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IDOT HIGHWAY STANDARDS

STANDARD	DESCRIPTION
000001	STANDARD SYMBOLS ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
442201	CLASS C AND D PATCHES
701101	OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701601	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NON TRAVERSABLE MEDIAN
701701	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801	LANE CLOSURE MULTI LANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901	TRAFFIC CONTROL DEVICES

DESIGN NUMBER

D-91-108-06

PROJECT LOCATED IN CITY OF CHICAGO

DESIGN DESIGNATION

WENTWORTH AVE: 6259 (20) URBAN COLLECTOR
 WELLS ST: 8275 (20) URBAN COLLECTOR
 NB LOCAL LANES: 8568 (35) URBAN INTERSTATE 264.46 (CRC-30)
 SB LOCAL LANES: 6042 (35) URBAN INTERSTATE 264.46 (CRC-30)

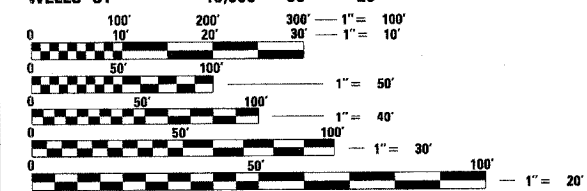
	ADT (2020)	DESIGN SPEED	POSTED SPEED
I-90/94:			
NB LOCAL LANES	71,230	60	45
SB LOCAL LANES	71,715	60	45

RAMPS:

RAMP 47C	7,600	40	30
RAMP 47D	5,000	40	30

FRONTAGE ROADS:

WENTWORTH AVE	11,000	30	25
WELLS ST	15,000	30	25



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.

BEFORE EXCAVATING CALL:
 CHICAGO UTILITY ALERT NETWORK
 (312) 744-7000

CONTRACT NO. 60A78

DISTRICT ONE DESIGNCONSULTANT SERVICES PROJECT MANAGER
 RAJENDRA SHAH (847) 705-4555



SIGNATURE: *Robert M. Covey*
 DATE: 5/2/08
 EXPIRES: 11/30/09

STATE OF ILLINOIS

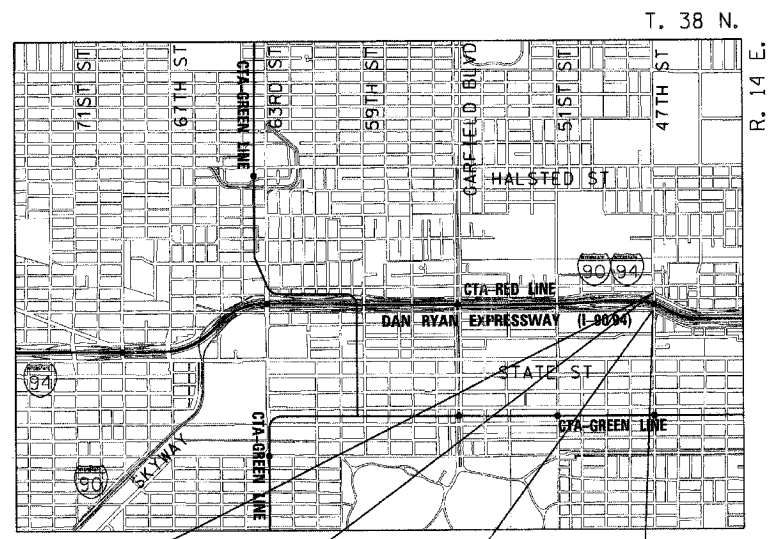
DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

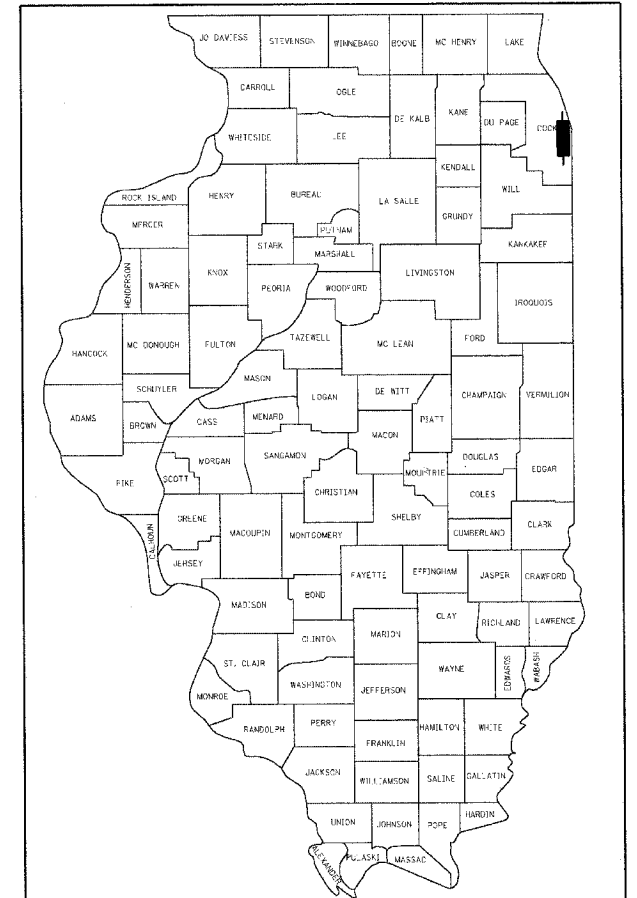
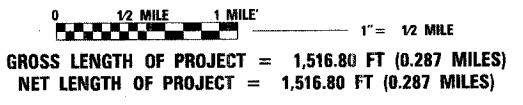
F.A.I. ROUTE 90/94 (DAN RYAN EXPRESSWAY) SECTION 2005-072 LS

GATEWAY LANDSCAPING AND IRRIGATION AT 47TH STREET COOK COUNTY C-91-108-06



PROJECT BEGINS SB LOCAL LANES STA 3525 + 19.57	PROJECT ENDS SB LOCAL LANES STA 3532 + 26.64	PROJECT BEGINS NB LOCAL LANES STA 4525 + 42.96	PROJECT ENDS NB LOCAL LANES STA 4533 + 52.69
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LOCATION MAP



LOCATION OF SECTION INDICATED THUS: —

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED APRIL 30, 2008
Diana M. O'Keefe DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
June 27, 2008
Eric F. Harms ENGINEER OF DESIGN AND ENVIRONMENT
June 27, 2008
Christine M. Reed DIRECTOR OF HIGHWAYS, CHIEF ENGINEER



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GENERAL NOTES:

- UTILITY LOCATIONS SHOWN ON THESE PLANS MAY NOT BE CORRECT OR COMPLETE. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH THE RESPECTIVE UTILITIES OF THE CITY OF CHICAGO. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "CUAN" (CHICAGO UTILITY ALERT NETWORK) AT 312-744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES (48 HOUR NOTIFICATION IS REQUIRED). CONTACT THE DEPARTMENT OF WATER MANAGEMENT PERMIT SECTION AT (312) 747-7893 FOR WATER AND SEWER LOCATIONS.
- 10 FOOT TRANSITION LENGTHS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTERS AND MEDIANS IN THE FIELD UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
- THE VARIATION IN WIDTH OF THE COMBINATION CONCRETE CURB AND GUTTER AS SHOWN ON THE PLANS SHALL BE INCLUDED IN THE COST OF COMBINATION CONCRETE CURB AND GUTTER OF THE TYPE SPECIFIED.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT NO GAP REMAINS BETWEEN PROPOSED FENCING OR WHERE PROPOSED FENCING TERMINATES AND EXISTING FENCE REMAINS IN PLACE.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY SAFETY PRECAUTIONS TO PROTECT AND PROVIDE ACCESS TO ABUTTING PROPERTY, UTILITIES, PEDESTRIANS, AND VEHICULAR TRAFFIC.
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS. THE ENGINEER OR AUTHORIZED SURVEYOR AGENT WILL WITNESS OR OTHERWISE REFERENCE AND RESET MONUMENTS AS NECESSARY. ALL PROPERTY CORNERS EXCEPT THOSE WITHIN AREAS WHERE THE SCHEDULE, IF PROVIDED, SHOWS PLACEMENT OF R.O.W. MARKERS SHALL REMAIN UNDISTURBED.
- ALL ELEVATIONS SHOWN ARE BASED ON THE CHICAGO CITY DATUM. THE CONVERSION EQUATION FROM CCD TO NAVD 88 IS: NAVD 88 ELEVATION = CCD + 579.19.
- THE CONTRACTOR SHALL COORDINATE ALL ACTIVITIES WITH:
 - CONTRACT 62986 - INSTALLATION OF FLUTED KNEE WALL ALONG WENTWORTH AVENUE FROM 850' SOUTH OF 47TH STREET TO 47TH STREET
 - CONTRACT 62987 - INSTALLATION OF FLUTED KNEE WALL ALONG WELLS STREET FROM 60TH STREET TO 47TH STREET
 - CONTRACT 60A02 - INSTALLATION OF FENCING AND GATING ALONG WENTWORTH AVENUE AND WELLS STREET FROM 63RD STREET TO 47TH STREET
 - CONTRACT 60A72 - NORTHBOUND ROADSIDE EMBANKMENT LANDSCAPING
 - CONTRACT 60A73 - SOUTHBOUND ROADSIDE EMBANKMENT LANDSCAPING
 - CONTRACT 62998 - SOUTHBOUND KNEE WALLS (47TH STREET TO 43RD STREET)
 - CONTRACT 60A04 NORTHBOUND FENCE AND GATE INSTALLATION (47TH PLACE TO 31ST STREET)
 - CONTRACT 60A05 SOUTHBOUND FENCE AND GATE INSTALLATION (47TH PLACE TO 31ST STREET)
 - CONTRACT 62583 - LIGHTING AND SURVEILLANCE FROM 31ST STREET TO I-57 INTERCHANGE
- PRIOR AUTHORIZATION IS REQUIRED TO MAKE ANY STRUCTURAL MODIFICATIONS, INCLUDING MANHOLE FRAME AND LID ADJUSTMENTS TO ALL METROPOLITAN WATER RECLAMATION DISTRICT (MWRD) STRUCTURES. (AUTHORIZATION MAY BE OBTAINED BY CONTACTING MR. THOMAS K. O'CONNOR CHIEF OF MAINTENANCE AND OPERATIONS DEPARTMENT, AT 312-751-5101.)
- THE CONTRACTOR SHALL ABIDE BY THE NPDES GUIDELINES AND REQUIREMENTS. THE COST FOR THESE REQUIREMENTS SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT PAY ITEMS.
- THE CONTRACTOR SHALL SHOW PROOF OF PROCUREMENT, SOURCES, QUANTITIES AND VARIETIES FOR ALL SHRUBS, TREES, GROUND COVERS, PERENNIAL AND ORNAMENTAL GRASSES WITHIN 21 DAYS FOLLOWING THE AWARD OF CONTRACT. TIMELY PROCUREMENT OF ALL PLANT MATERIAL IS ESSENTIAL TO THE SUCCESSFUL COMPLETION AND SUBSTANTIAL COMPLETION ACCEPTANCE OF THE OVERALL PROJECT.
- THERE SHALL BE NO STOCKPILING OR STAGING ALLOWED ON CITY OF CHICAGO PARKWAYS.
- THE CONTRACTOR SHALL HAND DIG AROUND ALL PUBLIC AND PRIVATE UTILITIES.
- THIS AREA HAS HEAVILY POPULATED UNDERGROUND ELECTRIC AND FIBER OPTIC CABLE, BEFORE ANY WORK IS TO BEGIN A UTILITY LOCATE BY THE CONTRACTOR OF CONTRACT 62583 MUST BE CALLED IN 48 HOURS IN ADVANCE OF EXCAVATION WORK, THE LOCATE NUMBER IS (773) 287-7600. TRENCHES SHALL BE HAND DUG AROUND THE LOCATED UTILITIES, USE OF A TRENCH MACHINE OR BACKHOE COULD RESULT IN DAMAGE TO IDOT BEO CABLES AND REPAIRS WILL BE PAID FOR AT THE CONTRACTORS EXPENSE. THE CONTRACTOR WILL RECEIVE ONE (1) LOCATE PER LOCATION AND SHALL BE REQUIRED TO MAINTAIN THE MARKS, ANY ADDITIONAL LOCATES REQUIRED BY THE CONTRACT 62583 WILL BE PAID FOR AT THE CONTRACTORS EXPENSE.

GENERAL NOTES: CITY OF CHICAGO

- A PERMIT FROM THE DEPARTMENT OF WATER MANAGEMENT IS REQUIRED IN ADVANCE FOR ANY UNDERGROUND SEWER WORK INCLUDING ADJUSTMENT OF STRUCTURES, REMOVAL/REPLACEMENT OF FRAMES AND LIDS, TELEVISION SURVEYS, CLEANING, LINING, AND INSPECTIONS. THE DEPARTMENT OF WATER MANAGEMENT PERMIT MUST BE OBTAINED BY A LICENSED SEWER DRAIN LAYER PRIOR TO START OF CONSTRUCTION. THE LICENSED SEWER CONTRACTOR/SUBCONTRACTOR MUST SUBMIT TWO SETS OF PLANS APPROVED BY THE DEPARTMENT OF WATER MANAGEMENT FOR THE ISSUE OF THE SEWER PERMIT TO 1000 EAST OHIO STREET, JARDINE WATER PURIFICATION PLANT, CHICAGO, IL 60611. INSPECTION WILL BE PROVIDED BY THE DEPARTMENT OF WATER MANAGEMENT.
- IN CASE OF DAMAGE TO CITY OF CHICAGO SEWERS, PRIVATE AND PUBLIC DRAINS, SEWER STRUCTURES AND/OR BENCH MONUMENTS, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE DEPARTMENT OF WATER MANAGEMENT AT 312-747-7001.
- BENCH MONUMENT LOCATIONS WITHIN THE LIMITS OF THE IMPROVEMENT CAN BE OBTAINED FROM THE DEPARTMENT OF WATER MANAGEMENT AT 1000 EAST OHIO, JARDINE WATER PURIFICATION PLANT, CHICAGO, IL 60611.
- THE RESIDENT ENGINEER AND THE CONTRACTOR SHALL FIELD-VERIFY THE CITY'S EXISTING SEWER FACILITIES INCLUDING PUBLIC AND PRIVATE DRAIN CONNECTIONS IN THE LIMITS OF THE SUBJECT PROJECT FOR ANY CONFLICTS DUE TO THE PROPOSED IMPROVEMENTS. ANY CONFLICTS SHOULD BE RESOLVED WITH THE DEPARTMENT OF WATER MANAGEMENT PRIOR TO THE START OF CONSTRUCTION.
- IN LOCATIONS WHERE THE MAIN SEWERS, DRAINAGE STRUCTURES, PUBLIC, AND PRIVATE DRAIN CONNECTIONS ARE DISTURBED OR DAMAGED DURING CONSTRUCTION BY THE CONTRACTOR, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO RESTORE AND REPLACE THE DAMAGED FACILITIES AT HIS/HER OWN EXPENSE TO THE SATISFACTION OF THE DEPARTMENT OF WATER MANAGEMENT. THE SEWER FLOWS MUST BE MAINTAINED AT ALL TIMES.
- EXTREME CAUTION IS TO BE TAKEN TO ENSURE THAT NO FACILITY OWNED AND MAINTAINED BY THE DEPARTMENT OF WATER MANAGEMENT IS DAMAGED DURING CONSTRUCTION. IF ANY DAMAGE OCCURS TO ANY FACILITIES, THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE COST OF REPAIRING OR REPLACING THEM.

SUGGESTED SCHEDULE

MARCH 1, 2009 TO JUNE 1, 2009:
CONSTRUCTION OF CORNER GARDENS, INSTALLATION OF WATER SERVICE AND IRRIGATION SYSTEMS FOR ALL GATEWAY AND CORNER GARDENS, INSTALLATION OF ALL WOODY PLANT MATERIALS AND PERENNIAL PLANTS.

JUNE 1, 2009:
INTERIM COMPLETION DATE

JUNE 1, 2009:
CERTIFICATION TO THE BUREAU OF MAINTENANCE THAT ALL PLANTS HAVE BEEN INSTALLED AND ARE IN A LIVE HEALTHY CONDITION AND ELIGIBLE FOR A SEPTEMBER PERIOD OF ESTABLISHMENT INSPECTIONS.

JUNE 1, 2009 TO MAY 1, 2010:
PROVIDE PLANT CARE REQUIRED FOR ALL PLANTS (WEEDING WATERING, OR OTHER WORK WHICH IS NECESSARY TO MAINTAIN HEALTH AND SATISFACTORY APPEARANCE OF THE GATEWAY AND CORNER GARDENS) DURING THE PERIOD OF ESTABLISHMENT AND ACCORDING TO THE LANDSCAPE MAINTENANCE SPECIAL PROVISION.

SEPT. 1, 2009 TO SEPT 30, 2009:
PERIOD OF ESTABLISHMENT INSPECTION PERIOD.

OCT. 1, 2009 TO OCT. 31, 2009:
FALL SHUT DOWN

APRIL 1, 2010 TO MAY 1, 2010
SPRING START UP

MAY 1, 2010:
COMPLETION DATE

LANDSCAPING:

- THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS WHICH WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.
- THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION OF EXISTING PLANT MATERIAL FOR WHICH THE CONTRACT DOES NOT PROVIDE REMOVAL. THE PROTECTION OF EXISTING PLANT MATERIAL AND THE REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL DAMAGED BY THE CONTRACTOR SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 201 OF THE STANDARD SPECIFICATIONS.

SPECIAL COMMITMENTS:

- THE CONTRACTOR & THE ENGINEER SHALL SUBMIT THE IRRIGATION SHOP DRAWINGS FOR REVIEW & APPROVAL BY THE CITY OF CHICAGO - STREETSCAPE UNIT, 4 WEEKS IN ADVANCE, PRIOR TO THE START OF THE IRRIGATION WORK.
- THE CITY OF CHICAGO - STREETSCAPE UNIT REPRESENTATIVES SHALL BE INVITED TO PARTICIPATE IN THE CONSTRUCTION PROGRESS MEETINGS. THE MEETINGS SCHEDULE SHALL BE PROVIDED TO THE CITY IN ADVANCE.
- THE CITY OF CHICAGO-STREETSCAPE UNIT REPRESENTATIVES SHALL BE AFFORDED THE OPPORTUNITY TO OBSERVE ALL LANDSCAPING & IRRIGATION WORK IN COORDINATION WITH & CONCURRENCE OF THE ENGINEER.
- THE CONTRACTOR & THE ENGINEER, IN COORDINATION WITH IDOT'S LANDSCAPING REPRESENTATIVE, SHALL PROVIDE A WRITTEN DESCRIPTION OF THE TURN OVER PROCEDURE OF THE IRRIGATION WORK AT THE END OF THE PROJECT TO THE CITY OF CHICAGO- STREETSCAPE UNIT.
- THE CITY OF CHICAGO-STREETSCAPE UNIT REPRESENTATIVES SHALL BE INVITED BY THE CONTRACTOR AND THE ENGINEER TO ATTEND & PARTICIPATE IN THE FINAL

PROJECT COMMITMENTS:

- IDOT WILL CONTINUE TO COORDINATE WITH THE CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION (CDOT) AND THE CHICAGO TRANSPORTATION AUTHORITY (CTA) USING THE "DAN RYAN EXPRESSWAY LANDSCAPE GUIDELINES", PREPARED BY CDOT AS GUIDELINES THROUGHOUT PHASE II OF THE PROJECT (PREPARATION OF CONTRACT PLANS) ON THE AESTHETICS AND LANDSCAPING TREATMENTS.
- THE ISGS CONDUCTED A PRELIMINARY ENVIRONMENTAL SITE ASSESSMENT (PESA) IN WHICH THEY ASSESSED A HIGH RISK FOR THE OCCURRENCE OF HAZARDOUS MATERIALS. A SPECIAL WASTE WAIVER HAS BEEN APPROVED WHICH ALLOWS DESIGN APPROVAL TO BE GRANTED PRIOR TO THE COMPLETION OF SPECIAL WASTE STUDIES. THERE ARE STILL OUTSTANDING SPECIAL WASTE ISSUES THAT MUST BE ADDRESSED. THE ENVIRONMENTAL STUDIES UNIT SHOULD BE CONTACTED AT (847) 705-4101 TO DISCUSS THESE ISSUES. TO DETERMINE THE IMPLICATIONS OF FUTURE DESIGN CHANGES, PLEASE REFER TO THE PESA REVIEW COVER MEMOS FOR ISGS #1106A, AS DEPICTED IN EXHIBIT 7 - SPECIAL WASTE WAIVER IN THE CLASS OF ACTION DETERMINATION (ECAD).

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-072 LS	COOK	36	2
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

60A78

REVISIONS	
NAME	DATE

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SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY	ROADWAY		LANDSCAPING
				UDOT	CDOT	
	<i>URBAN 100% STATE</i>					
25000210	SEEDING, CLASS 2A	ACRE	0.61	0.61		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	138	55		83
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	105	55		50
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	89	55		34
25100630	EROSION CONTROL BLANKET	SQ YD	26,617	26617		
28000510	INLET FILTERS	EACH	29	29		
42001300	PROTECTIVE COAT	SQ YD	158		158	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	338		338	
44000300	CURB REMOVAL	FOOT	11		11	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	50		50	
44000600	SIDEWALK REMOVAL	SQ FT	338		338	
44003100	MEDIAN REMOVAL	SQ FT	95		95	
44201357	CLASS C PATCHES, TYPE III, 10 INCH	SQ YD	52		52	
56104600	WATER VALVES 2"	EACH	4		4	
60601005	CONCRETE CURB, TYPE B (SPECIAL)	FOOT	11		11	
60604100	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MODIFIED)	FOOT	20		20	
67100100	MOBILIZATION	LSUM	1	1		
70101800	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	LSUM	1	1		
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	12	12		
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	16	16		
K0030400	PERENNIAL PLANTS, DAYLILIES	UNIT	29.97			29.97
K0030470	PERENNIAL PLANTS, ORNAMENTAL GRASS TYPE	UNIT	41.09			41.09
X0301407	PERENNIAL PLANTS, GALLON POT	UNIT	58.65			58.65
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	52	52		
X0325103	WATER METER IN VAULT, 2 INCH	EACH	4		4	
X0325104	WATER TAP, 2 INCH	EACH	4		4	
X0325105	IRRIGATION SYSTEM	SQ YD	2,184		2,184	
X0325106	IRRIGATION SYSTEM FALL SHUT-DOWN	EACH	4		4	
X0325107	IRRIGATION SYSTEM SPRING START-UP	EACH	4		4	
X0325108	BACKFLOW PREVENTER (RP2), 2 INCH	EACH	4		4	
X0325604	WEED CONTROL, PRE-EMERGENT HERBICIDE	GALON	1			1

CODE NO.	ITEM	UNIT	QUANTITY	ROADWAY		LANDSCAPING
				UDOT	CDOT	
	<i>URBAN 100% STATE</i>					
X0656300	PAVEMENT REMOVAL AND REPLACEMENT	SQ YD	44		44	
X6065740	CONCRETE MEDIAN SURFACE, 5" (MODIFIED)	SQ FT	95		95	
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	LSUM	1	1		
XX005307	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 3" CALIPER, BALLED & BURLAPPED	EACH	26			26
XX006326	TYPE K COPPER PIPE 2"	FOOT	200		200	
XX104800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-V.12	FOOT	30		30	
XX152400	SAND CUSHION, 3 INCH	CU YD	3.2		3.2	
Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1		
Z0076600	TRAINEES	HOUR				
C2007010	SHRUB, ROSA RADRAZZ (KNOCK OUT ROSE), CONTAINER GROWN, 3-GALLON	EACH	953			953
B2010020	TREE, AMELANCHIER GRANDIFLORA PRINCESS DIANA (PRINCESS DIANA APPLE SERVICEBERRY), 8' HEIGHT, BALLED AND BURLAPPED	EACH	28			28
X0326146	SOIL CONDITIONER	SQ YD	4,463			4,463
K1003460	LANDSCAPE MAINTENANCE	CAL MO	12			12

* DENOTES SPECIALTY ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 47TH STREET GATEWAY LANDSCAPING AND IRRIGATION

SUMMARY OF QUANTITIES

SCALE: NONE DRAWN BY: MK
 DATE: MAY 02, 2008 CHECKED BY: RMG



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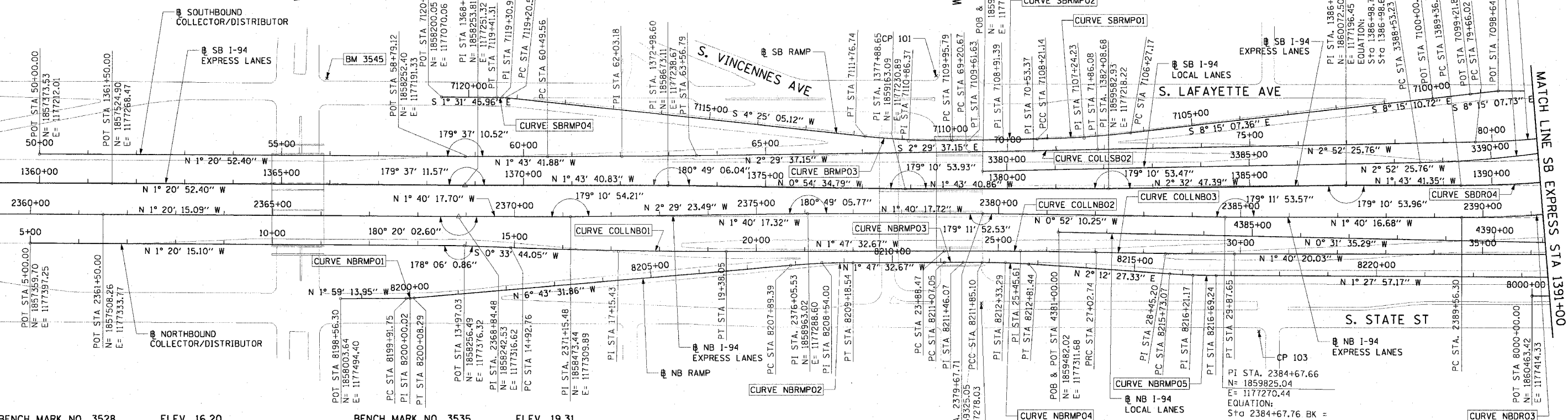
F.A.I. SECTION COUNTY TOTAL SHEETS SHEET NO.
90/94 2005-072 LS COOK 38 4
STA. TO STA. TO ILLINOIS FED. AID PROJECT
60A78

CURVE COLLNBO1	CURVE COLLNBO2	CURVE COLLNBO3	CURVE COLLSBO1	CURVE COLLSBO2	CURVE COLLSBO3	CURVE SBRMPO1	CURVE SBRMPO2	CURVE SBRMPO3	CURVE SBRMPO4
P.I. STA= 17+15.43 N= 1,858,574.87 E= 1,177,378.55 Δ= 2° 07' 33" D= 0° 28' 38" R= 12,000.00' T= 222.67' L= 445.29 E= 2.06' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 14+92.76 N= 1,858,352.21 E= 1,177,377.25 P.T. STA= 19+38.05 N= 1,858,797.43 E= 1,177,371.58	P.I. STA= 25+45.61 N= 1,859,404.70 E= 1,177,352.58 Δ= 1° 17' 10" D= 0° 24' 33" R= 14,000.00' T= 157.14' L= 314.27 E= 0.88' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 23+88.47 N= 1,859,247.63 E= 1,177,357.49 P.T. STA= 27+02.74 N= 1,859,561.83 E= 1,177,351.19	P.I. STA= 28+45.20 N= 1,859,704.28 E= 1,177,349.93 Δ= 1° 09' 57" D= 0° 24' 33" R= 14,000.00' T= 142.45' L= 284.90 E= 0.72' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 27+02.74 N= 1,859,561.83 E= 1,177,351.19 P.T. STA= 29+87.65 N= 1,859,846.68 E= 1,177,345.77	P.I. STA= 62+03.18 N= 1,858,576.31 E= 1,177,181.55 Δ= 0° 45' 55" D= 0° 14' 56" R= 23,000.00' T= 153.61' L= 307.23 E= 0.51' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 60+49.56 N= 1,858,422.76 E= 1,177,186.19 P.T. STA= 63+56.79 N= 1,858,729.78 E= 1,177,174.87	P.I. STA= 70+53.37 N= 1,859,425.70 E= 1,177,144.56 Δ= 0° 22' 48" D= 0° 14' 56" R= 40,000.00' T= 132.70' L= 265.40 E= 0.22' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 69+20.67 N= 1,860,337.20 E= 1,177,150.34 P.T. STA= 71+86.08 N= 1,860,610.14 E= 1,177,137.91	P.I. STA= 81+04.03 N= 1,860,475.04 E= 1,177,091.89 Δ= 8° 56' 14" D= 0° 14' 56" R= 2,000.00' T= 138.01' L= 275.46 E= 5.38' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 79+66.02 N= 1,860,293.13 E= 1,177,098.81 P.T. STA= 82+41.49 N= 1,860,610.14 E= 1,177,063.64	P.I. STA= 7107+24.23 N= 1,859,529.38 E= 1,177,115.44 Δ= 5° 33' 25" D= 2° 51' 53" R= 2,000.00' T= 97.06' L= 193.98 E= 2.35' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 7106+27.17 N= 1,859,625.44 E= 1,177,101.51 P.T. STA= 7108+21.14 N= 1,859,432.42 E= 1,177,120.01	P.I. STA= 7108+91.39 N= 1,859,362.26 E= 1,177,123.31 Δ= 0° 12' 05" D= 0° 08' 36" R= 39,975.44' T= 70.24' L= 140.48 E= 0.06' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 7108+21.14 N= 1,859,432.42 E= 1,177,120.01 P.T. STA= 7109+61.63 N= 1,859,292.09 E= 1,177,126.36	P.I. STA= 7110+86.37 N= 1,859,167.46 E= 1,177,131.79 Δ= 6° 54' 42" D= 3° 49' 11" R= 1,500.00' T= 90.58' L= 180.95 E= 2.73' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 7109+95.79 N= 1,859,257.95 E= 1,177,127.85 P.T. STA= 7111+76.74 N= 1,859,077.14 E= 1,177,124.81	P.I. STA= 7119+30.94 N= 1,858,325.18 E= 1,177,066.71 Δ= 5° 56' 51" D= 28° 38' 52" R= 200.00' T= 10.39' L= 20.76' E= 0.27' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 7119+20.55 N= 1,858,335.54 E= 1,177,067.52 P.T. STA= 7119+41.31 N= 1,858,314.79 E= 1,177,066.99

W. 72nd ST

W. 71st ST

W. 69th ST



BENCH MARK NO. 3528 ELEV. 16.20 DESCRIPTION: CROSS CUT ON NORTHWESTERLY BOLT OF FIRE HYDRANT AT THE NORTHWEST CORNER OF 45TH ST AND WENTWORTH AVE	BENCH MARK NO. 3530 ELEV. 18.18 DESCRIPTION: CROSS CUT ON SOUTHEAST BOLT OF LIGHT POLE BASE AT THE NORTHWEST CORNER OF 51ST ST AND WELLS ST	BENCH MARK NO. 3531 ELEV. 17.55 DESCRIPTION: CROSS CUT ON NORTHEASTERLY FLANGE BOLT OF FIRE HYDRANT AT THE NORTHEAST CORNER OF GARFIELD BLVD AND WELLS ST	BENCH MARK NO. 3532 ELEV. 18.84 DESCRIPTION: HORIZONTAL BOLT ON CTA "EL" STRUCTURE, EAST SIDE OF WELLS ST ABOUT 50 FEET NORTH OF 59TH PL.	BENCH MARK NO. 3533 ELEV. 19.71 DESCRIPTION: BRASS DISK (CTA MONUMENT) AT THE SOUTHWEST CORNER OF 63RD ST AND HARVARD ST
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BENCH MARK NO. 3535 ELEV. 19.31 DESCRIPTION: FOUND CROSS CUT ON SOUTHERLY FLANGE BOLT OF FIRE HYDRANT AT THE NORTHEAST CORNER OF 59TH ST AND WENTWORTH AVE	BENCH MARK NO. 3536 ELEV. 18.37 DESCRIPTION: CROSS CUT ON SOUTHEASTERLY FLANGE BOLT OF FIRE HYDRANT AT THE SOUTHEAST CORNER OF GARFIELD BLVD AND WENTWORTH AVE	BENCH MARK NO. 3537 ELEV. 17.71 DESCRIPTION: CROSS CUT ON NORTHEASTERLY FLANGE BOLT OF FIRE HYDRANT AT THE NORTHEAST CORNER OF 51ST ST AND WENTWORTH AVE	BENCH MARK NO. 3538 ELEV. 17.31 DESCRIPTION: CROSS CUT ON EASTERLY FLANGE BOLT OF FIRE HYDRANT AT THE NORTHEAST CORNER OF 47TH ST AND LASALLE ST	BENCH MARK NO. 3544 ELEV. 19.38 DESCRIPTION: CROSS CUT ON WESTERLY FLANGE BOLT OF FIRE HYDRANT AT THE NORTHWEST CORNER OF 67TH ST AND LAFAYETTE AVE
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CURVE NBRMPO1 P.I. STA= 8200+00.02 N= 1,858,147.27 E= 1,177,489.42 Δ= 4° 44' 18" D= 28° 38' 52" R= 200.00' T= 8.27' L= 16.54 E= 0.17' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 8199+91.75 N= 1,858,139.01 E= 1,177,489.70 P.T. STA= 8200+08.29 N= 1,858,155.49 E= 1,177,488.45	CURVE NBRMPO2 P.I. STA= 8208+54.00 N= 1,858,995.39 E= 1,177,389.40 Δ= 4° 55' 59" D= 3° 49' 11" R= 1,500.00' T= 64.61' L= 129.15 E= 1.39' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 8207+89.39 N= 1,858,931.22 E= 1,177,396.97 P.T. STA= 8209+18.54 N= 1,859,059.97 E= 1,177,387.38	CURVE NBRMPO3 P.I. STA= 8211+46.07 N= 1,859,287.39 E= 1,177,380.27 Δ= 0° 19' 12" D= 0° 24' 36" R= 13,976.00' T= 39.03' L= 78.05 E= 0.05' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 8211+46.07 N= 1,859,248.39 E= 1,177,381.49 P.T. STA= 8211+85.10 N= 1,859,326.41 E= 1,177,379.26	CURVE NBRMPO4 P.I. STA= 8212+33.29 N= 1,859,374.58 E= 1,177,378.02 Δ= 3° 40' 48" D= 3° 49' 11" R= 1,500.00' T= 48.19' L= 96.34 E= 0.77' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 8211+85.10 N= 1,859,326.41 E= 1,177,379.26 P.T. STA= 8212+81.44 N= 1,859,422.73 E= 1,177,379.88
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CURVE NBRMPO5 P.I. STA= 8216+21.17 N= 1,859,762.21 E= 1,177,392.97 Δ= 3° 40' 25" D= 3° 49' 11" R= 1,500.00' T= 48.10' L= 96.17' E= 0.77' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 8215+73.07 N= 1,859,714.14 E= 1,177,391.11 P.T. STA= 8216+69.24 N= 1,859,810.29 E= 1,177,391.74	CURVE SBLOCSO1 P.I. STA= 3391+35.61 N= 1,860,506.29 E= 1,177,130.62 Δ= 15° 38' 54" D= 2° 47' 17" R= 2,055.00' T= 282.39' L= 561.26' E= 19.31' e= 5.5% T.R.= 41' S.E. RUN= 196' P.C. STA= 3388+53.23 N= 1,860,224.26 E= 1,177,144.78 P.T. STA= 3394+14.48 N= 1,860,774.05 E= 1,177,040.92
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NOTES:
1. AVERAGE GRID TO GROUND CONVERSION FACTOR = 1.000010988654360

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
47TH STREET GATEWAY LANDSCAPING AND IRRIGATION
ALIGNMENT PLAN
SCALE: 1"=100'
DATE: MAY 02, 2008
DRAWN BY: NJH/JMM
CHECKED BY: JAL/JMS



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CURVE LAFAYO1
P.I. STA= 6014+47.81
N= 1,860,720.67
E= 1,176,979.33
Δ= 22° 19' 50"
D= 11° 09' 07"
R= 513.76'
T= 101.40'
L= 200.23'
E= 9.91'
e= N/A
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 6013+46.41
N= 1,860,619.35
E= 1,176,983.37
P.T. STA= 6015+46.64
N= 1,860,812.86
E= 1,176,937.10

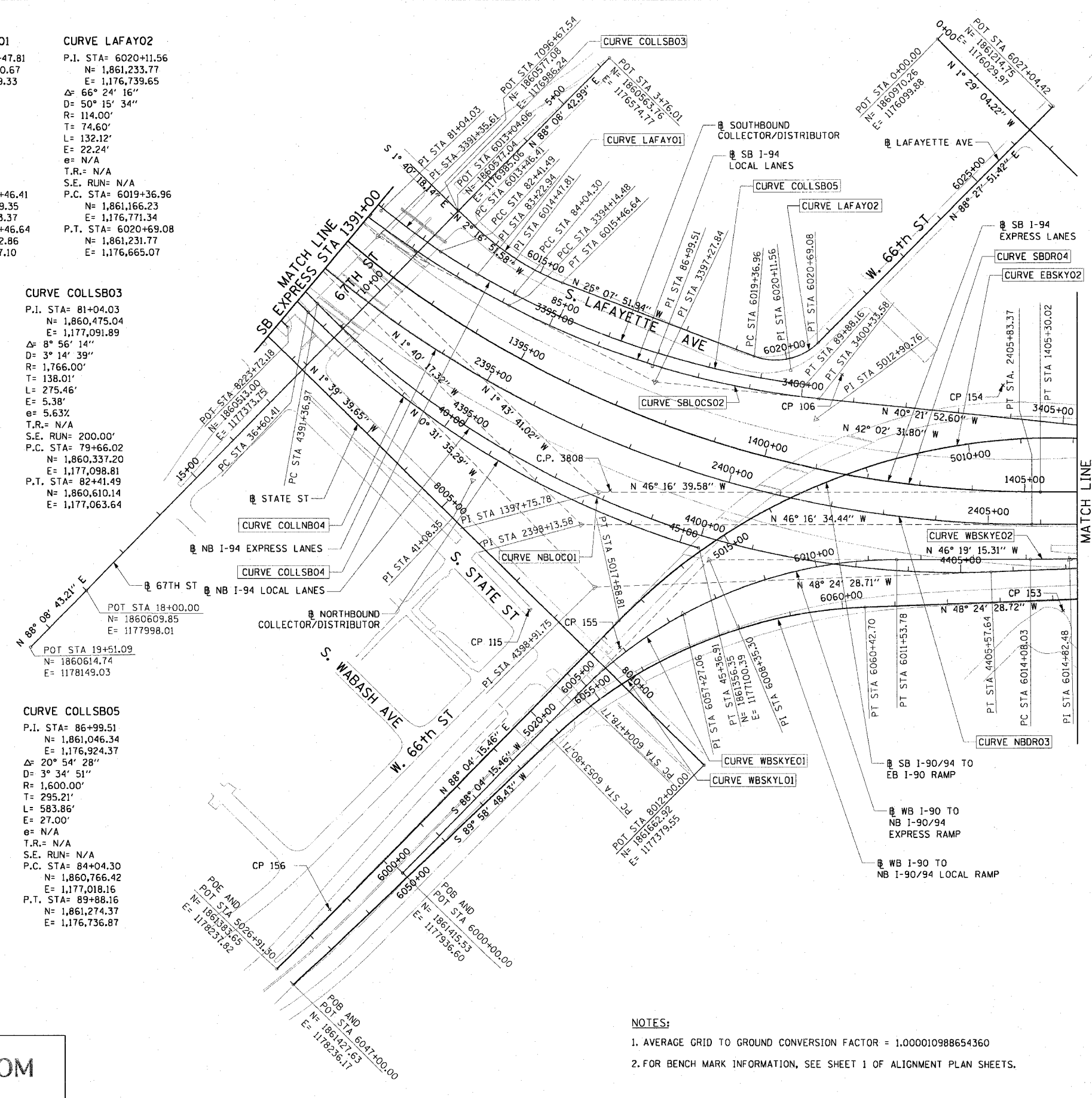
CURVE LAFAYO2
P.I. STA= 6020+11.56
N= 1,861,233.77
E= 1,176,739.65
Δ= 66° 24' 16"
D= 50° 15' 34"
R= 114.00'
T= 74.60'
L= 132.12'
E= 22.24'
e= N/A
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 6019+36.96
N= 1,861,166.23
E= 1,176,771.34
P.T. STA= 6020+69.08
N= 1,861,231.77
E= 1,176,665.07

CURVE COLLNB04
P.I. STA= 41+08.35
N= 1,860,967.08
E= 1,177,322.03
Δ= 29° 07' 47"
D= 3° 19' 24"
R= 1,724.00'
T= 447.94'
L= 876.49'
E= 57.24'
e= 5.9%
T.R.= 41'
S.E. RUN= 210' (236.93')
P.C. STA= 36+60.41
N= 1,860,519.16
E= 1,177,326.14
P.T. STA= 45+36.91
N= 1,861,356.34
E= 1,177,100.39

CURVE COLLSB03
P.I. STA= 81+04.03
N= 1,860,475.04
E= 1,177,091.89
Δ= 8° 56' 14"
D= 3° 14' 39"
R= 1,766.00'
T= 138.01'
L= 275.46'
E= 5.38'
e= 5.63%
T.R.= N/A
S.E. RUN= 200.00'
P.C. STA= 79+66.02
N= 1,860,337.20
E= 1,177,098.81
P.T. STA= 82+41.49
N= 1,860,610.14
E= 1,177,063.64

CURVE COLLNB04
P.I. STA= 83+22.94
N= 1,860,689.19
E= 1,177,044.03
Δ= 4° 35' 34"
D= 2° 49' 15"
R= 2,031.00'
T= 81.44'
L= 162.81'
E= 1.63'
e= 5.5%
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 82+41.49
N= 1,860,610.14
E= 1,177,063.64
P.T. STA= 84+04.30
N= 1,860,766.42
E= 1,177,018.16

CURVE COLLSB05
P.I. STA= 86+99.51
N= 1,861,046.34
E= 1,176,924.37
Δ= 20° 54' 28"
D= 3° 34' 51"
R= 1,600.00'
T= 295.21'
L= 583.86'
E= 27.00'
e= N/A
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 84+04.30
N= 1,860,766.42
E= 1,177,018.16
P.T. STA= 89+88.16
N= 1,861,274.37
E= 1,176,736.87



CURVE NBLOCO1
P.I. STA= 4398+91.75
N= 1,861,273.69
E= 1,177,295.21
Δ= 47° 52' 53"
D= 3° 22' 13"
R= 1,700.00'
T= 754.78'
L= 1420.67'
E= 160.03'
e= 5.9%
T.R.= 41'
S.E. RUN= 210' (236.93')
P.C. STA= 4391+36.97
N= 1,860,519.94
E= 1,177,302.15
P.T. STA= 4405+57.64
N= 1,861,774.74
E= 1,176,730.72

CURVE NBDRO3
P.I. STA= 2398+13.58
N= 1,861,170.38
E= 1,177,231.19
Δ= 44° 36' 17"
D= 2° 44' 29"
R= 2,090.00'
T= 857.27'
L= 1627.06'
E= 168.99'
e= 5.5%
T.R.= 41' (41')
S.E. RUN= 196' (274.66')
P.C. STA= 2389+56.30
N= 1,860,313.48
E= 1,177,256.19
P.T. STA= 2405+83.37
N= 1,861,762.92
E= 1,176,611.65

CURVE WBSKYLO1
P.I. STA= 6057+27.06
N= 1,861,427.27
E= 1,177,209.11
Δ= 41° 36' 43"
D= 6° 17' 09"
R= 911.50'
T= 346.35'
L= 661.99'
E= 63.59'
e= 6.0%
T.R.= N/A
S.E. RUN= 129' (129')
P.C. STA= 6053+80.71
N= 1,861,427.39
E= 1,177,555.47
P.T. STA= 6060+42.70
N= 1,861,657.19
E= 1,176,950.08

CURVE WBSKYEO1
P.I. STA= 6008+35.30
N= 1,861,387.41
E= 1,177,101.77
Δ= 45° 36' 29"
D= 6° 45' 24"
R= 848.00'
T= 356.54'
L= 675.02'
E= 71.90'
e= 6.0%
T.R.= N/A
S.E. RUN= 96' (179.23')
P.C. STA= 6004+78.77
N= 1,861,399.41
E= 1,177,458.10
P.T. STA= 6011+53.78
N= 1,861,633.64
E= 1,176,843.91

CURVE WBSKYEO2
P.I. STA= 6014+82.48
N= 1,861,860.65
E= 1,176,606.19
Δ= 2° 30' 00"
D= 1° 40' 45"
R= 3412.00'
T= 74.45'
L= 148.88'
E= 0.81'
e= 3.1%
T.R.= N/A
S.E. RUN= 138.58' (80.76')
P.C. STA= 6014+08.03
N= 1,861,809.23
E= 1,176,660.04
P.T. STA= 6015+56.91
N= 1,861,909.67
E= 1,176,550.16

CURVE SBLOCSO2
P.I. STA= 3397+27.84
N= 1,861,071.17
E= 1,176,941.37
Δ= 21° 50' 32"
D= 3° 31' 41"
R= 1624.00'
T= 313.36'
L= 619.10'
E= 29.96'
e= 6.0%
T.R.= 41'
S.E. RUN= 213'
P.C. STA= 3394+14.48
N= 1,860,774.05
E= 1,177,040.92
P.T. STA= 3400+35.58
N= 1,861,309.93
E= 1,176,738.43

CURVE EBSKYO2
P.I. STA= 5012+90.76
N= 1,861,334.19
E= 1,176,769.43
Δ= 49° 53' 13"
D= 4° 57' 54"
R= 1,154.00'
T= 536.73'
L= 1004.78'
E= 118.71'
e= 5.6%
T.R.= 48' (96')
S.E. RUN= 135' (135')
P.C. STA= 5007+54.03
N= 1,861,732.80
E= 1,176,409.99
P.T. STA= 5017+58.81
N= 1,861,352.26
E= 1,177,305.85

CURVE SBDR04
P.I. STA= 1397+75.78
N= 1,861,149.16
E= 1,177,163.97
Δ= 44° 32' 59"
D= 2° 47' 42"
R= 2,050.00'
T= 839.71'
L= 1593.95'
E= 165.31'
e= 5.5%
T.R.= 96'
S.E. RUN= 226' (244.83')
P.C. STA= 1389+36.07
N= 1,860,309.83
E= 1,177,189.29
P.T. STA= 1405+30.02
N= 1,861,729.54
E= 1,176,557.11

- NOTES:**
1. AVERAGE GRID TO GROUND CONVERSION FACTOR = 1.000010988654360
 2. FOR BENCH MARK INFORMATION, SEE SHEET 1 OF ALIGNMENT PLAN SHEETS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
47TH STREET GATEWAY LANDSCAPING AND IRRIGATION
ALIGNMENT PLAN

SCALE: 1"=100'
DATE: MAY 02, 2008

DRAWN BY: NJH/AMM
CHECKED BY: JAL/MS

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CURVE EKWELLO1
P.I. STA= 9+04.39
N= 1,861,874.35
E= 1,176,076.45
Δ= 10° 52' 16"
D= 5° 40' 05"
R= 1,010.83'
T= 96.18'
L= 191.79'
E= 4.56'
e= N/A
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 8+08.21
N= 1,861,778.19
E= 1,176,078.94
P.T. STA= 10+00.00
N= 1,861,968.30
E= 1,176,055.87

CURVE EKWELLO2
P.I. STA= 10+99.36
N= 1,862,065.35
E= 1,176,034.61
Δ= 23° 41' 58"
D= 21° 47' 07"
R= 263.00'
T= 55.18'
L= 108.78'
E= 4.56'
e= N/A
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 10+44.17
N= 1,862,011.45
E= 1,176,002.13
P.T. STA= 11+52.96
N= 1,862,109.97
E= 1,176,002.13

CURVE EKWELLO3
P.I. STA= 12+18.75
N= 1,862,163.15
E= 1,175,963.41
Δ= 2° 58' 46"
D= 2° 15' 54"
R= 2,529.60'
T= 65.78'
L= 131.54'
E= 0.85'
e= N/A
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 11+52.96
N= 1,862,109.97
E= 1,176,002.13
P.T. STA= 12+18.75
N= 1,862,218.28
E= 1,175,927.50

CURVE EKWELLO4
P.I. STA= 13+72.28
N= 1,862,291.83
E= 1,175,879.60
Δ= 5° 48' 38"
D= 3° 18' 45"
R= 1,729.58'
T= 87.77'
L= 175.40'
E= 2.22'
e= N/A
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 12+84.51
N= 1,862,218.28
E= 1,175,927.50
P.T. STA= 14+59.61
N= 1,862,369.86
E= 1,175,839.39

CURVE EKWELLO5
P.I. STA= 19+10.50
N= 1,862,770.39
E= 1,175,632.97
Δ= 12° 45' 31"
D= 6° 11' 38"
R= 925.00'
T= 103.41'
L= 205.97'
E= 5.76'
e= N/A
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 18+07.09
N= 1,862,678.46
E= 1,175,680.34
P.T. STA= 20+13.07
N= 1,862,870.51
E= 1,175,607.06

CURVE EKWELLO6
P.I. STA= 21+01.89
N= 1,862,957.45
E= 1,175,589.82
Δ= 5° 16' 59"
D= 6° 48' 23"
R= 841.78'
T= 38.83'
L= 77.62'
E= 0.89'
e= N/A
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 20+63.05
N= 1,862,918.90
E= 1,175,594.54
P.T. STA= 21+40.67
N= 1,862,996.27
E= 1,175,588.66

SPIRAL NBDRO1B
P.I. STA= 2410+35.55
N= 1,862,075.46
E= 1,176,284.87
Δ= 6° 30' 41"
LS= 348.44'
YS= 13.19'
XS= 347.99'
P= 3.30'
K= 174.15'
LT= 232.45'
ST= 116.29'
LC= 348.24'
T.S. STA= 2408+03.10
N= 1,861,914.79
E= 1,176,452.86
S.C. STA= 2411+51.54
N= 1,862,164.85
E= 1,176,210.49

CURVE EBSKY01
P.I. STA= 5001+75.92
N= 1,862,163.03
E= 1,176,022.04
Δ= 11° 35' 10"
D= 3° 18' 15"
R= 1734.00'
T= 175.92'
L= 350.64'
E= 8.90'
e= 5.6'
T.R.= 41' (96')
S.E. RUN= 135'
P.C. STA= 5000+00.00
N= 1,862,314.67
E= 1,175,932.87
P.T. STA= 5003+50.64
N= 1,862,032.38
E= 1,176,139.85

CURVE SBLOCS03
P.I. STA= 3411+09.43
N= 1,862,129.66
E= 1,176,041.66
Δ= 9° 54' 30"
D= 2° 18' 51"
R= 2476.00'
T= 214.63'
L= 428.19'
E= 9.29'
e= 5.0'
T.R.= 41'
S.E. RUN= 205'
P.C. STA= 3408+94.80
N= 1,861,966.12
E= 1,176,180.66
P.T. STA= 3413+22.99
N= 1,862,314.67
E= 1,175,932.87

CURVE SBDRO5
P.I. STA= 1415+93.26
N= 1,862,464.42
E= 1,175,788.71
Δ= 44° 41' 46"
D= 3° 15' 20"
R= 1760.00'
T= 723.55'
L= 1372.97'
E= 142.93'
e= 5.9'
T.R.= 41' (41')
S.E. RUN= 262.17' (242')
P.C. STA= 1408+69.71
N= 1,861,966.12
E= 1,176,311.62
P.T. STA= 1422+42.67
N= 1,863,187.69
E= 1,175,768.74

CURVE SBLOCS04
P.I. STA= 3417+65.48
N= 1,862,696.11
E= 1,175,708.58
Δ= 28° 37' 52"
D= 3° 18' 15"
R= 1734.00'
T= 442.49'
L= 866.49'
E= 55.57'
e= 5.9'
T.R.= 41'
S.E. RUN= (242')
P.C. STA= 3413+22.99
N= 1,862,314.67
E= 1,175,932.87
P.T. STA= 3421+89.48
N= 1,863,138.37
E= 1,175,694.49

CURVE WBSKYE03
P.I. STA= 6018+27.62
N= 1,862,087.91
E= 1,176,346.40
Δ= 5° 51' 27"
D= 2° 16' 48"
R= 2513.00'
T= 128.57'
L= 256.91'
E= 3.29'
e= 6.0'
T.R.= N/A
S.E. RUN= 156.14' (145')
P.C. STA= 6016+99.05
N= 1,862,003.26
E= 1,176,443.17
P.T. STA= 6019+55.97
N= 1,862,181.99
E= 1,176,258.78

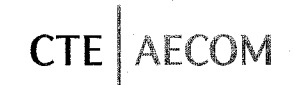
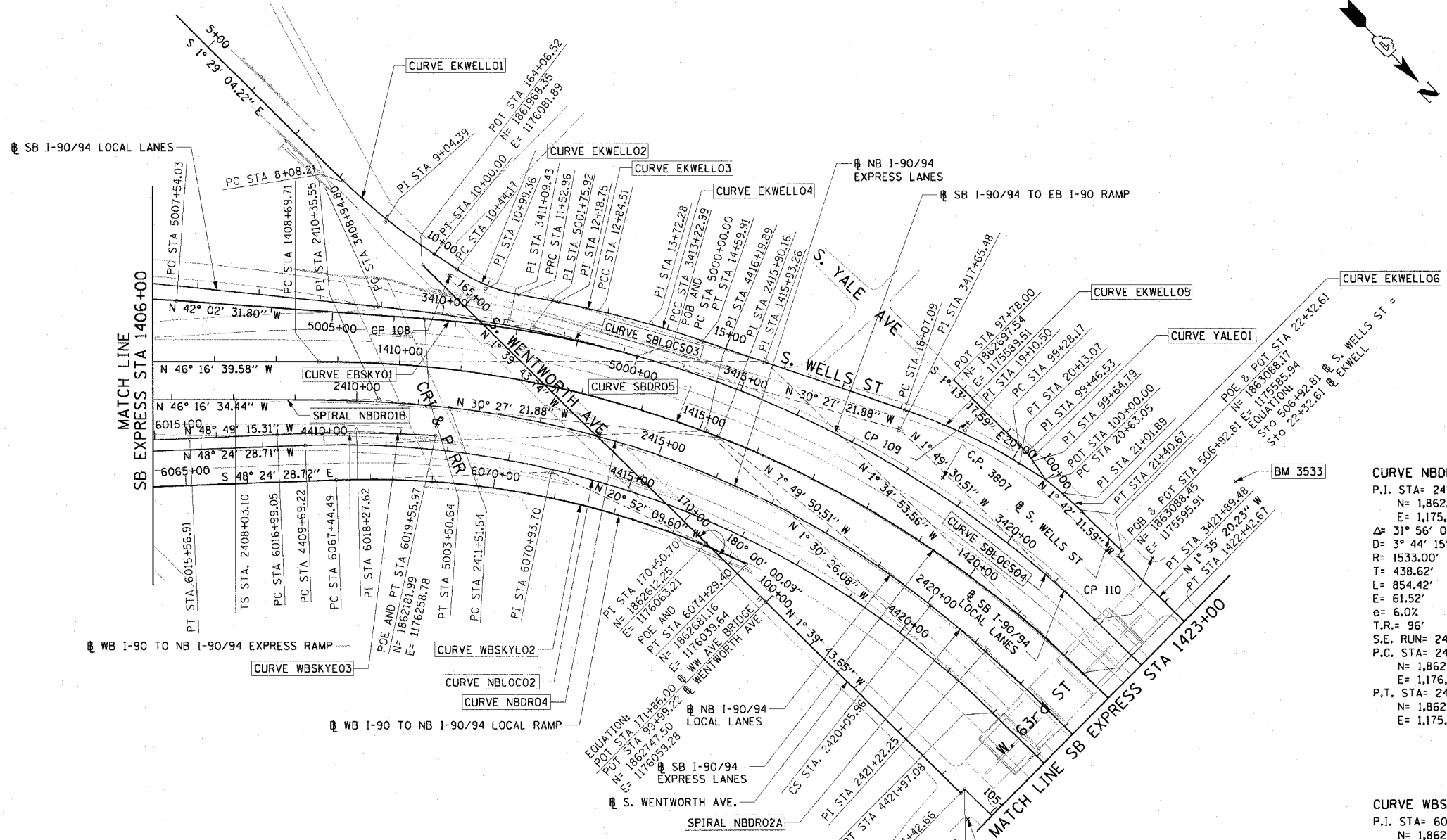
CURVE NBLOCO2
P.I. STA= 4416+19.89
N= 1,862,479.88
E= 1,175,936.27
Δ= 46° 54' 02"
D= 3° 49' 11"
R= 1500.00'
T= 650.67'
L= 1227.85'
E= 135.05'
e= 6.0'
T.R.= 41' (96')
S.E. RUN= 277.55' (246')
P.C. STA= 4409+69.22
N= 1,862,047.95
E= 1,176,422.90
P.T. STA= 4421+97.08
N= 1,863,130.33
E= 1,175,919.15

CURVE NBDRO4
P.I. STA= 2415+90.16
N= 1,862,502.01
E= 1,175,929.93
Δ= 31° 56' 02"
D= 3° 44' 15"
R= 1533.00'
T= 438.62'
L= 854.42'
E= 61.52'
e= 6.0'
T.R.= 96'
S.E. RUN= 246'
P.C. STA= 2411+51.54
N= 1,862,164.85
E= 1,176,210.49
P.T. STA= 2420+05.96
N= 1,862,936.54
E= 1,175,870.16

SPIRAL NBDRO2A
P.I. STA= 2421+22.25
N= 1,863,051.74
E= 1,175,854.32
Δ= 6° 30' 41"
LS= 348.44'
YS= 13.19'
XS= 347.99'
P= 3.30'
K= 174.15'
LT= 232.45'
ST= 116.29'
LC= 348.24'
C.S. STA= 2420+05.96
N= 1,862,936.54
E= 1,175,870.16
S.T. STA= 2423+54.40
N= 1,863,284.13
E= 1,175,848.97

CURVE WBSKYLO2
P.I. STA= 6070+93.70
N= 1,862,354.86
E= 1,176,164.04
Δ= 27° 32' 19"
D= 4° 01' 15"
R= 1425.00'
T= 349.20'
L= 684.91'
E= 42.16'
e= 6.0'
T.R.= N/A
S.E. RUN= 129'
P.C. STA= 6067+44.49
N= 1,862,123.05
E= 1,176,425.21
P.T. STA= 6074+29.40
N= 1,862,681.16
E= 1,176,039.64

CURVE YALEO1
P.I. STA= 99+46.53
N= 1,862,866.03
E= 1,175,585.91
Δ= 10° 29' 32"
D= 28° 38' 52"
R= 200.00'
T= 18.36'
L= 36.62'
E= 0.84'
e= N/A
T.R.= N/A
S.E. RUN= N/A
P.C. STA= 99+28.17
N= 1,862,847.67
E= 1,175,586.30
P.T. STA= 99+64.79
N= 1,862,884.15
E= 1,175,588.87



NOTES:
1. AVERAGE GRID TO GROUND CONVERSION FACTOR = 1.000010988654360
2. FOR BENCH MARK INFORMATION, SEE SHEET 1 OF ALIGNMENT PLAN SHEETS.

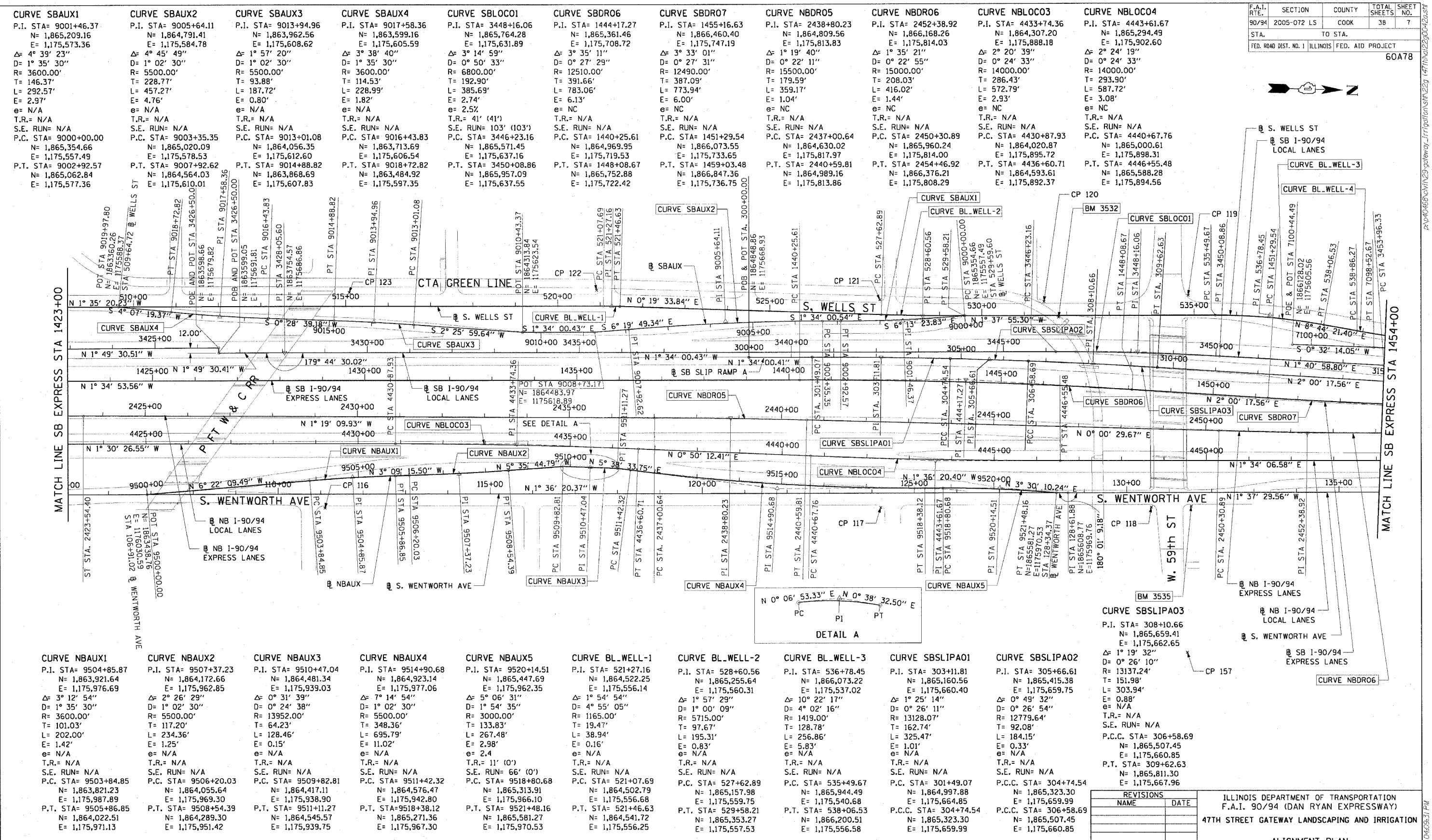
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
47TH STREET GATEWAY LANDSCAPING AND IRRIGATION
ALIGNMENT PLAN
SCALE: 1"=100'
DATE: MAY 02, 2008
DRAWN BY: NJH/AMM
CHECKED BY: JAL/MS

05/02/2008 04:09:30 PM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-072 LS	COOK	38	7
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

60A78



CURVE NBAUX1	P.I. STA= 9504+85.87 N= 1,863,921.64 E= 1,175,976.69 Δ= 3° 12' 54" D= 1° 35' 30" R= 3600.00' T= 101.03' L= 202.00' E= 1.42' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 9503+84.85 N= 1,863,821.23 E= 1,175,987.89 P.T. STA= 9505+86.85 N= 1,864,022.51 E= 1,175,971.13
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CURVE NBAUX2	P.I. STA= 9507+37.23 N= 1,864,172.66 E= 1,175,962.85 Δ= 2° 26' 29" D= 1° 02' 30" R= 5500.00' T= 117.20' L= 234.36' E= 1.25' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 9506+20.03 N= 1,864,055.64 E= 1,175,969.30 P.T. STA= 9508+54.39 N= 1,864,289.30 E= 1,175,951.42
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CURVE NBAUX3	P.I. STA= 9510+47.04 N= 1,864,481.34 E= 1,175,939.03 Δ= 0° 31' 39" D= 0° 24' 38" R= 13952.00' T= 64.23' L= 128.46' E= 0.15' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 9509+82.81 N= 1,864,417.11 E= 1,175,938.90 P.T. STA= 9511+11.27 N= 1,864,545.57 E= 1,175,939.75
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CURVE NBAUX4	P.I. STA= 9514+90.68 N= 1,864,923.14 E= 1,175,977.06 Δ= 7° 14' 54" D= 1° 02' 30" R= 5500.00' T= 348.36' L= 695.79' E= 11.02' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 9511+42.32 N= 1,864,576.47 E= 1,175,942.80 P.T. STA= 9518+38.12 N= 1,865,271.36 E= 1,175,967.30
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CURVE NBAUX5	P.I. STA= 9520+14.51 N= 1,865,447.69 E= 1,175,962.35 Δ= 5° 06' 31" D= 1° 54' 35" R= 3000.00' T= 133.83' L= 267.48' E= 2.98' e= 2.4 T.R.= 11' (0') S.E. RUN= 66' (0')P.C. STA= 9518+80.68 N= 1,865,313.91 E= 1,175,966.10 P.T. STA= 9521+48.16 N= 1,865,581.27 E= 1,175,970.53
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CURVE BL.WELL-1	P.I. STA= 521+27.16 N= 1,864,522.25 E= 1,175,556.14 Δ= 1° 54' 54" D= 4° 55' 05" R= 1165.00' T= 19.47' L= 38.94' E= 0.16' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 521+07.69 N= 1,864,502.79 E= 1,175,556.68 P.T. STA= 521+46.63 N= 1,864,541.72 E= 1,175,556.25
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CURVE BL.WELL-2	P.I. STA= 528+60.56 N= 1,865,255.64 E= 1,175,560.31 Δ= 1° 57' 29" D= 1° 00' 09" R= 12490.00' T= 387.09' L= 773.94' E= 6.00' e= NC T.R.= N/A S.E. RUN= N/A P.C. STA= 527+62.89 N= 1,865,157.98 E= 1,175,559.75 P.T. STA= 529+58.21 N= 1,865,353.27 E= 1,175,557.53
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CURVE BL.WELL-3	P.I. STA= 536+78.45 N= 1,866,073.22 E= 1,175,537.02 Δ= 10° 22' 17" D= 4° 02' 16" R= 1165.00' T= 128.78' L= 256.86' E= 1.01' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 535+49.67 N= 1,865,944.49 E= 1,175,540.68 P.T. STA= 538+06.53 N= 1,866,200.51 E= 1,175,556.58
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CURVE SBSLIPA01	P.I. STA= 303+11.81 N= 1,865,160.56 E= 1,175,660.40 Δ= 1° 25' 14" D= 0° 26' 11" R= 1419.00' T= 162.74' L= 325.47' E= 0.88' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 301+49.07 N= 1,864,997.88 E= 1,175,664.85 P.C.C. STA= 304+74.54 N= 1,865,323.30 E= 1,175,659.99
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CURVE SBSLIPA02	P.I. STA= 305+66.61 N= 1,865,415.38 E= 1,175,659.75 Δ= 0° 49' 32" D= 0° 26' 54" R= 13128.07' T= 12779.64' L= 92.08' E= 0.88' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 304+74.54 N= 1,865,323.30 E= 1,175,659.99 P.C.C. STA= 306+58.69 N= 1,865,507.45 E= 1,175,660.85 P.T. STA= 309+62.63 N= 1,865,811.30 E= 1,175,667.96
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REVISIONS	
NAME	DATE

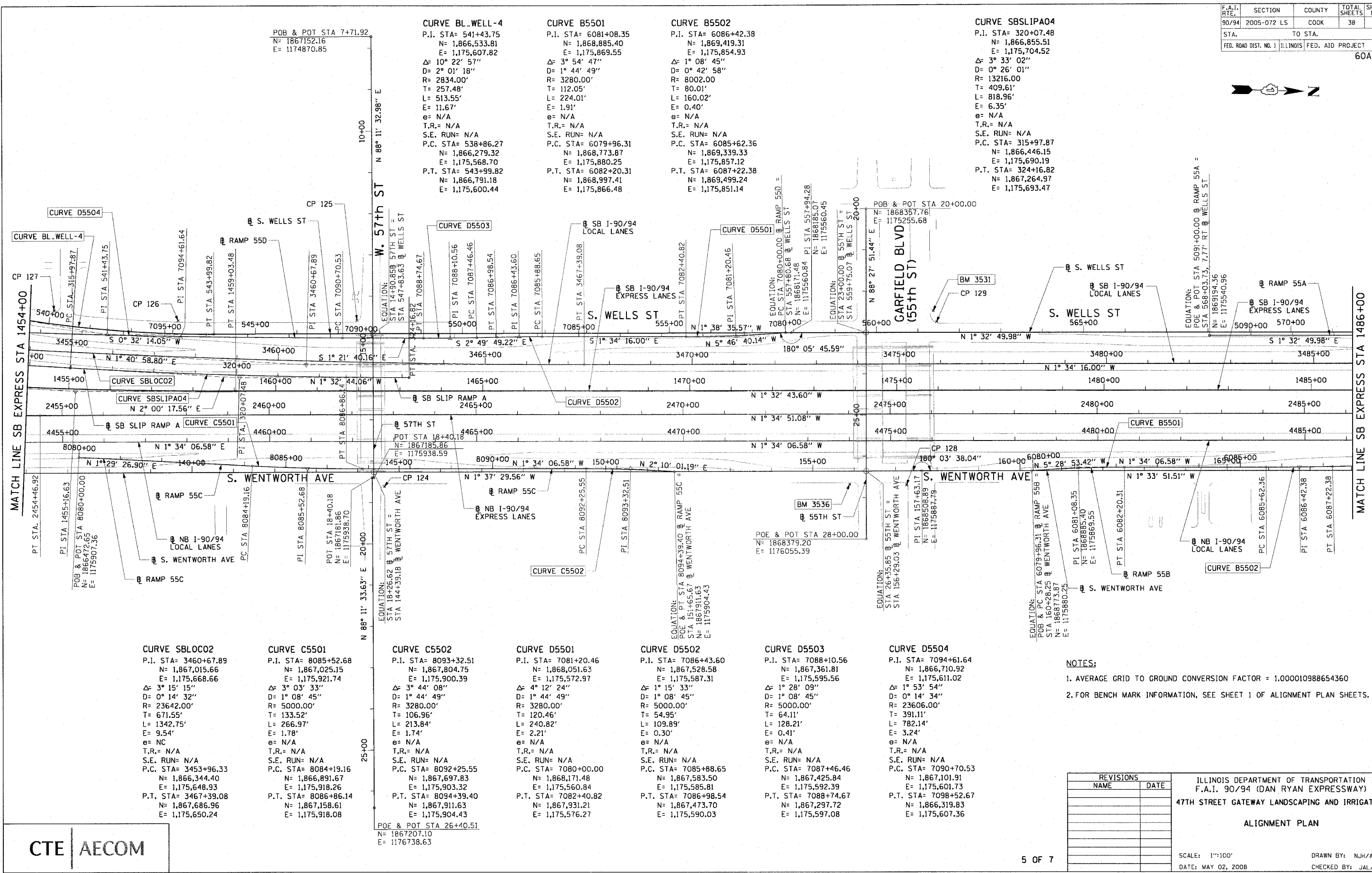
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
47TH STREET GATEWAY LANDSCAPING AND IRRIGATION
ALIGNMENT PLAN
SCALE: 1"=100'
DATE: MAY 02, 2008
DRAWN BY: NJH/AMM
CHECKED BY: JAL/MS



- NOTES:**
- AVERAGE GRID TO GROUND CONVERSION FACTOR = 1.000010988654360
 - FOR BENCH MARK INFORMATION, SEE SHEET 1 OF ALIGNMENT PLAN SHEETS.

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F.A.I. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94 2005-072 LS	COOK	38	8
STA. TO STA.		FED. AID PROJECT	
FED. ROAD DIST. NO. 1 ILLINOIS		60A78	



CURVE SBLOC02
 P.I. STA= 3460+67.89
 N= 1,867,015.66
 E= 1,175,668.66
 Δ= 3° 15' 15"
 D= 0° 14' 32"
 R= 23642.00'
 T= 671.55'
 L= 1342.75'
 E= 9.54'
 e= NC
 T.R.= N/A
 S.E. RUN= N/A
 P.C. STA= 3453+96.33
 N= 1,866,344.40
 E= 1,175,648.93
 P.T. STA= 3467+39.08
 N= 1,867,686.96
 E= 1,175,650.24

CURVE C5501
 P.I. STA= 8085+52.68
 N= 1,867,025.15
 E= 1,175,921.74
 Δ= 3° 03' 33"
 D= 1° 08' 45"
 R= 5000.00'
 T= 133.52'
 L= 266.97'
 E= 1.78'
 e= N/A
 T.R.= N/A
 S.E. RUN= N/A
 P.C. STA= 8084+19.16
 N= 1,866,891.67
 E= 1,175,918.26
 P.T. STA= 8086+86.14
 N= 1,867,158.61
 E= 1,175,918.08

CURVE C5502
 P.I. STA= 8093+32.51
 N= 1,867,804.75
 E= 1,175,900.39
 Δ= 3° 44' 08"
 D= 1° 44' 49"
 R= 3280.00'
 T= 106.96'
 L= 213.84'
 E= 1.74'
 e= N/A
 T.R.= N/A
 S.E. RUN= N/A
 P.C. STA= 8092+25.55
 N= 1,867,697.83
 E= 1,175,903.32
 P.T. STA= 8094+39.40
 N= 1,867,911.63
 E= 1,175,904.43

CURVE D5501
 P.I. STA= 7081+20.46
 N= 1,868,051.63
 E= 1,175,572.97
 Δ= 4° 12' 24"
 D= 1° 44' 49"
 R= 3280.00'
 T= 120.46'
 L= 240.82'
 E= 2.21'
 e= N/A
 T.R.= N/A
 S.E. RUN= N/A
 P.C. STA= 7080+00.00
 N= 1,868,171.48
 E= 1,175,560.84
 P.T. STA= 7082+40.82
 N= 1,867,931.21
 E= 1,175,576.27

CURVE D5502
 P.I. STA= 7086+43.60
 N= 1,867,528.58
 E= 1,175,587.31
 Δ= 1° 15' 33"
 D= 1° 08' 45"
 R= 5000.00'
 T= 54.95'
 L= 109.89'
 E= 0.30'
 e= N/A
 T.R.= N/A
 S.E. RUN= N/A
 P.C. STA= 7085+88.65
 N= 1,867,583.50
 E= 1,175,585.81
 P.T. STA= 7088+74.67
 N= 1,867,473.70
 E= 1,175,590.03

CURVE D5503
 P.I. STA= 7088+10.56
 N= 1,867,361.81
 E= 1,175,595.56
 Δ= 1° 28' 09"
 D= 1° 08' 45"
 R= 5000.00'
 T= 64.11'
 L= 128.21'
 E= 0.41'
 e= N/A
 T.R.= N/A
 S.E. RUN= N/A
 P.C. STA= 7087+46.46
 N= 1,867,425.84
 E= 1,175,592.39
 P.T. STA= 7088+74.67
 N= 1,867,297.72
 E= 1,175,597.08

CURVE D5504
 P.I. STA= 7094+61.64
 N= 1,866,710.92
 E= 1,175,611.02
 Δ= 1° 53' 54"
 D= 0° 14' 34"
 R= 23606.00'
 T= 391.11'
 L= 782.14'
 E= 3.24'
 e= N/A
 T.R.= N/A
 S.E. RUN= N/A
 P.C. STA= 7090+70.53
 N= 1,867,101.91
 E= 1,175,601.73
 P.T. STA= 7098+52.67
 N= 1,866,319.83
 E= 1,175,607.36

- NOTES:**
- AVERAGE GRID TO GROUND CONVERSION FACTOR = 1.000010988654360
 - FOR BENCH MARK INFORMATION, SEE SHEET 1 OF ALIGNMENT PLAN SHEETS.

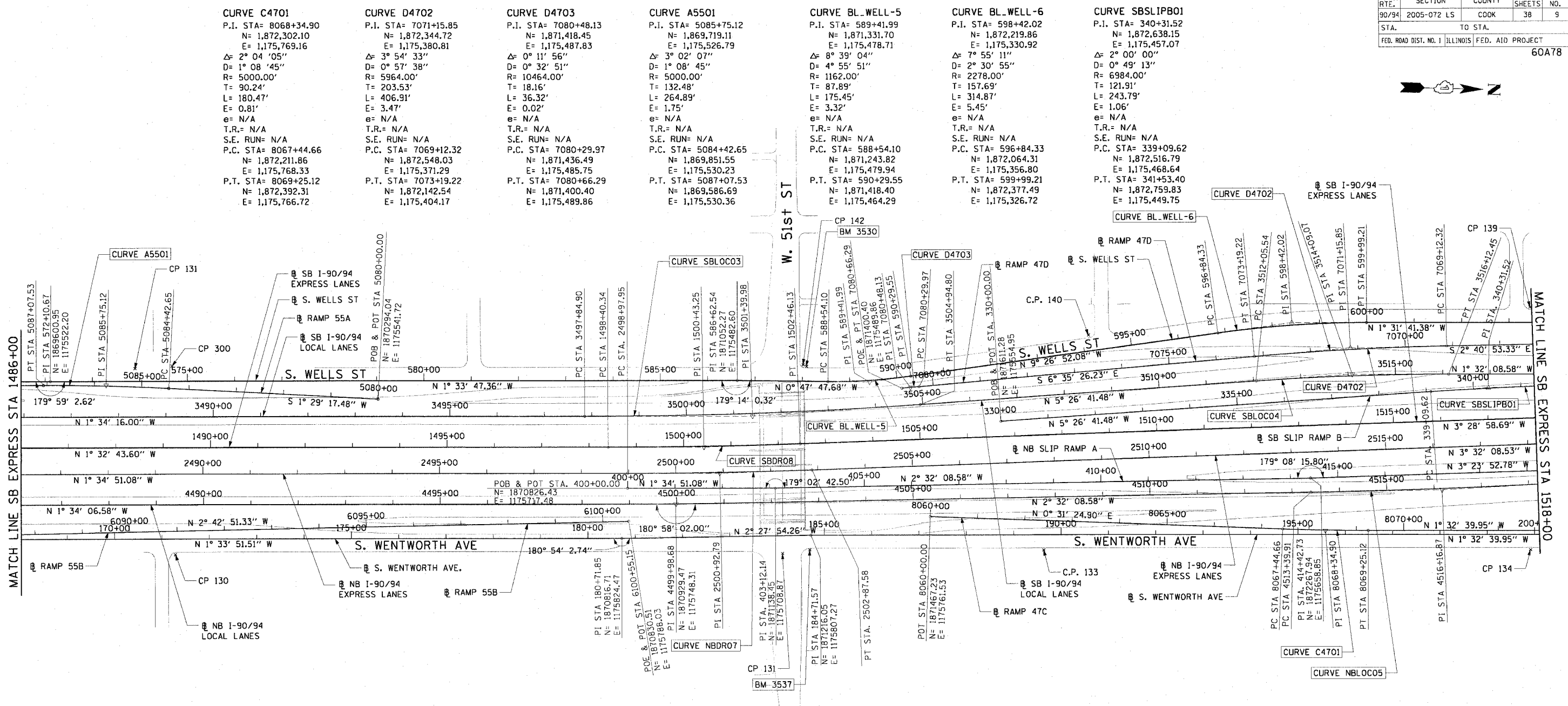
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 47TH STREET GATEWAY LANDSCAPING AND IRRIGATION
 ALIGNMENT PLAN
 SCALE: 1"=100'
 DATE: MAY 02, 2008
 DRAWN BY: NJH/AMM
 CHECKED BY: JAL/MS



05/07/2008 04:09:32 PM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-072 LS	COOK	38	9
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
60A78				



CURVE C4701 P.I. STA= 8068+34.90 N= 1,872,302.10 E= 1,175,769.16 Δ= 2° 04' 05" D= 1° 08' 45" R= 5000.00' T= 90.24' L= 180.47' E= 0.81' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 8067+44.66 N= 1,872,211.86 E= 1,175,768.33 P.T. STA= 8069+25.12 N= 1,872,392.31 E= 1,175,766.72	CURVE D4702 P.I. STA= 7071+15.85 N= 1,872,344.72 E= 1,175,380.81 Δ= 3° 54' 33" D= 0° 57' 38" R= 5964.00' T= 203.53' L= 406.91' E= 3.47' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 7069+12.32 N= 1,872,548.03 E= 1,175,371.29 P.T. STA= 7073+19.22 N= 1,872,142.54 E= 1,175,404.17	CURVE D4703 P.I. STA= 7080+48.13 N= 1,871,418.45 E= 1,175,487.83 Δ= 0° 11' 56" D= 0° 32' 51" R= 10464.00' T= 18.16' L= 36.32' E= 0.02' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 7080+29.97 N= 1,871,436.49 E= 1,175,485.75 P.T. STA= 7080+66.29 N= 1,871,400.40 E= 1,175,489.86	CURVE A5501 P.I. STA= 5085+75.12 N= 1,869,719.11 E= 1,175,526.79 Δ= 3° 02' 07" D= 1° 08' 45" R= 5000.00' T= 132.48' L= 264.89' E= 1.75' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 5084+42.65 N= 1,869,851.55 E= 1,175,530.23 P.T. STA= 5087+07.53 N= 1,869,586.69 E= 1,175,530.36	CURVE BL_WELL-5 P.I. STA= 589+41.99 N= 1,871,331.70 E= 1,175,478.71 Δ= 8° 39' 04" D= 4° 55' 51" R= 1162.00' T= 87.89' L= 175.45' E= 3.32' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 588+54.10 N= 1,871,243.82 E= 1,175,479.94 P.T. STA= 590+29.55 N= 1,871,418.40 E= 1,175,464.29	CURVE BL_WELL-6 P.I. STA= 598+42.02 N= 1,872,219.86 E= 1,175,330.92 Δ= 7° 55' 11" D= 2° 30' 55" R= 2278.00' T= 157.69' L= 314.87' E= 5.45' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 596+84.33 N= 1,872,064.31 E= 1,175,356.80 P.T. STA= 599+99.21 N= 1,872,377.49 E= 1,175,326.72	CURVE SB SLIPBO1 P.I. STA= 340+31.52 N= 1,872,638.15 E= 1,175,457.07 Δ= 2° 00' 00" D= 0° 49' 13" R= 6984.00' T= 121.91' L= 243.79' E= 1.06' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 339+09.62 N= 1,872,516.79 E= 1,175,468.64 P.T. STA= 341+53.40 N= 1,872,759.83 E= 1,175,449.75
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CURVE SBLOC03 P.I. STA= 3501+39.80 N= 1,871,086.59 E= 1,175,557.00 Δ= 3° 52' 25" D= 0° 32' 44" R= 10500.00' T= 355.09' L= 709.90' E= 6.00' e= RC T.R.= 96' (96') S.E. RUN= 62' (62') P.C. STA= 3497+84.90 N= 1,870,731.64 E= 1,175,566.73 P.T. STA= 3504+94.80 N= 1,871,440.08 E= 1,175,523.31	CURVE SBLOC04 P.I. STA= 3514+09.07 N= 1,872,350.23 E= 1,175,436.55 Δ= 3° 54' 33" D= 0° 57' 39" R= 5964.00' T= 203.53' L= 406.91' E= 3.47' e= 2.8% T.R.= 41' (41') S.E. RUN= 115' (115') P.C. STA= 3512+05.54 N= 1,872,147.61 E= 1,175,455.86 P.T. STA= 3516+12.45 N= 1,872,553.69 E= 1,175,431.10	CURVE SBDR08 P.I. STA= 1500+43.25 N= 1,870,985.63 E= 1,175,625.10 Δ= 1° 56' 15" D= 0° 28' 39" R= 12000.00' T= 202.92' L= 405.79' E= 1.72' e= NC T.R.= N/A S.E. RUN= N/A P.C. STA= 1498+40.34 N= 1,870,782.79 E= 1,175,630.57 P.T. STA= 1502+46.13 N= 1,871,188.17 E= 1,175,612.77	CURVE NBDRO7 P.I. STA= 2500+92.79 N= 1,871,020.31 E= 1,175,680.12 Δ= 1° 57' 17" D= 0° 30' 06" R= 11420.00' T= 194.84' L= 389.63' E= 1.66' e= NC T.R.= N/A S.E. RUN= N/A P.C. STA= 2498+97.95 N= 1,870,825.55 E= 1,175,685.50 P.T. STA= 2502+87.58 N= 1,871,214.78 E= 1,175,668.10	CURVE NBLOC05 P.I. STA= 4516+16.87 N= 1,872,546.08 E= 1,175,676.71 Δ= 2° 26' 28" D= 0° 26' 27" R= 13000.00' T= 276.96' L= 553.84' E= 2.95' e= NC T.R.= N/A S.E. RUN= N/A P.C. STA= 4513+39.91 N= 1,872,269.39 E= 1,175,688.97 P.T. STA= 4518+93.75 N= 1,872,822.00 E= 1,175,652.69
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NOTES:

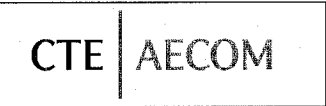
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- FOR BENCH MARK INFORMATION, SEE SHEET 1 OF ALIGNMENT PLAN SHEETS.

REVISIONS	
NAME	DATE

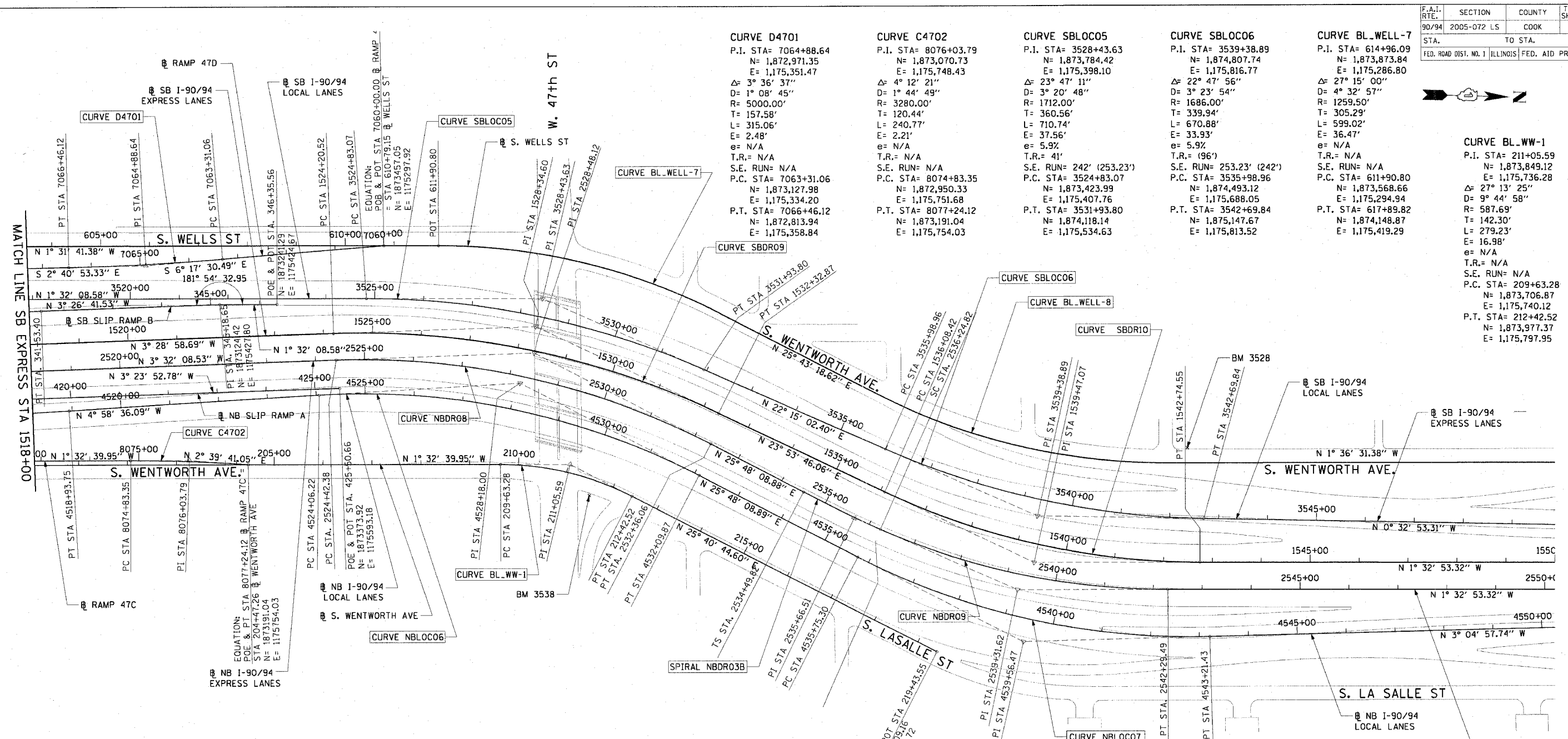
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 47TH STREET GATEWAY LANDSCAPING AND IRRIGATION
 ALIGNMENT PLAN

SCALE: 1"=100'
 DATE: MAY 02, 2008

DRAWN BY: NJH/AMM
 CHECKED BY: JAL/MS



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 05/01/2008 04:09:53 PM



CURVE D4701	CURVE C4702	CURVE SBLOC05	CURVE SBLOC06	CURVE BL_WELL-7
P.I. STA= 7064+88.64 N= 1,872,971.35 E= 1,175,351.47 Δ= 3° 36' 37" D= 1° 08' 45" R= 5000.00' T= 157.58' L= 315.06' E= 2.48' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 7063+31.06 N= 1,873,127.98 E= 1,175,334.20 P.T. STA= 7066+46.12 N= 1,872,813.94 E= 1,175,358.84	P.I. STA= 8076+03.79 N= 1,873,070.73 E= 1,175,748.43 Δ= 4° 12' 21" D= 1° 44' 49" R= 3280.00' T= 120.44' L= 240.77' E= 2.21' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 8074+83.35 N= 1,872,950.33 E= 1,175,751.68 P.T. STA= 8077+24.12 N= 1,873,191.04 E= 1,175,754.03	P.I. STA= 3528+43.63 N= 1,873,784.42 E= 1,175,398.10 Δ= 23° 47' 11" D= 3° 23' 54" R= 1686.00' T= 1712.00' L= 710.74' E= 37.56' e= 5.9% T.R.= 41' S.E. RUN= 242' (253.23') P.C. STA= 3524+83.07 N= 1,873,423.99 E= 1,175,407.76 P.T. STA= 3531+93.80 N= 1,874,118.14 E= 1,175,534.63	P.I. STA= 3539+38.89 N= 1,874,807.74 E= 1,175,816.77 Δ= 22° 47' 56" D= 3° 23' 54" R= 1686.00' T= 339.94' L= 670.88' E= 33.93' e= 5.9% T.R.= (96') S.E. RUN= 253.23' (242') P.C. STA= 3535+98.96 N= 1,874,493.12 E= 1,175,688.05 P.T. STA= 3542+69.84 N= 1,875,147.67 E= 1,175,813.52	P.I. STA= 614+96.09 N= 1,873,873.84 E= 1,175,286.80 Δ= 27° 15' 00" D= 4° 32' 57" R= 1259.50' T= 305.29' L= 599.02' E= 36.47' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 611+90.80 N= 1,873,568.66 E= 1,175,294.94 P.T. STA= 617+89.82 N= 1,874,148.87 E= 1,175,419.29

CURVE SBDR09	CURVE SBDR10	CURVE NBLOC06	CURVE NBLOC07	CURVE NBDR08	SPIRAL NBDR03B	CURVE NBDR09	CURVE BL_WELL-8
P.I. STA= 1528+34.60 N= 1,873,771.86 E= 1,175,455.52 Δ= 27° 22' 45" D= 3° 22' 13" R= 1700.00' T= 414.09' L= 812.35' E= 49.71' e= 5.9% T.R.= 41' S.E. RUN= 242' (277.96') P.C. STA= 1524+20.52 N= 1,873,358.54 E= 1,175,480.67 P.T. STA= 1532+32.87 N= 1,874,150.45 E= 1,175,623.26	P.I. STA= 1539+47.07 N= 1,874,803.43 E= 1,175,912.56 Δ= 25° 26' 39" D= 3° 49' 11" R= 1500.00' T= 338.65' L= 666.13' E= 37.75' e= 6.0% T.R.= (96') S.E. RUN= (282.56') 246' P.C. STA= 1536+08.42 N= 1,874,493.81 E= 1,175,775.38 P.T. STA= 1542+74.55 N= 1,875,141.96 E= 1,175,903.41	P.I. STA= 4528+18.00 N= 1,873,742.76 E= 1,175,572.51 Δ= 30° 46' 45" D= 3° 49' 48" R= 1496.00' T= 411.77' L= 803.65' E= 55.64' e= 6.0% T.R.= 96' (96') S.E. RUN= 246' (272.71') P.C. STA= 4524+06.22 N= 1,874,433.81 E= 1,175,608.23 P.T. STA= 4532+09.87 N= 1,874,113.48 E= 1,175,751.74	P.I. STA= 4539+56.47 N= 1,874,785.65 E= 1,176,076.72 Δ= 28° 53' 07" D= 3° 52' 17" R= 1480.00' T= 381.17' L= 746.13' E= 48.30' e= 6.0% T.R.= 41' (41') S.E. RUN= (272.71') 246' P.C. STA= 4535+75.30 N= 1,874,442.48 E= 1,175,910.80 P.T. STA= 4543+21.43 N= 1,875,166.27 E= 1,176,056.22	P.I. STA= 2528+48.12 N= 1,873,770.44 E= 1,175,510.19 Δ= 29° 20' 17" D= 3° 41' 47" R= 1550.00' T= 405.74' L= 793.67' E= 52.23' e= 6.0% T.R.= 96' (96') S.E. RUN= 246' (267.20') P.C. STA= 2524+42.38 N= 1,873,365.47 E= 1,175,535.22 P.T. STA= 2532+36.06 N= 1,874,135.73 E= 1,175,686.80	P.I. STA= 2535+66.51 N= 1,874,433.24 E= 1,175,830.64 Δ= 3° 27' 27" LS= 175.00' YS= 3.52' XS= 174.94' P= 0.88' K= 87.49' LT= 116.69' ST= 58.35' LC= 174.97' T.S. STA= 2534+49.82 N= 1,874,328.19 E= 1,175,779.85 S.C. STA= 2536+24.82 N= 1,874,487.21 E= 1,175,852.82	P.I. STA= 2539+31.62 N= 1,874,770.97 E= 1,175,969.46 Δ= 23° 53' 35" D= 3° 57' 05" R= 1450.00' T= 306.79' L= 604.67' E= 32.10' e= 6.0% T.R.= 41' S.E. RUN= 246' P.C. STA= 2536+24.82 N= 1,874,487.21 E= 1,175,852.82 P.T. STA= 2542+29.49 N= 1,875,077.65 E= 1,175,961.17	P.I. STA= 624+60.62 N= 1,874,753.20 E= 1,175,710.42 Δ= 27° 19' 50" D= 4° 27' 01" R= 1287.50' T= 313.03' L= 614.15' E= 37.51' e= N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 621+47.59 N= 1,874,471.18 E= 1,175,574.56 P.T. STA= 627+61.73 N= 1,875,066.11 E= 1,175,701.63

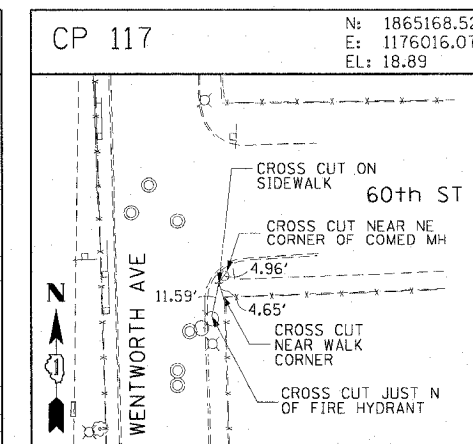
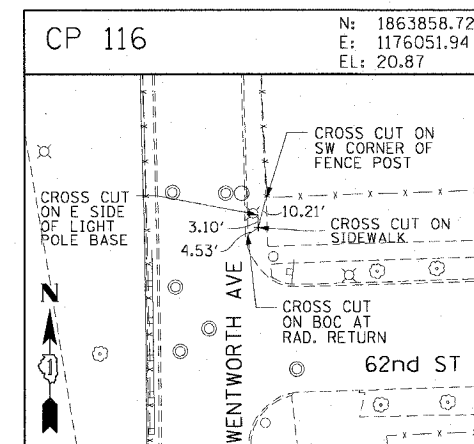
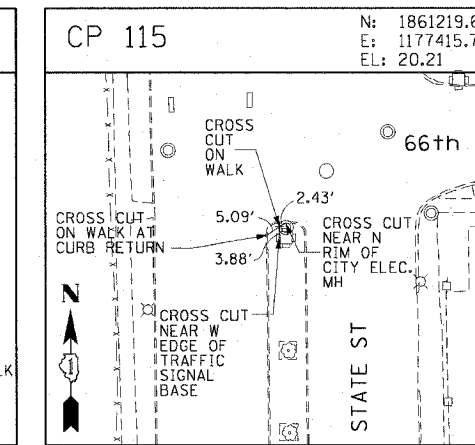
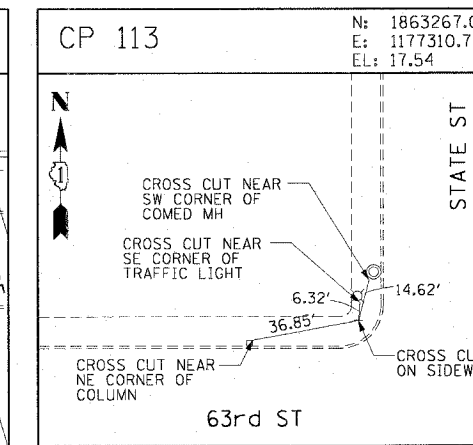
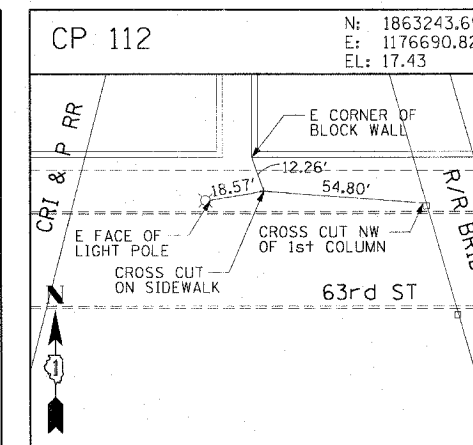
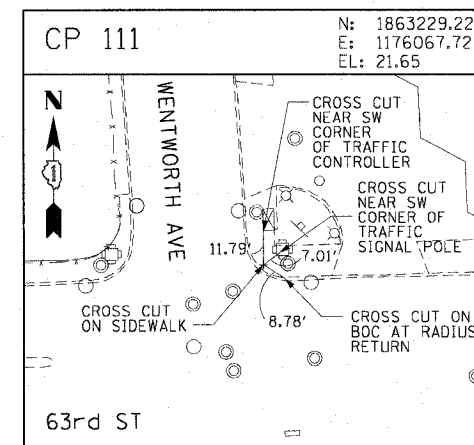
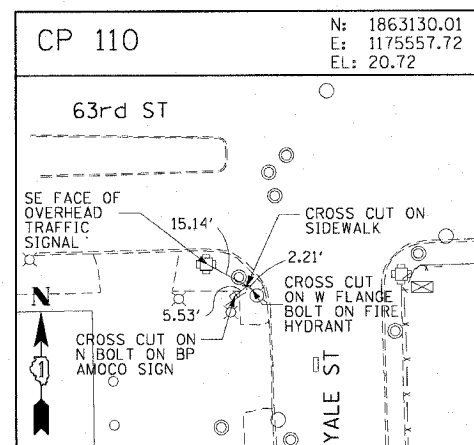
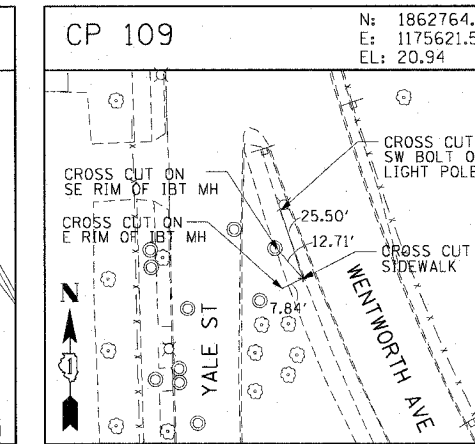
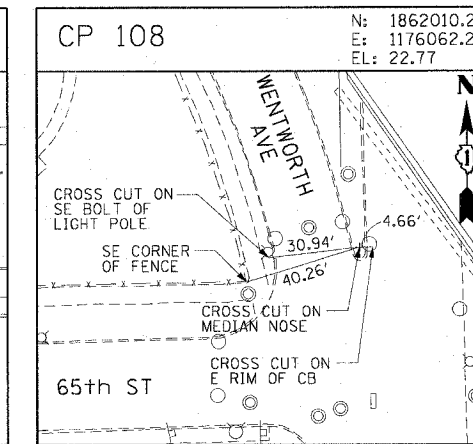
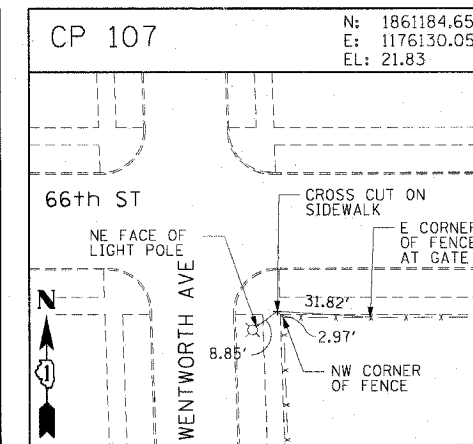
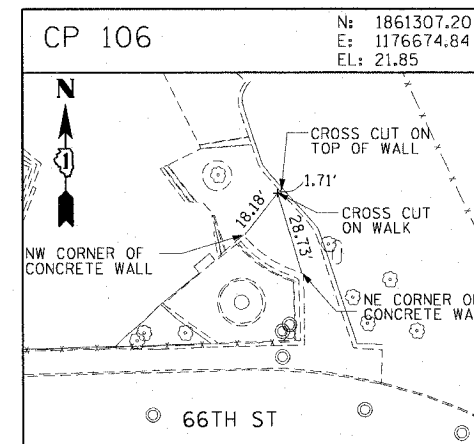
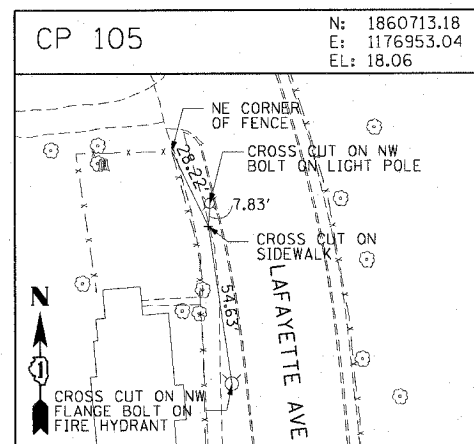
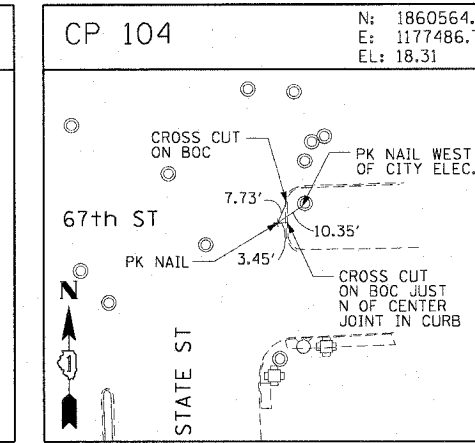
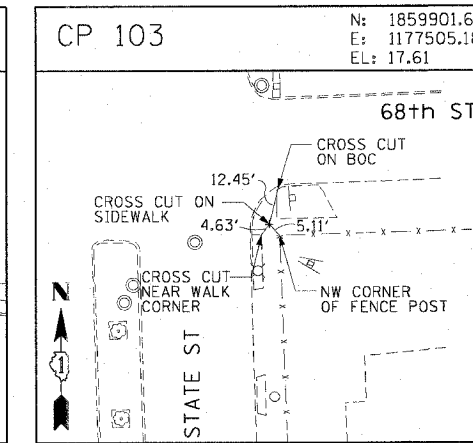
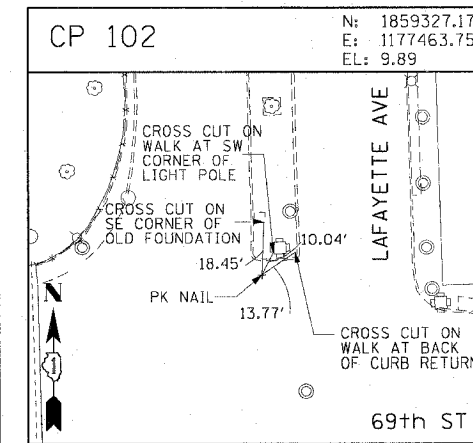
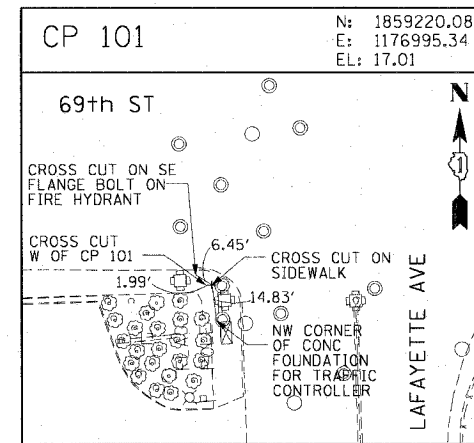
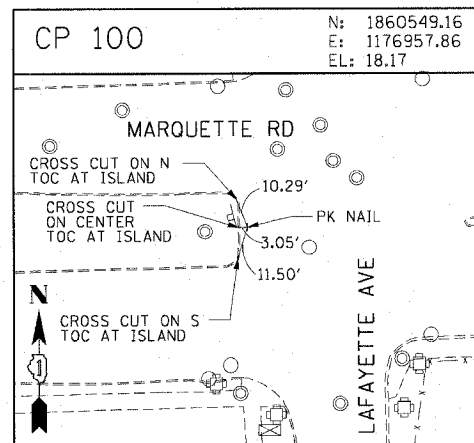
NOTES:
1. AVERAGE GRID TO GROUND CONVERSION FACTOR = 1.000010988654360
2. FOR BENCH MARK INFORMATION, SEE SHEET 1 OF ALIGNMENT PLAN SHEETS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
47TH STREET GATEWAY LANDSCAPING AND IRRIGATION
ALIGNMENT PLAN
SCALE: 1"=100'
DATE: MAY 02, 2008
DRAWN BY: NJH/AMM
CHECKED BY: JAL/MS

04609-33 PM 05/01/2008

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-072 LS	COOK	38	11
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
60A78				



CTE | AECOM

REVISIONS	
NAME	DATE

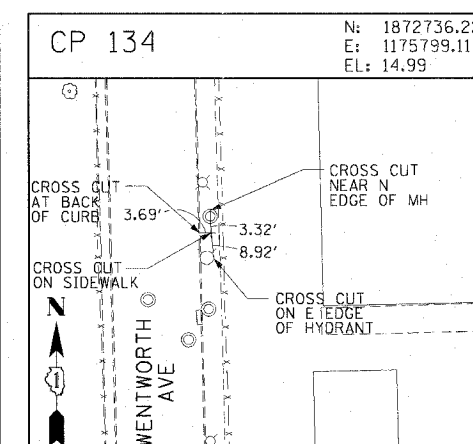
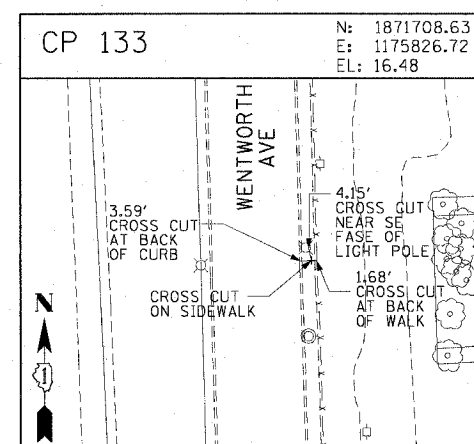
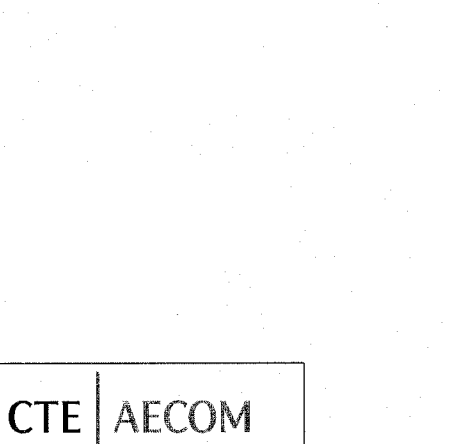
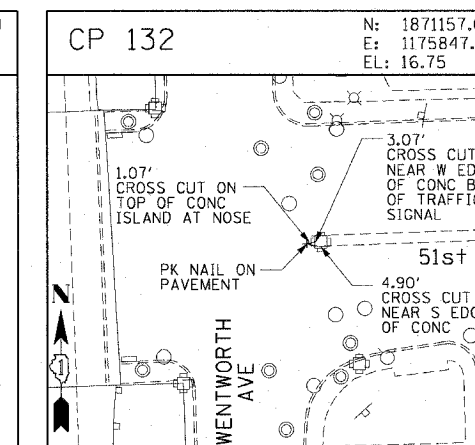
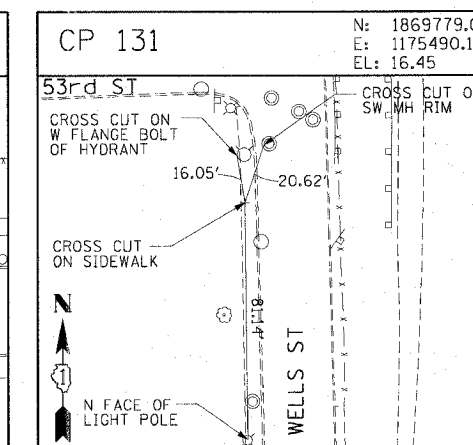
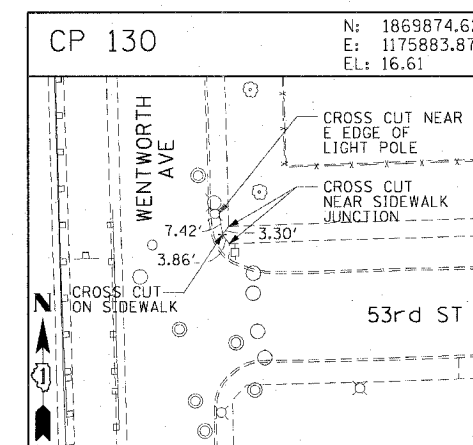
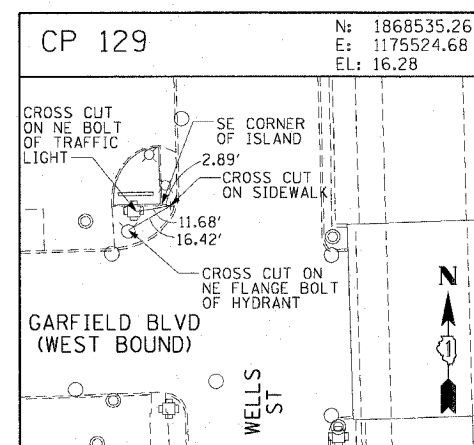
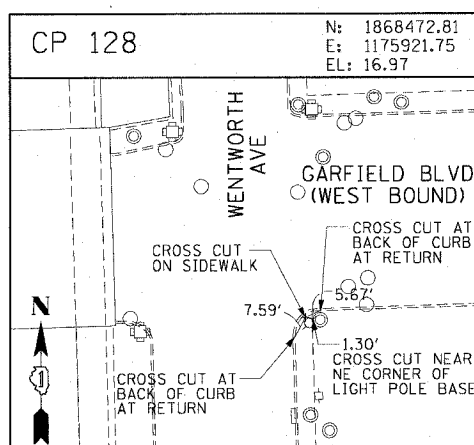
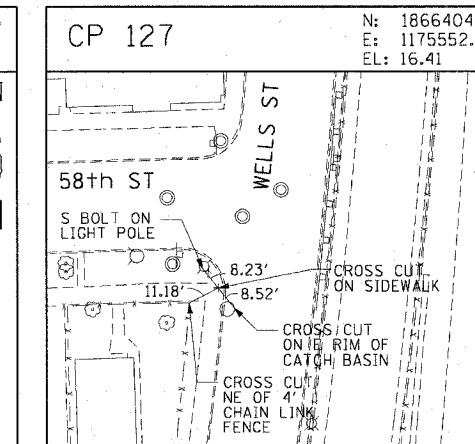
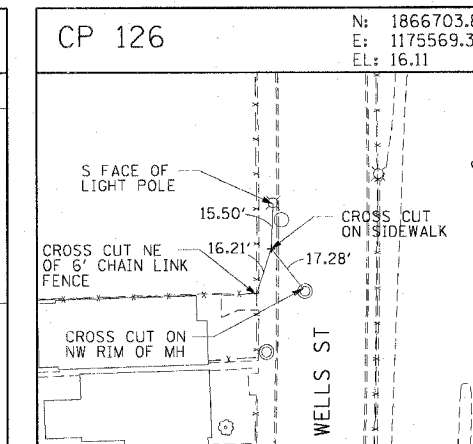
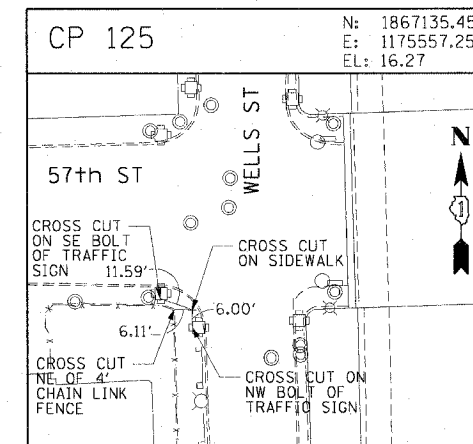
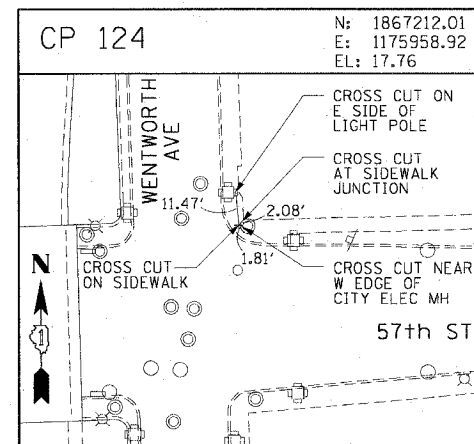
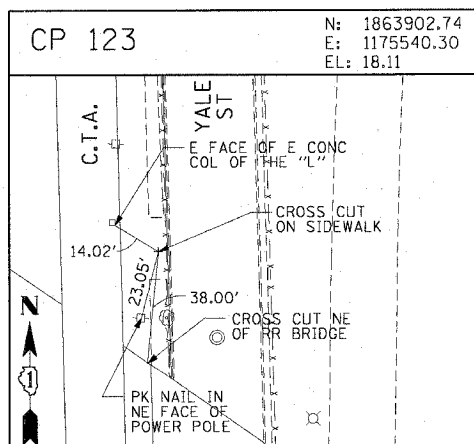
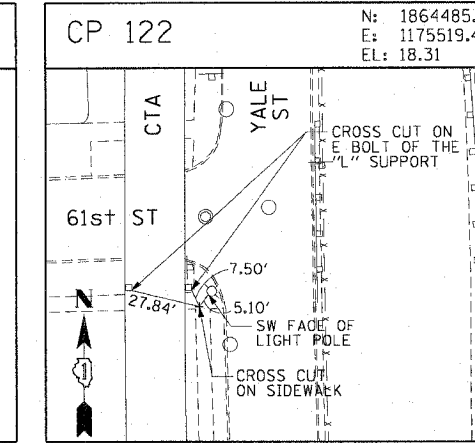
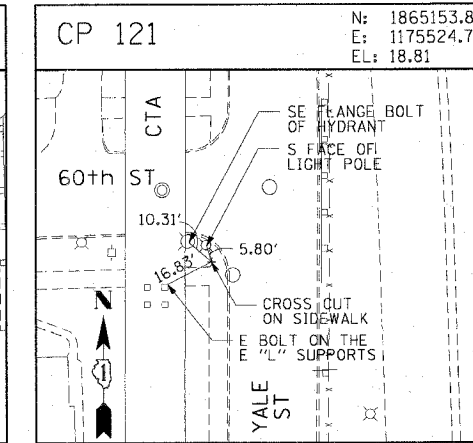
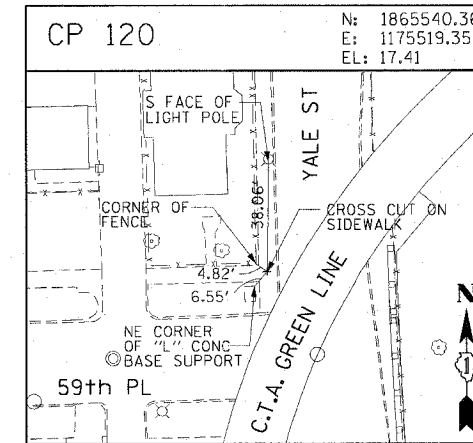
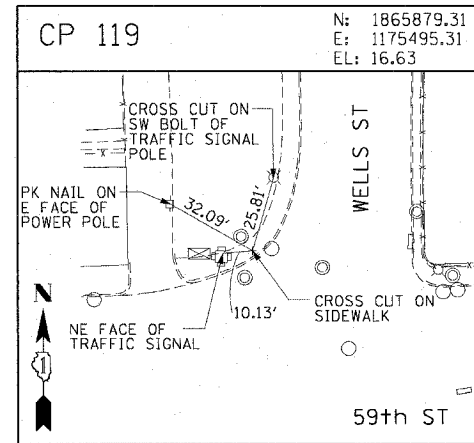
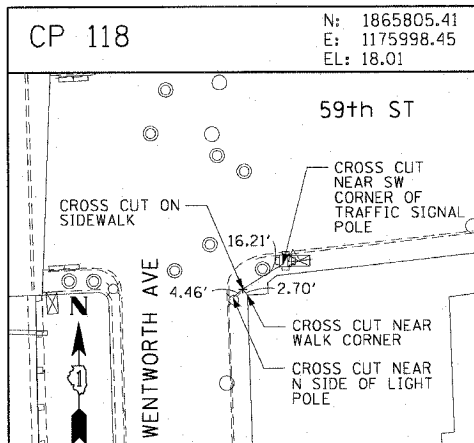
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
47TH STREET GATEWAY LANDSCAPING AND IRRIGATION
SURVEY TIES AND CONTROL POINTS

SCALE: 1"=30'
DATE: MAY 02, 2008

DRAWN BY: MRK
CHECKED BY: JAL

05/01/2008 04:09:34 PM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-072 LS	COOK	38	12
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
60A78				



CTE | AECOM

REVISIONS	
NAME	DATE

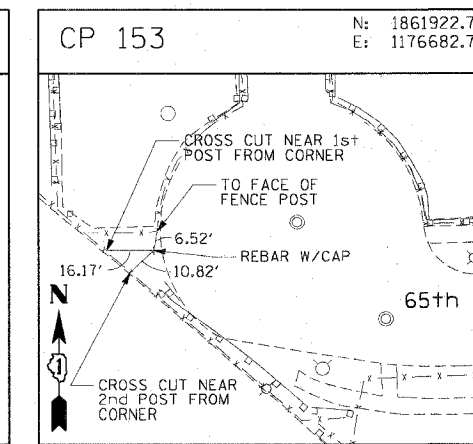
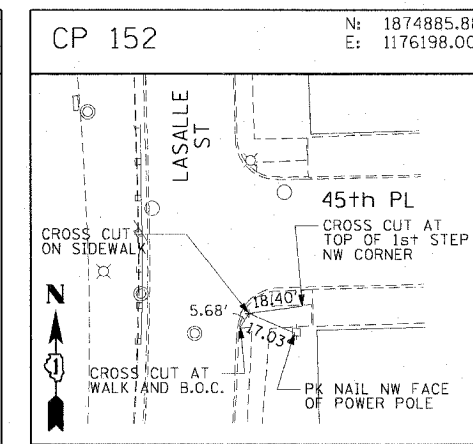
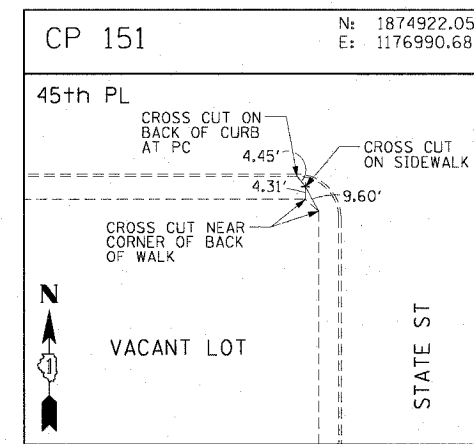
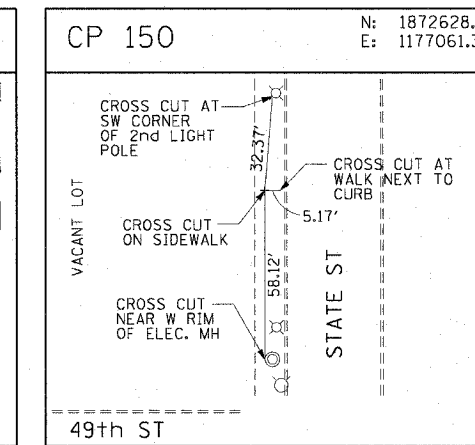
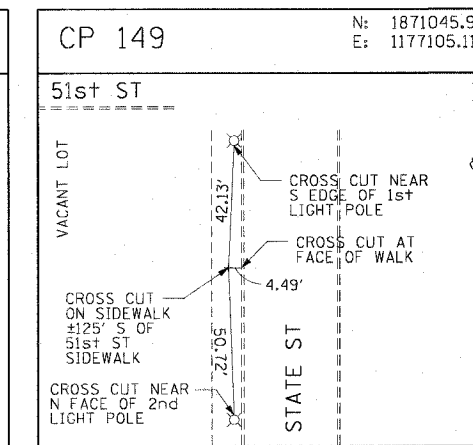
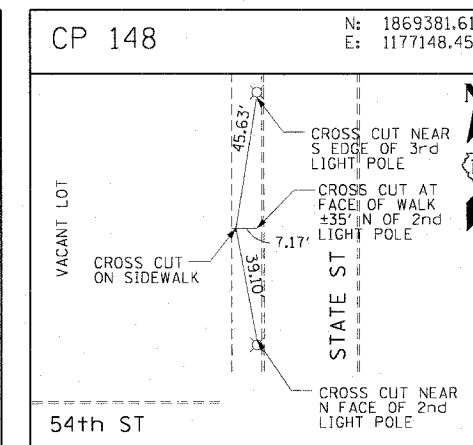
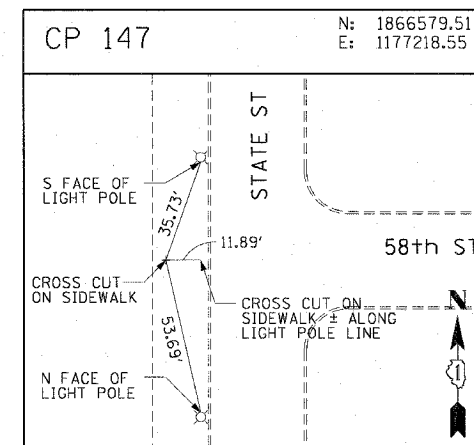
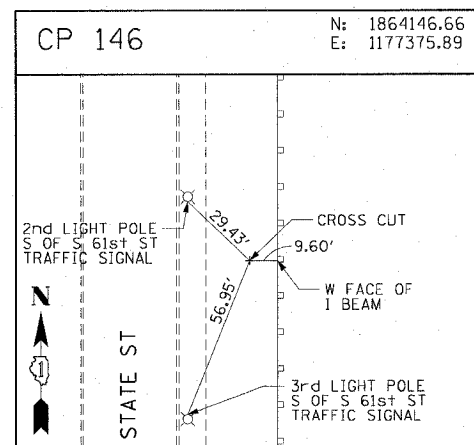
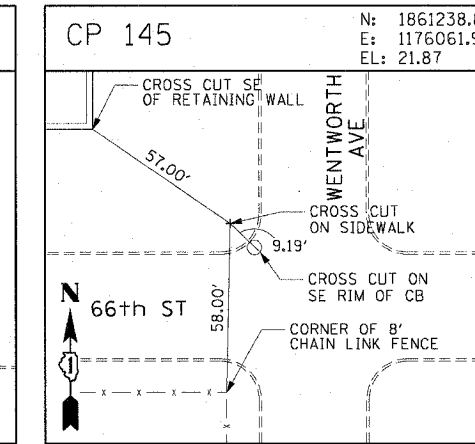
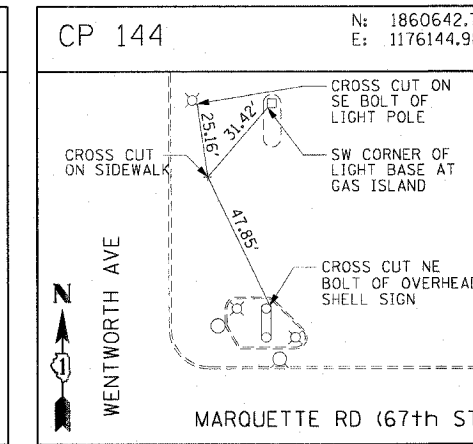
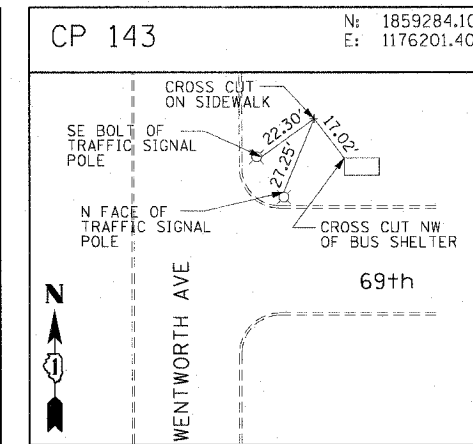
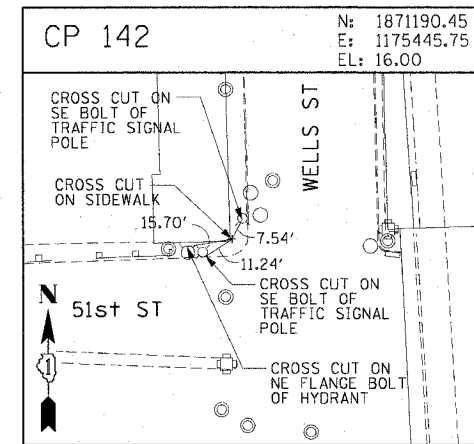
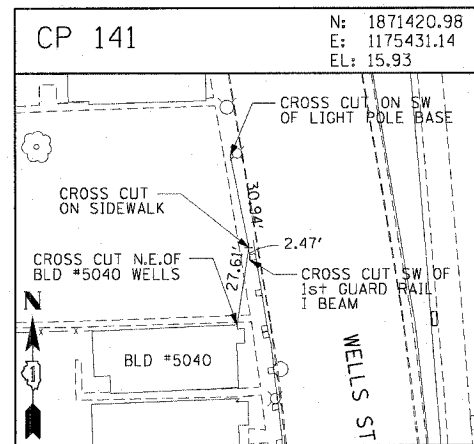
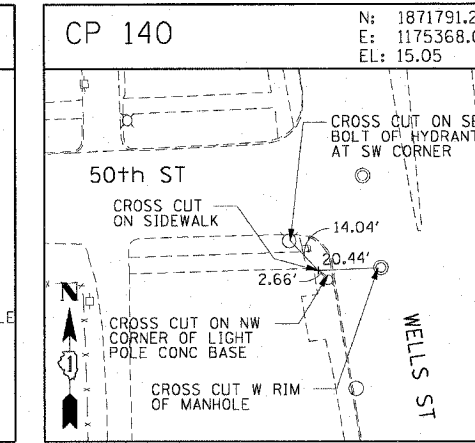
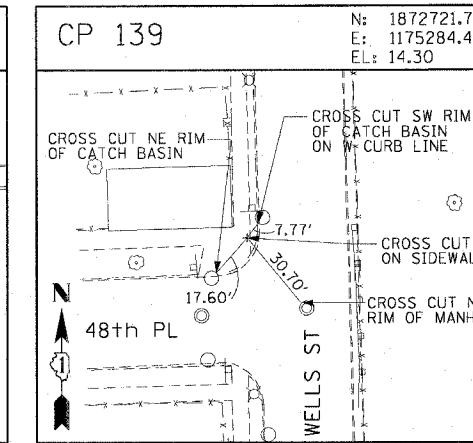
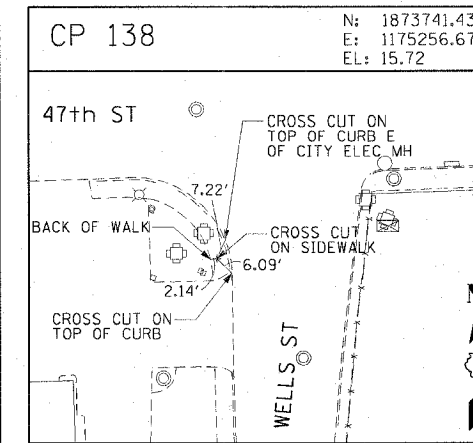
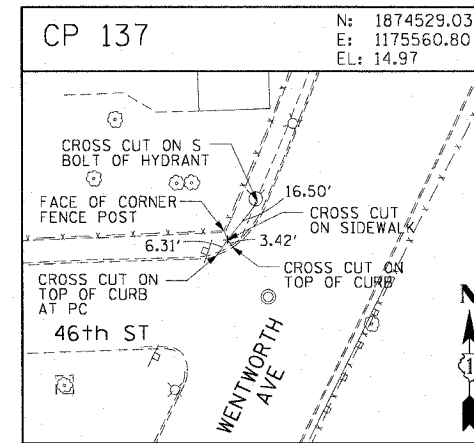
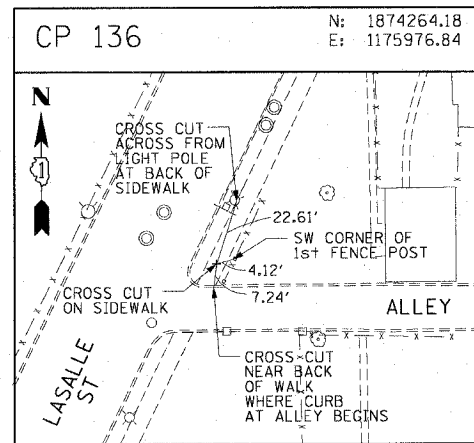
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 47TH STREET GATEWAY LANDSCAPING AND IRRIGATION
 SURVEY TIES AND CONTROL POINTS

SCALE: 1"=30'
 DATE: MAY 02, 2008

DRAWN BY: MRK
 CHECKED BY: JAL

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-072 LS	COOK	38	13
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
60A78				



CTE | AECOM

REVISIONS	
NAME	DATE

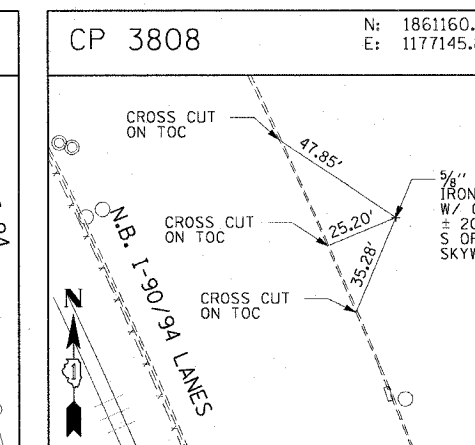
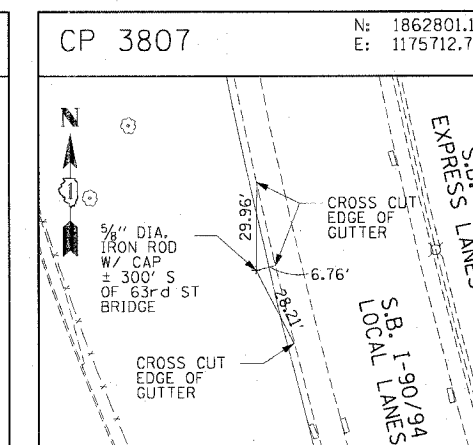
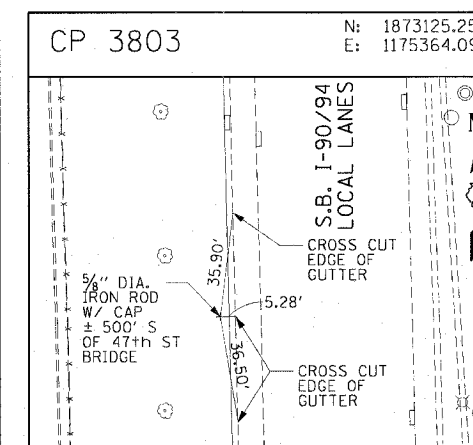
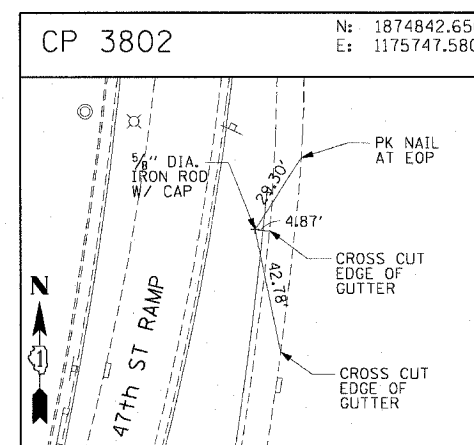
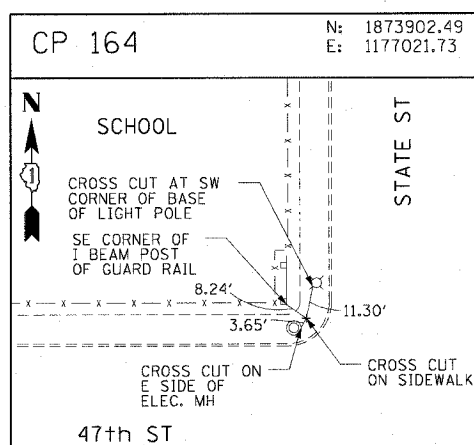
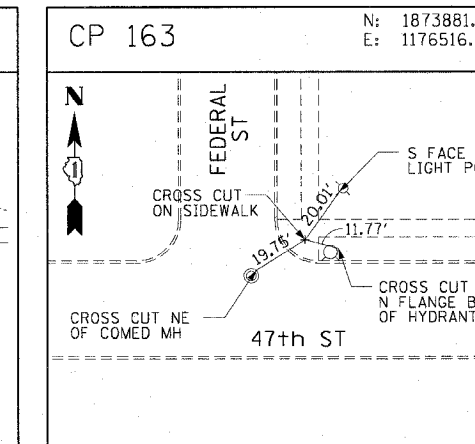
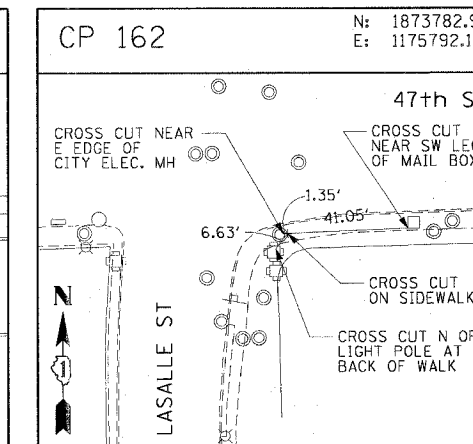
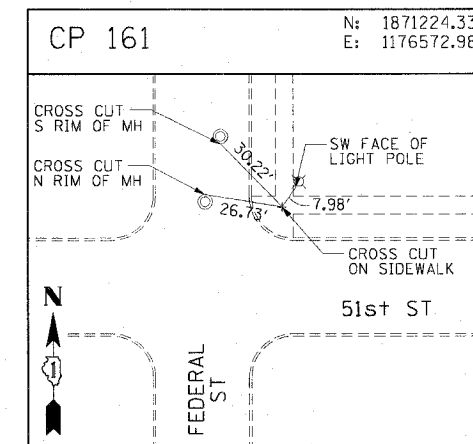
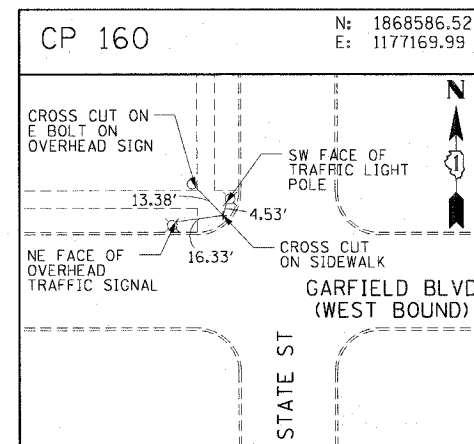
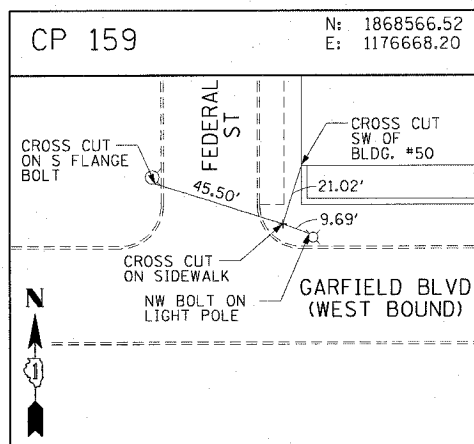
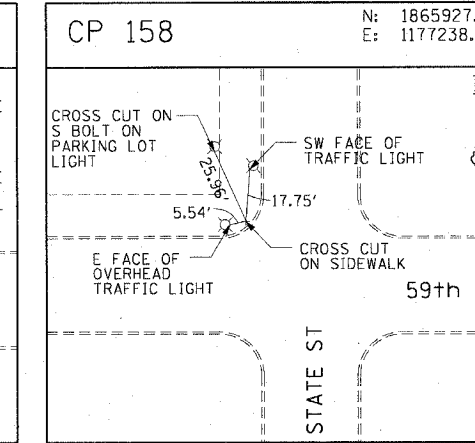
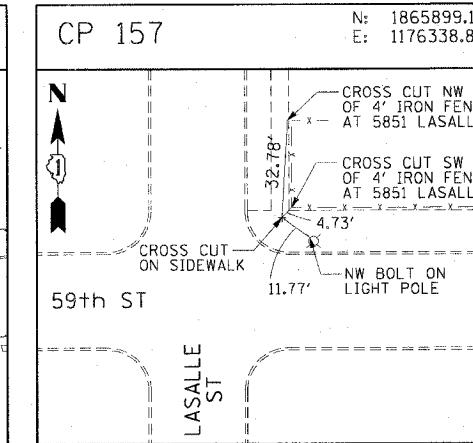
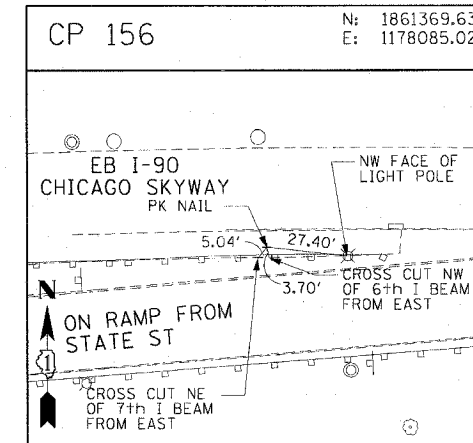
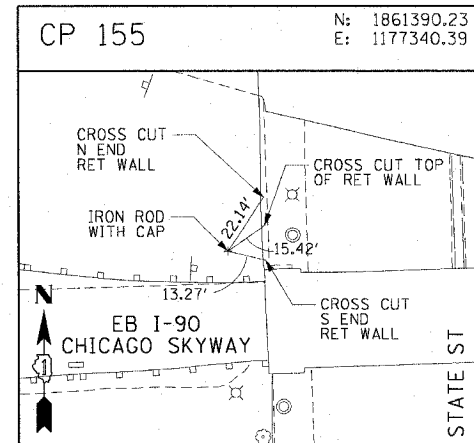
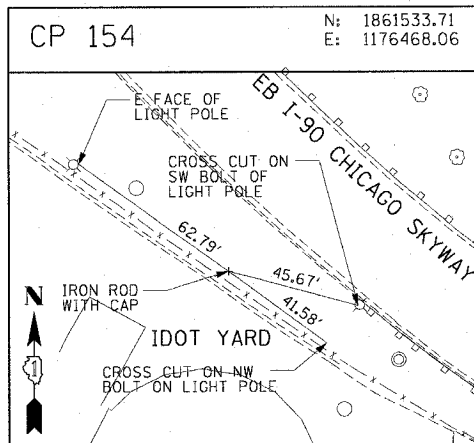
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
47TH STREET GATEWAY LANDSCAPING AND IRRIGATION
SURVEY TIES AND CONTROL POINTS

SCALE: 1"=30'
DATE: MAY 02, 2008

DRAWN BY: MRK
CHECKED BY: JAL

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-072 LS	COOK	38	14
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
60A78				



CTE | AECOM

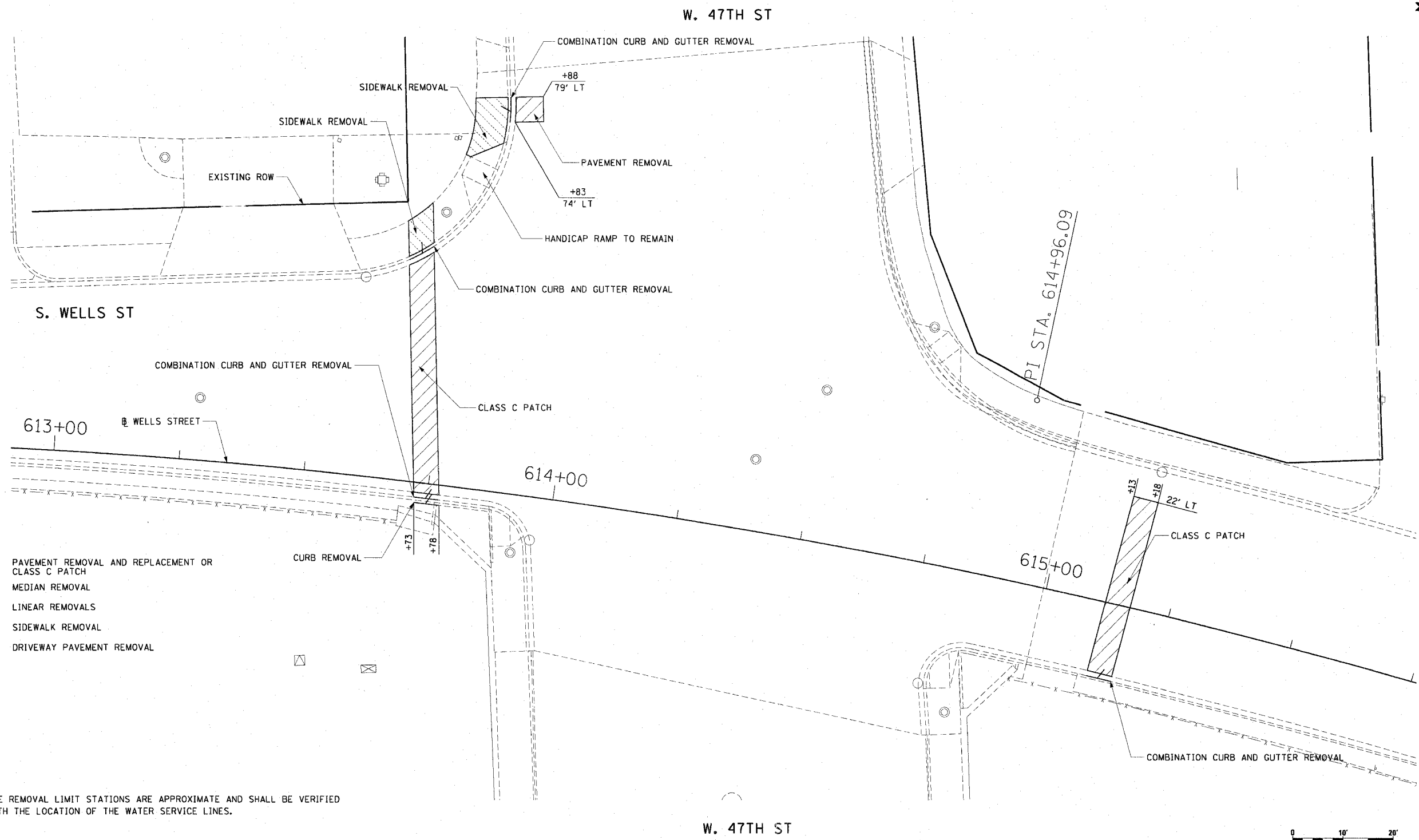
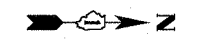
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 47TH STREET GATEWAY LANDSCAPING AND IRRIGATION
 SURVEY TIES AND CONTROL POINTS
 SCALE: 1"=30'
 DATE: MAY 02, 2008
 DRAWN BY: MRK
 CHECKED BY: JAL

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

60A78



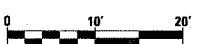
LEGEND:

	PAVEMENT REMOVAL AND REPLACEMENT OR CLASS C PATCH
	MEDIAN REMOVAL
	LINEAR REMOVALS
	SIDEWALK REMOVAL
	DRIVEWAY PAVEMENT REMOVAL

- NOTES:
1. THE REMOVAL LIMIT STATIONS ARE APPROXIMATE AND SHALL BE VERIFIED WITH THE LOCATION OF THE WATER SERVICE LINES.

CTE | AECOM

REVISIONS	
NAME	DATE



ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 47TH STREET GATEWAY LANDSCAPING AND IRRIGATION
ROADWAY REMOVAL PLANS

SCALE: 1"=10'
 DATE: MAY 02, 2008

DRAWN BY: RMG
 CHECKED BY: JAL

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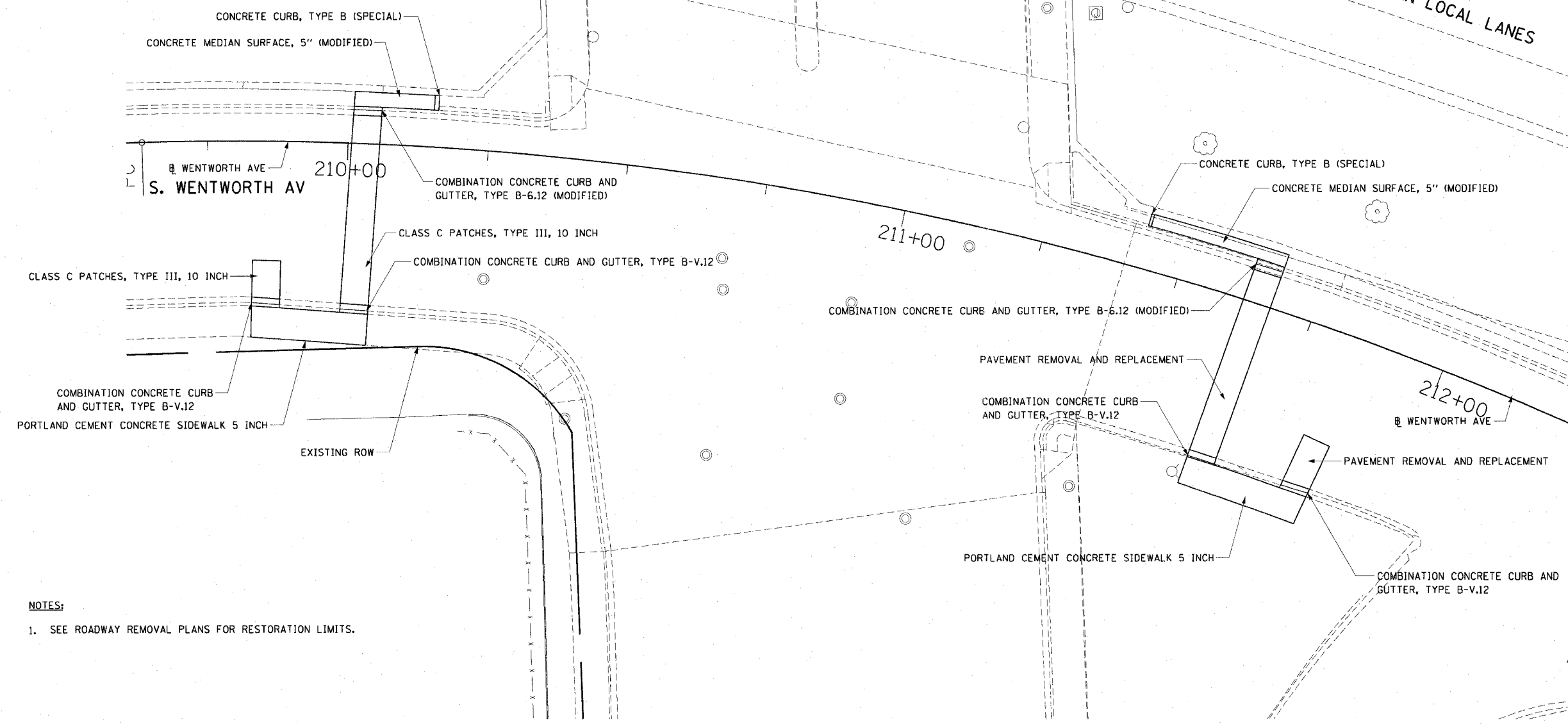
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-072 LS	COOK	38	17
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

60A78



W. 47TH ST

NORTHBOUND DAN RYAN LOCAL LANES



NOTES:
 1. SEE ROADWAY REMOVAL PLANS FOR RESTORATION LIMITS.

W. 47TH ST



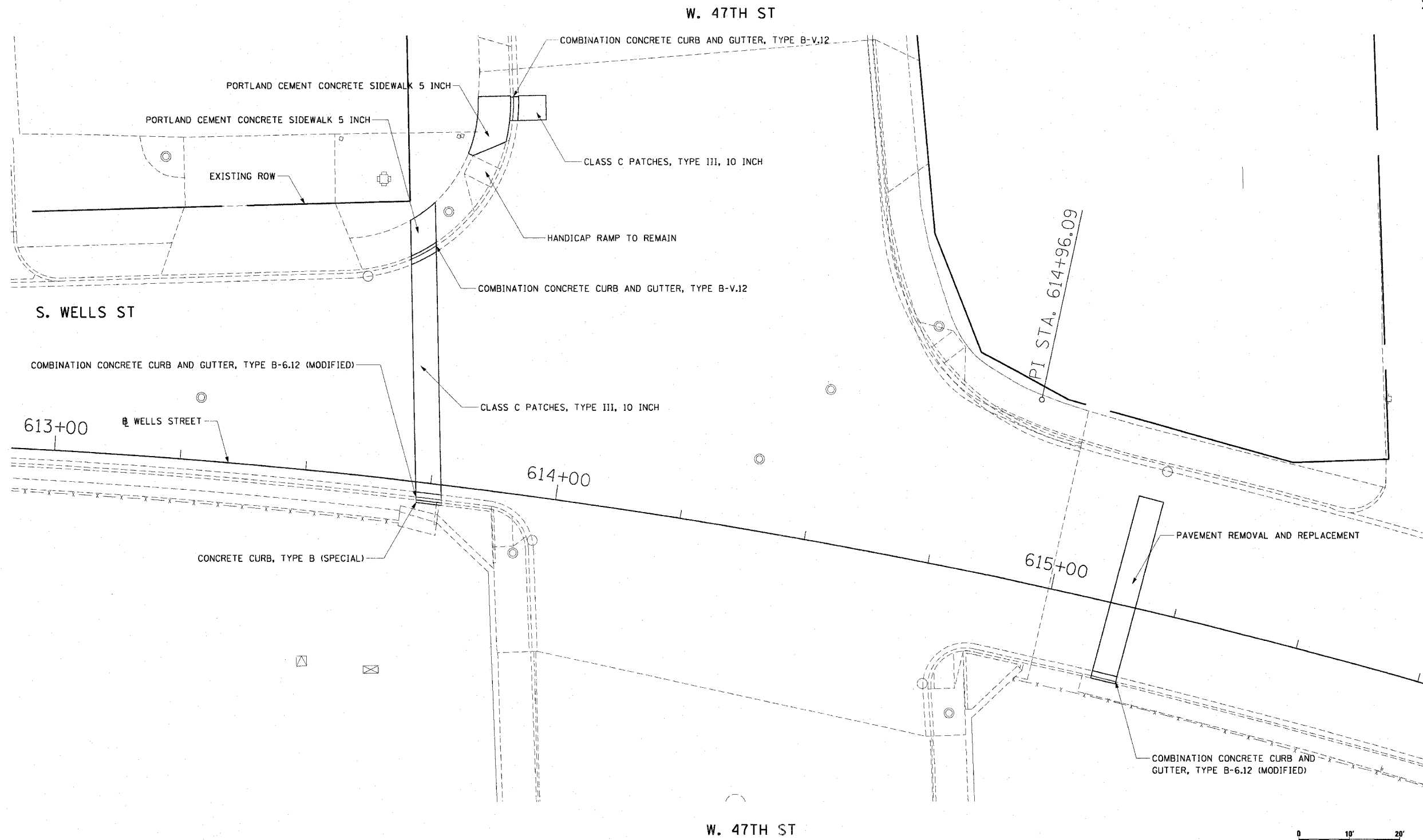
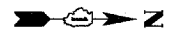
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 47TH STREET GATEWAY LANDSCAPING AND IRRIGATION
PROPOSED ROADWAY PLANS
 SCALE: 1"=10'
 DATE: MAY 02, 2008
 DRAWN BY: RMG
 CHECKED BY: JAL



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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-072 LS	COOK	38	18
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
60A78				



CTE | AECOM

- NOTES:**
- SEE ROADWAY REMOVAL PLANS FOR RESTORATION LIMITS.

REVISIONS	
NAME	DATE



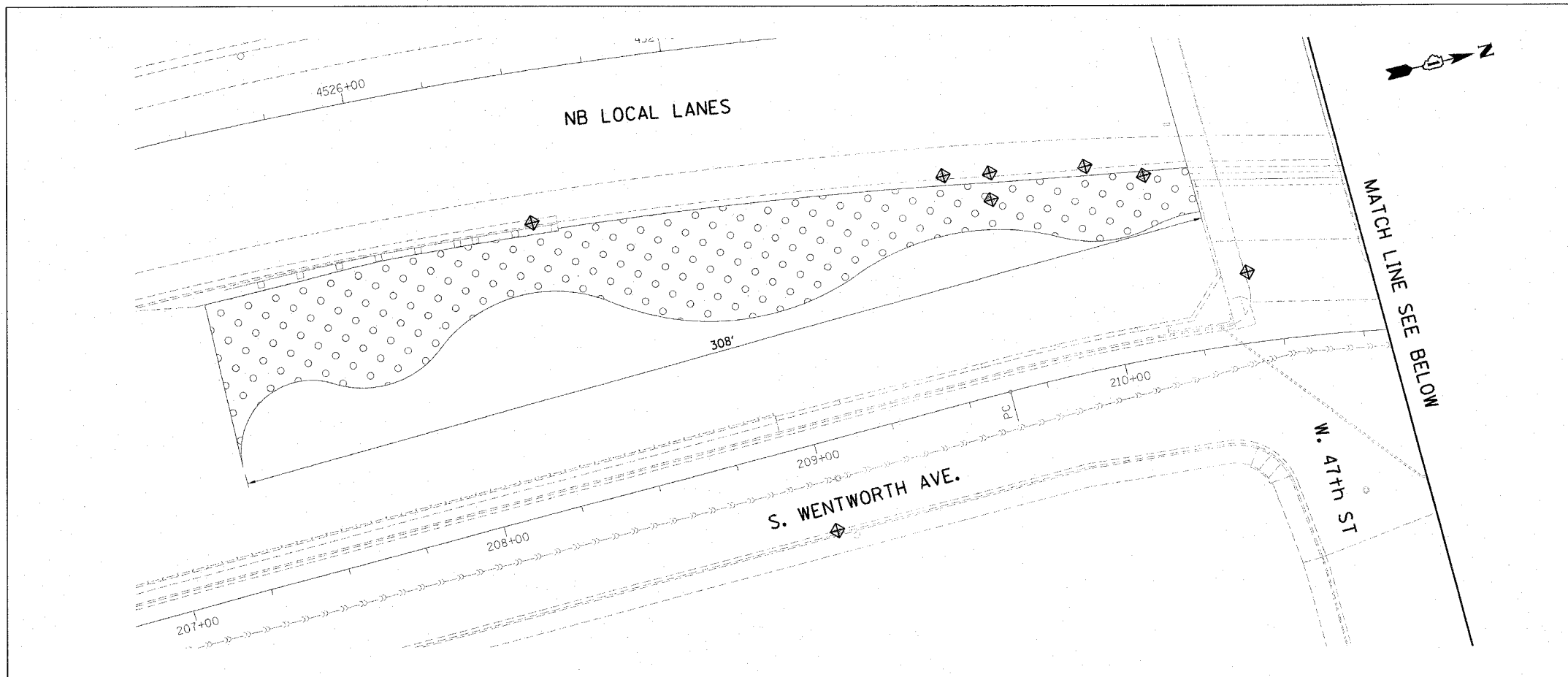
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 47TH STREET GATEWAY LANDSCAPING AND IRRIGATION
PROPOSED ROADWAY PLANS

SCALE: 1"=10'
 DATE: MAY 02, 2008

DRAWN BY: RMG
 CHECKED BY: JAL

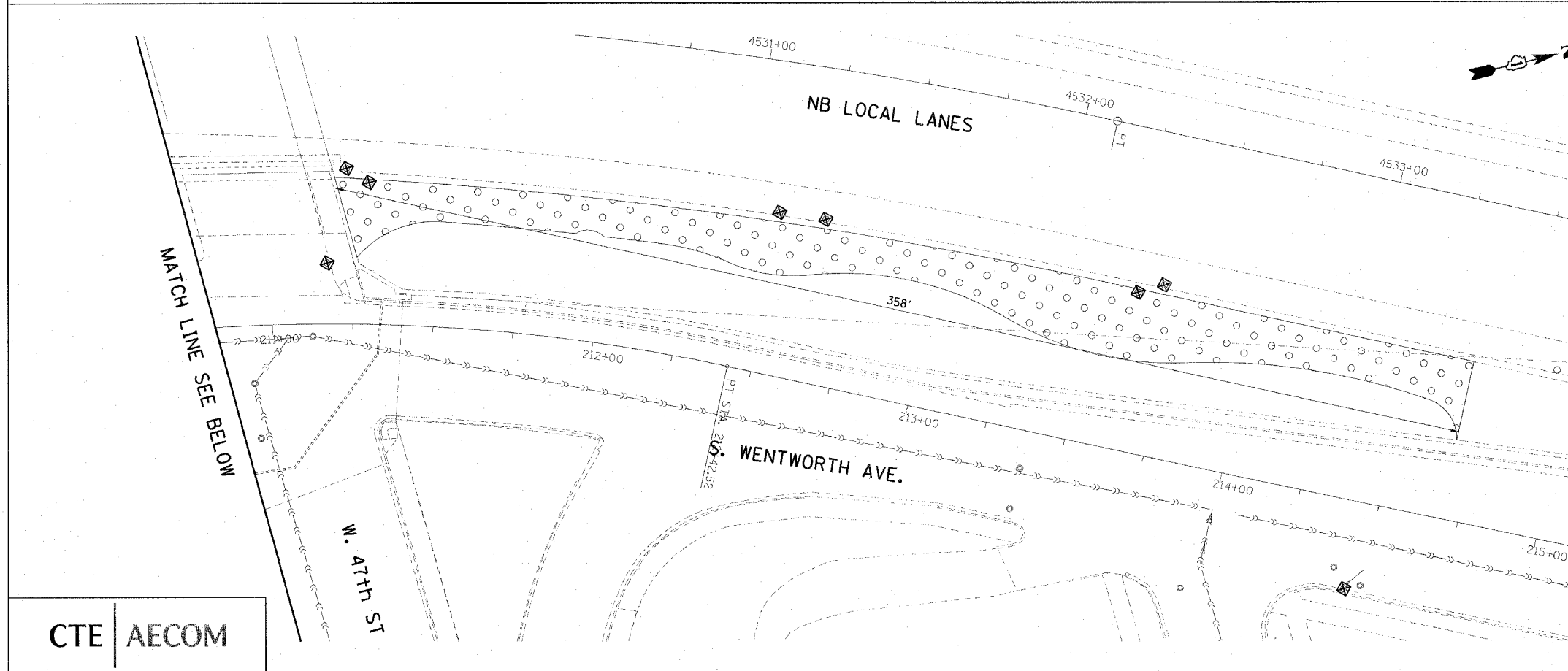
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
60A78				

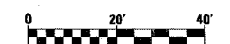


EROSION CONTROL NOTES:

1. EROSION CONTROL ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ITEMS ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONTRACTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES, WHICH WILL POTENTIALLY CREATE ERODABLE CONDITIONS.
2. THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THIS PLAN ARE TO BE EXPECTED PENDING A JOBSITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.
3. THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN SEDIMENT CONTROL MEASURES PRIOR TO STRIPPING EXISTING VEGETATION.
4. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS WHICH WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.
5. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION OF EXISTING PLANT MATERIAL THAT THE CONTRACT DOES NOT PROVIDE REMOVAL. THE PROTECTION OF EXISTING PLANT MATERIAL, AND THE REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL DAMAGED BY THE CONTRACTOR SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 201 OF THE STANDARD SPECIFICATIONS.



- LEGEND:**
- ◆ INLET FILTER
 - SEEDING, CLASS 2A
 - EROSION CONTROL BLANKET



REVISIONS	
NAME	DATE

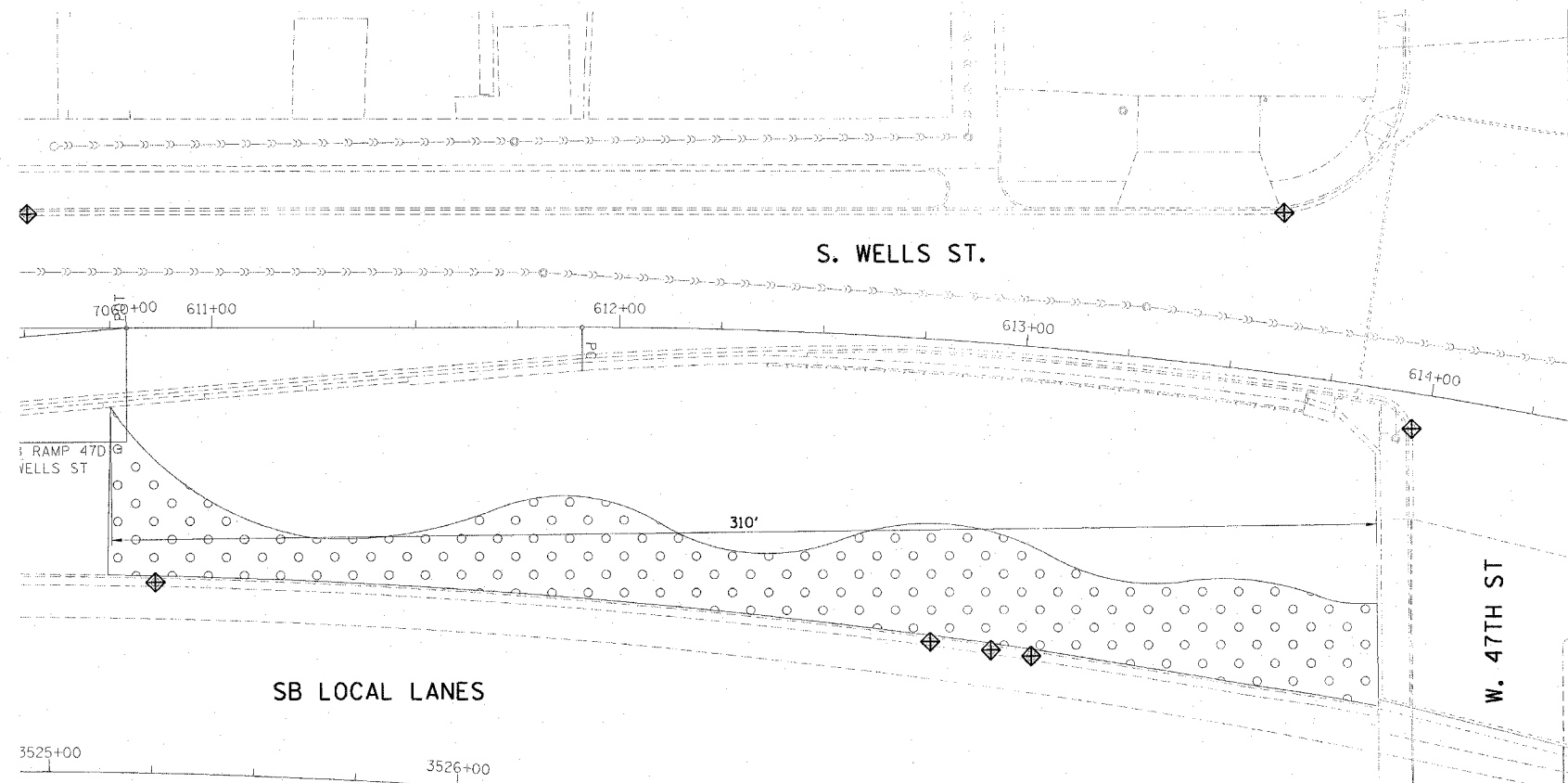
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 47TH STREET GATEWAY LANDSCAPING AND IRRIGATION
EROSION CONTROL PLANS

SCALE: 1"=20'
 DATE: MAY 02, 2008

DRAWN BY: MK
 CHECKED BY: RMG

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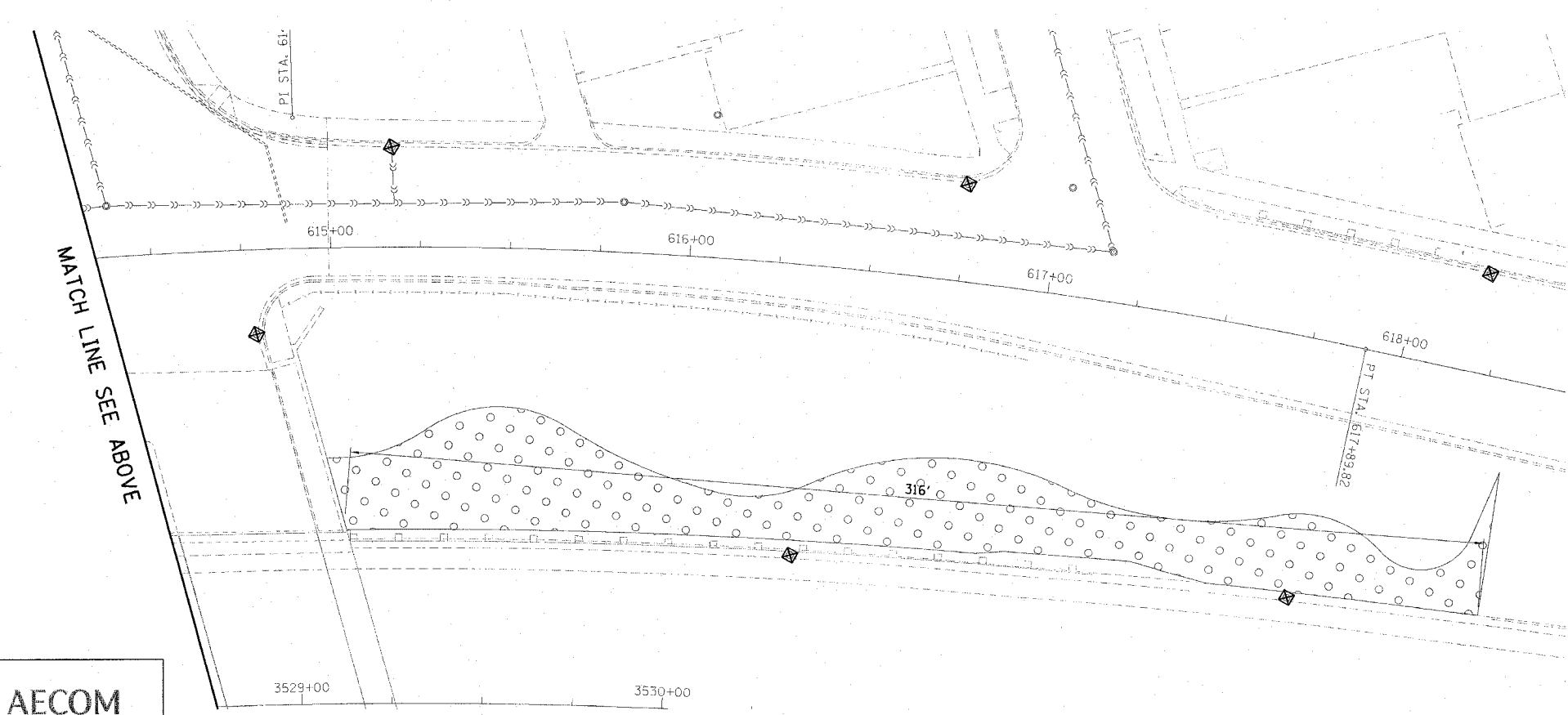
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90/94	2005-072 LS	COOK	38	20
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
60A78				



MATCH LINE SEE BELOW

EROSION CONTROL NOTES:

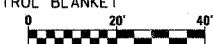
1. EROSION CONTROL ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ITEMS ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES, WHICH WILL POTENTIALLY CREATE ERODABLE CONDITIONS.
2. THE EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THIS PLAN ARE TO BE EXPECTED PENDING A JOBSITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.
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MATCH LINE SEE ABOVE

LEGEND:

- ◆ INLET FILTER
- SEEDING, CLASS 2A
- EROSION CONTROL BLANKET



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
47TH STREET GATEWAY LANDSCAPING AND IRRIGATION

EROSION CONTROL PLANS

SCALE: 1"=20'
DATE: MAY 02, 2008

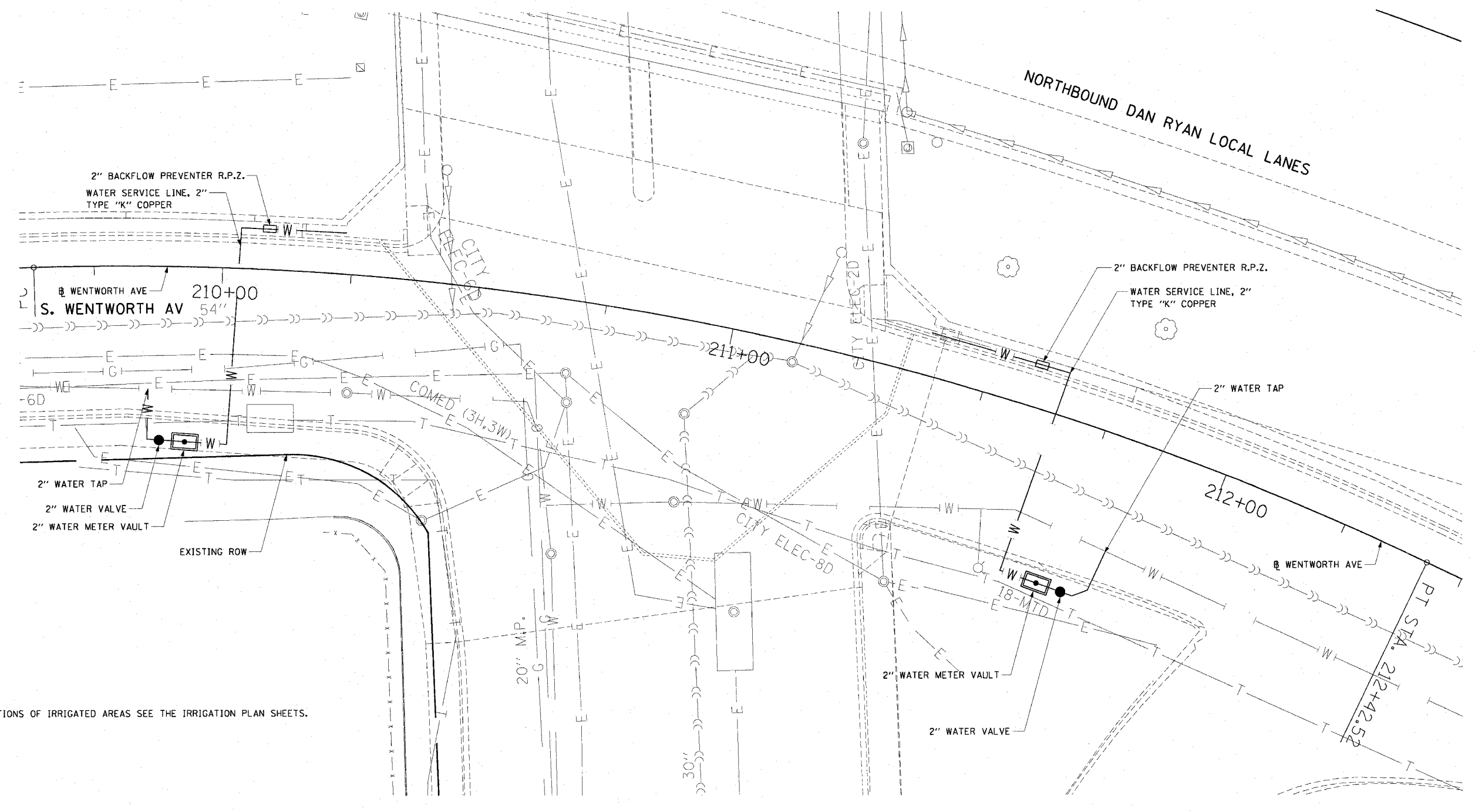
DRAWN BY: MK
CHECKED BY: RMG

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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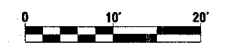
W. 47TH ST



NOTES:

1. FOR LOCATIONS OF IRRIGATED AREAS SEE THE IRRIGATION PLAN SHEETS.

W. 47TH ST

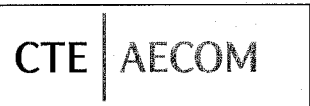


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 47TH STREET GATEWAY LANDSCAPING AND IRRIGATION
WATER SERVICE LINE PLANS

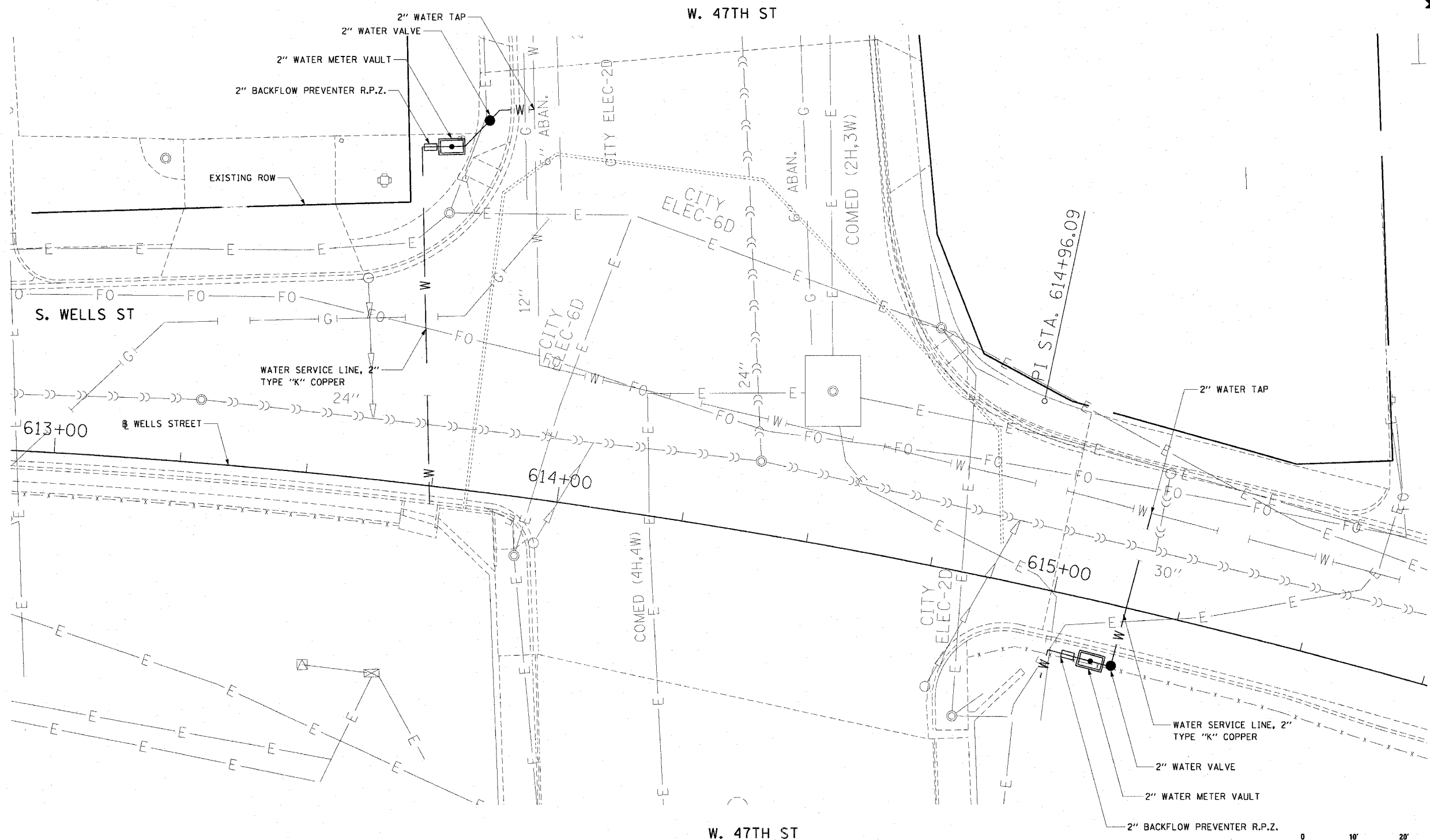
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DRAWN BY: RMG
 CHECKED BY: JAL



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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-072 LS	COOK	38	22
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	60A78	



NOTES:

- FOR LOCATIONS OF IRRIGATED AREAS SEE THE IRRIGATION PLAN SHEETS.

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
47TH STREET GATEWAY LANDSCAPING AND IRRIGATION

WATER SERVICE LINE PLANS

SCALE: 1"=10'
DATE: MAY 02, 2008

DRAWN BY: RMG
CHECKED BY: JAL

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SCHEDULE OF LANDSCAPE ITEMS - 47TH STREET GATEWAYS - SUMMARY

Code	Item	Common Name	Size	Root	Remarks	Unit	Total
SHADE TREES							
QA	Quercus bicolor	Swamp White Oak	3" caliper	B&B	matching heads, spring dig only, 20' o.c.	each	26
INTERMEDIATE TREES							
AG	Amelanchier x grandiflora 'Princess Diana'	Princess Diana Apple Serviceberry	8' height	B&B	multi-stem, 12' o.c.	each	28
SHRUBS							
RR	Rosa 'RADrazz'	Knock Out Rose	3 gallon	pot	24" o.c.	each	953
PERENNIAL PLANTS, DAYLILIES							
HC	Hemerocallis 'Chicago Apache'	Chicago Apache Daylily	1 gallon	pot	15" o.c.	UNIT	12.93
HP	Hemerocallis 'Pardon Me'	Pardon Me Daylily	1 gallon	pot	18" o.c.	UNIT	6.95
HR	Hemerocallis 'Royal Occasion'	Royal Occasion Daylily	1 gallon	pot	15" o.c.	UNIT	10.09
							Total units: 29.97
PERENNIAL PLANTS, GALLON POT							
BS	Baptisia sphaerocarpa	Yellow Baptisia	1 gallon	pot	15" o.c.	UNIT	12.5
LS	Liatris spicata 'Kolbold'	Kolbold Spike Gayfeather	1 gallon	pot	15" o.c.	UNIT	12.5
NF	Nepeta faassenii 'Walker's Low'	Walker's Low Faassen's Catmint	1 gallon	pot	18" o.c.	UNIT	7.38
RP	Ratibida pinnata	Prairie Coneflower	1 gallon	pot	15" o.c.	UNIT	9.66
SN	Salvia nemorosa 'Wesuwe'	Wesuwe Salvia	1 gallon	pot	15" o.c.	UNIT	9.66
SV	Salvia verticillata 'Purple Rain'	Purple Rain Lilac Salvia	1 gallon	pot	18" o.c.	UNIT	6.95
							Total units: 59.65
PERENNIAL PLANTS, ORNAMENTAL GRASS TYPE							
CA	Calamagrostis acutiflora 'Karl Foerster'	Karl Foerster Feather Reed Grass	1 gallon	pot	15" o.c.	UNIT	7.89
MP	Miscanthus sinensis 'Purpureocens'	Purple Maiden Grass	1 gallon	pot	18" o.c.	UNIT	5.4
MS	Miscanthus sinensis 'Silberfeder'	Silver Feather Eulalia Grass	1 gallon	pot	18" o.c.	UNIT	5.18
PR	Panicum virgatum 'Rotstrahlbusch'	Rotstrahlbusch Switch Grass	1 gallon	pot	18" o.c.	UNIT	7.57
PS	Panicum virgatum 'Shenandoah'	Shenandoah Switch Grass	1 gallon	pot	18" o.c.	UNIT	7.41
SH	Sporobolus heterolepis	Prairie Dropseed	1 gallon	pot	18" o.c.	UNIT	7.64
							Total units: 41.09

SCHEDULE OF LANDSCAPE ITEMS - 47TH STREET GATEWAYS - SOUTHEAST

Code	Item	Common Name	Size	Root	Remarks	Unit	Total
SHADE TREES							
QA	Quercus bicolor	Swamp White Oak	3" caliper	B&B	matching heads, spring dig only, 20' o.c.	each	9
INTERMEDIATE TREES							
AG	Amelanchier x grandiflora 'Princess Diana'	Princess Diana Apple Serviceberry	8' height	B&B	multi-stem, 12' o.c.	each	7
SHRUBS							
RR	Rosa 'RADrazz'	Knock Out Rose	3 gallon	pot	24" o.c.	each	192
PERENNIAL PLANTS, DAYLILIES							
HC	Hemerocallis 'Chicago Apache'	Chicago Apache Daylily	1 gallon	pot	15" o.c.	UNIT	3.89
HP	Hemerocallis 'Pardon Me'	Pardon Me Daylily	1 gallon	pot	18" o.c.	UNIT	1.55
HR	Hemerocallis 'Royal Occasion'	Royal Occasion Daylily	1 gallon	pot	15" o.c.	UNIT	3.8
							Total units: 9.24
PERENNIAL PLANTS, GALLON POT							
BS	Baptisia sphaerocarpa	Yellow Baptisia	1 gallon	pot	15" o.c.	UNIT	3.89
LS	Liatris spicata 'Kolbold'	Kolbold Spike Gayfeather	1 gallon	pot	15" o.c.	UNIT	3.89
NF	Nepeta faassenii 'Walker's Low'	Walker's Low Faassen's Catmint	1 gallon	pot	18" o.c.	UNIT	1.55
RP	Ratibida pinnata	Prairie Coneflower	1 gallon	pot	15" o.c.	UNIT	3.8
SN	Salvia nemorosa 'Wesuwe'	Wesuwe Salvia	1 gallon	pot	15" o.c.	UNIT	3.8
SV	Salvia verticillata 'Purple Rain'	Purple Rain Lilac Salvia	1 gallon	pot	18" o.c.	UNIT	1.55
							Total units: 18.48
PERENNIAL PLANTS, ORNAMENTAL GRASS TYPE							
CA	Calamagrostis acutiflora 'Karl Foerster'	Karl Foerster Feather Reed Grass	1 gallon	pot	15" o.c.	UNIT	6
MS	Miscanthus sinensis 'Silberfeder'	Silver Feather Eulalia Grass	1 gallon	pot	18" o.c.	UNIT	3.19
PS	Panicum virgatum 'Shenandoah'	Shenandoah Switch Grass	1 gallon	pot	18" o.c.	UNIT	3.65
							Total units: 12.84

SCHEDULE OF LANDSCAPE ITEMS - 47TH STREET GATEWAYS - NORTHEAST

Code	Item	Common Name	Size	Root	Remarks	Unit	Total
SHADE TREES							
QA	Quercus bicolor	Swamp White Oak	3" caliper	B&B	matching heads, spring dig only, 20' o.c.	each	2
INTERMEDIATE TREES							
AG	Amelanchier x grandiflora 'Princess Diana'	Princess Diana Apple Serviceberry	8' height	B&B	multi-stem, 12' o.c.	each	6
SHRUBS							
RR	Rosa 'RADrazz'	Knock Out Rose	3 gallon	pot	24" o.c.	each	173
PERENNIAL PLANTS, DAYLILIES							
HC	Hemerocallis 'Chicago Apache'	Chicago Apache Daylily	1 gallon	pot	15" o.c.	UNIT	2.02
HP	Hemerocallis 'Pardon Me'	Pardon Me Daylily	1 gallon	pot	18" o.c.	UNIT	1.54
HR	Hemerocallis 'Royal Occasion'	Royal Occasion Daylily	1 gallon	pot	15" o.c.	UNIT	1.41
							Total units: 4.97
PERENNIAL PLANTS, GALLON POT							
BS	Baptisia sphaerocarpa	Yellow Baptisia	1 gallon	pot	15" o.c.	UNIT	2.02
LS	Liatris spicata 'Kolbold'	Kolbold Spike Gayfeather	1 gallon	pot	15" o.c.	UNIT	2.02
NF	Nepeta faassenii 'Walker's Low'	Walker's Low Faassen's Catmint	1 gallon	pot	18" o.c.	UNIT	1.54
RP	Ratibida pinnata	Prairie Coneflower	1 gallon	pot	15" o.c.	UNIT	1.41
SN	Salvia nemorosa 'Wesuwe'	Wesuwe Salvia	1 gallon	pot	15" o.c.	UNIT	1.41
SV	Salvia verticillata 'Purple Rain'	Purple Rain Lilac Salvia	1 gallon	pot	18" o.c.	UNIT	1.54
							Total units: 9.94
PERENNIAL PLANTS, ORNAMENTAL GRASS TYPE							
CA	Calamagrostis acutiflora 'Karl Foerster'	Karl Foerster Feather Reed Grass	1 gallon	pot	15" o.c.	UNIT	1.89
MS	Miscanthus sinensis 'Silberfeder'	Silver Feather Eulalia Grass	1 gallon	pot	18" o.c.	UNIT	1.99
PS	Panicum virgatum 'Shenandoah'	Shenandoah Switch Grass	1 gallon	pot	18" o.c.	UNIT	3.76
							Total units: 7.64

SITE DESIGN GROUP

SCHEDULE OF LANDSCAPE ITEMS - 47TH STREET GATEWAYS - SOUTHWEST

Code	Item	Common Name	Size	Root	Remarks	Unit	Total
SHADE TREES							
QA	Quercus bicolor	Swamp White Oak	3" caliper	B&B	matching heads, spring dig only, 20' o.c.	each	9
INTERMEDIATE TREES							
AG	Amelanchier x grandiflora 'Princess Diana'	Princess Diana Apple Serviceberry	8' height	B&B	multi-stem, 12' o.c.	each	8
SHRUBS							
RR	Rosa 'RADrazz'	Knock Out Rose	3 gallon	pot	24" o.c.	each	216
PERENNIAL PLANTS, DAYLILIES							
HC	Hemerocallis 'Chicago Apache'	Chicago Apache Daylily	1 gallon	pot	15" o.c.	UNIT	3.18
HP	Hemerocallis 'Pardon Me'	Pardon Me Daylily	1 gallon	pot	18" o.c.	UNIT	2.08
HR	Hemerocallis 'Royal Occasion'	Royal Occasion Daylily	1 gallon	pot	15" o.c.	UNIT	2.07
							Total units: 7.93
PERENNIAL PLANTS, GALLON POT							
BS	Baptisia sphaerocarpa	Yellow Baptisia	1 gallon	pot	15" o.c.	UNIT	3.18
LS	Liatris spicata 'Kolbold'	Kolbold Spike Gayfeather	1 gallon	pot	15" o.c.	UNIT	3.18
NF	Nepeta faassenii 'Walker's Low'	Walker's Low Faassen's Catmint	1 gallon	pot	18" o.c.	UNIT	2.08
RP	Ratibida pinnata	Prairie Coneflower	1 gallon	pot	15" o.c.	UNIT	2.07
SN	Salvia nemorosa 'Wesuwe'	Wesuwe Salvia	1 gallon	pot	15" o.c.	UNIT	2.07
SV	Salvia verticillata 'Purple Rain'	Purple Rain Lilac Salvia	1 gallon	pot	18" o.c.	UNIT	2.08
							Total units: 14.66
PERENNIAL PLANTS, ORNAMENTAL GRASS TYPE							
MP	Miscanthus sinensis 'Purpureocens'	Purple Maiden Grass	1 gallon	pot	18" o.c.	UNIT	1.18
PR	Panicum virgatum 'Rotstrahlbusch'	Rotstrahlbusch Switch Grass	1 gallon	pot	18" o.c.	UNIT	3.47
SH	Sporobolus heterolepis	Prairie Dropseed	1 gallon	pot	18" o.c.	UNIT	3.5
							Total units: 8.15

SCHEDULE OF LANDSCAPE ITEMS - 47TH STREET GATEWAYS - NORTHWEST

Code	Item	Common Name	Size	Root	Remarks	Unit	Total
SHADE TREES							
QA	Quercus bicolor	Swamp White Oak	3" caliper	B&B	matching heads, spring dig only, 20' o.c.	each	6
INTERMEDIATE TREES							
AG	Amelanchier x grandiflora 'Princess Diana'	Princess Diana Apple Serviceberry	8' height	B&B	multi-stem, 12' o.c.	each	9
SHRUBS							
RR	Rosa 'RADrazz'	Knock Out Rose	3 gallon	pot	24" o.c.	each	349
PERENNIAL PLANTS, DAYLILIES							
HC	Hemerocallis 'Chicago Apache'	Chicago Apache Daylily	1 gallon	pot	15" o.c.	UNIT	3.41
HP	Hemerocallis 'Pardon Me'	Pardon Me Daylily	1 gallon	pot	18" o.c.	UNIT	1.78
HR	Hemerocallis 'Royal Occasion'	Royal Occasion Daylily	1 gallon	pot	15" o.c.	UNIT	2.38
							Total units: 7.57
PERENNIAL PLANTS, GALLON POT							
BS	Baptisia sphaerocarpa	Yellow Baptisia	1 gallon	pot	15" o.c.	UNIT	3.41
LS	Liatris spicata 'Kolbold'	Kolbold Spike Gayfeather	1 gallon	pot	15" o.c.	UNIT	3.41
NF	Nepeta faassenii 'Walker's Low'	Walker's Low Faassen's Catmint	1 gallon	pot	18" o.c.	UNIT	1.78
RP	Ratibida pinnata	Prairie Coneflower	1 gallon	pot	15" o.c.	UNIT	2.38
SN	Salvia nemorosa 'Wesuwe'	Wesuwe Salvia	1 gallon	pot	15" o.c.	UNIT	2.38
SV	Salvia verticillata 'Purple Rain'	Purple Rain Lilac Salvia	1 gallon	pot	18" o.c.	UNIT	1.78
							Total units: 15.14
PERENNIAL PLANTS, ORNAMENTAL GRASS TYPE							
MP	Miscanthus sinensis 'Purpureocens'	Purple Maiden Grass	1 gallon	pot	18" o.c.	UNIT	4.22
PR	Panicum virgatum 'Rotstrahlbusch'	Rotstrahlbusch Switch Grass	1 gallon	pot	18" o.c.	UNIT	4.1
SH	Sporobolus heterolepis	Prairie Dropseed	1 gallon	pot	18" o.c.	UNIT	4.14
							Total units: 12.46

SCHEDULE OF LANDSCAPE ITEMS - 47TH STREET GATEWAYS - SOUTHEAST CORNER GARDEN

Code	Item	Common Name	Size	Root	Remarks	Unit	Total
SHRUBS							
RR	Rosa 'RADrazz'	Knock Out Rose	3 gallon	pot	24" o.c.	each	7
PERENNIAL PLANTS, DAYLILIES							
HC	Hemerocallis 'Chicago Apache'	Chicago Apache Daylily	1 gallon	pot	15" o.c.	UNIT	0.2
HR	Hemerocallis 'Royal Occasion'	Royal Occasion Daylily	1 gallon	pot	15" o.c.	UNIT	0.2
							Total units: 0.4
PERENNIAL PLANTS, GALLON POT							
NF	Nepeta faassenii 'Walker's Low'	Walker's Low Faassen's Catmint	1 gallon	pot	18" o.c.	UNIT	0.2
							Total units: 0.2

SCHEDULE OF LANDSCAPE ITEMS - 47TH STREET GATEWAYS - NORTHEAST CORNER GARDEN

Code	Item	Common Name	Size	Root	Remarks	Unit	Total
SHRUBS							
RR	Rosa 'RADrazz'	Knock Out Rose	3 gallon	pot	24" o.c.	each	6
PERENNIAL PLANTS, DAYLILIES							
HC	Hemerocallis 'Chicago Apache'	Chicago Apache Daylily	1 gallon	pot	15" o.c.	UNIT	0.11
HR	Hemerocallis 'Royal Occasion'	Royal Occasion Daylily	1 gallon	pot	15" o.c.	UNIT	0.11
							Total units: 0.22
PERENNIAL PLANTS, GALLON POT							
NF	Nepeta faassenii 'Walker's Low'	Walker's Low Faassen's Catmint	1 gallon	pot	18" o.c.	UNIT	0.11
							Total units: 0.11

SCHEDULE OF LANDSCAPE ITEMS - 47TH STREET GATEWAYS - SOUTHWEST CORNER GARDEN

Code	Item	Common Name	Size	Root	Remarks	Unit	Total
SHRUBS							
RR	Rosa 'RADrazz'	Knock Out Rose	3 gallon	pot	24" o.c.	each	10
PERENNIAL PLANTS, DAYLILIES							
HC	Hemerocallis 'Chicago Apache'	Chicago Apache Daylily	1 gallon	pot	15" o.c.	UNIT	0.12
HR	Hemerocallis 'Royal Occasion'	Royal Occasion Daylily	1 gallon	pot	15" o.c.	UNIT	0.12
							Total units: 0.24
PERENNIAL PLANTS, GALLON POT							
NF	Nepeta faassenii 'Walker's Low'	Walker's Low Faassen's Catmint	1 gallon	pot	18" o.c.	UNIT	0.12
							Total units: 0.12

REVISIONS


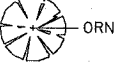


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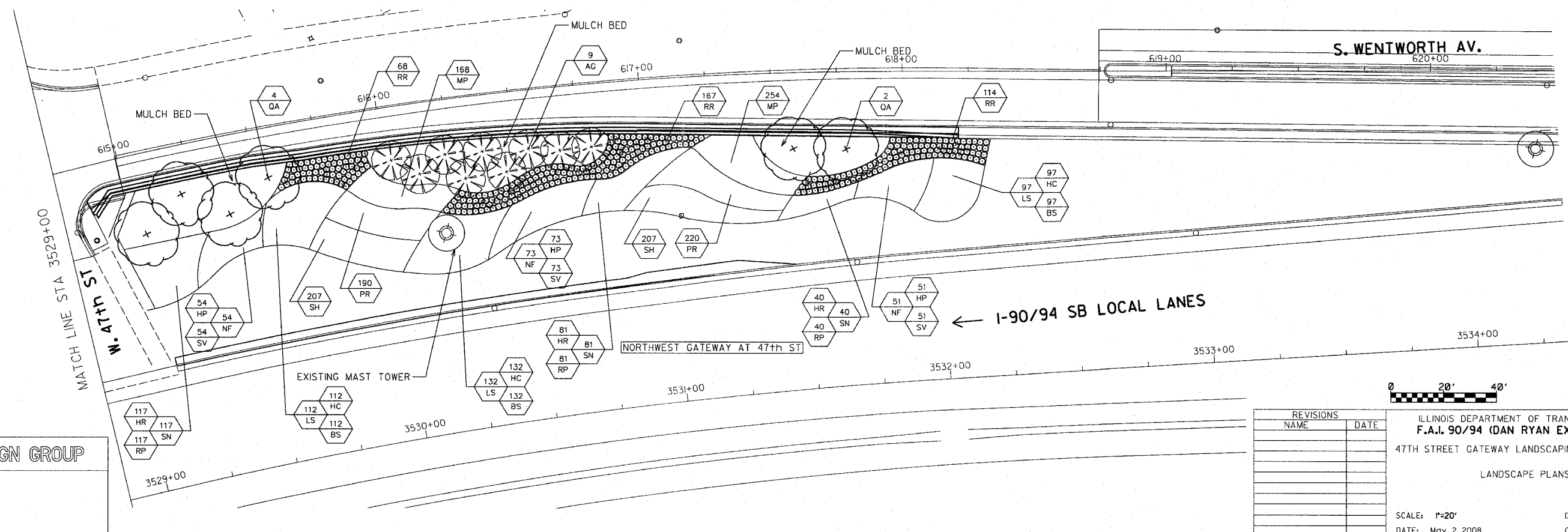
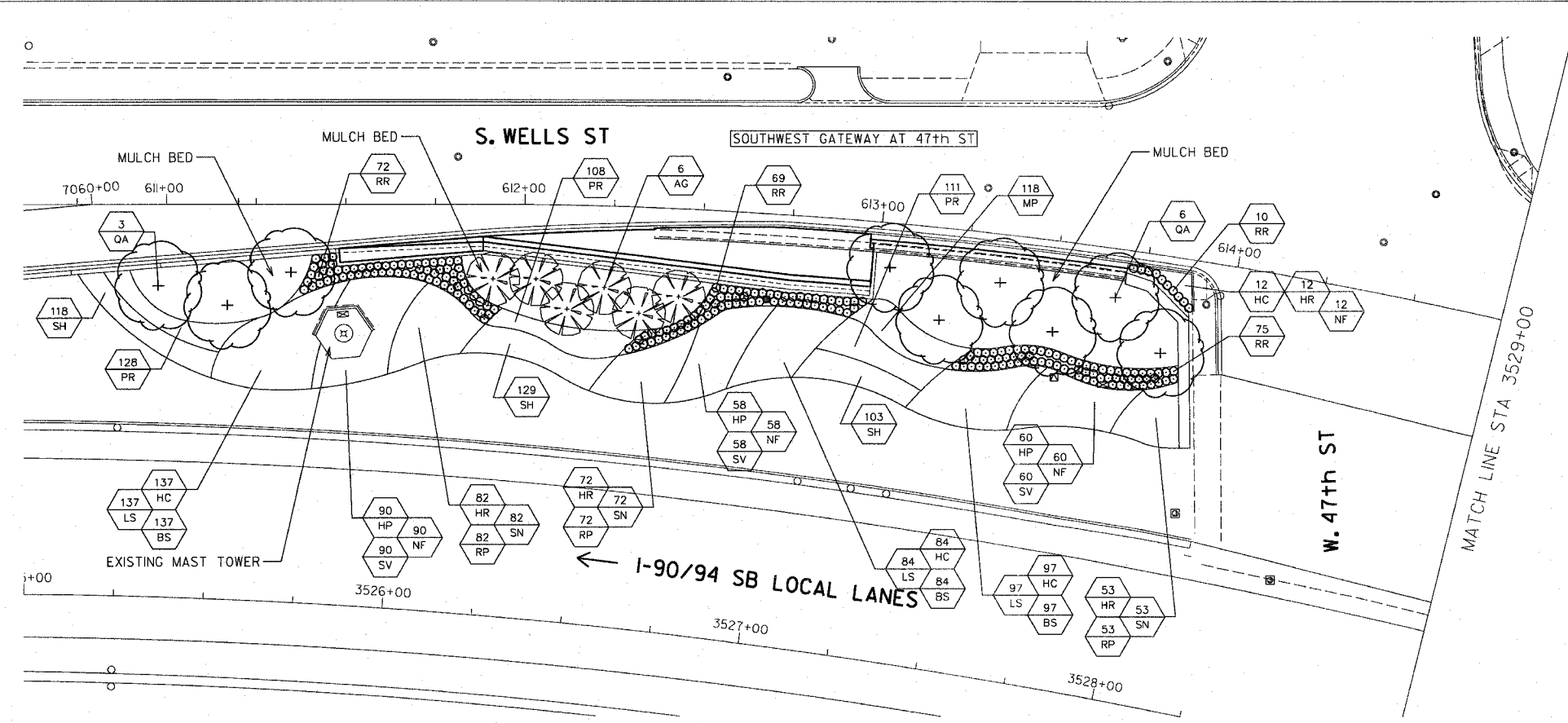
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 47TH STREET GATEWAY LANDSCAPING AND IRRIGATION
 PLANT SCHEDULES
 SCALE: NTS DRAWN BY: EM
 DATE: May 2, 2008 CHECKED BY: JO

DATE \$

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-072 LS	COOK	38	24
STA. 3525+00		TO STA. 3534+50		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
0818, ETC, 2324.6-IP1R-8		60A7B		

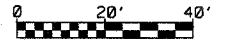
LEGEND:

-  SHADE TREE
-  ORNAMENTAL TREE
-  ORNAMENTAL SHRUBS
-  PERENNIALS/
ORNAMENTAL GRASSES



SITE DESIGN GROUP

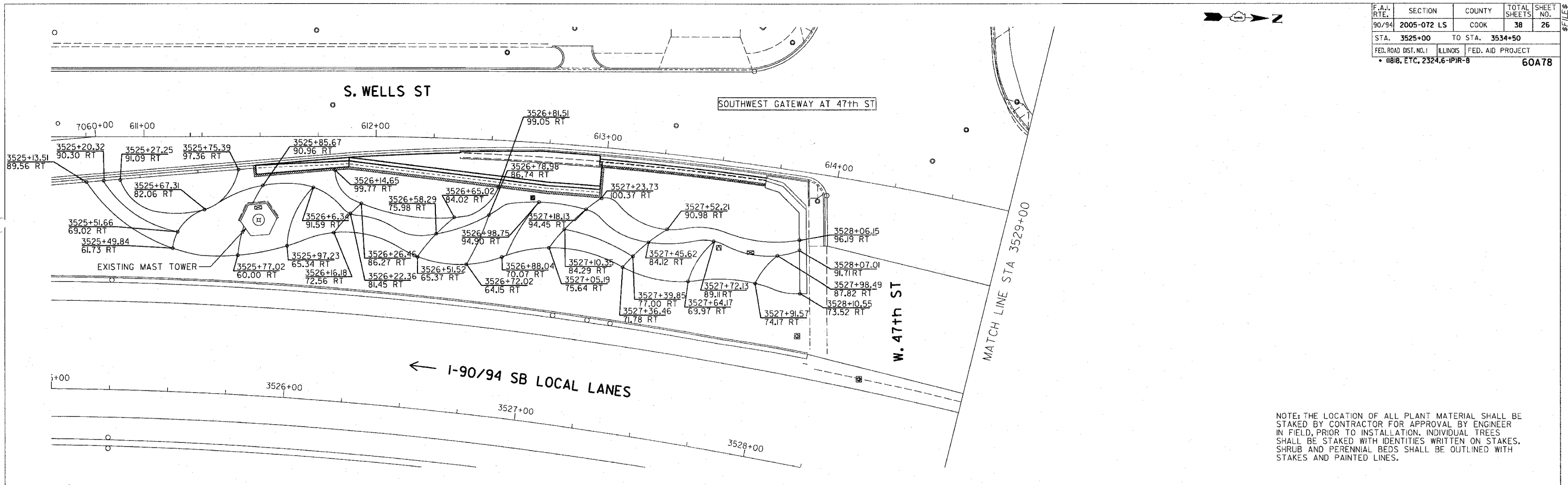
REVISIONS	
NAME	DATE



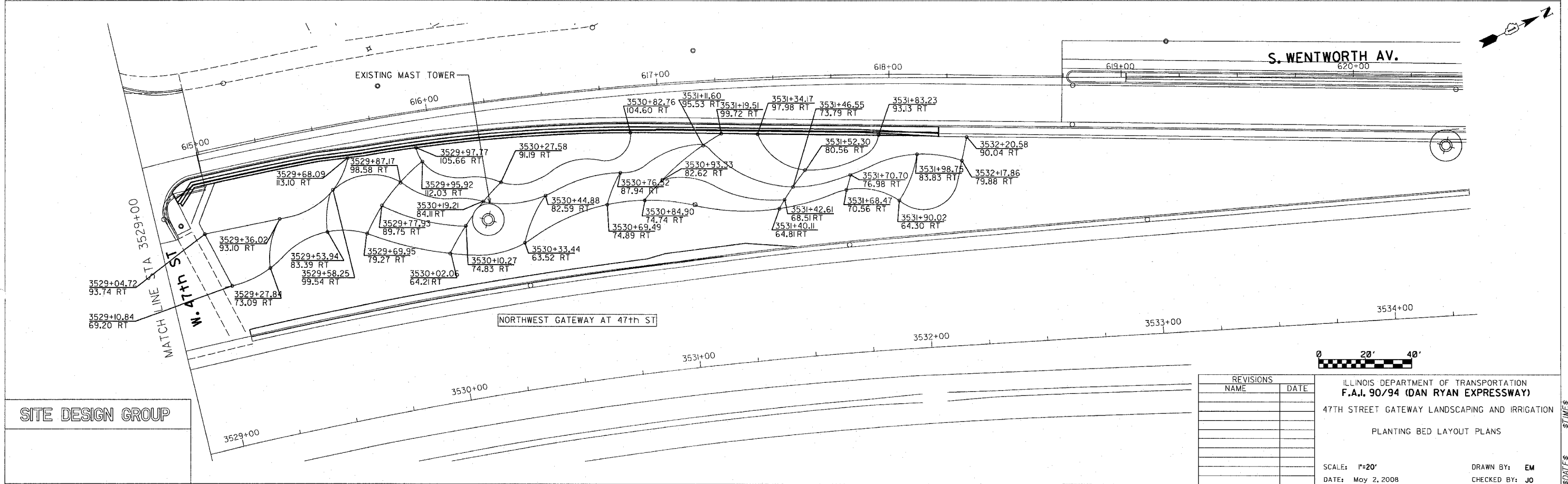
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 ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 47TH STREET GATEWAY LANDSCAPING AND IRRIGATION
 LANDSCAPE PLANS
 SCALE: 1"=20'
 DATE: May 2, 2008
 DRAWN BY: EM
 CHECKED BY: JO

\$1.00 PER SHEET

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-072 LS	COOK	38	26
STA. 3525+00	TO STA. 3534+50			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
• 008B, ETC., 2324.6-IPR-8			60A78	

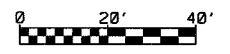


NOTE: THE LOCATION OF ALL PLANT MATERIAL SHALL BE STAKED BY CONTRACTOR FOR APPROVAL BY ENGINEER IN FIELD, PRIOR TO INSTALLATION. INDIVIDUAL TREES SHALL BE STAKED WITH IDENTITIES WRITTEN ON STAKES. SHRUB AND PERENNIAL BEDS SHALL BE OUTLINED WITH STAKES AND PAINTED LINES.



SITE DESIGN GROUP

REVISIONS	
NAME	DATE



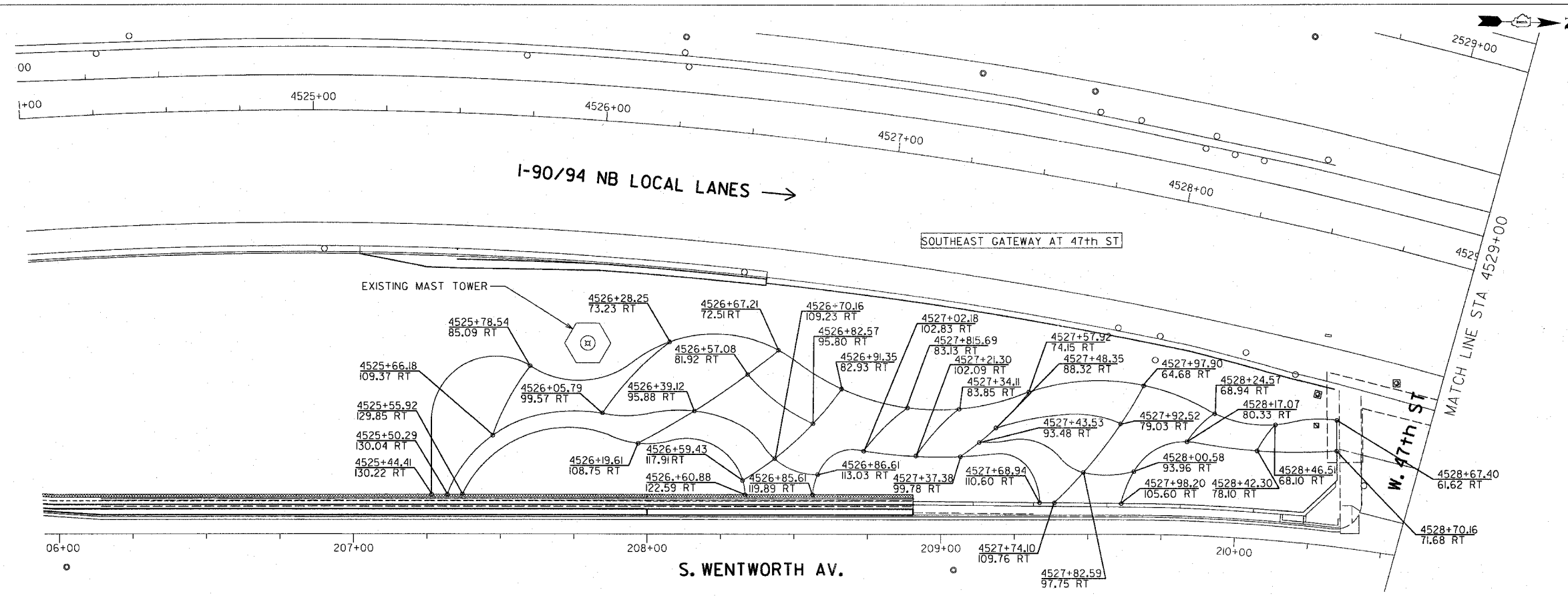
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 47TH STREET GATEWAY LANDSCAPING AND IRRIGATION
 PLANTING BED LAYOUT PLANS

SCALE: 1"=20'
 DATE: May 2, 2008

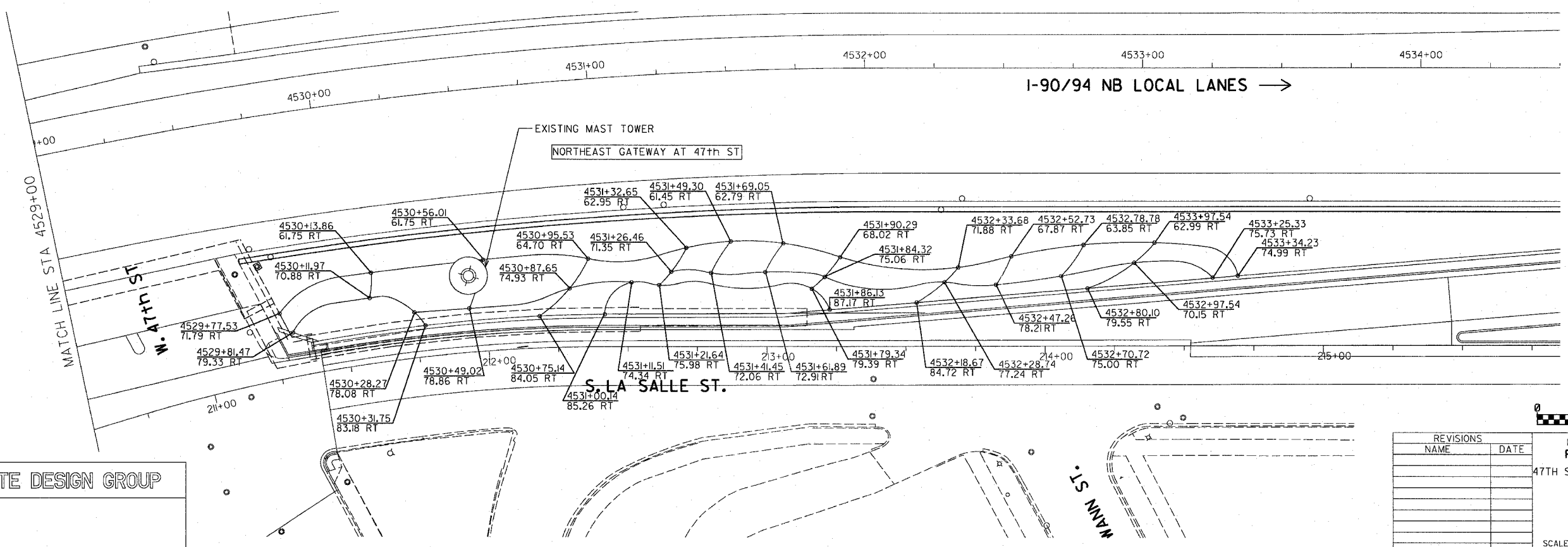
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 CHECKED BY: JO

SCALE \$

F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-072 LS	COOK	38	27
STA. 4524+00	TO STA. 4534+50			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
• 0818, ETC, 2324.6-IPR-8			60A78	

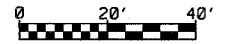


NOTE: THE LOCATION OF ALL PLANT MATERIAL SHALL BE STAKED BY CONTRACTOR FOR APPROVAL BY ENGINEER IN FIELD, PRIOR TO INSTALLATION. INDIVIDUAL TREES SHALL BE STAKED WITH IDENTITIES WRITTEN ON STAKES. SHRUB AND PERENNIAL BEDS SHALL BE OUTLINED WITH STAKES AND PAINTED LINES.



SITE DESIGN GROUP

REVISIONS	
NAME	DATE



ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.L. 90/94 (DAN RYAN EXPRESSWAY)
 47TH STREET GATEWAY LANDSCAPING AND IRRIGATION
 PLANTING BED LAYOUT PLANS

SCALE: 1"=20'
 DATE: May 2, 2008

DRAWN BY: EM
 CHECKED BY: JO

DATE\$

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-072 LS	COOK	38	28
STA. 3525+00	TO STA. 3534+50			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
• 0818, ETC, 2324.6-IPR-8			60A78	

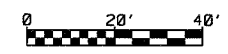
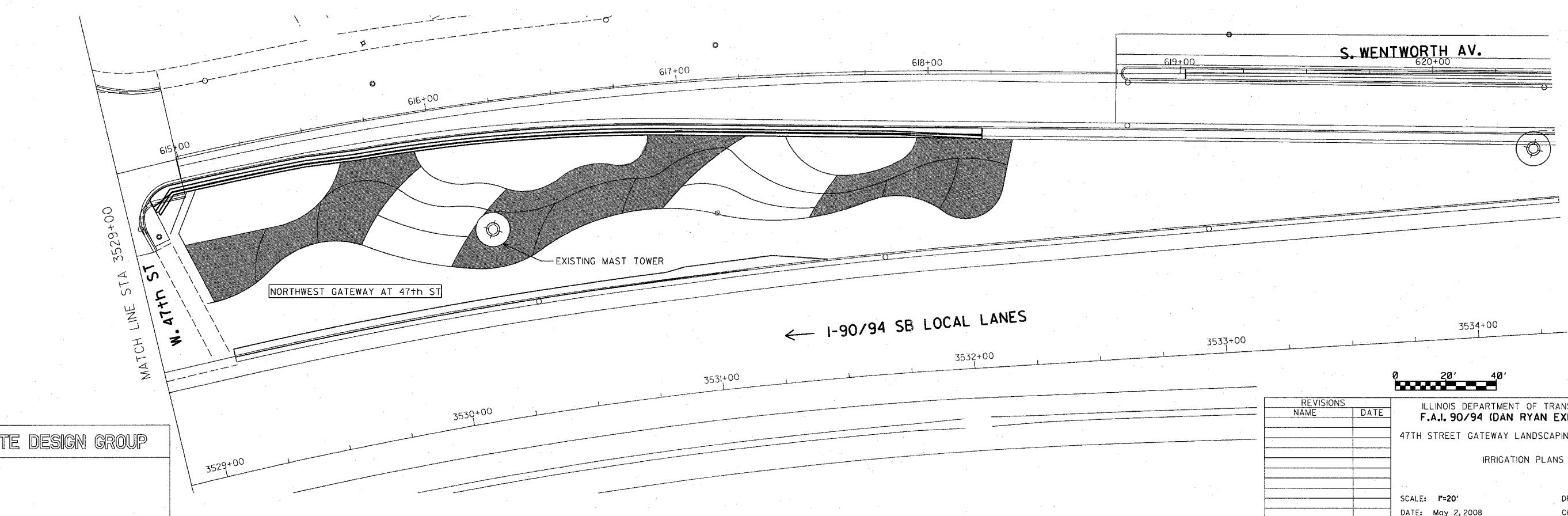
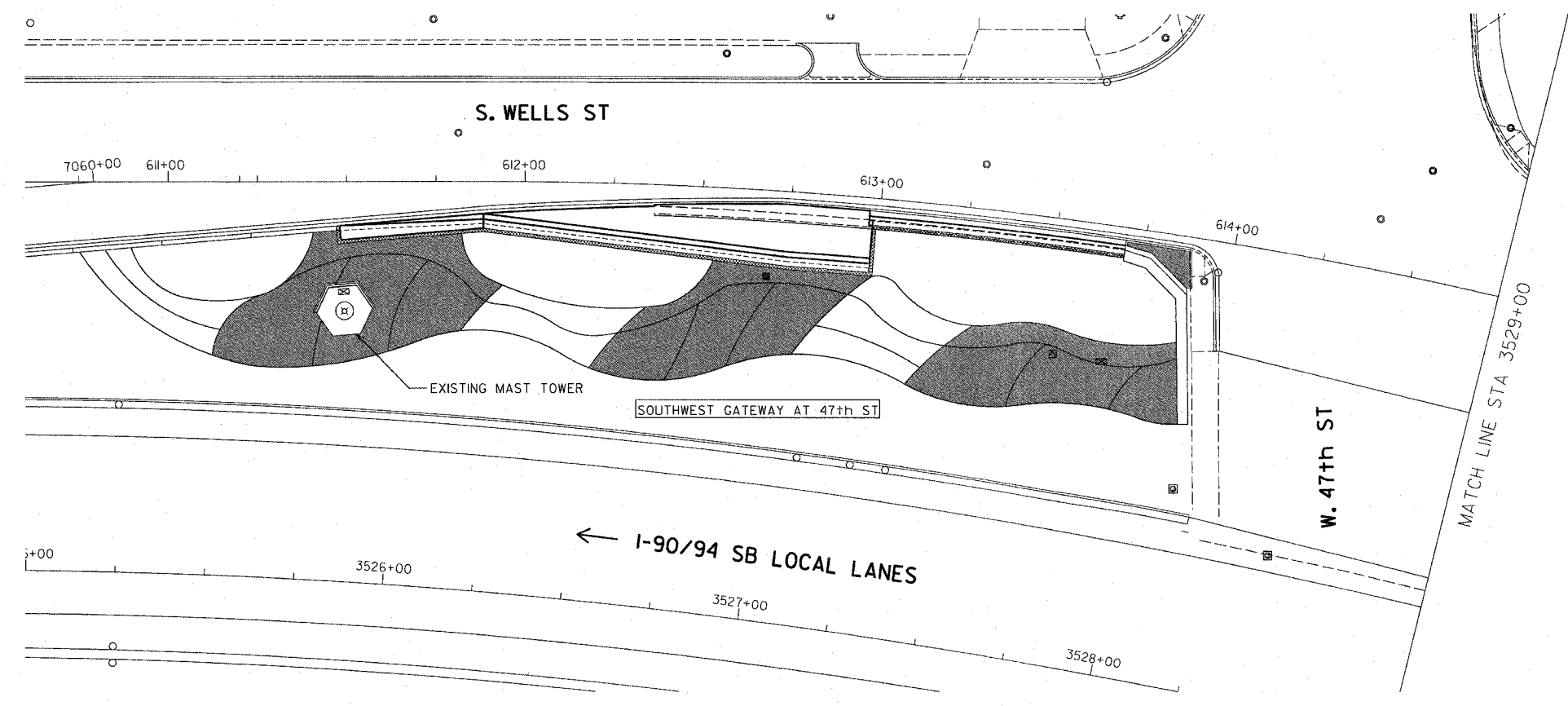


LEGEND:

AREA TO BE IRRIGATED

NOTES:

1. ALL PERENNIAL AND SHRUB BEDS SHALL BE IRRIGATED.
2. FOR IRRIGATION SERVICE DETAILS SEE WATER SERVICE LINE PLANS.



SHT-1-1

SITE DESIGN GROUP

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 47TH STREET GATEWAY LANDSCAPING AND IRRIGATION
 IRRIGATION PLANS

SCALE: 1"=20'
 DATE: May 2, 2008

DRAWN BY: EM
 CHECKED BY: JO

DATE\$

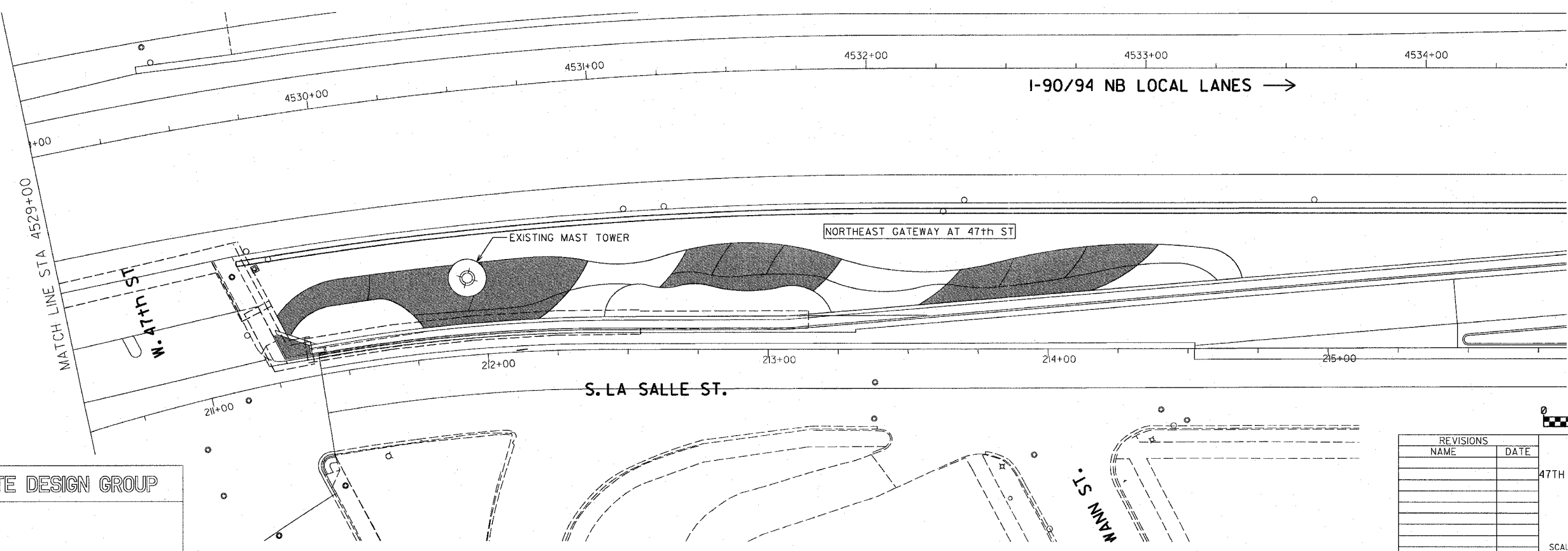
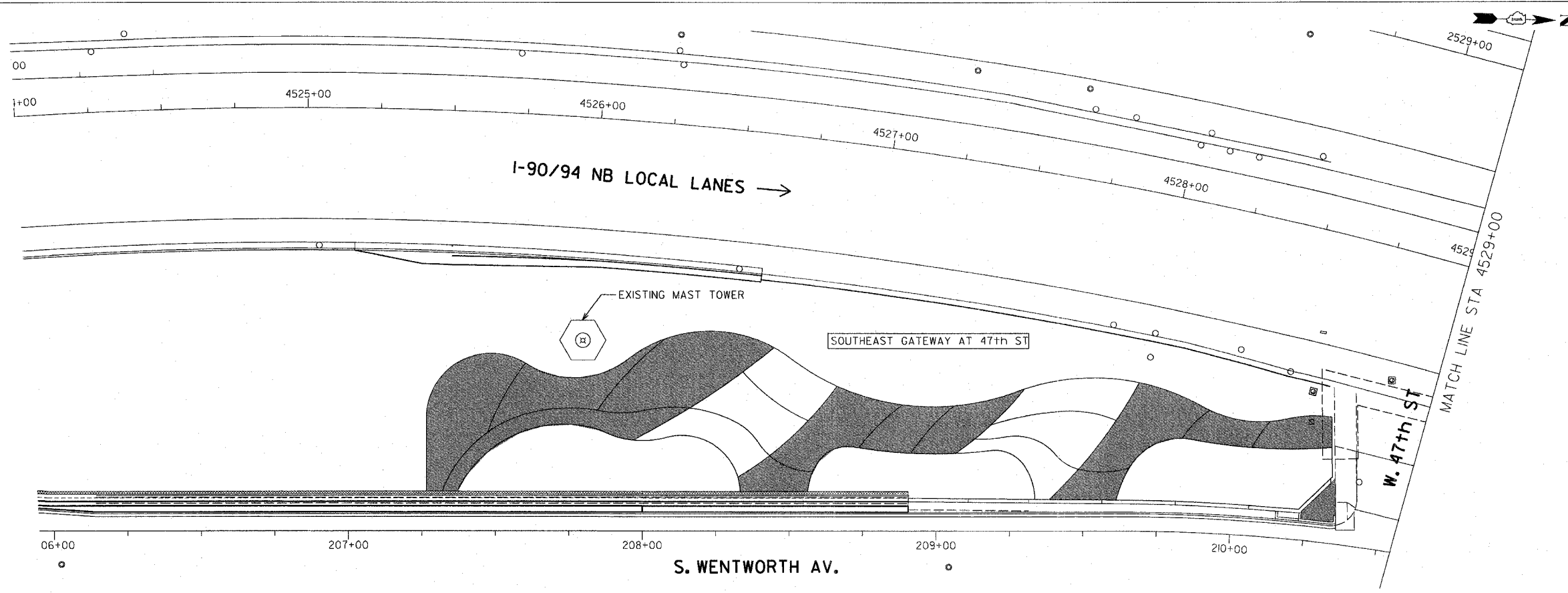
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-072 LS	COOK	38	29
STA. 4524+00	TO STA. 4534+50			
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT	
• 0818, ETC, 2324, 6-IP1R-8			60A78	

LEGEND:

AREA TO BE IRRIGATED

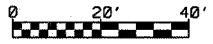
NOTES:

1. ALL PERENNIAL AND SHRUB BEDS SHALL BE IRRIGATED.
2. FOR IRRIGATION SERVICE DETAILS SEE WATER SERVICE LINE PLANS.



SITE DESIGN GROUP

REVISIONS	
NAME	DATE



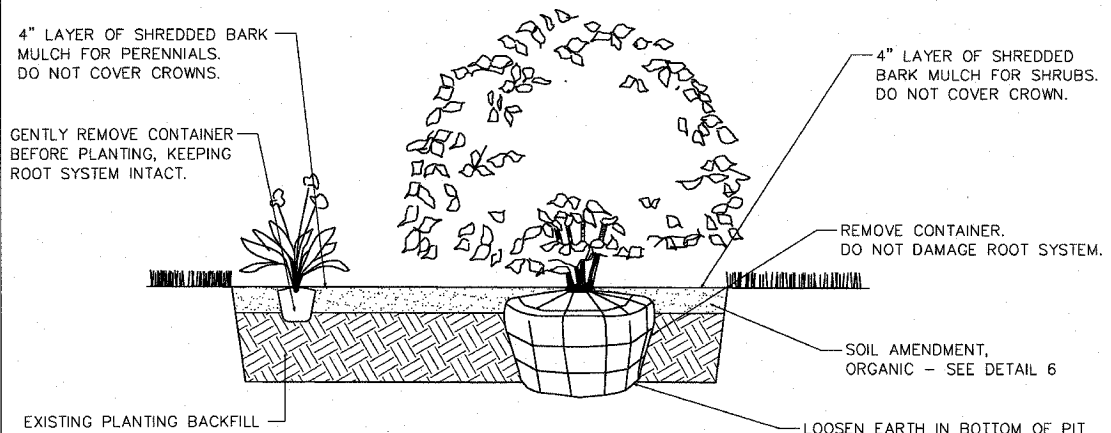
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 47TH STREET GATEWAY LANDSCAPING AND IRRIGATION
 IRRIGATION PLANS

SCALE: 1"=20'
 DATE: May 2, 2008

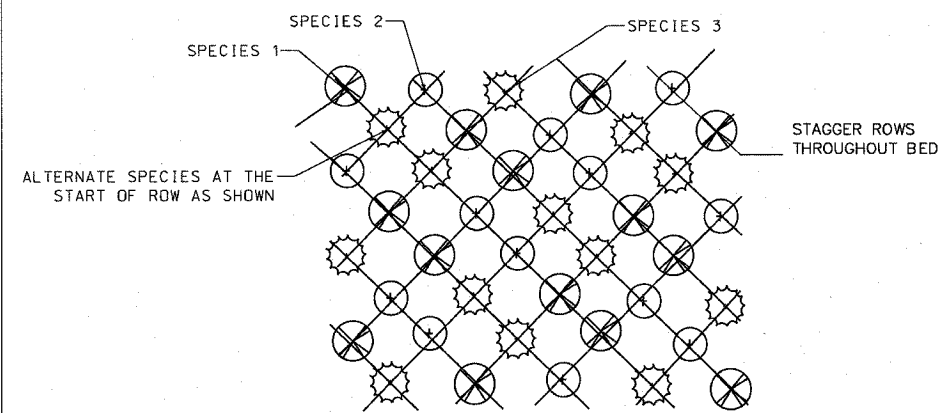
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 CHECKED BY: JO

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DATE\$

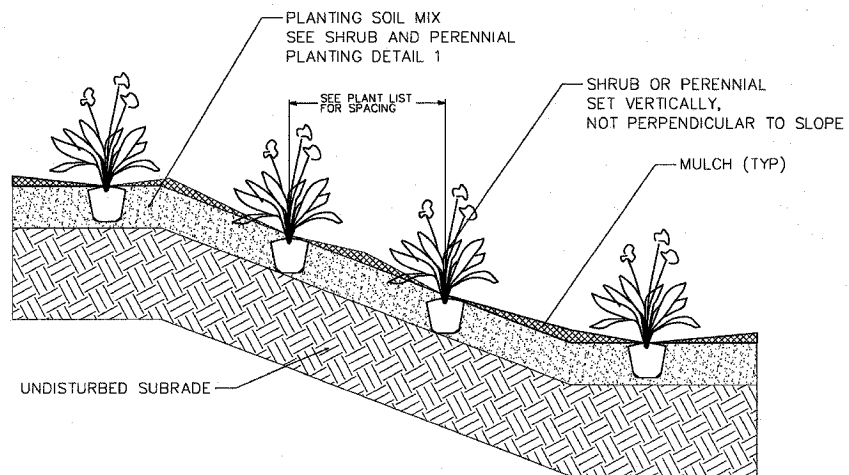


1 SHRUB AND PERENNIAL PLANTING DETAIL
NOT TO SCALE

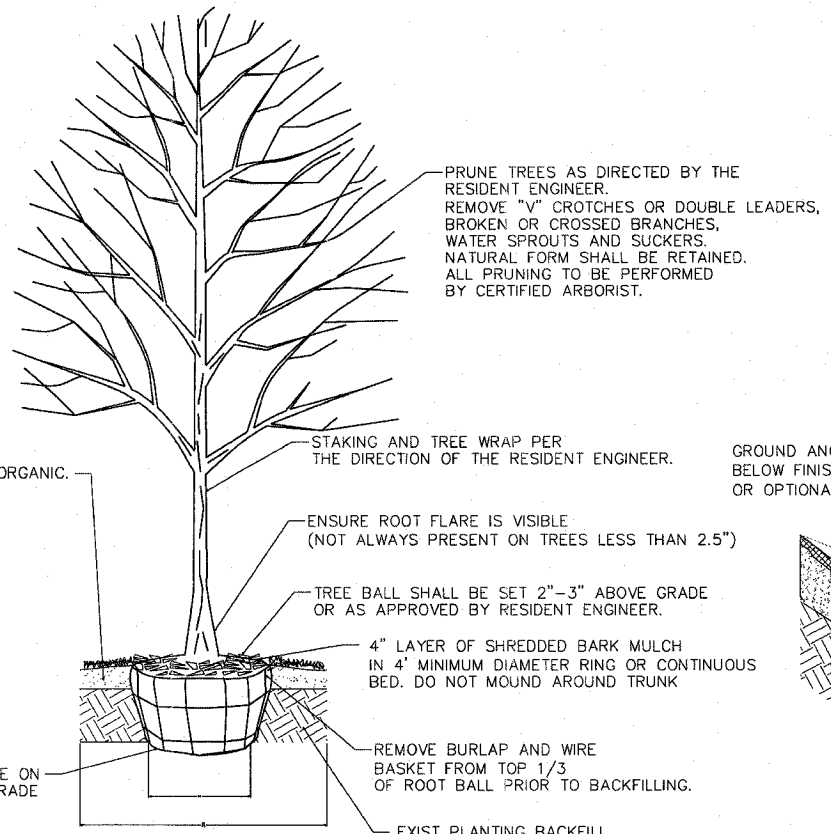


NOTE: PERENNIAL SPACING AND SPECIES VARIES - SEE PLANT SCHEDULES/REMARKS.

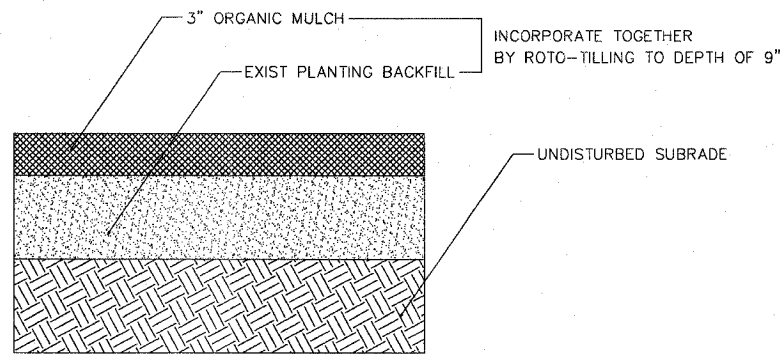
2 PERENNIAL PLANTING DETAIL (3 VARIETIES)
NOT TO SCALE



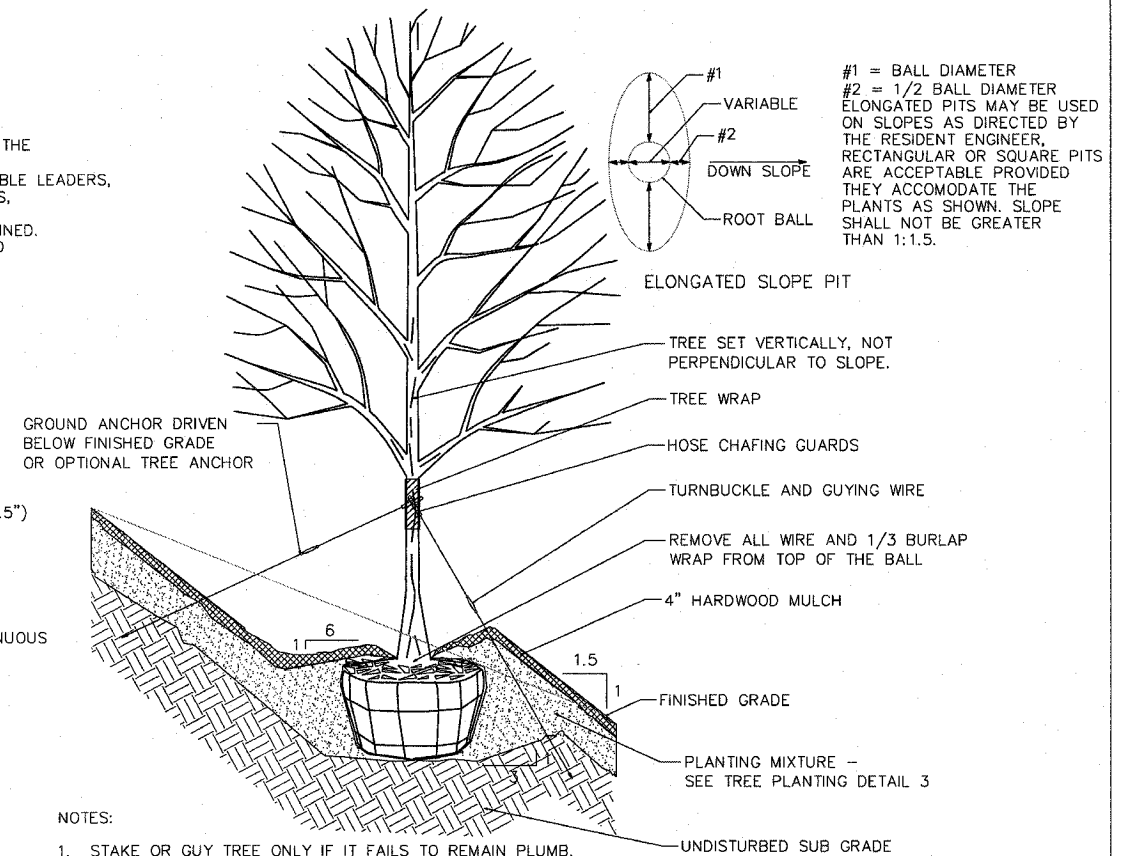
5 SHRUB/PERENNIAL PLANTING ON SLOPE DETAIL
NOT TO SCALE



3 TREE PLANTING DETAIL
NOT TO SCALE



6 SOIL AMENDMENT, ORGANIC DETAIL
NOT TO SCALE



NOTES:

1. STAKE OR GUY TREE ONLY IF IT FAILS TO REMAIN PLUMB.
2. METHOD TO BE APPROVED BY THE RESIDENT ENGINEER.

4 TREE PLANTING ON SLOPE DETAIL
NOT TO SCALE

NOTES:

1. PLANT QUANTITIES SHOWN ON DRAWINGS ARE FOR CONTRACTOR'S CONVENIENCE IN ESTIMATING ONLY. CONTRACTOR IS RESPONSIBLE FOR PROVIDING PLANT MATERIALS SUFFICIENT TO COVER AREAS SHOWN ON PLANS AT THE SPACINGS INDICATED.
2. PLANTINGS SHALL CONFORM TO CITY OF CHICAGO CODES AND SPECIFICATIONS.
3. CONTRACTOR SHALL PERFORM DUE DILIGENCE IN LOCATING SPECIFIED PLANT MATERIAL.
4. NO SUBSTITUTIONS OF PLANT MATERIAL, QUANTITIES OR SIZES UNLESS APPROVED BY RESIDENT ENGINEER.
5. LAYOUT TO BE APPROVED BY RESIDENT ENGINEER PRIOR TO PLANTING.
6. MULCH TO BE APPLIED EVENLY TO PLANTING BED, DO NOT COVER CROWNS OF PLANTS OR MOUND AT TRUNK.
7. TREE PLANTING METHOD SHALL BE APPROVED BY RESIDENT ENGINEER PRIOR TO FULL SCALE INSTALLATION.
8. CONTRACTOR MAY BACKFILL TREE PITS WITH EXIST EXCAVATED EARTH FROM PIT EXCEPT WHERE UNSUITABLE SOILS AND/OR CLAY IS ENCOUNTERED. CONTRACTOR SHALL HAUL OFF AND PROPERLY DISPOSE OF ANY UNSUITABLE SOILS AND/OR CLAY ENCOUNTERED.

SITE DESIGN GROUP

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
47TH STREET GATEWAY LANDSCAPING AND IRRIGATION
LANDSCAPE DETAILS

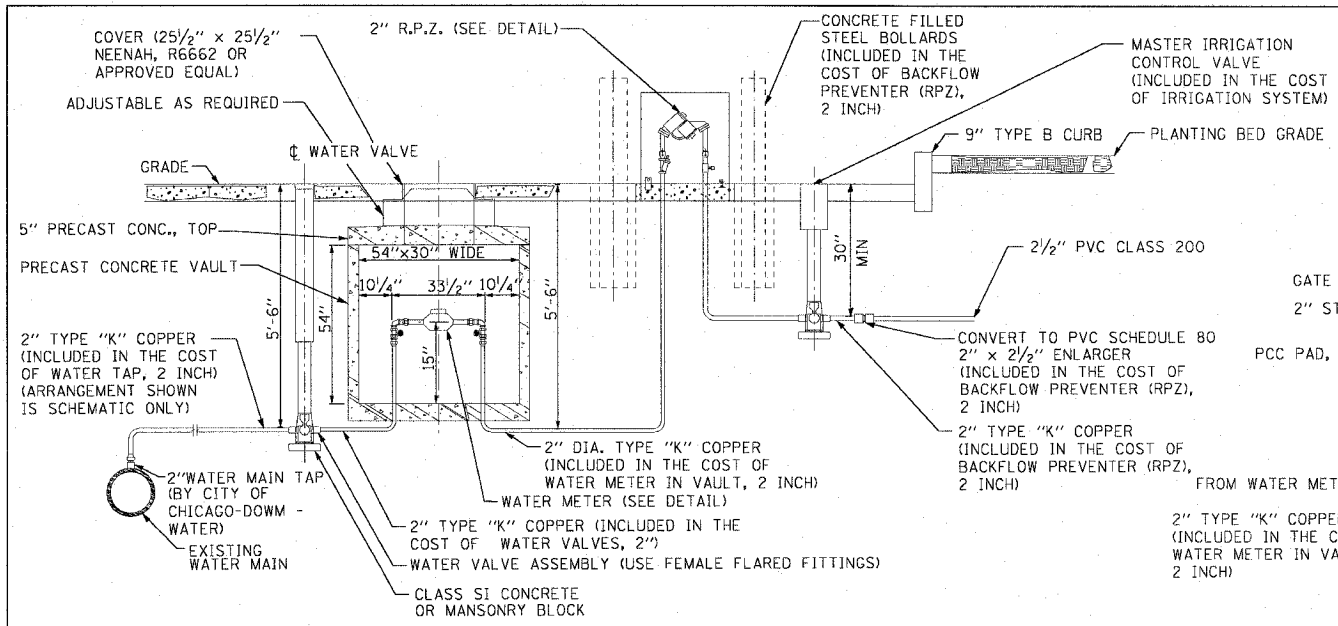
SCALE: NTS
DATE: May 2, 2008

DRAWN BY: EM
CHECKED BY: JO

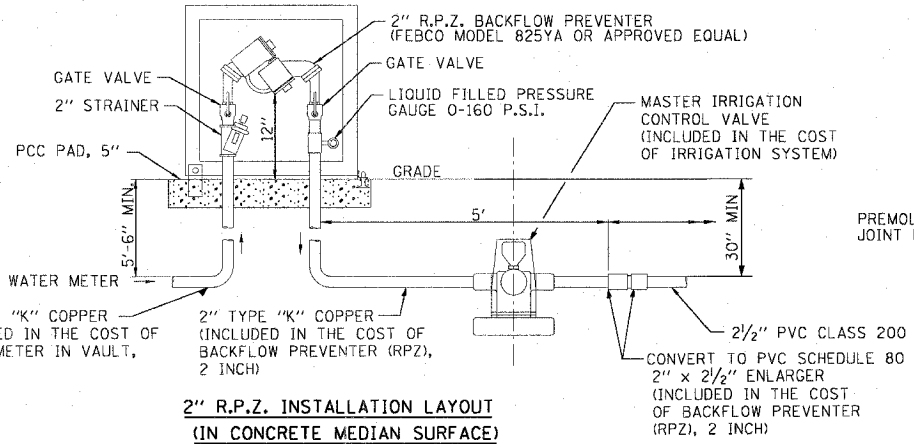
\$/FILE\$

F.A.I. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-072 LS	COOK	38	31
STA.	TO STA.			
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

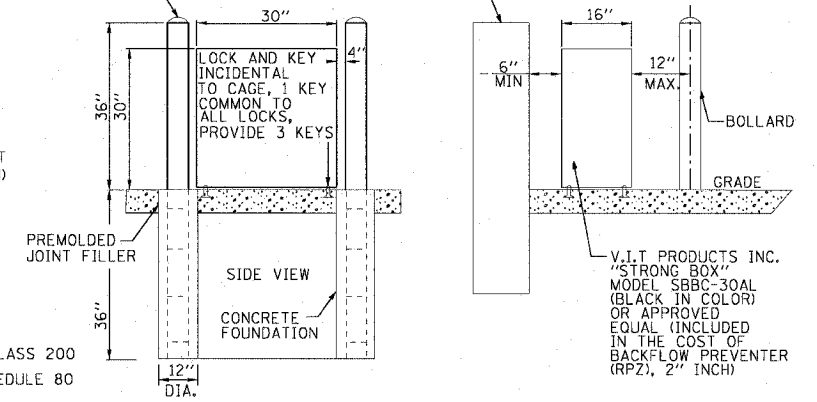
60A78



TYPICAL METER INSTALLATION FOR 2" WATER SERVICE WITH BACK FLOW PREVENTER



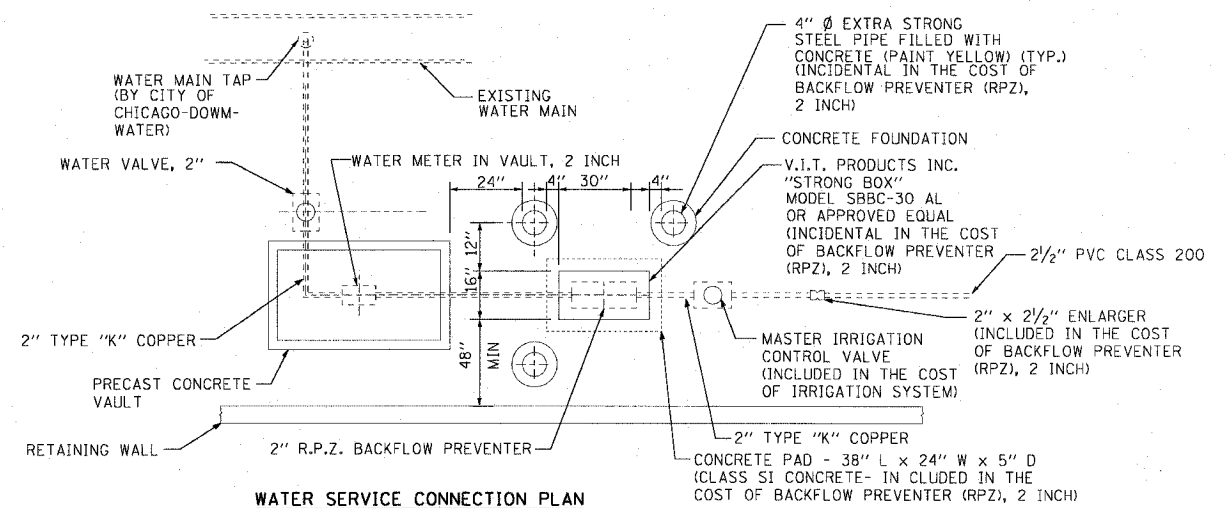
2" R.P.Z. INSTALLATION LAYOUT (IN CONCRETE MEDIAN SURFACE)



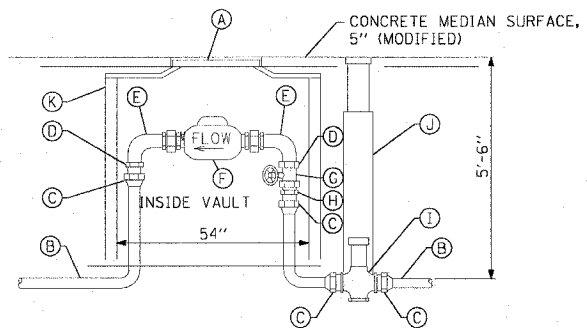
DETAIL OF BACKFLOW PREVENTER ENCLOSURE AND BOLLARDS

TO PROTECT WATER SYSTEM FROM FREEZING

1. SHUTOFF WATER AT ROADWAY.
2. REMOVE AND STORE RPZ AND KEEP FROM FREEZING.
3. OPEN LAWN HYDRANT AND LOOSEN METER NUT.
4. BLOWOUT WATER LINES FROM RPZ TO METER AND FROM RPZ TO LAWN HYDRANT.
5. IN SPRING REINSTALL RPZ AND HAVE RPZ TESTED BY LICENSED PERSONAL WITH A PERMIT FROM ROOM 900 CITY HALL.
6. EACH RPZ MUST BE IDENTIFIED OR NUMBERED SO THAT RPZ WILL BE REINSTALLED IN THE SAME LOCATION AT ALL TIMES.
7. EACH LAWN HYD. HOSE CONNECTION MUST BE MARKED "NON POTABLE WATER DO NOT DRINK".



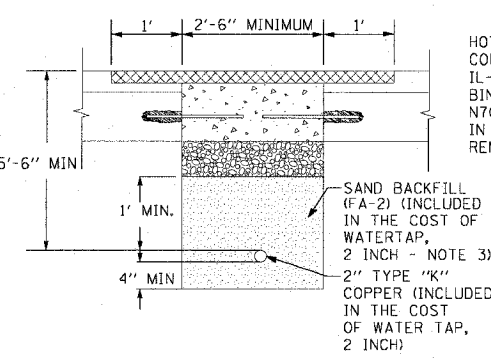
WATER SERVICE CONNECTION PLAN (WATER METER IN CONCRETE MEDIAN SURFACE)



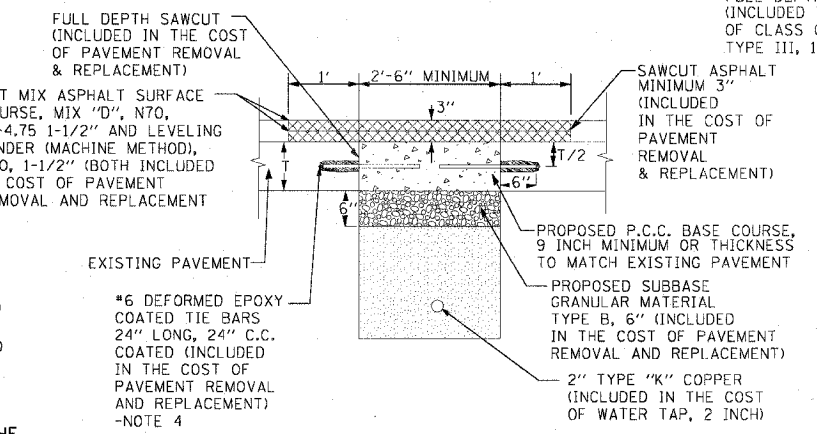
NEW COPPER 2" WATER SERVICE STANDARD METER VAULT

A	FRAME AND LID (NEENAH R6662)
B	2" TYPE K COPPER PIPE
C	FEMALE FLARED FITTING
D	BRASS BUSHING
E	BENT METER COUPLING
F	METER
G	FULL PORT CONTROL VALVE
H	MALE I.P.S. TO FLARED ADAPTER
I	ROUNDWAY
J	WATER VALVE ASSEMBLY
K	PRECAST CONCRETE VAULT

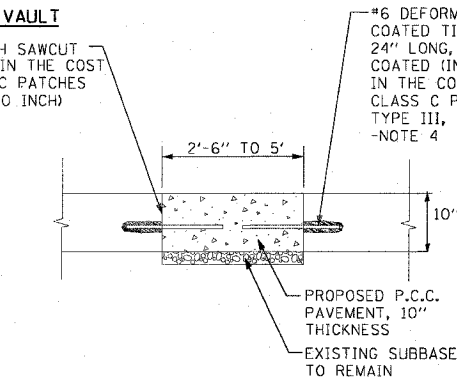
- NOTES:**
1. ALL TIE BARS AND DOWEL BARS TO BE EPOXY COATED (INCLUDED IN THE COST OF PAVEMENT REMOVAL AND REPLACEMENT).
 2. ADDITIONAL ONE FOOT(1') OF BITUMINOUS SURFACE REMOVAL ON EITHER SIDE OF CONCRETE PATCH SHALL BE REMOVED PRIOR TO PLACING BITUMINOUS SURFACE COURSE.
 3. PIPE BEDDING, TAMPED IN PLACE 4" MINIMUM UNDER PIPE AND 1'-0" ABOVE TOP OF PIPE. SHALL BE WELL SPADED ON BOTH SIDES OF PIPE.
 4. DOWEL BARS MAY BE DELETED SUBJECT TO APPROVAL BY ENGINEER.



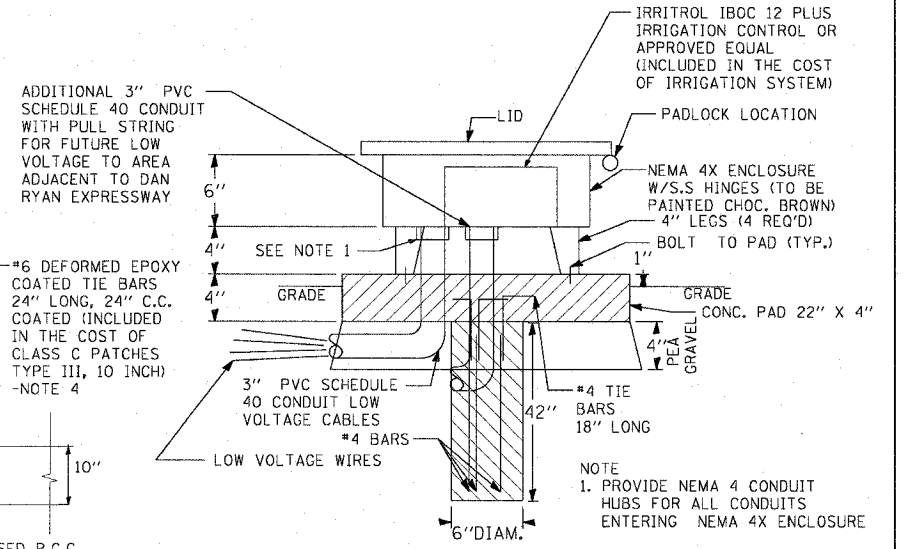
2" TYPE "K" COPPER PIPE (INCLUDED IN THE COST OF WATER TAP, 2 INCH) - PAVEMENT SECTION



PAVEMENT REMOVAL & REPLACEMENT



CLASS C PATCHING TYPE III



IRRIGATION CONTROLLER NEMA 4X ENCLOSURE - DETAIL N.T.S.

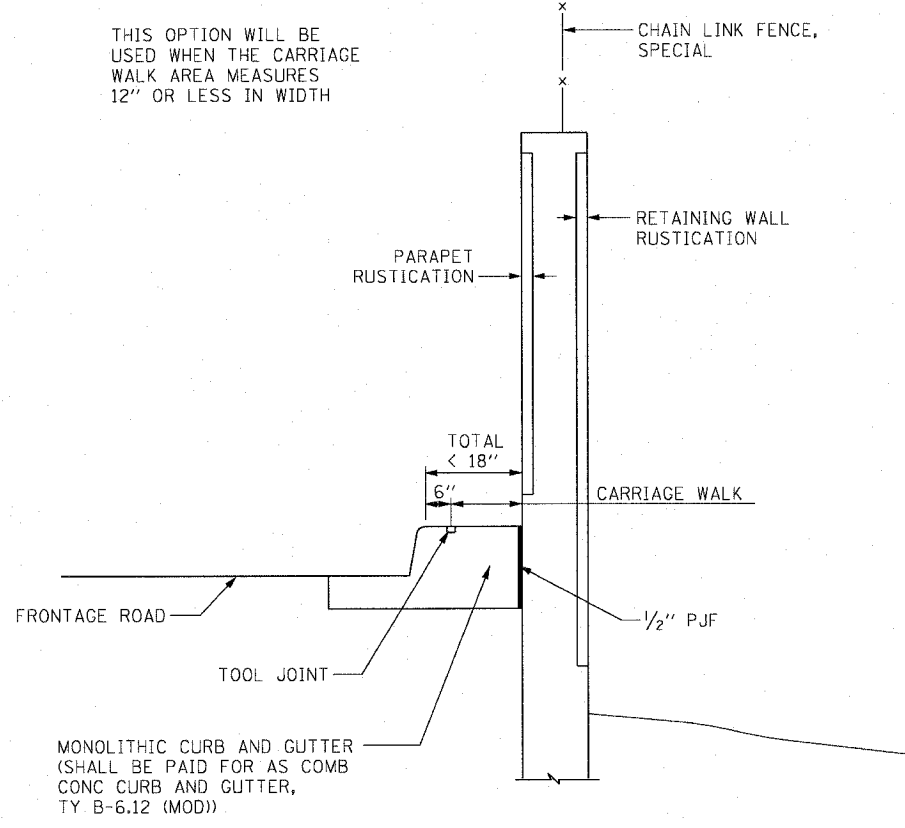
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 47TH STREET GATEWAY LANDSCAPING AND IRRIGATION
 CONSTRUCTION DETAILS
 PLANTING BEDS - STANDARD METER VAULTS,
 WATER SERVICE INSTALLATION, AND PAVEMENT
 REMOVAL AND REPLACEMENT DETAILS
 SCALE: NONE DRAWN BY: JF
 DATE: MAY 02, 2008 CHECKED BY: BFB

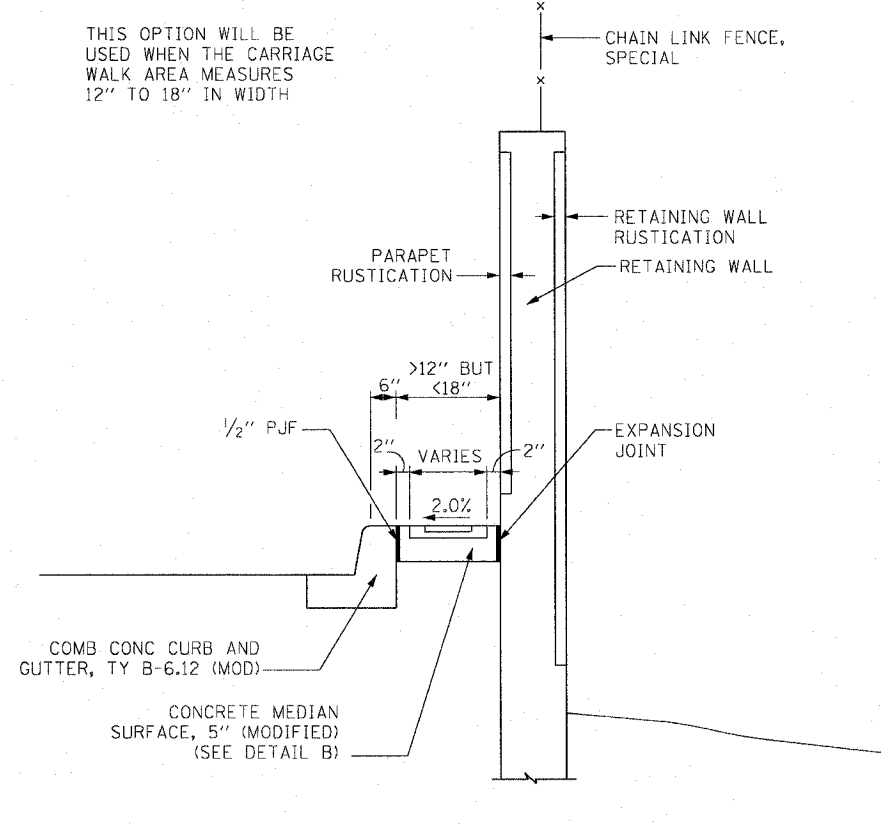
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F.A.I. RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-072 LS	COOK	38	32
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

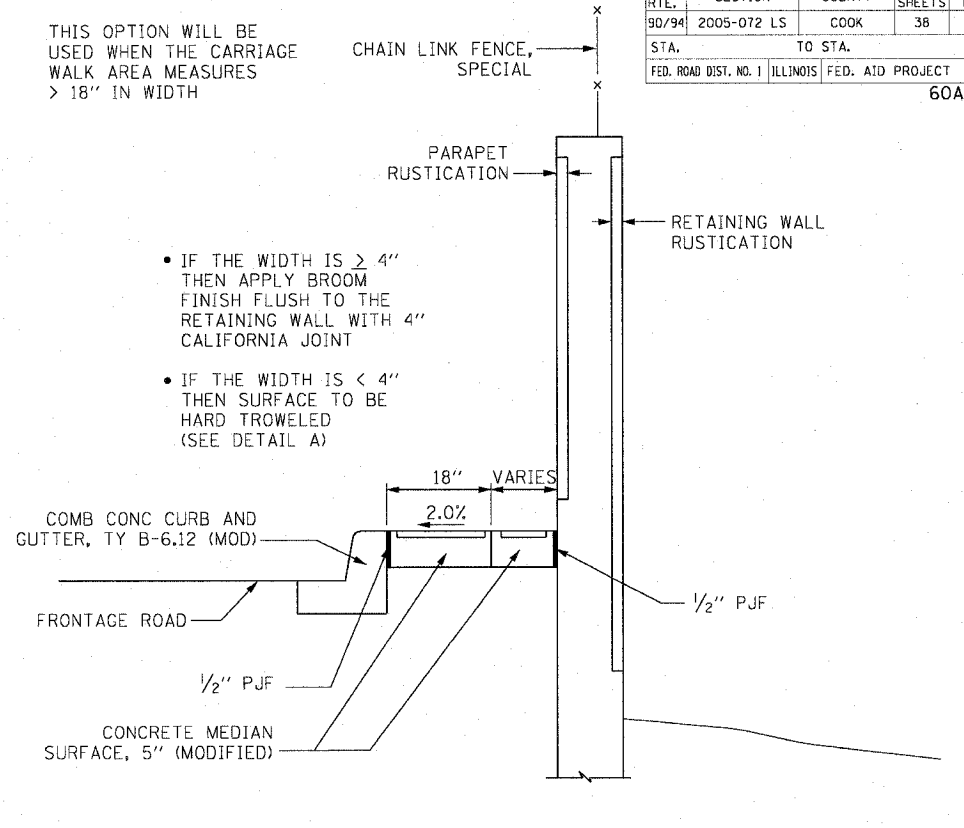
60A78



CARRIAGE WALK
AREA < 12" WIDE

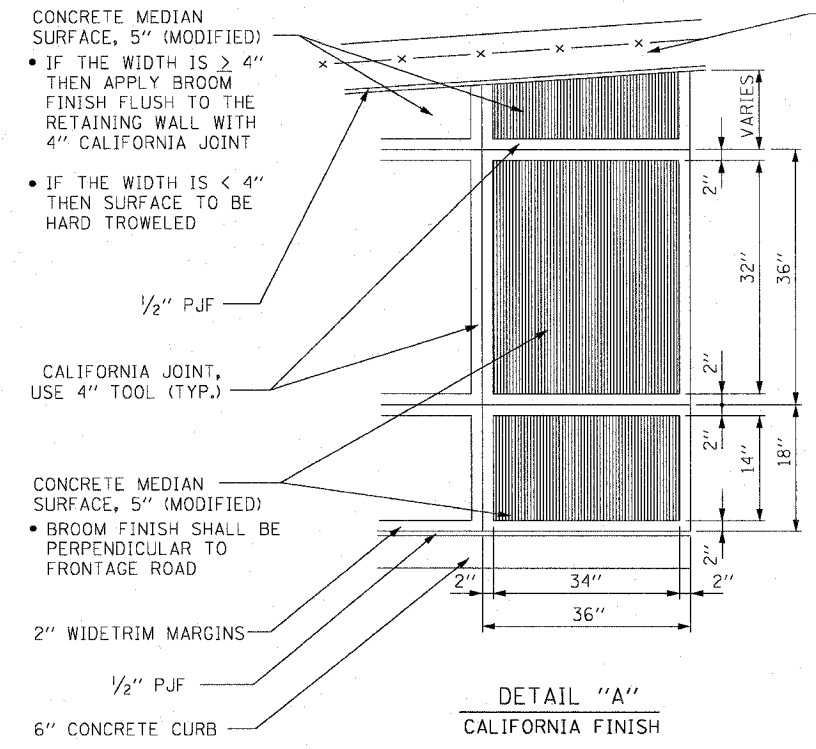


CARRIAGE WALK
AREA 12" TO 18" WIDE

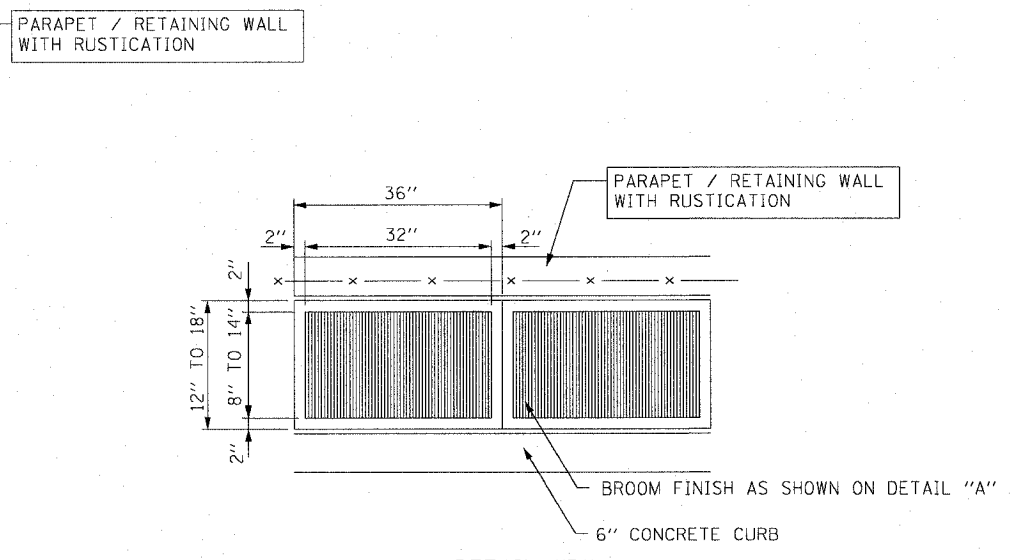


CARRIAGE WALK
AREA > 18" WIDE

- IF THE WIDTH IS $\geq 4"$ THEN APPLY BROOM FINISH FLUSH TO THE RETAINING WALL WITH 4" CALIFORNIA JOINT
- IF THE WIDTH IS $< 4"$ THEN SURFACE TO BE HARD TROWELED (SEE DETAIL A)



DETAIL "A"
CALIFORNIA FINISH



DETAIL "B"
CALIFORNIA FINISH

REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)

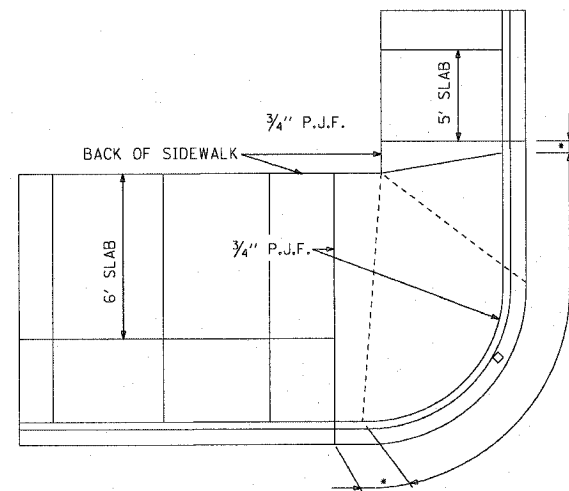
47TH STREET GATEWAY LANDSCAPING AND IRRIGATION

CONSTRUCTION DETAILS
CONCRETE MEDIAN SURFACE, 5" (MODIFIED)
CARRIAGE WALK AND CALIFORNIA FINISH DETAIL

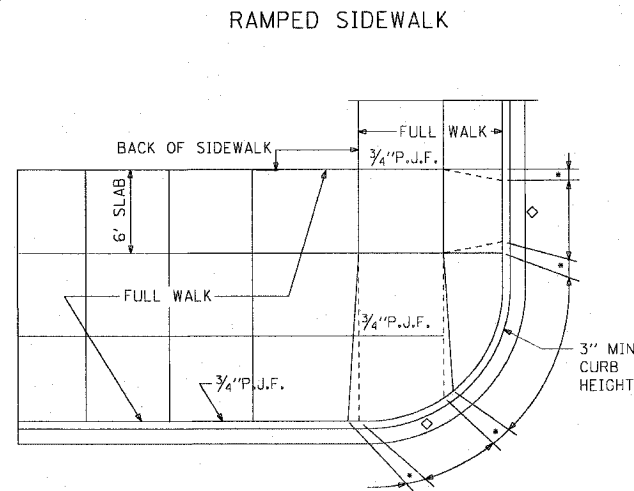
SCALE: NONE
DATE: MAY 02, 2008

DRAWN BY: PHP
CHECKED BY: NJH

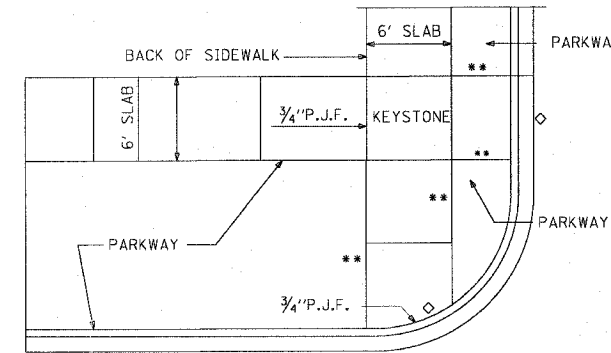
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TYPICAL RAMP WITH FULL WALK
10 FEET WIDE OR LESS



TYPICAL RAMP WITH FULL WALK
GREATER THAN 10 FEET WIDE

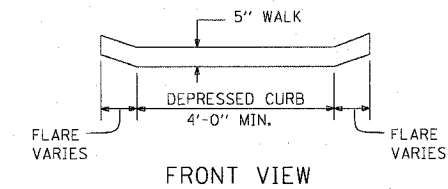


TYPICAL RAMP ADJACENT TO PARKWAY

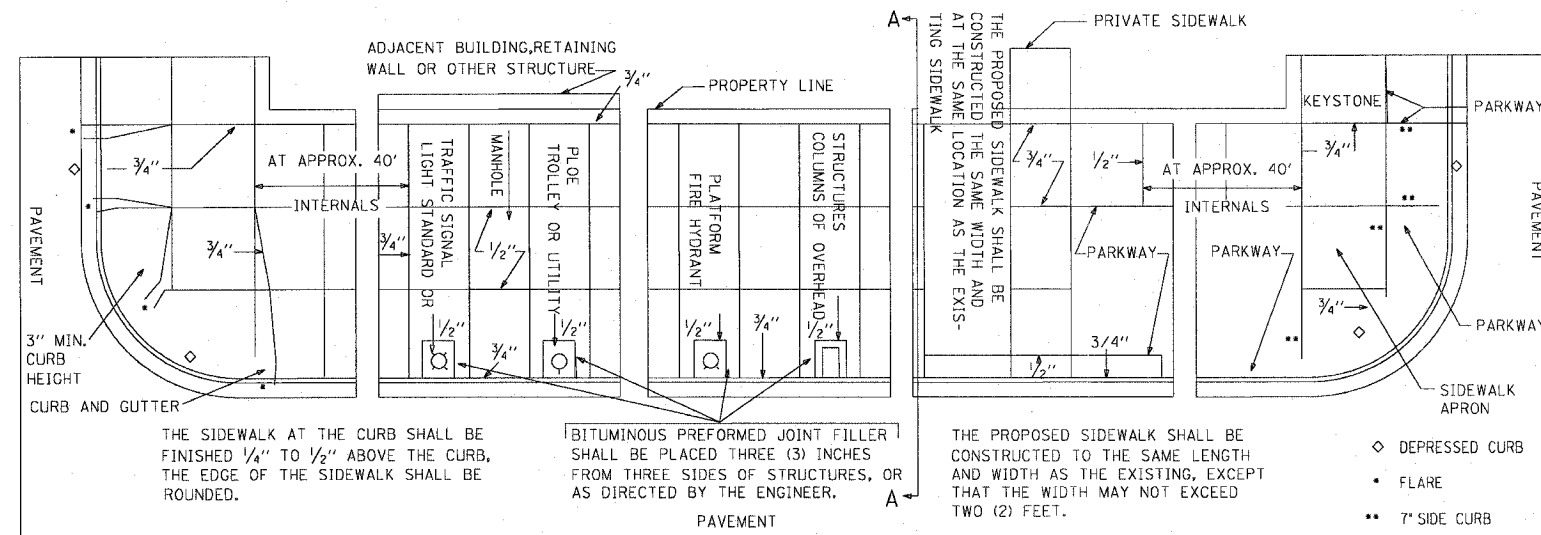
RAMP SLOPE
DESIRABLE MAXIMUM 1" PER FOOT
ABSOLUTE MAXIMUM 1 1/2" PER FOOT

* FLARE SLOPE
DESIRABLE MAXIMUM 3" PER FOOT
MINIMUM WIDTH OF FLARE 1 FOOT

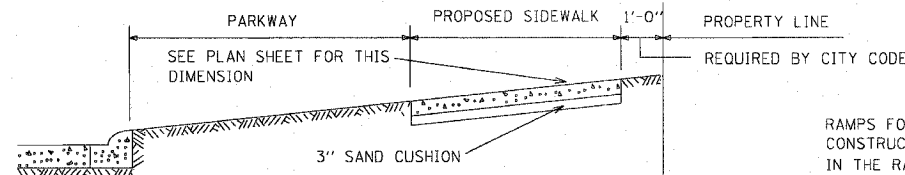
** 7" SIDE CURB



DETAILS OF PORTLAND CEMENT CONCRETE SIDEWALK CONSTRUCTION

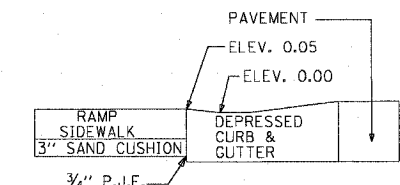


THE SLOPE FOR SIDEWALKS AND PARKWAYS REQUIRED BY THE CITY CODE IS 1" IN 3'. IF EXISTING CONDITIONS ABSOLUTELY REQUIRE, THIS SLOPE MAY BE REDUCED TO A MINIMUM OF 1" IN 4' OR INCREASED TO A MAXIMUM OF 1" IN 2'.

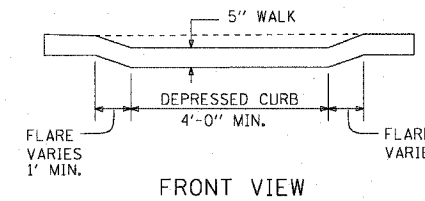


SECTION A-A

THE 1/2" AND 3/4" DIMENSIONS NOTED ON THE DRAWING REFER TO THE THICKNESS OF THE BITUMINOUS PREFORMED JOINT FILLER REQUIRED AT THE VARIOUS LOCATIONS. BITUMINOUS PREFORMED JOINT FILLER IS NOT PAID FOR SEPARATELY, BUT INCLUDED IN THE COST OF THE SIDEWALK.



TYPICAL SECTION
AT GUTTER



FRONT VIEW

LEGEND

- PREFORMED JOINT FILLER
- DUMMY JOINT
- - - SLOPE BREAKPOINT
- FLARED CURB
- ** 7" SIDE CURB
- ◇ DEPRESSED CURB

NOTES:

PREFORMED JOINT FILLER SHALL BE PLACED AS NOTED IN STANDARD DETAILS FOR SIDEWALK CONSTRUCTION.

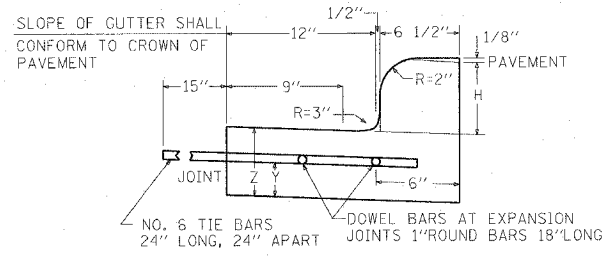
THIS STANDARD SHOULD BE CONSIDERED TYPICAL FOR MOST LOCATIONS. THERE MAY BE SPECIAL INSTANCES WHERE DESIGN CHANGES WILL BE REQUIRED.

REVISIONS	
NAME	DATE

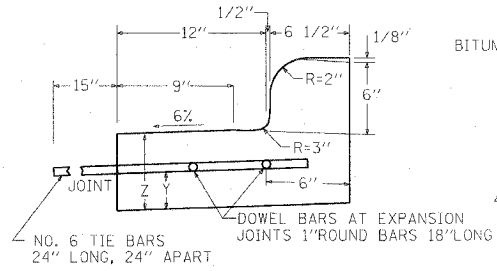
**DETAILS OF P.C.C. CURB, GUTTER,
COMBINED CURB & GUTTER, MODIFIED CURB & GUTTER**

NOTE: H = VARIABLE (SEE PLAN) WHERE H EXCEEDS 12" USE SPECIAL TYPE OF C.C.&G.
SEE CONSTRUCTION DETAILS (FOR MISCELLANEOUS STRUCTURES)
X = THICKNESS OF PAVEMENT
Y = ONE HALF THE THICKNESS OF CONCRETE PAVEMENT OR CONCRETE BASE.
Z = 10" OR THICKNESS OF PAVEMENT - WHICHEVER IS GREATER

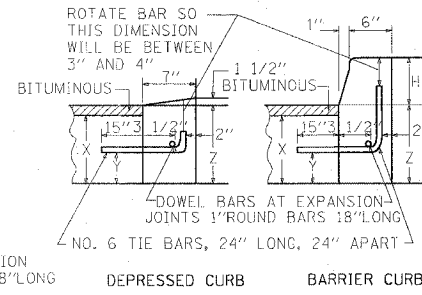
**TYPE BV.12 OR
TYPE 3 CURB & GUTTER**



TYPE B6.12 MOD



TYPE B OR TYPE 4 CURB



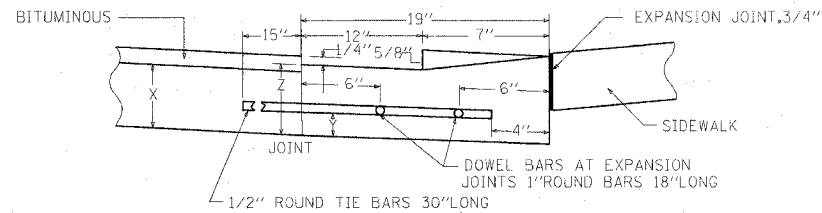
JOINTS IN CURB, GUTTER, COMBINED CURB & GUTTER

CONTRACTION JOINTS SHALL ALSO BE PLACED BETWEEN THESE EXPANSION JOINTS AT DISTANCES NOT EXCEEDING 20 FEET. ALL TIE BARS SHALL BE CORRUGATED- ALL DOWEL BARS SHALL BE SMOOTH. AND COMBINED CURB & GUTTER IN PROLONGATION WITH THE JOINTS IN THE PAVEMENT. THE DETAILS OF THE TRANSVERSE JOINTS IN THE CURB, GUTTER AND COMBINED CURB & GUTTER SHALL BE APPROVED BY THE ENGINEER. CURB, GUTTER OR COMBINED CURB & GUTTER IS CONSTRUCTED ADJACENT TO A FLEXIBLE BASE PAVEMENT, 1" THICK EXPANSION JOINTS COMPOSED OF BITUMINOUS PREFORMED JOINT FILLER SHALL BE INSTALLED IN THE CURB AND/OR GUTTER AT POINTS OF CURVATURE AND AT CONSTRUCTION JOINTS. TRANSVERSE JOINTS OF A TYPE SIMILAR TO THAT USED IN THE ADJACENT PAVEMENT SHALL BE INSTALLED IN THE CURB, GUTTER

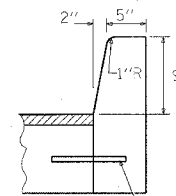
BASIS OF PAYMENT

THE COST OF ALL JOINTS, TIE BARS, INCLUDING LABOR, FURNISHING AND PLACING OF STEEL, FILLER AND ALL OTHER INCIDENTALS SHALL BE INCLUDED IN THE UNIT PRICES BID FOR TYPE B-V.12 OR TYPE 3 COMBINED CONCRETE CURB AND GUTTER, TYPE 4 OR TYPE B CONCRETE CURB OR ANY SPECIFIED SPECIAL TYPE OF CURB, GUTTER OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

DEPRESSED CURB & GUTTER



IF NO ITEM IS PROVIDED FOR DEPRESSED CURB AND GUTTER, IT WILL BE PAID FOR AS TYPE B-V.12 OR TYPE 3 COMBINATION CONCRETE CURB AND GUTTER.



NO. 6 TIE BAR, 12" LONG @ 24" CENTERS

**CONCRETE CURB
TYPE B (SPECIAL)**

MOUNTABLE CURB GENERAL NOTES

LONGITUDINAL JOINT TIE BARS SHALL BE NO. 6 AT 24" CENTERS IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001.

CONTRACTOR SHALL FOLLOW STANDARD 606001 FOR GENERAL NOTES AND PROCEDURES.

REVISIONS	
NAME	DATE

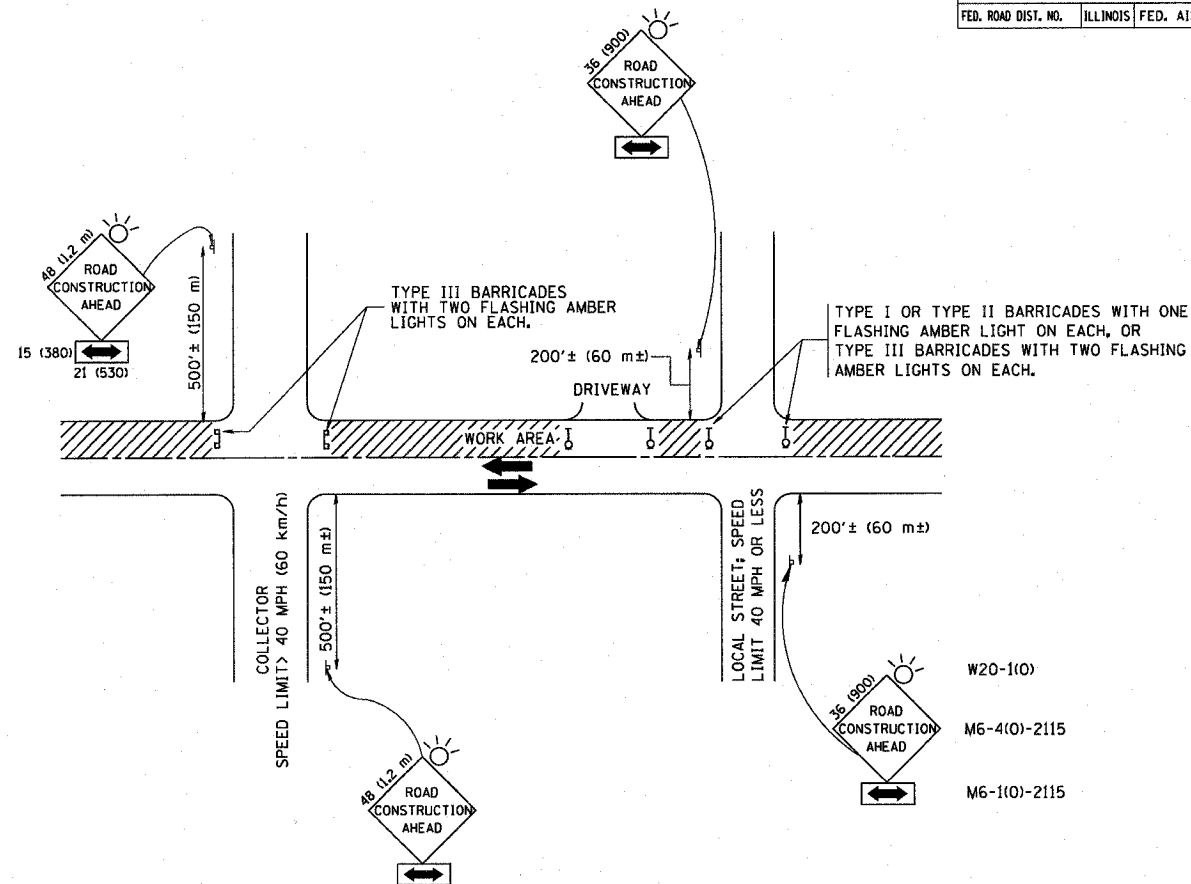
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
47TH STREET GATEWAY LANDSCAPING AND IRRIGATION

**CONSTRUCTION DETAILS
CURB AND GUTTER DETAILS**

SCALE: NONE DRAWN BY: MK
DATE: MAY 02, 2008 CHECKED BY: RMG

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-07243	COOK	38	35
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS**
- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) 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.
 - SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) 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.
 - 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.**

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

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: NONE

DRAWN BY
 CHECKED BY
 TC-10

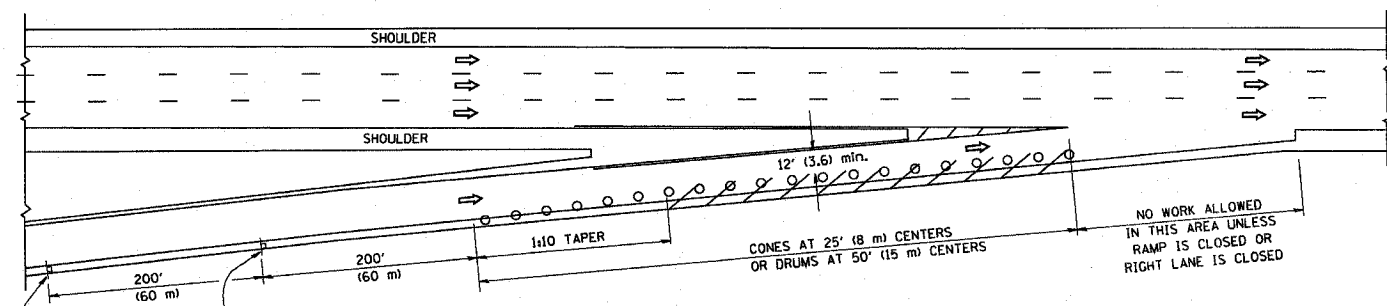
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/1A	2005-072 LS	Cook	38	36
STA. TO STA.		ILLINOIS FED. AID PROJECT		

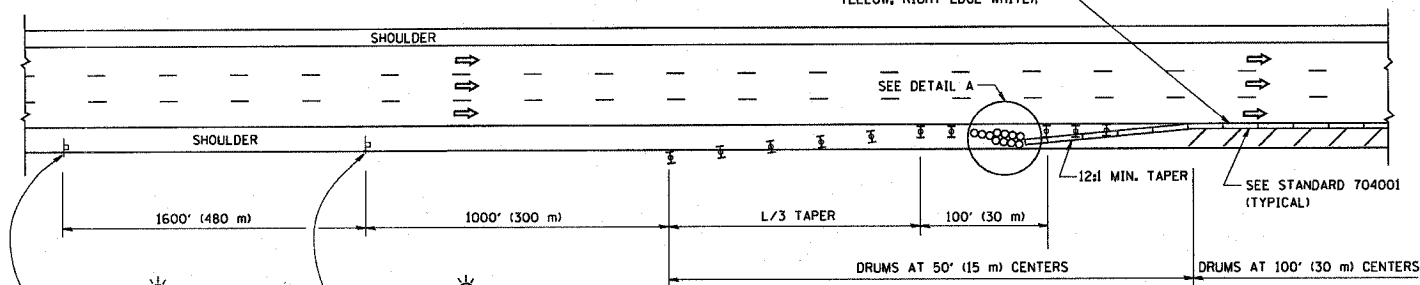
PARTIAL RAMP CLOSURE DETAILS

SHOULDER CLOSURE DETAILS

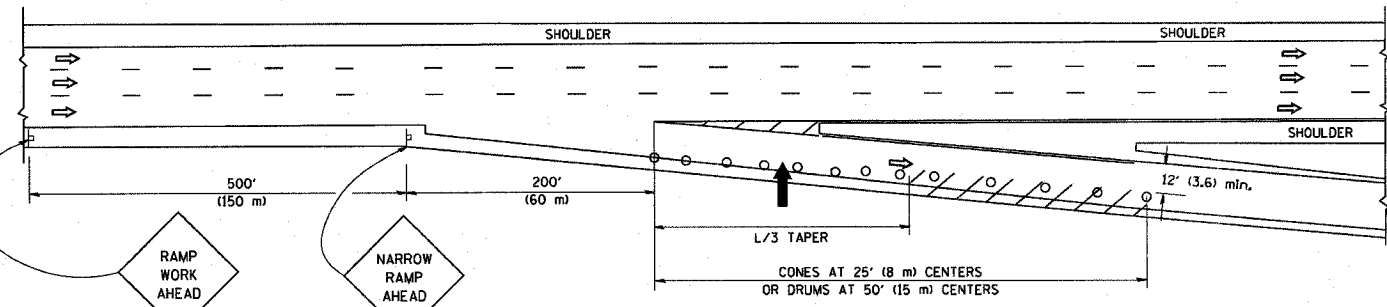
REFLECTIVE 6 (150) EDGE LINE ON LOWER SLOPE OF WALL (LEFT EDGE YELLOW, RIGHT EDGE WHITE)



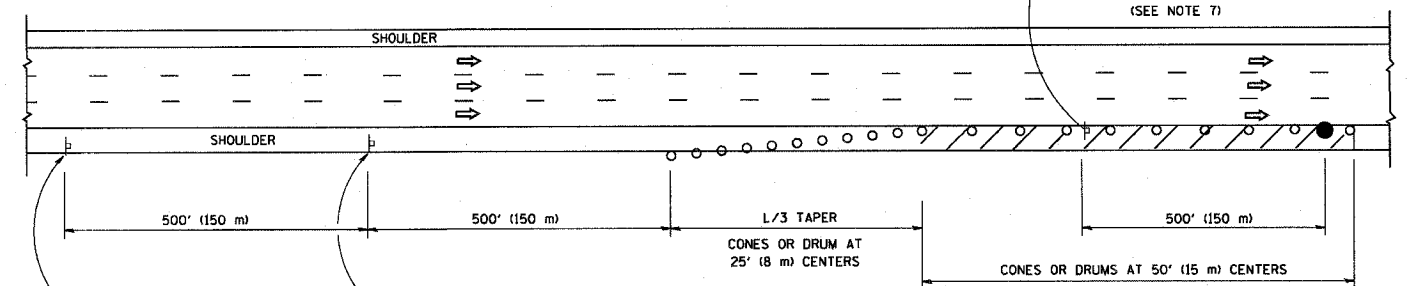
TYPICAL ENTRANCE RAMP



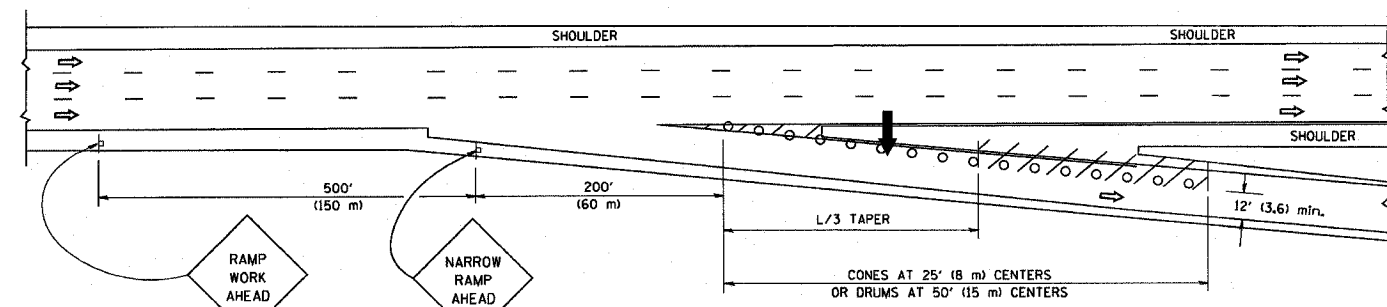
PERMANENT SHOULDER CLOSURE



TYPICAL EXIT RAMP



DAYTIME SHOULDER CLOSURE



TYPICAL EXIT RAMP

OR WHEN SPECIFIED INSTALL TEMPORARY CONCRETE BARRIER WALL WITH BARRIER WALL REFLECTORS PER TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)

THIS DETAIL IS USED WHERE:
1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCRANCH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.

ARRAY DESIGN PER MANUFACTURER TO BE NCHRP 350 COMPLIANT FOR POSTED SPEED.

DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY (SEE NOTE 5)

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

SYMBOLS

- ARROWBOARD
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE

GENERAL NOTES

1. THE "L" DISTANCE EQUALS:
SPEED LIMIT FORMULAS
45 mph (80 km/h) METRIC ENGLISH
OR GREATER: $L=0.65(W)/S$ $L=(W)/S$
W = WIDTH OF OFFSET IN FEET (METERS)
S = NORMAL POSTED SPEED MPH (KM/H)
2. PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.
5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE "TRAFFIC BARRIER TERMINAL, TYPE III, TEMPORARY" DEVICE TO MEET NCHRP350 FOR POSTED SPEED.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK ACTIVITY REQUIRES FREQUENT ENCRANCHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.

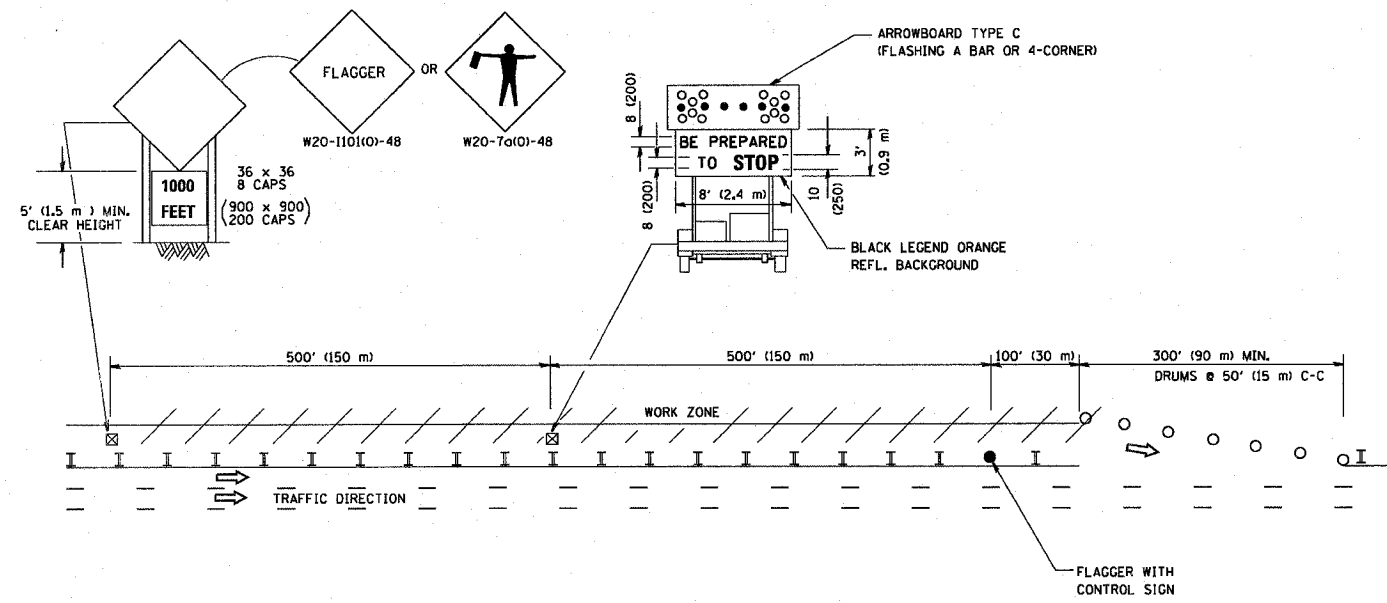
REVISIONS	
NAME	DATE
DWS	11/96
JAF	12/02
NCHRP 350	04/03
JAF	2/06
SPB	1/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL DETAILS
FOR FREEWAY
SHOULDER CLOSURES
PARTIAL RAMP CLOSURES
DESIGNED BY: DWS
DRAWN BY:
CHECKED BY:
SCALE: NONE
TC-17

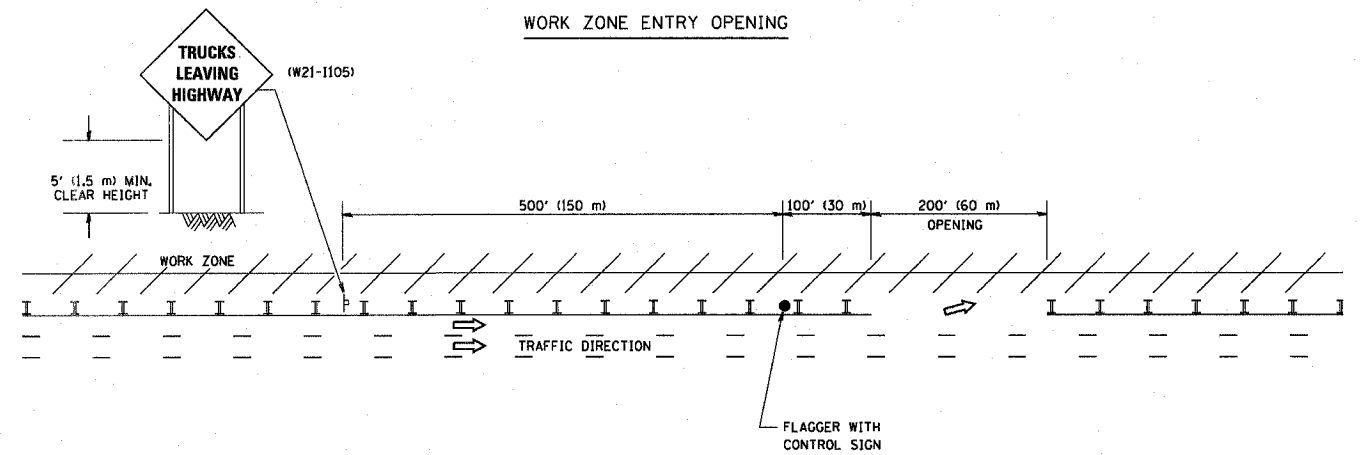
PLOT DATE: 3/7/2007
 FILE NAME: K:\dashed\td17.dgn
 PLOT SCALE: 1/8"=1'-0"
 USER NAME: bward

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



NOTES:

1. The Arrowboard, the Flagger Ahead trailer mounted sign, and the Trucks Leaving Highway sign shall be removed or turned away from traffic and the exit and entry openings shall be closed when the flagging operation ceases.
2. Work Zone Exit Openings should be a minimum of one half mile apart.
3. Exiting the work zone at any place other than at a Work Zone Exit Opening will be prohibited.
4. All vehicles shall enter the work zone at entry openings, using their turn signals to warn motorists

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

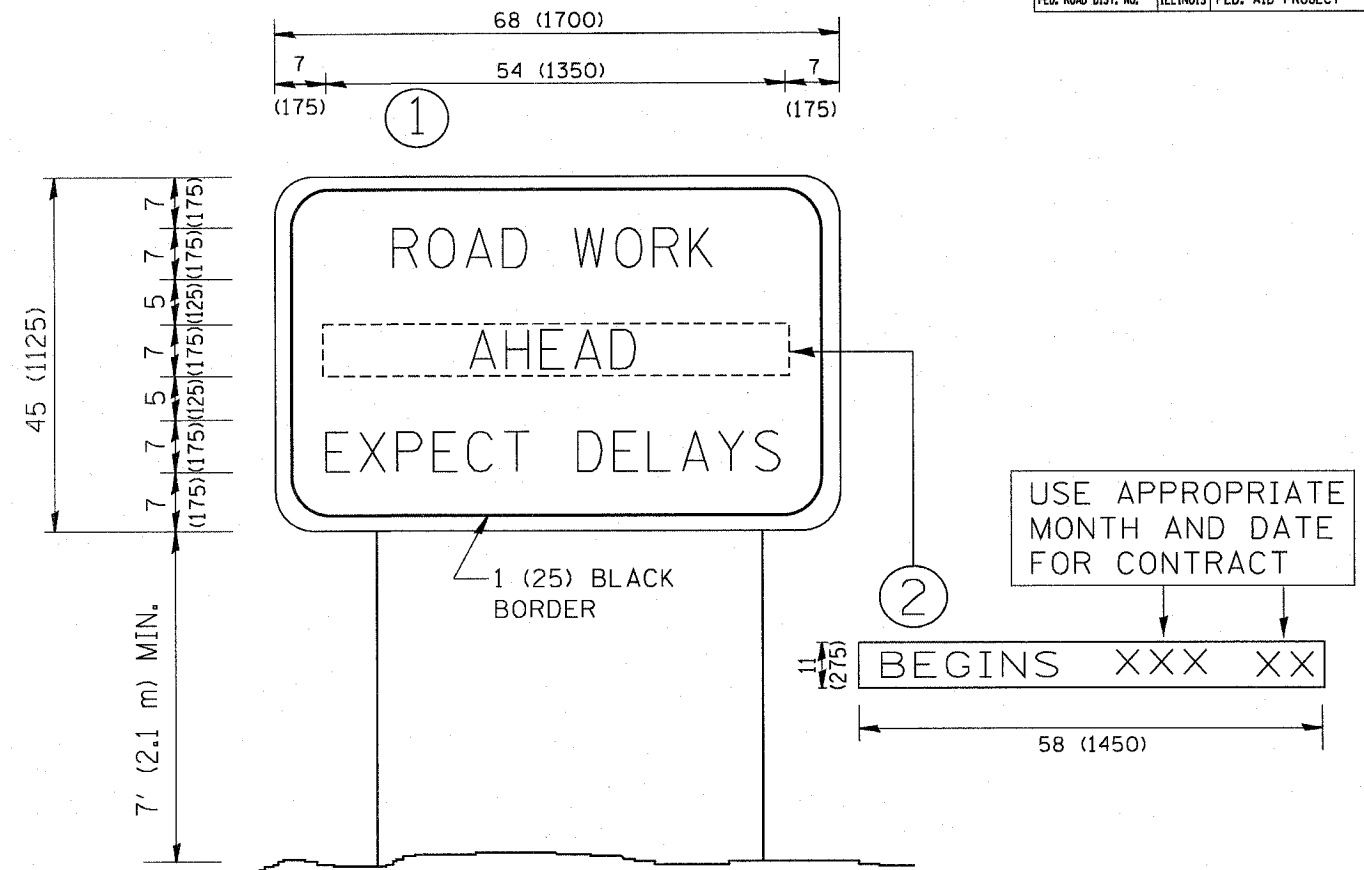
REVISIONS	
NAME	DATE
DWS	8/98
JAF	4/03
JAF	2/06
SPB	1/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

SCALE: NONE

DRAWN BY CADD
CHECKED BY
TC-18

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90	2005-072 LS	Cook	38	38
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

REVISIONS	
NAME	DATE
R. MIRS	9-15-97
R. MIRS	12-11-97
T. RAMMACHER	2-2-99
C. JUCIUS	1-31-07

ILLINOIS DEPARTMENT OF TRANSPORTATION
**ARTERIAL ROAD
INFORMATION SIGN**

SCALE: NONE

DRAWN BY DESIGN
CHECKED BY
TC22

PLOT DATE = 3/6/2007
FILE NAME = K:\distr\0222.dgn
PLOT SCALE = 60,000 / IN.
USER NAME = bauprdl