

**SUMMARY OF QUANTITIES**

SPECIALTY ITEM	CODE NUMBER	ITEM	UNIT	KANE COUNTY QUANTITY	DUPAGE COUNTY QUANTITY	TOTAL QUANTITY	ROADWAY J000-2A		IMPACT ATTENUATORS SFTY-3N	BRIDGE SN 045-2035 X081-2A	BRIDGE SN 045-2032 X081-2A	SFTY-2A	RAIL PROTECTIVE DEVICES SFTY-5A	CMAQ	ITEP
							IL RTE 25	OTHER ROADS							
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	1,682	352	2,034	53	1,981							
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	1,859	276	2,135	100	2,035							
	20101000	TEMPORARY FENCE	FOOT	800	200	1,000	500	500							
*	20101100	TREE TRUNK PROTECTION	EACH	75	29	104	5	99							
*	20101200	TREE ROOT PRUNING	EACH	32		32		32							
*	20101400	NITROGEN FERTILIZER NUTRIENT	POUND	2,382	216	2,598	1,112	1,486							
*	20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	2,382	216	2,598	1,112	1,486							
*	20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	2,382	216	2,598	1,112	1,486							
	20200100	EARTH EXCAVATION	CU YD	237,067	15,208	252,275	23,785	228,480							
	20200300	EARTH EXCAVATION FOR EROSION CONTROL	CU YD	5,095		5,095	842	4,253							
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1,888	3,032	4,920	180	4,780							
	20201550	SUB-BASE GRANULAR MATERIAL, TYPE B	CU YD	22,260	1,093	23,353	11,088	12,265							
	20700220	POROUS GRANULAR EMBANKMENT	CU YD	3,045		3,045						1,813			1,232
	20700400	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	537		537			213	324					
	20700420	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	1,884	3,001	4,885	180	4,725							
	20800150	TRENCH BACKFILL	CU YD	2,431	78	2,509	1,252	1,257							
*	21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	21,391	4,576	25,967	9,570	16,397							
*	25000350	SEEDING, CLASS 7	ACRE	26	2	28	16	12							
*	25100115	MULCH, METHOD 2	ACRE	66	5	71	29	42							
*	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	5,293	487	5,773	2,471	3,302							
	28000400	PERIMETER EROSION BARRIER	FOOT	30,570	6,206	36,776	14,273	22,503							
	28000500	INLET AND PIPE PROTECTION	EACH	4		4	2	2							
	28000510	INLET FILTERS	EACH	119	9	128	49	79							
	28100105	STONE RIPRAP, CLASS A3	SQ YD	330	24	355	91	264							
	28100107	STONE RIPRAP, CLASS A4	SQ YD	3,771	49	3,820	687	1,755	447	951					
	28200200	FILTER FABRIC	SQ YD	4,101	73	4,174	758	2,018	447	951					
	35101800	AGGREGATE BASE COURSE, TYPE B 6"	SQ YD	8,250		8,250		8,250							
	35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	2,618	293	2,911	1,417	1,494							
	35300410	PORTLAND CEMENT CONCRETE BASE COURSE 9 1/2"	SQ YD		17,974	17,974		17,974							
	40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	3,207	2,494	5,701	1,015	4,686							
	40600300	AGGREGATE (PRIME COAT)	TON	22	1	23	1	22							
	40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	255		255	161	94							
	40600895	CONSTRUCTING TEST STRIP	EACH	2	1	3	1	2							
	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	592		592		592							
	40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	9,905	216	10,121	5,073	5,048							
	40603240	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON		2,265	2,265		2,265							
	40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	1,613	33	1,646		1,577							

△ Revised 6-8-09

• SPECIALTY ITEMS

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FILE NAME =	USER NAME = #USER#	DESIGNED - MAC	REVISED -	<b>KANE COUNTY DIVISION OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILES#		DRAWN - INS	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	KANE/DUPAGE	545	6
PLOT SCALF = 1.0000 / IN.		CHECKED - JNR	REVISED -										CONTRACT NO. 63074
PLOT DATE = 4/27/2009		DATE - 3/31/09	REVISED -										FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT





SPECIALTY ITEM	CODE NUMBER	ITEM	UNIT	KANE COUNTY QUANTITY	DUPAGE COUNTY QUANTITY	TOTAL QUANTITY	ROADWAY J000-2A		IMPACT ATTENUATORS SFTY-3N	BRIDGE SN 045-2035 X081-2A	BRIDGE SN 045-2032 X081-2A	SFTY-2A	RAIL PROTECTIVE DEVICES SFTY-5A	CMAQ	ITEP
							IL RTE 25	OTHER ROADS							
	60624600	CORRUGATED MEDIAN	SQ FT	584	815	1,399	584	815							
	60625600	ISLAND PAVEMENT (6")	SQ YD	283		283	168	115							
	60625900	P.C.C. RAMPED MEDIAN TERMINAL	EACH	9	1	10	4	6							
*	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 8 FOOT POSTS	FOOT	1,859		1,859	675	1,184							
*	63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	2,881		2,881	1,161	1,720							
*	63000025	STEEL PLATE BEAM GUARD RAIL, ATTACHED TO STRUCTURES	FOOT	103		103	37	66							
*	63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	7		7	3	4							
*	63100070	TRAFFIC BARRIER TERMINAL, TYPE 5	EACH	6		6	2	4							
*	63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	7		7	3	4							
*	63100089	TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	3		3	3								
*	63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	9		9	3	6							
*	63100189	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (FLARED)	EACH	5		5	3	2							
	63200310	GUARDRAIL REMOVAL	FOOT	1,113		1,113	682	431							
	63700179	CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)	FOOT	82		82	82								
	63700805	CONCRETE BARRIER TRANSITION	FOOT	30		30	30								
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO			16	8	8							
	67100100	MOBILIZATION	L SUM			1									1
	70101700	TRAFFIC CONTROL AND PROTECTION	L SUM			1									1
	70106800	CHANGEABLE MESSAGE SIGN	CAL MO			64	32	32							
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	1,483	2,567	4,050		4,050							
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1,812		1,812	1,812								
*	72000100	SIGN PANEL - TYPE 1	SQ FT	371		371	371								
*	72000200	SIGN PANEL - TYPE 2	SQ FT	20		20	20								
*	72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	213		213	213								
*	72400320	REMOVE SIGN PANEL - TYPE 2	SQ FT	32		32	32								
*	72500100	OBJECT MARKER - TYPE 1	EACH		2	2		2							
*	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	546		546		546							
*	73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	37		37		37							
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	748	110	858	748	110							
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	10,898	13,699	24,597	10,898	13,699							
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,713	636	2,349	1,713	636							
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	283	325	608	283	325							
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	201		201	201								
*	78005100	EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	183		183		183							
*	78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	10,556		10,556		10,556							
*	78005130	EPOXY PAVEMENT MARKING - LINE 6"	FOOT	626		626		626							

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FILE NAME = #FILES#	USER NAME = #USER#	DESIGNED - MAC	REVISED - Δ ADDENDUM 6/5/09	<b>KANE COUNTY DIVISION OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		DRAWN - INS	REVISED -			361	06-00214-15-BR	KANE/DUPAGE	545	9		
PLOT SCALE = 1:8000 "/ IN.	CHECKED - JNR	REVISED -				CONTRACT NO. 63074						
PLOT DATE = 6/4/2009	DATE - 3/31/09	REVISED -				SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.

SPECIALTY ITEM	CODE NUMBER	ITEM	UNIT	KANE COUNTY QUANTITY	DUPAGE COUNTY QUANTITY	TOTAL QUANTITY	ROADWAY J000-2A		IMPACT ATTENUATORS SFTY-3N	BRIDGE SN 045-2035 X081-2A	BRIDGE SN 045-2032 X081-2A	SFTY-2A	RAIL PROTECTIVE DEVICES SFTY-5A	CMAQ	ITEP
							IL RTE 25	OTHER ROADS							
*	78005140	EPOXY PAVEMENT MARKING - LINE 8"	FOOT	240		240		240							
*	78005150	EPOXY PAVEMENT MARKING - LINE 12"	FOOT	397		397		397							
*	78005180	EPOXY PAVEMENT MARKING - LINE 24"	FOOT	27		27		27							
*	78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS & SYMBOLS	SQ FT	803		803	329	474							
*	78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	7,665		7,665	5,022	2,643							
*	78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	4,223		4,223	1,913	2,310							
*	78008240	POLYUREA PAVEMENT MARKING TYPE I - LINE 8"	FOOT	664		664	306	358							
*	78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	621		621	395	226							
*	78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	279		279	128	151							
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	281		281	281								
*	78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	31		31	31								
*	78200200	BIDIRECTIONAL PRISMATIC BARRIER REFLECTOR	EACH	8		8	8								
*	78200405	GUARDRAIL MARKERS	EACH	154		154	64	90							
*	80400100	ELECTRIC SERVICE INSTALLATION	EACH	3		3	2	1							
*	81000500	CONDUIT IN TRENCH, 1 1/2" DIA., GALVANIZED STEEL	FOOT	23		23	23								
*	81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	3,709		3,709	1,638	136						1,935	
*	81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	151		151	151								
*	81000800	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	257		257	257								
*	81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	140		140	140								
*	81012300	CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	395		395		395							
*	81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	374		374	224							150	
*	81018700	CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL	FOOT	158		158	158								
*	81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	747		747	747								
*	81100600	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT	85		85								85	
*	81200210	CONDUIT EMBEDDED IN STRUCTURE, 1" DIA., PVC	FOOT	540		540	540								
*	81300810	JUNCTION BOX STAINLESS STEEL, ATTACHED TO STRUCTURE, 14" X 12" X 6"	EACH	2		2								2	
*	81400100	HANDHOLE	EACH	24		24	15							9	
*	81400200	HEAVY-DUTY HANDHOLE	EACH	6		6	6								
*	81400300	DOUBLE HANDHOLE	EACH	4		4	4								
*	81700110	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 1/C NO. 10	FOOT	925		925		925							
*	81700125	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 1/C NO. 4	FOOT	150		150		150							
*	81700315	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 3-1/C NO. 10	FOOT	925		925		925							
*	81700345	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 3-1/C NO. 4	FOOT	150		150		150							
*	81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	4,684		4,684	2,354	395						1,935	
*	82107100	UNDERPASS LUMINAIRE, 70 WATT, HIGH PRESSURE SODIUM VAPOR	EACH	20		20		20							
*	82500510	LIGHTING CONTROLLER TYPE CB-RCS 60AMP - 240VOLT	EACH	1		1		1							
*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2		2	2								

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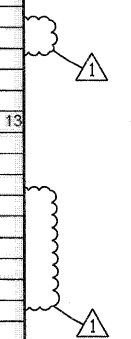
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PLOT SCALE = 1:2000 / 1" IN.	CHECKED - JNR	REVISED -			SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 63074				
PLOT DATE = 4/27/2009	DATE - 3/31/09	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								

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							IL RTE 25	OTHER ROADS							
	X0301899	STORM SEWER JACKED IN PLACE SPECIAL	FOOT	127		127	127								
	X0322033	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	74		74	74								
	X0322089	STORM SEWER (WATER MAIN REQUIREMENTS) 36 INCH	FOOT	253		253	253								
	X0322090	STORM SEWER (WATER MAIN REQUIREMENTS) 42 INCH	FOOT	85		85	85								
	X0322125	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	FOOT	101		101	101								
	X0322671	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	1,610		1,610	644	966							
*	X0322925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	4,697		4,697								4,697	
	X0322936	REMOVE EXISTING FLARED END SECTION	EACH	2		2	2								
*	X0323426	SEDIMENT CONTROL, DRAINAGE STRUCTURE INLET FILTER CLEANING	EACH	119	9	128	49	79							
*	X0323670	PREFORMED DETECTOR LOOP	FOOT	1,846		1,846	1,846								
*	X0323974	SEDIMENT CONTROL, SILT FENCE MAINTENANCE	FOOT	30,570	6,206	36,776	14,273	22,503							
	X0323988	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	148		148				148					
*	X0324045	SEDIMENT CONTROL, STABILIZED CONSTRUCTION ENTRANCE REMOVAL	EACH	5		5	2	3							
*	X0324775	SEDIMENT CONTROL, STABILIZED CONSTRUCTION ENTRANCE MAINTENANCE	SQ YD.	1,608		1,608	643	965							
*	X0325096	OPTIMIZE TRAFFIC SIGNAL SYSTEM	L SUM	1		1								1	
	X0325598	DRAINAGE SCUPPERS, DS-12M10	EACH	6		6				6					
*	X0325714	FLASHING BEACON, POST MOUNTED, SOLAR POWERED INSTALLATION	EACH	2		2	2								
*	X0325737	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1		1	1								
	X0350810	BOLLARD REMOVAL	EACH	21		21	1	20							
	X0326331	CLEANING AND PAINTING BEARINGS	EACH	13		13									13
	X3120050	STABILIZED SUBBASE - HOT-MIX ASPHALT, 4 1/2"	SQ YD.	3,841		3,841	1,939	1,902							
	X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	5		5		5							
	X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	12	1	13	12	1							
	X4023000	TEMPORARY ACCESS (ROAD)	EACH	4		4	4								
	X4067107	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	208		208		208							
	X5020501	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 1	EACH	2		2				2					
	X5020502	UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 2	EACH	2		2				2					
*	X8620020	UNINTERRUPTIBLE POWER SUPPLY	EACH	2		2	2								
*	X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	1,516		1,516	1,516								
*	XX000366	CLAY LINER	CU FT	315,808	40,440	356,248	57,157	299,091							
	XX000610	RELOCATE EXISTING MAILBOX	EACH	5		5		5							
	XX003988	TEMPORARY CONCRETE BARRIER REMOVAL	FOOT	1,290		1,290		1,290							
	XX004801	BITUMINOUS BIKE PATH REMOVAL	SQ YD	1,270		1,270		1,270							
	XX005277	STORM SEWER, PVC SDR 26, 8"	FOOT	50		50	50								
	XX005449	AGGREGATE SUBGRADE 16"	SQ YD		19,300	19,300		19,300							
*	XX005968	TURBIDITY CURTAIN	SQ YD	100		100		100							
*	XX006257	RECESSED REFLECTIVE PAVEMENT MARKER	EACH		290	290		290							
*	XX006701	SEEDING, CLASS 4 (MODIFIED) MESIC PRAIRIE	ACRE	3	4	7	3	4							
*	XX006702	SEEDING, CLASS 4 (MODIFIED) WET TO MESIC PRAIRIE	ACRE	0.08	0.28	0.36	0.08	0.28							
*	XX006706	SEEDING, CLASS 4 (MODIFIED) DETENTION BASIN	ACRE	4.52	0.27	4.79	0.27	4.52							
*	XX006709	SEEDING, CLASS 5 (MODIFIED) MESIC PRAIRIE	ACRE	2.86	4.00	6.86	0.30	6.56							

Revised 6-8-09

FILES

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							IL RTE 25	OTHER ROADS							
*	XX006710	SEEDING, CLASS 5 (MODIFIED) WET TO MESIC PRAIRIE	ACRE	0.08	0.28	0.36	0.20	0.16							
	XX006722	TEMPORARY AGGREGATE BERM-COURSE AGGREGATE	TON	800	248	1,048	375	673							
	XX006723	TEMPORARY AGGREGATE BERM-RIPRAP	TON	1,754	545	2,299	823	1,476							
	X <del>XX006727</del>	TEMPORARY DITCH CHECKS, ROLLED EXCELSIOR	FOOT	862	101	963	299	664							
*	XX006761	JUNCTION BOX EMBEDDED IN STRUCTURE 4" X4" X3"	EACH	20		20		20							
	XX006821	CONCRETE TRUCK WASHOUT	L SUM	1		1	0.5	0.5							
*	XX006937	GROUND ROD, 5/8" X10 FT.	EACH	3		3		3							
	40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	800		800	400	400							
*	Z0007601	BUILDING REMOVAL NO. 1	L SUM	1		1		1							
*	Z0007602	BUILDING REMOVAL NO. 2	L SUM		1	1		1							
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1		1	0.5	0.5							
	Z0018800	DRAINAGE SYSTEM	L SUM	1		1				1					
	Z0019600	DUST CONTROL WATERING	UNIT	896	177	1,073	536.5	536.5							
	Z0022800	FENCE REMOVAL	FOOT	5,161	360	5,521	2,207	3,314							
*	Z0023800	FILLING EXISTING SEPTIC TANK	EACH		1	1		1							
*	XX008007	FILLING EXISTING SEPTIC TANK (SPECIAL)	EACH	1		1		1							
*	Z0023900	FILLING EXISTING WELLS	EACH		1	1		1							
*	XX008008	FILLING EXISTING WELLS (SPECIAL)	EACH	9		9		9							
	Z0029999	IMPACT ATTENUATOR REMOVAL	EACH	2		2		2							
	Z0030150	IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2		2	2								
	Z0030240	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2	EACH	4	3	7		7							
	Z0030340	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 2	EACH	6		6	6								
	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1		1		1							
*	Z0049801	REMOVAL AND DISPOSAL OF FRIABLE ASBESTOS, BUILDING NO. 1	L SUM	1		1		1							
*	Z0049802	REMOVAL AND DISPOSAL OF FRIABLE ASBESTOS, BUILDING NO. 2	L SUM		1	1		1							
*	Z0049901	REMOVAL AND DISPOSAL OF NON-FRIABLE ASBESTOS, BUILDING NO. 1	L SUM	1		1		1							
*	Z0049902	REMOVAL AND DISPOSAL OF NON-FRIABLE ASBESTOS, BUILDING NO. 2	L SUM		1	1		1							
Δ	Z0076660	TRAINEES	HOUR	5,000		5,000									
	XX008001	AGGREGATE PATH, 8"	SQ YD		1,206	1,206		1,206							
	XX005963	ANTI-GRAFFITI COATING	SQ FT	8,638		8,638					5,024				3,614
	XX006490	LETTERING	L SUM	1		1					0.5				0.5
*	87800420	CONCRETE FOUNDATION, TYPE E, 42-INCH DIAMETER	FOOT	100		100	100								
*	XX008002	CONDUIT PUSHED 3" DIA., GALVANIZED STEEL (SPECIAL)	FOOT	140		140								140	
*	XX007878	EROSION CONTROL BLANKET (SPECIAL 1)	SQ YD	20,971		20,971	14,860	6,111							
*	XX007879	EROSION CONTROL BLANKET (SPECIAL 2)	SQ YD	28,486	2,834	31,320	3581	27,739							

Δ Y080

Δ Revised 6-8-09

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PLOT DATE = 4/27/2009		DATE - 3/31/09	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

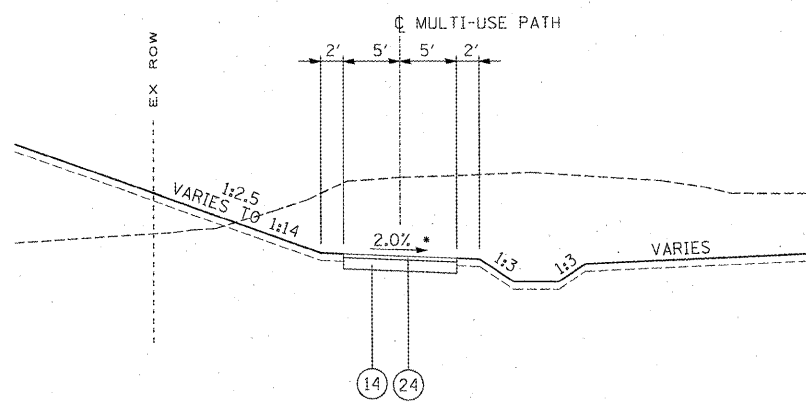
SPECIALTY ITEM	CODE NUMBER	ITEM	UNIT	KANE COUNTY QUANTITY	DUPAGE COUNTY QUANTITY	TOTAL QUANTITY	ROADWAY J000-2A		IMPACT ATTENUATORS SFTY-3N	BRIDGE SN 045-2035 X081-2A	BRIDGE SN 045-2032 X081-2A	SFTY-2A	RAIL PROTECTIVE DEVICES SFTY-5A	CMAQ	ITEP
							IL RTE 25	OTHER ROADS							
*	XX007880	EROSION CONTROL BLANKET (SPECIAL 3)	SQ YD	26,114		26,114	1,223	24,891							
	XX008003	FORM LINER TEXTURED SURFACE (SPECIAL)	SQ FT	7,920	△	7,920	△					4,665	△		3,255
	XX0300062	GRAFFITI REMOVAL	SQ YD	1,091	△	1,091	△					695	△		396
	XX008004	MH TYPE 1 - 6' DIA. W/ RESTRICTOR	EACH	5	1	6	2	4							
*	50901115	STEEL RAILING (SPECIAL)	FOOT	290		290						128			162
	XX008005	REMOVAL AND RELOCATION OF EXISTING PEDESTRIAN BRIDGE	L SUM	1		1									1

△ Revised 6-8-09

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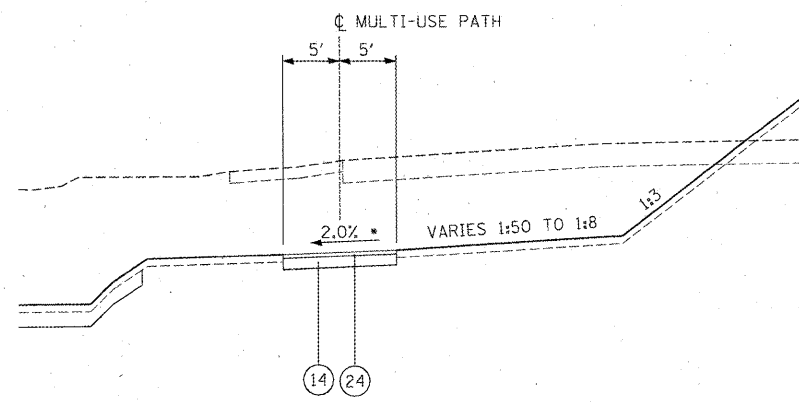
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\$FILES#		DRAWN - INS	REVISED -			361	06-00214-15-BR	KANE/DUPAGE	545	14	
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PLOT DATE = 4/27/2009	DATE - 3/31/09	REVISED -				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
						SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.





**DUNHAM ROAD MULTI-USE PATH**

STA 908+26.80 TO STA 915+49.93  
 • TRANSITION STA 915+19.93 TO STA 915+49.93  
 SEE DETAIL GRADES MULTI-USE PATH FOR  
 STA 916+68.26 TO STA 917+38.78



**STEARNS ROAD MULTI-USE PATH**

STA 605+30 TO STA 607+62.55  
 • TRANSITION STA 607+32.55 TO STA 607+62.55  
 SEE DETAIL GRADES MULTI-USE PATH  
 FOR STA 609+70.79 TO STA 614+68.94



**LEGEND**

- 1 PORTLAND CEMENT CONCRETE PAVEMENT, 10" (JOINTED)
- 2 STABILIZED SUB-BASE, HOT-MIX ASPHALT, 4 1/2"
- 3 SUB-BASE GRANULAR MATERIAL, TYPE B, 12" & VARIES
- 4 COMBINATION CONCRETE CURB AND GUTTER B6.24
- 5 HOT-MIX ASPHALT SHOULDERS, 8" (IN 3 LIFTS)
- 6 EARTH EXCAVATION
- 7 TOPSOIL EXCAVATION AND PLACEMENT
- 8 CLAY LINER, 8"
- 9 PORTLAND CEMENT CONCRETE SHOULDERS, 6"
- 10 LONGITUDINAL CONSTRUCTION JOINT (INCLUDED IN COST OF PORTLAND CEMENT CONCRETE PAVEMENT, 10" JOINTED)
- 11 AGGREGATE SHOULDERS TYPE B, 8"
- 12 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
- 13 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 10 1/2" (IN 5 LIFTS)
- 14 AGGREGATE BASE COURSE TYPE B, 6"
- 15 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- 16 COMPACTED LIMESTONE SCREENINGS (FA 5), 2"
- 17 STEEL PLATE BEAM GUARD RAIL, TYPE A
- 18 NOT USED
- 19 NOT USED
- 20 LEVELING BINDER (MACHINE METHOD), N70 (3/4" MINIMUM)
- 21 COMBINATION CONCRETE CURB AND GUTTER B6.12
- 22 CONCRETE MEDIAN, TYPE SB (SPEC)
- 23 BICYCLE RAILING
- 24 HOT MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2"
- 25 HOT MIX ASPHALT BINDER COURSE, IL-19.0 N50, 6 1/2" (IN 3 LIFTS)
- 26 SAW CUTS
- 27 HOT-MIX ASPHALT SHOULDER, 6" (IN 2 LIFTS)
- 28 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1 1/2"
- 29 POLYMERIZED LEVELING BINDER (MACHINE METHOD) IL-4.75, N50, 1 1/2"
- 30 PORTLAND CEMENT CONCRETE PAVEMENT, 9"
- 31 TIE BARS (INCLUDED IN COST OF COMB CONC CURB & GUTTER AND CONC MEDIAN, TYPE SB (SPEC))

PAID FOR AS  
 16 AGGREGATE  
 PATH, 8"

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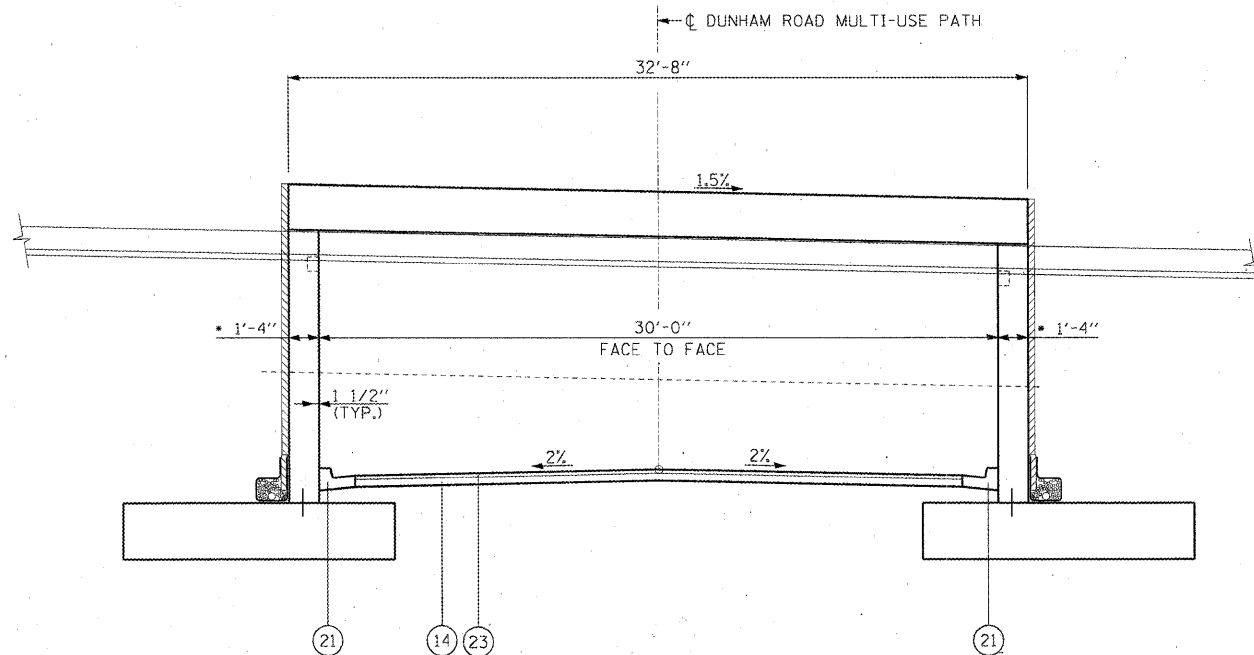
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		DATE - 3/31/09	REVISED -

**KANE COUNTY  
 DIVISION OF TRANSPORTATION**

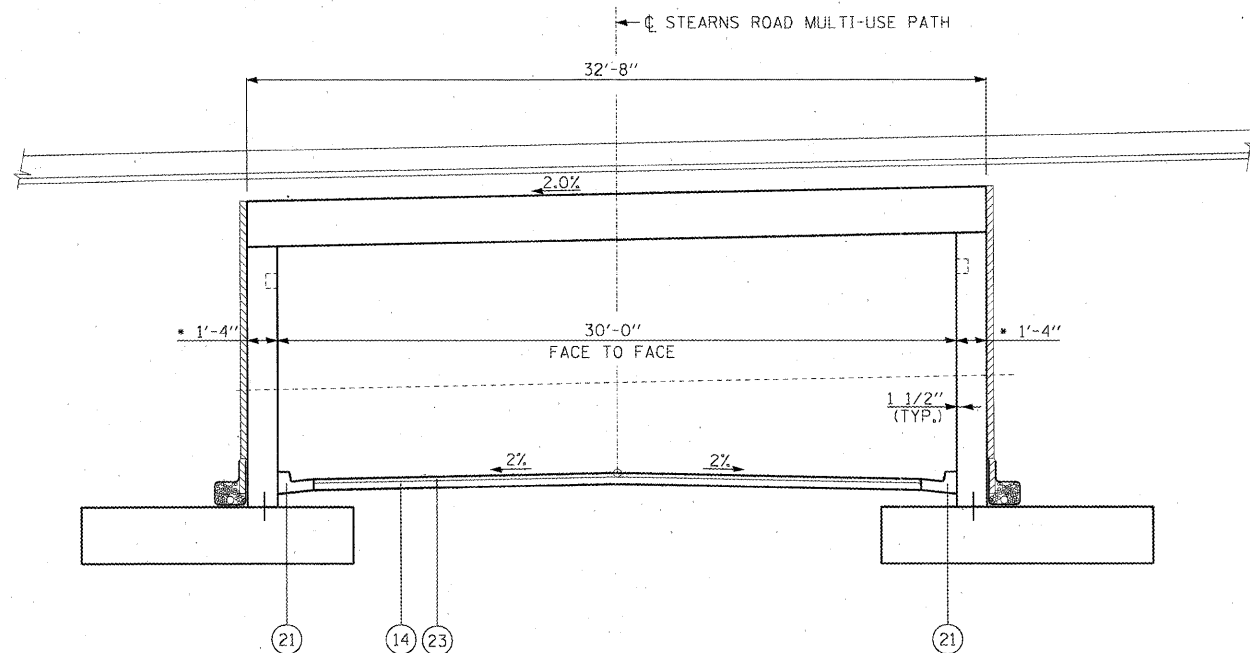
**PROPOSED TYPICAL SECTION  
 MULTI USE PATH**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-15-BR	KANE/DUPAGE	545	34
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63074	



**DUNHAM ROAD MULTI-USE PATH**  
STA 915+49.93 TO STA 916+68.26



**STEARNS ROAD MULTI-USE PATH**  
STA 607+62.55 TO STA 609+70.79

**LEGEND**

- ① PORTLAND CEMENT CONCRETE PAVEMENT, 10" (JOINTED)
- ② STABILIZED SUB-BASE, HOT-MIX ASPHALT, 4 1/2"
- ③ SUB-BASE GRANULAR MATERIAL, TYPE B, 12" & VARIES
- ④ COMBINATION CONCRETE CURB AND GUTTER B6.24
- ⑤ HOT-MIX ASPHALT SHOULDERS, 8" (IN 3 LIFTS)
- ⑥ EARTH EXCAVATION
- ⑦ TOPSOIL EXCAVATION AND PLACEMENT
- ⑧ CLAY LINER, 8"
- ⑨ PORTLAND CEMENT CONCRETE SHOULDERS, 6"
- ⑩ LONGITUDINAL CONSTRUCTION JOINT (INCLUDED IN COST OF PORTLAND CEMENT CONCRETE PAVEMENT, 10" JOINTED)
- ⑪ AGGREGATE SHOULDERS TYPE B, 8"
- ⑫ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
- ⑬ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, 10 1/2" (IN 5 LIFTS)
- ⑭ AGGREGATE BASE COURSE TYPE B, 6"
- ⑮ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- ⑯ COMPACTED LIMESTONE SCREENINGS (FA 5), 2" PAID FOR AS
- ⑰ STEEL PLATE BEAM GUARD RAIL, TYPE A
- ⑱ NOT USED
- ⑲ NOT USED
- ⑳ LEVELING BINDER (MACHINE METHOD), N70 (3/4" MINIMUM)
- ㉑ COMBINATION CONCRETE CURB AND GUTTER B6.12
- ㉒ CONCRETE MEDIAN, TYPE SB (SPEC)
- ㉓ BICYCLE RAILING
- ㉔ HOT MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2"
- ㉕ HOT MIX ASPHALT BINDER COURSE, IL-19.0 N50, 6 1/2" (IN 3 LIFTS)
- ㉖ SAW CUTS
- ㉗ HOT-MIX ASPHALT SHOULDER, 6" (IN 2 LIFTS)
- ㉘ POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1 1/2"
- ㉙ POLYMERIZED LEVELING BINDER (MACHINE METHOD) IL-4.75, N50, 1 1/2"
- ㉚ PORTLAND CEMENT CONCRETE PAVEMENT, 9"
- ㉛ TIE BARS (INCLUDED IN COST OF COMB CONC CURB & GUTTER AND CONC MEDIAN, TYPE SB (SPEC))

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		DATE - 3/31/09	REVISED -

**KANE COUNTY  
DIVISION OF TRANSPORTATION**

**PROPOSED TYPICAL SECTION  
MULTI USE PATH UNDERPASS**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-15-BR	KANE/DUPAGE	545	35
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63074	

**GUARDRAIL**

LOCATION	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	STEEL PLATE BEAM GUARD RAIL, TYPE A, 9 FOOT POSTS	STEEL PLATE BEAM GUARD RAIL ATTACHED TO STRUCTURES	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (FLARED)	TRAFFIC BARRIER TERMINAL TYPE 2	TRAFFIC BARRIER TERMINAL TYPE 5	TRAFFIC BARRIER TERMINAL TYPE 6	TRAFFIC BARRIER TERMINAL TYPE 6B	GUARDRAIL REFLECTORS	BIDIRECTIONAL PRISMATIC BARRIER REFLECTORS	CONCRETE BARRIER, SINGLE FACE, 42 INCH HEIGHT (SPECIAL)	CONCRETE BARRIER TRANSITION	BICYCLE RAILING (NOT INCLUDING RAILING ON STRUCTURE)	PAPAPET RAILING (NOT INCLUDING RAILING ON STRUCTURE)	IMPACT ATTENUATORS (NON REDIRECTIVE), TEST LEVEL 3)
	FOOT	FOOT	FOOT	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	FOOT	FOOT	FOOT	FOOT	EACH
STA. 489+72.64 (RT) IL-25 / STEARNS RD.					1											
STA. 489+72.64 (RT) IL-25 / STEARNS RD. TO STA. 490+87.94 (RT) IL-25 / STEARNS RD.	112.5									3						
STA. 490+87.94 (RT) IL-25 / STEARNS RD.								1		1						
STA. 490+31.94 (RT) IL-25 / STEARNS RD. TO STA. 491+61.02 (RT) IL-25 / STEARNS RD.											3		30			
STA. 491+21.10 (LT) IL-25 / STEARNS RD.																1
STA. 491+21.10 (LT) IL-25 / STEARNS RD. TO STA. 492+03.05 (LT) IL-25 / STEARNS RD.												82			82	
STA. 492+03.05 (LT) IL-25 / STEARNS RD.											5					1
STA. 505+27.65(RT) IL-25 / STEARNS RD.					1											
STA. 505+27.65 (RT) IL-25 / STEARNS RD. TO STA. 506+27.48 (RT) IL-25 / STEARNS RD.	100									3						
STA. 506+27.48 (RT) IL-25 / STEARNS RD.								1		1						
STA. 506+08.98 (LT) IL-25 / STEARNS RD.					1					2						
STA. 506+66.56 (LT) IL-25 / STEARNS RD.									1							
STA. 506+42.83 (LT) IL-25 / STEARNS RD. TO STA. 506+66.66 (LT) IL-25 / STEARNS RD.														14		
STA. 139+12.70 (LT) IL-25 / STEARNS RD.									1	2						
STA. 139+56.14 (LT) IL-25 / STEARNS RD. TO STA. 140+43.17 (LT) IL-25 / STEARNS RD.	87.5									3						
STA. 140+43.17 (LT) IL-25 / STEARNS RD.				1												
STA. 139+43.28 (LT) IL-25 / STEARNS RD.									1	2						
STA. 139+86.43 (LT) IL-25 / STEARNS RD. TO STA. 143+11.43 (LT) IL-25 / STEARNS RD.	325									9						
STA. 143+11.43 (LT) IL-25 / STEARNS RD.				1												
STA. 139+43.28 (LT) IL-25 / STEARNS RD. TO STA. 140+33.47 (LT) IL-25 / STEARNS RD.														91		
STA. 140+86.10 (RT) IL-25 / STEARNS RD. TO STA. 264+68.16 (LT) DUNHAM RD.		1212.5								31						
STA. 264+25.01 (LT) DUNHAM RD.									1							
STA. 249+17.02 (RT) DUNHAM RD.					1											
STA. 249+17.02 (RT) DUNHAM RD. TO STA. 252+79.52 (RT) DUNHAM RD.	362.5									10						
STA. 252+79.52 (RT) DUNHAM RD.					1					2						
STA. 251+01.24(RT) DUNHAM RD. TO STA. 253+09.81 (RT) DUNHAM RD.														209		
STA. 253+91.17 (LT) DUNHAM RD.				1												
STA. 253+91.17 (LT) DUNHAM RD. TO STA. 262+03.67 (LT) DUNHAM RD.		812.5								0						
STA. 262+18.34 (LT) DUNHAM RD.								1		1						
STA. 259+86.65 (RT) DUNHAM RD.				1												
STA. 259+86.65 (RT) DUNHAM RD. TO STA. 261+24.08 (RT) DUNHAM RD.	137.5									4						
STA. 261+67.23 (RT) DUNHAM RD.								1		2						
STA. 260+76.01 (RT) DUNHAM RD.				1												
STA. 260+76.01 (RT) DUNHAM RD. TO STA. 261+13.51 (RT) DUNHAM RD.	37.5									2						
STA. 261+56.73 (RT) DUNHAM RD.								1		1						
STA. 261+92.86 (LT) DUNHAM RD.						1										
STA. 262+07.53 (LT) DUNHAM RD.									1							
STA. 263+63.47 (RT) DUNHAM RD.										1						
STA. 263+78.14 (RT) DUNHAM RD.									1							
STA. 263+74.22 (RT) DUNHAM RD.										1						
STA. 263+88.89 (RT) DUNHAM RD.									1							
STA. 264+14.52 (LT) DUNHAM RD.									1	2						
STA. 264+57.66 (LT) DUNHAM RD. TO STA. 265+95.17 (LT) DUNHAM RD.	137.5									4						
STA. 265+95.17(LT) DUNHAM RD.				1												

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M.O.T. TEMPORARY PAVEMENT			
STAGE AND LOCATION	SUB-BASE GRANULAR MATERIAL, TYPE B (12")	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (10")	AGGREGATE SHOULDERS, TYPE B 8"
	CU YD	TON	SQ YD
<b>STAGE 1A</b>			
<b>STEARNS RD.</b>			
170+50 TO 179+00	462	777	378
<b>STAGE 2A</b>			
<b>IL 25/STEARNS RD.</b>			
502+00 TO 505+00	229	385	133
<b>IL 25</b>			
280+00 TO 281+00	64	107	44
282+00 TO 289+00	360	605	311
<b>STEARNS RD.</b>			
168+50 TO 171+00	128	216	0
<b>EX. DUNHAM RD.</b>			
410+00 TO 416+00	270	453	267
416+00 TO 417+50	55	92	0
<b>TOTAL</b>	<b>1,568</b>	<b>2,634</b>	<b>1,133</b>

M.O.T. TEMPORARY CONCRETE BARRIER		
STAGE AND LOCATION	TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER
	FOOT	FOOT
<b>STAGE 1A</b>		
<b>DUNHAM RD.</b>		
415+80 TO 420+25	545	
425+00 TO 427+65	265	
427+89 TO 432+80	493	
434+20 TO 436+00	180	
<b>STEARNS RD.</b>		
168+00 TO 185+63	1,763	
186+72 TO 194+76	804	
<b>STAGE 2A</b>		
<b>STEARNS RD.</b>		
1223+00 TO 1229+00		600
<b>STAGE 2B</b>		
<b>DUNHAM RD.</b>		
274+40 TO 279+00		460
<b>STEARNS RD.</b>		
501+00 TO 139+41		752
<b>TOTAL</b>	<b>4,050</b>	<b>1,812</b>

M.O.T. TEMPORARY IMPACT ATTENUATORS		
STAGE AND LOCATION	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 2
	EACH	EACH
<b>STAGE 1A</b>		
<b>DUNHAM RD.</b>		
428+00	4	
FROM 415+00 TO 420+25		1
FROM 434+20 TO 425+00		1
<b>STEARNS RD.</b>		
185+68	1	
186+72	1	
194+76	1	
<b>STAGE 2A</b>		
<b>STEARNS RD.</b>		
1223+00		1
<b>STAGE 2B</b>		
<b>DUNHAM RD.</b>		
274+00		1
279+00		1
<b>STEARNS RD.</b>		
501+50		1
<b>TOTAL</b>	<b>7</b>	<b>6</b>

TEMPORARY ACCESS	
TYPE	TOTAL
	EACH
X4021000 - TEMPORARY ACCESS (PRIVATE ENTRANCE)	5
X4022000 - TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	13
X4023000 - TEMPORARY ACCESS (ROAD)	4

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		CHECKED - JNR	REVISED -
		DATE - 3/31/09	REVISED -

**KANE COUNTY  
DIVISION OF TRANSPORTATION**

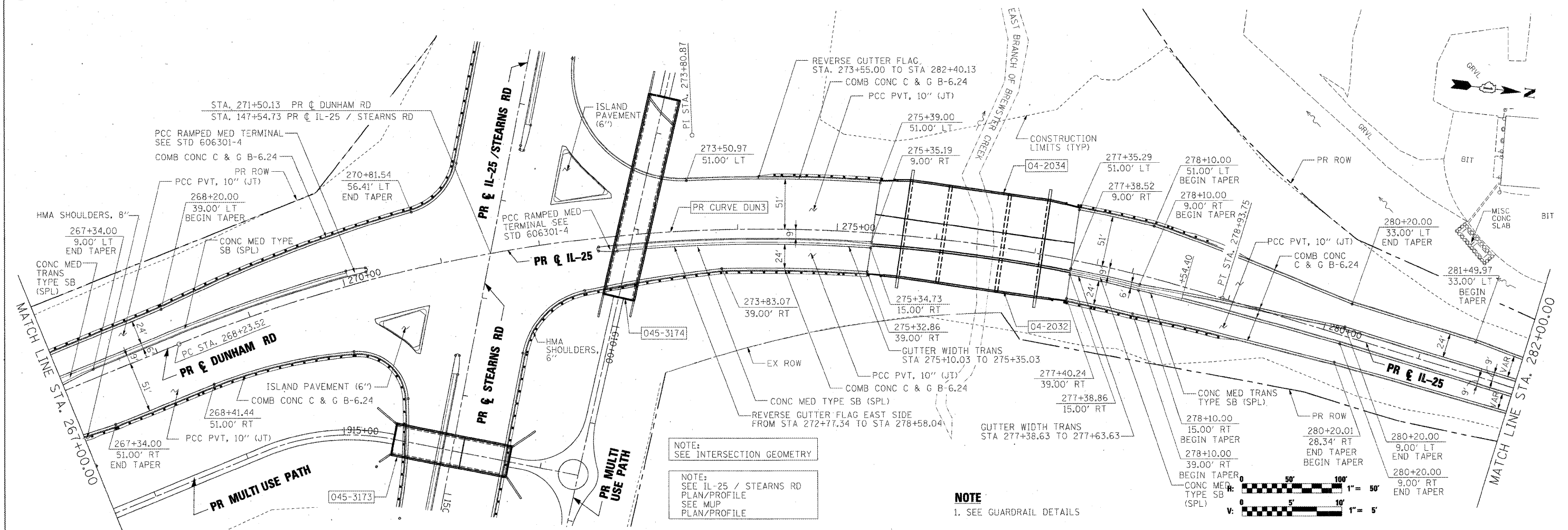
**SCHEDULE OF QUANTITIES**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-15-BR	KANE/DUPAGE	545	43
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63074	

PLAN	SURVEYED	DATE
	ALIGNED	
	CHECKED	
	BY	
	NO.	
	RT. OF WAY	
	CHECKED	
	NO.	
	DATE	

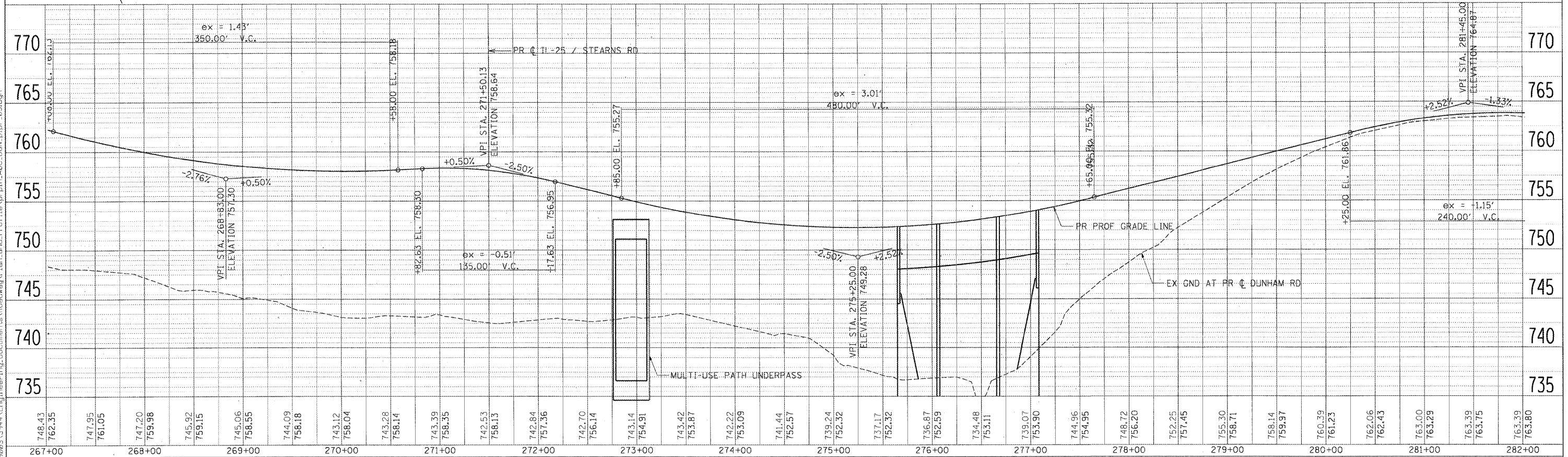
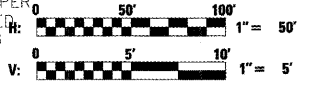
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	ALIGNED	
	CHECKED	
	BY	
	NO.	
	RT. OF WAY	
	CHECKED	
	NO.	
	DATE	



NOTE:  
SEE INTERSECTION GEOMETRY

NOTE:  
SEE IL-25 / STEARNS RD  
PLAN/PROFILE  
SEE MUP  
PLAN/PROFILE

NOTE:  
1. SEE GUARDRAIL DETAILS



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		DATE - 3/31/09	REVISED -	FED. ROAD DIST. NO.				
				ILLINOIS FED. AID PROJECT				

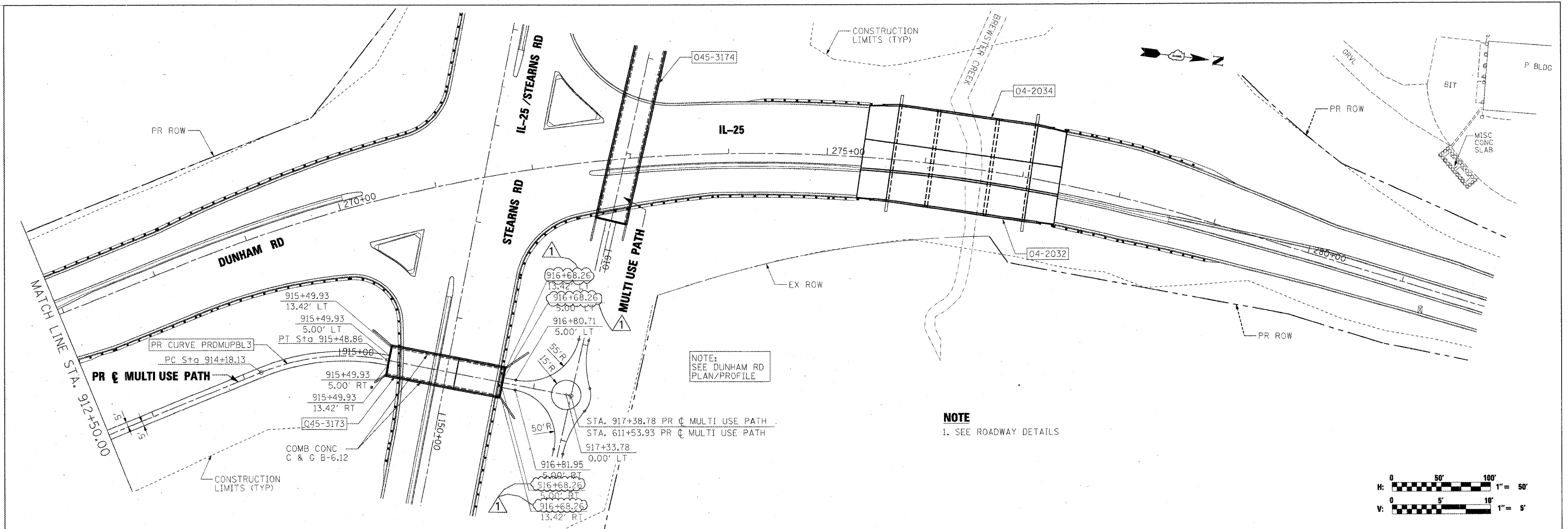
**KANE COUNTY  
DIVISION OF TRANSPORTATION**

**PLAN AND PROFILE  
DUNHAM ROAD / IL 25**

SCALE: SHEET NO. OF SHEETS STA. 267+00.00 TO STA. 282+00.00

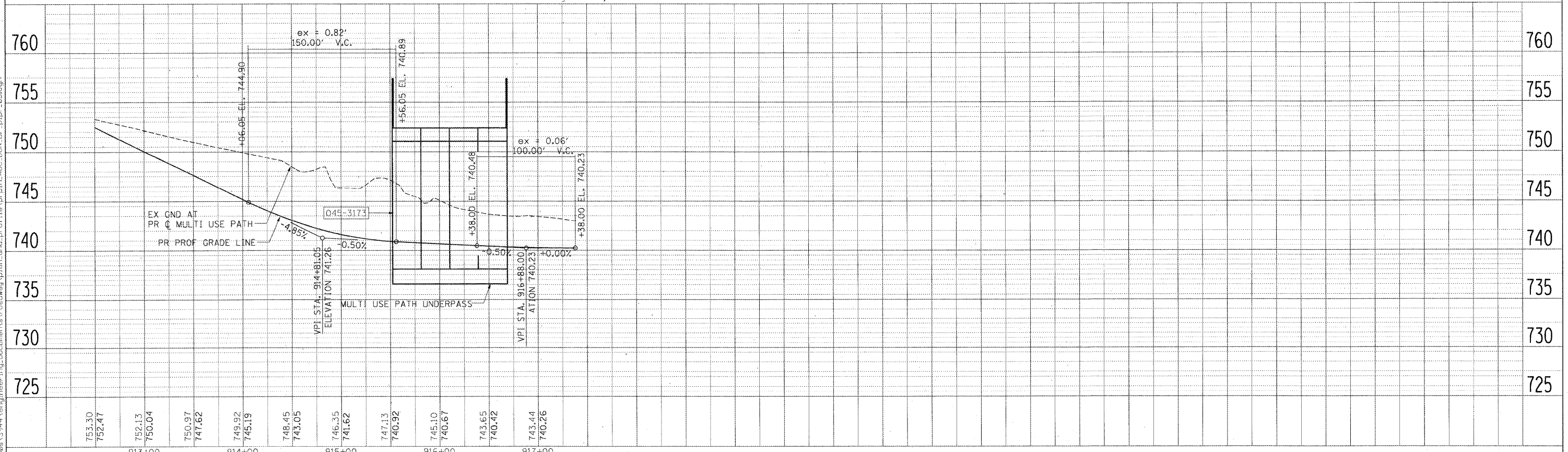
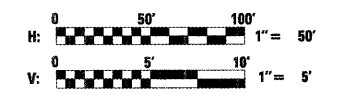
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	BY	
	NO.	
	FILE NAME	

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	NOTED	
	CHECKED	
	BY	
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	FILE NAME	



NOTE:  
SEE DUNHAM RD  
PLAN/PROFILE

NOTE  
1. SEE ROADWAY DETAILS



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#FILES#		DRAWN - NMM	REVISED -
		CHECKED - JNR	REVISED -
		DATE - 3/31/09	REVISED -

**KANE COUNTY  
DIVISION OF TRANSPORTATION**

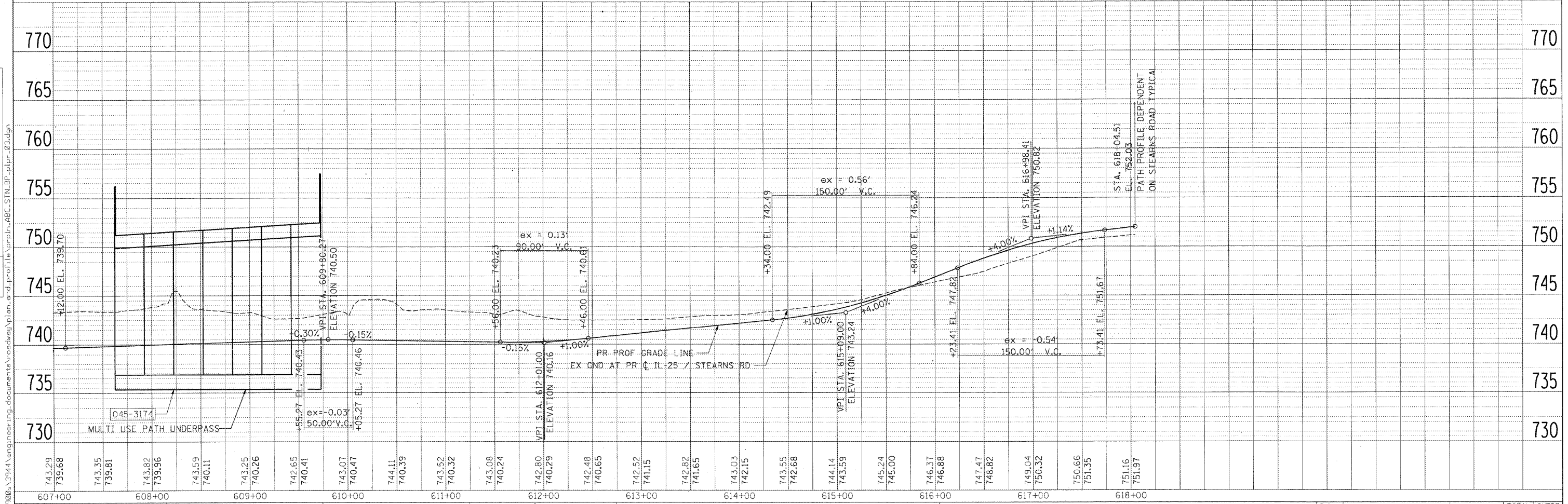
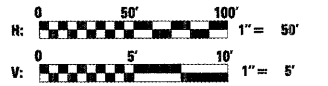
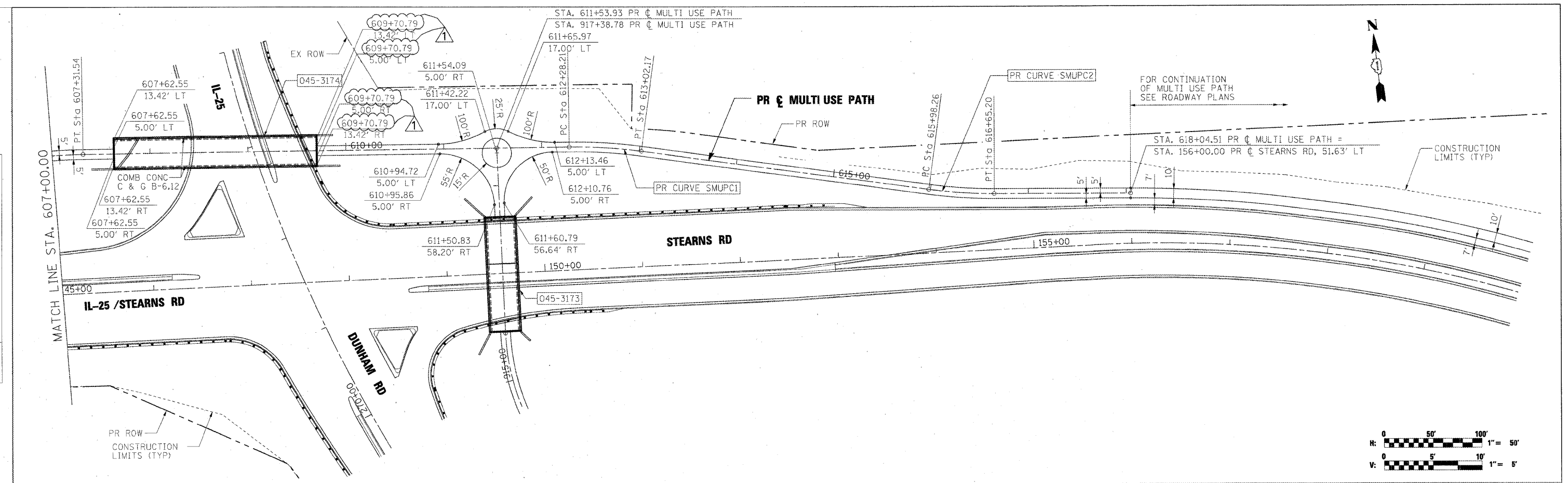
**MULTI USE PATH  
PLAN AND PROFILE  
DUNHAM ROAD / IL 25**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-15-BR	KANE/DUPAGE	545	71
CONTRACT NO. 63074				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SCALE: SHEET NO. OF SHEETS STA. TO STA.

PLAN	SURVEYED	DATE
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PROFILE	SURVEYED	DATE
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FILE NAME	USER NAME = *USER*	DESIGNED - JRM	REVISED - ADDENDUM 6/5/09	<b>KANE COUNTY</b> <b>DIVISION OF TRANSPORTATION</b>	<b>MULTI USE PATH</b> <b>PLAN AND PROFILE</b> <b>IL 25 / STEARNS ROAD</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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		CHECKED - JNR	REVISED			CONTRACT NO. 63074					
		DATE - 3/31/09	REVISED			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

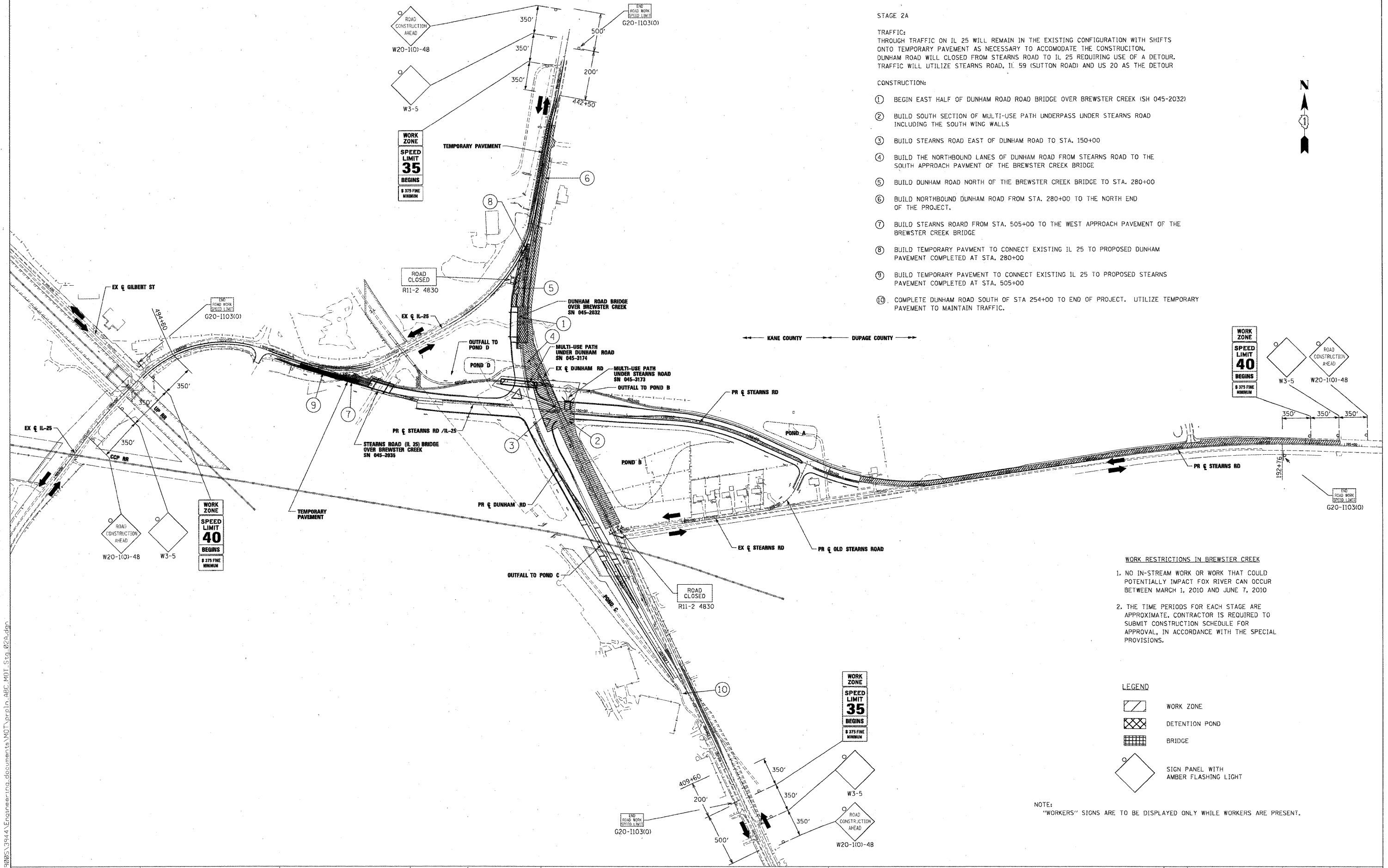
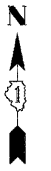


STAGE 2A

TRAFFIC:  
 THROUGH TRAFFIC ON IL 25 WILL REMAIN IN THE EXISTING CONFIGURATION WITH SHIFTS ONTO TEMPORARY PAVEMENT AS NECESSARY TO ACCOMMODATE THE CONSTRUCTION. DUNHAM ROAD WILL BE CLOSED FROM STEARNS ROAD TO IL 25 REQUIRING USE OF A DETOUR. TRAFFIC WILL UTILIZE STEARNS ROAD, IL 59 (SUTTON ROAD) AND US 20 AS THE DETOUR.

CONSTRUCTION:

- ① BEGIN EAST HALF OF DUNHAM ROAD ROAD BRIDGE OVER BREWSTER CREEK (SH 045-2032)
- ② BUILD SOUTH SECTION OF MULTI-USE PATH UNDERPASS UNDER STEARNS ROAD INCLUDING THE SOUTH WING WALLS
- ③ BUILD STEARNS ROAD EAST OF DUNHAM ROAD TO STA. 150+00
- ④ BUILD THE NORTHBOUND LANES OF DUNHAM ROAD FROM STEARNS ROAD TO THE SOUTH APPROACH PAVEMENT OF THE BREWSTER CREEK BRIDGE
- ⑤ BUILD DUNHAM ROAD NORTH OF THE BREWSTER CREEK BRIDGE TO STA. 280+00
- ⑥ BUILD NORTHBOUND DUNHAM ROAD FROM STA. 280+00 TO THE NORTH END OF THE PROJECT.
- ⑦ BUILD STEARNS ROAD FROM STA. 505+00 TO THE WEST APPROACH PAVEMENT OF THE BREWSTER CREEK BRIDGE
- ⑧ BUILD TEMPORARY PAVEMENT TO CONNECT EXISTING IL 25 TO PROPOSED DUNHAM PAVEMENT COMPLETED AT STA. 280+00
- ⑨ BUILD TEMPORARY PAVEMENT TO CONNECT EXISTING IL 25 TO PROPOSED STEARNS PAVEMENT COMPLETED AT STA. 505+00
- ⑩ COMPLETE DUNHAM ROAD SOUTH OF STA 254+00 TO END OF PROJECT. UTILIZE TEMPORARY PAVEMENT TO MAINTAIN TRAFFIC.



**WORK RESTRICTIONS IN BREWSTER CREEK**

1. NO IN-STREAM WORK OR WORK THAT COULD POTENTIALLY IMPACT FOX RIVER CAN OCCUR BETWEEN MARCH 1, 2010 AND JUNE 7, 2010
2. THE TIME PERIODS FOR EACH STAGE ARE APPROXIMATE. CONTRACTOR IS REQUIRED TO SUBMIT CONSTRUCTION SCHEDULE FOR APPROVAL, IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

**LEGEND**

	WORK ZONE
	DETENTION POND
	BRIDGE
	SIGN PANEL WITH AMBER FLASHING LIGHT

NOTE:  
 "WORKERS" SIGNS ARE TO BE DISPLAYED ONLY WHILE WORKERS ARE PRESENT.

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**KANE COUNTY  
 DIVISION OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC  
 SEQUENCE OF CONSTRUCTION  
 STAGE 2A**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-15-BR	KANE/DUPAGE	545	87
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63074	

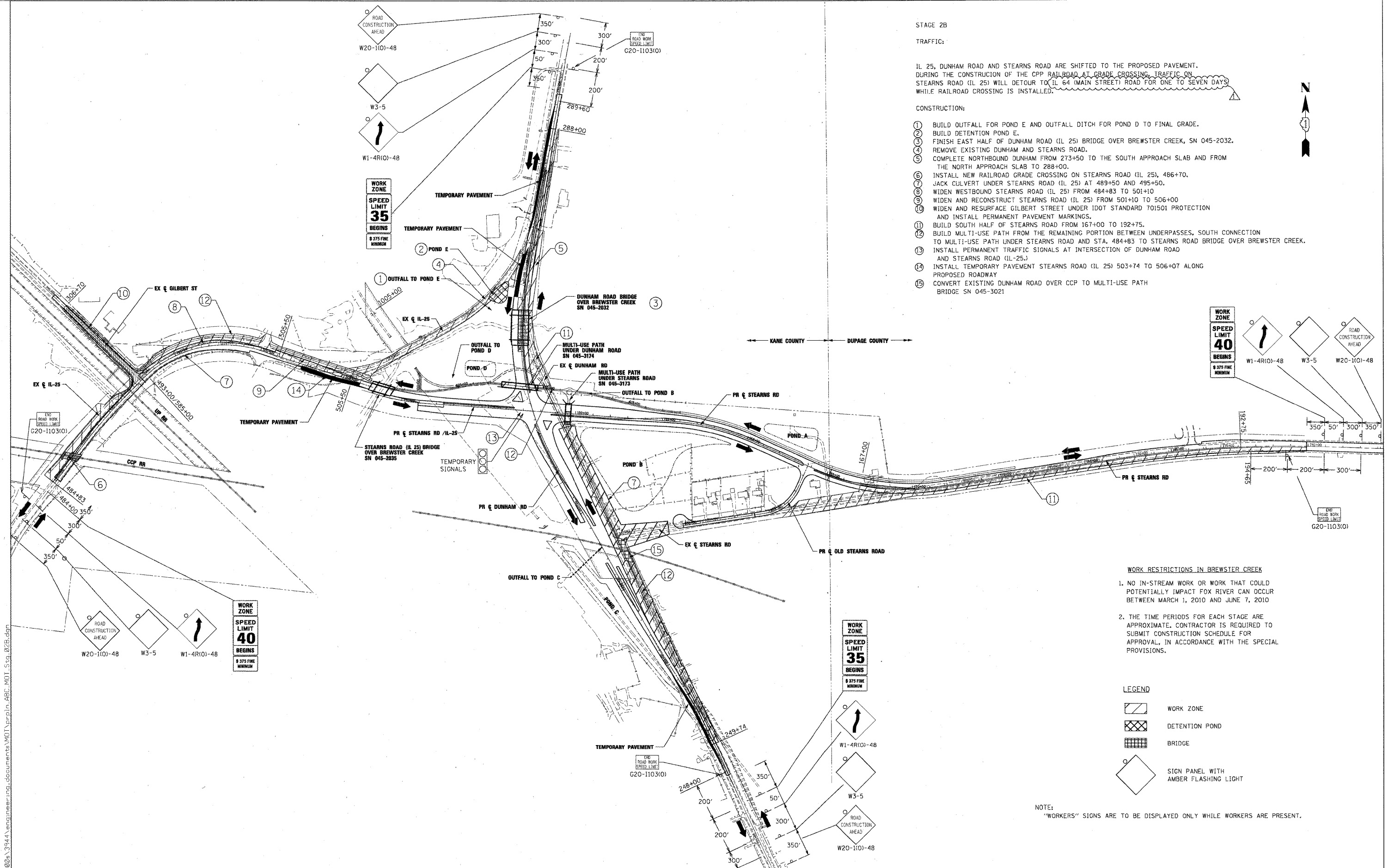
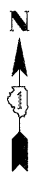
STAGE 2B

TRAFFIC:

IL 25, DUNHAM ROAD AND STEARNS ROAD ARE SHIFTED TO THE PROPOSED PAVEMENT. DURING THE CONSTRUCTION OF THE CPP RAILROAD AT GRADE CROSSING, TRAFFIC ON STEARNS ROAD (IL 25) WILL DETOUR TO IL 64 (MAIN STREET) ROAD FOR ONE TO SEVEN DAYS WHILE RAILROAD CROSSING IS INSTALLED.

CONSTRUCTION:

- 1 BUILD OUTFALL FOR POND E AND OUTFALL DITCH FOR POND D TO FINAL GRADE.
- 2 BUILD DETENTION POND E.
- 3 FINISH EAST HALF OF DUNHAM ROAD (IL 25) BRIDGE OVER BREWSTER CREEK, SN 045-2032.
- 4 REMOVE EXISTING DUNHAM AND STEARNS ROAD.
- 5 COMPLETE NORTHBOUND DUNHAM FROM 273+50 TO THE SOUTH APPROACH SLAB AND FROM THE NORTH APPROACH SLAB TO 288+00.
- 6 INSTALL NEW RAILROAD GRADE CROSSING ON STEARNS ROAD (IL 25), 486+70.
- 7 JACK CULVERT UNDER STEARNS ROAD (IL 25) AT 489+50 AND 495+50.
- 8 WIDEN WESTBOUND STEARNS ROAD (IL 25) FROM 484+83 TO 501+10.
- 9 WIDEN AND RECONSTRUCT STEARNS ROAD (IL 25) FROM 501+10 TO 506+00.
- 10 WIDEN AND RESURFACE GILBERT STREET UNDER IDOT STANDARD 701501 PROTECTION AND INSTALL PERMANENT PAVEMENT MARKINGS.
- 11 BUILD SOUTH HALF OF STEARNS ROAD FROM 167+00 TO 192+75.
- 12 BUILD MULTI-USE PATH FROM THE REMAINING PORTION BETWEEN UNDERPASSES, SOUTH CONNECTION TO MULTI-USE PATH UNDER STEARNS ROAD AND STA. 484+83 TO STEARNS ROAD BRIDGE OVER BREWSTER CREEK.
- 13 INSTALL PERMANENT TRAFFIC SIGNALS AT INTERSECTION OF DUNHAM ROAD AND STEARNS ROAD (IL-25).
- 14 INSTALL TEMPORARY PAVEMENT STEARNS ROAD (IL 25) 503+74 TO 506+07 ALONG PROPOSED ROADWAY.
- 15 CONVERT EXISTING DUNHAM ROAD OVER CCP TO MULTI-USE PATH BRIDGE SN 045-3021



**WORK RESTRICTIONS IN BREWSTER CREEK**

1. NO IN-STREAM WORK OR WORK THAT COULD POTENTIALLY IMPACT FOX RIVER CAN OCCUR BETWEEN MARCH 1, 2010 AND JUNE 7, 2010
2. THE TIME PERIODS FOR EACH STAGE ARE APPROXIMATE. CONTRACTOR IS REQUIRED TO SUBMIT CONSTRUCTION SCHEDULE FOR APPROVAL, IN ACCORDANCE WITH THE SPECIAL PROVISIONS.

- LEGEND**
- WORK ZONE
  - DETENTION POND
  - BRIDGE
  - SIGN PANEL WITH AMBER FLASHING LIGHT

NOTE:  
"WORKERS" SIGNS ARE TO BE DISPLAYED ONLY WHILE WORKERS ARE PRESENT.

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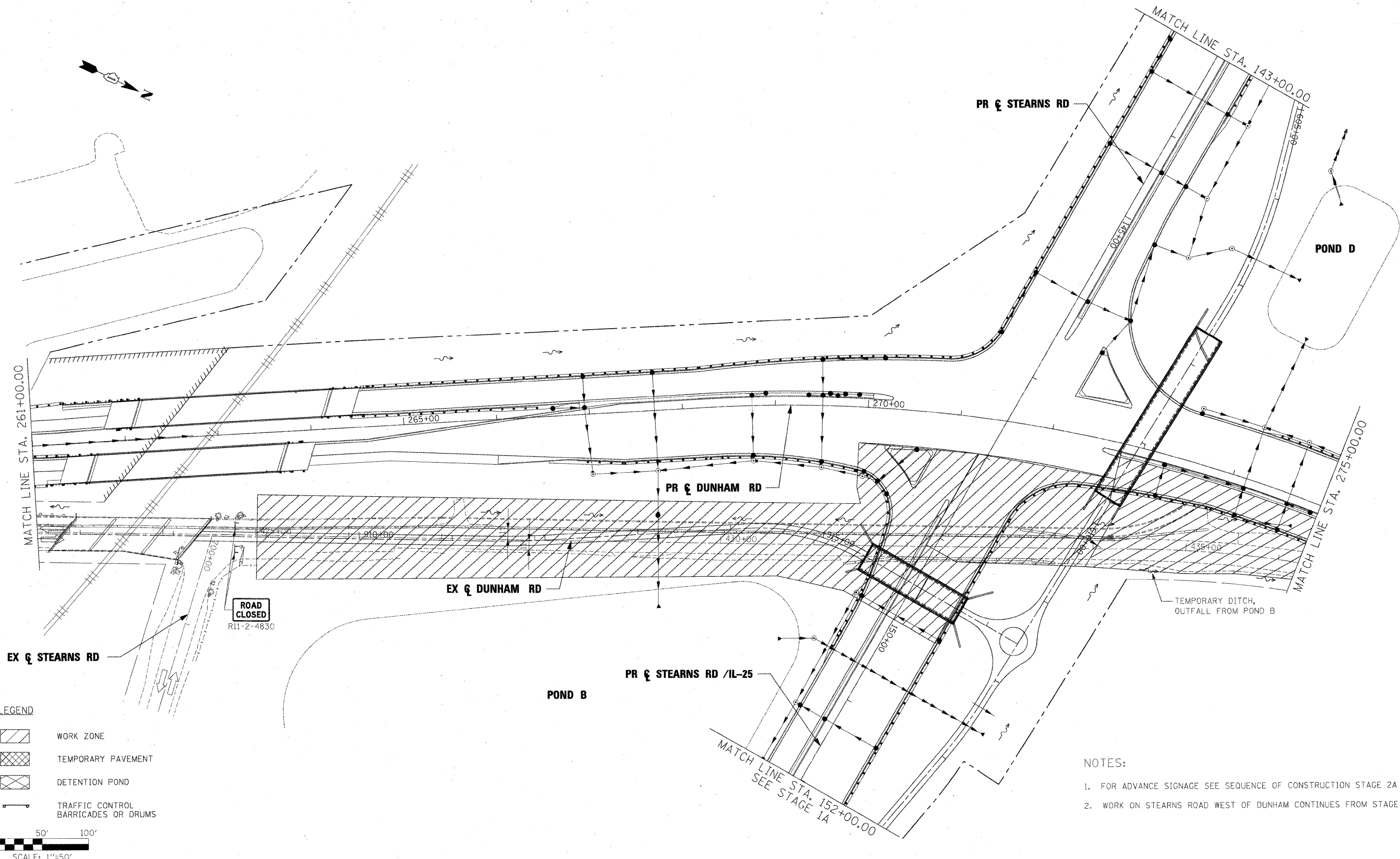
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**KANE COUNTY  
DIVISION OF TRANSPORTATION**

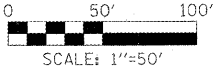
**MAINTENANCE OF TRAFFIC  
SEQUENCE OF CONSTRUCTION  
STAGE 2B**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-15-BR	KANE/DUPAGE	545	88
CONTRACT NO. 63074				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



- LEGEND**
- WORK ZONE
  - TEMPORARY PAVEMENT
  - DETENTION POND
  - TRAFFIC CONTROL BARRICADES OR DRUMS



- NOTES:**
1. FOR ADVANCE SIGNAGE SEE SEQUENCE OF CONSTRUCTION STAGE 2A
  2. WORK ON STEARNS ROAD WEST OF DUNHAM CONTINUES FROM STAGE 1A

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









**KANE COUNTY  
DIVISION OF TRANSPORTATION**

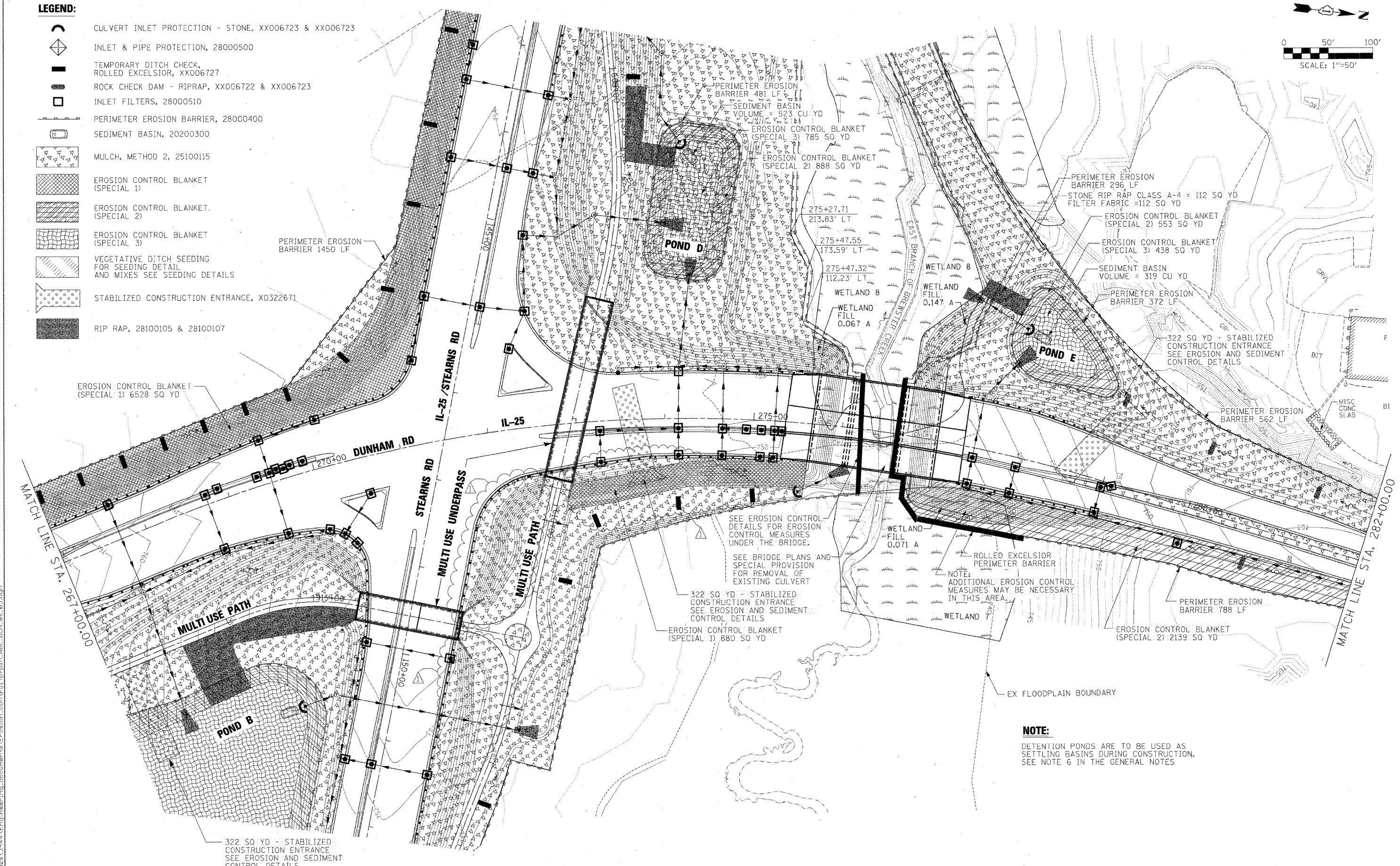
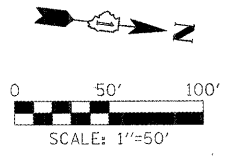
**MAINTENANCE OF TRAFFIC  
DUNHAM ROAD  
STAGE 2A**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE. 361	SECTION 06-00214-15-BR	COUNTY KANE/DUPAGE	TOTAL SHEETS 545	SHEET NO. 104
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 63074				

**LEGEND:**

-  CULVERT INLET PROTECTION - STONE, XX006723 & XX006723
-  INLET & PIPE PROTECTION, 28000500
-  TEMPORARY DITCH CHECK, ROLLED EXCELSIOR, XX006727
-  ROCK CHECK DAM - RIPRAP, XX006722 & XX006723
-  INLET FILTERS, 28000510
-  PERIMETER EROSION BARRIER, 28000400
-  SEDIMENT BASIN, 20200300
-  MULCH, METHOD 2, 25100115
-  EROSION CONTROL BLANKET (SPECIAL 1)
-  EROSION CONTROL BLANKET (SPECIAL 2)
-  EROSION CONTROL BLANKET (SPECIAL 3)
-  VEGETATIVE DITCH SEEDING FOR SEEDING DETAIL AND MIXES SEE SEEDING DETAILS
-  STABILIZED CONSTRUCTION ENTRANCE, X0322671
-  RIP RAP, 28100105 & 28100107



SEE EROSION CONTROL DETAILS FOR EROSION CONTROL MEASURES UNDER THE BRIDGE.  
 SEE BRIDGE PLANS AND SPECIAL PROVISION FOR REMOVAL OF EXISTING CULVERT  
 322 SQ YD - STABILIZED CONSTRUCTION ENTRANCE SEE EROSION AND SEDIMENT CONTROL DETAILS  
 EROSION CONTROL BLANKET (SPECIAL 1) 880 SQ YD  
 WETLAND FILL 0.071 A  
 ROLLED EXCELSIOR PERIMETER BARRIER  
 NOTE: ADDITIONAL EROSION CONTROL MEASURES MAY BE NECESSARY IN THIS AREA.

**NOTE:**  
 DETENTION PONDS ARE TO BE USED AS SETTLING BASINS DURING CONSTRUCTION. SEE NOTE 6 IN THE GENERAL NOTES

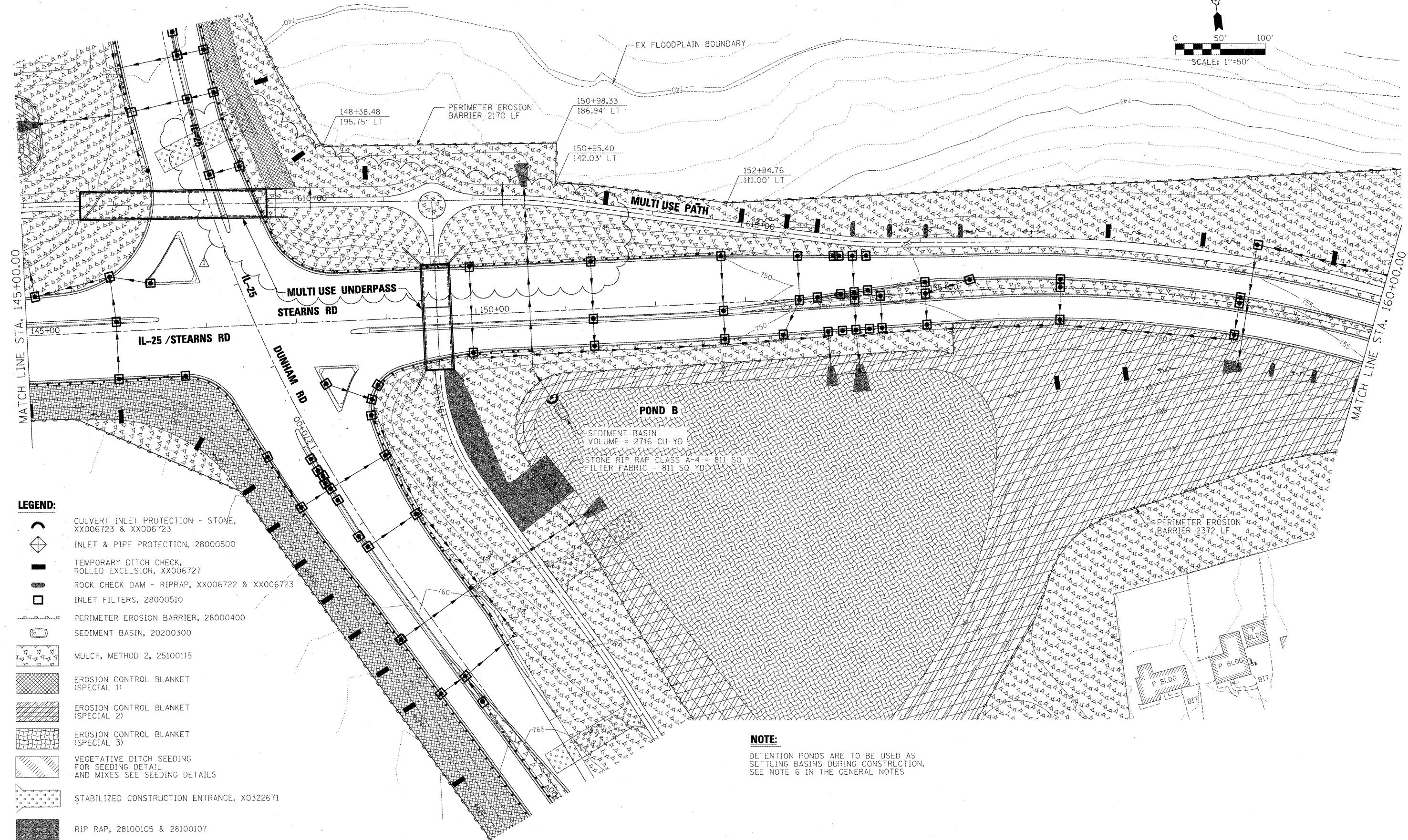
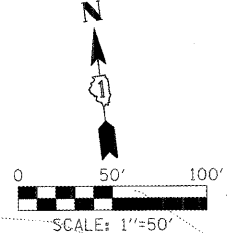
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









**KANE COUNTY  
 DIVISION OF TRANSPORTATION**

EROSION AND SEDIMENT CONTROL DUNHAM ROAD / IL 25			
SCALE:	SHEET NO.	OF SHEETS	STA. 267+00.00 TO STA. 282+00.00


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-15-BR	KANE/DUPAGE	545	129
FED. ROAD DIST. NO.				ILLINOIS FED. AID PROJECT
				CONTRACT NO. 63074



**LEGEND:**

-  CULVERT INLET PROTECTION - STONE, XX006723 & XX006723
-  INLET & PIPE PROTECTION, 28000500
-  TEMPORARY DITCH CHECK, ROLLED EXCELSIOR, XX006727
-  ROCK CHECK DAM - RIPRAP, XX006722 & XX006723
-  INLET FILTERS, 28000510
-  PERIMETER EROSION BARRIER, 28000400
-  SEDIMENT BASIN, 20200300
-  MULCH, METHOD 2, 25100115
-  EROSION CONTROL BLANKET (SPECIAL 1)
-  EROSION CONTROL BLANKET (SPECIAL 2)
-  EROSION CONTROL BLANKET (SPECIAL 3)
-  VEGETATIVE DITCH SEEDING FOR SEEDING DETAIL AND MIXES SEE SEEDING DETAILS
-  STABILIZED CONSTRUCTION ENTRANCE, X0322671
-  RIP RAP, 28100105 & 28100107

**NOTE:**  
 DETENTION PONDS ARE TO BE USED AS SETTLING BASINS DURING CONSTRUCTION. SEE NOTE 6 IN THE GENERAL NOTES

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**KANE COUNTY  
 DIVISION OF TRANSPORTATION**

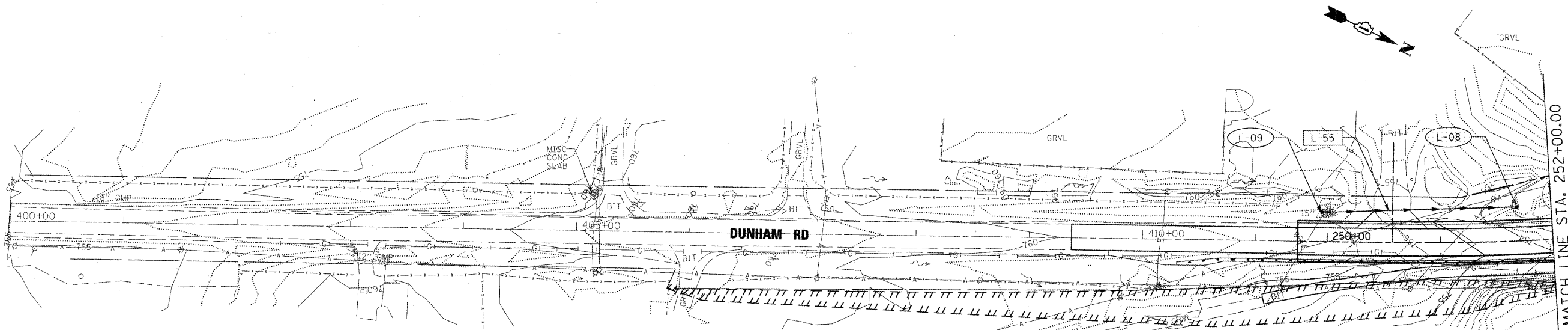
EROSION AND SEDIMENT CONTROL IL 25 / STEARNS ROAD			
SCALE:	SHEET NO.	OF SHEETS	STA. 145+00.00 TO STA. 160+00.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-15-BR	KANE/DUPAGE	545	133
CONTRACT NO. 63074				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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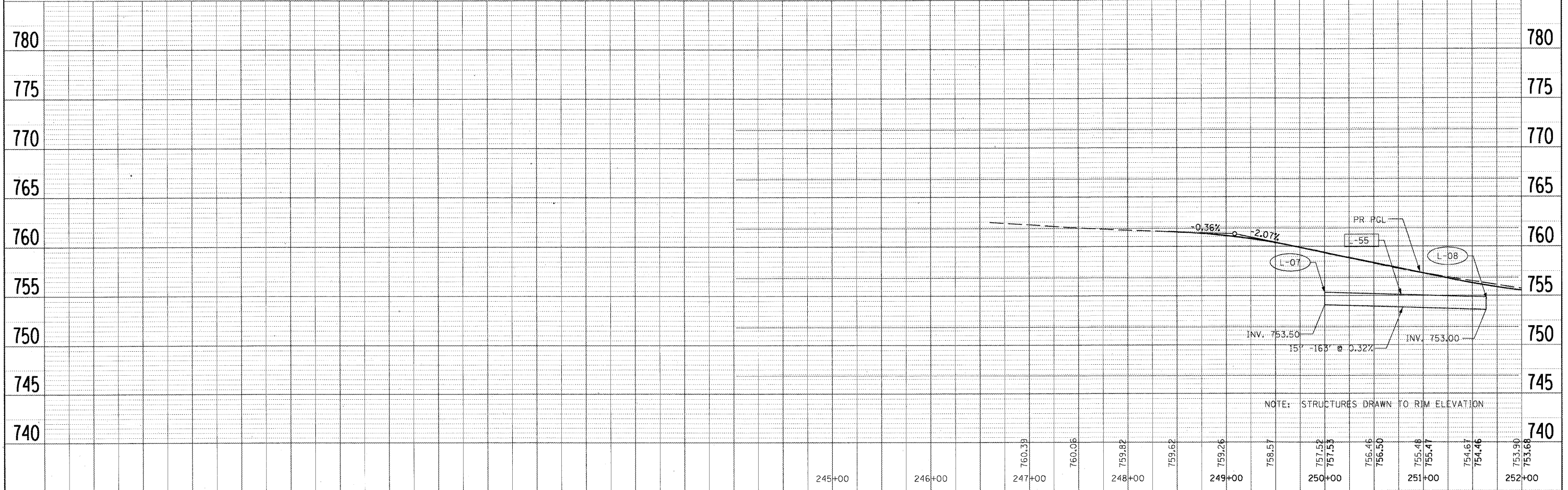
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 NO. \_\_\_\_\_  
 STRUCTURE NOTATIONS CHRD \_\_\_\_\_



**LEGEND:**

- LEFT DITCH PROFILE LINE
- RIGHT DITCH PROFILE LINE
- DRAINAGE BOUNDARY LINE
- MANHOLE
- CATCH BASIN
- ▲ CULVERT END SECTION
- ↑ SUMMIT
- ↔ ROADWAY DITCH FLOW
- OVERLAND FLOW ARROW
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- /// PROPOSED PERMANENT EASEMENT LINE
- /// PROPOSED TEMPORARY EASEMENT LINE
- PROPOSED INDEX MAJOR COUNTER LINE
- PROPOSED INTERMEDIATE MINOR COUNTER LINE
- A --- EXISTING AERIAL LINE
- GC --- EXISTING UNDERGROUND GAS LINE
- T --- EXISTING UNDERGROUND TELEPHONE LINE
- E --- EXISTING UNDERGROUND ELECTRIC LINE
- FO --- EXISTING UNDERGROUND FIBER OPTIC LINE
- EXISTING CONTOUR LINE



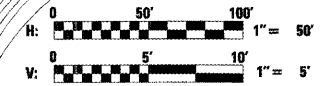
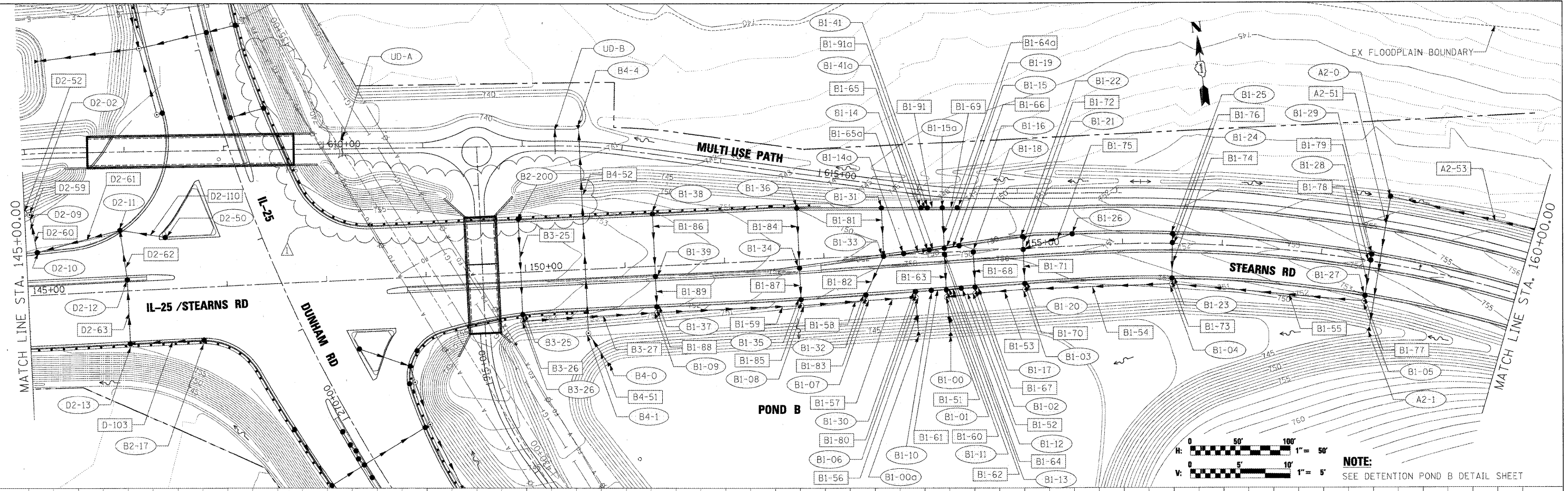
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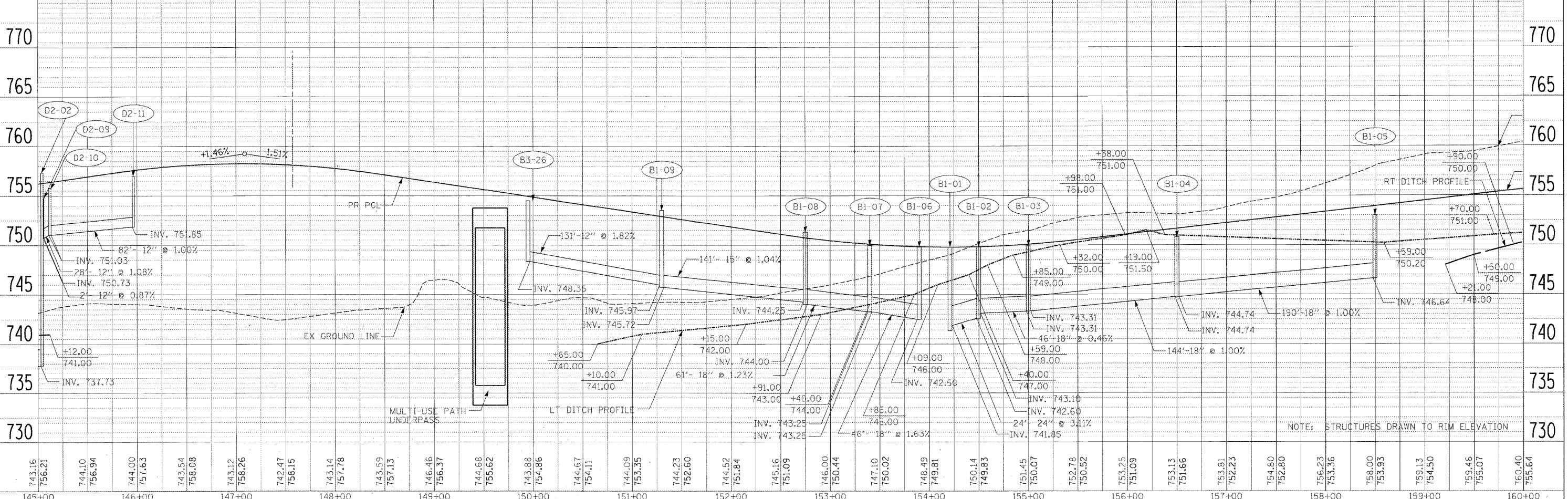


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 PLOTTED \_\_\_\_\_  
 CHECKED \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_  
 STRUCTURE NOTATIONS CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_



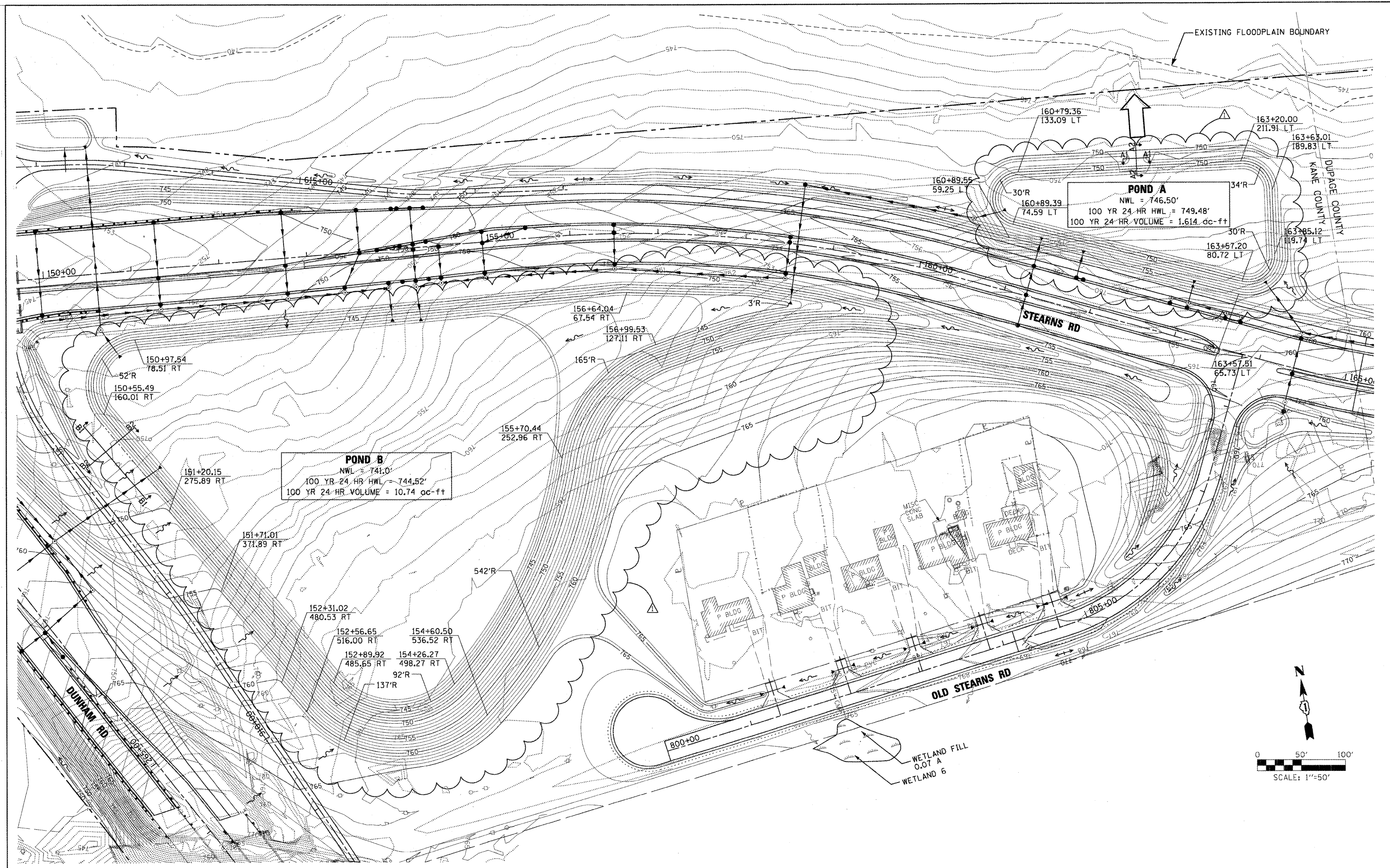
**NOTE:**  
 SEE DETENTION POND B DETAIL SHEET



NOTE: STRUCTURES DRAWN TO RIM ELEVATION

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#FILES#	PLOT SCALE = 50.0000' / IN.	DRAWN - AAF	REVISED -					SCALE:	SHEET NO. OF SHEETS	STA. 145+00.00 TO STA. 160+00.00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 63074	TOTAL SHEETS = 545	SHEET NO. = 166
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		DATE = 3/31/09	REVISED -												

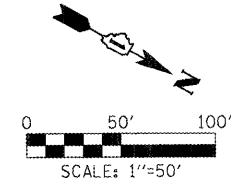




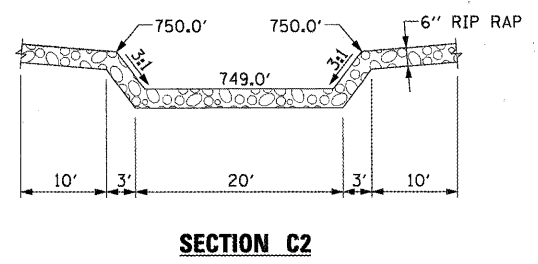
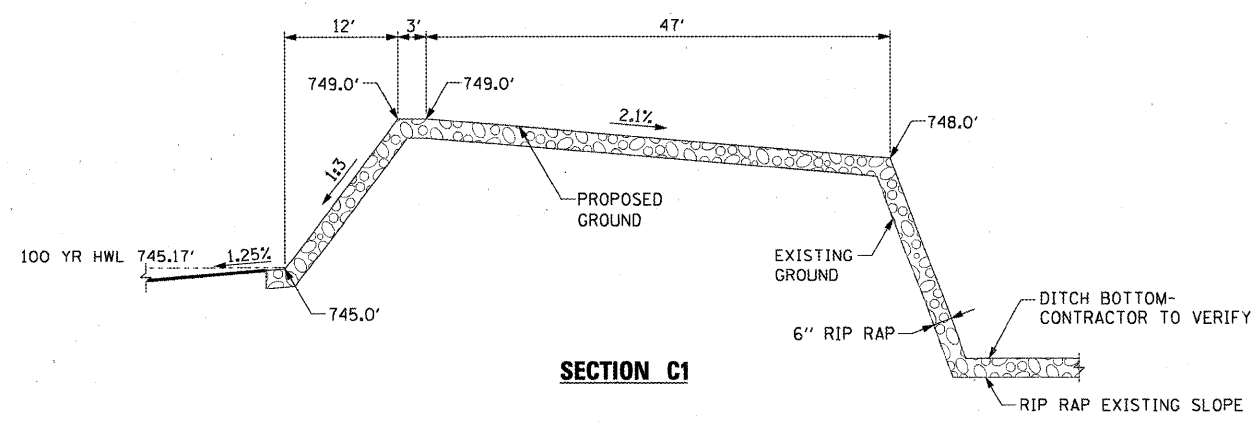
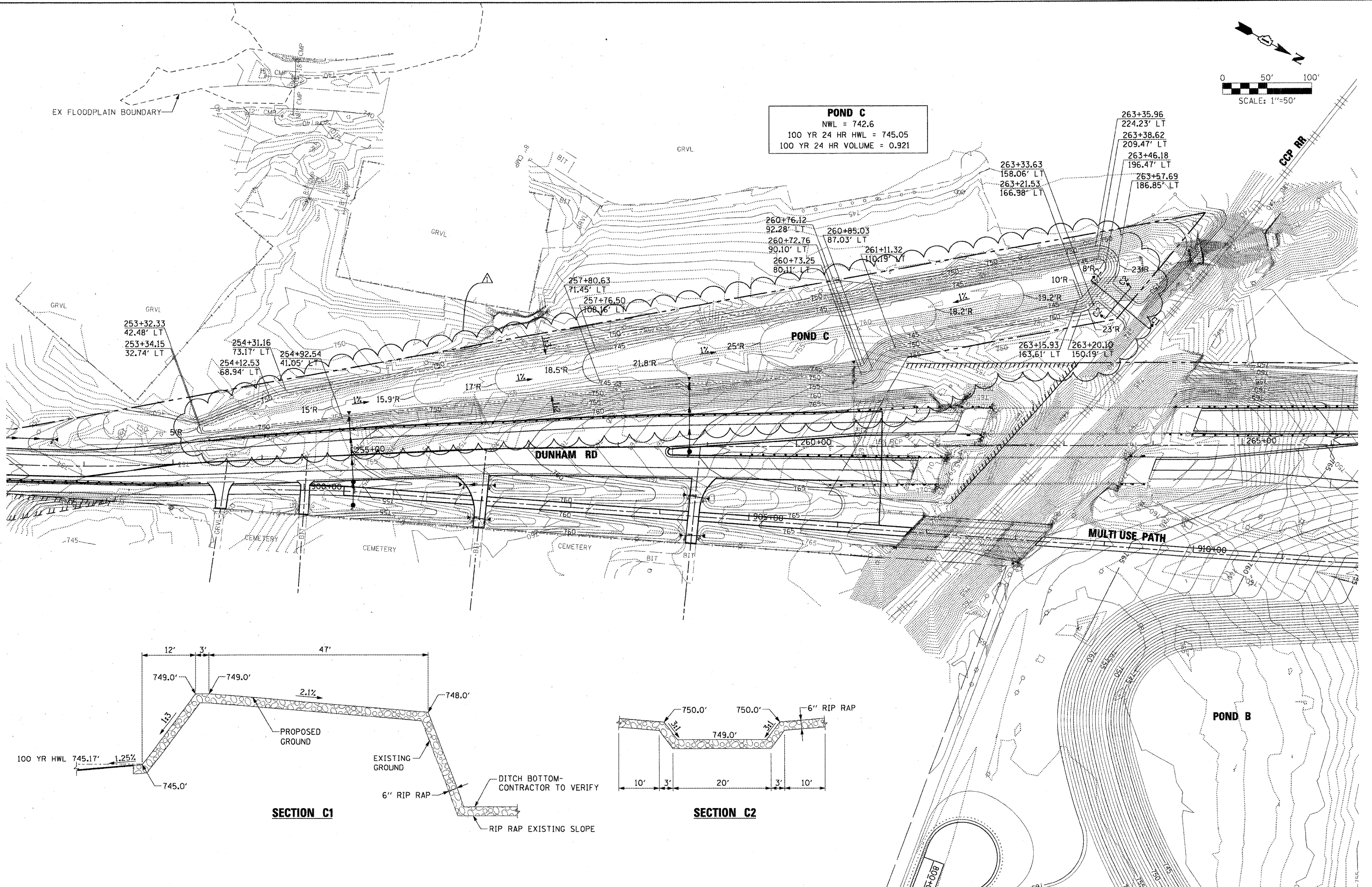
**POND B**  
 NWL = 741.0'  
 100 YR. 24 HR. HWL = 744.52'  
 100 YR 24 HR. VOLUME = 10.74 ac-ft

**POND A**  
 NWL = 746.50'  
 100 YR 24 HR. HWL = 749.48'  
 100 YR 24 HR. VOLUME = 1,614 ac-ft

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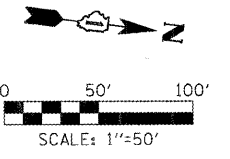


**POND C**  
 NWL = 742.6  
 100 YR 24 HR HWL = 745.05  
 100 YR 24 HR VOLUME = 0.921



\$FILEL\$

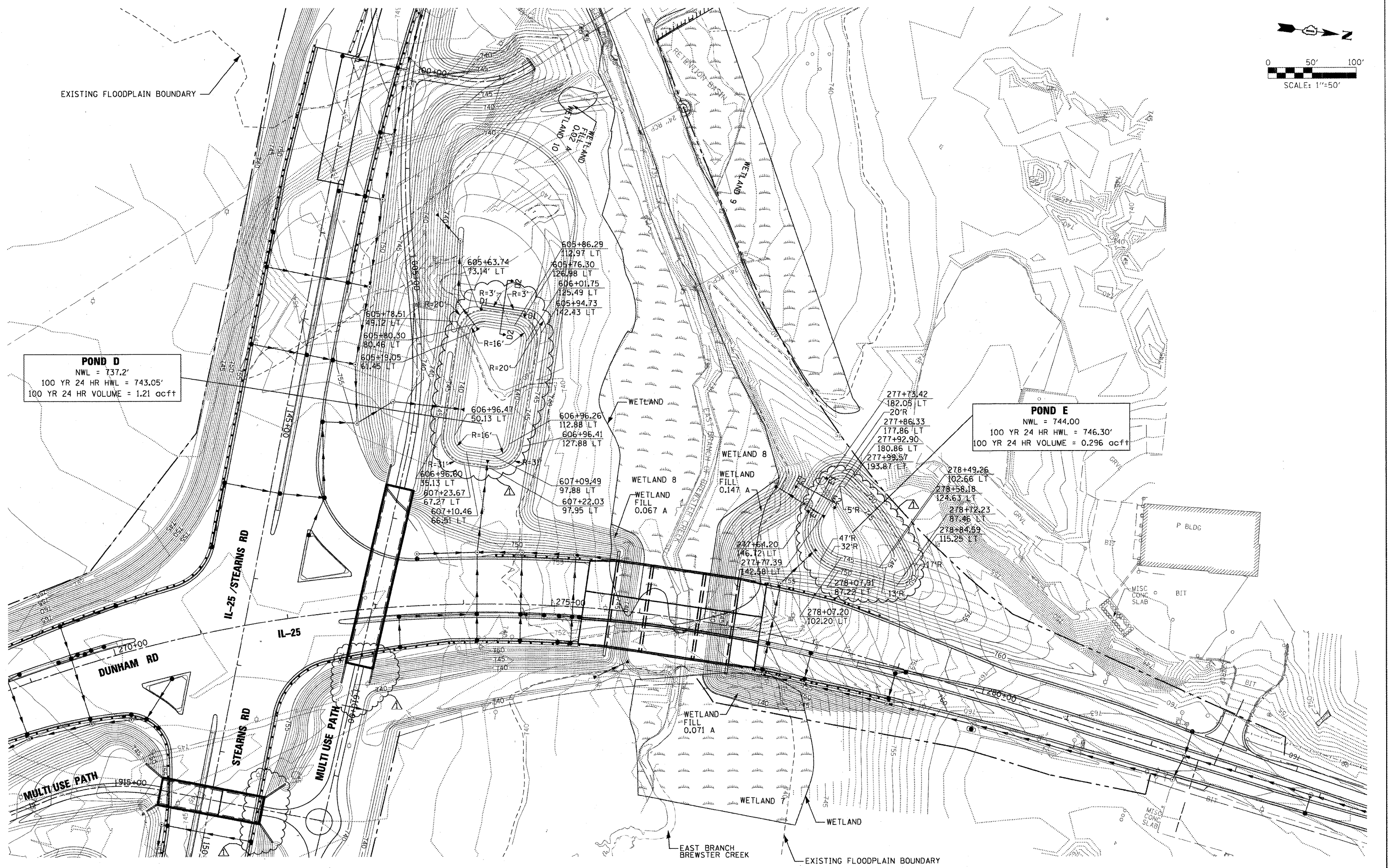
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						SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS/FED. AID PROJECT		



EXISTING FLOODPLAIN BOUNDARY

**POND D**  
 NWL = 737.2'  
 100 YR 24 HR HWL = 743.05'  
 100 YR 24 HR VOLUME = 1.21 acft

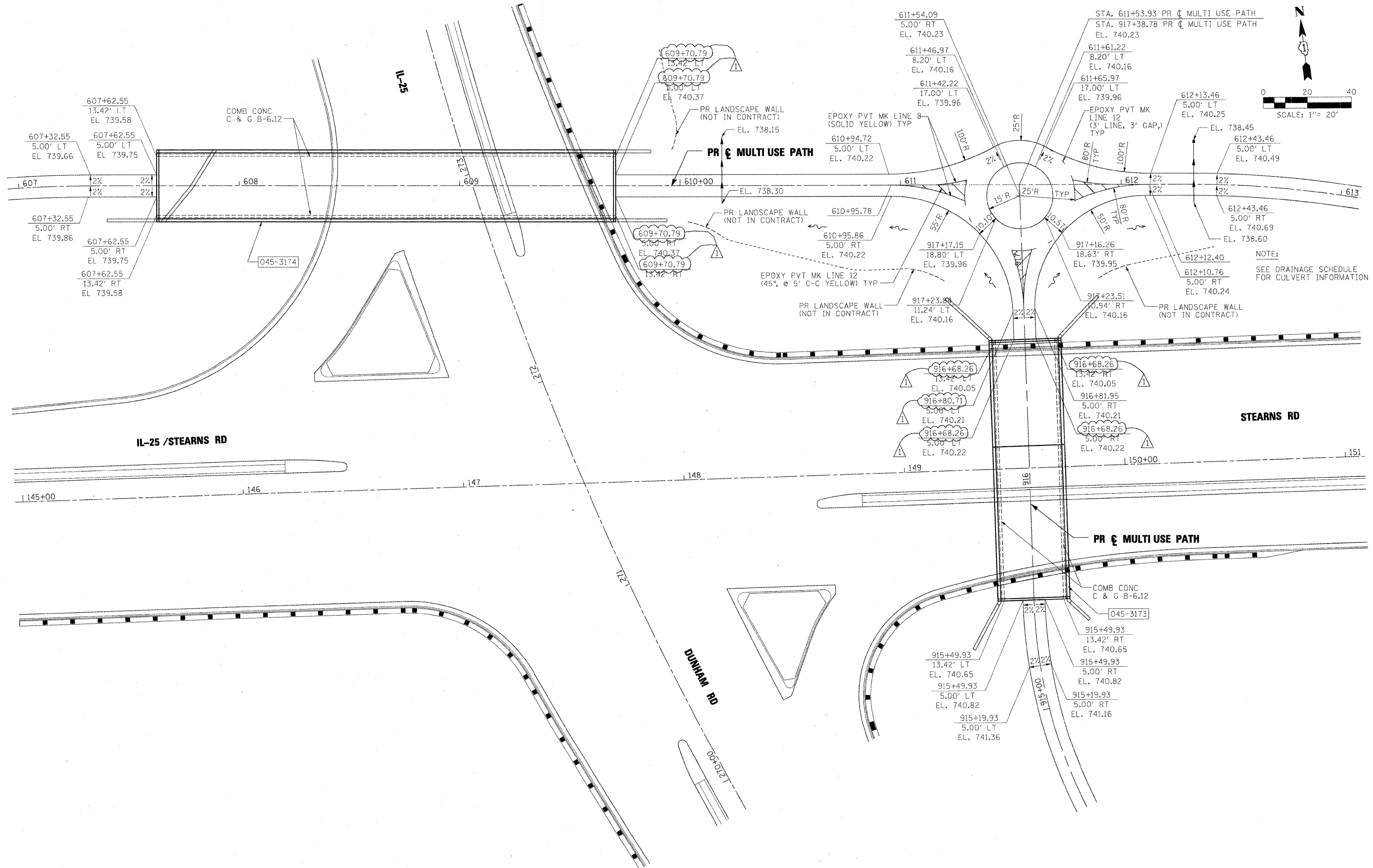
**POND E**  
 NWL = 744.00  
 100 YR 24 HR HWL = 746.30'  
 100 YR 24 HR VOLUME = 0.296 acft



**KANE COUNTY  
 DIVISION OF TRANSPORTATION**

**DRAINAGE AND UTILITY  
 DETENTION POND D /  
 DETENTION POND E**

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		DATE - 3/31/09	REVISED -		



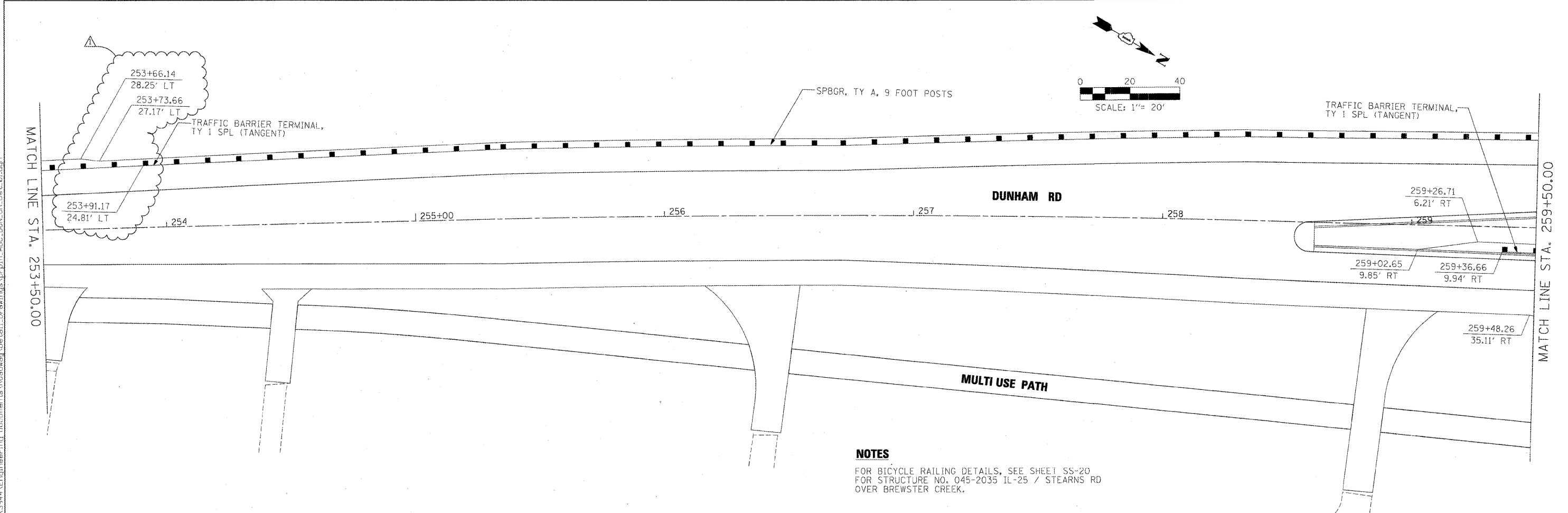
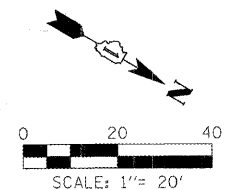
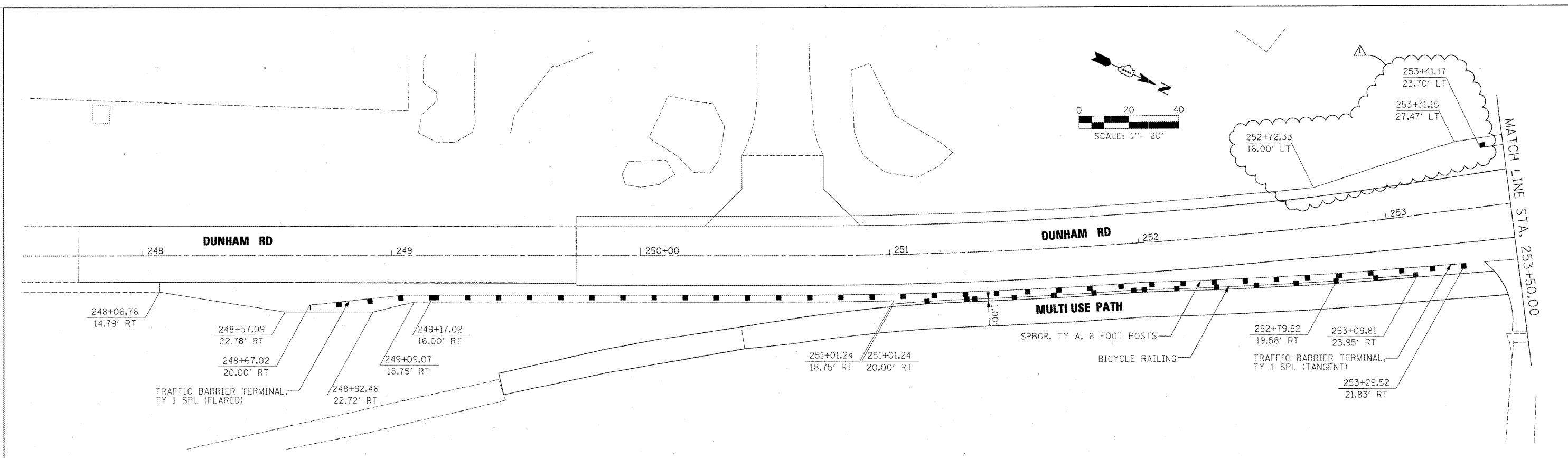
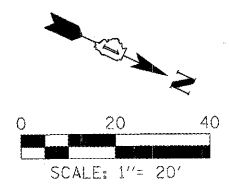
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		DATE - 3/31/09	REVISED -

**KANE COUNTY  
DIVISION OF TRANSPORTATION**

<b>DETAIL GRADES MULTI USE PATH DUNHAM / IL 25 / STEARNS ROAD</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-15-BR	KANE/DUPAGE	545	227
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63074	



**NOTES**  
 FOR BICYCLE RAILING DETAILS, SEE SHEET SS-20  
 FOR STRUCTURE NO. 045-2035 IL-25 / STEARNS RD  
 OVER BREWSTER CREEK.

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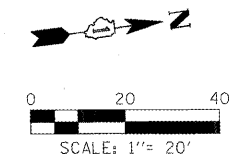
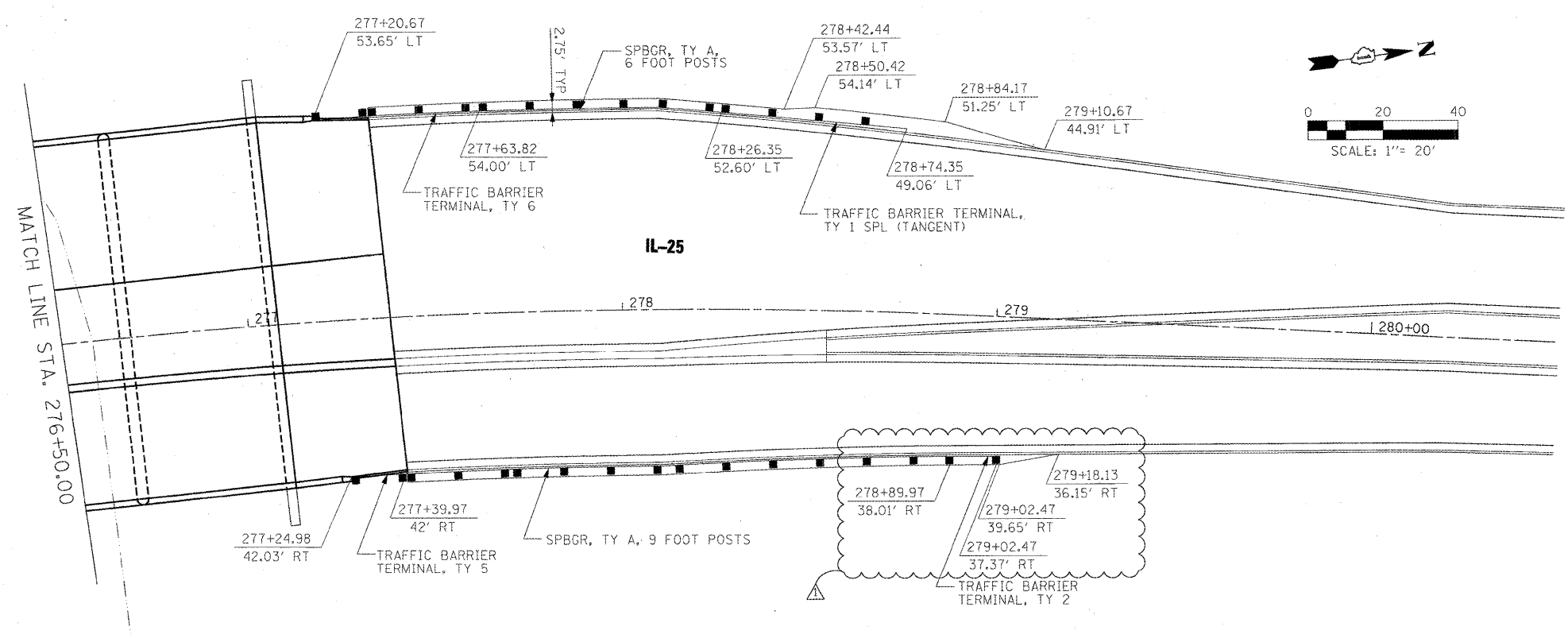
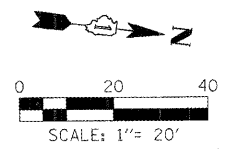
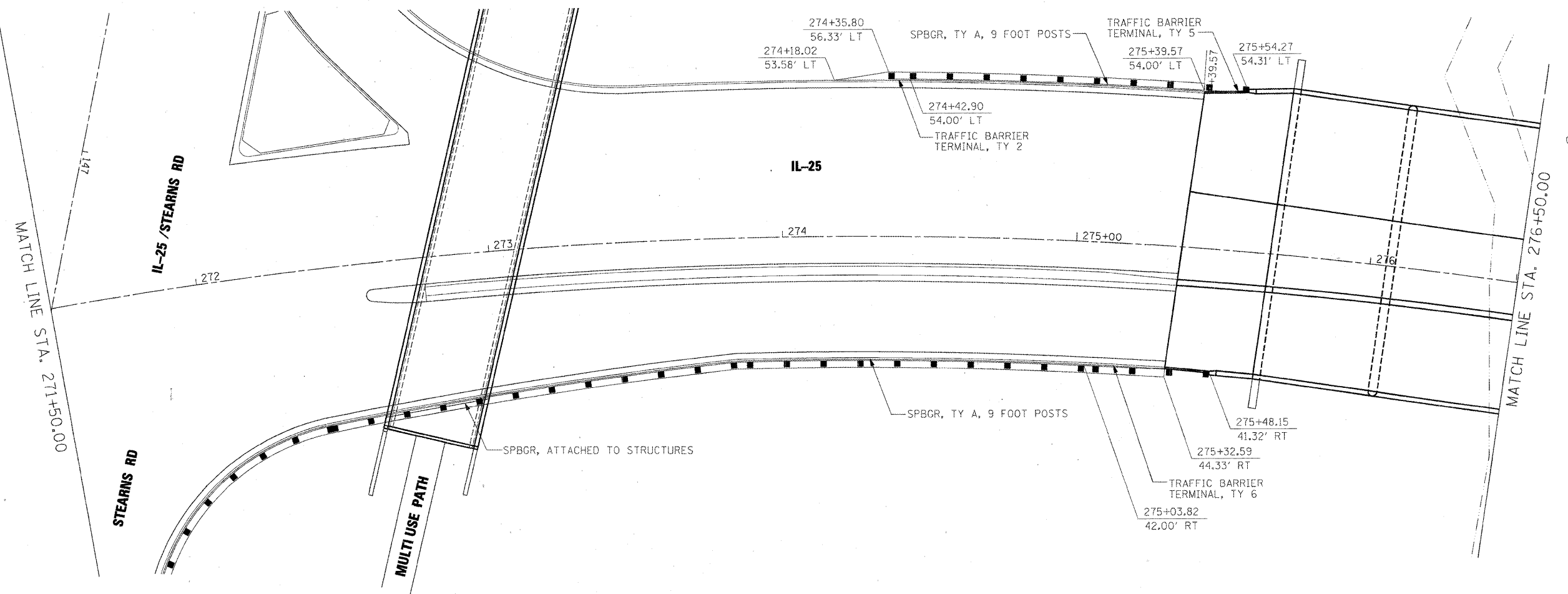
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	PLOT DATE = 6/4/2009	DATE - 3/31/09	REVISED -

**KANE COUNTY  
 DIVISION OF TRANSPORTATION**

**DUNHAM ROAD  
 GUARDRAIL DETAIL**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-15-BR	KANE/DUPAGE	545	228
CONTRACT NO. 63074				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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**KANE COUNTY  
DIVISION OF TRANSPORTATION**

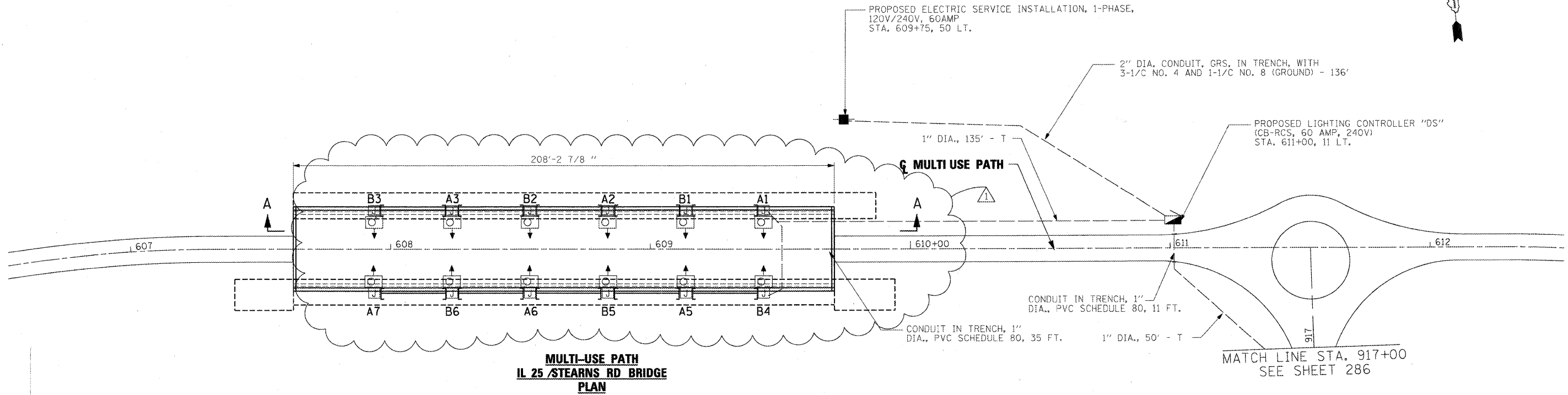
**IL 25  
GUARDRAIL DETAIL**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

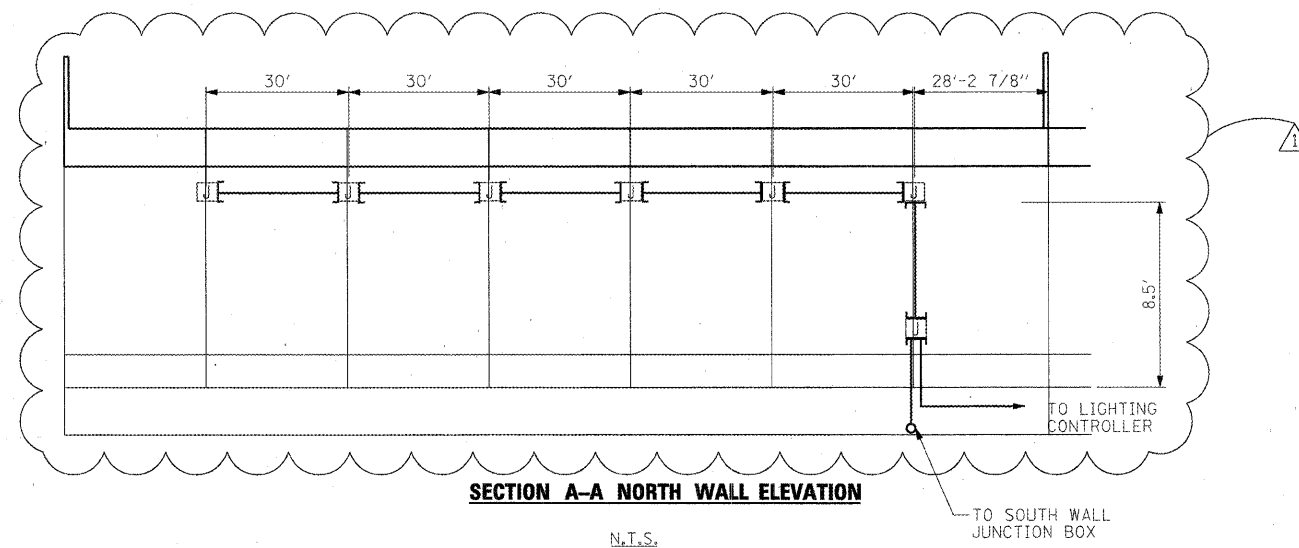
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-15-BR	KANE/DUPAGE	545	230
CONTRACT NO. 63074				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

**SUMMARY OF TRAFFIC SIGNAL QUANTITIES**

ITEM	UNIT	TOTAL	DUNHAM RD @ STEARNS RD.	IL-25 @ DUNHAM RD.	IL-25 / STEARNS RD. @ GILBERT ST.	IL-25 / STEARNS RD @ IL-25 / DUNHAM RD.	INTERCONNECT
ELECTRIC SERVICE INSTALLATION	EACH	2			1	1	0
CONDUIT IN TRENCH, 1 1/2" DIA. GALVANIZED STEEL	FOOT	23			23	0	0
CONDUIT IN TRENCH, 2" DIA. GALVANIZED STEEL	FOOT	3546			520	1118	1935
CONDUIT IN TRENCH, 2 1/2" DIA. GALVANIZED STEEL	FOOT	124			86	65	0
CONDUIT IN TRENCH, 3" DIA. GALVANIZED STEEL	FOOT	202			181	76	0
CONDUIT IN TRENCH, 4" DIA. GALVANIZED STEEL	FOOT	140			25	115	0
CONDUIT PUSHED 2", DIA. GALVANIZED STEEL	FOOT	360			0	224	150
CONDUIT PUSHED 3", DIA. GALVANIZED STEEL	FOOT	277			158	0	0
CONDUIT PUSHED 4", DIA. GALVANIZED STEEL	FOOT	711			76	671	0
CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT	85			0	0	85
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 14" X 12" X 6" HANDHOLE	EACH	2			0	0	2
HEAVY-DUTY HANDHOLE	EACH	24			7	8	9
DOUBLE HANDHOLE	EACH	6			2	4	0
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	4			1	3	0
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	FOOT	4223			865	1489	1935
FULL-ACTUATED CONTROLLER AND TYPE V CABINET	EACH	2	1	1	0	0	0
MASTER CONTROLLER (SPECIAL)	EACH	2			1	1	0
TRANSCIVER - FIBER OPTIC	EACH	1			0	0	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62 5/125, MM12F, SM12F	EACH	2			1	1	0
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2/C	FOOT	4697			0	0	4697
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3/C	FOOT	409			409	0	0
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5/C	FOOT	409			409	0	0
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7/C	FOOT	7750			1114	6681	0
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	3051			964	2281	0
ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 2C	FOOT	7743			1374	5841	0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	FOOT	220			100	120	0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	1			1	0	0
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4			4	0	0
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	6			2	4	0
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1			1	0	0
STEEL MAST ARM ASSEMBLY AND POLE, 66 FT.	EACH	1			1	0	0
STEEL MAST ARM ASSEMBLY AND POLE, 75 FT.	EACH	3			0	3	0
CONCRETE FOUNDATION, TYPE A	EACH	1			0	1	0
CONCRETE FOUNDATION, TYPE C	FOOT	44			28	16	0
CONCRETE FOUNDATION TYPE E, 30-INCH DIAMETER	FOOT	8			4	4	0
CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT	15			15	0	0
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	FOOT	15			15	0	0
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	18			2	16	0
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	9			6	4	0
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	10			3	6	0
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	3			2	2	0
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	2			2	0	0
INDUCTIVE LOOP DETECTOR	EACH	21			4	18	0
DETECTOR LOOP, TYPE I	EACH	22			5	16	0
PEDESTRIAN PUSH BUTTON	FOOT	393			354	0	0
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2			2	0	0
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1			0	1	0
REMOVE EXISTING HANDHOLE	EACH	2	1	3	0	0	0
REMOVE EXISTING CONCRETE FOUNDATION	EACH	3	3		0	0	0
PREFORMED DETECTOR LOOP	EACH	6	6		0	0	0
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14, 1C	FOOT	1986			44	1802	0
OPTIMIZE TRAFFIC SIGNAL SYSTEM	FOOT	4697			0	0	4697
ELECTRIC CABLE IN CONDUIT, GROUNDING NO. 6 1C	L SUM	1			0	0	1
UNINTERRUPTABLE POWER SUPPLY	FOOT	1516			755	715	0
CONDUIT PUSHED UNDER RAILROAD, 3" DIA., GALVANIZED STEEL	EACH	2			1	1	0
CONCRETE FOUNDATION, TYPE E, 42-INCH DIAMETER	FOOT	140			0	0	140
TEMPORARY TRAFFIC SIGNAL TIMING	FOOT	100			0	100	0
	EACH	1				1	0



**MULTI-USE PATH  
IL 25 / STEARNS RD BRIDGE  
PLAN**



**SECTION A-A NORTH WALL ELEVATION**

N.T.S.

**NOTES:**

1. FOR GENERAL AND CONSTRUCTION NOTES  
SEE SHEET 287.

**PEDESTRIAN UNDERPASS LIGHTING SCHEDULE OF MATERIALS**

PAY ITEM	UNIT	QTY.
ELECTRIC SERVICE INSTALLATION	EACH	1
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	136
CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	395
CONDUIT EMBEDDED IN STRUCTURE, 1" DIA.	FOOT	540
ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 1/C NO. 10	FOOT	1,010
ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 1/C NO. 4	FOOT	150
ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 3-1/C NO. 10	FOOT	1,010
ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 3-1/C NO. 4	FOOT	150
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	395
UNDERPASS LUMINAIRE, 70 WATT, HIGH PRESSURE SODIUM VAPOR	EACH	20
LIGHTING CONTROLLER TYPE CB-RCS 60AMP - 240VOLT	EACH	1
JUNCTION BOX EMBEDDED IN STRUCTURE 4" X 4" X 3"	EACH	20

**LEGEND**

- PROPOSED ELECTRIC SERVICE INSTALLATION, 120V/240V, 60A
- PROPOSED LIGHTING CONTROLLER SINGLE DOOR, B-RCS, 60A, 120V/240V
- CIRCUI T DESIGNATION      LUMINAIRE NUMBER
- PROPOSED UNDERPASS LUMINAIRE 70 WATT, HIGH PRESSURE SODIUM VAPOUR
- CONDUIT IN TRENCH, 1" DIA., PVC SCHEDULE 40, UNLESS OTHERWISE NOTED, WITH 3-1/c NO. 10 AND 1-1/c NO. 10 GROUND (EPR-TYPE RHW)
- CONDUIT EMBEDDED IN STRUCTURE 1" DIA., PVC, WITH 3-1/c NO.10 AND 1-1/c NO. 10 GROUND (EPR-TYPE RHW)
- PROPOSED ELECTRICAL JUNCTION BOX, 4" x 4" x 3". EMBEDDED IN STRUCTURE

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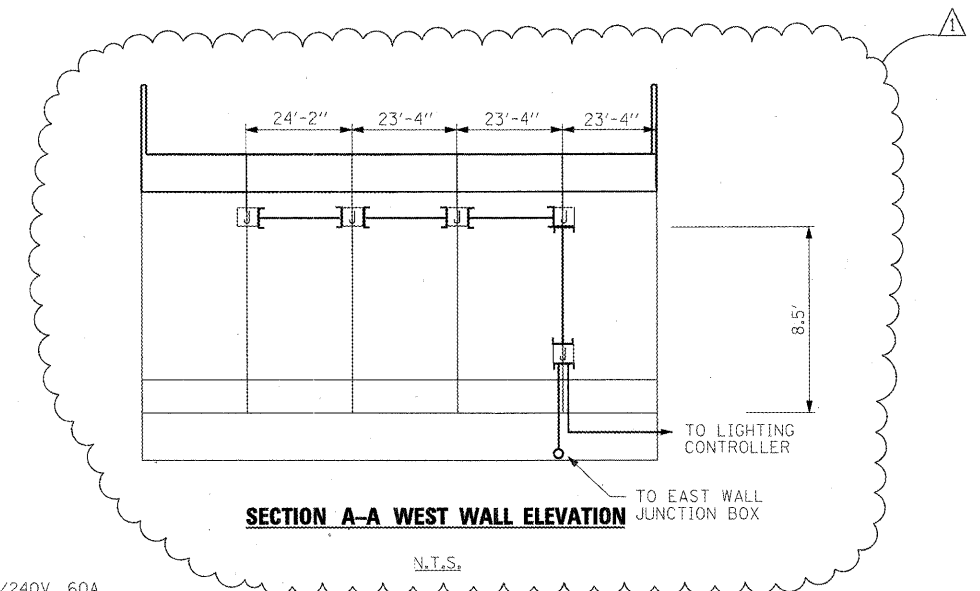
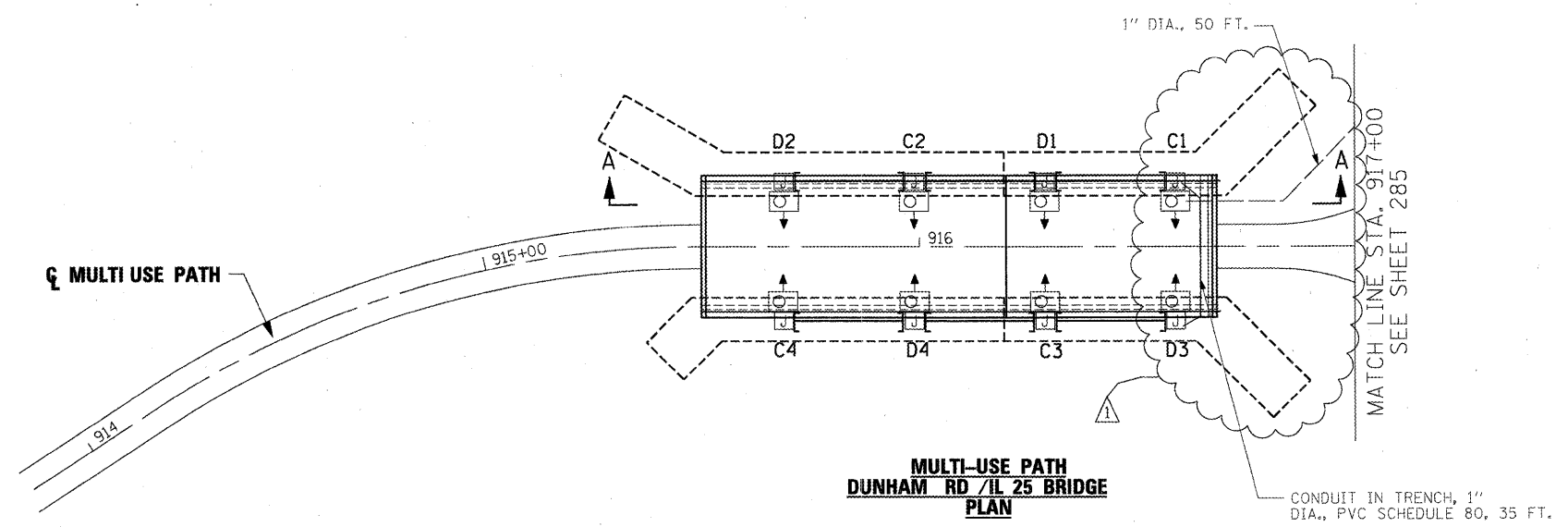
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	PLOT DATE = 6/4/2009	DATE - 3/31/09	REVISED -

**KANE COUNTY  
DIVISION OF TRANSPORTATION**

**UNDERPASS LIGHTING PLAN  
IL 25 / STEARNS ROAD**

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
						361	06-00214-15-BR	KANE/DUPAGE	545	271
						CONTRACT NO. 63074				
						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



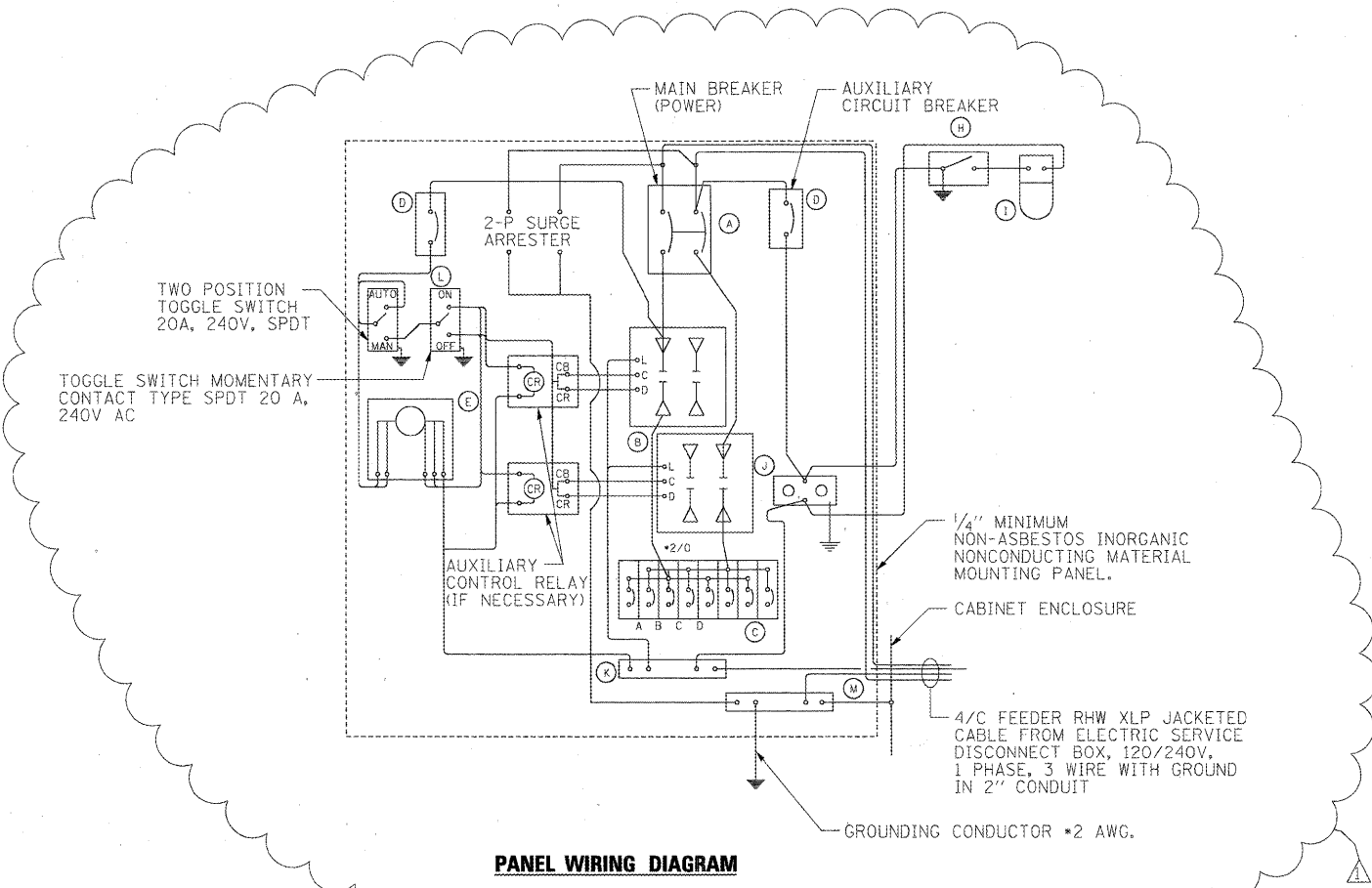


**NOTES:**  
1. FOR GENERAL AND CONSTRUCTION NOTES SEE SHEET 287.

- LEGEND**
- PROPOSED ELECTRIC SERVICE INSTALLATION, 120V/240V, 60A
  - ▣ PROPOSED LIGHTING CONTROLLER SINGLE DOOR, B-RCS, 60A, 120V/240V
  - CIRCUIT DESIGNATION — A1 — LUMINAIRE NUMBER
  - PROPOSED UNDERPASS LUMINAIRE 70 WATT, HIGH PRESSURE SODIUM VAPOUR
  - — — CONDUIT IN TRENCH, 1" DIA., PVC SCHEDULE 40, UNLESS OTHERWISE NOTED, WITH 3-1/c NO. 10 AND 1-1/c NO. 10 GROUND (EPR-TYPE RHW)
  - [ ] CONDUIT EMBEDDED IN STRUCTURE 1" DIA., PVC, WITH 3-1/c NO.10 AND 1-1/c NO. 10 GROUND (EPR-TYPE RHW)
  - J PROPOSED ELECTRICAL JUNCTION BOX, 4" x 4" x 3". EMBEDDED IN STRUCTURE

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		DRAWN - VLM	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
		PLOT SCALE = 20.0000' / IN.	CHECKED - GHT												
		PLOT DATE = 6/4/2009	DATE - 3/31/09												
											361	06-00214-15-BR	KANE/DUPAGE	545	272
											CONTRACT NO. 63074				



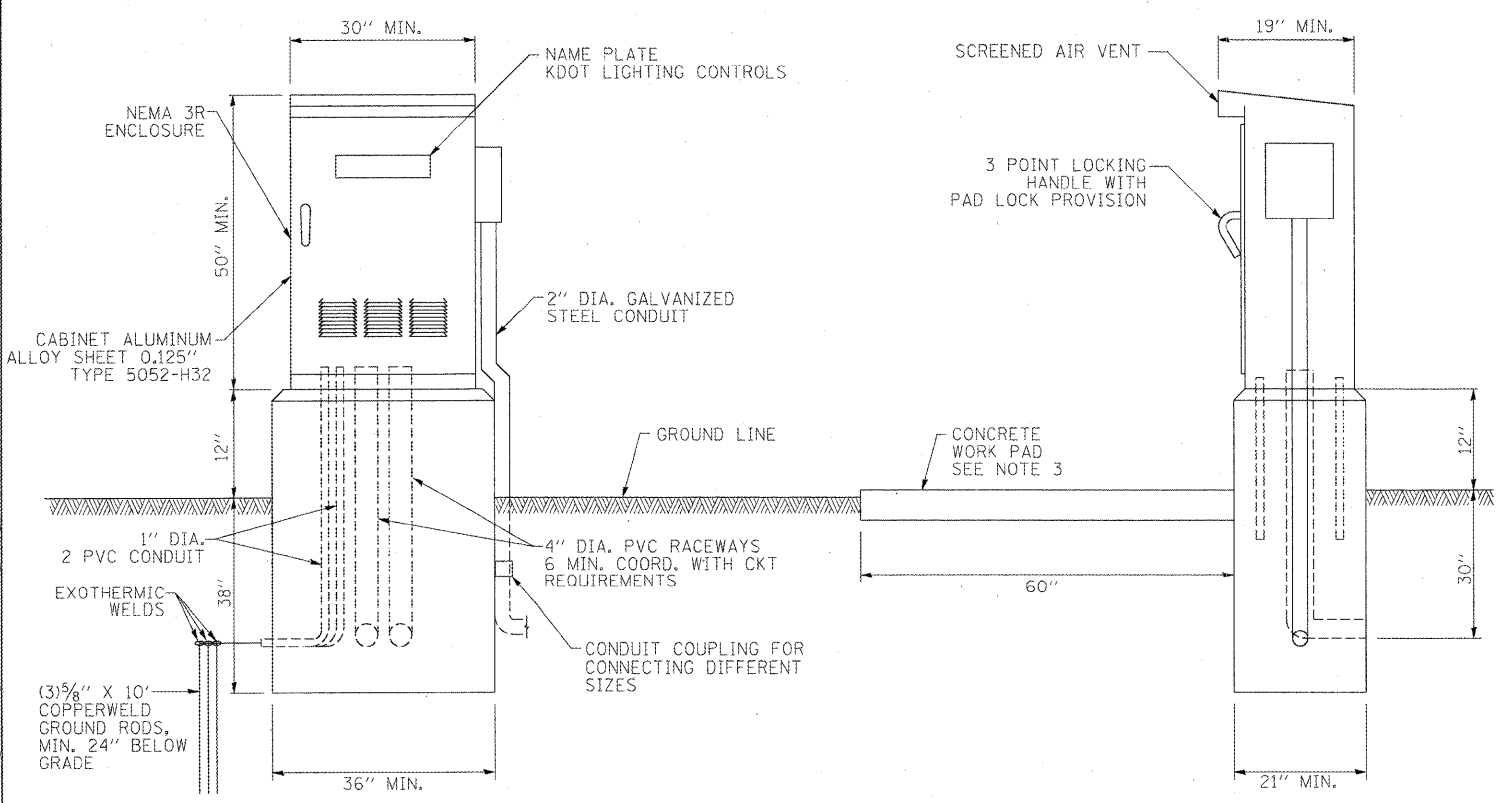
**PANEL EQUIPMENT**

**BILL OF MATERIAL**

ITEM	QUANTITY	DESCRIPTION
A	1	MAIN CIRCUIT BREAKER, 2 POLE, 600 VOLT 40 AMP, FRAME, 100 AMP, NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-22000 AMP, AT 480 VOLT.
B	2	REMOTE CONTROL SWITCH, ELECTRICALLY OPERATED MECHANICALLY HELD, 2 POLE, SINGLE THROW, 100 AMP., 600 VOLTS CONTROL CIRCUIT 120 VOLT.
C	8	CIRCUIT BREAKERS, 1-POLE, 100 AMP, FRAME, 30 AMP, NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-10,000 AMP, AT 240 V.
D	2	CONTROL CIRCUIT-CIRCUIT BREAKER, 1-POLE, 120 V., 100 AMP, FRAME 30 AMP, NON-INTERCHANGEABLE TRIP INTERRUPTING RATING NEMA-5000 AMP, AT 240 V.
E	1	ASTRONOMIC MICROPROCESSOR-BASED 2-CHANNEL CONTROLLER (TIME SWITCHED)
H	1	SPST 20A SWITCH ON DOOR, TO TURN LIGHT ON WHEN DOOR IS OPEN.
I	1	INCANDESCENT LIGHTING FIXTURE ENCLOSED AND GASKETED WITH 60 WATT, 120 V. LAMP.
J	1	20 A., 120 V., DUPLEX RECEPTACLE, GFCI.
K	1	COPPER NEUTRAL BUS 1/4" X 1" X 12" LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS
L	2	SPDT TOGGLE SWITCHES MOUNTED IN 4" X 4" BOX.
M	1	COPPER GROUND BUS 1/4" X 1" X 12" LONG MOUNTED ON PANEL WITH LUGS AND 4 SPARE LUGS
N	1	THE SURGE PROTECTION MUST BE SUITABLE FOR 240/120 VOLT SINGLE PHASE 60HZ AC ELECTRICAL SERVICE, WITH A SURGE ENERGY CAPABILITY OF 2160 JOULES OR BETTER AT 8/20 MICRO SECONDS RATED -40 TO 60 DEGREES C., WITH LED OPERATING INDICATORS, AND MUST BE UL LISTED PER UL 1449, CUTLER-HAMMER CMOV230L065XST OR APPROVED EQUAL.

**NOTES:**

- ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SHOWN.
- FOUNDATION SIZE MUST BE COORDINATED WITH CABINET SIZE AND MFR.
- IN FRONT OF CONTROL CABINET DOOR, REMOVE VEGETATION AND 2" TOP SOIL. LEVEL THE AREA AND ON TOP, PLACE LENGTH WISE PARALLEL TO CONTROL CABINET, A CONCRETE PAD 36" X 60" X 4" MIN. SIZE, THE COST OF LABOR AND MATERIALS ARE INCLUDED IN THE COST OF THE CONTROLLER.
- DOOR WILL BE CONSTRUCTED FROM SAME TYPE OF MATERIAL AND THICKNESS AS CABINET.
- DOOR WILL BE EQUIPPED WITH THREE POINT LATCHING MECHANISM WITH NYLON ROLLERS AT TOP AND THE BOTTOM.
- DOOR HINGE WILL BE A HEAVY GAUGE CONTINUOUS HINGE WITH 1/4" DIA. STAINLESS STEEL HINGE PIN.
- ALL EXTERNAL HARDWARE WILL BE STAINLESS STEEL.
- CONTROL WIRING TO BE #12 AWG, 600V, TYPE "SIS" GRAY SWITCH BOARD WIRE, STRANDED COPPER.
- METER BOX WILL BE MOUNTED ON THE SIDE OF CONTROL CABINET, NEAR TO THE SERVICE POLE. (NOT REQUIRED ON UNMETERED SERVICES OR AS REQUIRED BY THE ELECTRIC UTILITY).
- CABINETS WILL BE PRIMED AND PAINTED AS SPECIFIED.
- THE HEADS OF CONNECTORS SCREWS WILL BE PAINTED WHITE FOR NEUTRAL BAR CONNECTION AND GREEN FOR GROUND BAR CONNECTORS.
- ALL WIRING WITHIN THE CABINET MUST BE COLOR CODED AS INDICATED.  
R = RED      BL = BLUE      W = WHITE  
B = BLACK      Y = YELLOW      G = GREEN
- PROVIDE SEALING GROMMETS FOR ALL OPEN WIRING EXTENDED FROM DEVICES IN BOXES OR CABINETS WITHIN THE CONTROL CABINET.
- ALL WIRING WILL BE NEATLY DRESSED AND SUPPORTED.
- THE CONTROLLER MUST BE CONSTRUCTED TO U.L. STD. 508 AND BEAR THE U.L. LABEL "ENCLOSED INDUSTRIAL CONTROL PANEL".
- 12" X 16" STAINLESS STEEL EXTERIOR NAMEPLATE WILL BE ENGRAVED TO "KANE COUNTY LIGHTING CONTROLS" UNLESS OTHERWISE SPECIFIED.
- CIRCUITS A AND C SHALL RUN CONTINUOUSLY. CIRCUITS B AND D SHALL TURN OFF DURING THE NON-OPERATING HOURS OF THE FORREST PRESERVE.



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FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - GHT	REVISED - ADDENDUM 6/5/09
		DRAWN - VLM	REVISED -
PLOT SCALE = 50.0000' / IN.		CHECKED - GHT	REVISED -
PLOT DATE = 6/4/2009		DATE - 3/31/09	REVISED -

**KANE COUNTY  
DIVISION OF TRANSPORTATION**

**LIGHTING CONTROLLER  
DETAIL  
(TYPE CB-RCS 60A-240V)**

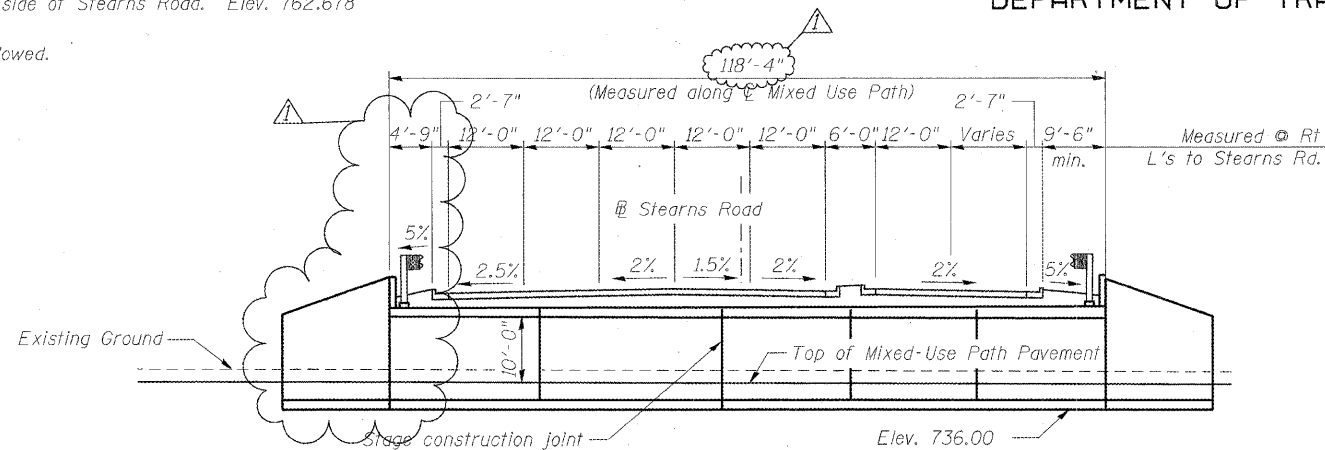
SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	F.A. RTE. 361	SECTION 06-00214-15-BR	COUNTY KANE/DUPAGE	TOTAL SHEETS 545	SHEET NO. 274
			FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT CONTRACT NO. 63074		

Benchmark BM-24:  
 "Aluminum Disk" set in concrete, 0.50± mile east of Stearns Road and Dunham Road at the south side of Stearns Road. Elev. 762.678  
 Existing Structure: None  
 Precast alternate is not allowed.

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

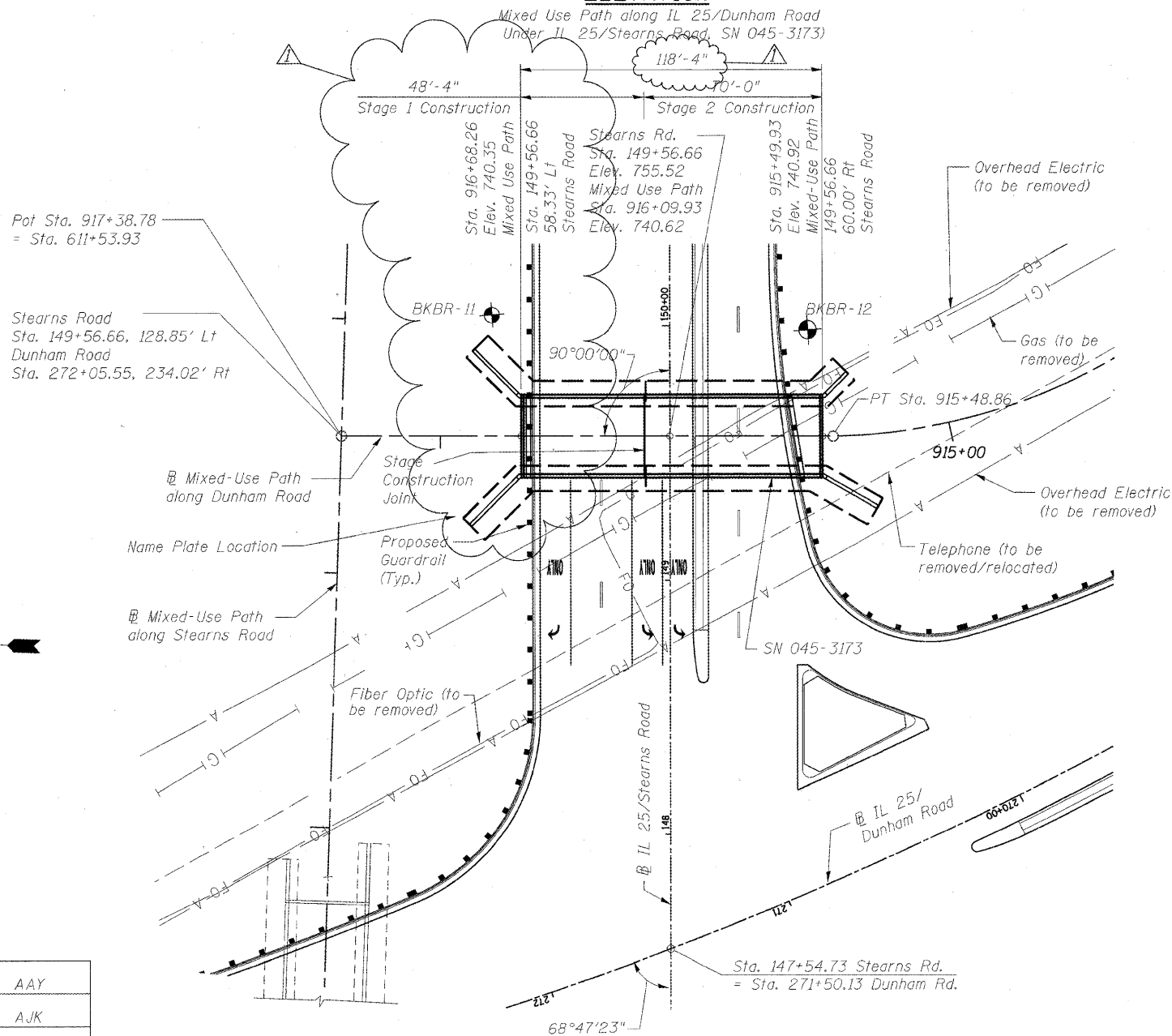
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	545	288
FED. ROAD DIST. NO. 7				
ILLINOIS FED. AID PROJECT				

Contract #63074



**ELEVATION**

Mixed Use Path along IL 25/Dunham Road  
 Under IL 25/Stearns Road, SN 045-3173



**GENERAL PLAN**

**LOADING HS-20**  
 Allow 50#/sq. ft. for future wearing surface.

**DESIGN SPECIFICATIONS**  
 AASHTO Standard Specifications for Highway Bridges, 17th edition

**DESIGN STRESSES**

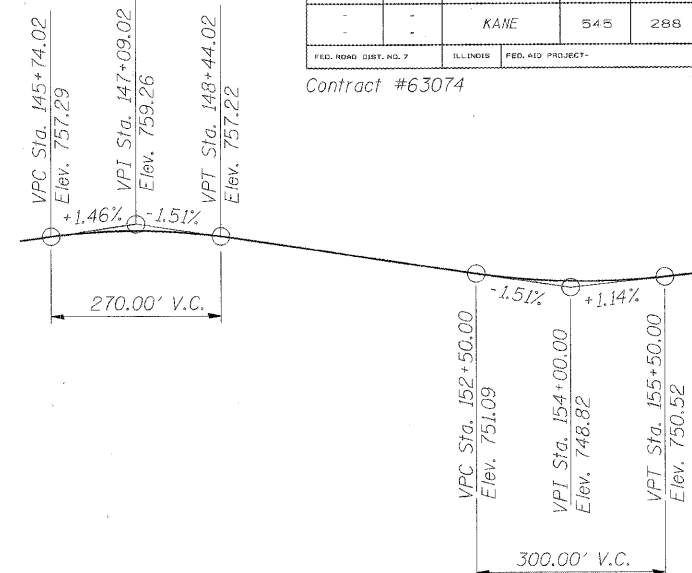
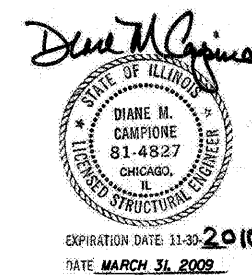
**FIELD UNITS**  
 $f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (Reinforcement)  
**MAXIMUM APPLIED BEARING PRESSURE**  
 3,000 psf

**SEISMIC DATA**

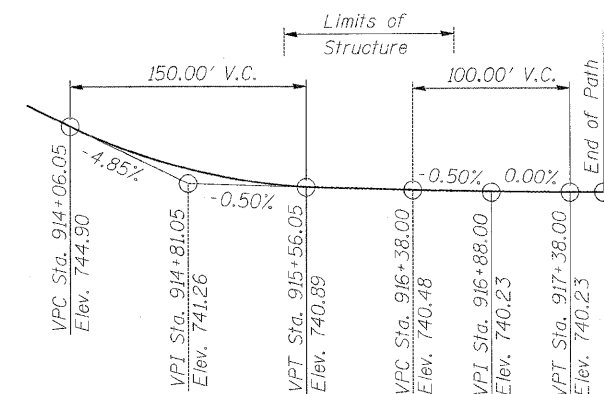
Seismic Performance Category (SPC) = A  
 Bedrock Acceleration Coefficient (A) = 0.037 g  
 Site Coefficient (S) = 1.0

STATION 916+09.93  
 BUILT 2011 BY  
 STATE OF ILLINOIS  
 LOADING HS-20  
 STRUCTURE NO. 045-3173

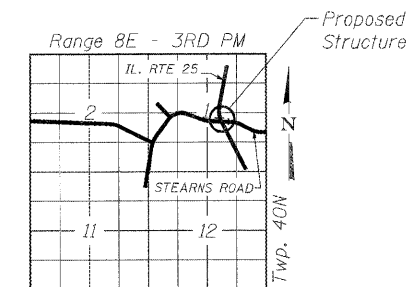
**NAME PLATE**  
 See std. 515001  
 See sheet SA-13 for location



**PROFILE GRADE**  
 (IL 25/Stearns Road)



**PROFILE GRADE**  
 Mixed-Use Path Along Dunham Road  
 (Under Stearns Road)



**LOCATION SKETCH**

**GENERAL PLAN AND ELEVATION**  
**MULTI-USE PATH UNDER**  
**IL 25/STEARNS ROAD**  
**F.A.P. 360 - SEC. 06-00214-15-BR**  
**KANE COUNTY**  
**STATION 916+09.93**  
**STRUCTURE NO. 045-3173**

DESIGNED	AAY
CHECKED	AJK
DRAWN	VH
CHECKED	HMA/DMC

▲ Addendum #1 - 6/5/09

**benesch**  
 alfred benesch & company  
 Engineers • Surveyors • Planners  
 205 North Michigan Avenue, Suite 2400  
 Chicago, Illinois 60601  
 312-665-0460  
 Job # 3944

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	-	KANE	545	289
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET SA- 2  
OF 14 SHEETS

Contract #63074

INDEX OF DRAWINGS

SA - 1 of 14	General Plan and Elevation
SA - 2 of 14	General Notes, Index of Sheets and Total Bill of Material
SA - 3 of 14	Foundation Plan and Reinforcement
SA - 4 of 14	Top Slab Reinforcement
SA - 5 of 14	Plan and Elevation West Wall
SA - 6 of 14	Plan and Elevation East Wall
SA - 7 of 14	Wall Reinforcement
SA - 8 of 14	Wingwall Details Stage 1
SA - 9 of 14	Wingwall Details Stage 2
SA - 10 of 14	Drainage Details
SA - 11 of 14	Bar Splicer Details
SA - 12 of 14	Rail Details
SA - 13 of 14	Architectural Treatment
SA - 14 of 14	Soil Boring Logs

TOTAL BILL OF MATERIAL

PAY ITEM	UNIT	STAGE 1	STAGE 2	TOTAL
Porous Granular Embankment	Cu. Yd.	546	686	1,232
Structure Excavation	Cu. Yd.	890	991	1,881
Concrete Structures	Cu. Yd.	360.7	453.7	814.4
* Form Liner Textured Surface (Special)	Sq. Ft.	1,489	1,766	3,255
Reinforcement Bars, Epoxy Coated	Pound	64,830	83,470	148,300
Bar Splicers	Each	191		191
Name Plates	Each	1		1
Geocomposite Wall Drain	Sq. Yd.	215	270	485
* Pipe Underdrains for Structures 4"	Foot.	174	196	370
* Graffiti Removal (Special)	Sq. Yd.	162	234	396
* Anti-Graffiti Coating	Sq. Ft.	1,668	1,946	3,614
* Steel Railing (Special)	Foot	89	73	162
* Architectural Lettering	L. Sum	0.25	0.25	0.5

\* See Special Provisions

GENERAL NOTES

- Reinforcement bars shall conform to the requirements of ASTM A706 Gr. 60. See Special Provision.
- Reinforcement bars designated (E) shall be epoxy coated.
- All exposed concrete edges shall have a 3/4" x 45 deg. Chamfer, except where shown otherwise. Chamfer on vertical edges shall be continued a minimum of one foot below finished ground level.
- Reinforcement bending details shall be in accordance with the latest Manual of Standard Practice for Detailing Reinforced Concrete Structures, ACI 315.
- Reinforcement bar bending dimensions are out to out.
- Cover from face of concrete to face of reinforcement bars shall be 3 inches for surfaces cast against earth and 2 inches for all other surfaces unless otherwise shown.
- The cost of Water Seals and PJF is included in the cost of Concrete Structures unless noted otherwise.
- Backfill shall be placed simultaneously against both side walls of the structure. The maximum differential in fill height on either side shall be two feet.
- Reinforcement bar lap splices shall be Class C. Top bars so placed that more than 12 inches of concrete is cast below the reinforcement shall be lapped for 1.4 x basic lap. Reinforcement bar splices shall be in accordance with the following table unless shown otherwise on the drawing.

Bar Size	Basic Lap	1.4 Basic Lap
#4	1'-8"	2'-5"
#5	2'-2"	3'-0"
#6	2'-7"	3'-7"
#7	3'-5"	4'-10"
#8	4'-6"	6'-4"
#9	5'-9"	8'-1"
#10	7'-3"	10'-3"
#11	9'-0"	12'-7"

**GENERAL NOTES, INDEX OF SHEETS  
AND TOTAL BILL OF MATERIAL  
MULTI-USE PATH UNDER  
IL 25/STEARNS ROAD  
F.A.P. 360 - SEC. 06-00214-15-BR  
KANE COUNTY  
STATION 916+09.93  
STRUCTURE NO. 045-3173**

DESIGNED	AAY
CHECKED	AJK
DRAWN	VH
CHECKED	HMA/DMC

▲ Addendum #1 - 6/5/09

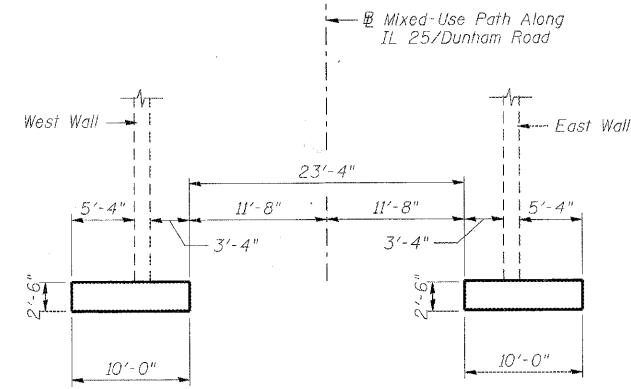
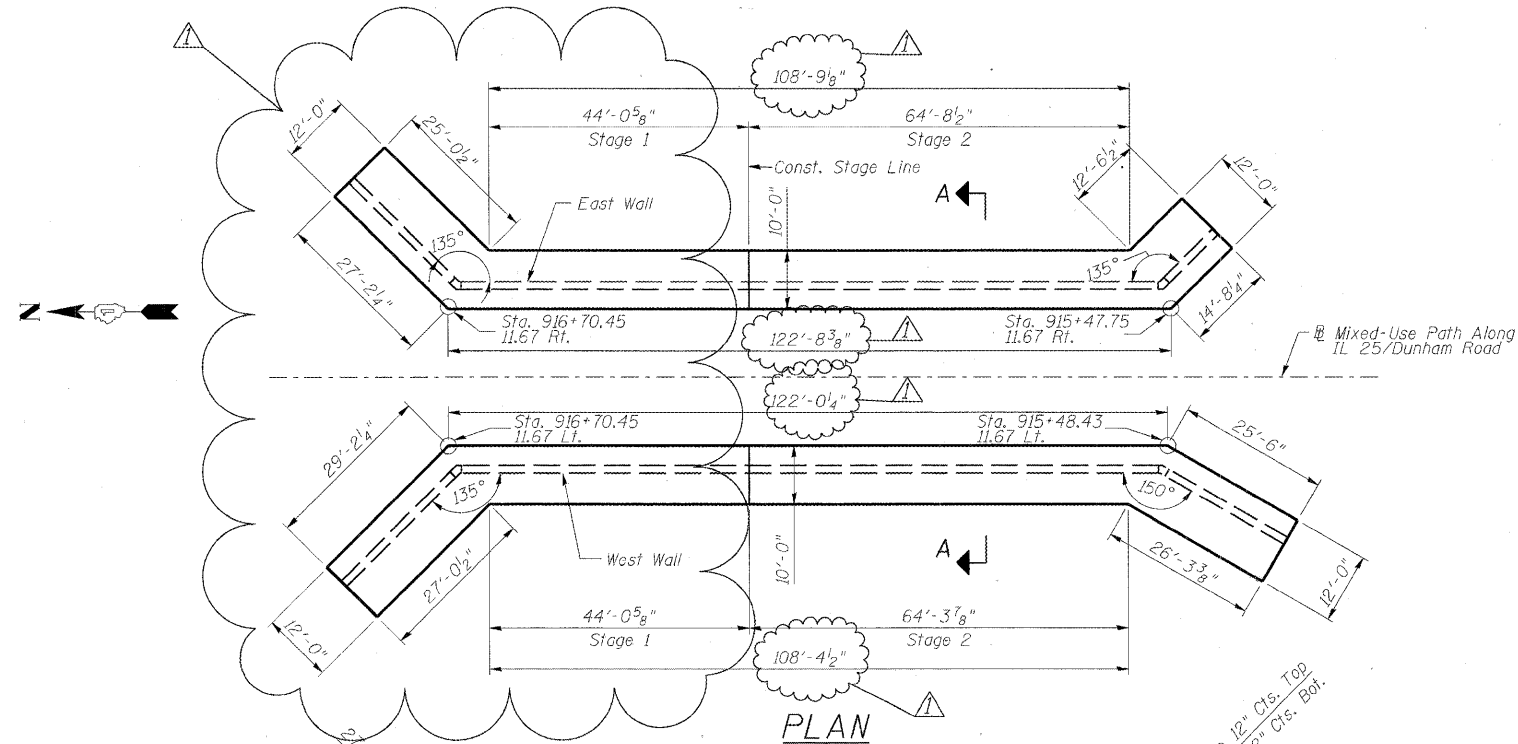
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Chicago, Illinois 60601  
312-565-0450  
Job # 3944

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET SA- 3 OF 14 SHEETS
-	-	KANE	545	290	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract #63074



SECTION A-A

**BILL OF MATERIAL**

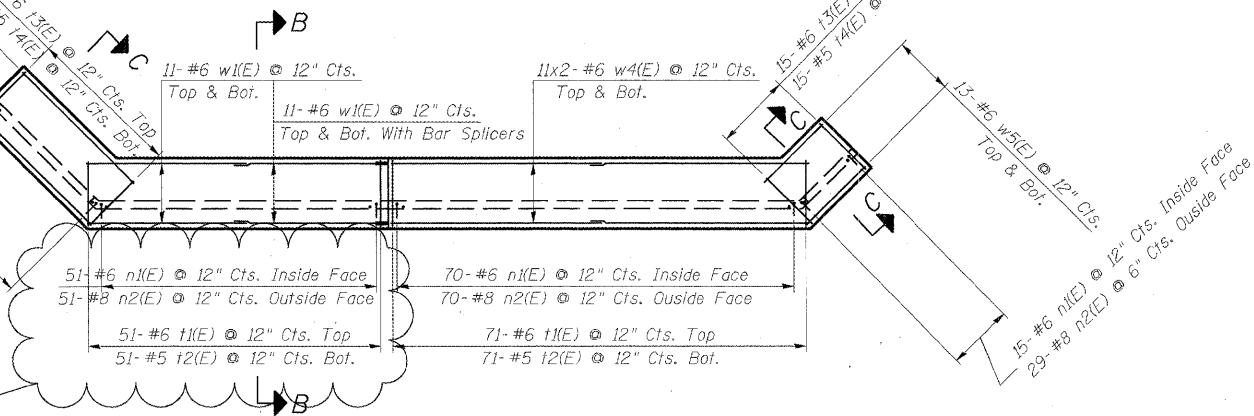
(Stage 1 Construction)

Bar	No.	Size	Length	Shape
n1(E)	157	#6	4'-10"	—
n2(E)	210	#8	9'-7"	—
t1(E)	102	#6	9'-8"	—
t2(E)	102	#5	9'-8"	—
t3(E)	55	#6	11'-8"	—
t4(E)	55	#5	11'-8"	—
w1(E)	88	#6	26'-9"	—
w2(E)	26	#6	28'-11"	—
w3(E)	26	#6	28'-11"	—
Concrete Structures	Cu. Yd.		148.3	
Reinforcement Bars, Epoxy Coated	Pound		16,370	
Bar Splicers	Each		44	

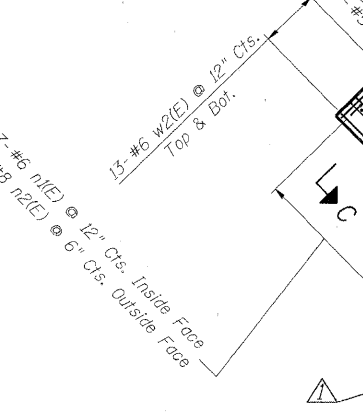
**BILL OF MATERIAL**

(Stage 2 Construction)

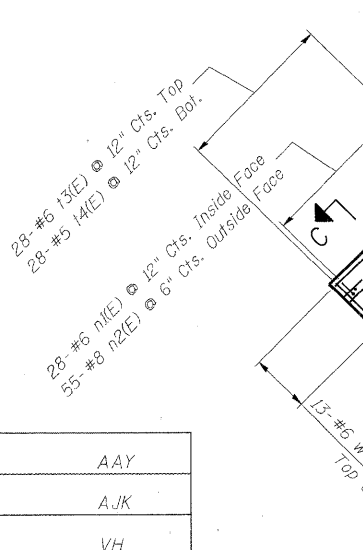
Bar	No.	Size	Length	Shape
n1(E)	181	#6	4'-10"	—
n2(E)	220	#8	9'-7"	—
t1(E)	142	#6	9'-8"	—
t2(E)	142	#5	9'-8"	—
t3(E)	41	#6	11'-8"	—
t4(E)	41	#5	11'-8"	—
w4(E)	88	#6	37'-3"	—
w5(E)	26	#6	14'-4"	—
w6(E)	26	#6	25'-2"	—
Concrete Structures	Cu. Yd.		169.7	
Reinforcement Bars, Epoxy Coated	Pound		18,130	



REINFORCEMENT PLAN - EAST WALL FOOTING

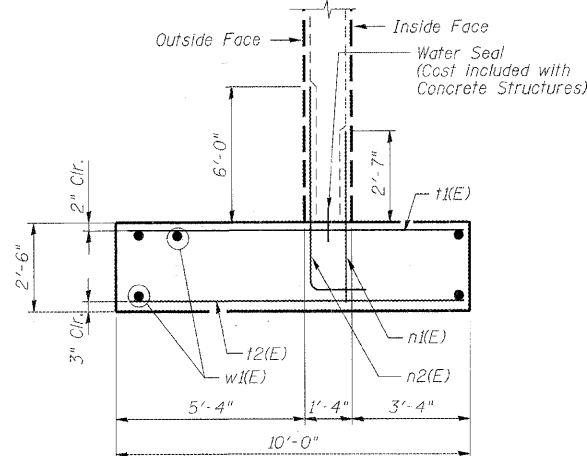


REINFORCEMENT PLAN - WEST WALL FOOTING

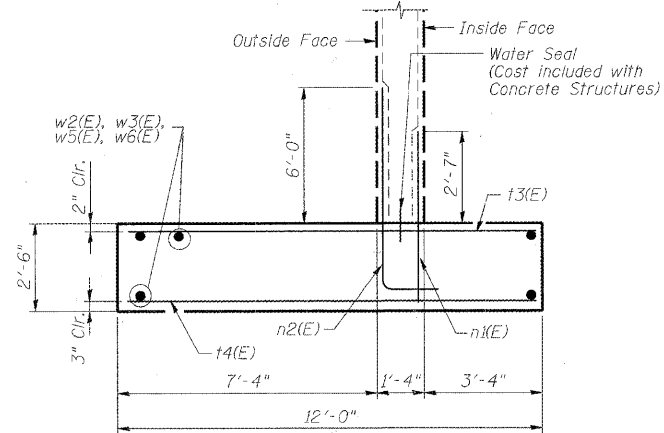


DESIGNED	AAY
CHECKED	AJK
DRAWN	VH
CHECKED	HMA/DMC

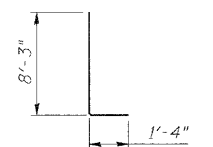
▲ Addendum #1 - 6/5/09



SECTION B-B



SECTION C-C



BAR n2(E)

**NOTES:**

1. Stations and offsets are measured with respect to Mixed-Use Path along IL 25/ Dunham Road
2. Bars indicated thus 13x8-#6 etc. indicates 13 lines of bars with 8 lengths per line.
3. Maximum Applied Bearing Pressure is 3000 psf.
4. 1" Conduit through footing at north end of Stage 1. See Lighting Plans.

**FOUNDATION PLAN AND REINFORCEMENT**

**MULTI-USE PATH UNDER**

**IL 25/STEARNS ROAD**

F.A.P. 360 - SEC. 06-00214-15-BR

KANE COUNTY

STATION 916+09.93

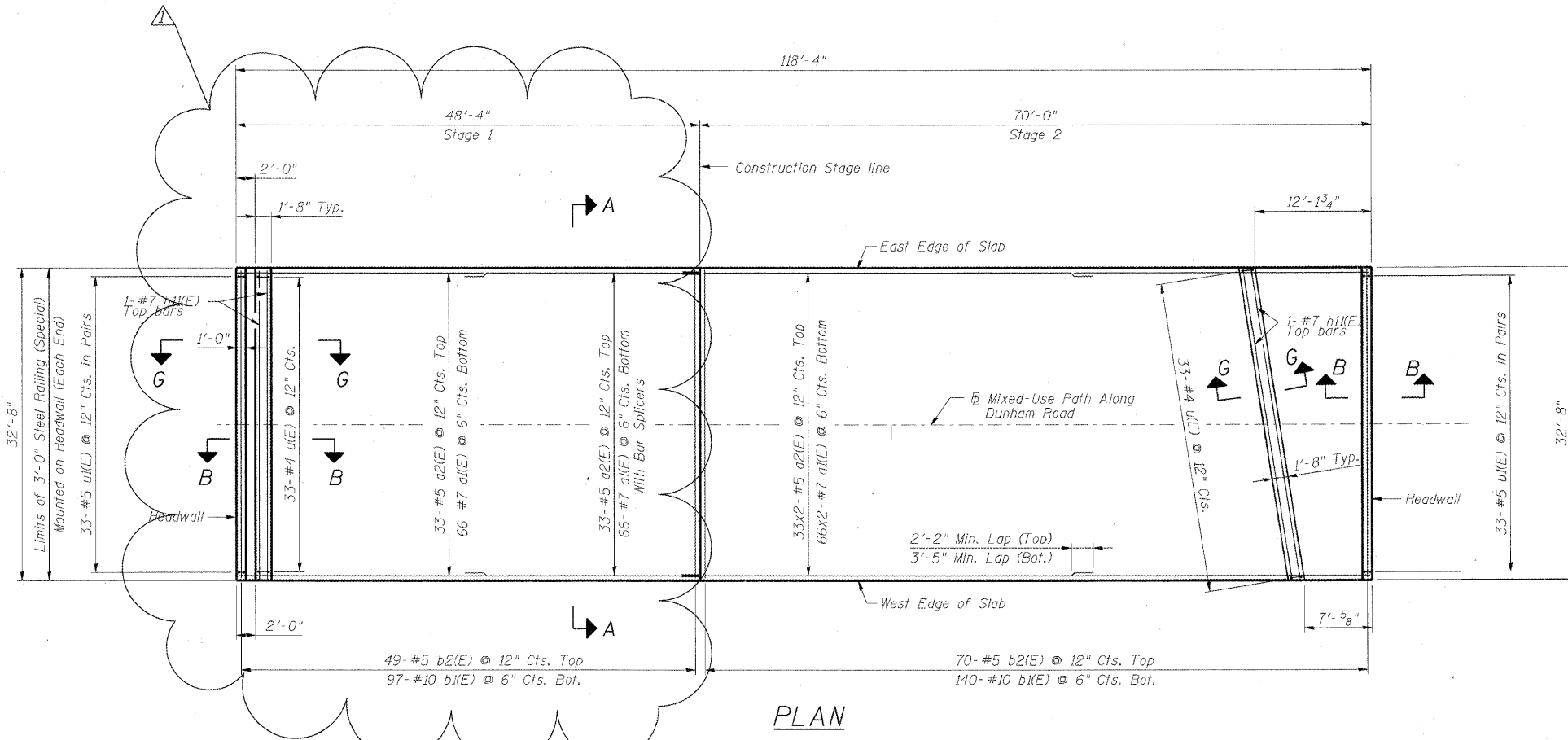
STRUCTURE NO. 045-3173

**benesch**  
alfred benesch & company  
Engineers • Surveyors • Planners  
205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-565-0450  
Job # 3944

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET SA- 4 OF 14 SHEETS
-	-	KANE	545	291	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-		

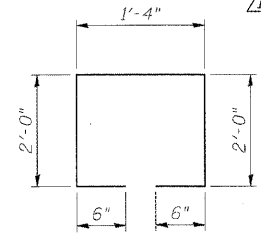
Contract #63074



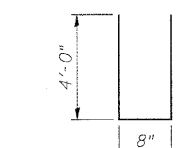
PLAN

**BILL OF MATERIAL**  
(Stage 1 Construction)

Bar	No.	Size	Length	Shape
a1(E)	132	#7	28'-0"	—
a2(E)	66	#5	25'-3"	—
b1(E)	97	#10	32'-4"	—
b2(E)	49	#5	32'-4"	—
d3(E)	8	#6	32'-4"	—
h1(E)	2	#7	32'-4"	—
u(E)	33	#4	6'-4"	□
u1(E)	66	#5	8'-8"	□
Concrete Structures			Cu. Yd.	121.2
Reinforcement Bars, Epoxy Coated			Pound	25,700
Bar Splicers			Each	99



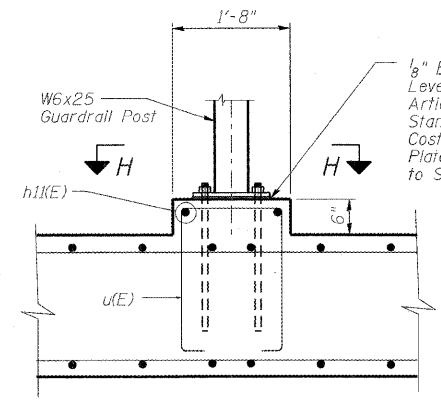
BAR u(E)



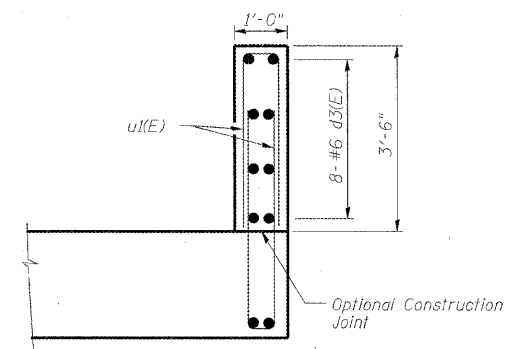
BAR u1(E)

**BILL OF MATERIAL**  
(Stage 2 Construction)

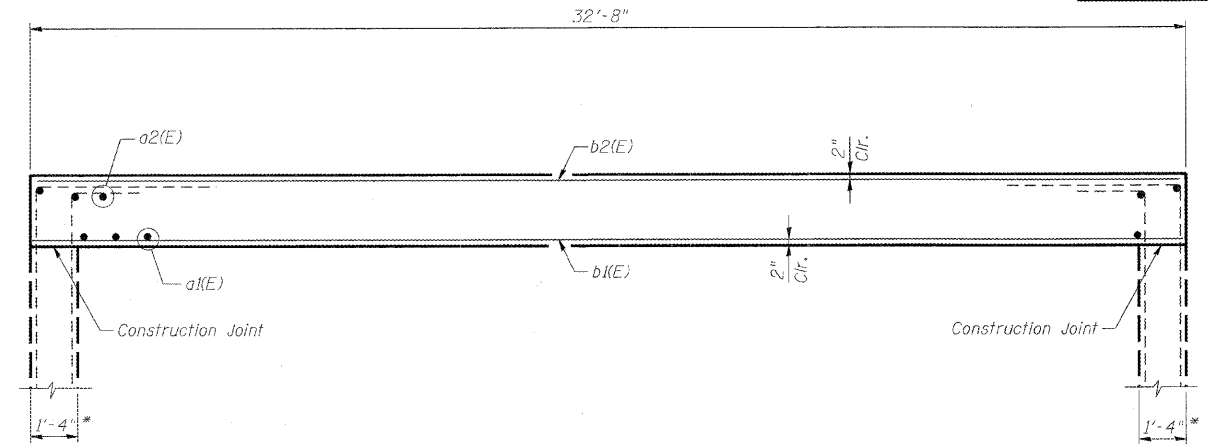
Bar	No.	Size	Length	Shape
a1(E)	132	#7	36'-9"	—
a2(E)	66	#5	36'-0"	—
b1(E)	140	#10	32'-4"	—
b2(E)	70	#5	32'-4"	—
d3(E)	8	#6	32'-4"	—
h1(E)	2	#7	32'-4"	—
u(E)	33	#4	6'-4"	□
u1(E)	66	#5	8'-8"	□
Concrete Structures			Cu. Yd.	173.7
Reinforcement Bars, Epoxy Coated			Pound	35,490



SECTION G-G

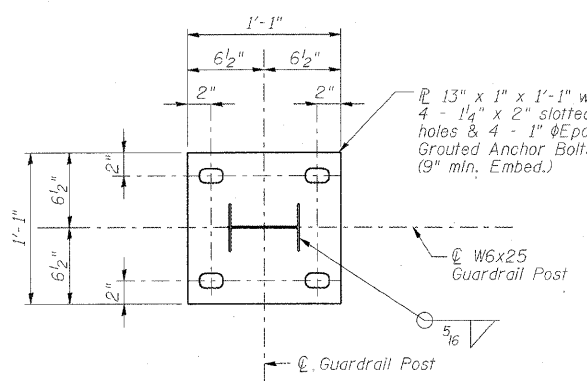


SECTION B-B



SECTION A-A

\* Dimension does not include additional thickness required for architectural treatment



SECTION H-H

DESIGNED	AAV
CHECKED	AJK
DRAWN	VH
CHECKED	HMA/DMC

▲ Addendum #1 - 6/5/09

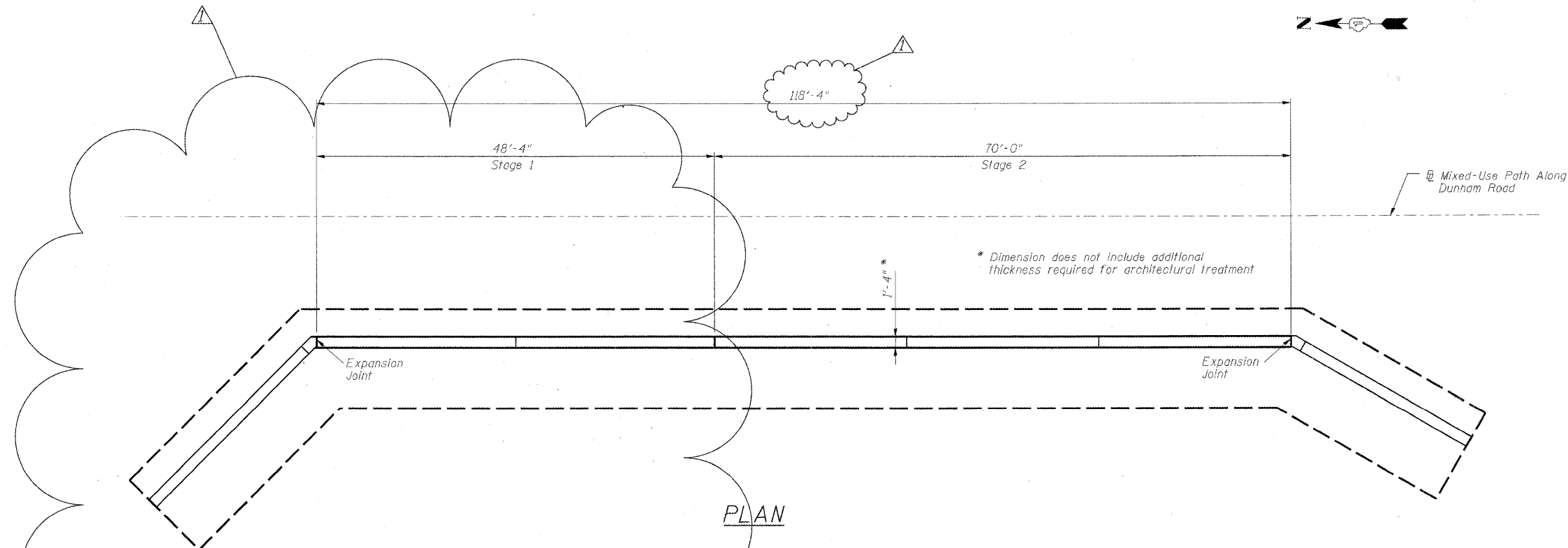
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Job # 3944

**TOP SLAB REINFORCEMENT**  
**MULTI-USE PATH UNDER**  
**IL 25/STEARNS ROAD**  
**F.A.P. 360 - SEC. 06-00214-15-BR**  
**KANE COUNTY**  
**STATION 916+09.93**  
**STRUCTURE NO. 045-3173**

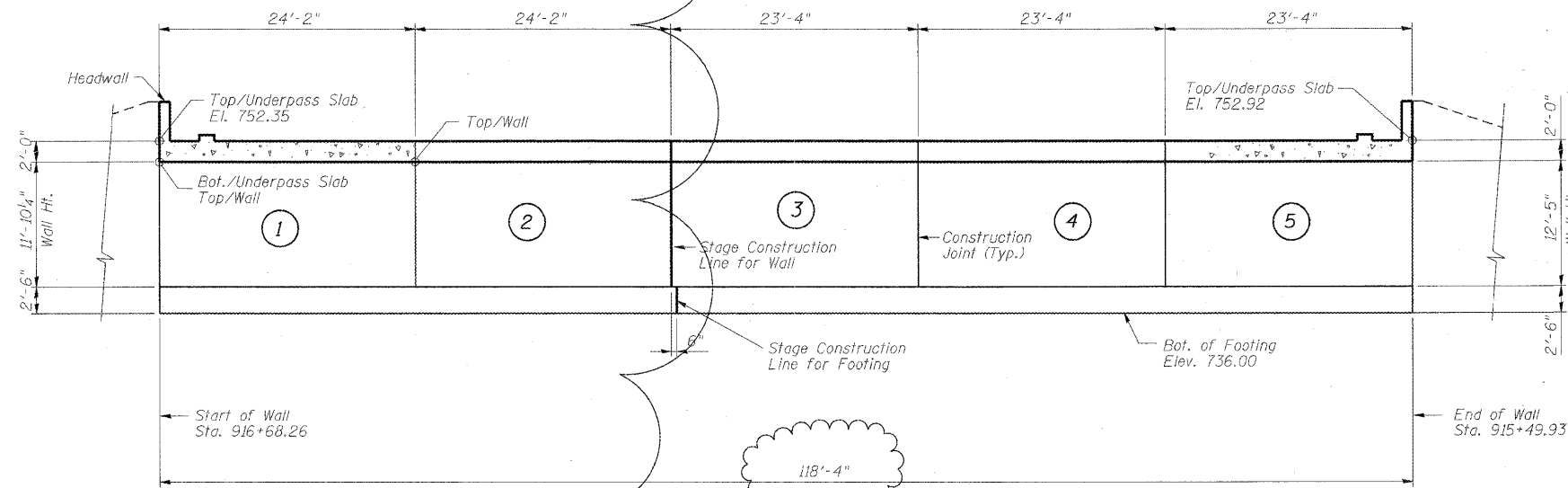
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET SA- 5 OF 14 SHEETS
-	-	KANE	545	292	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. ROAD PROJECT		

Contract #63074



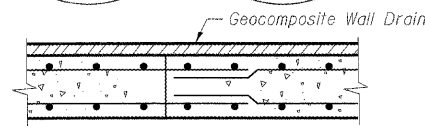
PLAN



ELEVATION

TOP/WALL ELEVATIONS

Location	Station	Elevation
Start of Wall	915+68.26	750.35
Between Panels 1 & 2	915+44.10	750.45
Stage Construction Joint	915+19.93	750.57
Between Panels 3 & 4	915+96.60	750.69
Between Panels 4 & 5	915+73.27	750.80
End of Wall	915+49.93	750.92



CONSTRUCTION JOINT

NOTES:

- Stations and offsets are measured with respect to Mixed-Use Path along IL 25/Dunham Road
- For reinforcement details of West Wall Panels see sheet SA-7.

DESIGNED	AAY
CHECKED	AJK
DRAWN	VH
CHECKED	HMA/DMC

▲ Addendum #1 - 6/5/09

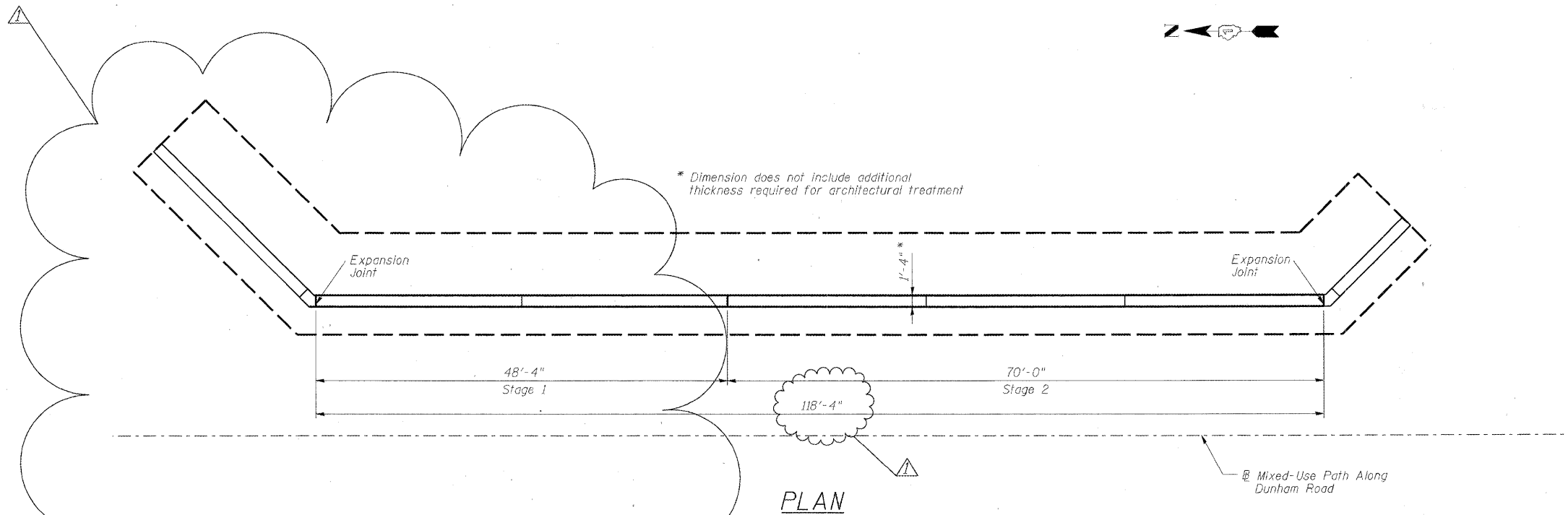
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312-965-0450  
Job # 3944

**PLAN & ELEVATION WEST WALL  
MULTI-USE PATH UNDER  
IL 25/STEARNS ROAD  
F.A.P. 360 - SEC. 06-00214-15-BR  
KANE COUNTY  
STATION 916+09.93  
STRUCTURE NO. 045-3173**

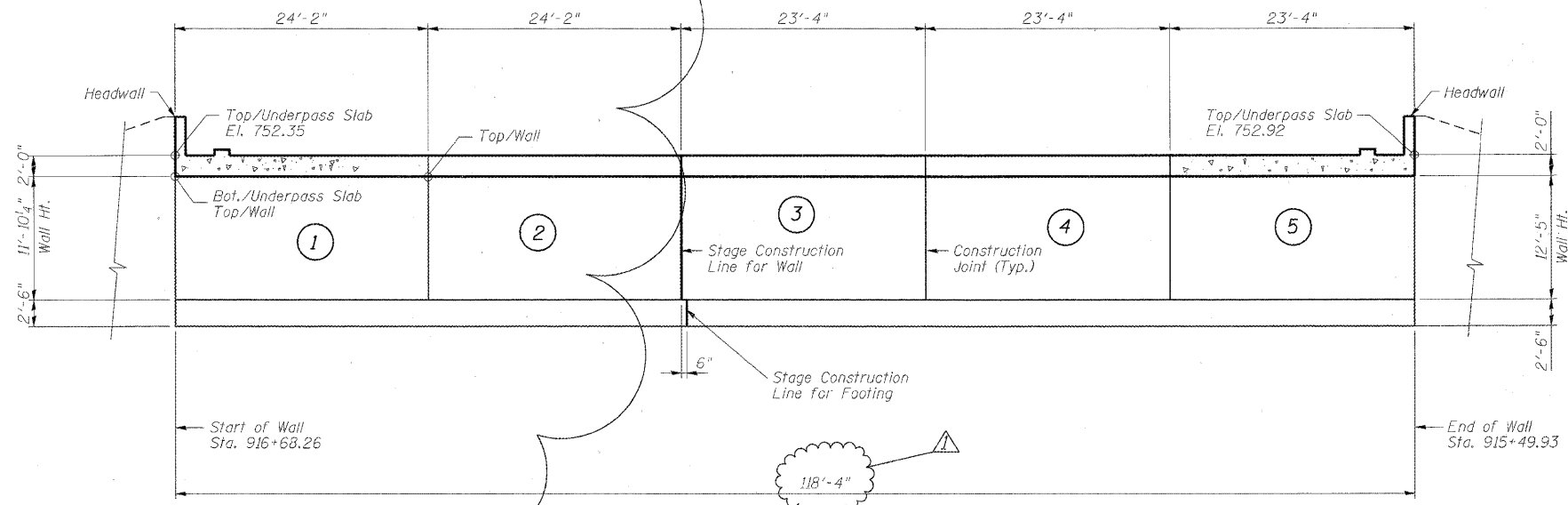
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET SA- 6 OF 14 SHEETS
-	-	KANE	545	293	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-		

Contract #63074



PLAN



ELEVATION

TOP/WALL ELEVATIONS

Location	Station	Elevation
Start of Wall	916+68.26	750.35
Between Panels 1 & 2	916+44.10	750.45
Stage Construction Joint	916+19.93	750.57
Between Panels 3 & 4	915+96.60	750.69
Between Panels 4 & 5	915+73.27	750.80
End of Wall	915+49.93	750.92

NOTES:

1. Stations and offsets are measured with respect to Mixed-Use Path along IL 25/Dunham Road
2. For reinforcement details of East Wall Panels, see sheet SA-7.
3. For Construction Joint detail see sheet SA-5.

DESIGNED	AAY
CHECKED	AJK
DRAWN	VH
CHECKED	HMA/DMC

Addendum #1 - 6/5/09

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Job # 3944

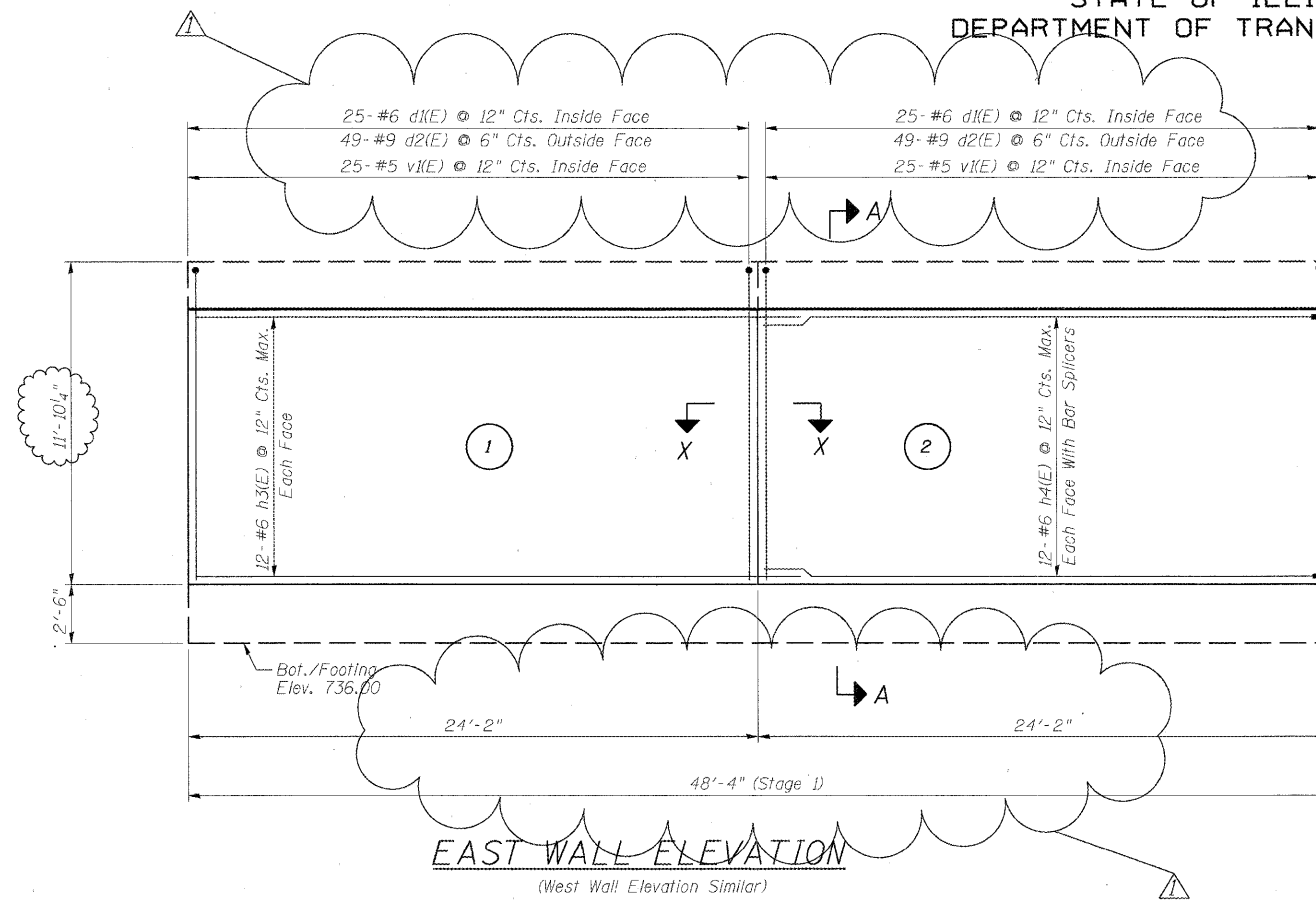
**PLAN & ELEVATION EAST WALL**  
**MULTI-USE PATH UNDER**  
**IL 25/STEARNS ROAD**  
**F.A.P. 360 - SEC. 06-00214-15-BR**  
**KANE COUNTY**  
**STATION 916+09.93**  
**STRUCTURE NO. 045-3173**



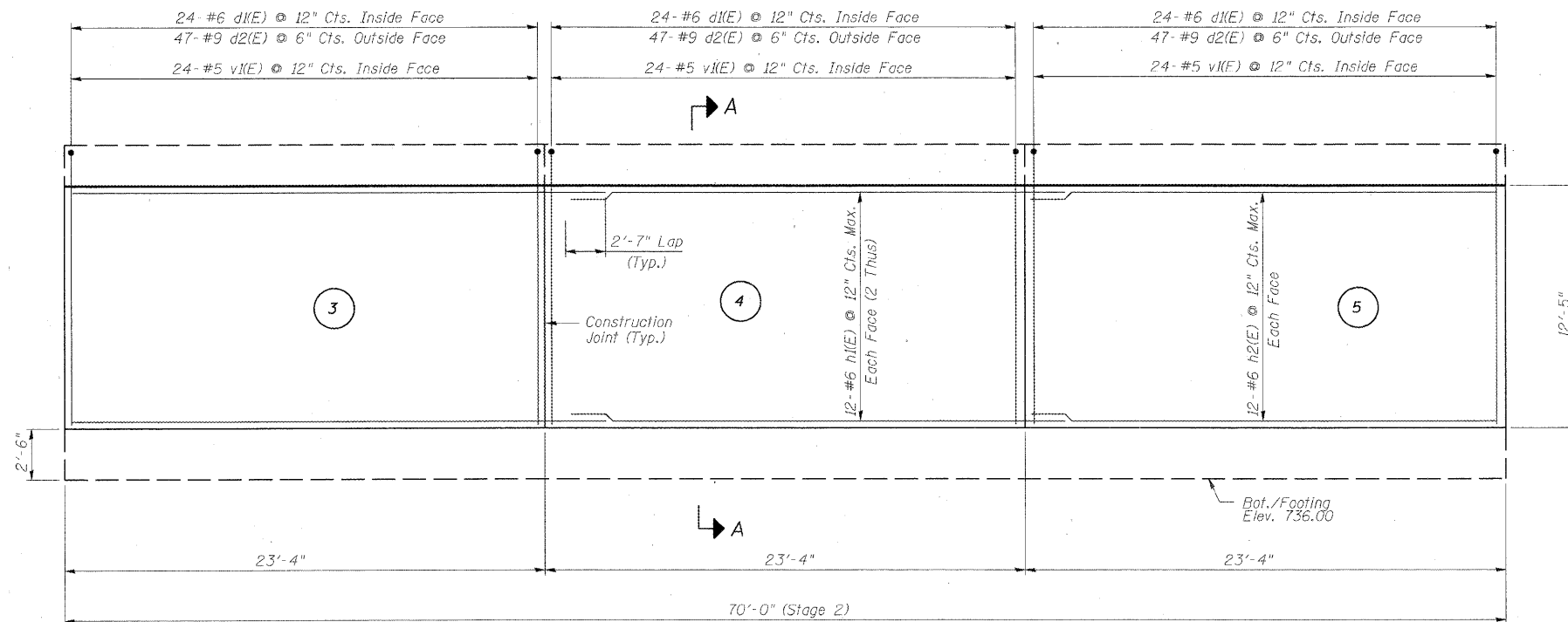
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET 5A-7
-	-	KANE	545	294	OF 14 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract #63074



**EAST WALL ELEVATION**  
(West Wall Elevation Similar)



**EAST WALL ELEVATION**  
(West Wall Elevation Similar)

DESIGNED	AAY
CHECKED	AJK
DRAWN	VH
CHECKED	HMA/DMC

▲ Addendum #1 - 6/5/09

**BILL OF MATERIAL**

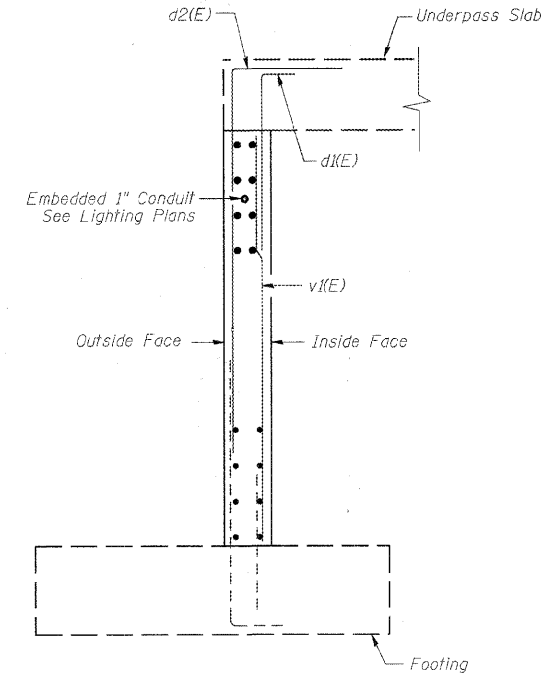
(Stage 1 Construction - East & West Walls)

Bar	No.	Size	Length	Shape	
d1(E)	100	#6	7'-0"	┌	
d2(E)	196	#9	18'-6"	┌	
h3(E)	48	#6	26'-9"	—	
h4(E)	48	#6	24'-0"	—	
v1(E)	100	#5	11'-6"	—	
Concrete Structures				Cu. Yd.	57.1
Reinforcement Bars, Epoxy Coated				Pound	18,240
Bar Splicers				Each	48

**BILL OF MATERIAL**

(Stage 2 Construction - East & West Walls)

Bar	No.	Size	Length	Shape	
d1(E)	144	#6	7'-0"	┌	
d2(E)	282	#9	18'-6"	┌	
h1(E)	96	#6	25'-11"	—	
h2(E)	48	#6	23'-0"	—	
v1(E)	144	#5	11'-6"	—	
Concrete Structures				Cu. Yd.	84.7
Reinforcement Bars, Epoxy Coated				Pound	26,380

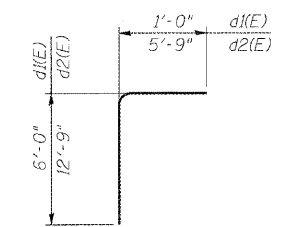


**SECTION A-A**

**Notes:**

1. Stations and offsets are measured with respect to Mixed-Use Path along IL 25/Dunham Road.
2. (1) Denotes panel number.
3. For Section X-X see sheet SA-5.

**BARS d1(E) & d2(E)**



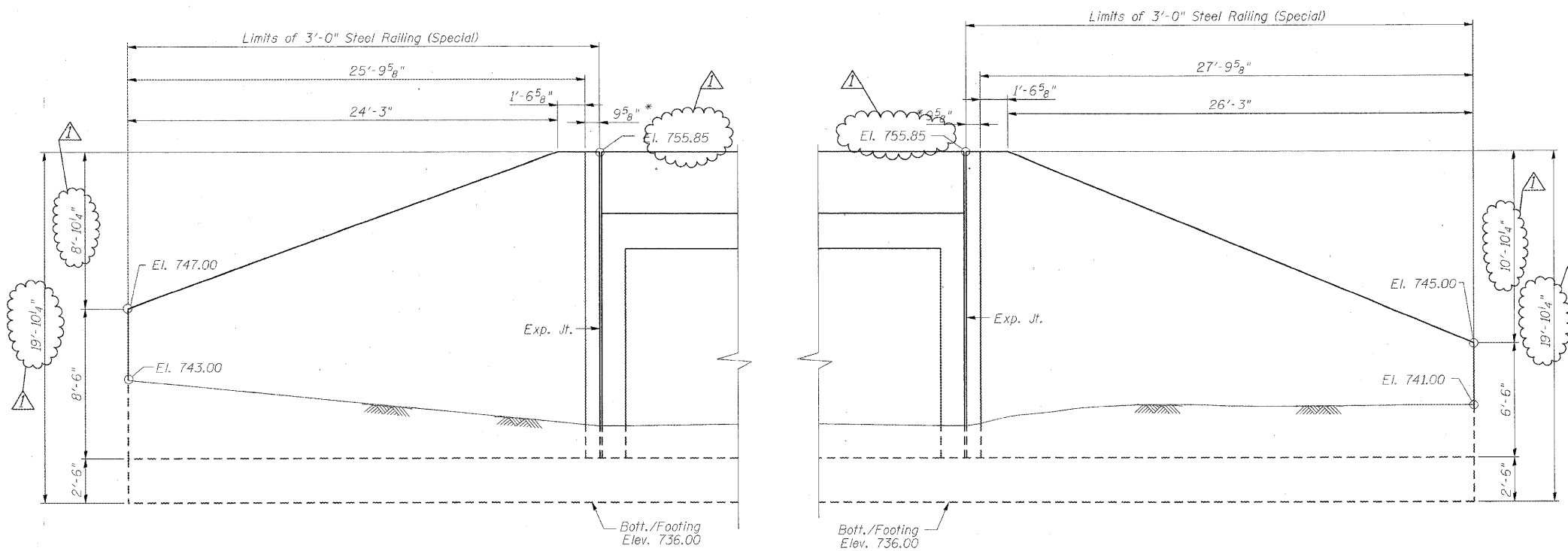
**WALL REINFORCEMENT**  
**MULTI-USE PATH UNDER**  
**IL 25/STEARNS ROAD**  
**F.A.P. 360 - SEC. 06-00214-15-BR**  
**KANE COUNTY**  
**STATION 916+09.93**  
**STRUCTURE NO. 045-3173**

**benesch**  
alfred benesch & company  
Engineers • Surveyors • Planners  
205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-565-0450  
Job # 3944

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	POST MILES	SHEET NO.	SHEET TOTAL
-	-	KANE	545	295	OF 14 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-		

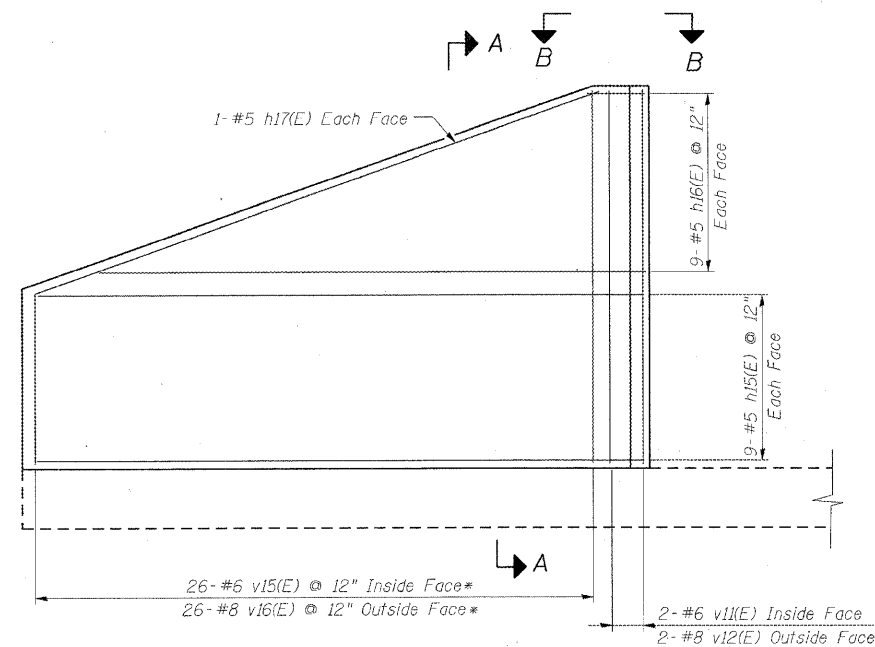
Contract #63074



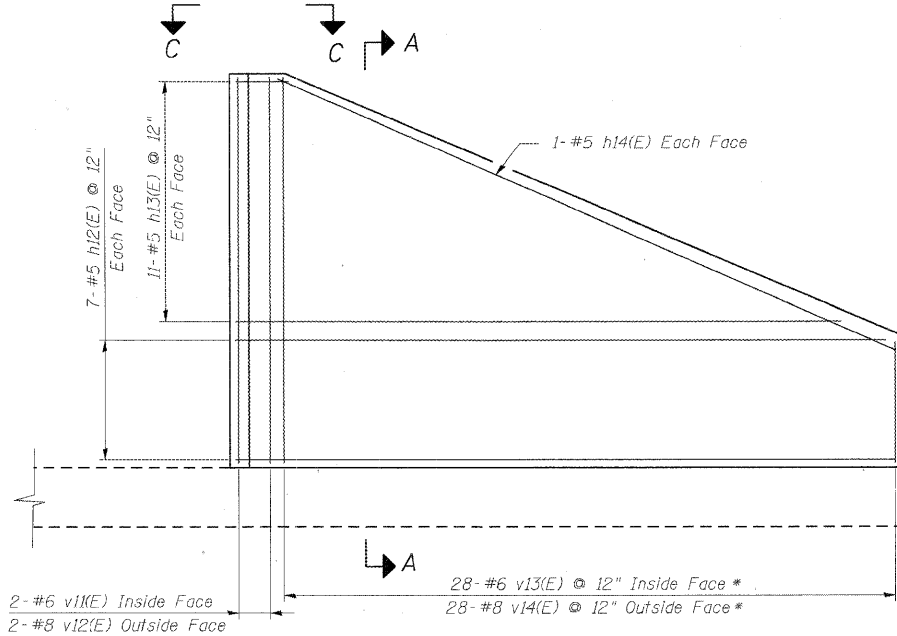
WINGWALL ELEVATION  
(North East Wingwall)

WINGWALL ELEVATION  
(North West Wingwall)

\* Measured along inside face Parallel to Mixed Use path along Dunham Road



REINFORCEMENT ELEVATION  
(North East Wingwall)

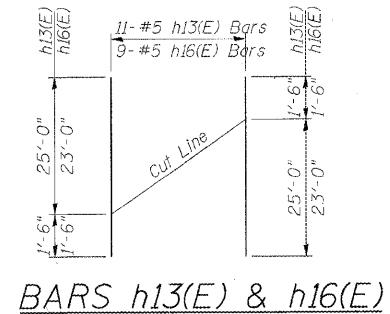


REINFORCEMENT ELEVATION  
(North West Wingwall)

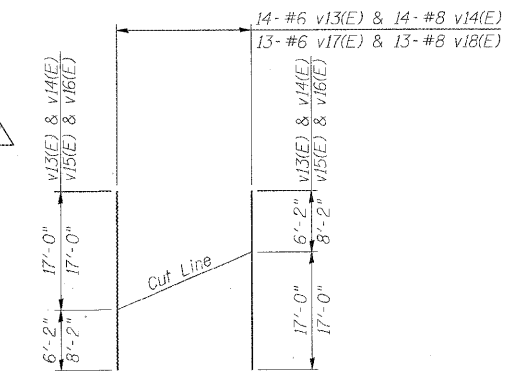
\* See cutting diagram

NOTES:

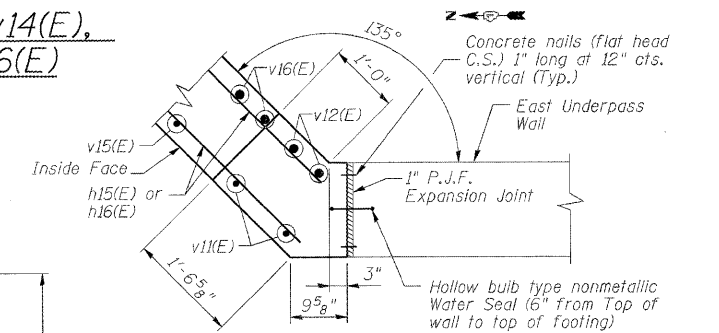
- For Wingwall Footing layout see sheet SA-3.
- Form liner architectural treatment to be applied to Inside face of wingwalls.



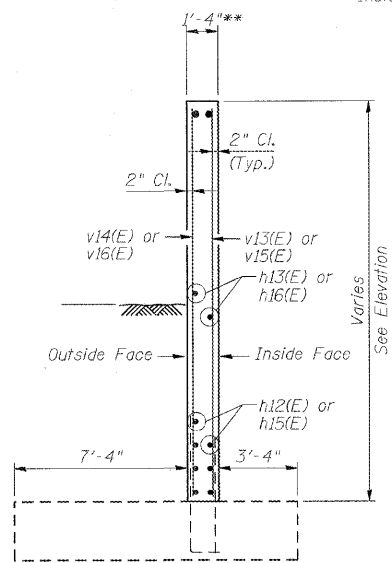
BARS h13(E) & h16(E)



BARS v13(E), v14(E), v15(E) & v16(E)

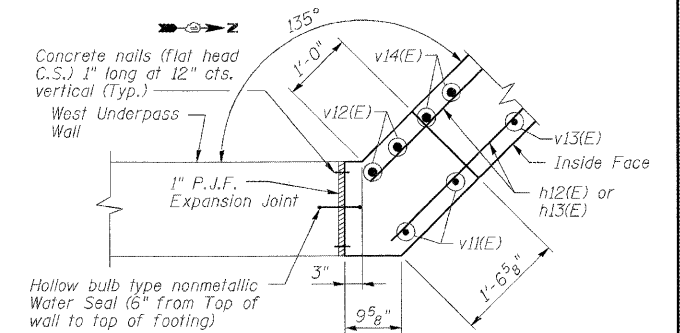


SECTION B-B



SECTION A-A

\*\* Dimension does not include additional thickness required for architectural treatment



SECTION C-C

WINGWALL DETAILS - STAGE I  
MULTI-USE PATH UNDER  
IL 25/STEARNS ROAD  
F.A.P. 360 - SEC. 06-00214-15-BR  
KANE COUNTY  
STATION 916+09.93  
STRUCTURE NO. 045-3173

DESIGNED	AAY
CHECKED	AJK
DRAWN	VH
CHECKED	HMA/DMC

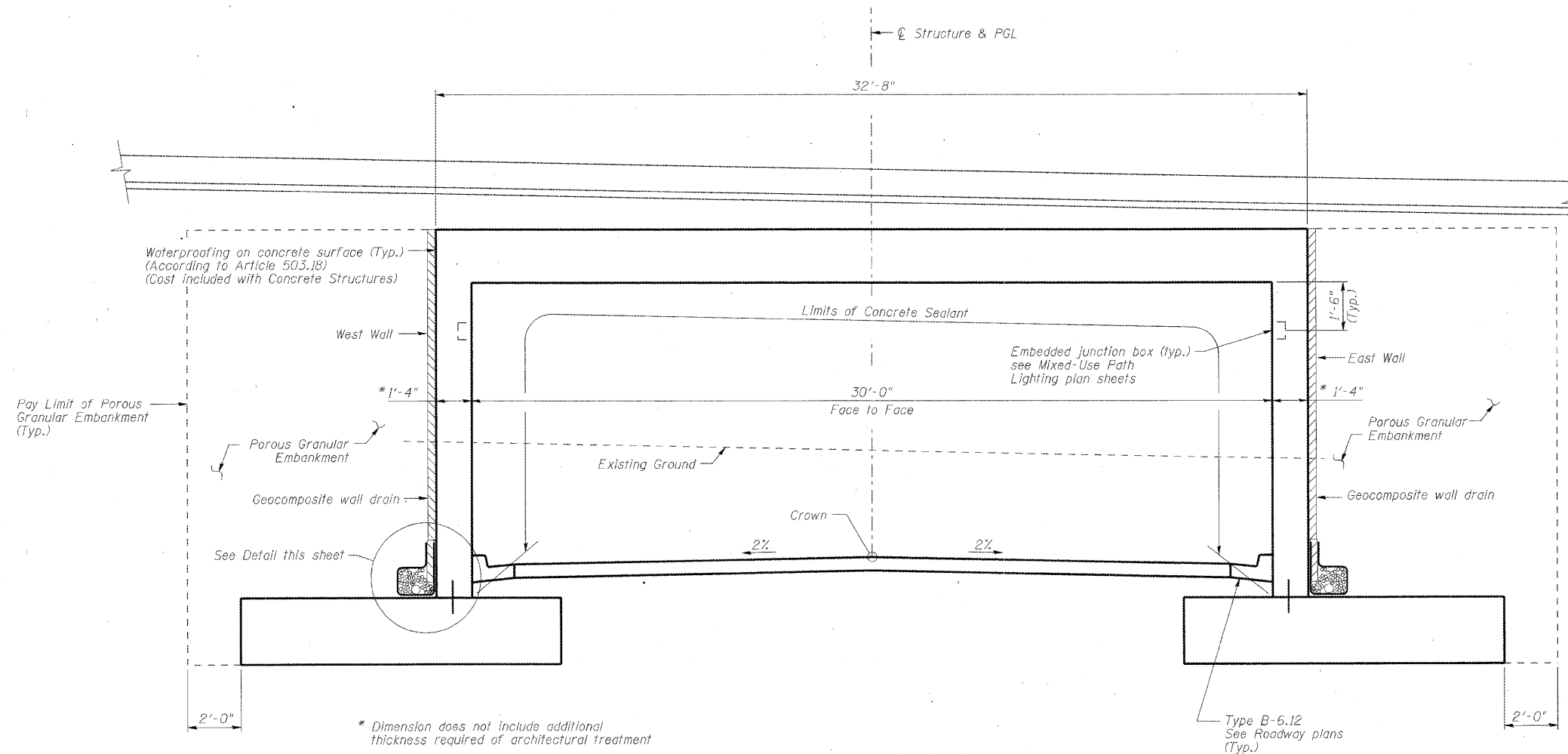
△ Addendum #1 - 6/5/09

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Chicago, Illinois 60601  
312-565-0450  
Job # 3944

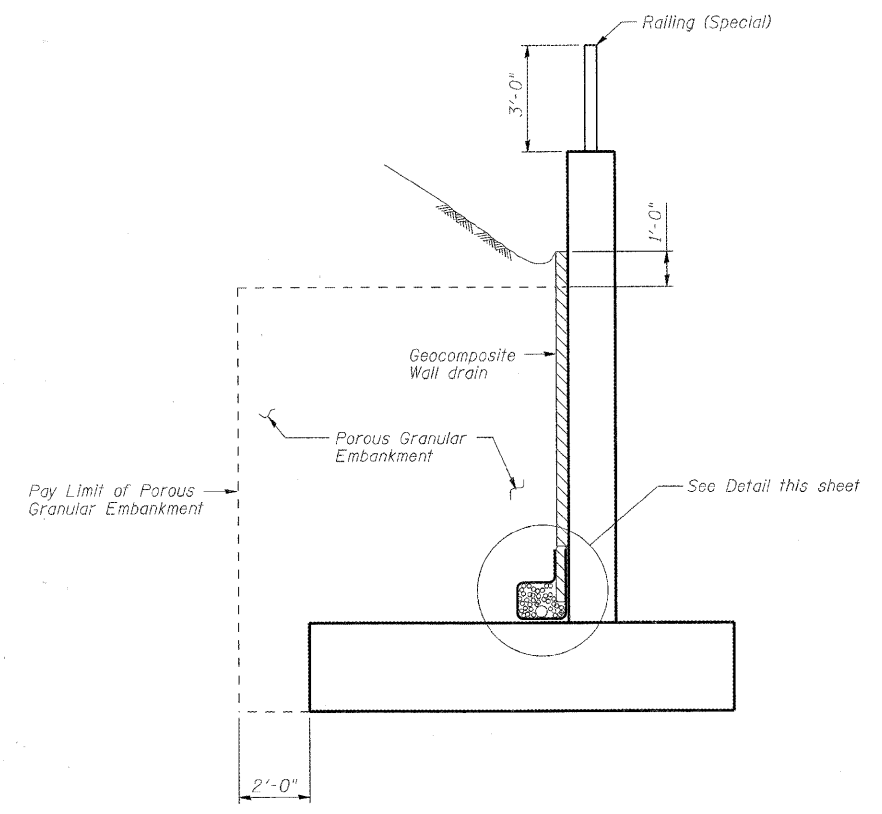
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET SA- 10 OF 14 SHEETS
		KANE	545	297	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		

Contract #63074



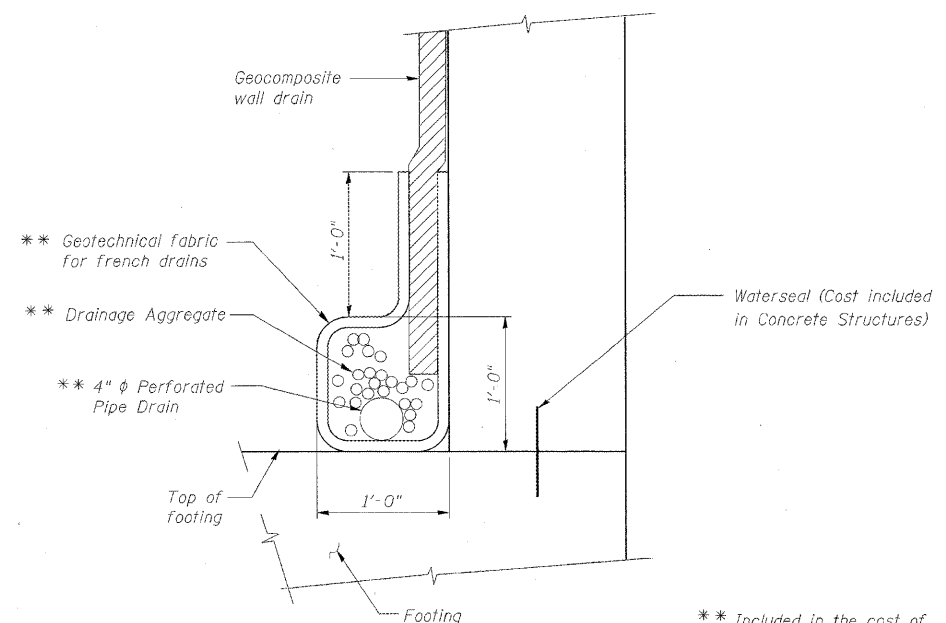
**TYPICAL SECTION**  
(Looking North)



**TYPICAL WINGWALL SECTION**

**BILL OF MATERIAL**

Item	Unit	Stage 1	Stage 2
Geocomposite Wall Drain	Sq. Yd.	215	270
Porous Granular Embankment	Cu. Yd.	546	686
Pipe Underdrains For Structures 4"	Foot	174	196



**PIPE UNDERDRAIN DETAIL**

DESIGNED	AAY
CHECKED	AJK
DRAWN	VH
CHECKED	HMA/DMC

△ Addendum #1 - 6/5/09

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Job # 3944

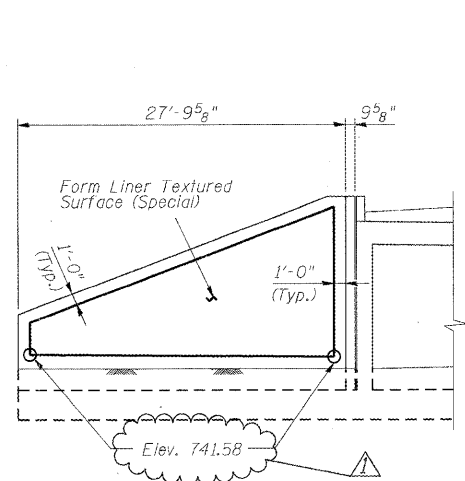
**DRAINAGE DETAILS**  
**MULTI-USE PATH UNDER**  
**IL 25/STEARNS ROAD**  
**F.A.P. 360 - SEC. 06-00214-15-BR**  
**KANE COUNTY**  
**STATION 916+09.93**  
**STRUCTURE NO. 045-3173**

x:\3900s\3944\engineering\documents\Dunham\_Path\_under\_Stearns\_SN045-3173\Final\0453173-63074-010-drain.dgn 1:45:03 PM 6/3/2009

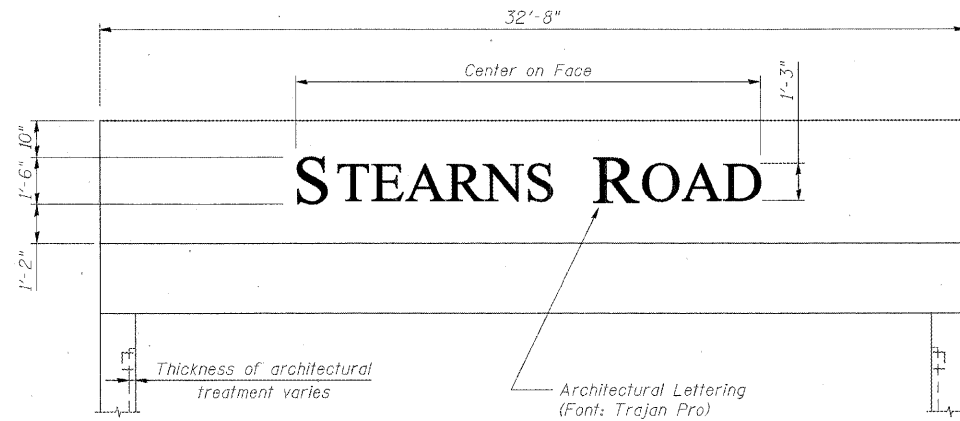
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	LOCAL SHEETS	SHEET NO.	SHEET SA- 13 OF 14 SHEETS
		KANE	545	300	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		

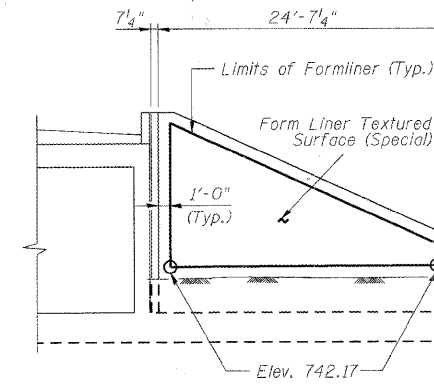
Contract #63074



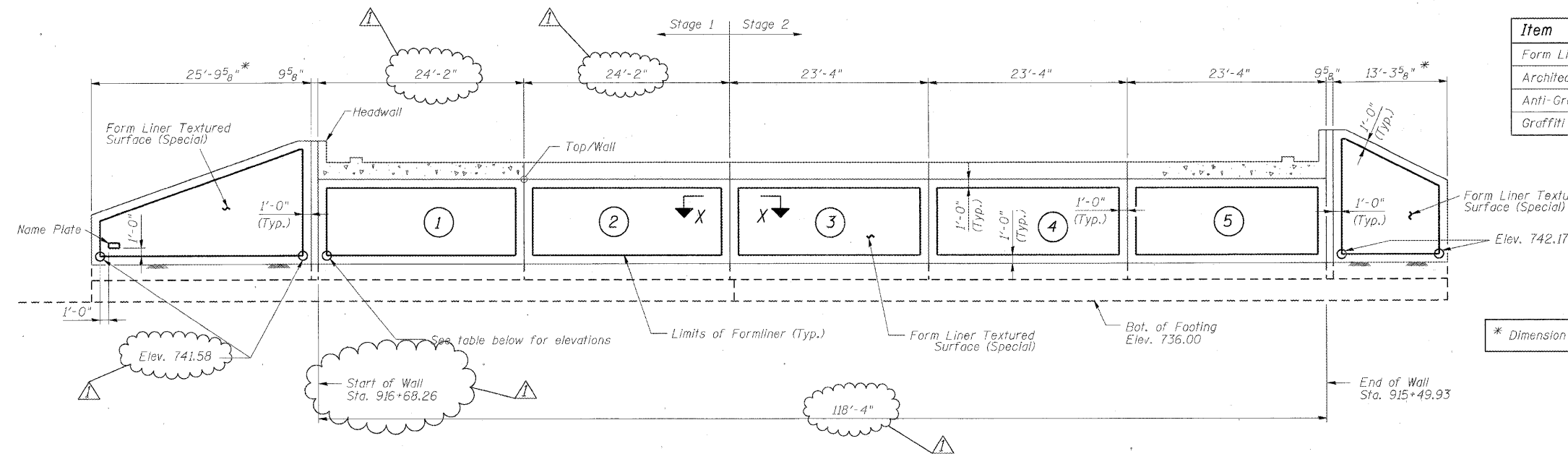
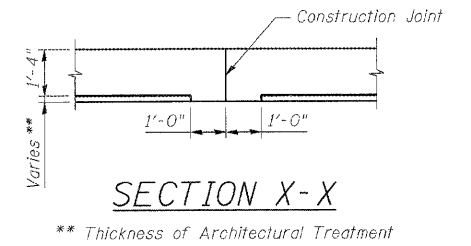
NORTH WEST WINGWALL ELEVATION



HEADWALL ELEVATION



SOUTH WEST WINGWALL ELEVATION



NORTH EAST WINGWALL

ELEVATION

SOUTH EAST WINGWALL

BILL OF MATERIAL

Item	Unit	Stage 1	Stage 2
Form Liner Textured Surface (Special)	Sq. Ft.	1,489	1,766
Architectural Lettering	L. Sum	0.25	0.25
Anti-Graffiti Coating	Sq. Ft.	1,668	1,946
Graffiti Removal (Special)	Sq. Yd.	162	234

FORMLINER ELEVATIONS

Location	Station	Bottom Elevation
Start of Wall	916+68.26	741.59
Between Panels 1 & 2	916+44.10	741.69
Stage Construction Joint	916+19.93	741.81
Between Panels 3 & 4	915+96.60	741.93
Between Panels 4 & 5	915+73.27	742.04
End of Wall	915+49.93	742.16

NOTES:

- Stations and offsets are measured with respect to Mixed-Use Path along IL 25/Dunham Road

DESIGNED	AAY
CHECKED	AJK
DRAWN	VH
CHECKED	HMA/DMC

Addendum #1 - 6/5/09

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312-685-0450  
Job # 3944

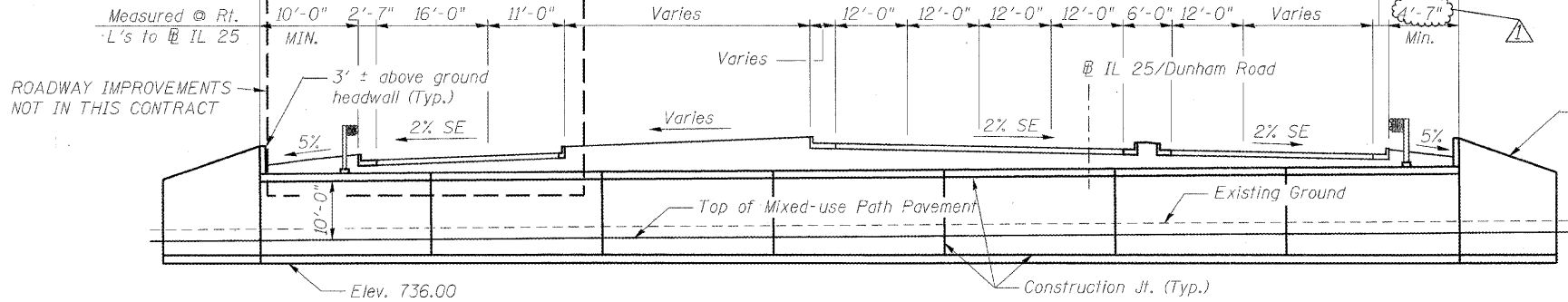
ARCHITECTURAL TREATMENT  
MULTI-USE PATH UNDER  
IL 25/STEARNS ROAD  
F.A.P. 360 - SEC. 06-00214-15-BR  
KANE COUNTY  
STATION 916+09.93  
STRUCTURE NO. 045-3173

Benchmark BM-24:  
 "Aluminum Disk" set in concrete, 0.50+ mile east of Stearns Road and  
 Dunham Road at the south side of Stearns Road. Elev. 762.678  
 Existing Structure: None  
 Precast alternate is  
 not allowed.

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET SB- 1
-	-	KANE	645	302	OF 14 SHEETS
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-		

Contract # 63074



**LOADING HS-20**  
 Allow 50#/sq. ft. for future wearing surface.

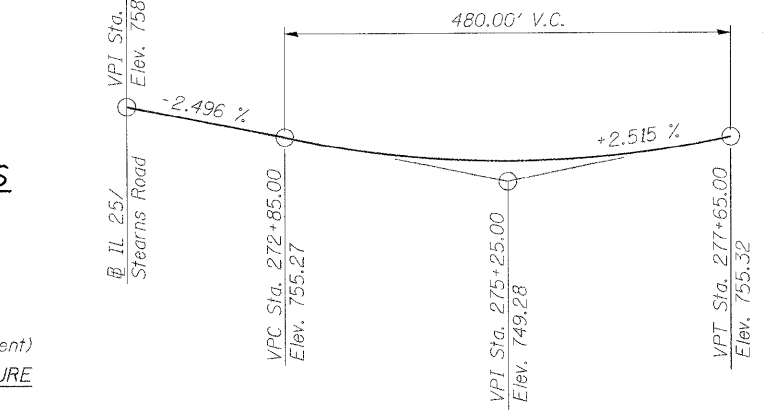
**DESIGN SPECIFICATIONS**  
 AASHTO Standard Specifications for Highway Bridges, 17th edition

**DESIGN STRESSES**

**FIELD UNITS**  
 $f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (Reinforcement)

**MAXIMUM APPLIED BEARING PRESSURE**  
 3,000 psf

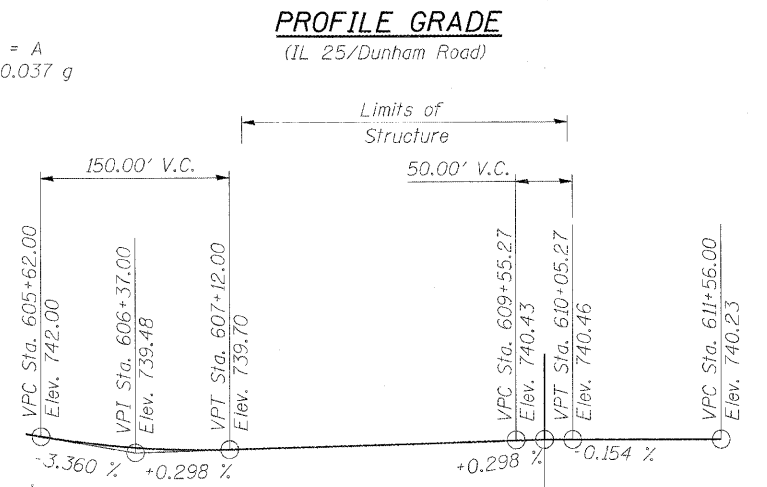
**SEISMIC DATA**  
 Seismic Performance Category (SPC) = A  
 Bedrock Acceleration Coefficient (A) = 0.037 g  
 Site Coefficient (S) = 1.0



**ELEVATION**

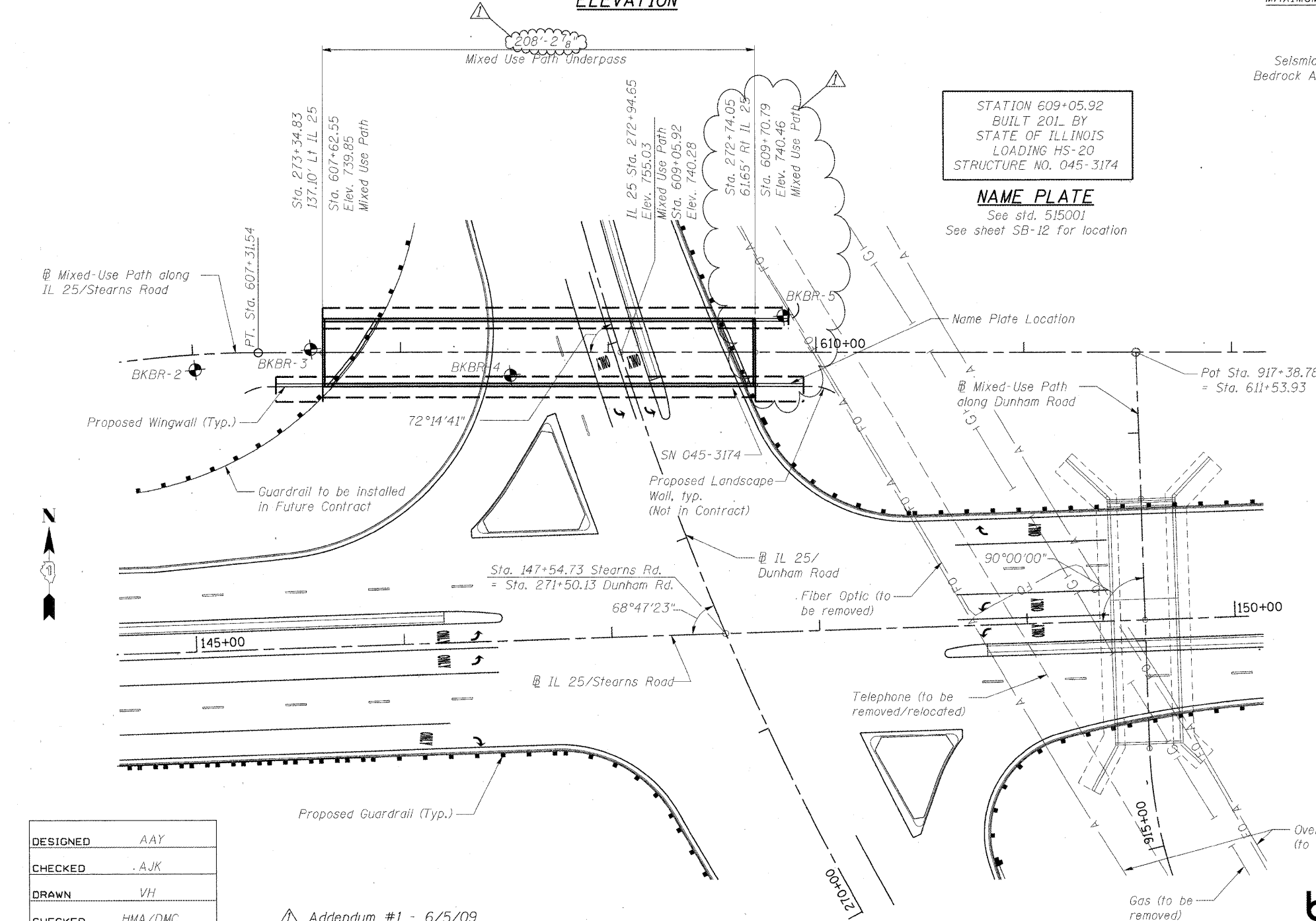
STATION 609+05.92  
 BUILT 2011 BY  
 STATE OF ILLINOIS  
 LOADING HS-20  
 STRUCTURE NO. 045-3174

**NAME PLATE**  
 See std. 515001  
 See sheet SB-12 for location

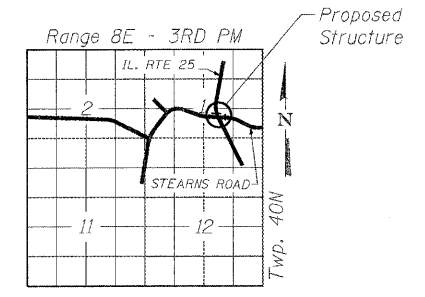
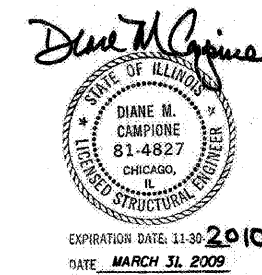


**PROFILE GRADE**

Mixed Use Path along IL 25/Stearns Road (under IL 25/Dunham)



**GENERAL PLAN**



**LOCATION SKETCH**

**GENERAL PLAN AND ELEVATION  
 MIXED-USE PATH UNDER  
 IL 25/DUNHAM ROAD  
 F.A.P. 360 - SEC. 06-00214-15-BR  
 KANE COUNTY  
 STATION 609+05.92  
 STRUCTURE NO. 045-3174**

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 312-585-0450  
 Job # 3944

DESIGNED	AAY
CHECKED	AJK
DRAWN	VH
CHECKED	HMA/DMC

▲ Addendum #1 - 6/5/09

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET SB- 2
-	-	KANE	545	303	OF 14 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

Contract # 63074

TOTAL BILL OF MATERIAL

PAY ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment	Cu. Yd.		1,813	1,813
Structure Excavation	Cu. Yd.		2,664	2,664
Concrete Structures	Cu. Yd.		1,244.8	1,244.8
* Form Liner Textured Surface (Special)	Sq. Ft.		4,665	4,665
Reinforcement Bars, Epoxy Coated	Pound		237,770	237,770
Name Plate	Each		1	1
Geocomposite Wall Drain	Sq. Yd.		703	703
* Pipe Underdrains for Structures 4"	Foot		515	515
* Graffiti Removal (Special)	Sq. Yd.		695	695
* Anti-Graffiti Coating	Sq. Ft.		5,024	5,024
* Steel Railing (Special)	Foot		128	128
* Architectural Lettering	L. Sum		0.5	0.5

\* See Special Provisions

INDEX OF DRAWINGS

SB - 1 of 14	General Plan and Elevation
SB - 2 of 14	General Notes, Index of Sheets and Total Bill of Material
SB - 3 of 14	Foundation Plan and Reinforcement
SB - 4 of 14	Top Slab Reinforcement
SB - 5 of 14	Plan and Elevation North Wall
SB - 6 of 14	Plan and Elevation South Wall
SB - 7 of 14	Wall Reinforcement
SB - 8 of 14	Wingwall Details 1 of 2
SB - 9 of 14	Wingwall Details 2 of 2
SB - 10 of 14	Drainage Details
SB - 11 of 14	Rail Details
SB - 12 of 14	Architectural Treatment
SB - 13 of 14	Soil Boring Log 1 of 2
SB - 14 of 14	Soil Boring Log 2 of 2

GENERAL NOTES

- Reinforcement bars shall conform to the requirements of ASTM A706 Gr. 60. See Special Provision.
- Reinforcement bars designated (E) shall be epoxy coated.
- All exposed concrete edges shall have a  $\frac{3}{4}$ " x 45 deg. Chamfer, except where shown otherwise. Chamfer on vertical edges shall be continued a minimum of one foot below finished ground level.
- Reinforcement bending details shall be in accordance with the latest Manual of Standard Practice for Detailing Reinforced Concrete Structures, ACI 315.
- Reinforcement bar bending dimensions are out to out.
- Cover from face of concrete to face of reinforcement bars shall be 3 inches for surfaces cast against earth and 2 inches for all other surfaces unless otherwise shown.
- The cost of Water Seals and PJF is included in the cost of Concrete Structures unless noted otherwise.
- Backfill shall be placed simultaneously against both side walls of the structure. The maximum differential in fill height on either side shall be two feet.
- Reinforcement bar lap splices shall be Class C. Top bars so placed that more than 12 inches of concrete is cast below the reinforcement shall be lapped for 1.4 x basic lap. Reinforcement bar splices shall be in accordance with the following table unless shown otherwise on the drawing.

Bar Size	Basic Lap	1.4 Basic Lap
#4	1'-8"	2'-5"
#5	2'-2"	3'-0"
#6	2'-7"	3'-7"
#7	3'-5"	4'-10"
#8	4'-6"	6'-4"
#9	5'-9"	8'-1"
#10	7'-3"	10'-3"
#11	9'-0"	12'-7"

GENERAL NOTES, INDEX OF SHEETS  
AND TOTAL BILL OF MATERIAL  
MIXED-USE PATH UNDER  
IL 25/DUNHAM ROAD  
F.A.P. 360 - SEC. 06-00214-15-BR  
KANE COUNTY  
STATION 609+05.92  
STRUCTURE NO. 045-3174

DESIGNED	AAY
CHECKED	AJK
DRAWN	VH
CHECKED	HMA/DMC

▲ Addendum #1 - 6/5/09

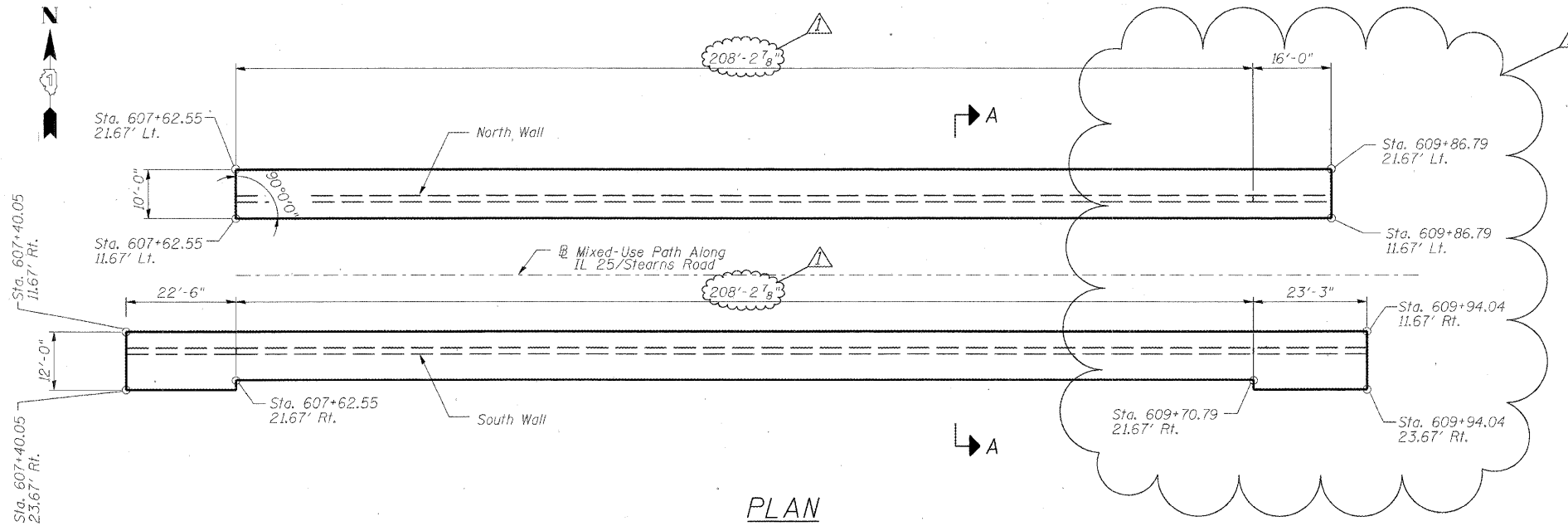
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Job # 3944

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

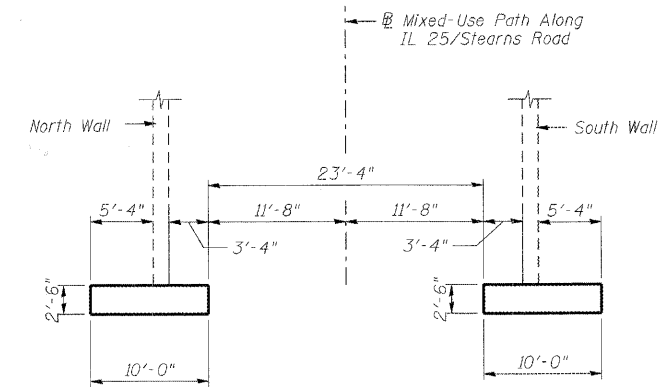
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	545	304
FED. ROAD DIST. NO. 7		RAILINGS	FED. AID PROJECT	

SHEET SB- 3  
OF 14 SHEETS

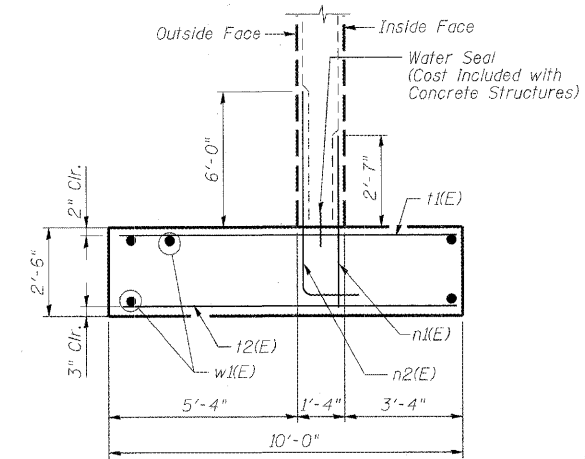
Contract # 63074



PLAN



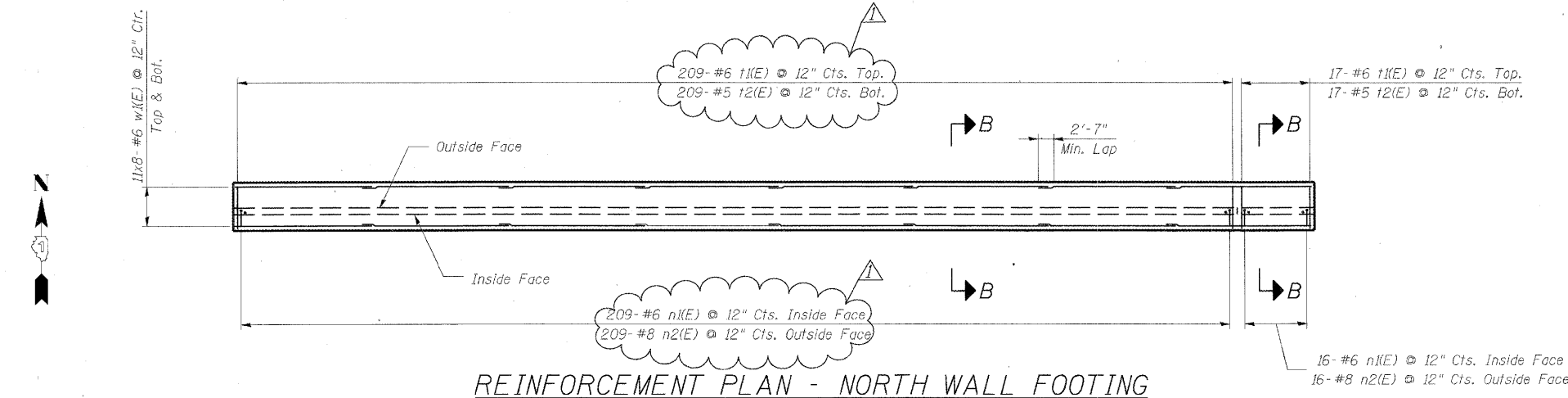
SECTION A-A



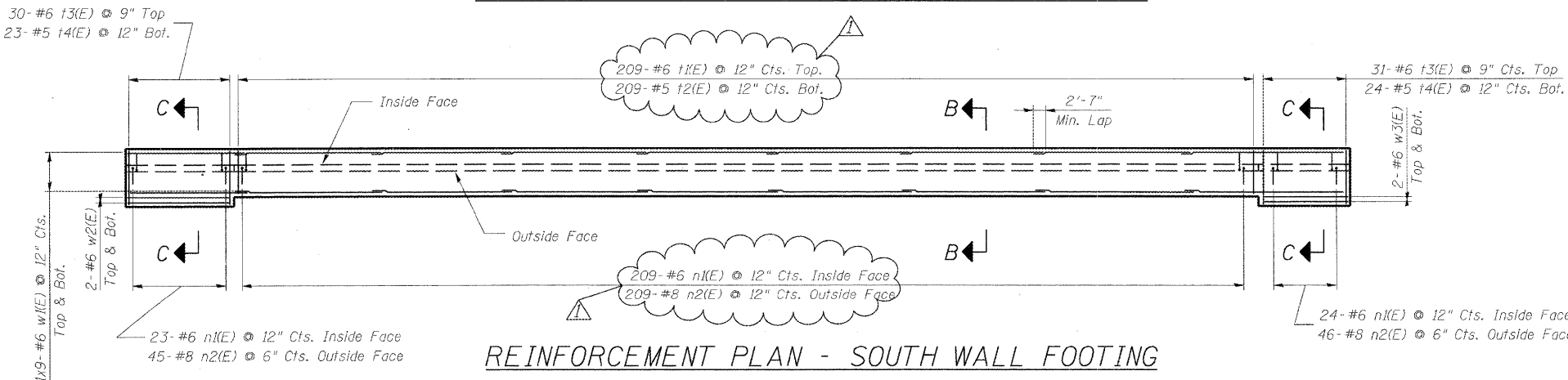
SECTION B-B

BILL OF MATERIAL

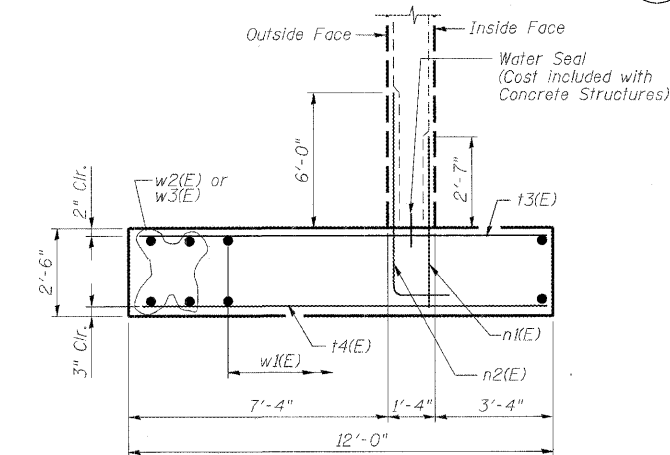
Bar	No.	Size	Length	Shape
n1(E)	481	#6	4'-10"	—
n2(E)	525	#8	9'-7"	—
t1(E)	435	#6	9'-8"	—
t2(E)	435	#5	9'-8"	—
t3(E)	61	#6	11'-8"	—
t4(E)	47	#5	11'-8"	—
w1(E)	374	#6	30'-9"	—
w2(E)	4	#6	22'-2"	—
w3(E)	4	#6	22'-11"	—
Concrete Structures			Cu. Yd.	451.3
Reinforcement Bars, Epoxy Coated			Pound	46,820



REINFORCEMENT PLAN - NORTH WALL FOOTING



REINFORCEMENT PLAN - SOUTH WALL FOOTING



SECTION C-C

BAR n2(E)

FOUNDATION PLAN AND REINFORCEMENT

MIXED-USE PATH UNDER

IL 25/DUNHAM ROAD

F.A.P. 360 - SEC. 06-00214-15-BR

KANE COUNTY

STATION 609+05.92

STRUCTURE NO. 045-3174

DESIGNED	AAY
CHECKED	AJK
DRAWN	VH
CHECKED	HMA/DMC

▲ Addendum #1 - 6/5/09

NOTES:

1. Stations and offsets are measured with respect to Mixed-Use Path along IL 25/ Stearns Road.
2. Bars indicated thus 13x8-#6 etc. indicates 13 lines of bars with 8 lengths per line.
3. Maximum Applied Bearing Pressure is 3000 psf.
4. 1" Conduit through footing at east end. See Lighting Plans.

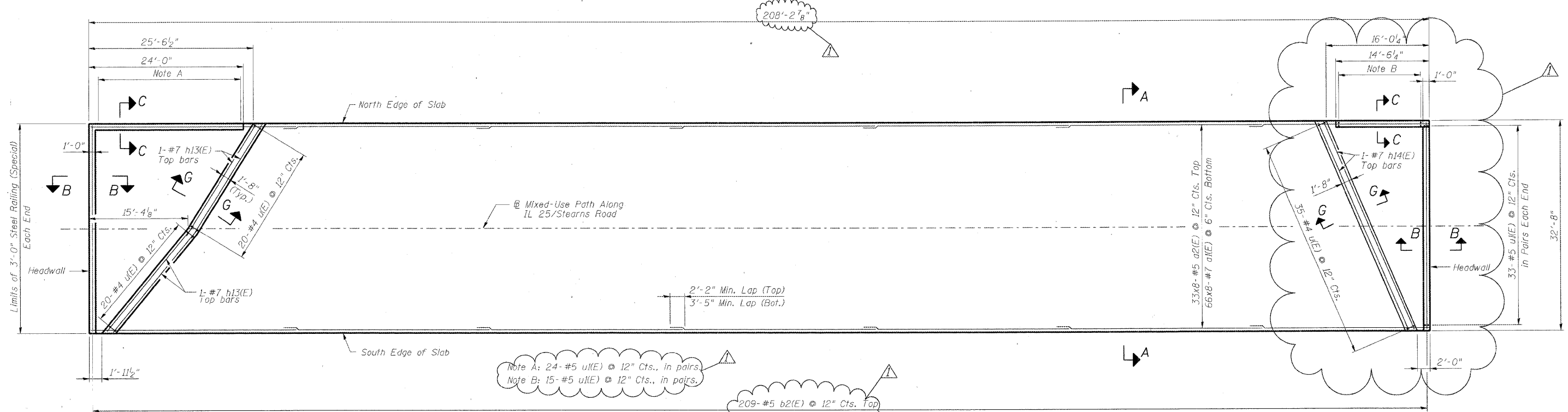
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Chicago, Illinois 60601  
312-685-0450  
Job # 3944

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	-	KANE	645	325
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

Contract # 63074

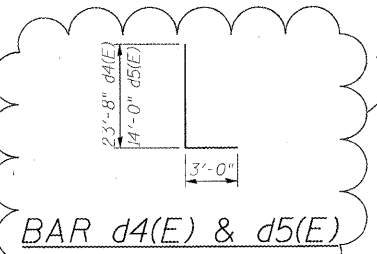
SHEET SB- 4  
OF 14 SHEETS



Note A: 24- #5 u1(E) @ 12" Cts., in pairs.  
Note B: 15- #5 u1(E) @ 12" Cts., in pairs.  
209- #5 b2(E) @ 12" Cts. Top  
417- #10 b1(E) @ 6" Cts. Bot.

**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a1(E)	528	#7	29'-6"	—
a2(E)	264	#5	28'-3"	—
b1(E)	417	#10	32'-4"	—
b2(E)	209	#5	32'-4"	—
d3(E)	16	#6	32'-4"	—
d4(E)	8	#6	26'-8"	—
d5(E)	8	#6	17'-0"	—
h13(E)	4	#7	20'-6"	—
h14(E)	2	#7	35'-0"	—
u1(E)	75	#4	6'-4"	□
u2(E)	210	#5	8'-8"	—
Concrete Structures		Cu. Yd.	517.1	
Reinforcement Bars,		Pound	108,510	
Epoxy Coated				

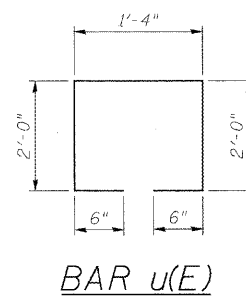


BAR d4(E) & d5(E)

DESIGNED	AAY
CHECKED	AJK
DRAWN	VH
CHECKED	HMA/DMC

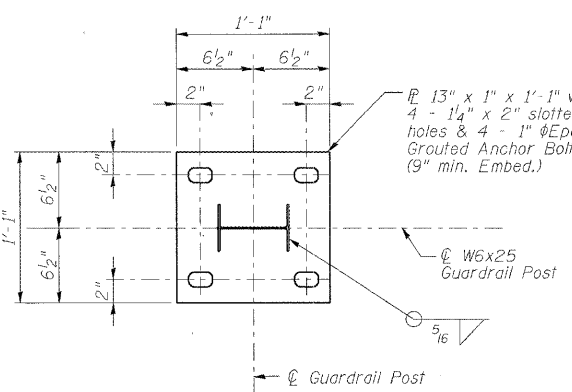
BAR u1(E)

SECTION C-C

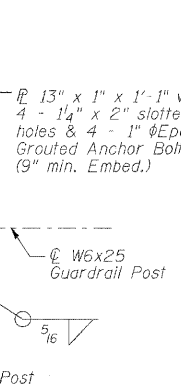


BAR u2(E)

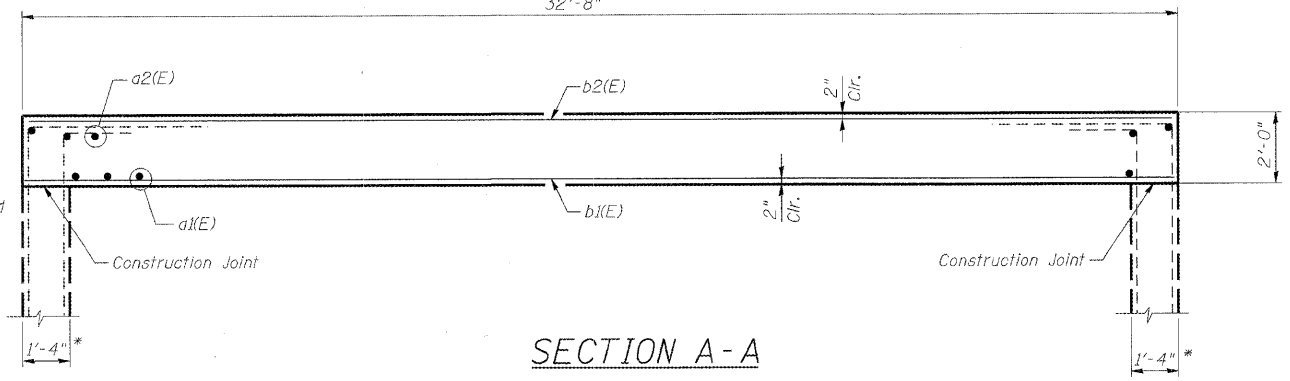
SECTION G-G



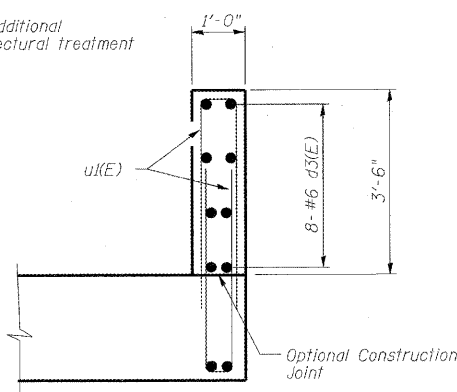
SECTION H-H



PLAN



SECTION A-A



SECTION B-B

**NOTES:**

1. Bars indicated thus 34x8- #5 etc. indicates 33 lines of bars with 8 lengths per line.

**TOP SLAB REINFORCEMENT  
MIXED-USE PATH UNDER  
IL 25/DUNHAM ROAD  
F.A.P. 360 - SEC. 06-00214-15-BR  
KANE COUNTY  
STATION 609+05.92  
STRUCTURE NO. 045-3174**

**benesch**  
Engineers • Surveyors • Planners  
205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-685-0450  
Job # 3944

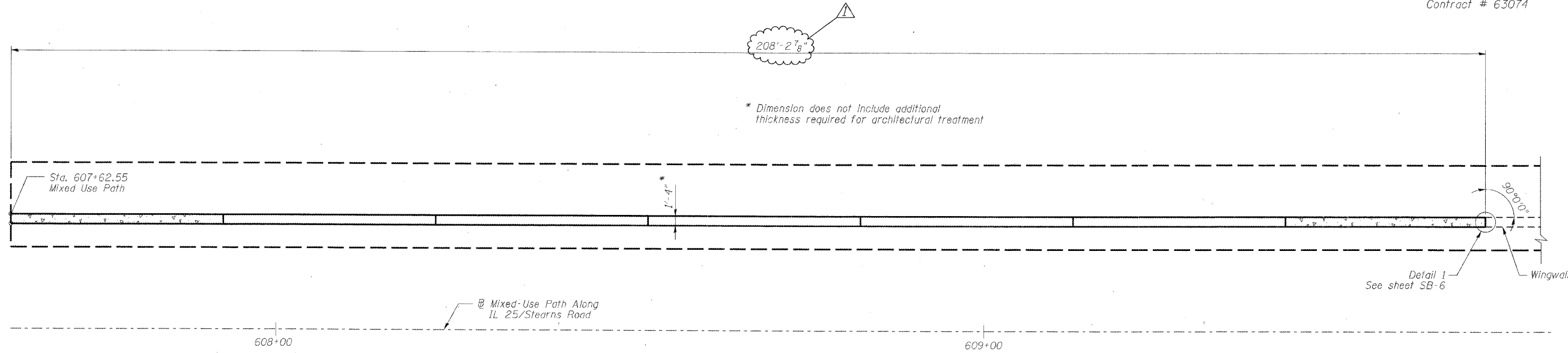
▲ Addendum #1 - 6/5/09



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

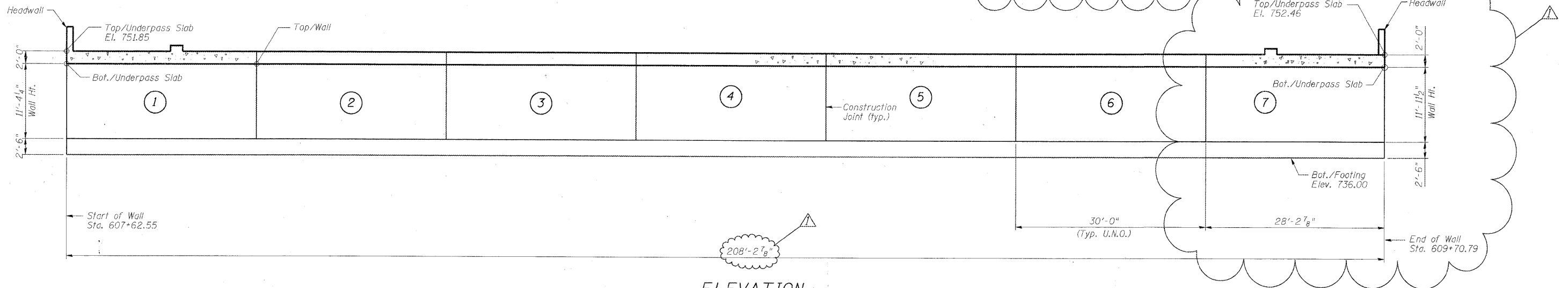
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET	SHEET SB- 5 OF 14 SHEETS
-	-	KANE	545	326	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-		

Contract # 63074



PLAN

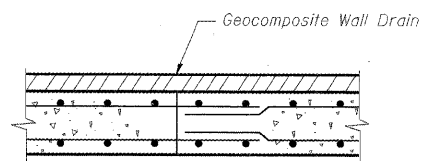
Location Between	Station	Elevation
Start of Wall	607+62.55	749.85
Panels 1 & 2	607+92.55	749.94
Panels 2 & 3	608+22.55	750.03
Panels 3 & 4	608+52.55	750.12
Panels 4 & 5	608+82.55	750.21
Panels 5 & 6	609+12.55	750.30
Panels 6 & 7	609+42.55	750.39
End of Wall	609+70.79	750.46



ELEVATION

NOTES:

1. Stations and offsets are measured with respect to  $\text{M}$ . Mixed-Use Path along IL 25/Stearns Road
2. For wall reinforcement see sheet SB-7.
3. U.N.O. denotes unless noted otherwise.



CONSTRUCTION JOINT  
(Typical at all Constr. Jts.)

DESIGNED	AAY
CHECKED	AJK
DRAWN	VH
CHECKED	HMA/DMC

▲ Addendum #1 - 6/5/09

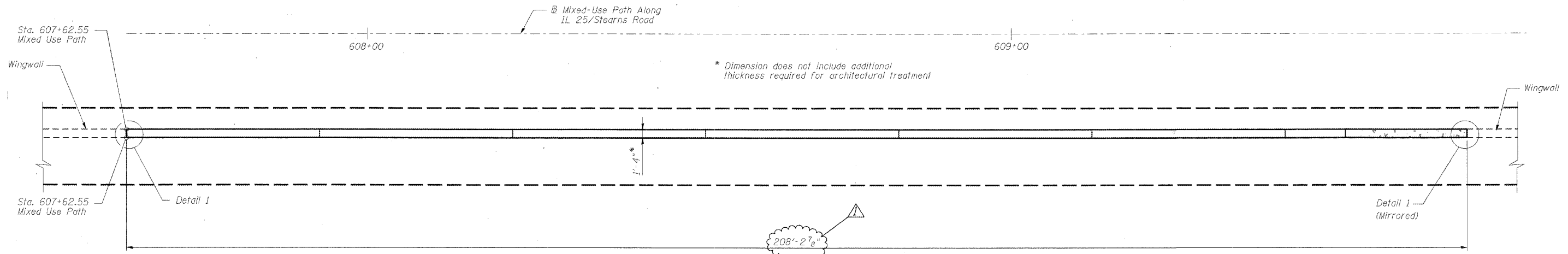
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alfred benesch & company  
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205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-565-0450  
Job # 3944

**PLAN & ELEVATION NORTH WALL  
MIXED-USE PATH UNDER  
IL 25/DUNHAM ROAD  
F.A.P. 360 - SEC. 06-00214-15-BR  
KANE COUNTY  
STATION 609+05.92  
STRUCTURE NO. 045-3174**

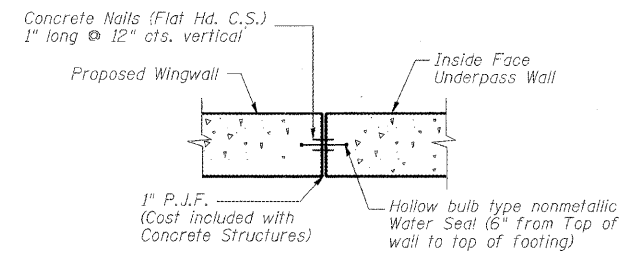
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET	SHEET SB- 6 OF 14 SHEETS
-	-	KANE	545	307	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-		

Contract # 63074



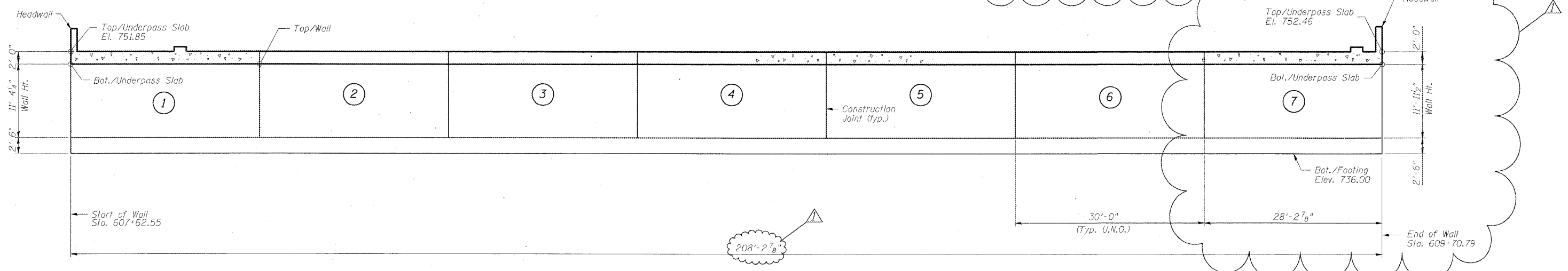
PLAN



DETAIL 1

**TOP/WALL ELEVATIONS**

Location Between	Station	Elevation
Start of Wall	607+62.55	749.85
Panels 1 & 2	607+92.55	749.94
Panels 2 & 3	608+22.55	750.03
Panels 3 & 4	608+52.55	750.12
Panels 4 & 5	608+82.55	750.21
Panels 5 & 6	609+12.55	750.30
Panels 6 & 7	609+42.55	750.39
End of Wall	609+70.79	750.46



ELEVATION

- NOTES:**
- Stations and offsets are measured with respect to  $\text{M}$  Mixed-Use Path along IL 25/Stearns Road
  - For wall reinforcement see sheet SB-7.
  - For Construction Joint detail see sheet SB-5.
  - U.N.O. denotes unless noted otherwise.

**PLAN & ELEVATION SOUTH WALL  
MIXED-USE PATH UNDER  
IL 25/DUNHAM ROAD  
F.A.P. 360 - SEC. 06-00214-15-BR  
KANE COUNTY  
STATION 609+05.92  
STRUCTURE NO. 045-3174**

DESIGNED	AAY
CHECKED	AJK
DRAWN	VH
CHECKED	HMA/DMC

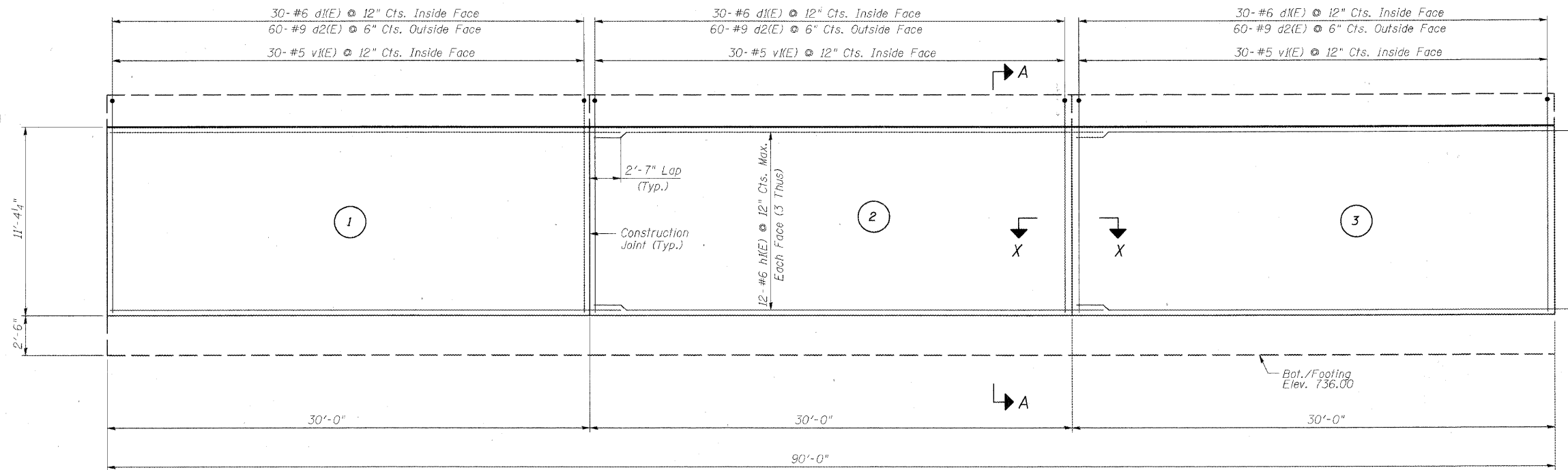
▲ Addendum #1 - 6/5/09

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alfred benesch & company  
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205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-585-0450  
Job # 3944

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

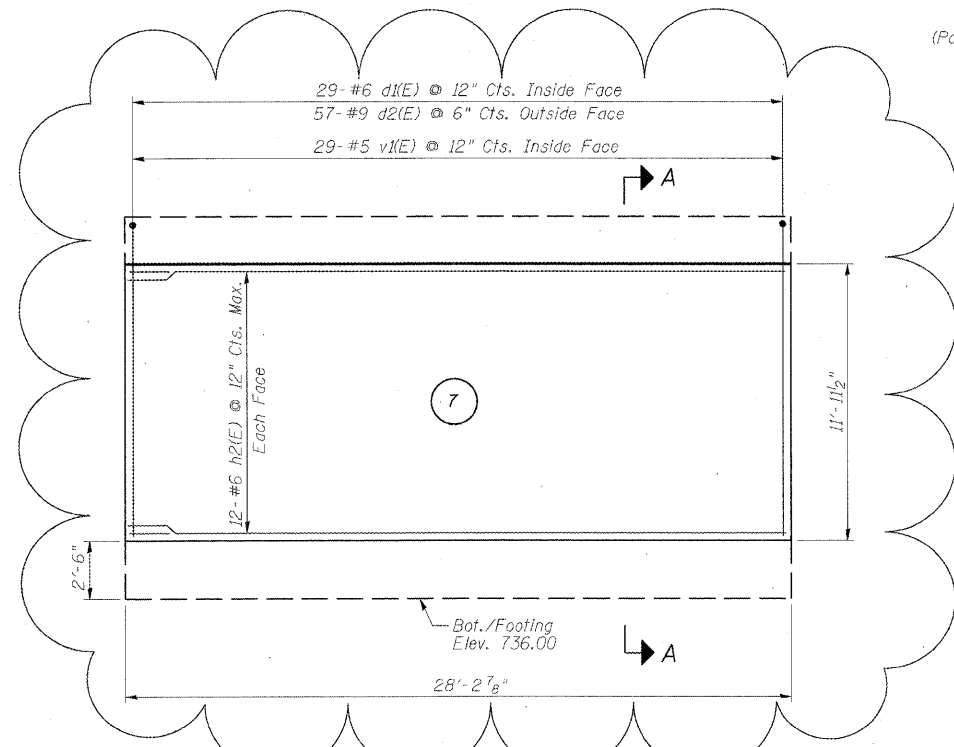
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET SB- 7 OF 14 SHEETS
-	-	KANE	545	308	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		

Contract # 63074



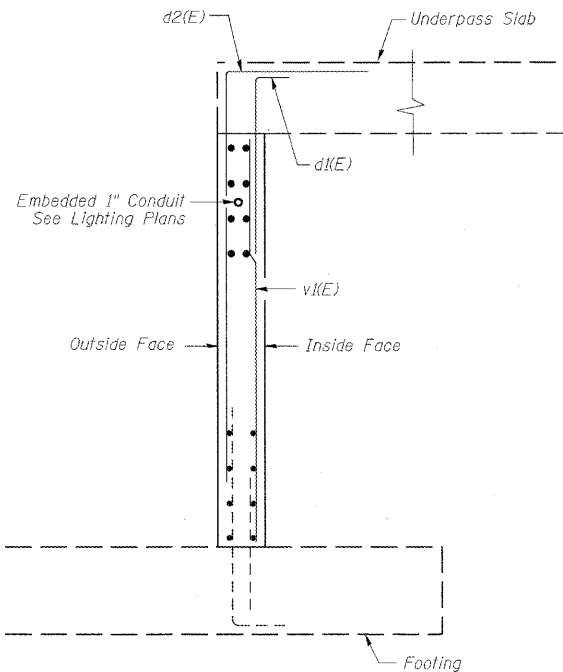
**NORTH WALL ELEVATION**

(South Wall Elevation Similar)  
(Panels 1 thru 3, Panels 4 thru 6 similar)



**NORTH WALL ELEVATION**

(South Wall Elevation Similar)  
(Panel 7)

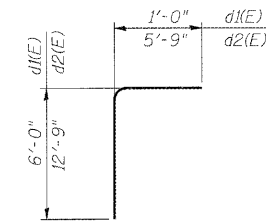


**SECTION A-A**

**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape	
d1(E)	418	#6	7'-0"	┌	
d2(E)	834	#9	18'-6"	┌	
h1(E)	288	#6	32'-7"	┌	
h2(E)	48	#6	27'-9"	┌	
v1(E)	418	#5	11'-0"	┌	
Concrete Structures				Cu. Yd.	239.8
Reinforcement Bars, Epoxy Coated				Pound	77,750

\* Totals shown are for the north and south walls.



**BARS d1(E) & d2(E)**

**Notes:**

1. Stations and offsets are measured with respect to Mixed-Use Path along IL 25/Stearns Road.
2. (1) Denotes panel number.
3. For Section X-X see sheets SB-5 and SB-6.

DESIGNED	AAY
CHECKED	AJK
DRAWN	VH
CHECKED	HMA/DMC

▲ Addendum #1 - 6/5/09

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312-565-0460  
Job # 3944

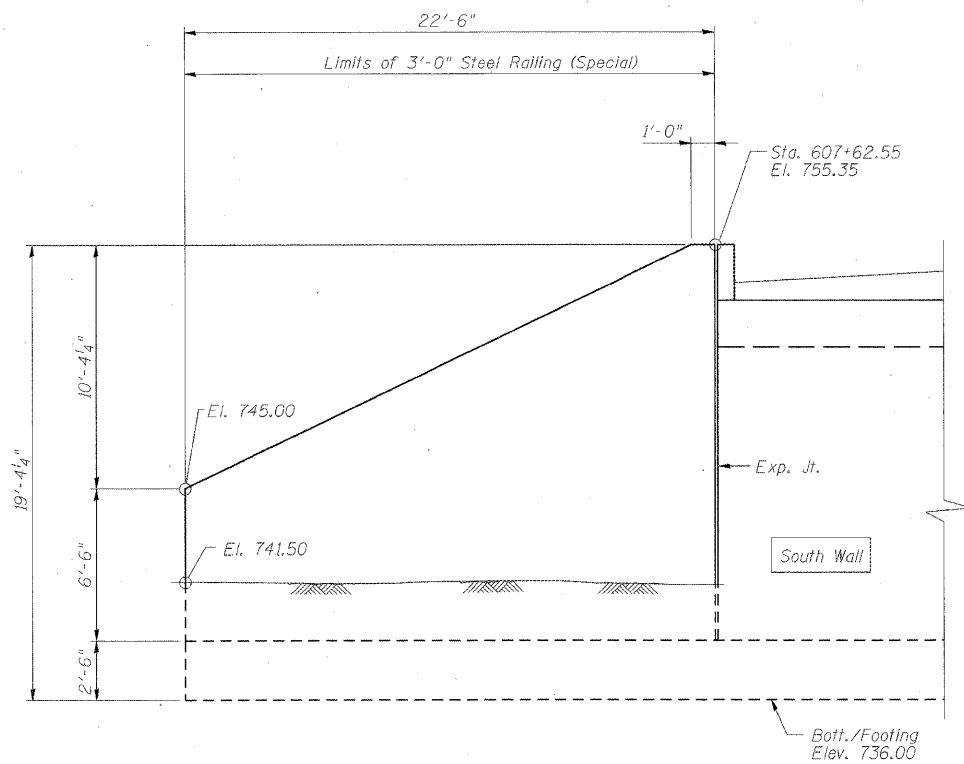
**WALL REINFORCEMENT  
MIXED-USE PATH UNDER  
IL 25/DUNHAM ROAD  
F.A.P. 360 - SEC. 06-00214-15-BR  
KANE COUNTY  
STATION 609+05.92  
STRUCTURE NO. 045-3174**

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

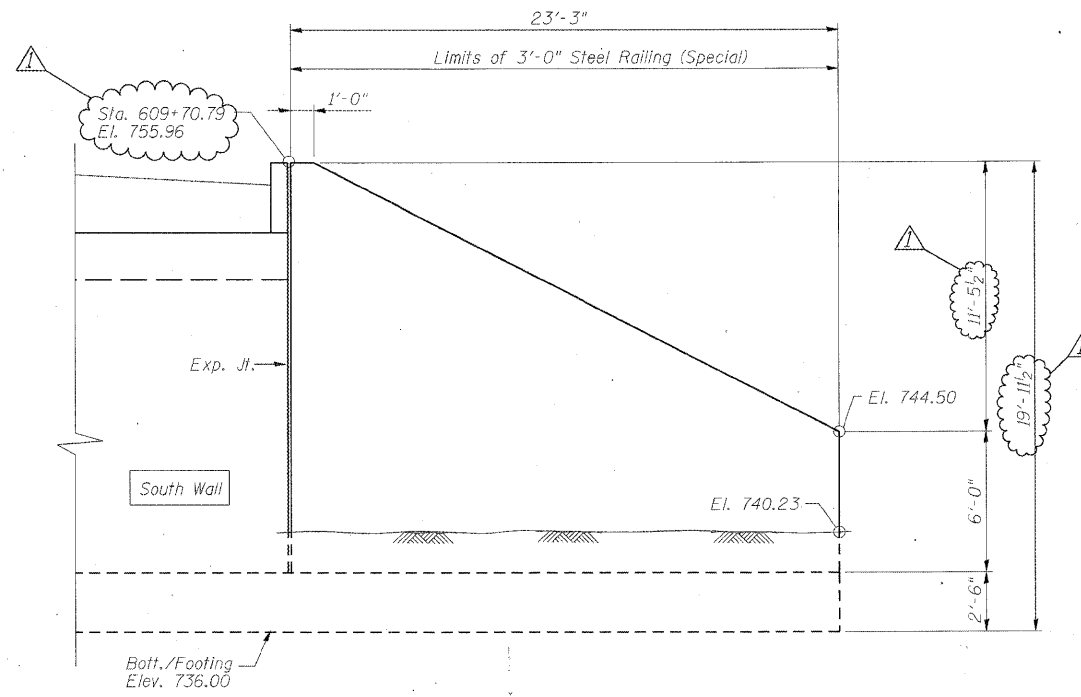
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		KANE	545	309
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

Contract # 63074

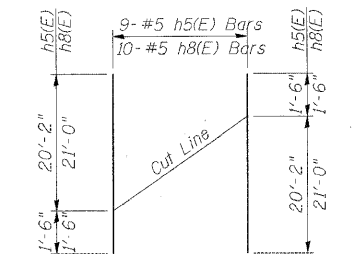
SHEET SB- 8  
OF 14 SHEETS



**WINGWALL ELEVATION**  
(South West End)  
Looking North

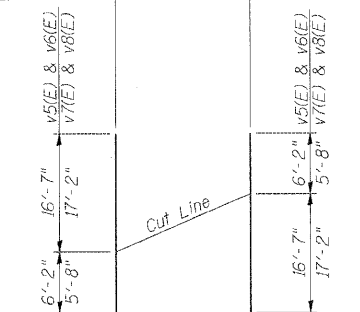


**WINGWALL ELEVATION**  
(South East End)  
Looking North

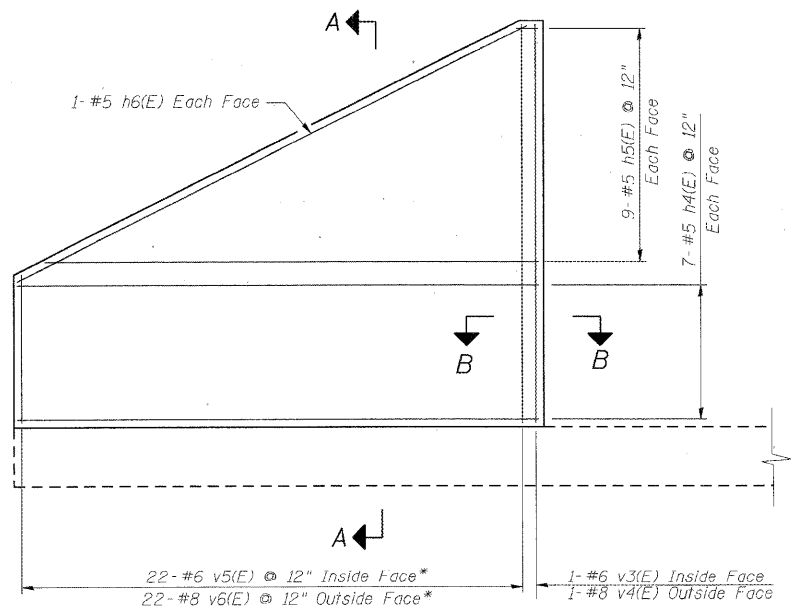


**BARS h5(E) & h8(E)**

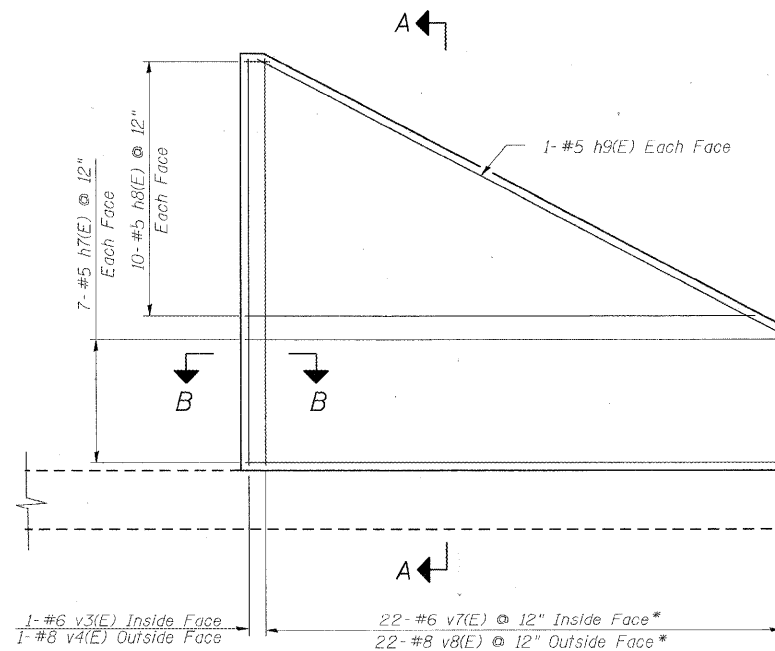
11-#6 v5(E) & 11-#8 v6(E)  
11-#6 v7(E) & 11-#8 v8(E)



**BARS v5(E), v6(E), v7(E) & v8(E)**

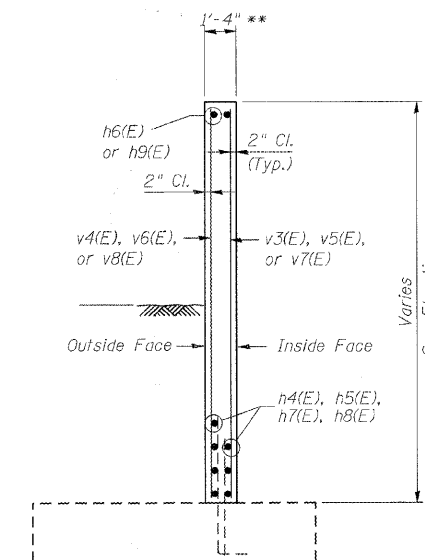


**REINFORCEMENT ELEVATION**  
(South West End)



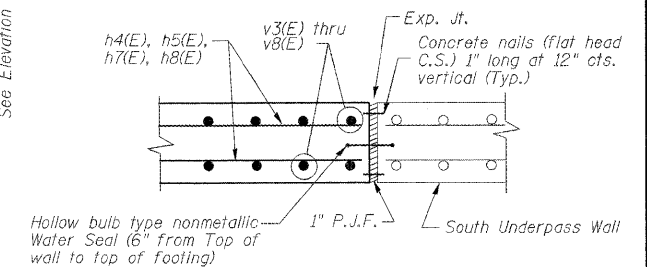
**REINFORCEMENT ELEVATION**  
(South East End)

\* See cutting diagram



**SECTION A-A**

\*\* Dimension does not include additional thickness required for architectural treatment



**SECTION B-B**

DESIGNED	AAY
CHECKED	AJK
DRAWN	VH
CHECKED	HMA/DMC

△ Addendum #1 - 6/5/09

**NOTES:**

1. For Wingwall Footing layout see sheet SB-3.
2. For Wingwall Bill of Materials see sheet SB-9.
3. Form liner architectural treatment to be applied to Inside face of wingwalls

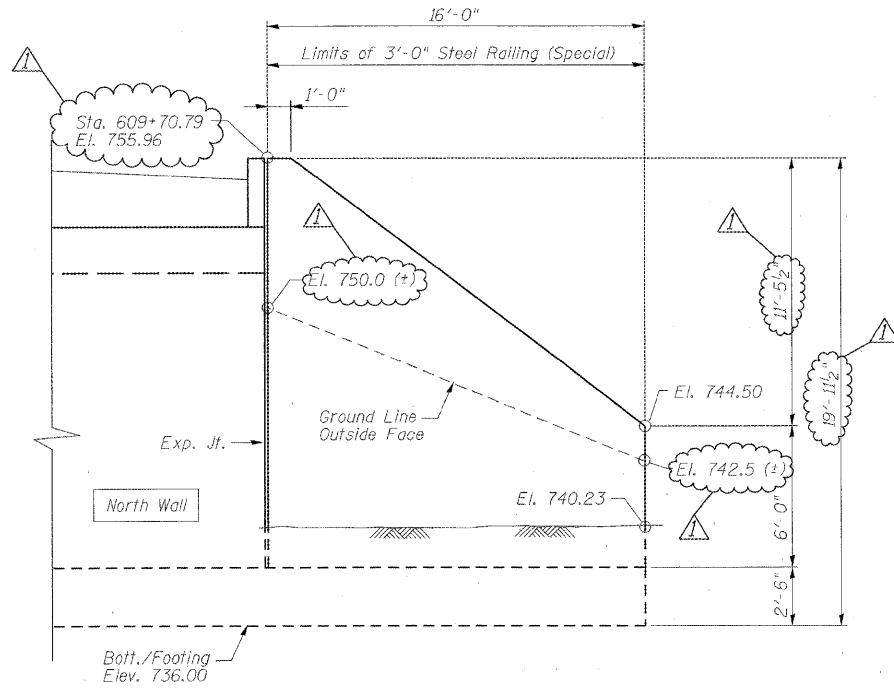
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alfred benesch & company  
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205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-685-0450  
Job # 3944

**WINGWALL DETAILS 1 OF 2**  
**MIXED-USE PATH UNDER**  
**IL 25/DUNHAM ROAD**  
**F.A.P. 360 - SEC. 06-00214-15-BR**  
**KANE COUNTY**  
**STATION 609+05.92**  
**STRUCTURE NO. 045-3174**

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

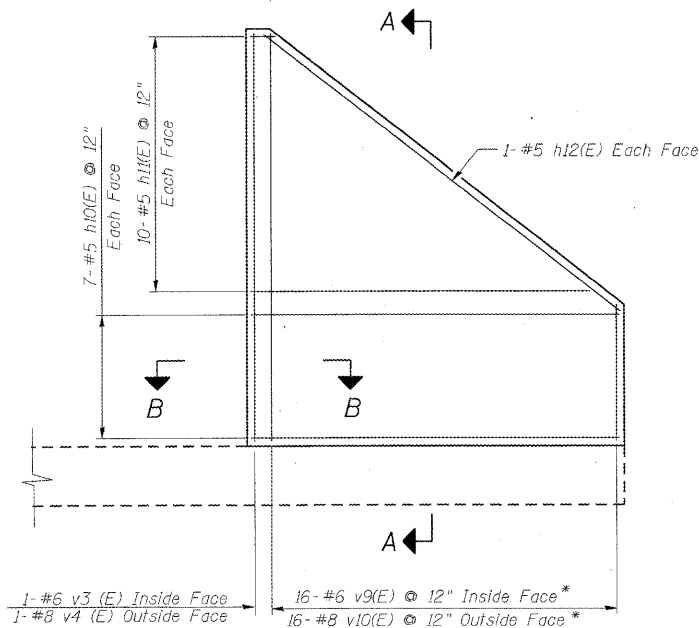
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET SB- 9 OF 14 SHEETS
		KANE	545	310	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		

Contract # 63074



**WINGWALL ELEVATION**

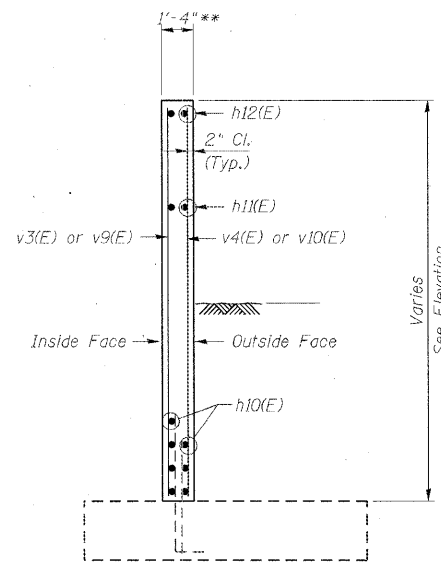
(North East End)  
Looking North



**REINFORCEMENT ELEVATION**

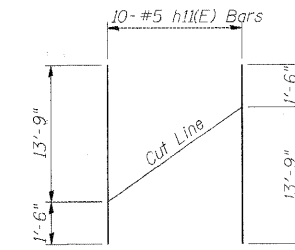
(North East End)

\* See cutting diagram

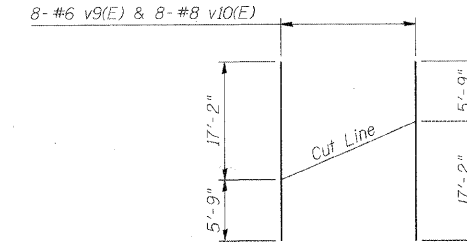


**SECTION A-A**

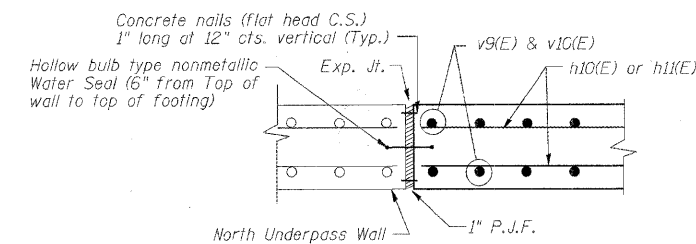
\*\* Dimension does not include additional thickness required for architectural treatment



**BARS h11(E)**



**BARS v9(E) & v10(E)**



**SECTION B-B**

**BILL OF MATERIAL**

(Wingwalls)

Bar	No.	Size	Length	Shape
h4(E)	14	#5	22'-1"	---
h5(E)	9	#5	21'-8"	---
h6(E)	2	#5	23'-0"	---
h7(E)	14	#5	22'-10"	---
h8(E)	10	#5	22'-6"	---
h9(E)	2	#5	24'-0"	---
h10(E)	14	#5	15'-8"	---
h11(E)	10	#5	15'-3"	---
h12(E)	2	#5	18'-0"	---
v3(E)	3	#6	16'-7"	---
v4(E)	3	#8	16'-7"	---
v5(E)	11	#6	22'-9"	---
v6(E)	11	#8	22'-9"	---
v7(E)	11	#6	22'-10"	---
v8(E)	11	#8	22'-10"	---
v9(E)	8	#6	22'-11"	---
v10(E)	8	#8	22'-11"	---
Concrete Structures		Cu. Yd.	36.6	
Reinforcement Bars, Epoxy Coated		Pound	4,690	

DESIGNED	AAY
CHECKED	AJK
DRAWN	VH
CHECKED	HMA/DMC

▲ Addendum #1 - 6/5/09

**NOTES:**

- For Wingwall Footing layout see sheet SB-3.
- Form liner architectural treatment to be applied to Inside face of wingwalls

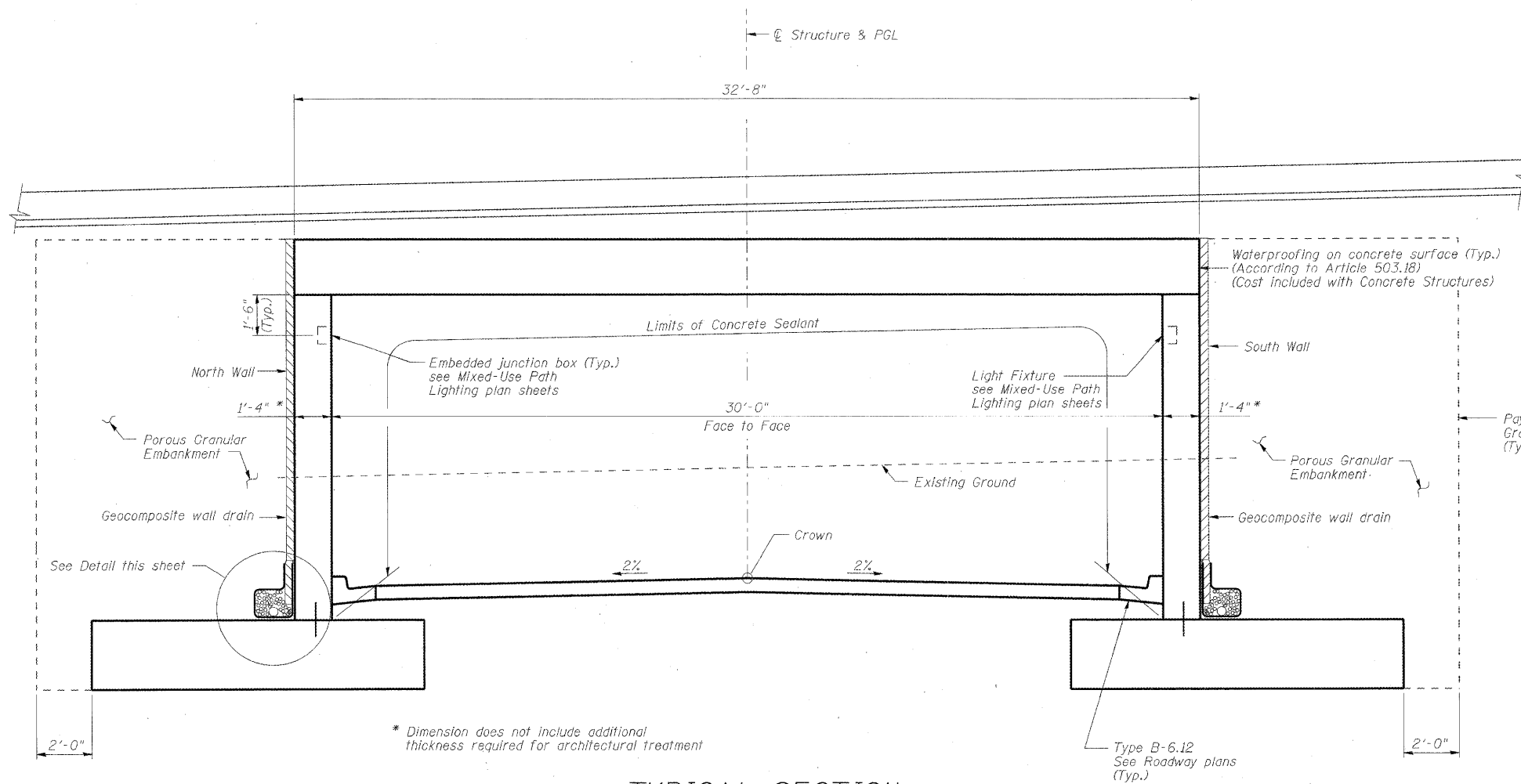
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Chicago, Illinois 60601  
312-565-0450  
Job # 3944

**WINGWALL DETAILS 2 OF 2**  
**MIXED-USE PATH UNDER**  
**IL 25/DUNHAM ROAD**  
**F.A.P. 360 - SEC. 06-00214-15-BR**  
**KANE COUNTY**  
**STATION 609+05.92**  
**STRUCTURE NO. 045-3174**

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

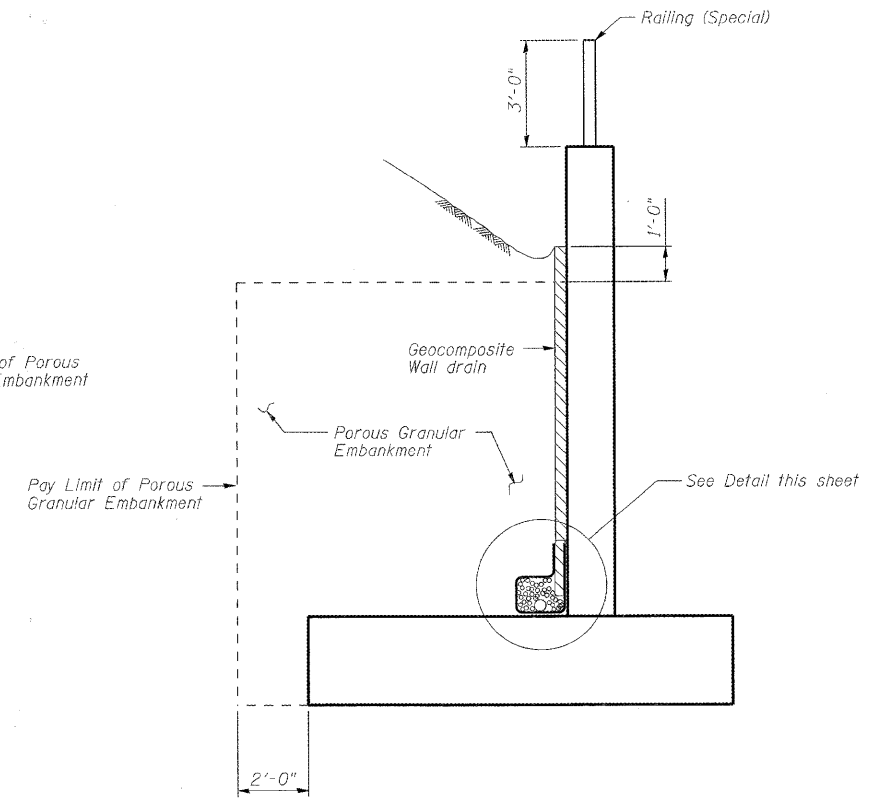
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET SB- 10 OF 14 SHEETS
-	-	KANE	545	311	
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT		

Contract # 63074

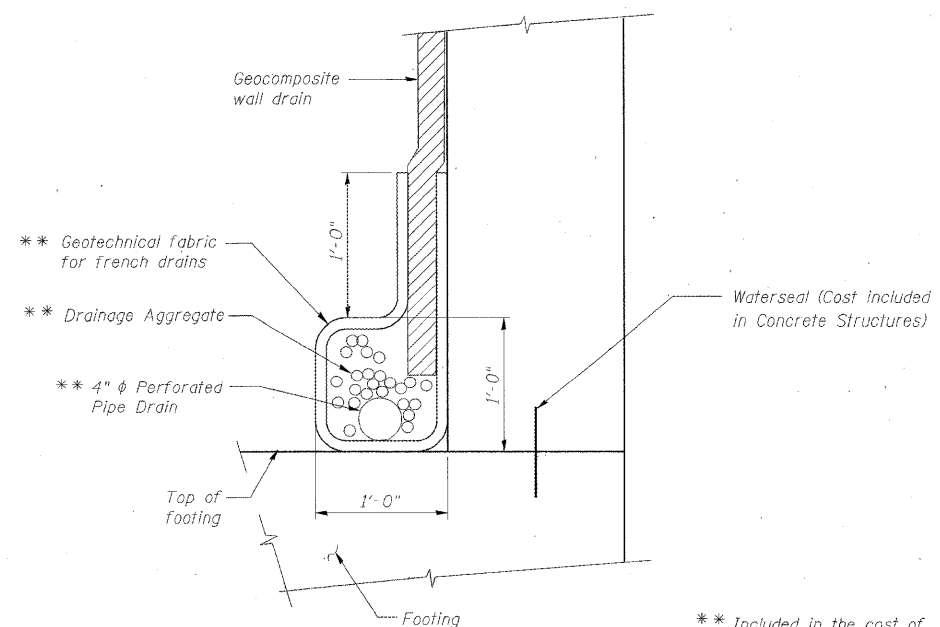


\* Dimension does not include additional thickness required for architectural treatment

TYPICAL SECTION



TYPICAL WINGWALL SECTION



\*\* Included in the cost of "Pipe Underdrains for Structures"

PIPE UNDERDRAIN DETAIL

BILL OF MATERIAL

Item	Unit	Total
Geocomposite Wall Drain	Sq. Yd.	703
Porous Granular Embankment	Cu. Yd.	1,813
Pipe Underdrains for Structures 4"	Foot	515

DESIGNED	AAY
CHECKED	AJK
DRAWN	VH
CHECKED	HMA/DMC

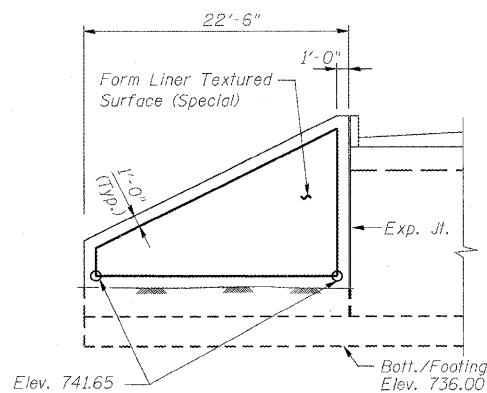
▲ Addendum #1 - 6/5/09

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312-585-0450  
Job # 3944

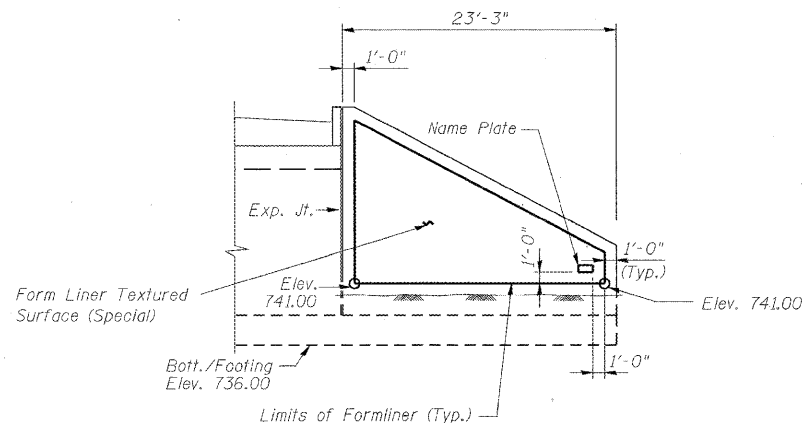
DRAINAGE DETAILS  
MIXED-USE PATH UNDER  
IL 25/DUNHAM ROAD  
F.A.P. 360 - SEC. 06-00214-15-BR  
KANE COUNTY  
STATION 609+05.92  
STRUCTURE NO. 045-3174

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

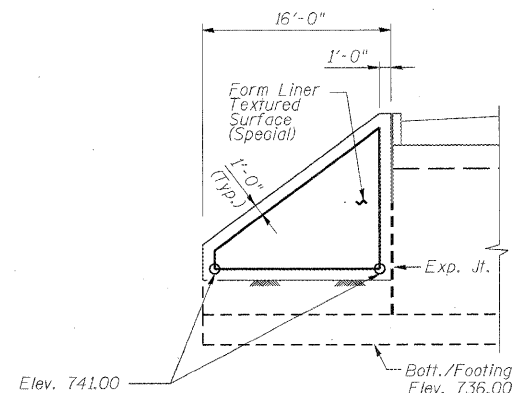
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-	-	KANE	545	313	
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-	Contract # 63074		



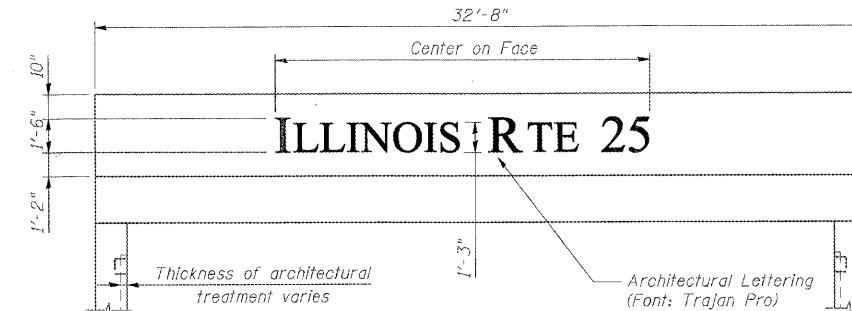
SOUTH WEST WINGWALL ELEVATION



SOUTH EAST WINGWALL ELEVATION

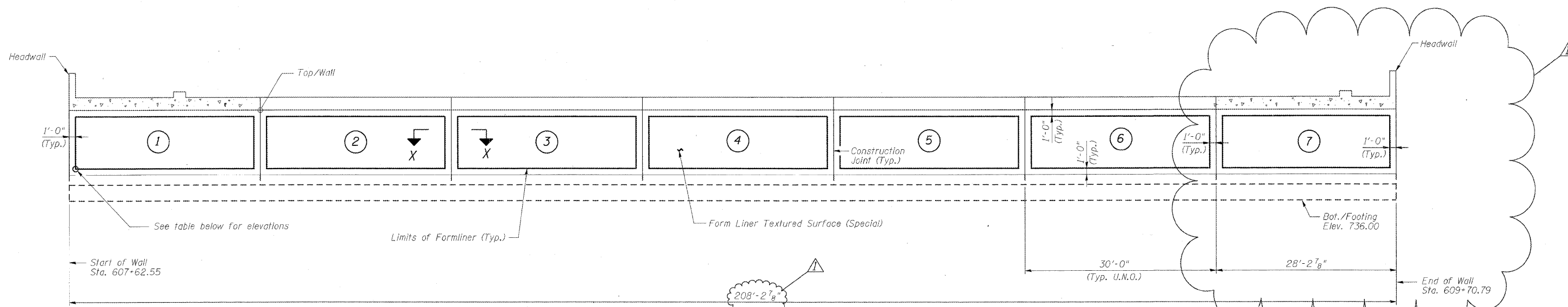


NORTH EAST WINGWALL ELEVATION



HEADWALL ELEVATION

(Typical Each End)



ELEVATION

BILL OF MATERIAL

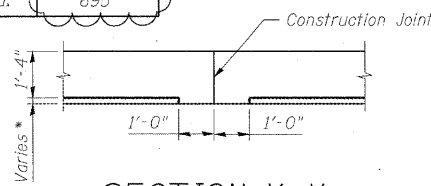
Item	Unit	Total
Form Liner Textured Surface (Special)	Sq. Ft.	4,665
Architectural Lettering	L. Sum	0.5
Anti-Graffiti Coating	Sq. Ft.	5,024
Graffiti Removal (Special)	Sq. Yd.	695

FORMLINER ELEVATIONS

Location Between	Station	Bottom Elevation
Start of Wall	607+62.55	741.02
Panels 1 & 2	607+92.55	741.11
Panels 2 & 3	608+22.55	741.20
Panels 3 & 4	608+52.55	741.29
Panels 4 & 5	608+82.55	741.38
Panels 5 & 6	609+12.55	741.47
Panels 6 & 7	609+42.55	741.56
End of Wall	609+70.79	741.63

NOTES:

- Stations and offsets are measured with respect to the Mixed-Use Path along IL 25/Stearns Road
- U.N.O. denotes unless noted otherwise.



SECTION X-X

\* Thickness of Architectural Treatment

DESIGNED	AAY
CHECKED	AJK
DRAWN	VH
CHECKED	HMA/DMC

▲ Addendum #1 - 6/5/09

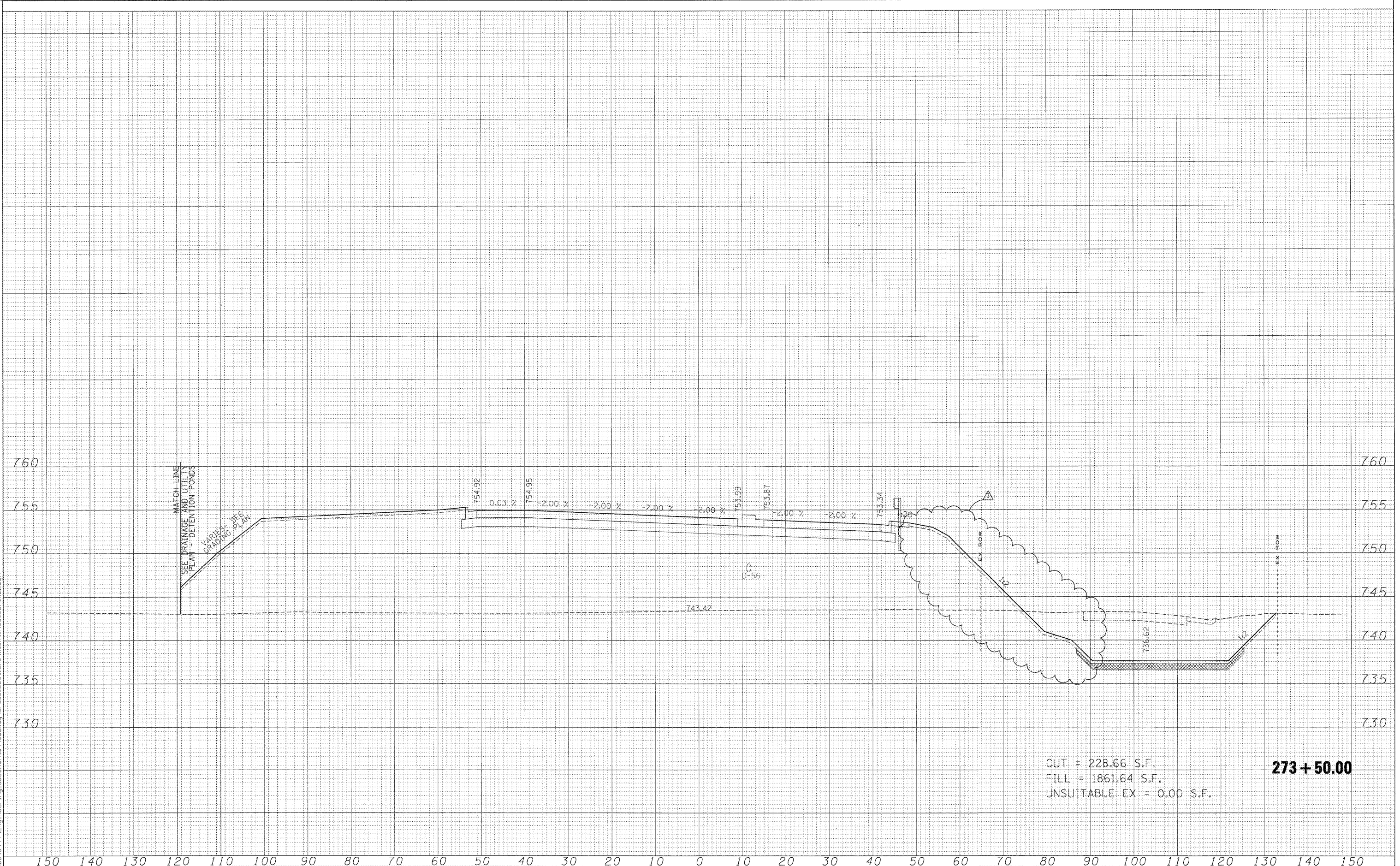
**benesch**  
alfred benesch & company  
Engineers • Surveyors • Planners  
205 North Michigan Avenue, Suite 2400  
Chicago, Illinois 60601  
312-565-0450  
Job # 3944

**ARCHITECTURAL TREATMENT  
MIXED-USE PATH UNDER  
IL 25/DUNHAM ROAD  
F.A.P. 360 - SEC. 06-00214-15-BR  
KANE COUNTY  
STATION 609+05.92  
STRUCTURE NO. 045-3174**

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

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

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CUT = 228.66 S.F.  
 FILL = 1861.64 S.F.  
 UNSUITABLE EX = 0.00 S.F.

**273+50.00**

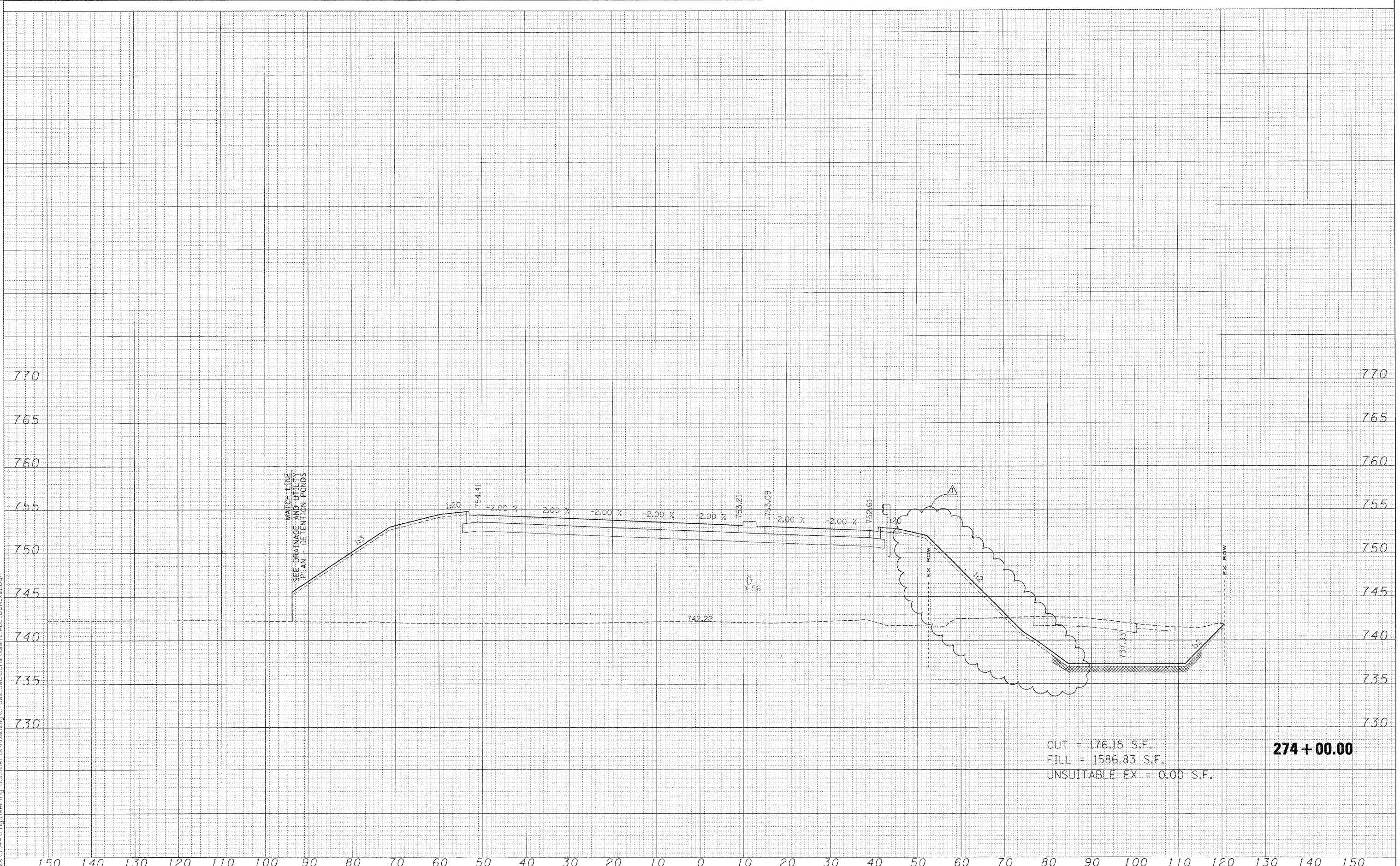
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#FILES#		DRAWN - MAC	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	361	06-00214-15-BR	KANE/DUPAGE	545	413
		CHECKED - JJT	REVISED -		STA. 273+50.00	TO STA. 273+50.00							
		DATE - 3/31/09	REVISED -										

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-15-BR	KANE/DUPAGE	545	413
CONTRACT NO. 63074				



DATE	
BY	
TOTAL SURVEYED	
SURVEY PLOTTED	
NOTE BOOK	
AREAS CHECKED	
AREAS CHECKED	
NO.	

DATE	
BY	
TOTAL SURVEYED	
SURVEY PLOTTED	
NOTE BOOK	
AREAS CHECKED	
AREAS CHECKED	
NO.	

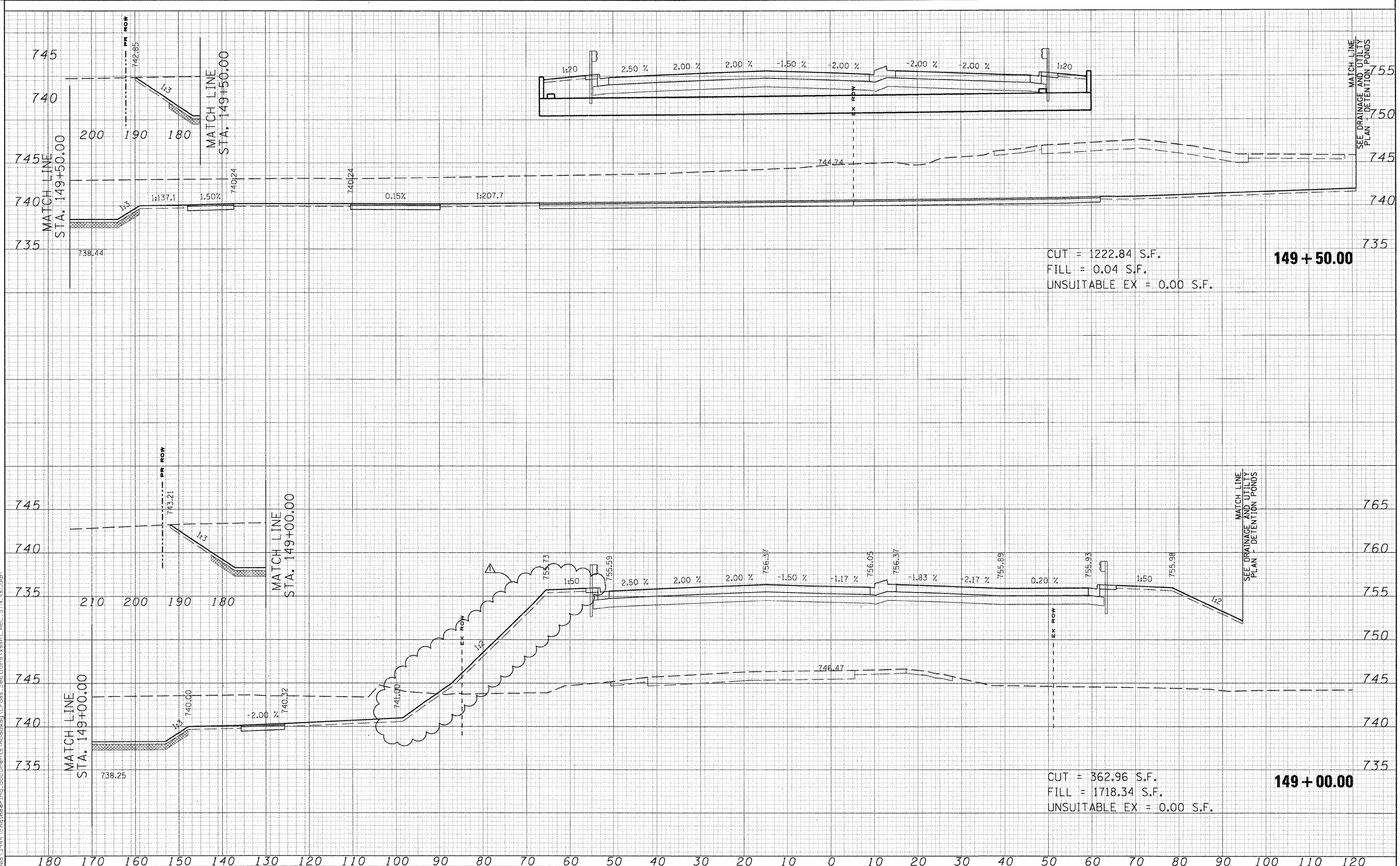


CUT = 176.15 S.F.  
 FILL = 1586.83 S.F.  
 UNSUITABLE EX = 0.00 S.F.  
**274 + 00.00**

FILE NAME =	USER NAME = #USERS	DESIGNED - MAC	REVISED - $\Delta$ ADDENDUM 6/5/09	<b>KANE COUNTY</b> <b>DIVISION OF TRANSPORTATION</b>	<b>DUNHAM ROAD CROSS SECTIONS</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILES		DRAWN - MAC	REVISED -			361	06-00214-15-BR	KANE/DUPAGE	545	414	
		CHECKED - JJT	REVISED -			CONTRACT NO. 63074					
		DATE - 3/31/09	REVISED -			ILLINOIS FED. AID PROJECT					

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 TOWN: \_\_\_\_\_ SURVEYED: \_\_\_\_\_ PLOTTED: \_\_\_\_\_  
 COUNTY: \_\_\_\_\_ SURVEY: \_\_\_\_\_ PLANT: \_\_\_\_\_  
 NO. \_\_\_\_\_ NOTE BOOK: \_\_\_\_\_ AREAS CHECKED: \_\_\_\_\_  
 NO. \_\_\_\_\_ AREAS CHECKED: \_\_\_\_\_

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 ORIGINAL SURVEY: \_\_\_\_\_ SURVEYED: \_\_\_\_\_ PLOTTED: \_\_\_\_\_  
 COUNTY: \_\_\_\_\_ SURVEY: \_\_\_\_\_ PLANT: \_\_\_\_\_  
 NO. \_\_\_\_\_ NOTE BOOK: \_\_\_\_\_ AREAS CHECKED: \_\_\_\_\_  
 NO. \_\_\_\_\_ AREAS CHECKED: \_\_\_\_\_



CUT = 1222.84 S.F.  
 FILL = 0.04 S.F.  
 UNSUITABLE EX = 0.00 S.F.

**149 + 50.00**

CUT = 362.96 S.F.  
 FILL = 1718.34 S.F.  
 UNSUITABLE EX = 0.00 S.F.

**149 + 00.00**

FILE NAME =	USER NAME = #USER#	DESIGNED - MAC	REVISED - <input checked="" type="checkbox"/> ADDENDUM 6/5/09	F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILES#		DRAWN - MAC	REVISED -	361	06-00214-15-BR	KANE/DUPAGE	545	479
		CHECKED - JJT	REVISED -	CONTRACT NO. 63074				
		DATE - 3/31/09	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

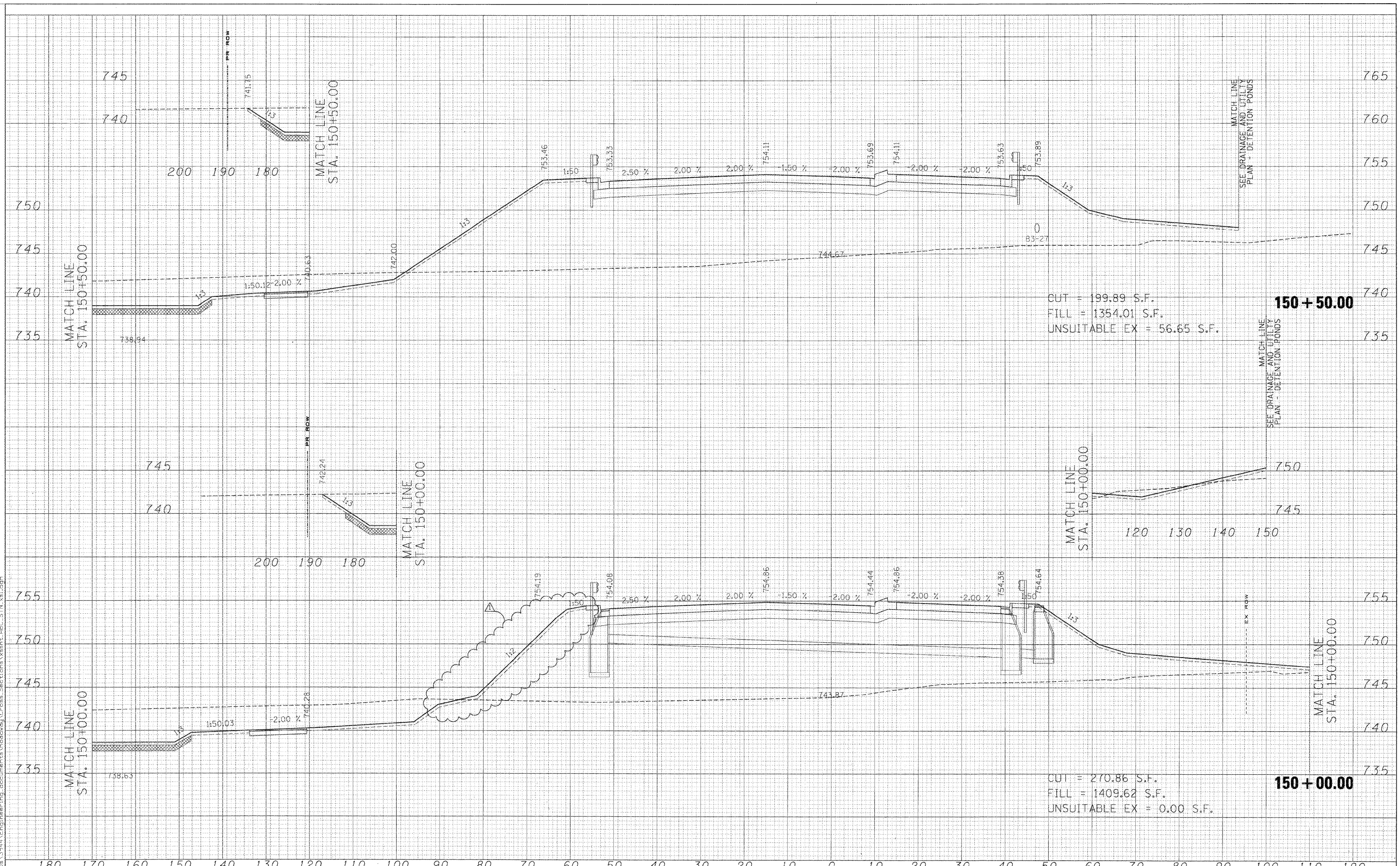
**KANE COUNTY  
 DIVISION OF TRANSPORTATION**

**STEARNS ROAD CROSS SECTIONS**

SCALE: SHEET NO. OF SHEETS STA. 149+00.00 TO STA. 149+50.00

DATE	
BY	
TITLE	
SURVEY	
NO.	
PLOTTED	
TEMPLATE	
AREAS CHECKED	

DATE	
BY	
TITLE	
SURVEY	
NO.	
PLOTTED	
TEMPLATE	
AREAS CHECKED	



CUT = 199.89 S.F.  
 FILL = 1354.01 S.F.  
 UNSUITABLE EX = 56.65 S.F.

CUT = 270.86 S.F.  
 FILL = 1409.62 S.F.  
 UNSUITABLE EX = 0.00 S.F.

FILE NAME =	USER NAME = *USER*	DESIGNED - MAC	REVISED - ADDENDUM 6/5/09	<b>KANE COUNTY</b> <b>DIVISION OF TRANSPORTATION</b>	<b>STEARNS ROAD CROSS SECTIONS</b>	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*FILES*	DESIGNED - MAC	REVISED -	361			06-00214-15-BR	KANE/DUPAGE	545	480	
PLOT SCALE = 10.0000' / IN.	CHECKED - JJT	REVISED -	CONTRACT NO. 63074							
PLOT DATE = 6/4/2009	DATE - 3/31/09	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							