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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)

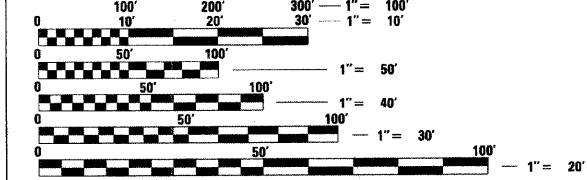
	ADT (2020)	DESIGN SPEED	POSTED SPEED
I-90/94:			
NB LOCAL LANES	71,230	60	45
SB LOCAL LANES	71,715	60	45

RAMPS:

RAMP	ADT	DESIGN SPEED	POSTED SPEED
RAMP 47C	7,600	40	30
RAMP 47D	5,000	40	30

FRONTAGE ROADS:

ROAD	ADT	DESIGN SPEED	POSTED SPEED
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

STATE OF ILLINOIS

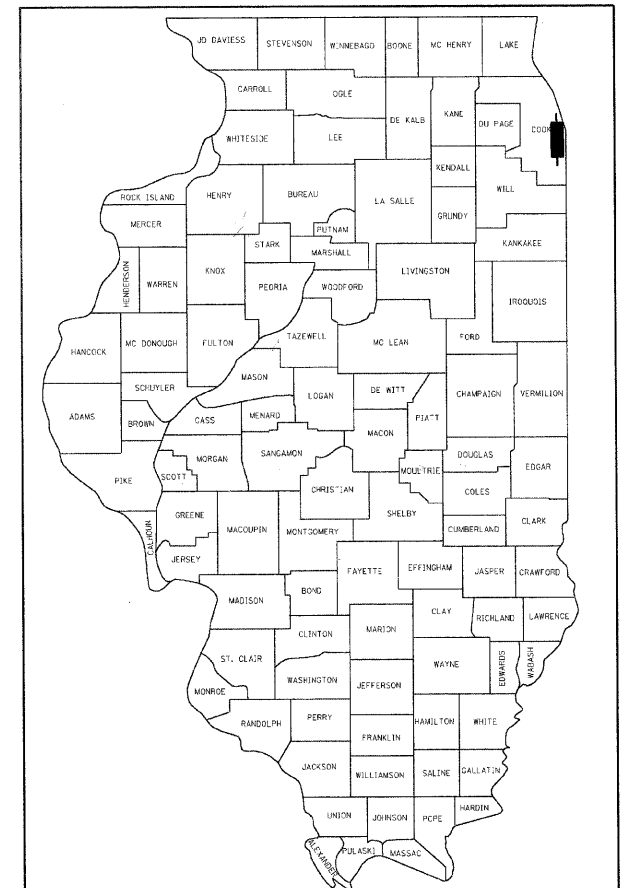
DEPARTMENT OF TRANSPORTATION

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



LOCATION OF SECTION INDICATED THUS: - [Symbol] -

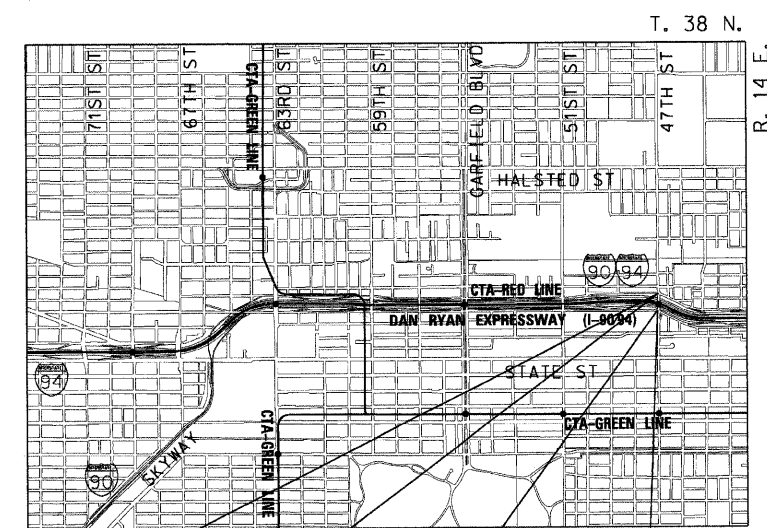
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED April 30, 2008

Diana M. O'Keefe
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

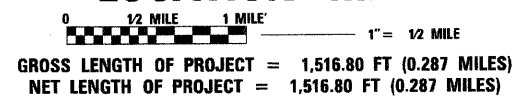
June 27, 2008
Eric E. Haarm
 INTERIM ENGINEER OF DESIGN AND ENVIRONMENT

June 27, 2008
Christine M. Reed
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER



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



DISTRICT ONE DESIGN/CONSULTANT SERVICES PROJECT MANAGER
 RAJENDRA SHAH (847) 705-4555

ROBERT M. COVATTA
 062-055334
 REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

SIGNATURE: *[Signature]*
 DATE: 5/2/08
 EXPIRES: 11/30/09

CTE | AECOM

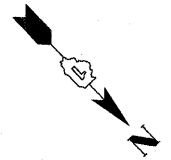
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SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY	ROADWAY		LANDSCAPING
				URBAN 100% STATE IDOT	ROADWAY CDOT	
			J000	J000	Y003	
25000210	SEEDING, CLASS 2A	ACRE	0.34	0.34		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	79	30	49	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	40	30	30	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	50	30	20	
25100630	EROSION CONTROL BLANKET	SQ YD	1634	1634		
28000510	INLET FILTERS	EACH	14	14		
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	17.67		17.67	
K0030470	PERENNIAL PLANTS, ORNAMENTAL GRASS TYPE	UNIT	25.30		25.30	
X0301407	PERENNIAL PLANTS, GALLON POT	UNIT	34.05		34.05	
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	1250		1250	
X0325106	IRRIGATION SYSTEM FALL SHUT-DOWN	EACH	4		4	
X0325107	IRRIGATION SYSTEM SPRING START-UP	EACH	4		4	
X0325108	BACKFLOW PREVENTER (RPZ), 2 INCH	EACH	4		4	
X0325604	WEED CONTROL, PRE-EMERGENT HERBICIDE	GALLON	1		1	

CODE NO.	ITEM	UNIT	QUANTITY	ROADWAY		LANDSCAPING
				URBAN 100% STATE IDOT	ROADWAY CDOT	
			J000	J000	Y003	
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	15		15	
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	HOURL				
C2007010	SHRUB, ROSA RADRAZZ (KNOCK OUT ROSE), CONTAINER GROWN, 3-GALLON	EACH	564		564	
B2010020	TREE, AMELANCHIER GRANDIFLORA PRINCESS DIANA (PRINCESS DIANA APPLE SERVICEBERRY), 8' HEIGHT, BALLED AND BURLAPPED	EACH	16		16	
X0326146	SOIL CONDITIONER	SQ YD	2659		2659	
K1003460	LANDSCAPE MAINTENANCE	CAL MO	12		12	

* DENOTES SPECIALTY ITEMS



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 COLLSB04

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= 1700.00'
 T= 754.78'
 L= 1420.69'
 E= 160.03'
 e= 5.9%
 T.R.= 41'
 S.E. RUN= 210' (236.93')
 P.C. STA= 4391+36.97
 N= 1,860,518.94
 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= 2090.00'
 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

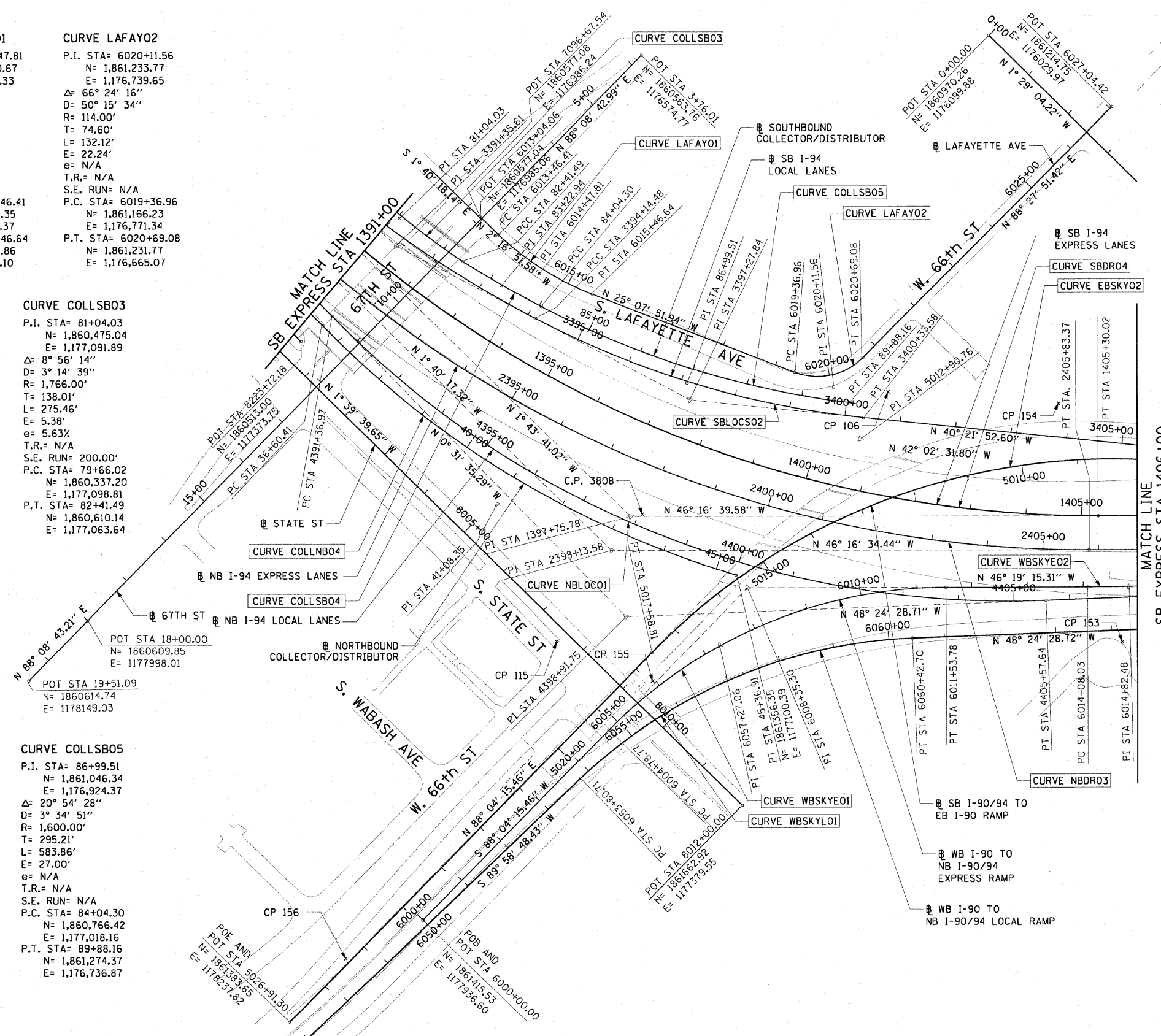
P.I. STA= 3397+27.84
 N= 1,861,071.17
 E= 1,176,941.37
 Δ= 21° 50' 32"
 D= 3° 31' 41"
 R= 1624.00'
 T= 313.36'
 L= 619.10'
 E= 29.96'
 e= 6.0%
 T.R.= 41'
 S.E. RUN= 213'
 P.C. STA= 3394+14.48
 N= 1,860,774.05
 E= 1,177,040.92
 P.T. STA= 3400+33.58
 N= 1,861,309.93
 E= 1,176,738.43

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= 1154.00'
 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 SBDRO4

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= 2050.00'
 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

05/01/2008 04:09:29 PM P:\40468\civil\28-garway_1\irrigation\sheet\28_14711\0220022002.dwg

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+84.51
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.= 48' (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 SBDR05
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= 1,861,964.32
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

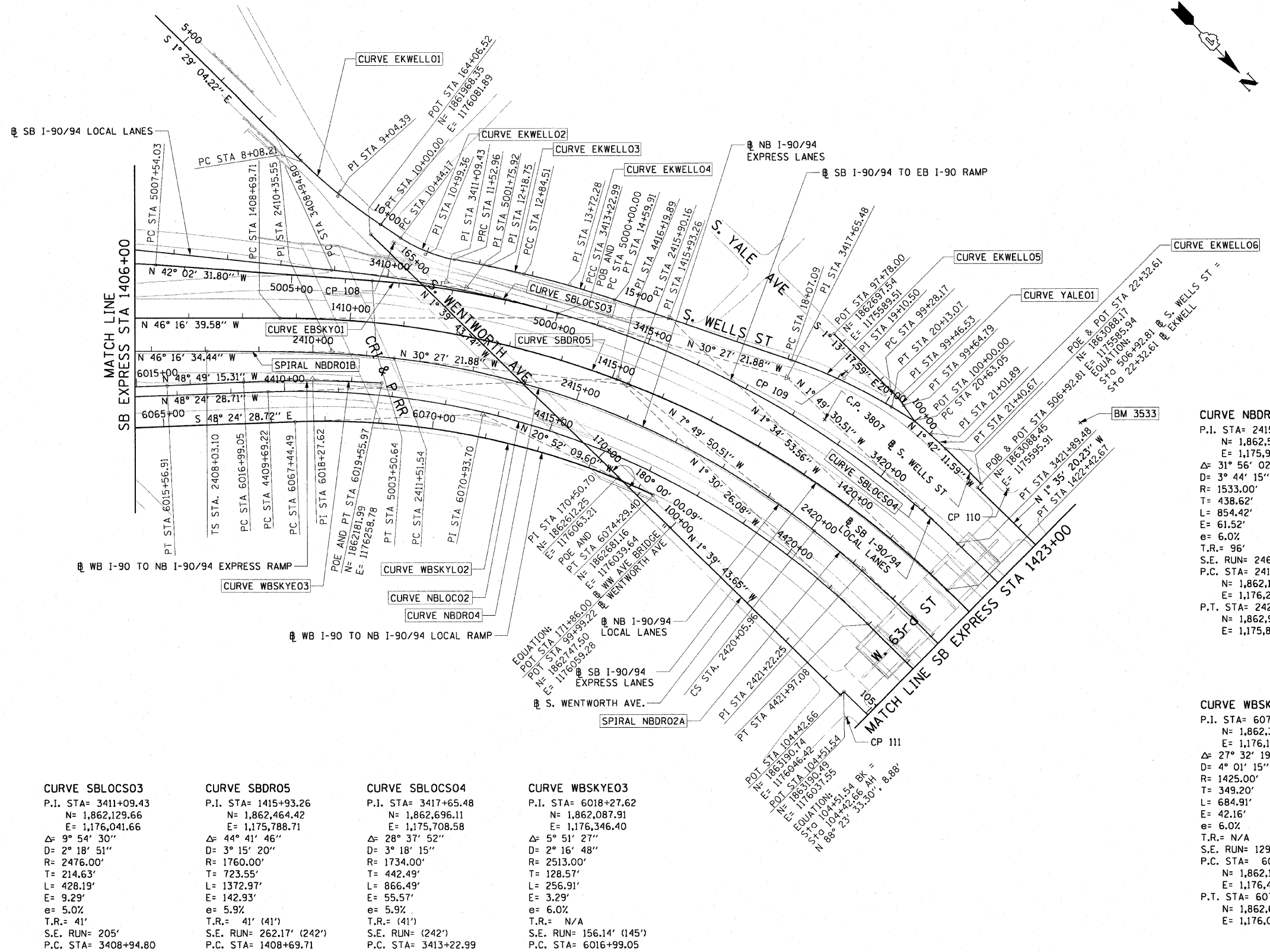
CURVE NBLOCO2
P.I. STA= 4416+19.89
N= 1,862,479.88
E= 1,175,936.27
Δ= 46° 54' 02"
D= 3° 49' 11"
R= 1500.00'
T= 650.67'
L= 1227.85'
E= 135.05'
e= 6.0%
T.R.= 41' (96')
S.E. RUN= 277.55' (246')
P.C. STA= 4409+69.22
N= 1,862,047.95
E= 1,176,422.90
P.T. STA= 4421+97.08
N= 1,863,130.33
E= 1,175,919.15

CURVE NBDR04
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

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

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 YALE01
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



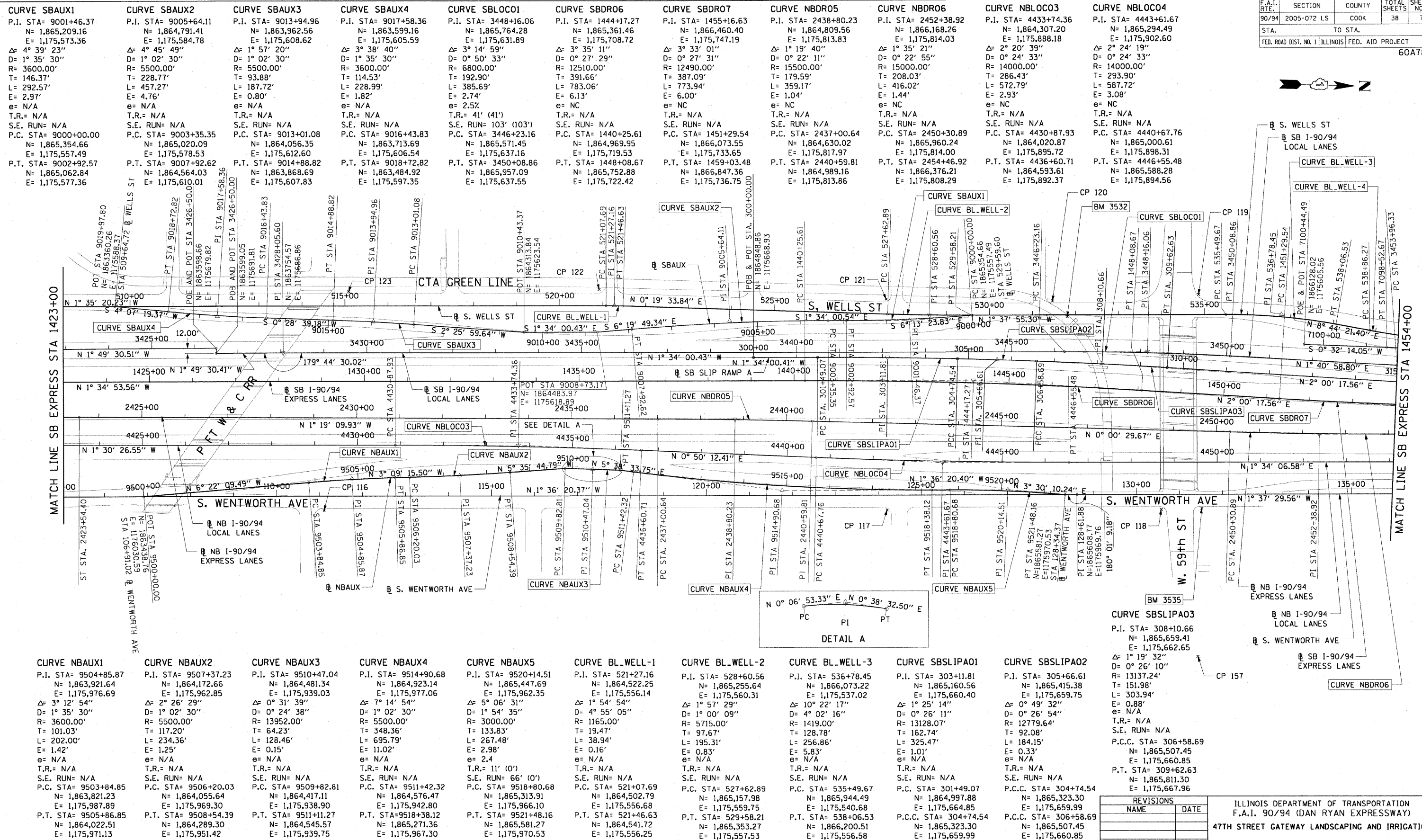
NOTES:
1. AVERAGE GRID TO GROUND CONVERSION FACTOR = 1.000010988654360
2. FOR BENCH MARK INFORMATION, SEE SHEET 1 OF ALIGNMENT PLAN SHEETS.

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

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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				



CTE | AECOM

NOTES:

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

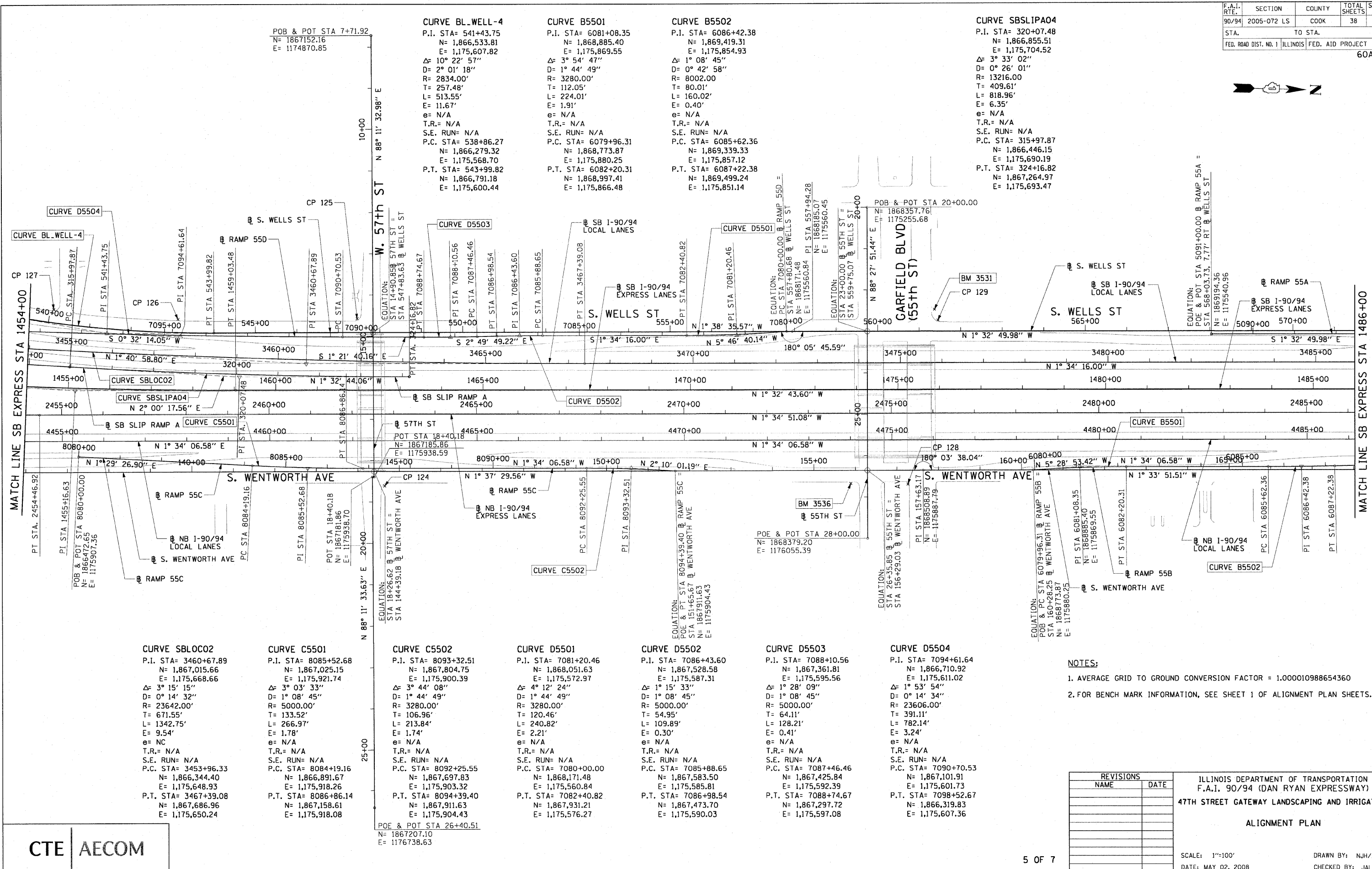
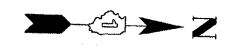
REVISIONS	
NAME	DATE

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

60A78



CURVE BL-WELL-4 P.I. STA= 541+43.75 N= 1,866,533.81 E= 1,175,607.82 Δ = 10° 22' 57" D= 2° 01' 18" R= 2834.00' T= 257.48' L= 513.55' E= 11.67' θ = N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 538+86.27 N= 1,866,279.32 E= 1,175,568.70 P.T. STA= 543+99.82 N= 1,866,791.18 E= 1,175,600.44	CURVE B5501 P.I. STA= 6081+08.35 N= 1,868,885.40 E= 1,175,869.55 Δ = 3° 54' 47" D= 1° 44' 49" R= 3280.00' T= 112.05' L= 224.01' E= 1.91' θ = N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 6079+96.31 N= 1,868,773.87 E= 1,175,880.25 P.T. STA= 6082+20.31 N= 1,868,997.41 E= 1,175,866.48	CURVE B5502 P.I. STA= 6086+42.38 N= 1,869,419.31 E= 1,175,854.93 Δ = 1° 08' 45" D= 0° 42' 58" R= 8002.00' T= 80.01' L= 160.02' E= 0.40' θ = N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 6085+62.36 N= 1,869,339.33 E= 1,175,857.12 P.T. STA= 6087+22.38 N= 1,869,499.24 E= 1,175,851.14	CURVE SB SLIP A04 P.I. STA= 320+07.48 N= 1,866,855.51 E= 1,175,704.52 Δ = 3° 33' 02" D= 0° 26' 01" R= 13216.00' T= 409.61' L= 818.96' E= 6.35' θ = N/A T.R.= N/A S.E. RUN= N/A P.C. STA= 315+97.87 N= 1,866,446.15 E= 1,175,690.19 P.T. STA= 324+16.82 N= 1,867,264.97 E= 1,175,693.47
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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' θ = 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' θ = 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' θ = 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' θ = 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' θ = 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= 7086+98.54 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' θ = 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' θ = 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
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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

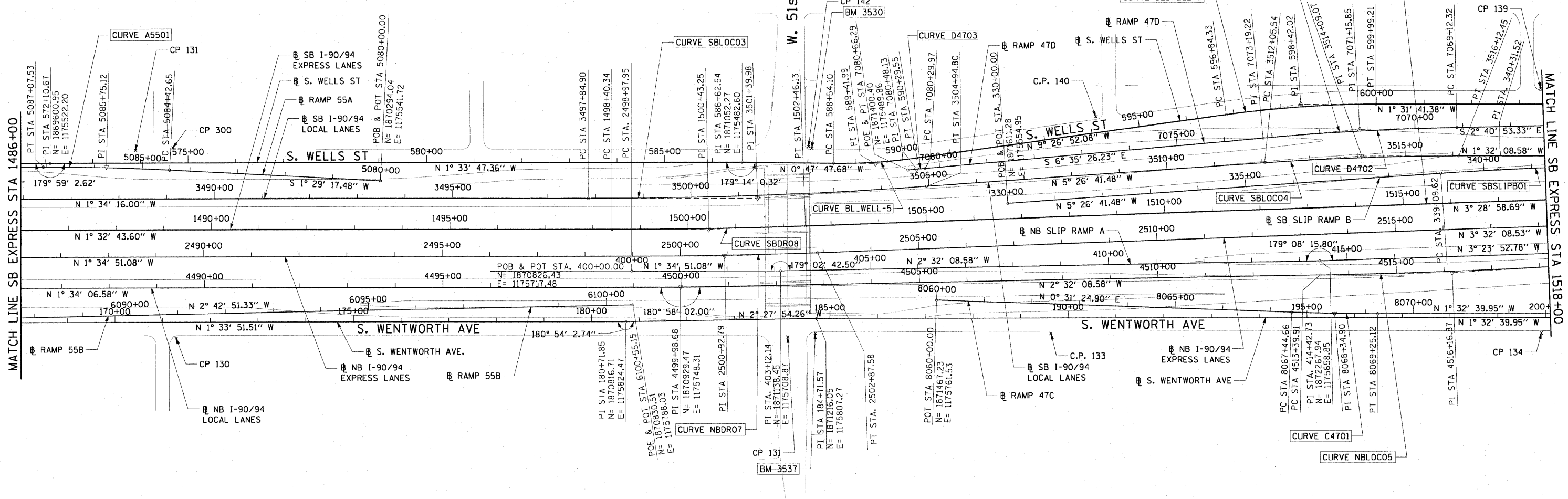
DRAWN BY: NJH/AMM
 CHECKED BY: JAL/MS

CTE | AECOM

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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 SBLSIPBO1 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+39.98 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:
 1. AVERAGE GRID TO GROUND CONVERSION FACTOR = 1.000010988654360
 2. FOR BENCH MARK INFORMATION, SEE SHEET 1 OF ALIGNMENT PLAN SHEETS.

REVISIONS	
NAME	DATE

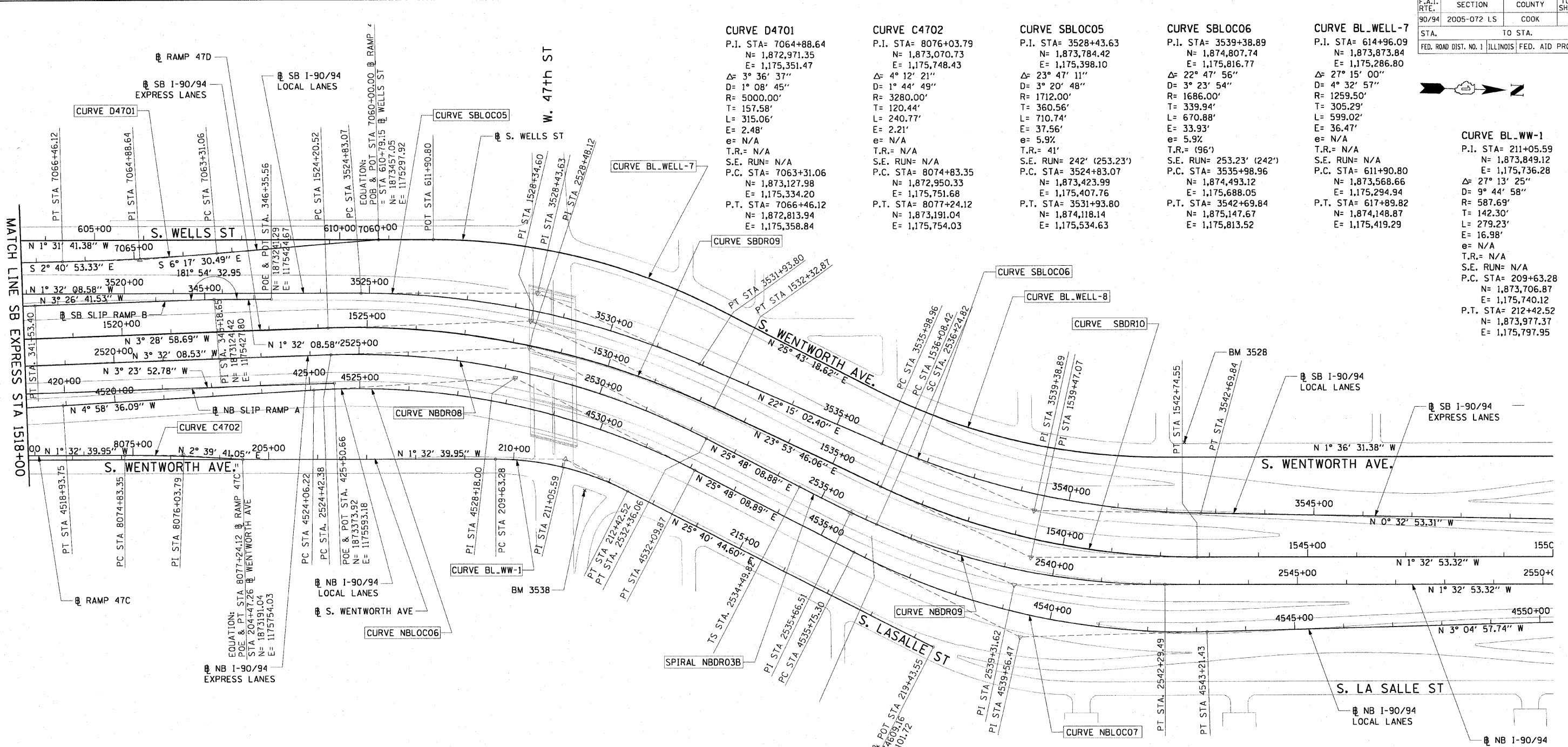
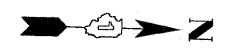
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 47TH STREET GATEWAY LANDSCAPING AND IRRIGATION
 ALIGNMENT PLAN

SCALE: 1"=100'
 DATE: MAY 02, 2008
 DRAWN BY: NJH/AMM
 CHECKED BY: JAL/MS

CTE | AECOM

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-072 LS	COOK	38	10
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
60A78				



CURVE SBDR09
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

CURVE SBDR10
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= 803.65'
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

CURVE NBLOC06
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') 246'
P.C. STA= 4524+06.22
N= 1,873,332.54
E= 1,175,608.23
P.T. STA= 4532+09.87
N= 1,874,113.48
E= 1,175,751.74

CURVE NBLOC07
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

CURVE NBDR08
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

SPIRAL NBDR03B
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

CURVE NBDR09
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

CURVE BL.WELL-8
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:**
- 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

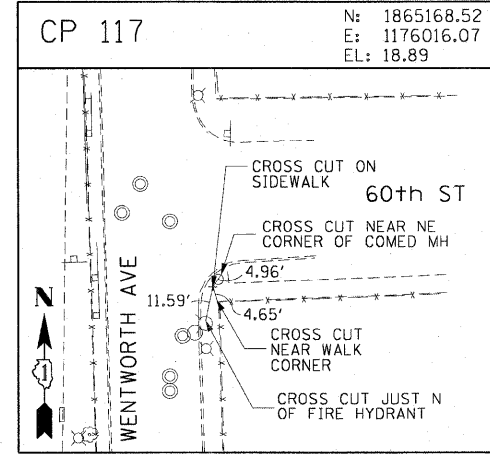
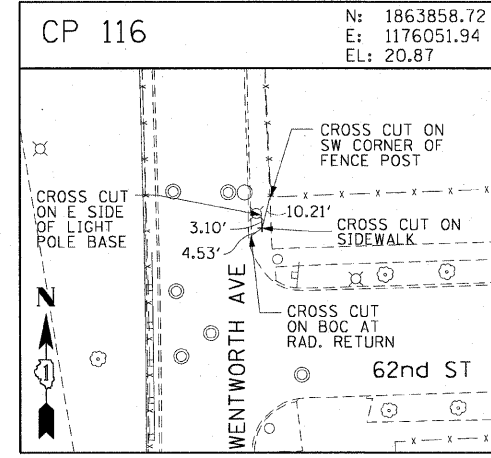
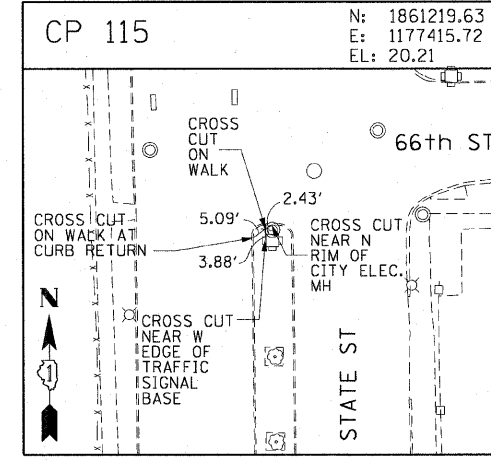
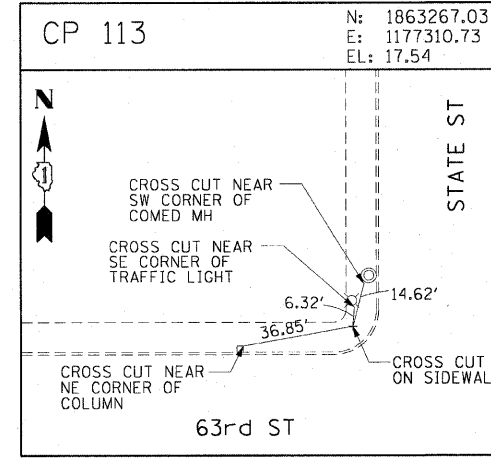
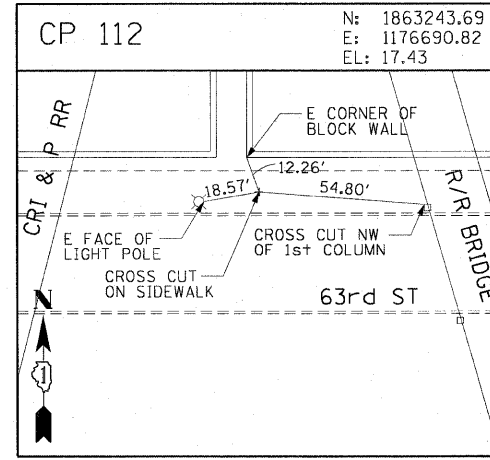
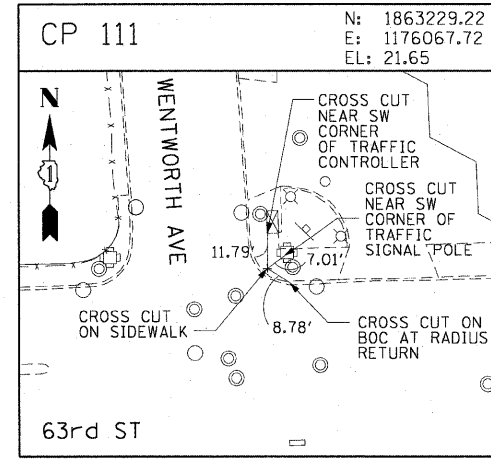
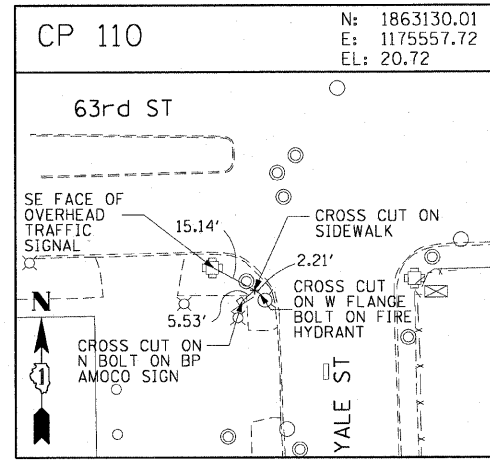
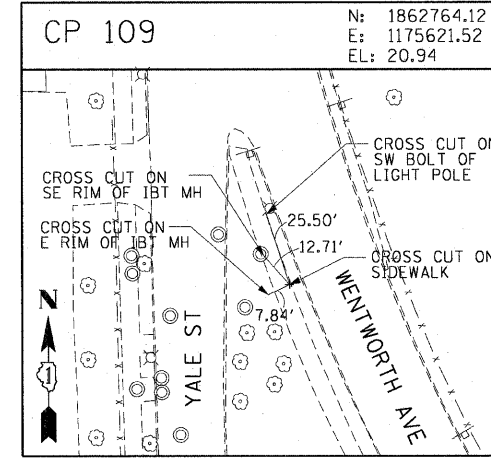
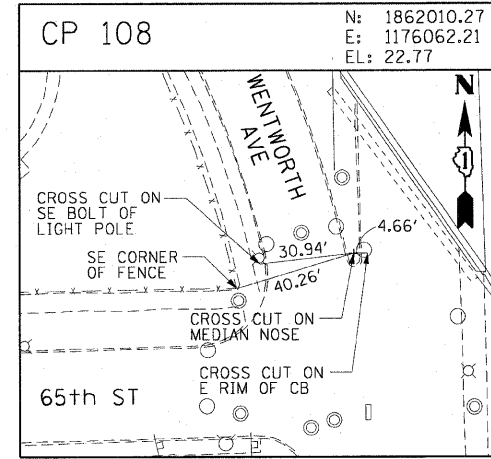
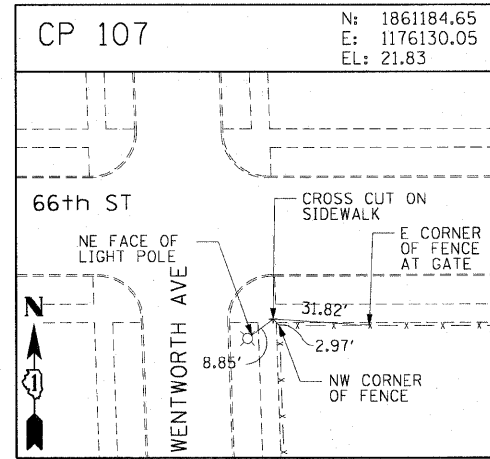
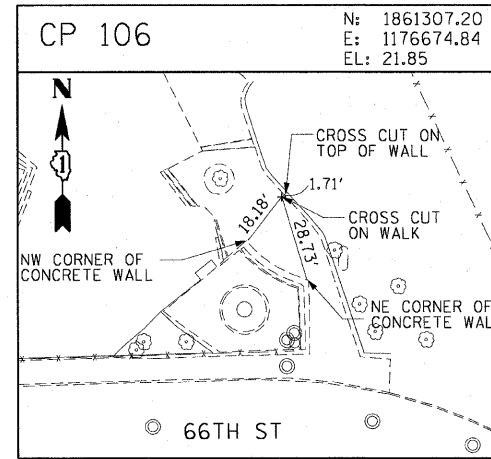
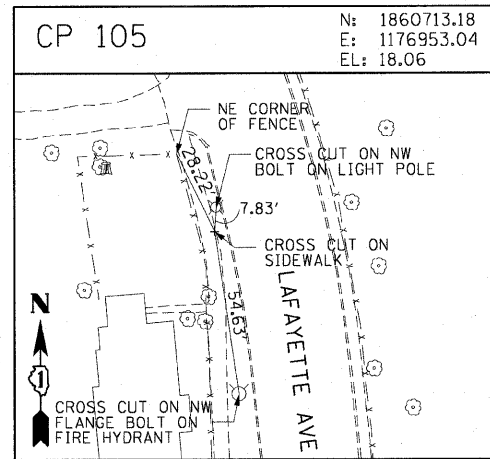
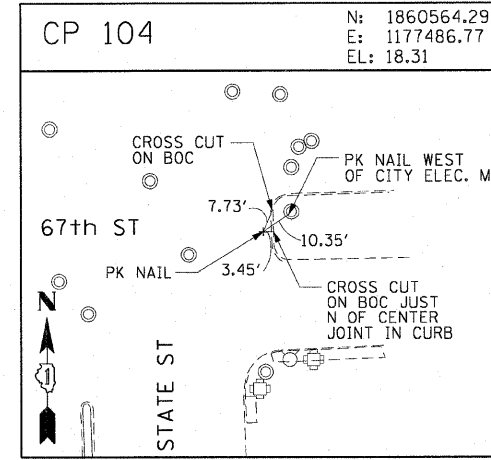
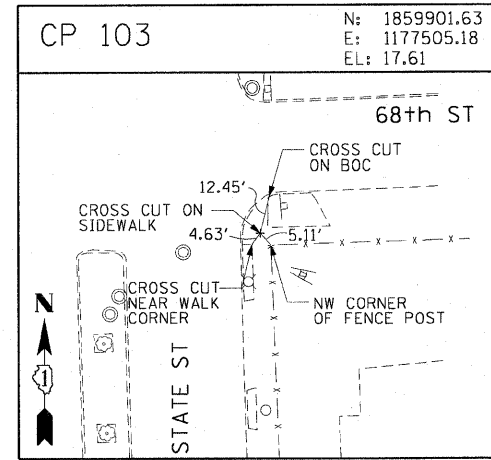
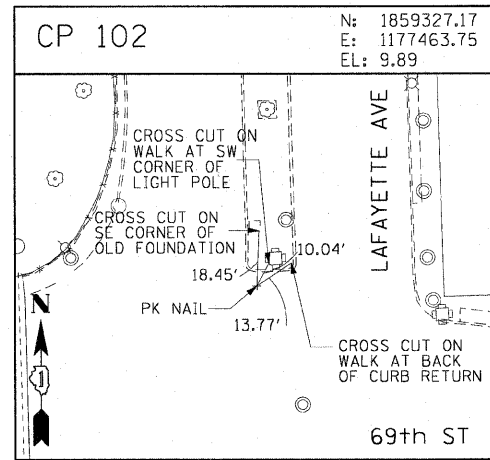
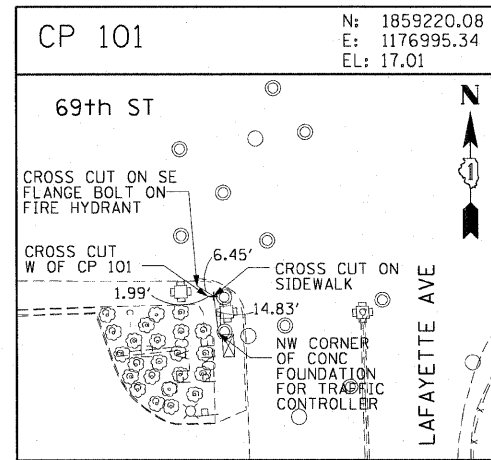
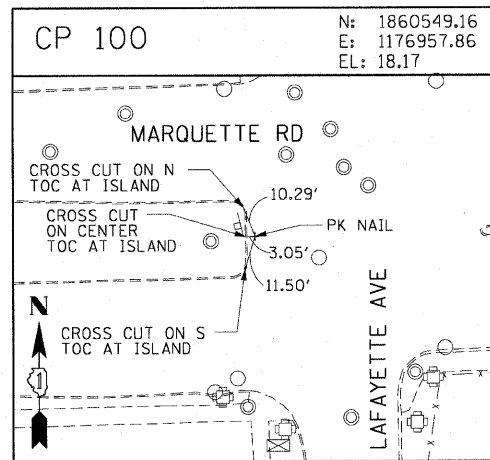
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DATE: MAY 02, 2008

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



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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

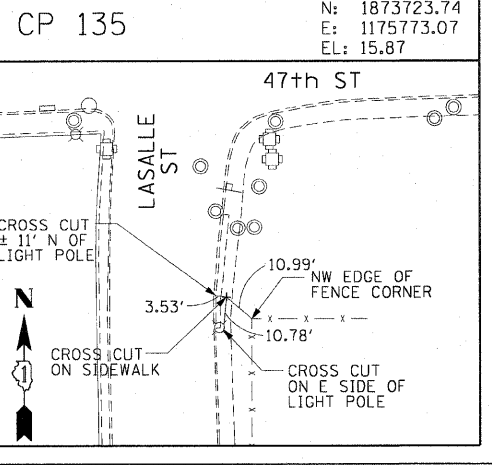
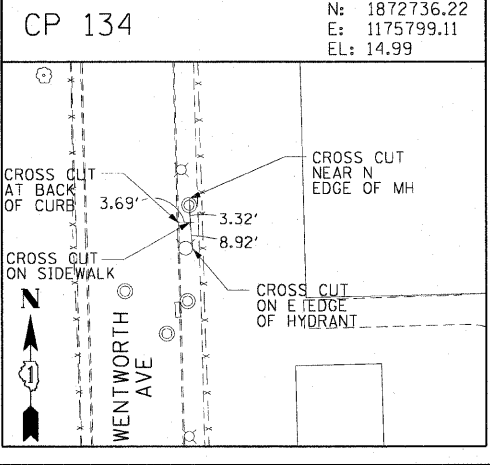
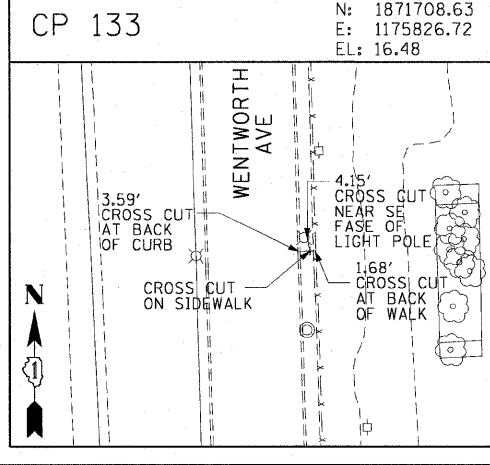
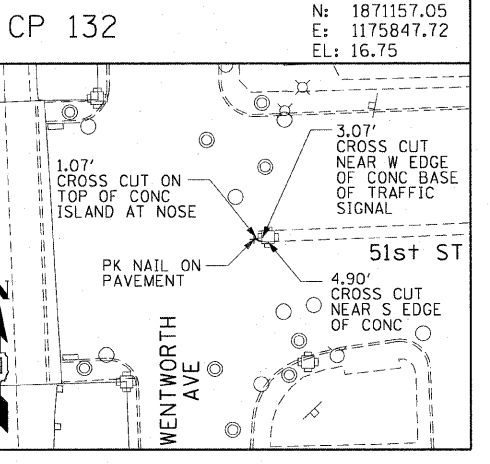
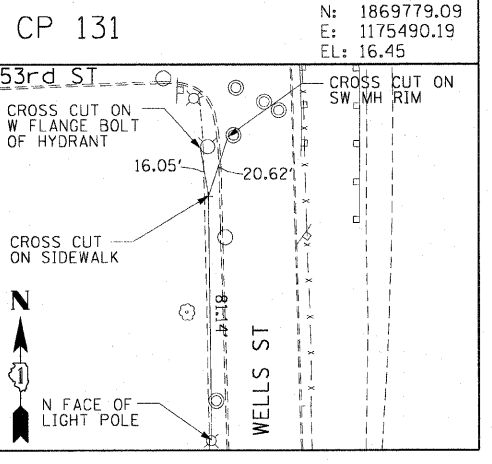
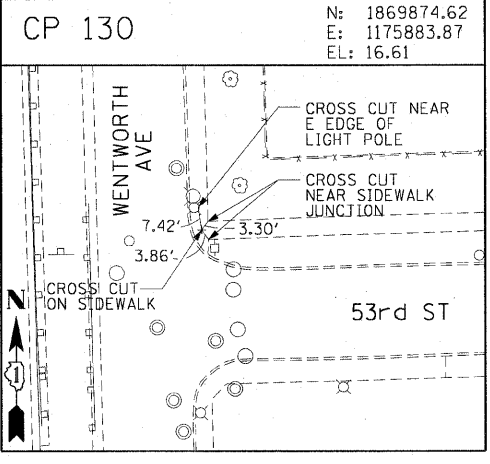
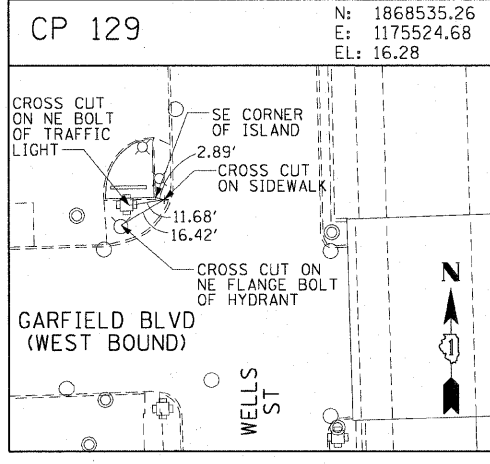
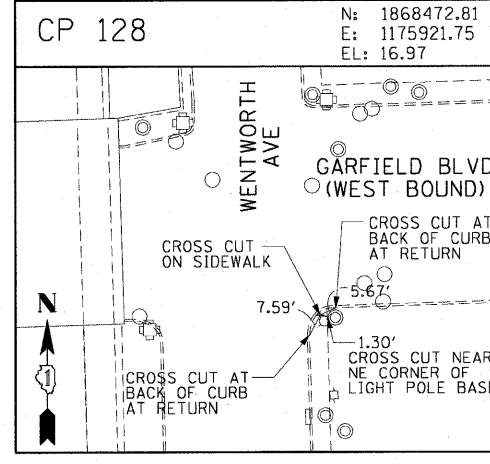
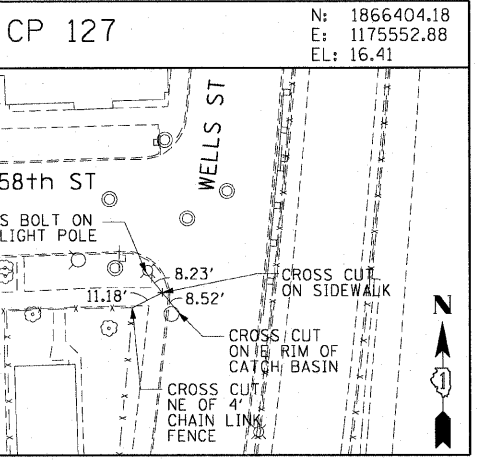
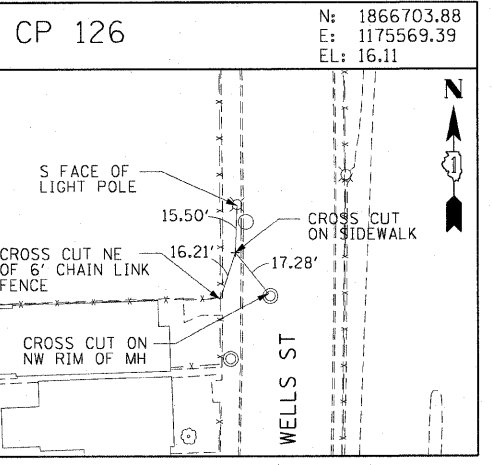
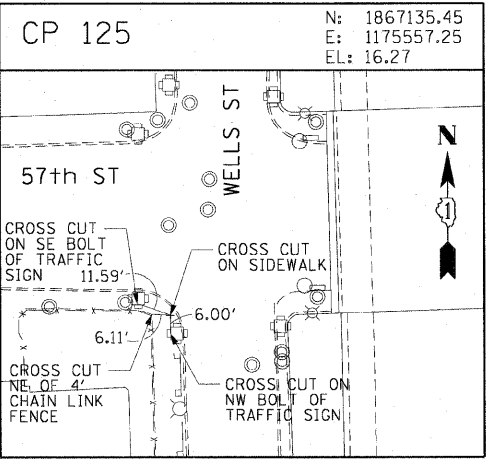
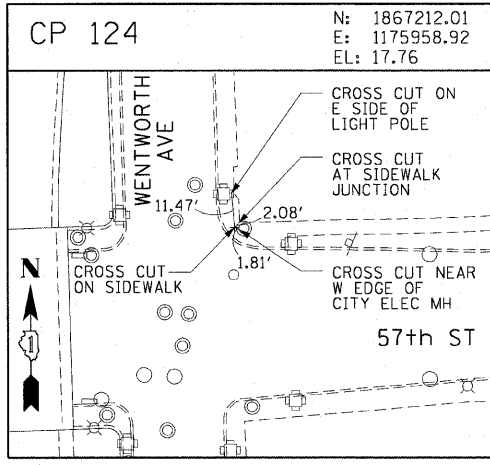
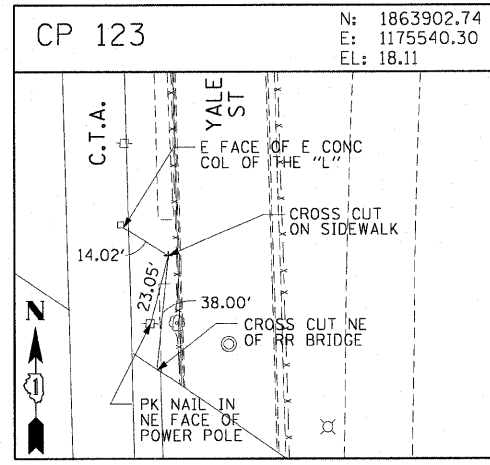
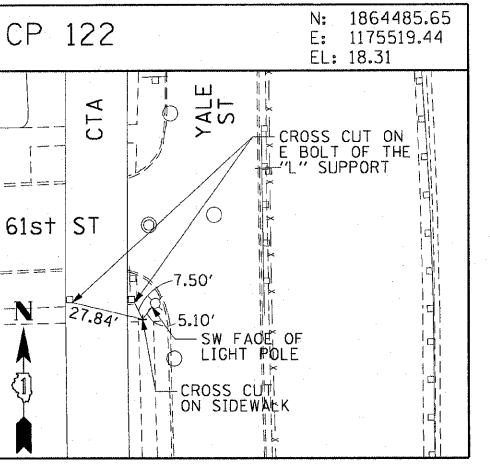
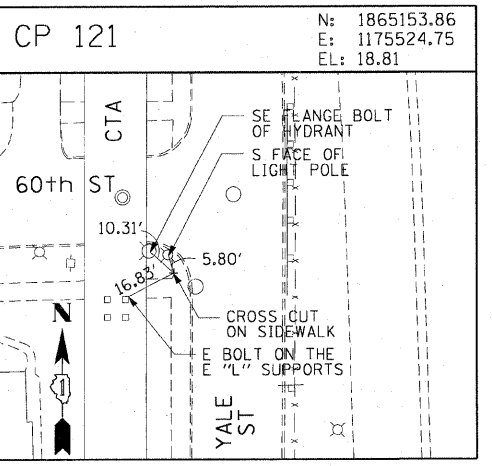
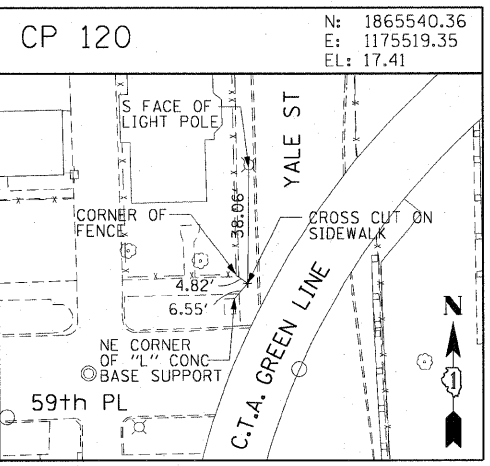
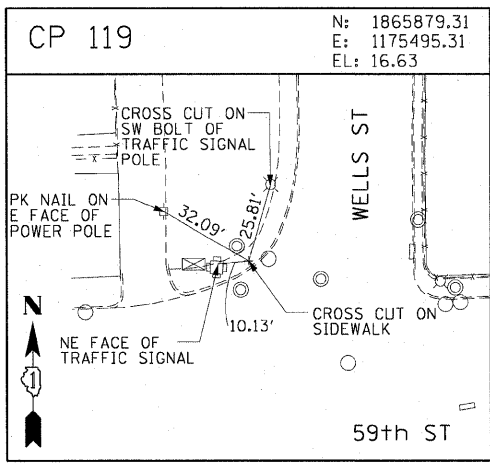
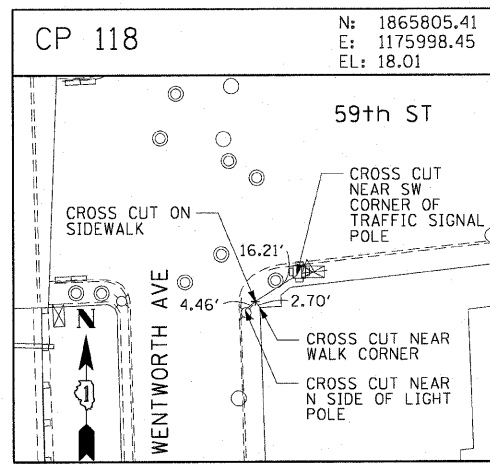
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
47TH STREET GATEWAY LANDSCAPING AND IRRIGATION
SURVEY TIES AND CONTROL POINTS

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

DRAWN BY: MRK
CHECKED BY: JAL

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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

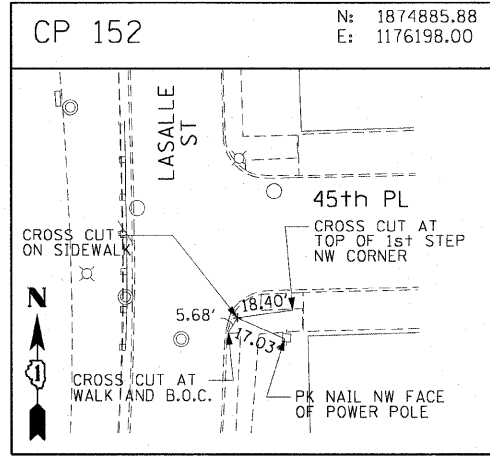
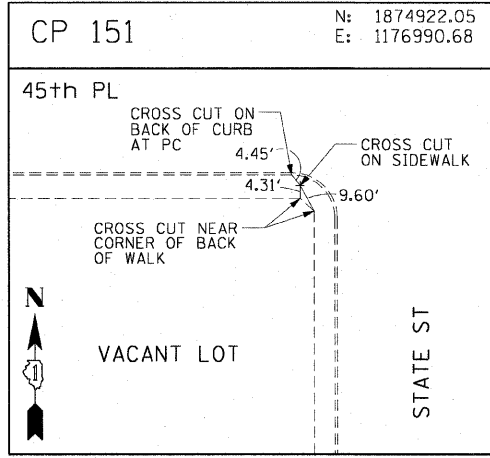
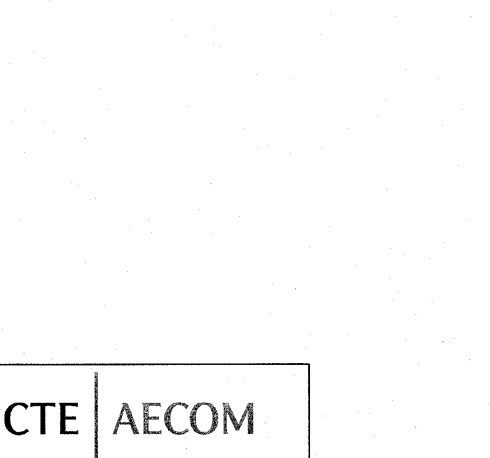
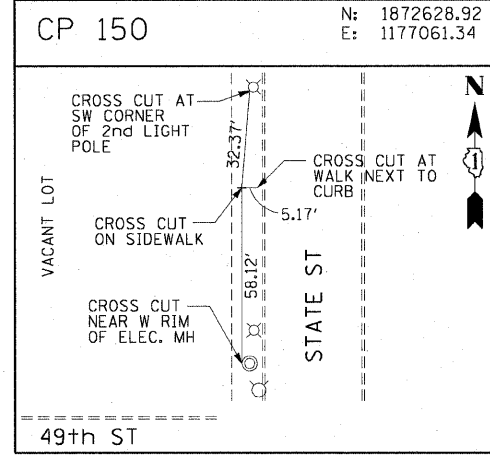
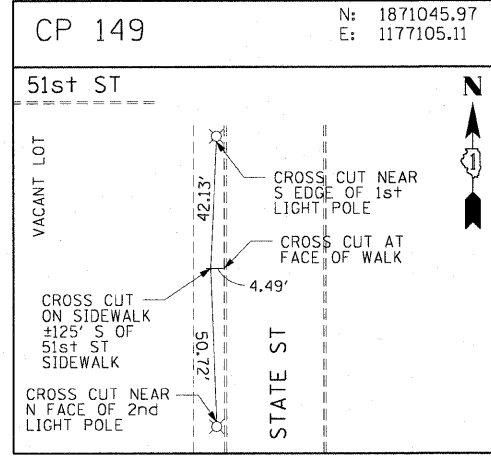
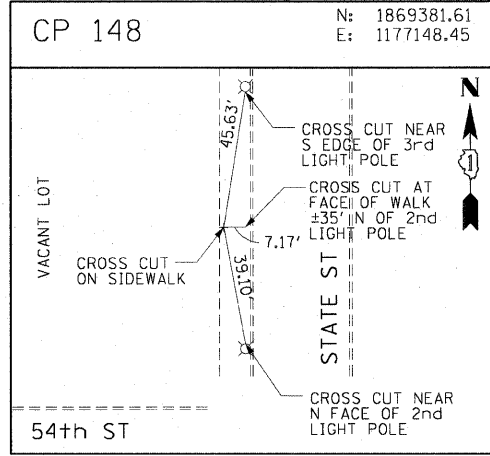
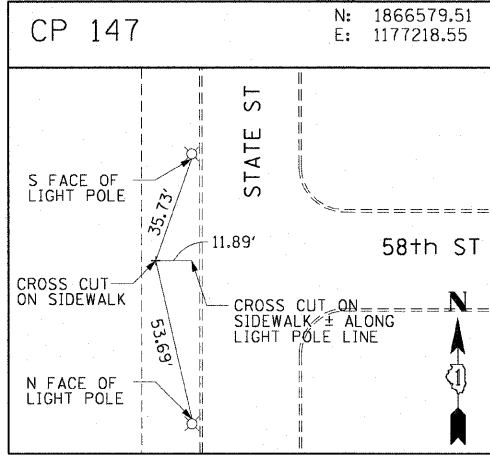
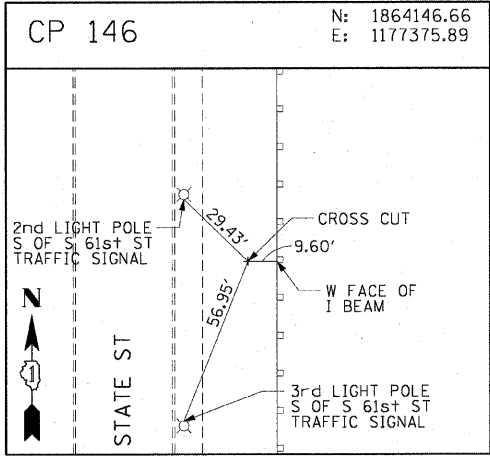
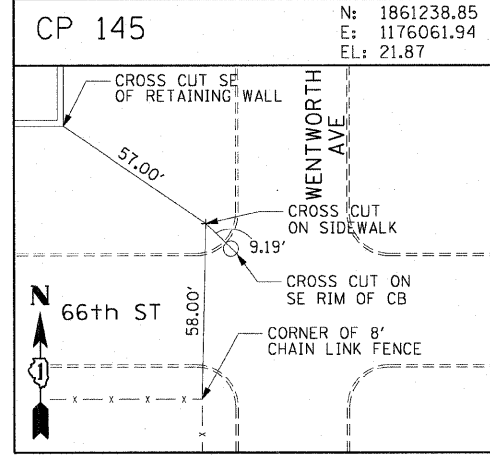
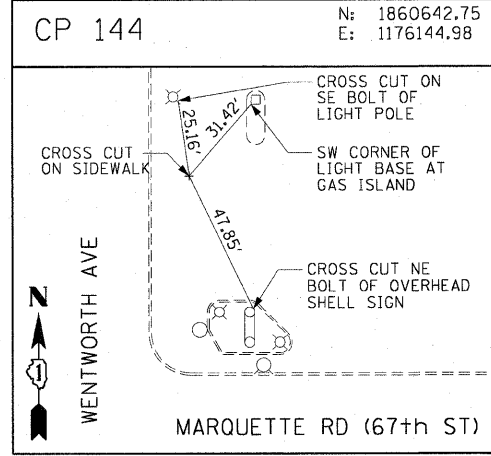
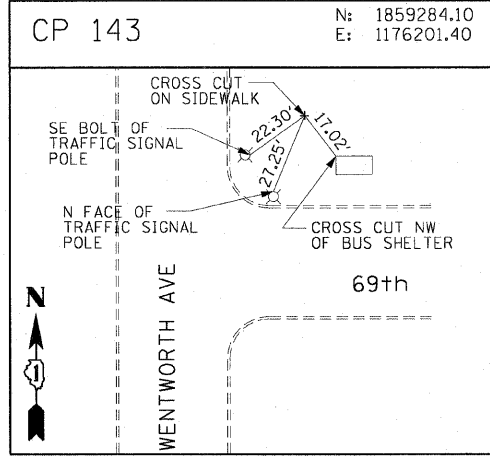
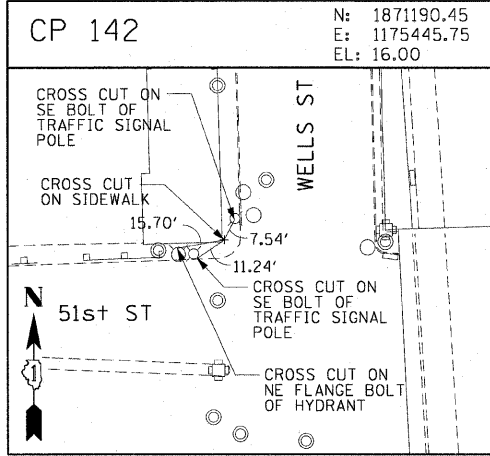
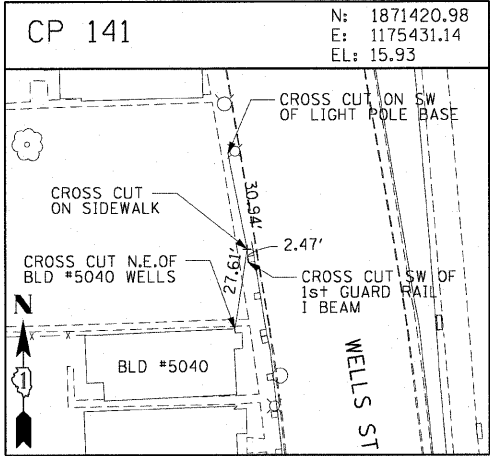
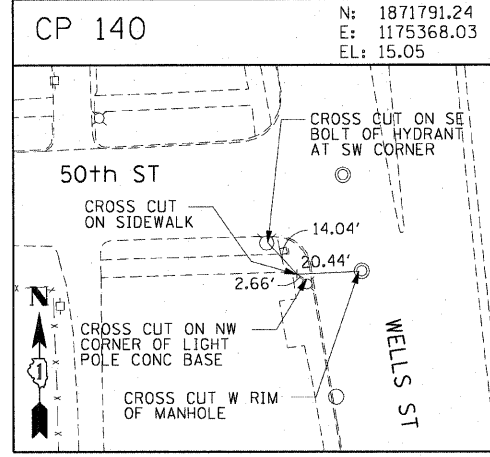
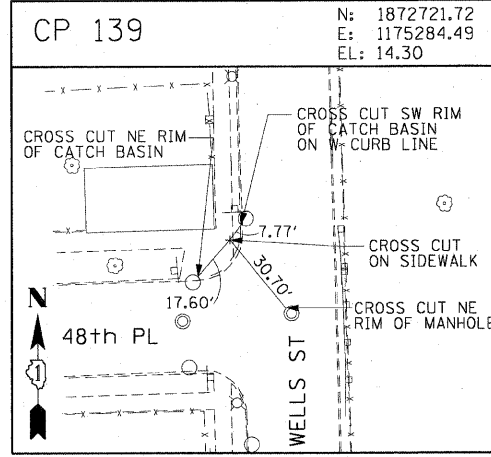
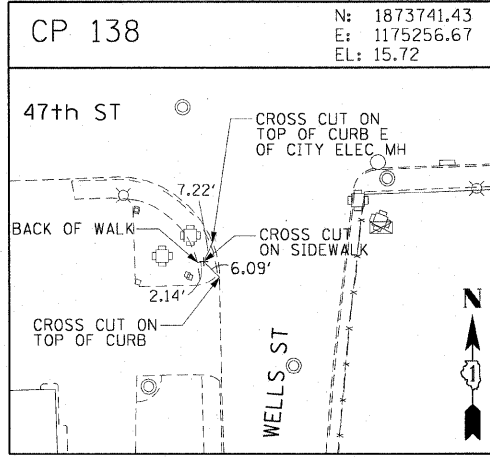
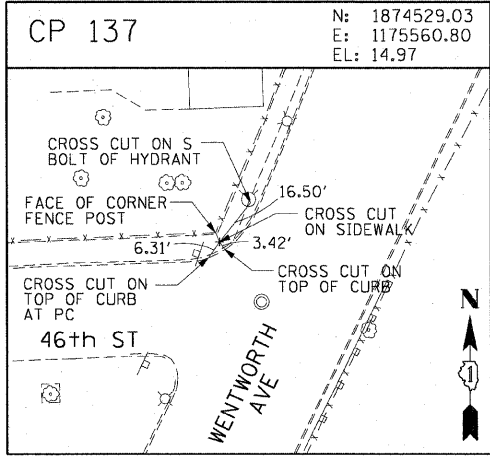
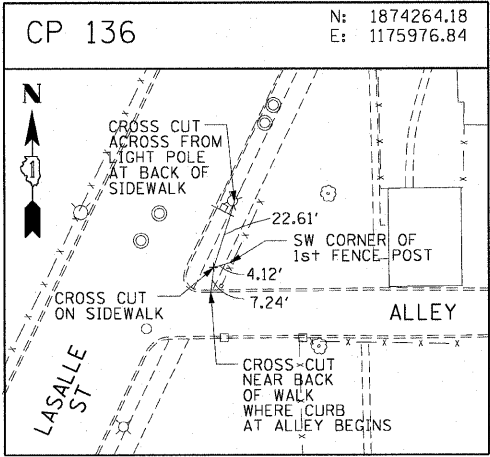
REVISIONS	
NAME	DATE

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

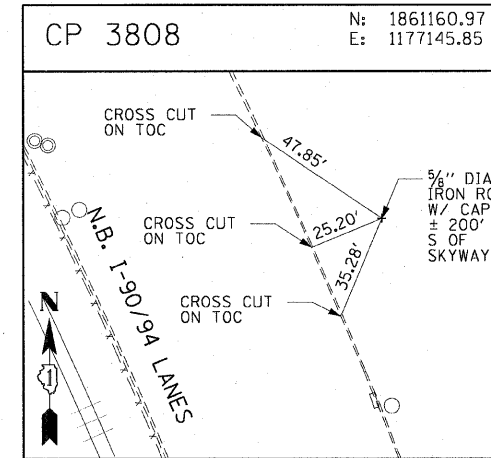
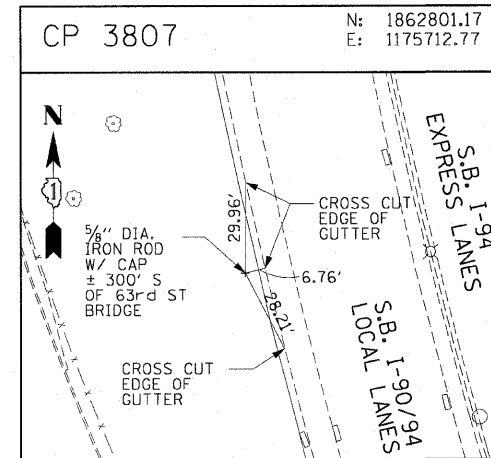
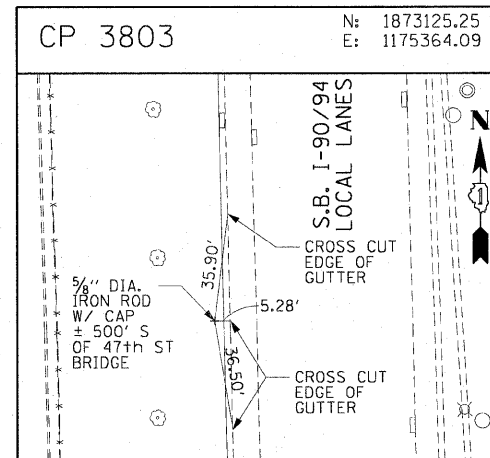
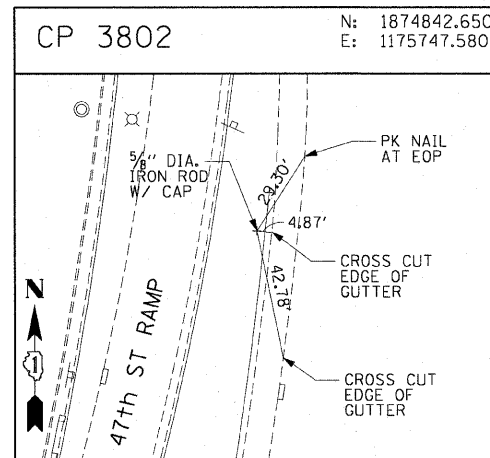
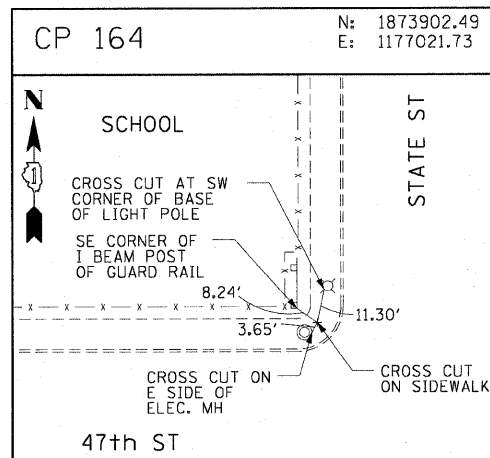
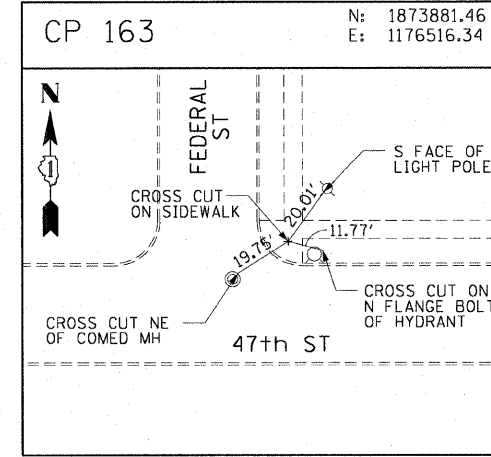
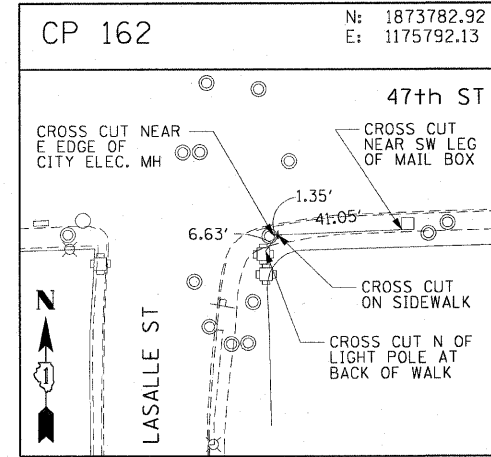
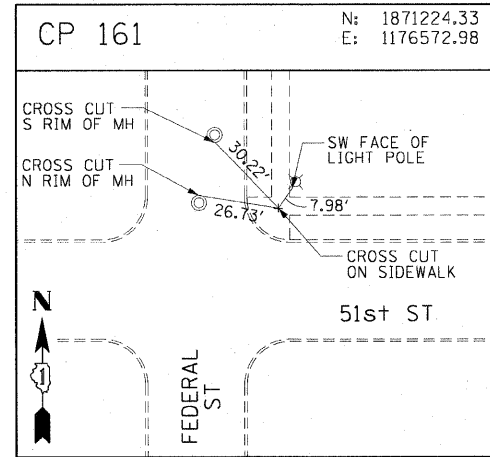
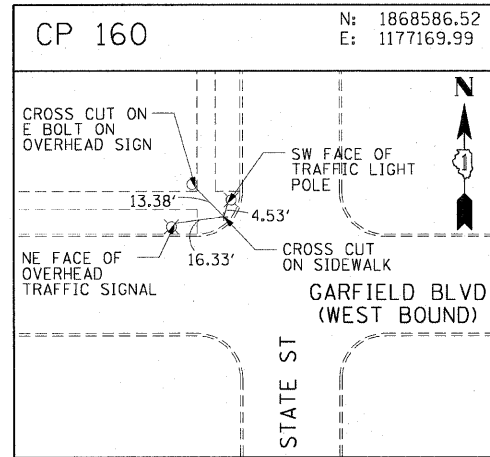
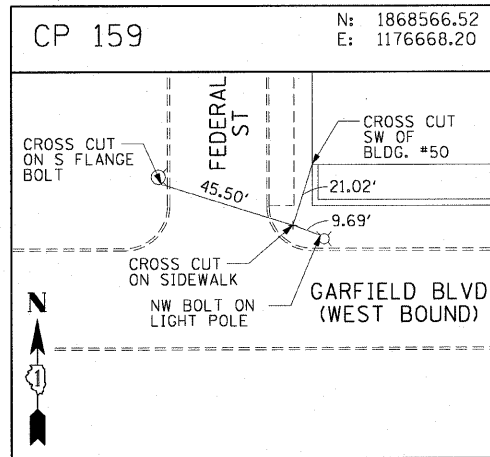
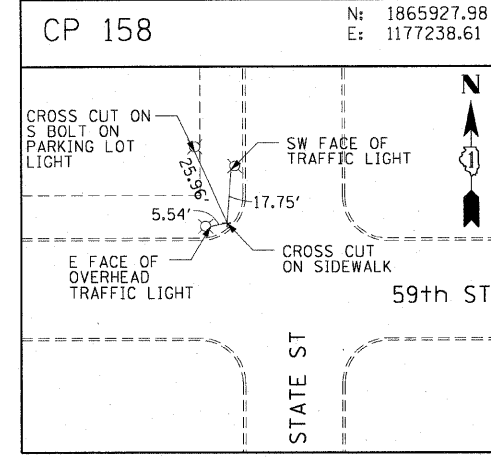
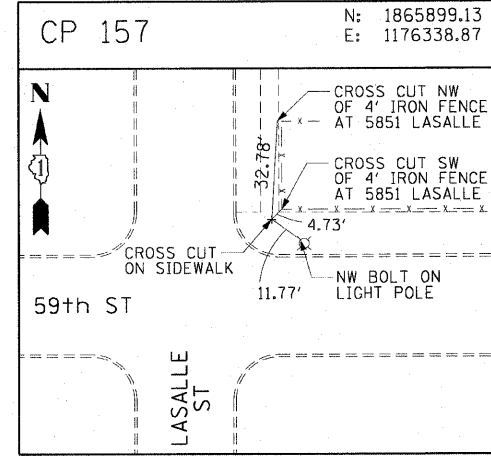
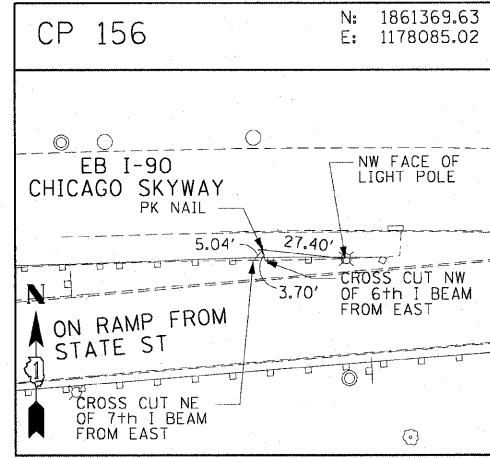
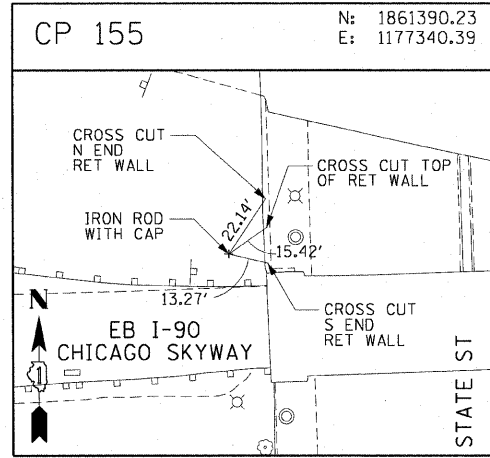
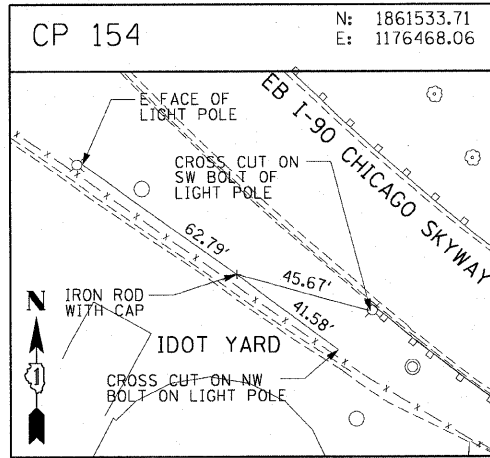
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REVISIONS	
NAME	DATE

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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				



REVISIONS	
NAME	DATE

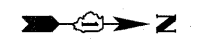
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
47TH STREET GATEWAY LANDSCAPING AND IRRIGATION
SURVEY TIES AND CONTROL POINTS

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

DRAWN BY: MRK
CHECKED BY: JAL

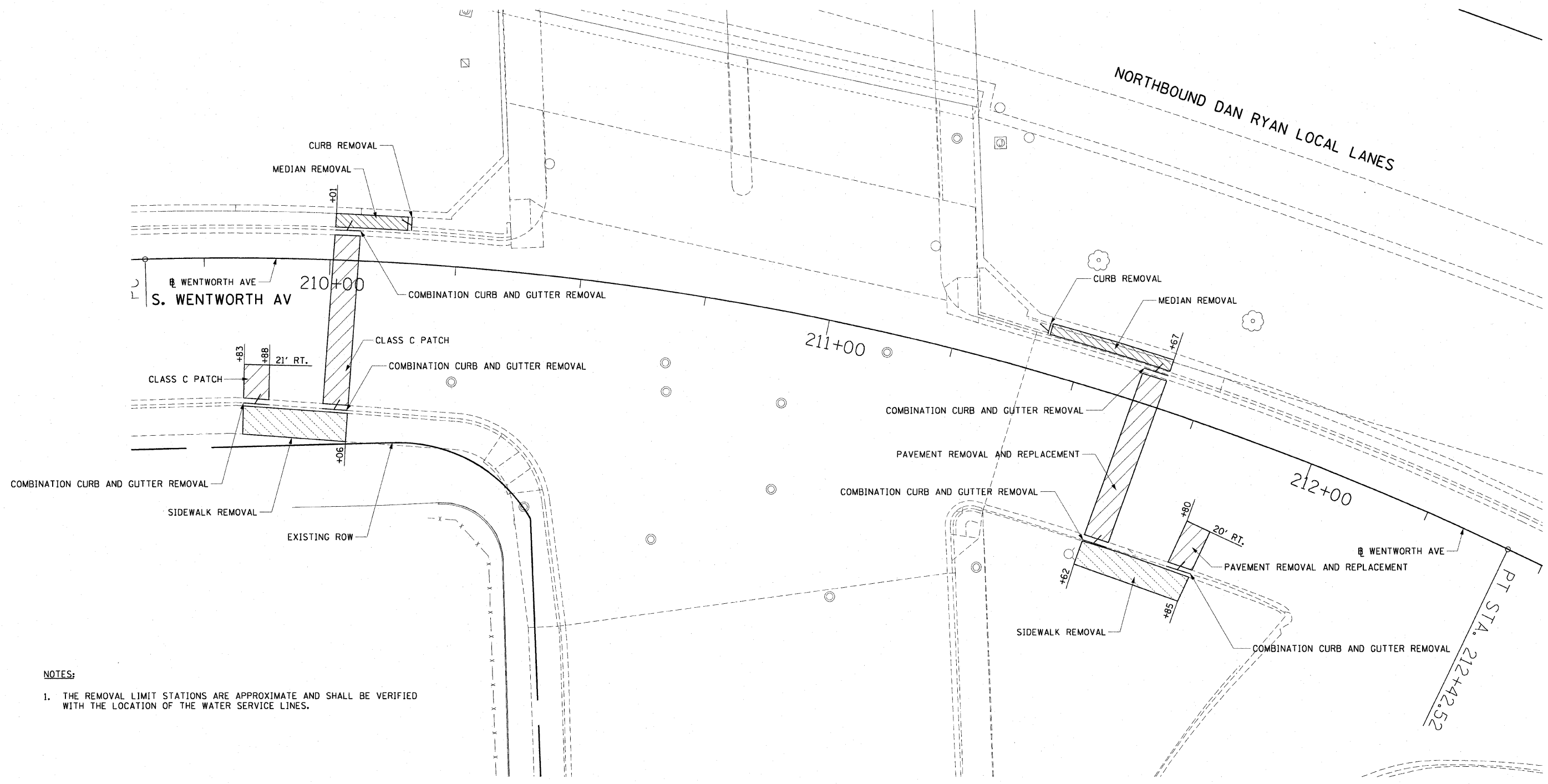
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W. 47TH ST

NORTHBOUND DAN RYAN LOCAL LANES



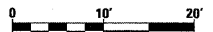
NOTES:
 1. THE REMOVAL LIMIT STATIONS ARE APPROXIMATE AND SHALL BE VERIFIED WITH THE LOCATION OF THE WATER SERVICE LINES.

LEGEND:

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

CTE | AECOM

W. 47TH ST



REVISIONS	
NAME	DATE

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

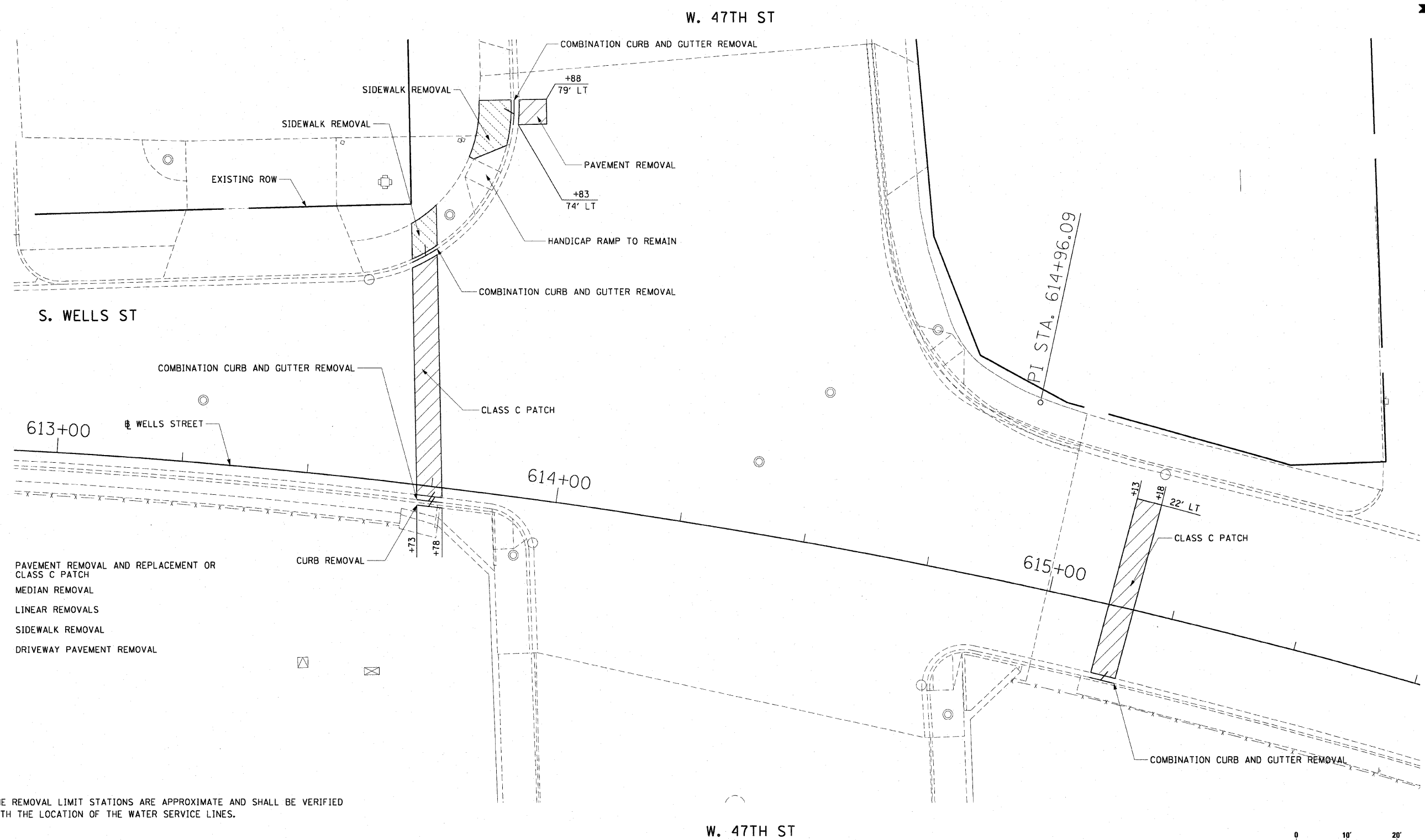
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 DATE: MAY 02, 2008

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	16
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

60A78



LEGEND:

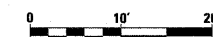
- PAVEMENT REMOVAL AND REPLACEMENT OR CLASS C PATCH
- MEDIAN REMOVAL
- LINEAR REMOVALS
- SIDEWALK REMOVAL
- DRIVEWAY PAVEMENT REMOVAL

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

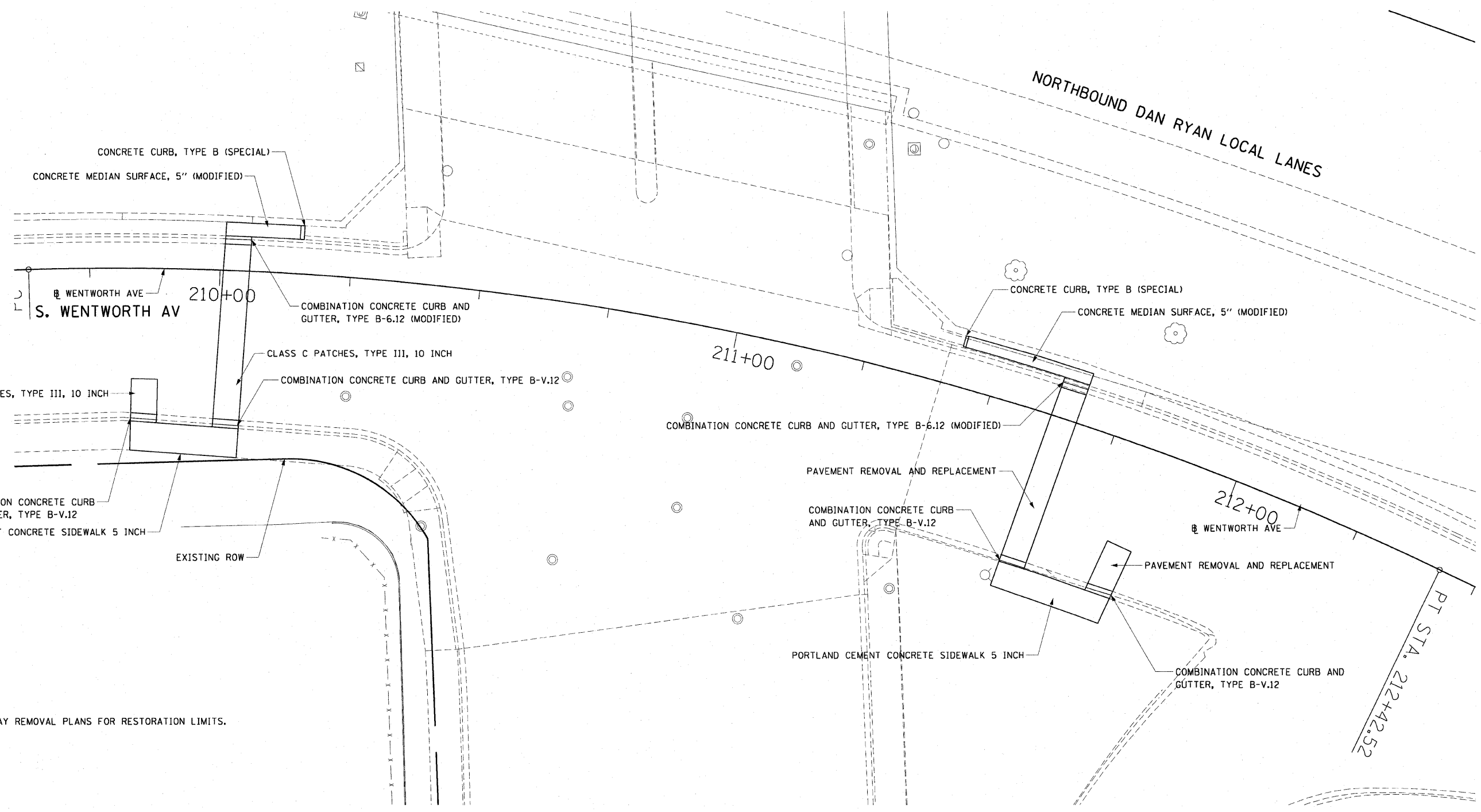
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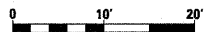
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NORTHBOUND DAN RYAN LOCAL LANES



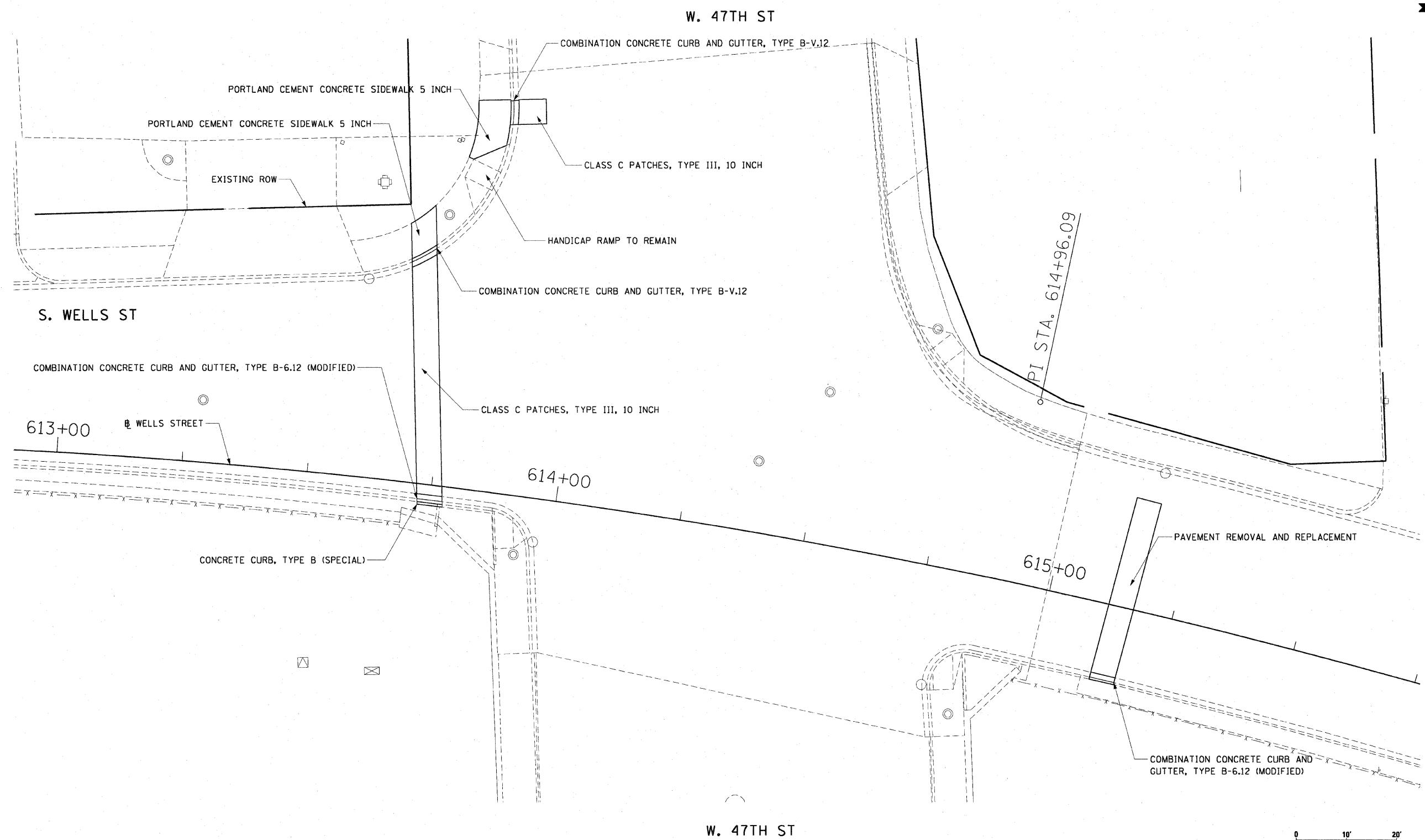
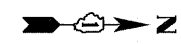
NOTES:
1. SEE ROADWAY REMOVAL PLANS FOR RESTORATION LIMITS.



REVISIONS	
NAME	DATE

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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	



NOTES:

1. SEE ROADWAY REMOVAL PLANS FOR RESTORATION LIMITS.

REVISIONS	
NAME	DATE

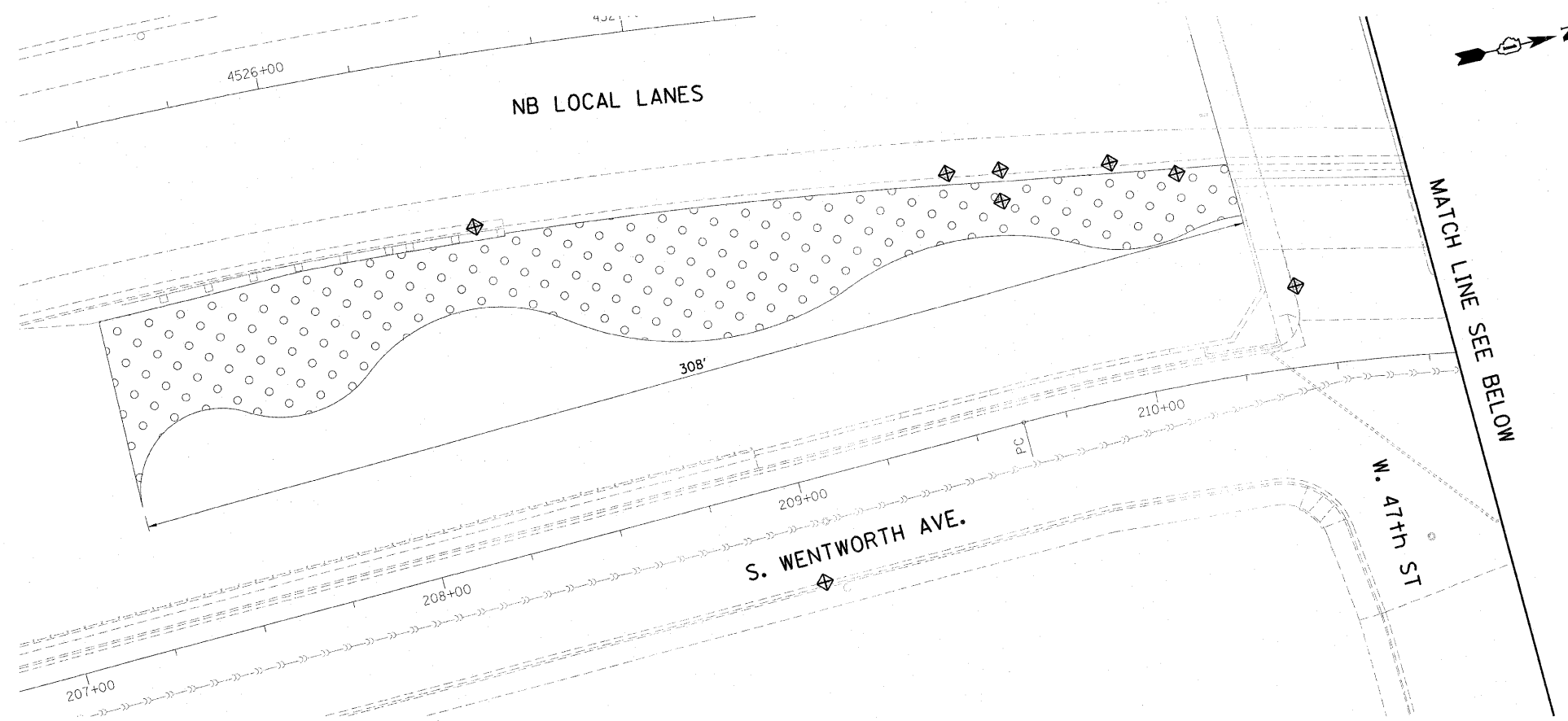
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 47TH STREET GATEWAY LANDSCAPING AND IRRIGATION
PROPOSED ROADWAY PLANS

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

DRAWN BY: RMG
 CHECKED BY: JAL

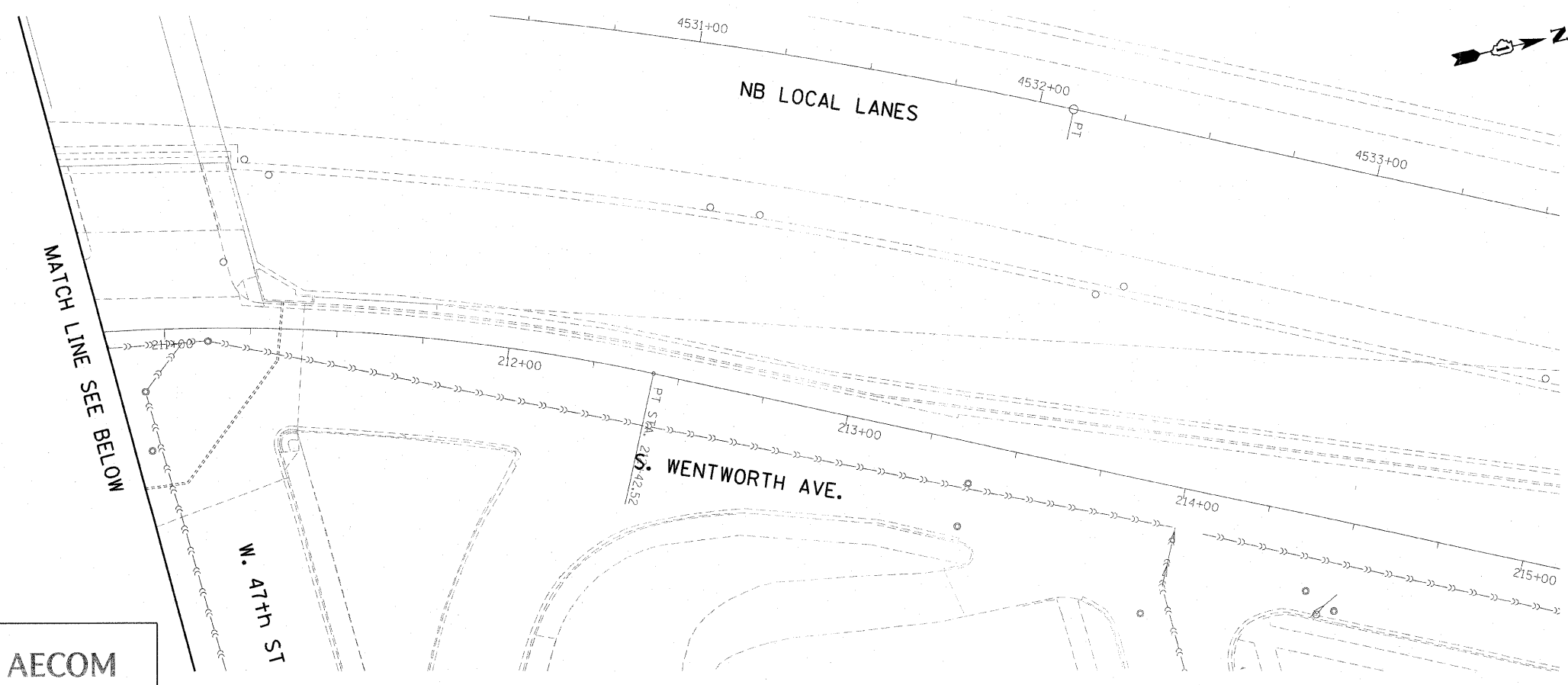
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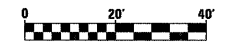


EROSION CONTROL NOTES:

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.
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
REVISION 1	9/19/08

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

EROSION CONTROL PLANS

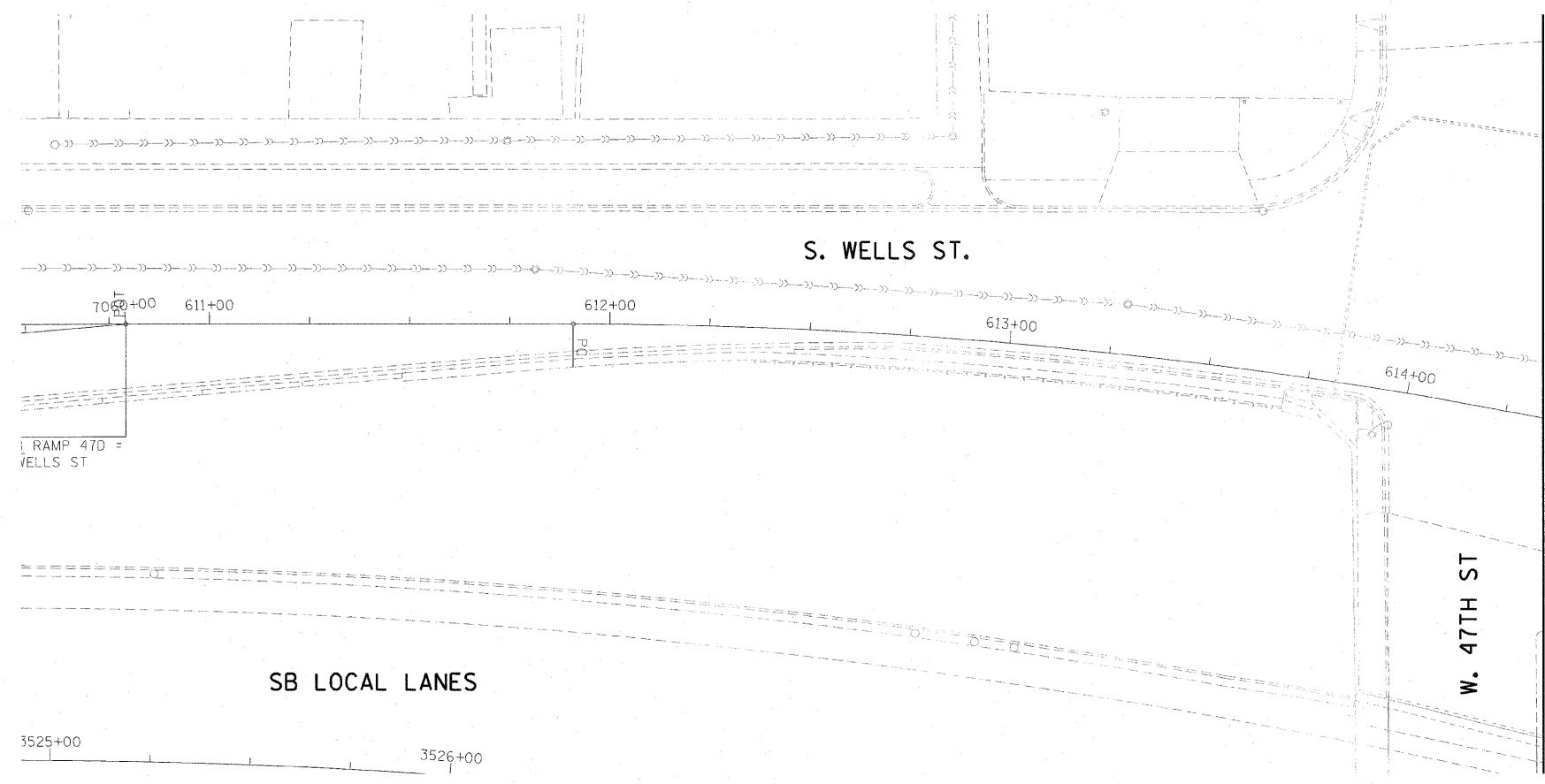
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DRAWN BY: MK
 CHECKED BY: RMG

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-072 LS	COOK	38	20
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT		

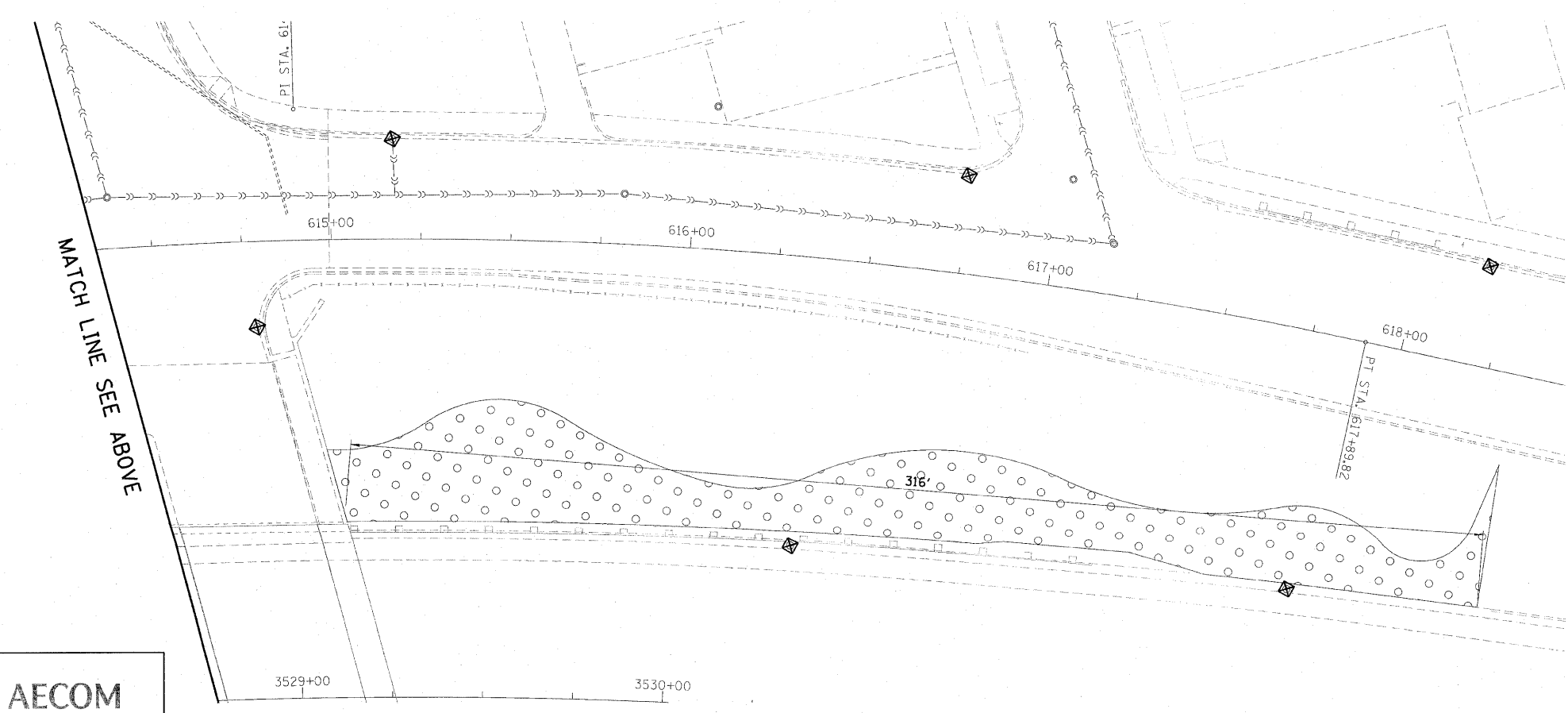
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MATCH LINE SEE BELOW

EROSION CONTROL NOTES:

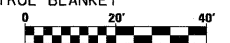
1. EROSION CONTROL ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ITEMS ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES, WHICH WILL POTENTIALLY CREATE ERODABLE CONDITIONS.
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3. THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN SEDIMENT CONTROL MEASURES PRIOR TO STRIPPING EXISTING VEGETATION.
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MATCH LINE SEE ABOVE

LEGEND:

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



REVISIONS	
NAME	DATE
REVISION 1	9/19/08

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

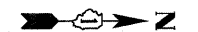
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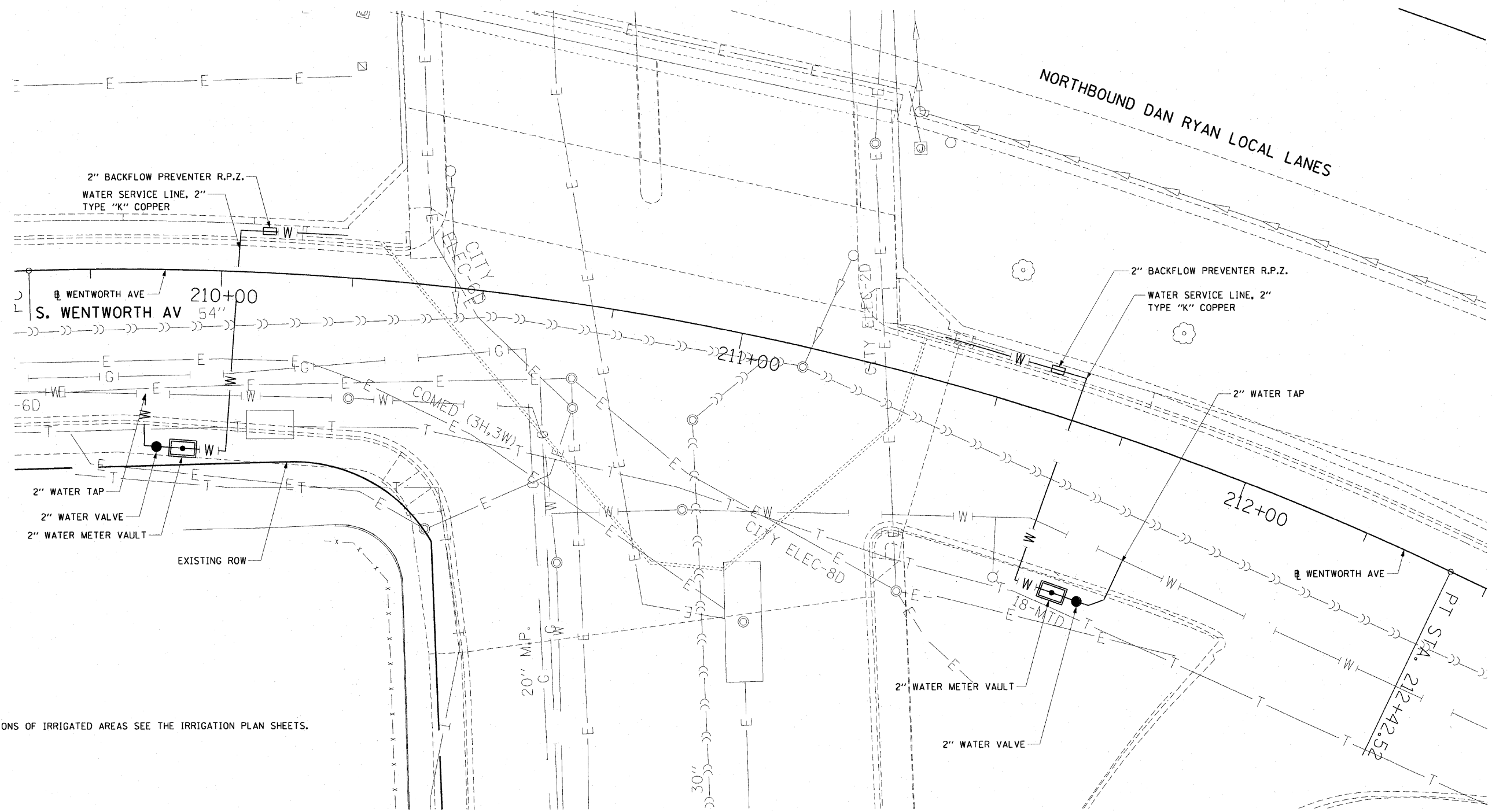
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F.A.I. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-072 LS	COOK	38	21
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

60A78



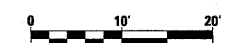
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NOTES:

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

W. 47TH ST



REVISIONS	
NAME	DATE

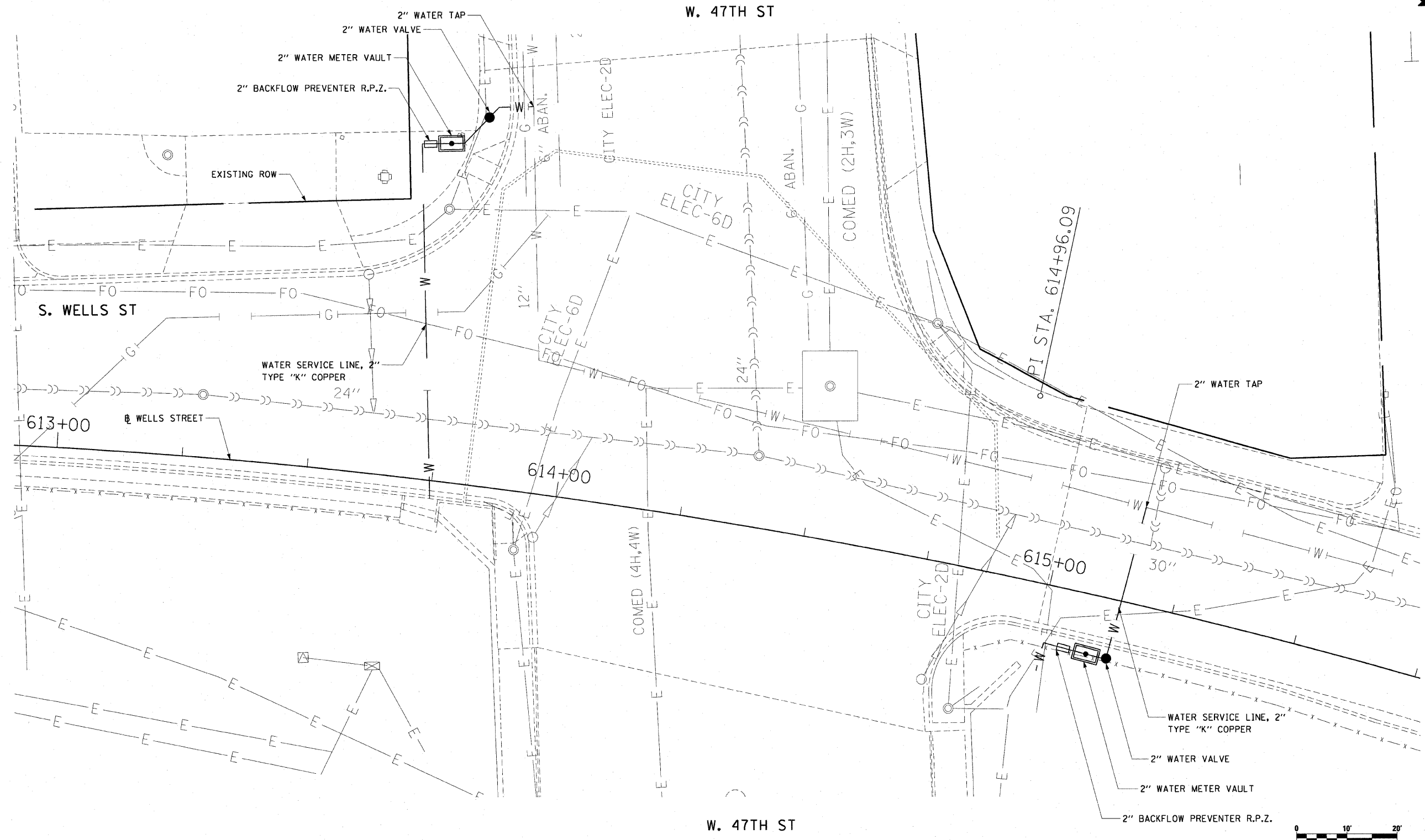
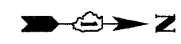
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 47TH STREET GATEWAY LANDSCAPING AND IRRIGATION

WATER SERVICE LINE PLANS

SCALE: 1"=10'
 DATE: MAY 02, 2008
 DRAWN BY: RMG
 CHECKED BY: JAL

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- 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	15	
INTERMEDIATE TREES								
AG	Amelanchier x grandiflora 'Princess Diana'	Princess Diana Apple Serviceberry	8' height	B&B	multi-stem, 12' o.c.	each	16	
SHRUBS								
RR	Rosa 'RADrazz'	Knock Out Rose	3 gallon	pot	24" o.c.	each	564	
PERENNIAL PLANTS, DAYLILIES								
HC	Hemerocallis 'Chicago Apache'	Chicago Apache Daylily	1 gallon	pot	15" o.c.	UNIT	7.73	
HP	Hemerocallis 'Pardon Me'	Pardon Me Daylily	1 gallon	pot	18" o.c.	UNIT	3.33	
HR	Hemerocallis 'Royal Occasion'	Royal Occasion Daylily	1 gallon	pot	15" o.c.	UNIT	6.61	
							Total units	17.67
PERENNIAL PLANTS, GALLON POT								
BS	Baptisia sphaerocarpa	Yellow Baptisia	1 gallon	pot	15" o.c.	UNIT	7.3	
LS	Liatris spicata 'Kolbold'	Kolbold Spike Gayfeather	1 gallon	pot	15" o.c.	UNIT	7.3	
NF	Nepeta faassenii 'Walker's Low'	Walker's Low Faassen's Catmint	1 gallon	pot	18" o.c.	UNIT	3.76	
RP	Ratibida pinnata	Prairie Coneflower	1 gallon	pot	15" o.c.	UNIT	6.18	
SN	Salvia nemorosa 'Wesuwe'	Wesuwe Salvia	1 gallon	pot	15" o.c.	UNIT	6.18	
SV	Salvia verticillata 'Purple Rain'	Purple Rain Lilac Salvia	1 gallon	pot	18" o.c.	UNIT	3.33	
							Total units	34.05
PERENNIAL PLANTS, ORNAMENTAL GRASS TYPE								
CA	Calamagrostis acutiflora 'Karl Foerster'	Karl Foerster Feather Reed Grass	1 gallon	pot	15" o.c.	UNIT	6	
MP	Miscanthus sinensis 'Purpurescens'	Purple Maiden Grass	1 gallon	pot	18" o.c.	UNIT	4.22	
MS	Miscanthus sinensis 'Silberfeder'	Silver Feather Eulalia Grass	1 gallon	pot	18" o.c.	UNIT	3.19	
PR	Panicum virgatum 'Rotstrahlbusch'	Rotstrahlbusch Switch Grass	1 gallon	pot	18" o.c.	UNIT	4.1	
PS	Panicum virgatum 'Shenandoah'	Shenandoah Switch Grass	1 gallon	pot	18" o.c.	UNIT	3.65	
SH	Sporobolus heterolepis	Prairie Dropseed	1 gallon	pot	18" o.c.	UNIT	4.14	
							Total units	25.3

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	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	3.99	
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	1.95	
							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 - SOUTHWEST CORNER GARDEN								
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

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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 'Purpurescens'	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 - 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	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 - 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	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 - NORTHWEST 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

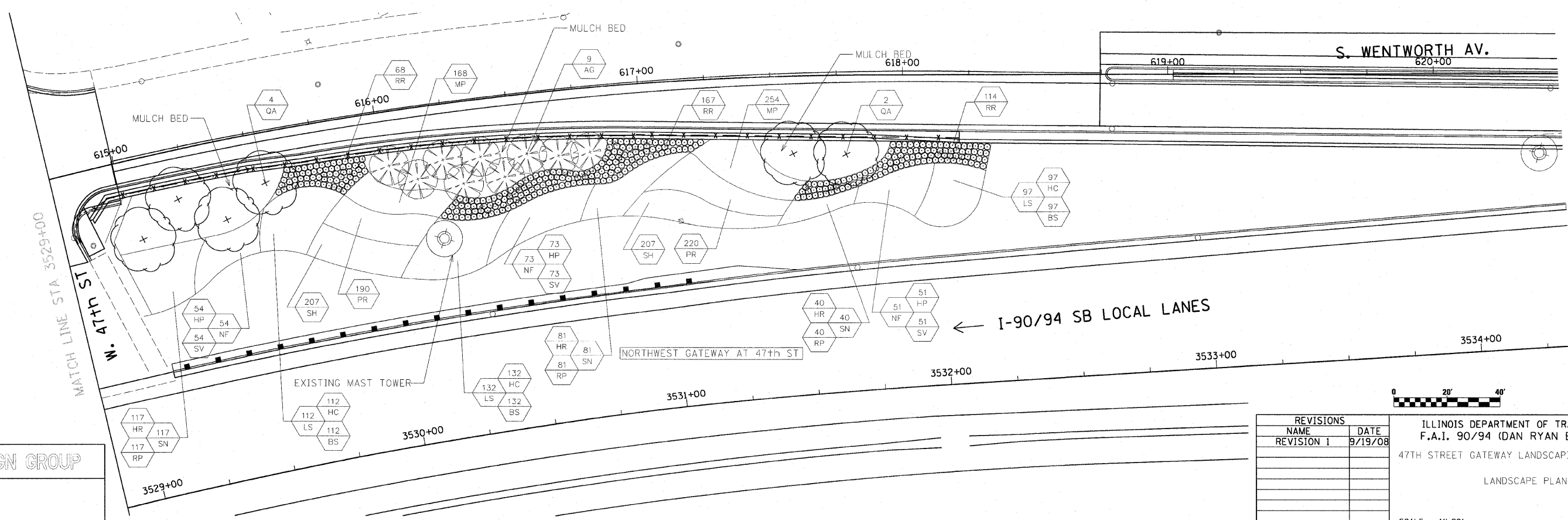
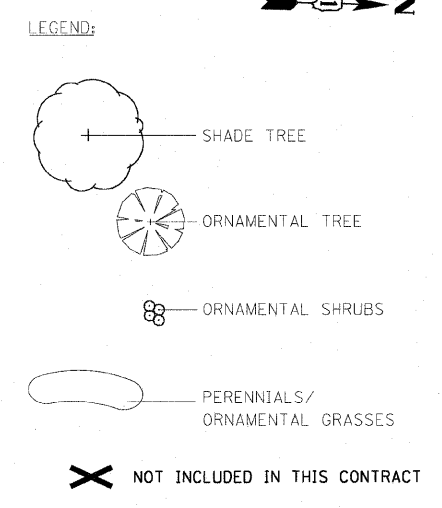
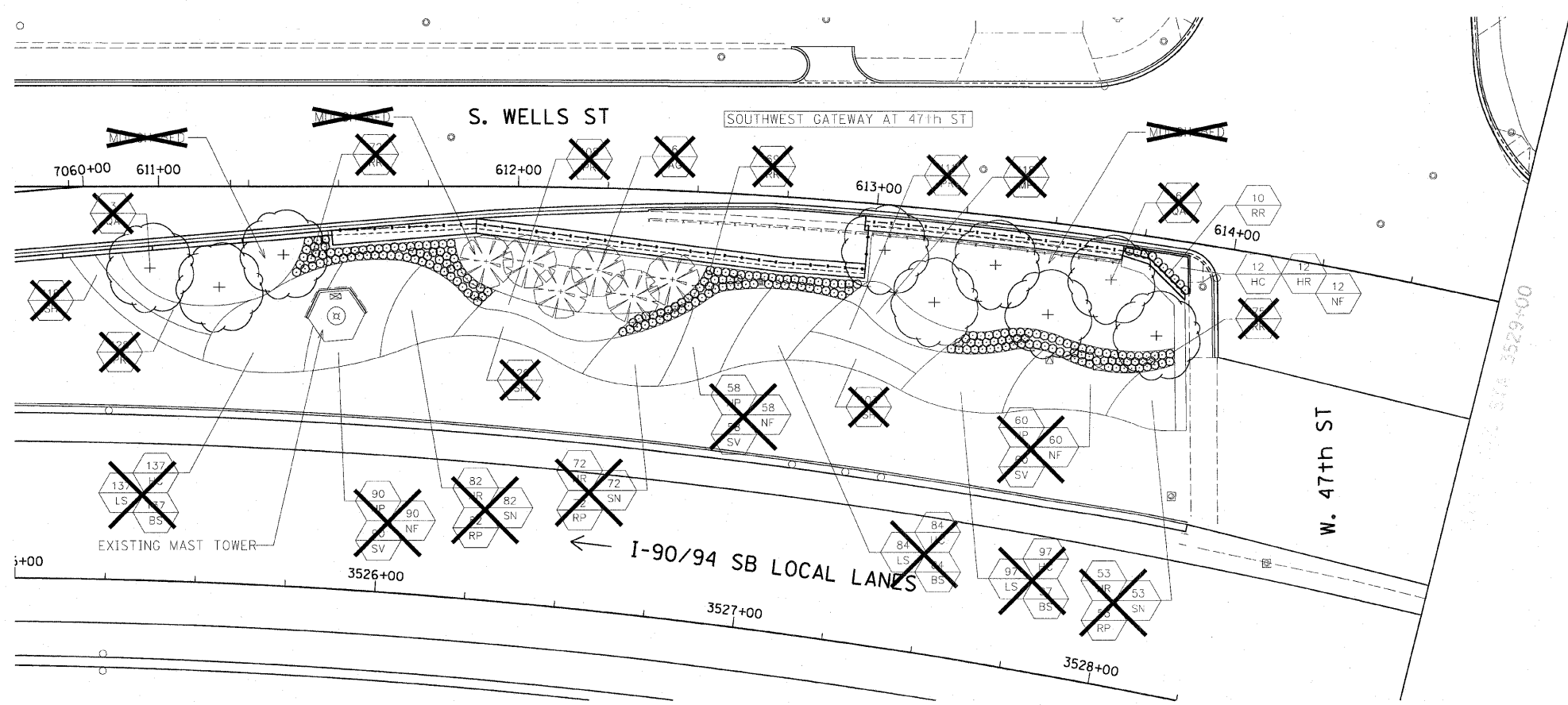
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REVISIONS	
NAME	DATE
REVISION 1	9/19/08

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

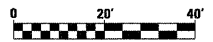
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-072 LS	COOK	38	24
STA. 3525+00		TO STA. 3534+50		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

60A78



SITE DESIGN GROUP

REVISIONS	
NAME	DATE
REVISION 1	9/19/08



SHT-L1

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

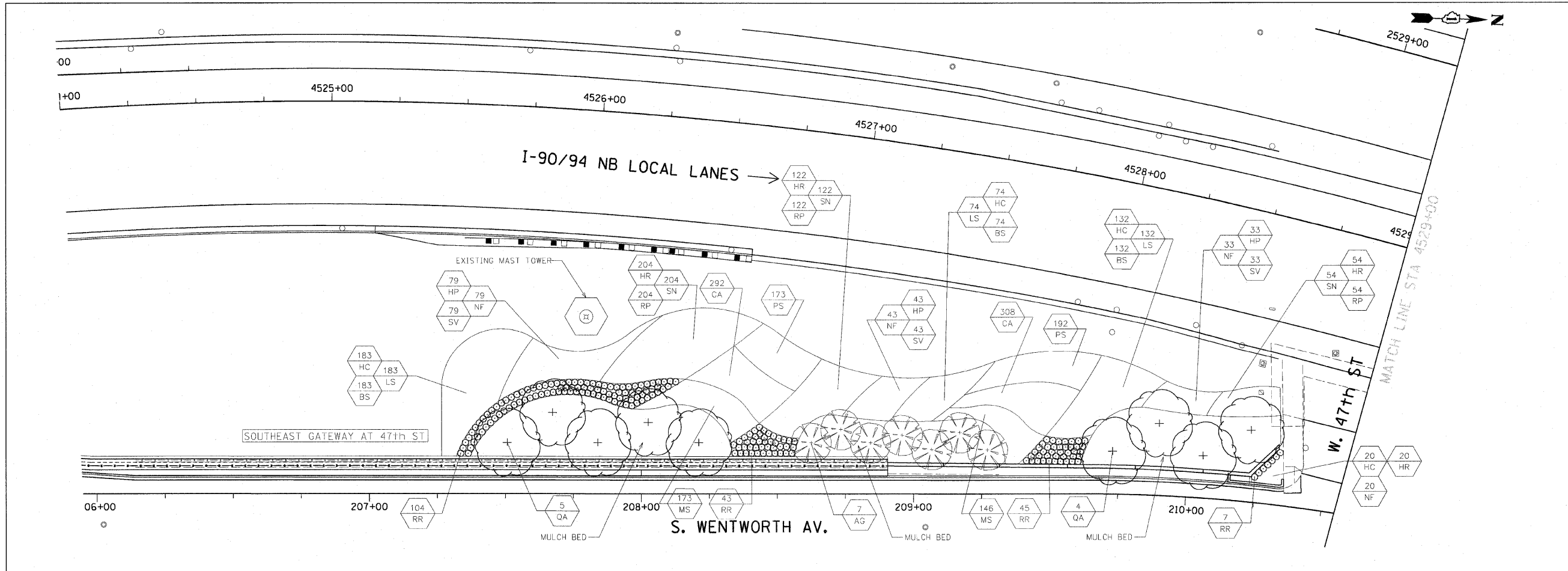
DRAWN BY: EM
CHECKED BY: JO

I:\p\0466\c\1\29-gateway_1\irrigation\scg\080908\scg_files\612_47th\ldgn

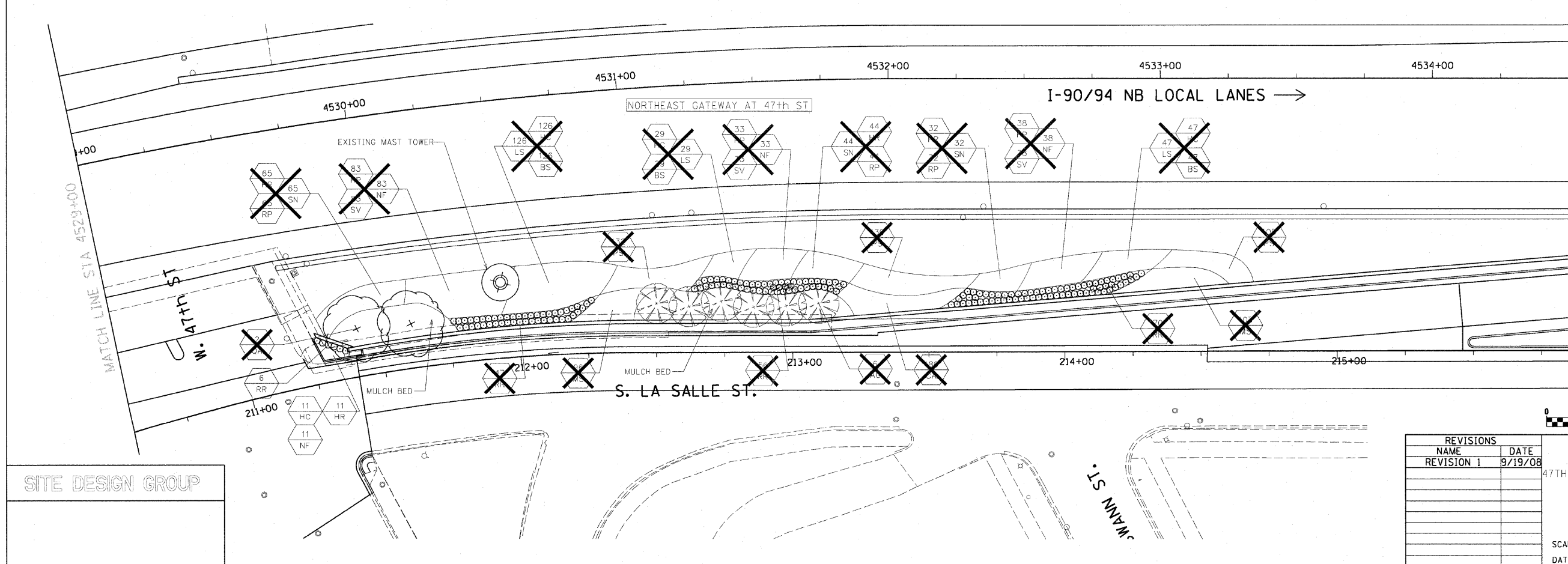
9/18/2008 1:08:27 PM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-072 LS	COOK	38	25
STA. 4524+00	TO STA. 4534+50			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

60A78



- LEGEND:
- SHADE TREE
 - ORNAMENTAL TREE
 - ORNAMENTAL SHRUBS
 - PERENNIALS/
ORNAMENTAL GRASSES
 - NOT INCLUDED IN THIS CONTRACT



SITE DESIGN GROUP

REVISIONS	
NAME	DATE
REVISION 1	9/19/08

SHT-L2

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

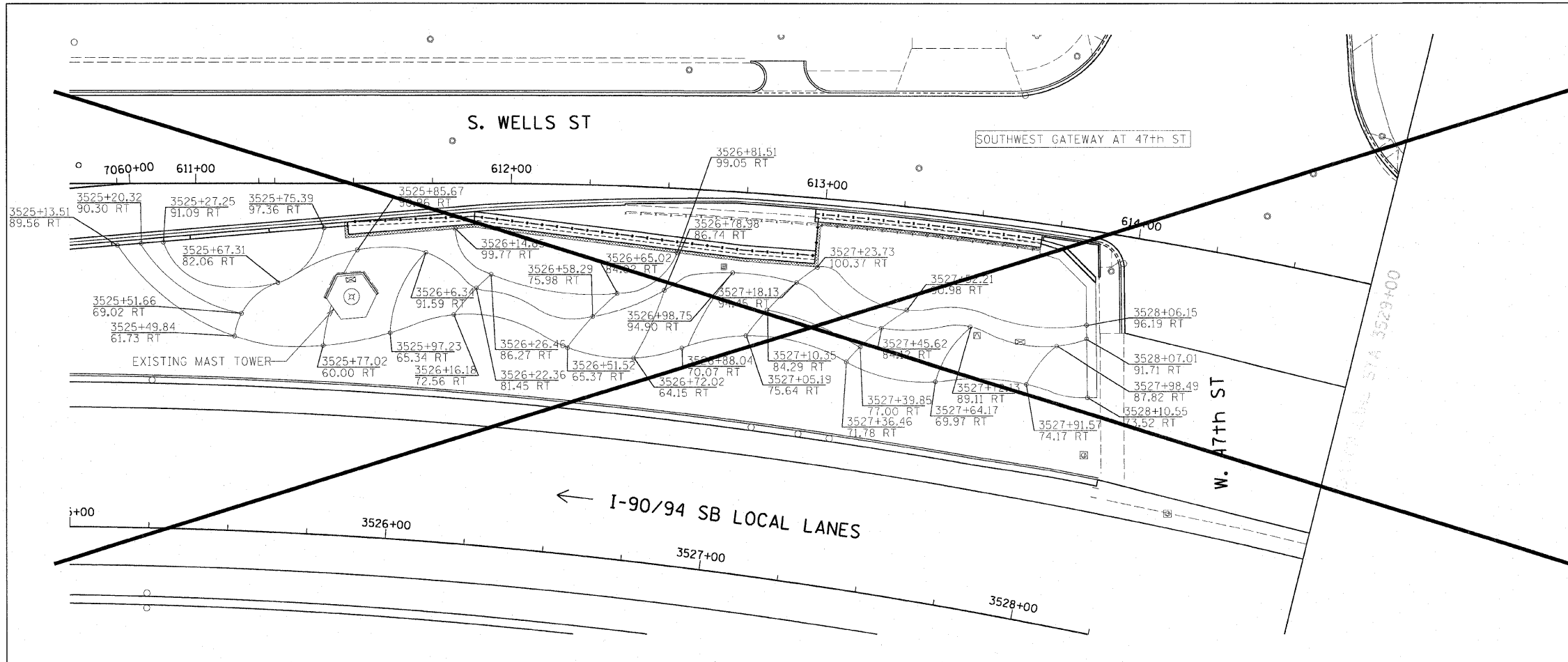
SCALE: 1"=20'
DATE: May 2, 2008

DRAWN BY: EM
CHECKED BY: JO

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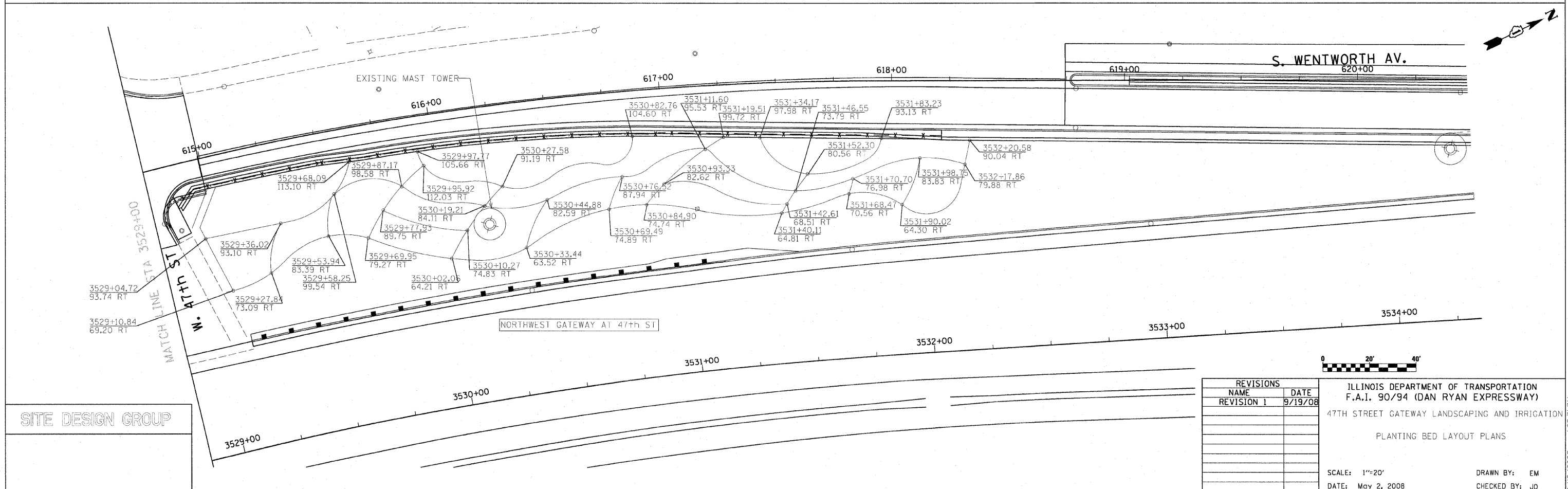
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-072 LS	COOK	38	26
STA. 3525+00		TO STA. 3534+50		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

60A78



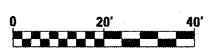
X NOT INCLUDED IN THIS CONTRACT

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
REVISION 1	9/19/08



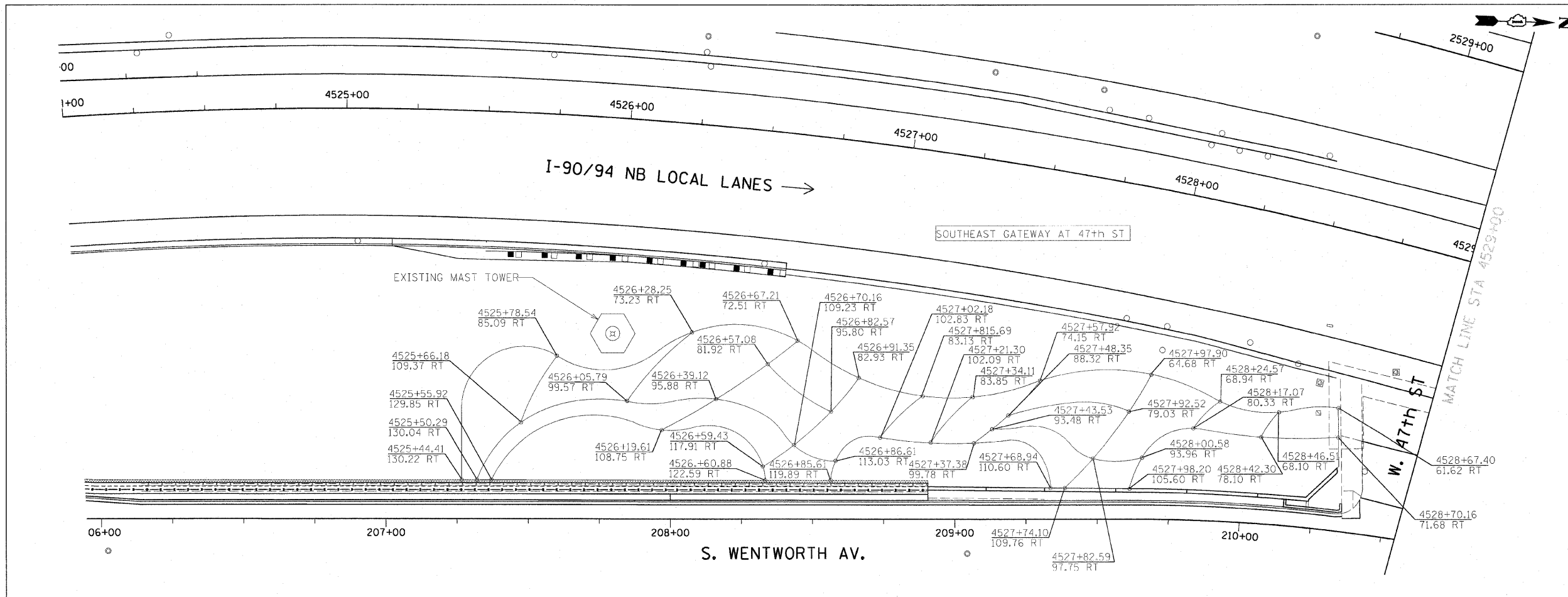
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 47TH STREET GATEWAY LANDSCAPING AND IRRIGATION
 PLANTING BED LAYOUT PLANS

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

DRAWN BY: EM
 CHECKED BY: JO

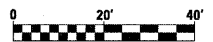
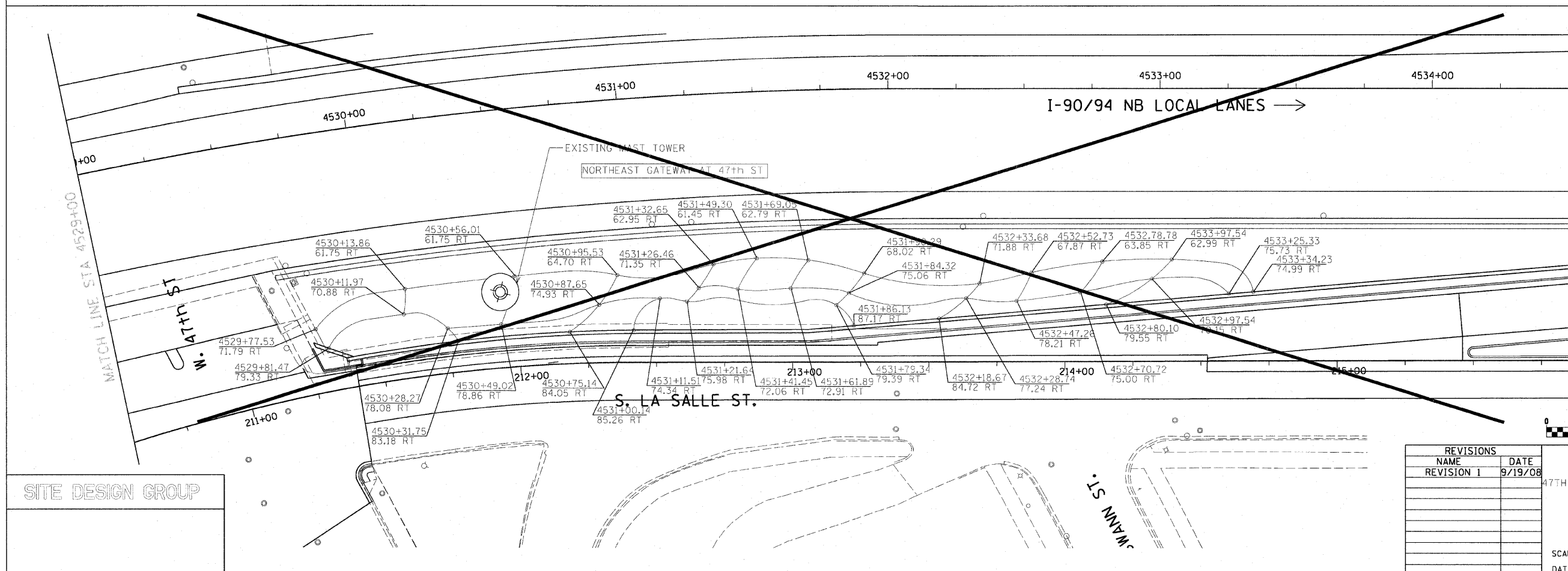
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	2005-072 LS	COOK	38	27
STA. 4524+00	TO STA. 4534+50			
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
60A78				



X NOT INCLUDED IN THIS CONTRACT

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.



REVISIONS	
NAME	DATE
REVISION 1	9/19/08

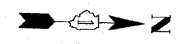
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 47TH STREET GATEWAY LANDSCAPING AND IRRIGATION
 PLANTING BED LAYOUT PLANS
 SCALE: 1"=20'
 DATE: May 2, 2008
 DRAWN BY: EM
 CHECKED BY: JO

SITE DESIGN GROUP

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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		

60A78

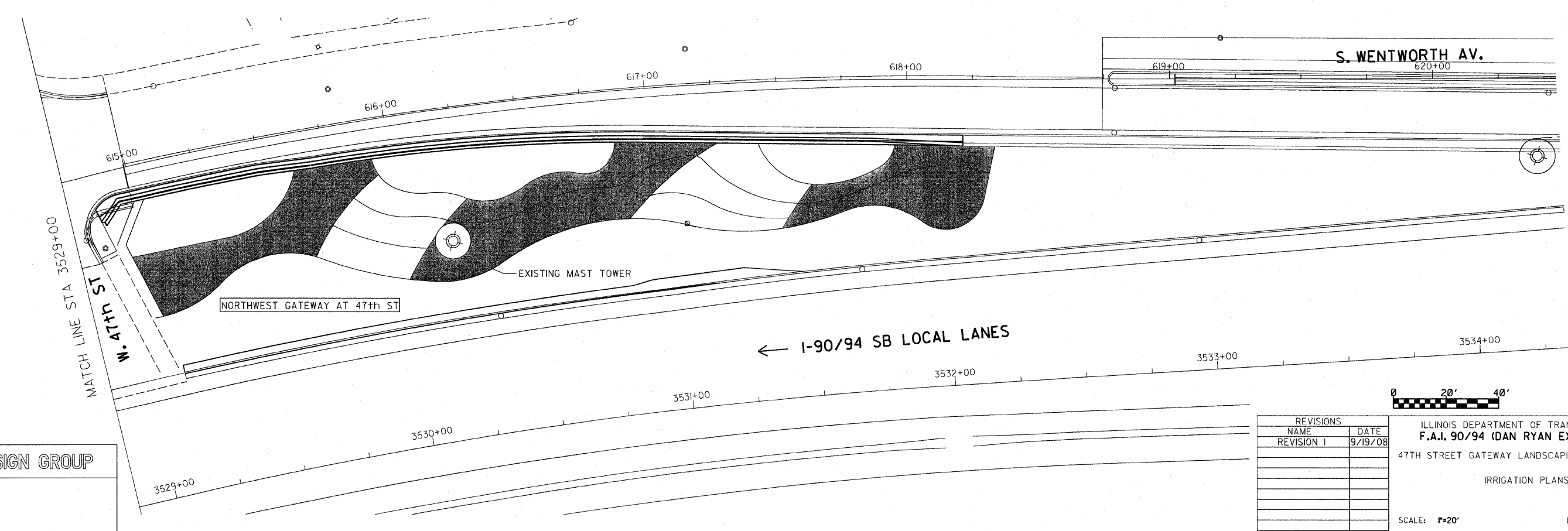
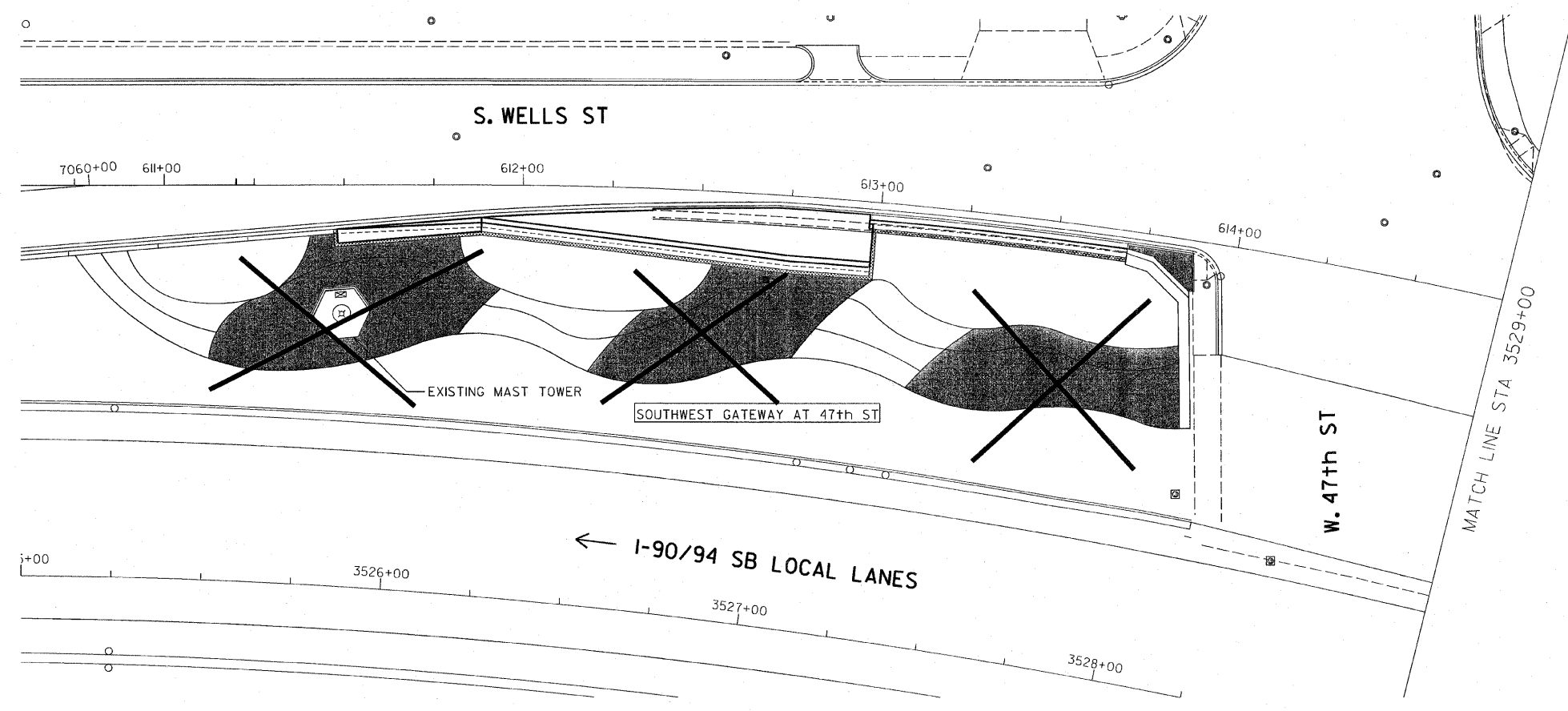


LEGEND:

- AREA TO BE IRRIGATED
- NOT INCLUDED IN THIS CONTRACT

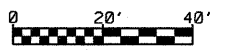
NOTES:

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



SITE DESIGN GROUP

REVISIONS	
NAME	DATE
REVISION 1	9/19/08



SHT-I-1

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

SCALE: **P=20'**
 DATE: May 2, 2008



DRAWN BY: **EM**
 CHECKED BY: **JO**

SDATES \$TIME\$

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		

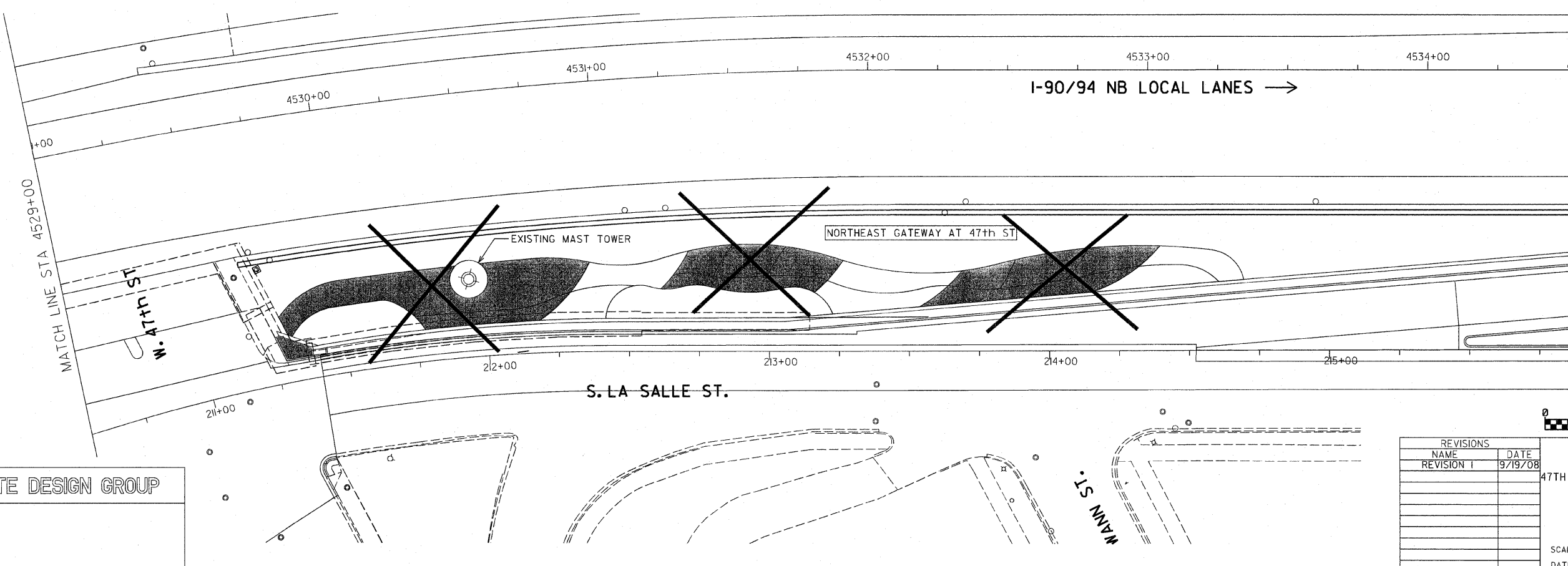
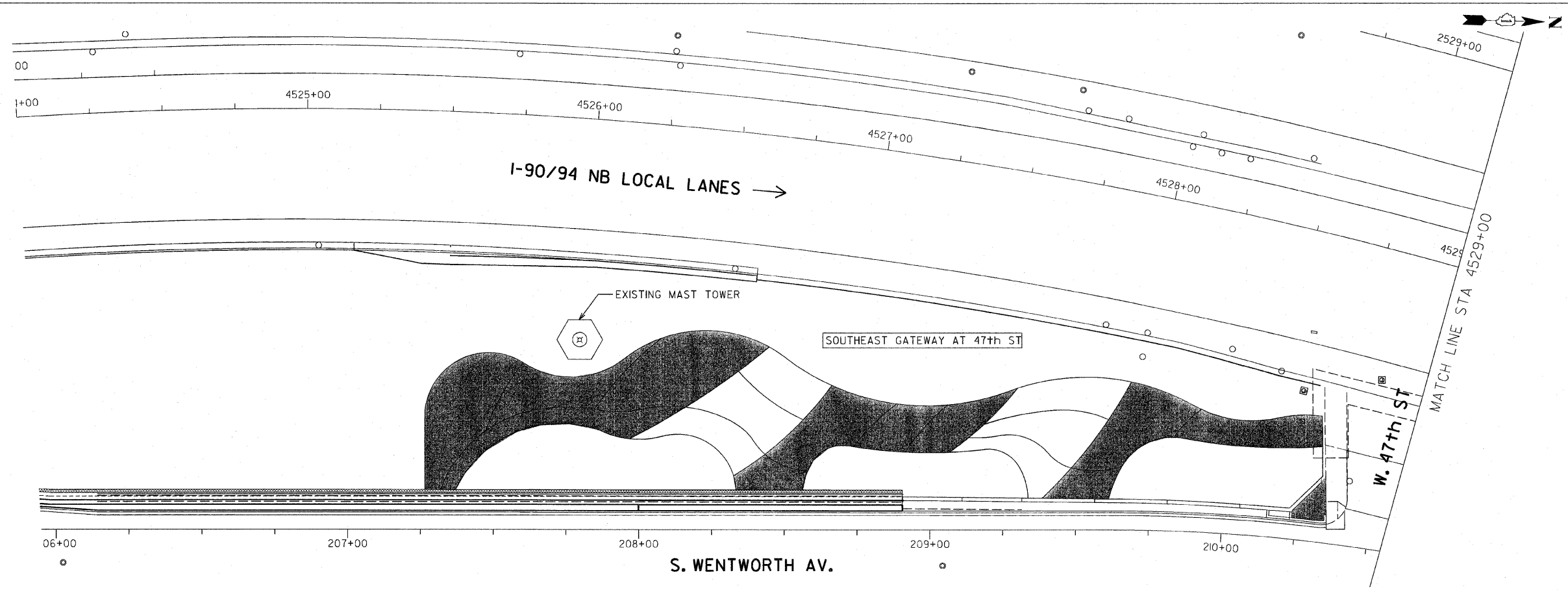
60A78

LEGEND:

-  AREA TO BE IRRIGATED
-  NOT INCLUDED IN THIS CONTRACT

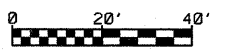
NOTES:

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



SITE DESIGN GROUP

REVISIONS	
NAME	DATE
REVISION 1	9/19/08



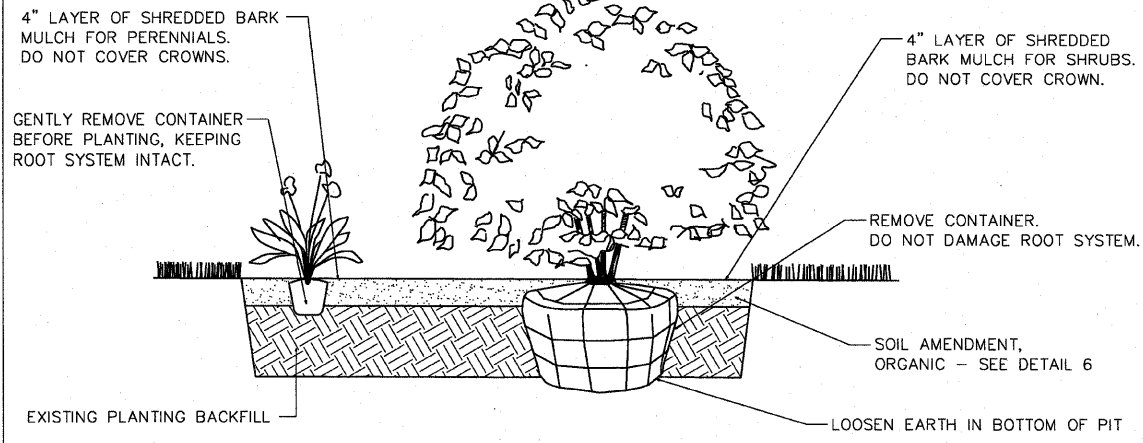
SHT-I-2

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

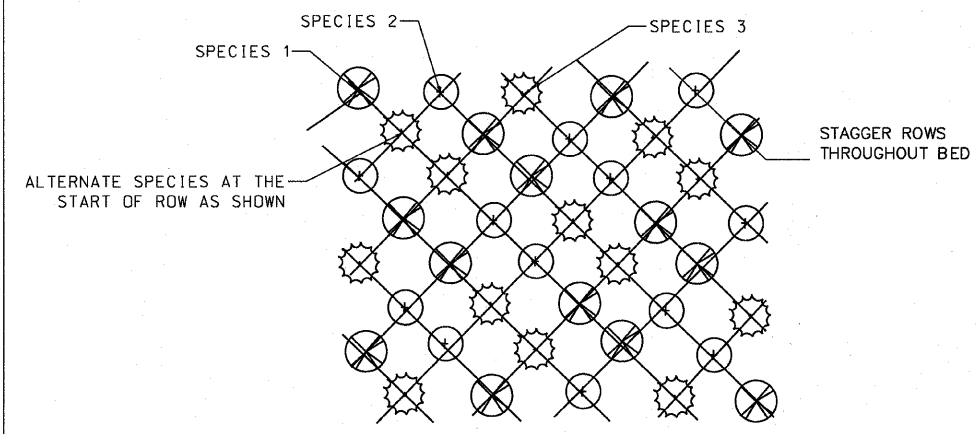
SCALE: 1"=20'
 DATE: May 2, 2008

DRAWN BY: EM
 CHECKED BY: JO

SDATES \$/TIME\$

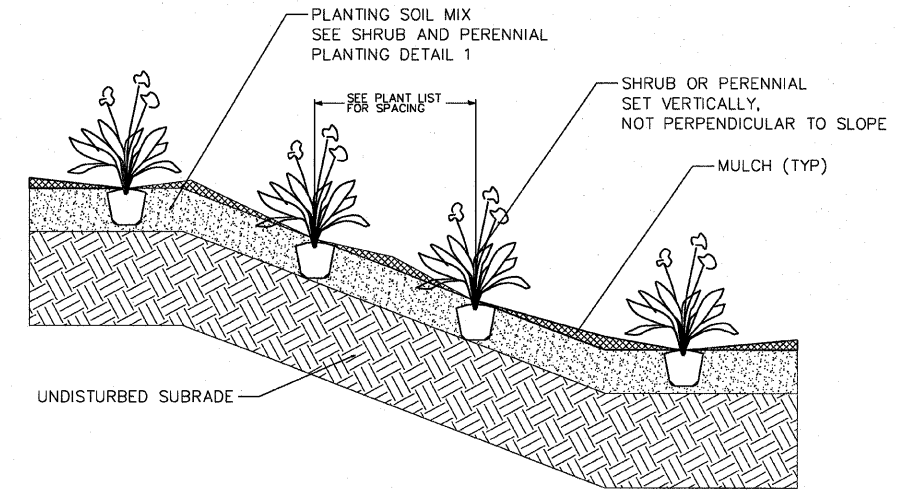


1 SHRUB AND PERENNIAL PLANTING DETAIL
NOT TO SCALE

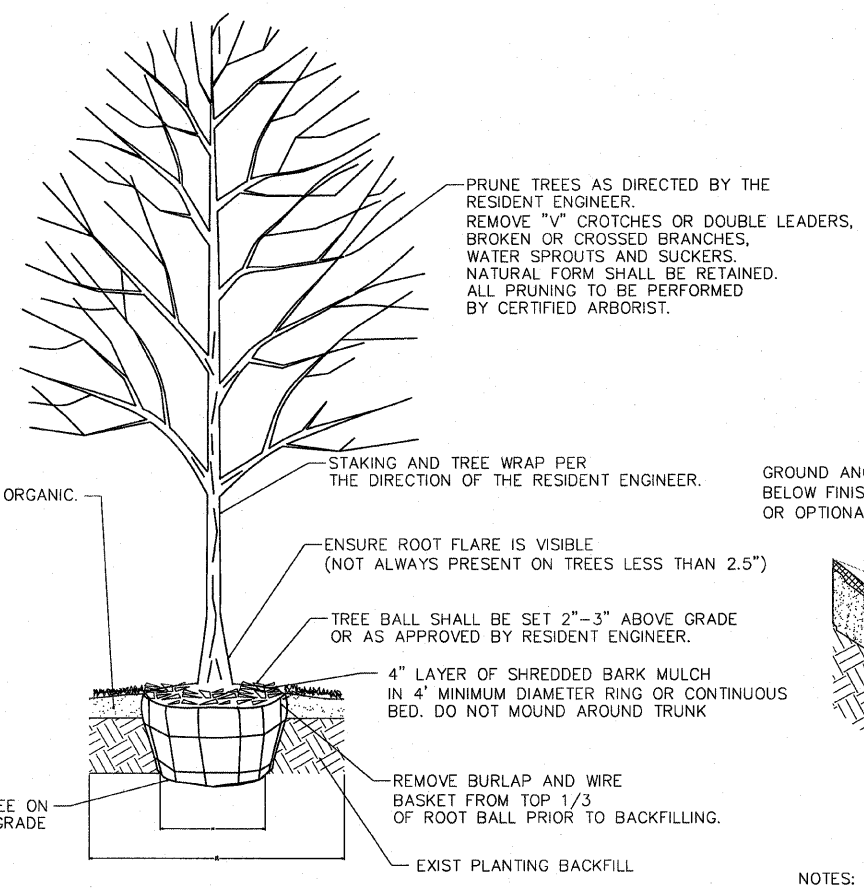


NOTE: PERENNIAL SPACING AND SPECIES VARIES - SEE PLANT SCHEDULES/REMARKS.

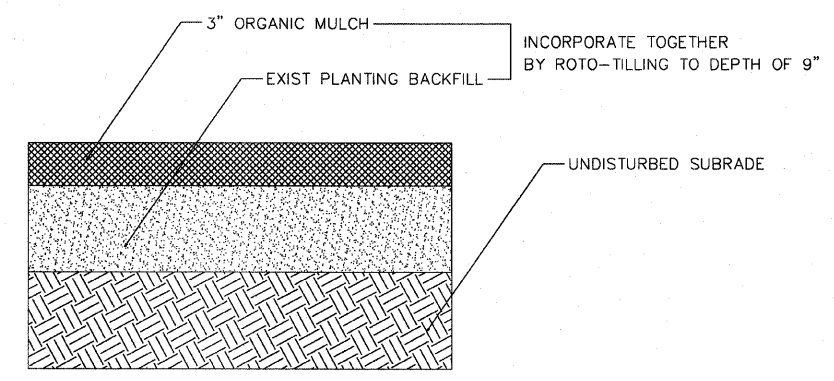
2 PERENNIAL PLANTING DETAIL (3 VARIETIES)
NOT TO SCALE



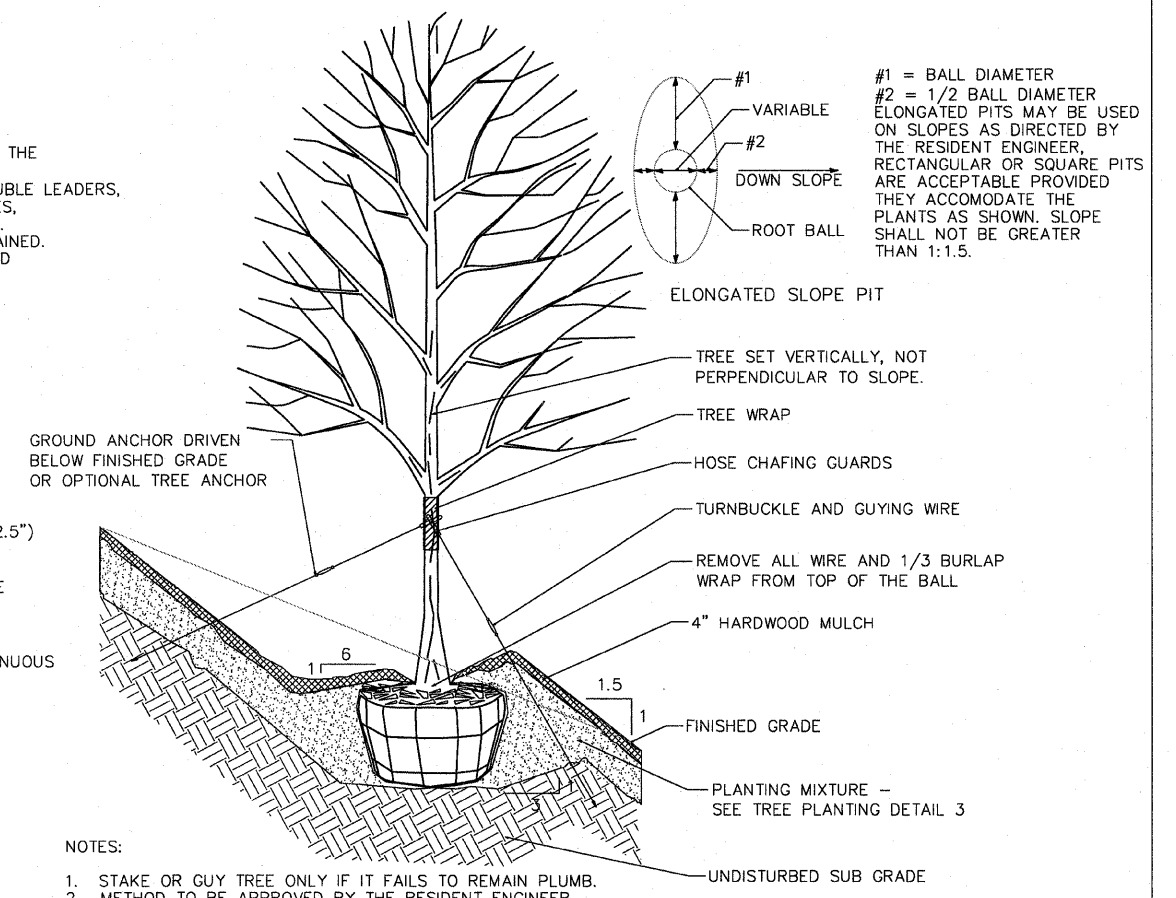
5 SHRUB/PERENNIAL PLANTING ON SLOPE DETAIL
NOT TO SCALE



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.

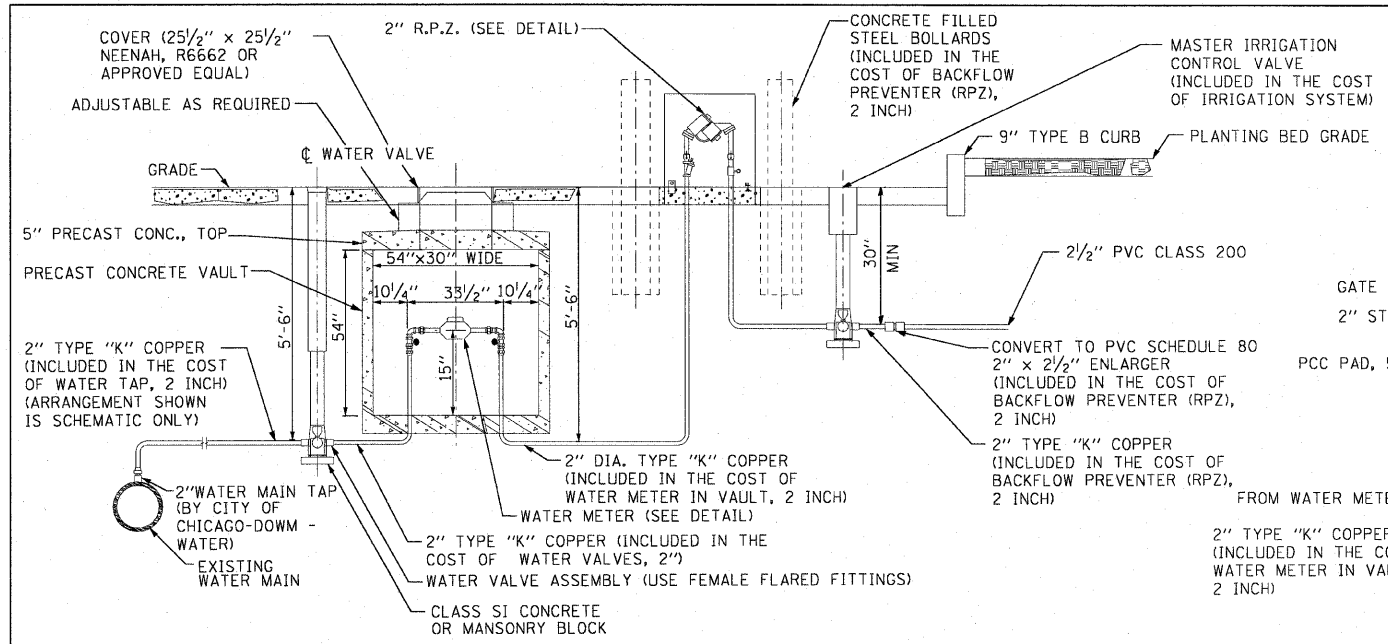
SITE DESIGN GROUP

REVISIONS	
NAME	DATE

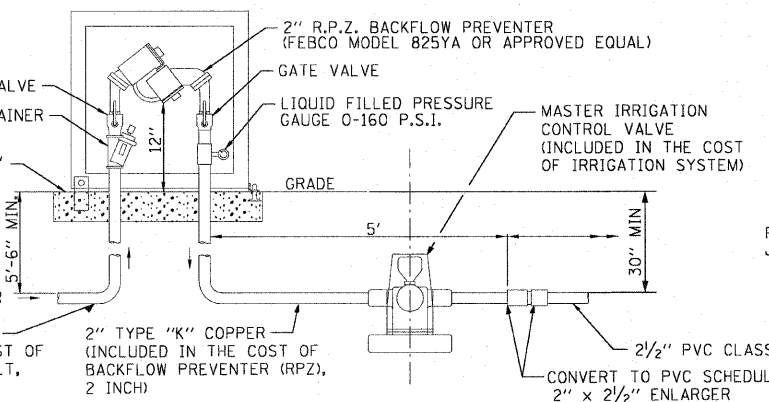
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
 47TH STREET GATEWAY LANDSCAPING AND IRRIGATION
 LANDSCAPE DETAILS
 SCALE: NTS
 DATE: May 2, 2008
 DRAWN BY: EM
 CHECKED BY: JO

\$7/L/\$

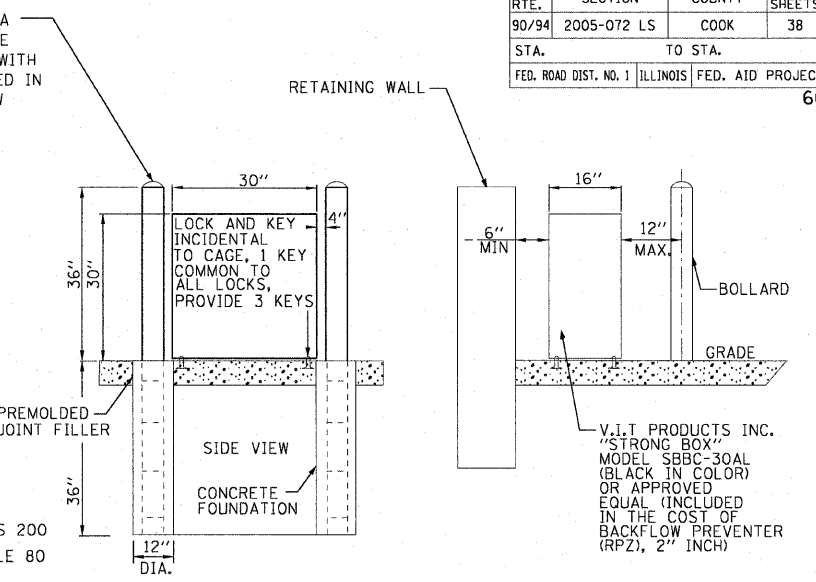
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TYPICAL METER INSTALLATION FOR 2" WATER SERVICE WITH BACK FLOW PREVENTER



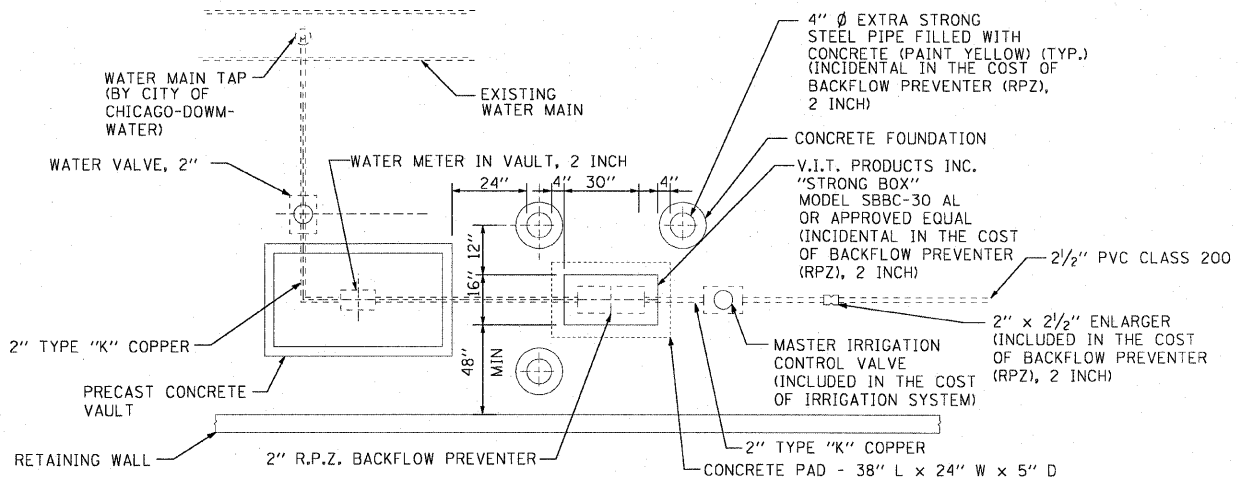
2" R.P.Z. INSTALLATION LAYOUT (IN CONCRETE MEDIAN SURFACE)



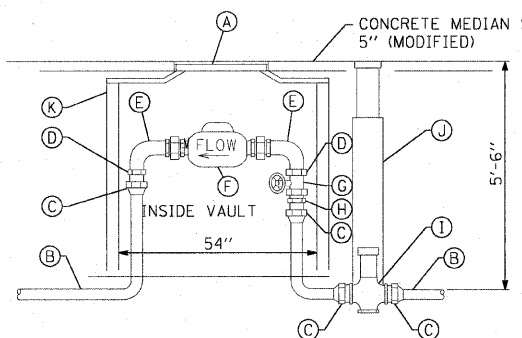
DETAIL OF BACKFLOW PREVENTER ENCLOSURE AND BOLLARDS

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".



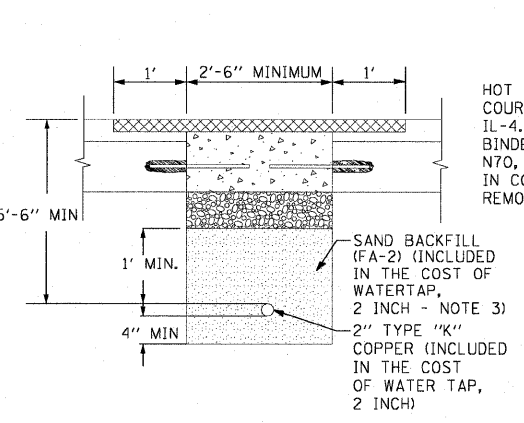
WATER SERVICE CONNECTION PLAN (WATER METER IN CONCRETE MEDIAN SURFACE)



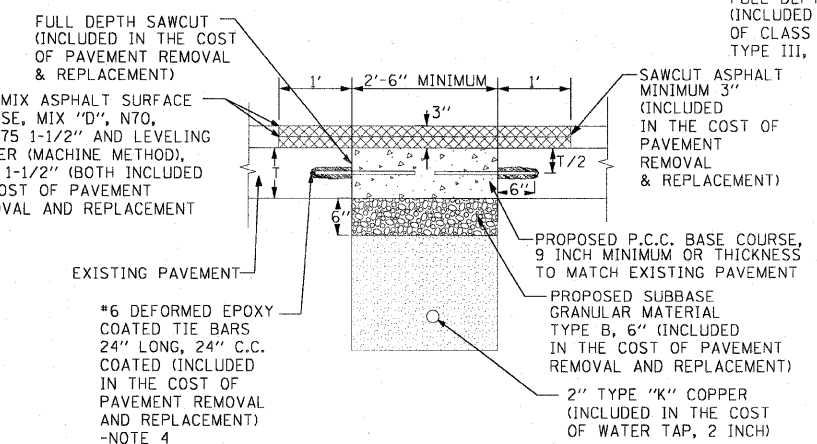
NEW COPPER 2" WATER SERVICE STANDARD METER VAULT

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

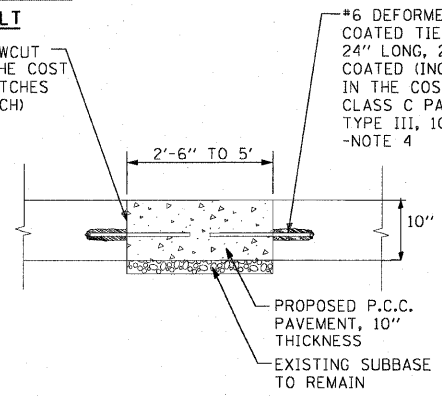
- NOTES:**
1. ALL TIE BARS AND DOWEL BARS TO BE EPOXY COATED (INCLUDED IN THE COST OF PAVEMENT REMOVAL AND REPLACEMENT).
 2. ADDITIONAL ONE FOOT(1') OF BITUMINOUS SURFACE REMOVAL ON EITHER SIDE OF CONCRETE PATCH SHALL BE REMOVED PRIOR TO PLACING BITUMINOUS SURFACE COURSE.
 3. PIPE BEDDING, TAMPED IN 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.



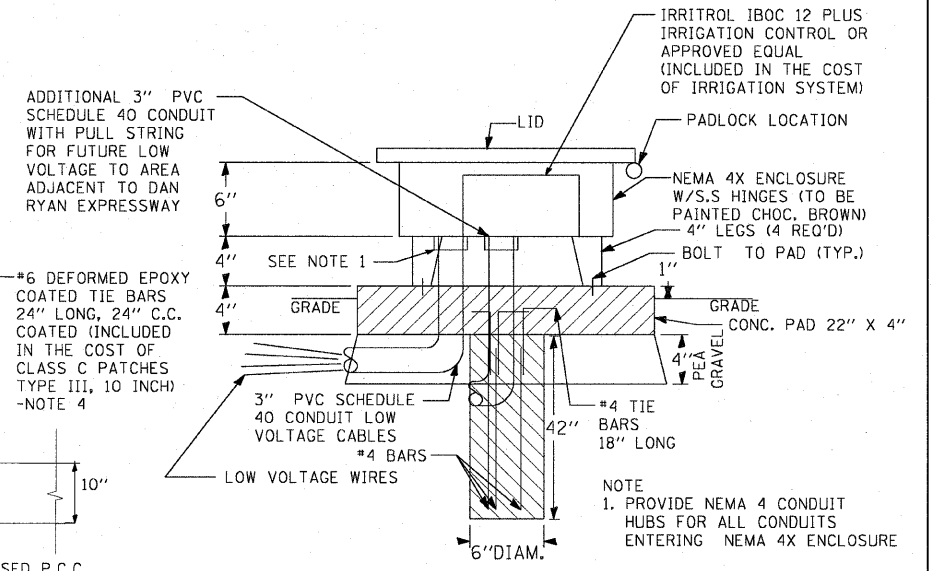
2" TYPE "K" COPPER PIPE (INCLUDED IN THE COST OF WATER TAP, 2 INCH) - PAVEMENT SECTION



PAVEMENT REMOVAL & REPLACEMENT



CLASS C PATCHING TYPE III

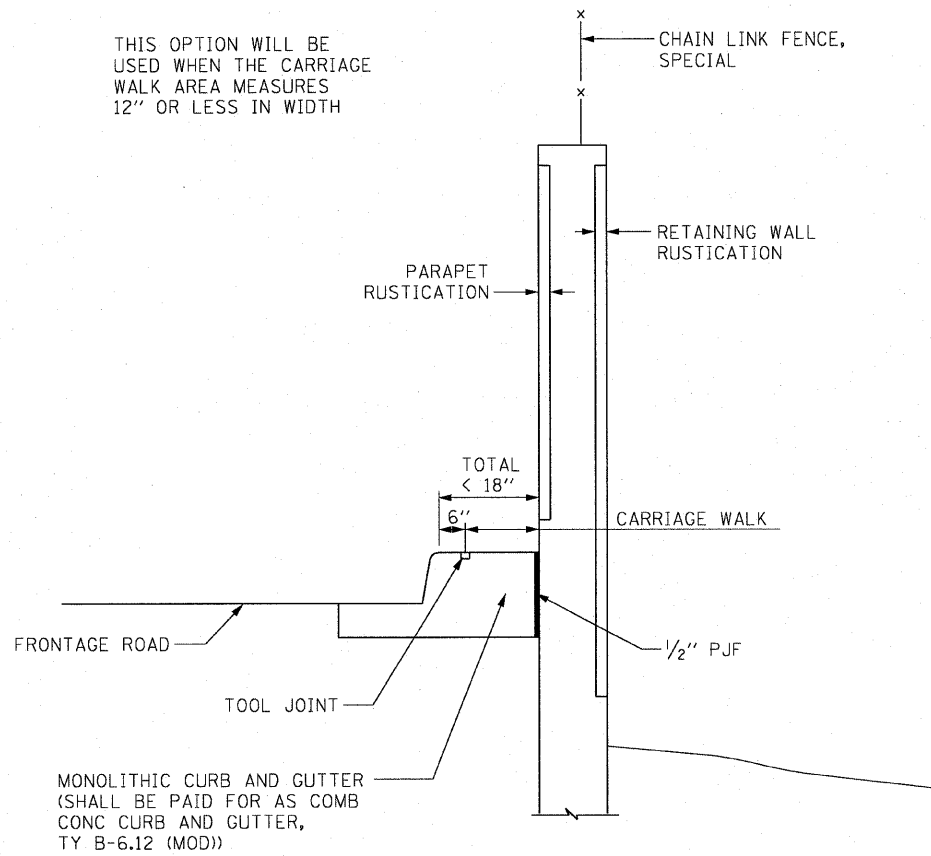


IRRIGATION CONTROLLER NEMA 4X ENCLOSURE - DETAIL

REVISIONS	
NAME	DATE

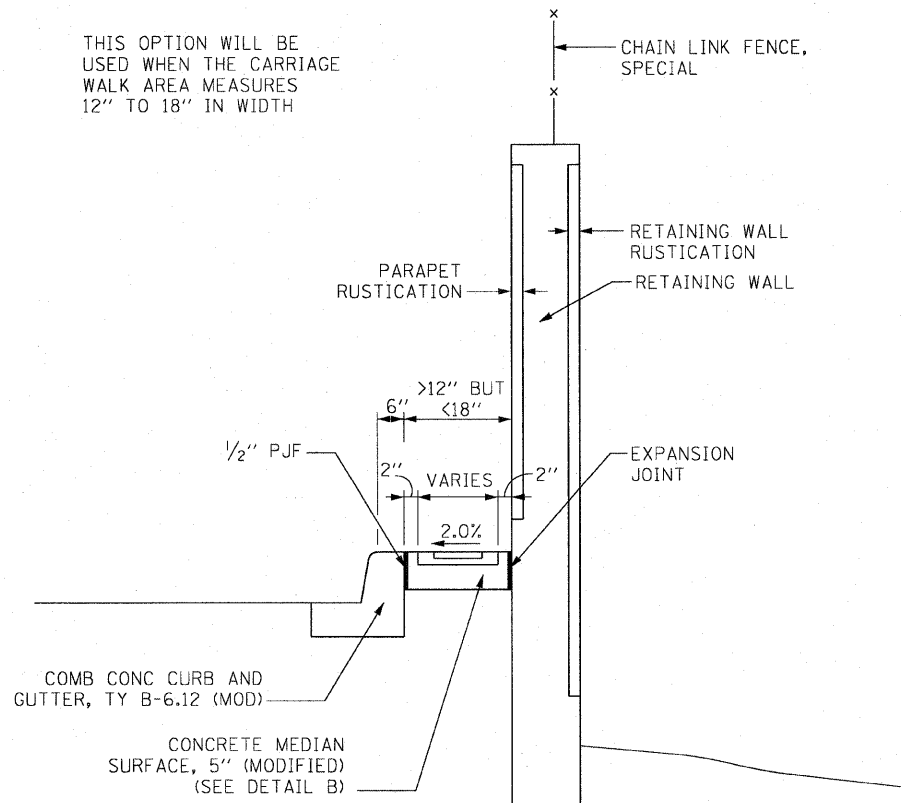
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
47TH STREET GATEWAY LANDSCAPING AND IRRIGATION CONSTRUCTION DETAILS
PLANTING BEDS - STANDARD METER VAULTS, WATER SERVICE INSTALLATION, AND PAVEMENT REMOVAL AND REPLACEMENT DETAILS
SCALE: NONE DRAWN BY: JF
DATE: MAY 02, 2008 CHECKED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

THIS OPTION WILL BE USED WHEN THE CARRIAGE WALK AREA MEASURES 12" OR LESS IN WIDTH



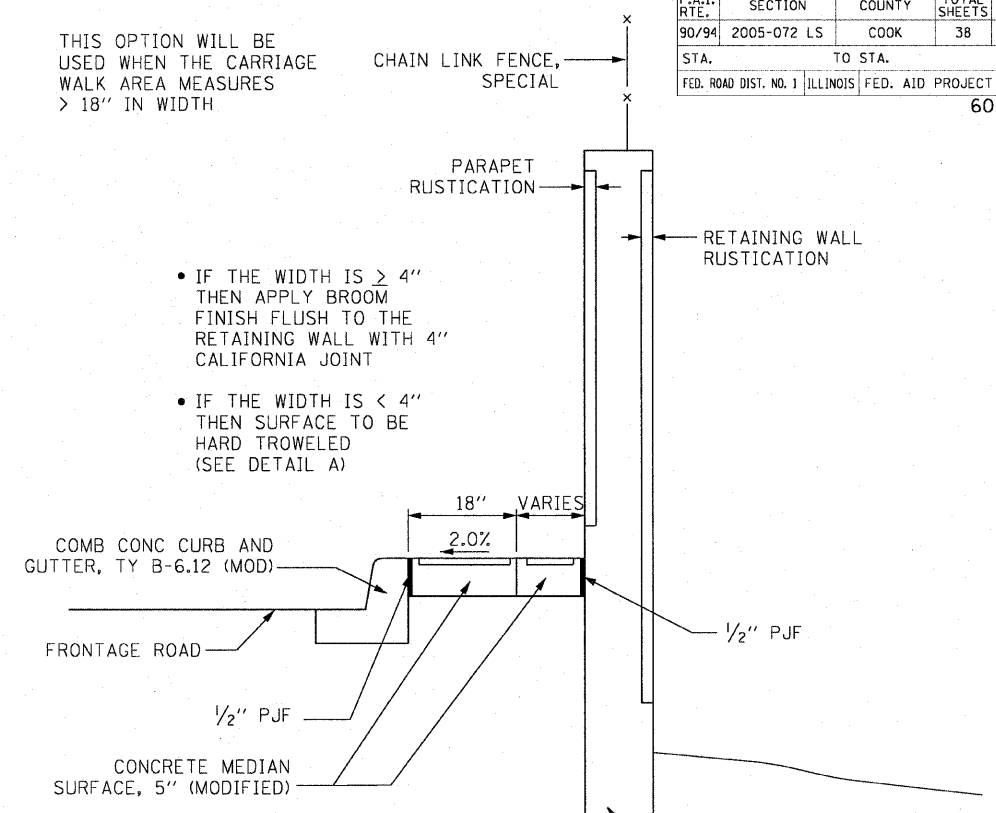
CARRIAGE WALK
AREA < 12" WIDE

THIS OPTION WILL BE USED WHEN THE CARRIAGE WALK AREA MEASURES 12" TO 18" IN WIDTH

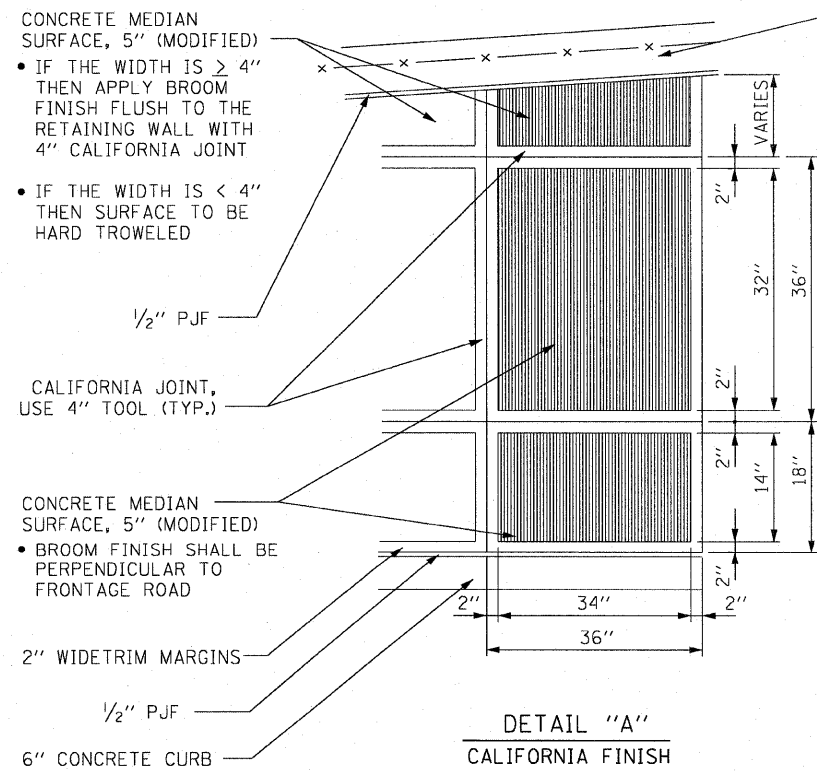


CARRIAGE WALK
AREA 12" TO 18" WIDE

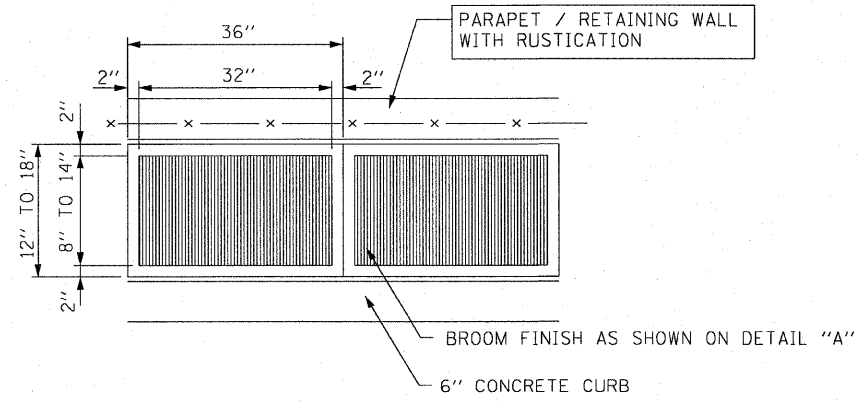
THIS OPTION WILL BE USED WHEN THE CARRIAGE WALK AREA MEASURES > 18" IN WIDTH



CARRIAGE WALK
AREA > 18" WIDE



DETAIL "A"
CALIFORNIA FINISH



DETAIL "B"
CALIFORNIA FINISH

REVISIONS	
NAME	DATE

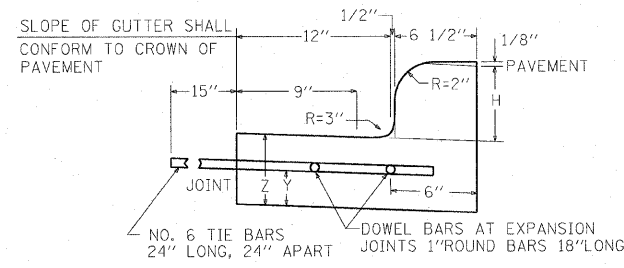
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
47TH STREET GATEWAY LANDSCAPING AND IRRIGATION
CONSTRUCTION DETAILS
CONCRETE MEDIAN SURFACE, 5" (MODIFIED)
CARRIAGE WALK AND CALIFORNIA FINISH DETAIL
SCALE: NONE
DATE: MAY 02, 2008
DRAWN BY: PHP
CHECKED BY: NJH

PA-10-066C/N123-gateway_1rrigation_sfr_22g_147m/mc220022a.sfr 04/05/08 05/01/2008

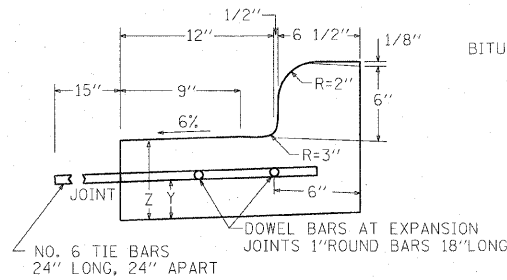
DETAILS OF P.C.C. CURB, GUTTER, COMBINED CURB & GUTTER, MODIFIED CURB & GUTTER

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

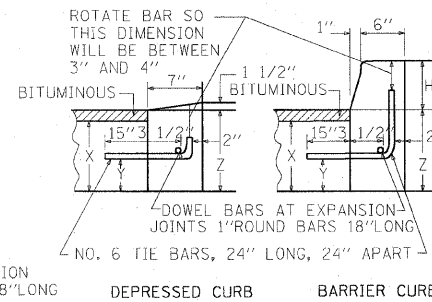
**TYPE BV.12 OR
TYPE 3 CURB & GUTTER**



TYPE B6.12 MOD



TYPE B OR TYPE 4 CURB



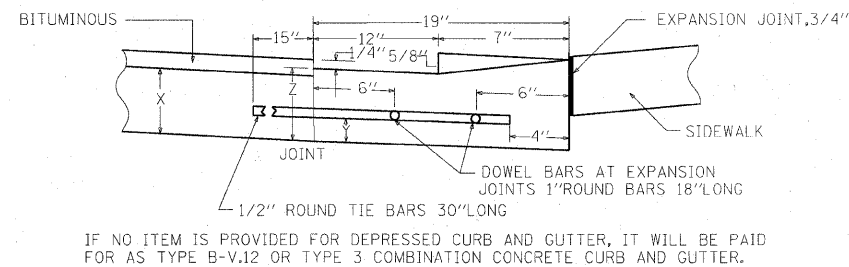
JOINTS IN CURB, GUTTER, COMBINED CURB & GUTTER

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

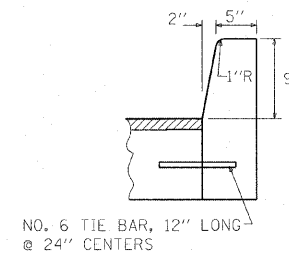
BASIS OF PAYMENT

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.



**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
NO.	DESCRIPTION		

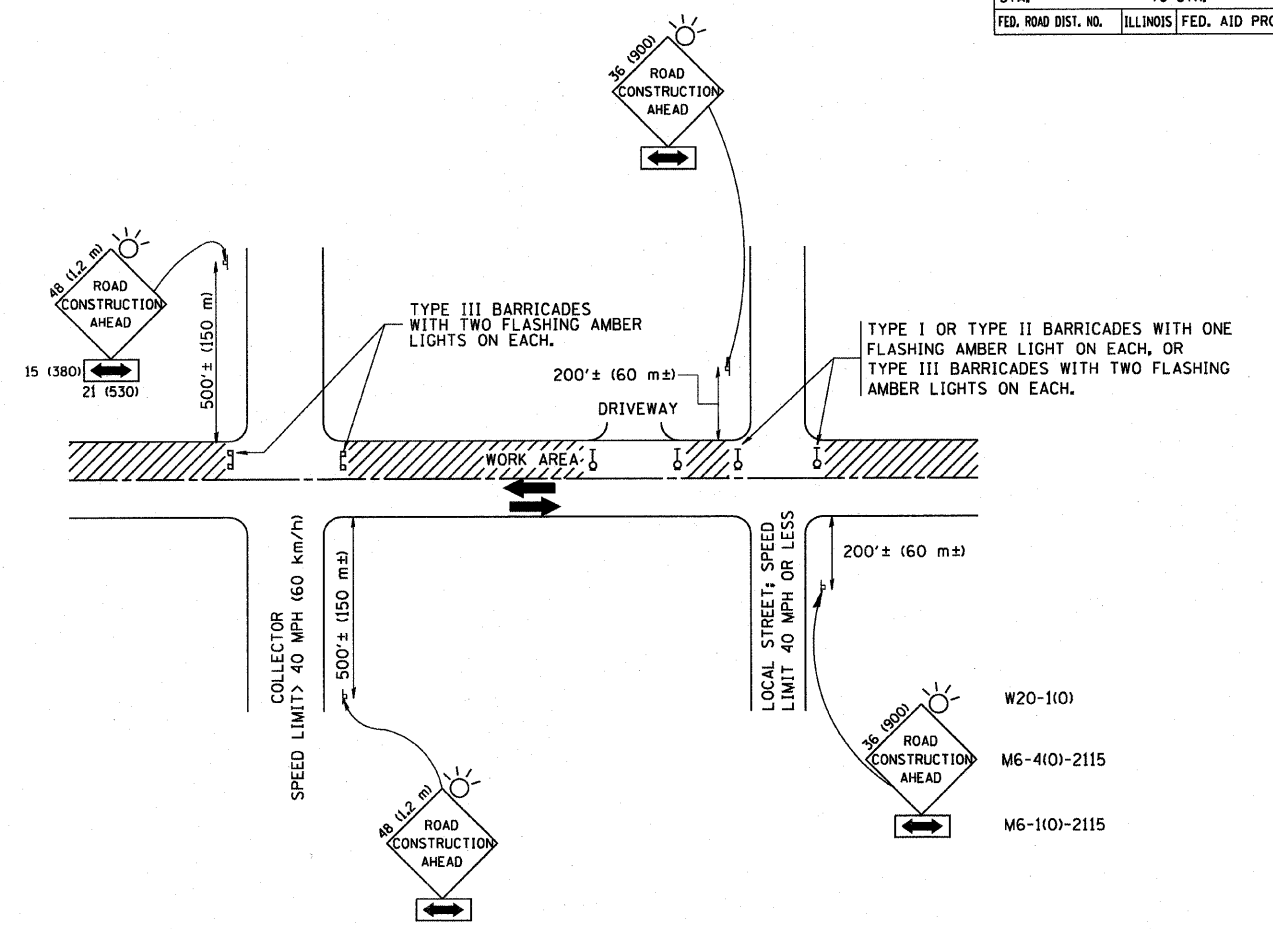
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
47TH STREET GATEWAY LANDSCAPING AND IRRIGATION

**CONSTRUCTION DETAILS
CURB AND GUTTER DETAILS**

SCALE: NONE
DATE: MAY 02, 2008

DRAWN BY: MK
CHECKED BY: RMC

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/44	2005-072 LS	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:
 - 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.
 - 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:
 - 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.
 - 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

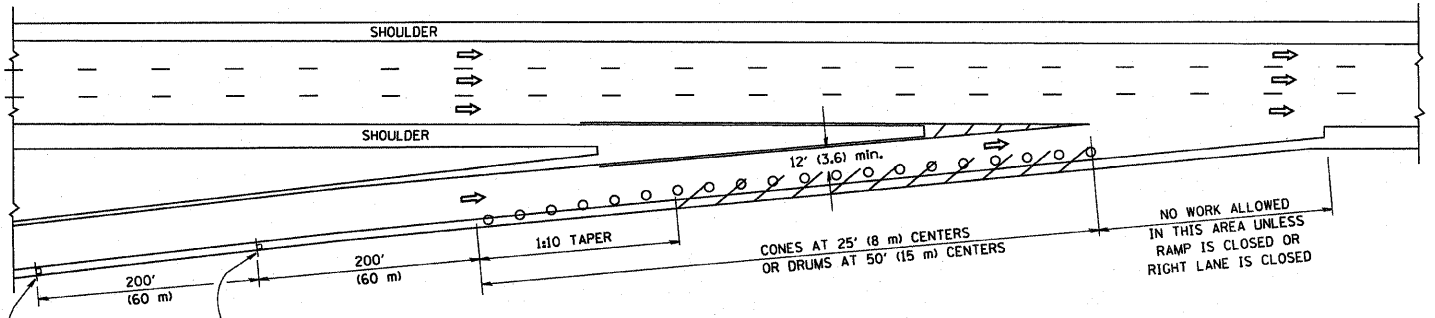
SCALE: NONE
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 CHECKED BY
 TC-10

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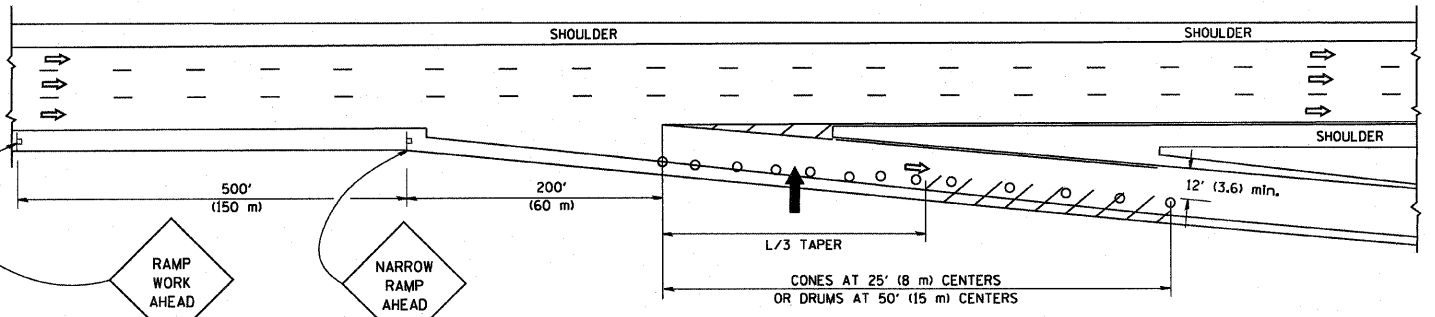
PARTIAL RAMP CLOSURE DETAILS

SHOULDER CLOSURE DETAILS

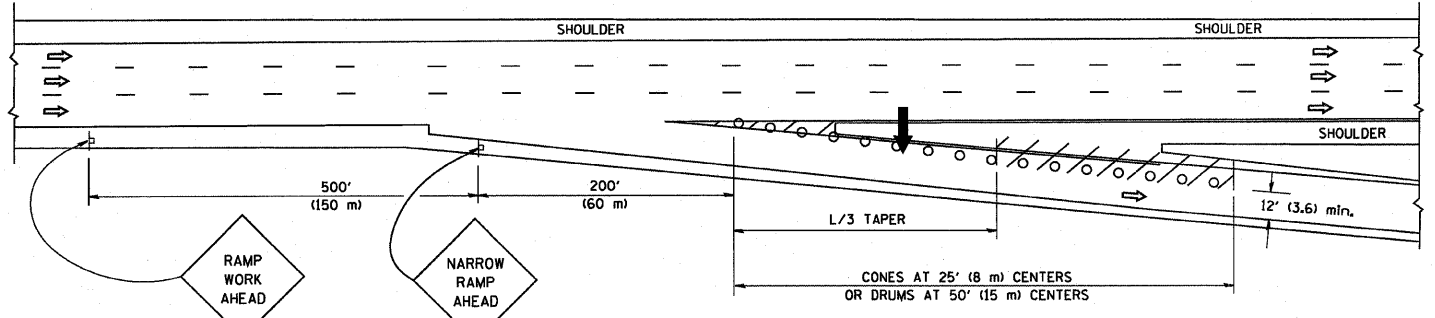
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	2005-072 US	Cook	39	36
STA.	TO STA.			
	ILLINOIS		FED. AID PROJECT	



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

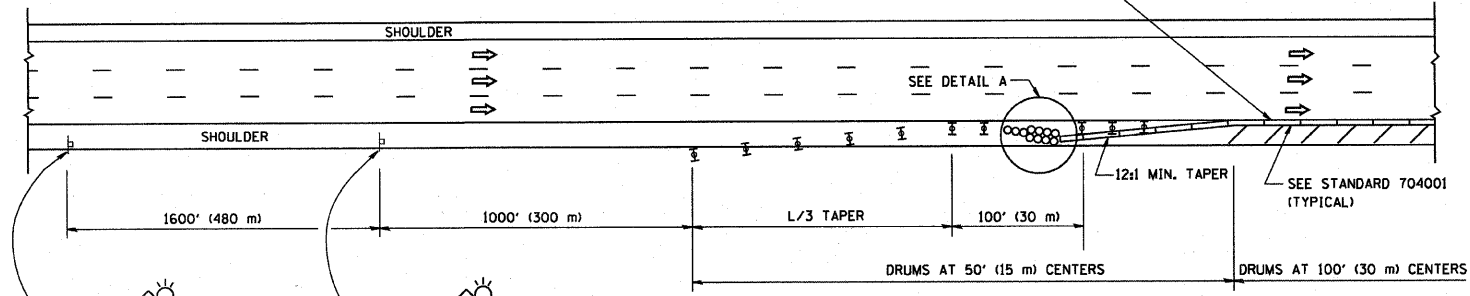
SYMBOLS

- 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

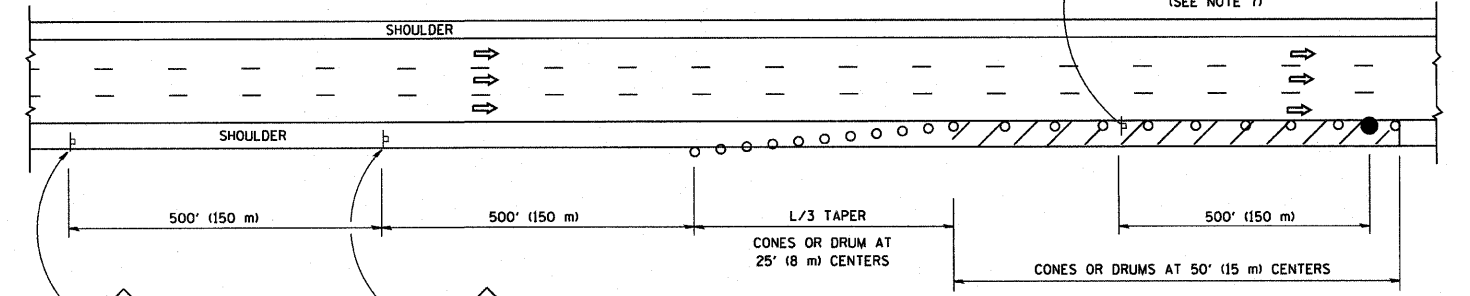
GENERAL NOTES

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.



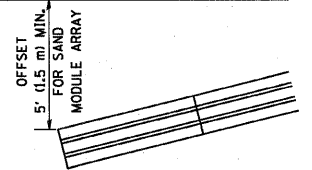
PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

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)

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 AVTIVITY 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.

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

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

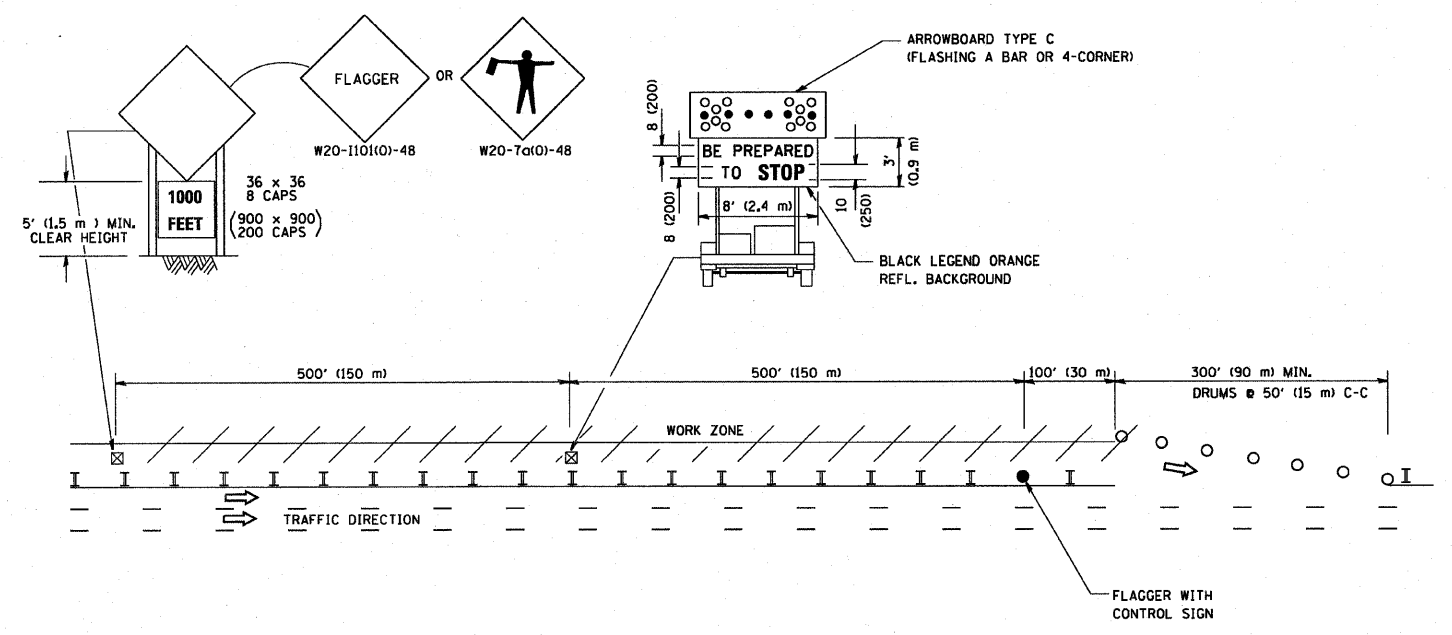
ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES PARTIAL RAMP CLOSURES
 DESIGNED BY: DWS
 DRAWN BY: _____
 CHECKED BY: _____
 SCALE: NONE
 TC-17

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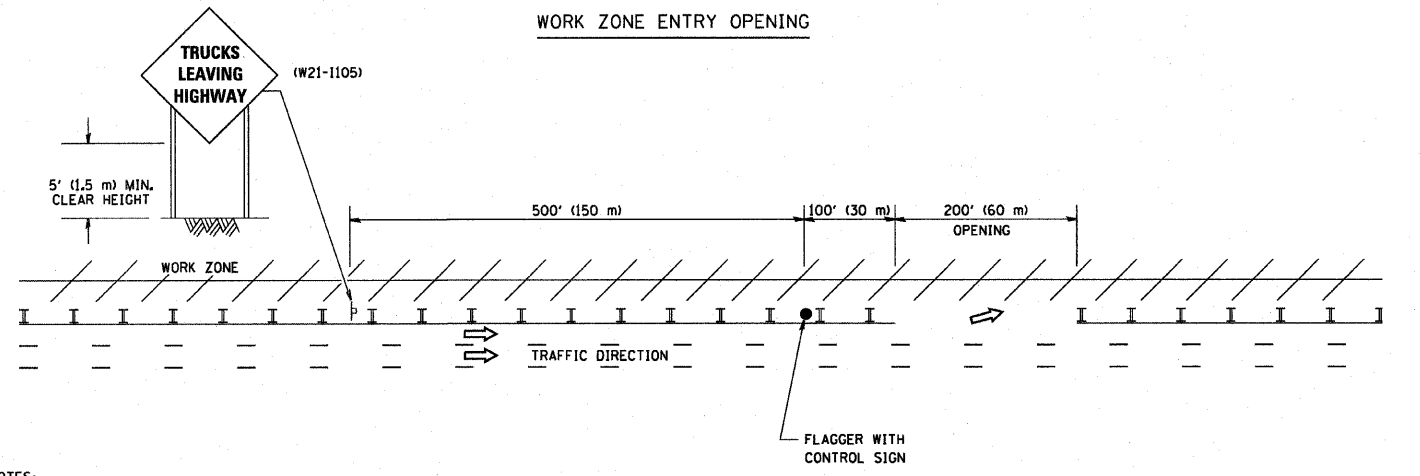
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94H	2005-072 LS	Cook	38	37
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

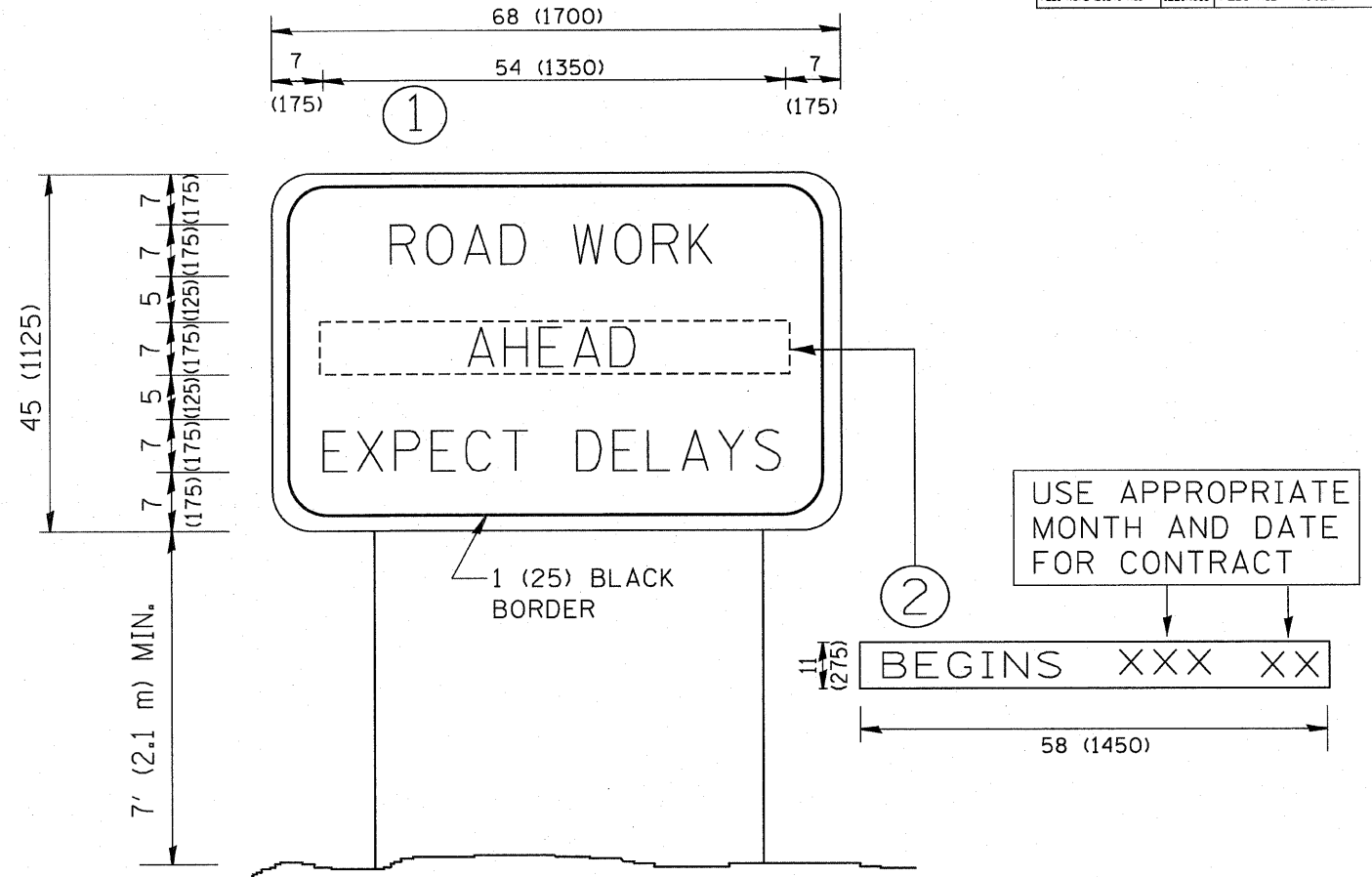
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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



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