

CONTRACT NO. 62694
 F.A.I. ROUTE 94 (DAN RYAN EXPRESSWAY)
 71ST STREET TO I-57 (NB RAMP, C-D'S, AND RETAINING WALLS)
 COOK COUNTY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94	*	COOK	860	7
STA. 2200+00.00 TO STA. 2362+00.00				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		62694
• (1516.1, 1717 & 1818) R-8				

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL	URBAN - 90% FEDERAL, 10% STATE					
				DAN RYAN J000-2A	FRONTAGE RD I000-2A	LIGHTING Y030-1E	SIGNING Y002-1C	I.T.S. Y032-1F	STRUCTURAL Y007
20100110	TREE REMOVAL (6-15 UNITS DIAMETER)	UNIT	1511	1511					
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	400	400					
20101000	TEMPORARY FENCE	FOOT	8148	8148					
20200100	EARTH EXCAVATION	CU YD	80615	80615					
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	12265	12265					
20400800	FURNISHED EXCAVATION	CU YD	606	606					
20700220	POROUS GRANULAR EMBANKMENT	CU YD	3507	927	△				2551
20700420	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	410	410					
20800150	TRENCH BACKFILL	CU YD	12,874	12,874	△				
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	27728	27728					
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	67542	67542					
21101645	TOPSOIL FURNISH AND PLACE, 12"	SQ YD	11416	11416					
21101825	COMPOST FURNISH AND PLACE, 6"	SQ YD	11416	11416					
* 25000210	SEEDING, CLASS 2A	ACRE	16.25	16.25					
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1463	1463					
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1463	1463					
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1463	1463					
* 25000750	MOWING	ACRE	29.50	29.50					
* 25100630	EROSION CONTROL BLANKET	SQ YD	77917	77917					
28000200	EARTH EXCAVATION FOR EROSION CONTROL	CU YD	1130	1130					
* 28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	3256	3256					
28000300	TEMPORARY DITCH CHECKS	EACH	71	71					
* 28000400	PERIMETER EROSION BARRIER	FOOT	16889	16889					
* 28000510	INLET FILTERS	EACH	90	59	31				
28001000	AGGREGATE (EROSION CONTROL)	TON	13	13					
31101400	SUB-BASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	8378		8378				
31101810	SUB-BASE GRANULAR MATERIAL, TYPE B 12"	SQ YD	2274	2274					
31101860	SUB-BASE GRANULAR MATERIAL, TYPE B 24"	SQ YD	25454	25454					
31200100	STABILIZED SUB-BASE 4"	SQ YD	23672	23672					
35300400	PORTLAND CEMENT CONCRETE BASE COURSE 9"	SQ YD	4969		4969				
35300510	PORTLAND CEMENT CONCRETE BASE COURSE 10 1/2"	SQ YD	2422		2422				
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	5.9		5.9				

- * - SPECIALTY ITEM
- - IDOT PAY CODE SFTY-3N
- △ - IDOT PAY CODE Y080
- - NON-PARTICIPATING

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE
REVISED	05/06/05
REVISED	04/15/05

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

SUMMARY OF QUANTITIES
 SHEET 1 OF 10

SCALE: NONE DRAWN BY: MPG
 DATE: MARCH 18, 2005 CHECKED BY: JPA

Rev. 6-1-05

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CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL	URBAN - 90% FEDERAL, 10% STATE					
				DAN RYAN J000-2A	FRONTAGE RD I000-2A	LIGHTING Y030-1E	SIGNING Y002-1C	I.T.S. Y032-1F	STRUCTURAL Y007
40600300	AGGREGATE (PRIME COAT)	TON	30		30				
40600895	CONSTRUCTING TEST STRIP	EACH	2		2				
40601000	BITUMINOUS REPLACEMENT OVER PATCHES	TON	9		9				
42000501	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SQ YD	2529	2529					
42000521	PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)	SQ YD	17322	17322					
42001300	PROTECTIVE COAT	SQ YD	32349	30161	2188				
44000006	BITUMINOUS SURFACE REMOVAL 1 1/2"	SQ YD	2402		2402				
44000100	PAVEMENT REMOVAL	SQ YD	21600	14227	7373				
44000112	BITUMINOUS REMOVAL OVER PATCHES 3"	SQ YD	140		140				
44000500	COMBINATION CONCRETE CURB AND GUTTER REMOVAL	FOOT	21252	16573	4679				
44001980	CONCRETE BARRIER REMOVAL	FOOT	1096	1096					
44004250	PAVED SHOULDER REMOVAL	SQ YD	8112	6726	1386				
44004400	PAVEMENT REMOVAL (SPECIAL)	SQ YD	233	233					
48202400	BITUMINOUS SHOULDERS SUPERPAVE 6"	SQ YD	637	351	286				
48300600	PORTLAND CEMENT CONCRETE SHOULDERS 11"	SQ YD	1289	1289					
48300700	PORTLAND CEMENT CONCRETE SHOULDERS 12"	SQ YD	121		121				
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1						1
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1						1
50102400	CONCRETE REMOVAL	CU YD	10			7			3
50104650	SLOPE WALL REMOVAL	SQ YD	202	146					56
50200100	STRUCTURE EXCAVATION	CU YD	9028	117	95	45			8771
50200400	ROCK EXCAVATION FOR STRUCTURES	CU YD	152	152					
50200410	ROCK EXCAVATION FOR STRUCTURES (SPECIAL)	CU YD	105	105					
50300225	CONCRETE STRUCTURES	CU YD	4083	50	44	24			3965
50300300	PROTECTIVE COAT	SQ YD	10492		52	30			10410
50300510	RUSTICATION FINISH	SQ FT	41695		60	12			41623
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	6370						6370
50500505	STUD SHEAR CONNECTORS	EACH	11836						11836
* 50700209	UNTREATED TIMBER LAGGING	SQ FT	49261						49261
* 50700211	FURNISHING SOLDIER PILES (HP SECTION)	FOOT	4399						4399
* 50700213	FURNISHING SOLDIER PILES (BUILT-UP SECTION)	FOOT	161						161
* 50700215	FURNISHING SOLDIER PILES (W SECTION)	FOOT	31347						31347

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SHEET 2 OF 10

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94	.	COOK	860	10
STA. 2200+00.00		TO STA. 2362+00.00		
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• (1516.1, 1717 & 1818) R-8				62694

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				DAN RYAN J000-2A	FRONTAGE RD 1000-2A	LIGHTING Y030-1E	SIGNING Y002-1C	I.T.S. Y032-1F	STRUCTURAL Y007	
55101200	STORM SEWER REMOVAL 24"	FOOT	381	381						
55101400	STORM SEWER REMOVAL 30"	FOOT	372		372					
55101600	STORM SEWER REMOVAL 36"	FOOT	323		323					
* 552A0900	STORM SEWERS JACKED IN PLACE, CLASS A 24"	FOOT	124	124						
* 552A1300	STORM SEWERS JACKED IN PLACE, CLASS A 36"	FOOT	284	284						
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	6400						6400	
60107700	PIPE UNDERDRAINS 6"	FOOT	18709	18709						
60108200	PIPE UNDERDRAINS 6" (SPECIAL)	FOOT	1150	1150						
60109582	PIPE UNDERDRAINS FOR STRUCTURES 6"	FOOT	7646			16			7630	
60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	42	42						
60201310	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 20 FRAME AND GRATE	EACH	161	161						
60202505	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID (CITY OF CHICAGO)	EACH	15		15					
60206905	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID	EACH	14	14						
60208210	CATCH BASINS, TYPE C, 2'-DIAMETER, TYPE 20 FRAME AND GRATE	EACH	12	12						
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	42	42						
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	44	44	△					
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1						
60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1						
60226730	MANHOLES, DROP TYPE, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2						
60248200	JUNCTION CHAMBER NO. 3	EACH	1	1						
60250200	CATCH BASINS TO BE ADJUSTED	EACH	26	11	15					
60255500	MANHOLES TO BE ADJUSTED	EACH	55	23	32					
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	2	2						
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	8	8						
60260100	INLETS TO BE ADJUSTED	EACH	1	1						
60260400	INLETS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	5	5						
60500040	REMOVING MANHOLES	EACH	21	21						
60500050	REMOVING CATCH BASINS	EACH	42	23	19					
60500060	REMOVING INLETS	EACH	93	86	7					
60500105	FILLING MANHOLES	EACH	2	2						
60600605	CONCRETE CURB, TYPE B	FOOT	333.5	333.5						
60602200	CONCRETE GUTTER	FOOT	3064.0	3064.0						

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

SUMMARY OF QUANTITIES
 SHEET 4 OF 10

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				DAN RYAN J000-2A	FRONTAGE RD 1000-2A	LIGHTING Y030-1E	SIGNING Y002-1C	I.T.S. Y032-1F	STRUCTURAL Y007
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	565.5	565.5					
60605500	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (VARIABLE WIDTH GUTTER FLAG)	FOOT	11.5		11.5				
60608300	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.12	FOOT	195.0	79.0	116.0				
60608521	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-2.24	FOOT	311.0	311.0					
60618324	CONCRETE MEDIAN SURFACE, 6 INCH (SPECIAL)	SQ FT	8860	8860					
* 63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	587.5	587.5					
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2	2					
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2	2					
* 63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	4	4					
63200310	GUARDRAIL REMOVAL	FOOT	828	402	426				
63700805	CONCRETE BARRIER TRANSITION	FOOT	313	313					
66400305	CHAIN LINK FENCE, 6'	FOOT	3492	392	3100				
66410300	CHAIN LINK FENCE REMOVAL	FOOT	7337		7337				
66410400	CHAIN LINK FENCE TO BE REMOVED AND RE-ERECTED	FOOT	20			20			
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	19,410	19,410	△				
* 66900450	SPECIAL WASTE PLANS AND REPORT	L SUM	1	1					
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	6	6					
67100100	MOBILIZATION	L SUM	1	0.5	0.5				
70101800	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	0.5	0.5				
70102550	TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR	EACH	2		2				
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	60		60				
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	18210	12490	5720				
70300510	PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS	SQ FT	407		407				
70300520	PAVEMENT MARKING TAPE, TYPE III, 4"	FOOT	8508		8508				
70300540	PAVEMENT MARKING TAPE, TYPE III, 6"	FOOT	850		850				
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	14243	10575	3668				
70400100	TEMPORARY CONCRETE BARRIER	FOOT	19130	13660	5470				
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	8670	7350	1320				
* 72000100	SIGN PANEL - TYPE 1	SQ FT	30				30		
* 72000200	SIGN PANEL - TYPE 2	SQ FT	234				234		
* 72000300	SIGN PANEL - TYPE 3	SQ FT	3944				3944		
* 72100100	SIGN PANEL OVERLAY	SQ FT	44				44		

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

SUMMARY OF QUANTITIES
SHEET 5 OF 10

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SUMMARY OF QUANTITIES

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				DAN RYAN J000-2A	FRONTAGE RD I000-2A	LIGHTING Y030-1E	SIGNING Y002-1C	I.T.S. Y032-1F	STRUCTURAL Y007
* 78008210	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 4"	FOOT	7373	7373					
* 78008220	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 5"	FOOT	219	219					
* 78008240	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 8"	FOOT	7362	7362					
* 78008250	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 12"	FOOT	5755	5755					
* 78008270	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 24"	FOOT	105	105					
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	28	28					
* 78100300	REPLACEMENT REFLECTOR	EACH	512	512					
* 78200100	MONODIRECTIONAL PRISMATIC BARRIER REFLECTOR	EACH	868	572	296				
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	18	18					
* 78200530	BARRIER WALL MARKERS, TYPE C	EACH	39	39					
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4					
* 78300100	PAVEMENT MARKING REMOVAL	SQ FT	16243	8220	8023				
* 80700140	GROUND ROD, 5/8" DIA. x 10 FT.	EACH	87			87			
* 80800525	TEMPORARY WOOD POLE, 60 FT., CLASS 4, 15 FT. MAST ARM	EACH	6			6			
* 81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	1154			1154			
* 81000800	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	198			198			
* 81023750	CONDUIT ENCASED, CONCRETE, 3" DIA., PVC	FOOT	426				426		
* 81200100	CONDUIT EMBEDDED IN STRUCTURE, 1" DIA. GALVANIZED STEEL	FOOT	5			5			
* 81200120	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA. GALVANIZED STEEL	FOOT	10			10			
* 81301010	JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 10"x8"x4"	EACH	2				2		
* 81400200	HEAVY-DUTY HANDHOLE	EACH	25				25		
* 81400205	HEAVY-DUTY HANDHOLE (SPECIAL)	EACH	12				12		
* 81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	5253			5253			
* 81800700	AERIAL CABLE, 3-1/C NO. 2 AWG, ALUMINUM, WITH MESSENGER WIRE	FOOT	980			980			
* 82102310	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 310 WATT	EACH	6			6			
* 83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	48			48			
* 83700250	LIGHT TOWER FOUNDATION, 44" DIAMETER	FOOT	30	30					
* 84200705	LIGHTING FOUNDATION REMOVAL, PARTIAL	EACH	38			38			
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	36				36		
* 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	29				29		
X16643300	CHAIN LINK FENCE REMOVAL (CTA)	FOOT	380	380					
X4410222	CLASS C PATCHES, TYPE I, 10 1/2 INCH	SQ YD	50		50				

Handwritten circled numbers and triangle symbol:
 1154 (under 81000600), 198 (under 81000800), 1154 (under 81000600), 198 (under 81000800), △ (to the right of 81000800)

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ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
SUMMARY OF QUANTITIES
 SHEET 7 OF 10
 SCALE: NONE DRAWN BY: MPG
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SUMMARY OF QUANTITIES

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL	URBAN - 90% FEDERAL, 10% STATE						
				DAN RYAN J000-2A	FRONTAGE RD I000-2A	LIGHTING Y030-1E	SIGNING Y002-1C	I.T.S. Y032-1F	STRUCTURAL Y007	
X492023	CLASS C PATCHES, TYPE II, 10 1/2 INCH	SQ YD	50		50					
60608530	COMBINATION CONCRETE CURB & GUTTER, TYPE M-2.48	FOOT	233.0	233.0						
X6063605	COMBINATION CONCRETE CURB & GUTTER, TYPE M-4.24 (VARIABLE WIDTH GUTTER FLAG)	FOOT	239.0	63.0	176.0					
* X0324976	CONDUIT DIRECTIONAL BORED, 6" DIA., HDPE	FOOT	614			614				
* X0324977	CONDUIT ENCASED, REINFORCED CONCRETE, 2 - 4" DIA. CNC AND 1 - 2" DIA. CNC, 2 WIDE X 2 HIGH	FOOT	31			31				
* X0324978	CONDUIT ENCASED, REINFORCED CONCRETE, 2" DIA., CNC	FOOT	451			451				
* X0324989	CONDUIT ENCASED, REINFORCED CONCRETE, 3 - 2" DIA., CNC 2 WIDE X 2 HIGH	FOOT	123			123				
* X0324980	CONDUIT ENCASED, REINFORCED CONCRETE, 3 - 4" DIA. CNC AND 1 - 2" DIA. CNC, 2 WIDE X 2 HIGH	FOOT	131			131				
* X0324981	CONDUIT ENCASED, REINFORCED CONCRETE, 3 - 4" DIA. CNC AND 1 - 3" DIA. CNC, 2 WIDE X 2 HIGH	FOOT	80			80				
* X0324982	CONDUIT ENCASED, REINFORCED CONCRETE, 3 - 4" DIA. CNC AND 3 - 2" DIA. CNC, 2 WIDE X 3 HIGH	FOOT	69			69				
* X0324983	CONDUIT ENCASED, REINFORCED CONCRETE, 3 - 4" DIA. CNC AND 6 - 2" DIA. CNC, 2 WIDE X 5 HIGH	FOOT	195			195				
* X0324979	CONDUIT ENCASED, REINFORCED CONCRETE, 3" DIA., CNC	FOOT	19			19				
* X0324984	CONDUIT ENCASED, REINFORCED CONCRETE, 5 - 4" DIA. CNC AND 1 - 2" DIA. CNC, 2 WIDE X 3 HIGH	FOOT	576			576				
* X0324985	CONDUIT ENCASED, REINFORCED CONCRETE, 5 - 4" DIA. CNC AND 2 - 2" DIA. CNC, 2 WIDE X 4 HIGH	FOOT	84			84				
* X0324986	CONDUIT ENCASED, REINFORCED CONCRETE, 5 - 4" DIA. CNC AND 3 - 2" DIA. CNC, 2 WIDE X 4 HIGH	FOOT	564			564				
* X0324987	CONDUIT ENCASED, REINFORCED CONCRETE, 5 - 4" DIA. CNC AND 6 - 2" DIA. CNC, 2 WIDE X 6 HIGH	FOOT	380			380				
60248690	JUNCTION CHAMBER NO. 61	EACH	1	1						
60248692	JUNCTION CHAMBER NO. 62	EACH	1	1						
X6022120	MANHOLES, DROP TYPE, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2						
X6022130	MANHOLES, DROP TYPE, 8'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1						
X6024800	MODIFIED JUNCTION CHAMBER	EACH	1						1	
44004260	PAVED SHOULDER REMOVAL (SPECIAL)	SQ YD	111	111						
* X0324988	RELOCATE CITY STREET LIGHT POLE	EACH	10			10				
X0320816	SLEEPER SLAB	SQ YD	204	204						
* E20200G1	VINE-PARTHENOCISSUS QUINQUEFOLIA (VIRGINIA CREEPER), 1-GALLON POT	EACH	1101	1101						
* K0030400	PERENNIAL PLANTS, DAYLILIES	UNIT	12	12						
X0300057	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	EACH	4	4						
X0320870	BRACED EXCAVATION	CU YD	1751	1516		17				218
X0321720	WATER MAIN REMOVAL	FOOT	3783	3783						
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	208		208					
X0322400	PILE EXTRACTION	EACH	3							3
X0322671	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	1550	1550						

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**SUMMARY OF QUANTITIES
SHEET 8 OF 10**

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DATE: MARCH 18, 2005 CHECKED BY: JPA

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL	URBAN - 90% FEDERAL, 10% STATE					
				DAN RYAN J000-2A	FRONTAGE RD I000-2A	LIGHTING Y030-1E	SIGNING Y002-1C	I.T.S. Y032-1F	STRUCTURAL Y007
* X0322859	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	22	22					
	X0323426 SEDIMENT CONTROL, DRAINAGE STRUCTURE INLET FILTER CLEANING	EACH	180	118	62				
* X0323574	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	18			18			
* X0323907	COMMUNICATIONS VAULT	EACH	6					6	
	X0324112 BARRIER BASE	FOOT	2003	2003					
* X0324209	CONDUIT ENCASED, REINFORCED CONCRETE, 3 - 4" DIA., CNC 2 WIDE X 2 HIGH	FOOT	86			86			
* X0324210	CONDUIT ENCASED, REINFORCED CONCRETE, 4 - 4" DIA., CNC 2 WIDE X 2 HIGH	FOOT	86			86			
* X0324211	CONDUIT ENCASED, REINFORCED CONCRETE, 5 - 4" DIA., CNC 2 WIDE X 3 HIGH	FOOT	38			38			
* X0324212	CONDUIT ENCASED, REINFORCED CONCRETE, 6 - 4" DIA., CNC 2 WIDE X 3 HIGH	FOOT	90			90			
* X0324219	CONDUIT ENCASED, REINFORCED CONCRETE, 2 - 4" DIA., CNC 2 WIDE X 1 HIGH	FOOT	306			306			
	X0324433 LIGHT TOWER SERVICE PAD, 6"	SQ FT	137	137					
* X0324455	DRILLING AND SETTING SOLDIER PILES (IN SOIL)	CU FT	210013						210013
* X0324456	DRILLING AND SETTING SOLDIER PILES (IN ROCK)	CU FT	116						116
	X0324697 SOIL STABILIZERS	POUND	29000	29000					
	X0324698 APPLYING DUST SUPPRESSION AGENT	UNIT	11	11					
* X0324863	COMBINED SEWERS, ESVCP, TYPE 2, 8"	FOOT	7		7				
	X0324864 DRAIN CONNECTIONS	FOOT	83		83				
	X0712400 TEMPORARY PAVEMENT	SQ YD	12721	12721					
	X4021000 TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	5		5				
	X4022000 TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	5		5				
	X4023000 TEMPORARY ACCESS (ROAD)	EACH	5		5				
	X4066426 BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70	TON	823		823				
	X4067100 POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE, IL-4.75, N50	TON	427		427				
	X6061001 COMBINATION CONCRETE CURB & GUTTER, TYPE M-4.48	FOOT	5933.5	5933.5					
	X6063401 COMBINATION CONCRETE CURB & GUTTER, TYPE M-4.12	FOOT	6379.5	6379.5					
	X6063600 COMBINATION CONCRETE CURB & GUTTER, TYPE M-4.24	FOOT	5745.5	4625.5	1120.0				
	X6065740 CONCRETE MEDIAN SURFACE, 5" (MODIFIED)	SQ FT	9060		9060				
	X6370920 CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT	FOOT	1199	1199					
	X6370930 CONCRETE BARRIER, DOUBLE FACE, 32 INCH HEIGHT	FOOT	491	491					
	X6640210 TEMPORARY CHAIN LINK FENCE (PORTABLE)	FOOT	11279		11279				
	X6700410 ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	15	15					
	X7011015 TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1					

- * - SPECIALTY ITEM
- - IDOT PAY CODE SFTY-3N
- △ - IDOT PAY CODE Y080
- - NON-PARTICIPATING

TYLININTERNATIONAL

REVISIONS	
NAME	DATE
REVISED	05/06/05
REVISED	04/15/05

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

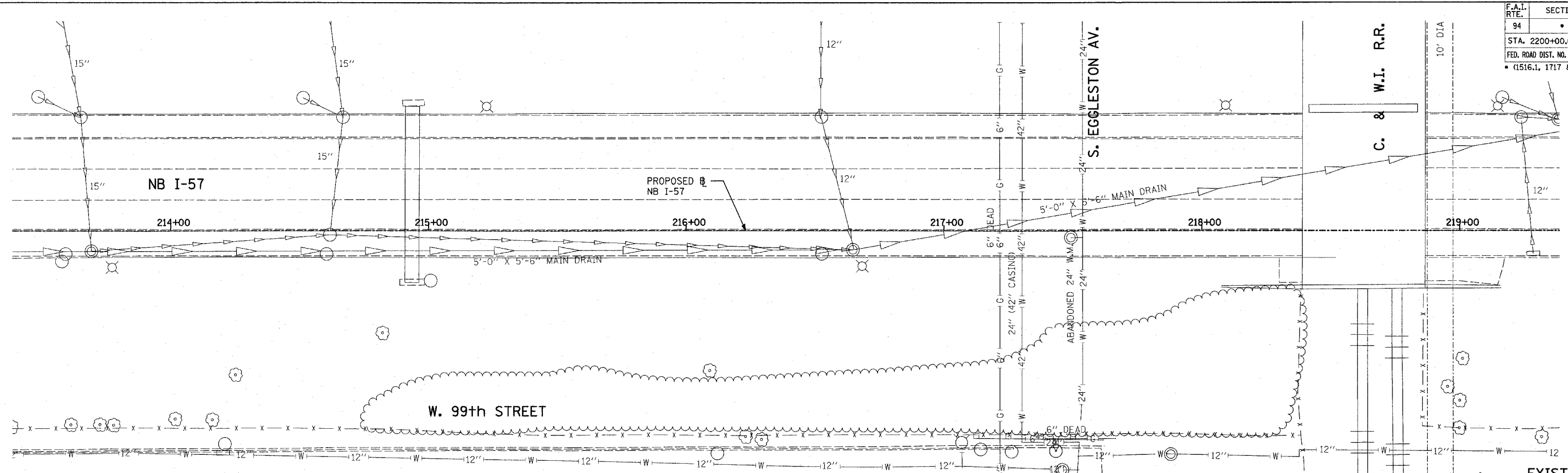
**SUMMARY OF QUANTITIES
SHEET 9 OF 10**

SCALE: NONE DRAWN BY: MPG
DATE: MARCH 18, 2005 CHECKED BY: JPA

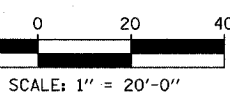
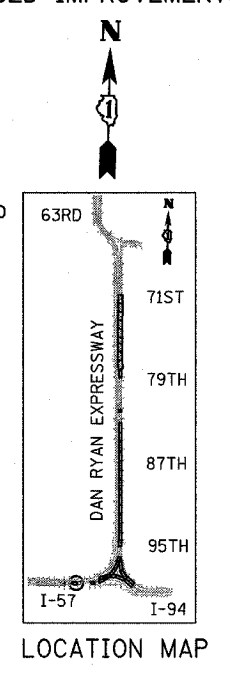
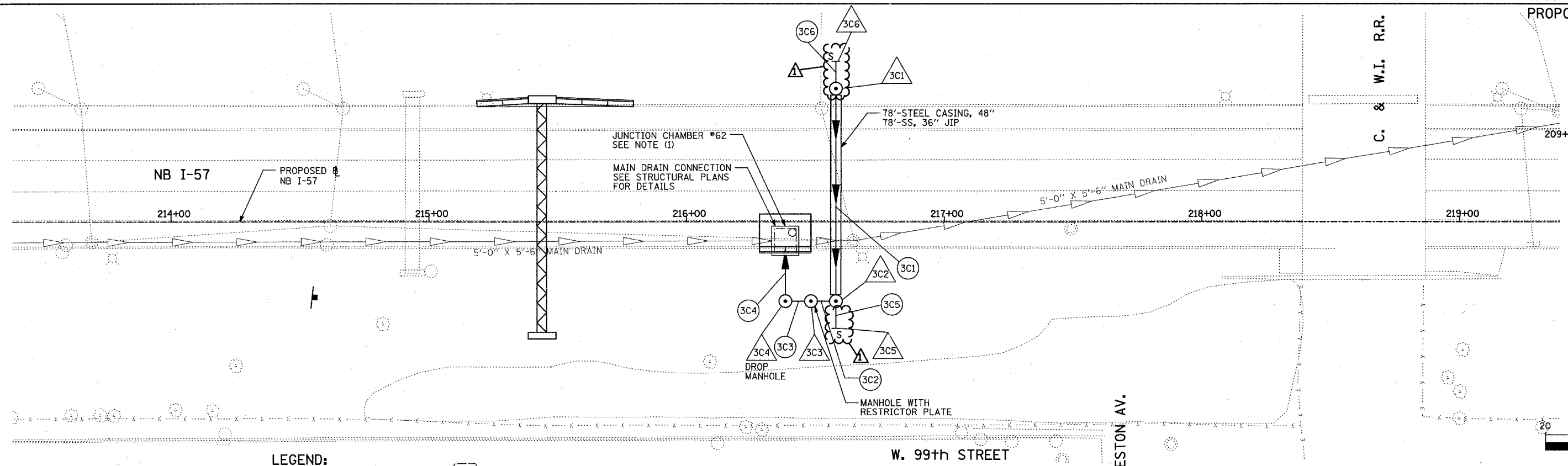
△ Rev. 6-1-05

03.03.01 PM 10/22/05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	860	192
STA. 2200+00.00		TO STA. 2362+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
(1516.1, 1717 & 1818) R-8		62694		



EXISTING CONDITIONS
PROPOSED IMPROVEMENTS



- LEGEND:**
- EXISTING COMBINED SEWER
 - (XY) PROPOSED STORM SEWER NUMBER (X=SHEET NO., Y=PIPE NO.)
 - (XY) PROPOSED STRUCTURE NUMBER (X=SHEET NO., Y=STRUCTURE NO.)
 - S- PIPE STUBOUT TO BE PLUGGED
 - UTILITY REMOVAL
 - P UTILITY REMOVAL PLUG
 - (Hexagon with dot) HIGH MAST LIGHT TOWER FOUNDATION (BY OTHERS - SEE CONTRACT 62583)
 - (Square) HIGH MAST LIGHT TOWER FOUNDATION, WALL MOUNTED
 - (Hexagon with 'F.V.') HIGH MAST LIGHT TOWER FOUNDATION (BY OTHERS - SEE CONTRACT 62583)
 - F.V. FIELD VERIFY

NOTES:

- FOR SIZE AND LOCATION OF PROPOSED JUNCTION CHAMBER NO. 62 SEE STRUCTURAL PLANS FOR DETAILS. SEE STORM SEWER JACKING JUNCTION CHAMBER NO. 62 ON SHEET "STORM SEWER JACKING, JUNCTION CHAMBER #62" FOR JACKED IN PLACE SEWER PIPE NO. 3C1.

TYLIN INTERNATIONAL

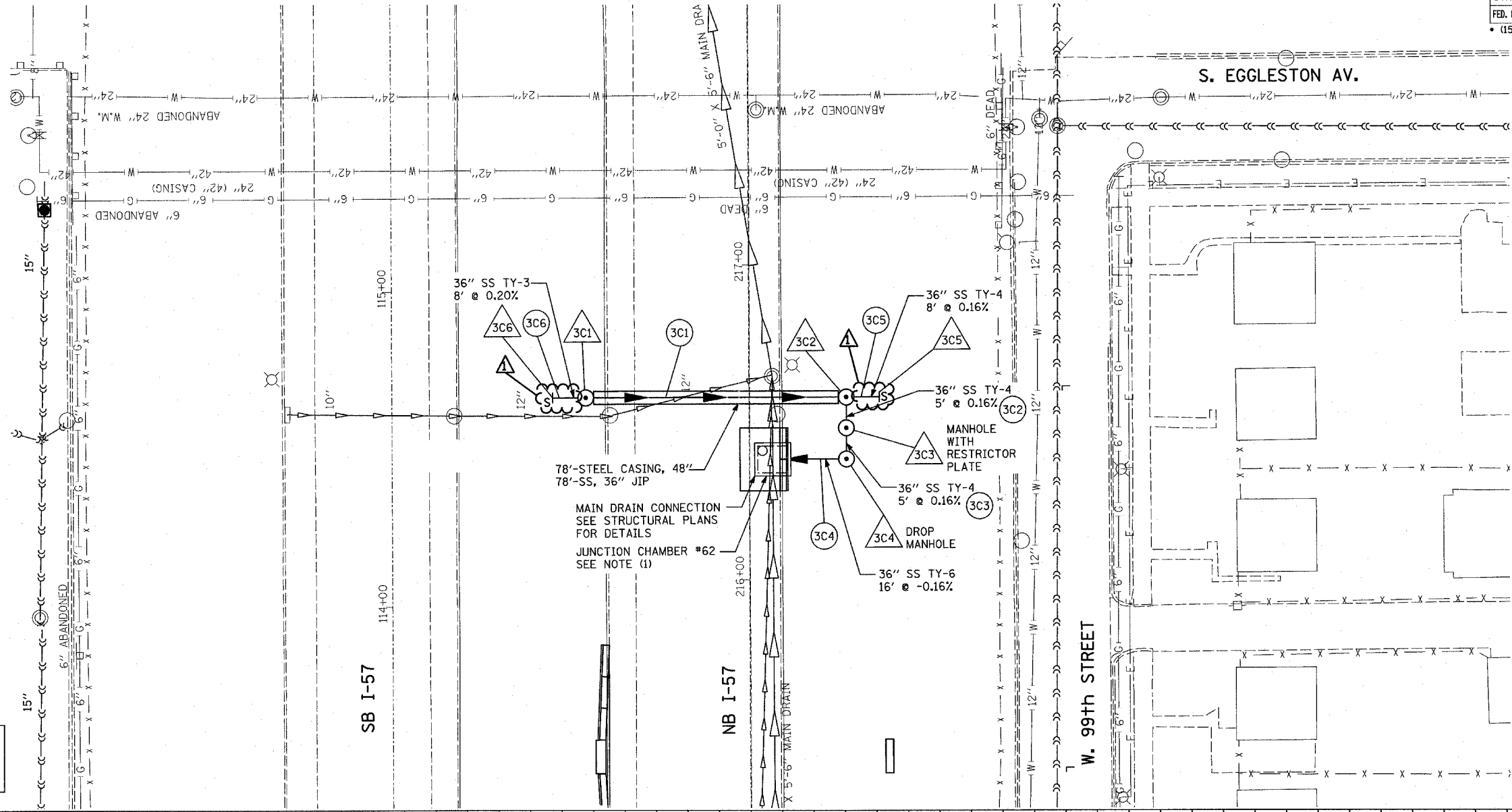
SHEET 3C OF 39

REVISIONS	
NAME	DATE
ADDENDUM 1	05/27/05
REVISED	04/15/05

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

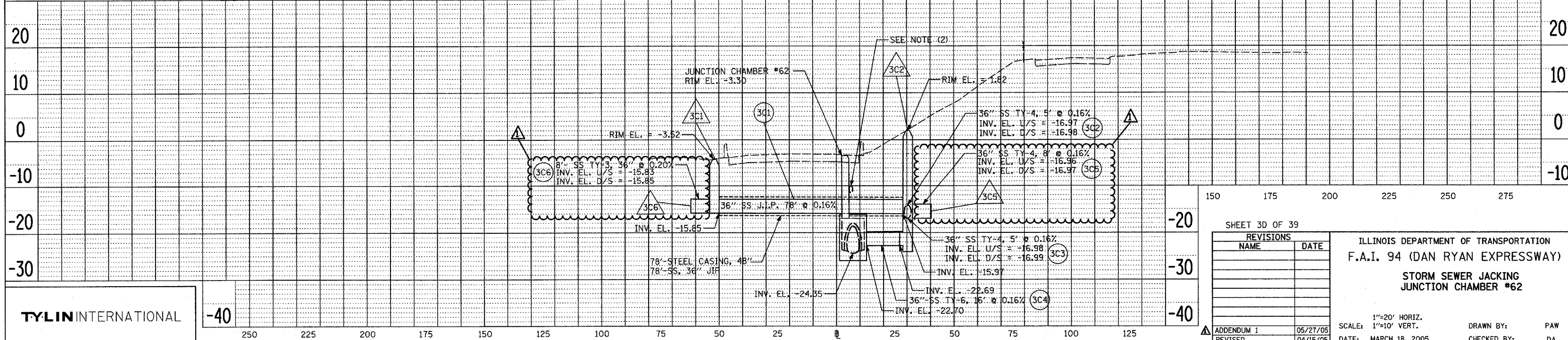
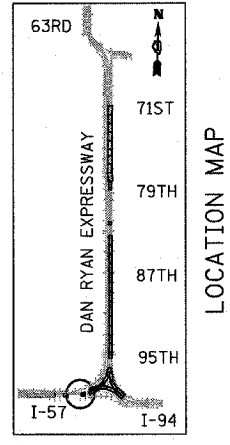
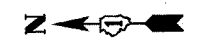
DRAINAGE AND UTILITY PLANS
NB I-57 AND S. EGGLESTON AV.
NB I-57 STA. 216+00.00 TO 217+00.00

SCALE: 1"=20'
DATE: MARCH 18, 2005
DRAWN BY: MB
CHECKED BY: DA



NOTES:

1. FOR SIZE AND LOCATION OF PROPOSED JUNCTION CHAMBER NO. 62 SEE STRUCTURAL PLANS FOR DETAILS.
2. SEWER LOCATION AND DEPTH ARE SHOWN AS INDICATED WITH NO SURVEY DATA AVAILABLE. THE CONTRACTOR SHALL VERIFY LOCATION AND DEPTH PRIOR TO JACKING OPERATION. COST SHALL BE INCLUDED IN THE SEWER PIPE JACKED IN PLACE.



TYLIN INTERNATIONAL

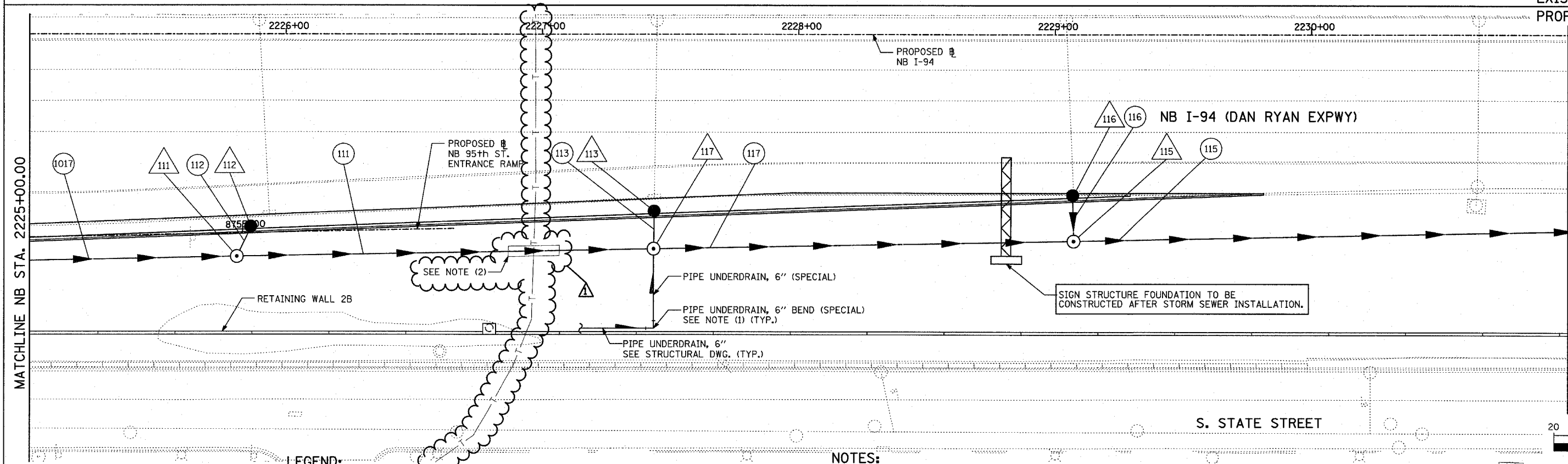
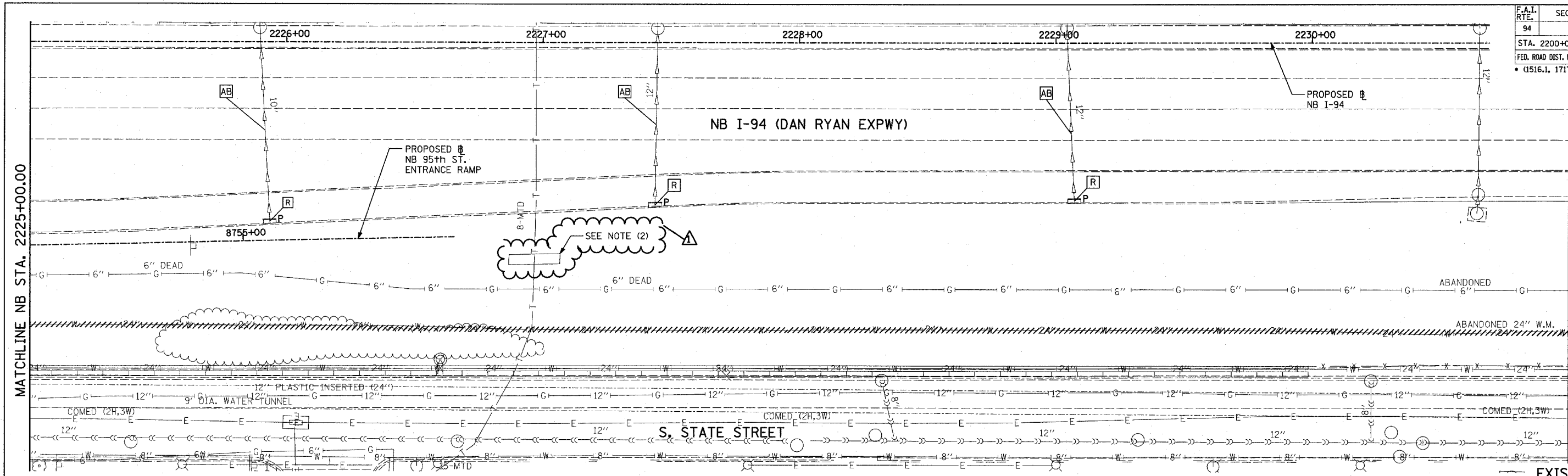
-40

SHEET 3D OF 39

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 STORM SEWER JACKING
 JUNCTION CHAMBER #62

SCALE: 1"=20' HORIZ.
 1"=10' VERT.
 DATE: MARCH 18, 2005
 DRAWN BY: PAW
 CHECKED BY: DA



LEGEND:

	EXISTING COMBINED SEWER		HIGH MAST LIGHT TOWER FOUNDATION (BY OTHERS - SEE CONTRACT 62583)
	PROPOSED STORM SEWER NUMBER (X=SHEET NO., Y=PIPE NO.)		HIGH MAST LIGHT TOWER FOUNDATION, WALL MOUNTED
	PROPOSED STRUCTURE NUMBER (X=SHEET NO., Y=STRUCTURE NO.)		HIGH MAST LIGHT TOWER FOUNDATION (BY OTHERS - SEE CONTRACT 62583)
	PIPE STUBOUT TO BE PLUGGED		F.V. FIELD VERIFY
	UTILITY REMOVAL		
	UTILITY REMOVAL PLUG		

NOTES:

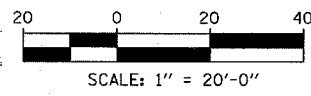
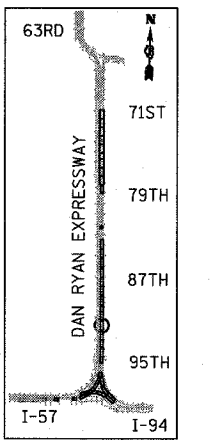
- ALL TEES AND ELBOWS/BENDS FOR PUD, 6" (SPECIAL) SHALL BE INCLUDED IN COST OF PUD, 6" (SPECIAL).
- EXISTING STEEL CASING, 48" TO BE INSTALLED BY OTHERS DURING UTILITY ADJUSTMENTS AND PRIOR TO SEWER CONSTRUCTION. PROPOSED SEWER PIPE TO BE CENTERED (APPROX.) IN CASING PIPE. BEDDING MATERIAL AND FILLING OF VOID SPACE BETWEEN SEWER AND CASING PIPE TO BE APPROVED BY ENGINEER. COST SHALL BE INCLUDED IN THE SEWER PAY ITEM.

REVISIONS

NAME	DATE
ADDENDUM 1	05/27/05
REVISED	05/06/05
REVISED	04/15/05

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
DRAINAGE AND UTILITY PLANS
NB 95th STREET ENTRANCE RAMP
NB I-94 STA. 2225+00.00 TO 2231+00.00

SCALE: 1"=20'
DATE: MARCH 18, 2005
DRAWN BY: MB
CHECKED BY: DA

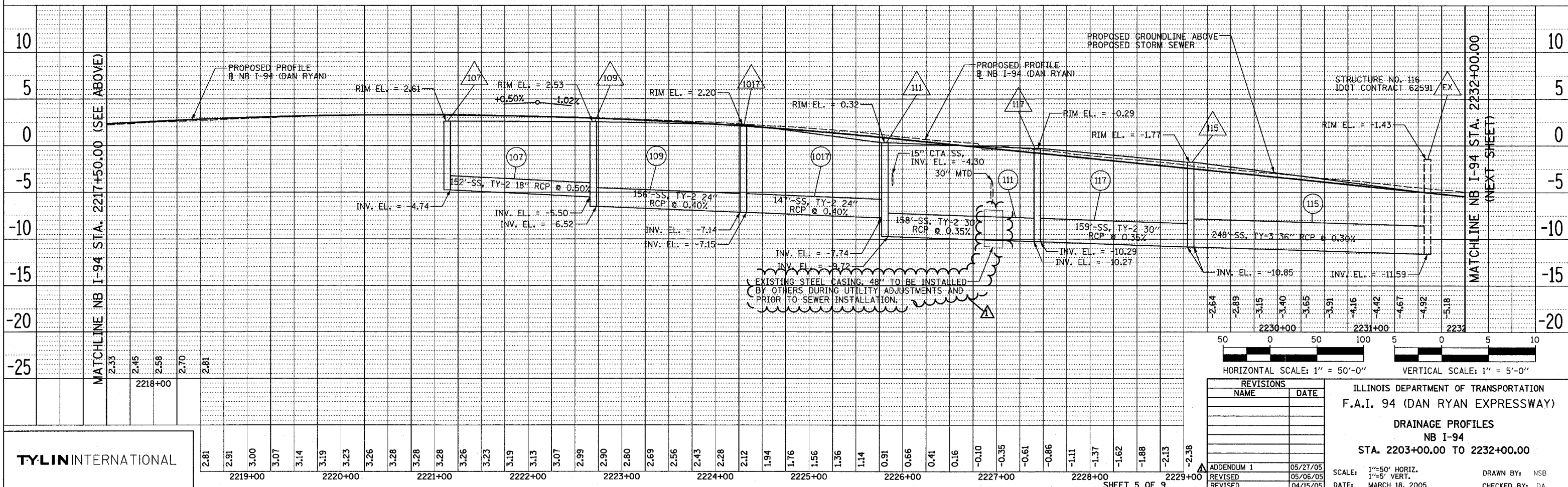
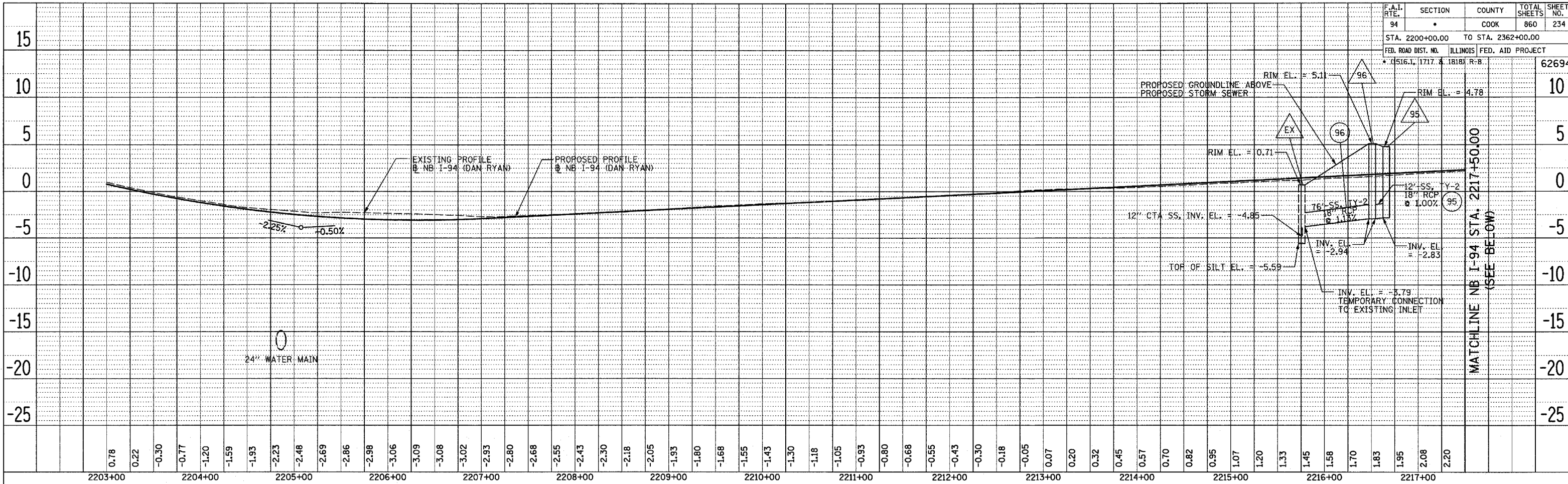


MATCHLINE NB STA. 2225+00.00

MATCHLINE NB STA. 2225+00.00

MATCHLINE NB STA. 2231+00.00

MATCHLINE NB STA. 2231+00.00



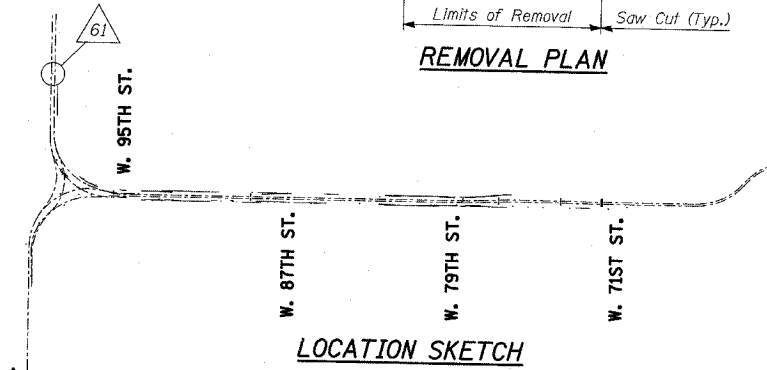
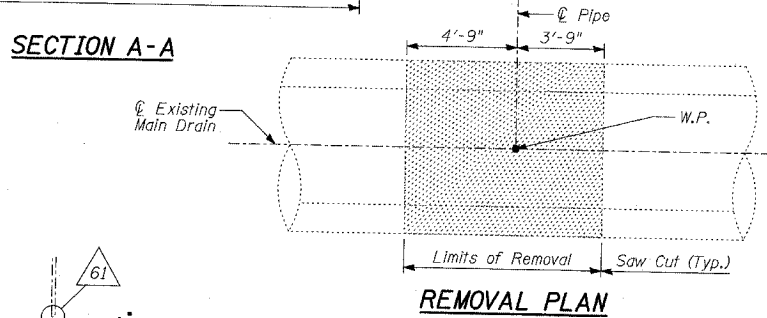
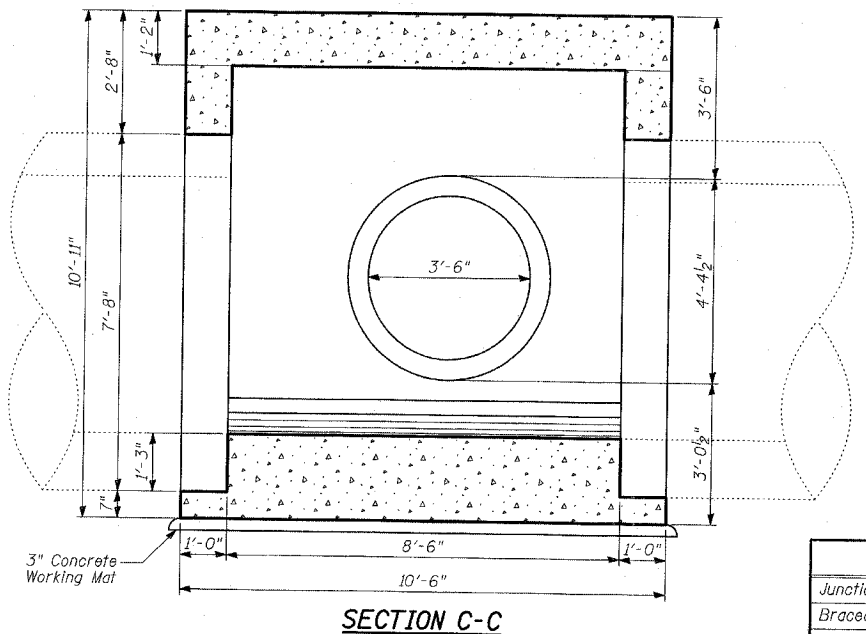
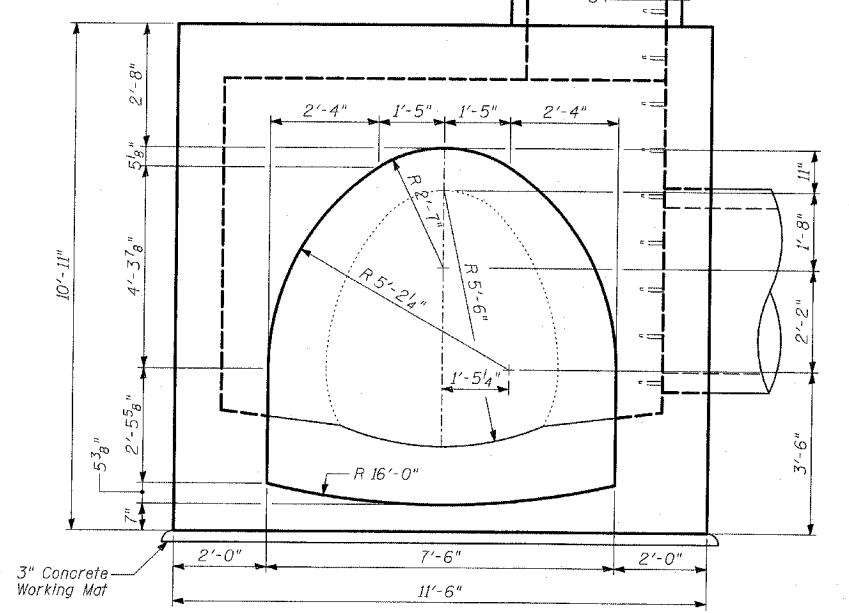
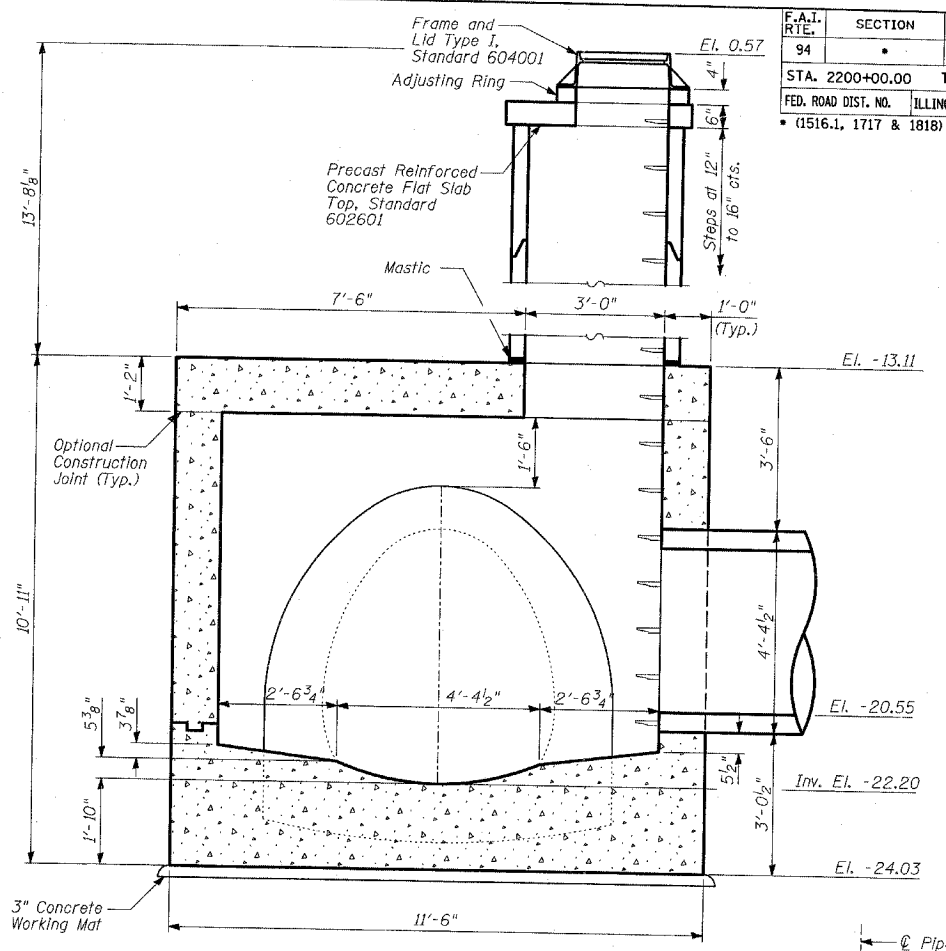
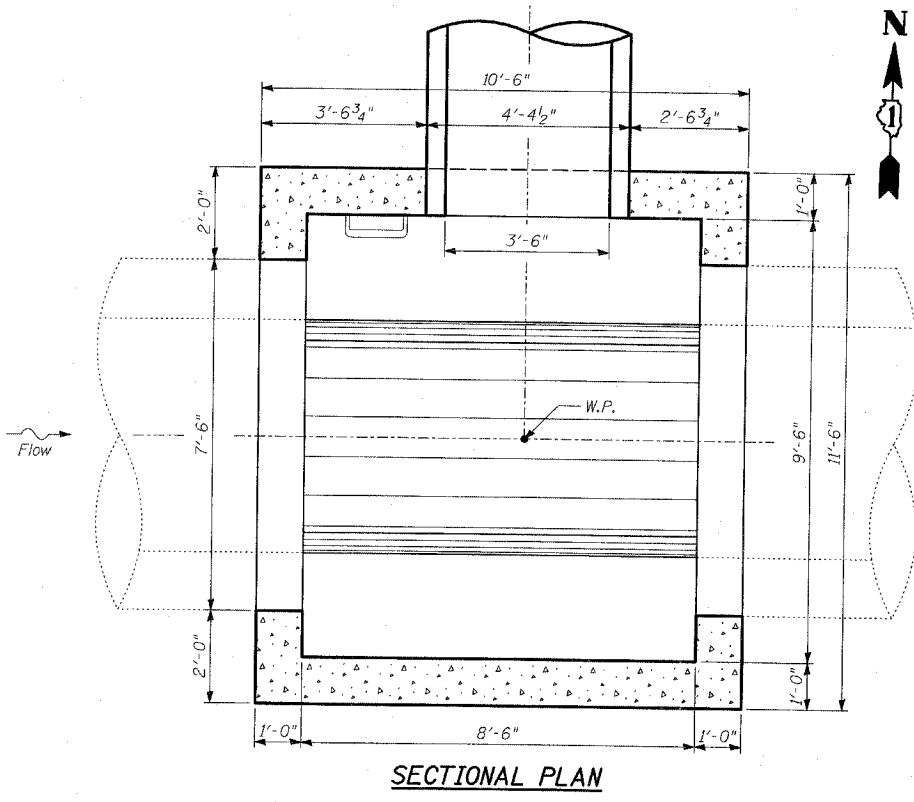
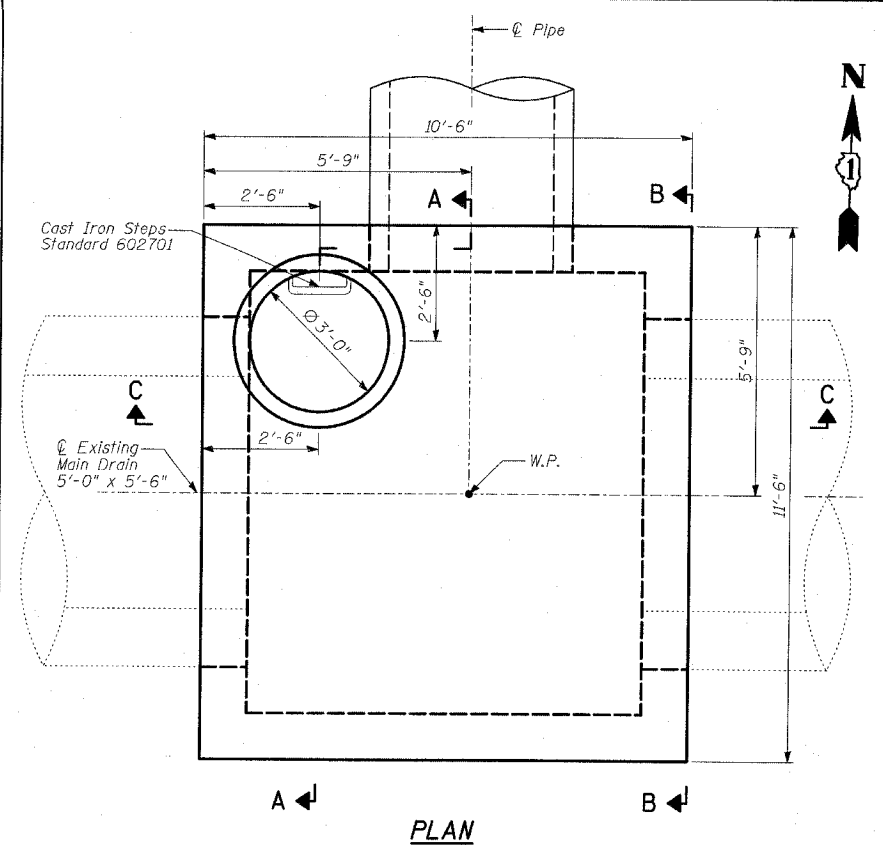
REVISIONS	
NAME	DATE
ADDENDUM 1	05/27/05
REVISED	05/06/05
REVISED	04/15/05

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 94 (DAN RYAN EXPRESSWAY)
 DRAINAGE PROFILES
 NB I-94
 STA. 2203+00.00 TO 2232+00.00

SCALE: 1"=50' HORIZ.
 1"=5' VERT.
 DATE: MARCH 18, 2005

DRAWN BY: NSB
 CHECKED BY: DA

TYLIN INTERNATIONAL



BILL OF MATERIAL

ITEM	UNIT	TOTAL
Junction Chamber No. 61	EACH	1
Braced Excavation	CU YD	158
Porous Granular Embankment	CU YD	56
Rock Excavation for Structures	CU YD	28

GENERAL NOTES:

- Alternate materials for the junction chamber top slab may be cast-in-place concrete or precast reinforced concrete.
- The Contractor shall verify the location of the main drain before submitting the braced excavation drawings.
- Excavation shall be performed simultaneously on each side of the existing Main Drain, followed by simultaneous backfilling around the junction chamber.
- Retention systems placed within ten (10) feet of a water main must remain in place permanently.
- All pipe openings are based on wall C ASTM C76, coordinate openings with pipe supplier.
- Cast iron steps shall be gray iron conforming to the requirements of Article 1006.14 of the Standard Specifications.
- See Standard 602701 for details of cast iron steps.
- For additional information, see Standard Specifications.
- For reinforcement details, see Sheets 2 and 3 of 3.
- For additional details, see Drainage Schedules.
- The maximum width of excavation is the width of the junction chamber plus 4 feet, and the maximum length is the length of the junction chamber plus 4 feet. Excavation outside the maximum dimensions specified will not be measured for payment.

- The design of the braced excavation is the responsibility of the Contractor. The Contractor shall submit drawings and design for the braced excavation to the Engineer for approval. The braced excavation design and drawings shall be signed and sealed by an Illinois Licensed Structural Engineer, submitted and approved prior to the start of any work. The Engineer's approval shall not relieve the Contractor from the sole responsibility of the structural integrity of the braced excavation system.
- Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price for the work.



Phillip D. Frey
 Phillip D. Frey, S.E. Il. Lic. No. 081-004826
 Expires 11-30-2006
 Date: 3/18/05

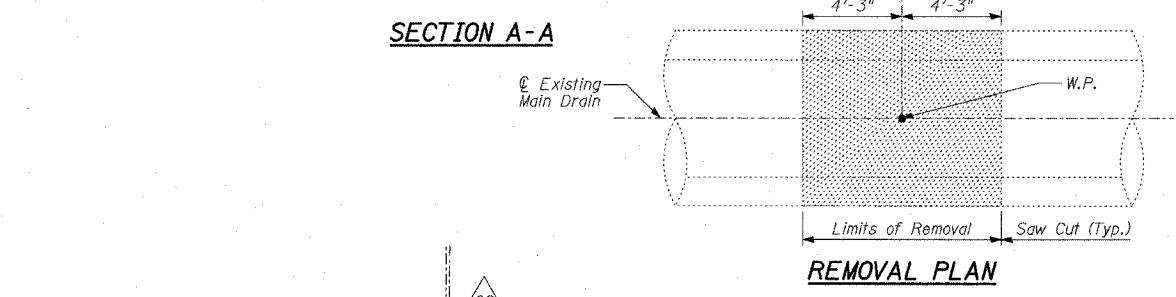
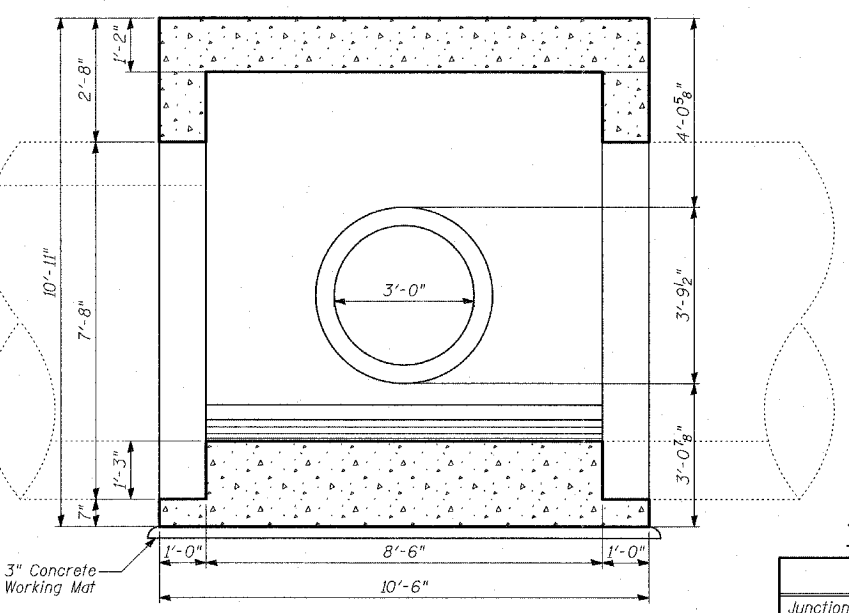
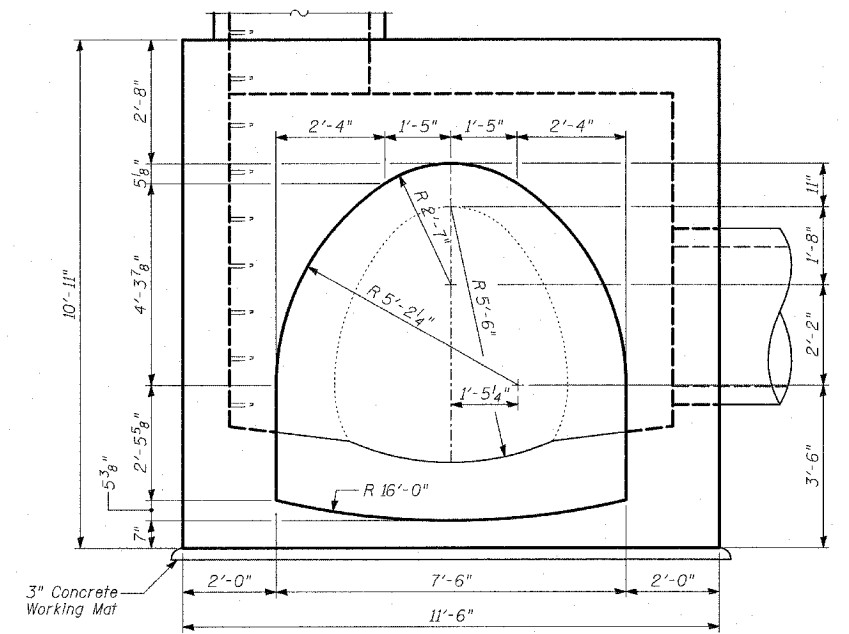
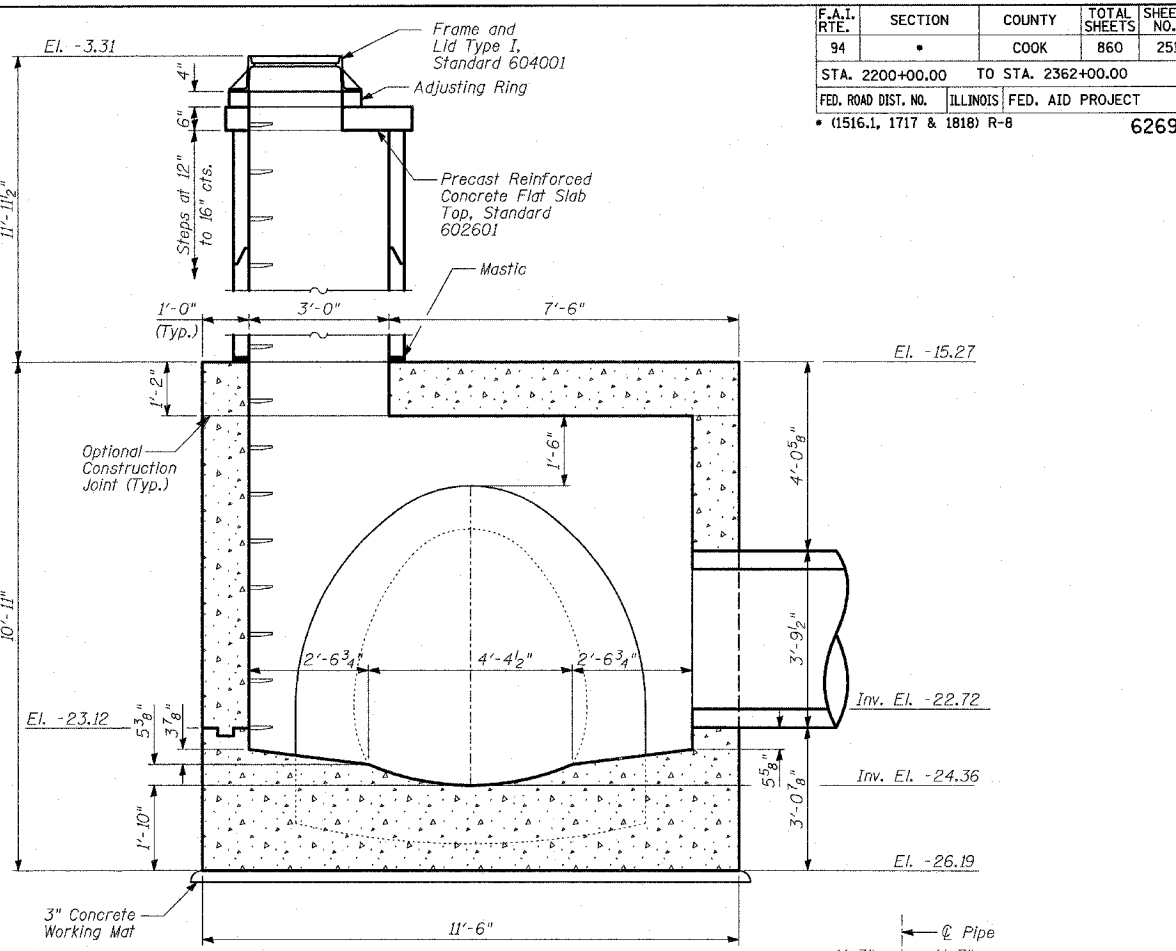
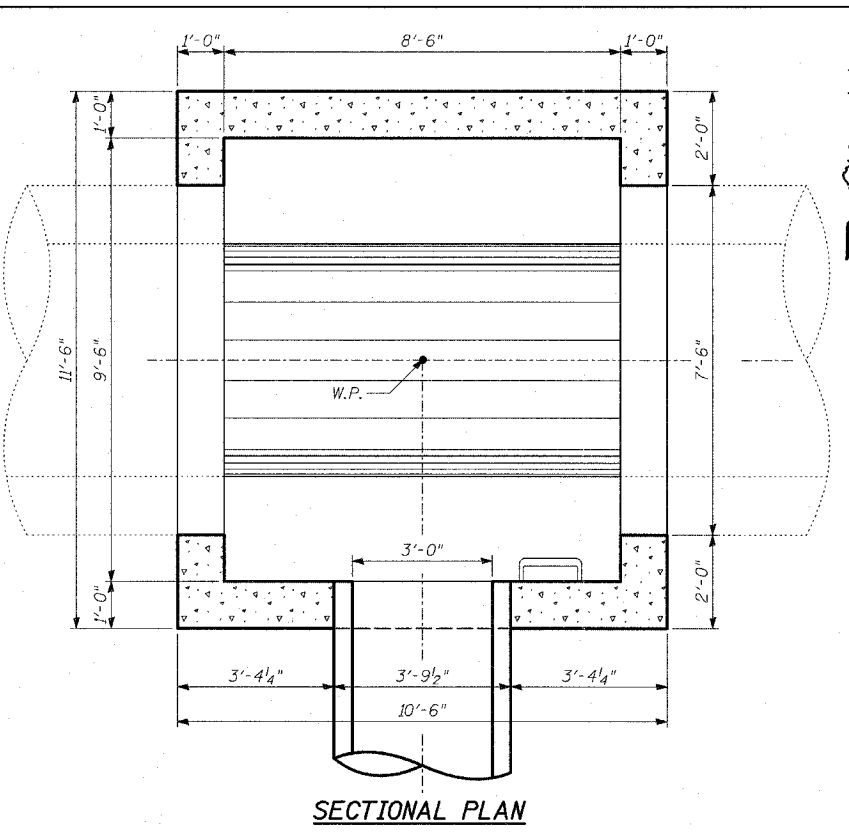
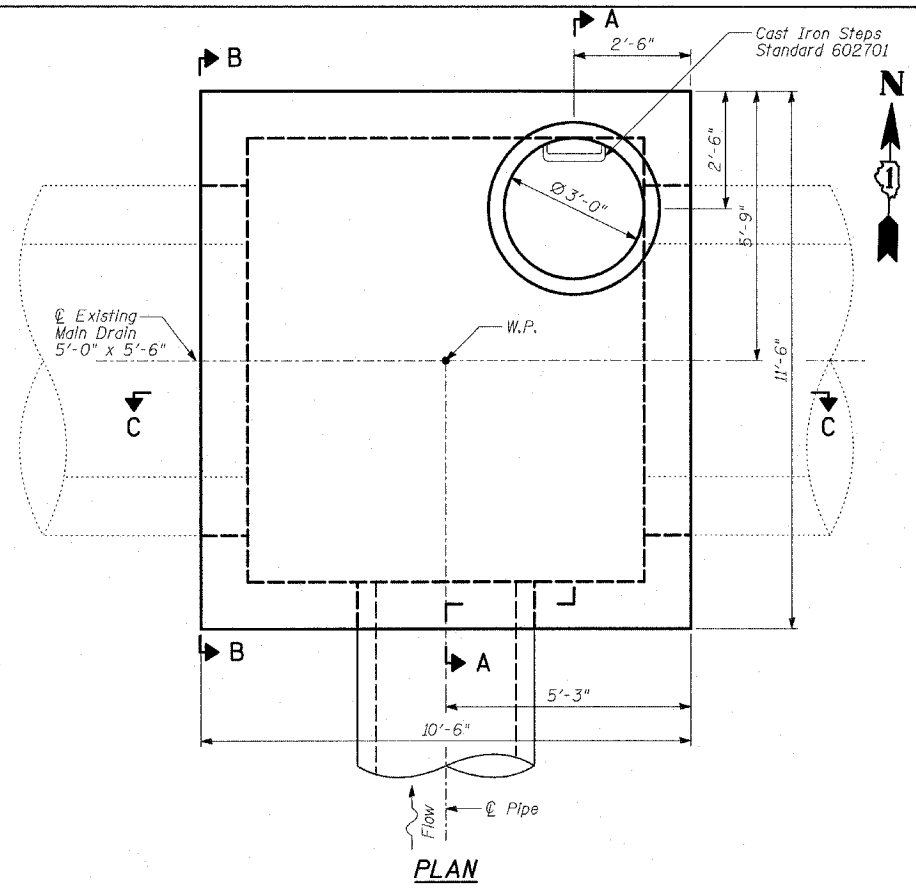
REVISIONS

NAME	DATE
ADDENDUM 1	05/27/05

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

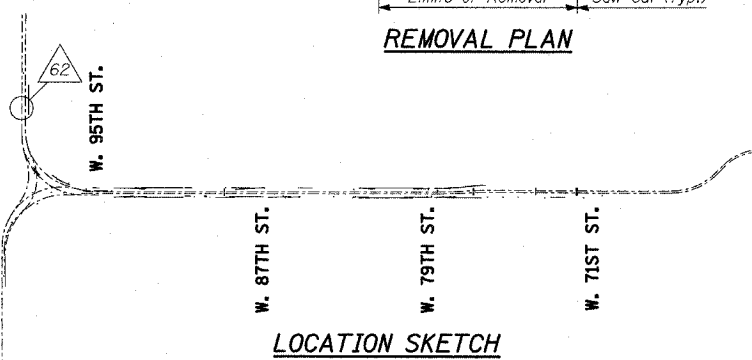
JUNCTION CHAMBER 61
 GENERAL PLAN AND ELEVATION
 STA 2029+66.88 OFFSET 97.40 RT

S.N. DESIGNED BY: TD, DJR
 SCALE: DRAWN BY: DJR
 DATE: MARCH 18, 2005 CHECKED BY: MI, TD



TOTAL BILL OF MATERIAL

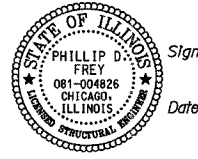
ITEM	UNIT	TOTAL
Junction Chamber No. 62	EACH	1
Braced Excavation	CU YD	146
Porous Granular Embankment	CU YD	142
Rock Excavation for Structures	CU YD	28



GENERAL NOTES:

- Alternate materials for the junction chamber top slab may be cast-in-place concrete or precast reinforced concrete.
- The Contractor shall verify the location of the main drain before submitting the braced excavation drawings.
- Excavation shall be performed simultaneously on each side of the existing Main Drain, followed by simultaneous backfilling around the junction chamber.
- Retention systems placed within ten (10) feet of a water main must remain in place permanently.
- All pipe openings are based on wall C ASTM C76, coordinate openings with pipe supplier.
- Cast iron steps shall be gray iron conforming to the requirements of Article 1006.14 of the Standard Specifications.
- See Standard 602701 for details of cast iron steps.
- For additional information, see Standard Specifications.
- For reinforcement details, see Sheets 2 and 3 of 3.
- For additional details, see Drainage Schedules.
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- Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price for the work.



Signed: *Phillip D. Frey*
 Phillip D. Frey, S.E., Ill. Lic. No. 081-004826
 Expires 11-30-2006. For drawings thru 3
 Date: 3/18/05

REVISIONS

NAME	DATE
ADDENDUM 1	05/27/05
REVISED	05/06/05

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

JUNCTION CHAMBER 62
 GENERAL PLAN AND ELEVATION
 STA 8765+28.14 OFFSET 4.00 RT

S.N. DESIGNED BY: TD, DE
 SCALE: DRAWN BY: DE
 DATE: MARCH 18, 2005 CHECKED BY: ML, TD



COMBINED SEWER STRUCTURE SCHEDULE

STRUCTURE NUMBER	STATION	OFFSET	STRUCTURE TYPE		DIA.	FRAME & LID	TOP OF FRAME	N INV.	E INV.	S INV.	W INV.	DRAIN CONN. (FT)
			MH	CB								
C1	2023+30.08	206.2	RT	A(1/2 TRAP)	4'	T1F OL	16.29			11.50		5.34
C2	2024+82.23	212.6	RT	A(1/2 TRAP)	4'	T1F OL	16.18		11.39			5.34
C3	2210+55.82	119.8	RT	A(1/2 TRAP)	4'	T1F OL	16.23		11.44			5.34
C4	2262+00.40	118.8	RT	A(1/2 TRAP)	4'	T1F OL	7.68		2.89			5.34
C5	2265+10.75	131.0	RT	A(1/2 TRAP)	4'	T1F OL	7.73		2.94			5.34
C6	2317+69.58	126.4	RT	A(1/2 TRAP)	4'	T1F OL	8.30		3.51			5.34
C7	2322+16.16	148.5	RT	A(1/2 TRAP)	4'	T1F OL	9.09		4.30			5.34
C8	2323+52.38	156.6	RT	A(1/2 TRAP)	4'	T1F OL	8.97		4.18			5.34
C9	2324+90.05	164.7	RT	A(1/2 TRAP)	4'	T1F OL	8.92		4.13			5.34
C10	2328+04.40	179.6	RT	A(1/2 TRAP)	4'	T1F OL	8.59		3.80			5.34
C11	2340+42.97	159.4	RT	A(1/2 TRAP)	4'	T1F OL	7.61		2.82			5.34
C12	2326+19.73	171.9	RT	A(1/2 TRAP)	4'	T1F OL	8.81		4.02			
C13	2246+88.19	129.6	RT	A(1/2 TRAP)	4'	T1F OL	7.92		3.13			5.34
C14	NOT USED											
C15	2360+68.98	157.2	RT	A(1/2 TRAP)	4'	T1F OL	7.44		2.65			
C16	2320+95.2	141.5	RT	A(1/2 TRAP)	4'	T1F OL	9.03		4.24			5.34

COMBINED SEWER SCHEDULE

PIPE NUMBER	UPSTREAM STATION	DOWNSTREAM STATION	TYPE	DIA. (IN)	LENGTH (FT)	SLOPE (%)
C12	2326+19.73	2326+19.10	ESVCP	8	7	0.44
C15	2360+68.98	2360+79.93	DIP TY-2	8	14	0.44

NOTES:

- INDICATES CATCH BASIN WITH HALF TRAP, 4' DIAMETER, TYPE 1 FRAME & OPEN LID OR TYPE 20 FRAME & GRATE.
- INDICATES MANHOLE, TYPE A, 6' DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE.
- INDICATES SEWER LATERAL WITH 45° CONNECTION. SEE SHEET "DETAIL OF STORM SEWER CONNECTIONS TO SEWER."
- INDICATES SEWER LATERAL WITH 30° CONNECTION. SEE SHEET "DETAIL OF STORM SEWER CONNECTIONS TO SEWER."
- INDICATES SEWER LATERAL WITH 60° CONNECTION. SEE SHEET "DETAIL OF STORM SEWER CONNECTIONS TO SEWER."
- INDICATES MANHOLE TYPE A WITH FLAT SLAB TOP, IDOT STANDARD 602601.

CASING SIZES

PIPE SIZE	CASING SIZE (OD)*	CASING WALL THICKNESS
12"	30"	0.500"
24"	42"	0.625"
30"	48"	0.688"
36"	48"	0.688"

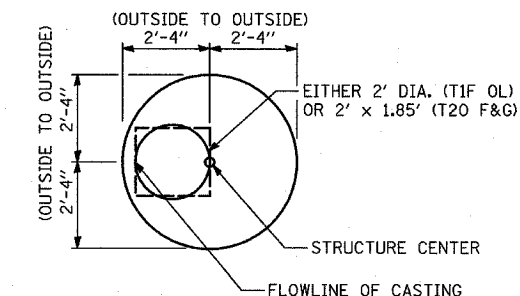
*ALL STEEL CASING SHALL MEET OR EXCEED ASTM A-139, GRADE B.

SEE THE DRAINAGE & UTILITY PLANS FOR LOCATION OF ALL STRUCTURES.

CATCH BASIN STATIONS ARE MEASURED TO CENTER OF STRUCTURE.

CATCH BASIN OFFSETS ARE MEASURED TO FLOWLINE OF CASTING. (SEE BELOW)

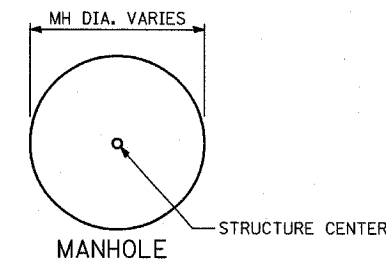
FLOWLINE OF CASTING IS LOCATED AT ϕ OF STRUCTURE FOR CATCH BASINS LOCATED IN SWALE AND GORE AREAS.



CATCH BASIN

(PRECAST REINFORCED CONCRETE SECTION)

MANHOLE STATIONS AND OFFSETS ARE MEASURED TO CENTER OF STRUCTURE. (SEE BELOW)



MANHOLE RECONSTRUCTION SCHEDULE

STRUCTURE NUMBER	STATION	OFFSET	STRUCTURE DATA		EXISTING RIM EL	PROPOSED RIM EL
			MH TA	DROP MH		
118	2239+80.04	82.12	RT	10' DIA	3.81	0.38
122	2264+77.61	73.76	RT	6' DIA	-0.42	-2.67
130	2316+16.41	78.30	RT	7' DIA	-0.46	-3.71
151	2348+84.41	142.61	RT	8' DIA	6.73	4.29

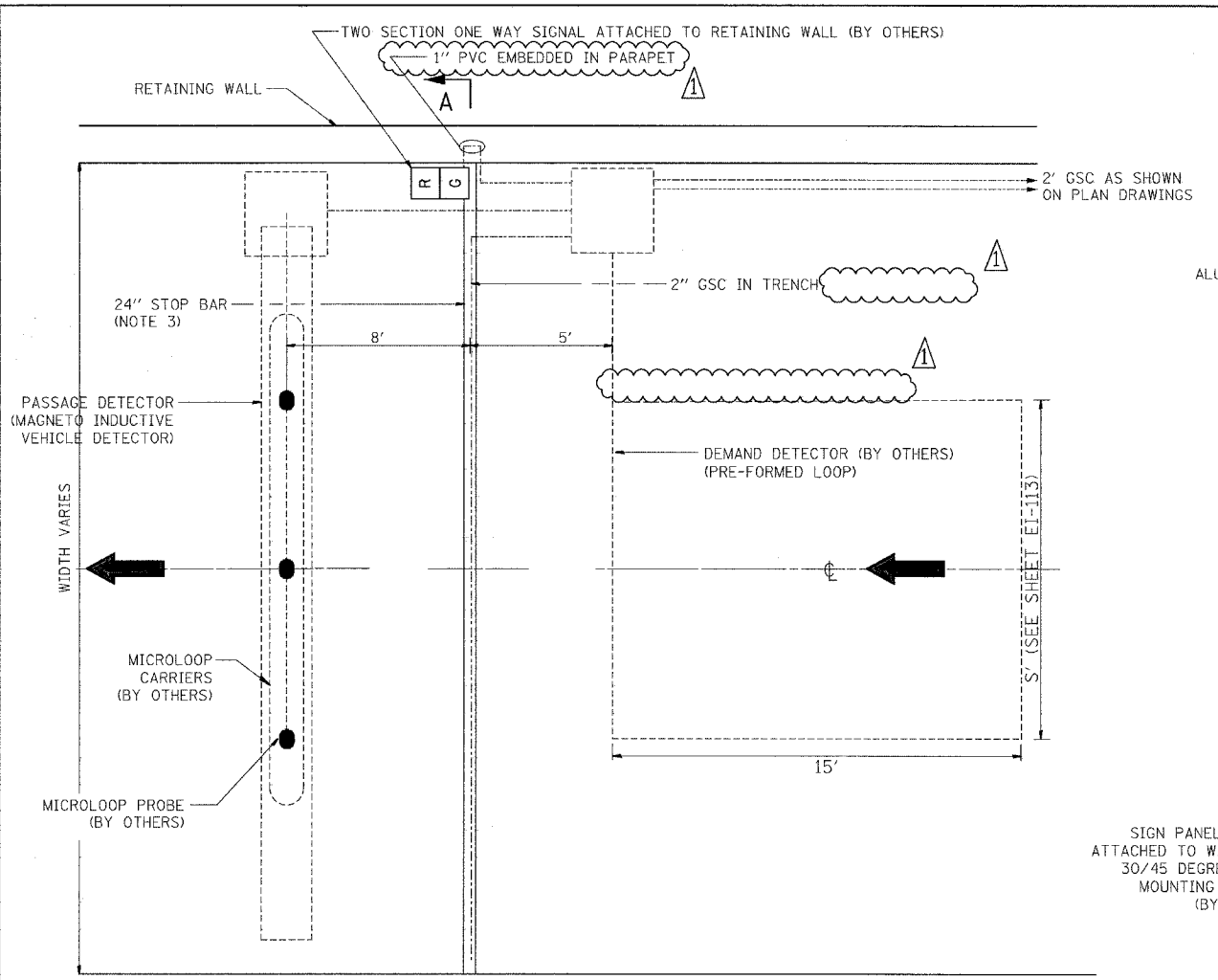
STRUCTURE EXCAVATION SCHEDULE

STRUCTURE NUMBER	STATION	OFFSET	POROUS GRANULAR EMBANKMENT (CU YD) (PAY ITEM 20700220)	ROCK EXCAVATION FOR STRUCTURES (CU YD) (PAY ITEM 50200400)	BRACED EXCAVATION (CU YD) (PAY ITEM X0320870)	
3A6	205+18.00	64.5	LT	173	49	238
3C4	216+38.39	30.8	RT	227	47	287
132	2239+87.87	75.3	LT	80	0	100

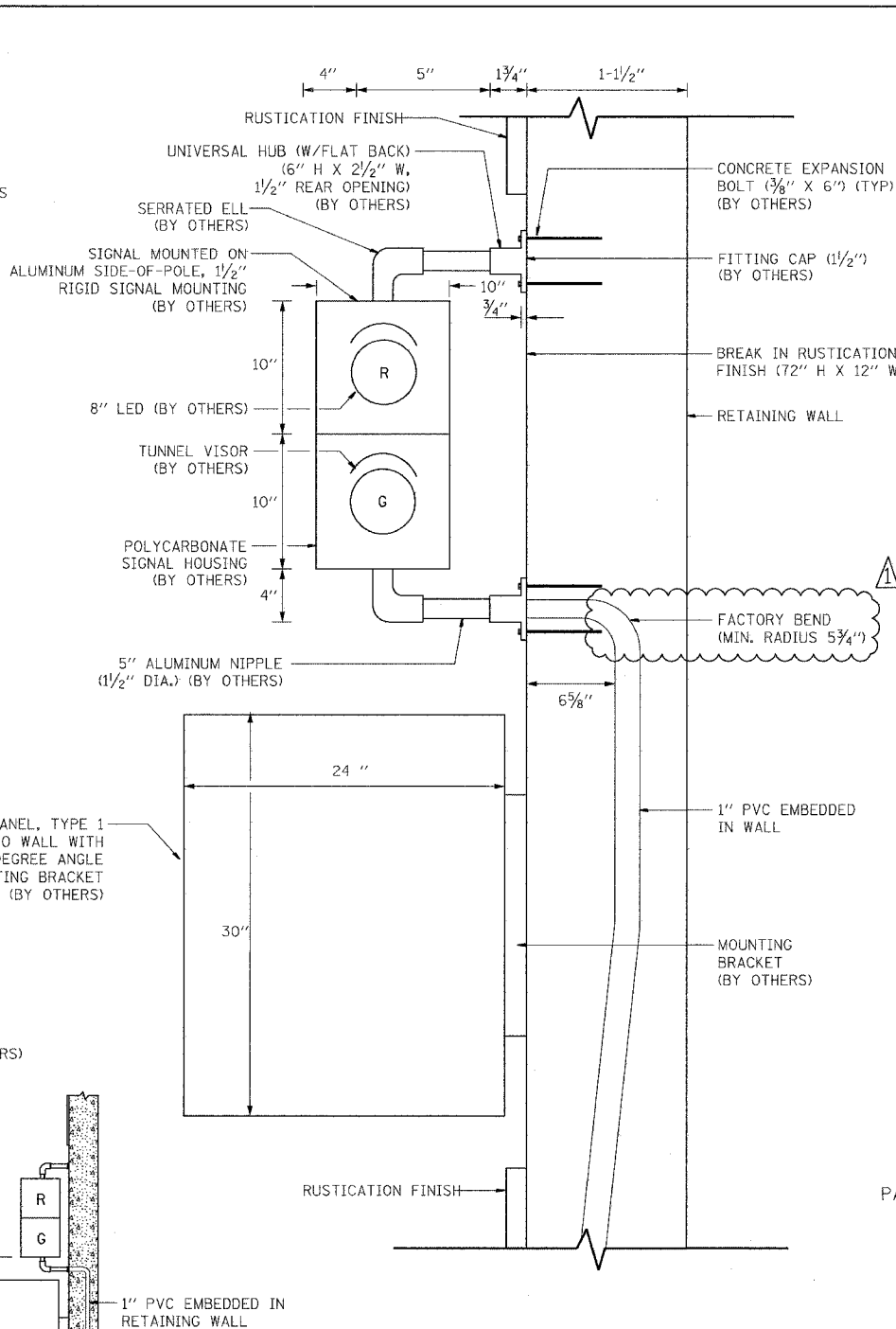
REVISIONS	
NAME	DATE
ADDENDUM 1	05/27/05
REVISED	05/06/05
REVISED	04/15/05

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	860	348
STA. --- TO STA. ---		FED. AID PROJECT		
FED. ROAD DIST. NO. 1 ILLINOIS		* (1516.1, 1717 & 1818) R-9		

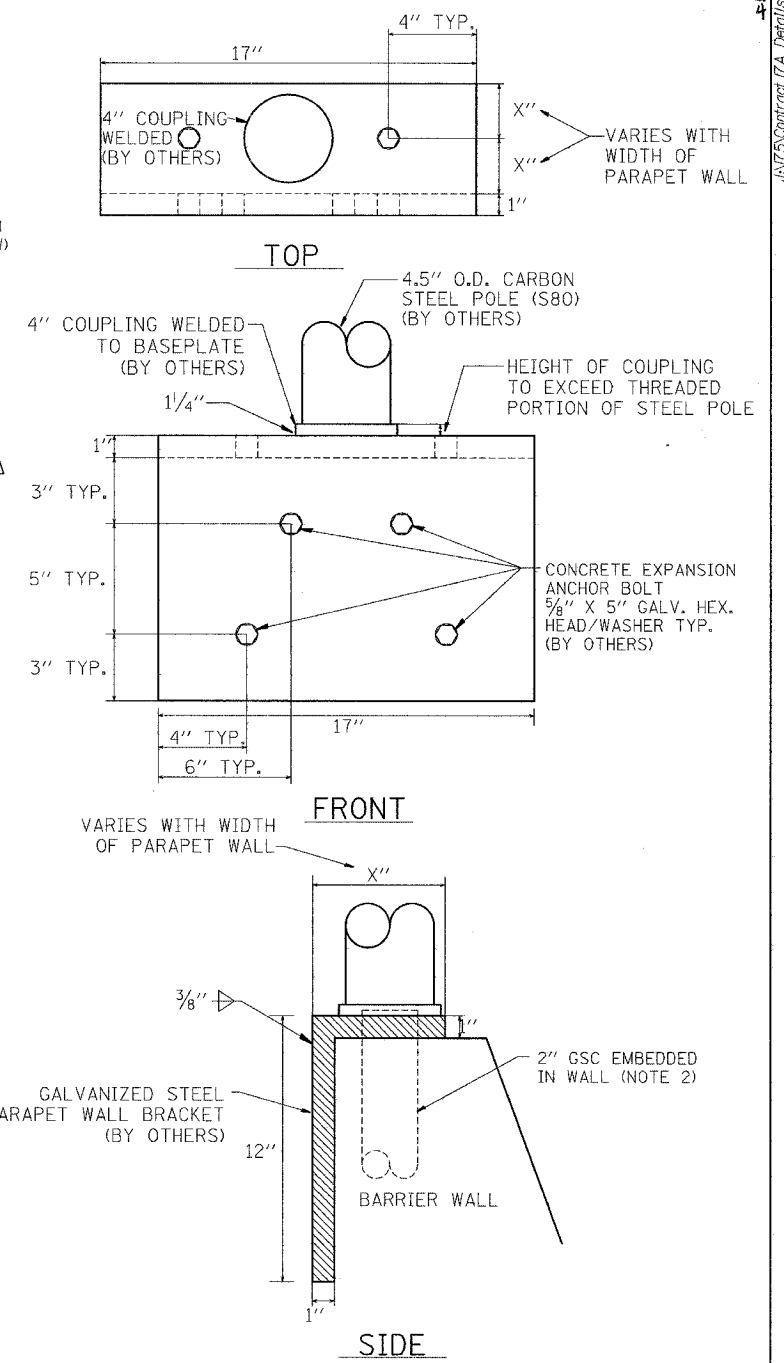
6269
 JVS/Contract 17A Details/REV 00V/142E-S17



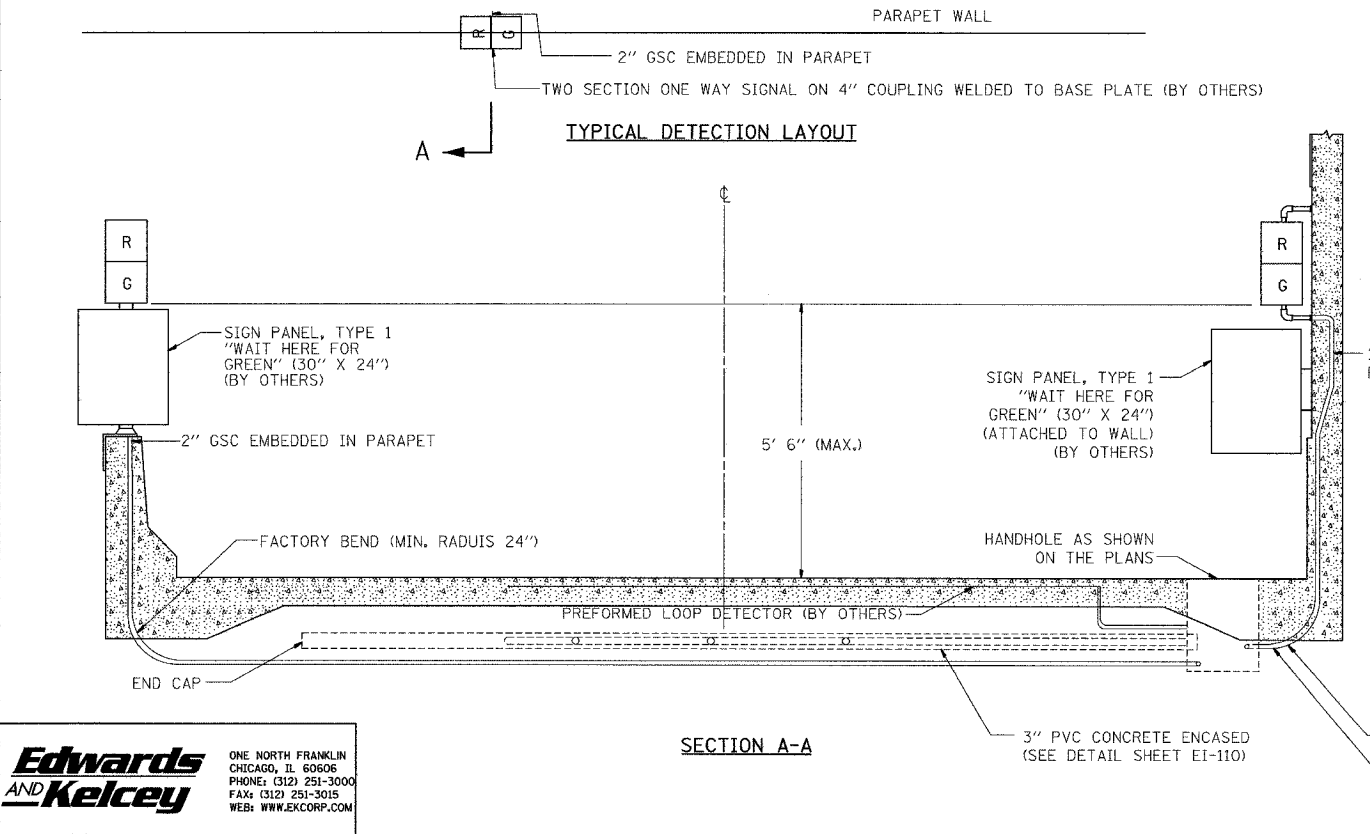
TYPICAL DETECTION LAYOUT



SIGNAL & SIGN ATTACHED TO RETAINING WALL



SIGNAL MOUNTED ON PARAPET WALL



SECTION A-A

- NOTES:
1. CONDUIT AND HANDHOLE MUST BE FURNISHED AND INSTALLED UNDER THIS CONTRACT. ALL CABLES, PROBES, SIGNALS, SIGNS, AND OTHER EQUIPMENT WILL BE FURNISHED AND INSTALLED BY OTHERS UNDER CONTRACT NUMBER 62583.
 2. CONDUIT MUST BE STUBBED OUT OF CONCRETE A MINIMUM OF 3".
 3. CENTERLINE OF STOP BAR AND TRAFFIC SIGNALS SHALL BE LOCATED AT THE STATION SHOWN ON THE PLANS.

Edwards AND Kelcey
 ONE NORTH FRANKLIN
 CHICAGO, IL 60606
 PHONE: (312) 251-3000
 FAX: (312) 251-3015
 WEB: WWW.EKCORP.COM

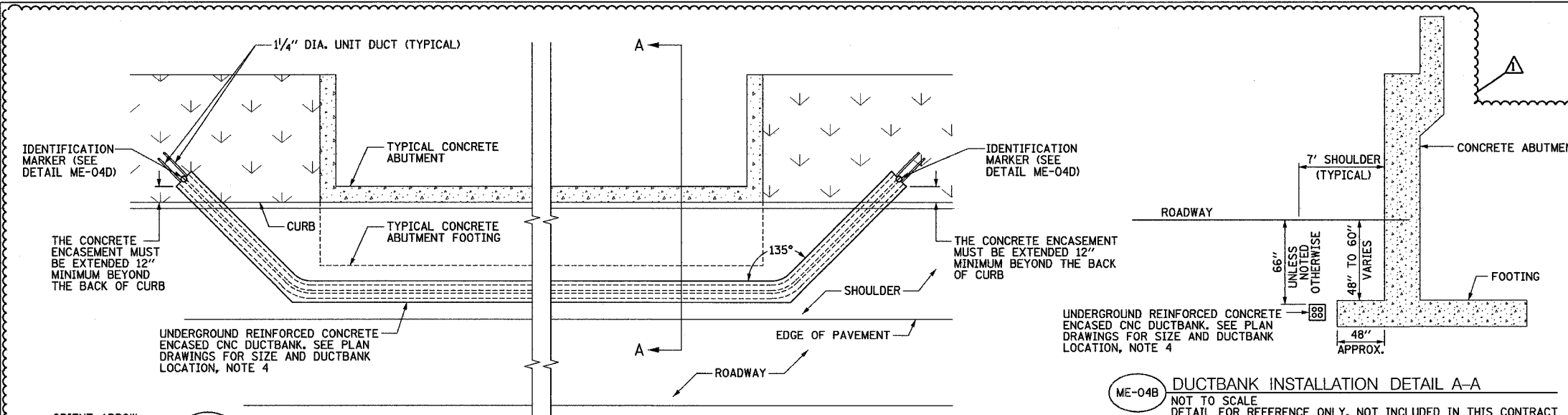
REVISIONS	
NAME	DATE
ADDENDUM 1	5/21/05

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
**TYPICAL RAMP METERING
 BARRIER WALL AND
 RETAINING WALL INSTALLATION**
 SCALE: NTS DRAWN BY: NB
 DATE: MARCH 25, 2005 CHECKED BY: CTC

17A/EI-114
 5/26/2005 4:02:01 PM

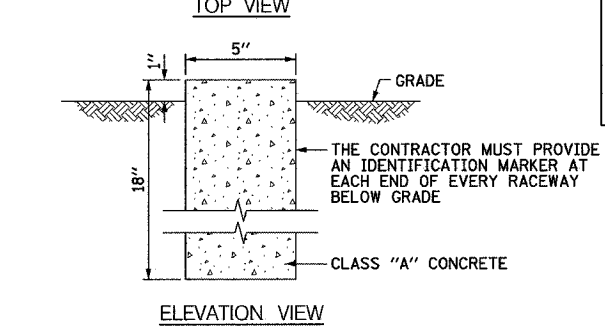
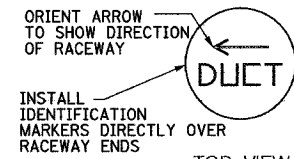
NOTES:

- SEE DRAWINGS ME-01 AND ME-02 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- SEE PLAN DRAWINGS FOR THE PROPOSED CONDUIT ROUTING.
- DUCTBANK DEPTH MUST BE ADJUSTED SUCH THAT THE TOP OF CONCRETE ENCASUREMENT IS INSTALLED UNDER THE BOTTOM OF RETAINING WALL CONCRETE FACING. THE DUCTBANK DEPTH MUST BE 30 INCHES MINIMUM.
- SEE DRAWING ME-11 FOR ELECTRICAL CONCRETE DUCTBANK DETAILS.
- SEE PLAN DRAWINGS FOR ANY DEVIATIONS IN DUCTBANK DEPTH.



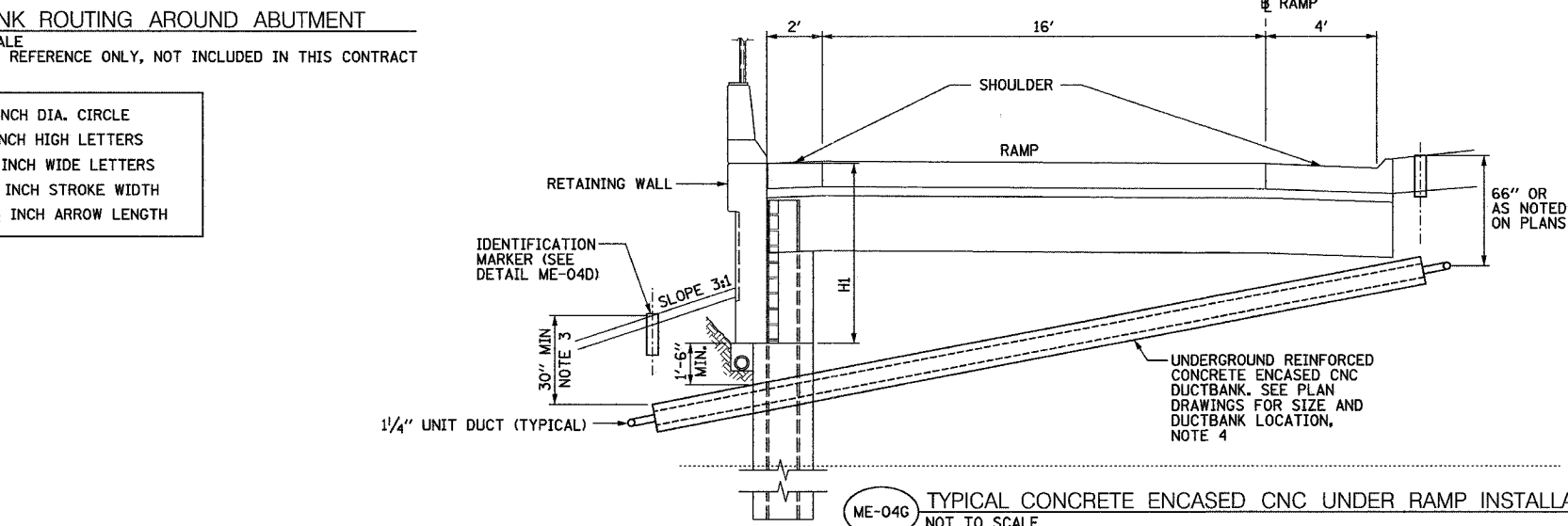
ME-04B DUCTBANK INSTALLATION DETAIL A-A
NOT TO SCALE
DETAIL FOR REFERENCE ONLY, NOT INCLUDED IN THIS CONTRACT

ME-04A DUCTBANK ROUTING AROUND ABUTMENT
NOT TO SCALE
DETAIL FOR REFERENCE ONLY, NOT INCLUDED IN THIS CONTRACT



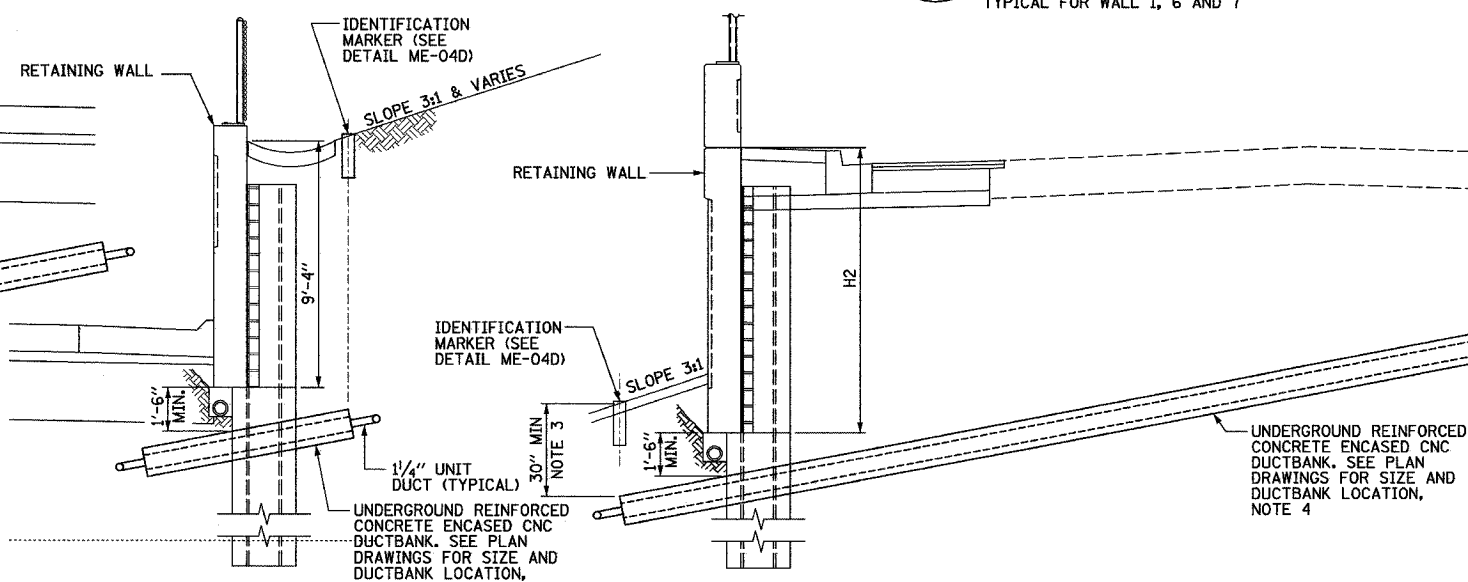
ME-04D IDENTIFICATION MARKER DETAIL
NOT TO SCALE

ME-04C CONCRETE ENCASED CNC UNDER WALL 1
(STA. 2215+77.82) INSTALLATION DETAIL
NOT TO SCALE

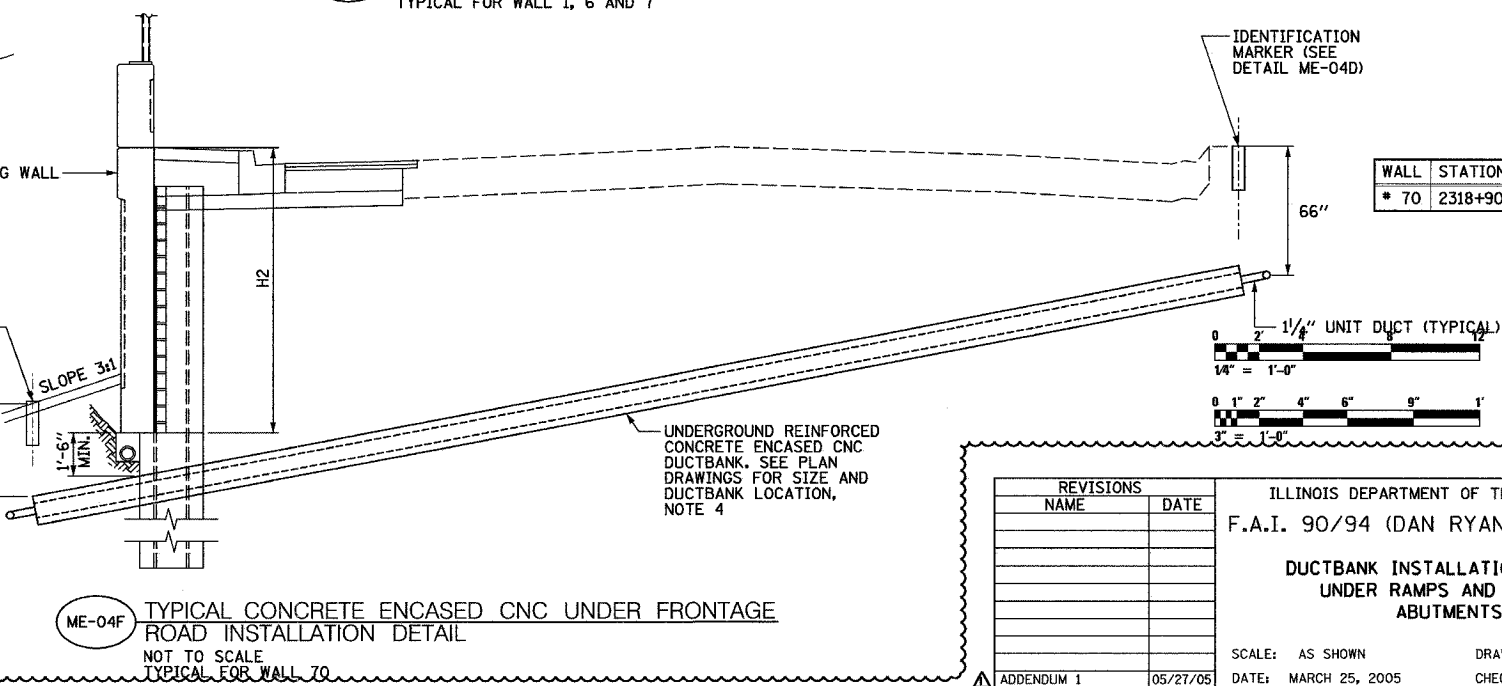


ME-04G TYPICAL CONCRETE ENCASED CNC UNDER RAMP INSTALLATION DETAIL
NOT TO SCALE
TYPICAL FOR WALL 1, 6 AND 7

WALL	STATION	H1
* 1	2213+30.89	13'-1"
* 6	2265+37.53	6'-3"
* 7	2267+40.00	7'-10"
* 7	2268+71.97	7'-9"

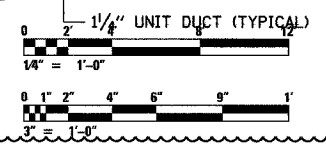


ME-04E CONCRETE ENCASED CNC UNDER WALL 2A
(STA. 2216+05.41) INSTALLATION DETAIL
NOT TO SCALE



ME-04F TYPICAL CONCRETE ENCASED CNC UNDER FRONTAGE ROAD INSTALLATION DETAIL
NOT TO SCALE
TYPICAL FOR WALL 70

WALL	STATION	H2
* 70	2318+90.00	9'-8"



REVISIONS	
NAME	DATE

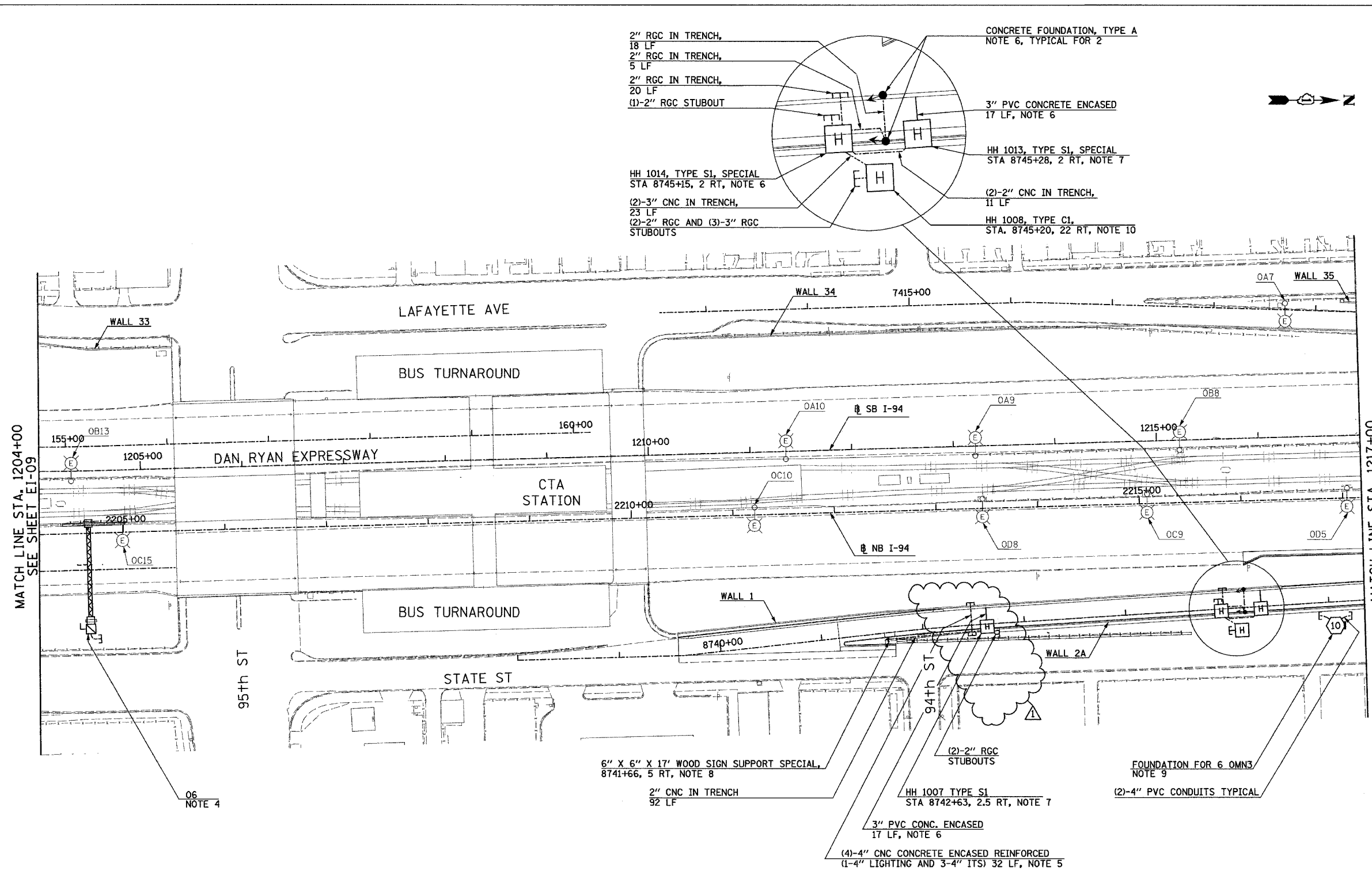
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 90/94 (DAN RYAN EXPRESSWAY)
DUCTBANK INSTALLATION DETAILS
UNDER RAMPS AND AROUND
ABUTMENTS

SCALE: AS SHOWN
DATE: MARCH 25, 2005

DRAWN BY: CJM
CHECKED BY: WDS

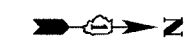
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	860	385
STA. 1204+00		TO STA. 1217+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
(1516.1, 1717 & 1818) R-8		62694		

- NOTES:**
- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
 - COORDINATE ALL WORK WITH IDOT CONTRACTS 62583 AND 62695.
 - UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS AND WORK.
 - SIGN STRUCTURE SHALL BE PROVIDED UNDER THIS CONTRACT. SIGN LUMINAIRES, DISCONNECT SWITCH, WIRING AND CONNECTIONS SHALL BE PROVIDED UNDER CONTRACT 62583.
 - REFER TO SHEETS EI-102 AND ME-04 FOR DUCTBANK INSTALLATION DETAILS.
 - REFER TO SHEETS EI-106, EI-110 AND EI-113 FOR RAMP METERING DETAILS.
 - REFER TO SHEETS EI-103, EI-106 AND EI-110 FOR HANDHOLE DETAILS.
 - REFER TO SHEET EI-112 FOR WOOD SIGN SUPPORT DETAILS.
 - REFER TO STRUCTURAL DRAWINGS AND EI-104 FOR CONDUIT INSTALLATION DETAILS FOR LIGHT TOWER FOUNDATIONS MOUNTED ON RETAINING WALLS.
 - REFER TO SHEET EI-107 FOR COMMUNICATIONS VAULT CI DETAILS.



MATCH LINE STA. 1204+00
SEE SHEET EI-09

MATCH LINE STA. 1217+00
SEE SHEET EI-11



17A/EI-10

REVISIONS	
NAME	DATE
REVISED	5/06/05

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

ELECTRICAL INFRASTRUCTURE PLANS
PROPOSED IMPROVEMENTS

SCALE: 1"=50'
DATE: MARCH 18, 2005

DRAWN BY: VK
CHECKED BY: TM

SINGH 300 W. ADAMS ST.
CHICAGO, IL 60606
SINGH & ASSOCIATES, INC. TEL: (312) 629-0240
CONSULTING ENGINEERS FAX: (312) 629-8449

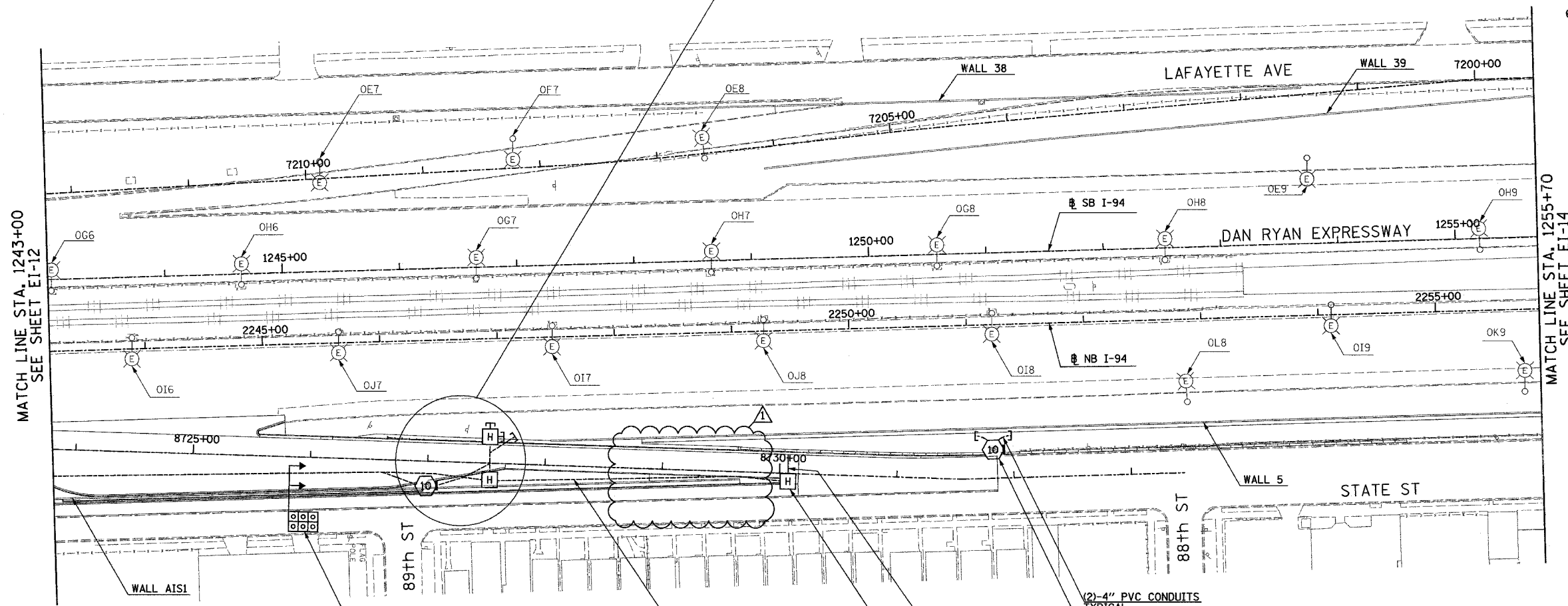
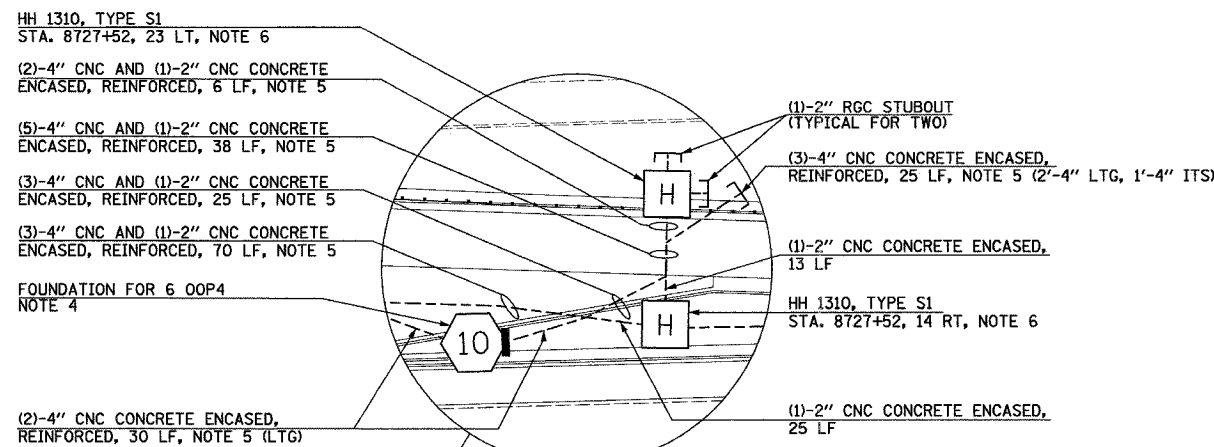
ADDENDUM 1 05/27/05

5/26/2005 4:08:55 PM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94	*	COOK	860	388
STA. 1243+00			TO STA.	1255+70
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT		
* (1516,1,1717 & 1818) R-8		62694		

NOTES:

- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- COORDINATE ALL WORK WITH IDOT CONTRACTS 62583 AND 62695.
- UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS AND WORK.
- REFER TO STRUCTURAL DRAWINGS AND EI-104 FOR CONDUIT INSTALLATION DETAILS FOR LIGHT TOWER FOUNDATIONS MOUNTED ON RETAINING WALLS.
- REFER TO SHEETS EI-102 AND ME-04 FOR DUCTBANK INSTALLATION DETAILS.
- REFER TO SHEETS EI-103, EI-106 AND EI-110 FOR HANDHOLE DETAILS.



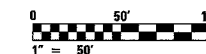
(5)-4" CNC AND (1)-2" CNC CONCRETE ENCASED REINFORCED, (2)-4" CNC LIGHTING), 356 LF, NOTE 5

(1)-2" CNC CONCRETE ENCASED, 253 LF

HH 1313, TYPE S1 (SPECIAL)
STA. 8730+07, 7 RT, NOTE 6

3" PVC CONCRETE ENCASED, 16 LF, NOTE 5

(2)-4" PVC CONDUITS TYPICAL
FOUNDATION FOR 6 OGH1
NOTE 4



17A/EI-13

REVISIONS		
REVISION	NAME	DATE

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

ELECTRICAL INFRASTRUCTURE PLANS
PROPOSED IMPROVEMENTS

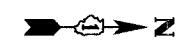
SCALE: 1"=50'
DATE: MARCH 18, 2005
DRAWN BY: VK
CHECKED BY: TM

SINGH 300 W. ADAMS ST.
CHICAGO, IL 60606
SINGH & ASSOCIATES, INC. TEL: (312) 629-0240
CONSULTING ENGINEERS FAX: (312) 629-8449

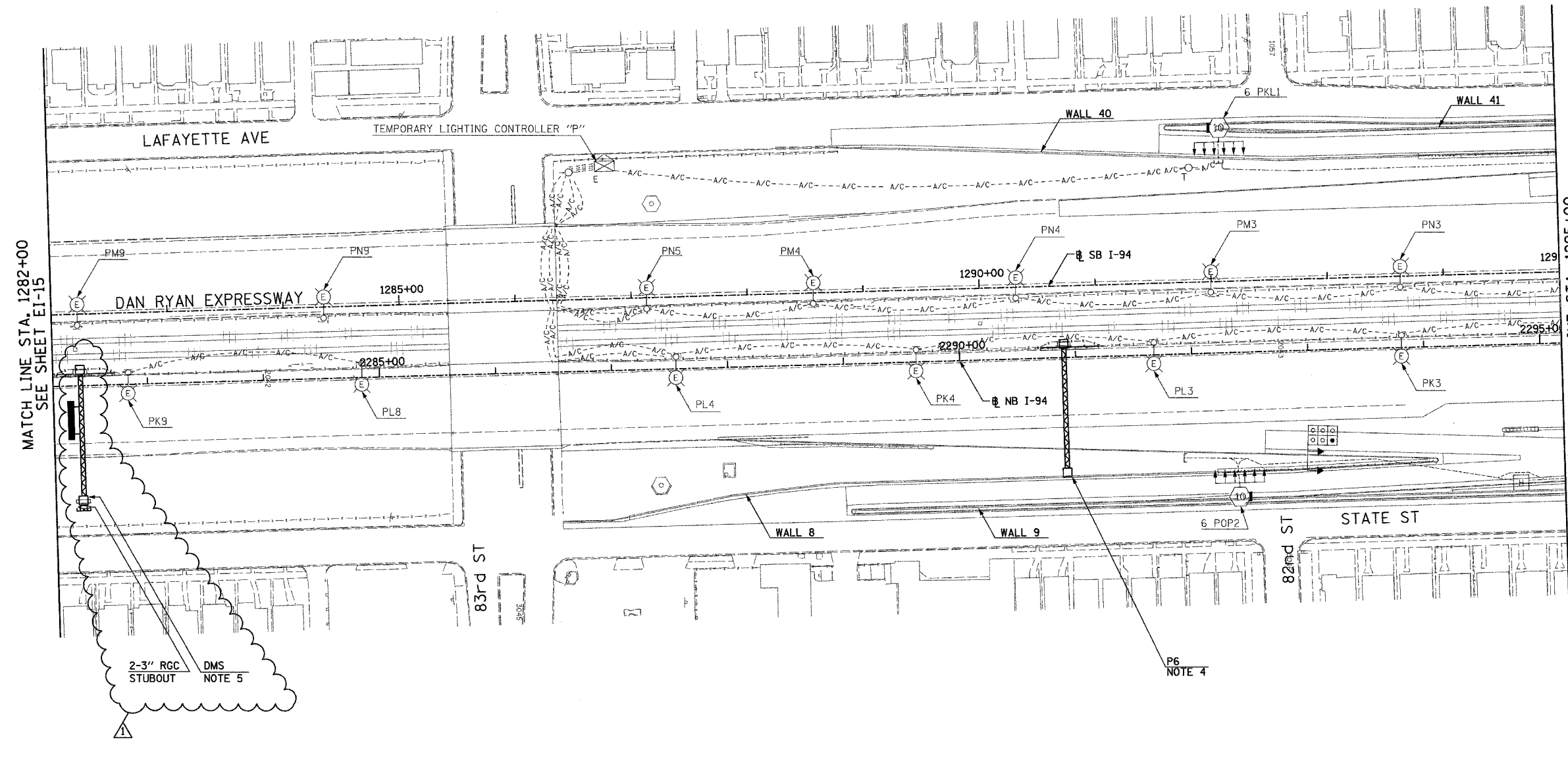


5/25/2005 00:08:46 AM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	860	391
STA. 1282+00		TO STA. 1295+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* (1516.1, 1717 & 1818) R-8		62694		

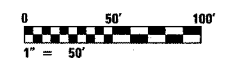


- NOTES:**
- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
 - COORDINATE ALL WORK WITH IDOT CONTRACTS 62583 AND 62695.
 - UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS AND WORK.
 - SIGN STRUCTURE SHALL BE PROVIDED UNDER THIS CONTRACT. SIGN LUMINAIRES, DISCONNECT SWITCH, WIRING AND CONNECTIONS SHALL BE PROVIDED UNDER CONTRACT 62583.
 - PROVIDE 2-3" RGC CONDUITS IN DMS FOUNDATION FOR ELECTRICAL CABLE TO BE PROVIDED UNDER CONTRACT 62583.



2-3" RGC STUBOUT DMS NOTE 5

P6 NOTE 4



SINGH 300 N. ADAMS ST.
CHICAGO, IL 60606
SINGH & ASSOCIATES, INC. TEL: (312) 629-0240
CONSULTING ENGINEERS FAX: (312) 629-8449

REVISIONS		
NAME	DATE	
REVISED	5/06/05	
ADDENDUM 1	05/27/05	

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

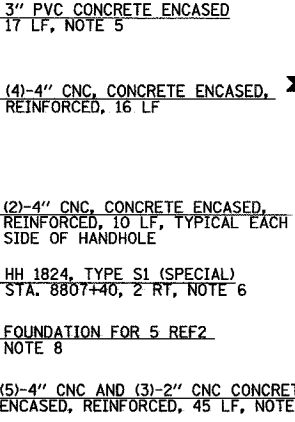
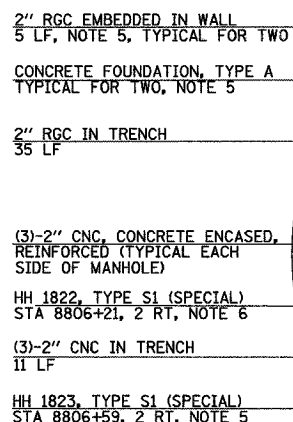
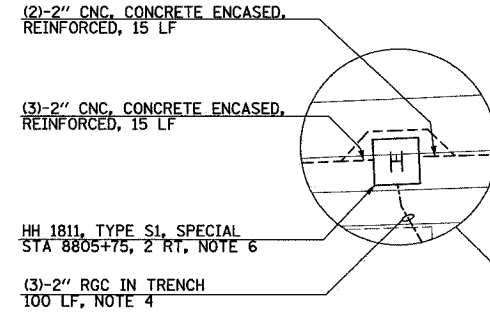
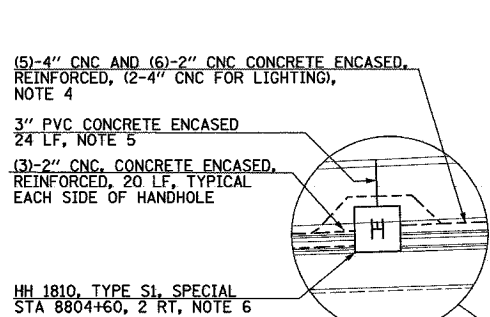
**ELECTRICAL INFRASTRUCTURE PLANS
PROPOSED IMPROVEMENTS**

SCALE: 1"=50'
DATE: MARCH 18, 2005
DRAWN BY: VK
CHECKED BY: TM

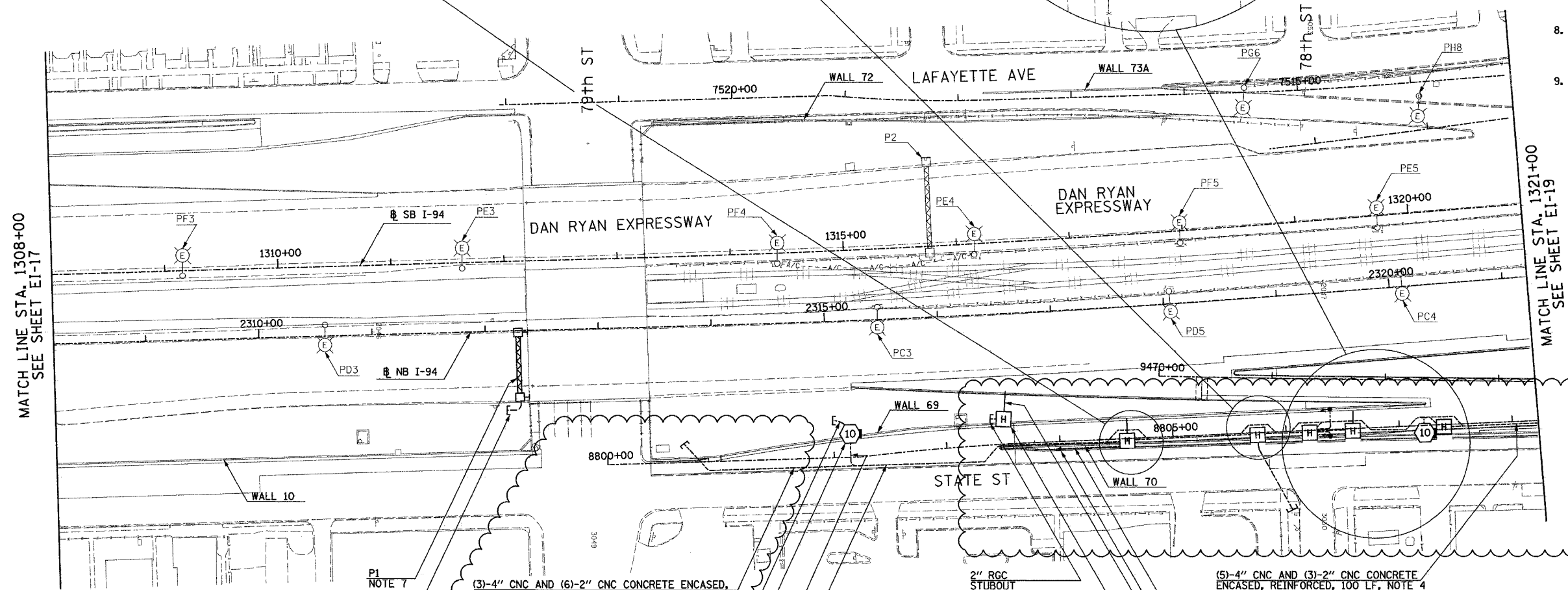
17A/EI-16

5/25/2005 10:39:52 AM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	860	393
STA. 1308+00		TO STA. 1321+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* (1516.1, 1717 & 1818) R-8				62694

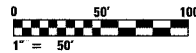
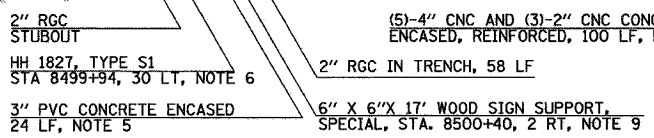
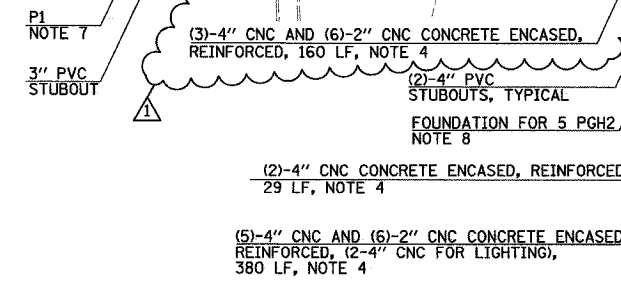


- NOTES:**
- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
 - COORDINATE ALL WORK WITH IDOT CONTRACTS 62583 AND 62695.
 - UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS AND WORK.
 - REFER TO SHEETS EI-102 AND ME-04 FOR DUCTBANK INSTALLATION DETAILS.
 - REFER TO SHEETS EI-106, EI-110 AND EI-114 FOR RAMP METERING DETAILS.
 - REFER TO SHEETS EI-103, EI-106 AND EI-110 FOR HANDHOLE DETAILS.
 - SIGN STRUCTURE SHALL BE PROVIDED UNDER THIS CONTRACT. SIGN LUMINAIRES, DISCONNECT SWITCH, WIRING AND CONNECTIONS SHALL BE PROVIDED UNDER CONTRACT 62583.
 - REFER TO STRUCTURAL DRAWINGS AND EI-104 FOR CONDUIT INSTALLATION DETAILS FOR LIGHT TOWER FOUNDATIONS MOUNTED ON RETAINING WALLS.
 - REFER TO SHEET EI-112 FOR WOOD SIGN SUPPORT DETAILS.



MATCH LINE STA. 1308+00
SEE SHEET EI-17

MATCH LINE STA. 1321+00
SEE SHEET EI-19



17A/EI-18

REVISIONS	
NAME	DATE
REVISED	5/06/05

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

ELECTRICAL INFRASTRUCTURE PLANS
PROPOSED IMPROVEMENTS

SCALE: 1"=50'

DATE: MARCH 18, 2005

DRAWN BY: VK
CHECKED BY: TM

SINGH 300 W. ADAMS ST.
CHICAGO, IL 60606
SINGH & ASSOCIATES, INC. TEL: (312) 629-0240
CONSULTING ENGINEERS FAX: (312) 629-8449

ADDENDUM 1 05/27/05

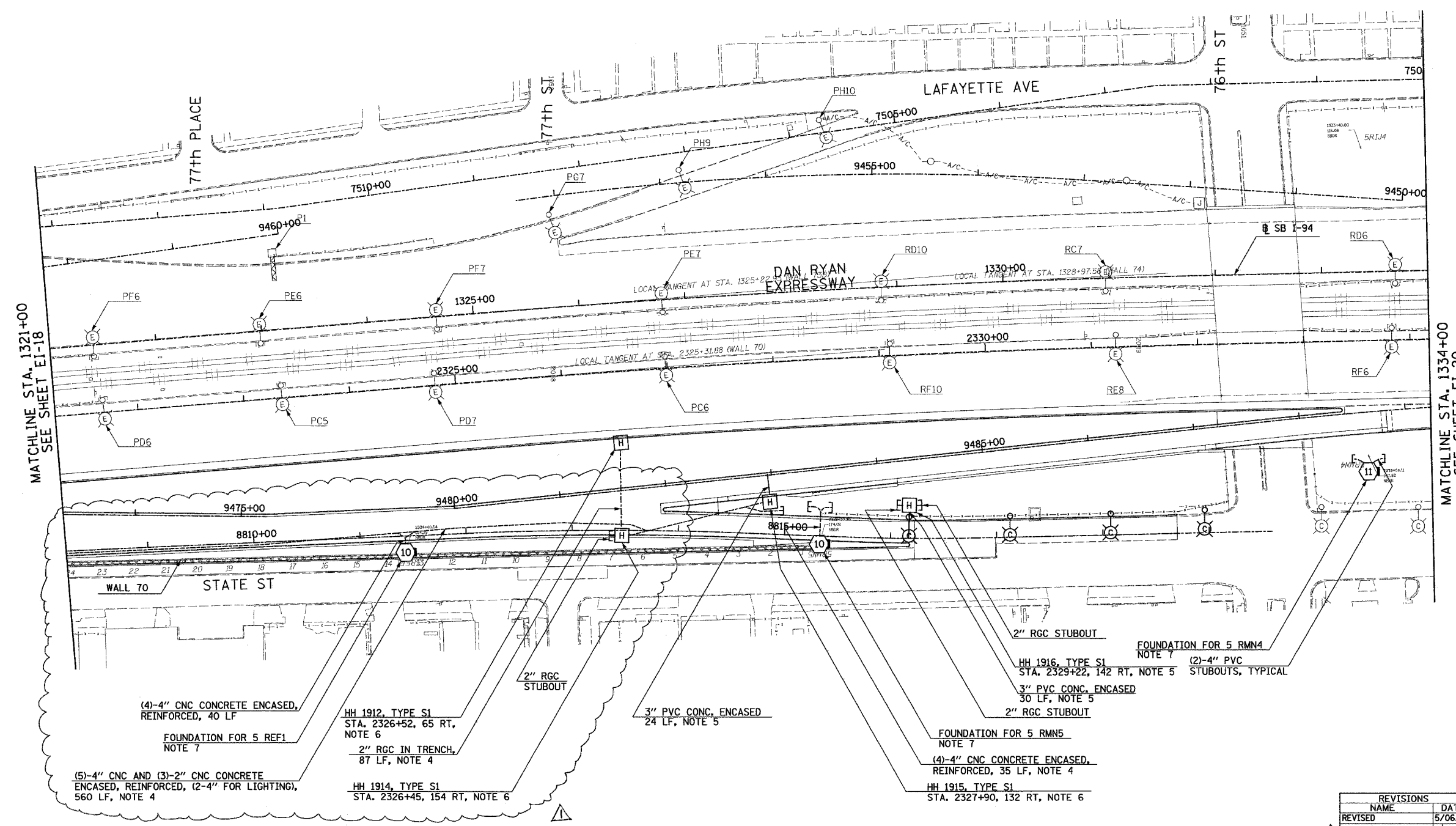
5/26/2005 5:35:38 PM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94		COOK	860	394
STA. 1321+00		TO STA. 1334+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
				62694
* (1516.L1717 & 1818) R-8				



NOTES:

- SEE DRAWINGS EI-100 AND EI-101 FOR ELECTRICAL SYMBOLS AND ABBREVIATIONS.
- COORDINATE ALL WORK WITH IDOT CONTRACTS 62583 AND 62695.
- UNLESS NOTED OTHERWISE, ALL ITEMS AND WORK SHOWN IN HEAVY LINE WEIGHT ON THIS DRAWING ARE PROPOSED NEW ITEMS AND WORK.
- REFER TO SHEETS EI-102 AND ME-04 FOR DUCTBANK INSTALLATION DETAILS.
- REFER TO SHEETS EI-106, EI-110 AND EI-113 FOR RAMP METERING DETAILS.
- REFER TO SHEETS EI-103, EI-106 AND EI-110 FOR HANDHOLE DETAILS.
- REFER TO STRUCTURAL DRAWINGS FOR CONDUIT INSTALLATION DETAILS FOR LIGHT TOWER FOUNDATIONS GROUND MOUNTED.



MATCHLINE STA. 1321+00
SEE SHEET EI-18

MATCHLINE STA. 1334+00
SEE SHEET EI-20

(4)-4" CNC CONCRETE ENCASED, REINFORCED, 40 LF
FOUNDATION FOR 5 REF1
NOTE 7

(5)-4" CNC AND (3)-2" CNC CONCRETE ENCASED, REINFORCED, (2-4" FOR LIGHTING), 560 LF, NOTE 4

HH 1912, TYPE S1
STA. 2326+52, 65 RT, NOTE 6
2" RGC IN TRENCH,
87 LF, NOTE 4

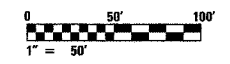
HH 1914, TYPE S1
STA. 2326+45, 154 RT, NOTE 6

3" PVC CONC. ENCASED
24 LF, NOTE 5

FOUNDATION FOR 5 RMN5
NOTE 7
(4)-4" CNC CONCRETE ENCASED,
REINFORCED, 35 LF, NOTE 4

HH 1915, TYPE S1
STA. 2327+90, 132 RT, NOTE 6

2" RGC STUBOUT
FOUNDATION FOR 5 RMN4
NOTE 7
HH 1916, TYPE S1
STA. 2329+22, 142 RT, NOTE 5
3" PVC CONC. ENCASED
30 LF, NOTE 5
(2)-4" PVC STUBOUTS, TYPICAL



SINGH
SINGH & ASSOCIATES, INC.
CONSULTING ENGINEERS

300 W. ADAMS ST.
CHICAGO, IL 60606
TEL: (312) 629-0240
FAX: (312) 629-8449

REVISIONS	
NAME	DATE
REVISOR	5/06/05
ADDENDUM 1	5/7/05

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

ELECTRICAL INFRASTRUCTURE PLANS
PROPOSED IMPROVEMENTS

SCALE: 1"=50'
DATE: MARCH 18, 2005

DRAWN BY: VK
CHECKED BY: TM

5/26/2005 5:38:09 PM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	860	852B
STA. 2200+00.00		TO STA. 2362+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
				62694

FOR SIGN STRUCTURE AT STA. 227+29

BORING LOG SB SGN 02A Page 1 of 1

Wang Engineering, Inc.
wangeng3@wangeng.com
1145 Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

WEI Job No.: 414-07-01
Client: T. Y. LIN International
Project: Dan Ryan Improvements; IDOT No. D-91-421-01
Location: From 95th Street to South of 69th Street

Datum: CCD
Elevation: 1.83 ft
North: 1839454.10 ft
East: 1176183.41 ft
Station: 227+29
Offset: 48' LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
1.1	8-inch thick, black LOAM --TOPSOIL-- Very stiff to hard, gray LOAM --FILL--	1	X	1	5 5 5	4.00 P	19	1.1		11	X	11	12 14 24	6.56 B	11
5.0		2	X	2	3 4 2	2.00 P	8	5.0		30	X	12	10 15 12	8.61 B	10
5.7	Medium dense, gray SILT	3	X	3	3 10 11	NP	13	5.7	Boring terminated at 30.50 ft						
7.4	Medium dense, gray SAND	4	X	4	7 9 15	NP	16	7.4							
8.7	Very stiff to hard, gray gravelly SILTY CLAY	5	X	5	4 5 7	3.69 B	14	8.7							
15.0		6	X	6	4 12 13	4.50 P	10	15.0							
20.0		7	X	7	7 11 9	6.31 B	12	20.0							
25.0		8	X	8	7 14 13	5.74 B	11	25.0							
		9	X	9	7 12 15	7.38 B	11								
		10	X	10	4 20 22	8.61 B	10								

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	03-17-2005	Complete Drilling	03-17-2005	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&L	Logger	Y. Shiu	Time After Drilling	NA		
Checked by	N. Davis	Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion	Depth to Water	∇	NA	

FOR SIGN STRUCTURE AT STA. 227+29

BORING LOG SB SGN 02B Page 1 of 1

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WEI Job No.: 414-07-01
Client: T. Y. LIN International
Project: Dan Ryan Improvements; IDOT No. D-91-421-01
Location: From 95th Street to South of 69th Street

Datum: CCD
Elevation: 2.39 ft
North: 1839337.09 ft
East: 1176183.16 ft
Station: 227+29
Offset: 61' RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
1.6	10-inch thick CONCRETE --PAVEMENT-- Very dense, brown coarse SAND --FILL--	1	X	1	11 57 50/44	NP	36	1.6	Boring terminated at 25.00 ft						
3.4	Medium dense, blue coarse granular SLAG --FILL--	2	X	2	14 17 8	NP		3.4							
2.6	Loose, brown coarse SAND --FILL--	3	X	3	2 1 2	NP	18	2.6							
6.1	Stiff to hard, gray SILTY CLAY	4	X	4	4 10 9	1.64 B	9	6.1							
10.6	Hard, gray CLAY	5	X	5	4 4 9	5.66 B	14	10.6							
13.1	Hard, gray SILTY CLAY	6	X	6	3 4 7	5.25 B	16	13.1							
20.0		7	X	7	8 13 14	1.56 B	9	20.0							
25.0		8	X	8	6 9 11	4.50 P	13	25.0							
		9	X	9	7 12 13	5.82 S	12								
		10	X	10	8 16 22	9.43 B	12								

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	05-09-2005	Complete Drilling	05-09-2005	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&R	Logger	Y. Shiu	Time After Drilling	NA		
Checked by	MLS	Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion	Depth to Water	∇	NA	

LEGEND

NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE
ADDENDUM 1	05/27/05
REVISED	05/06/05

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
SOIL BORINGS FOR SIGN STRUCTURE
AT STA. 227+29

S.N. DESIGNED BY: DJR
SCALE: N.T.S. DRAWN BY: DJR
DATE: MARCH 18, 2005 CHECKED BY: JPM

FOR SIGN STRUCTURE AT STA. 334+00

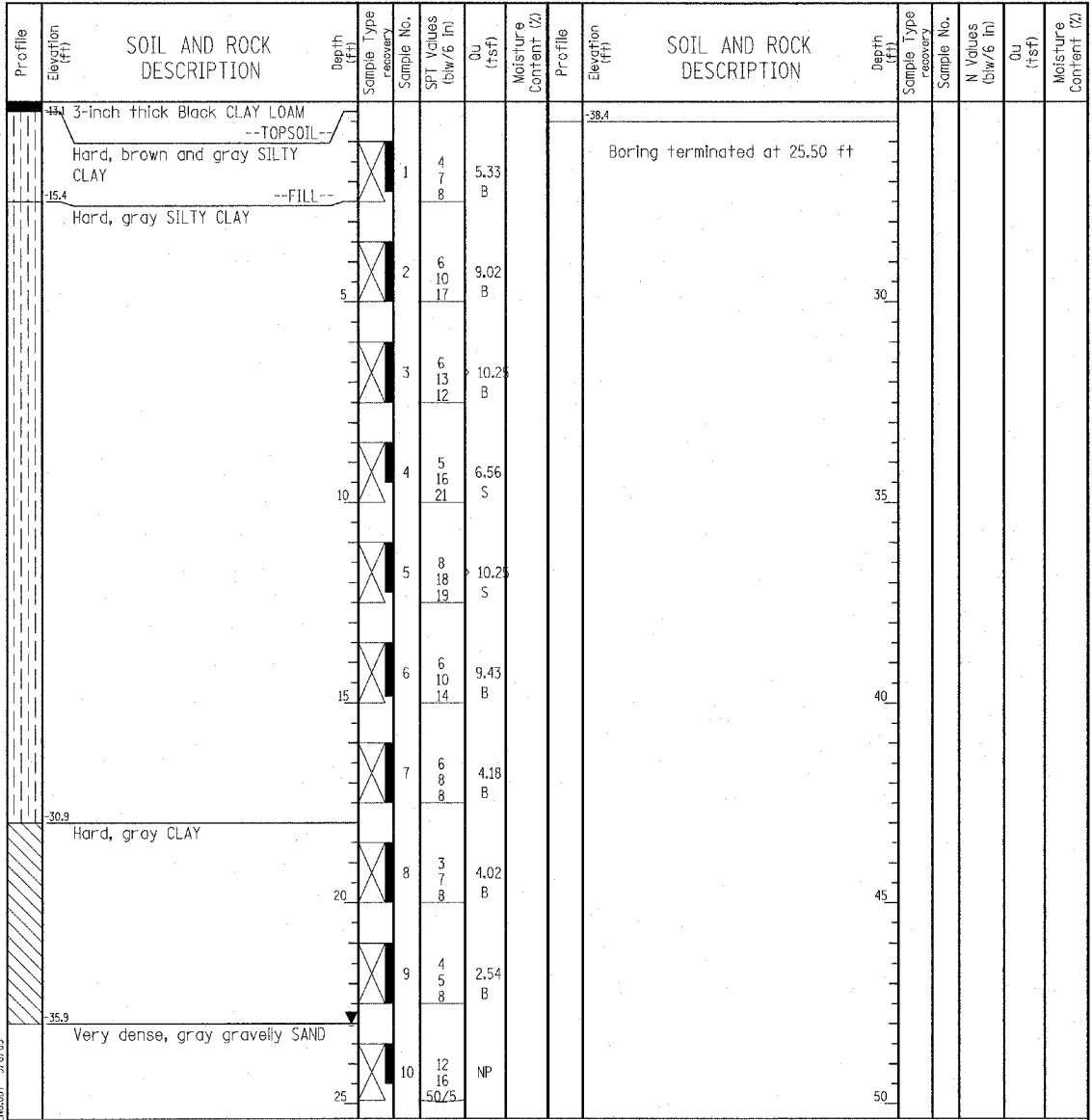
Wang Engineering, INC.
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1145 Main Street
Lombard, IL 60148
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Fax: 630 953-9938

BORING LOG SB SGN 03A

WEI Job No.: 414-07-01

Datum: CCD
Elevation: -12.87 ft
North: 1839875.66 ft
East: 1177430.67 ft
Station: 334+00
Offset: 56' LT

Client: T. Y. LIN International
Project: Dan Ryan Improvements; IDOT No. D-91-421-01
Location: From 95th Street to South of 69th Street



GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	05-05-2005	Complete Drilling	05-05-2005	While Drilling	▽ 23.00 ft
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽ 23.00 ft
Driller	J&R	Logger	Y. Shiu	Time After Drilling	NA
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	▽ NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.					

FOR SIGN STRUCTURE AT STA. 334+00

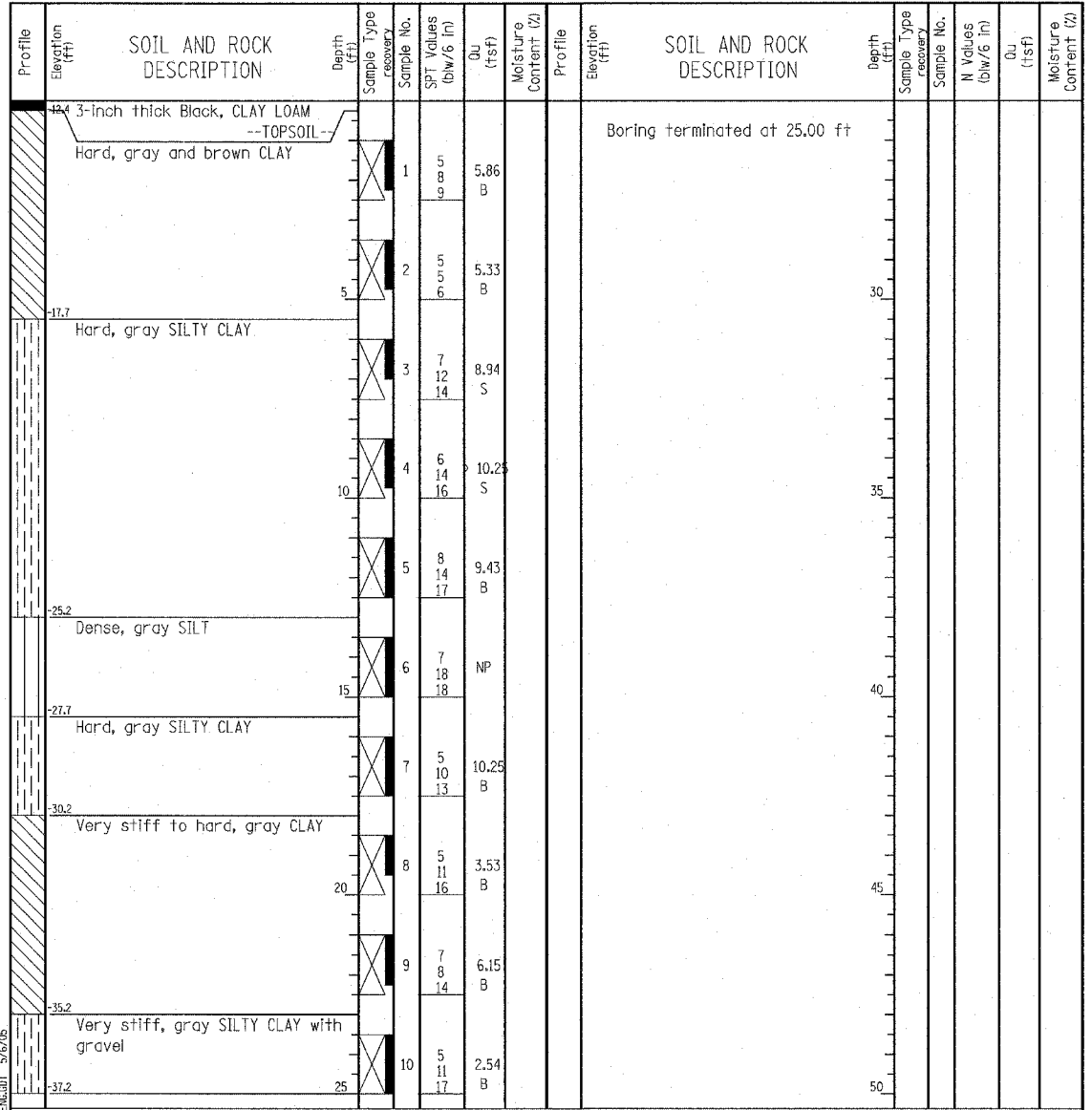
Wang Engineering, INC.
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BORING LOG SB SGN 03B

WEI Job No.: 414-07-01

Datum: CCD
Elevation: -12.15 ft
North: 1839924.61 ft
East: 1177431.68 ft
Station: 334+00
Offset: 29' RT

Client: T. Y. LIN International
Project: Dan Ryan Improvements; IDOT No. D-91-421-01
Location: From 95th Street to South of 69th Street



GENERAL NOTES				WATER LEVEL DATA	
Begin Drilling	05-05-2005	Complete Drilling	05-05-2005	While Drilling	▽ DRY
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	▽ DRY
Driller	J&R	Logger	Y. Shiu	Time After Drilling	NA
Drilling Method	3.25" ID HSA; Boring backfilled with bentonite upon completion			Depth to Water	▽ NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.					

LEGEND

NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE
ADDENDUM 1	05/27/05
REVISED	05/06/05

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

SOIL BORINGS FOR SIGN STRUCTURE AT STA. 334+00

S.N. DESIGNED BY: DJR
SCALE: N.T.S. DRAWN BY: DJR
DATE: MARCH 18, 2005 CHECKED BY: JPM

FOR SIGN STRUCTURE AT STA. 2006+00

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BORING LOG SB SGN 04A Page 1 of 1

WEI Job No.: 414-07-01
Client: T. Y. LIN International
Project: Dan Ryan Improvements; IDOT No. D-91-421-01
Location: From 95th Street to South of 69th Street

Datum: CCD
Elevation: 2.44 ft
North: 1180273.73 ft
East: 1180273.73 ft
Station: 2006+00
Offset: 36' LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
22.6	Very stiff to hard gray, gravelly SILTY								Boring terminated at 25.00 ft						
		3.20		1	136	3.20	18								
		3.53		2	446	3.53	18								
		3.85		3	247	3.85	18								
		2.71		4	357	2.71	16								
		2.19		5	5112	2.19	12								
		4.51		6	468	4.51	13								
		5.58		7	3611	5.58	9								
		8.94		8	41014	8.94	11								
		5.90		9	61225	5.90	11								
		4.50		10	62326	4.50	9								

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-07-2005	Complete Drilling	04-08-2005	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&L	Logger	H. Suhail	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	∇	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

LEGEND

NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

TYLIN INTERNATIONAL

FOR SIGN STRUCTURE AT STA. 2006+00

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BORING LOG SB SGN 04B Page 1 of 1

WEI Job No.: 414-07-01
Client: T. Y. LIN International
Project: Dan Ryan Improvements; IDOT No. D-91-421-01
Location: From 95th Street to South of 69th Street

Datum: CCD
Elevation: 1.69 ft
North: 1839027.97 ft
East: 1180259.83 ft
Station: 2006+00
Offset: 30' RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	N Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
1.0	8-inch thick Black CLAY LOAM --TOPSOIL--								Boring terminated at 25.00 ft						
	Hard, brown and gray CLAY --FILL--			1	111312	5.41	B								
1.3	Hard, gray SILTY CLAY			2	7910	5.33	B								
				3	61111	7.30	B								
				4	61012	4.92	B								
				5	5109	7.05	B								
				6	6811	5.17	B								
15.8	Dense, gray SILT with sand			7	81817	NP									
16.3	Hard, gray SILTY CLAY with silt interbeds			8	81825	9.84	S								
				9	81623	4.92	S								
				10	224553	4.50	P								

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	05-05-2005	Complete Drilling	05-05-2005	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&R	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion			Depth to Water	∇	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							


REVISIONS	
NAME	DATE
ADDENDUM 1	05/27/05
REVISED	05/06/05

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
SOIL BORINGS FOR SIGN STRUCTURE AT STA. 2006+00

S.N. DESIGNED BY: DJR
SCALE: N.T.S. DRAWN BY: DJR
DATE: MARCH 18, 2005 CHECKED BY: JPM

SHEET OF

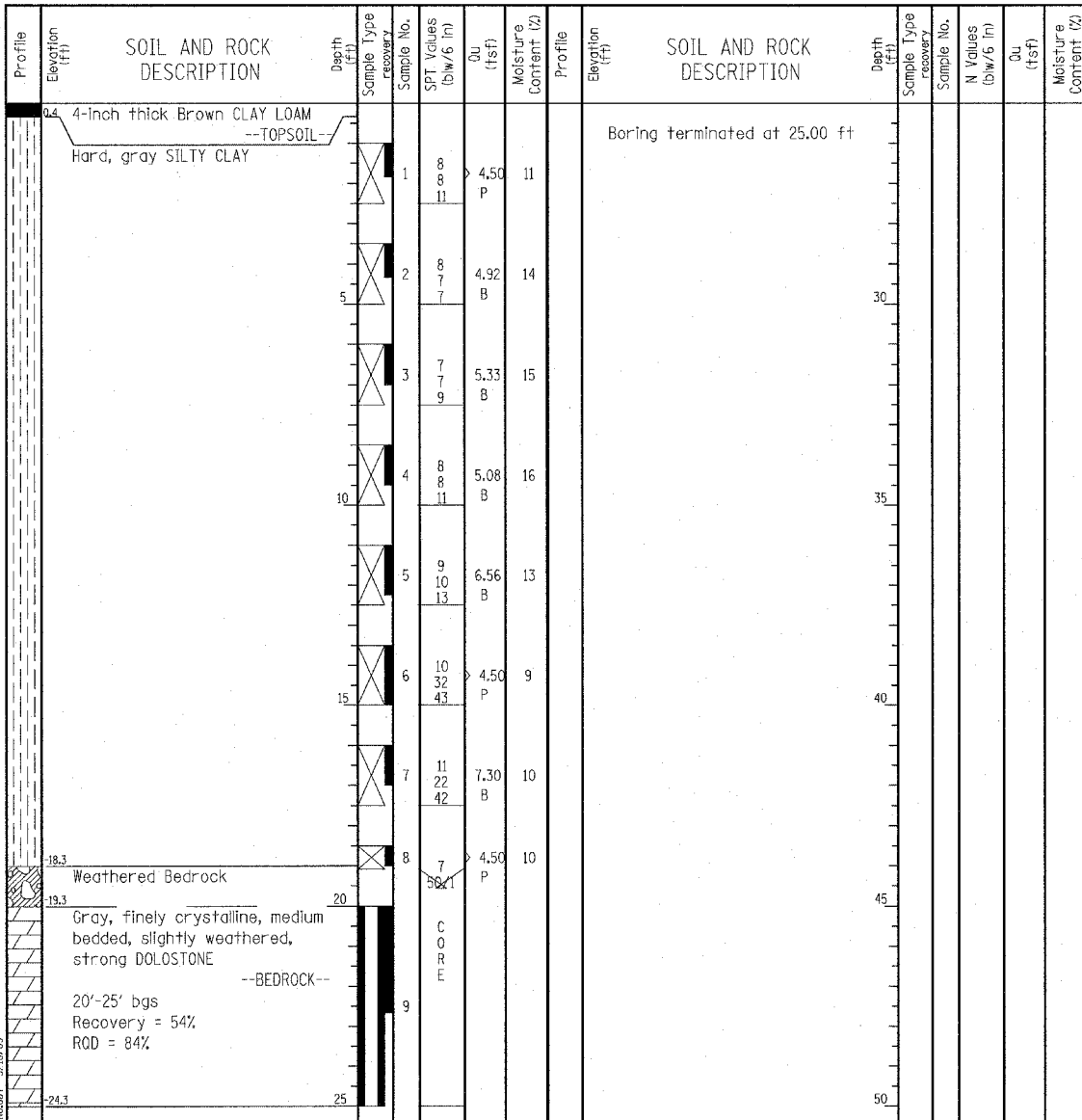
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
94		COOK	860	8520
STA. 2200+00.00 TO STA. 2362+00.00		FED. AID PROJECT		
FED. ROAD DIST. NO.		ILLINOIS		
* (1516.1, 1717 & 1818) R-8		62694		


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BORING LOG JC-61
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: 0.71 ft
 North: 1839388.00 ft
 East: 1173998.19 ft
 Station: 205+18
 Offset: 55' LT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street



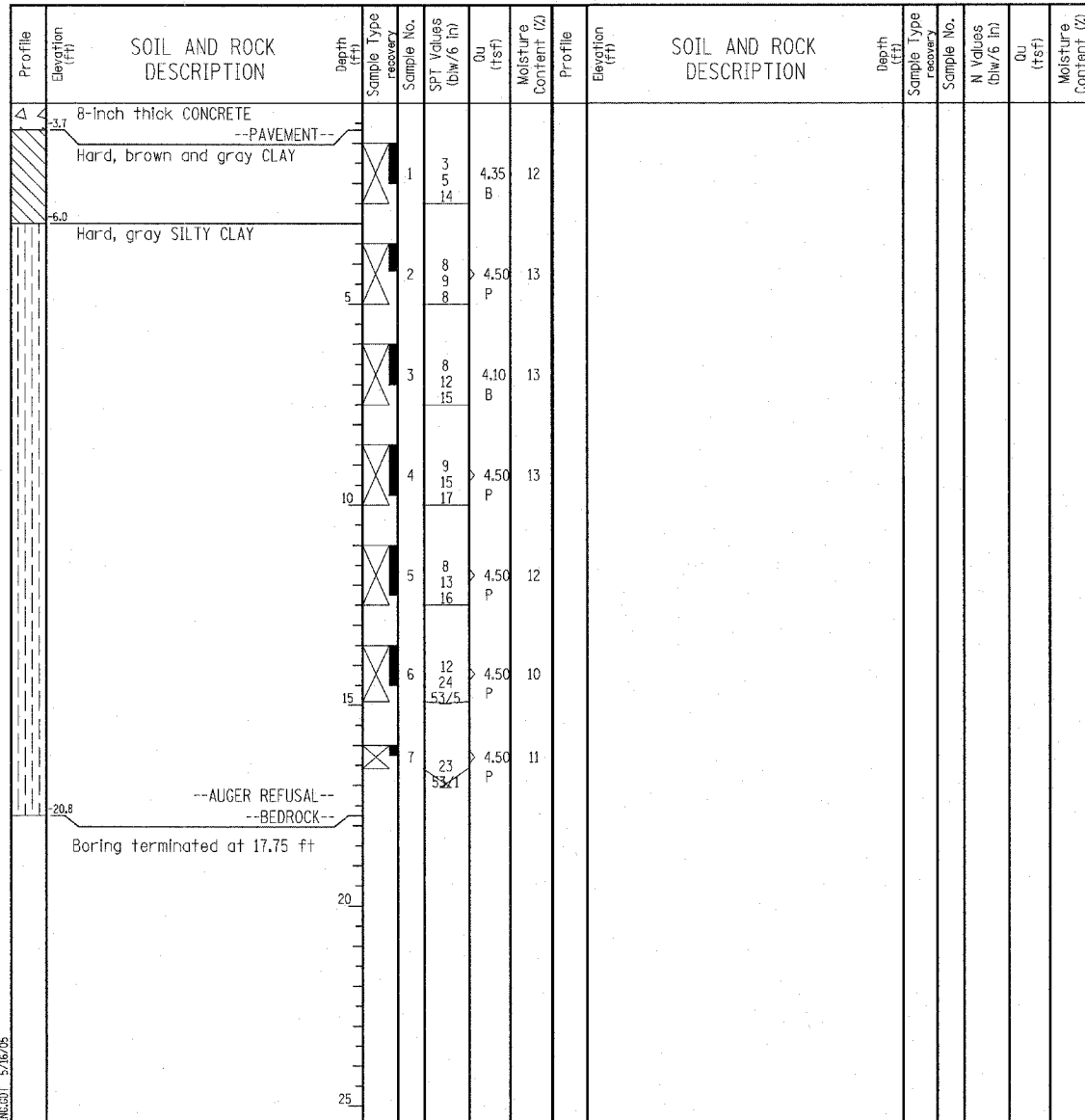
GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	05-09-2005	Complete Drilling	05-09-2005	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&R	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion	Checked by	MLS	Depth to Water	∇	NA	


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BORING LOG JC-62
 WEI Job No.: 414-07-01

Datum: CCD
 Elevation: -3.04 ft
 North: 1839340.72 ft
 East: 1175119.84 ft
 Station: 216+38
 Offset: 20' RT

Client: T. Y. LIN International
 Project: Dan Ryan Improvements; IDOT No. D-91-421-01
 Location: From 95th Street to South of 69th Street



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	05-09-2005	Complete Drilling	05-09-2005	While Drilling	∇	DRY	
Drilling Contractor	Patrick Drilling	Drill Rig	CME 75 TMR	At Completion of Drilling	∇	DRY	
Driller	J&R	Logger	Y. Shiu	Time After Drilling	NA		
Drilling Method	3.25" ID. HSA; Boring backfilled with bentonite upon completion	Checked by	MLS	Depth to Water	∇	NA	

LEGEND

NP	NON-PLASTIC
B	BULGE FAILURE
S	SHEAR FAILURE
P	POCKET PENETROMETER

TYLIN INTERNATIONAL

REVISIONS	
NAME	DATE
ADDENDUM 1	05/27/05
REVISED	05/06/05

SHEET OF

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.I. 94 (DAN RYAN EXPRESSWAY)
SOIL BORINGS FOR JUNCTION CHAMBERS
61 & 62

S.N. DESIGNED BY: DJR
 SCALE: N.T.S. DRAWN BY: DJR
 DATE: MARCH 18, 2005 CHECKED BY: JPM

05/26/2005 08:41:50 AM