAL SECTIONS AND NOTES

McCORMICK BOULEVARD

DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

SCALE : NONE

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	14
STA 14+00	TO STA 41+00			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

GOLF ROAD

SEE NOTE 13 SHEET 13

ROAD CLOSED
R11-2
3030

DO NOT ENTER
R5-1
3030

TEMPORARY ACCESS (COMMERCIAL)
(SEE NOTE 16 SHEET 13)

TEMPORARY PAVEMENT MARKING TAPE, TYPE III
4" WHITE EDGE LINE

END CONSTRUCTION
G20-2 (O)-2115

EXISTING PAVEMENT MARKINGS TO REMAIN

McCORMICK BOULEVARD

10+00

+65

+35

200'

200'

200'

245'
LANE DROP

+00

+50

R=50'

EMERSON STREET

PROJECT BEGINS
STATION 14+00

WRONG WAY
R5-1a
3624

WORK ZONE
BLACK/ORANGE
24x36

SPEED LIMIT
30
R2-1
2430

DRIVEWAY ENTRANCE
30"x48"
(TYP)

8"
6" (MIN)

CONST WORK ZONE

TEMPORARY PAVEMENT MARKING PAINT
4" YELLOW EDGE LINE

℄ CONST

15+00

15.5'

12'

20+00

22'

MATCH LINE STATION 23+00
SEE BELOW LEFT

W4-2L (O)-48

30
M.P.H.

W13-1 (O)-24

W20-1 (O)-48
ROAD CONSTRUCTION AHEAD

W20-5L (O)-48
LEFT LANE CLOSED AHEAD

W21-1a(O)-48

WRONG WAY
R5-1a
3624

DRIVEWAY ENTRANCE
30"x48"

WORK ZONE
BLACK/ORANGE
24x36

SPEED LIMIT
30
R2-1
2430

CONST WORK ZONE

WRONG WAY
R5-1a
3624

SEE AABOVE RIGHT
MATCH LINE STATION 23+00

25+00

12'

℄ CONST

30+00

35+00

12'

MATCH LINE STATION 36+00
SEE BELOW LEFT

R3-1-24

EX 12" SS

MAINTAIN EXIST 12 INCH
STORM SEWER WITH TEMPORARY
CONNECTION TO MANHOLE DURING STAGE 1

TEMPORARY PAVEMENT MARKING PAINT
4" YELLOW EDGE LINE

+00

TEMPORARY PAVEMENT MARKING PAINT

EXISTING PAVEMENT MARKINGS TO REMAIN

R3-1-24

BRIDGE STREET

R3-8-3030

ROAD CONSTRUCTION AHEAD
W20-1 (O)-48

CONST WORK ZONE

TEMPORARY PAVEMENT MARKING PAINT
24" SOLID WHITE (TYP)

TEMPORARY PAVEMENT MARKING PAINT
6" SOLID WHITE

+/- 350'

ROAD CLOSED AHEAD
W20-3 (O)-48

EXISTING PAVEMENT MARKING
TO REMAIN

SEE AABOVE RIGHT
MATCH LINE STATION 36+00

℄ CONST

12'

R=25'

+65

40+00

+65

℄ CONST

45+00

McCORMICK BOULEVARD

+/- 500'

200' (TYP)

W6-3 (O)-48

TEMPORARY PAVEMENT MARKING PAINT
4" YELLOW EDGE LINE

ROAD CLOSED
R11-2

R4-1-24

ROAD CONSTRUCTION AHEAD
W20-1 (O)-48

TEMPORARY PAVEMENT MARKING PAINT
LETTERS AND SYMBOLS (TYP)

TEMPORARY PAVEMENT MARKING PAINT
4" WHITE SKIP-DASH (30' SPACE, 10' LINE)

TEMPORARY PAVEMENT MARKING PAINT
4" DBL YELLOW @ 11" C-C

END CONSTRUCTION
G20-2 (O)-2460

BRIDGE STREET

TEMPORARY ACCESS

NOTE:
FOR NOTES AND LEGEND
SEE SHEET NO. 13

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STAGE 1

McCORMICK BOULEVARD
EMERSON STREET TO BRIDGE STREET

0 25' 50' HORIZ
0 5' VERT

DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

TRANSYSTEMS CORPORATION
9251 FERMETER DRIVE
SUITE 1000
SCHAUMBURG, IL 60173

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	15
STA	14+00	TO STA 41+00		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

GOLF ROAD

ROAD CONSTRUCTION AHEAD W20-1 (O)-48

M6-4(O)-2115

TEMPORARY PAVEMENT MARKING TAPE, TYPE III 6" SOLID WHITE

EXISTING PAVEMENT MARKINGS TO REMAIN

TEMPORARY PAVEMENT MARKING TAPE, TYPE III 4" WHITE EDGE LINE

REMOVE CONFLICTING PAVEMENT MARKINGS WITHIN LANE DROP

McCORMICK BOULEVARD

10+00

245' LANE DROP

120' RIGHT TURN TAPER

ROAD CONSTRUCTION AHEAD W20-1 (O)-48

RIGHT LANE CLOSED AHEAD W20-5R (O)-48

W21-1a(O)-48

W4-2R (O)-48

30 M.P.H. W13-1 (O)-2424

ONLY R3-5R 3036

PROJECT BEGINS STATION 14+00

EMERSON STREET

ROAD CLOSED R11-2 3030

DO NOT ENTER R5-1 3030

220' LANE SHIFT

+30 8' LT

TEMPORARY ACCESS (COMMERCIAL) (SEE NOTE 16 SHEET 13)

R=50'

R=30'

15+00

℄ CONST

TEMPORARY PAVEMENT MARKING TAPE, TYPE III LETTERS AND SYMBOLS (TYP)

ROAD CONSTRUCTION AHEAD W20-1 (O)-48

M6-4(O)-2115

TEMPORARY PAVEMENT

WI-4L (O)-48

R3-1-2424

SUBSTAGING IS REQUIRED TO CONSTRUCT THE INSIDE NB LANE BETWEEN STA 14+00 TO STA 16+25

DRIVEWAY ENTRANCE 30"x48"

TEMPORARY PAVEMENT MARKING TAPE 4" YELLOW EDGE LINE

CONST WORK ZONE

WORK ZONE BLACK/ORANGE 24x36

SPEED LIMIT 30 R2-1 2430

TEMPORARY PAVEMENT MARKING TAPE 4" WHITE EDGE LINE

20+00

8'-12'

MATCH LINE STATION 23+00 SEE BELOW LEFT

SEE AABOVE RIGHT MATCH LINE STATION 23+00

25+00

℄ CONST

30+00

35+00

MATCH LINE STATION 36+00 SEE BELOW LEFT

WRONG WAY R5-1a 3624

WI-4R (O)-48

R3-1-24

ROAD CONSTRUCTION AHEAD W20-1 (O)-48

ROAD CLOSED R11-2

SUBSTAGING AT THE BEGINING OF STAGE III IS REQUIRED TO CONSTRUCT EB AND WB THRU LANES OF BRIDGE STREET/GREY AVENUE TWO-WAY TRAFFIC MUST MAINTAINED ALONG BRIDGE STREET AT ALL TIME EXCEPT DURING SUBSTAGING.

BRIDGE STREET

TEMPORARY PAVEMENT MARKING TAPE, TYPE III 4" YELLOW EDGE LINE

TEMPORARY PAVEMENT MARKING TAPE, TYPE III 4" WHITE EDGE LINE

205' LANE SHIFT

20' LT

0' LT

TEMPORARY PAVEMENT

SEE AABOVE RIGHT MATCH LINE STATION 36+00

12'

℄ CONST

R3-1-2424

ONLY ONLY 3030

TEMPORARY PAVEMENT MARKING PAINT 6" SOLID WHITE

TEMPORARY PAVEMENT MARKING PAINT 4" WHITE SKIP-DASH (30' SPACE, 10' LINE)

+00

TEMPORARY PAVEMENT MARKING PAINT

EXISTING PAVEMENT MARKINGS TO REMAIN

ROAD CLOSED AHEAD W20-3 (O)-48

EXISTING PAVEMENT

+65

+65

R=30'

R=40'

40+00

℄ CONST

45+00

McCORMICK BOULEVARD

TEMPORARY PAVEMENT MARKING PAINT 4" DBL YELLOW @ 11" C-C

TEMPORARY PAVEMENT MARKING PAINT LETTERS AND SYMBOLS (TYP)

SUBSTAGING AT THE BEGINNING OF STAGE III IS REQUIRED TO CONSTRUCT 0' TO 20' RT BETWEEN STA 36+50 TO STA 39+25

TEMPORARY PAVEMENT MARKING PAINT 24" SOLID WHITE (TYP)

R4-1-2424

'S-3 (O)-48

CONST WORK ZONE

BRIDGE STREET

ROAD CONSTRUCTION AHEAD W20-1 (O)-48

END CONSTRUCTION G20-2 (O)-2460

DRIVEWAY ENTRANCE 30"x48"

CONST WORK ZONE

TEMPORARY PAVEMENT

WORK ZONE BLACK/ORANGE 24x36

SPEED LIMIT 30 R2-1 2430

TEMPORARY PAVEMENT MARKING TAPE, TYPE III 4" WHITE EDGE LINE

WRONG WAY R5-1a 3624

WI-4R (O)-48

TEMPORARY ACCESS

NOTE:

FOR NOTES AND LEGEND SEE SHEET NO. 13

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL STAGE 2

McCORMICK BOULEVARD

EMERSON STREET TO BRIDGE STREET

0 25' 50' HORIZ

0 5' VERT

DATE 9/03/04

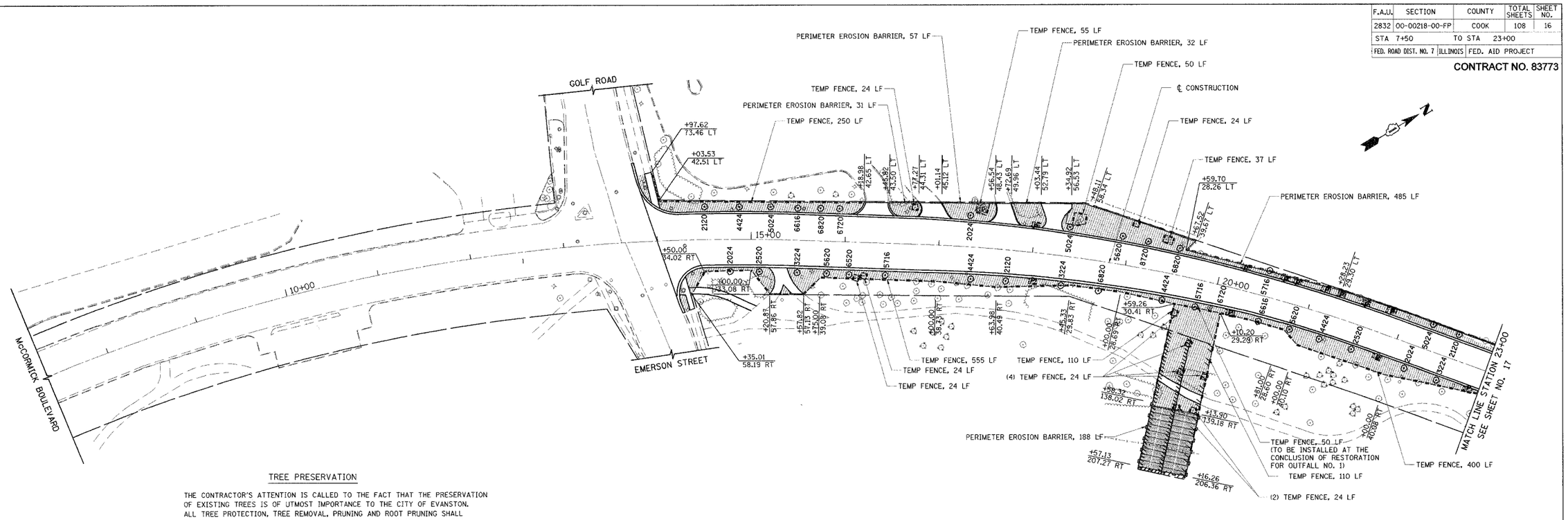
DRAWN BY GEW

CHECKED BY PAS

TRANSYSTEMS CORPORATION
1031 MERCHETER DRIVE SUITE 400 SCHAUMBURG, IL 60173

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	16
STA 7+50		TO STA 23+00		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



TREE PRESERVATION

THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF UTMOST IMPORTANCE TO THE CITY OF EVANSTON. ALL TREE PROTECTION, TREE REMOVAL, PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.

THE PROPOSED LOCATION OF TREES DEPICTED IN THE LANDSCAPING PLAN IS PRELIMINARY. THE FINAL LOCATION OF ALL TREE PLANTINGS MUST BE COORDINATED WITH AND APPROVED BY THE CITY OF EVANSTON BEFORE ANY MATERIALS ARE ORDERED OR BEFORE ANY TREES ARE PLANTED. ALL TREES SHALL BE PLANTED A MINIMUM DISTANCE OF FOUR (4) FEET FROM THE FACE OF CURB. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR REVISIONS TO THE PROPOSED LOCATIONS OF THE TREES.

THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OR TRUNKS. HAND EXCAVATION SHALL BE PERFORMED IF MAJOR ROOTS ARE PRESENT. MAJOR ROOTS OF A TREE THAT ARE TO REMAIN IN PLACE EXTENDING INTO THE EXCAVATION AREA AT AN ELEVATION THAT WOULD INTERFERE WITH ANY PORTION OF THE PLANNED CONSTRUCTION SHALL BE SEVERED AT A POINT IMMEDIATELY OUTSIDE OF THE EXCAVATION AREA IN A MANNER THAT WILL CAUSE THE LEAST AMOUNT OF SYSTEMIC TO THE REMAINING TREE STRUCTURE. THE EXPENSE OF ANY REQUIRED HAND EXCAVATION AND/OR THE CUTTING OF MAJOR TREE ROOTS, AS DESCRIBED ABOVE, SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT LINE ITEM BEING REMOVED OR INSTALLED AT THAT LOCATION.

TREE LEGEND

IDOT CODE	TREE CODE	SCIENTIFIC NAME	COMMON NAME	SIZE/ROOT
A2002024	2024	AESCULUS GLABRA	OHIO BUCKEYE	3" CALIPER/B&B
A2002120	2120	AESCULUS HIPPOCASTANUM	COMMON HORSECHESTNUT	2½" CALIPER/B&B
A2002520	2520	CARPINUS CAROLINIANA	AMERICAN HORNBEAM	2½" CALIPER/B&B
A2003224	3224	CORYLUS COLURNA	TURKISH FILBERT	3" CALIPER/B&B
A2004424	4424	GINKO BILOBA	GINKGO	3" CALIPER/B&B
A2005024	5024	GYMNOCLADUS DIOICUS	KENTUCKYCOFFEETREE	3" CALIPER/B&B
A2005620	5620	OSTRYA VIRGINIANA	AMERICAN HOPHORNBEAM	2½" CALIPER/B&B
A2005716	5716	PHELLODENDRON AMURENSE	AMUR CORKTREE	2" CALIPER/B&B
A2006520	6520	QUERCUS BICOLOR	SWAMP WHITE OAK	2½" CALIPER /B&B
A2006616	6616	QUERCUS IMBRICARIA	SHINNGLE OAK	2" CALIPER/B&B
A2006720	6720	QUERCUS MACROCARPA	BUR OAK	2½" CALIPER /B&B
A2006820	6820	QUERCUS MUEHLENGERGII	CHINNKAPIN OAK	2½" CALIPER/B&B
A2018720	8720	ULMUS CARPINIFOLIA "MORTON"	ACCOLADE ELM	2½" CALIPER /B&B
A2007628	7628	TAXODIUM DISTICHUM	COMMON BALD CYPRESS	3½" CALIPER/B&B
A2006070	6070	SYRINGA PEKINENSIS	PEKING LILAC	8' HT CLUMP/B&B
A2010066	0066	CHIONANTHUS VIRGINICUS	WHITE FRINGETREE	6' HT CLUMP/B&B
A2002166	2166	AESCULUS PAVIA	RED BUCKEYE	6' HT CLUMP/B&B
A2005520	5520	NYSSA SYLVATICA	BLACK TUPELO	2½" CALIPER/B&B

PERENNIAL PLANTS, PRAIRIE TYPE (MATERIAL ONLY)

IDOT CODE	QUANTITY (1 UNIT = 100 PLUGS)	SCIENTIFIC NAME	COMMON NAME	LOCATION
K1004469	2 UNITS	ANDROPOGON GERNADI	BIG BLUE STEM	20+00, 140'-200' RT
K1004469	2 UNITS	SORGHASTRUM NOTONS	INDIAN GRASS	20+00, 140'-200' RT
K1004469	2 UNITS	PANICUM VIRGATUM	SWITCH GRASS	20+00, 140'-200' RT

LANDSCAPING LEGEND

SOD- SALT TOLERANT
TOPSOIL FURNISH AND PLACE, 4"
NITROGEN, PHOSPHORUS, AND POTASSIUM FERTILIZER

SEEDING - CLASS 4 NATIVE GRASS
EROSION CONTROL BLANKET
COMPOST FURNISH AND PLACE, 4"

EROSION CONTROL LEGEND

PERIMETER EROSION BARRIER

TEMPORARY FENCE

P TREE TRUNK PROTECTION, PRUNING, AND ROOT PRUNING

REVISIONS	
NAME	DATE
CEC/PAS	5/23/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

LANDSCAPING AND EROSION CONTROL

McCORMICK BOULEVARD

STATION 7+50 TO STATION 23+00

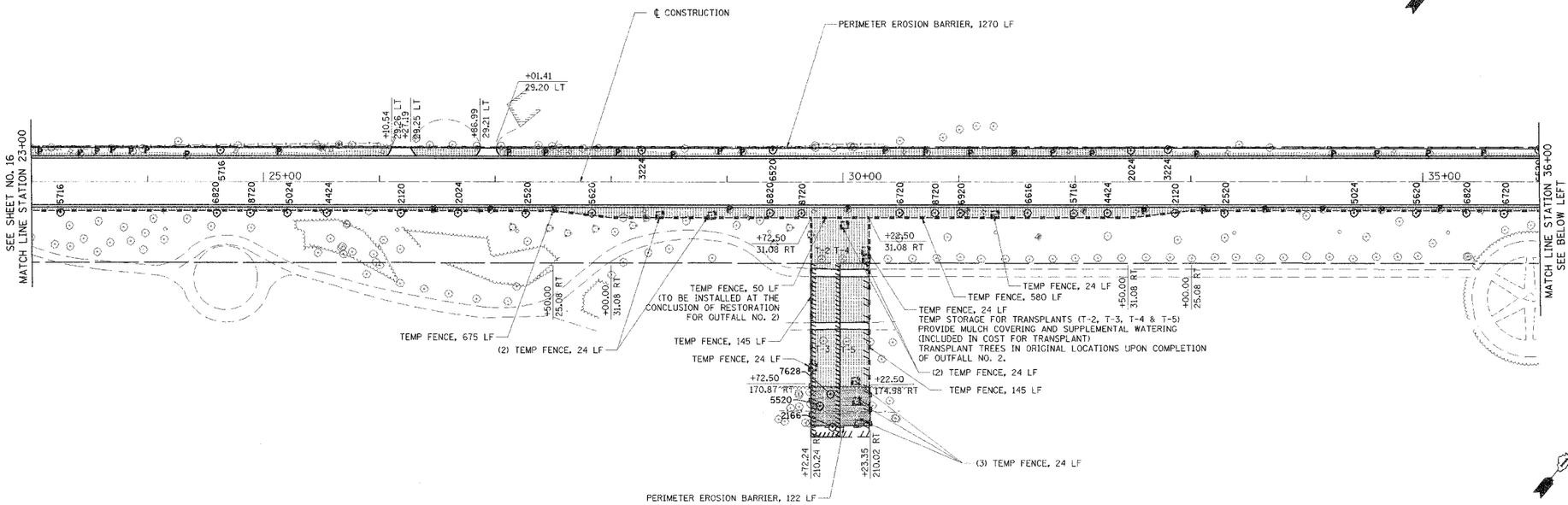
0 25' 50' HORIZ
0 1"=50' 5' VERT

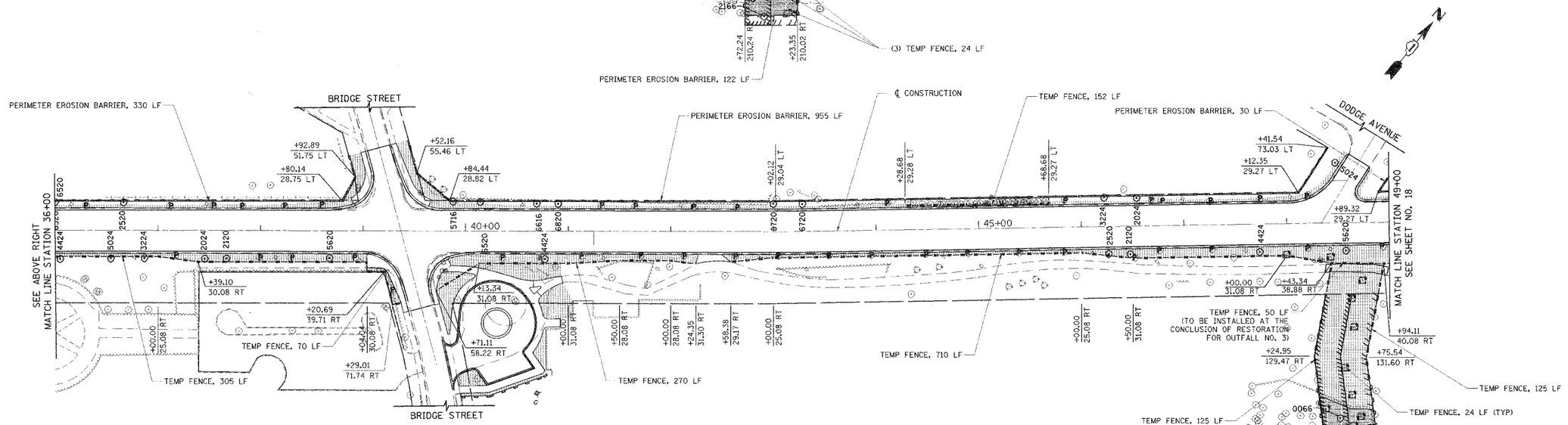
DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

TRANSYSTEMS CORPORATION
1051 PERIMETER DRIVE
SUITE 150
SCHAUMBURG, IL 60173

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	17
STA 23+00		TO STA 49+00		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773





TREE LEGEND

IDOT CODE	TREE CODE	SCIENTIFIC NAME	COMMON NAME	SIZE/ROOT
A2002024	2024	AESCULUS GLABRA	OHIO BUCKEYE	3" CALIPER/B&B
A2002120	2120	AESCULUS HIPPOCASTANUM	COMMON HORSECHESTNUT	2½" CALIPER/B&B
A2002520	2520	CARPINUS CAROLINIANA	AMERICAN HORNBEAM	2½" CALIPER/B&B
A2003224	3224	CORYLUS COLURNA	TURKISH FILBERT	3" CALIPER/B&B
A2004424	4424	GINKO BILOBA	GINKGO	3" CALIPER/B&B
A2005024	5024	GYMNOCLADUS DIOICUS	KENTUCKYCOFFEETREE	3" CALIPER/B&B
A2005620	5620	OSTRYA VIRGINIANA	AMERICAN HOPHORNBEAM	2½" CALIPER/B&B
A2005716	5716	PHELLODENDRON AMURENSE	AMUR CORKTREE	2" CALIPER/B&B
A2006520	6520	QUERCUS BICOLOR	SWAMP WHITE OAK	2½" CALIPER /B&B
A2006616	6616	QUERCUS IMBRICARIA	SHINNGLE OAK	2" CALIPER/B&B
A2006720	6720	QUERCUS MACROCARPA	BUR OAK	2½" CALIPER /B&B

TREE LEGEND

IDOT CODE	TREE CODE	SCIENTIFIC NAME	COMMON NAME	SIZE/ROOT
A2006820	6820	QUERCUS MUEHLENGERGII	CHINNKAPIN OAK	2½" CALIPER/B&B
A2018720	8720	ULMUS CARPINIFOLIA "MORTON"	ACCOLADE ELM	2½" CALIPER /B&B
A2007628	7628	TAXODIUM DISTICHUM	COMMON BALD CYPRESS	3½" CALIPER/B&B
A2006070	6070	SYRINGA PEKINENSIS	PEKING LILAC	8' HT CLUMP/B&B
A2010066	0066	CHIONANTHUS VIRGINICUS	WHITE FRINGETREE	6' HT CLUMP/B&B
A2002166	2166	AESCULUS PAVIA	RED BUCKEYE	6' HT CLUMP/B&B
A2005520	5520	NYSSA SYLVATICA	BLACK TUPELO	2½" CALIPER/B&B

NOTE:
SEE SHEET NO. 16 FOR NOTES AND LEGEND

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

LANDSCAPING AND EROSION CONTROL

McCORMICK BOULEVARD
STATION 23+00 TO STATION 49+00

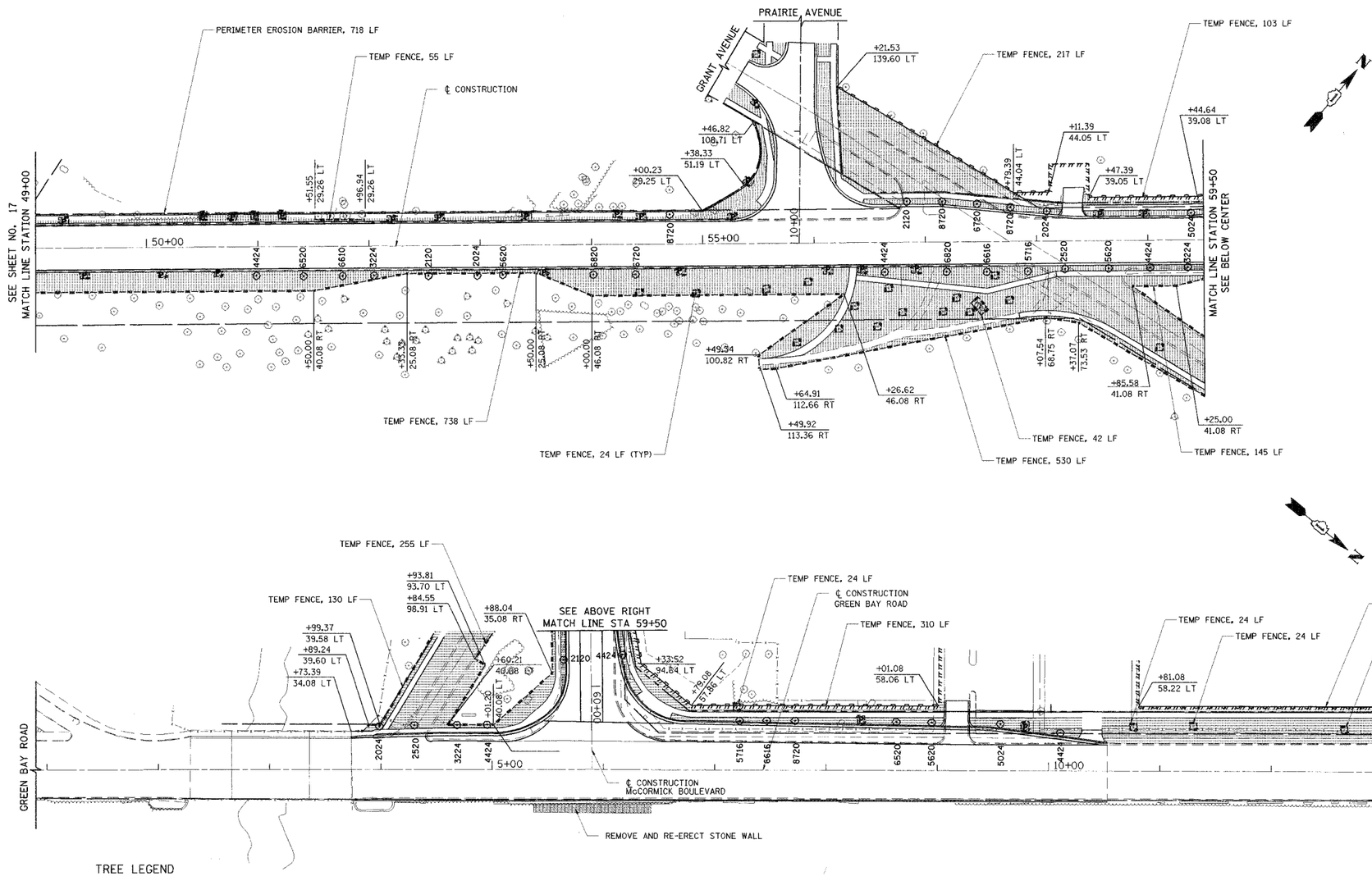
0 25' 50'
1"=50'

DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

TRANSYSTEMS CORPORATION
900 FORESTER DRIVE
SUITE 500
SCHAUMBURG, IL 60173

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	18
STA 49+00		TO STA 60+75		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



TREE LEGEND

IDOT CODE	TREE CODE	SCIENTIFIC NAME	COMMON NAME	SIZE/ROOT
A2002024	2024	AESCULUS GLABRA	OHIO BUCKEYE	3" CALIPER/B&B
A2002120	2120	AESCULUS HIPPOCASTANUM	COMMON HORSECHESTNUT	2½" CALIPER/B&B
A2002520	2520	CARPINUS CAROLINIANA	AMERICAN HORNBEAM	2½" CALIPER/B&B
A2003224	3224	CORYLUS COLURNA	TURKISH FILBERT	3" CALIPER/B&B
A2004424	4424	GINKO BILOBA	GINKGO	3" CALIPER/B&B
A2005024	5024	GYMNOCLADUS DIOICUS	KENTUCKYCOFFEETREE	3" CALIPER/B&B
A2005620	5620	OSTRYA VIRGINIANA	AMERICAN HOPHORNBEAM	2½" CALIPER/B&B
A2005716	5716	PHELLODENDRON AMURENSE	AMUR CORKTREE	2" CALIPER/B&B
A2006520	6520	QUERCUS BICOLOR	SWAMP WHITE OAK	2½" CALIPER /B&B
A2006616	6616	QUERCUS IMBRICARIA	SHINNGLE OAK	2" CALIPER/B&B
A2006720	6720	QUERCUS MACROCARPA	BUR OAK	2½" CALIPER /B&B
A2006820	6820	QUERCUS MUEHLENGERGII	CHINNKAPIN OAK	2½" CALIPER/B&B
A2018720	8720	ULMUS CARPINIFOLIA "MORTON"	ACCOLADE ELM	2½" CALIPER /B&B
A2007628	7628	TAXODIUM DISTICHUM	COMMON BALD CYPRESS	3½" CALIPER/B&B
A2006070	6070	SYRINGA PEKINENSIS	PEKING LILAC	8' HT CLUMP/B&B
A2010066	0066	CHIONANTHUS VIRGINICUS	WHITE FRINGETREE	6' HT CLUMP/B&B
A2002166	2166	AESCULUS PAVIA	RED BUCKEYE	6' HT CLUMP/B&B
A2005520	5520	NYSSA SYLVATICA	BLACK TUPELO	2½" CALIPER/B&B

NOTE:
SEE SHEET NO. 16 FOR NOTES AND LEGEND

REVISIONS	
NAME	DATE
CEC/PAS	5/23/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

LANDSCAPING AND EROSION CONTROL

McCORMICK BOULEVARD
STATION 49+00 TO STATION 60+75
AND GREEN BAY ROAD

0 25' 50'
1"=50'

DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

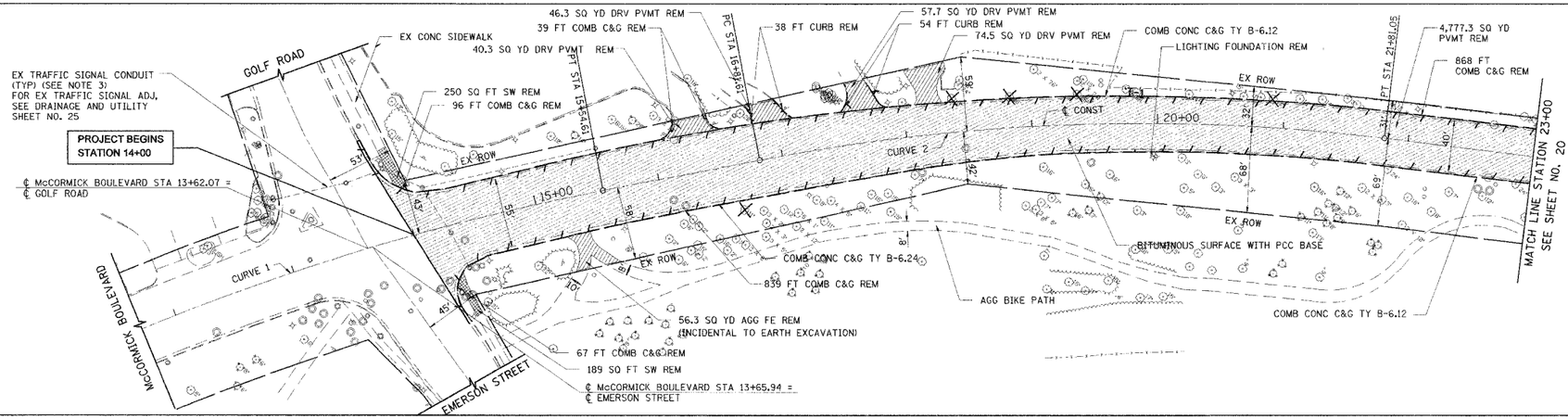
TRANSYSTEMS CORPORATION
1001 PERIMETER DRIVE
SUITE 305
SCHAUMBURG, IL 60173

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	19
STA 14+00		TO STA 23+00		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

EXIST. CURVE 1
PI STA. = 9+75.19
Δ = 35° 47′ 35″ (RT)
D = 2° 59′ 03″
R = 1,920.00′
T = 620.02′
L = 1,199.44′
E = 97.63′
e = 2.70%
T.R. = NA
S.E. RUN = 90′
P.C. STA. = 3+55.17
P.T. STA. = 15+54.61

EXIST. CURVE 2
PI STA. = 19+33.38
Δ = 17° 53′ 06″ (RT)
D = 3° 34′ 52″
R = 1,600.00′
T = 251.77′
L = 499.44′
E = 19.69′
e = 2.90%
T.R. = 65′
S.E. RUN = 90′
P.C. STA. = 16+81.61
P.T. STA. = 21+81.05



NOTES:
1. FOR LEGEND SEE SHEET NO.24
2. FOR INTERSECTION DETAILS SEE SHEET NO. 33
3. CONTRACTOR SHALL ASSUME MAINTENANCE OF THE EXISTING TRAFFIC SIGNAL INSTALLATION AT THE GOLF ROAD INTERSECTION. THE CONTRACTOR SHALL USE EXTREME CAUTION WHILE EXCAVATING ALONG THE NORTH APPROACH OF THE INTERSECTION TO ENSURE THAT THE EXISTING TRAFFIC SIGNAL CONDUIT IS MAINTAINED AT ALL TIMES.
4. FOR PROPOSED SOUTHBOUND THROUGH AND LEFT TURN LANE DETECTOR LOOP LOCATIONS AND DETAILS SEE PAVEMENT MARKING, AND SIGNING SHEET NO. 35

EXISTING

EOP CURVE A
P.I. STA. = 14+89.16 LT
Δ = 3° 54′ 22″
D = 2° 56′ 31″
R = 1947.50′
T = 66.41′
L = 132.77′
P.C. STA. = 14+23.71 LT
P.T. STA. = 15+54.61 LT

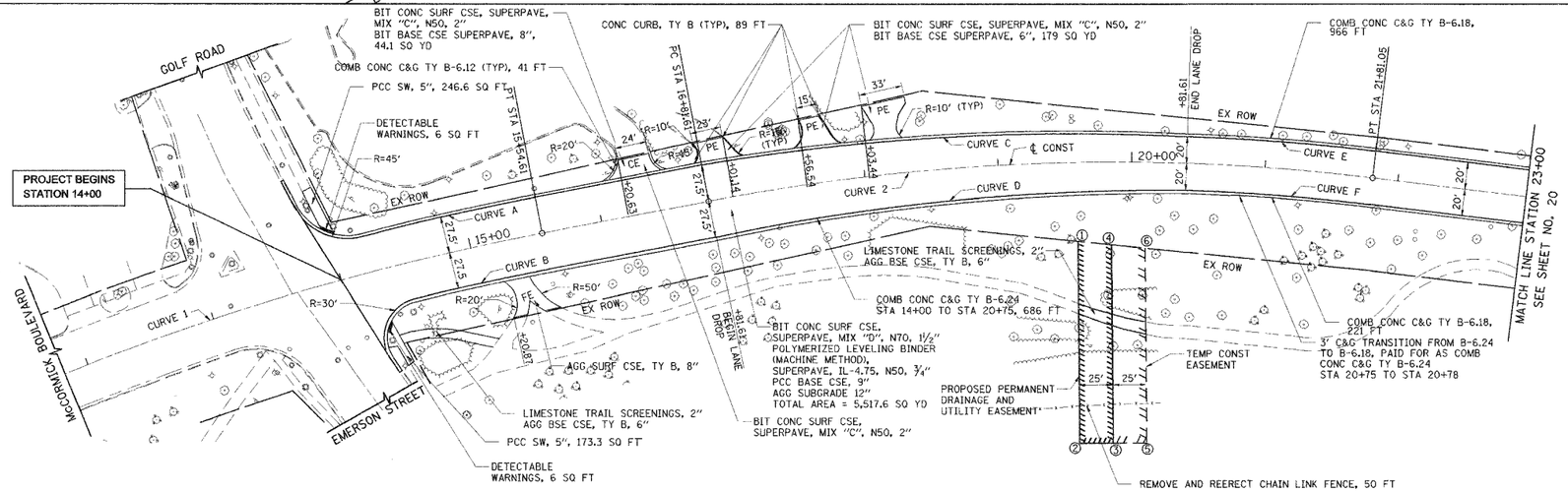
EOP CURVE B
P.I. STA. = 15+02.21 RT
Δ = 3° 07′ 40″
D = 3° 01′ 39″
R = 1892.50′
T = 51.67′
L = 103.31′
P.C. STA. = 14+49.80 RT
P.T. STA. = 15+54.61 RT

EOP CURVE C
P.I. STA. = 18+61.05 LT
Δ = 12° 38′ 49″
D = 3° 28′ 19″
R = 1650.25′
T = 182.87′
L = 364.26′
P.C. STA. = 16+81.61 LT
P.T. STA. = 20+40.49 LT

EOP CURVE D
P.I. STA. = 18+61.57 RT
Δ = 12° 41′ 15″
D = 3° 34′ 40″
R = 1601.44′
T = 178.04′
L = 354.62′
P.C. STA. = 16+81.61 RT
P.T. STA. = 20+41.52 RT

EOP CURVE E
P.I. STA. = 20+09.63 LT
Δ = 5° 12′ 41″
D = 3° 39′ 42″
R = 1564.70′
T = 71.21′
L = 142.32′
P.C. STA. = 20+40.49 LT
P.T. STA. = 21+81.05 LT

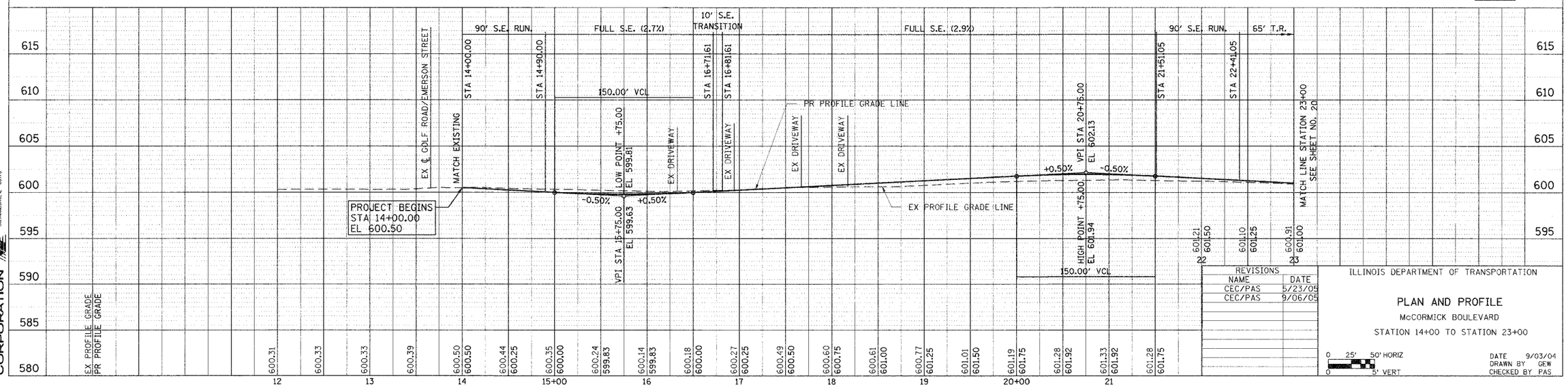
EOP CURVE F
P.I. STA. = 21+11.80 RT
Δ = 4° 55′ 24″
D = 3° 34′ 23″
R = 1603.50′
T = 68.94′
L = 137.79′
P.C. STA. = 20+41.52 RT
P.T. STA. = 21+81.05 RT



MWRD EASEMENT COORDINATES

	STATION	OFFSET	NORTHING	EASTING
1	19+59.02	59.02′ RT	1154183.36	1962738.62
2	19+57.61	210.39′ RT	1154279.75	1962621.90
3	19+86.39	210.49′ RT	1154299.09	1962637.75
4	19+85.00	61.79′ RT	1154204.39	1962752.40
5	20+15.18	210.15′ RT	1154318.43	1962653.59
6	20+11.07	64.16′ RT	1154225.43	1962766.18

PROPOSED



TRANSYSTEMS CORPORATION
801 PLAZIER DRIVE
SUITE 1025
SCHAUMBURG, IL 60173

REVISIONS	
NAME	DATE
CEC/PAS	5/23/05
CEC/PAS	9/06/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE

McCORMICK BOULEVARD

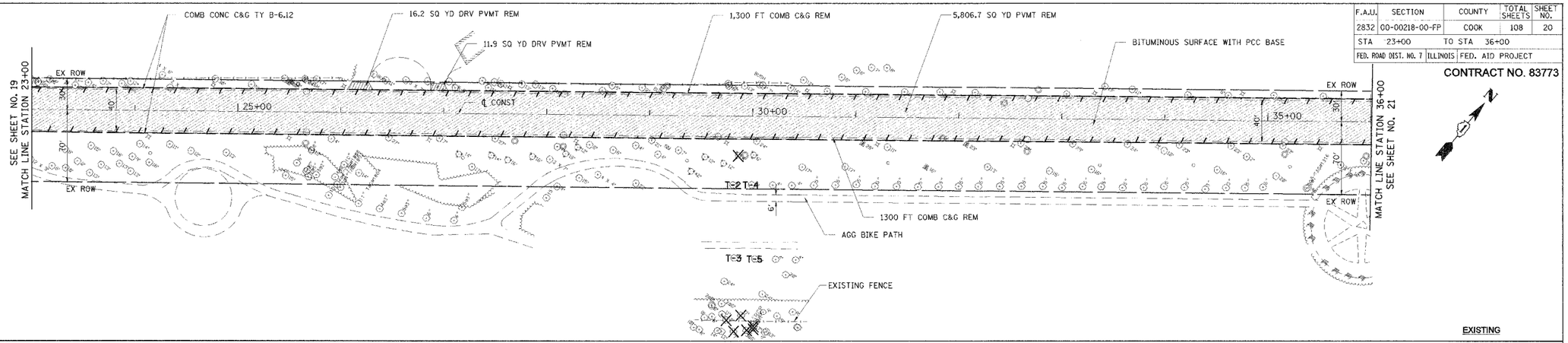
STATION 14+00 TO STATION 23+00

0 25′ 50′ HORIZ
0 5′ VERT

DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	20
STA 23+00		TO STA 36+00		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



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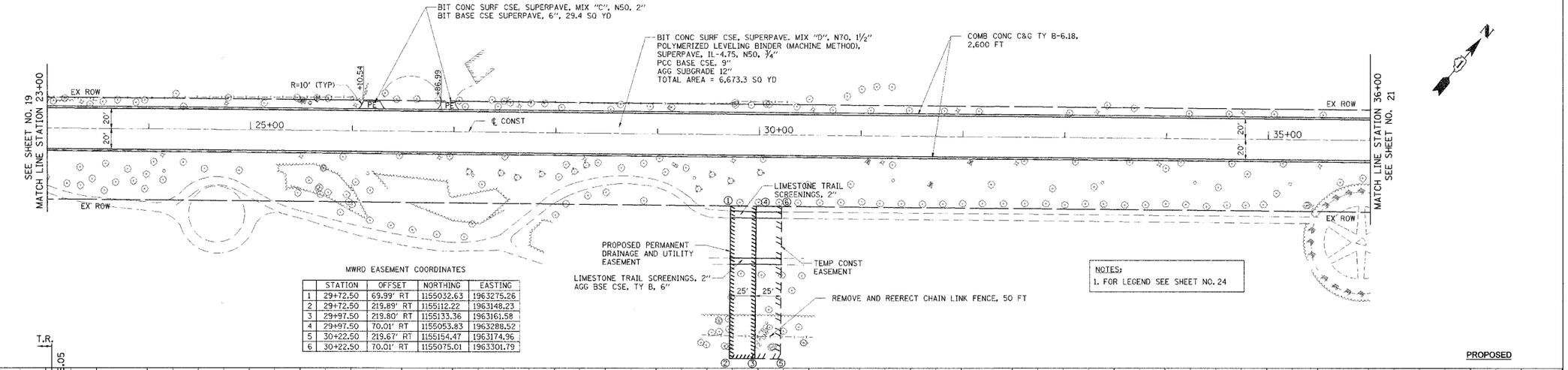
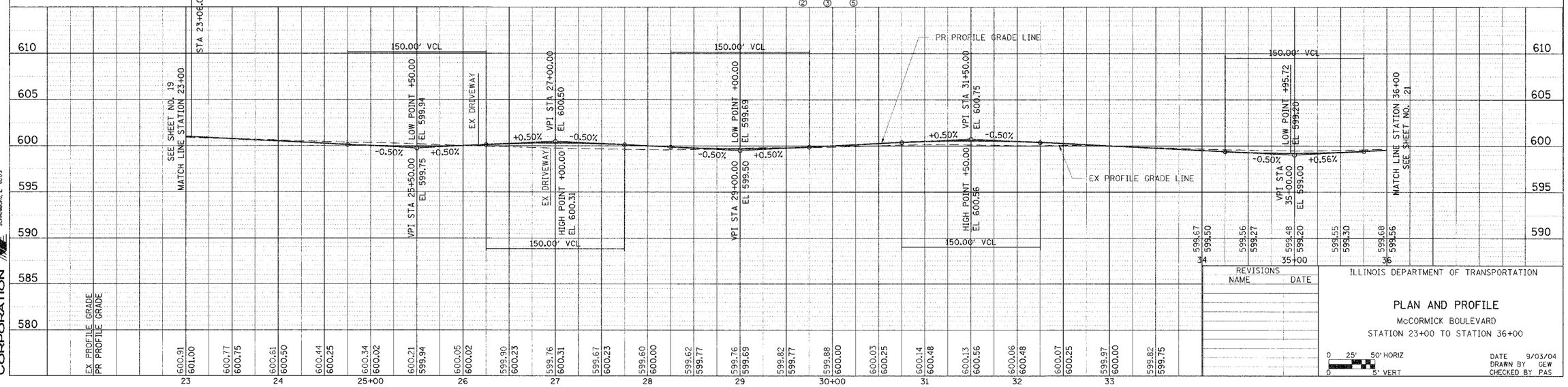


MWRD EASEMENT COORDINATES

	STATION	OFFSET	NORTHING	EASTING
1	29+72.50	69.99' RT	1155032.63	1963275.26
2	29+72.50	219.89' RT	1155112.22	1963148.23
3	29+97.50	219.80' RT	1155133.36	1963161.58
4	29+97.50	70.01' RT	1155053.83	1963288.52
5	30+22.50	219.67' RT	1155154.47	1963174.96
6	30+22.50	70.01' RT	1155075.01	1963301.79

NOTES:
1. FOR LEGEND SEE SHEET NO. 24

PROPOSED



TRANSYSTEMS CORPORATION
105 PERIMETER DRIVE
SUITE 103
SCHAUMBURG, IL 60173

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE

McCORMICK BOULEVARD

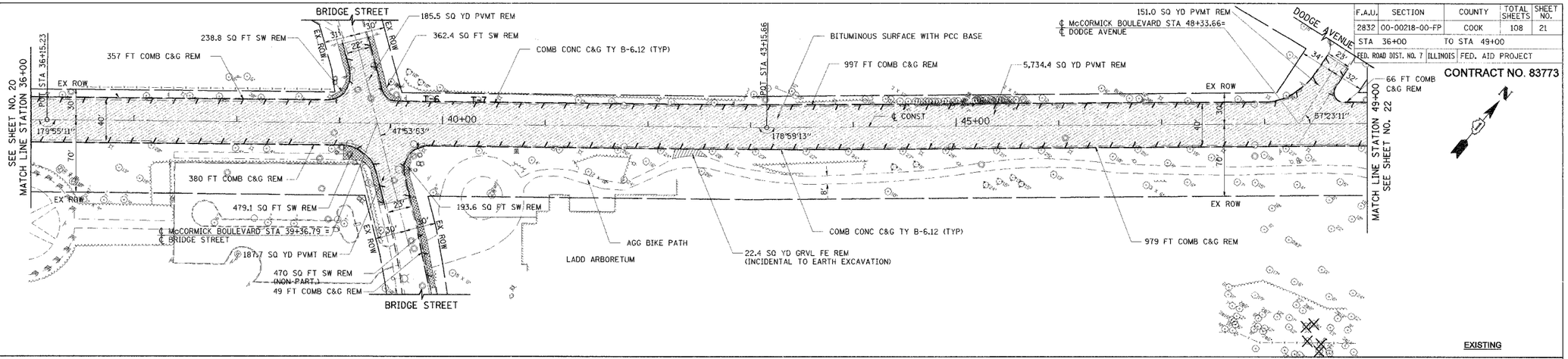
STATION 23+00 TO STATION 36+00

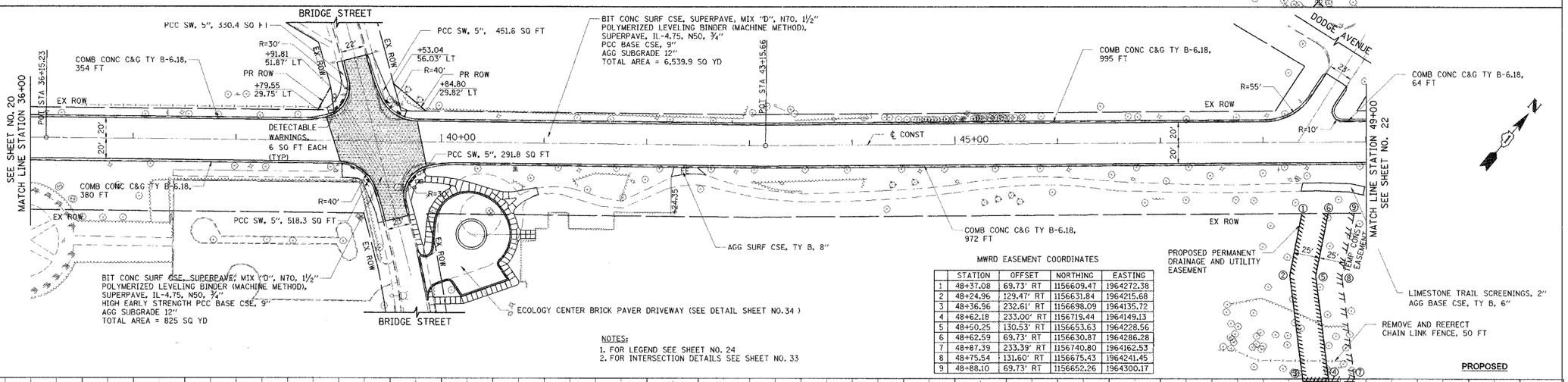
0 25' 50' HORIZ
0 5' VERT

DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	21
STA 36+00	TO STA 49+00			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

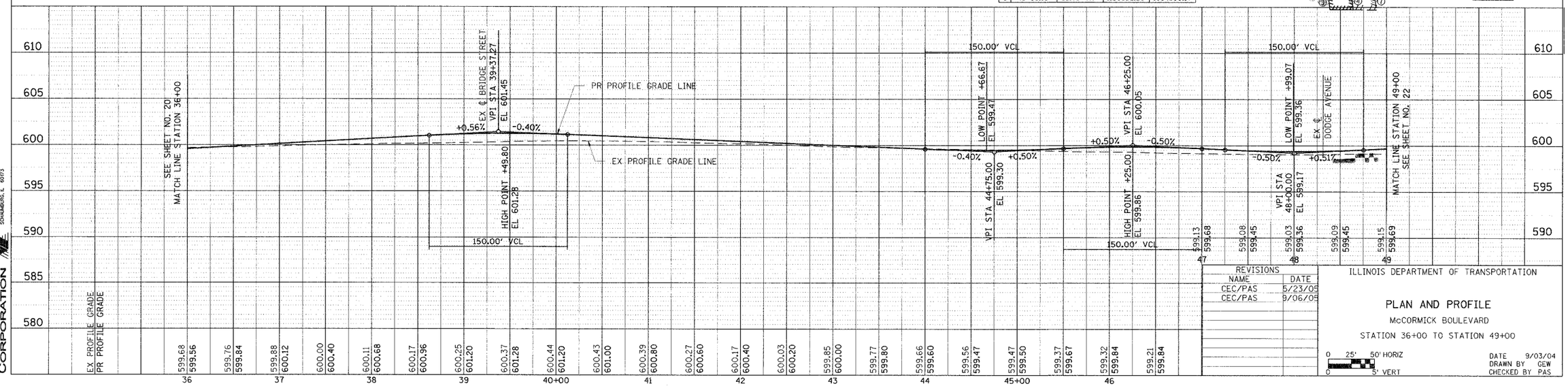




MWRD EASEMENT COORDINATES

	STATION	OFFSET	NORTHING	EASTING
1	48+37.08	69.73' RT	1156609.47	1964272.38
2	48+24.96	129.47' RT	1156631.84	1964215.68
3	48+36.96	232.61' RT	1156698.09	1964135.72
4	48+62.18	233.00' RT	1156719.44	1964149.13
5	48+50.25	130.53' RT	1156653.63	1964228.56
6	48+62.59	69.73' RT	1156630.87	1964286.28
7	48+87.39	233.39' RT	1156740.80	1964162.53
8	48+75.54	131.60' RT	1156675.43	1964241.45
9	48+88.10	69.73' RT	1156652.26	1964300.17

NOTES:
1. FOR LEGEND SEE SHEET NO. 24
2. FOR INTERSECTION DETAILS SEE SHEET NO. 33



TRANSYSTEMS CORPORATION
9511 PRINCETON DRIVE SUITE 1005 SCHAUMBURG, IL 60173

REVISIONS	
NAME	DATE
CEC/PAS	5/23/05
CEC/PAS	9/06/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE

McCORMICK BOULEVARD

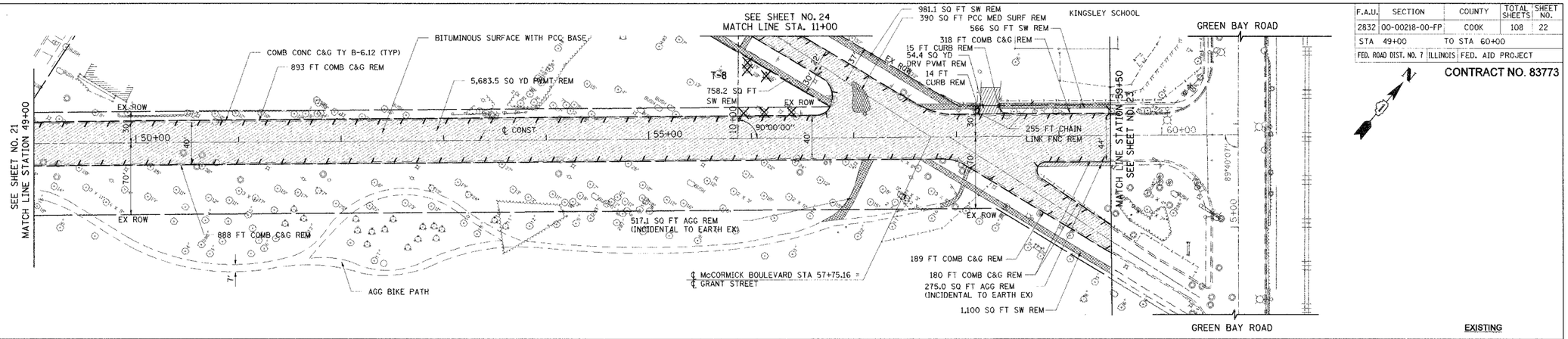
STATION 36+00 TO STATION 49+00

0 25' 50' HORIZ
0 5' VERT

DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	22
STA 49+00	TO STA 60+00			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



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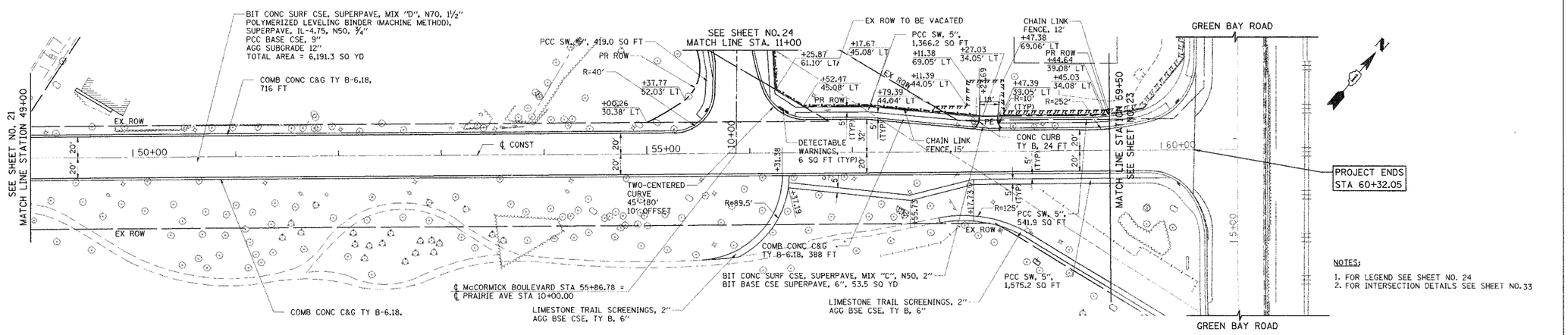
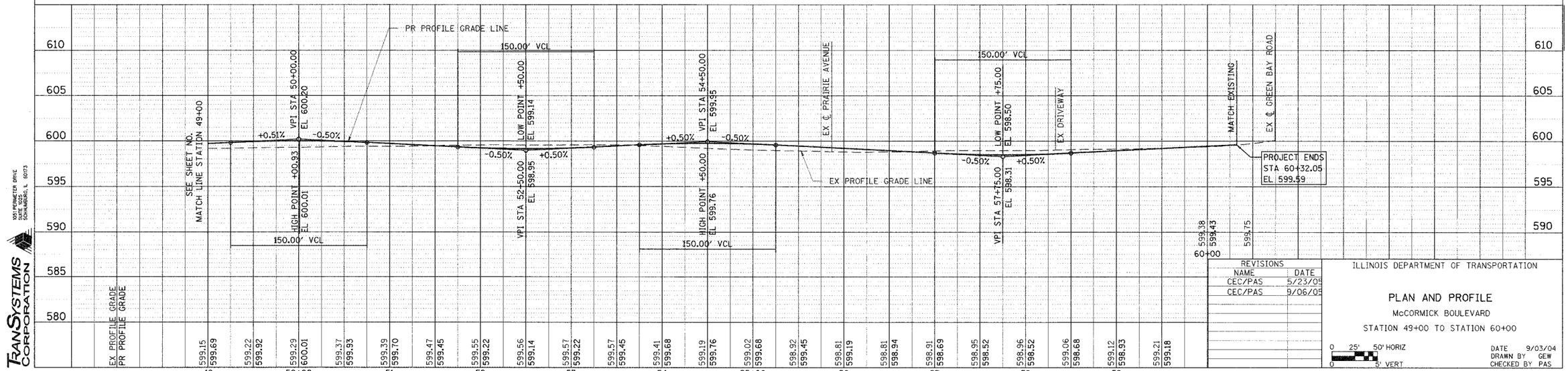


NOTES:

1. FOR LEGEND SEE SHEET NO. 24
2. FOR INTERSECTION DETAILS SEE SHEET NO. 33

PROPOSED



TRANSYSTEMS CORPORATION
1701 PERIMETER DRIVE
SUITE 1025
SCHAUMBURG, IL 60173

REVISIONS	
NAME	DATE
CEC/PAS	5/23/05
CEC/PAS	9/06/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE

McCORMICK BOULEVARD

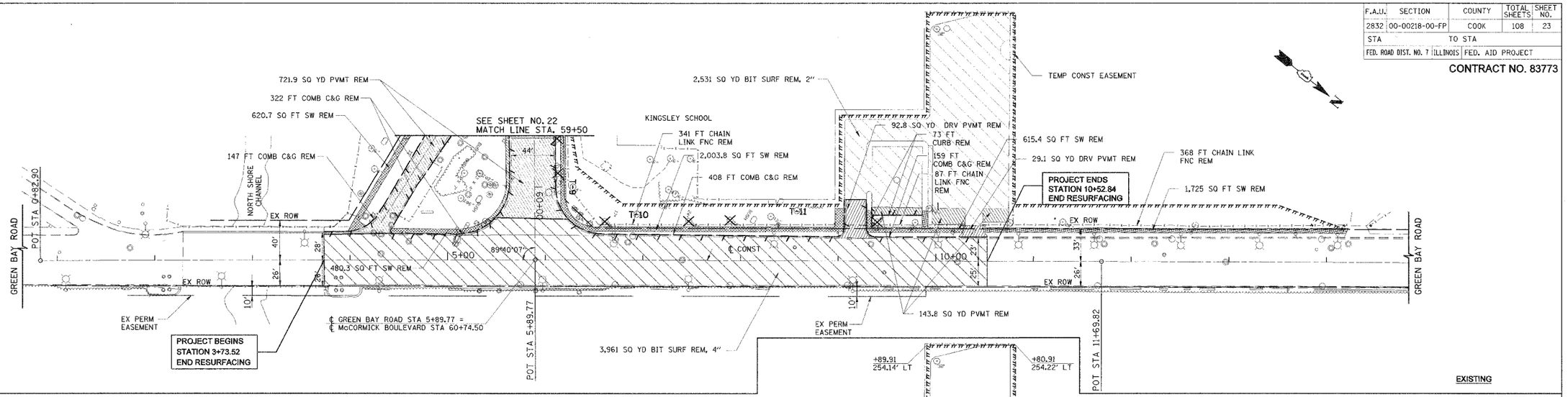
STATION 49+00 TO STATION 60+00

0 25' 50' HORIZ
0 5' VERT

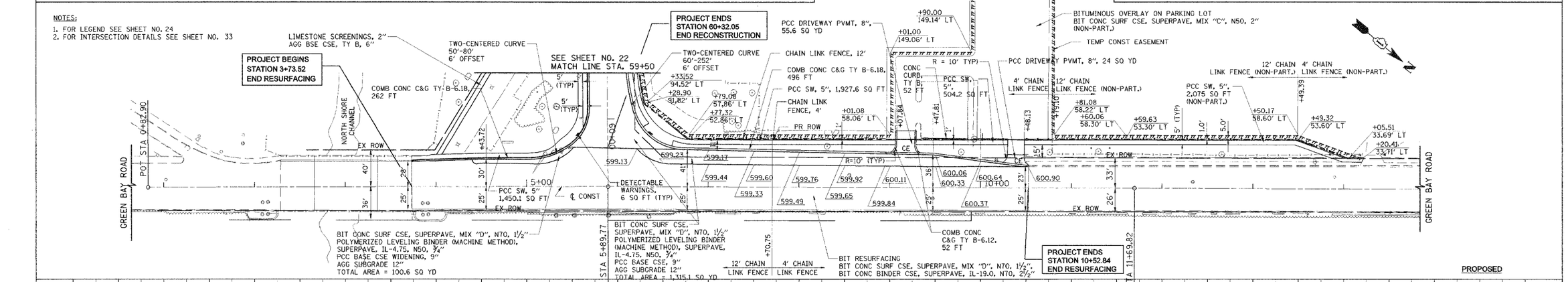
DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

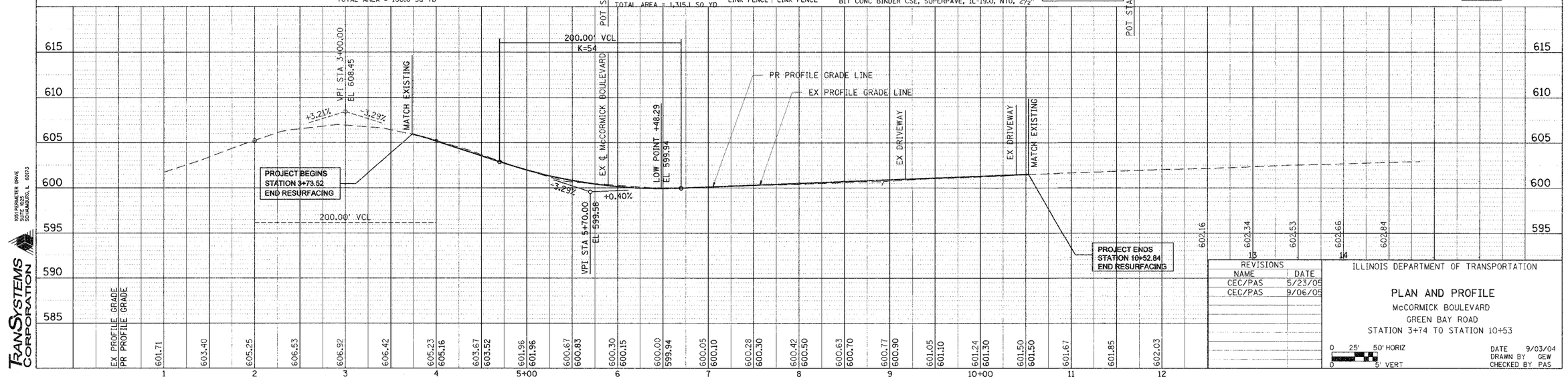
F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	23
STA	TO STA			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



NOTES:
1. FOR LEGEND SEE SHEET NO. 24
2. FOR INTERSECTION DETAILS SEE SHEET NO. 33





TRANSYSTEMS CORPORATION
1035 PERIMETER DRIVE
SUITE 1025
SCHAUMBURG, IL 60173

REVISIONS	
NAME	DATE
CEC/PAS	5/23/05
CEC/PAS	9/06/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE

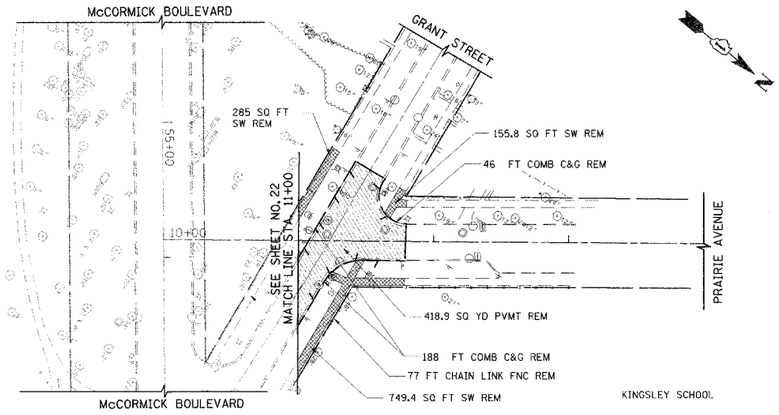
McCORMICK BOULEVARD
GREEN BAY ROAD
STATION 3+74 TO STATION 10+53

0 25' 50' HORIZ
0 5' VERT

DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	24
STA		TO STA		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



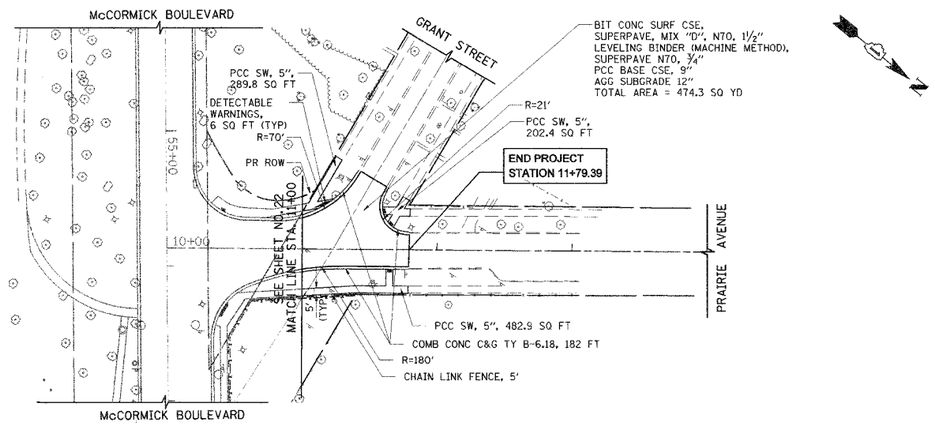
EXISTING

LEGEND

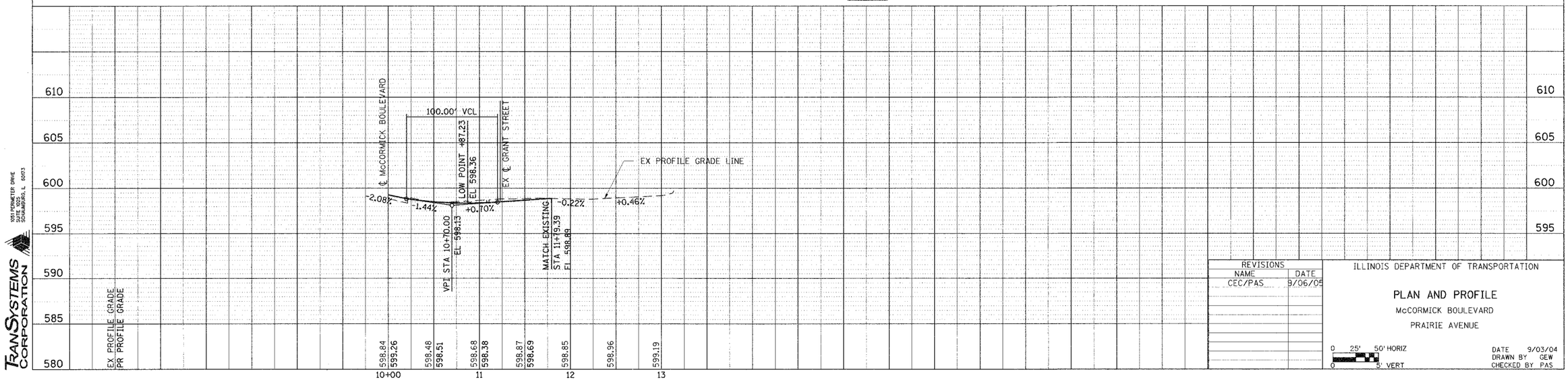
- SIDEWALK REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL
- TREE REMOVAL
- T-(1) TREE RELOCATION
- DRIVEWAY PAVEMENT REMOVAL
- PAVEMENT REMOVAL

NOTES:

1. FOR INTERSECTION DETAILS SEE SHEET NO. 33



PROPOSED



TRANSYSTEMS CORPORATION
9051 PERIMETER DRIVE
SUITE 205
SCHAUMBURG, IL 60173

REVISIONS	
NAME	DATE
CEC/PAS	9/06/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE

McCORMICK BOULEVARD

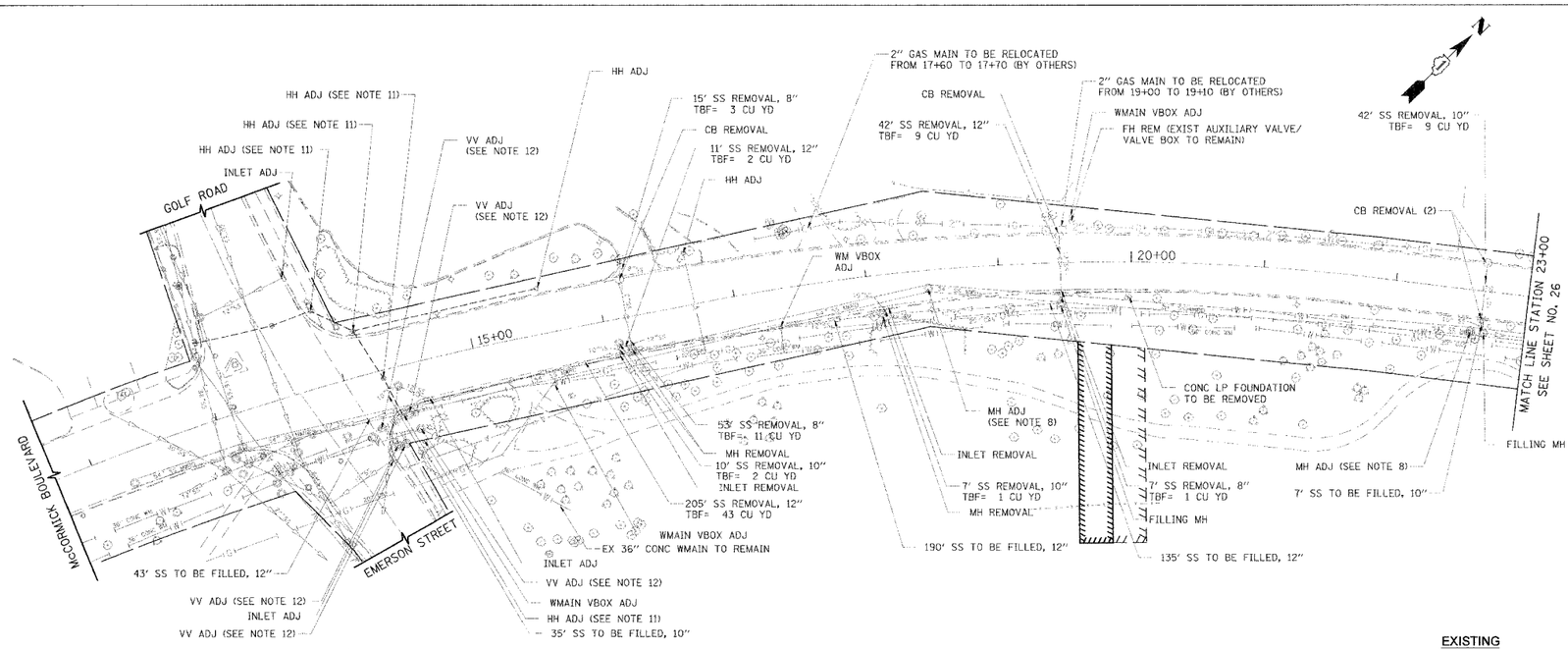
PRAIRIE AVENUE

0 25' 50' HORIZ
0 5' VERT

DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	25
STA 14+00	TO STA 23+00			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



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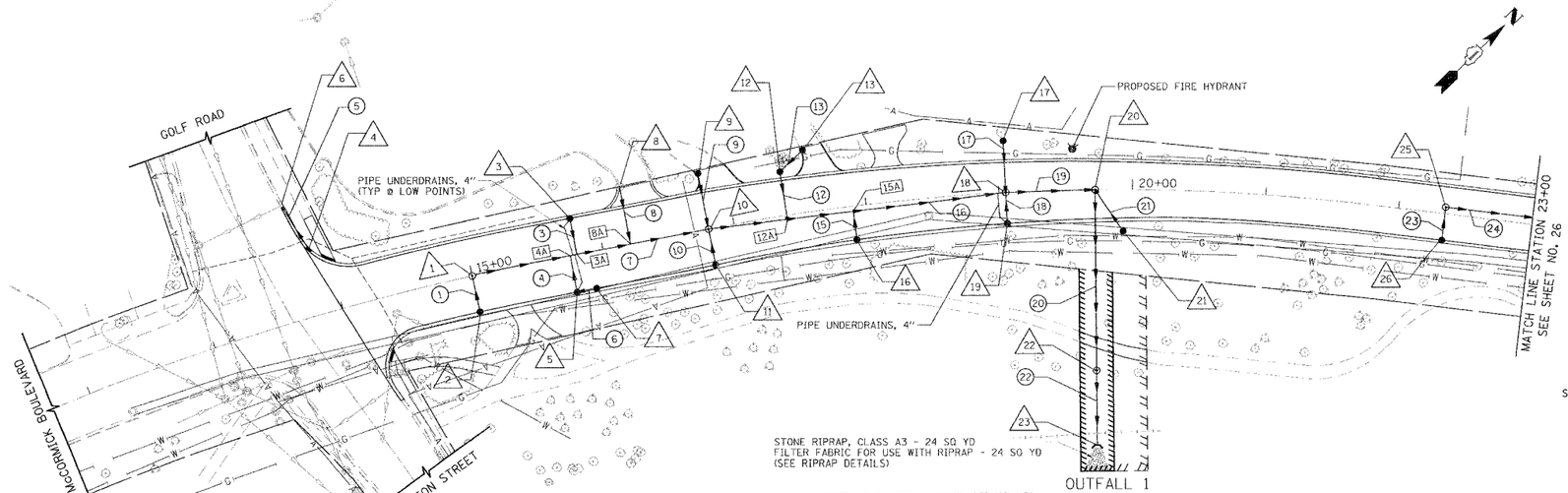
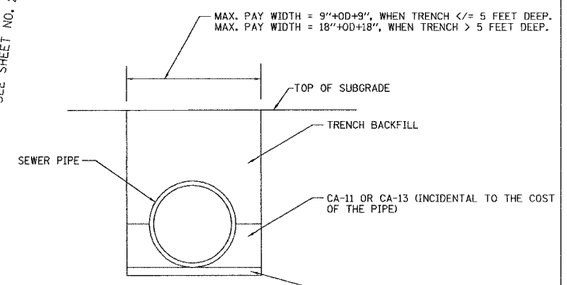


PROPOSED

NOTES

1. THE COST OF CONNECTING EXISTING STORM SEWERS TO THE PROPOSED DRAINAGE SYSTEM AND CONNECTING PROPOSED STORM SEWER TO EXISTING STRUCTURES SHALL BE INCLUDED IN THE COST OF THE CONTRACT. HOWEVER, THE NECESSARY PIPE USED WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR "STORM SEWER" OF THE SIZE REQUIRED.
2. OFFSETS AND TOP OF FRAME OR LID ELEVATIONS FOR STRUCTURES WHICH ARE LOCATED IN THE GUTTER ARE GIVEN AT THE EDGE OF PAVEMENT WITH RELATION TO THE PROPOSED CENTERLINE.
3. OFFSETS AND TOP OF FRAME OR LID ELEVATIONS FOR STRUCTURES NOT LOCATED IN THE GUTTER ARE GIVEN TO THE CENTER OF THE STRUCTURE WITH RELATION TO THE PROPOSED CENTERLINE.
4. CENTER OF RIM FOR STRUCTURES ON MAINLINE THAT ARE LOCATED IN PAVEMENT SHOULD BE PLACED AT SAME OFFSET AS STRUCTURE IS PLACED.
5. THE REMOVAL OF EXISTING FLARED END SECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR "STORM SEWER REMOVAL" OF THE SIZE AND LENGTH SPECIFIED.
6. STORM SEWER (WATER MAIN REQUIREMENTS) IS TO BE USED AT LOCATIONS WHERE LATERAL SEPARATION BETWEEN THE SEWER AND WATER MAIN IS LESS THAN 10 FEET AND THE WATER MAIN INVERT IS LESS THAN 18 INCHES ABOVE THE STORM SEWER CROWN.
7. STORM SEWER (WATER MAIN REQUIREMENTS) IS TO BE USED AT LOCATIONS WHERE THE STORM SEWER CROSSES ABOVE THE WATERMAIN.
8. ALL MWRDGC MANHOLES SHALL BE ADJUSTED IN ACCORDANCE WITH MWRDGC STANDARD NO. 8-121 (SEE SHEET 60)
9. ALL WATER MAIN TO BE CLASS 52 DUCTILE IRON WITH POLYETHYLENE ENCASEMENT. INSTALLATION IN ACCORDANCE TO STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS AND EVANSTON STANDARD SPECIFICATIONS. FIRE HYDRANT, VALVE BOX AND VALVE INSTALLATION SHALL BE IN ACCORDANCE WITH CITY OF EVANSTON STANDARDS.
10. MEG-A-LUG JOINT RESTRAINTS ARE REQUIRED AT ALL VALVES, CAPS, FITTINGS AND PIPE WITHIN 20' OF A FITTING. CONTRACTOR TO PROVIDE ALL NECESSARY TAPS FOR REQUIRED PRESSURE TEST, FLUSHING, AND DISINFECTION OF MAIN. COST OF THESE ITEMS ARE INCLUDED IN THE COST OF THE WATERMAIN INSTALLED.
11. THE CONTRACTOR SHALL USE EXTREME CAUTION WHILE EXCAVATING ALONG THE NORTH APPROACH OF THE GOLF ROAD INTERSECTION TO ENSURE THAT THE EXISTING TRAFFIC SIGNAL CONDUIT IS MAINTAINED AT ALL TIMES. IF THE CONTRACTOR'S OPERATIONS DAMAGE THE CONDUIT OR DISRUPT SIGNAL OPERATIONS, THE CONTRACTOR SHALL BE REQUIRED TO MAKE NECESSARY REPAIRS IN ORDER TO RESTORE SIGNAL OPERATIONS AT HIS/HER OWN EXPENSE.
12. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN ADJUSTING THE VENTURI METER PITS LOCATED IN THE NORTHEAST CORNER OF EMERSON STREET AND MCCORMICK BOULEVARD. ANY DAMAGE TO THE METERS OR SENSING EQUIPMENT (1/4-INCH COPPER LINES) WILL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE.
13. TO ADJUST THE FIRE HYDRANT THE CONTRACTOR SHALL REMOVE THE EXISTING 6-INCH EXTENSION AND REPLACE IT WITH A 12-INCH EXTENSION. THE 6-INCH EXTENSION SHALL REMAIN THE PROPERTY OF THE CITY.
14. THE REMOVAL OF THE EXTENSION FROM THE MAINLINE TO THE FIRE HYDRANT SHALL BE INCLUDED IN THE COST OF FIRE HYDRANTS TO BE REMOVED. THE REMOVAL OF THE EXISTING TEE ON THE WATER MAIN SHALL BE INCLUDED IN THE COST OF THE WATER MAIN 8" WHICH WILL BE INSTALLED WHERE THE TEE WAS REMOVED.
15. ANY PROPOSED MANHOLES, CATCH BASINS, AND VALVE VAULTS WHICH WILL BE OWNED BY THE CITY OF EVANSTON SHALL NOT HAVE CAST IRON STEPS IN THEM.
16. THE CONTRACTOR SHALL ROTATE THE EXISTING TEE TO FACE WEST WHICH SHALL BE INCLUDED IN THE COST OF FIRE HYDRANTS TO BE MOVED.



TYPICAL TRENCH DETAIL

SCHEDULE OF STORM SEWER PIPES:

PIPE NO.	ITEM	CLASS	TYPE	SIZE	LENGTH (FT)	SLOPE	TBF (CU YD)
1	SS	A	1	12"	23.5	1.00%	5
2			NOT USED				
3	SS	A	2	12"	24.9	1.00%	12
4	SS	A	2	12"	24.9	1.00%	9
5	SS	A	1	12"	36.9	1.00%	3
6	SS	A	1	12"	12.0	1.00%	3
7	SS	A	2	15"	176.1	0.32%	87
8	SS	A	2	12"	40.8	1.00%	19
9	SS	A	1	12"	38.4	1.00%	6
10	SS	A	1	12"	23.5	1.00%	5
11			NOT USED				
12	SS	A	2	12"	33.2	1.00%	19
13	SS	A	2	12"	19.5	1.00%	14
14			NOT USED				
15	SS	A	2	12"	22.5	1.00%	14
16	SS	A	2	21"	219.4	0.21%	166
17	SS	A	2	12"	34.5	1.00%	10
18	SS	A	1	12"	18.5	1.00%	4
19	SS	A	2	24"	62.0	0.17%	64
20	SS	WM REQMTS	3	24"	130.0	0.23%	55
21	SS	A	1	12"	32.9	1.00%	12
22	SS	A	3	24"	63.5	0.17%	0
23	SS	A	1	12"	21.0	1.00%	4
24	SS	A	2	12"	201.0	0.44%	65

SCHEDULE OF STORM SEWER STRUCTURES:

STR. NO.	STATION	OFFSET (FT)		TYPE	FRAME & GRATE	RIM ELEV.	INVERT EL NE	INVERT EL NW	INVERT EL SE	INVERT EL SW	INVERT EL EAST	INVERT EL WEST
1	15+00.0	0.0	LT	MH TA 4 DIA	T1F CL	600.00	594.73		595.77			
2	15+00.0	27.5	RT	CB TA 4 DIA	T21F&G	599.26		596.01				
3	15+80.0	27.5	LT	CB TA 4 DIA	T3F&G	600.55			594.84			
4	13+87.6	49.4	LT	INLETS TA	T3F&G	600.08						597.27
5	15+75.0	27.5	RT	CB TA 4 DIA	T21F&G	599.07	594.97	594.87				
6	13+77.5	86.9	LT	EX INLET	ADJ EX F&G	600.00				596.85	596.90	
7	15+90.0	27.5	RT	CB TA 4 DIA	T21F&G	599.08				595.09		
8	16+21.0	43.4	LT	EX CB	ADJ EX F&G	600.19			594.88			
9	16+80.6	42.4	LT	CB TA 4 DIA	T1F OL	600.25			597.00			
10	16+80.6	0.0	LT	MH TA 4 DIA	T1F CL	600.15	593.86	596.62	595.87	594.16		
11	16+80.6	27.5	RT	CB TA 4 DIA	T21F&G	599.35		596.10				
12	17+40.0	33.0	LT	CB TA 4 DIA	T8G	600.39		594.55	594.45			
13	17+58.7	46.6	LT	CB TA 4 DIA	T1F OL	600.31			594.75			
14	NOT USED											
15	NOT USED											
16	17+90.0	25.4	RT	CB TA 4 DIA	T21F&G	599.96		594.24				
17	19+05.0	39.0	LT	CB TA 4 DIA	T8G	598.68			595.43			
18	19+05.0	0.0	LT	MH TA 5 DIA	T1F CL	601.27	593.11	595.09	597.17	593.41		
19	19+05.0	23.0	RT	CB TA 4 DIA	T21F&G	600.60		597.35				
20	19+72.0	0.0	LT	MH TA 5 DIA	T1F CL	601.61	597.23		587.90	593.00		
21	19+93.2	30.9	RT	CB TA 4 DIA	T8G	600.81				597.56		
22	19+72.0	135.0	RT	MH TA 5 DIA	T1F CL	601.06		587.60	585.79			
23	19+72.0	191.0	RT	END SECTION 24	NONE			585.70				
24	NOT USED											
25	22+35.0	5.0	LT	MH TA 4 DIA	T1F CL	601.23	596.58		597.45			
26	22+35.0	20.0	RT	CB TA 4 DIA	T3F&G	600.91		597.66				

SCHEDULE OF STORM SEWER TEES AT BLIND CONNECTS:

TEE NO.	TYPE OF TEE	LATERAL PIPE INV	LARGER PIPE INV
3A	RCP, 15" PIPE WITH 12" RISER	594.59	594.47
4A	RCP, 15" PIPE WITH 12" RISER	594.62	594.49
8A	RCP, 15" PIPE WITH 12" RISER	594.47	594.35
12A	RCP, 21" PIPE WITH 12" RISER	594.12	593.75
15A	RCP, 21" PIPE WITH 12" RISER	594.01	593.64

REVISIONS	
NAME	DATE
CEC/PAS	5/23/05
CEC/PAS	8/06/05
CEC/PAS	12/02/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES PLAN

McCORMICK BOULEVARD

STATION 14+00 TO STATION 23+00

0 25' 50'

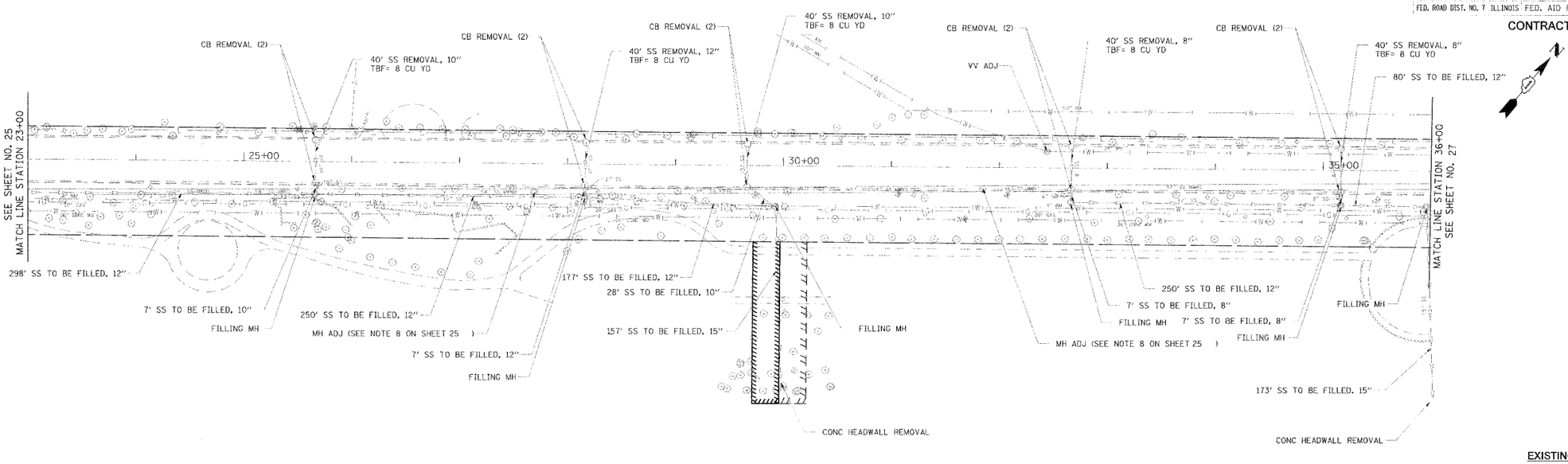
1"=50'

DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

TRANSYSTEMS CORPORATION
561 PERIMETER DRIVE
SUITE 1025
SCHAUMBURG, IL 60173

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	26
STA 23+00	TO STA 36+00			
FED. ROAD DIST. NO. 7 ILLINOIS	FED. AID PROJECT			

CONTRACT NO. 83773



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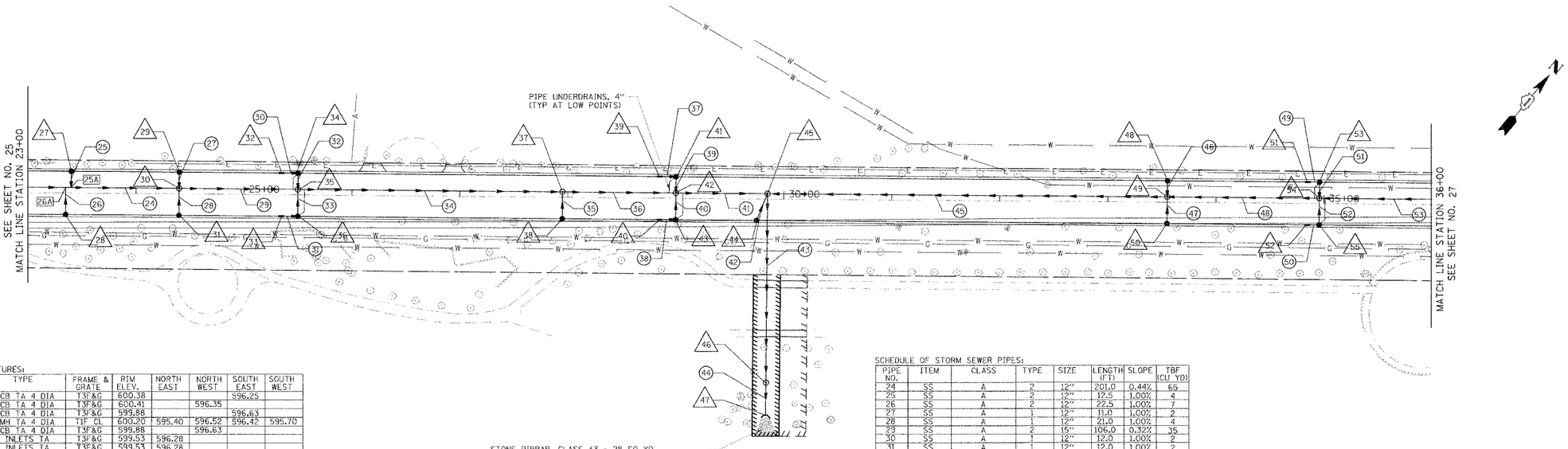


PROPOSED

SCHEDULE OF STORM SEWER STRUCTURES:

STR. NO.	STATION	OFFSET (FT)		TYPE	FRAME & GRATE	RIM ELEV.	NORTH EAST	NORTH WEST	SOUTH EAST	SOUTH WEST	
27	23+40.0	20.0	LT	CB TA 4 DIA	T3F&G	600.38			596.25		
28	23+35.0	20.0	RT	CB TA 4 DIA	T3F&G	600.41		596.35			
29	24+40.0	20.0	LT	CB TA 4 DIA	T3F&G	599.88			596.63		
30	24+40.0	5.0	LT	MH TA 4 DIA	TIF CL	600.20	595.40	596.52	596.42	595.70	
31	24+40.0	20.0	RT	CB TA 4 DIA	T3F&G	599.88		596.63			
32	25+35.0	20.0	LT	INLETS TA	T3F&G	599.53	596.28				
33	25+35.0	20.0	RT	INLETS TA	T3F&G	599.53	596.28				
34	25+50.0	20.0	LT	CB TA 4 DIA	T3F&G	599.52			596.06	596.16	
35	25+50.0	5.0	LT	MH TA 4 DIA	TIF CL	599.84	594.76	595.95	595.85	595.06	
36	25+50.0	20.0	RT	CB TA 4 DIA	T3F&G	599.52		596.06		596.16	
37	27+95.0	5.0	LT	MH TA 5 DIA	TIF CL	599.93	593.88		596.16	594.13	
38	27+95.0	20.0	RT	CB TA 4 DIA	T3F&G	599.61		596.36			
39	28+85.0	20.0	LT	INLETS TA	T3F&G	599.28	596.03				
40	28+85.0	20.0	RT	INLETS TA	T3F&G	599.28	596.03				
41	29+00.0	20.0	LT	CB TA 4 DIA	T3F&G	599.27			595.81	595.91	
42	29+00.0	5.0	LT	MH TA 5 DIA	TIF CL	599.59	593.37	595.71	595.61	593.67	
43	29+00.0	20.0	RT	CB TA 4 DIA	T3F&G	599.27		595.81		595.91	
44	29+75.0	20.0	RT	CB TA 4 DIA	T3F&G	599.45		596.20			
45	29+85.0	5.0	LT	MH TA 5 DIA	TIF CL	599.82	593.24		596.25	593.24	SE=595.98
46	29+85.0	170.0	RT	MH TA 5 DIA	TIF CL	597.04		586.00	585.74		
47	29+85.0	200.0	RT	END SECTION 30	NONE			585.70			
48	33+55.0	20.0	LT	CB TA 4 DIA	T3F&G	599.31			596.06		
49	33+55.0	5.0	LT	MH TA 5 DIA	TIF CL	599.63	594.30	595.96	595.86	594.00	
50	33+55.0	20.0	RT	CB TA 4 DIA	T3F&G	599.31		596.06			
51	34+85.0	20.0	LT	INLETS TA	T3F&G	598.78	595.53				
52	34+85.0	20.0	RT	INLETS TA	T3F&G	598.78	595.53				
53	34+95.7	20.0	LT	CB TA 4 DIA	T3F&G	598.78			595.36	595.46	
54	34+95.7	5.0	LT	MH TA 4 DIA	TIF CL	599.10	595.16	595.25	595.15	594.66	
55	34+95.7	20.0	RT	CB TA 4 DIA	T3F&G	598.78		595.36		595.46	

SCHEDULE OF STORM SEWER TEES AT BLIND CONNECTS:

TEE NO.	TYPE OF TEE	LATERAL PIPE INV	LARGER PIPE INV
25A	RCP, 12" PIPE WITH 12" RISER	596.13	596.13
26A	RCP, 12" PIPE WITH 12" RISER	596.15	596.15

SCHEDULE OF STORM SEWER PIPES:

PIPE NO.	ITEM	CLASS	TYPE	SIZE	LENGTH (FT)	SLOPE	TBF (CU YD)
24	SS	A	2	12"	201.0	0.44%	65
25	SS	A	2	12"	12.5	1.00%	4
26	SS	A	2	12"	22.5	1.00%	7
27	SS	A	1	12"	11.0	1.00%	2
28	SS	A	1	12"	21.0	1.00%	4
29	SS	A	2	15"	106.0	0.32%	35
30	SS	A	1	12"	12.0	1.00%	2
31	SS	A	1	12"	12.0	1.00%	2
32	SS	A	1	12"	11.0	1.00%	2
33	SS	A	1	12"	21.0	1.00%	4
34	SS	A	2	18"	240.5	0.26%	109
35	SS	A	1	12"	20.5	1.00%	4
36	SS	A	2	21"	100.0	0.21%	55
37	SS	A	1	12"	12.0	1.00%	2
38	SS	A	1	12"	12.0	1.00%	2
39	SS	A	1	12"	10.5	1.00%	2
40	SS	A	1	12"	20.5	1.00%	4
41	SS	A	2	24"	80.0	0.17%	50
42	SS	A	1	12"	22.4	1.00%	4
43	SS	WM REQMTS	2	30"	170.0	0.15%	56
44	SS	A	2	30"	27.5	0.13%	0
45	SS	WM REQMTS	2	21"	365.0	0.21%	208
46	SS	WM REQMTS	1	12"	10.5	1.00%	2
47	SS	A	1	12"	20.5	1.00%	4
48	SS	WM REQMTS	2	18"	136.2	0.26%	48
49	SS	WM REQMTS	1	12"	7.8	1.00%	1
50	SS	A	1	12"	7.8	1.00%	1
51	SS	WM REQMTS	1	12"	11.0	1.00%	2
52	SS	A	1	12"	21.0	1.00%	4
53	SS	WM REQMTS	1	12"	240.3	0.44%	55

TRANSYSTEMS CORPORATION
1434 PERIMETER DRIVE
SUITE 1025
SCHAUMBURG, IL 60173

REVISIONS	
NAME	DATE
PAS/CEC	5/23/05
PAS/CEC	12/02/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES PLAN

McCORMICK BOULEVARD

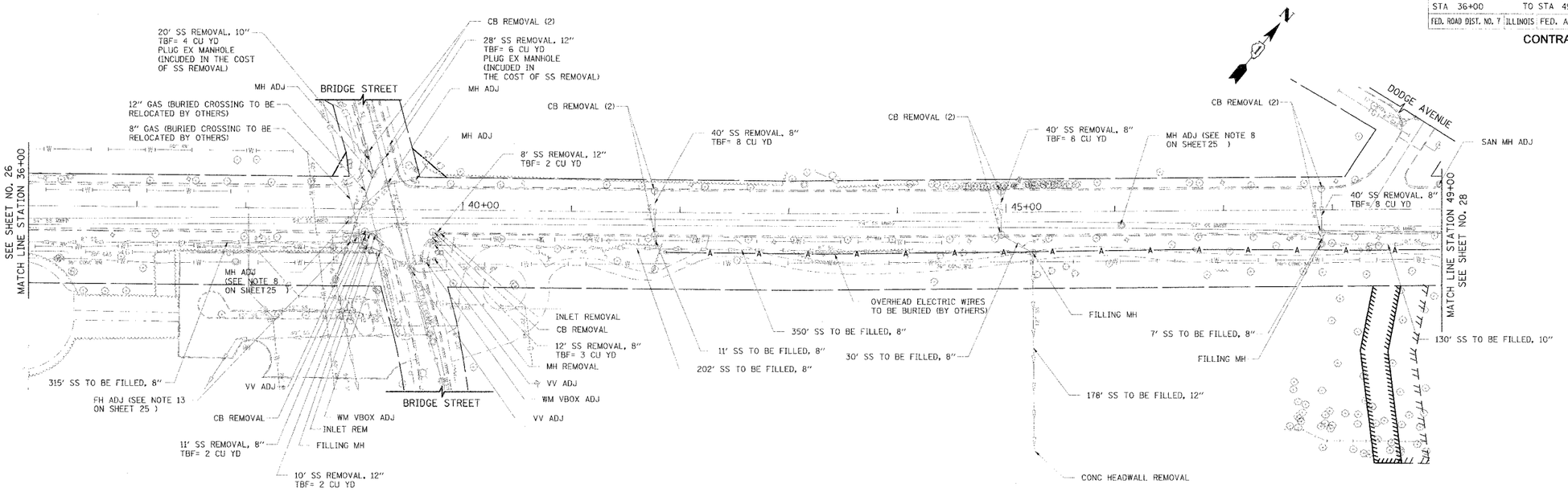
STATION 23+00 TO STATION 36+00

0 25' 50'
1"=50'

DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

F.A.U.	SECTION	COUNTY	TOTAL SHEET SHEETS	NO.
2832	00-00218-00-FP	COOK	108	27
STA 36+00	TO STA 49+00			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



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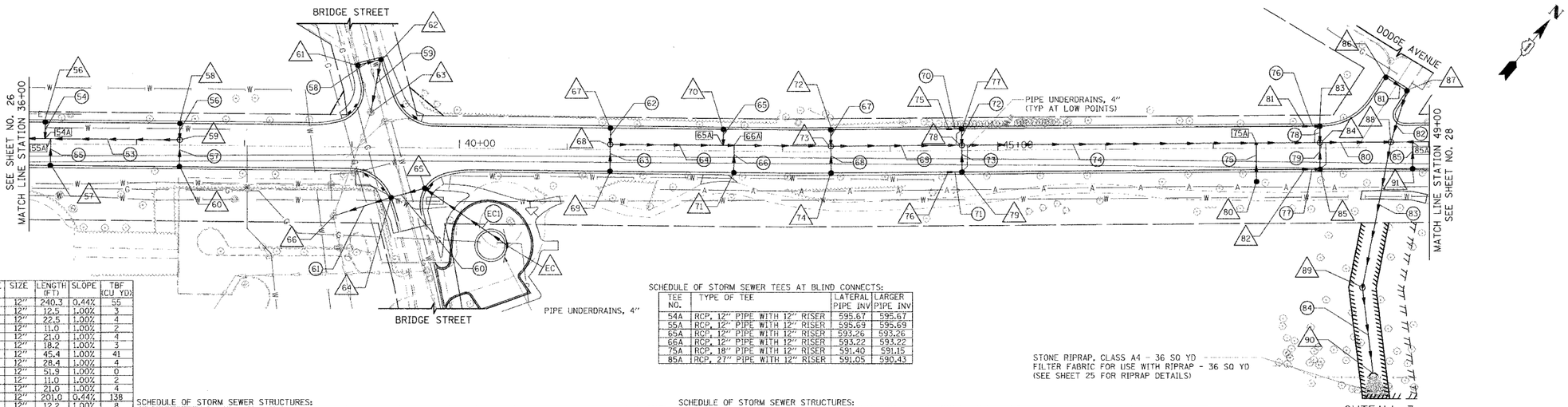


PROPOSED

SCHEDULE OF STORM SEWER PIPES:

PIPE NO.	ITEM	CLASS	TYPE	SIZE	LENGTH (FT)	SLOPE	TBF (CU YD)
53	SS	WM REQMTS	1	12"	240.3	0.44%	55
54	SS	WM REQMTS	1	12"	12.5	1.00%	3
55	SS	A	1	12"	22.5	1.00%	4
56	SS	WM REQMTS	1	12"	11.0	1.00%	2
57	SS	A	1	12"	21.0	1.00%	4
58	SS	WM REQMTS	1	12"	18.2	1.00%	3
59	SS	WM REQMTS	2	12"	45.4	1.00%	41
60	SS	WM REQMTS	1	12"	28.4	1.00%	4
61	SS	WM REQMTS	1	12"	51.9	1.00%	0
62	SS	A	1	12"	11.0	1.00%	2
63	SS	A	1	12"	21.0	1.00%	4
64	SS	A	2	12"	201.0	0.44%	138
65	SS	A	2	12"	12.2	1.00%	8
66	SS	A	2	12"	22.9	1.00%	15
67	SS	A	1	12"	11.0	1.00%	2
68	SS	A	1	12"	21.0	1.00%	4
69	SS	A	2	15"	111.7	0.32%	90
70	SS	A	1	12"	8.7	1.00%	1
71	SS	A	1	12"	8.7	1.00%	1
72	SS	A	1	12"	11.0	1.00%	2
73	SS	A	1	12"	21.0	1.00%	4
74	SS	A	2	18"	327.9	0.26%	294
75	SS	A	2	12"	33.3	1.00%	28
76	SS	A	1	12"	11.1	1.00%	2
77	SS	A	1	12"	11.1	1.00%	2
78	SS	A	1	12"	10.5	1.00%	2
79	SS	A	1	12"	20.5	1.00%	4
80	SS	A	2	24"	60.9	0.17%	69
81	SS	A	1	12"	19.0	1.00%	3
82	SS	A	2	12"	45.3	1.00%	15
83	SS	WM REQMTS	2	36"	132.8	0.13%	60
84	SS	A	2	36"	77.0	0.10%	0
85	SS	A	2	12"	21.9	1.00%	20
EC1	SS	WM REQMTS	1	12"	90	0.44%	9

SCHEDULE OF STORM SEWER TEES AT BLIND CONNECTS:

TEE NO.	TYPE OF TEE	LATERAL PIPE INV	LARGER PIPE INV
54A	RCP, 12" PIPE WITH 12" RISER	595.67	595.67
55A	RCP, 12" PIPE WITH 12" RISER	595.69	595.69
65A	RCP, 12" PIPE WITH 12" RISER	593.26	593.26
66A	RCP, 12" PIPE WITH 12" RISER	593.22	593.22
75A	RCP, 18" PIPE WITH 12" RISER	591.40	591.15
85A	RCP, 27" PIPE WITH 12" RISER	591.05	590.43

SCHEDULE OF STORM SEWER STRUCTURES:

STR. NO.	STATION	OFFSET (FT)		TYPE	FRAME & GRATE	RIM ELEV.	NORTH EAST	NORTH WEST	SOUTH EAST	SOUTH WEST	EAST	WEST
56	36+15.0	20.6	LT	CB TA 4 DIA	T3F&G	599.22			595.80			
57	36+20.0	20.0	RT	CB TA 4 DIA	T3F&G	599.25		595.90				
58	37+40.0	20.0	LT	CB TA 4 DIA	T3F&G	599.93			596.68			
59	37+40.0	5.0	LT	MH TA 4 DIA	TIF CL	600.25		596.57	596.47	596.21		
60	37+40.0	20.0	RT	CB TA 4 DIA	T3F&G	599.93		596.68				
61	39+04.8	75.7	LT	CB TA 4 DIA	T3F&G	599.08	595.83					
62	39+26.2	81.5	LT	CB TA 4 DIA	T3F&G	599.26			591.90	595.65		
63	39+17.3	32.4	LT	EX MH	ADJ EX F&G	600.21	591.45	583.94	583.94			
64	39+36.9	46.3	RT	CB TA 4 DIA	T3F&G	600.53	596.93			596.83		
65	39+68.1	37.6	RT	CB TA 4 DIA	T3F&G	600.46			597.21	597.21		
66	38+83.4	64.2	RT	EX MH	ADJ EX F&G	600.05	596.31	583.50	583.36			
67	41+40.0	20.0	LT	CB TA 4 DIA	T3F&G	600.22			596.97			
68	41+40.0	5.0	LT	MH TA 4 DIA	TIF CL	600.54	593.72	596.86	596.76			
69	41+40.0	20.0	RT	CB TA 4 DIA	T3F&G	600.22		596.97				
70	42+45.0	20.0	LT	CB TA 4 DIA	T3F&G	599.80			593.39			
71	42+55.0	20.0	RT	CB TA 4 DIA	T3F&G	599.76		593.45				
72	43+45.0	20.0	LT	CB TA 4 DIA	T3F&G	599.40			596.15			
73	43+45.0	5.0	LT	MH TA 4 DIA	TIF CL	599.72	592.53	596.04	595.94	592.83		

SCHEDULE OF STORM SEWER STRUCTURES:

STR. NO.	STATION	OFFSET (FT)		TYPE	FRAME & GRATE	RIM ELEV.	NORTH EAST	NORTH WEST	SOUTH EAST	SOUTH WEST	EAST	WEST
74	43+45.0	20.0	RT	CB TA 4 DIA	T3F&G	599.40		596.15				
75	44+55.0	20.0	LT	INLETS TA	T3F&G	599.05	595.80					
76	44+55.0	20.0	RT	INLETS TA	T3F&G	599.05	595.80					
77	44+66.7	20.0	LT	CB TA 4 DIA	T3F&G	599.05			595.62	595.72		
78	44+66.7	5.0	LT	MH TA 4 DIA	TIF CL	599.37	591.86	595.51	595.41	592.16		
79	44+66.7	20.0	RT	CB TA 4 DIA	T3F&G	599.05		595.62		595.72		
80	47+40.0	37.0	RT	CB TA 4 DIA	T8G	599.35		591.73				
81	47+85.0	20.0	LT	INLETS TA	T3F&G	598.95	595.70					
82	47+85.0	20.0	RT	INLETS TA	T3F&G	598.95	595.70					
83	47+99.1	20.0	LT	CB TA 4 DIA	T3F&G	598.94			595.49	595.59		
84	47+99.1	5.0	LT	MH TA 5 DIA	TIF CL	599.26	590.50	595.39	595.29	591.00		
85	47+99.1	20.0	RT	CB TA 4 DIA	T3F&G	598.94		595.49		595.59		
86	48+60.8	64.6	LT	CB TA 4 DIA	T3F&G	598.21					594.96	
87	48+80.2	52.4	LT	CB TA 4 DIA	T3F&G	598.64			594.67			594.77
88	48+65.0	5.0	LT	MH TA 5 DIA	TIF CL	599.41	590.40	594.22	586.18	590.40		
89	48+37.6	130.0	RT	MH TA 5 DIA	TIF CL	599.06		586.00	585.78			
90	48+46.8	209.0	RT	END SECTION 36	NONE			585.70				
91	48+85.0	20.0	RT	CB TA 4 DIA	T3F&G	599.19		591.27				
EC	40+45.2	89.6	RT	INLETS TA	T3F&G	599.55						597.61

TRANSYSTEMS CORPORATION
9201 PERIMETER DRIVE
SUITE 115
SCHAUMBURG, IL 60173

REVISIONS	
NAME	DATE
PAS/CEC	9/06/05
PAS/CEC	12/02/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES PLAN

McCORMICK BOULEVARD

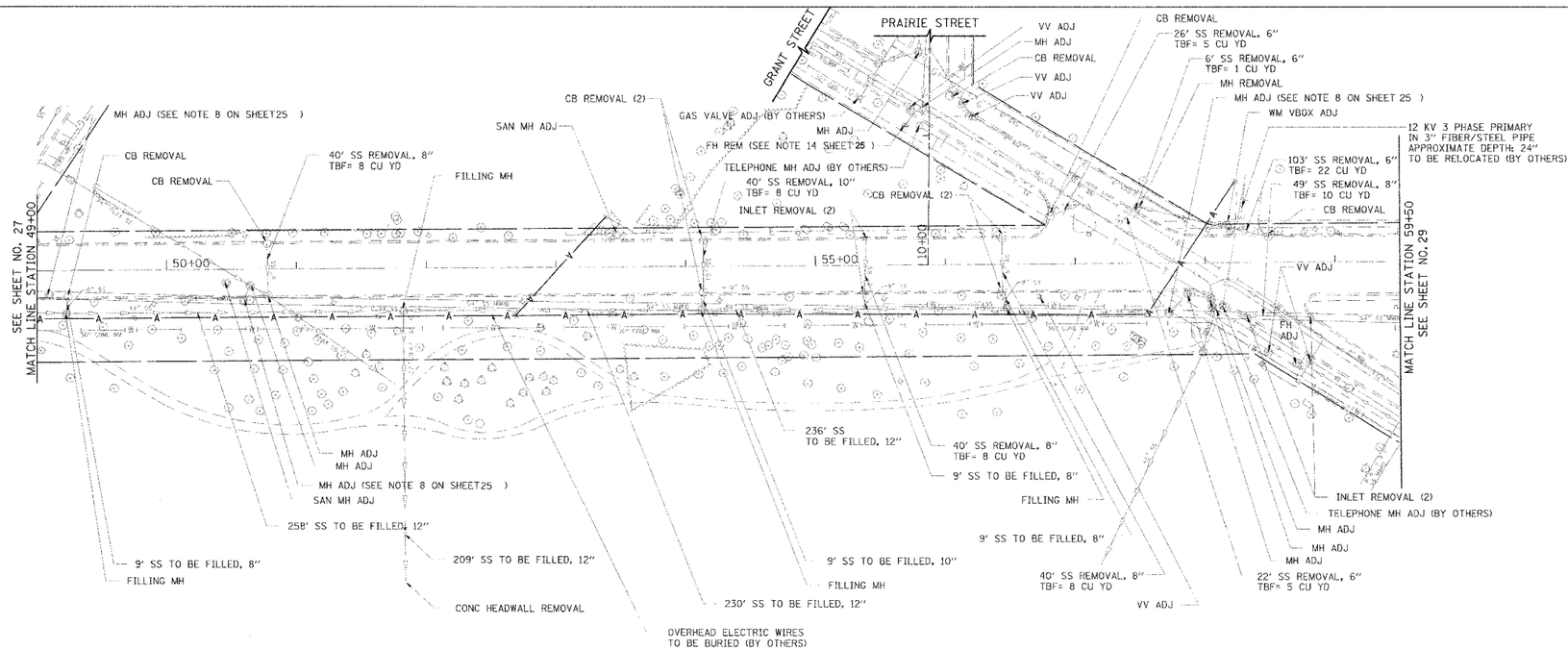
STATION 36+00 TO STATION 49+00

0 25' 50'
1"=50'

DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	28
STA 49+00	TO STA 60+00			
FED. ROAD DIST. NO. 7	ILLINOIS FED. AID PROJECT			

CONTRACT NO. 83773



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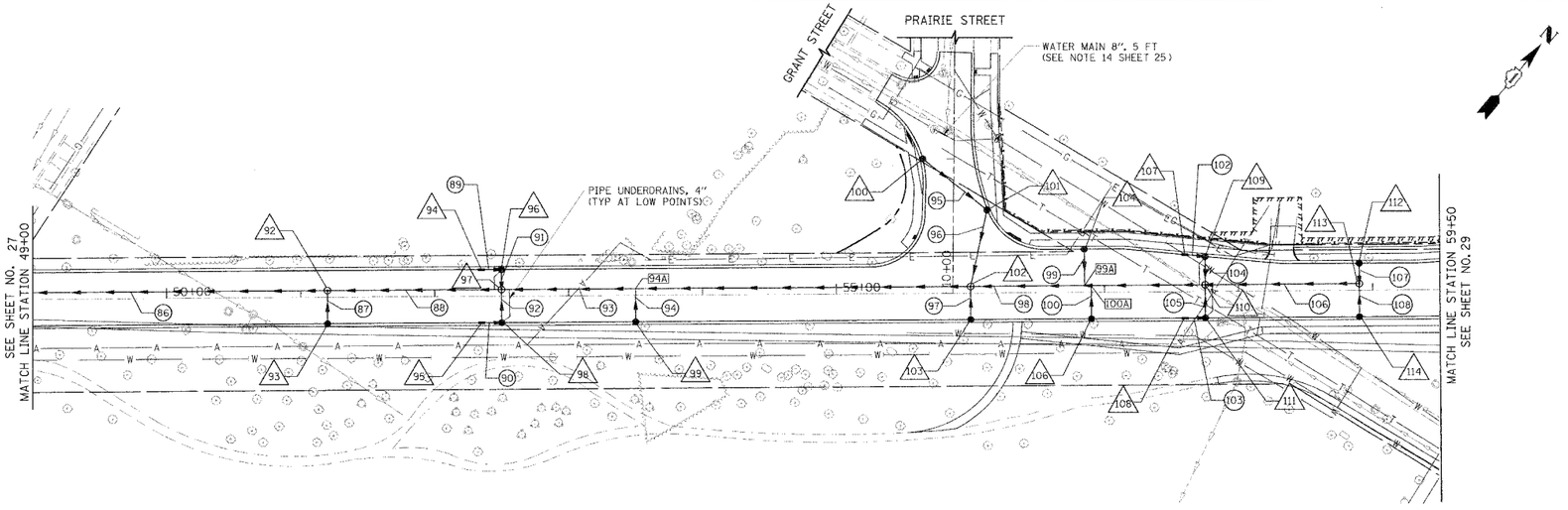


SCHEDULE OF STORM SEWER PIPES:

PIPE NO.	ITEM	CLASS	TYPE	SIZE	LENGTH (FT)	SLOPE	TBF (CU YD)
86	SS	A	2	27"	250.0	0.15%	284
87	SS	A	1	12"	20.5	1.00%	4
88	SS	A	2	24"	125.0	0.17%	122
89	SS	A	1	12"	12.0	1.00%	2
90	SS	A	1	12"	12.0	1.00%	2
91	SS	A	1	12"	10.5	1.00%	2
92	SS	A	1	12"	20.5	1.00%	4
93	SS	A	2	21"	345.0	0.21%	267
94	SS	A	2	12"	22.1	1.00%	16
95	SS	A	1	12"	57.4	1.00%	10
96	SS	A	2	12"	53.6	1.00%	20
97	SS	A	1	12"	20.5	1.00%	4
98	SS	A	2	18"	170.5	0.26%	93
99	SS	A	2	12"	24.3	1.00%	11
100	SS	A	2	12"	22.3	1.00%	10
101				NOT USED			
102	SS	WM REQMTS	1	12"	12.1	1.00%	2
103	SS	A	1	12"	12.0	1.00%	2
104	SS	WM REQMTS	1	12"	16.9	1.00%	4
105	SS	A	1	12"	21.0	1.00%	4
106	SS	WM REQMTS	2	12"	111.0	0.44%	44
107	SS	A	1	12"	11.0	1.00%	2
108	SS	A	1	12"	21.0	1.00%	4

PROPOSED

SCHEDULE OF STORM SEWER STRUCTURES:

STR. NO.	STATION	OFFSET (FT)		TYPE	FRAME & GRATE	RIM ELEV.	NORTH EAST	NORTH WEST	SOUTH EAST	SOUTH WEST	EAST	WEST
92	51+20.0	5.0	LT	MH TA 5 DIA	T1F CL	599.50	591.03		595.73	590.78		
93	51+20.0	20.0	RT	CB TA 4 DIA	T3F&G	599.18		595.93				
94	52+35.0	20.0	LT	INLETS TA	T3F&G	598.73	595.48					
95	52+35.0	20.0	RT	INLETS TA	T3F&G	598.73	595.48					
96	52+50.0	20.0	LT	CB TA 4 DIA	T3F&G	598.72			595.26	595.36		
97	52+50.0	5.0	LT	MH TA 5 DIA	T1F CL	599.04	591.54	595.16	595.06	591.24		
98	52+50.0	20.0	RT	CB TA 4 DIA	T3F&G	598.72		595.26		595.36		
99	53+50.0	20.0	RT	CB TA 4 DIA	T3F&G	599.03		592.34				
100	55+65.0	100.3	LT	CB TA 4 DIA	T3F&G	597.89	594.64					
101	56+12.7	61.7	LT	CB TA 4 DIA	T3F&G	597.95			593.97	594.07		
102	56+00.0	5.0	LT	MH TA 5 DIA	T1F CL	599.09	592.56	593.43	595.32	592.26		
103	56+00.0	20.0	RT	CB TA 4 DIA	T3F&G	598.77		595.52				

SCHEDULE OF STORM SEWER STRUCTURES:

STR. NO.	STATION	OFFSET (FT)		TYPE	FRAME & GRATE	RIM ELEV.	NORTH EAST	NORTH WEST	SOUTH EAST	SOUTH WEST	EAST	WEST
104	56+85.0	32.0	LT	CB TA 4 DIA	T3F&G	598.10			593.27			
105	NOT USED											
106	56+90.0	20.0	RT	CB TA 4 DIA	T3F&G	598.32		593.26				
107	57+60.0	27.4	LT	INLETS TA	T3F&G	597.94	594.69					
108	57+60.0	20.0	RT	INLETS TA	T3F&G	598.09	594.84					
109	57+75.0	25.9	LT	CB TA 4 DIA	T3F&G	597.96			594.47	594.57		
110	57+75.0	5.0	LT	MH TA 4 DIA	T1F CL	598.40	593.31	594.30	594.41	593.01		
111	57+75.0	20.0	RT	CB TA 4 DIA	T3F&G	598.08		594.62		594.72		
112	58+90.0	20.0	LT	CB TA 4 DIA	T3F&G	598.46			595.21			
113	58+90.0	5.0	LT	MH TA 4 DIA	T1F CL	598.78		595.10	595.00	593.80		
114	58+90.0	20.0	RT	CB TA 4 DIA	T3F&G	598.46		595.21				

SCHEDULE OF STORM SEWER TEES AT BLIND CONNECTS:

TEE NO.	TYPE OF TEE	LATERAL PIPE INV	LARGER PIPE INV
94A	RCP, 21" PIPE WITH 12" RISER	592.12	591.74
99A	RCP, 18" PIPE WITH 12" RISER	593.03	592.78
100A	RCP, 18" PIPE WITH 12" RISER	593.04	592.79

REVISIONS NAME	DATE
PAS/CEC	5/23/05
PAS/CEC	9/06/05
PAS/CEC	12/02/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES PLAN

McCORMICK BOULEVARD

STATION 49+00 TO STATION 60+00

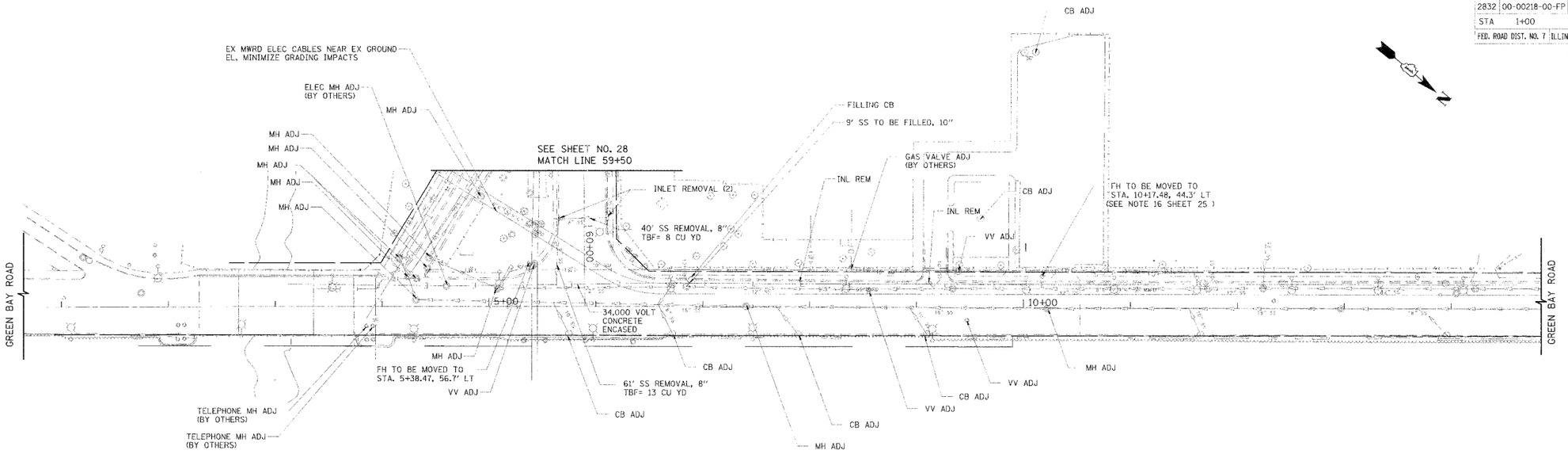
0 25' 50'
1"=50'

DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

TRANSYSTEMS CORPORATION
1031 MERIDETH DRIVE
SUITE 100
SCHAUMBURG, IL 60173

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	29
STA 1+00	TO STA 11+00			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



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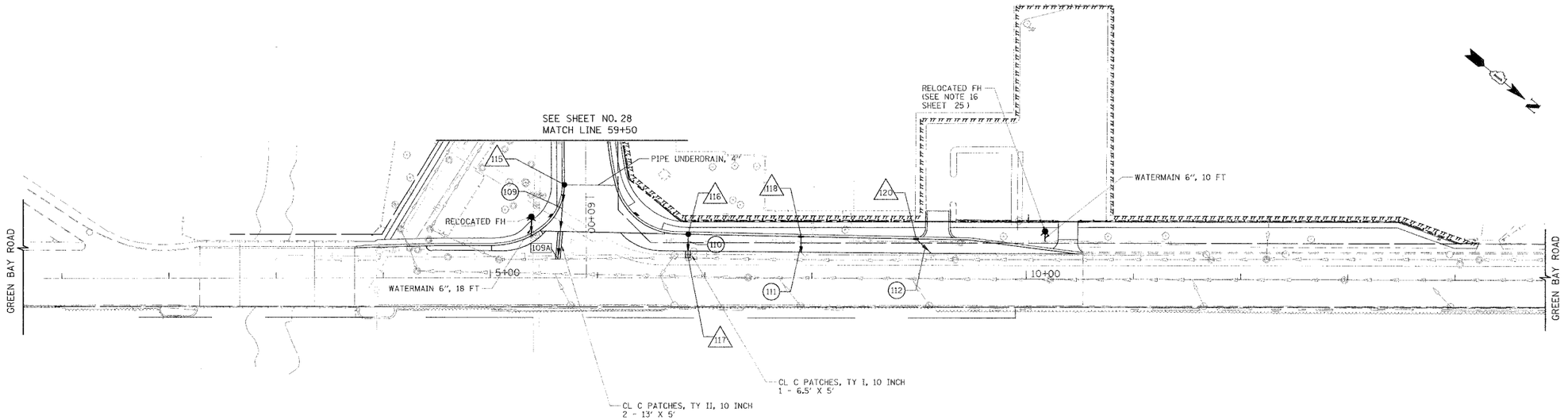


PROPOSED

SCHEDULE OF STORM SEWER STRUCTURES:

STR. NO.	STATION	OFFSET (FT)	TYPE	FRAME & GRATE	RIM ELEV.	NORTH EAST	NORTH WEST	SOUTH EAST	SOUTH WEST
115	59+88.0	20.0 RT	CB TA 4 DIA	T3F&G	598.95	595.22			
116	06+84.6	40.7 LT	CB TA 4 DIA	T3F&G	598.97	595.71			
117	06+84.6	18.6 LT	EX MH	ADJ EX F&G W/ NEW TIF CL	599.57				595.53
118	07+89.9	38.9 LT	INLETS TA	T3F&G	599.35	596.65			
119			EX INV						596.54
120	08+97.4	37.0 LT	INLETS TA	T3F&G	598.66	595.98			
121			EX INV						595.82

SCHEDULE OF STORM SEWER PIPES:

PIPE NO.	ITEM	CLASS	TYPE	SIZE	LENGTH (FT)	SLOPE	TBF (CU YD)
109	SS	WM REQMTS	2	12"	66.7	1.00%	23
110	SS	WM REQMTS	1	12"	18.1	1.00%	4
111	SS	WM REQMTS	1	10"	10.7	1.03%	0
112	SS	WM REQMTS	1	10"	15.5	1.03%	0

SCHEDULE OF STORM SEWER TEES AT BLIND CONNECTS:

TEE NO.	TYPE OF TEE	LATERAL PIPE INV	LARGER PIPE INV
109A	RCP, 12" PIPE WITH 12" RISER	594.55	594.55

REVISIONS NAME	DATE
CEC/PAS	5/23/05
CEC/PAS	12/02/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES PLAN

McCORMICK BOULEVARD
GREEN BAY ROAD
STATION 1+00 TO STATION 11+00

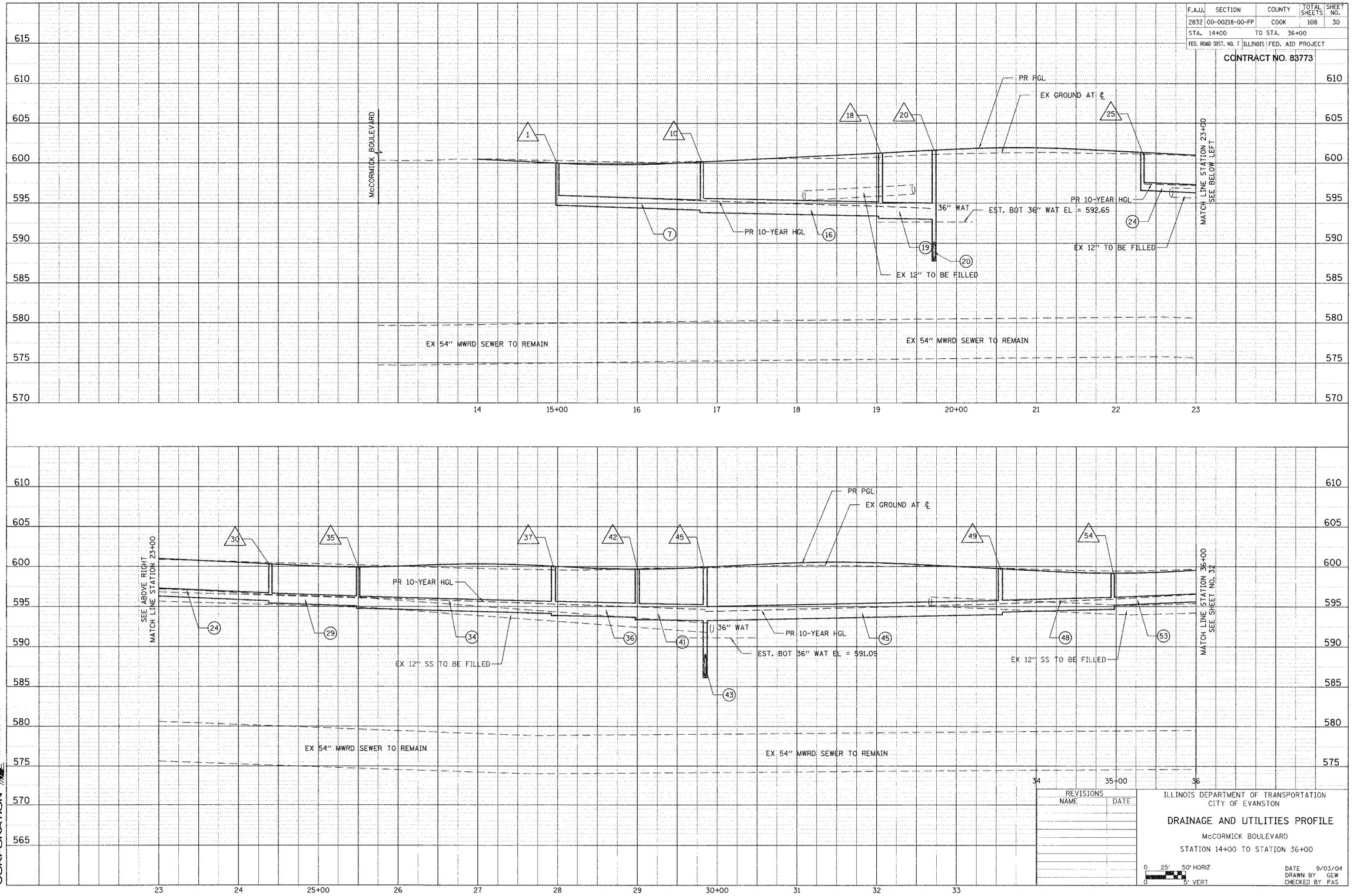
0 25' 50'
1"=50'

DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

TRANSYSTEMS CORPORATION
505 PIERCE DRIVE SUITE 105 SCHAUMBURG, IL 60173

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	30
STA. 14+00		TO STA. 36+00		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



TRANSYSTEMS CORPORATION
601 FORESTER DRIVE
SUITE 100
SCHAUMBURG, IL 60173

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

DRAINAGE AND UTILITIES PROFILE

McCORMICK BOULEVARD

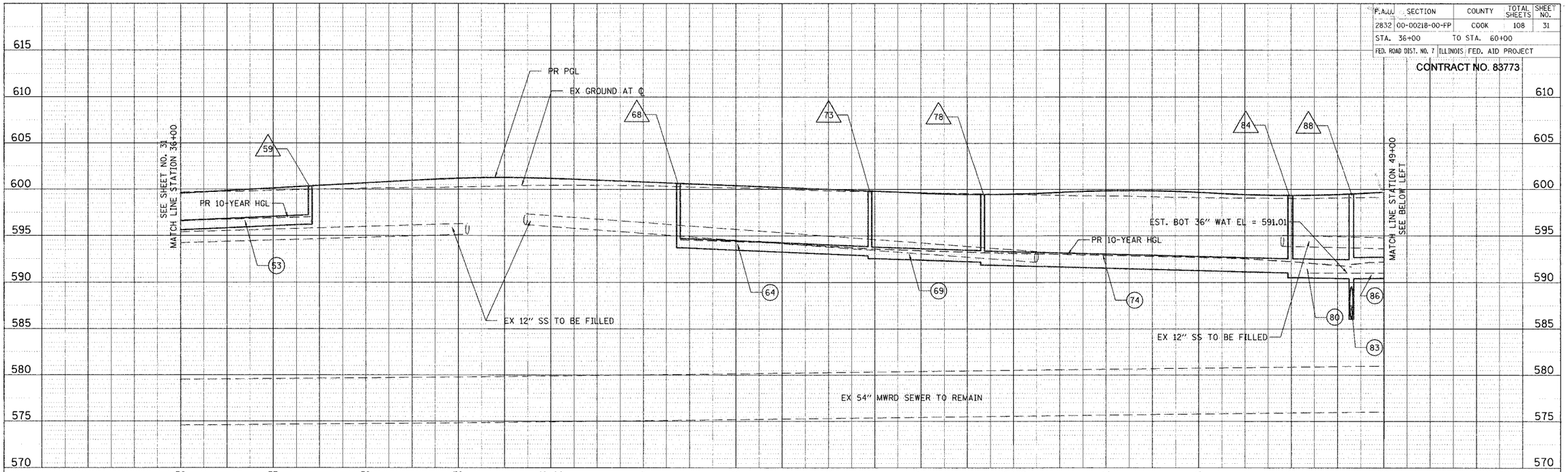
STATION 14+00 TO STATION 36+00

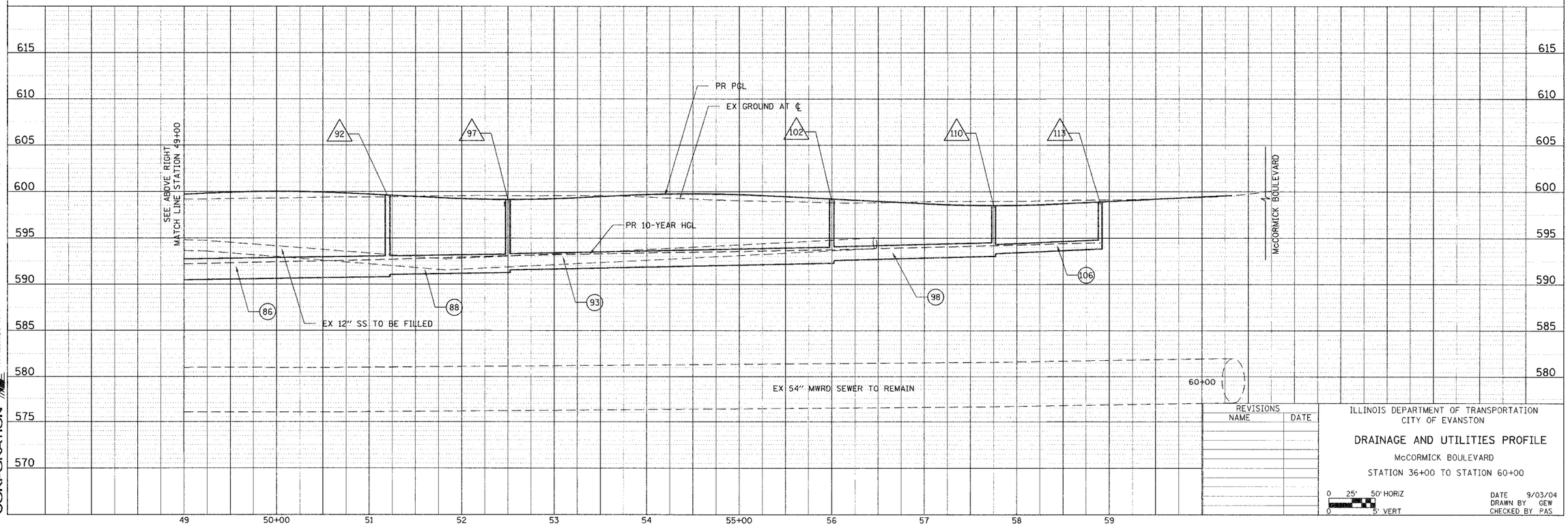
0 25' 50' HORIZ
0 5' VERT

DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	31
STA. 36+00		TO STA. 60+00		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773





TRANSYSTEMS CORPORATION
9511 PENNSYLVANIA AVENUE
SUITE 200
SCHILLER PARK, IL 60176

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

DRAINAGE AND UTILITIES PROFILE

McCORMICK BOULEVARD

STATION 36+00 TO STATION 60+00

0 25' 50' HORIZ
0 5' VERT

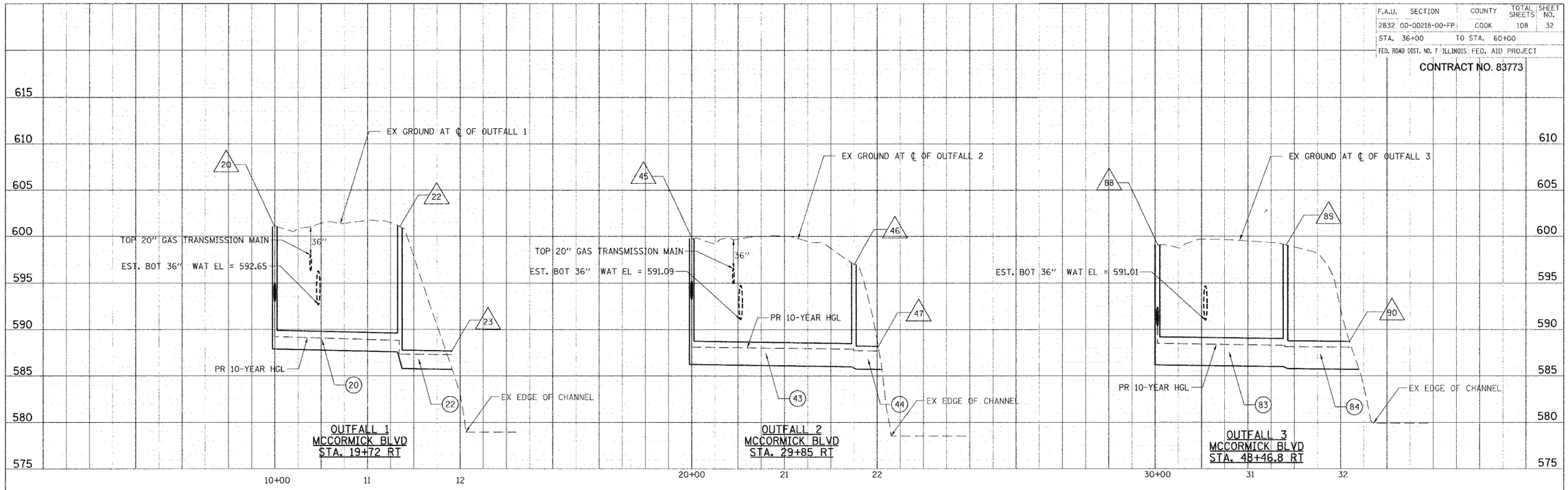
DATE 9/03/04
DRAWN BY GEW
CHECKED BY FAS

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	32

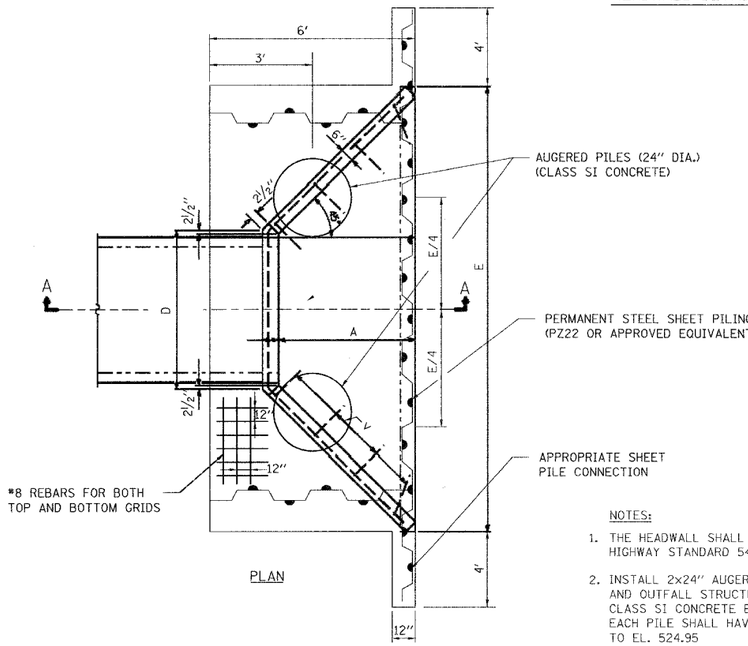
STA. 36+00 TO STA. 60+00

FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT

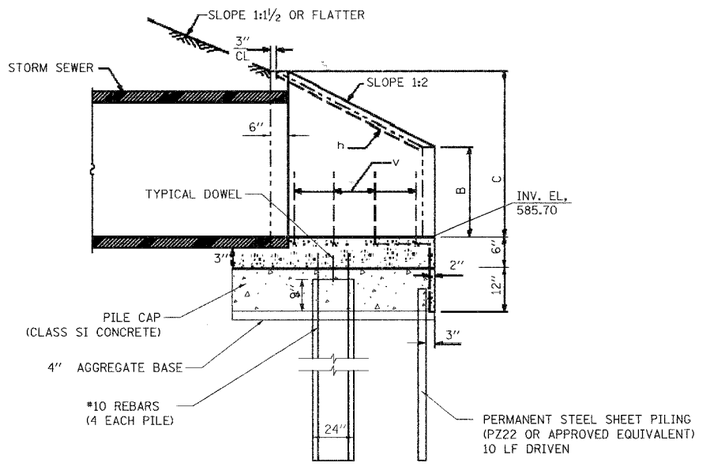
CONTRACT NO. 83773



HEADWALL DETAILS



PLAN

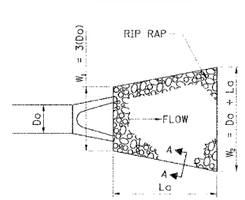


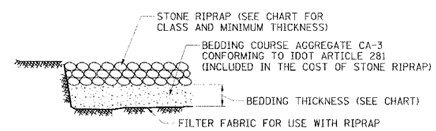
SECTION A-A

NOTES:

1. THE HEADWALL SHALL BE CONSTRUCTED IN ACCORDANCE WITH HIGHWAY STANDARD 542101.
2. INSTALL 2x24" AUGERED CAST PILES SUPPORTING THE PILE CAP AND OUTFALL STRUCTURE. PILES SHALL BE CONSTRUCTED OF CLASS SI CONCRETE EXTENDING FROM EL. 584.95 TO EL. 524.95 EACH PILE SHALL HAVE 4*10 REBARS EXTENDING FROM EL. 585.45 TO EL. 524.95
3. PILE CAP SHALL BE CONSTRUCTED OF REINFORCED CLASS SI CONCRETE AND 2 ROWS OF REBAR GRIDS AT TOP AND BOTTOM OF SLAB AND AROUND PILES. FOR BOTH GRIDS THE REBARS ARE ALL *8 REBARS @ 1' C.C. AT EACH DIRECTION. A TOTAL OF 12 *10 REBARS (DOWELS) SHALL BE INSTALLED TO CONNECT THE END SECTION TO THE PILE CAP. THE CAP WILL BE CONSTRUCTED ON A 4" AGGREGATE BASE COURSE.

RIPRAP DETAILS





SECTION A-A

RIPRAP CHART

LOCATION STA.	LOCATION OFFSET	PIPE SIZE (IN)	DEFINED CHANNEL	W_1 (FT)	W_2 (FT)	Lg (FT)	CLASS	MINIMUM THICKNESS (IN)	BEDDING THICKNESS (IN)	QUANTITY (SQ YD)
19+72.0	191.0' RT	24	NO	6	18	16	A3	15	-	24
29+85.0	200.0' RT	30	NO	7.5	20.5	18	A3	15	-	28
48+46.8	209.0' RT	36	NO	9	23	20	A4	20	6	36

REVISIONS NAME	DATE
CEC/PAS	12/02/05

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

DRAINAGE AND UTILITIES PROFILE

McCORMICK BOULEVARD

STORM SEWER OUTFALLS

0 25' 50' HORIZ
0 5' VERT

DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

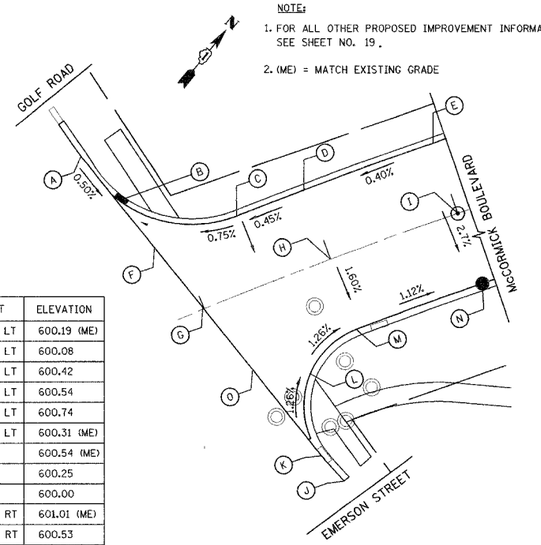
TRANSYSTEMS CORPORATION
9051 PRAIRIE STONE DRIVE
SUITE 200
SCHAUMBURG, IL 60173

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	33
STA		TO STA		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

NOTE:

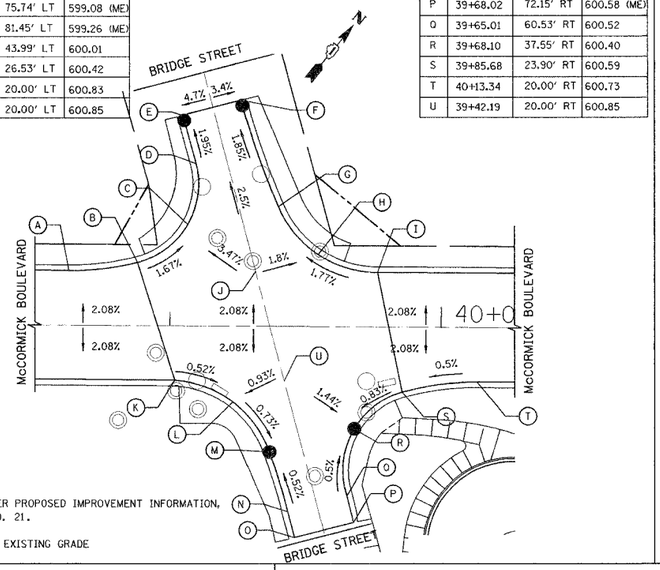
1. FOR ALL OTHER PROPOSED IMPROVEMENT INFORMATION, SEE SHEET NO. 19.
2. (ME) = MATCH EXISTING GRADE



	STATION	OFFSET	ELEVATION
A	13+79.89	69.44' LT	600.19 (ME)
B	13+86.63	48.80' LT	600.08
C	14+23.71	27.50' LT	600.42
D	14+50.00	27.50' LT	600.54
E	15+00.00	27.50' LT	600.74
F	13+91.73	27.50' LT	600.31 (ME)
G	14+00.00	0.00'	600.54 (ME)
H	14+50.00	0.00'	600.25
I	15+00.00	0.00'	600.00
J	14+24.70	78.06' RT	601.01 (ME)
K	14+20.38	66.80' RT	600.53
L	14+27.60	36.73' RT	600.12
M	14+50.00	27.50' RT	599.81
N	15+00.00	27.50' RT	599.26
O	14+08.08	27.50' RT	600.33 (ME)

	STATION	OFFSET	ELEVATION
A	38+62.62	20.00' LT	600.61
B	38+87.82	23.23' LT	600.19
C	39+06.31	37.37' LT	599.79
D	39+09.29	59.82' LT	599.39
E	39+04.77	75.74' LT	599.08 (ME)
F	39+26.22	81.45' LT	599.26 (ME)
G	39+39.70	43.99' LT	600.01
H	39+54.45	26.53' LT	600.42
I	39+76.35	20.00' LT	600.83
J	39+31.48	20.00' LT	600.85

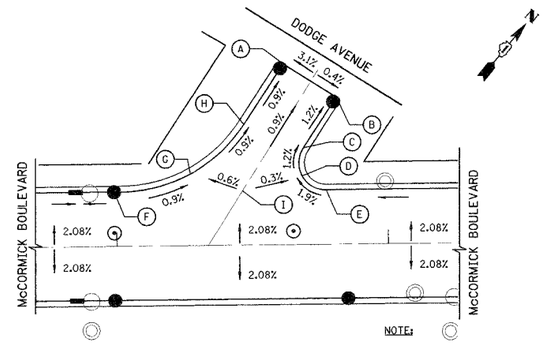
	STATION	OFFSET	ELEVATION
K	39+01.87	20.00' RT	600.78
L	39+23.31	27.93' RT	600.66
M	39+36.90	46.31' RT	600.49
N	39+43.35	66.29' RT	600.61
O	39+46.36	77.91' RT	600.66 (ME)
P	39+68.02	72.15' RT	600.58 (ME)
Q	39+65.01	60.53' RT	600.52
R	39+68.10	37.55' RT	600.40
S	39+85.68	23.90' RT	600.59
T	40+13.34	20.00' RT	600.73
U	39+42.19	20.00' RT	600.85



NOTE:

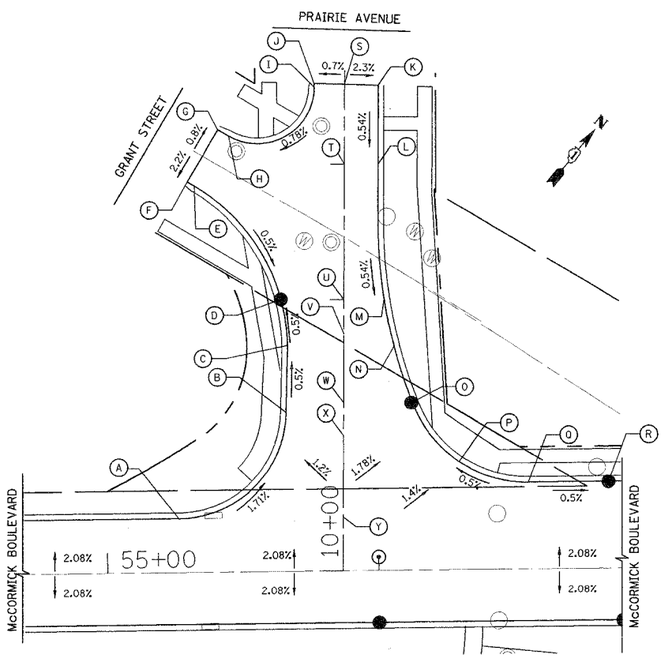
1. FOR ALL OTHER PROPOSED IMPROVEMENT INFORMATION, SEE SHEET NO. 21.
2. (ME) = MATCH EXISTING GRADE

	STATION	OFFSET	ELEVATION
A	48+61.91	66.51' LT	598.21 (ME)
B	48+81.32	54.09' LT	598.54 (ME)
C	48+68.96	35.55' LT	598.82
D	48+68.46	25.28' LT	598.95
E	48+77.28	20.00' LT	599.15
F	48+01.40	20.00' LT	598.94
G	48+27.31	26.48' LT	598.70
H	48+47.11	44.40' LT	598.46
I	48+46.46	20.00' LT	599.02



NOTE:

1. FOR ALL OTHER PROPOSED IMPROVEMENT INFORMATION, SEE SHEET NO. 21.
2. (ME) = MATCH EXISTING GRADE



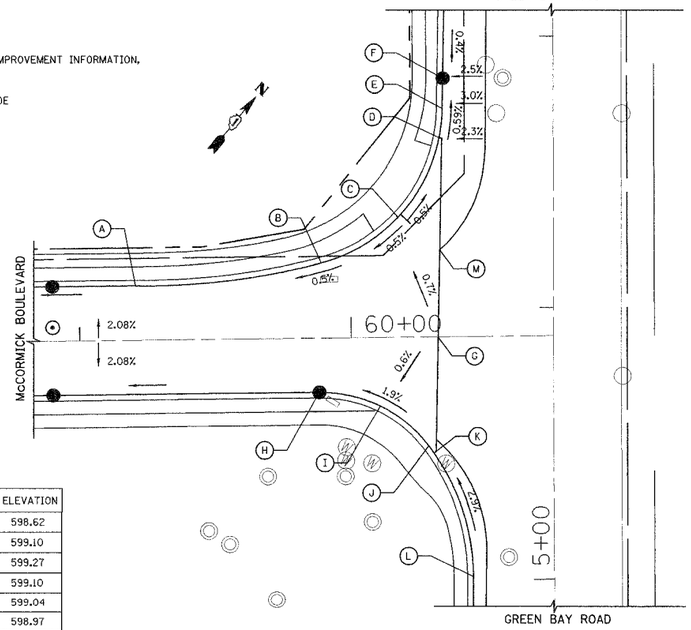
	STATION	OFFSET	ELEVATION
A	55+26.48	20.00' LT	599.15
B	55+66.45	58.65' LT	598.10
C	55+67.18	80.34' LT	597.99
D	55+64.97	100.33' LT	597.89
E	55+33.47	142.58' LT	598.18
F	55+30.91	144.13' LT	598.19 (ME)
G	55+42.45	163.19' LT	598.34 (ME)
H	55+46.37	160.83' LT	598.35
I	55+78.21	178.61' LT	598.80
J	55+78.22	179.81' LT	598.81 (ME)
K	56+01.88	178.88' LT	598.60 (ME)
L	56+01.46	149.80' LT	598.44
M	56+03.09	99.77' LT	598.17
N	56+06.49	82.62' LT	598.06
O	56+12.68	61.68' LT	597.95
P	56+30.06	39.83' LT	598.10
Q	56+55.42	32.00' LT	598.25
R	56+85.00	32.00' LT	598.10
S	55+89.39	179.37' LT	598.89
T	55+88.96	150.00' LT	598.74
U	55+88.23	100.00' LT	598.52
V	55+88.04	87.22' LT	598.36
W	55+87.68	62.00' LT	598.50
X	55+87.50	50.00' LT	598.61
Y	55+87.07	20.00' LT	598.84

NOTE:

1. FOR ALL OTHER PROPOSED IMPROVEMENT INFORMATION, SEE SHEET NO. 22 AND 24.
2. FOR GENERAL PROFILE INFORMATION ALONG GRANT STREET/ PRAIRIE AVENUE, SEE SHEET NO. 24.
3. (ME) = MATCH EXISTING GRADE

NOTE:

1. FOR ALL OTHER PROPOSED IMPROVEMENT INFORMATION, SEE SHEET NO. 23.
2. (ME) = MATCH EXISTING GRADE



	STATION	OFFSET	ELEVATION
A	59+20.70	20.00' LT	598.62
B	59+89.36	27.75' LT	599.10
C	60+17.73	44.32' LT	599.27
D	60+33.14	73.40' LT	599.10
E	60+34.33	84.18' LT	599.04
F	60+34.75	95.29' LT	598.97
G	60+32.05	0.00' LT	599.59
H	59+88.04	20.00' RT	598.95
I	60+10.47	25.31' RT	599.39
J	60+28.13	40.12' RT	599.83
K	60+30.03	42.78' RT	599.90
L	60+43.98	88.39' RT	601.30
M	60+32.96	32.18' LT	599.41

REVISIONS	
NAME	DATE
PAS/CEC	5/23/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

INTERSECTION DETAILS
McCORMICK BOULEVARD

SCALE: NTS

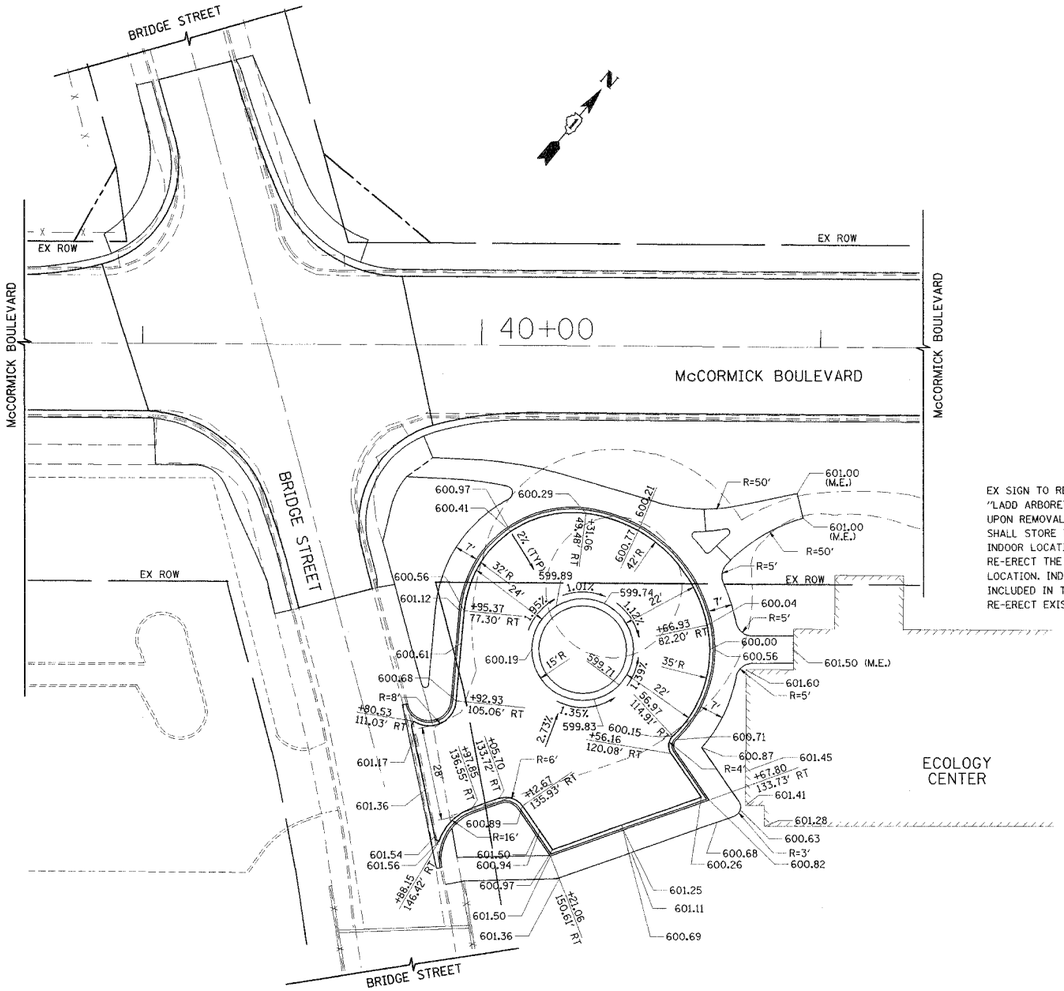
DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

TRANSYSTEMS CORPORATION
1001 FEATHERSTER DRIVE
SUITE 150
SCHAUMBURG, IL 60173

TYPICAL.SHT

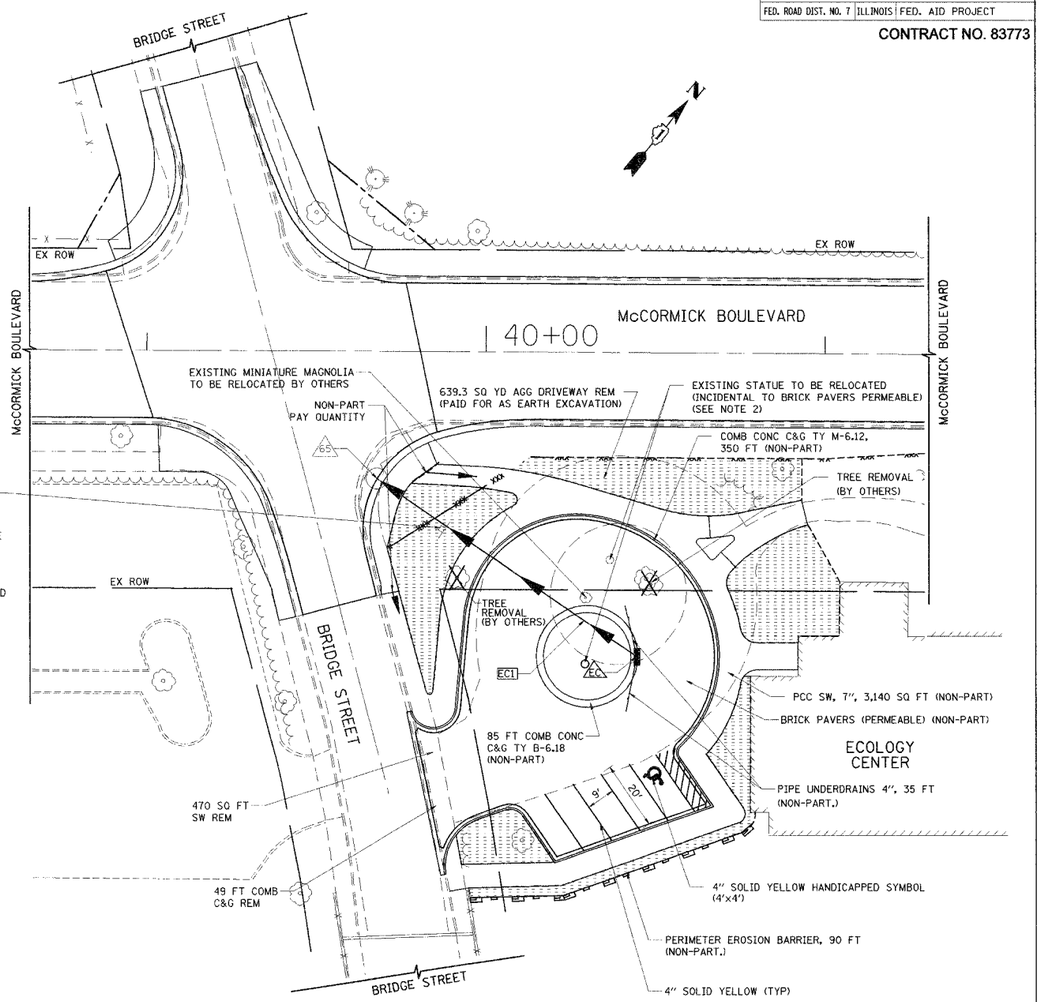
F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	34
STA	TO STA			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



GRADING PLAN

EX SIGN TO REMOVE AND RE-ERECT "LADD ARBORETUM ECOLOGY CENTER". UPON REMOVAL, THE CONTRACTOR SHALL STORE THE SIGN IN A SUITABLE INDOOR LOCATION UNTIL READY TO RE-ERECT THE SIGN AT ITS EXISTING LOCATION. INDOOR STORAGE SHALL BE INCLUDED IN THE COST OF REMOVE AND RE-ERECT EXISTING SIGN.



LANDSCAPING, PAVEMENT MARKING AND DRAINAGE PLAN

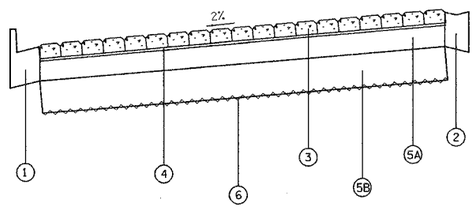
LEGEND

+XX.XX ( ) XX.XX' — STATION AND OFFSET TO PR EOP FROM ℄ OF McCORMICK BLVD (EOP PROPOSED FINISHED GRADE ELEVATION)

TOPSOIL F&P 4" SODDING

NOTES:

1. THE WORK ON THIS SHEET SHALL BE DONE DURING STAGE IV FROM AUGUST 19 TO OCTOBER 31.
2. THE CONTRACTOR SHALL STORE THE STATUE IN A SUITABLE INDOOR LOCATION UNTIL READY TO INSTALL THE STATUE AT ITS PROPOSED LOCATION. THE FINAL LOCATION WILL BE DETERMINED BY THE CITY OF EVANSTON. RELOCATION AND STORAGE OF THE STATUE SHALL BE INCIDENTAL TO BRICK PAVERS (PERMEABLE).



PROPOSED TYPICAL SECTION

① COMB CONC C&G TY B-6.18
② COMB CONC C&G TY M-6.12
③ BRICK PAVERS (PERMEABLE)
④ BEDDING SAND 1" (FA1 OR FA2)
⑤ AGGREGATE BASE COURSE 15", SPECIAL
  Ⓐ CA 15, 6"
  Ⓑ CA 6, 9"
⑥ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

REVISIONS	
NAME	DATE
CEC	5/23/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

ECOLOGY CENTER
BRICK PAVER DRIVEWAY
McCORMICK BOULEVARD

SCALE: 1"=20'

DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

TRANSYSTEMS CORPORATION
101 PERIMETER DRIVE
SUITE 105
SCHAUMBURG, IL 60173

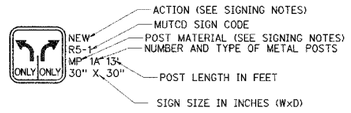
F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	35
STA 7+50	TO STA 23+00			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

SIGNING NOTES:

REM	REMOVE SIGN PANEL ASSEMBLY - TYPE A
NEW	NEW SIGN PANEL - TYPE 1 NEW POST (MATERIAL, TYPE, LENGTH SPECIFIED)
REL	RELOCATE SIGN PANEL ASSEMBLY - TYPE A NEW POST (MATERIAL, TYPE, LENGTH SPECIFIED)
MP	METAL POST
LP	LIGHT POLE
TS	TELESCOPING STEEL SIGN SUPPORT
WP	WOOD POST
TRAF	TRAFFIC SIGNAL POST

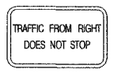
SIGNING LEGEND:



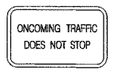
R3-8 (GOLF)

R3-8 (PRAIRIE)

R3-8 (GREEN BAY)



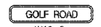
W4-4p(R)



W4-4p (O)

W9-1R

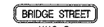
W3-3



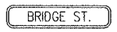
W16-8

W4-2R

R2-1



W16-8



D3-1

D3-1

D3-1

R1-1

R10-7

W3-1

S1-1

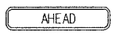
W16-7pL

W2-2R

W2-2L

R3-5R

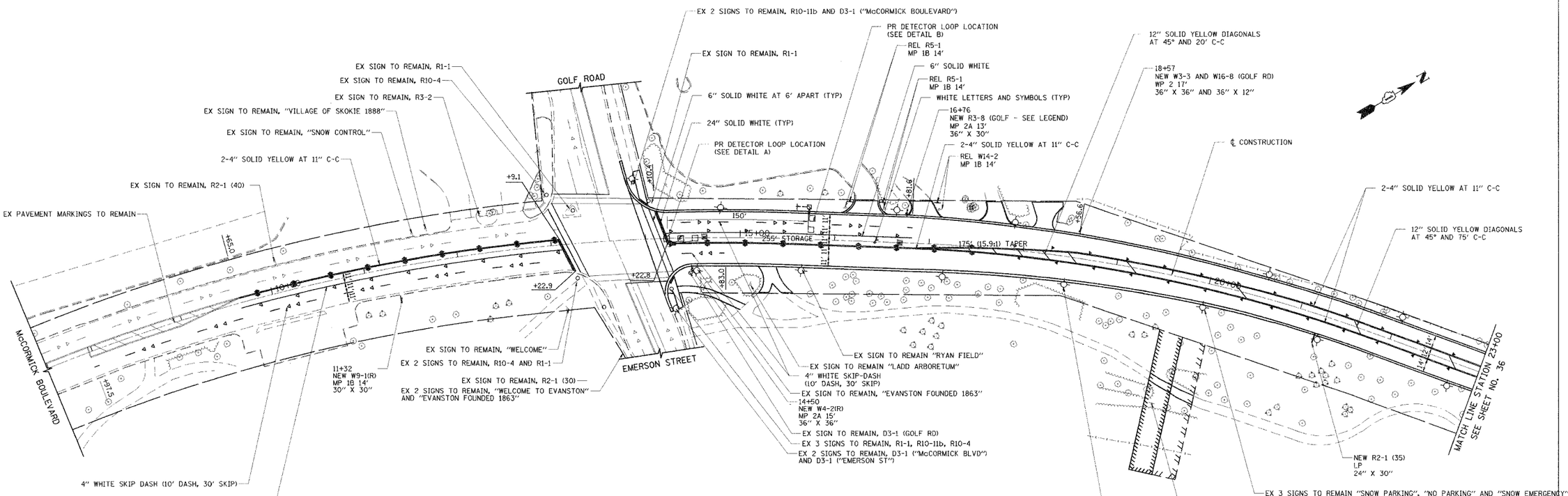
R10-11a

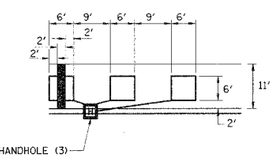


W16-9p

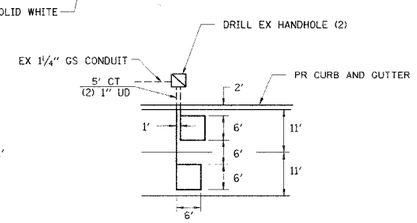
W1-7

W1-2L





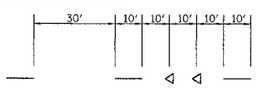
DETAIL A



DETAIL B

PAVEMENT MARKING LEGEND

PROPOSED RAISED REFLECTIVE PAVEMENT MARKERS



ONE WAY AMBER MARKER, AT 40' OC — Y/O
ONE-WAY CRYSTAL MARKER, AT 40' OC (UNLESS OTHERWISE NOTED) — W/O
TWO-WAY AMBER MARKER, AT 40' OC — Y/Y

PAVEMENT MARKING NOTES:

1. THERMOPLASTIC PAVEMENT MARKINGS SHALL BE USED ON ALL BITUMINOUS SURFACES.
2. PREFORMED PLASTIC, TYPEC, SHALL BE USED FOR ALL LETTERS & SYMBOLS PAVEMENT MARKINGS ON BITUMINOUS SURFACES.
3. FOR ADDITIONAL DETAILS SEE DISTRICT ONE TYPICAL PAVEMENT MARKINGS TC-13 AND TYPICAL APPLICATIONS OF RAISED REFLECTIVE PAVEMENT MARKING TC-11.

REVISIONS	
NAME	DATE
CEC/PAS	9/06/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING

McCORMICK BOULEVARD

STATION 7+50 TO STATION 23+00

0 25' 50'

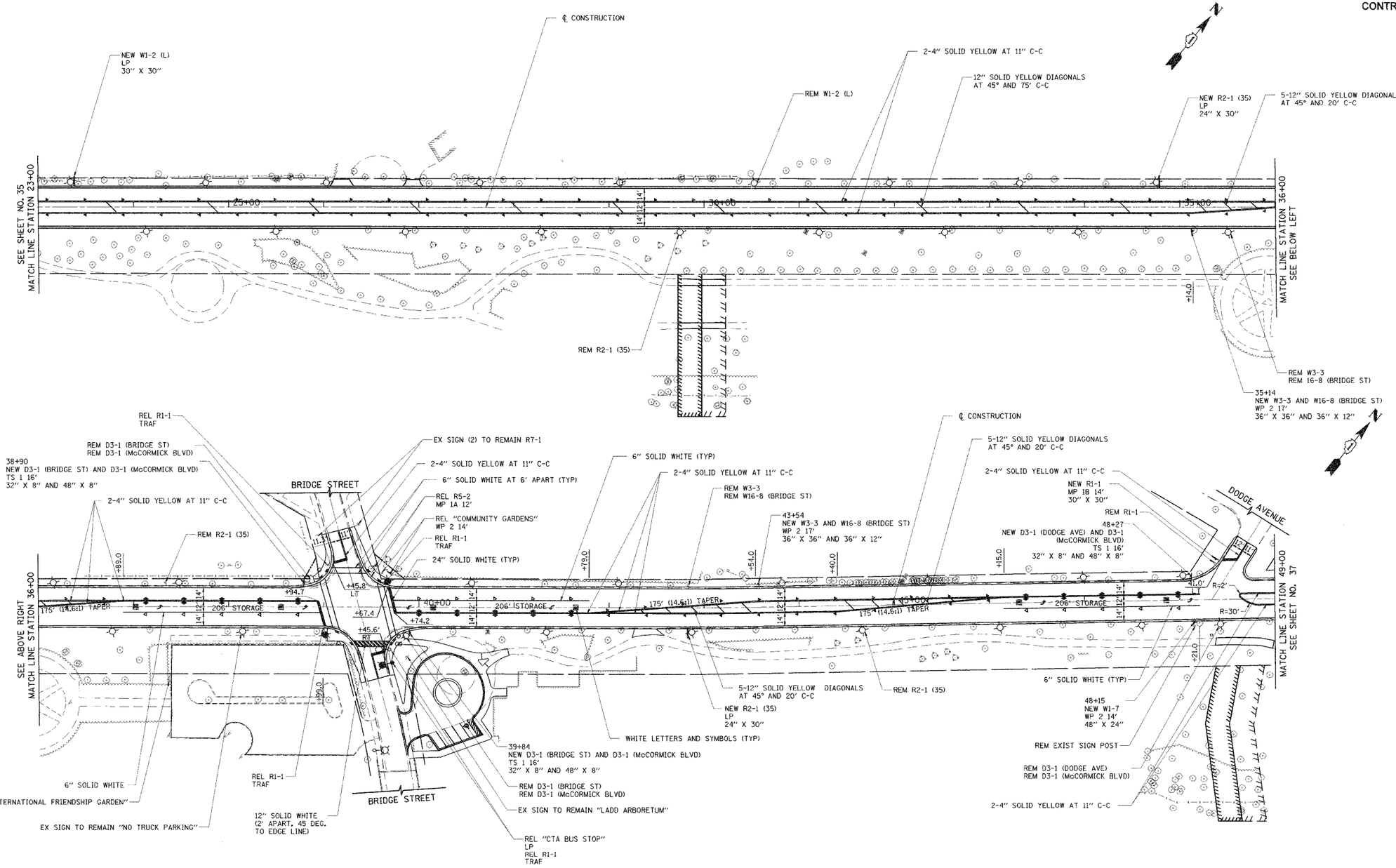
1"=50'

DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

TRANSYSTEMS CORPORATION
1051 PERIMETER DRIVE
SUITE 200
SCHAUMBURG, IL 60173

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	36
STA 23+00		TO STA 49+00		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



NOTE:

SEE SHEET NO.35 FOR NOTES AND LEGEND.

REVISIONS	
NAME	DATE
CEC/PAS	9/06/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING

McCORMICK BOULEVARD

STATION 23+00 TO STATION 49+00

0 25' 50'

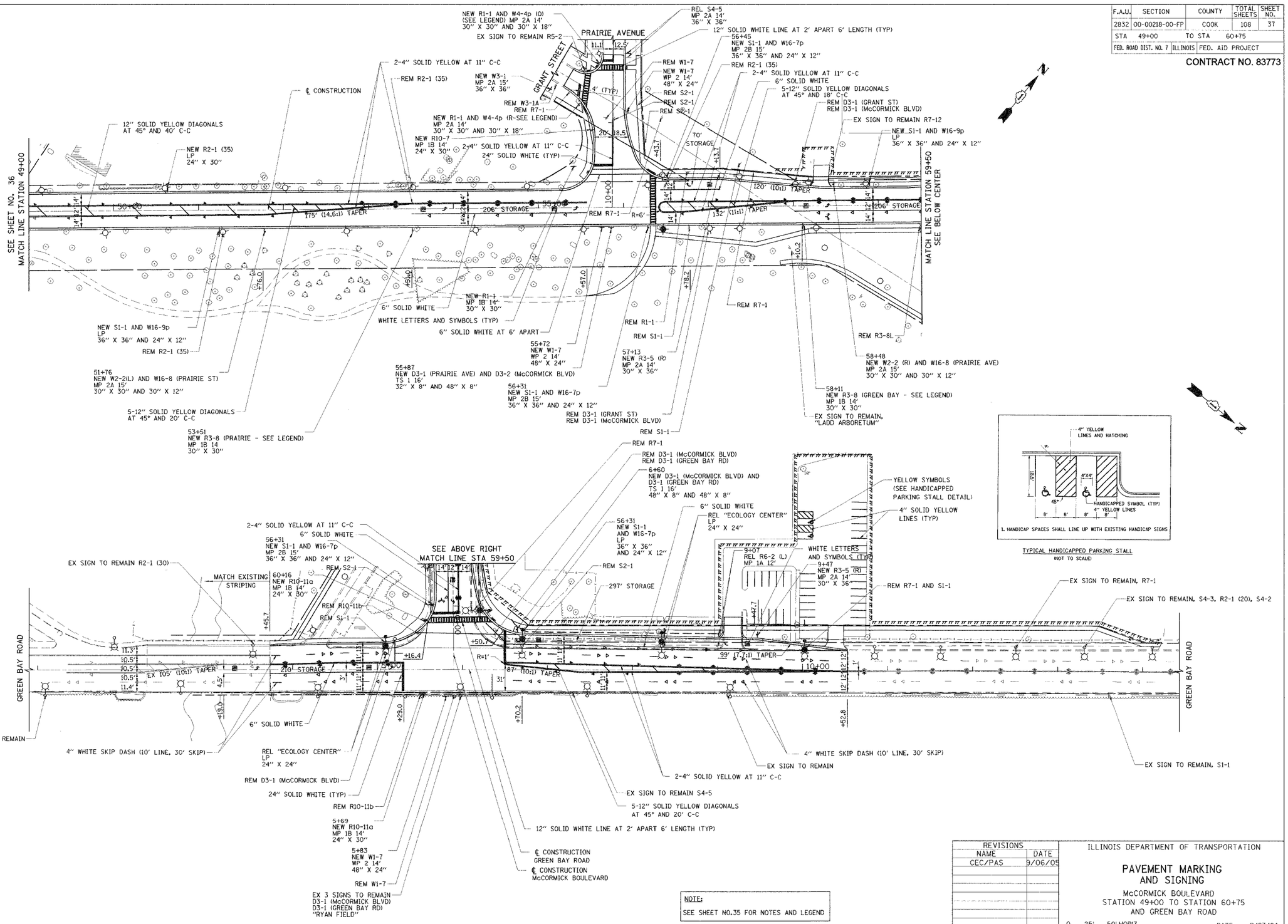
1"=50'

DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

TRANSYSTEMS CORPORATION
101 PENNSYLVANIA DRIVE
SUITE 1025
SCHAUMBURG, IL 60173

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	37
STA 49+00	TO STA 60+75			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



NOTE:
SEE SHEET NO.35 FOR NOTES AND LEGEND

REVISIONS	
NAME	DATE
CEC/PAS	9/06/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNING

McCORMICK BOULEVARD
STATION 49+00 TO STATION 60+75
AND GREEN BAY ROAD

0 25' 50' HORIZ
0 1"=50' 5' VERT

DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

TRANSYSTEMS CORPORATION
10151 PERIMETER DRIVE
SUITE 1025
SCHAUMBURG, IL 60173

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	38
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE UNIT DUCT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). UNIT DUCT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

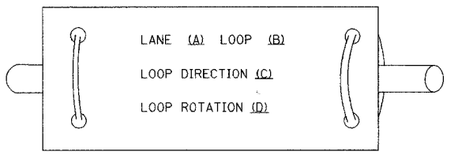
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

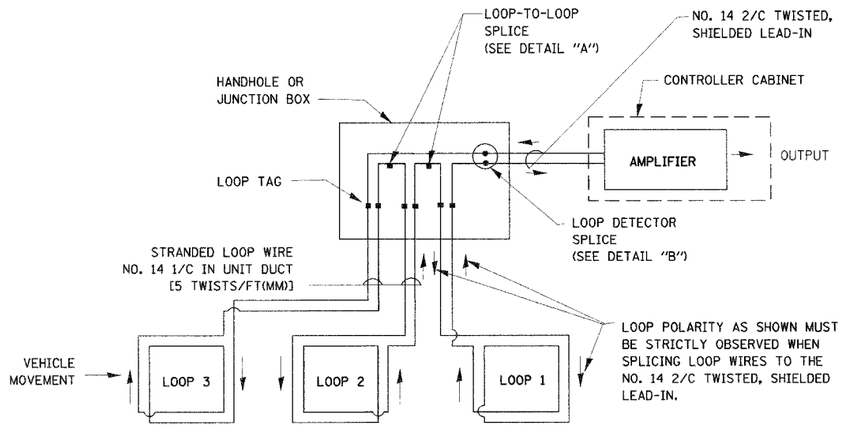


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

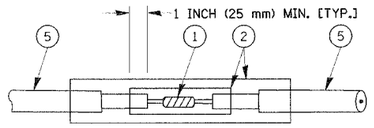
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

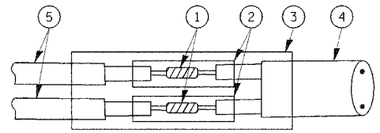


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

(1) WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.

(2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.

(3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.

(4) NO. 14 2/C TWISTED, SHIELDED CABLE.

(5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.

REVISIONS	
NAME	DATE
CADD	5/30/00
ADD NOTE NO. 8	11/12/01
BUREAU OF TRAFFIC	1-01-02

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL
DESIGN DETAILS

SCALE: VERT. NONE
HORIZ.
DATE $$DATE$$

DRAWN BY: RWP
DESIGNED BY: DAD
CHECKED BY: DAZ
SHEET 1 OF 4

DATE-TIME
DGN-SPEC
VI-1.S05
USER

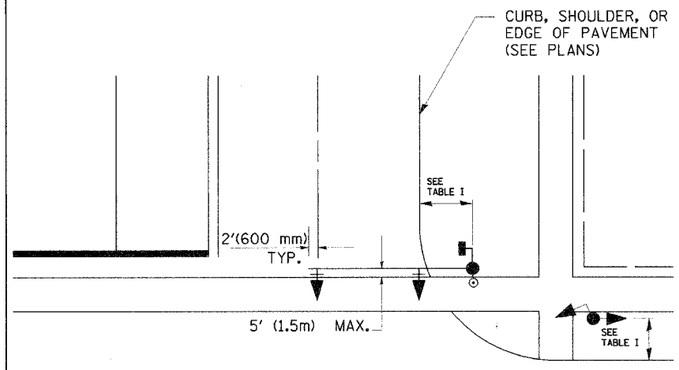
REVISION DATE: 01/01/02

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	39
STA. _____	TO STA._____			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

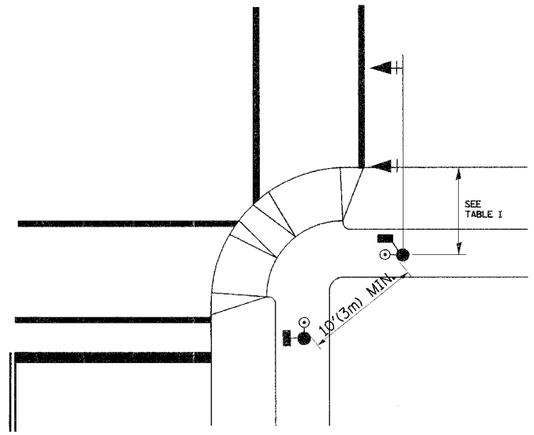
CONTRACT NO. 83773

TRAFFIC SIGNAL MAST ARM AND POST

MAST ARM MOUNTED SIGNAL IN PROPOSED & FUTURE SIDEWALK AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNAL AND PUSHBUTTON DETECTOR



PEDESTRIAN SIGNAL PUSHBUTTON



RECOMMENDED PUSHBUTTON LOCATIONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHALL BE IN ACCORDANCE WITH THE CURRENT MUTCD (SEE NOTE 1). TO MEET MUTCD REQUIREMENTS, PEDESTRIAN SIGNAL PUSHBUTTONS MAY HAVE TO BE MOUNTED ON A SEPARATE POST.

NOTES:

1. AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS WITH PEDESTRIAN ACTUATION. EACH PUSHBUTTON SHALL ACTIVATE BOTH THE WALK INTERVAL AND THE ACCESSIBLE PEDESTRIAN SIGNALS.

   AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS, PUSHBUTTONS SHOULD CLEARLY INDICATE WHICH CROSSWALK SIGNAL IS ACTUATED BY EACH PUSHBUTTON. PUSHBUTTONS AND TACTILE ARROWS SHOULD HAVE HIGH VISUAL CONTRAST (SEE THE DEPARTMENT OF JUSTICE'S AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN, 1991). TACTILE ARROWS SHOULD POINT IN THE SAME DIRECTION AS THE ASSOCIATED CROSSWALK. AT CORNERS OF SIGNALIZED LOCATIONS WITH ACCESSIBLE PEDESTRIAN SIGNALS WHERE PEDESTRIAN PUSHBUTTONS ARE PROVIDED, THE PUSHBUTTONS SHOULD BE SEPARATED BY THE DISTANCE OF AT LEAST 10 FT (3m). THIS ENABLES PEDESTRIANS WHO HAVE VISUAL DISABILITIES TO DISTINGUISH AND LOCATE THE APPROPRIATE PUSHBUTTON.

   PUSHBUTTONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHOULD BE LOCATED AS FOLLOWS:

   A: ADJACENT TO A LEVEL ALL-WEATHER SURFACE TO PROVIDE ACCESS FROM A WHEELCHAIR, AND WHERE THERE IS AN ALL WEATHER SURFACE, WHEELCHAIR ACCESSIBLE ROUTE TO THE RAMP.

   B: WITHIN 5 FT (1.5m) OF THE CROSSWALK EXTENDED.

   C: WITHIN 10 FT (3m) OF THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

   D: PARALLEL TO THE CROSSWALK TO BE USED (SEE MUTCD FIGURE 4E-2).

   E: NORMAL PEDESTRIAN PUSHBUTTON MOUNTING HEIGHT SHOULD BE 3.5 FT (1.05m) ABOVE ADJACENT SIDEWALK

2. PEDESTRIAN SIGNAL FACES SHALL BE MOUNTED WITH THE BOTTOM OF THE HOUSING NOT LESS THAN 8 FT (2.4m) NOR MORE THAN 10 FT (3.0m) ABOVE THE SIDEWALK LEVEL AND SO THERE IS A PEDESTRIAN INDICATION IN THE LINE OF PEDESTRIANS' VISION WHICH PERTAINS TO THE CROSSWALK BEING USED.

3. THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, NOT MOUNTED OVER A ROADWAY, SHALL BE AT LEAST 10 FT (3.0m) BUT NOT MORE THAN 15 FT (4.5m) ABOVE THE SIDEWALK OR, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE HIGHWAY IF NO SIDEWALKS EXIST.

4. THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, MOUNTED OVER A ROADWAY, SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001 AND 877006. (16 FT (5m) MIN., 18 FT (5.5m) MAX., FROM HIGHEST POINT OF PAVEMENT)

PEDESTRIAN SIGNAL POST

PEDESTRIAN SIGNAL HEAD AND PEDESTRIAN PUSHBUTTON DETECTOR LOCATION

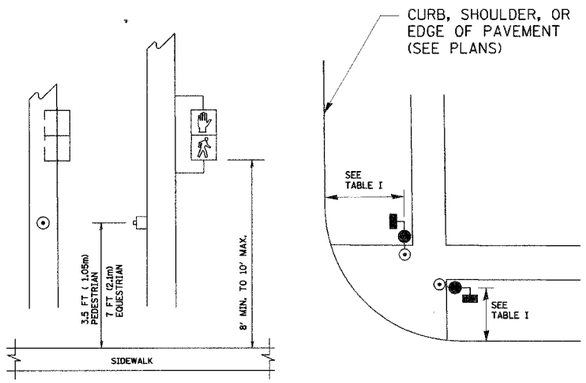


TABLE I

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MIN. DIST. FROM BACK OF CURB)	SHOULDER/NON-CURBED AREA (MIN. DIST. FROM EDGE OF PAVEMENT)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN PUSHBUTTON	SEE NOTE 1	SEE NOTE 1

REVISIONS	
NAME	DATE
BUREAU OF TRAFFIC	1/01/02

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT 1

STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: VERT. NONE
DATE **DATE**

DRAWN BY: RWP
DESIGNED BY: DAD
CHECKED BY: DAZ
SHEET 2 OF 4

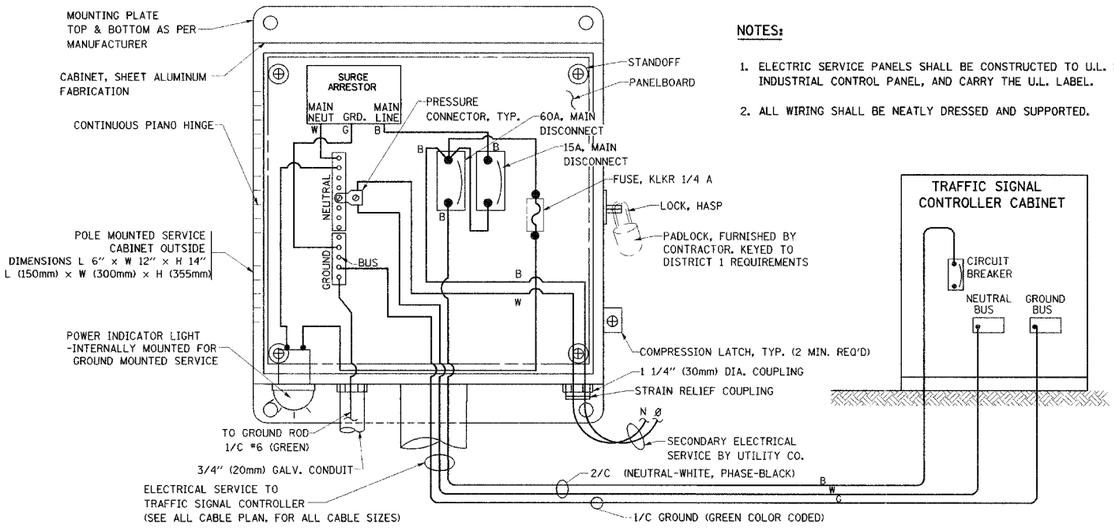
TS05

REVISION DATE: 01/01/02

DATE-TIME
DGN-SPEC
V:\TS05
USER

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	40
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



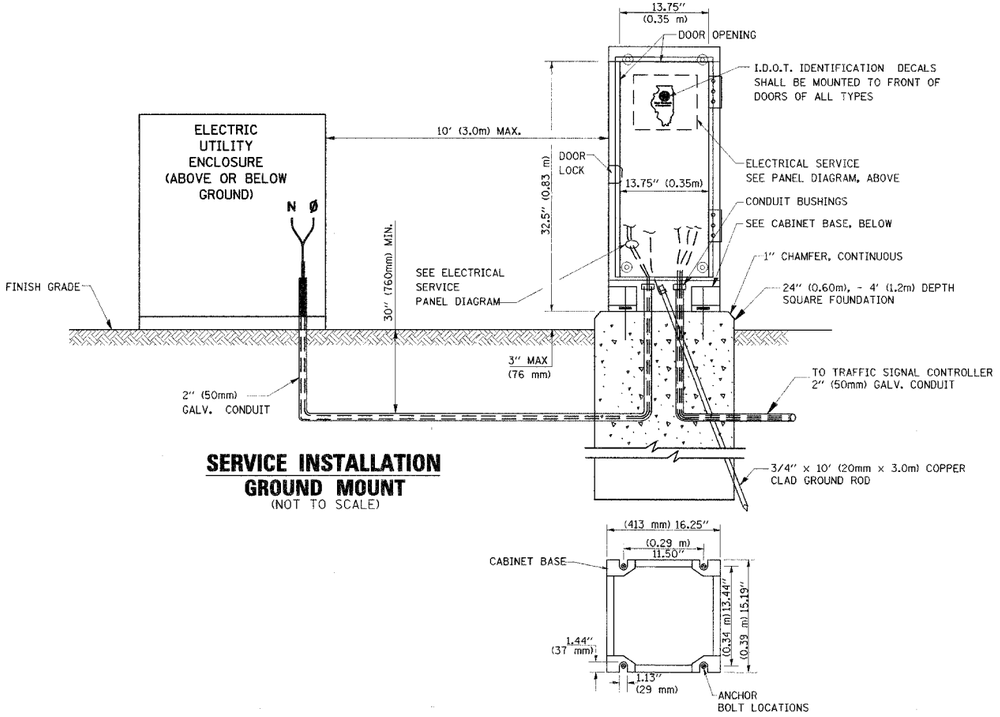
ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

NOTES:

1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

SERVICE INSTALLATION POLE MOUNT (SHOWN)

(NOT TO SCALE)

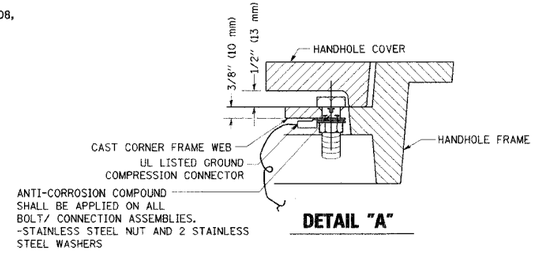


SERVICE INSTALLATION GROUND MOUNT

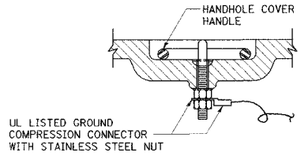
(NOT TO SCALE)

CABINET – BASE BOLT PATTERN

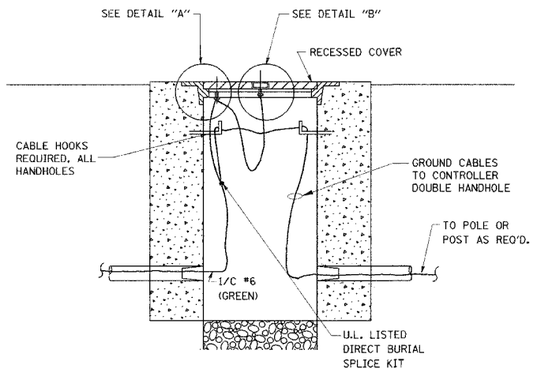
(NOT TO SCALE)



DETAIL "A"

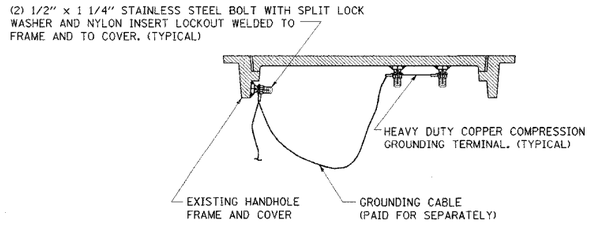


DETAIL "B"



HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



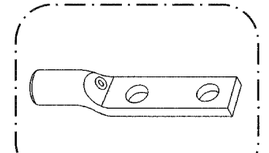
EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)

NOTES:

GROUNDING SYSTEM

1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

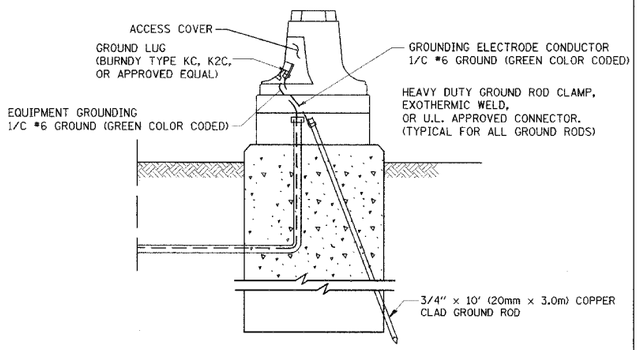


HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)

3/4" (20mm) HEAVY-DUTY GROUND ROD CLAMP (BURNDY TYPE GRC OR APPROVED EUAL)

NOTES:

- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES
  6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES
  13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES.
  5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



MAST ARM POLE / POST–GROUNDING DETAIL

(NOT TO SCALE)

REVISIONS	
NAME	DATE
CADD	5/30/00
CADD	3/15/01
BUREAU OF TRAFFIC	1/01/02

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT 1

STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: VERT. NONE HORIZ.

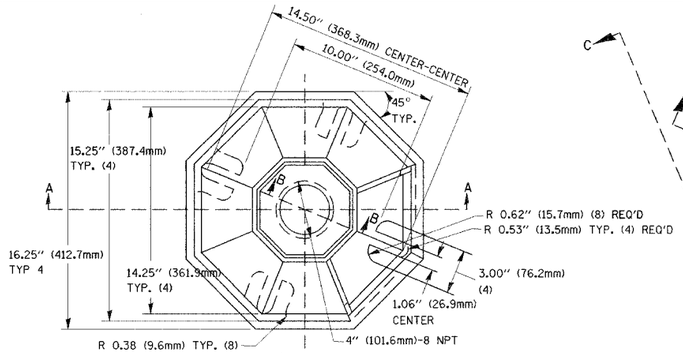
DATE $$DATE$$

DRAWN BY: RWP
DESIGNED BY: DAD
CHECKED BY: DAZ
SHEET 3 OF 4

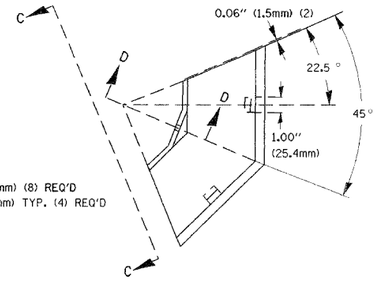
TS05

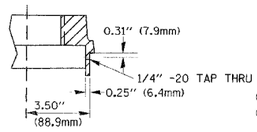
DATE-TIME
DGN-SPEC
VI-TS05
USER

REVISION DATE: 01/01/02

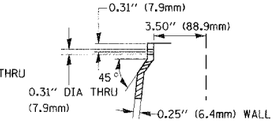


TOP VIEW

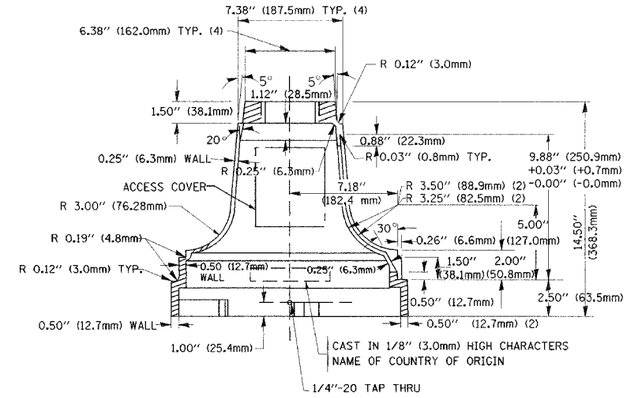




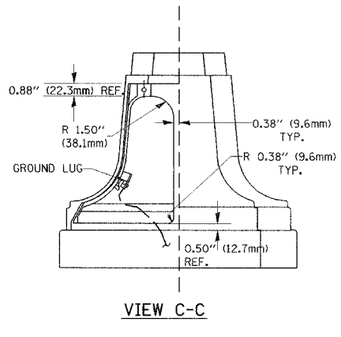
SECTION B-B



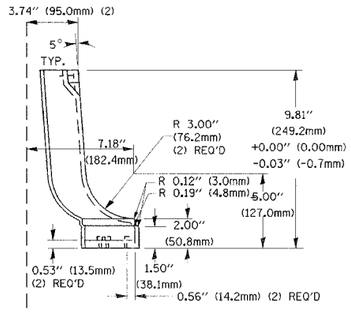
SECTION D-D



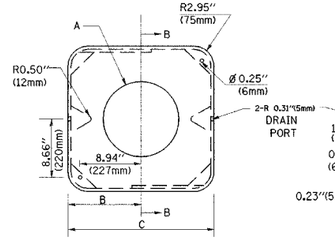
SECTION A-A



VIEW C-C



TRAFFIC SIGNAL POST - MOUNTING BASE - TYPE A



TYPE	A	B	C	HEIGHT	WEIGHT
I	Ø 10.125" (257mm)	9.5" (241mm	19" (483mm)	12" (300mm)	24kg
II	Ø 11.125" (283mm)	10.75" (273mm)	21.5" (546mm)	12" (300mm)	26kg

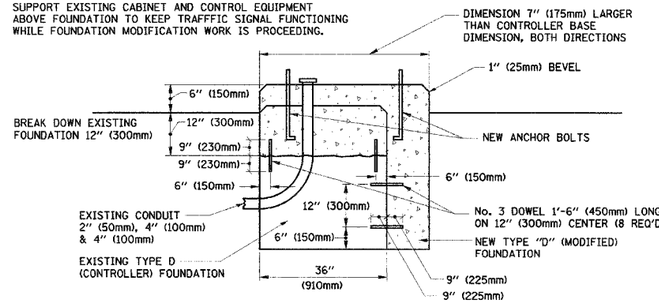
SHROUD DETAIL

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	41
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

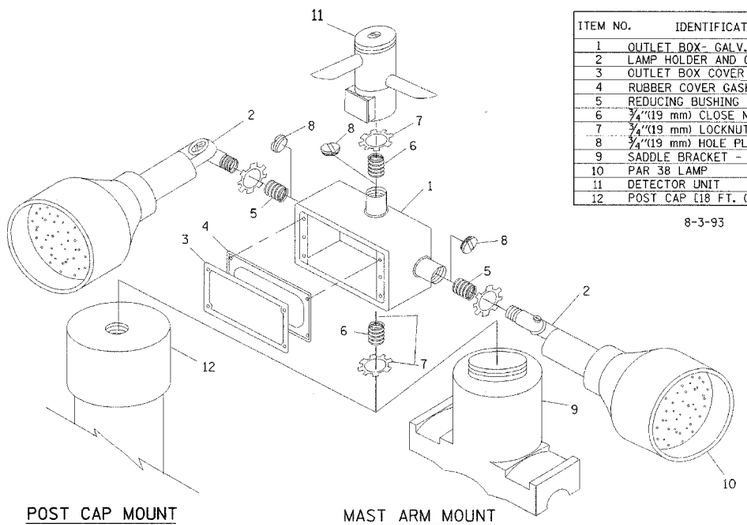
MATERIAL:
- ASTM A48 CLASS 30 GREY IRON
- ASTM A123 HOT DIPPED GALVANIZED

NOTE:
SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION

(NOT TO SCALE)



ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	¾"(19 mm) CLOSE NIPPLE
7	¾"(19 mm) LOCKNUT
8	¾"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	PAR 38 LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

8-3-93

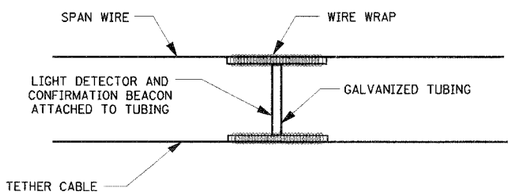
POST CAP MOUNT

MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
   ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
   ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A ¾"(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.

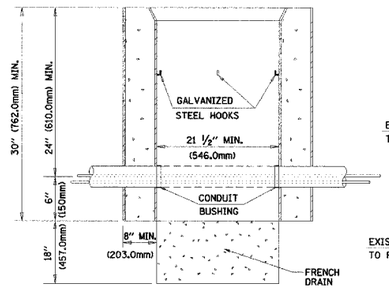


LIGHT DETECTOR AND CONFIRMATION BEACON MOUNTING FOR TEMPORARY TRAFFIC SIGNALS

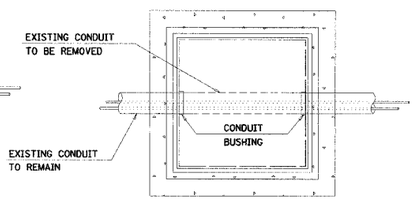
(NOT TO SCALE)

NOTES:

1. REMOVAL OF EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHING SHALL BE INCIDENTAL TO THE HANDHOLE.



ELEVATION



PLAN

DETAIL
HANDHOLE TO INTERCEPT EXISTING CONDUIT
N.T.S.

REVISIONS	
NAME	DATE
BUREAU OF TRAFFIC	5/30/00
BUREAU OF TRAFFIC	3/15/01
BUREAU OF TRAFFIC	11/12/01
BUREAU OF TRAFFIC	1-01-02

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT 1

STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: VERT. NONE HORIZ.

DATE $$DATE$$

DRAWN BY: RWP
DESIGNED BY: DAD
CHECKED BY: DAZ
SHEET 4 OF 4

TS05

REVISION DATE: 01/01/02

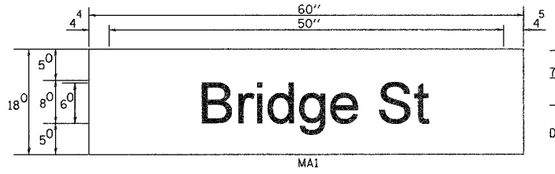
DATE-TIME
DGN-SPEC
VI-TS05
USER

RECD FROM DL 1/5/83--CEL CREATED 7/18/83

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2832	00-00218-00-FP	COOK	108	42
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

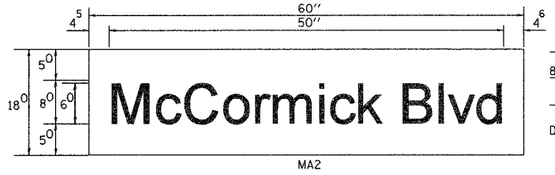
CONTRACT NO. 83773

PANEL SIGN DESIGN TYPE 1



MA1

___ Sq. M. each
7.50 Sq. Ft. each
2 Required
Design Series D



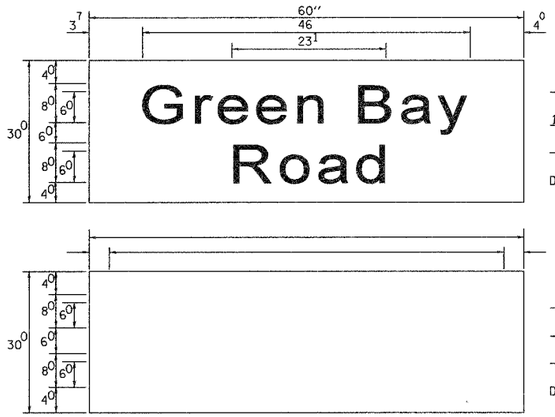
MA2

___ Sq. M. each
8.25 Sq. Ft. each
4 Required
Design Series D

NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS

PANEL SIGN DESIGN TYPE 2

MAST ARM STREET NAME SIGNS SHALL BE DIAMOND GRADE REFLECTIVE SHEETING. THIS WORK SHALL BE PAID FOR AS SIGN PANEL, TYPE 1.

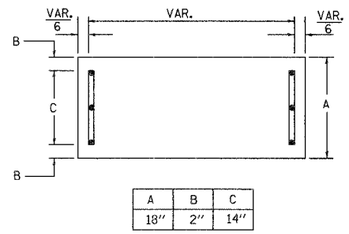


___ Sq. M. each
12.5 Sq. Ft. each
1 Required
Design Series D

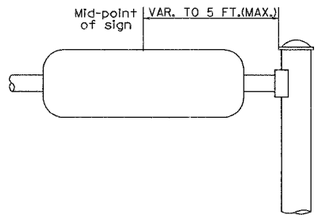
___ Sq. M. each
___ Sq. Ft. each
___ Required
Design Series ___

A	B	C
18″	2″	12″
30″	2″	22″

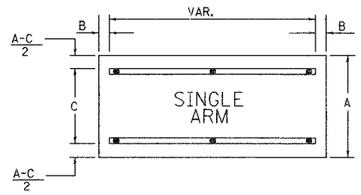
SUPPORTING CHANNELS



A	B	C
18″	2″	14″



SUPPORTING CHANNELS



A	B	C
18″	2″	14″
30″	2″	22″

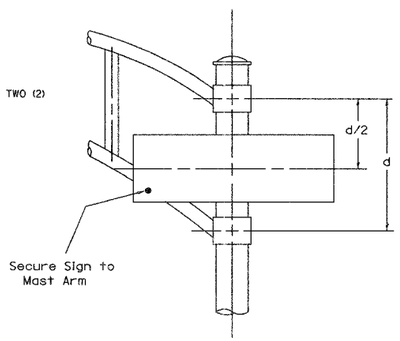
GENERAL NOTES

1. WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 834001, 834006 AND 834011, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 6'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
2. ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND, TYPE A SHEETING.
3. THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 6'-0".
4. ALL BORDERS SHALL BE ¾" WIDE AND CORNER RADIUS SHALL BE 2-¼".
5. SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS. LOCAL SUPPLIERS OF THE SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:
   - A.K.T. CORPORATION, SCHAUMBURG, IL
   - AMERICAN FABRICATION CO., CHICAGO HEIGHTS, IL
   - TUCKER COMPANY, INC., WAUWATOSA, WI
   - WESTERN TRAFFIC CONTROL INC., CICERO, IL

PARTS LISTING

SIGN CHANNEL	PART #HPN053 (MED. CHANNEL)
SIGN SCREWS	¼" x 14 x 1" H.W.H. #3 SELF TAPPING WITH NEOPRENE WASHER
BRACKETS	PART #HPN034 (UNIVERSAL) CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.



DUAL ARM

SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM
Shall be used. See Note #5.

Upper Case to Lower Case
Spacing Chart 8-6 Inch Series "C & D"

EXAMPLE, 2 (3) DENOTES 3″/8

FIRST LETTER	SECOND LETTER: a c d e g o q		b h i k l m n p r u		f w		j		s t		v y		x		z	
SERIES	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
A W X	1²	1⁴	1⁴	1⁵	1²	1⁴	0⁶	1⁰	1¹	1⁴	0⁶	1⁰	1¹	1²	1²	1⁴
B	1⁴	1⁵	2⁰	2¹	1⁴	1⁵	1¹	1²	1⁴	1⁵	1²	1⁴	1²	1⁴	1⁶	1⁷
C E G	1⁴	1⁵	2⁰	2¹	1²	1⁴	0⁶	1⁰	1²	1⁴	1²	1⁴	1⁴	1⁵	1⁴	1⁵
D O Q R	1⁴	1⁵	2⁰	2¹	1⁴	1⁵	0⁶	1⁰	1²	1⁴	1²	1⁴	1⁴	1⁵	1⁴	1⁵
F	0⁵	0⁶	1⁴	1⁵	0⁶	1⁰	0⁵	0⁶	0⁶	1⁰	0⁶	1⁰	0⁶	1⁰	1¹	1²
H I M N	2⁰	2¹	2²	2⁴	2⁰	2¹	1⁴	1⁵	1⁶	1⁷	1⁶	1⁷	2⁰	2¹	2⁰	2¹
J U	2⁰	2¹	2⁰	2¹	1⁶	1⁷	1⁴	1⁵	1⁶	1⁷	1⁶	1⁷	1⁶	1⁷	2⁰	2¹
K L	1¹	1²	1⁶	1⁷	1¹	1²	0⁵	0⁶	1¹	1²	1¹	1²	1¹	1²	1²	1⁴
P	1²	1⁴	1⁴	1⁵	1²	1⁴	0⁵	0⁶	1¹	1²	1¹	1²	1²	1⁴	1²	1⁴
S	1²	1⁴	1⁶	1⁷	1²	1⁴	0⁶	1⁰	1²	1⁴	1²	1⁴	1²	1⁴	1²	1⁴
T	1¹	1²	1⁶	1⁷	0⁶	1⁰	0⁶	1⁰	1¹	1²	1¹	1²	1¹	1²	1²	1⁴
V	0⁶	1⁰	1⁴	1⁵	1¹	1²	0⁶	1⁰	1²	1⁴	1²	1⁴	1²	1⁴	1²	1⁴
Y	0⁵	0⁶	1⁴	1⁵	0⁶	1⁰	0⁵	0⁶	0⁵	0⁷	0⁵	0⁶	0⁶	1⁰	1¹	1²
Z	1⁶	1⁷	2²	2⁴	1⁶	1⁷	1²	1⁴	1⁶	1⁷	1⁶	1⁷	1⁶	1⁷	2⁰	2¹

Lower Case to Lower Case
Spacing Chart 6 Inch Series "C & D"

FIRST LETTER	SECOND LETTER: a c d e g o q		b h i k l m n p r u		f w		j		s t		v y		x		z	
SERIES	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
a d h g i j l m n q u	1⁶	1⁷	2²	2⁴	1⁶	1⁷	1²	1⁴	1⁴	1⁵	1⁴	1⁵	1⁶	1⁷	1⁶	1⁷
b f k o p s	1²	1⁴	1⁶	1⁷	1¹	1²	0⁵	0⁶	1¹	1²	1¹	1²	1²	1⁴	1²	1⁴
c e	1²	1⁴	1⁶	1⁷	1²	1⁴	0⁶	1⁰	1²	1⁴	1²	1⁴	1²	1⁴	1²	1⁴
r	0⁶	1⁰	1²	1⁴	0⁶	1⁰	0³	0³	0⁵	0⁶	0⁵	0⁶	0⁶	1⁰	0⁶	1⁰
t z	1²	1⁴	1⁶	1⁷	1²	1⁴	0⁶	1⁰	1¹	1²	1¹	1²	1²	1⁴	1²	1⁴
v y	1¹	1²	1⁴	1⁵	1¹	1²	0⁵	0⁶	0⁶	1⁰	0⁶	1⁰	1¹	1²	1¹	1²
w	1¹	1²	1⁴	1⁵	1¹	1²	0⁵	0⁶	1¹	1²	1¹	1²	1²	1⁴	1²	1⁴
x	1²	1⁴	1⁶	1⁷	1¹	1²	0⁵	0⁶	1¹	1²	1¹	1²	1¹	1²	1²	1⁴

Number to Number
Spacing Chart 8 Inch Series "C & D"

FIRST NUMBER	SECOND NUMBER: 0		1		2		3		4		5		6		7		8		9	
SERIES	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
0 9	1⁶	1⁷	1⁶	1⁷	1⁴	1⁵	1²	1⁴	1⁴	1⁵	1⁴	1⁵	1⁶	1⁷	1²	1⁴	1⁶	1⁷	1⁶	1⁷
1	2⁰	2¹	2⁰	2¹	2⁰	2¹	1⁶	1⁷	1⁴	1⁵	2⁰	2¹	2⁰	2¹	1⁴	1⁵	2⁰	2¹	2⁰	2¹
2 3 4	1⁴	1⁵	1⁴	1⁵	1⁴	1⁵	1²	1⁴	1²	1⁴	1⁴	1⁵	1⁴	1⁵	1¹	1²	1⁶	1⁷	1⁴	1⁵
5	1⁴	1⁵	1⁴	1⁵	1⁴	1⁵	1¹	1²	1¹	1²	1⁴	1⁵	1⁴	1⁵	1¹	1²	1⁴	1⁵	1⁴	1⁵
6	1⁶	1⁷	1⁴	1⁵	1⁴	1⁵	1²	1⁵	1²	1⁴	1⁴	1⁵	1⁴	1⁵	1¹	1²	1⁴	1⁵	1⁴	1⁵
7	1²	1⁴	1²	1⁴	1⁴	1⁵	1²	1⁵	0⁵	0⁶	1²	1⁴	1⁴	1⁵	1¹	1²	1⁴	1⁵	1²	1⁴
8	1⁶	1⁷	1⁶	1⁷	1⁴	1⁵	1²	1⁵	1²	1⁴	1⁴	1⁵	1⁶	1⁷	1²	1⁴	1⁶	1⁷	1⁴	1⁵

UPPER AND LOWER CASE LETTER WIDTHS

LETTERS	6 INCH UPPER CASE LETTERS, SERIES C	6 INCH UPPER CASE LETTERS, SERIES D	8 INCH UPPER CASE LETTERS, SERIES C	8 INCH UPPER CASE LETTERS, SERIES D	LETTERS	6 INCH LOWER CASE LETTERS, SERIES C	6 INCH LOWER CASE LETTERS, SERIES D
A	3⁶	5⁰	5⁰	6⁵	a	3⁵	4²
B	3²	4⁰	4³	5³	b	3⁵	4²
C	3²	4⁰	4³	5³	c	3⁵	4¹
D	3²	4⁰	4³	5³	d	3⁵	4²
E	3⁰	3⁵	4⁰	4⁷	e	3⁵	4²
F	3⁰	3⁵	4⁰	4⁷	f	2³	2⁶
G	3²	4⁰	4³	5³	g	3⁵	4²
H	3²	4⁰	4³	5³	h	3⁵	4²
I	0⁷	0⁷	1¹	1²	i	1¹	1¹
J	3⁰	3⁶	4⁰	5⁰	j	2⁰	2²
K	3²	4¹	4³	5⁴	k	3⁵	4²
L	3⁰	3⁵	4⁰	4⁷	l	1¹	1¹
M	3⁷	4⁵	5¹	6¹	m	6⁰	7⁰
N	3²	4⁰	4³	5³	n	3⁵	4²
O	3⁴	4²	4⁵	5⁵	o	3⁶	4³
P	3²	4⁰	4³	5³	p	3⁵	4²
Q	3⁴	4²	4⁵	5⁵	q	3⁵	4²
R	3²	4⁰	4³	5³	r	2⁶	3²
S	3²	4⁰	4³	5³	s	3⁶	4²
T	3⁰	3⁵	4⁰	4⁷	t	2⁷	3²
U	3²	4⁰	4³	5³	u	3⁵	4²
V	3⁵	4⁴	4⁷	6⁰	v	4²	4⁷
W	4⁴	5²	6⁰	7⁰	w	5⁵	6⁴
X	3⁴	4⁰	4⁵	5³	x	4⁴	5¹
Y	3⁶	5⁰	5⁰	6⁶	y	4⁶	5³
Z	3²	4⁰	4³	5³	z	3⁶	4³

NUMBER	6 INCH SERIES, C	6 INCH SERIES, D	8 INCH SERIES, C	8 INCH SERIES, D
1	1²	1⁴	1⁵	2⁰
2	3²	4⁰	4³	5³
3	3²	4⁰	4³	5³
4	3⁵	4³	4⁷	5⁷
5	3²	4⁰	4³	5³
6	3²	4⁰	4³	5³
7	3²	4⁰	4³	5³
8	3²	4⁰	4³	5³
9	3²	4⁰	4³	5³
0	3⁴	4²	4⁵	5⁵

TRANSYSTEMS CORPORATION
1001 FEATHERSTONE DRIVE
SUITE 100
SCHAUMBURG, IL 60173

DATE-TIME
DGN-SPEC
WATSOE
USER

REVISIONS	
NAME	DATE
CREATED	2/79
D.A.Z./ D.A.G.	11/90
	6/98
CADD	10/00

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT 1
MAST ARM MOUNTED STREET NAME SIGNS

SCALE: NONE
DRAWN BY TJR
DATE 9/03/04
CHECKED BY RFK
TS 2

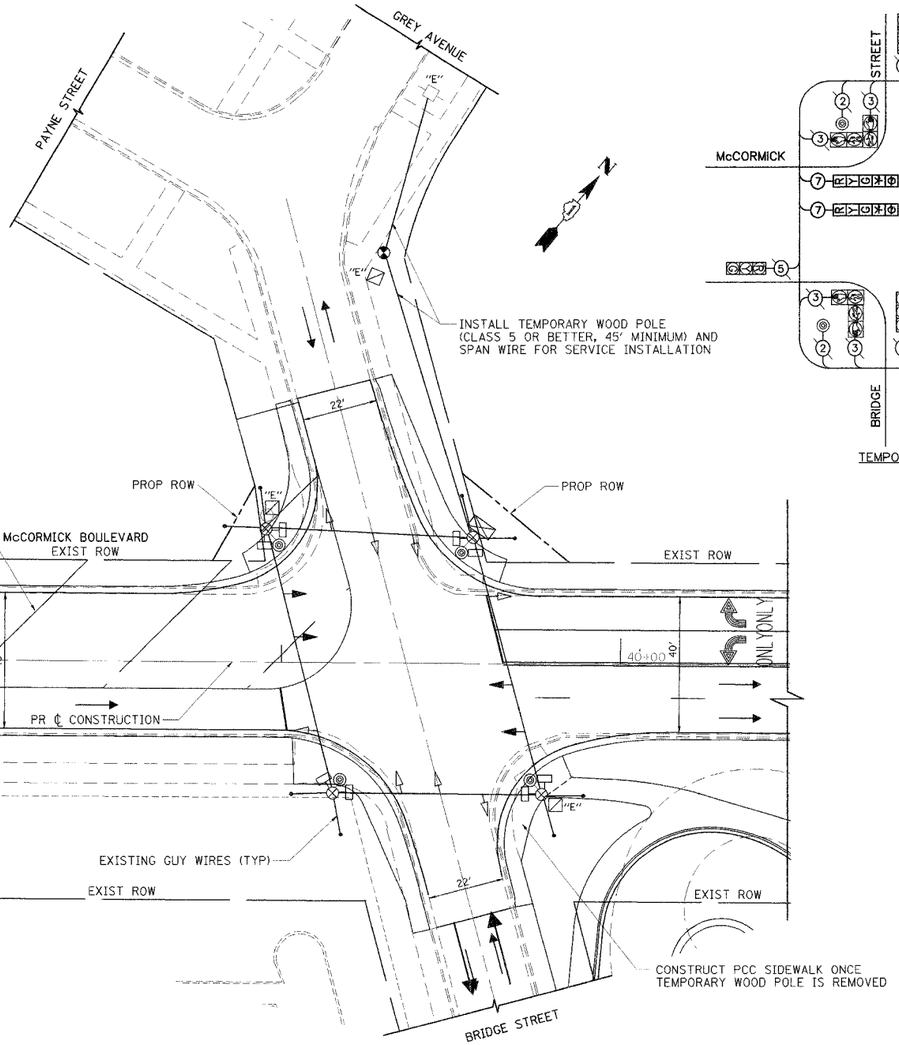
REVISION DATE: 10/01/90

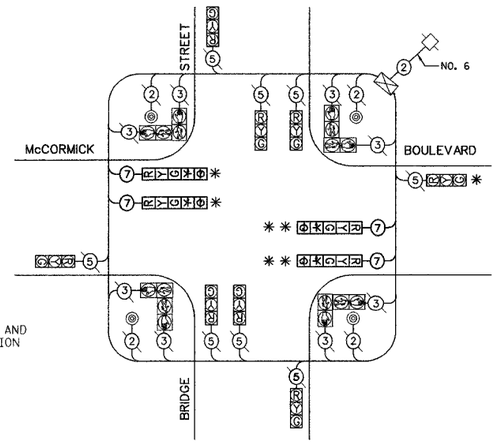
F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	43
STA		TO STA		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

NOTES:

1. THE EXISTING TEMPORARY TRAFFIC SIGNAL INSTALLATION SHALL BE MAINTAINED DURING CONSTRUCTION. THIS WORK SHALL BE PAID FOR AS "MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION."
2. THE CONTRACTOR SHALL VERIFY QUANTITY OF EXISTING SIGNAL CABLE SLACK ON SPAN WIRE TO DETERMINE IF ENOUGH CABLE SLACK IS PROVIDED TO RELOCATE THE EXISTING SIGNAL HEADS TO ANY POSITION ON THE SPAN LINE AS REQUIRED FOR CONSTRUCTION STAGING. ANY ADDITIONAL CABLE SHALL BE INCIDENTAL TO THE COST OF "MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION."
3. THE CONTRACTOR SHALL FURNISH THE 5-SECTION SIGNAL HEADS AND CABLE FOR MCCORMICK BOULEVARD. THE SIGNAL HEADS AND CABLE SHALL BE INCLUDED IN THE COST OF "MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION."
4. THE TEMPORARY SERVICE INSTALLATION SHALL BE REMOVED ONCE THE PERMANENT TRAFFIC SIGNAL INSTALLATION IS OPERATIONAL. REMOVAL OF THE EXISTING TEMPORARY TRAFFIC SIGNAL EQUIPMENT SHALL BE PAID FOR AS "REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT."





TEMPORARY CABLE DIAGRAM

TEMPORARY CABLE DIAGRAM LEGEND

- TEMPORARY TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION, 12"
- EXISTING TRAFFIC SIGNAL SECTION OR PEDESTRIAN SIGNAL SECTION, 12"
- EXISTING CONTROLLER CABINET
- EXISTING SERVICE INSTALLATION
- INDICATES NUMBER OF CONDUCTORS IN CABLE. ALL CABLES NUMBER 14 AWG WIRE UNLESS OTHERWISE NOTED.
- EXISTING PEDESTRIAN PUSH BUTTON
- EXISTING PEDESTRIAN SIGNAL SECTION

NOTES:

PUSHBUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4
PUSHBUTTON "B" SHALL PLACE A CALL IN PHASES 2 AND 8
PUSHBUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8
PUSHBUTTON "D" SHALL PLACE A CALL IN PHASES 4 AND 6

TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY TRAFFIC SIGNAL HEAD, SPAN WIRE MOUNTED
- EXISTING SIGNAL HEAD
- "E" EXISTING SERVICE INSTALLATION (SEE NOTE 3)
- EXISTING WOOD POLE
- EXISTING CONTROLLER AND FOUNDATION
- "E" EXISTING HANDHOLE TO BE REMOVED
- EXISTING PEDESTRIAN PUSHBUTTON DETECTOR
- EXISTING PEDESTRIAN SIGNAL HEAD
- EXISTING SPAN WIRE, TETHER WIRE, AND CABLE

NOTES FOR EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: CITY OF EVANSTON

1 CONTROLLER AND CABINET (COMPLETE)
2 INDUCTIVE LOOP DETECTOR AMPLIFIERS

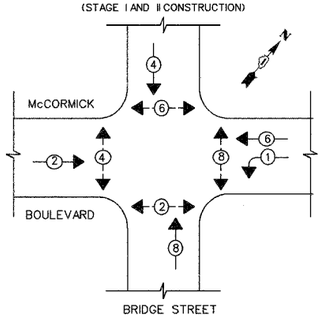
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF BY HIM AT HIS EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL REFLECTED IN THE CONTRACT BID PRICE.

12 EACH SIGNAL HEAD
8 EACH PEDESTRIAN SIGNAL HEAD
4 EACH PEDESTRIAN PUSH BUTTON
4 EACH WOOD POLE
465 FOOT SPAN WIRE

* SIGNAL DISPLAYS FOR SB MCCORMICK BOULEVARD SHALL BE DISCONNECTED AND BAGGED DURING STAGE III CONSTRUCTION.

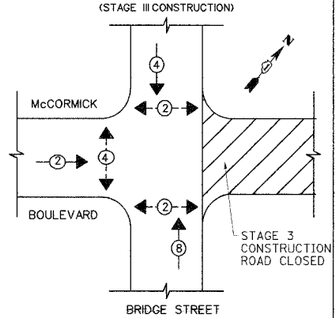
** LEFT TURN SIGNAL DISPLAYS FOR NB MCCORMICK BOULEVARD SHALL BE DISCONNECTED AND BAGGED WHEN NOT USED IN TEMPORARY SIGNAL PHASING.

TEMPORARY CONTROLLER SEQUENCE
(STAGE I AND II CONSTRUCTION)



PHASE DESIGNATION DIAGRAM

TEMPORARY CONTROLLER SEQUENCE
(STAGE III CONSTRUCTION)



PHASE DESIGNATION DIAGRAM

LEGEND

- DUAL ENTRY PHASE
- PEDESTRIAN PHASE
- x NUMBER REFERS TO ASSOCIATED PHASE

I.D.O.T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	%OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	135	17	0.50	810
(YELLOW)	12	135	25	0.25	405
(GREEN)	12	135	15	0.25	405
ARROW	0	135	12	0.10	0
PED SIGNAL	8	90	25	1.00	720
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN	0	252		0.05	0
FLASHER					

ENERGY COSTS TO: CITY OF EVANSTON TOTAL= 2,440

ENERGY SUPPLY CONTACT: JODY SCHOMER
PHONE: (847) 816-5472
COMPANY: COM. ED

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4	HANDHOLE	6.5	ALL FOUNDATIONS	3.5
D - CONTROLLER	4	DOUBLE HANDHOLE	13	MAST ARM (L) POLE	20'+L-2=
E - M. ARM POLE		SIGNAL POST	2		
24" (600mm)	10	CONTROLLER CAB.	1	BRACKET MOUNTED	13
30" (750mm)	15	FIBER OPTIC	13	PED. PUSHBUTTON	4
		ELECTRIC SERVICE	1	ELECTRIC SERVICE	13.5
		GROUND CABLE	1	SERVICE TO GROUND	13.5
				POST MOUNTED	6

TRANSYSTEMS CORPORATION
1014 PERIMETER DRIVE
SUITE 1025
SCHAUMBURG, IL 60173

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN

McCORMICK BOULEVARD
AT BRIDGE STREET

0 10' 20'

DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	44
STA		TO STA		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

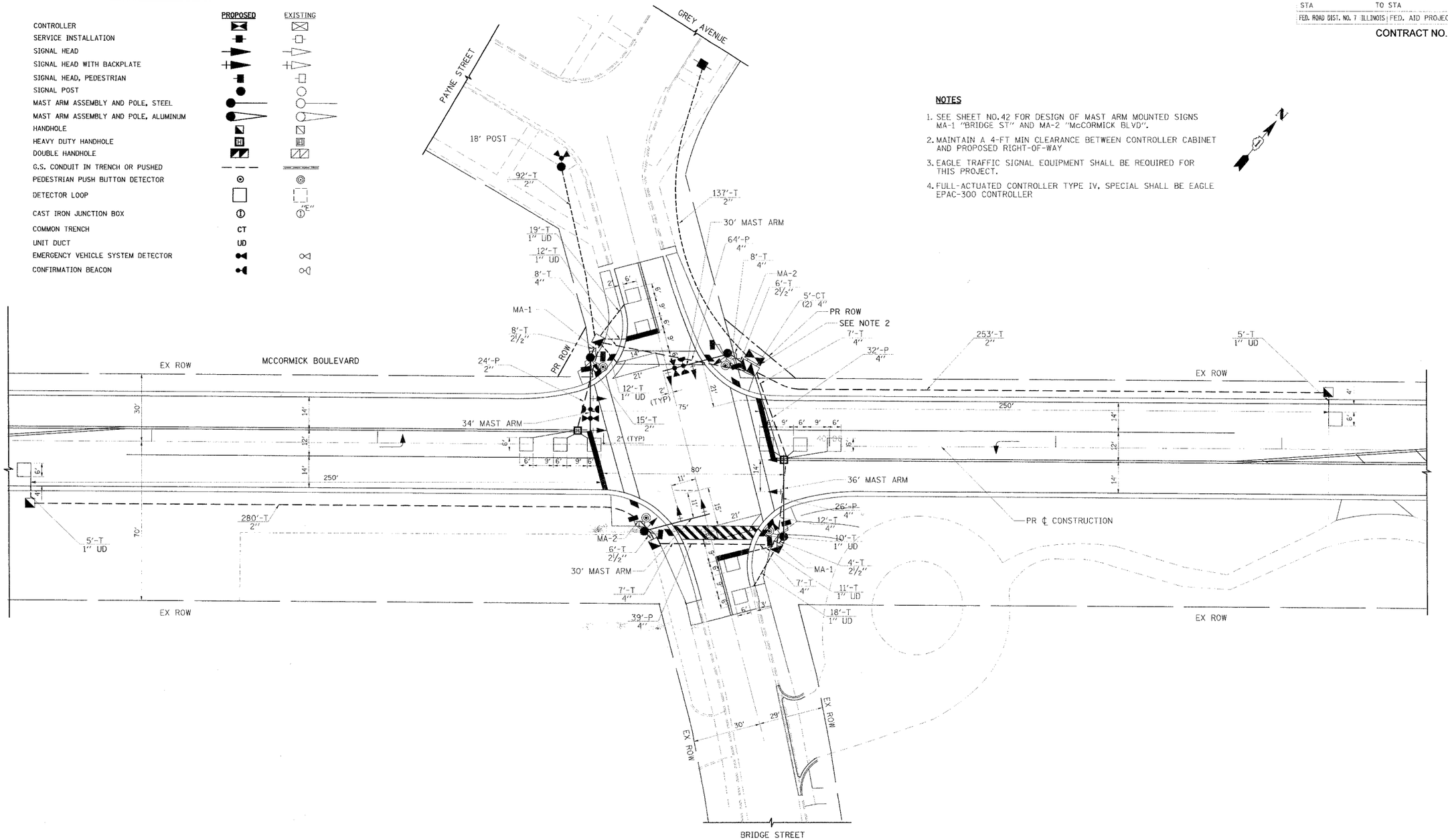
CONTRACT NO. 83773

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
CONTROLLER	⊠	⊠
SERVICE INSTALLATION	■	□
SIGNAL HEAD	▬▶	▷
SIGNAL HEAD WITH BACKPLATE	▬▶	▷
SIGNAL HEAD, PEDESTRIAN	■	□
SIGNAL POST	●	○
MAST ARM ASSEMBLY AND POLE, STEEL	●—	○—
MAST ARM ASSEMBLY AND POLE, ALUMINUM	●—	○—
HANDHOLE	◪	◪
HEAVY DUTY HANDHOLE	H	H
DOUBLE HANDHOLE	◪◪	◪◪
G.S. CONDUIT IN TRENCH OR PUSHED	— — —	— — —
PEDESTRIAN PUSH BUTTON DETECTOR	⊙	⊙
DETECTOR LOOP	□	□ 1"E"
CAST IRON JUNCTION BOX	①	①
COMMON TRENCH	CT	
UNIT DUCT	UD	
EMERGENCY VEHICLE SYSTEM DETECTOR	◀	◁
CONFIRMATION BEACON	◀	◁

NOTES

1. SEE SHEET NO. 42 FOR DESIGN OF MAST ARM MOUNTED SIGNS MA-1 "BRIDGE ST" AND MA-2 "McCORMICK BLVD".
2. MAINTAIN A 4-FT MIN CLEARANCE BETWEEN CONTROLLER CABINET AND PROPOSED RIGHT-OF-WAY
3. EAGLE TRAFFIC SIGNAL EQUIPMENT SHALL BE REQUIRED FOR THIS PROJECT.
4. FULL-ACTUATED CONTROLLER TYPE IV, SPECIAL SHALL BE EAGLE EPAC-300 CONTROLLER



TRANSYSTEMS CORPORATION
1051 PERIMETER DRIVE
SUITE 200
SCHAUMBURG, IL 60173

REVISIONS	
NAME	DATE
CEC/PAS	12/02/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN

McCORMICK BOULEVARD
AT BRIDGE STREET

0 10' 20'

DATE 9/03/04
DRAWN BY LAS
CHECKED BY SRF

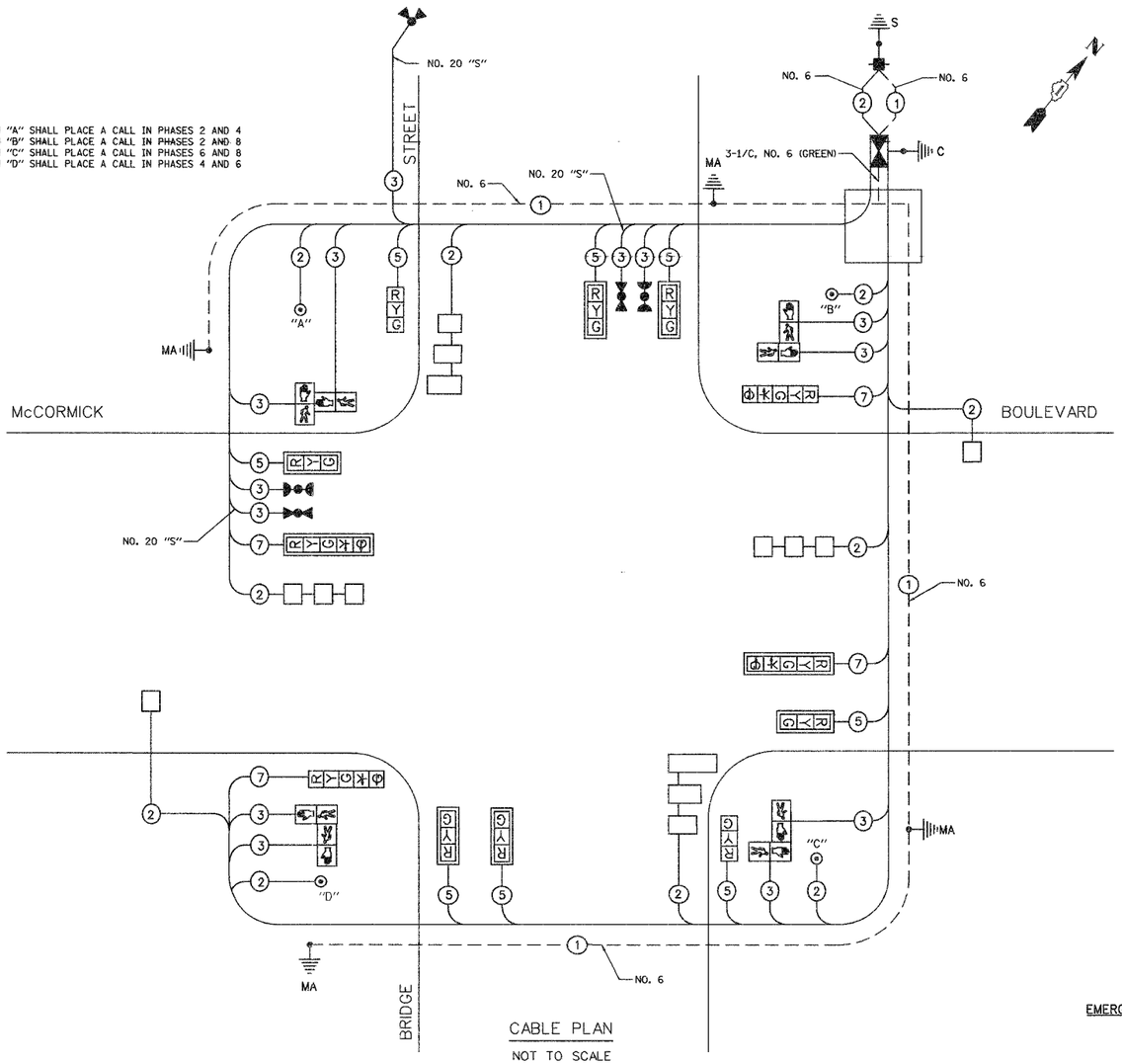
F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	45
STA	TO STA			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
31.5	SQ FT	SIGN PANEL - TYPE 1
777	FOOT	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL
24	FOOT	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL
59	FOOT	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL
24	FOOT	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL
161	FOOT	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL
5	EACH	HANDHOLE
2	EACH	HEAVY-DUTY HANDHOLE
1	EACH	DOUBLE HANDHOLE
965	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET
460	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
1,231	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
1,158	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
576	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
1,180	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
156	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.
2	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.
4	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE D
60	FOOT	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER
8	EACH	TRAFFIC SIGNAL BACKPLATE
6	EACH	INDUCTIVE LOOP DETECTOR
475	FOOT	DETECTOR LOOP, TYPE I
3	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER
4	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
3	EACH	REMOVE EXISTING HANDHOLE
4	EACH	REMOVE EXISTING CONCRETE FOUNDATION
1	EACH	SERVICE INSTALLATION - POLE MOUNTED
443	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C
465	FOOT	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED
6	EACH	SIGNAL HEAD ,LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
2	EACH	SIGNAL HEAD ,LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD ,LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD ,LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
4	EACH	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED

NOTES:
PUSHBUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4
PUSHBUTTON "B" SHALL PLACE A CALL IN PHASES 2 AND 8
PUSHBUTTON "C" SHALL PLACE A CALL IN PHASES 6 AND 8
PUSHBUTTON "D" SHALL PLACE A CALL IN PHASES 4 AND 6

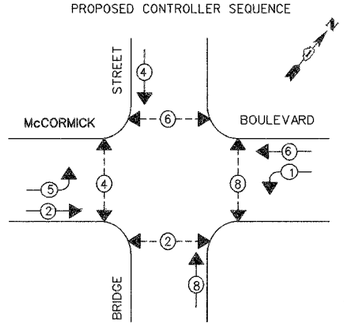


CABLE PLAN
NOT TO SCALE

CABLE PLAN LEGEND

EXISTING	PROPOSED	
		SIGNAL FACE WITH BACKPLATE
H/C	H/C	GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C)
P	P	GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
S	S	GROUND ROD AT ELECTRIC SERVICE INSTALLATION
1	1	GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
24	24	FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 MM12F SM12F
6	6	ELECTRIC CABLE IN CONDUIT, NO. 18, 6 PAIR TWISTED, SHIELDED
G	G	12" (200mm) TRAFFIC SIGNAL SECTION
Y	Y	12" (300mm) TRAFFIC SIGNAL SECTION
R	R	12" (300mm) TRAFFIC SIGNAL SECTION
		12" (300mm) PEDESTRIAN SIGNAL SECTION
		CONTROLLER CABINET
		SERVICE INSTALLATION
		EMERGENCY VEHICLE LIGHT DETECTOR
		CONFIRMATION BEACON
		PUSHBUTTON DETECTOR
		VEHICLE DETECTOR, INDUCTION LOOP
2	2	DENOTES NUMBER OF CONDUCTORS ALL CABLE NO. 14 EXCEPT AS INDICATED ALL LOOP DETECTOR CABLE TO BE SHIELDED

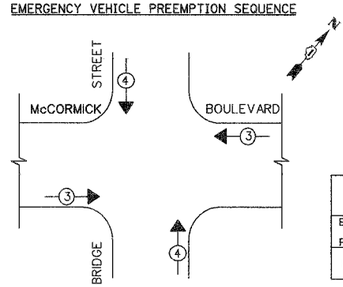
PROPOSED CONTROLLER SEQUENCE



LEGEND
DUAL ENTRY PHASE
PEDESTRIAN PHASE
NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

PROPOSED
EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↓ ↑

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	%OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	135	17	0.50	102
(YELLOW)	12	135	25	0.25	75
(GREEN)	12	135	15	0.25	45
ARROW	8	135	12	0.10	9.6
PED SIGNAL	8	90	25	1.00	200
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN	0	252		0.05	0
FLASHER					
ENERGY COSTS TO: CITY OF EVANSTON, 2100 RIDGE AVENUE, EVANSTON, IL 60201				TOTAL=	531.6
ENERGY SUPPLY CONTACT: JUDY SCHOMER PHONE: (847) 816-5472 COMPANY: COM ED					

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4	HANDHOLE	6.5	ALL FOUNDATIONS	3.5
D - CONTROLLER	4	DOUBLE HANDHOLE	13	MAST ARM (L) POLE	20'+L-2=
E - M. ARM POLE		SIGNAL POST	2		
24" (600mm)	10	CONTROLLER CAB.	1	BRACKET MOUNTED	13
30" (750mm)	15	FIBER OPTIC	13	PED. PUSHBUTTON	4
		ELECTRIC SERVICE	1	ELECTRIC SERVICE	13.5
		GROUND CABLE	1	SERVICE TO GROUND	13.5
				POST MOUNTED	6

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CABLE PLAN,
SEQUENCE OF OPERATIONS AND
SCHEDULE OF QUANTITIES

McCORMICK BOULEVARD

McCORMICK BOULEVARD AT BRIDGE STREET

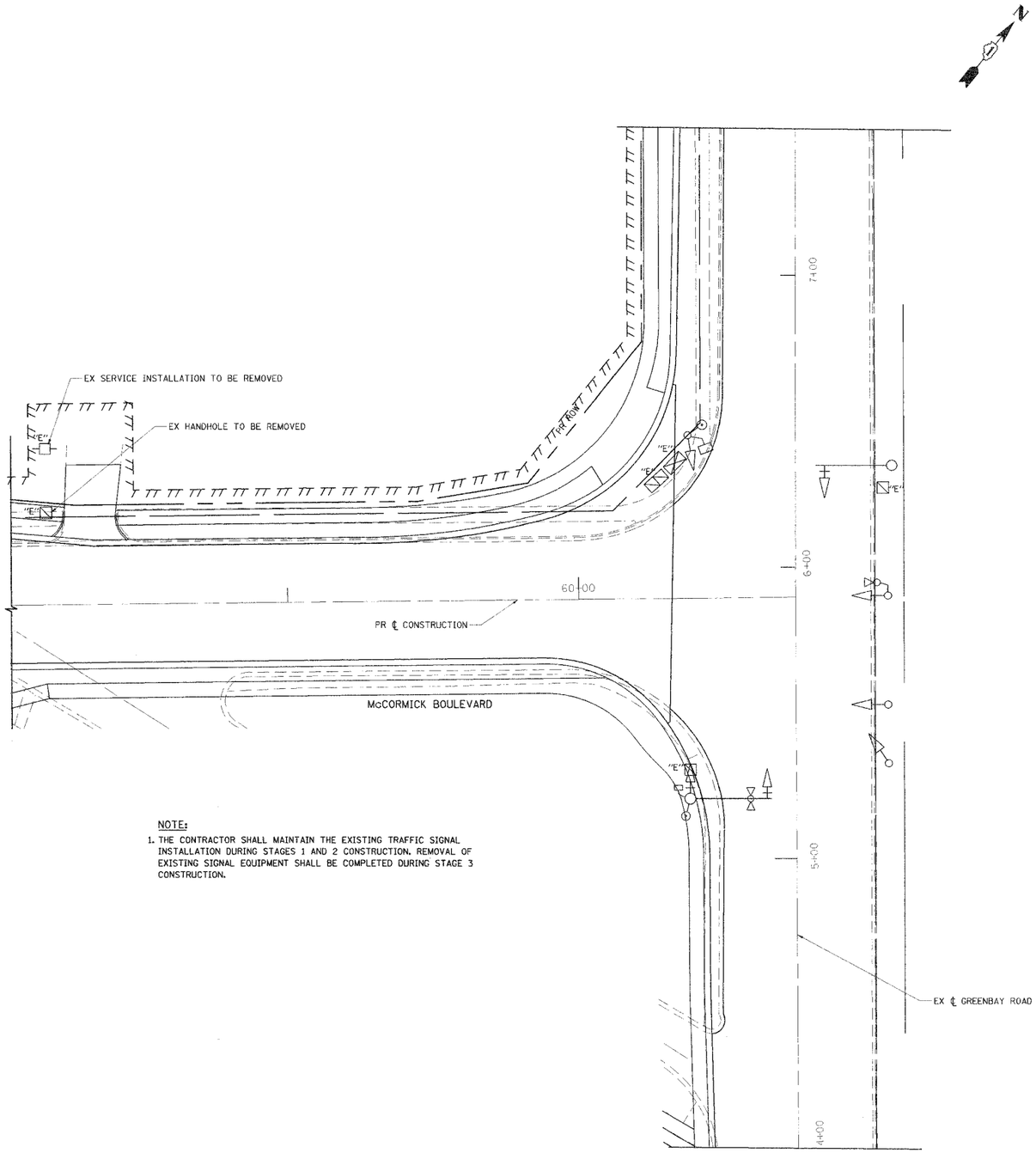
SCALE: NONE

DATE 9/03/04
DRAWN BY GEW
CHECKED BY SRF

TRANSYSTEMS CORPORATION
1051 PERIMETER DRIVE
SUITE 1000
SCHAUMBURG, IL 60173

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	46
STA	TO STA			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



NOTE:

1. THE CONTRACTOR SHALL MAINTAIN THE EXISTING TRAFFIC SIGNAL INSTALLATION DURING STAGES 1 AND 2 CONSTRUCTION. REMOVAL OF EXISTING SIGNAL EQUIPMENT SHALL BE COMPLETED DURING STAGE 3 CONSTRUCTION.

EXISTING EQUIPMENT TO BE REMOVED LEGEND

- EXISTING SIGNAL HEAD TO BE REMOVED
- "E" EXISTING SERVICE INSTALLATION TO BE REMOVED
- EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED
- "E" EXISTING CONTROLLER AND FOUNDATION TO BE REMOVED
- "E" EXISTING HANDHOLE TO BE REMOVED
- EMERGENCY VEHICLE LIGHT DETECTOR TO BE REMOVED
- CONFIRMATION BEACON
- "E" H EXISTING HEAVY-DUTY HANDHOLE TO BE REMOVED
- EXISTING STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED
- EXISTING PEDESTRIAN SIGNAL HEAD TO BE REMOVED
- EXISTING PEDESTRIAN PUSH BUTTON TO BE REMOVED

NOTES FOR EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: CITY OF EVANSTON

1 CONTROLLER AND CABINET (COMPLETE)
2 EMERGENCY VEHICLE LIGHT DETECTORS

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND DISPOSED OF BY HIM AT HIS EXPENSE, THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

2 EACH STEEL MAST ARM ASSEMBLY AND POLE
4 EACH SIGNAL POSTS
7 EACH SIGNAL HEADS
2 EACH PEDESTRIAN SIGNAL HEADS
2 EACH PEDESTRIAN PUSH BUTTONS

TRANSYSTEMS CORPORATION
9101 PIONEER DRIVE
SUITE 1000
SCHAUMBURG, IL 60173

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL REMOVAL PLAN

McCORMICK BOULEVARD
AT GREEN BAY ROAD

0 10' 20'

DATE 9/03/04
DRAWN BY GEW
CHECKED BY SRF

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	47
STA	TO STA			
FED. ROAD DIST. NO. 7	ILLINOIS FED. AID PROJECT			

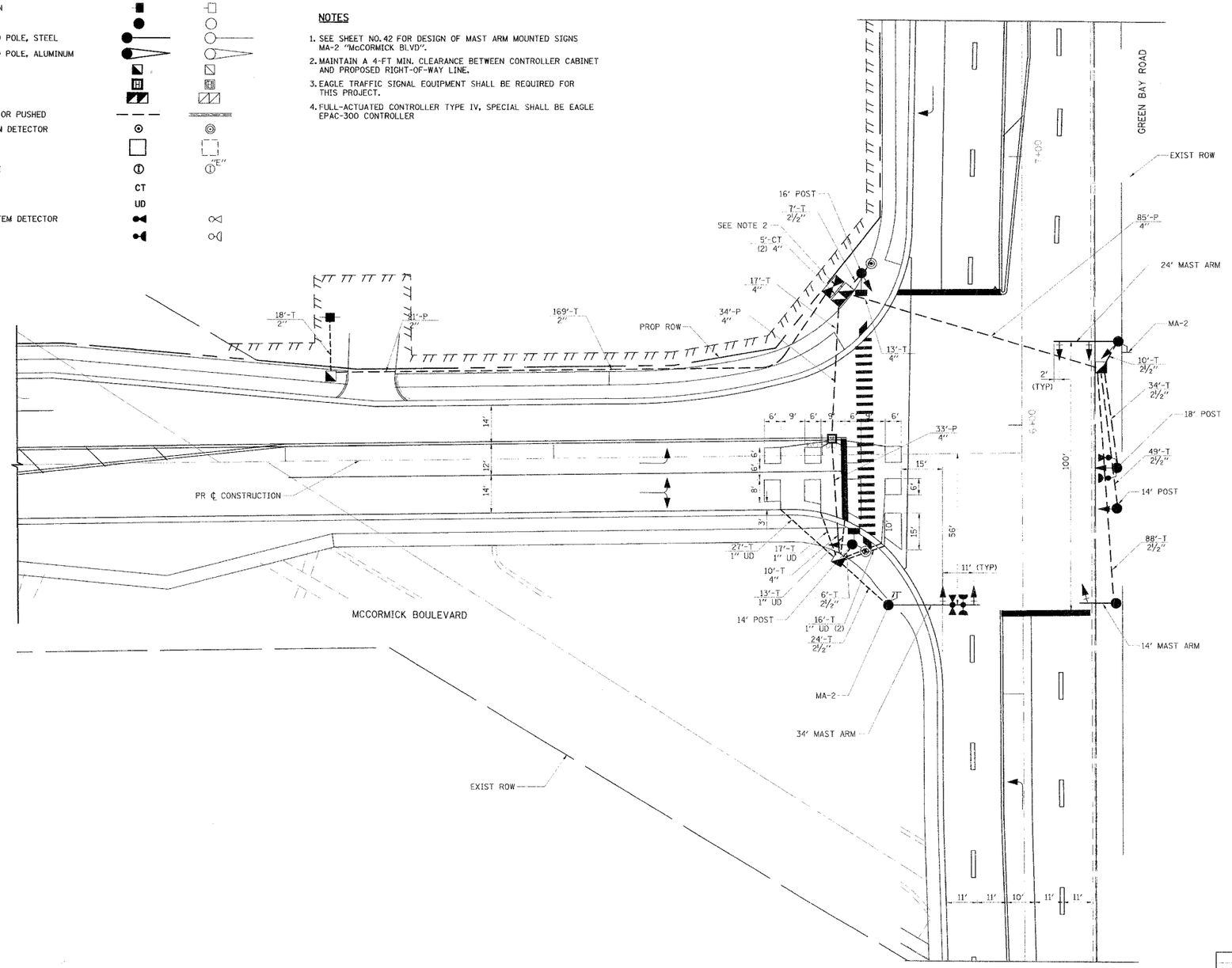
CONTRACT NO. 83773

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
CONTROLLER	⊠	⊠
SERVICE INSTALLATION	▪	▫
SIGNAL HEAD	▬▶	▷
SIGNAL HEAD WITH BACKPLATE	▬▶	▷
SIGNAL HEAD, PEDESTRIAN	▪	▫
SIGNAL POST	●	○
MAST ARM ASSEMBLY AND POLE, STEEL	●———	○———
MAST ARM ASSEMBLY AND POLE, ALUMINUM	●———	○———
HANDHOLE	◪	▨
HEAVY DUTY HANDHOLE	⊞	⊞
DOUBLE HANDHOLE	◪◪	▨▨
G.S. CONDUIT IN TRENCH OR PUSHED	———	———
PEDESTRIAN PUSH BUTTON DETECTOR	⊙	◎
DETECTOR LOOP	□	⬚
CAST IRON JUNCTION BOX	ⓘ	ⓘ "E"
COMMON TRENCH	CT	
UNIT DUCT	UD	
EMERGENCY VEHICLE SYSTEM DETECTOR	⋈	⋈
CONFIRMATION BEACON	⋈	⋈

NOTES

1. SEE SHEET NO. 42 FOR DESIGN OF MAST ARM MOUNTED SIGNS MA-2 "McCORMICK BLVD".
2. MAINTAIN A 4-FT MIN. CLEARANCE BETWEEN CONTROLLER CABINET AND PROPOSED RIGHT-OF-WAY LINE.
3. EAGLE TRAFFIC SIGNAL EQUIPMENT SHALL BE REQUIRED FOR THIS PROJECT.
4. FULL-ACTUATED CONTROLLER TYPE IV, SPECIAL SHALL BE EAGLE EPAC-300 CONTROLLER



REVISIONS	
NAME	DATE
CEC/PAS	12/02/05

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN

McCORMICK BOULEVARD
AT GREEN BAY ROAD

0 10' 20'
1"=20'

DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

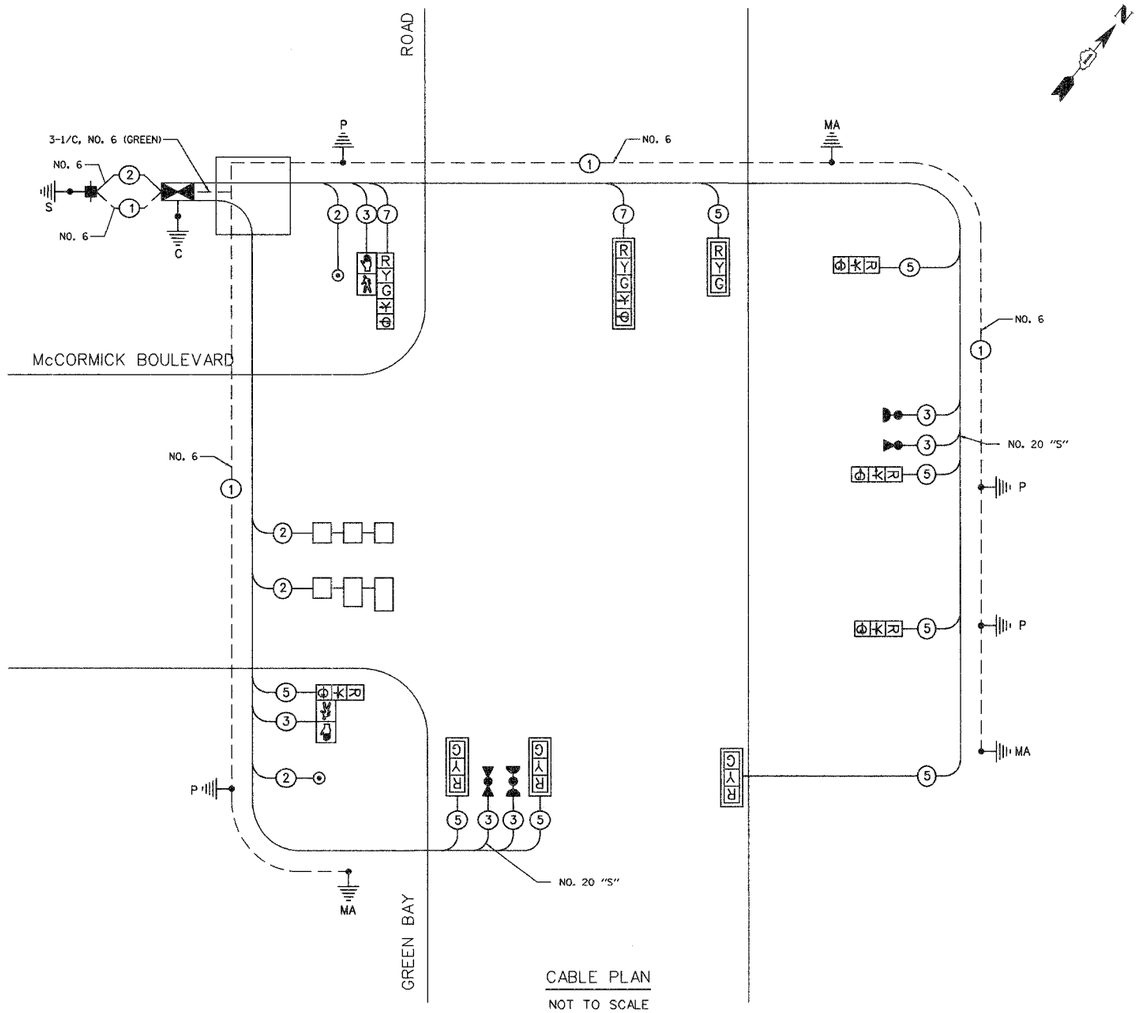
TRANSYSTEMS CORPORATION
1901 PROMETER DRIVE
SUITE 1005
SCHAUMBURG, IL 60173

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	48
STA	TO STA			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
29	SQ FT	SIGN PANEL - TYPE 1
187	FOOT	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL
218	FOOT	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL
50	FOOT	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL
21	FOOT	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL
152	FOOT	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL
3	EACH	HANDHOLE
1	EACH	HEAVY-DUTY HANDHOLE
1	EACH	DOUBLE HANDHOLE
530	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET
182	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
586	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
1,508	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
230	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
210	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
250	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 14 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.
16	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE D
45	FOOT	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER
5	EACH	TRAFFIC SIGNAL BACKPLATE
2	EACH	INDUCTIVE LOOP DETECTOR
413	FOOT	DETECTOR LOOP, TYPE I
2	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER
2	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
5	EACH	REMOVE EXISTING HANDHOLE
2	EACH	REMOVE EXISTING CONCRETE FOUNDATION
1	EACH	SERVICE INSTALLATION - POLE MOUNTED
613	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C
387	FOOT	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED
4	EACH	SIGNAL HEAD ,LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
4	EACH	SIGNAL HEAD ,LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD ,LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD ,LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED



CABLE PLAN

NOT TO SCALE

CABLE PLAN LEGEND

EXISTING	PROPOSED	
		SIGNAL FACE WITH BACKPLATE
H/C	H/C	GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C)
P	P	GROUND ROD AT POST (P) OR MAST ARM POLE (MA)
S	S	GROUND ROD AT ELECTRIC SERVICE INSTALLATION
(1)	(1)	GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
(24)	(24)	FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 MM12F SM12F
(6)	(6)	ELECTRIC CABLE IN CONDUIT, NO. 18, 6 PAIR TWISTED, SHIELDED
G	G	12" (200mm) TRAFFIC SIGNAL SECTION
Y	Y	12" (300mm) TRAFFIC SIGNAL SECTION
R	R	12" (300mm) TRAFFIC SIGNAL SECTION
		12" (300mm) PEDESTRIAN SIGNAL SECTION
		CONTROLLER CABINET
		SERVICE INSTALLATION
		EMERGENCY VEHICLE LIGHT DETECTOR
		CONFIRMATION BEACON
		PUSHBUTTON DETECTOR
		VEHICLE DETECTOR, INDUCTION LOOP
(2)	(2)	DENOTES NUMBER OF CONDUCTORS ALL CABLE NO. 14 EXCEPT AS INDICATED ALL LOOP DETECTOR CABLE TO BE SHIELDED

I.D.O.T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

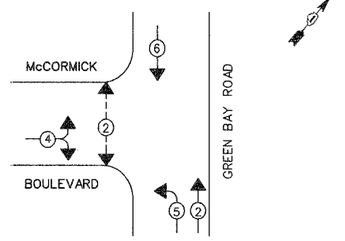
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	%OPERATION	TOTAL WATTAGE
SIGNAL (RED)	10	135	17	0.50	85
(YELLOW)	6	135	25	0.25	37.5
(GREEN)	6	135	15	0.25	22.5
ARROW	12	135	12	0.10	14.4
PED SIGNAL	2	90	25	1.00	50
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN	0	252		0.05	0
FLASHER					
ENERGY COSTS TO: CITY OF EVANSTON				TOTAL=	309.4

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4	HANDHOLE	6.5	ALL FOUNDATIONS	3.5
D - CONTROLLER	4	DOUBLE HANDHOLE	13	MAST ARM (L) POLE	20'+L-2=
E - M. ARM POLE		SIGNAL POST	2		
24" (600mm)	10	CONTROLLER CAB.	1	BRACKET MOUNTED	13
30" (750mm)	15	FIBER OPTIC	13	PED. PUSHBUTTON	4
		ELECTRIC SERVICE	1	ELECTRIC SERVICE	13.5
		GROUND CABLE	1	SERVICE TO GROUND	13.5
				POST MOUNTED	6

ENERGY SUPPLY CONTACT: JUDY SCHOMER
PHONE: (847) 816-5472
COMPANY: COM ED

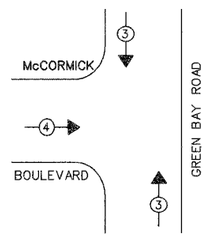
PROPOSED CONTROLLER SEQUENCE

LEGEND
- DUAL ENTRY PHASE
- PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE



PHASE DESIGNATION DIAGRAM

PROPOSED
EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↓↑	→

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

CABLE PLAN, SEQUENCE OF OPERATIONS AND SCHEDULE OF QUANTITIES

McCORMICK BOULEVARD

McCORMICK BOULEVARD AT GREEN BAY ROAD

SCALE: NONE

DATE 9/03/04
DRAWN BY CEW
CHECKED BY SRF

TRANSYSTEMS CORPORATION
101 PROGRESS DRIVE
SUITE 300
SCHAUMBURG, IL 60173

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	49
STA		TO STA		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

LEGEND

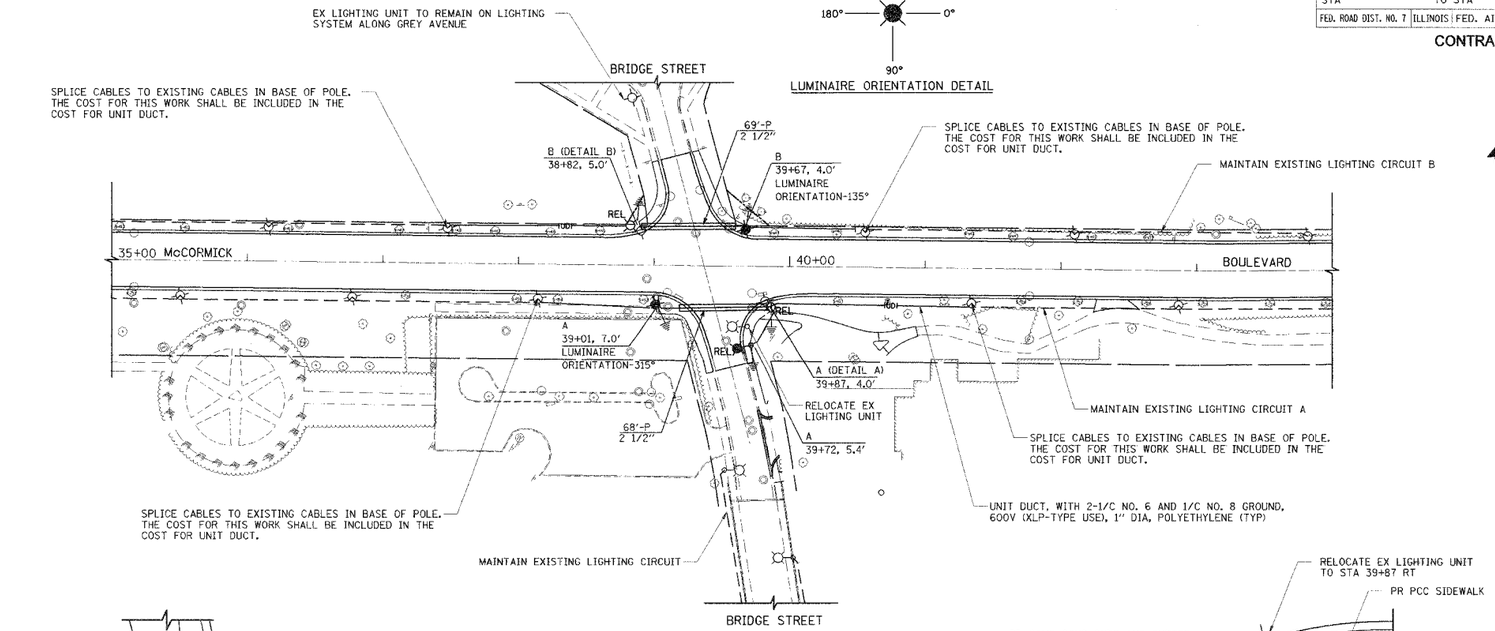
- EXISTING ROADWAY LIGHTING UNIT — 400 W, 240/480V MERCURY VAPOR, 30' MOUNT. HEIGHT, 6' MAST ARM
- REL — RELOCATED EXISTING LIGHTING UNIT WITH NEW CONCRETE FOUNDATION — 400 W, 240/480V MERCURY VAPOR, 30' MOUNT. HEIGHT, 6' MAST ARM
- EXISTING LIGHTING UNIT — 175 W, 240/480V MERCURY VAPOR, 16' MOUNT. HEIGHT, POST-TOP MOUNT LUMINAIRE
- PROPOSED LIGHTING UNIT (INSTALL ONLY) — 175 W, 240/480V MERCURY VAPOR, 16' MOUNT. HEIGHT. POST-TOP MOUNT LUMINAIRE
- REL — RELOCATED EXISTING LIGHTING UNIT WITH NEW CONCRETE FOUNDATION — 175 W, MERCURY VAPOR, 16' MOUNT. HEIGHT, 4' SETBACK BEHIND BACK OF CURB
- GROUND ROD, 5/8 INCH × 10 FEET
- (UD) — UNIT DUCT, WITH 2-1/C NO. 6 AND 1/C NO. 8 GROUND, 600V (XLP-TYPE USE), 1" DIA. POLYETHYLENE
- EXISTING CIRCUIT TO BE MAINTAINED
- "P" — PUSHED
- "T" — TRENCHED
- "CT" — COMMON TRENCH
- CONDUIT PUSHED (P), 2.5" DIA. GALVANIZED STEEL (UNLESS OTHERWISE NOTED)
- X / XX+XX, XX.X — LIGHT POLE CIRCUIT / STATION, OFFSET FROM BACK OF CURB

GENERAL NOTES

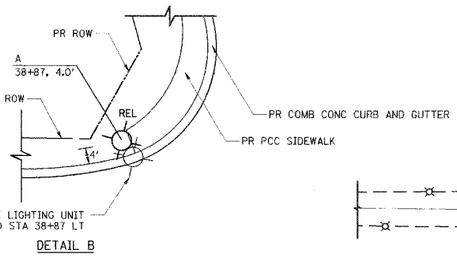
1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLES FOR EXAMINATION AND CONFIRMATION WITH THE RESIDENT ENGINEER. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO AUGURING FOR LIGHT POLE FOUNDATIONS. THE EXACT LOCATIONS OF ALL ITEMS SHALL BE CONFIRMED WITH THE RESIDENT ENGINEER PRIOR TO STARTING WORK.
2. PROPOSED ROADWAY LIGHT POLES SHALL HAVE A SET-BACK OF 4.0 FEET (MIN) FROM THE BACK OF CURB TO THE CENTER OF POLE, UNLESS OTHERWISE INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
3. A GROUND ROD SHALL BE PROVIDED FOR EACH CONCRETE FOUNDATION. GROUNDING CONNECTIONS MADE TO THE FOUNDATION SHALL BE EXOTHERMICALLY WELDED, AS SPECIFIED IN THE PLAN DETAILS, AND SHALL BE INSPECTED AND APPROVED BY THE RESIDENT ENGINEER PRIOR TO POURING CONCRETE OR BACKFILLING, AS APPLICABLE .
4. PARALLEL UNIT DUCT RUNS SHOWN ON THE PLANS SHALL BE PLACED IN A COMMON TRENCH.
5. THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE SPECIFIED REQUIREMENTS FOR BURIED WARNING TAPE, SPECIFIED AS PART OF "TRENCH AND BACKFILL FOR ELECTRICAL WORK". THE INSTALLATION OF THE TAPE SHALL BE INSPECTED BY THE ENGINEER PRIOR TO BACKFILLING OR DURING PLOWING OPERATIONS, AS APPLICABLE.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF THE FINISHED GRADE. THE RESIDENT ENGINEER MAY ASSIST THE CONTRACTOR, AS APPLICABLE, BUT THE RESPONSIBILITY FOR COORDINATING THE FINISHED GRADE ELEVATIONS WITH THE TOP OF THE FOUNDATION HEIGHTS.
7. NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE CURED, AS APPROVED BY THE ENGINEER.
8. A QUANTITY FOR OFFSET LIGHT POLE FOUNDATIONS HAS BEEN PROVIDED FOR LOCATIONS WHERE UTILITY OR SEWER CONFLICTS MAY PROHIBIT THE USE OF A STANDARD LIGHT POLE FOUNDATION. THE ACTUAL NEED FOR THE OFFSET FOUNDATION WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. A QUANTITY FOR EXPLORATION TRENCH HAS BEEN PROVIDED IF DIRECTED BY THE ENGINEER TO VERIFY UNDERGROUND UTILITIES OR SEWER LOCATIONS. IF OFFSET FOUNDATIONS ARE NOT REQUIRED THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
9. DIRECTIONAL BORING SHALL BE THE METHOD USED FOR UNIT DUCT INSTALLATION. THE COST FOR THIS WORK SHALL BE INCIDENTAL TO UNIT DUCT, WITH 2-1/C NO. 6 AND 1/C NO. 8 GROUND, 600V (XLP-TYPE USE), 1" DIA., POLYETHYLENE. A QUANTITY FOR TRENCH AND BACKFILL FOR ELECTRICAL WORK HAS BEEN INCLUDED FOR UNIT DUCT INSTALLATION WITHIN 5 FEET ON EITHER SIDE OF THE POLE.
10. LUMINAIRE LIGHT DISTRIBUTION SHALL BE ORIENTED AS INDICATED ON THE PLANS. SEE LUMINAIRE ORIENTATION DETAIL.

TEMPORARY LIGHTING NOTES

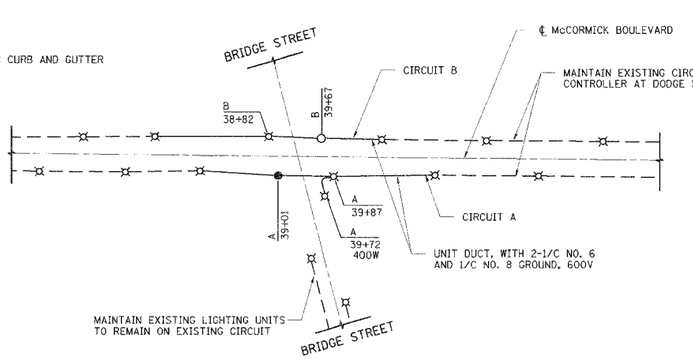
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL ROADWAY LIGHTING AT ALL TIMES WITHIN THE PROJECT LIMITS FOR THE DURATION OF THE PROJECT. ANY DAMAGE INCURRED DURING CONSTRUCTION SHALL BE PROMPTLY REPAIRED SO SERVICE IS NOT DISRUPTED. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXISTING CONDITIONS.
2. AERIAL CABLE, 3-1/C NO. 6, WITH MESSENGER WIRE SHALL BE USED TO MAINTAIN ELECTRICAL CONNECTIONS. A QUANTITY OF AERIAL CABLE HAS BEEN PROVIDED TO MAINTAIN THE TEMPORARY CONNECTIONS. THE COST TO PROVIDE TEMPORARY CONNECTIONS SHALL BE INCIDENTAL TO THE AERIAL CABLE.
3. AERIAL CABLE SHALL BE DISCONNECTED AND REMOVED ONCE THE PERMANENT LIGHTING SYSTEM IS OPERATIONAL. THE COST FOR REMOVAL OF TEMPORARY CABLE SHALL BE INCIDENTAL TO AERIAL CABLE, 3-1/C NO. 6 WITH MESSENGER WIRE.



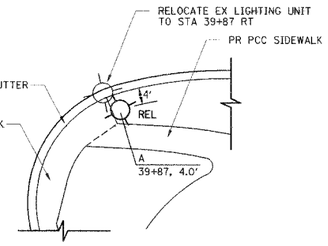
LUMINAIRE ORIENTATION DETAIL



DETAIL B



WIRING DIAGRAM
NOT TO SCALE



DETAIL A

LEGEND

- LUMINAIRE, MERCURY VAPOR, 175W, 240V ON CIRCUIT B, UNLESS OTHERWISE NOTED
- LUMINAIRE, MERCURY VAPOR, 175W, 240V ON CIRCUIT A, UNLESS OTHERWISE NOTED
- EXISTING LIGHTING UNIT, MERCURY VAPOR, 175W, 240/480V UNLESS OTHERWISE NOTED
- PROPOSED UNIT DUCT, 2-1/C NO. 6, 1/C NO. 8 GROUND
- EXISTING UNIT DUCT, 2-1/C NO. 6, 1/C NO. 8 GROUND
- X / XX+XX — LIGHT POLE CIRCUIT / STATION

LOAD TABULATIONS FOR LIGHTING CONTROLLER

CIRCUIT	EXISTING		PROPOSED	
	AMPS	WATTS	AMPS	WATTS
A	12.23	2675	13.03	2850
B	11.2	2450	12.0	2625
TOTAL	23.43	5125	25.03	5475

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
17	EACH	GROUND ROD, 5/8" DIA. X 10 FT.
505	FOOT	CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL
170	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
2,330	FOOT	UNIT DUCT, WITH 2-1/C NO. 6 AND 1/C NO. 8 GROUND, 600V (XLP-TYPE USE), 1" DIA., POLYETHYLENE
2,330	FOOT	AERIAL CABLE, 3-1/C NO. 6 WITH MESSENGER WIRE
109	FOOT	LIGHT POLE FOUNDATION, 24" DIAMETER
27	FOOT	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET
18	EACH	LIGHTING FOUNDATION REMOVAL
14	EACH	RELOCATE EXISTING LIGHTING UNIT
3	EACH	LIGHT POLE AND LUMINAIRE, INSTALL ONLY

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING PLAN

McCORMICK BOULEVARD

McCORMICK BOULEVARD AT BRIDGE STREET

0 25' 50'
1"=50'

DATE 9/03/04
DRAWN BY SRS
CHECKED BY SRF

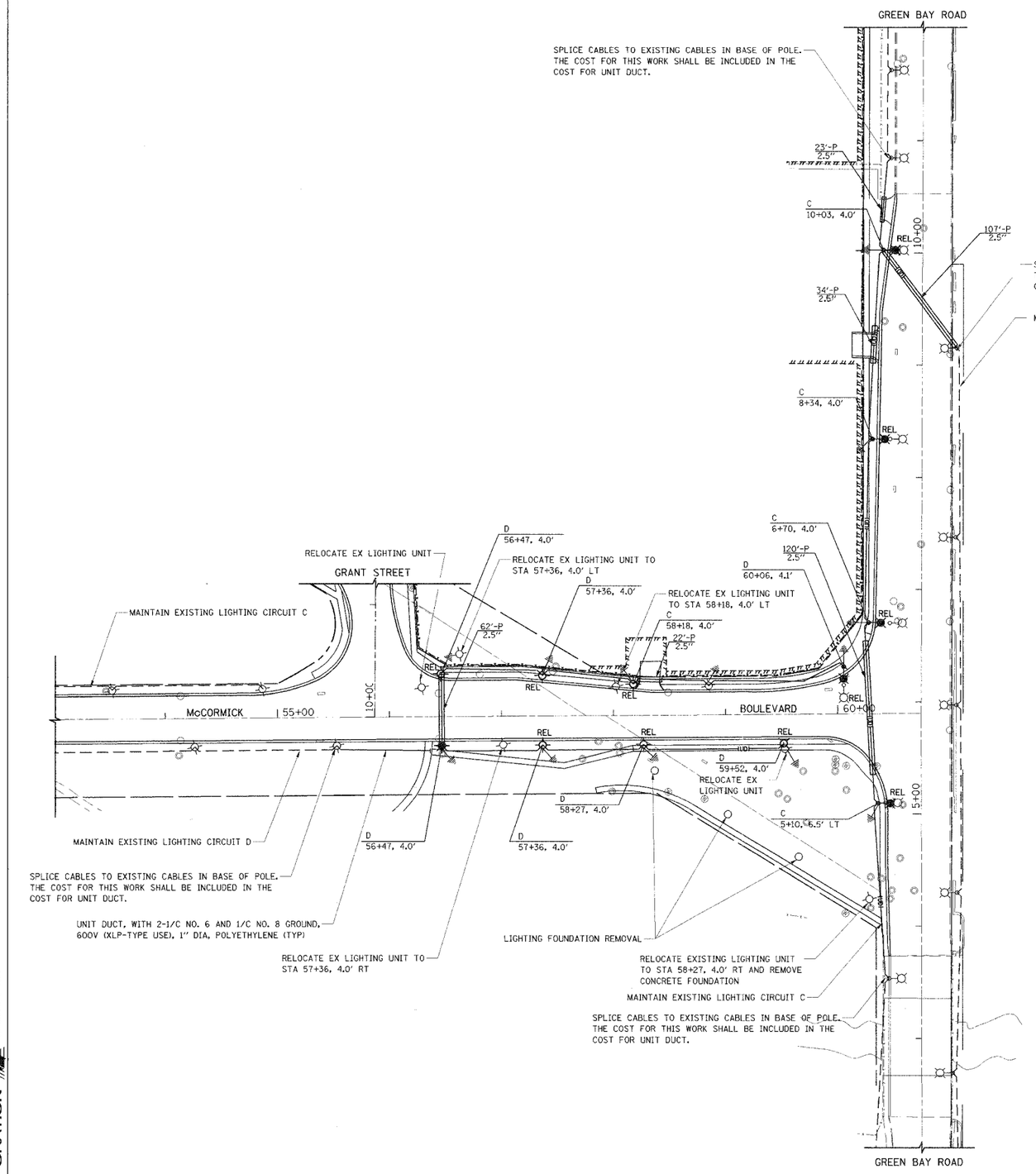
TRANSYSTEMS CORPORATION
105 PERIMETER DRIVE
SUITE 100
SCHAUMBURG, IL 60173

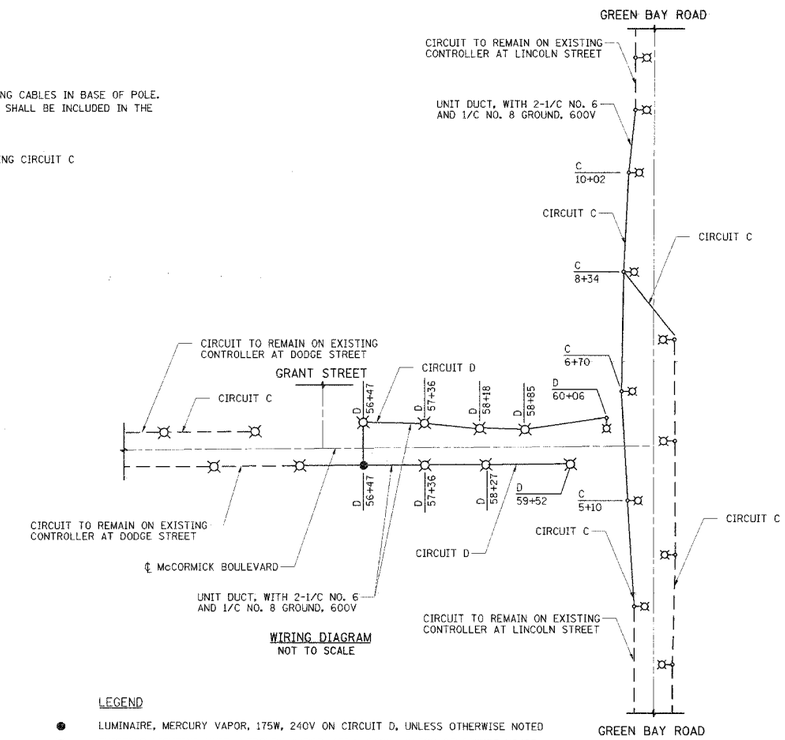
F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	50
STA	TO STA			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

LOAD TABULATIONS FOR LIGHTING CONTROLLER

CIRCUIT	EXISTING		PROPOSED	
	AMPS	WATTS	AMPS	WATTS
C	4.80	1050	4.0	875
D	12.23	2675	13.83	3025
TOTAL	17.03	3725	17.83	3900





WIRING DIAGRAM
NOT TO SCALE

LEGEND

- ● LUMINAIRE, MERCURY VAPOR, 175W, 240V ON CIRCUIT D, UNLESS OTHERWISE NOTED
- ⌑ EXISTING LIGHTING UNIT, MERCURY VAPOR, 175W, 240V UNLESS OTHERWISE NOTED
- ⌑∘ EXISTING LIGHTING UNIT, MERCURY VAPOR, 400W, 240V UNLESS OTHERWISE NOTED
- ——— PROPOSED UNIT DUCT, 2-1/C NO. 6, 1/C NO. 8 GROUND
- - - - - - EXISTING UNIT DUCT, 2-1/C NO. 6, 1/C NO. 8 GROUND
- X / XX+XX LIGHT POLE CIRCUIT / STATION

NOTE:

SEE SHEET **49** FOR LEGEND, GENERAL NOTES, AND BILL OF MATERIALS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING PLAN

McCORMICK BOULEVARD

McCORMICK BOULEVARD AT GREEN BAY ROAD

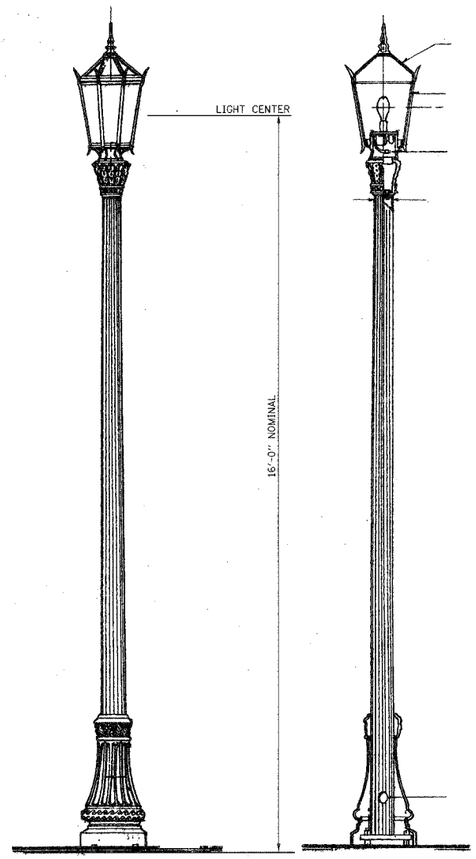
0 25' 50'
1"=50'

DATE 9/03/04
DRAWN BY SRS
CHECKED BY SRF

TRANSYSTEMS CORPORATION
1051 PERIMETER DRIVE
SUITE 1015
SCHAUMBURG, IL 60173

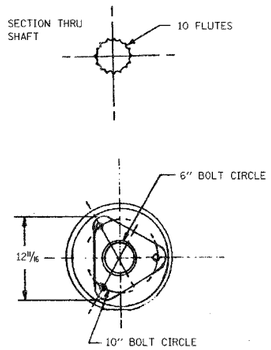
F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	51
STA		TO STA		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

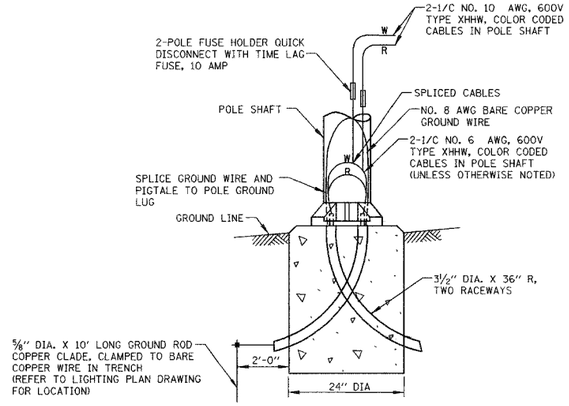
CONTRACT NO. 83773



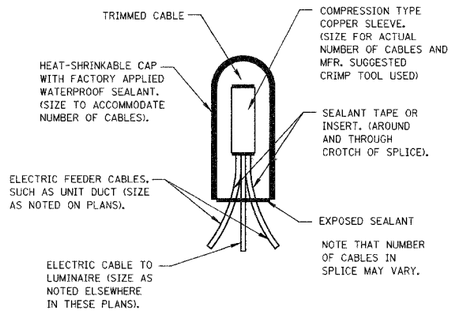
SIDE VIEW CUTAWAY VIEW

TALLMADGE LIGHTING STANDARD AND LUMINARE DETAIL (INSTALL ONLY)

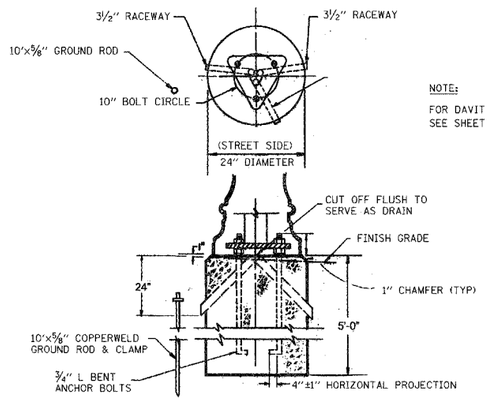




POLE BASE WIRING DETAIL



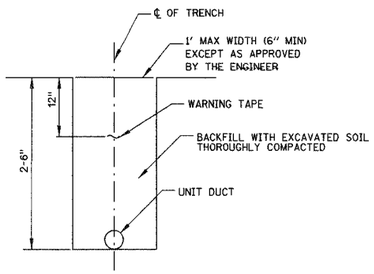
SPLICING ELECTRIC CABLE
BASIC MATERIALS AND METHODS



NOTE:

FOR DAVIT ARM LIGHTING UNIT FOUNDATION DETAIL SEE SHEET NO.52

TALLMADGE POLE
CONCRETE FOUNDATION DETAIL
N.T.S.



TRENCH CROSS SECTION

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ROADWAY LIGHTING DETAILS

McCORMICK BOULEVARD

SCALE: NONE

DATE 9/03/04
DRAWN BY GEW
CHECKED BY SRF

TRANSYSTEMS CORPORATION
8501 FREMONTER DRIVE
SUITE 400
SCHAUMBURG, IL 60173

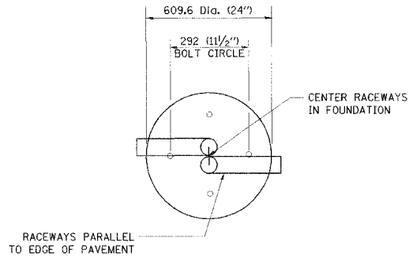
...\SHEETS\00025\plan\sht 09/30/2004 09:13:47 AM

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	52
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

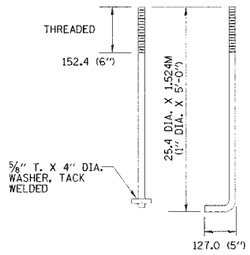
LIGHT POLE FOUNDATION DEPTH TABLE
9.144M (30 FT.) TO 10.668M (35 FT.) MOUNTING HEIGHT

SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	3.35 (11'-0")	3.85M (12'-8")
MEDIUM CLAY Qu = 0.75 TON/SQ.FT	2.74M (9'-0")	4.52M (14'-10")
STIFF CLAY Qu = 1.50 TON/SQ. FT.	2.29M (7'-6")	2.61M (8'-7")
LOOSE SAND Ø = 34°	2.90M (9'-6")	3.22M (10'-7")
MEDIUM SAND Ø = 37.5°	2.74M (9'-0")	2.99M (9'-10")
DENSE SAND Ø = 40°	2.51M (8'-3")	2.91M (9'-7")

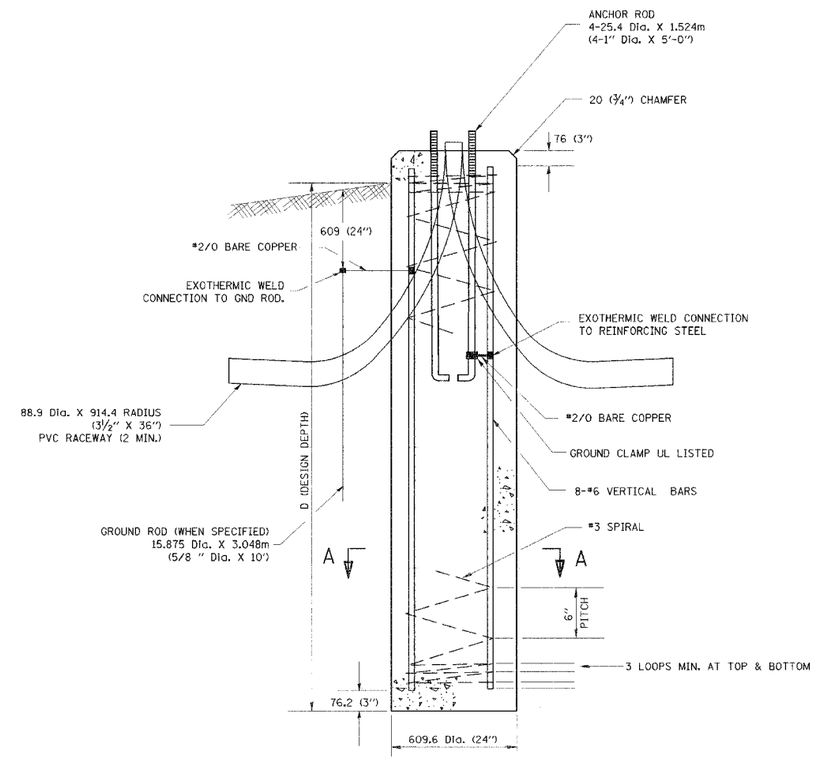


TOP VIEW

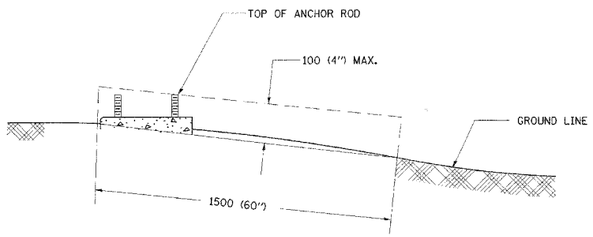
NOTE:
CONTRACTOR SHALL COORDINATE BOLT CIRCLE WITH BOLT CIRCLE OF EXISTING LIGHTING UNIT



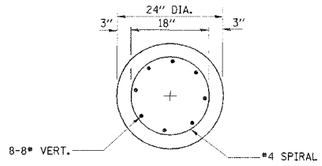
ANCHOR BOLT DETAIL



FOUNDATION DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A

NOTES

1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
2. THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IN PLACED.
3. THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4 IN.) ABOVE THE FINISHED GRADE WITHIN A 1.5M (60 IN.) CHORD ACROSS THE FOUNDATION. WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
4. THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER. OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
5. THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 20MM (3/4-IN.).
6. THE CONCRETE SHALL BE CLASS SI. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
7. THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
8. THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
9. ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UM(6 MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
10. THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 150 MM (6 INCHES) WITH A MINIMUM OF 75 MM (3 INCHES) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
11. ANCHOR RODS SHALL PROJECT 69.9MM (2¾") ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
12. THE CONTRACTOR SHALL USE A #3 SPIRAL AT 152.4MM (6") PITCH OR MAY SUBSTITUTE #3 TIES AT 304.8MM (12") O.C. WITH THE APPROVAL OF THE ENGINEER.
13. THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
14. THE RACEWAYS SHALL PROJECT 25.4MM (1") ABOVE THE TOP OF THE FOUNDATION.

E-300

REVISIONS	
NAME	DATE
D. SIMON	4/93
D. DREW	06/15/95

ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION
9.144M (30') TO 10.668M (35') M.H.
292mm (11 1/2) BOLT CIRCLE

SCALE: VERT.
HORIZ.
DATE 9/03/04

DRAWN BY
CHECKED BY

E-300 (BE-300)
REVISION DATE:12/18/02

DATE-TIME
DGN-SPEC
V11BE17
USER

F.A.I.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
1485	00-00218-00-FP	COOK	108	53
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

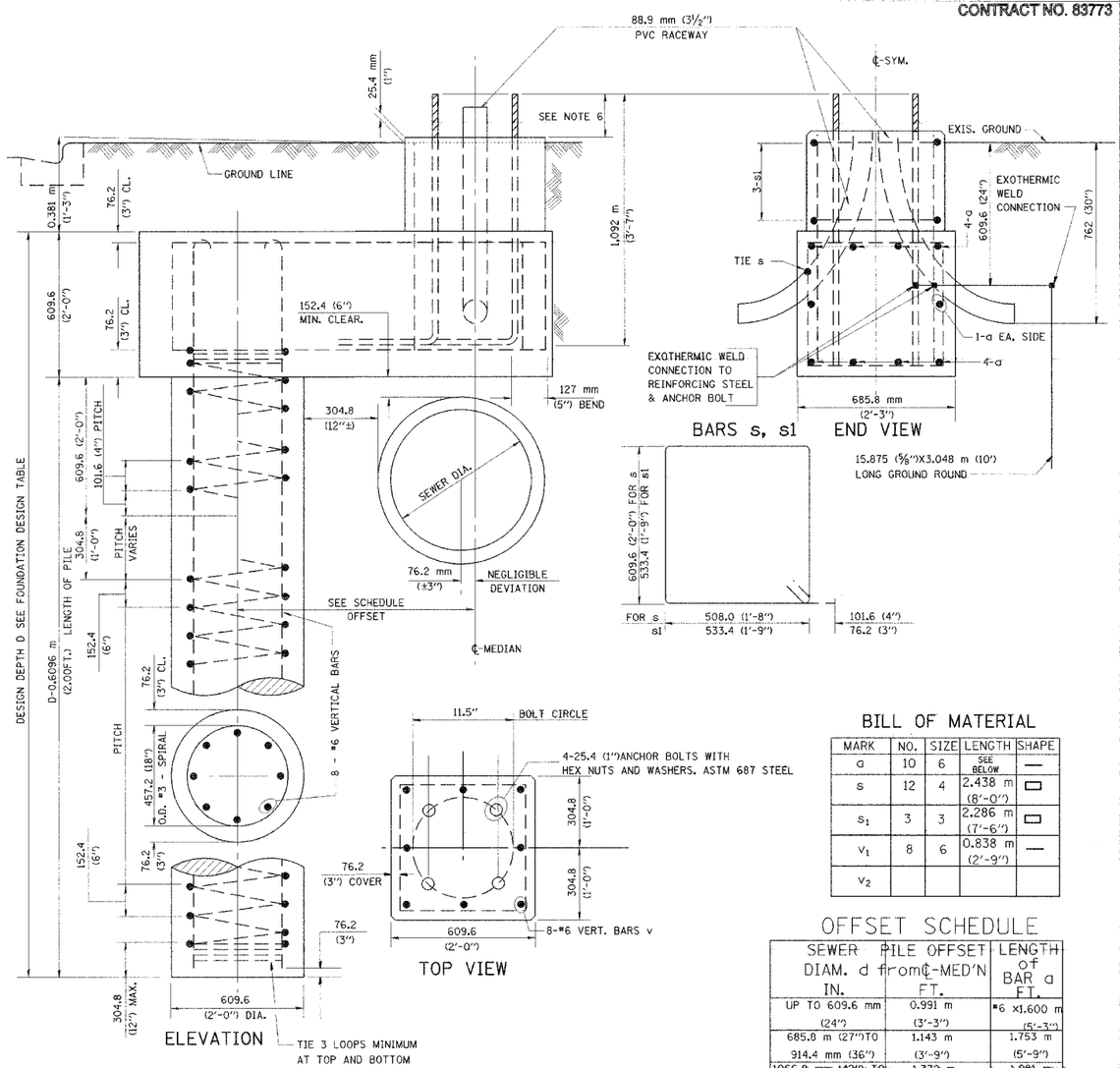
CONTRACT NO. 83773

FOUNDATION DESIGN TABLE

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM D	TWIN ARM D	SINGLE ARM		TWIN ARM	
			VERT BARS	SPIRAL	VERT BARS	SPIRAL
SOFT CLAY	3.962 m (13′-0″)	4.572 m (15′-0″)	8-#6X3.810 m (12′-6″)	#3X37.186 m (122′)	8-#6X4.343 m (14′-3″)	#3X42.977 m (141′)
MEDIUM CLAY	2.896 m (9′-6″)	3.277 m (10′-9″)	8-#6X2.743 m (9′-0″)	#3X27.432 m (90′)	8-#6X3.048 m (10′-0″)	#3X30.480 m (100′)
STIFF CLAY	2.134 m (7′-0″)	2.438 m (8′-0″)	8-#6X1.981 m (6′-6″)	#3X20.112 m (66′)	8-#6X2.286 m (7′-6″)	#3X23.165 m (76′)
LOOSE SAND	2.743 m (9′-0″)	3.048 m (10′-0″)	8-#6X2.591 m (8′-6″)	#3X25.908 m (85′)	8-#6X2.896 m (9′-6″)	#3X28.651 m (94′)
MEDIUM SAND	2.515 m (8′-3″)	2.743 m (9′-0″(	8-#6X2.438 m (8′-0″)	#3X23.774 m (78′)	8-#6X2.591 m (8′-6″)	#3X25.908 m (85′)
DENSE SAND	2.362 m (7′-9″)	2.743 m (9′-0″)	8-#6X2.286 m (7′-6″)	#3X22.250 m (73′)	8-#6X2.591 m (8′-6″)	#3X25.908 m (85′)
ROCK OR SOLIDIFIED SLAG	1.524 m (5′-0″)	1.524 m (5′-0″)	NONE	NONE	NONE	NONE

NOTES

1. ALL DEMINSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.
2. THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE.
3. EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 609.6 mm (24″) OR 762.0 mm (30″) IN DIAMETER.
4. THE ANCHOR SHALL BE A TACK WELDED TYPE BOLT OR HOOK TYPE BOLT. COLD BENDING OF THE HOOK BOLT WILL NOT BE ALLOWED.
5. THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
6. THE ENTIRE LENGTH OF THE ANCHOR BOLTS AS WELL AS THE NUTS AND WASHERS SHALL BE HOT DIP GALVANIZED IN ACCORDANCE WITH THE REQUIREMENTS OF ASTM DESIGNATION A 153.
7. THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS. IF LIGHT POLE IS MOUNTED WITHOUT BREAKAWAY DEVICE, ANCHOR BOLTS SHALL PROJECT 69.9 mm (2¾″) ABOVE TOP OF THE FOUNDATION. THE CONTRACTOR SHALL CONFIRM ANCHOR BOLT EXTENTION WITH ENGINEER.
8. RACEWAYS SHALL PROJECT 25.4 mm (1″) ABOVE THE TOP OF THE FOUNDATION.
9. CONCRETE SHALL BE CLASS "X". CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
10. THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERECTED.



BILL OF MATERIAL

MARK	NO.	SIZE	LENGTH	SHAPE
a	10	6	SEE BELOW	—
s	12	4	2.438 m (8′-0″)	▭
s_1	3	3	2.286 m (7′-6″)	▭
v_1	8	6	0.838 m (2′-9″)	—
v_2				

OFFSET SCHEDULE

SEWER DIAM. d IN.	PILE OFFSET from℄-MED'N FT.	LENGTH of BAR a FT.
UP TO 609.6 mm (24″)	0.991 m (3′-3″)	#6 x1.600 m (5′-3″)
685.8 m (27″)TO 914.4 mm (36″)	1.143 m (3′-9″)	1.753 m (5′-9″)
1066.8 mm (42″) TO 1219.2 mm (48″)	1.372 m (4′-6″)	1.981 m (6′-6″)
1371.6 mm (54″) TO 1524.0 mm (60″)	1.524 m (5′-0″)	2.134 m (7′-0″)
1676.4 mm (66″) TO 1828.8 mm (72″)	1.676 m (5′-6″)	2.286 m (7′-6″)

BE-310

REVISIONS	
NAME	DATE
S. MANLEY	12-2-93
A. SANEDRIN	12-26-94

ILLINOIS DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION
OFFSET
12.192m (40′) TO 14.478m (47½′) M.H.
381 mm (15″) BOLT CIRCLE

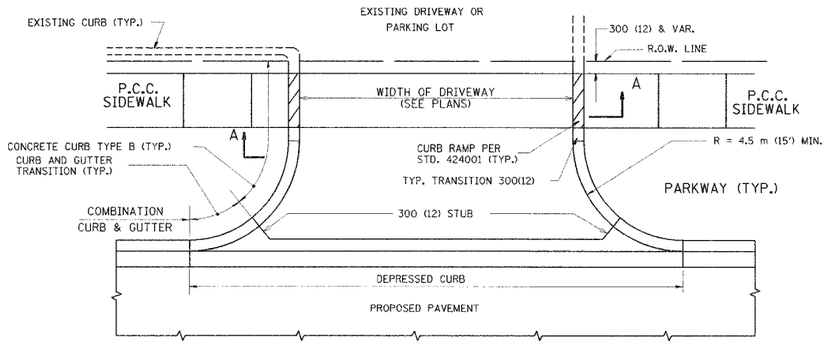
SCALE: NONE
DRAWN BY JKM
DATE 9/03/04
CHECKED BY

BE-310

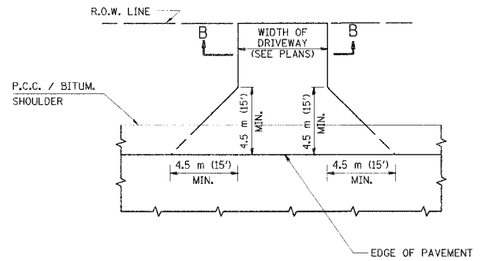
•DATE-TIME•
•DGN-SPEC•
VI-BE6
•USER•

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	54
STA		TO STA		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

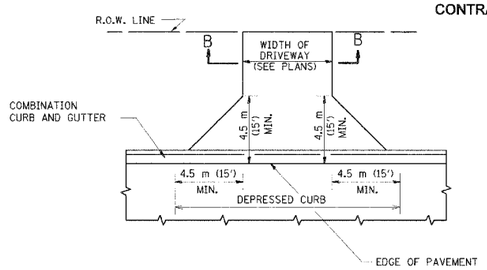
CONTRACT NO. 83773



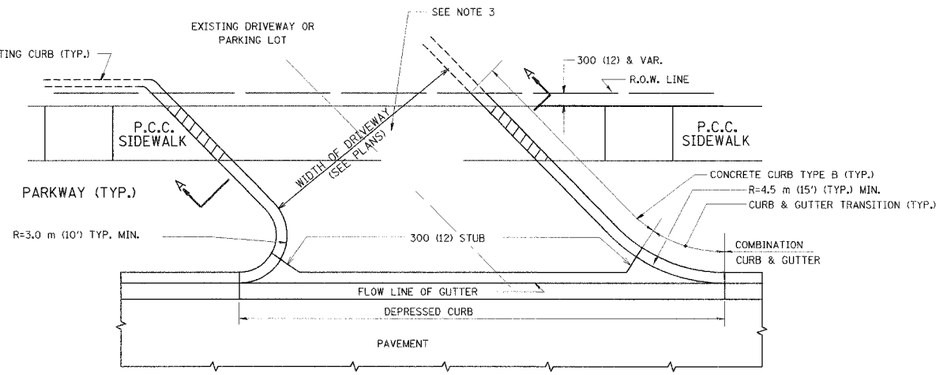
WITH CONCRETE CURB, TYPE B



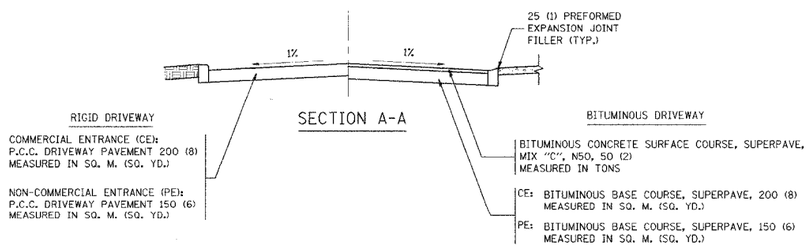
ADJACENT TO P.C.C. / BITUMINOUS SHOULDER

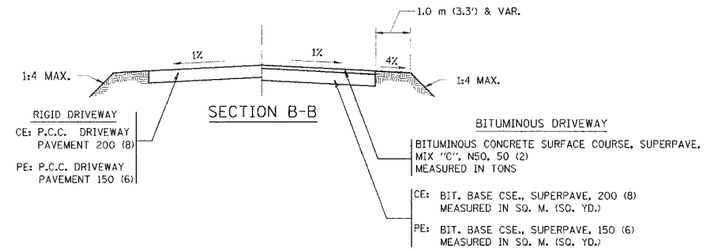


ADJACENT TO CURB AND GUTTER



WITH CONCRETE CURB, TYPE B





RURAL FIELD ENTRANCE (FE)

BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE MIX "C", N50, 50 (2) MEASURED IN TONS

AGGREGATE BASE CSE., TYPE A 200 (8) MEASURED IN SQ. M. (SQ. YD.)

GENERAL NOTES:

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

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

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

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

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

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

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED

TRANSYSTEMS CORPORATION
1031 PERIMETER DRIVE
SUITE 1000
SCHAUMBURG, IL 60173

DATE-TIME
DGN-SPEC
VHB01
USER

REVISIONS NAME	DATE
P. LaFLEUR	04-15-03
R. SHAH	11-04-95
J. POLLASTRINI	08-12-96
J. POLLASTRINI	12-14-96
A. ABBAS	03-21-97
T. HOLTZ	04-08-97
M. GOMEZ	04-06-01

ILLINOIS DEPARTMENT OF TRANSPORTATION

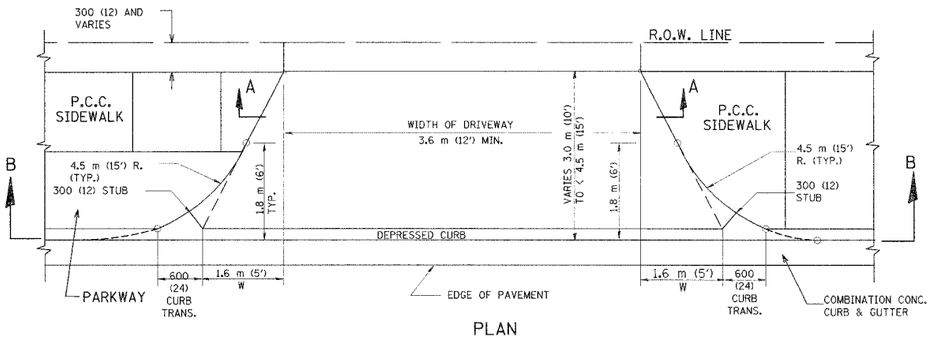
DRIVEWAY DETAILS DISTANCE BETWEEN R.O.W. AND FACE OF CURB / EDGE OF SHOULDER >= 4.5 m (15')

SCALE: VERT. HORIZ.
DATE: $$DATE$$
DRAWN BY
CHECKED BY

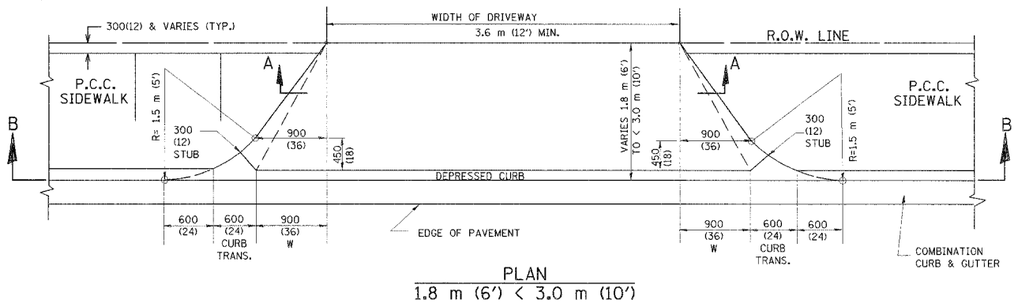
BD400-01 (BD-01)
REVISION DATE: 04/15/03

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	55
STA	TO STA			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

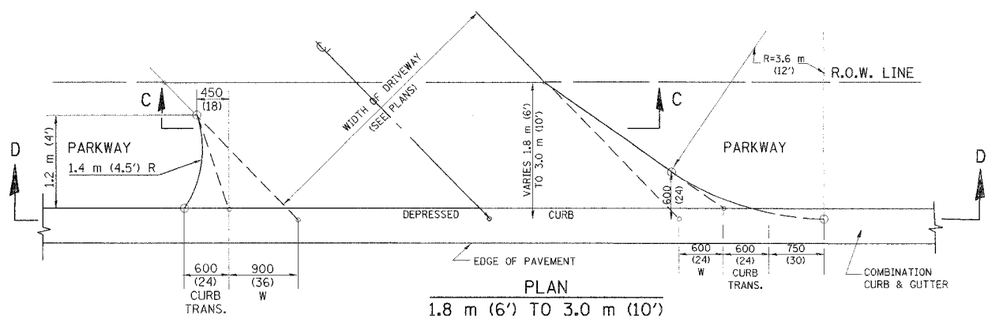
CONTRACT NO. 83773



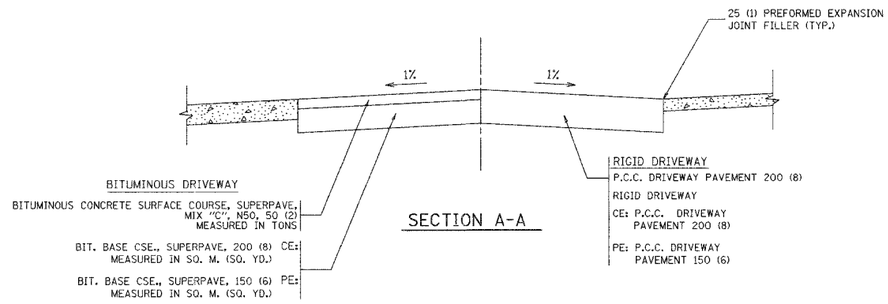
PLAN
3.0 m (10') TO < 4.5 m (15')



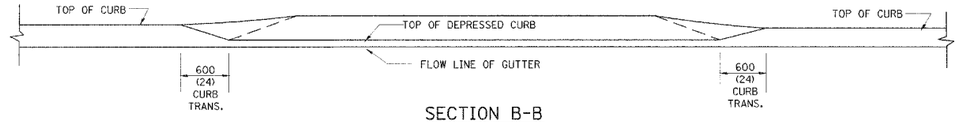
PLAN
1.8 m (6') < 3.0 m (10')



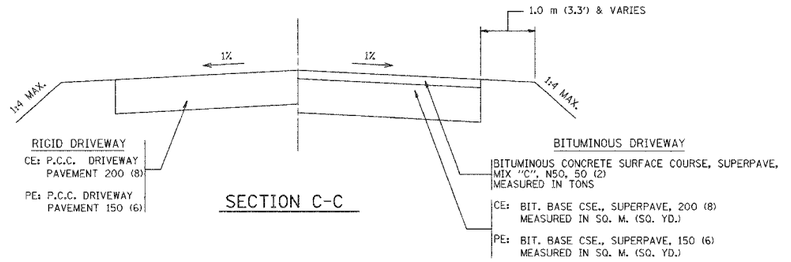
PLAN
1.8 m (6') TO 3.0 m (10')



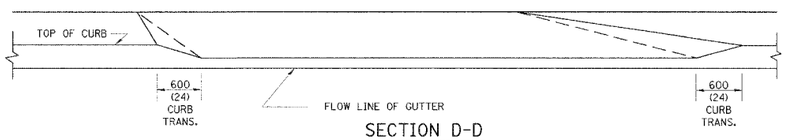
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

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

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

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

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

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

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

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

REVISIONS	
NAME	DATE
P. LaFLEUR	04/15/03
M. GOMEZ	04/06/01
R. SHAH	11/06/95
J. POLLASTRINI	08/12/96
J. POLLASTRINI	12/14/96
A. ABBAS	03/21/97
T. HOLTZ	04/08/97

ILLINOIS DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS DISTANCE BETWEEN ROW AND FACE OF CURB < 4.5 m (15')

SCALE: VERT.
HORIZ.
DATE: $$DATE$$

DRAWN BY
CHECKED BY

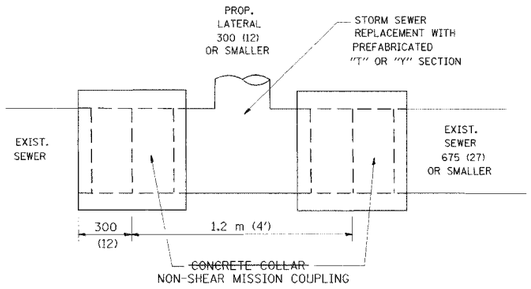
BD400-02 (BD-02)
REVISION DATE: 04/15/03

TRANSYSTEMS CORPORATION
101 PERIMETER DRIVE
SUITE 100
SCHAUMBURG, IL 60173

DATE-TIME
DGN-SPEC
V1-BD02
USER

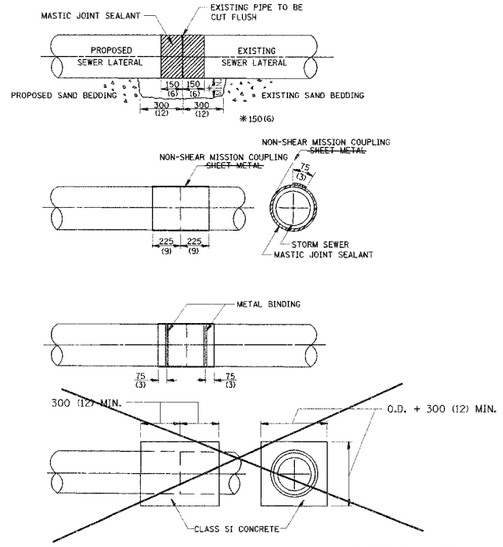
F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	56
STA	TO STA			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER
OF 675 (27) OR SMALLER

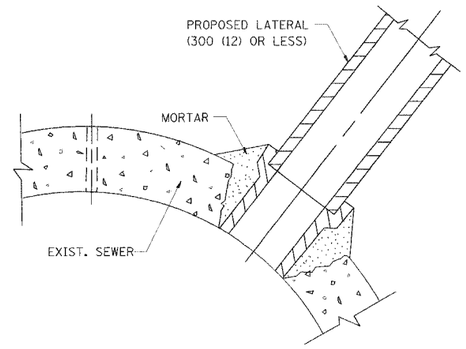


DETAIL "B"

~~CLASS SI CONCRETE COLLAR~~
NON-SHEAR MISSION COUPLING

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 150 (6) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 300 x 150 (12 x 6) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. ~~CUT A PIECE OF SHEET METAL GAGE NO. 19 L.I (0.0418) 450 (18) WIDE BY THE OUTSIDE CIRCUMFERANCE OF THE PIPE PLUS 75 (3) LONG.~~ INSTALL THE NON-SHEAR MISSION COUPLING
5. ~~WRAP THE SHEET METAL~~ AROUND THE PIPES, 225 (9) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. ~~LAP THE SHEET METAL AT LEAST 75 (3) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.~~
7. PLACE TWO METAL BANDS AROUND THE ~~SHEET METAL AND TIGHTEN.~~ NON-SHEAR MISSION COUPLING.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOZES OUT FROM BETWEEN THE ~~SHEET~~ COUPLING ~~METAL~~ AND THE PIPES.
9. ~~PLACE CLASS SI CONCRETE AROUND THE JOINT.~~



DETAIL "C"

PROPOSED LATERAL
CONNECTION TO EXISTING SEWER
OF 750 (30) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

I THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.

II CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:

A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 675 (27) OR SMALLER SEE DETAIL "A" AND "B".

B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 750 (30) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS. THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED ~~CONCRETE COLLAR,~~ AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED. NON-SHEAR MISSION COUPLING

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

NON-SHEAR MISSION COUPLING ~~CONCRETE COLLAR~~ FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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

REVISIONS	
NAME	DATE
M. DE YONG	07/25/90
M. DE YONG	02/05/92
M. DE YONG	05/08/92
R. SHAH	09/09/94
R. SHAH	10/25/94
R. SHAH	06/12/96

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER

SCALE: VERT.
HORIZ.
DATE $$DATE$$

DRAWN BY CADD
CHECKED BY

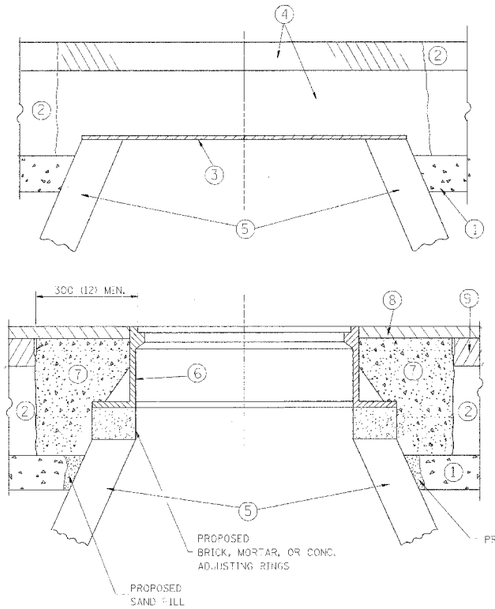
BD500-01 (BD-7)
REVISION DATE: 06/12/96

TRANSYSTEMS CORPORATION
1015 FORMATER DRIVE
SUITE 1000
SCHAUMBURG, IL 60173

DATE-TIME
DGN-SPEC
V:\BD\
USER

F. A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2832	00-00218-00-FP	COOK	108	57
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

A) REMOVE A MINIMUM OF 300 (12) OF THE PAVEMENT FROM AROUND THE STRUCTURE.

B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.

C) COVER THE STRUCTURE OPENING WITH A 900 (36) DIAMETER METAL PLATE.

D) BACK-FILL WITH CRUSHED STONE AND A MINIMUM 40 (1½) THICK BITUMINOUS MATERIAL APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

A) REMOVE THE BITUMINOUS MATERIAL AND CRUSHED STONE.

B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.

C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS SI CONCRETE, OR BITUMINOUS CONCRETE SURFACE OR BINDER COURSE MATERIAL TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS.

LEGEND

1. SUB-BASE GRANULAR MATERIAL
2. EXISTING PAVEMENT
3. 900 (36) DIAMETER METAL PLATE
4. PROPOSED CRUSHED STONE AND BITUMINOUS MATERIAL
5. EXISTING STRUCTURE
6. FRAME AND LID (SEE NOTES)
7. CLASS SI CONCRETE, BITUMINOUS CONCRETE SURFACE OR BINDER COURSE MATERIAL
8. PROPOSED BITUMINOUS CONCRETE SURFACE COURSE
9. PROPOSED BITUMINOUS CONCRETE BINDER COURSE

NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT: FRAMES AND LIDS TO BE ADJUSTED, SPECIAL EACH

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN

REVISIONS	
NAME	DATE
R. SHAH	10/25/94
R. SHAH	01/30/95
R. SHAH	03/10/95
A. ABBAS	03/21/97
R. WIEDEMAN	05/14/04

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

SCALE: NONE — DRAWN BY

DATE: 05/17/2004 — CHECKED BY

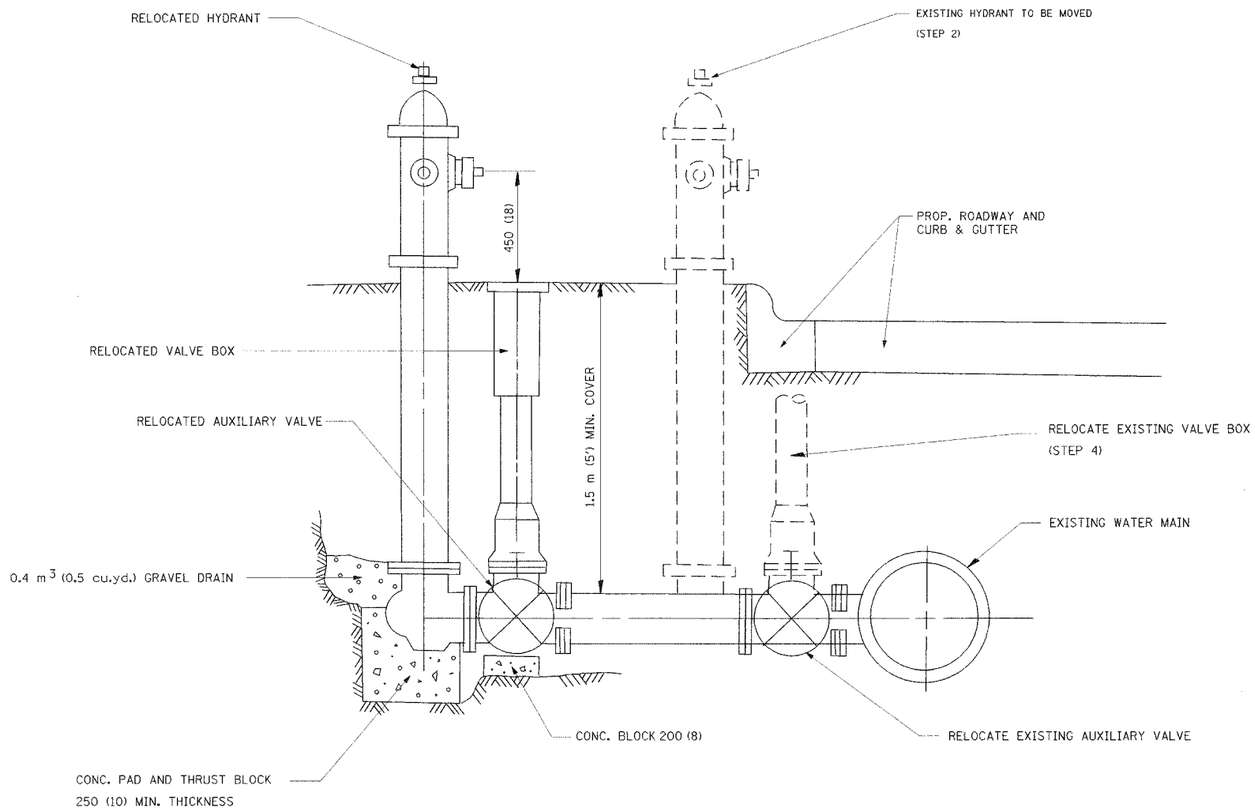
BD600-03 (BD-8)

REVISION DATE: 05/17/04

05/17/2004
K:\dtestsht\bd08.dgn
VI-BDB
LEYSA

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	58
STA	TO STA			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



SEQUENCE OF CONSTRUCTION:

1. SHUT DOWN EXISTING WATERMAIN.
2. REMOVE EXISTING HYDRANT, AUXILIARY VALVE AND VALVE BOX.
3. INSTALL HYDRANT EXTENSION.
4. RELOCATE EXISTING HYDRANT, AUXILIARY VALVE AND VALVE BOX.
5. OPEN WATER MAIN AND RELOCATED VALVE, RELOCATE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

ALL WORK TO BE DONE IN ACCORDANCE WITH ARTICLE 564 OF THE STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL NOTIFY THE DISTRIBUTION AND SEWER CHIEF, TOM JACKSON, 48 HOURS IN ADVANCE OF THE WATER MAIN SHUT DOWN AT (847) 866-2945.

FIRE HYDRANT TO BE MOVED

TRANSYSTEMS CORPORATION
8501 PERIMETER DRIVE
SUITE 200
SCHAUMBURG, IL 60173

DATE-TIME
DGN SPEC
VI-BD36
USER

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

REVISIONS	
NAME	DATE
R. SHAH	09/09/94
R. SHAH	10/25/94

ILLINOIS DEPARTMENT OF TRANSPORTATION

FIRE HYDRANT
TO BE MOVED

SCALE: NONE
DATE: 9/03/04

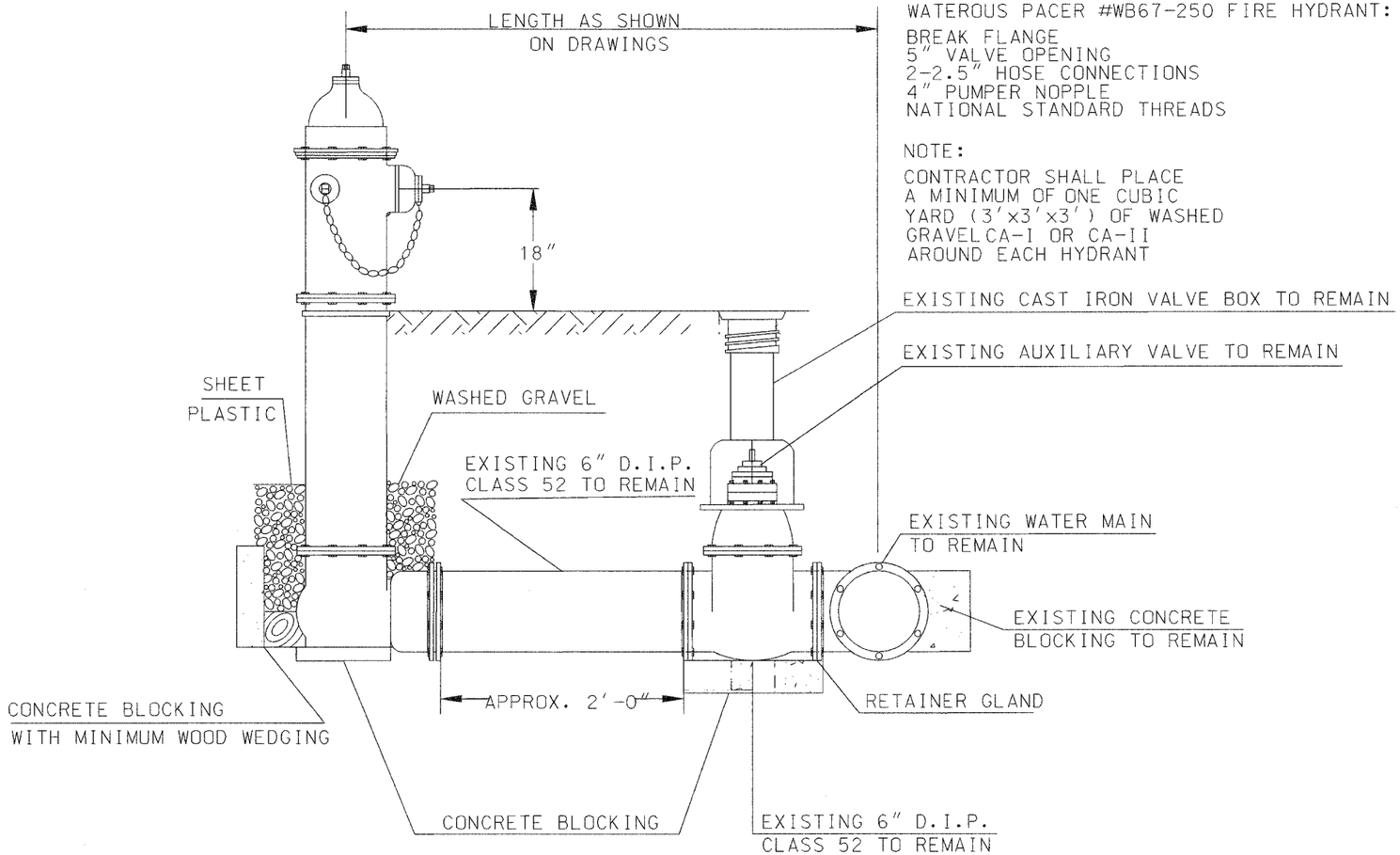
DRAWN BY
CHECKED BY

BD500-03 (BD-36)

REVISION DATE: 10/25/94

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	59
STA		TO STA		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



WATEROUS PACER #WB67-250 FIRE HYDRANT:

BREAK FLANGE
5" VALVE OPENING
2-2.5" HOSE CONNECTIONS
4" PUMPER NOPPLE
NATIONAL STANDARD THREADS

NOTE:

CONTRACTOR SHALL PLACE A MINIMUM OF ONE CUBIC YARD (3'x3'x3') OF WASHED GRAVEL CA-I OR CA-II AROUND EACH HYDRANT

FIRE HYDRANT DETAIL

CITY OF EVANSTON WATER DEPARTMENT

TRANSYSTEMS CORPORATION
1055 PERIMETER DRIVE
SUITE 1025
SCHAUMBURG, IL 60173

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

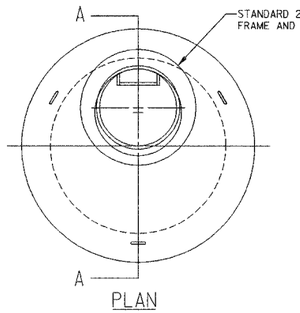
CITY OF EVANSTON
FIRE HYDRANT

SCALE: NONE
DATE: 9/03/04

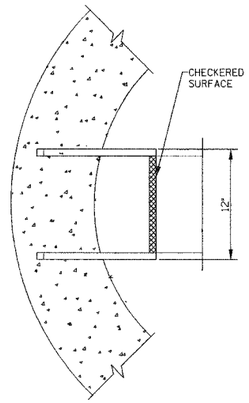
DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	60
STA		TO STA		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



PLAN



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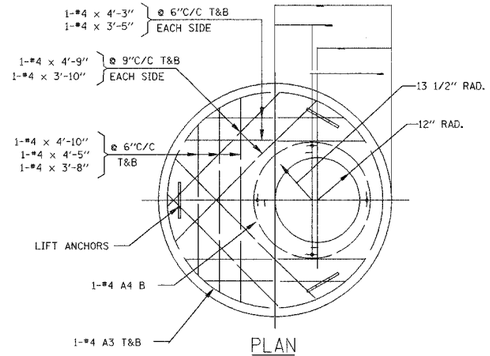

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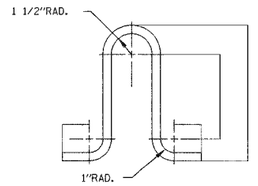
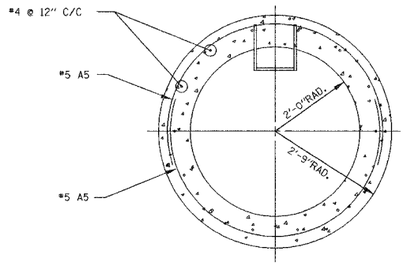
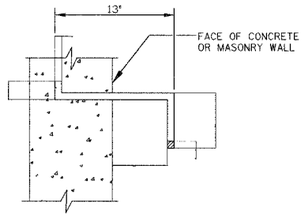


LIFT ANCHOR DETAIL

SCALE: 3" = 1'-0"
MATERIAL: 5/8" DIA. x 2'-3"A-36 STEEL ROD GALVANIZED AFTER FABRICATION



SECTIONAL PLAN

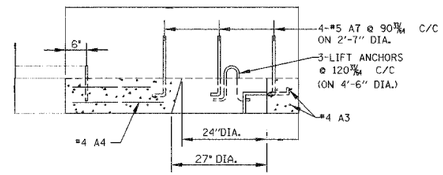


ELEVATION

MANHOLE STEPS
SCALE: 2"= 1'- 0"

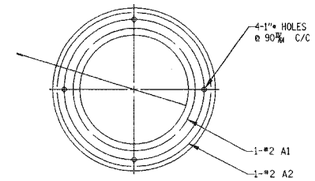
MATERIAL:

DUCTILE IRON GRADE 65-45-12
FULLY ANNEALED CONFORMING
TO ASTM SPECIFICATIONS

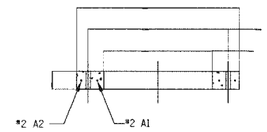


SECTION
PRECAST TOP SLAB DETAIL

SCALE: 3/4" = 1'-0"

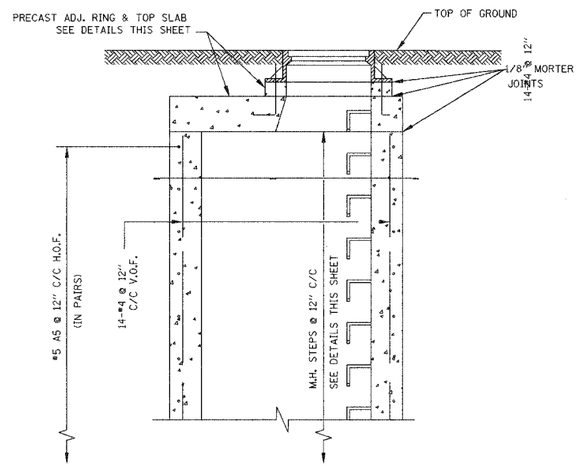


PLAN



SECTION
PRECAST ADJUSTMENT RING DETAIL

SCALE: 1" = 1'-0"



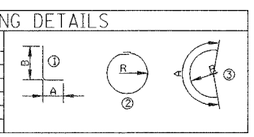
SECTION "A-A"

STANDARD MANHOLE BARREL

SCALE: 3/4" = 1'-0"

RE-BAR BENDING DETAILS

MARK	SIZE	LENGTH	TYPE	A	B	R
A1	#2	7'-6"	②	–	–	13 1/2"
A2	#2	9'-6"	②	–	–	17"
A3	#4	15'-0"	②	–	–	29 1/2"
A4	#4	9'-3"	②	–	–	16 1/2"
A5	#5	8'-9"	③	8'-9"	–	29 1/2"
A7	#5	2'-0"	①	6"	1'-6"	–



NOTE:

9" THICK PRECAST CONCRETE RINGS WITH CAST IN PLACE RUNGS MAY BE USED IN PLACE OF CAST IN PLACE CONCRETE WHEN EXTENDING THE HEIGHT OF THE MANHOLE BARREL. ALL EXTENSION SHALL BE IN ONE PIECE AND IN INCREMENTS OF 12".

ALL JOINTS SHALL BE CLEANED, SQUARED AND GROUTED IN A MANNER TO PRECLUDE POSSIBILITY OF LEAKS AT JOINT.

THE PRECAST TOP SLAB SHALL BE REMOVED AND REPLACED AS REQUIRED.

ALL ELEMENTS OF THE MANHOLE DISTURBED OR DAMAGED DURING ALTERATION SHALL BE CORRECTED OR REPLACED TO MEET THE STANDARD HEREIN SHOWN AND SPECIFIED.

ALL CONCRETE SHALL BE CLASS "R".

ALL GROUT SHALL BE 1 PART CEMENT TO 3 PARTS SAND WITH MINIMUM WATER TO ACHIEVE A STIFF PLASTIC CONSISTANCY WITH ZERO SLUMP.

ALL WORKMANSHIP AND MATERIALS NOT SPECIFIED SHALL BE AS PER STANDARD PREPRINTED MWRDGC SPECIFICATIONS TITLED:
GENERAL SPECIFICATIONS - CONSTRUCTION CONTRACTS
GENERAL SPECIFICATIONS - SEWERS
GENERAL SPECIFICATIONS - CONCRETE

PROCEDURE:

A) TO RAISE ELEVATION 0" TO 8" MAX., ADD 4" THICK ADJUSTMENT RINGS AS DETAILED. INCREMENTS OF LESS THAN 4" SHALL BE OBTAINED BY HAND PACKING A DRY CEMENT GROUT OVER 100% OF THE BEARING AREA.

B) TO RAISE ELEVATION OVER 8" AND LESS THAN 12", REMOVE THE 4" ADJUSTMENT RING AND EXTEND THE 9" THICK MANHOLE BARREL 12" WITH CAST IN PLACE CONCRETE REINFORCED AS DETAILED AND WITH LADDER RUNG AS DETAILED. TOP OF EXISTING CONCRETE TO BE CLEANED AND ROUGHENED AND NEW CONCRETE PLACED IN A MANNER TO INSURE BONDING AND NO LEAKAGE. FOR INCREMENTS BETWEEN 8" AND 12" PLACE GROUT FILLER AS IN (A) ABOVE.

C) TO RAISE ELEVATION 12" AND ABOVE, ADD TO 9" THICK MANHOLE BARREL ONLY IN INCREMENTS OF 12" WITH RUNGS AT 12" O.C. AS DESCRIBED IN (B). FOR INCREMENTS BETWEEN 12" ADD OR REMOVE 4" ADJUSTMENT RINGS AND GROUT FILLER AS DESCRIBED IN (A) AND (B).

D) TO LOWER ELEVATION 0" TO 4", REMOVE 4" THICK ADJUSTMENT RING AND FILL INCREMENTS OF 0" TO 4" WITH GROUT AS DESCRIBED IN (A).

E) TO LOWER ELEVATION MORE THAN 4", REMOVE 9" THICK MANHOLE BARREL ONLY IN INCREMENTS OF 12" AND ADD OR REMOVE 4" THICK ADJUSTMENT RINGS AND GROUT AS REQUIRED AND AS DESCRIBED IN (A) AND (B).

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MWRDGC STANDARD NO. 8-121
PROCEDURE FOR ADJUSTING
ELEVATION OF EXISTING
48" DIA. STANDARD MANHOLE
McCORMICK BOULEVARD

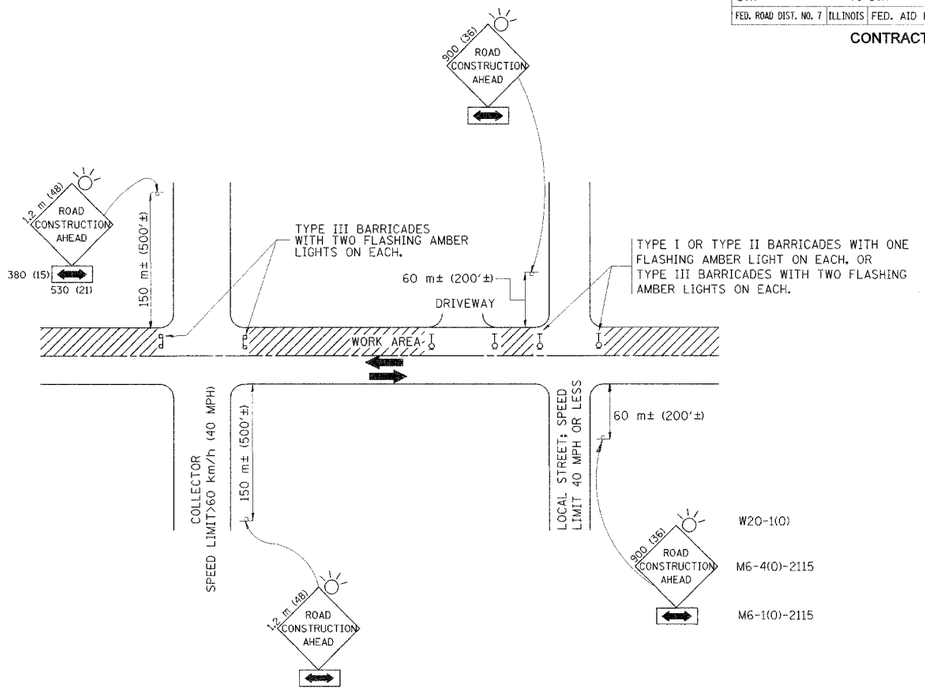
DATE 9/03/04
DRAWN BY GEW
CHECKED BY PAS

NOT TO SCALE

TRANSYSTEMS CORPORATION
10151 PERIMETER DRIVE
SUITE 300
SCHAUMBURG, IL 60173

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	61
STA		TO STA		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



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

NOTES:

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

1. SIDE ROAD WITH A SPEED LIMIT OF 60 km/h (40 MPH) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 900x900 (36x36) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 60 m (200') IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.

2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 60 km/h (40 MPH) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 1.2 m x 1.2 m (48x48) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 150 m (500') IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.

3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

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

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

REVISIONS	
NAME	DATE
LHA	6/89
T. RAMMACHER	09/08/94
J. OBERLE	10/18/95
A. HOUSEH	03/06/96
A. HOUSEH	10/15/96
T. RAMMACHER	01/06/00

ILLINOIS DEPARTMENT OF TRANSPORTATION

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

SCALE: VERT. HORIZ. DRAWN BY

DATE $$DATE$$ CHECKED BY

TC-10

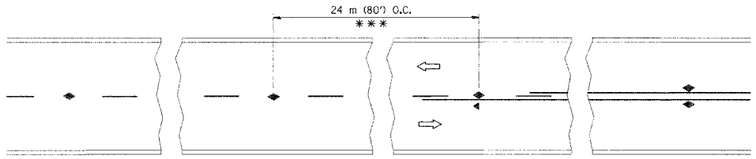
REVISION DATE: 01/06/00

TRANSYSTEMS CORPORATION
9511 FORMELTER DRIVE
SUITE 1000
SCHAUMBURG, IL 60173

•DATE-TIME•
•XON SPEC•
•USER•

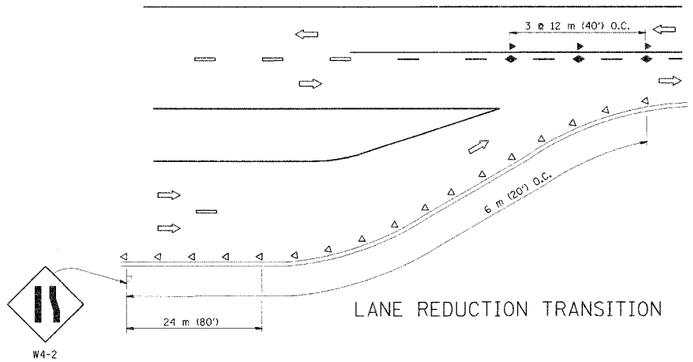
F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	62
STA		TO STA		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

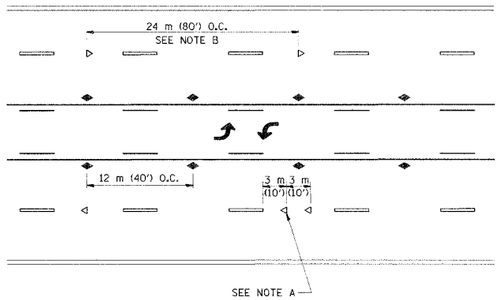


* * * REDUCE TO 12 m (40') O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 70 km/h (45 M.P.H.) OR LESS.

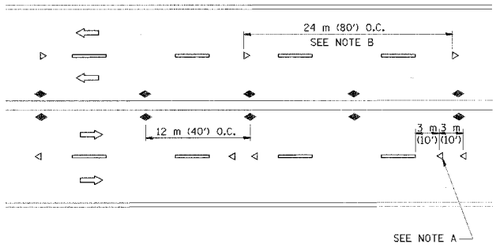
TWO-LANE/TWO-WAY



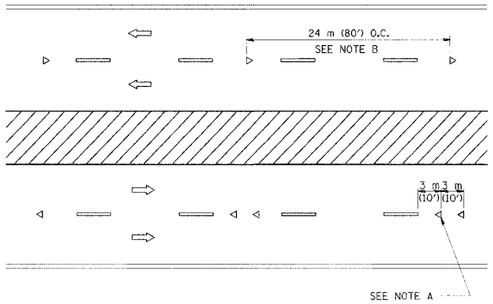
LANE REDUCTION TRANSITION



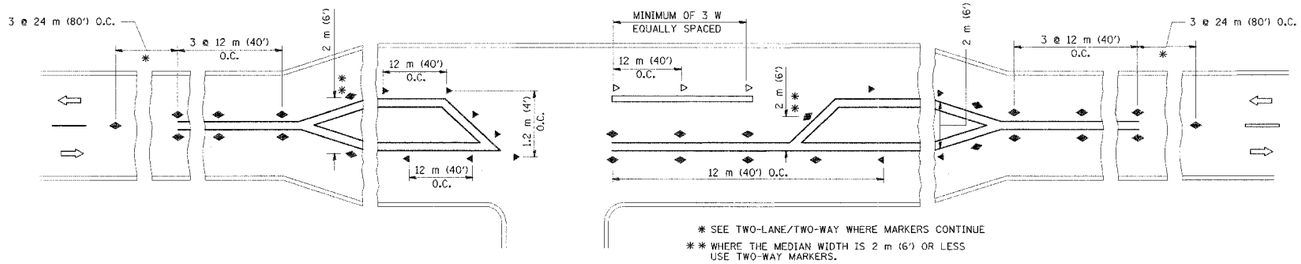
TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED



* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE

** WHERE THE MEDIAN WIDTH IS 2 m (6') OR LESS USE TWO-WAY MARKERS.

LEFT TURN

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 50 TO 75 (2 TO 3) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 150 m (500') IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

LANE MARKER NOTES

B. REDUCE TO 12 m (40') O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 20 km/h (10 M.P.H.) LOWER THAN POSTED SPEEDS.

A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

SYMBOLS

- YELLOW STRIPE
- WHITE STRIPE
- ONE-WAY AMBER MARKER
- ONE-WAY CRYSTAL MARKER (W/O)
- TWO-WAY AMBER MARKER

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.

TRANSYSTEMS CORPORATION
10251 FORMICTER DRIVE
SUITE 105
SCHAUMBURG, IL 60173

DATE-TIME
DGN-SPEC
V4-TCII
USER

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

REVISIONS	
NAME	DATE
T. RAMMACHER	09-19-94
T. RAMMACHER	03-12-99
T. RAMMACHER	01-06-00

ILLINOIS DEPARTMENT OF TRANSPORTATION

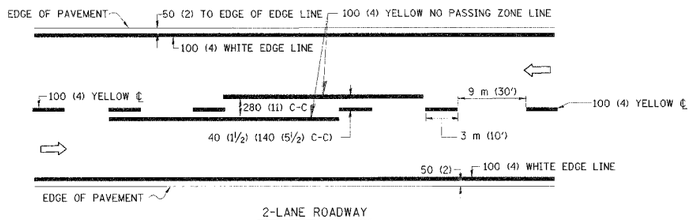
TYPICAL APPLICATIONS
RAISED REFLECTIVE PAVEMENT MARKERS
(SNOW-PLOW RESISTANT)

SCALE: NONE
DATE: $$DATE$$

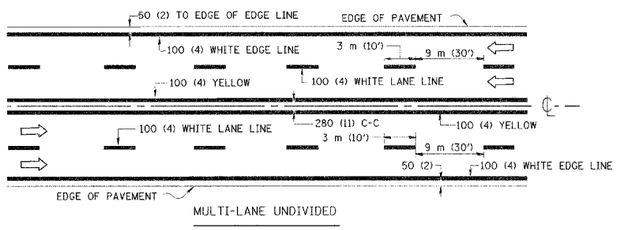
DRAWN BY CADD
CHECKED BY
TC-11
REVISION DATE: 01/06/00

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	63
STA	TO STA			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

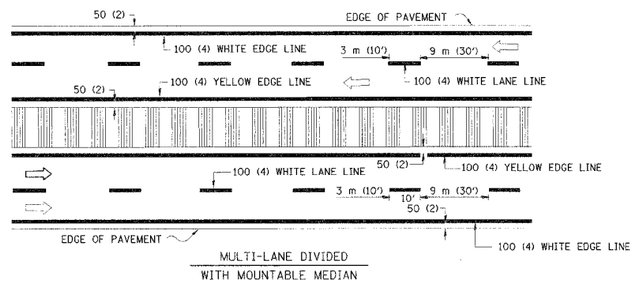
CONTRACT NO. 83773



2-LANE ROADWAY



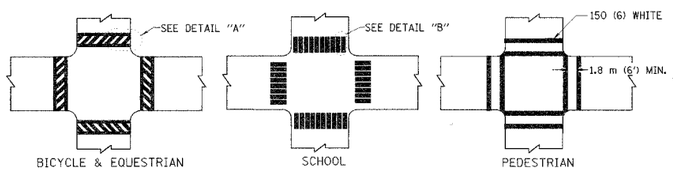
MULTI-LANE UNDIVIDED



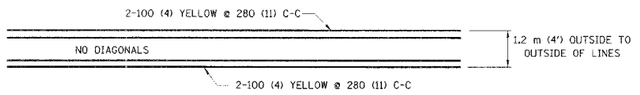
MULTI-LANE DIVIDED
WITH MOUNTABLE MEDIAN

NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

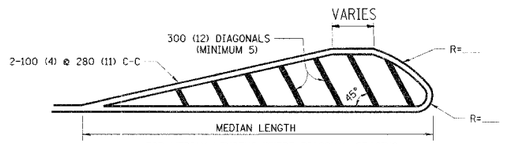
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING



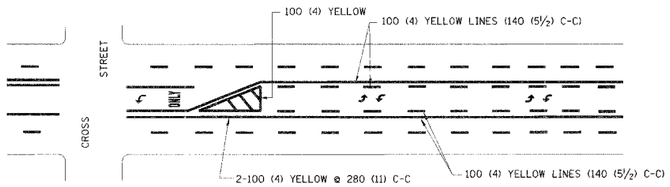
1.2 m (4') WIDE MEDIANS ONLY



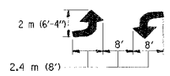
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 15 m (50') C-C (LESS THAN 50 km/h (30 MPH))
25 m (75') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH))
45 m (150') C-C (MORE THAN 70 km/h (45 MPH))

MEDIANS OVER 1.2 m (4') WIDE

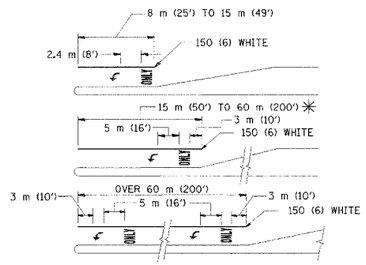


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 60 m (200') TO 90 m (300') INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

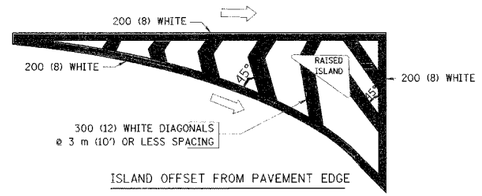


FULL SIZE LETTERS 2.4 m (8') AND ARROWS SHALL BE USED.
↰ AREA = 1.5 m² (15.6 SQ. FT.) ONLY AREA = 1.9 m² (20.8 SQ. FT.)

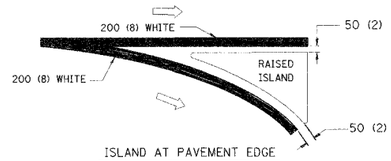
✳ TURN LANES IN EXCESS OF 120 m (400') IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	100 (4)	SKIP-DASH	YELLOW	3 m (10') LINE WITH 9 m (30') SPACE
CENTERLINE ON MULTI-LANE UNDIVEDED PAVEMENT	2 @ 100 (4)	SOLID	YELLOW	280 (11) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	100 (4) 2 @ 100 (4)	SOLID SOLID	YELLOW YELLOW	140 (5½) C-C FROM SKIP-DASH CENTERLINE 280 (11) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	100 (4) 125 (5) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	3 m (10') LINE WITH 9 m (30') SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	600 (2') LINE WITH 1.8 m (6') SPACE
EDGE LINES	100 (4)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	150 (6) LINE; FULL SIZE LETTERS & SYMBOLS (2.4 m (8'))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 100 (4) EACH DIRECTION 2.4 m (8') LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	3 m (10') LINE WITH 9 m (30') SPACE FOR SKIP-DASH; 140 (5½) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 150 (6) 300 (12) @ 45° 300 (12) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 1.8 m (6') APART 600 (2') APART 600 (2') APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	600 (24)	SOLID	WHITE	PLACE 1.2 m (4') IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 100 (4) WITH 300 (12) DIAGONALS @ 45° NO DIAGONALS USED FOR 1.2 m (4') WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	280 (11) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	200 (8) WITH 300 (12) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 4.5 m (15') C-C (LESS THAN 50 km/h (30 MPH)) 6 m (20') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH)) 9 m (30') C-C (OVER 70 km/h (45 MPH))
RAILROAD CROSSING	600 (24) TRANSVERSE LINES; "RR" IS 1.8 m (6') LETTERS; 400 (16) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=0.33m² (3.6 SQ. FT.) EACH "X"=5.0 m² (54.0 SQ. FT.)
SHOULDER DIAGONALS	300 (12) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	15 m (50') C-C (LESS THAN 50 km/h (30 MPH)) 25 m (75') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH)) 45 m (150') C-C (OVER 70 km/h (45 MPH))

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

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

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONE
DRAWN BY CADD
DATE **DATE**
CHECKED BY
TC-13

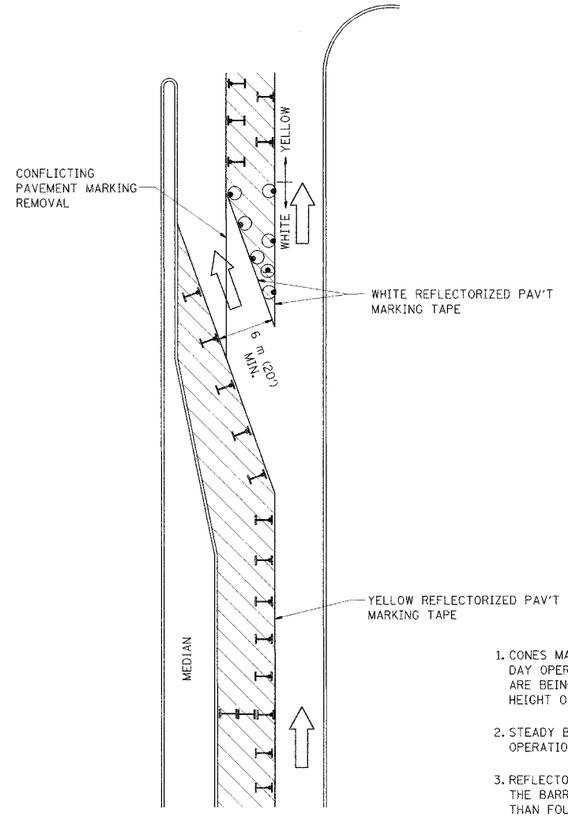
REVISION DATE: 01/06/00

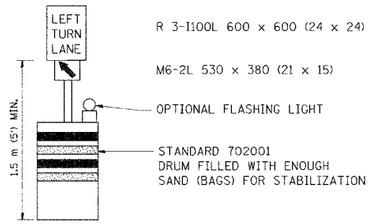
TRANSYSTEMS CORPORATION
525 FORESTER DRIVE
SUITE 105
SCHAUMBURG, IL 60173

DATE-TIME
DGN-SPEC
VI-TC13
USER

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	64
STA	TO STA			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773





GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 710 (28) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 1.5 m (5').
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 600 x 600 (24 x 24) AND M6-2R 530 x 380 (21 x 15) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM BT 725 IS REQUIRED.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

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

REVISIONS	
NAME	DATE
T. RAMMACHER	09/08/94
A. HOUSEH	11/07/95
A. HOUSEH	10/12/96
T. RAMMACHER	01/06/00

ILLINOIS DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION
AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)

SCALE: NONE — DRAWN BY

DATE: **DATE** — CHECKED BY LHA

TC-14

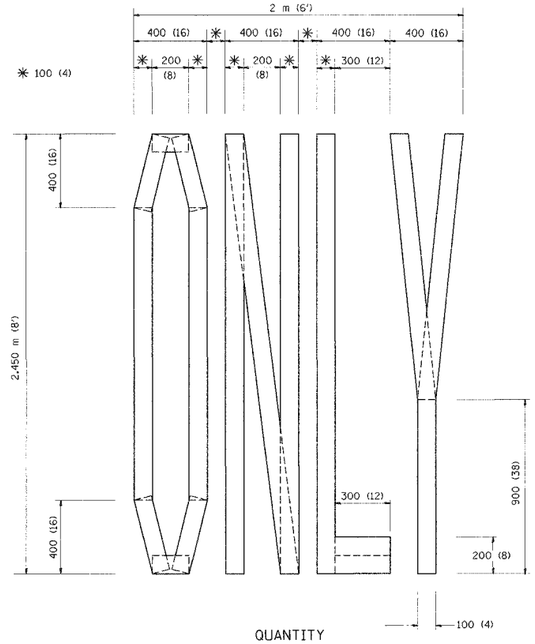
REVISION DATE: 01/06/00

TRANSYSTEMS CORPORATION
1051 PERIMETER DRIVE
SUITE 1025
SCHAUMBURG, IL 60173

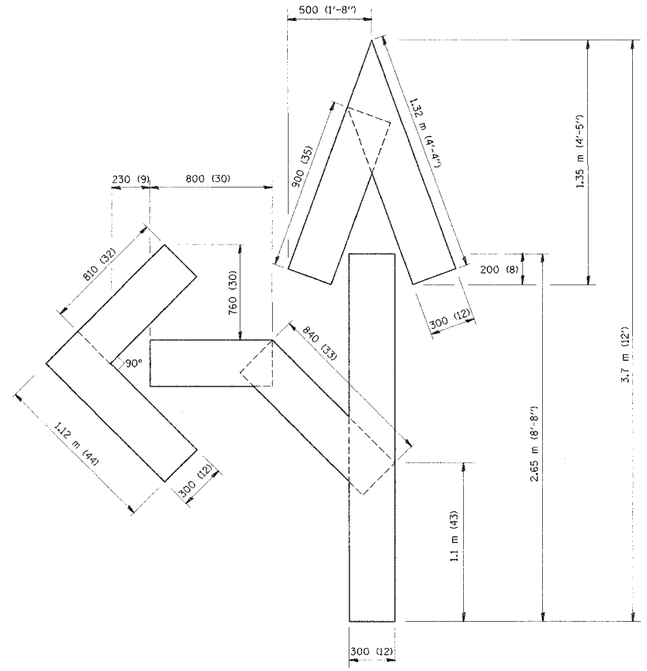
DATE-TIME
DGN-SPEC
VI-TC14
USER

F.A.U.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	65
STA	TO STA			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

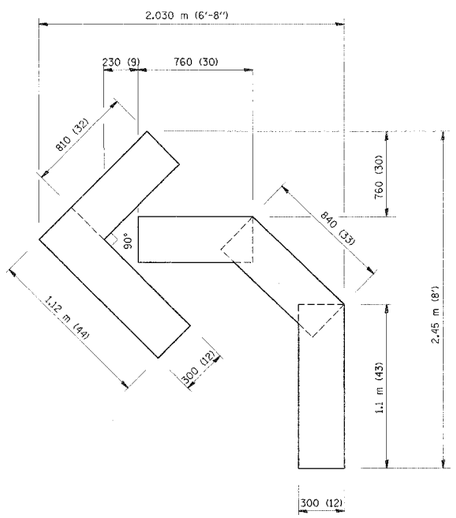
CONTRACT NO. 83773



QUANTITY
100 (4) LINE = 19.7 m (64.1 ft.)
1.97 sq. m (21.1 sq. ft.)



QUANTITY
100 (4) LINE = 25.3 m (82.5 ft.)
2.53 sq. m (27.5 sq. ft.)



QUANTITY
100 (4) LINE = 13.9 m (45.5 ft.)
1.39 sq. m (15.2 sq. ft.)

TRANSYSTEMS CORPORATION
101 PERIMETER DRIVE
SUITE 100
SCHAUMBURG, IL 60173

DATE TIME
DGN-SPEC
VIATCOS
USER

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

REVISIONS	
NAME	DATE
T. RAMMACHER	09/18/94
J. OBERLE	06/01/96
T. RAMMACHER	06/05/96
T. RAMMACHER	11/04/97
T. RAMMACHER	03/02/98
E. GOMEZ	08/28/00

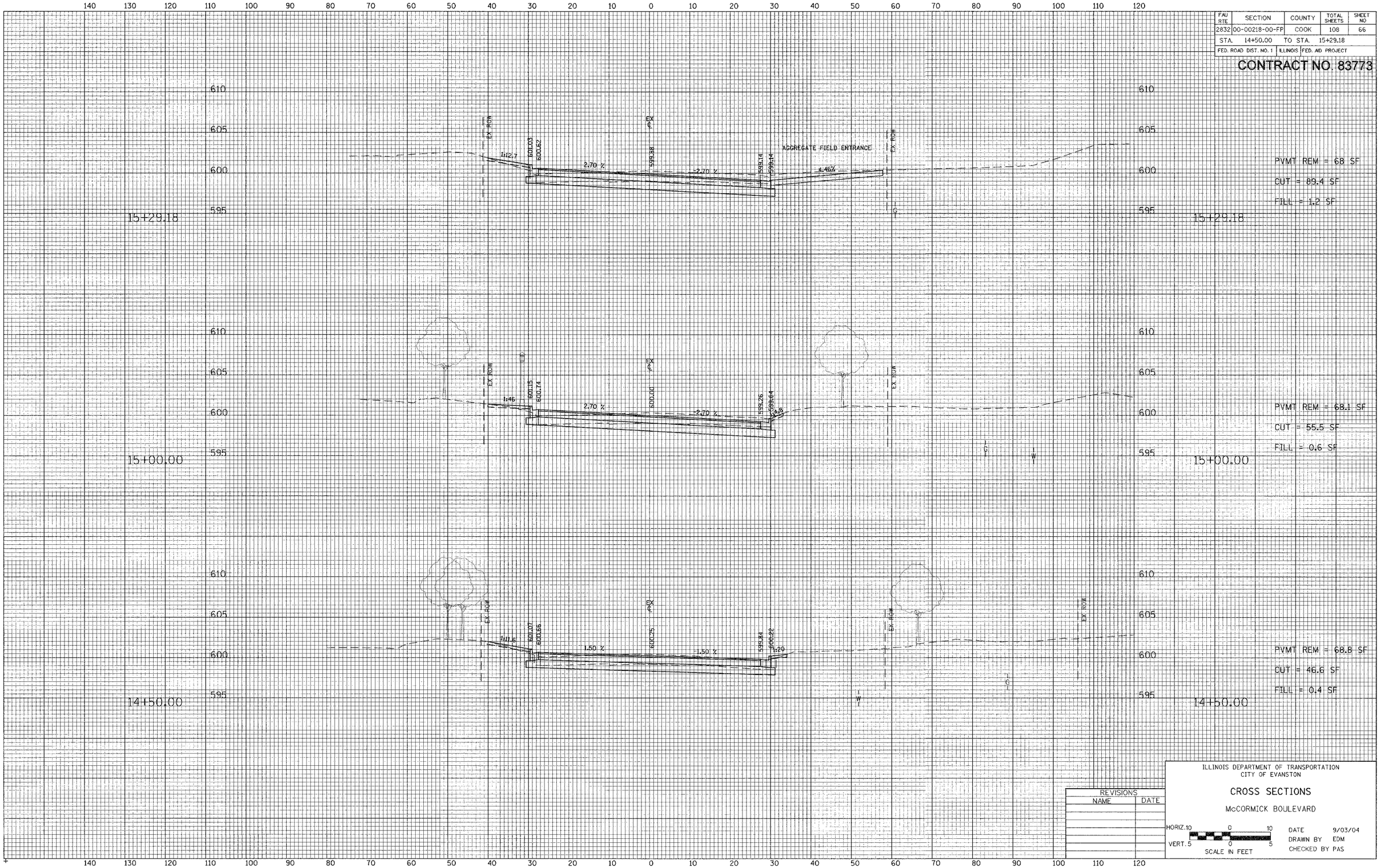
ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING

SCALE: NONE
DRAWN BY CADD
DATE **DATE**
CHECKED BY
TC-16
REVISION DATE: 08/28/00

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2832	00-00218-00-FP	COOK	108	66
STA. 14+50.00		TO STA. 15+29.18		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



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

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

McCORMICK BOULEVARD

HORIZ.10 0 10
VERT. 5 0 5
SCALE IN FEET

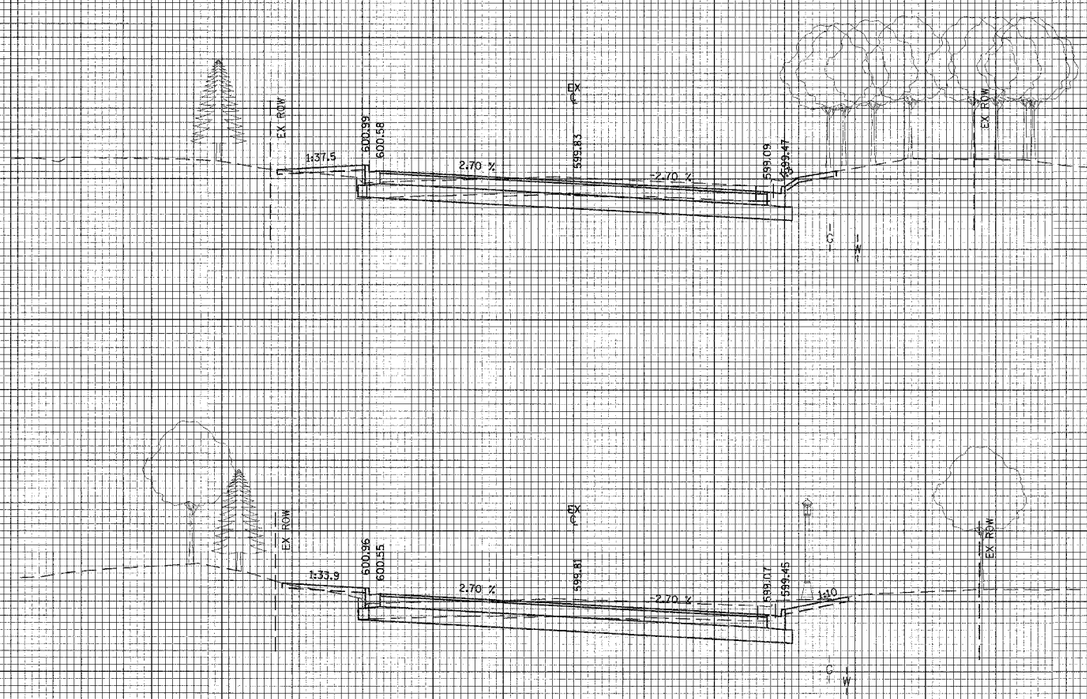
DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2832	00-00218-00-FP	COOK	108	67
STA. 15+75.00	TO STA. 16+00.00			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

FINAL SURVEY
SURVEYED
PLOTTED
NOTE BOOK
AREAS
AREAS CHECKED
NO.

ORIGINAL SURVEY
SURVEYED
PLOTTED
NOTE BOOK
AREAS
AREAS CHECKED
NO.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

McCORMICK BOULEVARD

HORIZ.10 0 10
VERT. 5 0 5
SCALE IN FEET

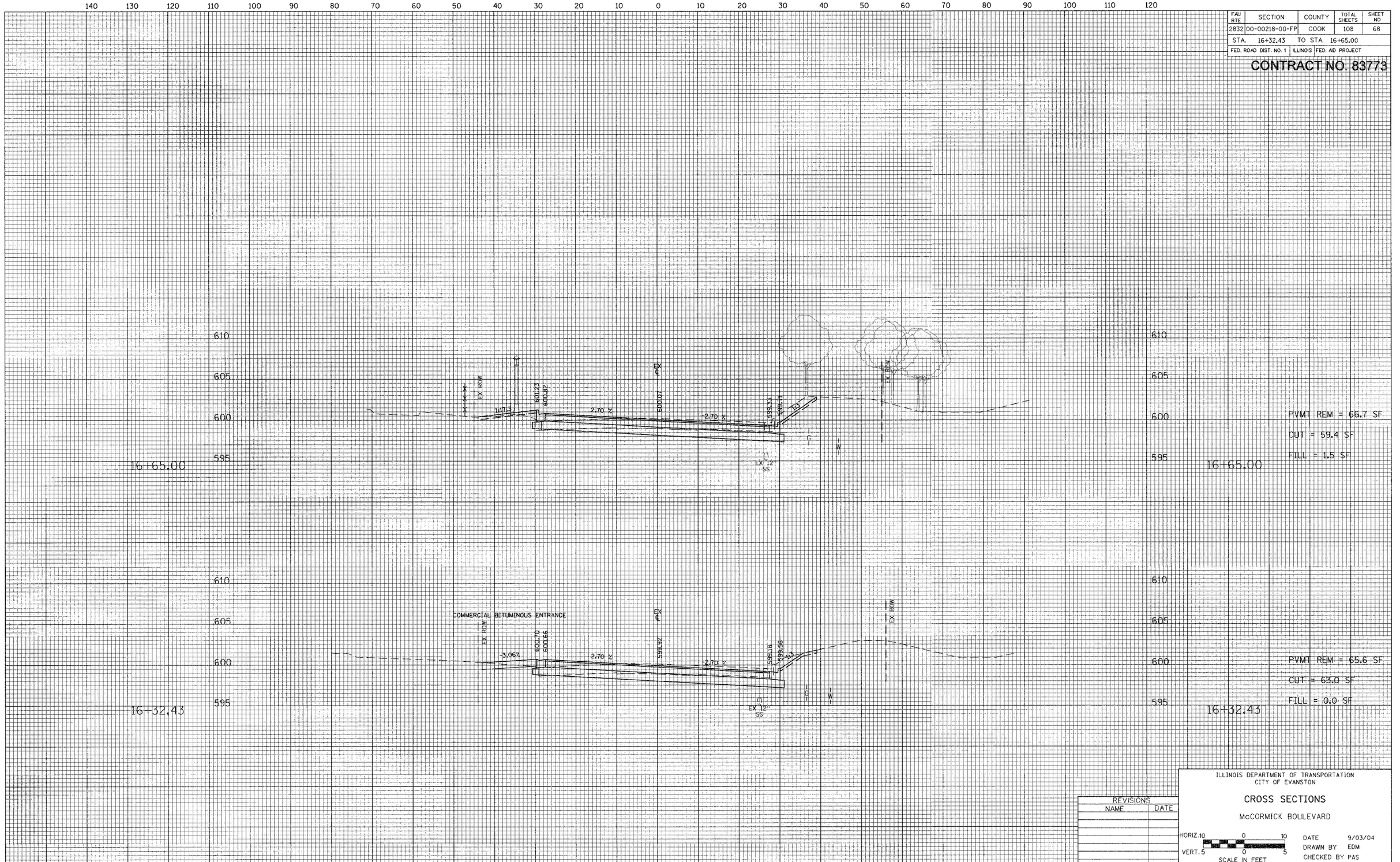
DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2832	00-00218-00-FP	COOK	108	68
STA. 16+32.43		TO STA. 16+65.00		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

FINAL SURVEY NOTE BOOK
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
DATE

ORIGINAL SURVEY NOTE BOOK
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
DATE



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

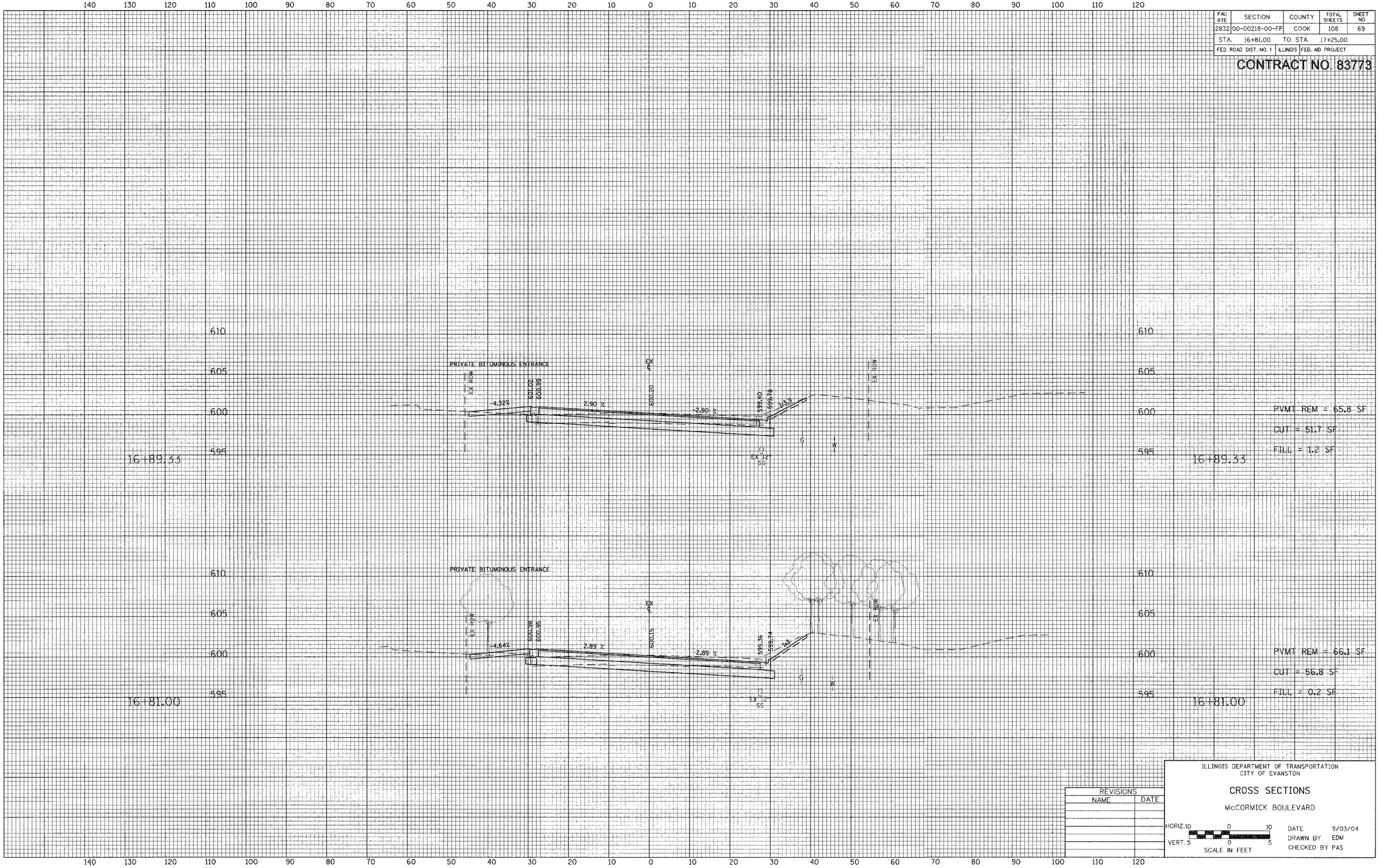
McCORMICK BOULEVARD

HORIZ. 10 0 10
VERT. 5 0 5
SCALE IN FEET

DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2832	00-00218-00-FP	COOK	108	69
STA. 16+81.00	TO STA. 17+25.00			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

McCORMICK BOULEVARD

HORIZ.10 0 10
VERT.5 0 5
SCALE IN FEET

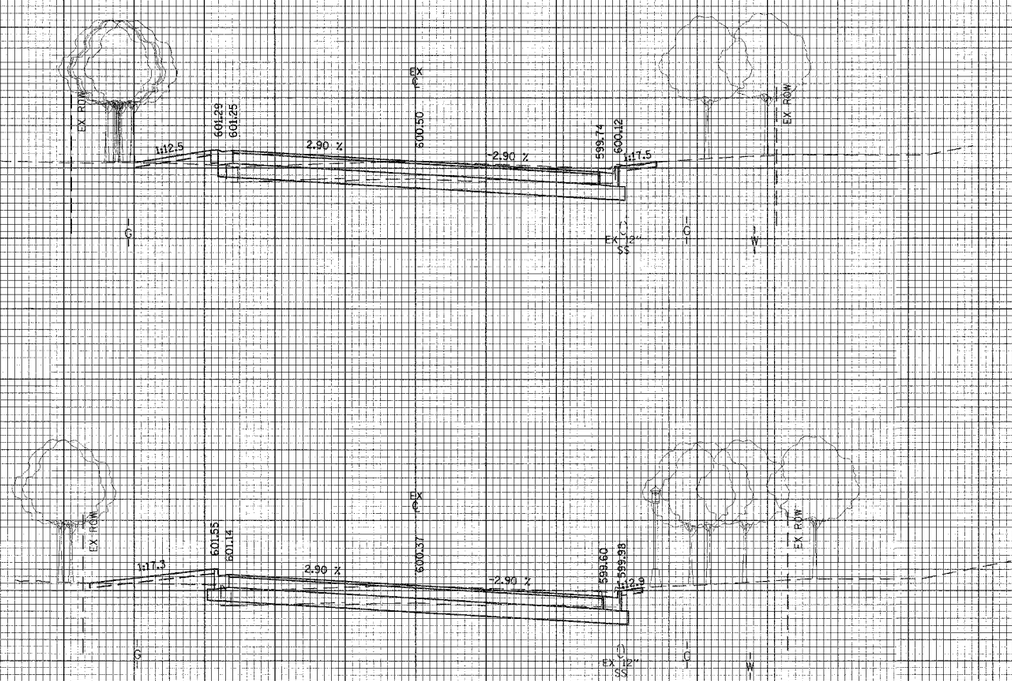
DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

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

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

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2632	00-00218-00-FP	COOK	108	70
STA. 17+50.00	TO STA. 17+64.32			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



PVMT REM = 61.8 SF
CUT = 57.3 SF
FILL = 2.7 SF

PVMT REM = 63.5 SF
CUT = 39.3 SF
FILL = 4.9 SF

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

McCORMICK BOULEVARD

HORIZ. 10 0 10
VERT. 5 0 5
SCALE IN FEET

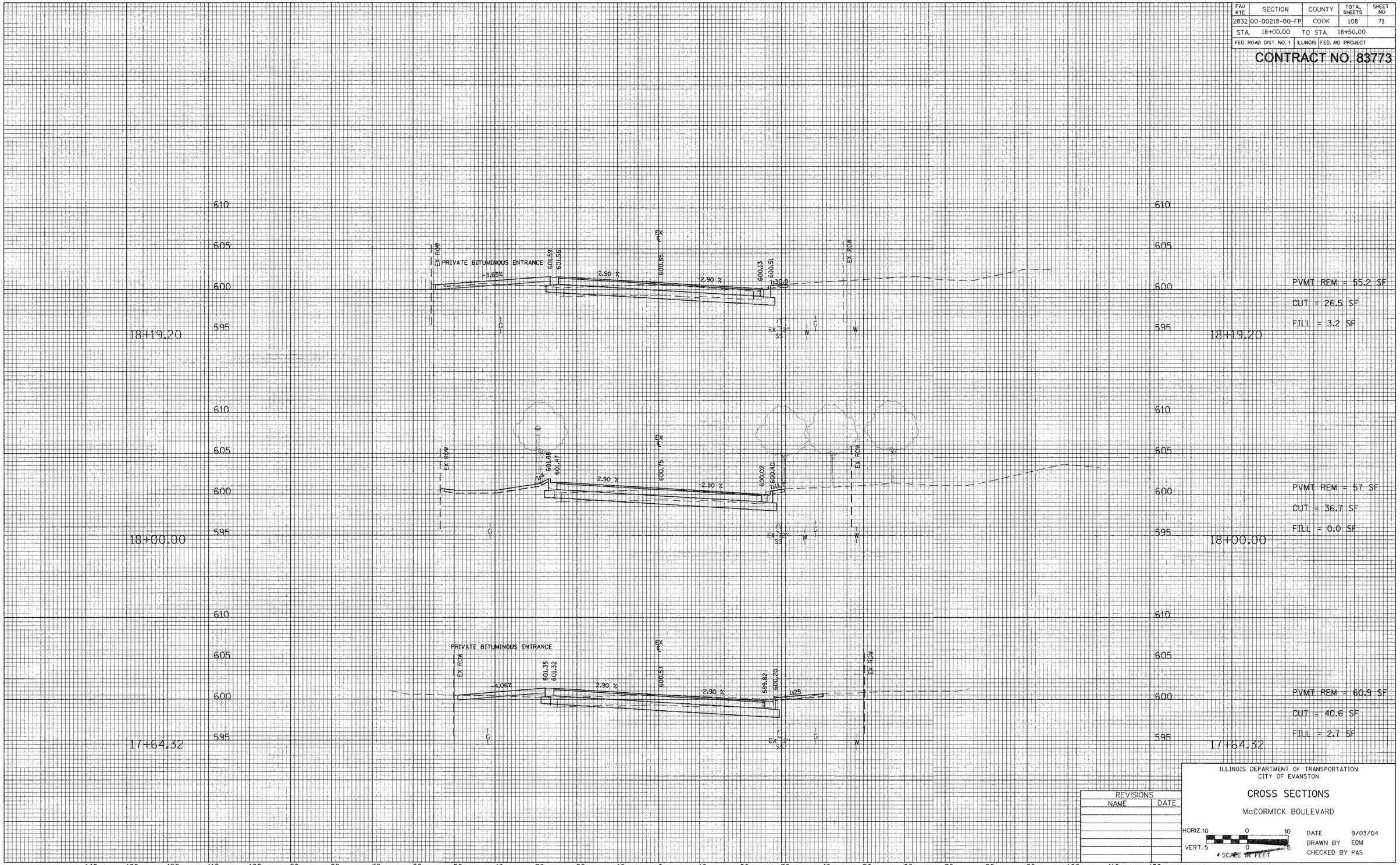
DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

FINAL SURVEY — SURVEYED — SCALE — BY — DATUM — NOTE BOOK — TEMPLATE — AREAS — NO. — AREAS CHECKED

ORIGINAL SURVEY — SURVEYED — SCALE — BY — DATUM — NOTE BOOK — TEMPLATE — AREAS — NO. — AREAS CHECKED

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2832	00-00218-00-FP	COOK	108	71
STA.	18+00.00	TO STA.	18+50.00	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

McCORMICK BOULEVARD

REVISIONS	
NAME	DATE

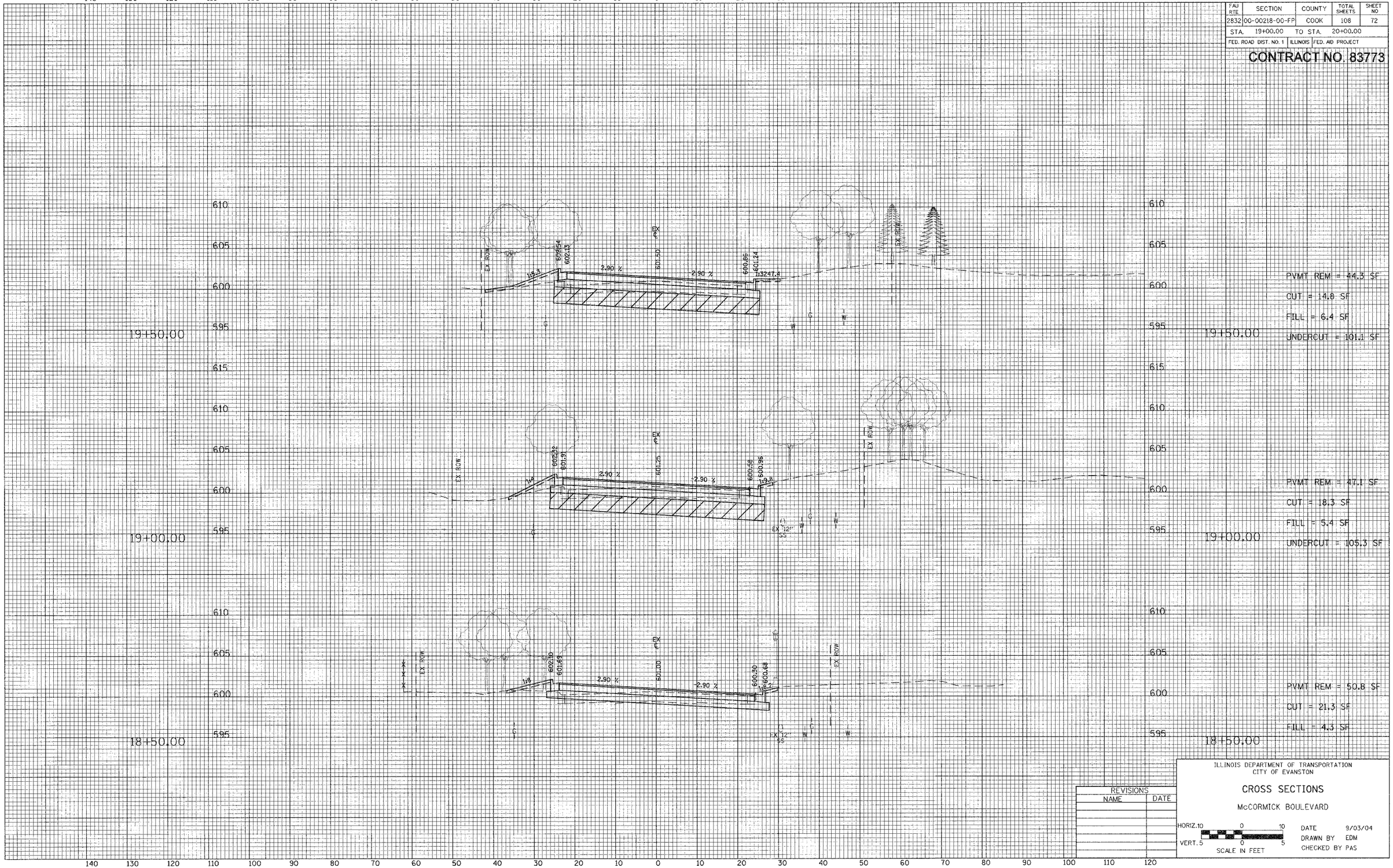
HORIZ. 10 0 10
VERT. 5 0 5
SCALE IN FEET

DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

FINAL SURVEY — SURVEYED — PLOTTED — TEAM ATE — AREAS CHECKED — NO. — DATE
ORIGINAL SURVEY — SURVEYED — PLOTTED — TEAM ATE — AREAS CHECKED — NO. — DATE

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2832	00-00218-00-FP	COOK	108	72
STA.	19+00.00	TO STA.	20+00.00	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

McCORMICK BOULEVARD

HORIZ. 10 0 10
VERT. 5 0 5
SCALE IN FEET

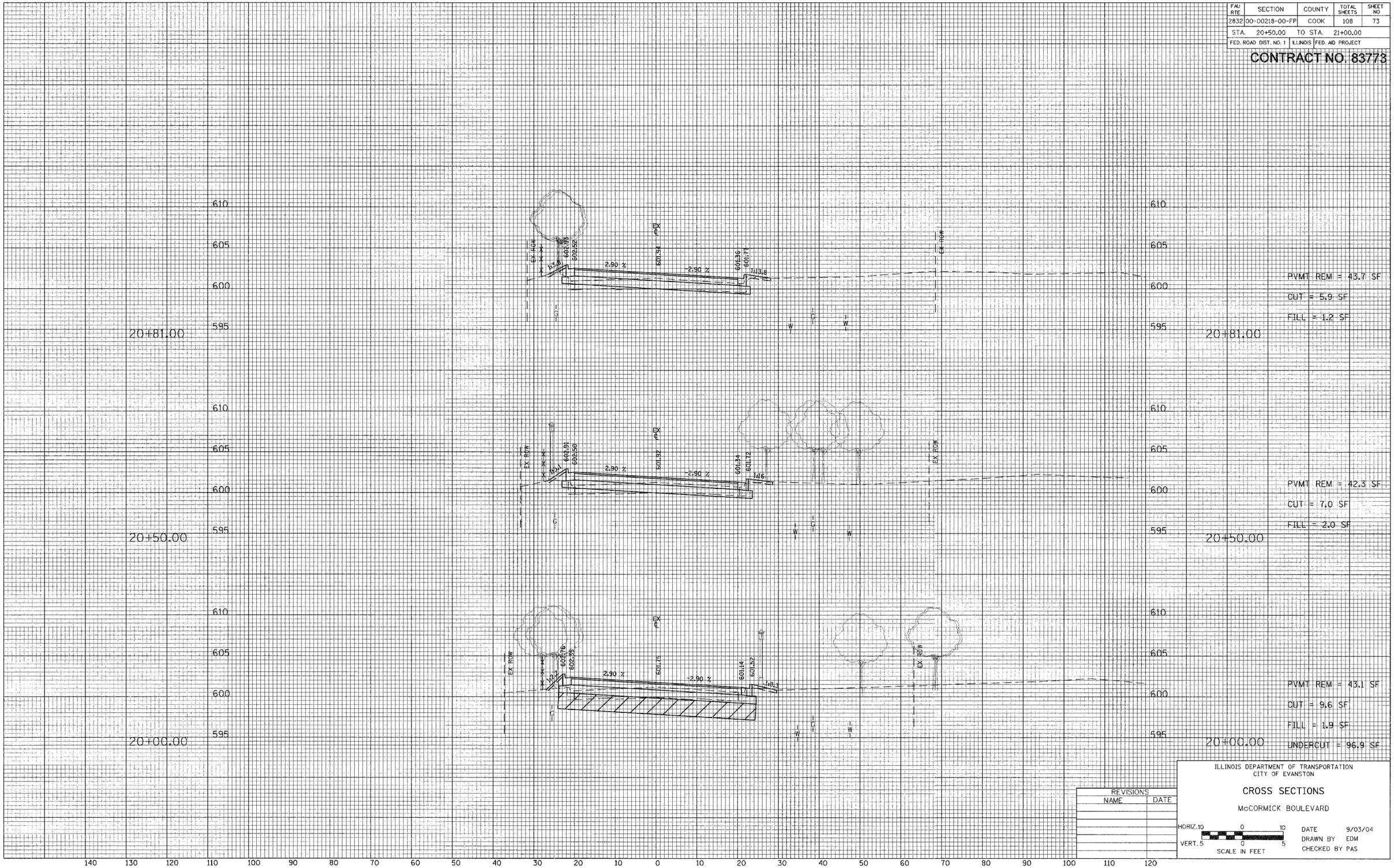
DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

FINAL SURVEY NOTE BOOK — SURVEYED AUTOCAD TEMPLATE AREAS AREAS CHECKED NO.

ORIGINAL SURVEY NOTE BOOK — SURVEYED AUTOCAD TEMPLATE AREAS AREAS CHECKED NO.

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2832	00-00218-00-FP	COOK	108	73
STA. 20+50.00		TO STA. 21+00.00		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

McCORMICK BOULEVARD

HORIZ. 10 0 10
VERT. 5 0 5
SCALE IN FEET

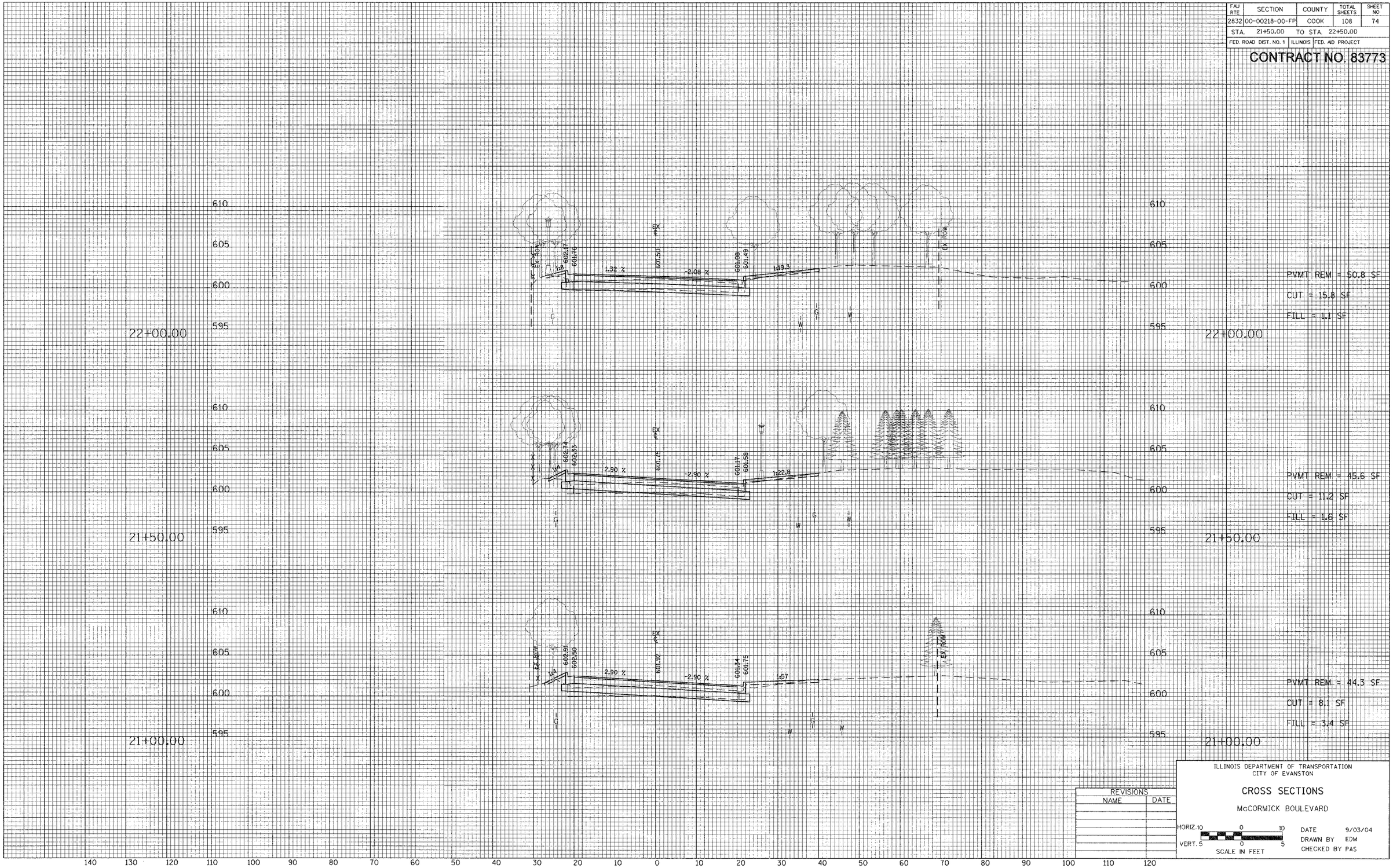
DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

FINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, NOTE BOOK, AREAS, AREAS CHECKED, NO.

ORIGINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, NOTE BOOK, AREAS, AREAS CHECKED, NO.

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2832	00-00218-00-FP	COOK	108	74
STA. 21+50.00	TO STA. 22+50.00			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

McCORMICK BOULEVARD

HORIZ. 10 0 10
VERT. 5 0 5
SCALE IN FEET

DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

FINAL SURVEY — SURVEYED ____ DATUM ____ TEMP. BTF ____ NOTE BOOK ____ AREAS ____ AREAS CHECKED ____ INC. ____

ORIGINAL SURVEY — SURVEYED ____ DATUM ____ TEMP. BTF ____ NOTE BOOK ____ AREAS ____ AREAS CHECKED ____ INC. ____

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2832	00-00218-00-FP	COOK	108	75
STA. 23+00.00	TO STA. 24+00.00			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

610 605 600 595

23+50.00

EX ROW 165.5 600.74 600.33 -2.08 % 600.75 -2.08 % 600.33 600.74 193.8 EX ROW

EX

W W

PVMT REM = 51 SF

CUT = 37.9 SF

FILL = 0.0 SF

23+00.00

EX ROW 165.5 601.03 600.62 -1.89 % 601.00 -2.08 % 600.58 600.99 134.5 EX ROW

EX

W W

PVMT REM = 0 SF

CUT = 0.0 SF

FILL = 0.0 SF

22+50.00

EX ROW 165.5 601.60 601.19 -0.29 % 601.25 -2.08 % 600.83 601.24 137.3 EX ROW

EX

W W

PVMT REM = 50.9 SF

CUT = 23.4 SF

FILL = 0.3 SF

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

McCORMICK BOULEVARD

HORIZ. 10 0 10
VERT. 5 0 5
SCALE IN FEET

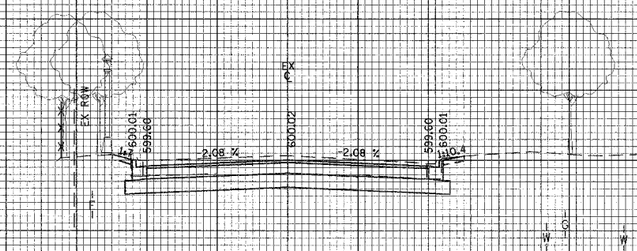
DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

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

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

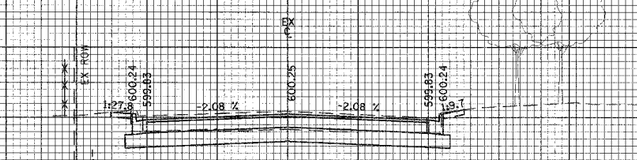
FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2832	00-00218-00-FP	COOK	108	76
STA. 24+50.00	TO STA. 25+50.00			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



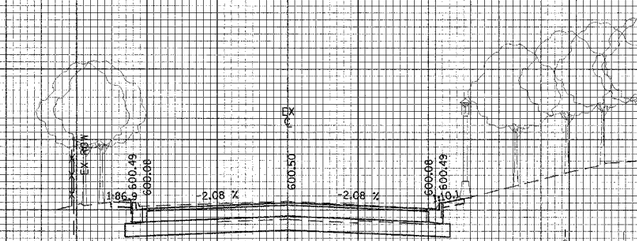
25+00.00

PVMT REM = 51.5 SF
CUT = 51.7 SF
FILL = 0.0 SF



24+50.00

PVMT REM = 51.7 SF
CUT = 47.1 SF
FILL = 0.0 SF



24+00.00

PVMT REM = 51.7 SF
CUT = 42.3 SF
FILL = 0.0 SF

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

McCORMICK BOULEVARD

REVISIONS	
NAME	DATE

HORIZ. 10 0 10
VERT. 5 0 5
SCALE IN FEET

DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

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

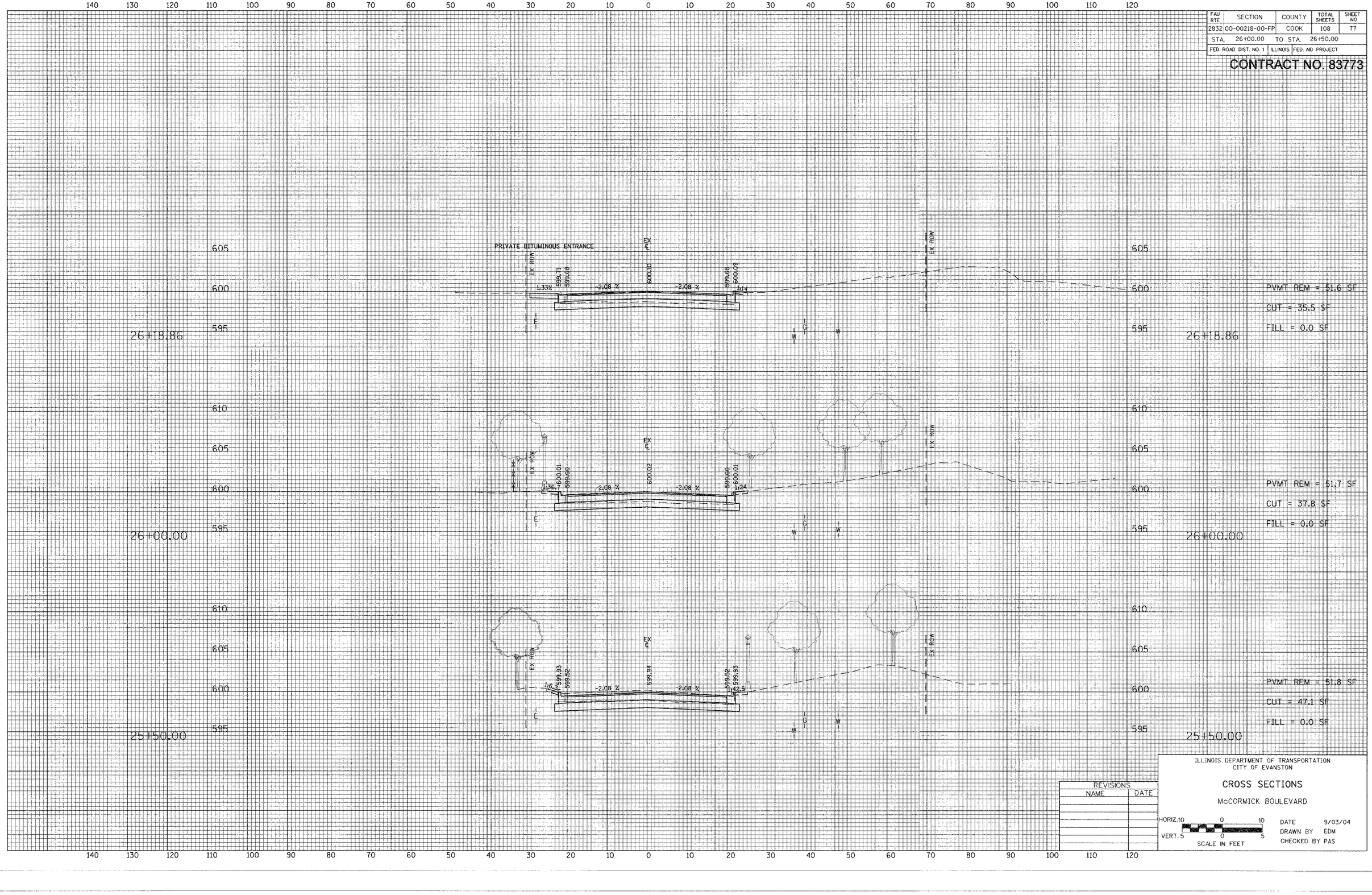
ORIGINAL SURVEY
SURVEYED
PLOTTED
NOTE BOOK
NO.
TEMPLATE
AREAS
AREAS CHECKED

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2832	00-00218-00-FP	COOK	108	77
STA.	26+00.00	TO STA.	26+50.00	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

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

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



ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

McCORMICK BOULEVARD

REVISIONS	
NAME	DATE

HORIZ. 10 0 10
VERT. 5 0 5
SCALE IN FEET

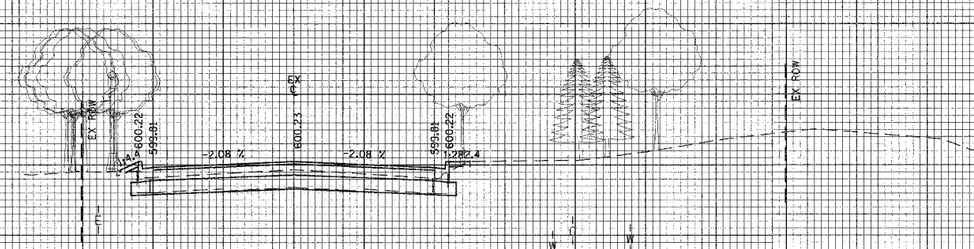
DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2832	00-00218-00-FP	COOK	108	78
STA. 26+93.96	TO STA. 28+00.00			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

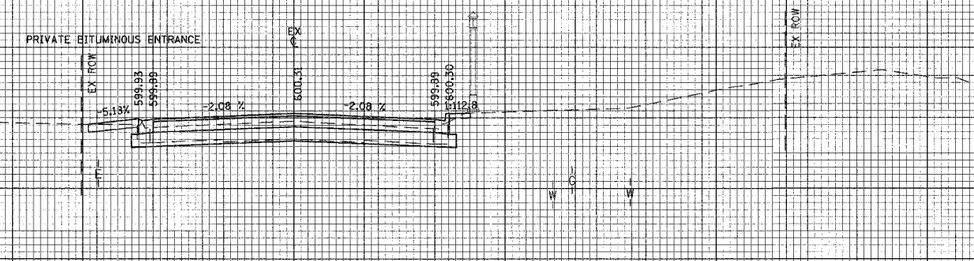
FINAL SURVEY — SURVEYED / PLOTTED / TEMPLATE / NOTE BOOK / AREAS / AREAS CHECKED / NO.

ORIGINAL SURVEY — SURVEYED / PLOTTED / TEMPLATE / NOTE BOOK / AREAS / AREAS CHECKED / NO.



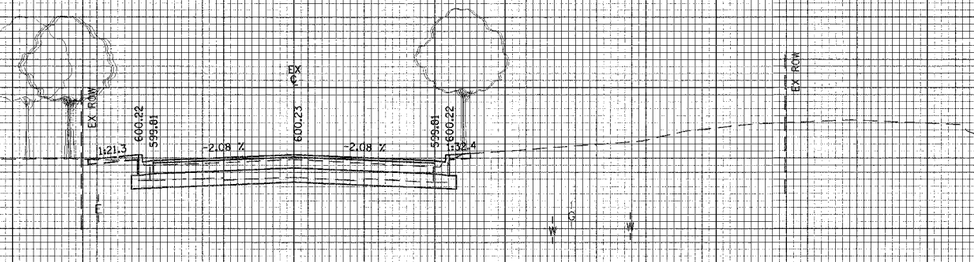
27+50.00

PVMT REM = 51.8 SF
CUT = 7.9 SF
FILL = 0.0 SF



26+93.96

PVMT REM = 51.7 SF
CUT = 13.6 SF
FILL = 0.0 SF



26+50.00

PVMT REM = 51.4 SF
CUT = 21.8 SF
FILL = 0.0 SF

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

McCORMICK BOULEVARD

HORIZ. 10 0 10
VERT. 5 0 5
SCALE IN FEET

DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

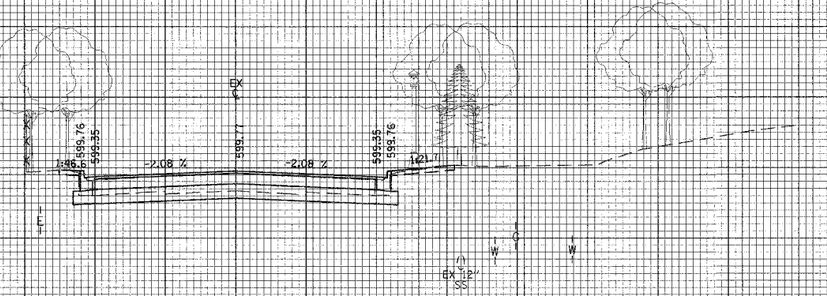
REVISIONS	
NAME	DATE

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2832	00-00218-00-FP	COOK	108	79
STA. 28+50.00	TO STA. 29+50.00			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

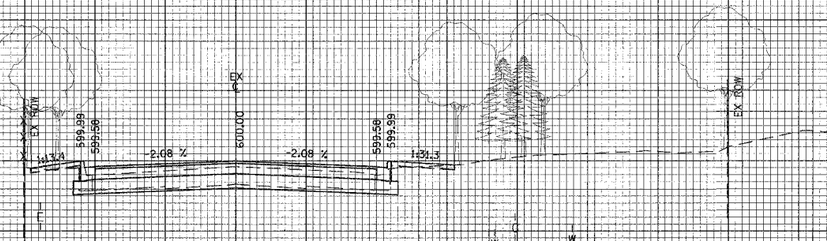
29+00.00

PVMT REM = 51.7 SF
CUT = 41.1 SF
FILL = 0.0 SF



28+50.00

PVMT REM = 51.9 SF
CUT = 30.3 SF
FILL = 0.0 SF



28+00.00

PVMT REM = 52.9 SF
CUT = 14.4 SF
FILL = 0.7 SF

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

McCORMICK BOULEVARD

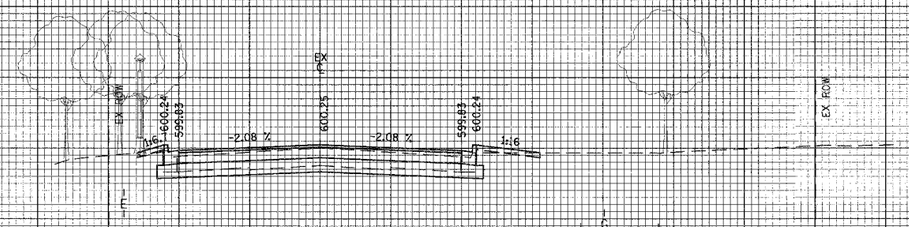
HORIZ. 10 0 10
VERT. 5 0 5
SCALE IN FEET

DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

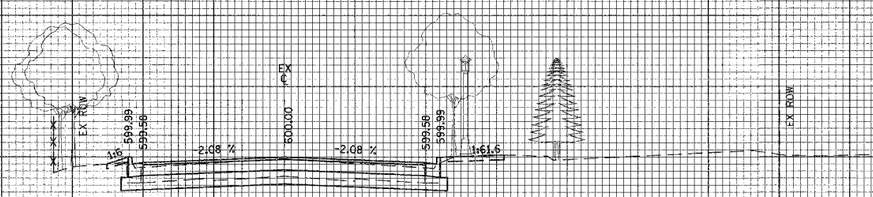
ORIGINAL SURVEY
NOTE BOOK
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
FINAL SURVEY

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2832	00-00218-00-FP	COOK	108	80
STA. 30+00.00	TO STA. 31+00.00			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

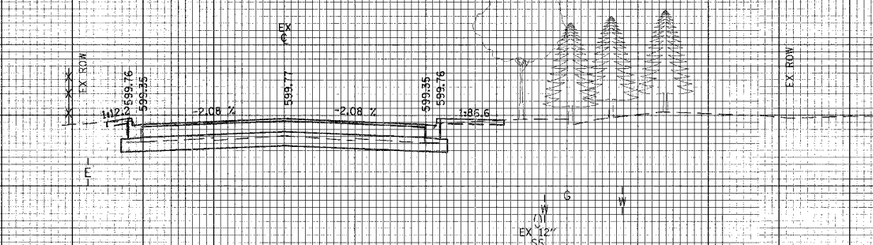
CONTRACT NO. 83773



PVMT REM = 51.7 SF
CUT = 21.9 SF
FILL = 0.7 SF



PVMT REM = 51.7 SF
CUT = 28.0 SF
FILL = 0.0 SF



PVMT REM = 52.1 SF
CUT = 33.4 SF
FILL = 0.0 SF

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

McCORMICK BOULEVARD

HORIZ.10 0 10
VERT. 5 0 5
SCALE IN FEET

DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

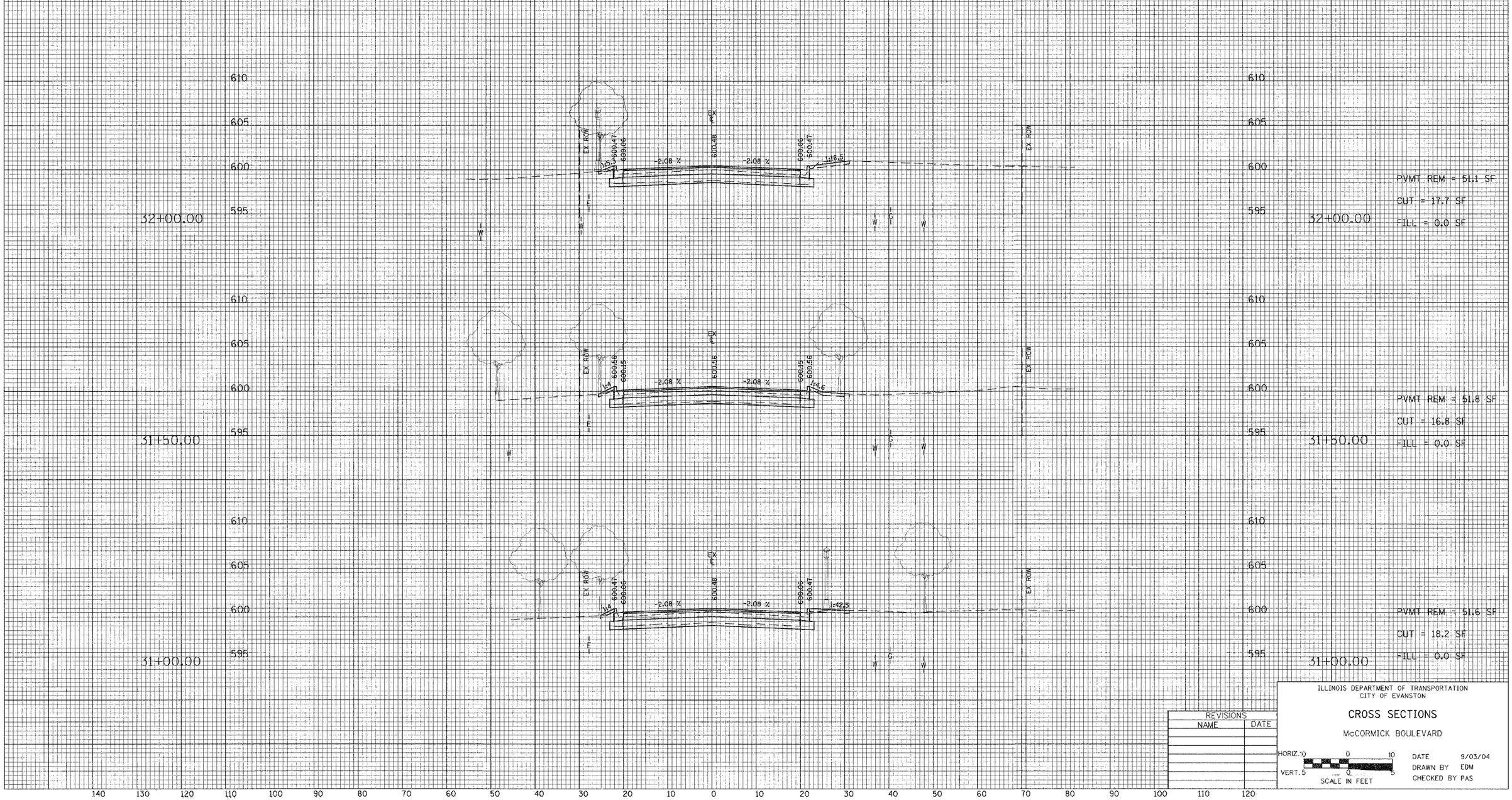
REVISIONS	
NAME	DATE

ORIGINAL SURVEY — SURVEYED — PLOTTED — NOTE BOOK — NOS. — AREAS CHECKED

FINAL SURVEY — SURVEYED — PLOTTED — NOTE BOOK — NOS. — AREAS CHECKED

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2832	00-00218-00-FP	COOK	108	81
STA.	31+50.00	TO STA.	32+50.00	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

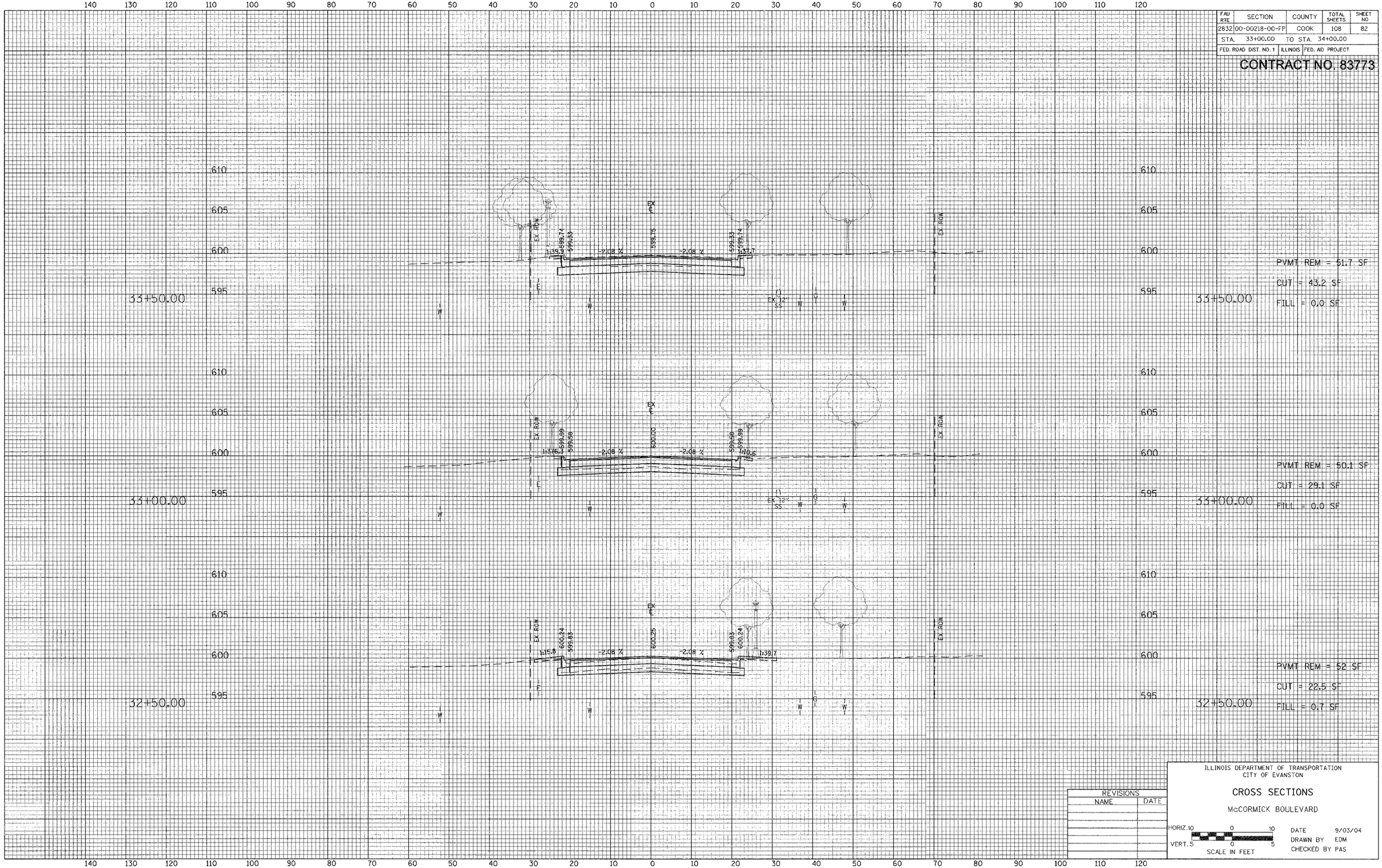
McCORMICK BOULEVARD

HORIZ. 10 0 10
VERT. 5 0 5
SCALE IN FEET

DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2832	00-00218-00-FP	COOK	108	82
STA. 33+00.00		TO STA. 34+00.00		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

McCORMICK BOULEVARD

HORIZ.10 0 10
VERT.5 0 5
SCALE IN FEET

DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

FINAL SURVEY: SURVEYED, PLOTTED, TEMPLATE, AREAS CHECKED, NOTE BOOK, NO.

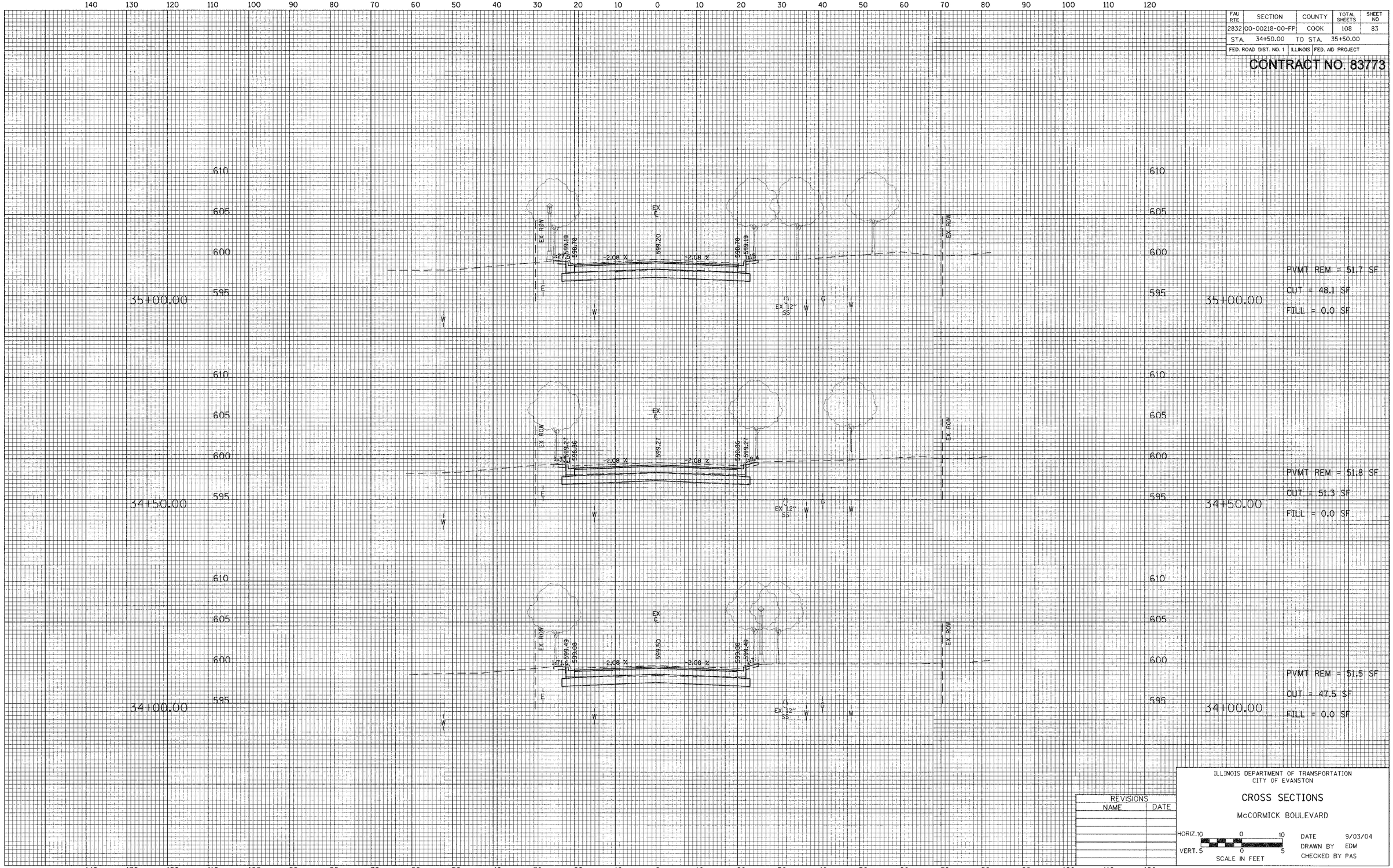
ORIGINAL SURVEY: SURVEYED, PLOTTED, TEMPLATE, AREAS CHECKED, NOTE BOOK, NO.

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2832	00-00218-00-FP	COOK	108	83
STA.	34+50.00	TO STA.	35+50.00	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

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

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



PVMT REM = 51.7 SF
CUT = 48.1 SF
FILL = 0.0 SF

PVMT REM = 51.8 SF
CUT = 51.3 SF
FILL = 0.0 SF

PVMT REM = 51.5 SF
CUT = 47.5 SF
FILL = 0.0 SF

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

McCORMICK BOULEVARD

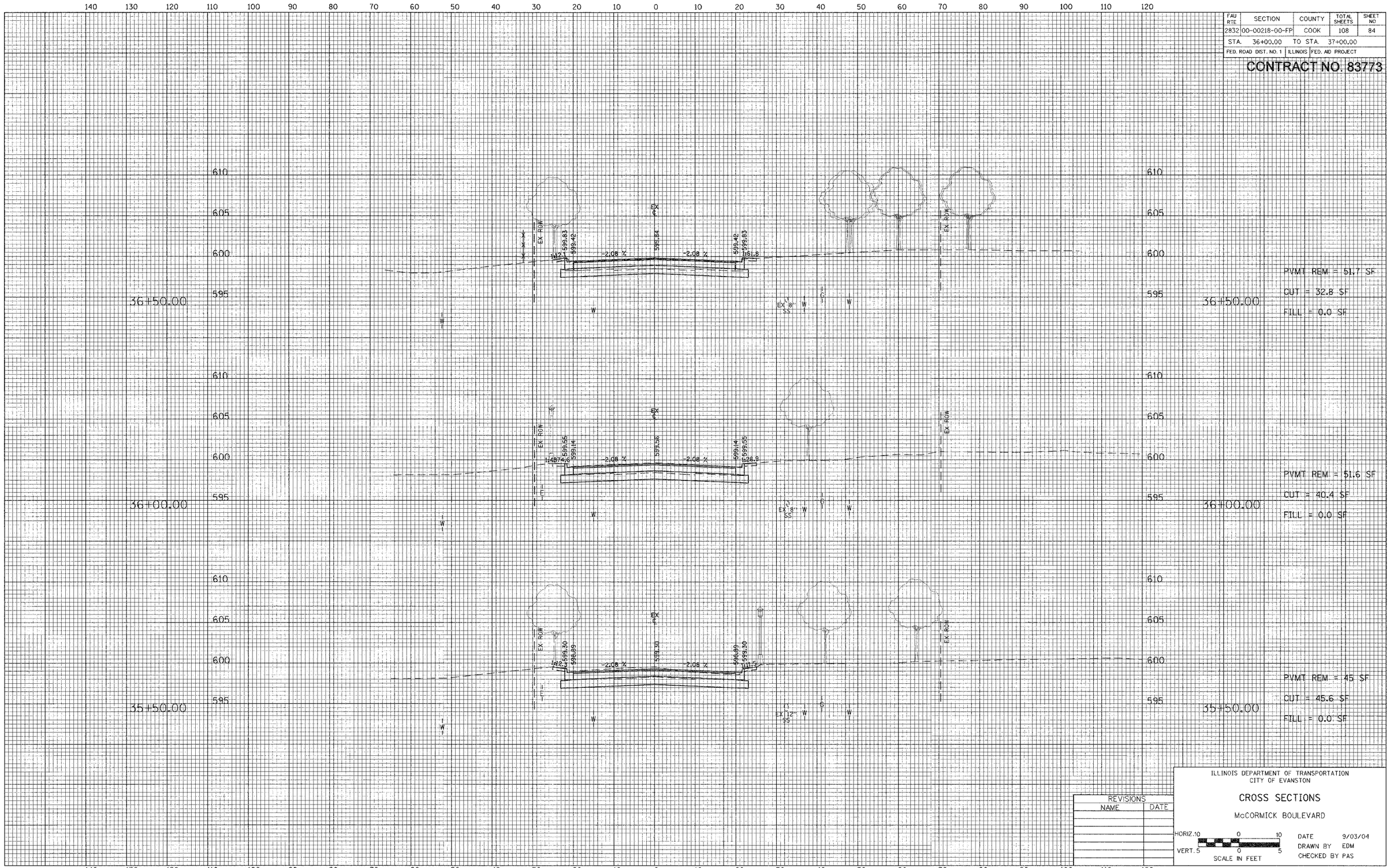
REVISIONS	
NAME	DATE

HORIZ. 10 0 10
VERT. 5 0 5
SCALE IN FEET

DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2832	00-00218-00-FP	COOK	108	84
STA. 36+00.00		TO STA. 37+00.00		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



FINAL SURVEY — SURVEYED / DATE / NOTE BOOK / NO. — TEMPLATE / AREAS / AREAS CHECKED — CHK'D

ORIGINAL SURVEY — SURVEYED / DATE / NOTE BOOK / NO. — TEMPLATE / AREAS / AREAS CHECKED — CHK'D

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

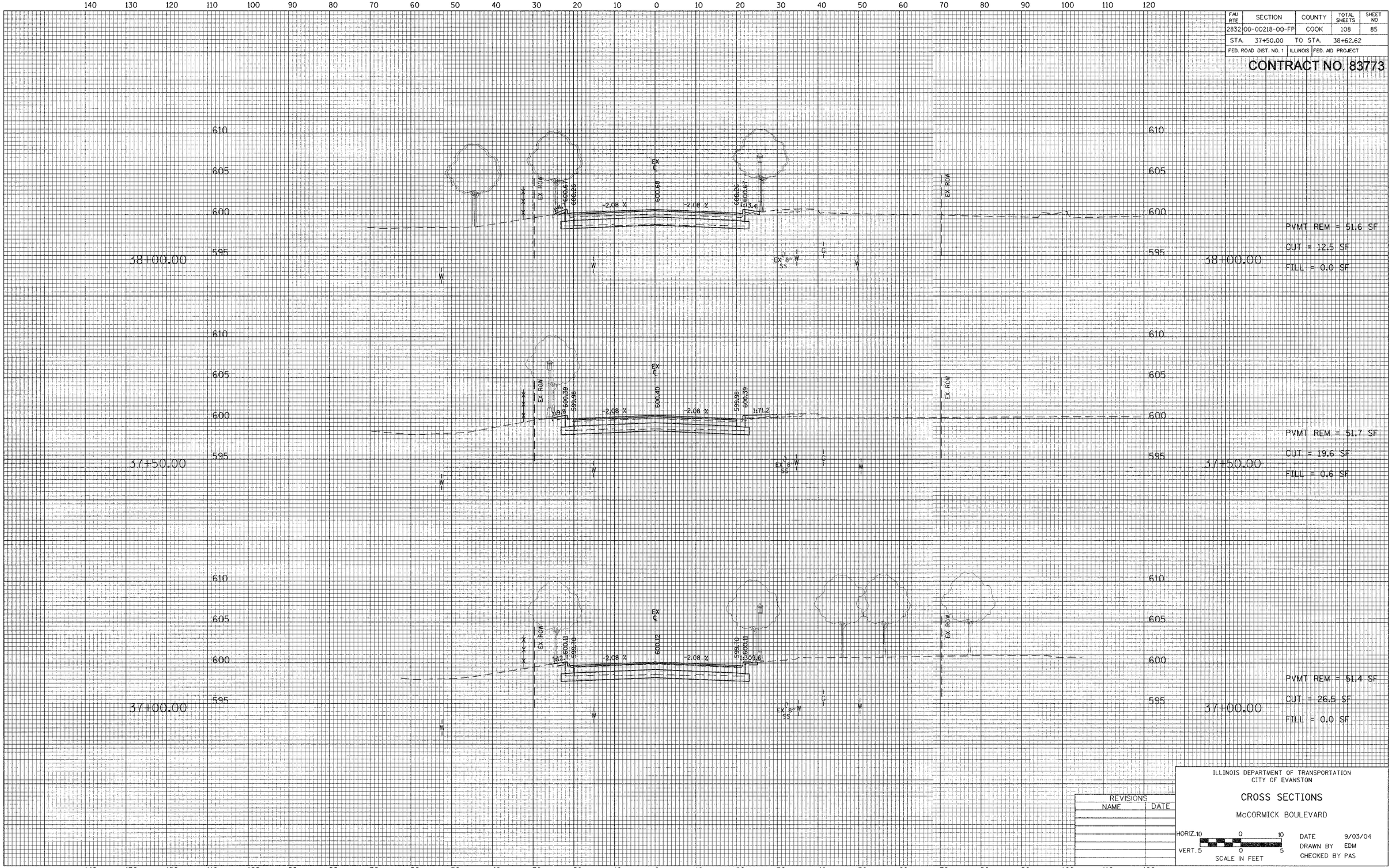
McCORMICK BOULEVARD

HORIZ. 10 0 10
VERT. 5 0 5
SCALE IN FEET

DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2832	00-00218-00-FP	COOK	108	85
STA.	37+50.00	TO STA.	38+62.62	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

McCORMICK BOULEVARD

REVISIONS	
NAME	DATE

HORIZ. 10 0 10
VERT. 5 0 5
SCALE IN FEET

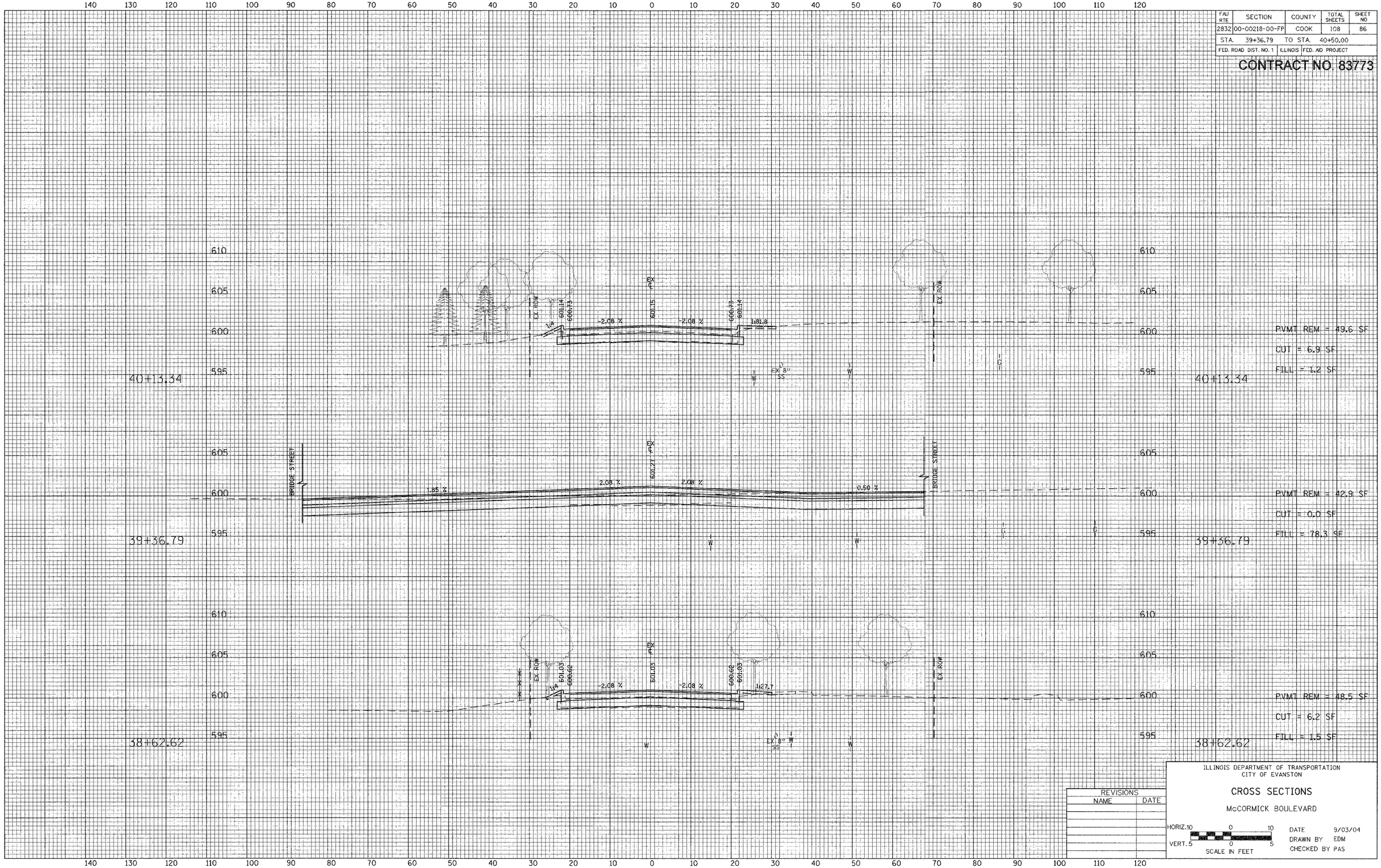
DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

FINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS CHECKED, NOTE BOOK, PAGE NO.

ORIGINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS CHECKED, NOTE BOOK, PAGE NO.

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2832	00-00218-00-FP	COOK	108	86
STA. 39+36.79	TO STA. 40+50.00			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

McCORMICK BOULEVARD

REVISIONS	
NAME	DATE

HORIZ. 10 0 10
VERT. 5 0 5
SCALE IN FEET

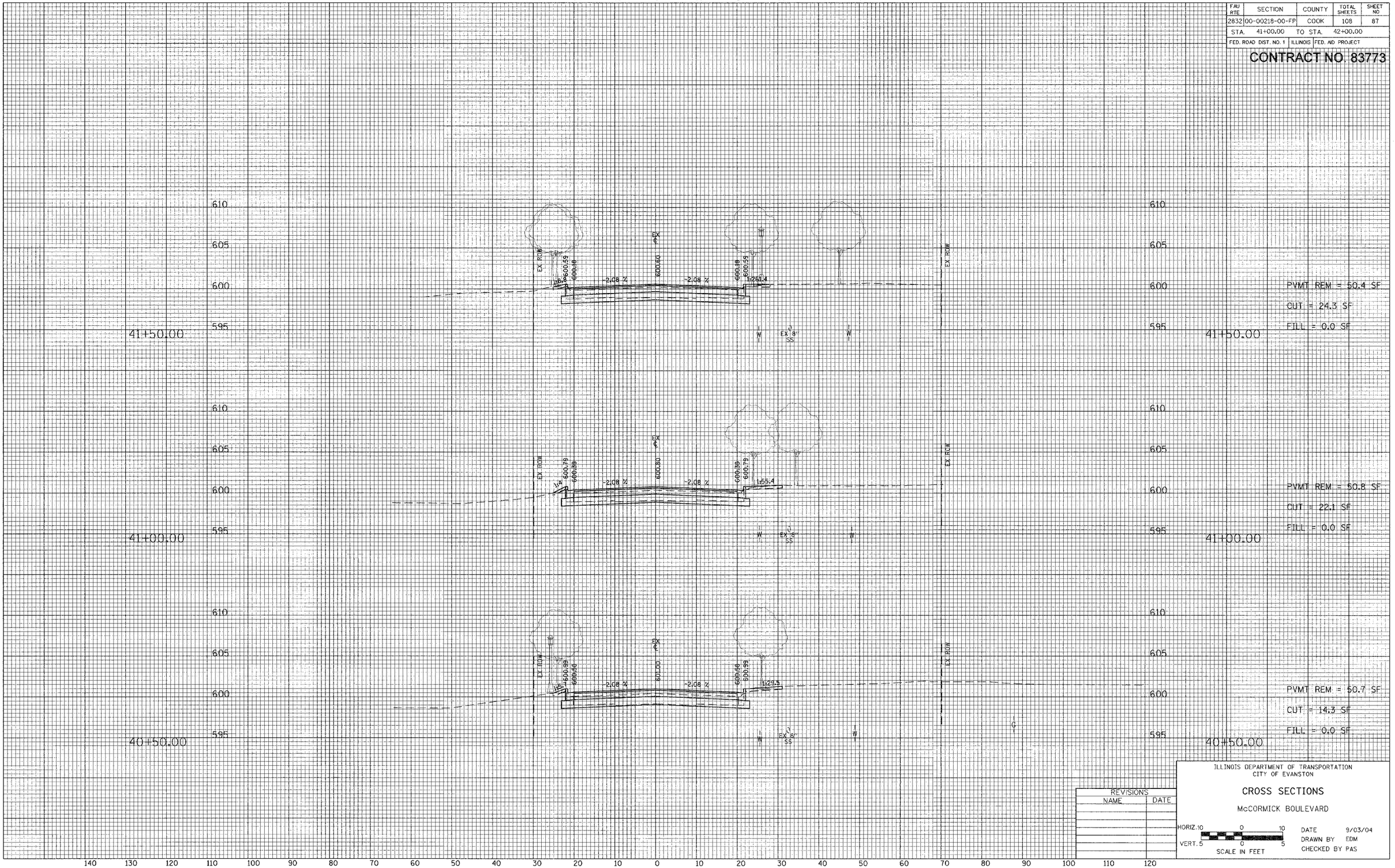
DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

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

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

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2832	00-00218-00-FP	COOK	108	87
STA.	41+00.00	TO STA.	42+00.00	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

McCORMICK BOULEVARD

HORIZ. 10 0 10
VERT. 5 0 5
SCALE IN FEET

DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

REVISIONS NAME	DATE

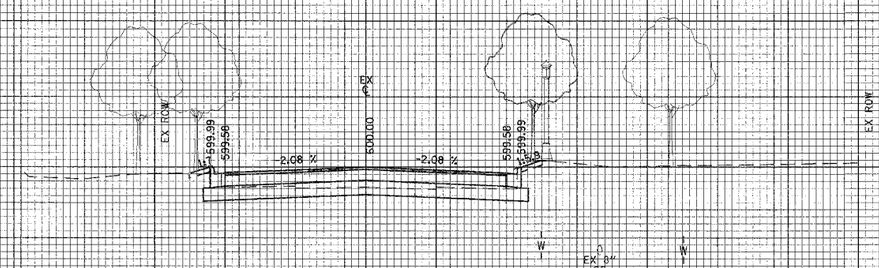
ORIGINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, NOTE BOOK, AREAS CHECKED, NO.

FINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, NOTE BOOK, AREAS CHECKED, NO.

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2832	00-00218-00-FP	COOK	108	88
STA. 42+37.94	TO STA. 43+50.00			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

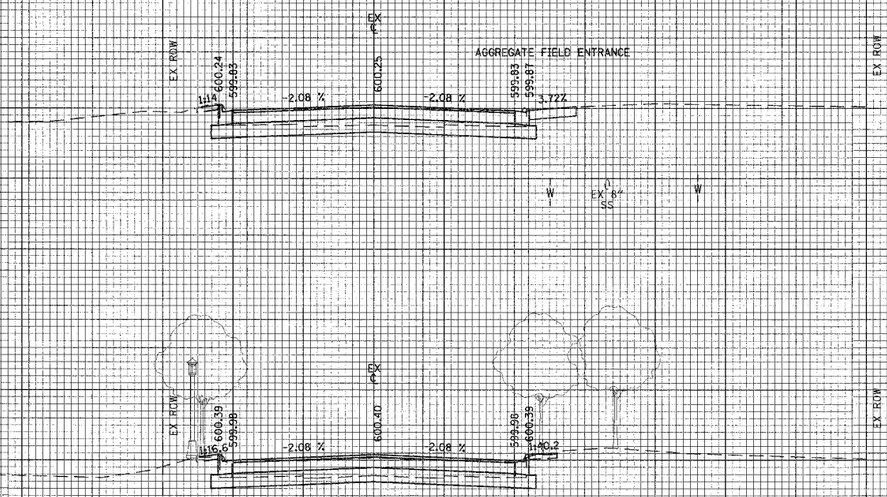
CONTRACT NO. 83773

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



43+00.00

PVMT REM = 51.1 SF
CUT = 36.2 SF
FILL = 0.0 SF



42+37.94

PVMT REM = 50.9 SF
CUT = 38.7 SF
FILL = 0.0 SF

42+00.00

PVMT REM = 50.8 SF
CUT = 29.7 SF
FILL = 0.0 SF

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

McCORMICK BOULEVARD

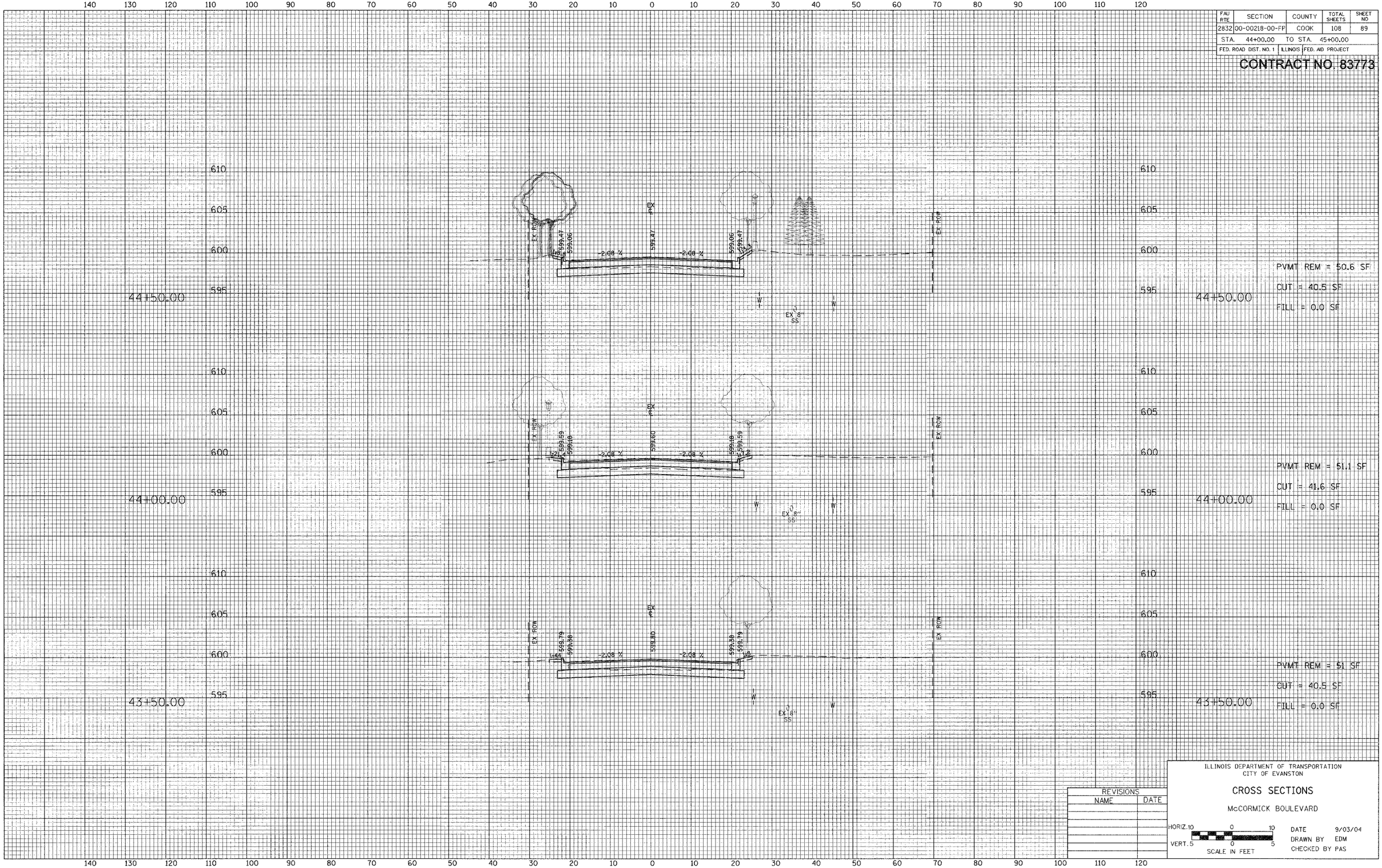
HORIZ. 10 0 10
VERT. 5 0 5
SCALE IN FEET

DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

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

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2832	00-00218-00-FP	COOK	108	89
STA. 44+00.00		TO STA. 45+00.00		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



PVMT REM = 50.6 SF
CUT = 40.5 SF
FILL = 0.0 SF

PVMT REM = 51.1 SF
CUT = 41.6 SF
FILL = 0.0 SF

PVMT REM = 51 SF
CUT = 40.5 SF
FILL = 0.0 SF

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

McCORMICK BOULEVARD

HORIZ. 10 0 10
VERT. 5 0 5
SCALE IN FEET

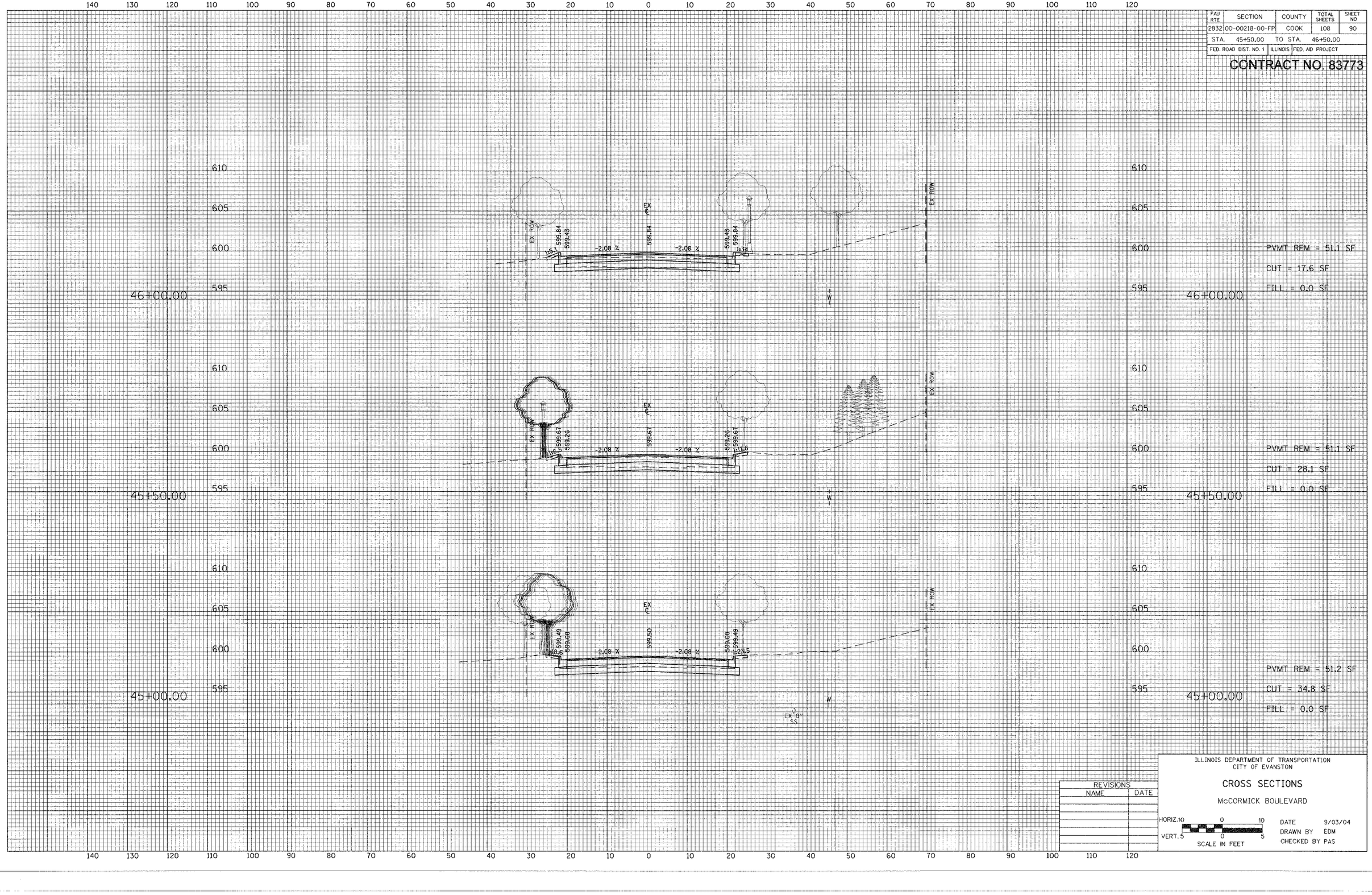
DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

FINAL SURVEY
SURVEYED
PLOTTED
TRAVERSE
NOTE BOOK
AREAS CHECKED
NO.

ORIGINAL SURVEY
SURVEYED
PLOTTED
TRAVERSE
NOTE BOOK
AREAS CHECKED
NO.

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2832	00-00218-00-FP	COOK	108	90
STA. 45+50.00		TO STA. 46+50.00		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



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

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

McCORMICK BOULEVARD

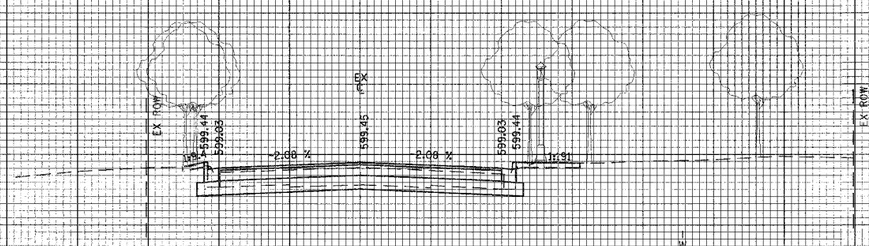
HORIZ. 10 0 10
VERT. 5 0 5
SCALE IN FEET

DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

REVISIONS	
NAME	DATE

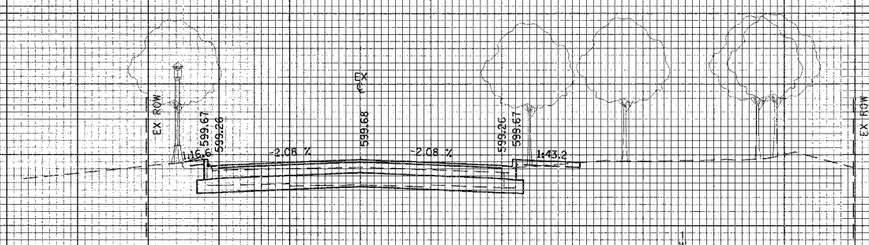
FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2832	00-00218-00-FP	COOK	108	91
STA.	47+00.00	TO STA.	47+50.00	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



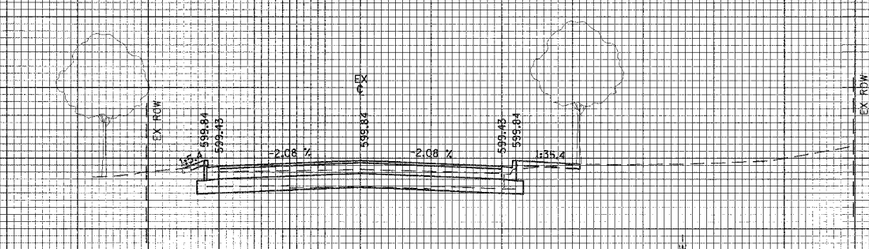
47+50.00

PVMT REM = 50.6 SF
CUT = 24.4 SF
FILL = 0.0 SF



47+00.00

PVMT REM = 51 SF
CUT = 17.6 SF
FILL = 0.4 SF



46+50.00

PVMT REM = 51.1 SF
CUT = 13.8 SF
FILL = 0.5 SF

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

McCORMICK BOULEVARD

HORIZ. 10 0 10
VERT. 5 0 5
SCALE IN FEET

DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

FINAL SURVEY
SURVEYED
PLOTTED
NOTE BOOK TEMPLATE
AREAS CHECKED
NO.

ORIGINAL SURVEY
SURVEYED
PLOTTED
NOTE BOOK TEMPLATE
AREAS CHECKED
NO.

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2632	00-00218-00-FP	COOK	108	92
STA.	48+01.40	TO STA.	48+77.28	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

610 605 600 595

48+77.28

EX ℄ 599.57

599.56 599.15 599.15 599.56

-2.08 % -2.08 %

1:44.6 1:267.2

EX ROW

EX 10" SS

W

48+77.28

PVMT REM = 49.6 SF

CUT = 22.2 SF

FILL = 0.0 SF

610 605 600 595

48+60.00

DODGE AVENUE

EX ℄ 599.49

599.07 599.48 599.48 599.07

-2.08 % -2.08 %

1:44.6 1:89.5

EX ROW

PR ROW

EX 10" SS

W

48+60.00

PVMT REM = 48.9 SF

CUT = 19.5 SF

FILL = 0.0 SF

610 605 600 595

48+01.40

EX ROW

EX ℄ 599.36

599.36 599.95 599.95 599.36

-2.08 % -2.08 %

1:44.6 1:131.7

EX 10" SS

W

48+01.40

PVMT REM = 50.9 SF

CUT = 22.6 SF

FILL = 0.0 SF

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

McCORMICK BOULEVARD

HORIZ. 10 0 10
VERT. 5 0 5
SCALE IN FEET

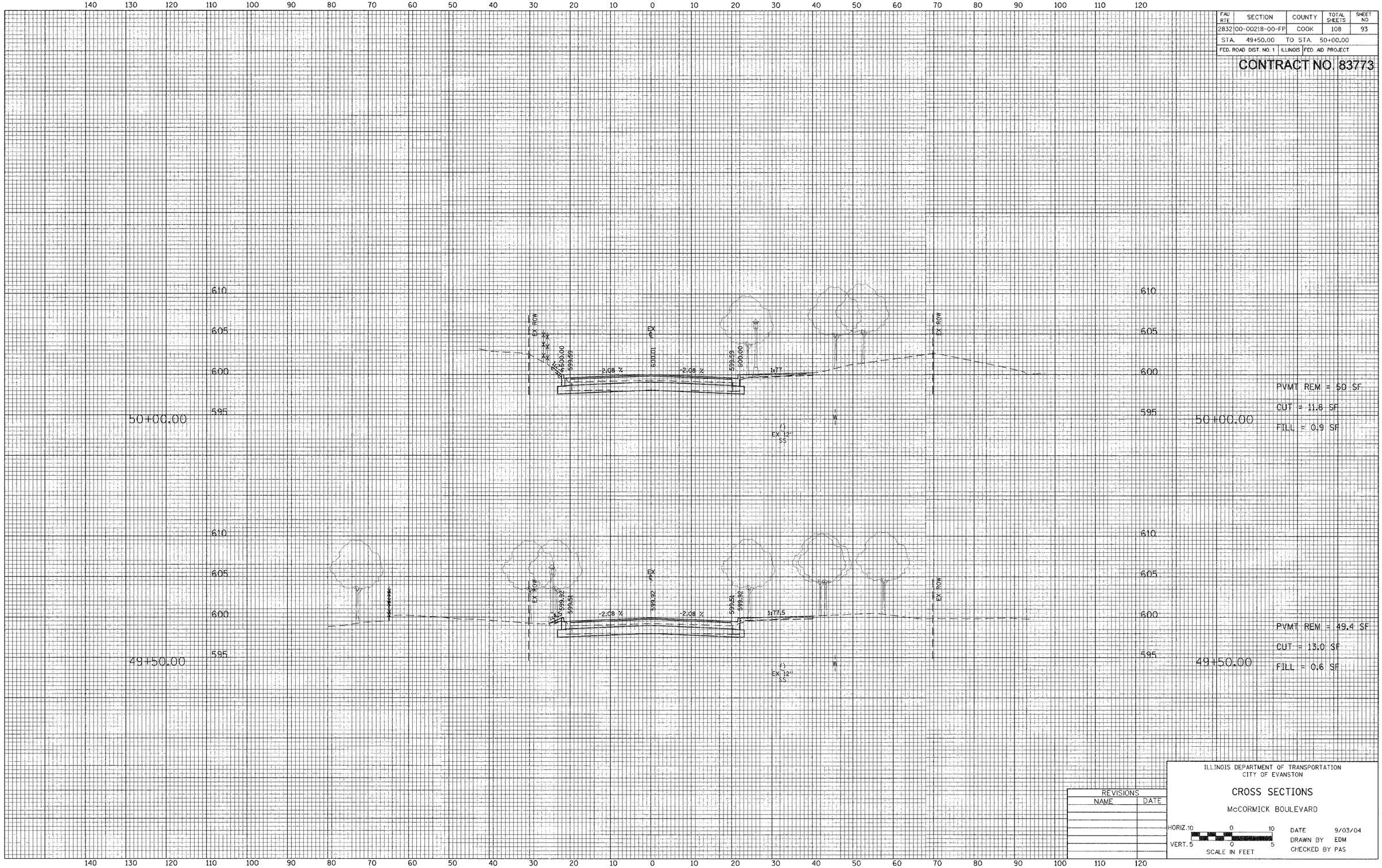
DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

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

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

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2832	00-00218-00-FP	COOK	108	93
STA. 49+50.00		TO STA. 50+00.00		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



PVMT REM = 50 SF
CUT = 11.8 SF
FILL = 0.9 SF

PVMT REM = 49.4 SF
CUT = 13.0 SF
FILL = 0.6 SF

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

McCORMICK BOULEVARD

HORIZ. 10 0 10
VERT. 5 0 5
SCALE IN FEET

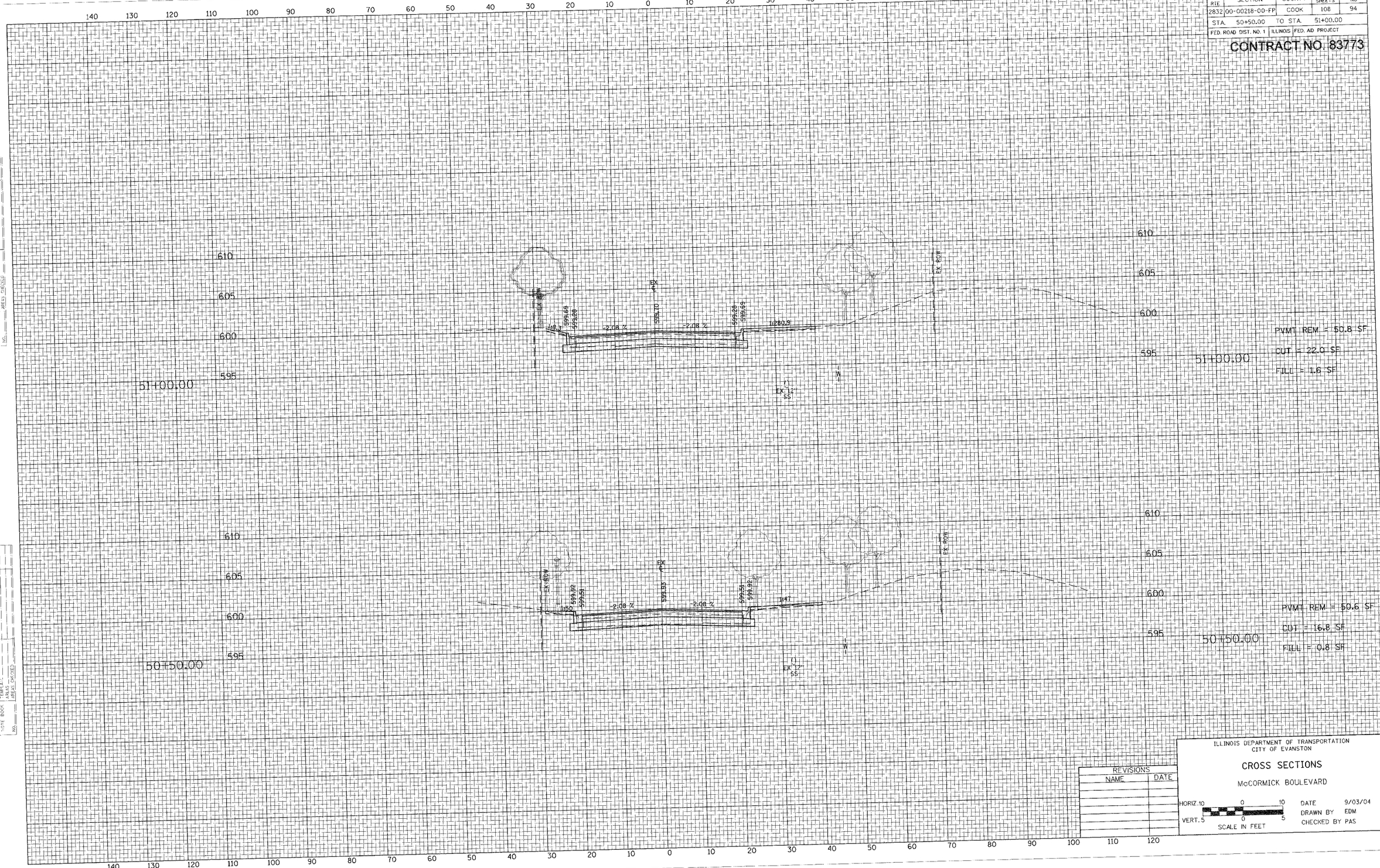
DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

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

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

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2832	00-00218-00-FP	COOK	108	94
STA. 50+50.00	TO STA. 51+00.00			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



FINAL SURVEY
SURVEYED
PLOTTED
TOPOGRAPHY
NOTE BOOK
AREAS CHECKED
NO.

ORIGINAL SURVEY
S. RYLEY
PLOTTED
TOPOGRAPHY
NOTE BOOK
AREAS CHECKED
NO.

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

McCORMICK BOULEVARD

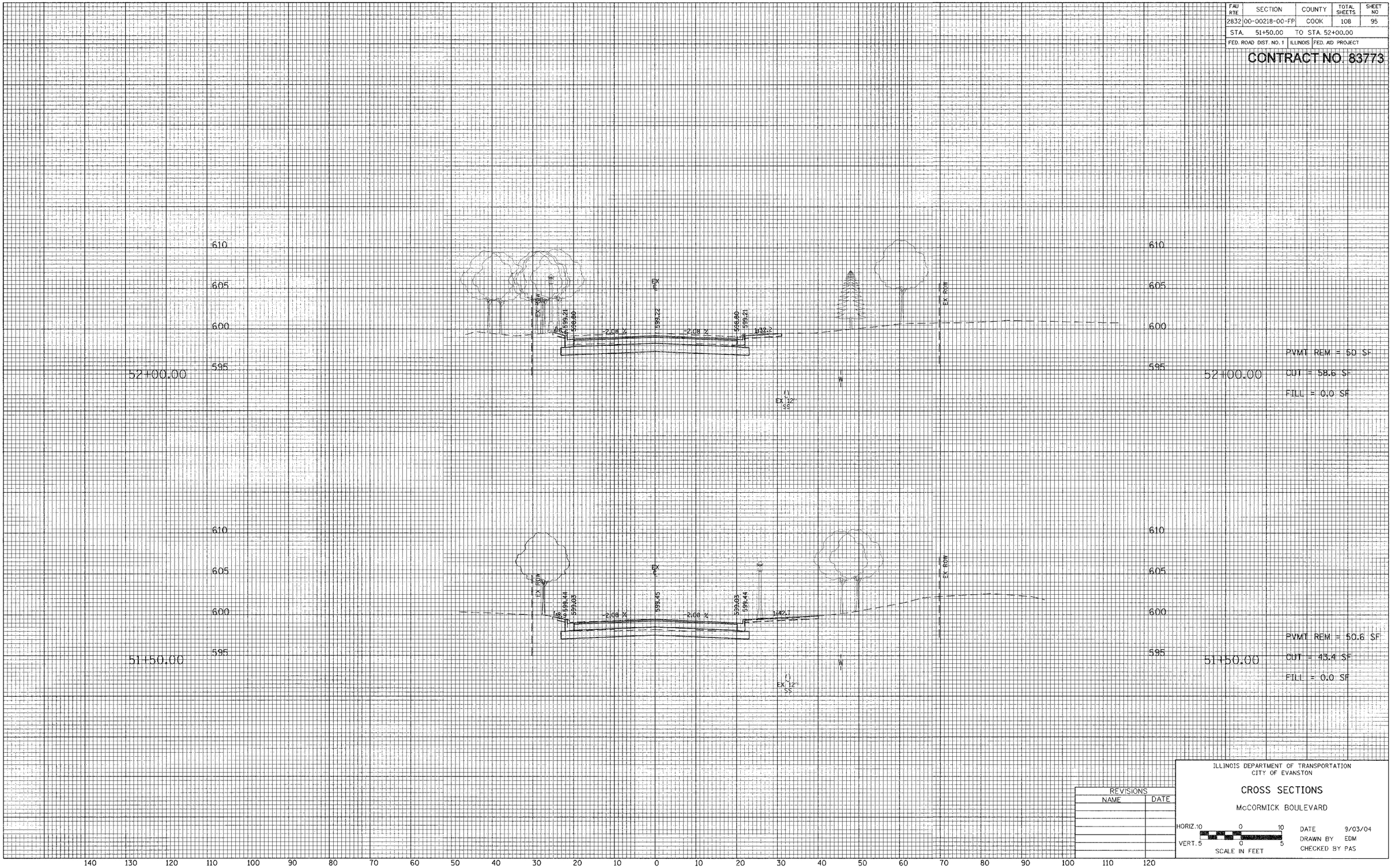
HORIZ. 10 0 10
VERT. 5 0 5
SCALE IN FEET

DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

REVISIONS	
NAME	DATE

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2832	00-00218-00-FP	COOK	108	95
STA. 51+50.00		TO STA. 52+00.00		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 83773



PVMT REM = 50 SF
CUT = 58.6 SF
FILL = 0.0 SF

PVMT REM = 50.6 SF
CUT = 43.4 SF
FILL = 0.0 SF

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

McCORMICK BOULEVARD

HORIZ.10 0 10
VERT.5 0 5
SCALE IN FEET

DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

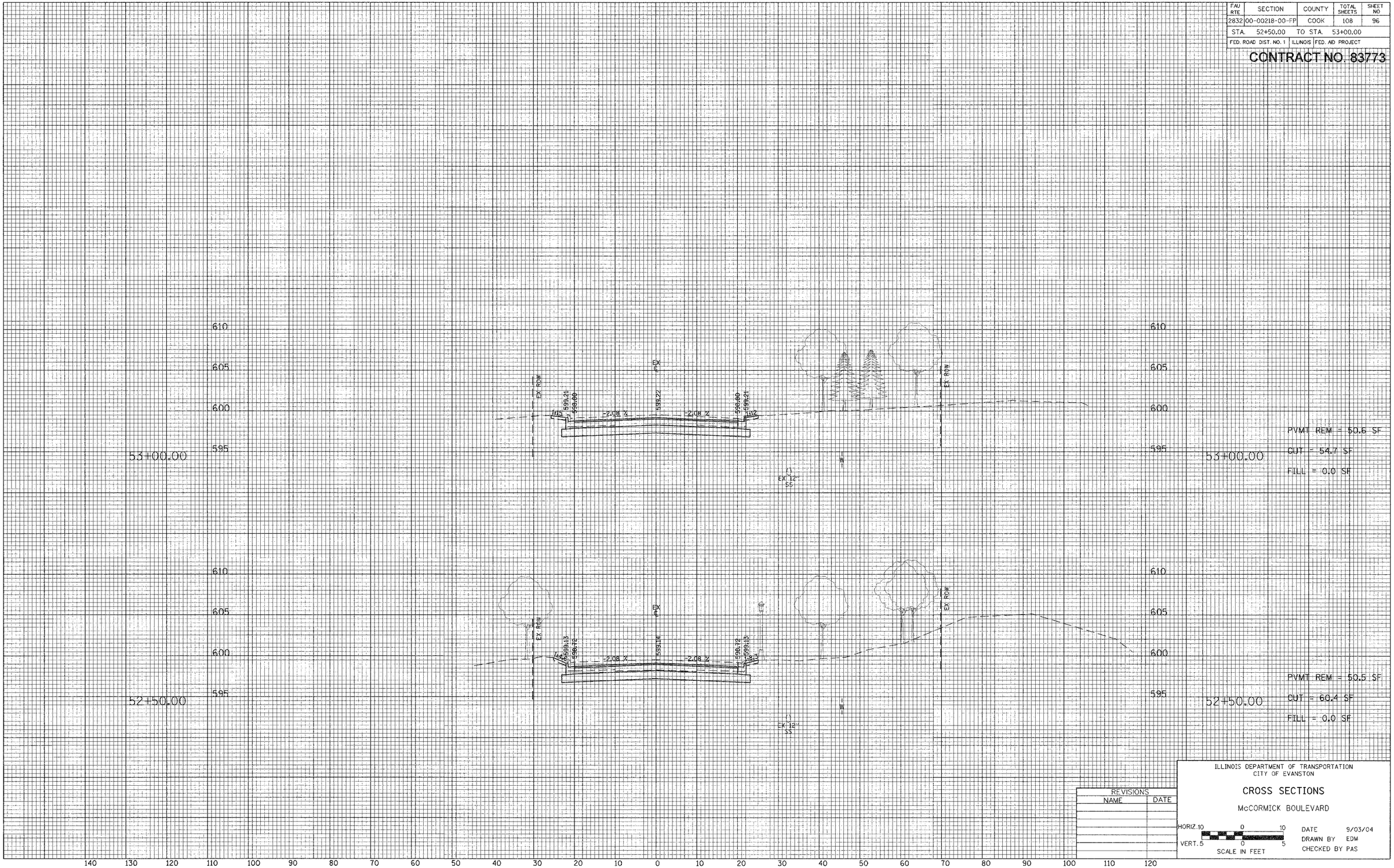
ORIGINAL SURVEY
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
NOTE BOOK
NO.

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2832	00-00218-00-FP	COOK	108	96
STA. 52+50.00	TO STA. 53+00.00			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

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

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



PVMT REM = 50.6 SF
CUT = 54.7 SF
FILL = 0.0 SF

PVMT REM = 50.5 SF
CUT = 60.4 SF
FILL = 0.0 SF

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

McCORMICK BOULEVARD

HORIZ. 10 0 10
VERT. 5 0 5
SCALE IN FEET

DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2632	00-00218-00-FP	COOK	108	97
STA. 53+50.00		TO STA. 54+74.52		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

54+74.52

PVMT REM = 50.6 SF
CUT = 12.7 SF
FILL = 0.3 SF

54+00.00

PVMT REM = 50.7 SF
CUT = 20.5 SF
FILL = 3.0 SF

53+50.00

PVMT REM = 50.3 SF
CUT = 39.7 SF
FILL = 0.0 SF

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

McCORMICK BOULEVARD

HORIZ. 10 0 10
VERT. 5 0 5
SCALE IN FEET

DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

REVISIONS	
NAME	DATE

FINAL SURVEY — SURVEYED / ADDED / TEMPLATE / AREAS / AREAS CHECKED — NOTE BOOK — NO. — DATE

ORIGINAL SURVEY — SURVEYED / ADDED / TEMPLATE / AREAS / AREAS CHECKED — NOTE BOOK — NO. — DATE

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2632	00-00218-00-FP	COOK	108	98
STA.	55+86.78	TO STA.	57+00.00	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

FINAL SURVEY — SURVEYED — COMPUTED — TEMPLATE — NOTE BOOK — AREAS — AREAS CHECKED — NO.

ORIGINAL SURVEY — SURVEYED — COMPUTED — TEMPLATE — NOTE BOOK — AREAS — AREAS CHECKED — NO.

140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

610 605 600 595

57+00.00

1:305.4 — PR ROW — 598.43 — 598.02 — -2.08 % — 598.63 — -2.08 % — 596.27 — 596.68 — FX — EX ROW

PVMT REM = 72.8 SF
CUT = 66.2 SF
FILL = 0.1 SF

56+55.42

PR ROW — EX ROW — 598.66 — 596.25 — EX ROW — -2.08 % — 598.92 — -2.08 % — 598.50 — 598.91 — 1:201.7 — FX — EX ROW

PVMT REM = 50.9 SF
CUT = 67.8 SF
FILL = 0.0 SF

55+86.78

EX ROW — EX ROW — PRAIRIE AVENUE — -2.08 % — 599.26 — -2.08 % — 596.05 — 596.26 — 1:10.2 — FX — EX ROW — EX 12" SS

PVMT REM = 49.3 SF
CUT = 17.2 SF
FILL = 0.8 SF

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

McCORMICK BOULEVARD

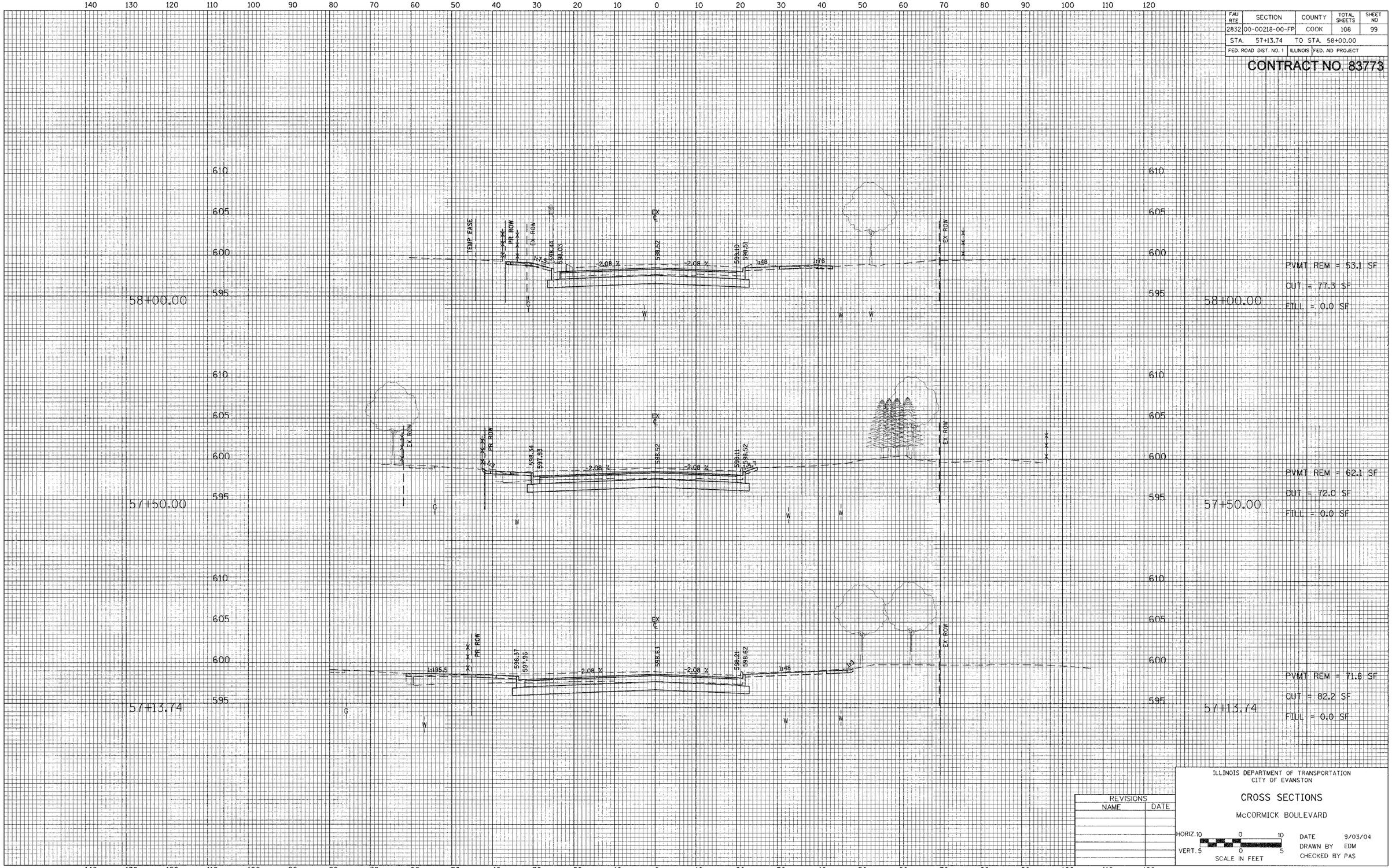
HORIZ. 10 0 10
VERT. 5 0 5
SCALE IN FEET

DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

REVISIONS	
NAME	DATE

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2832	00-00218-00-FP	COOK	108	99
STA. 57+13.74	TO STA. 58+00.00			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



PVMT REM = 53.1 SF
CUT = 77.3 SF
FILL = 0.0 SF

PVMT REM = 62.1 SF
CUT = 72.0 SF
FILL = 0.0 SF

PVMT REM = 71.8 SF
CUT = 82.2 SF
FILL = 0.0 SF

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

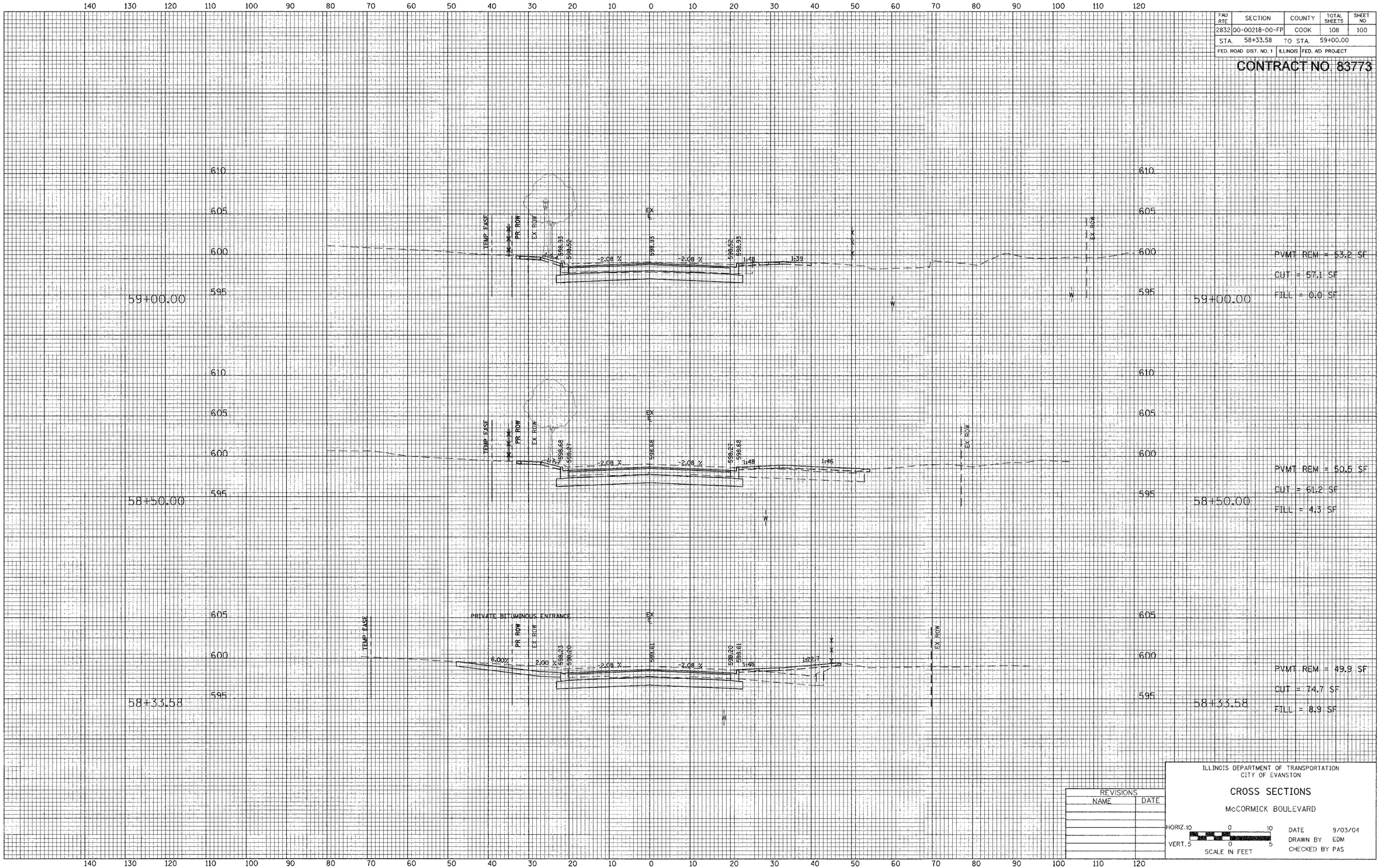
McCORMICK BOULEVARD

HORIZ. 10 0 10
VERT. 5 0 5
SCALE IN FEET

DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2832	00-00218-00-FP	COOK	108	100
STA. 58+33.58	TO STA. 59+00.00			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

McCORMICK BOULEVARD

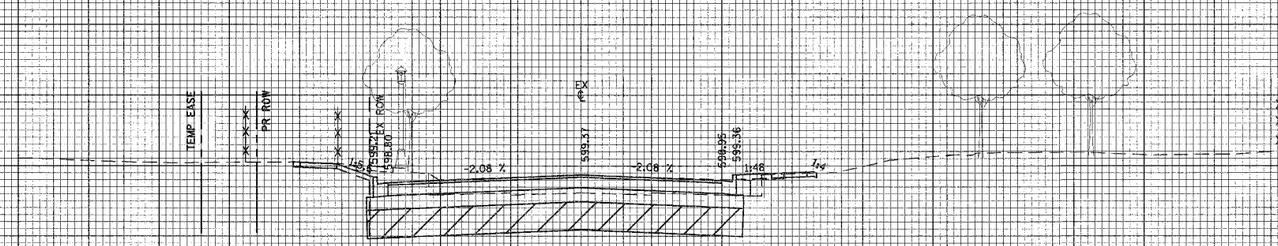
HORIZ. 10 0 10
VERT. 5 0 5
SCALE IN FEET

DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

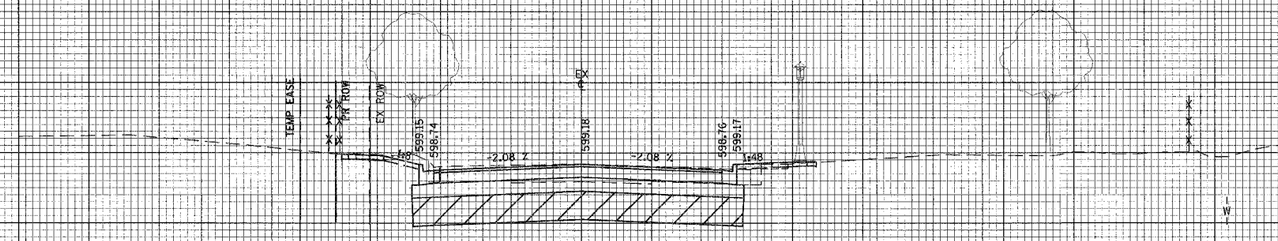
FINAL SURVEY / ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED / DRAWN / TEMPLATE / AREAS / AREAS CHECKED
DATE

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2832	00-00218-00-FP	COOK	108	101
STA.	59+20.96	TO STA.	59+88.04	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

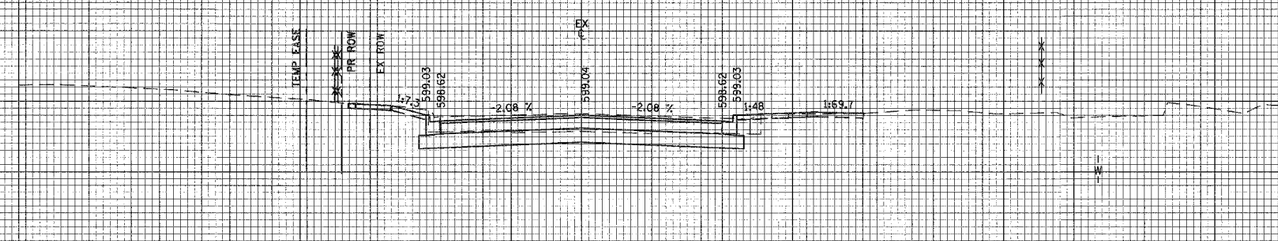
CONTRACT NO. 83773



PVMT REM = 51.7 SF
CUT = 65.6 SF
FILL = 0.2 SF
UNDERCUT = 106.9 SF



PVMT REM = 52.9 SF
CUT = 51.4 SF
FILL = 0.1 SF
UNDERCUT = 94.0 SF



PVMT REM = 53 SF
CUT = 52.6 SF
FILL = 0.0 SF

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

McCORMICK BOULEVARD

HORIZ. 10 0 10
VERT. 5 0 5
SCALE IN FEET

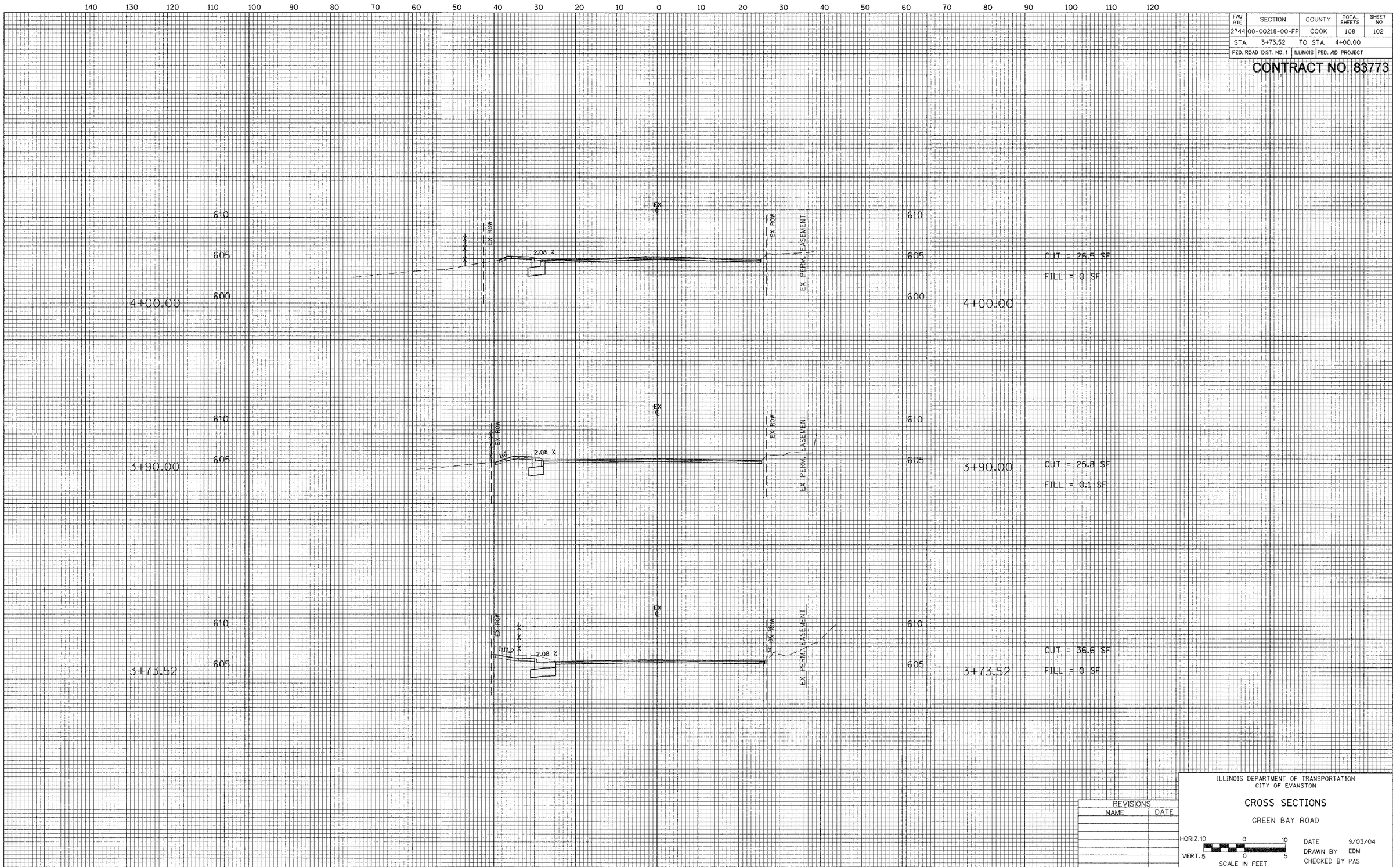
DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

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

ORIGINAL SURVEY: SURVEYED, PLOTTED, NOTE BOOK, NO., AREAS, AREAS CHECKED, DATE

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2744	00-00218-00-FP	COOK	108	102
STA.	3+73.52	TO STA.	4+00.00	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

GREEN BAY ROAD

REVISIONS	
NAME	DATE

HORIZ. 10 0 10
VERT. 5 0 5
SCALE IN FEET

DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

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

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

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2744	00-00218-00-FP	COOK	108	103
STA. 4+55.18	TO STA. 6+00.00			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

615 610 605 600

6+00.00

EX ℄

EX ROW

EX PERM. EASEMENT

615 610 605 600

6+00.00

610 605 600

5+01.21

EX ℄

1:12.7

2.08 %

EX ROW

EX PERM. EASEMENT

610 605 600

5+01.21

CUT = 31.6 SF

FILL = 0 SF

610 605 600

4+55.18

EX ℄

1:9.1

2.08 %

EX ROW

EX PERM. EASEMENT

610 605 600

4+55.18

CUT = 36.3 SF

FILL = 0 SF

140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120

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

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

GREEN BAY ROAD

REVISIONS	
NAME	DATE

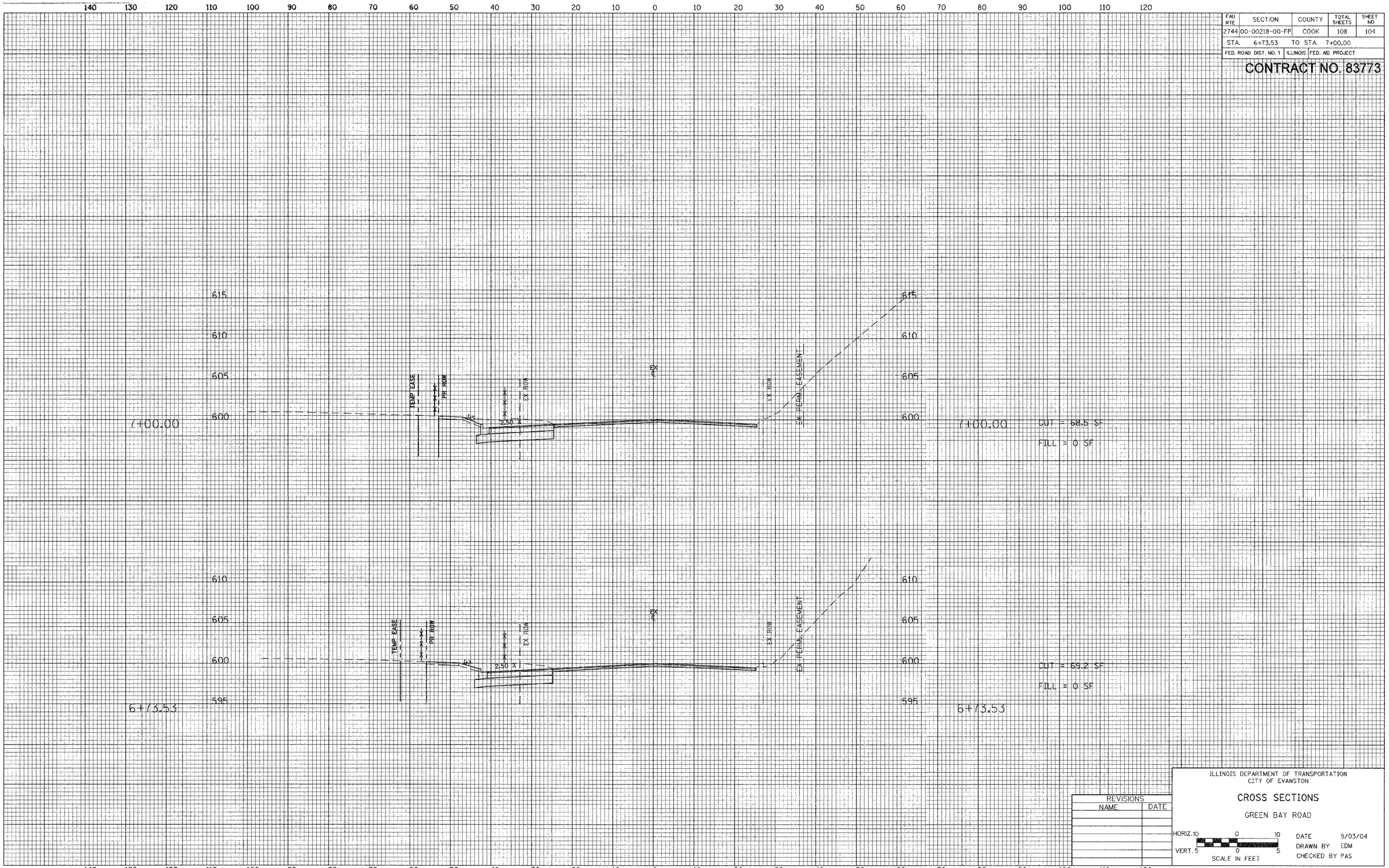
HORIZ. 10 0 10
VERT. 5 0 5
SCALE IN FEET

DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

10/22/2004 2:56:27 PM C:\Projects\Evanston\Green Bay\Sheets\Cross Sections.dgn

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2744	00-00218-00-FP	COOK	108	104
STA.	6+73.53	TO STA.	7+00.00	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

GREEN BAY ROAD

REVISIONS	
NAME	DATE

HORIZ. 10 0 10
VERT. 5 0 5
SCALE IN FEET

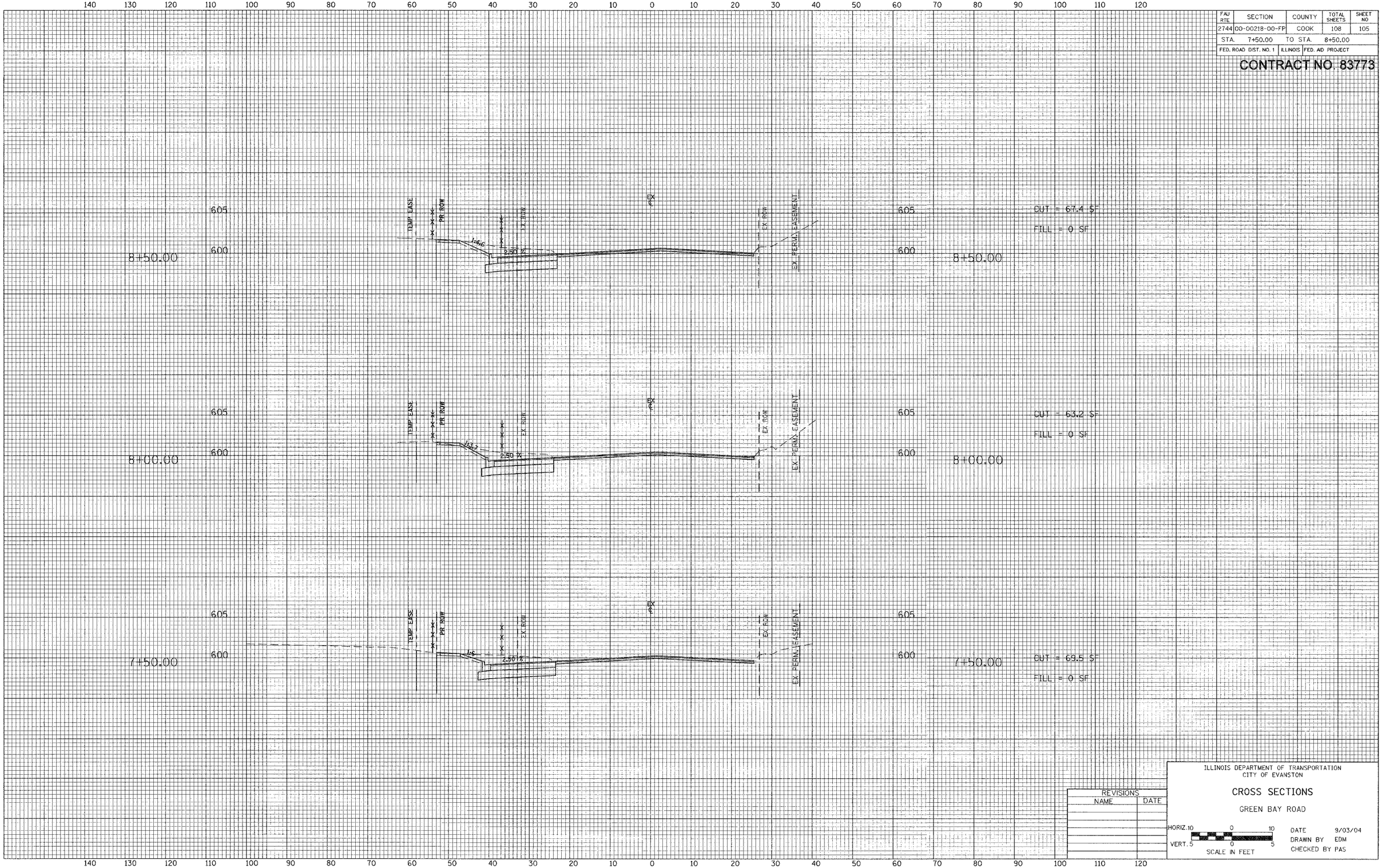
DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

FINAL SURVEY: SURVEYED, PLOTTED, TEMPLATE, AREAS CHECKED; NOTE BOOK, NO.

ORIGINAL SURVEY: SURVEYED, PLOTTED, TEMPLATE, AREAS CHECKED; NOTE BOOK, NO.

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2744	00-00218-00-FP	COOK	108	105
STA. 7+50.00		TO STA. 8+50.00		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

GREEN BAY ROAD

HORIZ. 10 0 10
VERT. 5 0 5
SCALE IN FEET

DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

FINAL SURVEY: SURVEYED, PLOTTED, TEMP-ATE, NOTE BOOK, AREAS CHECKED, NO.

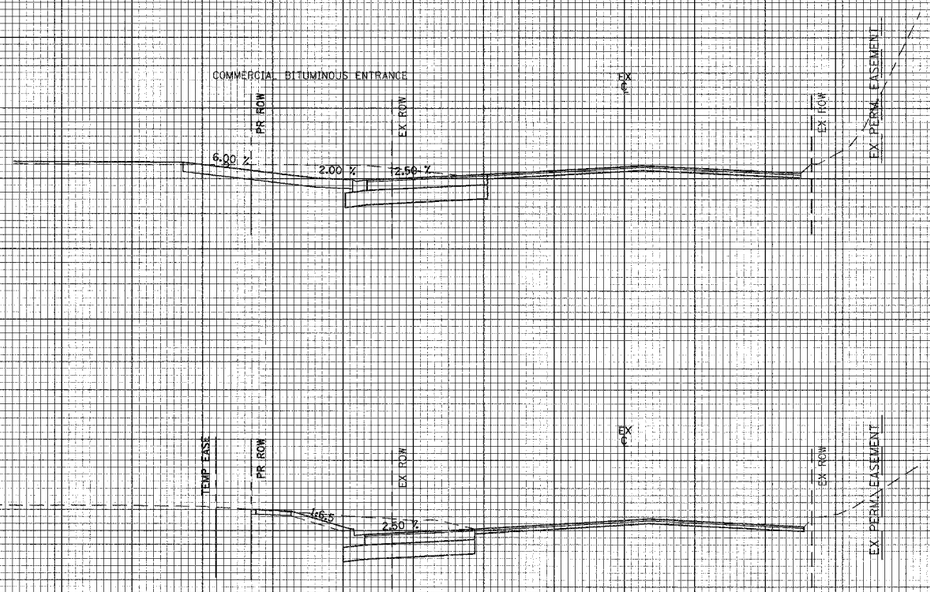
ORIGINAL SURVEY: SURVEYED, PLOTTED, TEMP-ATE, NOTE BOOK, AREAS CHECKED, NO.

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2744	00-00218-00-FP	COOK	108	106
STA. 9+00.00	TO STA. 9+17.60			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

FINAL SURVEY
NO. | VOTE BOOK | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED

ORIGINAL SURVEY
NO. | VOTE BOOK | SURVEYED | PLOTTED | TEMPLATE | AREAS | AREAS CHECKED



9+17.60
CUT = 80.3 SF
FILL = 0 SF

9+00.00
CUT = 68.1 SF
FILL = 0 SF

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

GREEN BAY ROAD

HORIZ. 10 0 10
VERT. 5 0 5
SCALE IN FEET

DATE 9/03/04
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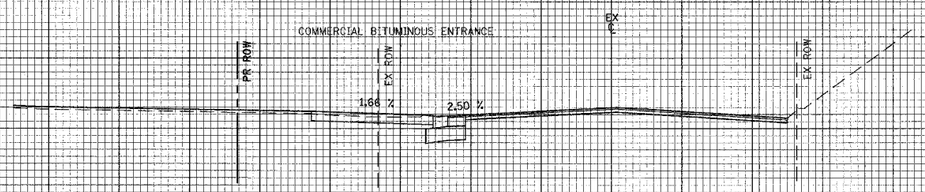
CHECKED BY PAS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2744	00-00218-00-FP	COOK	108	107
STA. 9+47.66	TO STA. 10+45.73			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

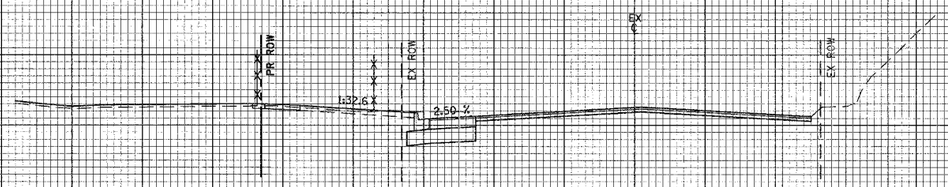
FINAL SURVEY NOTE BOOK — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — QUANTITIES — QUANTITIES CHECKED

ORIGINAL SURVEY NOTE BOOK — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — QUANTITIES — QUANTITIES CHECKED — NO.



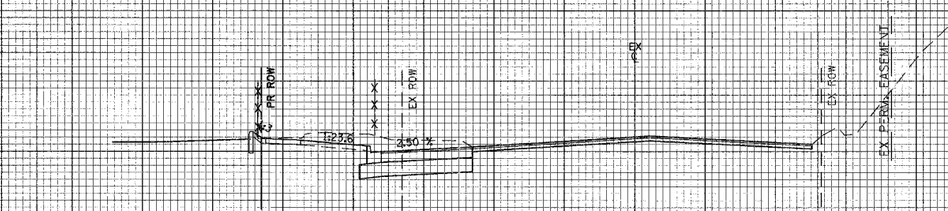
CUT = 33.4 SF

FILL = 0 SF



CUT = 40.4 SF

FILL = 0 SF



CUT = 63 SF

FILL = 0 SF

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

GREEN BAY ROAD

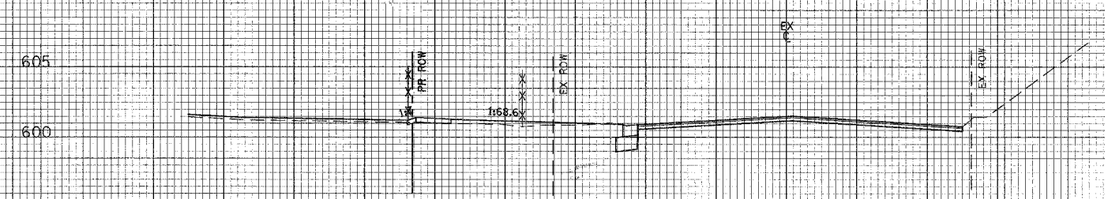
HORIZ. 10 0 10
VERT. 5 0 5
SCALE IN FEET

DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2744	00-00218-00-FP	COOK	108	108
STA.	10+52.84	TO STA.	-	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 83773

140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120



CUT = 21.3 SF

FILL = 0 SF

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CITY OF EVANSTON

CROSS SECTIONS

GREEN BAY ROAD

HORIZ.10 0 10
VERT. 5 0 5
SCALE IN FEET

DATE 9/03/04
DRAWN BY EDM
CHECKED BY PAS

FINAL SURVEY — SURVEYED / PLOTTED / NOTE BOOK / NO. — TEMP. ALG. / AREAS / AREAS CHECKED

ORIGINAL SURVEY — SURVEYED / PLOTTED / NOTE BOOK / NO. — TEMP. ALG. / AREAS / AREAS CHECKED