F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65 *	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 60H20		

D-91-583-09

* 65 + 7 = 72

FOR INDEX OF SHEETS, SEE SHEET NO. 2

1-21-11 LETTING ITEM 104

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

Project Located in
THE VILLAGE OF WHEELING

PROPOSED HIGHWAY PLANS

FAP 343 – IL ROUTE 68 (DUNDEE ROAD)
SECTION: 98–B
OVER THE WHEELING DRAINAGE DITCH
BRIDGE REPLACEMENT, WATER MAIN

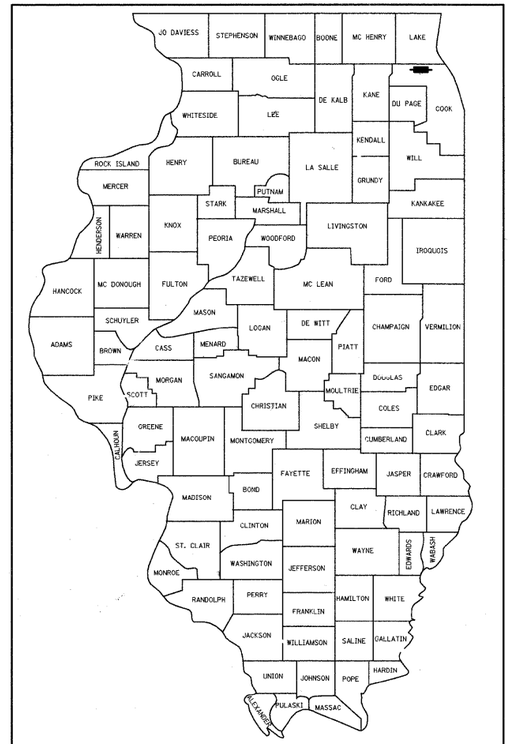
PROJECT: F-0343(017)

COOK COUNTY
C–91–583–09

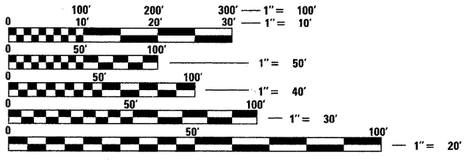
TRAFFIC DATA
2007 ADT: 34,300 VEHICLES
2007 ADTT: 1,375
2030 ADT: 35,000 VEHICLES

POSTED SPEED LIMIT
35 mph

DESIGN DESIGNATION
34,300 (2010) PRINCIPAL ARTERIAL
3.12 (FD-20)



LOCATION OF SECTION INDICATED THUS: –■–

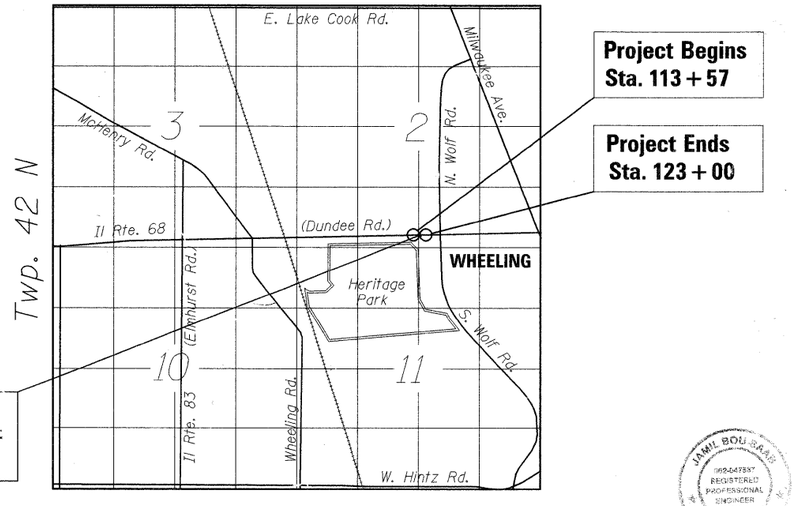


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1–800–892–0123
OR 811

EXISTING S.N. 016-0525
~~PROPOSED S.N. 016-2302~~
STA. 119+44

Range 11 E - 3rd. PM



Project Begins
Sta. 113 + 57

Project Ends
Sta. 123 + 00

WHEELING TOWNSHIP
LOCATION MAP
SCALE: 1" = 1650' ±

NET AND GROSS LENGTH OF IMPROVEMENT = 943 FT = 0.179 MI

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED NOVEMBER 16, 20 10
Diane M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

December 10 20 10
Scott E. Stitt, P.E. /a
acting ENGINEER OF DESIGN AND ENVIRONMENT

December 10 20 10
Christine M. Reed /a
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

JAMIL BOU-SAAB
062-047337
REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS
Expires: 11/30/11
11/15/10

ROBERT C. JANKE
081-004698
REGISTERED STRUCTURAL ENGINEER OF ILLINOIS
EXPIRES 11/30/12
11/13/10

DISTRICT ONE – DESIGN
PROJECT MANAGER: ISAAC KWARTENG (847) 705–4230
PROJECT ENGINEER: ALIX BRICE (847) 705–4552

CONTRACT NO. 60H20

AppliedTechnologies
CONSULTING ENGINEERS
468 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
PHONE: 847 265–7325, EXT 101
FAX: 847–265–7327

P-91-138-07-TITLE

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS AND GENERAL NOTES
3-4	SUMMARY OF QUANTITIES
5-6	EXISTING AND PROPOSED TYPICAL SECTIONS
7-9	SCHEDULE OF QUANTITIES
10	TRAFFIC SIGNAL QUANTITIES
11	EARTHWORK SCHEDULE
12	ALIGNMENT, TIES AND BENCHMARKS
13	MAINTENANCE OF TRAFFIC - STAGE I
14	MAINTENANCE OF TRAFFIC - STAGE II
15	EXISTING AND PROPOSED PLAN AND PROFILE
16	EXISTING AND PROPOSED DRAINAGE PLAN
17	EXISTING AND PROPOSED UTILITY PLAN
18	PROPOSED EROSION AND SEDIMENT CONTROL
19	PROPOSED PAVEMENT MARKINGS AND LANDSCAPING
20	EXISTING TRAFFIC SIGNAL PLAN
21	TRAFFIC SIGNAL MODIFICATION PLAN
22	CABLE PLAN
23	TEMPORARY WIRELESS INTERCONNECT PLAN
24	INTERCONNECT PLAN
25	TEMPORARY INTERCONNECT SCHEMATIC
26-29	PLAT OF HIGHWAYS
*30	BRIDGE PLANS - STRUCTURE *016-[redacted] 0525
*31	BORING LOG SHEETS
32	DISTRICT 1 - DRIVEWAY DETAILS DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5m) (BD-1)
33	DISTRICT 1 - DRIVEWAY DETAILS DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5m) (BD-2)
34	DISTRICT 1 - DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-8)
35	DISTRICT 1 - PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT (BD-22)
36	DISTRICT 1 - BUTT JOINT AND HMA TAPER DETAILS (BD-32)
37	DISTRICT 1 - BENCHING DETAIL FOR EMBANKMENT WIDENING (BD-51)
38	DISTRICT 1 - TEMPORARY LIGHT POLE DETAILS (BE-800)
39	DISTRICT 1 - TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS (TC-10)
40	DISTRICT 1 - TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT) (TC-11)
41	DISTRICT 1 - TYPICAL PAVEMENT MARKINGS (TC-13)
42	DISTRICT 1 - ARTERIAL ROAD INFORMATION SIGN (TC-22)
43	DISTRICT 1 - DRIVEWAY ENTRANCE SIGNING (TC-26)
44-49	DISTRICT 1 - STANDARD TRAFFIC SIGNAL DESIGN DETAILS
50-54	CROSS-SECTIONS IL ROUTE 68 (DUNDEE ROAD)
55	WHEELING DRAINAGE DITCH CROSS SECTION PLAN VIEW
56-58	CROSS-SECTIONS WHEELINC DRAINAGE DITCH
59	COMPENSATORY STORAGE PLAN VIEW
60-65	COMPENSATORY STORAGE CROSS-SECTIONS
*30A.-30G	STRUCTURE DETAILS

LIST OF HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
424001-05	CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
515001-03	NAME PLATE FOR BRIDGES
542401-01	METAL END SECTION FOR PIPE CULVERTS
601001-04	SUB-SURFACE DRAINS
602301-03	INLET - TYPE A
602306-03	INLET - TYPE B
602401-03	MANHOLE TYPE A
602421-02	MANHOLE TYPE A 9' (2.7M) DIAMETER
604001-03	FRAME AND LIDS TYPE 1
630001-09	STEEL PLATE BEAM GUARDRAIL
630301-05	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-09	TRAFFIC BARRIER TERMINAL, TYPE 6
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701602-05	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701801-04	LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES
704001-06	TEMPORARY CONCRETE BARRIER
814001-02	HANDHOLES

GENERAL NOTES

1. 3 METER (10 FEET) TRANSITIONS SHALL BE USED TO MATCH PROPOSED ITEMS OF WORK TO EXISTING ITEMS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
2. WHERE ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
3. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.
4. FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SANDBAGS PER BARRICADE.
5. THE REMOVAL OF EXISTING ENTRANCE CULVERTS SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
6. STORM SEWER WATER MAIN IS TO BE USED AT LOCATIONS WHERE LATERAL SEPARATION BETWEEN THE SEWER AND THE WATER MAIN IS LESS THAN 10 FT (3.0m) AND THE WATER MAIN INVERT IS LESS THAN 1.5 FT (0.45m) ABOVE THE STORM SEWER CROWN.
7. STORM SEWER, RUBBER GASKET IS TO BE USED AT LOCATIONS WHERE THE WATER MAIN CROSSES BELOW THE SEWER, REGARDLESS OF VERTICAL SEPARATION OR WHERE THE BOTTOM OF THE WATER MAIN IS LESS THAN 1.5 FT (0.45m) ABOVE THE TOP OF SEWER.
8. BEFORE ORDERING STORM SEWERS, CATCH BASINS, PIPE CULVERTS, PIPE DRAINS, AND MANHOLES, THE CONTRACTOR SHALL CONTACT THE ENGINEER AS TO THE EXACT LENGTH AND QUANTITY REQUIRED.
9. THE BITUMINOUS MATERIAL PRIME COAT QUANTITIES HAVE BEEN DETERMINED USING A RATE OF 0.44 GAL/YD^2.
10. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, THE VILLAGE OF WHEELING AND USGS.
11. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
12. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1½ INCHES WHERE SPEED LIMIT IS 45mph OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45mph. WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF MILLING IS SLOPED A MINIMUM 1:3 (V:H).
13. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
14. THE RESIDENT ENGINEER SHALL CONTACT THE AREA TRAFFIC FIELD ENGINEER, WALTER CZARNY, AT 847-715-8419 AT LEAST TWO (2) WEEKS PRIOR TO PLACING PERMANENT PAVEMENT MARKINGS.
15. ELEVATIONS SHOWN ON THE PLANS ARE BASED ON I.D.O.T. DATUM. (USGS MEAN SEA LEVEL DATUM).
16. ALL SAWCUTS SHALL BE INCLUDED IN THE COST OF APPROACH SLAB REMOVAL.
17. THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.
18. THE CONTRACTOR SHALL PREPARE IN-STREAM WORK PLANS (ALL COFFERDAMS, WORK PADS, AND EROSION AND SEDIMENT CONTROL, ETC.) AND SUBMIT TO THE ENGINEER AND THE U.S. ARMY CORPS OF ENGINEERS FOR REVIEW AND APPROVAL. THE CONTRACTOR SHOULD EXPECT TO HAVE TO ATTEND MEETINGS AT THE USACOE OFFICE TO DISCUSS THEIR WORK PLAN IN ORDER TO SECURE THEIR PERMIT. THE COST OF ALL IN-STREAM WORK ITEMS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
19. ANY INSTREAM WORK MUST BE APPROVED BY THE ARMY CORPS OF ENGINEERS IN WRITING BEFORE THAT WORK CAN BE STARTED.

Rev.

Applied Technologies

FILE NAME = ⊕FILEL⊕	USER NAME = RDS	DESIGNED - JDD	REVISED -
		DRAWN - RDS	REVISED -
	PLOT SCALE = 1'=50'	CHECKED -	REVISED -
	PLOT DATE = 11-12-10	DATE - 11-12-10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, HIGHWAY STANDARDS AND GENERAL NOTES
IL ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. 113+57.00 TO STA. 123+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	2
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

80% FED. 20% STATE

CODE NO.	ITEM	UNIT	URBAN TOTAL	CONSTRUCTION TYPE CODE: ROAD 0004	BRIDGE 0011	100% VILLAGE OF WHEELING 0043
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	332	332		
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	151	151		
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	750	750		
20300100	CHANNEL EXCAVATION	CU YD	210		210	
20200100	EARTH EXCAVATION	CU YD	2,225	2,225		
Z0042002	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	144	144		
20700220	POROUS GRANULAR EMBANKMENT	CU YD	2,610		2,610	
20800150	TRENCH BACKFILL	CU YD	1,040	340	700	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	3,010	3,010		
25000310	SEEDING, CLASS 4	ACRE	0.06	0.06		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	168	168		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	168	168		
25100630	EROSION CONTROL BLANKET	SQ YD	9,320	9,320		
25200110	SODDING, SALT TOLERANT	SQ YD	2,788	2,788		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1,865	1,865		
28000400	PERIMETER EROSION BARRIER	FOOT	1,631	1,631		
28000510	INLET FILTERS	EACH	20	20		
28100107	STONE RIPRAP, CLASS A4	SQ YD	330		330	
28200200	FILTER FABRIC	SQ YD	420		420	
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	165	165		
40300100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	3,115	3,115		
40600300	AGGREGATE (PRIME COAT)	TON	80	80		
40600895	CONSTRUCTING TEST STRIP	EACH	2	2		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	51	51		
40603240	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	284	284		
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	155	25		△ 130
40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	330	330		
40701926	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 12 1/4"	SQ YD	3,340	3,340		
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	40	40		
42000300	PORTLAND CEMENT CONCRETE PAVEMENT 8"	SQ YD	360	360		
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	5,240	5,240		
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	1,416	1,416		
42400800	DETECTABLE WARNINGS	SQ FT	224	224		
44000100	PAVEMENT REMOVAL	SQ YD	2,335	2,335		
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	2,465	2,465		

△ 80% STATE/20% WHEELING - 0038 (BIKE PATH)

SUMMARY OF QUANTITIES

80% FED. 20% STATE

CODE NO.	ITEM	UNIT	URBAN TOTAL	CONSTRUCTION TYPE CODE: ROAD 0004	BRIDGE 0011	100% VILLAGE OF WHEELING 0043
Z0004544	HOT-MIX ASPHALT DRIVEWAY PAVEMENT REMOVAL	SQ YD	22	22		
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	552	552		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,990	1,990		
44000600	SIDEWALK REMOVAL	SQ FT	11,080	11,080		
Z0004552	APPROACH SLAB REMOVAL	SQ YD	222	222		
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1	
50200100	STRUCTURE EXCAVATION	CU YD	2,550		2,550	
~~50202001~~	~~COFFERDAM (LOCATION 1)~~	~~EACH~~	~~1~~		~~1~~	
~~50202002~~	~~COFFERDAM (LOCATION 2)~~	~~EACH~~	~~1~~		~~1~~	
50300225	CONCRETE STRUCTURES	CU YD	210		210	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	17,420		17,420	
50800515	BAR SPLICERS	EACH	26		26	
50901720	BICYCLE RAILING	FOOT	38		38	
50901750	PARAPET RAILING	FOOT	75		75	
51500100	NAME PLATES	EACH	1		1	
55101200	STORM SEWER REMOVAL 24"	FOOT	42	42		
55101900	STORM SEWER REMOVAL 48"	FOOT	33	33		
56100500	WATER MAIN 4"	FOOT	10			10
56100600	WATER MAIN 6"	FOOT	210			210
56100700	WATER MAIN 8"	FOOT	30			30
56100900	WATER MAIN 12"	FOOT	940			940
56104800	WATER VALVES 4"	EACH	1			1
56104900	WATER VALVES 6"	EACH	2			2
56105200	WATER VALVES 12"	EACH	2			2
56200300	WATER SERVICE 1" (LINE)	FOOT	210			210
56200700	WATER SERVICE 2" (LINE)	FOOT	25			25
56400500	FIRE HYDRANTS TO BE REMOVED	EACH	3			3
60107600	PIPE UNDERDRAINS 4"	FOOT	240	240		
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2		
60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	5	5		
60240210	INLETS, TYPE B, TYPE 1 FRAME, OPEN LID	EACH	4	4		
60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	6			6
60255500	MANHOLES TO BE ADJUSTED	EACH	1	1		

* = SPECIALTY ITEM

Rev.

Applied Technologies

FILE NAME = *FILE1*	USER NAME = RDS	DESIGNED - JDD	REVISED -
		DRAWN - RDS	REVISED -
	PLOT SCALE = 1"=50'	CHECKED -	REVISED -
	PLOT DATE = 11-12-10	DATE - 11-12-10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. 113+57.00 TO STA. 123+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	3
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

80% FED. 20% STATE

CONSTRUCTION TYPE CODE

	CODE NO.	ITEM	UNIT	URBAN TOTAL	ROAD 0004	BRIDGE 0011	100% VILLAGE OF WHEELING 0043
	60257900	MANHOLES TO BE RECONSTRUCTED	EACH	1	1		
	60262700	INLETS TO BE RECONSTRUCTED	EACH	1	1		
	X6026622	VALVE VAULTS TO BE REMOVED	EACH	4			4
	60500060	REMOVING INLETS	EACH	9	9		
	60600605	CONCRETE CURB, TYPE B	FOOT	336	336		
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1,842	1,842		
*	63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	145	145		
*	63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2	2		
*	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2		
	63200310	GUARDRAIL REMOVAL	FOOT	30	30		
	X6640300	CHAIN LINK FENCE REMOVAL	FOOT	30	30		
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	9	9		
	67100100	MOBILIZATION	L SUM	1	1		
	X7010216	TRAFFIC CONTROL AND PROTECTION,(SPECIAL)	L SUM	1	0.5	0.5	
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	180	90	90	
	70300100	SHORT TERM PAVEMENT MARKING	FOOT	943	943		
	70301000	WORKZONE PAVEMENT MARKING REMOVAL	SQ FT	1,690	1,690		
	70400100	TEMPORARY CONCRETE BARRIER	FOOT	980	980		
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	970	970		
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	161.2	161.2		
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3,230	3,230		
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	20	20		
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	36	36		
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	100	100		
*	78200200	BIDIRECTIONAL PRISMATIC BARRIER REFLECTOR	EACH	79	79		
*	78200410	GUARD RAIL MARKERS, TYPE A	EACH	2	2		
*	78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	2	2		
	78300100	PAVEMENT MARKING REMOVAL	SQ FT	1,335	1,335		
	78300200	RAISED REFLECTIVE PAVEMENT MARKING REMOVAL	EACH	95	95		
*	81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	1,708	1,708		
*	81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	887	887		
*	81400100	HANDHOLE	EACH	5	5		
*	81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1,708	1,708		
*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2	2		

SUMMARY OF QUANTITIES

80% FED. 20% STATE

CONSTRUCTION TYPE CODE

	CODE NO.	ITEM	UNIT	URBAN TOTAL	ROAD 0004	BRIDGE 0011	100% VILLAGE OF WHEELING 0043
*	87301305	ELECTRIC CABLE IN CONDUIT, LEAD IN, NO. 14 1 PAIR	FOOT	401	401		
*	87900200	DRILL EXISTING HANDHOLE	EACH	2	2		
*	88600100	DETECTOR LOOP, TYPE 1	FOOT	66	66		
*	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	698	698		
*	89502380	REMOVE EXISTING HANDHOLE	EACH	10	10		
	550A0330	STORM SEWERS, CLASS A, TYPE 2 10"	FOOT	19	19		
	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	80	80		
	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	72	72		
	550A0480	STORM SEWERS, CLASS A, TYPE 2 48"	FOOT	65	65		
	X0301339	REMOVE EXISTING PARKING BLOCKS	EACH	9	9		
*	Z0033066	TRACER CABLE	FOOT	2,960	2,960		
	X0323378	CONCRETE PARKING BLOCKS (SUB)	EACH	9	9		
	X0323330	PRECAST CONCRETE STRUCTURE	L SUM	1		1	
	X0324032	THREE-SIDED PRECAST CONCRETE STRUCTURES 36' x 11'	FOOT	86		86	
	X0325241	TEMPORARY PAVEMENT 11"	SQ YD	170	170		
	X0325290	CORED DRAIN HOLES	EACH	7	7		
	X0325577	UNDERWATER STRUCTURE EXCAVATION PROTECTION, SPECIAL-LOCATION 1	EACH	1		1	
	Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	2	2		
	X0325578	UNDERWATER STRUCTURE EXCAVATION PROTECTION, SPECIAL-LOCATION 2	EACH	1		1	
	X0325938	TEMPORARY WIRELESS INTERCONNECT, COMPLETE	L SUM	1	1		
	X4404000	PARKING LOT PAVEMENT REMOVAL	SQ YD	1240	1240		
	X5630008	CUT AND CAP EXISTING 8" WATER MAIN	EACH	2			2
	X5640150	FIRE HYDRANT ASSEMBLY COMPLETE	EACH	3			3
	X6020098	MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1		
	X7030104	WET TEMPORARY PAVEMENT MARKING TAPE, TYPE III, 4 INCH	FOOT	7,800	7,800		
*	X8710020	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	2,977	2,977		
Δ	XZ191305	AGGREGATE SUBGRADE	TON	370	370		
	Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	4,650	4,650		
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	0.5	0.5	
	Z0001900	ASBESTOS BEARING PAD REMOVAL	EACH	40		40	
	Z0030275	IMPACT ATTENUATORS, TEMPORARY (SEVERE USE, NARROW), TEST LEVEL 2	EACH	2	2		
	Z0030355	IMPACT ATTENUATORS, RELOCATE (SEVERE USE), TEST LEVEL 2	EACH	2	2		
	Z0026407	TEMPORARY SHEET PILING	SQ FT	2,700		2,700	
	Z0044800	PRESSURE CONNECTION 8" x 8"	EACH	2			2
	Z0067600	STEEL CASINGS 18"	FOOT	160			160
	Z0067900	STEEL CASINGS 24"	FOOT	75			75
	Z0073002	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	550		550	
*	~~STREET LIGHTING~~		~~L SUM~~	~~1~~	~~0~~	~~0~~	~~1~~

* = SPECIALTY ITEM

Δ 80% STATE/20% WHEELING - 0038 (BIKE PATH)

Rev.

Applied Technologies

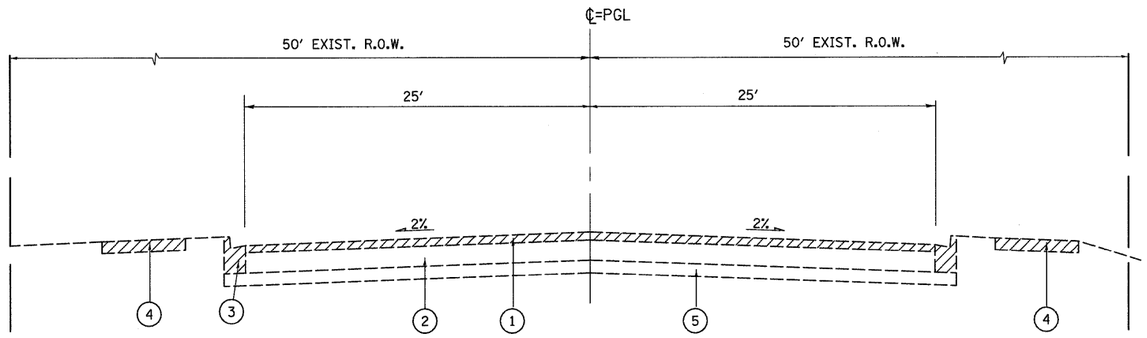
FILE NAME = $FILEL$	USER NAME = RDS	DESIGNED - JDD	REVISED -
		DRAWN - RDS	REVISED -
	PLOT SCALE = 1"=50'	CHECKED -	REVISED -
	PLOT DATE = 11-12-10	DATE - 11-12-10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
IL ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH

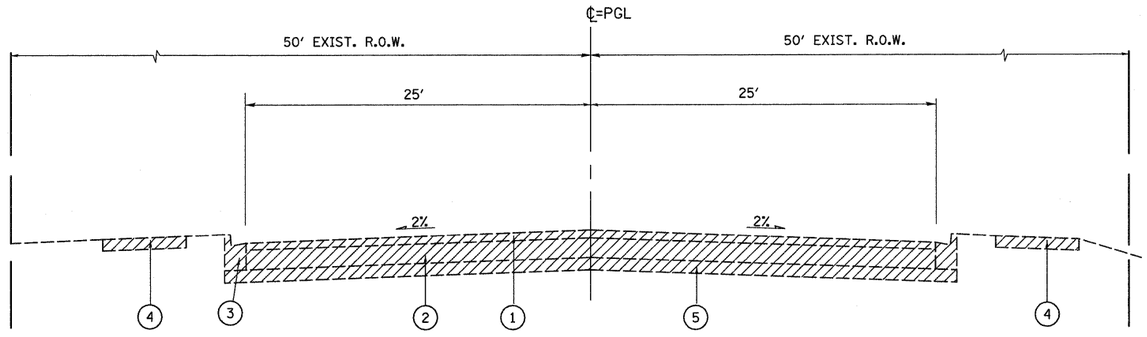
SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. 113+57.00 TO STA. 123+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	4
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



ILLINOIS ROUTE 68
STA. 113+57 TO STA. 116+00
STA. 121+00 TO STA. 123+00

① EXISTING HOT-MIX ASPHALT SURFACE, THICKNESS VARIES, PAID AS HOT-MIX ASPHALT SURFACE REMOVAL, 2″
② EXISTING PCC PAVEMENT, BASE COURSE, ±9″
③ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
④ EXISTING CONCRETE SIDEWALK
⑤ EXISTING STABILIZED SUBBASE, 4″



ILLINOIS ROUTE 68
STA. 116+00 TO STA. 119+24
STA. 119+64 TO 121+00
BRIDGE OMISSION: STA. 119+24 TO STA. 119+64

① EXISTING HOT-MIX ASPHALT SURFACE, THICKNESS VARIES, PAID AS HOT-MIX ASPHALT SURFACE REMOVAL, 2″
② EXISTING PCC PAVEMENT, BASE COURSE, ±9″
③ EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
④ EXISTING CONCRETE SIDEWALK
⑤ EXISTING STABILIZED SUBBASE, 4″

Applied Technologies

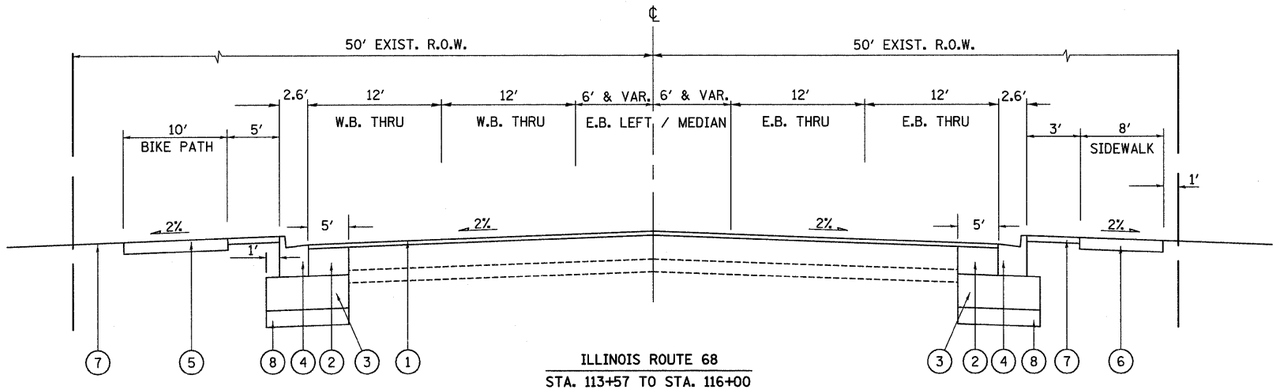
FILE NAME = ⊕FILEL⊕	USER NAME = RDS	DESIGNED - JDD	REVISED -
		DRAWN - RDS	REVISED -
	PLOT SCALE = 1″=50′	CHECKED -	REVISED -
	PLOT DATE = 11-12-10	DATE - 11-12-10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTIONS
IL ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. 113+57.00 TO STA. 123+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	5
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



ILLINOIS ROUTE 68
STA. 113+57 TO STA. 116+00
STA. 121+00 TO STA. 123+00

(1) PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX F, N90, IL 9.5, 2"
(2) PROPOSED POLYMERIZED HMA BINDER COURSE, IL-19.0, N90, 10¼" (IN 3 LIFTS)
(3) PROPOSED AGGREGATE SUBGRADE, 12"
(4) PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
(5) PROPOSED HMA BIKE PATH INCLUDING:
PROPOSED HMA SURFACE COURSE, MIX "C", N50, 2½"
PROPOSED AGGREGATE SUBGRADE, 6"
(6) PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 5 INCHES
(7) PROPOSED TOPSOIL FURNISH AND PLACE, 4"
(8) PROPOSED POROUS GRANULAR EMBANKMENT, SUBGRADE 6"

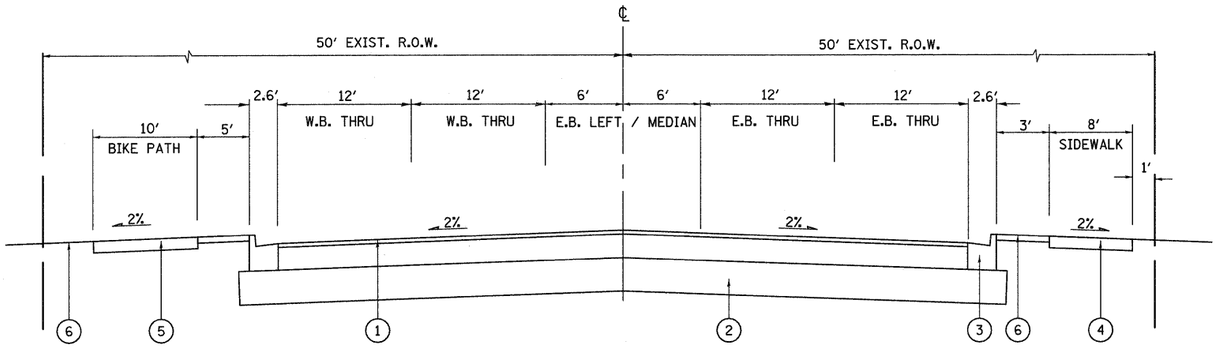
HOT-MIX ASPHALT MIXTURE REQUIREMENTS

NOTE: CONTRACTOR SHALL MILL BEFORE PATCHING

MIXTURE TYPE	AIR VOIDS @ Ndes
PAVEMENT RESURFACING/WIDENING	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5mm)	4% @ 90 GYR
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	4% @ 90 GYR
TEMPORARY PAVEMENT (HMA BINDER IL-19mm)	4% @ 50 GYR
INCIDENTAL HMA SURFACING (HMA SURFACE COURSE (IL-9.5mm))	4% @ 50 GYR
HMA PAVEMENT (FULL DEPTH)	
2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5mm)	4% @ 90 GYR
10¼" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	4% @ 90 GYR
COMMERCIAL ENTRANCES AND BIKE PATH	
2" (PARKING LOT & DR) HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL-9.5mm)	4% @ 50 GYR
2½" (BIKE PATH) HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL-9.5mm)	4% @ 50 GYR
8" HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19mm)	4% @ 50 GYR

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQYD/IN
THE "AC TYPE " FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS

FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS



ILLINOIS ROUTE 68
STA. 116+00 TO STA. 121+00

(1) PROPOSED HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 12¼" INCLUDING:
PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX F, N90, IL 9.5, 2"
PROPOSED POLYMERIZED HMA BINDER COURSE, IL-19.0, N90, 10¼" (IN 3 LIFTS)
(2) PROPOSED AGGREGATE SUBGRADE, 12"
(3) PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
(4) PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 5 INCHES
(5) PROPOSED HMA BIKE PATH INCLUDING:
PROPOSED HMA SURFACE COURSE, MIX "C", N50, 2½"
PROPOSED AGGREGATE SUBGRADE, 6"
(6) PROPOSED TOPSOIL FURNISH AND PLACE, 4"

STRUCTURAL PAVEMENT DESIGN INFORMATION

STRUCTURAL DESIGN TRAFFIC: YEAR 2020
PV = 33,600 SU = 700 MU = 700

ROAD/STREE CLASSIFICATION: CLASS II

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
P = 32 S = 45 M = 45

TRAFFIC FACTOR:
ACTUAL TF = 3.12 AC TYPE = 20 MINIMUM TF = 3.12

PG GRADE:
BINDER = 64-22/58-22 SURFACE = 64-22

SUBGRADE SUPPORTING RATING:
SSR = POOR (STA. 113+57 TO 123+00)

AppliedTechnologies

FILE NAME = $FILEL$	USER NAME = RDS	DESIGNED - JDD	REVISED -
		DRAWN - RDS	REVISED -
	PLOT SCALE = 1"=50'	CHECKED -	REVISED -
	PLOT DATE = 11-12-10	DATE - 11-12-10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED TYPICAL SECTIONS
IL ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. 113+57.00 TO STA. 123+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	6
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

POROUS GRANULAR EMBANKMENT, SUBGRADE

STA TO STA	CU YD
113+57 TO 116+00 LT	40
113+57 TO 116+00 RT	40
121+00 TO 123+00 LT	32
121+00 TO 123+00 RT	32
TOTAL	144

TOPSOIL FURNISH AND PLACE, 4"

STA TO STA	SQ YD
113+57 TO 119+25 LT	1,300
113+57 TO 119+25 RT	953
119+64 TO 123+00 LT	260
119+64 TO 123+00 RT	497
TOTAL	3,010

SEEDING, CLASS 4

STA TO STA	ACRE
119+00 TO 119+25 LT	0.03
118+90 TO 119+25 RT	0.01
119+64 TO 119+80 LT	0.01
119+64 TO 119+80 RT	0.01
TOTAL	0.06

NITROGEN FERTILIZER NUTRIENT

STA TO STA	POUND
113+57 TO 119+25 LT	72
113+57 TO 119+25 RT	53
119+64 TO 123+00 LT	15
119+64 TO 123+00 RT	28
TOTAL	168

POTASSIUM FERTILIZER NUTRIENT

STA TO STA	POUND
113+57 TO 119+25 LT	72
113+57 TO 119+25 RT	53
119+64 TO 123+00 LT	15
119+64 TO 123+00 RT	28
TOTAL	168

EROSION CONTROL BLANKET

STA TO STA	SQ YD
113+57 TO 119+25 LT	3,898
119+00 TO 119+25 LT	150
113+57 TO 119+25 RT	2,860
118+90 TO 119+25 RT	75
119+64 TO 123+00 LT	782
119+64 TO 119+80 LT	20
119+64 TO 119+80 RT	45
119+64 TO 123+00 RT	1,490
TOTAL	9,320

SODDING, SALT TOLERANT

STA TO STA	SQ YD
113+57 TO 119+25 LT	1,196
113+57 TO 119+25 RT	870
119+64 TO 123+00 LT	274
119+64 TO 123+00 RT	448
TOTAL	2,788

TEMPORARY EROSION CONTROL SEEDING

STA TO STA	POUND
113+57 TO 119+25 LT	805
113+57 TO 119+25 RT	591
119+64 TO 123+00 LT	162
119+64 TO 123+00 RT	308
TOTAL	1,865

PERIMETER EROSION BARRIER

STA TO STA	FOOT
113+57 TO 119+25 LT	595
113+57 TO 119+25 RT	504
119+64 TO 123+00 LT	267
119+64 TO 123+00 RT	265
TOTAL	1,631

INLET FILTERS

STA	EACH
114+52 RT	2
116+61 RT	2
118+45 RT	2
120+70 RT	2
122+36 RT	2
114+52 LT	2
116+58 LT	2
118+75 LT	2
120+70 LT	2
122+35 LT	2
TOTAL	20

BITUMINOUS MATERIALS (PRIME COAT)

STA TO STA	GALLON
STAGE I	1,260
STAGE II	1,855
TOTAL	3,115

AGGREGATE (PRIME COAT)

STA TO STA	TON
STAGE I	32
STAGE II	48
TOTAL	80

CONSTRUCTING TEST STRIP

STA	EACH
STAGE I	1
STAGE II	1
TOTAL	2

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

STA	SQ YD
113+57	25
123+00	26
TOTAL	51

POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90

STA TO STA	TON
STAGE I	142
STAGE II	142
TOTAL	284

HOT-MIX ASPHALT BINDER COURSE, MIX "C", N50

STA TO STA	TON
BIKEPATH, 2½ INCH	
113+87 TO 120+26	100
120+47 TO 120+80	5
121+05 TO 122+21	18
122+45 TO 123+00	7
DRIVEWAY, 2 INCH	
118+62 TO 122+22	5
HMA PARKING LOT, 2 INCH	
119+89 TO 122+00 LT	15
TOTAL	150

POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90

STA	TON
STAGE I	165
STAGE II	165
TOTAL	330

INCIDENTAL HOT-MIX ASPHALT SURFACING

STA	TON
STAGE I	20
STAGE II	20
TOTAL	40

HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 12¼"

STA	SQ YD
STAGE I	1,390
STAGE II	1,950
TOTAL	3,340

PORTLAND CEMENT CONCRETE PAVEMENT 8"

STA	SQ YD
114+36.5 RT	26
115+66 RT	25
115+84 RT	26
118+62 RT	22
120+00 RT	26
120+37 LT	47
120+91 LT	51
121+08 LT	30
122+08 RT (RT IN)	19
122+58 RT (RT OUT)	24
122+25 LT	64
TOTAL	360

PORTLAND CEMENT CONCRETE SIDEWALK, 5"

STA TO STA	SQ FT
114+46 TO 115+55 RT	872
115+77 TO 116+73 RT	768
116+95 TO 118+52 RT	1,256
118+72 TO 119+88 RT	928
120+12 TO 120+94 RT	656
121+20 TO 122+15 RT	760
TOTAL	5,240

PORTLAND CEMENT CONCRETE SIDEWALK, 8"

DRIVE LOCATION	SQ FT
114+36.5 RT	160
115+66 RT	208
115+84 RT	200
118+62 RT	192
120+00 RT	192
121+08 RT	224
122+08 RT	112
122+58 RT	128
TOTAL	1,416

DETECTABLE WARNINGS

STA	SQ FT
114+26 RT	16
114+46 RT	16
115+55 RT	16
115+77 RT	16
116+73 RT	16
116+95 RT	16
118+52 RT	16
118+72 RT	16
119+88 RT	16
120+12 RT	16
120+94 RT	16
121+20 RT	16
122+15 RT	16
122+35 RT	16
TOTAL	224

PAVEMENT REMOVAL

STA	SQ YD
STAGE I	770
STAGE II	1,565
TOTAL	2,335

Applied Technologies

FILE NAME = ⊕FILEL⊕	USER NAME = RDS	DESIGNED - JDD	REVISED -
		DRAWN - RDS	REVISED -
	PLOT SCALE = 1"=50'	CHECKED -	REVISED -
	PLOT DATE = 11-12-10	DATE - 11-12-10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
IL ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH

SCALE: 1"=50' | SHEET NO. OF SHEETS | STA. 113+57.00 TO STA. 123+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	7
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

HOT-MIX ASPHALT SURFACE REMOVAL, 2"

STA	SQ YD
STAGE I	
113+57 TO 116+00	585
121+00 TO 123+00	485
STAGE II	
113+57 TO 116+00	765
121+00 TO 123+00	630
TOTAL	2,465

HOT-MIX ASPHALT DRIVEWAY PAVEMENT REMOVAL

STA	SQ YD
120+37 LT	2
120+91 LT	3
122+25 LT	3
118+62 RT	8
120+00 RT	3
121+08 RT	3
TOTAL	22

DRIVEWAY PAVEMENT REMOVAL

STA	SQ YD
114+36.5 RT	48
115+66 RT	52
115+84 RT	50
118+62 RT	40
120+00 RT	52
120+37 LT	51
120+91 LT	60
121+08 RT	56
122+25 LT	52
122+33 RT	91
TOTAL	552

COMBINATION CURB AND GUTTER REMOVAL

STA TO STA	FOOT
STAGE I	
113+57 TO 119+24 RT	567
119+64 TO 123+00 RT	336
STAGE II	
112+65 TO 113+57 LT	92
112+65 TO 113+57 RT	92
113+57 TO 119+24 LT	567
119+64 TO 123+00 LT	336
TOTAL	1,990

SIDEWALK REMOVAL

STA TO STA	SQ FOOT
STAGE I	
113+57 TO 119+24 RT	4,568
119+64 TO 123+00 RT	1,705
STAGE II	
112+65 TO 115+57 LT	415
113+57 TO 119+24 LT	2,572
117+53 TO 118+68 LT	460
119+64 TO 123+00 LT	1,360
TOTAL	11,080

APPROACH SLAB REMOVAL

STA TO STA	SQ YD
STAGE I	
119+04 TO 119+24	48
119+64 TO 119+84	48
STAGE II	
119+04 TO 119+24	63
119+64 TO 119+84	63
TOTAL	222

STORM SEWERS, CLASS A, TYPE 2, 10"

STA	FOOT
116+61 RT	6
120+70 RT	5
122+36 RT	3
120+70 LT	5
TOTAL	19

STORM SEWERS, CLASS A, TYPE 2, 12"

STA	FOOT
114+52 LT	11
114+52 RT	5
116+58 LT	7
118+45 RT	7
118+75 LT	12
TOTAL	42

STORM SEWERS, CLASS A, TYPE 2, 24"

STA	FOOT
120+04	75
TOTAL	75

STORM SEWERS, CLASS A, TYPE 2, 48"

STA	FOOT
118+91	65
TOTAL	65

PIPE UNDERDRAINS, 4"

STA	FOOT
114+26 TO 114+56 LT	30
114+30 TO 114+60 RT	30
122+36 TO 122+66 LT	30
122+36 TO 122+66 RT	30
116+25	60
120+75	60
TOTAL	240

MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME , CLOSED LID

STA	EACH
120+04	1
120+70	1
TOTAL	2

INLETS, TYPE A, TYPE 1 FRAME, OPEN LID

STA	EACH
114+52 RT	1
116+61 RT	1
118+45 RT	1
120+70 RT	1
122+36 RT	1
TOTAL	5

INLETS, TYPE B, TYPE 1 FRAME, OPEN LID

STA	EACH
114+52 LT	1
116+58 LT	1
118+75 LT	1
120+70 LT	1
TOTAL	4

MANHOLES TO BE RECONSTRUCTED

STA	EACH
114+42	1
TOTAL	1

INLETS TO BE RECONSTRUCTED

STA	EACH
122+35 LT	1
TOTAL	1

REMOVING INLETS

STA	EACH
114+52 RT	1
116+61 RT	1
118+45 RT	1
120+70 RT	1
122+36 RT	1
114+52 LT	1
116+58 LT	1
118+75 LT	1
120+70 LT	1
TOTAL	9

CONCRETE CURB, TYPE B

DR STA	FOOT
114+36.5 RT	32
115+66 RT	34
115+84 RT	34
118+62 RT	32
120+00 RT	32
121+08 RT	32
RT-IN RT-OUT	104
122+25 LT	36
TOTAL	336

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24

STA TO STA	FOOT
113+57 TO 119+22 LT	565
119+66 TO 123+00 LT	334
113+57 TO 123+00 RT	943
TOTAL	1,842

STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS

STA TO STA	FOOT
118+70 TO 119+25 RT	55
119+63 TO 120+23 LT	60
TOTAL	115

TRAFFIC BARRIER TERMINAL, TYPE 6

STA	EACH
119+25 RT	1
119+63 LT	1
TOTAL	2

TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

STA	EACH
118+70 RT	1
120+23 LT	1
TOTAL	2

CHAIN LINK FENCE REMOVAL

STA TO STA	FOOT
119+63 TO 119+88 RT	30
TOTAL	30

WORK ZONE PAVEMENT MARKING REMOVAL

STA TO STA	SQ FT
STAGE I	
113+20 TO 115+15 RT	65
113+20 TO 115+15 DOUBLE CL	130
121+00 TO 123+00 RT	67
121+00 TO 123+00 DOUBLE CL	133
STAGE II	
ALL STAGE II TEMP	1,295
TOTAL	1,690

SHORT-TERM PAVEMENT MARKING

STA TO STA	FOOT
113+57 TO 123+00	943
TOTAL	943

TEMPORARY CONCRETE BARRIER

STA TO STA	FOOT
STAGE I	
113+20 TO 123+00	980
TOTAL	980

RELOCATE TEMPORARY CONCRETE BARRIER

STA TO STA	FOOT
STAGE II	
113+50 TO 123+20	970
TOTAL	970

Applied Technologies

FILE NAME = *FILEL*	USER NAME = RDS	DESIGNED - JDD	REVISED -
		DRAWN - RDS	REVISED -
	PLOT SCALE = 1'=50'	CHECKED -	REVISED -
	PLOT DATE = 11-12-10	DATE - 11-12-10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
IL ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. 113+57.00 TO STA. 123+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	8
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS

STA	SQ FT
114+00 - TWIN LT TURN ARROWS	31.2
116+33 - TWIN LT TURN ARROWS	31.2
118+66 - TWIN LT TURN ARROWS	31.2
121+00 - TWIN LT TURN ARROWS	31.2
123+00 - ONLY	20.8
- LT TURN ARROW	15.6
TOTAL	161.2

THERMOPLASTIC PAVEMENT MARKING - LINE 4 INCH

STA TO STA	FOOT
WHITE	
113+20 TO 123+20 RT	250
113+20 TO 123+20 LT	250
WHITE SUBTOTAL	500
DOUBLE YELLOW	
121+45 TO 123+00	310
DOUBLE YELLOW SUBTOTAL	310
YELLOW	
113+20 TO 121+45 RT	210
113+20 TO 121+45 LT	210
113+20 TO 123+20 RT	1000
113+20 TO 123+20 LT	1000
YELLOW SUBTOTAL	2,420
TOTAL	3,230

THERMOPLASTIC PAVEMENT MARKING - LINE 6 INCH

STA TO STA	FOOT
123+00 TO 123+20	20
TOTAL	20

THERMOPLASTIC PAVEMENT MARKING - LINE 12 INCH

STA TO STA	FOOT
121+45 TO 123+00	36
TOTAL	36

RAISED REFLECTIVE PAVEMENT MARKER

STA TO STA	EACH
ONE-WAY CRYSTAL	
113+20 TO 123+20	52
TWO-WAY AMBER	
113+20 TO 121+45	42
ONE-WAY AMBER	
121+45 TO 123+00	6
TOTAL	100

BIDIRECTIONAL PRISMATIC BARRIER REFLECTOR

STA TO STA	EACH
STAGE I	
113+20 TO 123+00	40
STAGE II	
113+50 TO 123+20	39
TOTAL	79

GUARDRAIL MARKERS, TYPE A

STA	EACH
119+20 RT	1
119+73 LT	1
TOTAL	2

TERMINAL MARKER - DIRECT APPLIED

STA	EACH
118+70 RT	1
120+23 LT	1
TOTAL	2

PAVEMENT MARKING REMOVAL

STA TO STA	SQ FT
STAGE I	960
STAGE II	375
TOTAL	1,335

RAISED REFLECTIVE PAVEMENT MARKER REMOVAL

STA	EACH
113+60	4
114+00	2
114+40	6
114+80	2
115+20	6
115+60	2
116+00	6
116+40	2
116+80	6
117+20	2
117+60	6
118+00	2
118+40	6
118+80	2
119+20	6
120+00	6
120+40	2
120+80	6
121+20	2
121+45	2
121+60	6
122+00	2
122+40	7
123+00	2
TOTAL	95

TEMPORARY PAVEMENT, 11 INCH

STA TO STA	SQ YD
112+65 TO 113+57 LT	85
112+65 TO 113+57 RT	85
TOTAL	170

CORED DRAIN HOLES

STA	EACH
114+60 STR 12A	1
114+56 STR 13A	1
116+25 48" DIA STORM	2
120+75 24" DIA STORM	1
122+36 STR 34A	1
122+36 STR 35	1
TOTAL	7

MANHOLES, TYPE A, 9'-DIAMETER, TYPE 1 FRAME , CLOSED LID

STA	EACH
118+91	1
TOTAL	1

WET TEMPORARY PAVEMENT MARKING TAPE, TYPE III, 4 INCH

STA TO STA	FOOT
STAGE I	
113+20 TO 123+00	
LT, WHITE	980
CENTER, DOUBLE YELLOW	1,960
RT, WHITE	980
STAGE II	
113+50 TO 123+20	
LT, WHITE	970
CENTER, DOUBLE YELLOW	1,940
RT, WHITE	970
TOTAL	7,800

AGGREGATE SUBGRADE

STA TO STA	TON
113+87 TO 120+26	284
120+47 TO 120+80	15
121+05 TO 122+21	52
122+45 TO 123+00	19
TOTAL	370

AGGREGATE SUBGRADE 12 INCH

STA TO STA	SQ YD
113+57 TO 116+00	465
121+00 TO 123+00	384
116+00 TO 121+00	3,735
119+24 TO 116+64	66
TOTAL	4,650

IMPACT ATTENUATORS, TEMPORARY (SEVERE USE, NARROW)

STA	EACH
STAGE I	
113+20	1
123+00	1
TOTAL	2

IMPACT ATTENUATORS, RELOCATE (SEVERE USE) TEST LEVEL 2

STA	EACH
STAGE II	
113+50	1
123+20	1
TOTAL	2

Applied Technologies

FILE NAME = ⊕FILEL⊕	USER NAME = RDS	DESIGNED - JDD	REVISED -
		DRAWN - RDS	REVISED -
	PLOT SCALE = 1'=50'	CHECKED -	REVISED -
	PLOT DATE = 11-12-10	DATE - 11-12-10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
IL ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. 113+57.00 TO STA. 123+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	9
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL QUANTITIES

SUMMARY OF TRAFFIC SIGNAL QUANTITIES						
ITEM NO	ITEM	UNITS	TOTAL	INTERSECTION	TEMPORARY INTERCONNECT	PERMANENT INTERCONNECT
81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FEET	1708	211		1497
81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FEET	887	69		818
81400100	HANDHOLE	EACH	5	1		4
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FEET	1708	211		1497
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2			2
87301305	ELECTRIC CABLE IN CONDUIT, LEAD IN, NO 14 1 PAIR	FEET	401	401		
87900200	DRILL EXISTING HANDHOLE	EACH	2	1		1
88600100	DETECTOR LOOP, TYPE I	FEET	66	66		
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FEET	698			698
89502380	REMOVE EXISTING HANDHOLE	EACH	10		10	
X0322925	ELECTRIC CABLE IN CONDUIT, TRACER NO 14 1C	FOOT	2960			2960
X0325737	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	2		2	
X0325938	TEMPORARY WIRELESS INTERCONNECT, COMPLETE	L SUM	1		1	
X8710020	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	2977			2977

AppliedTechnologies

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - TCM	REVISED -
		DRAWN - TCM	REVISED -
	PLOT SCALE = 1'=50'	CHECKED - TCM	REVISED -
	PLOT DATE = 11-12-10	DATE - 11-12-10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL QUANTITIES
IL ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	10
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STAGE I

EARTHWORK SCHEDULE						
LOCATION	EARTH EXCAVATION	ROCK EXCAVATION	UNSUITABLE OR UNSTABLE MATERIAL	EXCAVATION TO BE USE IN EMBANKMENT ADJUSTED FOR SHRINKAGE	FURNISHED EXCAVATION*	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CU YARD	CU YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD
STA 113+57 TO STA 123+00	1,005	——	275	580	——	+425

STAGE II

EARTHWORK SCHEDULE						
LOCATION	EARTH EXCAVATION	ROCK EXCAVATION	UNSUITABLE OR UNSTABLE MATERIAL	EXCAVATION TO BE USE IN EMBANKMENT ADJUSTED FOR SHRINKAGE	FURNISHED EXCAVATION*	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CU YARD	CU YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD	CUBIC YARD
STA 113+57 TO STA 123+00	1,220	——	475	690	——	+530

AppliedTechnologies

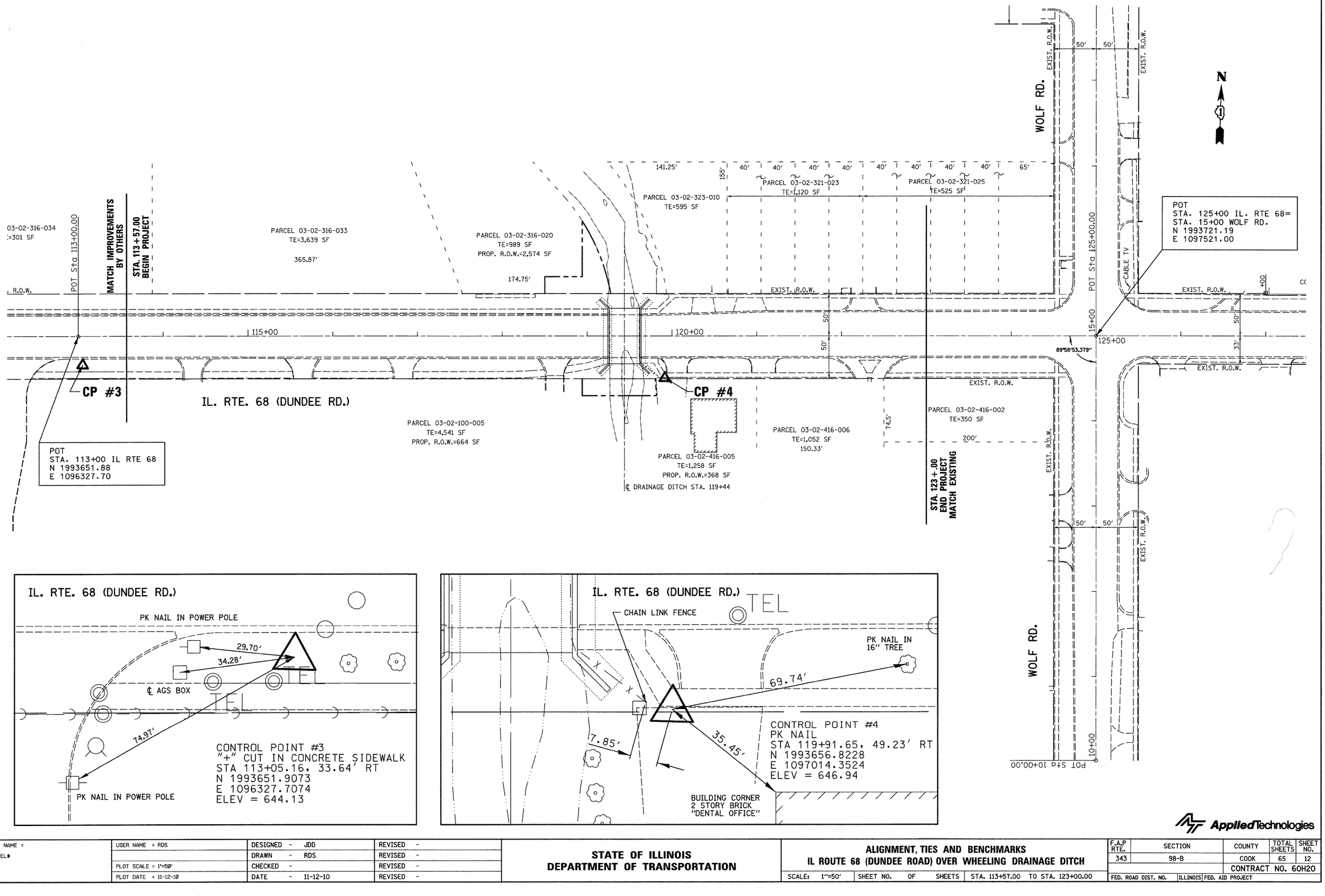
FILE NAME =	USER NAME = RDS	DESIGNED - JDD	REVISED -
@FILEL@		DRAWN - RDS	REVISED -
	PLOT SCALE = 1"=50'	CHECKED -	REVISED -
	PLOT DATE = 11-12-10	DATE - 11-12-10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EARTHWORK SCHEDULE
IL ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. 113+57.00 TO STA. 123+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	11
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



Applied Technologies

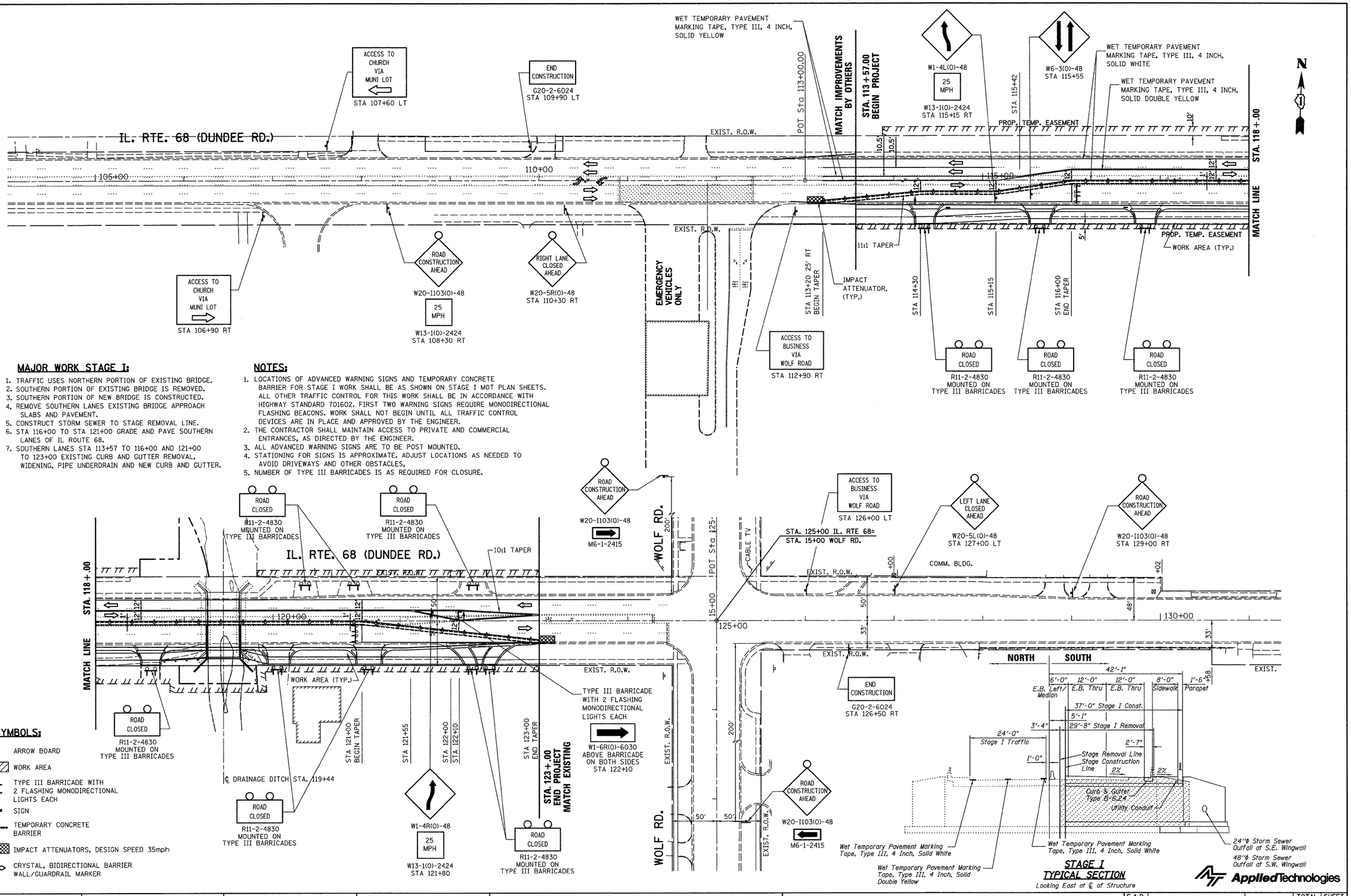
FILE NAME = #FILE#	USER NAME = RDS	DESIGNED - JDD	REVISED -
		DRAWN - RDS	REVISED -
	PLOT SCALE = 1"=50'	CHECKED -	REVISED -
	PLOT DATE = 11-12-10	DATE - 11-12-10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS
IL ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH

SCALE: 1"=50' | SHEET NO. OF SHEETS | STA. 113+57.00 TO STA. 123+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	12
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



STAGE I TYPICAL SECTION

Looking East at ℄ of Structure

Applied Technologies

FILE NAME = ⊕FILEL⊕	USER NAME = RDS	DESIGNED - JDD	REVISED -
		DRAWN - RDS	REVISED -
	PLOT SCALE = 1"=50'	CHECKED -	REVISED -
	PLOT DATE = 11-12-10	DATE - 11-12-10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC STAGE I
IL ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH

SCALE: 1"=50' | SHEET NO. OF SHEETS | STA. 113+57.00 TO STA. 123+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	13
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PRE-STAGE II WORK:

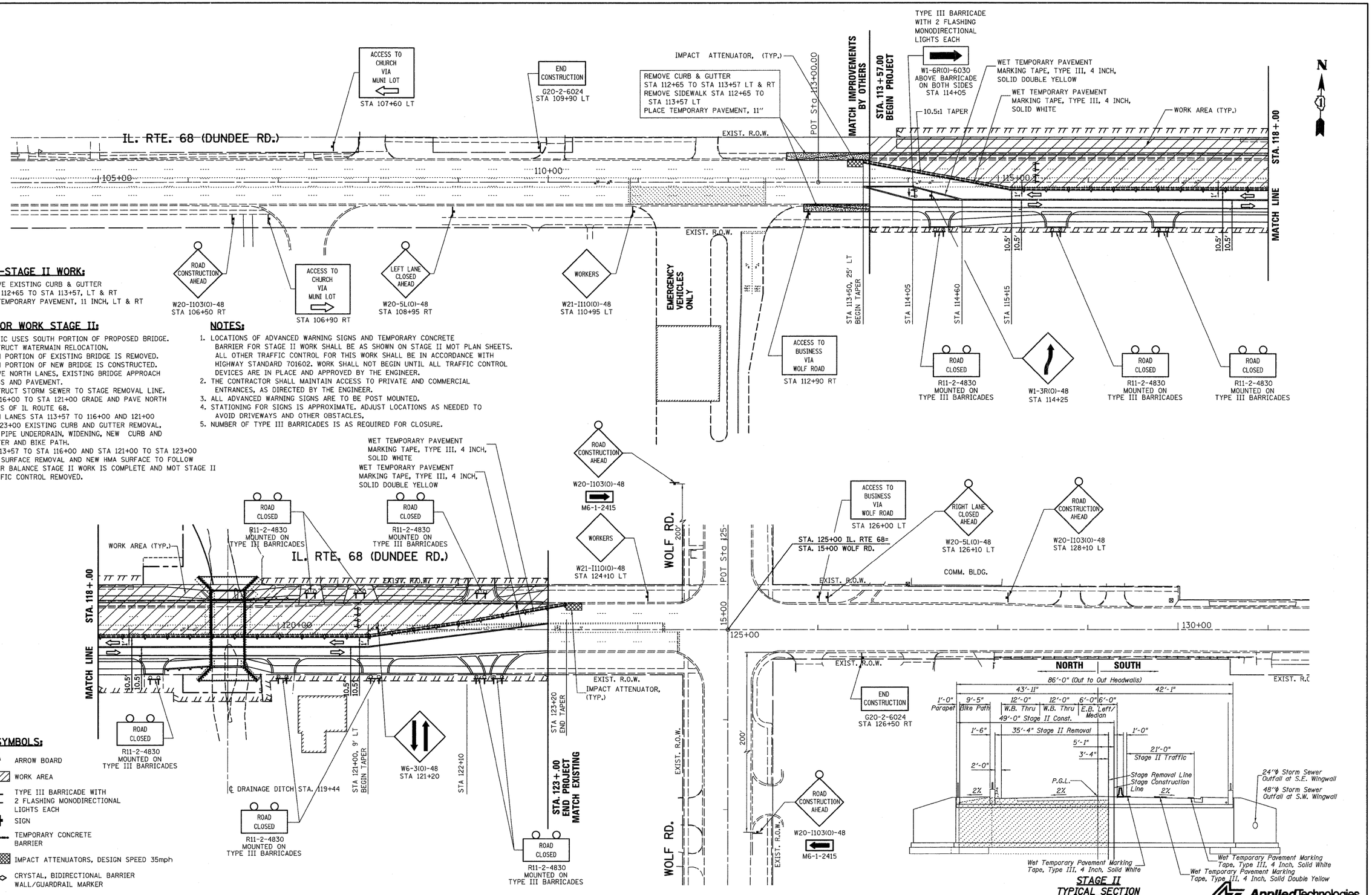
1. REMOVE EXISTING CURB & GUTTER STA 112+65 TO STA 113+57, LT & RT
2. ADD TEMPORARY PAVEMENT, 11 INCH, LT & RT

MAJOR WORK STAGE II:

1. TRAFFIC USES SOUTH PORTION OF PROPOSED BRIDGE.
2. CONSTRUCT WATERMAIN RELOCATION.
3. NORTH PORTION OF EXISTING BRIDGE IS REMOVED.
4. NORTH PORTION OF NEW BRIDGE IS CONSTRUCTED.
5. REMOVE NORTH LANES, EXISTING BRIDGE APPROACH SLABS AND PAVEMENT.
6. CONSTRUCT STORM SEWER TO STAGE REMOVAL LINE.
7. STA 116+00 TO STA 121+00 GRADE AND PAVE NORTH LANES OF IL ROUTE 68.
8. NORTH LANES STA 113+57 TO 116+00 AND 121+00 TO 123+00 EXISTING CURB AND GUTTER REMOVAL, NEW PIPE UNDERDRAIN, WIDENING, NEW CURB AND GUTTER AND BIKE PATH.
9. STA 113+57 TO STA 116+00 AND STA 121+00 TO STA 123+00 HMA SURFACE REMOVAL AND NEW HMA SURFACE TO FOLLOW AFTER BALANCE STAGE II WORK IS COMPLETE AND MOT STAGE II TRAFFIC CONTROL REMOVED.

NOTES:

1. LOCATIONS OF ADVANCED WARNING SIGNS AND TEMPORARY CONCRETE BARRIER FOR STAGE II WORK SHALL BE AS SHOWN ON STAGE II MOT PLAN SHEETS. ALL OTHER TRAFFIC CONTROL FOR THIS WORK SHALL BE IN ACCORDANCE WITH HIGHWAY STANDARD 701602. WORK SHALL NOT BEGIN UNTIL ALL TRAFFIC CONTROL DEVICES ARE IN PLACE AND APPROVED BY THE ENGINEER.
2. THE CONTRACTOR SHALL MAINTAIN ACCESS TO PRIVATE AND COMMERCIAL ENTRANCES, AS DIRECTED BY THE ENGINEER.
3. ALL ADVANCED WARNING SIGNS ARE TO BE POST MOUNTED.
4. STATIONING FOR SIGNS IS APPROXIMATE. ADJUST LOCATIONS AS NEEDED TO AVOID DRIVEWAYS AND OTHER OBSTACLES.
5. NUMBER OF TYPE III BARRICADES IS AS REQUIRED FOR CLOSURE.



SYMBOLS:

- ARROW BOARD
- WORK AREA
- TYPE III BARRICADE WITH 2 FLASHING MONODIRECTIONAL LIGHTS EACH
- SIGN
- TEMPORARY CONCRETE BARRIER
- IMPACT ATTENUATORS, DESIGN SPEED 35mph
- CRYSTAL, BIDIRECTIONAL BARRIER WALL/GUARDRAIL MARKER

Applied Technologies

FILE NAME = ⊕FILE⊕	USER NAME = RDS	DESIGNED - JDD	REVISED -
		DRAWN - RDS	REVISED -
	PLOT SCALE = 1"=50'	CHECKED -	REVISED -
	PLOT DATE = 11-12-10	DATE - 11-12-10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC STAGE II
IL ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH

SCALE: 1"=50' | SHEET NO. OF SHEETS | STA. 113+57.00 TO STA. 123+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	14
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

LEGEND

= TREE REMOVAL

STA 116+00 TO STA 121+00
REMOVE EXISTING PAVEMENT
REGRADE AND RECONSTRUCT
PR HMA PAVEMENT (FULL DEPTH)
INCLUDING:
PR POLYMERIZED HMA SURFACE COURSE, MIX F, N90, (IL-9.5) 2"
PR POLYMERIZED HMA BINDER COURSE, IL-19.0, N90, 10 1/4" (IN 3 LIFTS)

REMOVE EX CURB & GUTTER
STA 113+57 TO STA 119+24 LT & RT
PR COMBINATION CONCRETE
CURB & GUTTER, TYPE B-6.24

REMOVE EX CURB & GUTTER
STA 119+64 TO STA 123+00 LT & RT
PR COMBINATION CONCRETE
CURB & GUTTER, TYPE B-6.24

STA 119+80 TO 120+45 LT
STA 120+75 TO 122+00 LT
PARKING LOT PAVEMENT REMOVAL 6 FT WIDE
PR HMA SURFACE, MIX "C", N50, 2"
PR HMA BASE COURSE, 8"

REMOVE EX PARKING BLOCKS
PR PARKING BLOCKS
STA 121+08 TO STA 122+00

STA 121+00 TO STA 123+00
PR HOT-MIX ASPHALT SURFACE REMOVAL, 2"
PR POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX F, N90, 2"

STA 121+00 TO STA 121+50 LT & RT
PR 5' WIDENING INCLUDING
PR POROUS GRANULAR EMBANKMENT, SUBGRADE 6"
PR AGGREGATE SUBGRADE, 12"
PR POLYMERIZED HMA BINDER COURSE, IL-19, N90, 10 1/4" (IN 3 LIFTS)
PR POLYMERIZED HMA SURFACE COURSE, MIX F, N90, IL 9.5, 2"

EX DRIVEWAY PAVEMENT REMOVAL
PR PCC PAVEMENT 8"
CE STA 120+37, 30' LT
CE STA 120+91, 30' LT
CE STA 122+25, 29.25' LT

MATCH IMPROVEMENTS BY OTHERS
POT Sta 113+00.00
STA. 113+57.00 BEGIN PROJECT
10' BIKE PATH
BUTT JOINT, TYP
1' PARAPET
1.58' BARRIER WALL
HMA LOT
HMA PARKING LOT
BUTT JOINT
150' TAPER (90')
150' TAPER (25')
EXIST. 8' CONC. SIDEWALK
8' SIDEWALK
8' CONC. SIDEWALK
10' TAPER TO B-6.12 C&G
POT Sta 125+00.00
STA. 125+00 IL. RTE 68-
STA. 15+00 WOLF RD.
EXIST. R.O.W.
IL. RTE. 68 (DUNDEE RD.)
WOLF ROAD
B-6.12 C&G
CABLE TV
CONC C.E.
HMA C.E.
EXIST. R.O.W.
115+00
120+00
125+00

STA 113+57 TO STA 116+00 LT & RT
PR 5' WIDENING INCLUDING
PR POROUS GRANULAR EMBANKMENT, SUBGRADE 6"
PR AGGREGATE SUBGRADE, 12"
PR POLYMERIZED HMA BINDER COURSE, IL-19, N90, 10 1/4" (IN 3 LIFTS)
PR POLYMERIZED HMA SURFACE COURSE, MIX F, N90, IL 9.5, 2"

STA 113+57 TO STA 116+00
PR HOT-MIX ASPHALT SURFACE REMOVAL, 2"
PR POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX F, N90, 2"

REMOVE EXISTING SIDEWALK
STA 113+57 TO STA 119+24 LT & RT
STA 119+64 TO STA 123+00 LT & RT
STA 117+53 TO STA 118+68 LT

PR TRAFFIC BARRIER TERMINAL, TYPE 6
STA 119+25 RT AND STA 119+63 LT
PR TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (TANGENT)
STA 118+70 RT AND STA 120+23 LT
PR STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
STA 118+70 TO STA 119+25 RT AND
STA 119+63 TO STA 120+23 LT

℄ DRAINAGE DITCH STA. 119+44

REMOVE EX STRUCTURE NO. 016-0525
PR STRUCTURE NO. 016-2302
SEE BRIDGE PLANS

CHAIN LINK FENCE REMOVAL

STA 121+50 TO STA 122+00 LT & RT
PR 5' WIDENING TAPERS TO MATCH

EX DRIVEWAY PAVEMENT REMOVAL
PR PCC PAVEMENT 8"
CE STA 114+36.5, 30' RT
CE STA 115+66, 30' RT
CE STA 115+84, 30' RT
CE STA 118+62, 30' RT
CE STA 120+00, 30' RT
CE STA 121+08, 30' RT
CE 122+08, 27.7' RT (RT-IN)
CE 122+58, 25.7' RT (RT-OUT)

STA. 123+00 END PROJECT MATCH EXISTING

BENCHMARK: LAKCOO 1B
SURVEY MARKER SOUTHWEST CORNER OF INTERSECTION OF LAKE-COOK ROAD AND MILWAUKEE AVE.
EL = 664.70

TBM "A" - SQUARE CUT IN TOP OF SW WINGWALL OF WHEELING DRAINAGE DITCH,
EL = 646.93

Applied Technologies

PLAN: SURVEYED, PLOTTED, GRADES CHECKED, ALL OF M/V CHECKED, CADD FILE NAME, NOTE BOOK, NO., BY, DATE

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, NOTE BOOK, NO., STRUCTURE NOTATIONS CHKD, BY, DATE

PROFILE BY OTHERS

ex = 0.05'
K = 604
156.36' V.C.

+21.82 EL. 646.21

+78.18 EL. 646.97

VPI STA. 118+60.00
ELEVATION 648.02

PR ℄ PROFILE IL ROUTE 68 (PAVEMENT SURFACE)

ex = 0.03'
K = 548
120.00' V.C.

+40.00 EL. 647.08

+60.00 EL. 646.61

EXIST. ℄ PROFILE FOR IL. RTE. 68 (DUNDEE RD.)

+45.63

+0.31%

+0.35%

+0.61%

+0.61%

-0.50%

-0.50%

-0.28%

+0.08%

646.22

EX ℄ PROFILE IL ROUTE 68

+80.00 EL. 647.59

VPI STA. 116+00.00
ELEVATION 646.49

SSD = 1042'
ex = -0.19'
K = 126
140.00' V.C.

119+20.00 EL. 647.67

644.33' LOW BEAM
642.58' PROP. HEADWATER
642.57' N.H.W.E. 50 YEAR

VPI STA. 121+00.00
ELEVATION 646.78

RESURFACING | RECONSTRUCTION

RECONSTRUCTION | RESURFACING

	665	660	655	650	645	640	635	630
113+00					645.45			
114+00					645.79			
115+00					645.78			
116+00					645.96			
117+00					646.07			
118+00					646.14			
119+00					646.32			
120+00					646.37			
121+00					646.54			
122+00					646.80			
123+00					646.67			
124+00					647.10			
125+00					647.41			
126+00					646.74			
127+00					647.70			
					647.83			
					646.41			
					647.76			
					647.53			
					646.44			
					647.28			
					647.03			
					646.70			
					646.81			
					646.64			
					646.51			
					646.50			
					646.36			
					646.22			
					646.22			
					646.40			
					646.55			
					646.76			
					646.90			

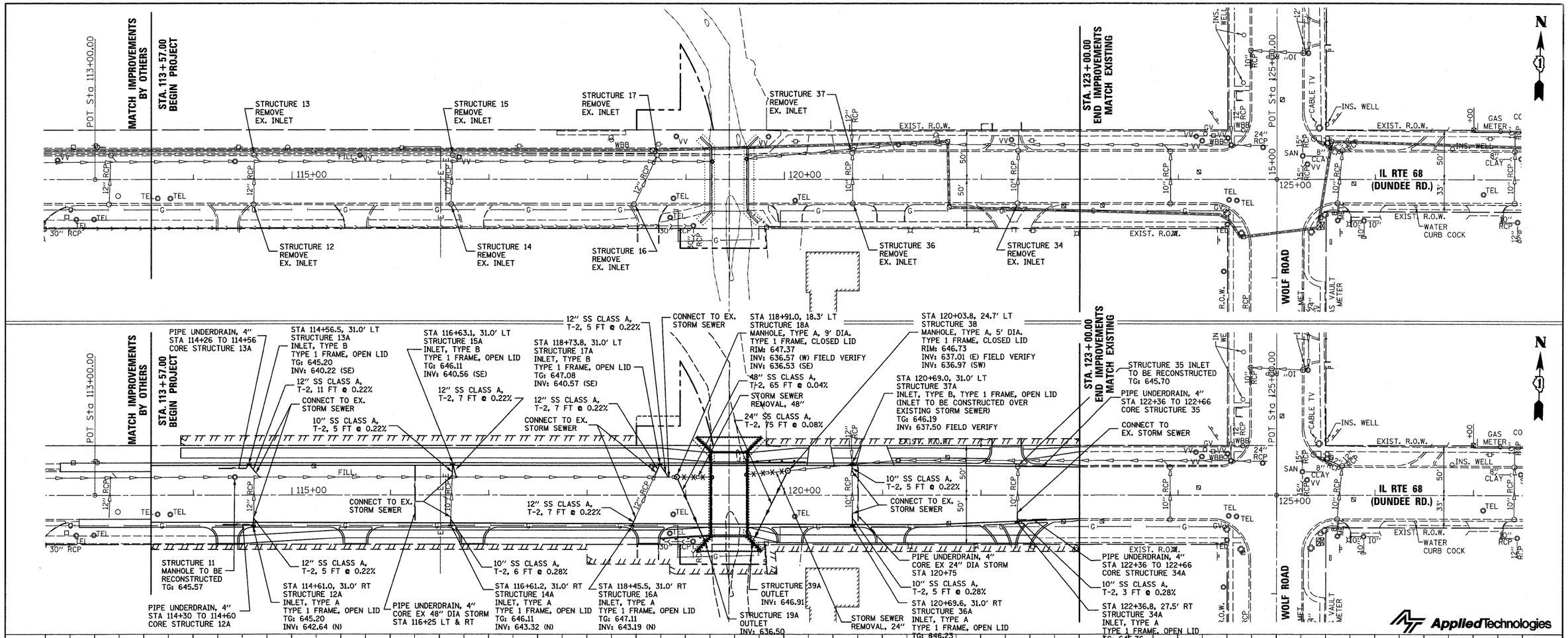
EX ℄ ELEVATIONS
PR ℄ ELEVATIONS

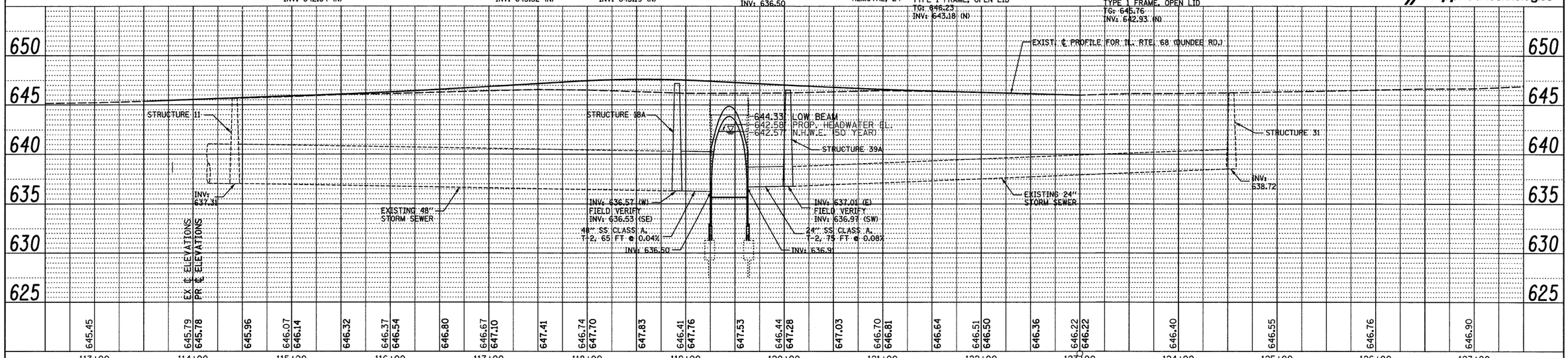
FILE NAME = ⊕FILEL⊕	USER NAME = RDS	DESIGNED - JDD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING AND PROPOSED PLAN AND PROFILE IL ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH
		DRAWN - RDS	REVISED -		
	PLOT SCALE = 1"=50'	CHECKED -	REVISED -		
	PLOT DATE = 11-12-10	DATE - 11-12-10	REVISED -		SCALE: 1"=50H,5'V | SHEET NO. OF SHEETS | STA. 113+57.00 TO STA. 123+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	15
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLAN
SURVEYED
PLOTTED
ISSUES CHECKED
NOTE BOOK
NO.
DATE
BY
ALL DIM. W/V CHECKED
CADD FILE NAME

PROFILE
SURVEYED
PLOTTED
ISSUES CHECKED
NOTE BOOK
NO.
DATE
BY
STRUCTURE NOTATNS CHKD





FILE NAME = $FILEL$	USER NAME = RDS	DESIGNED - JDD	REVISED -
		DRAWN - RDS	REVISED -
	PLOT SCALE = 1"=50'	CHECKED -	REVISED -
	PLOT DATE = 11-12-10	DATE - 11-12-10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED DRAINAGE PLAN
IL ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH

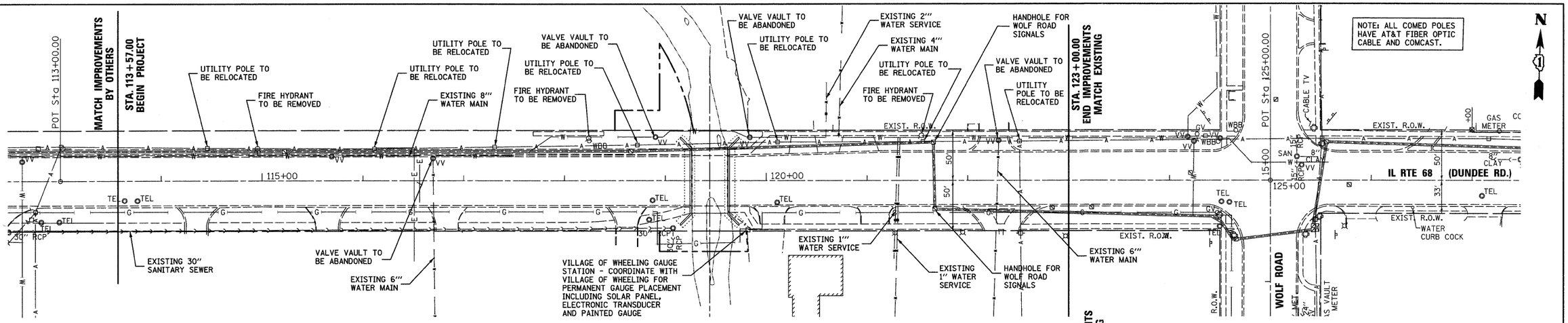
SCALE: 1"=50'H,5'V | SHEET NO. OF SHEETS | STA. TO STA.

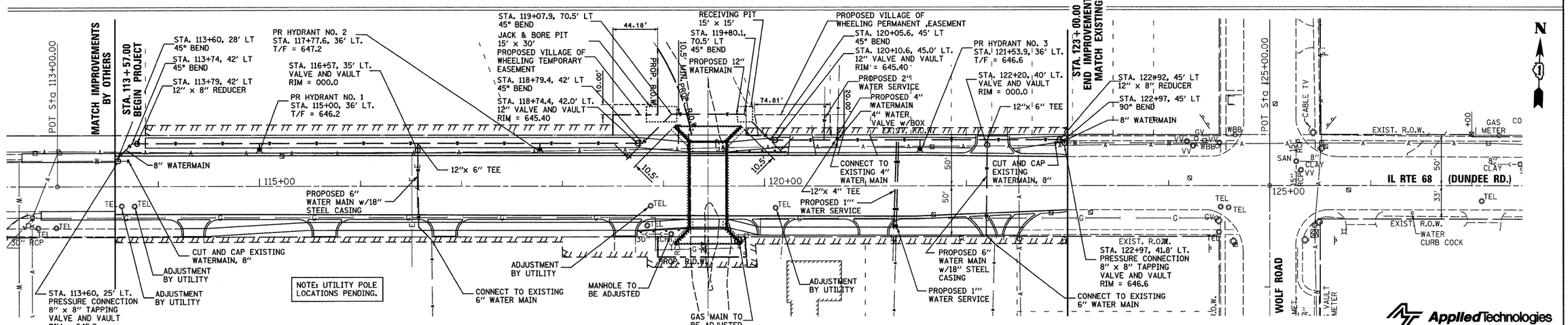
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	16
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

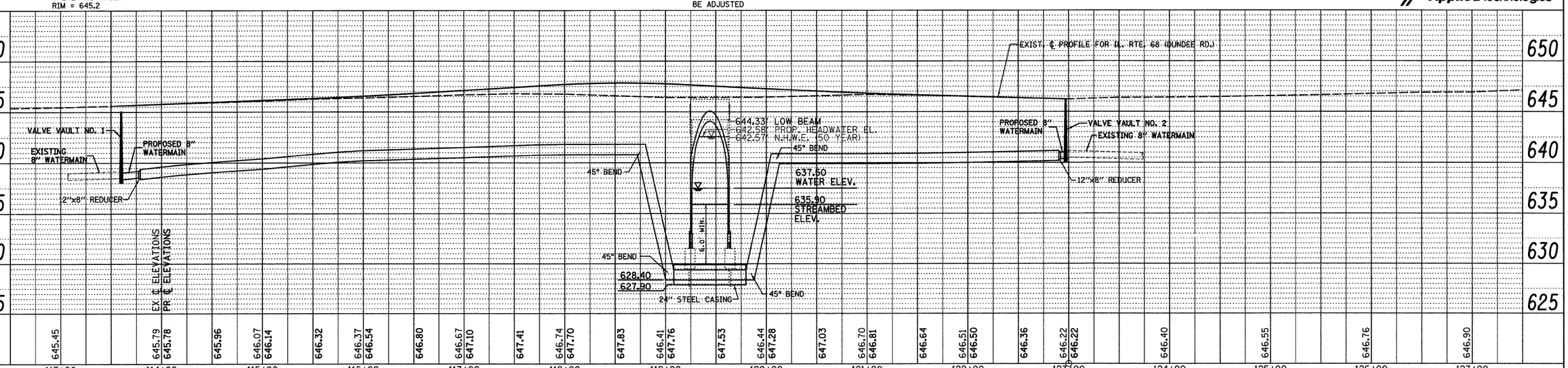
Applied Technologies

PLAN
PROFILE

BY	DATE
SURVEYED	
PLOTTED	
GRADES CHECKED	
ALL OF MAT CHECKED	
CADD FILE NAME	
NOTE BOOK	
NO.	
STRUCTURE NO(S)/MS CHKD	







FILE NAME = *FILEL*	USER NAME = RDS	DESIGNED - JDD	REVISED -
		DRAWN - RDS	REVISED -
	PLOT SCALE = 1'=50'	CHECKED -	REVISED -
	PLOT DATE = 11-12-10	DATE - 11-12-10	REVISED -

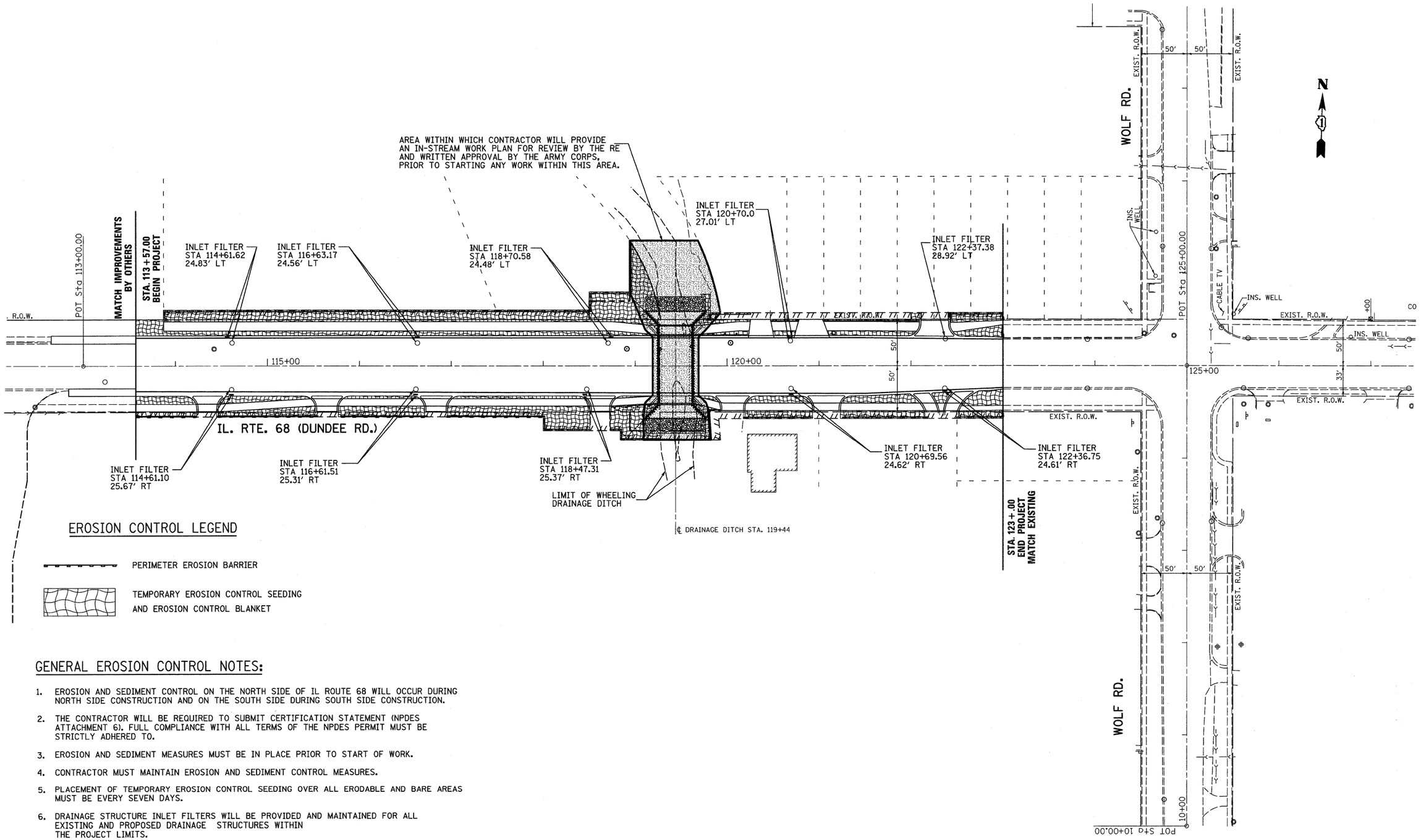
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED UTILITY PLAN
IL ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH

SCALE: 1"=50'H,5'V | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	17
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

Applied Technologies



EROSION CONTROL LEGEND

PERIMETER EROSION BARRIER

TEMPORARY EROSION CONTROL SEEDING AND EROSION CONTROL BLANKET

GENERAL EROSION CONTROL NOTES:

1. EROSION AND SEDIMENT CONTROL ON THE NORTH SIDE OF IL ROUTE 68 WILL OCCUR DURING NORTH SIDE CONSTRUCTION AND ON THE SOUTH SIDE DURING SOUTH SIDE CONSTRUCTION.
2. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT CERTIFICATION STATEMENT (NPDES ATTACHMENT 6). FULL COMPLIANCE WITH ALL TERMS OF THE NPDES PERMIT MUST BE STRICTLY ADHERED TO.
3. EROSION AND SEDIMENT MEASURES MUST BE IN PLACE PRIOR TO START OF WORK.
4. CONTRACTOR MUST MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES.
5. PLACEMENT OF TEMPORARY EROSION CONTROL SEEDING OVER ALL ERODABLE AND BARE AREAS MUST BE EVERY SEVEN DAYS.
6. DRAINAGE STRUCTURE INLET FILTERS WILL BE PROVIDED AND MAINTAINED FOR ALL EXISTING AND PROPOSED DRAINAGE STRUCTURES WITHIN THE PROJECT LIMITS.
7. THE CONTRACTOR'S UNDERWATER STRUCTURE EXCAVATION PROTECTION PLAN MUST BE APPROVED PRIOR TO STARTING WORK.
8. TEMPORARY IMPACTS 0.20 ACRES

Applied Technologies

FILE NAME = *FILEL*	USER NAME = RDS	DESIGNED - JDD	REVISED -
		DRAWN - RDS	REVISED -
	PLOT SCALE = 1"=50'	CHECKED -	REVISED -
	PLOT DATE = 11-12-10	DATE - 11-12-10	REVISED -

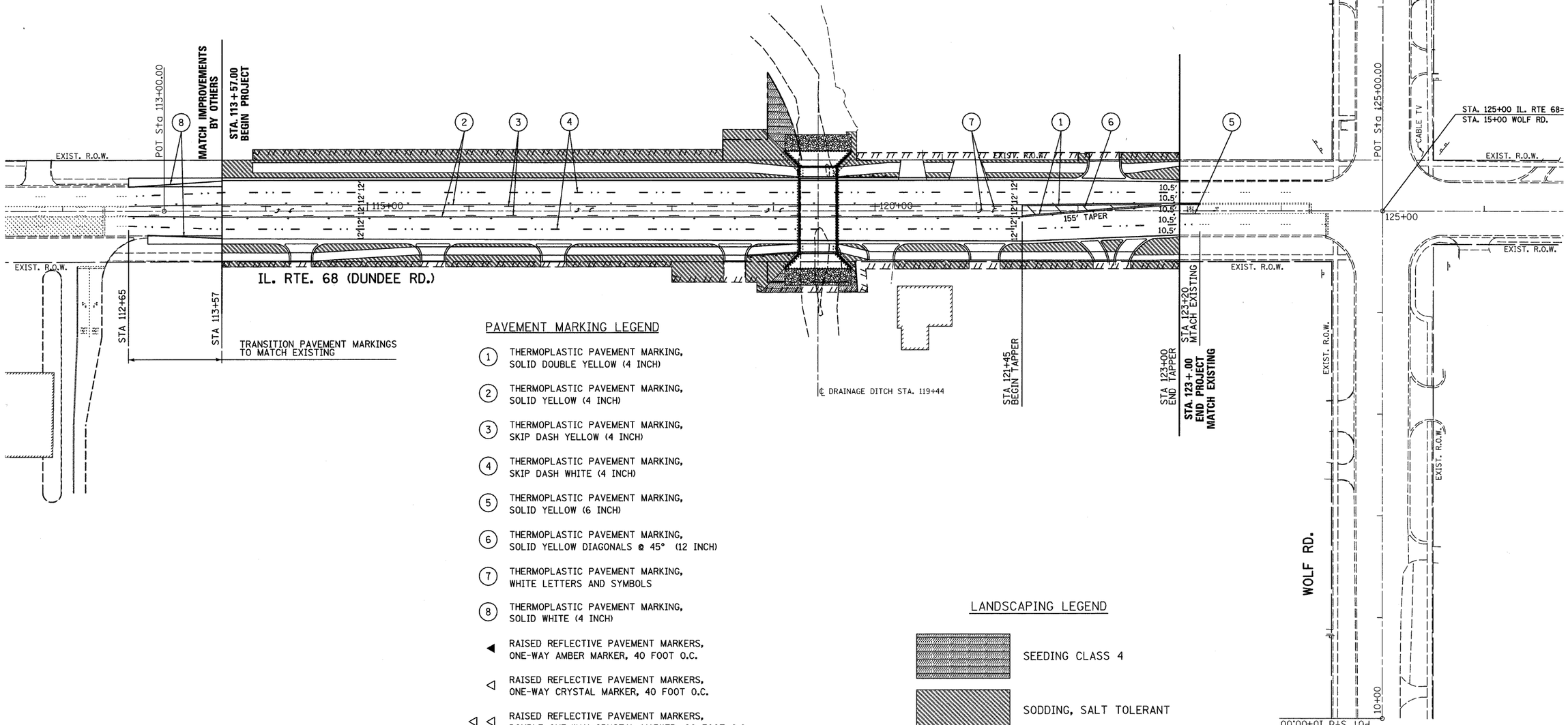
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED EROSION AND SEDIMENT CONTROL
IL ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH

SCALE: 1"=50' | SHEET NO. OF SHEETS | STA. 113+57.00 TO STA. 123+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	18
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

NOTE:
ANY SIGNAGE, REFLECTORS, OR PAVEMENT MARKINGS AFFECTED DURING CONSTRUCTION SHALL BE REPLACED.



PAVEMENT MARKING LEGEND

1. THERMOPLASTIC PAVEMENT MARKING, SOLID DOUBLE YELLOW (4 INCH)
2. THERMOPLASTIC PAVEMENT MARKING, SOLID YELLOW (4 INCH)
3. THERMOPLASTIC PAVEMENT MARKING, SKIP DASH YELLOW (4 INCH)
4. THERMOPLASTIC PAVEMENT MARKING, SKIP DASH WHITE (4 INCH)
5. THERMOPLASTIC PAVEMENT MARKING, SOLID YELLOW (6 INCH)
6. THERMOPLASTIC PAVEMENT MARKING, SOLID YELLOW DIAGONALS @ 45° (12 INCH)
7. THERMOPLASTIC PAVEMENT MARKING, WHITE LETTERS AND SYMBOLS
8. THERMOPLASTIC PAVEMENT MARKING, SOLID WHITE (4 INCH)

◀ RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY AMBER MARKER, 40 FOOT O.C.

◁ RAISED REFLECTIVE PAVEMENT MARKERS, ONE-WAY CRYSTAL MARKER, 40 FOOT O.C.

◁ ◁ RAISED REFLECTIVE PAVEMENT MARKERS, DOUBLE ONE-WAY CRYSTAL MARKER, 80 FOOT O.C.

◆ RAISED REFLECTIVE PAVEMENT MARKERS, TWO-WAY AMBER MARKER, 40 FOOT O.C.

LANDSCAPING LEGEND

SEEDING CLASS 4

SODDING, SALT TOLERANT

Applied Technologies

FILE NAME = ⊕FILE⊕	USER NAME = RDS	DESIGNED - JDD	REVISED -
		DRAWN - RDS	REVISED -
	PLOT SCALE = 1"=50'	CHECKED -	REVISED -
	PLOT DATE = 11-12-10	DATE - 11-12-10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED PAVEMENT MARKINGS AND LANDSCAPING
IL ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH

SCALE: 1"=50' | SHEET NO. OF SHEETS | STA. 113+57.00 TO STA. 123+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	19
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

MATCH LINE B-B

MATCH LINE A-A

MATCH LINE A-A

N

20' 0' 20' 40'
GRAPHIC SCALE

INTERCONNECT TO U.S. RTE 45 / IL RTE 21

TEMP. EASEMENT

EXIST. R.O.W.

IL RTE 68

WOLF ROAD

ONLY

ONLY

EXIST. R.O.W.

EXIST. R.O.W.

ROAD

(267'-E-2")

10' 10' 10' 22'

100'

ONLY

(65'-E-4")

(25'-E-2½")

(6'-E-2½")

CALLING LOOPS

(19'-E-2½")

(206'-E-2")

EXIST. R.O.W.

(40'-E-4")

15+00

(5'-E-2½")

(49'-E-2")

125+00

(85'-E-4")

(81'-E-4")

(12'-E-2½")

(30'-E-2½")

(8'-E-2")

(5'-E-2-4")

(10'-E-2½")

(49'-E-4")

(6'-E-2½")

(31'-E-4")

CALLING LOOPS

WOLF

ONLY

ONLY

EXIST. R.O.W.

EXIST. R.O.W.

100'

22' 10' 10' 10'

(246'-E-2")

MATCH LINE B-B

EXIST. R.O.W.

83'

10' 10' 11'

ONLY

(DUNDEE RD.)

EXIST. R.O.W.

10' 10' 10' 11'

100'

EXIST. R.O.W.

TEMP. EASEMENT

CONSTRUCTION NOTES:

① THE WEST LEG OF THE INTERSECTION SHALL BE PLACED ON RECALL TIMINGS BY THE IDOT AREA TRAFFIC ENGINEER WHILE THE DETECTOR LOOPS ARE NOT IN SERVICE. THE CONTRACTOR WILL NEED TO CALL 847-705-4424 AT LEAST SEVEN DAYS PRIOR TO DETECTION REMOVAL.

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

Applied Technologies

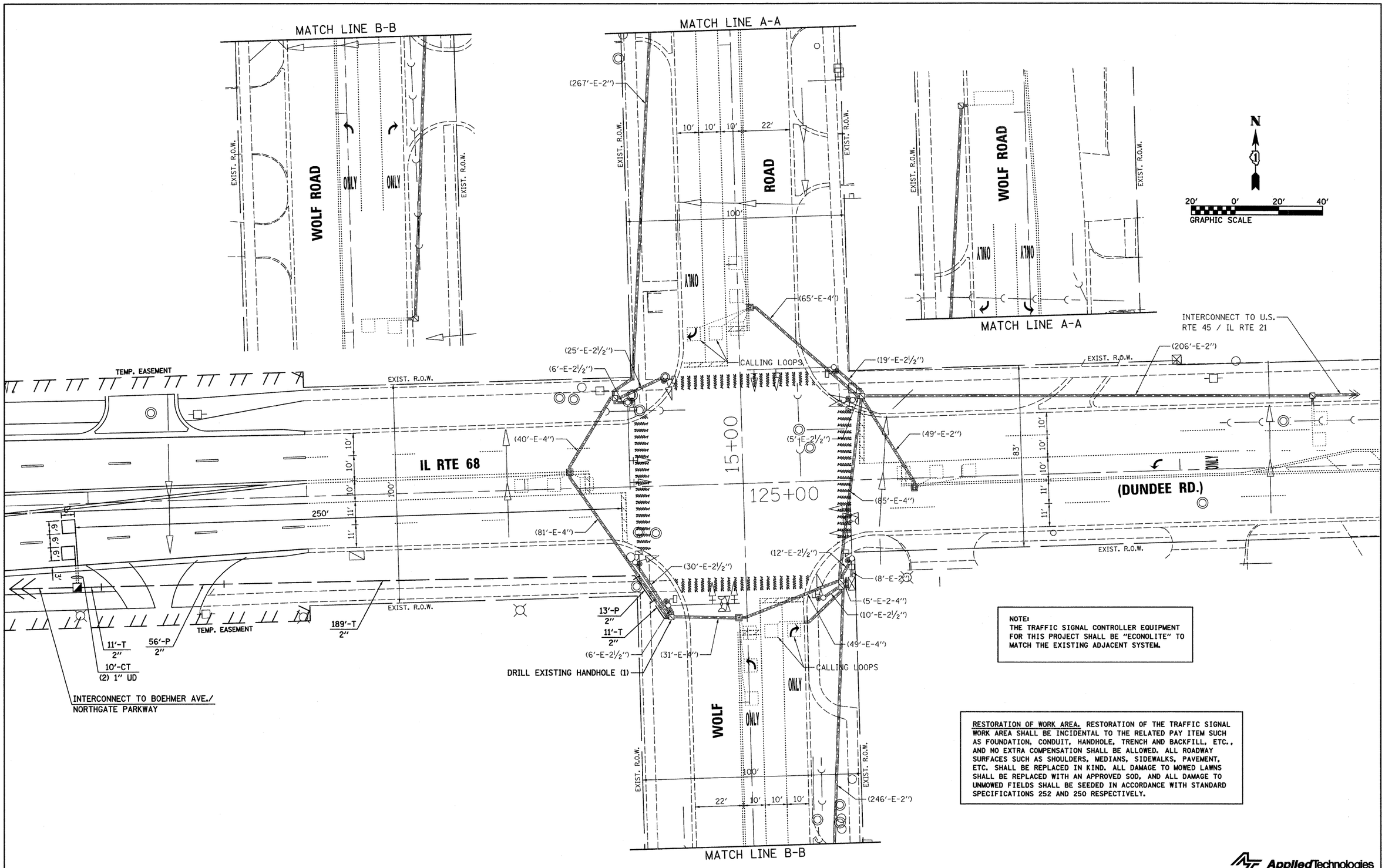
FILE NAME = ®FILEL®	USER NAME = ®USER®	DESIGNED - TCM	REVISED -
		DRAWN - TCM	REVISED -
	PLOT SCALE = 1'=50'	CHECKED - TCM	REVISED -
	PLOT DATE = 11-12-10	DATE - 11-12-10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TRAFFIC SIGNAL PLAN
IL ROUTE 68 (DUNDEE ROAD) AND WOLF ROAD

SCALE: 1"=20' | SHEET NO. OF SHEETS | STA. 123+00.00 TO STA. 127+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	20
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

Applied Technologies

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - TCM	REVISED -
		DRAWN - TCM	REVISED -
	PLOT SCALE = 1"=50'	CHECKED - TCM	REVISED -
	PLOT DATE = 11-12-10	DATE - 11-12-10	REVISED -

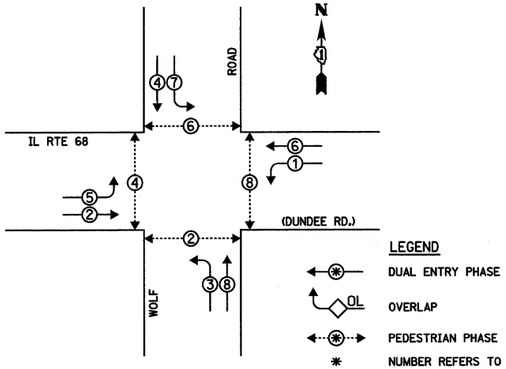
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL MODIFICATION PLAN
IL ROUTE 68 (DUNDEE ROAD) AND WOLF ROAD

SCALE: 1"=20' | SHEET NO. OF SHEETS | STA. 123+00.00 TO STA. 127+00.00

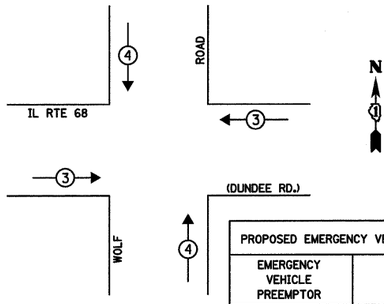
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	21
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTROLLER SEQUENCE

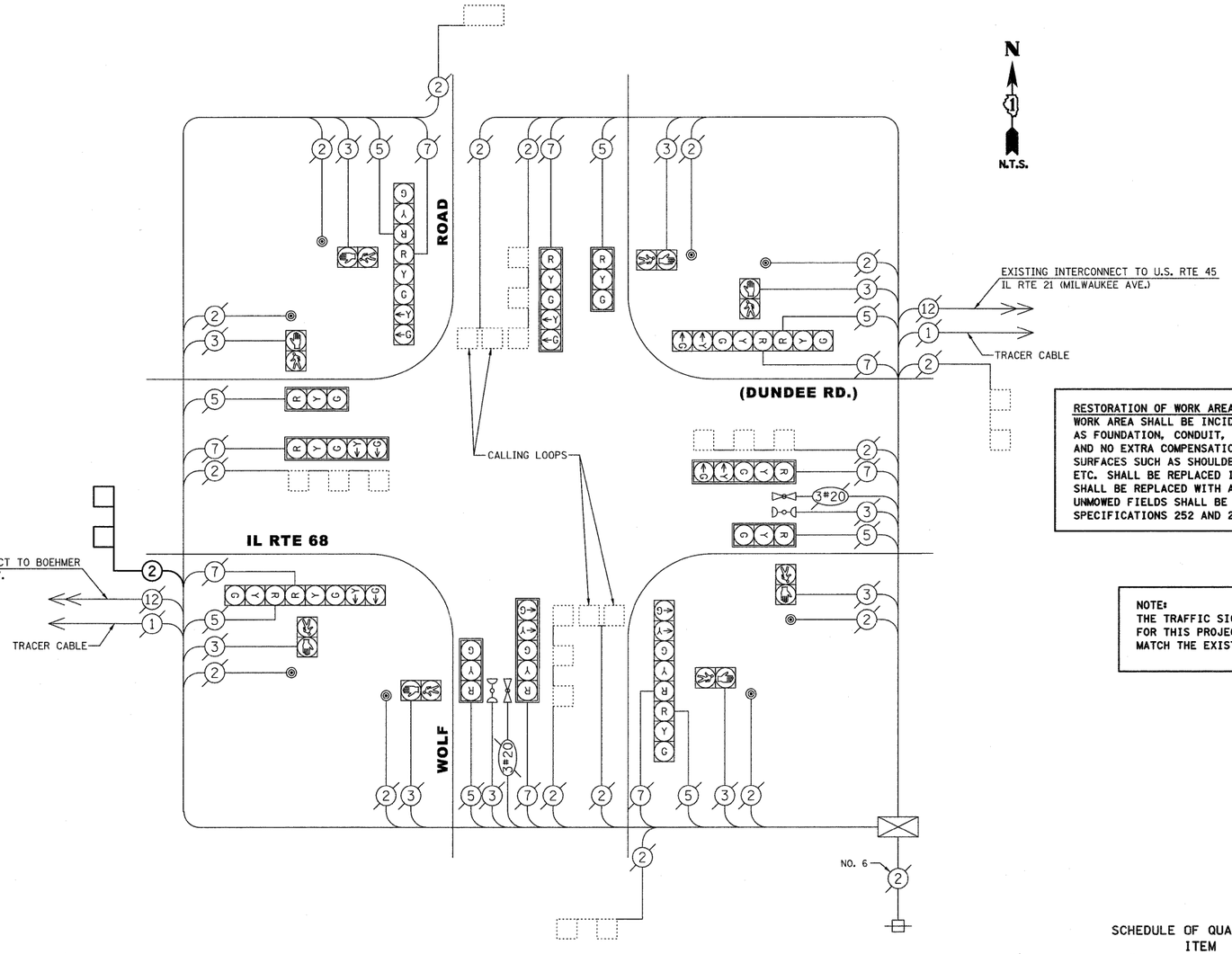


PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE



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



RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE INCAND.	LED	% OPERATION	
SIGNAL (RED)	16	135	–	0.50	1080.0
(YELLOW)	16	135	–	0.25	540.0
(GREEN)	16	135	–	0.25	540.0
ARROW	16	135	–	0.10	216.0
PED. SIGNAL	8	90	–	1.00	720.0
CONTROLLER	1	100	–	1.00	100.0
ENERGY COSTS TO:				TOTAL =	3196.0

ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAY/DISTRICT 1
201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096
ENERGY SUPPLY: CONTACT: JOE HURLEY
PHONE: (847) 816-5503
COMPANY: COMED

SCHEDULE OF QUANTITIES

ITEM	UNIT	TOTAL
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	211
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	69
HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	211
ELECTRIC CABLE IN CONDUIT, LEAD-IN NO. 14 1-PAIR	FOOT	401
DRILL EXISTING HANDHOLE	EACH	1
DETECTOR LOOP, TYPE I	FOOT	66

Applied Technologies

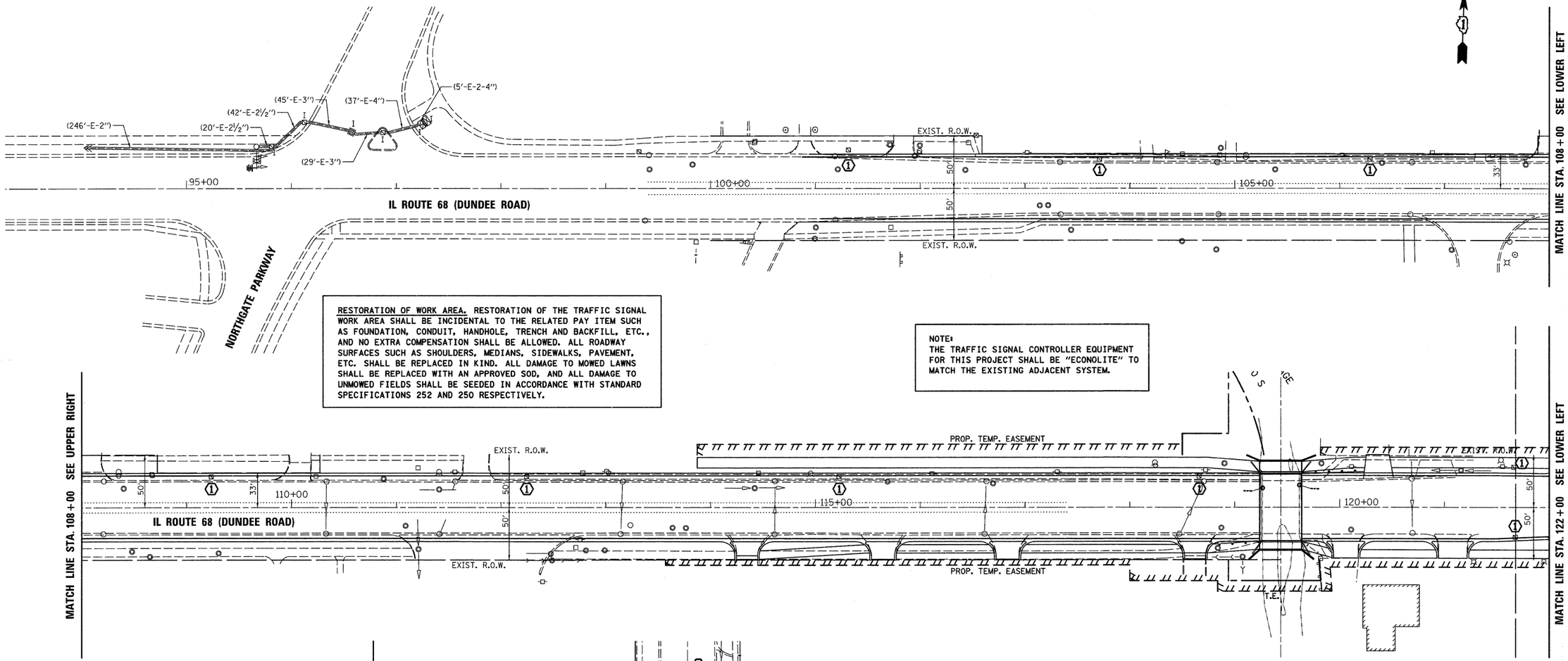
FILE NAME = ⊕FILE1⊕	USER NAME = ⊕USER⊕	DESIGNED - TCM	REVISED -
		DRAWN - TCM	REVISED -
	PLOT SCALE = 1"=50'	CHECKED - TCM	REVISED -
	PLOT DATE = 11-12-10	DATE - 11-12-10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN
IL ROUTE 68 (DUNDEE ROAD) AND WOLF ROAD

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	22
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

CONSTRUCTION NOTES:

① REMOVE EXISTING HANDHOLE.

SCHEDULE OF QUANTITIES

ITEM	UNIT	TOTAL
REMOVE EXISTING HANDHOLE	EACH	10
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	2
TEMPORARY WIRELESS INTERCONNECT, COMPLETE	L SUM	1

AppliedTechnologies

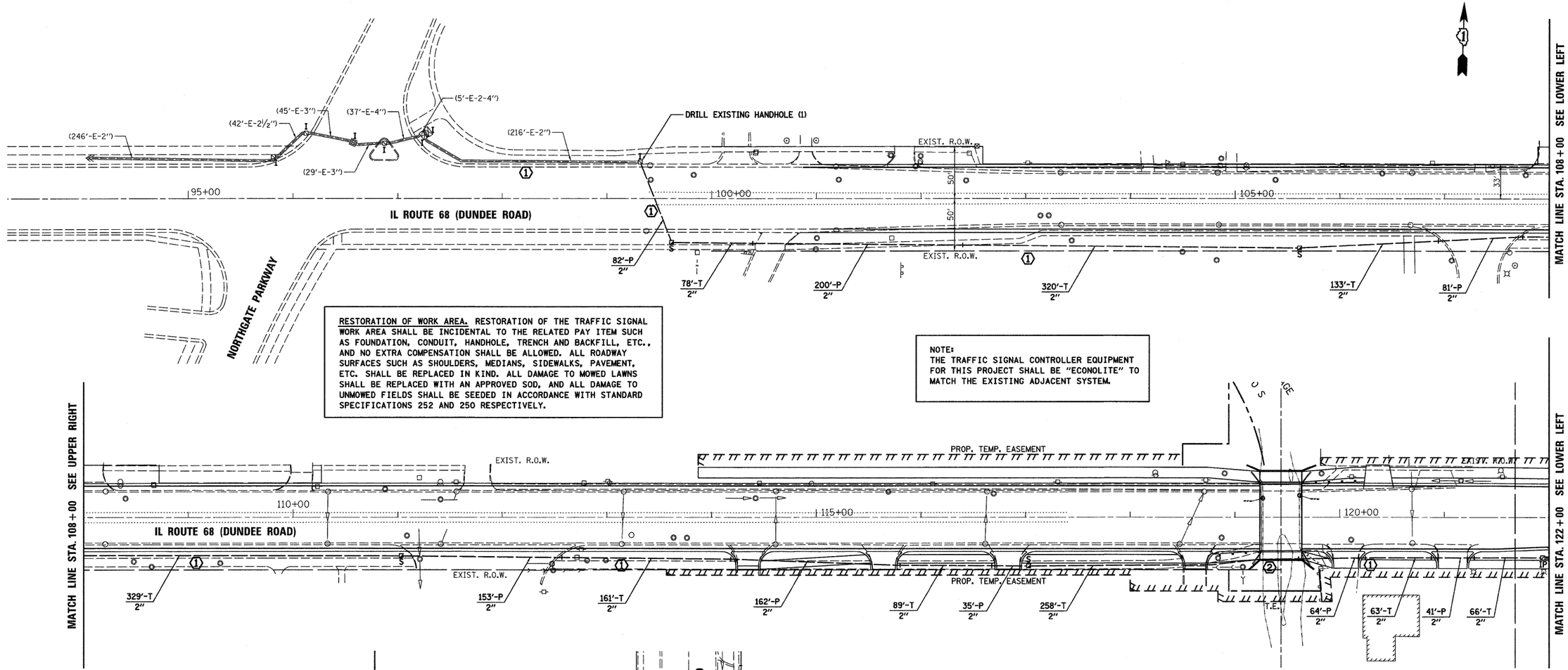
FILE NAME = ⊕FILE⊕	USER NAME = ⊕USER⊕	DESIGNED - TCM	REVISED -
		DRAWN - TCM	REVISED -
	PLOT SCALE = 1"=50'	CHECKED - TCM	REVISED -
	PLOT DATE = 11-12-10	DATE - 11-12-10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY WIRELESS INTERCONNECT PLAN
IL ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH

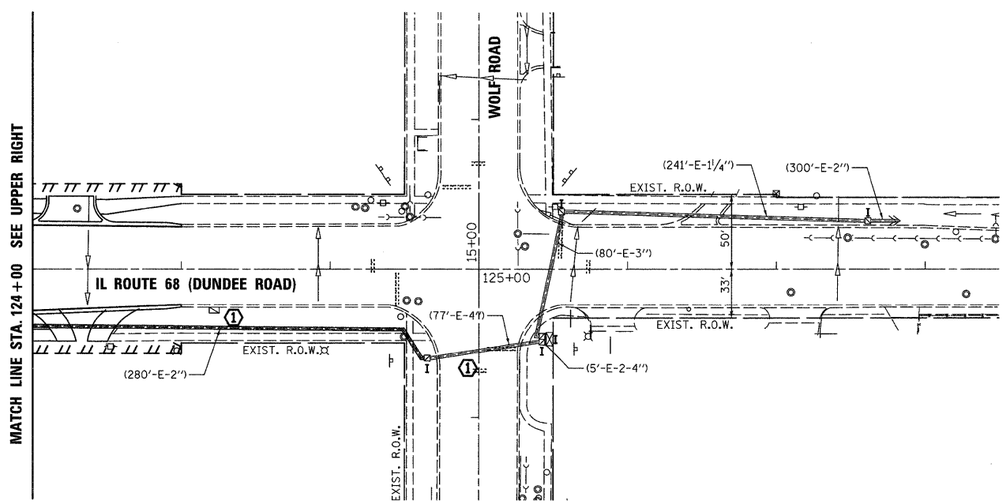
SCALE: 1"=50' | SHEET NO. OF SHEETS | STA. 113+57.00 TO STA. 123+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	23
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.



CONSTRUCTION NOTES:

① INSTALL NEW 24F FIBER OPTIC CABLE AND TRACER CABLE IN CONDUIT. REMOVE EXISTING CABLES FROM CONDUIT THAT IS TO REMAIN IN USE.

② INSTALL CONDUIT IN COVER OVER CULVERT.

SCHEDULE OF QUANTITIES

ITEM	UNIT	TOTAL
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	1497
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	818
HANDHOLE	EACH	4
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1497
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1C	FOOT	2960
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	2977
DRILL EXISTING HANDHOLE	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	698

Applied Technologies

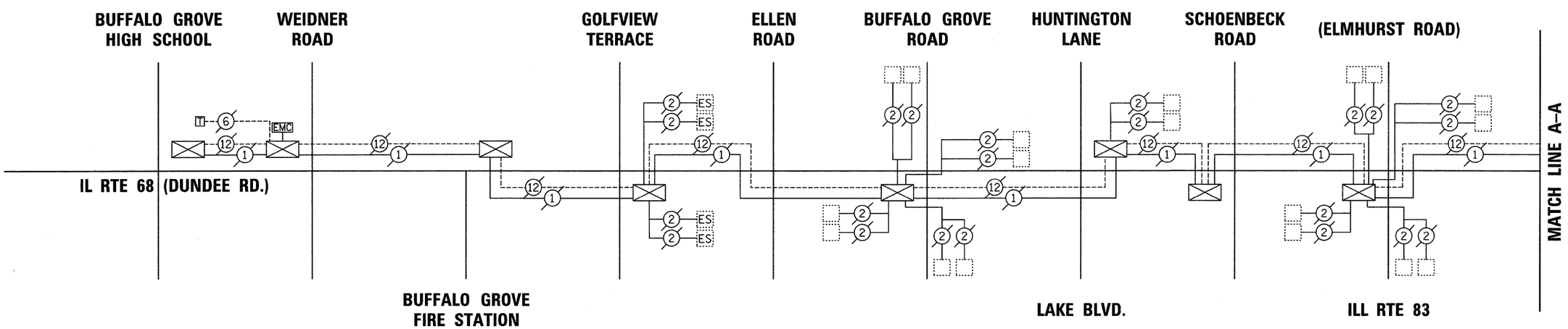
FILE NAME = ⊕FILEL⊕	USER NAME = ⊕USER⊕	DESIGNED - TCM	REVISED -
		DRAWN - TCM	REVISED -
	PLOT SCALE = 1"=50'	CHECKED - TCM	REVISED -
	PLOT DATE = 11-12-10	DATE - 11-12-10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN
IL ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH

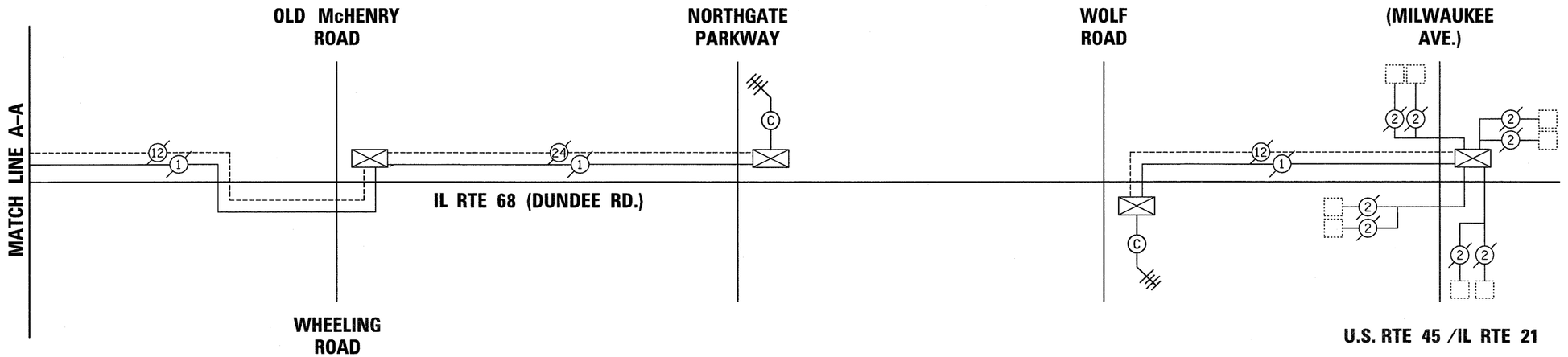
SCALE: 1"=50' | SHEET NO. OF SHEETS | STA. 113+57.00 TO STA. 123+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	24
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

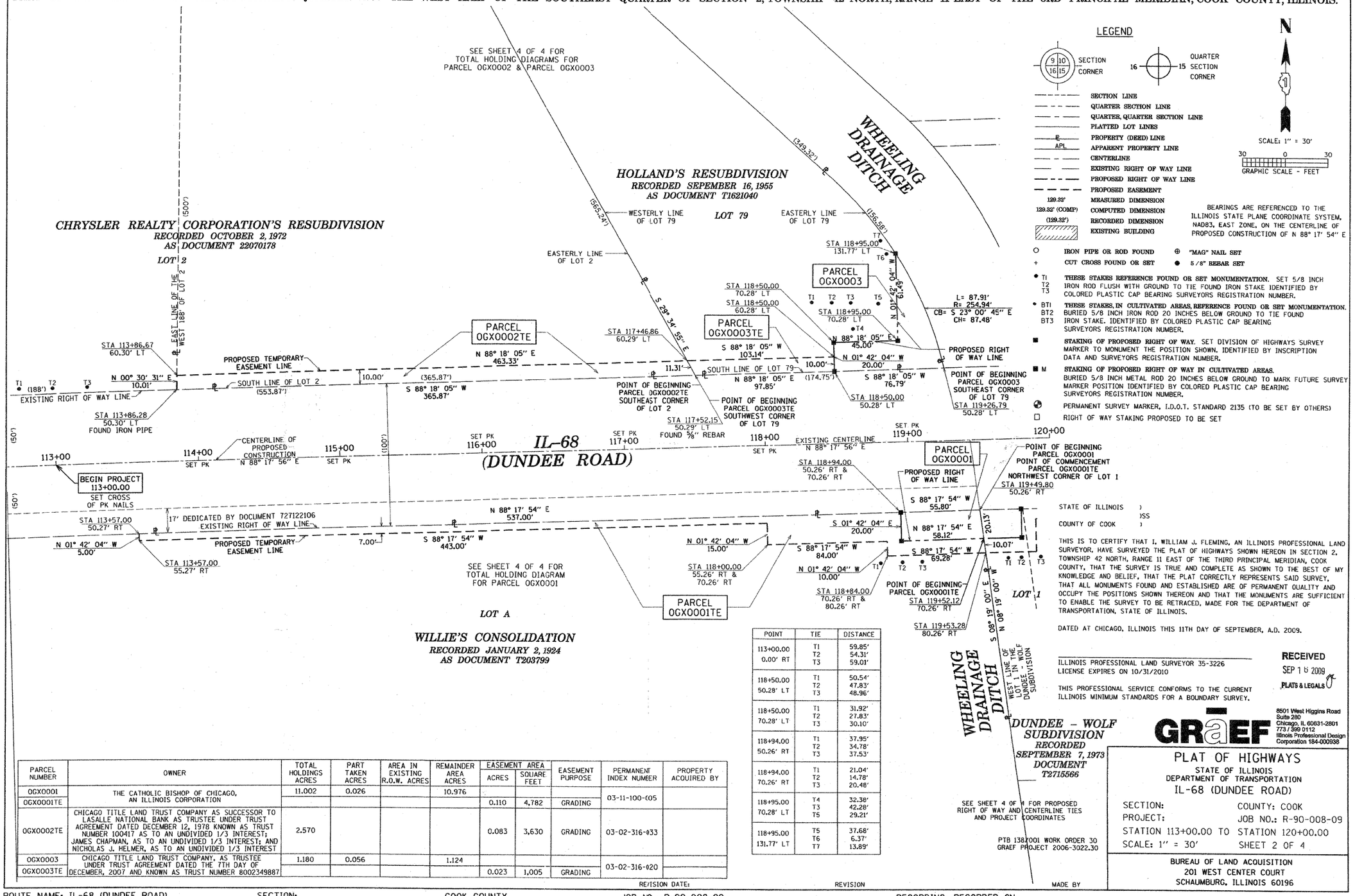
NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.



Applied Technologies

FILE NAME = $FILEL$	USER NAME = $USER$	DESIGNED - TCM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY INTERCONNECT SCHEMATIC IL ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - TCM	REVISED -			343	98-B	COOK	65	25
	PLOT SCALE = 1'=50'	CHECKED - TCM	REVISED -					CONTRACT NO. 60H20		
	PLOT DATE = 11-12-10	DATE - 11-12-10	REVISED -		SCALE: 1"=50' SHEET NO. OF SHEETS STA. 113+57.00 TO STA. 123+00.00	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PART OF THE EAST HALF OF THE SOUTHWEST QUARTER AND THE WEST HALF OF THE SOUTHEAST QUARTER OF SECTION 2, TOWNSHIP 42 NORTH, RANGE 11 EAST OF THE 3RD PRINCIPAL MERIDIAN, COOK COUNTY, ILLINOIS.



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- 129.32' MEASURED DIMENSION
- 129.32' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

N

SCALE: 1" = 30'

30 0 30
GRAPHIC SCALE - FEET

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83, EAST ZONE, ON THE CENTERLINE OF PROPOSED CONSTRUCTION OF N 88° 17' 54" E

- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- "MAG" NAIL SET
- 5/8" REBAR SET

T1 T2 T3 — **THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.** SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

BT1 BT2 BT3 — **THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.** BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

■ **STAKING OF PROPOSED RIGHT OF WAY.** SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.

■ M **STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.** BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.

- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

POINT	TIE	DISTANCE
113+00.00 0.00' RT	T1	59.85'
	T2	54.31'
	T3	59.01'
118+50.00 50.28' LT	T1	50.54'
	T2	47.83'
	T3	48.96'
118+50.00 70.28' LT	T1	31.92'
	T2	27.83'
	T3	30.10'
118+94.00 50.26' RT	T1	37.95'
	T2	34.78'
	T3	37.53'
118+94.00 70.26' RT	T1	21.04'
	T2	14.78'
	T3	20.48'
118+95.00 70.28' LT	T4	32.38'
	T3	42.28'
	T5	29.21'
118+95.00 131.77' LT	T5	37.68'
	T6	6.37'
	T7	13.89'

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMER	PROPERTY ACQUIRED BY
0GX0001	THE CATHOLIC BISHOP OF CHICAGO, AN ILLINOIS CORPORATION	11.002	0.026		10.976				03-11-100-005	
0GX0001TE						0.110	4,782	GRADING		
0GX0002TE	CHICAGO TITLE LAND TRUST COMPANY AS SUCCESSOR TO LASALLE NATIONAL BANK AS TRUSTEE UNDER TRUST AGREEMENT DATED DECEMBER 12, 1978 KNOWN AS TRUST NUMBER 100417 AS TO AN UNDIVIDED 1/3 INTEREST; JAMES CHAPMAN, AS TO AN UNDIVIDED 1/3 INTEREST; AND NICHOLAS J. HELMER, AS TO AN UNDIVIDED 1/3 INTEREST	2.570				0.083	3,630	GRADING	03-02-316-033	
0GX0003	CHICAGO TITLE LAND TRUST COMPANY, AS TRUSTEE UNDER TRUST AGREEMENT DATED THE 7TH DAY OF DECEMBER, 2007 AND KNOWN AS TRUST NUMBER 8002349887	1.180	0.056		1.124				03-02-316-020	
0GX0003TE						0.023	1,005	GRADING		

STATE OF ILLINOIS)
)SS
COUNTY OF COOK)

THIS IS TO CERTIFY THAT I, WILLIAM J. FLEMING, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 2, TOWNSHIP 42 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 11TH DAY OF SEPTEMBER, A.D. 2009.

ILLINOIS PROFESSIONAL LAND SURVEYOR 35-3226
LICENSE EXPIRES ON 10/31/2010

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

RECEIVED
SEP 16 2009
PLATS & LEGALS

GRAEF
8501 West Higgins Road
Suite 280
Chicago, IL 60631-2801
773 / 399 0112
Illinois Professional Design Corporation 184-000938

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL-68 (DUNDEE ROAD)

SECTION: COUNTY: COOK
PROJECT: JOB NO.: R-90-008-09
STATION 113+00.00 TO STATION 120+00.00
SCALE: 1" = 30' SHEET 2 OF 4

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

REVISION DATE: REVISION MADE BY

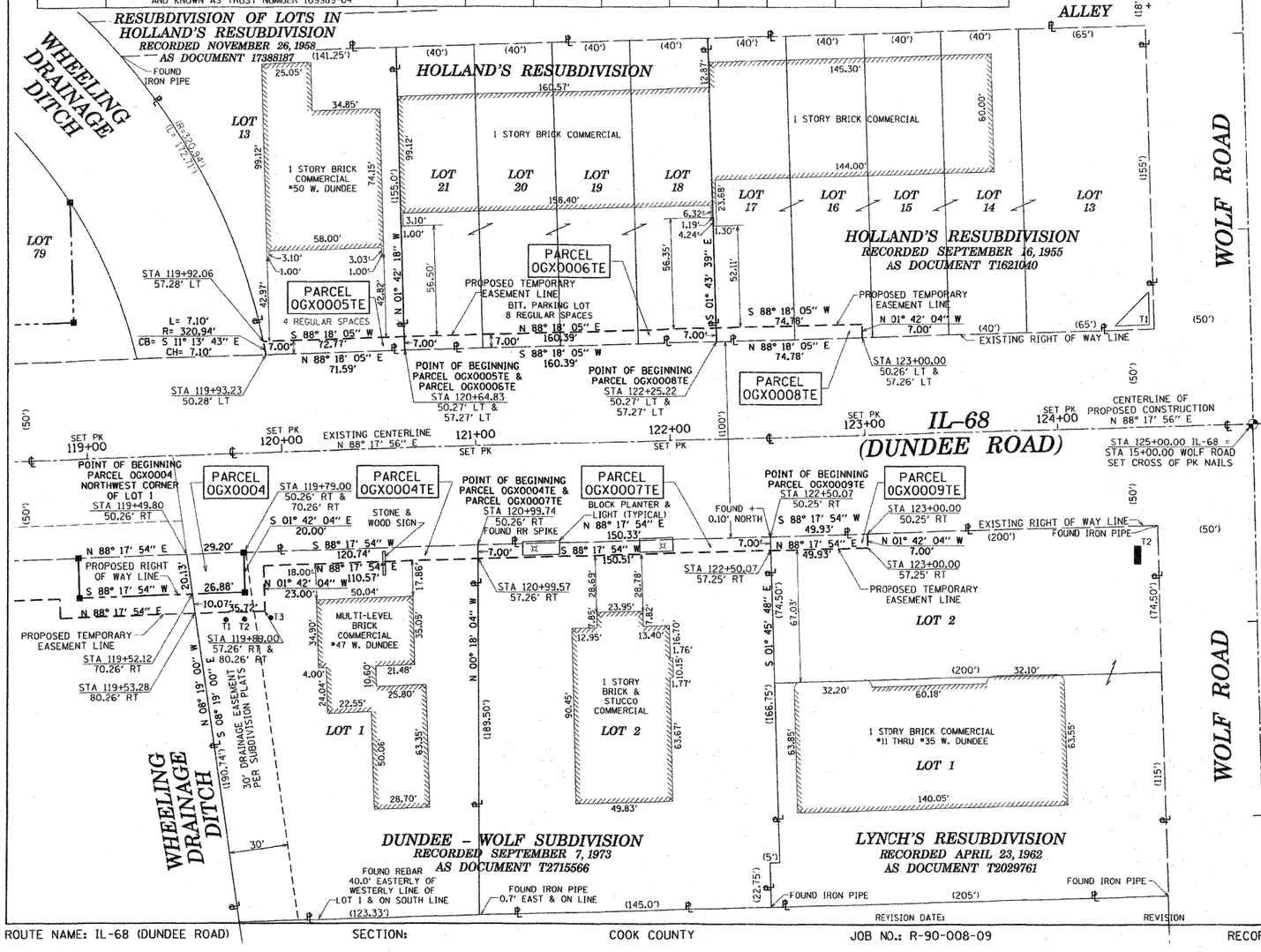
ROUTE NAME: IL-68 (DUNDEE ROAD) SECTION: COOK COUNTY JOB NO.: R-90-008-09 RECORDING: RECORDED ON

Applied Technologies

FILE NAME = ⊕FILEL⊕	USER NAME = RDS	DESIGNED - JDD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAT OF HIGHWAYS IL ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH				F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - RDS	REVISED -						343	98-B	COOK	65	26
	PLOT SCALE = 1'=50'	CHECKED -	REVISED -								CONTRACT NO. 60H20		
	PLOT DATE = 11-12-10	DATE - 11-12-10	REVISED -		SCALE: N.T.S.	SHEET NO. OF SHEETS	STA. 113+57.00 TO STA. 123+00.00		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PART OF THE EAST HALF OF THE SOUTHWEST QUARTER AND THE WEST HALF OF THE SOUTHEAST QUARTER OF SECTION 2, TOWNSHIP 42 NORTH, RANGE 11 EAST OF THE 3RD PRINCIPAL MERIDIAN, COOK COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDINGS ACRES	PART TAKEN ACRES	AREA IN EXISTING R.O.W. ACRES	REMAINDER AREA ACRES	EASEMENT AREA ACRES	EASEMENT AREA SQUARE FEET	EASEMENT PURPOSE	PERMANENT INDEX NUMBER	PROPERTY ACQUIRED BY
0GX0004	HYUNSOOK J. KIM, AS TRUSTEE OF THE HYUNSOOK J. KIM TRUST DATED JULY 29, 2005	0.594	0.013		0.581				03-02-416-005	
0GX0004TE						0.031	1,338	GRADING		
0GX0005TE	CHICAGO TITLE LAND TRUST COMPANY, AS SUCCESSOR TO AMERICAN NATIONAL BANK AND TRUST COMPANY, AS TRUSTEE UNDER TRUST AGREEMENT DATED THE 17TH DAY OF APRIL, 1995, AND KNOWN AS TRUST NUMBER 120331-06	0.349				0.012	505	GRADING	03-02-323-010	
0GX0006TE	CHICAGO TITLE LAND TRUST COMPANY, AS SUCCESSOR TRUSTEE TO LASALLE BANK NA, AS SUCCESSOR TRUSTEE TO AMERICAN NATIONAL BANK AND TRUST COMPANY OF CHICAGO, AS TRUSTEE UNDER TRUST AGREEMENT DATED THE 17TH DAY OF MARCH, 1989, AND KNOWN AS TRUST NUMBER 107901-03	0.569				0.026	1,123	GRADING	03-02-321-023	
0GX0007TE	BWA, INC., AN ILLINOIS CORPORATION	0.651				0.024	1,053	GRADING	03-02-416-006	
0GX0008TE	PARKWAY BANK AND TRUST COMPANY, AS TRUSTEE UNDER TRUST AGREEMENT DATED THE 30TH DAY OF SEPTEMBER, 1988, AND KNOWN AS TRUST NUMBER 9037	0.801				0.012	523	GRADING	03-02-321-025	
0GX0009TE	CHICAGO TITLE LAND TRUST COMPANY, AS SUCCESSOR TRUSTEE TO LASALLE BANK NA, AS SUCCESSOR TRUSTEE TO AMERICAN NATIONAL BANK AND TRUST COMPANY OF CHICAGO, AS TRUSTEE UNDER TRUST AGREEMENT DATED DECEMBER 11, 1989, AND KNOWN AS TRUST NUMBER 109989-04	0.873				0.008	350	GRADING	03-02-416-001 03-02-416-002	



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- 129.32' MEASURED DIMENSION
- 129.33' (COMP) COMPUTED DIMENSION
- (129.32') RECORDED DIMENSION
- EXISTING BUILDING

N

SCALE: 1" = 30'

30 0 30

GRAPHIC SCALE - FEET

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83, EAST ZONE, ON THE CENTERLINE OF PROPOSED CONSTRUCTION OF N 88° 17' 54" E

- ○ IRON PIPE OR ROD FOUND
- + CUT CROSS FOUND OR SET
- ⊕ "MAG" NAIL SET
- ● 5/8" REBAR SET
- ● T1, T2, T3 — THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ● BT1, BT2, BT3 — THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- □ RIGHT OF WAY STAKING PROPOSED TO BE SET

STATE OF ILLINOIS)
)SS
COUNTY OF COOK)

THIS IS TO CERTIFY THAT I, WILLIAM J. FLEMING, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 2, TOWNSHIP 42 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 11TH DAY OF SEPTEMBER, A.D. 2009.

ILLINOIS PROFESSIONAL LAND SURVEYOR 35-3226
LICENSE EXPIRES ON 10/31/2010

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

RECEIVED
SEP 16 2009
PLATS & LEGALS

SEE SHEET 4 OF 4 FOR PROPOSED RIGHT OF WAY AND CENTERLINE TIES AND PROJECT COORDINATES

POINT	TIE	DISTANCE
119+79.00 50.26' RT	T1	35.25'
	T2	33.69'
	T3	35.91'
119+79.00 70.26' RT	T1	17.03'
	T2	13.70'
	T3	18.71'
125+00.00 0.00' LT	T1	73.65'
	T2	84.37'
	T3	64.29'

GRAEF
8501 West Higgins Road
Suite 280
Chicago, IL 60631-2801
773 / 399 0112
www.graef-usa.com
Illinois Professional Design Corporation 184-000938

PTB 138/001 WORK ORDER 30
GRAEF PROJECT 2006-3022.30

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL-68 (DUNDEE ROAD)

SECTION: COUNTY: COOK
PROJECT JOB NO.: R-90-008-09
STATION 119+00.00 TO STATION 125+00.00
SCALE: 1" = 30' SHEET 3 OF 4

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

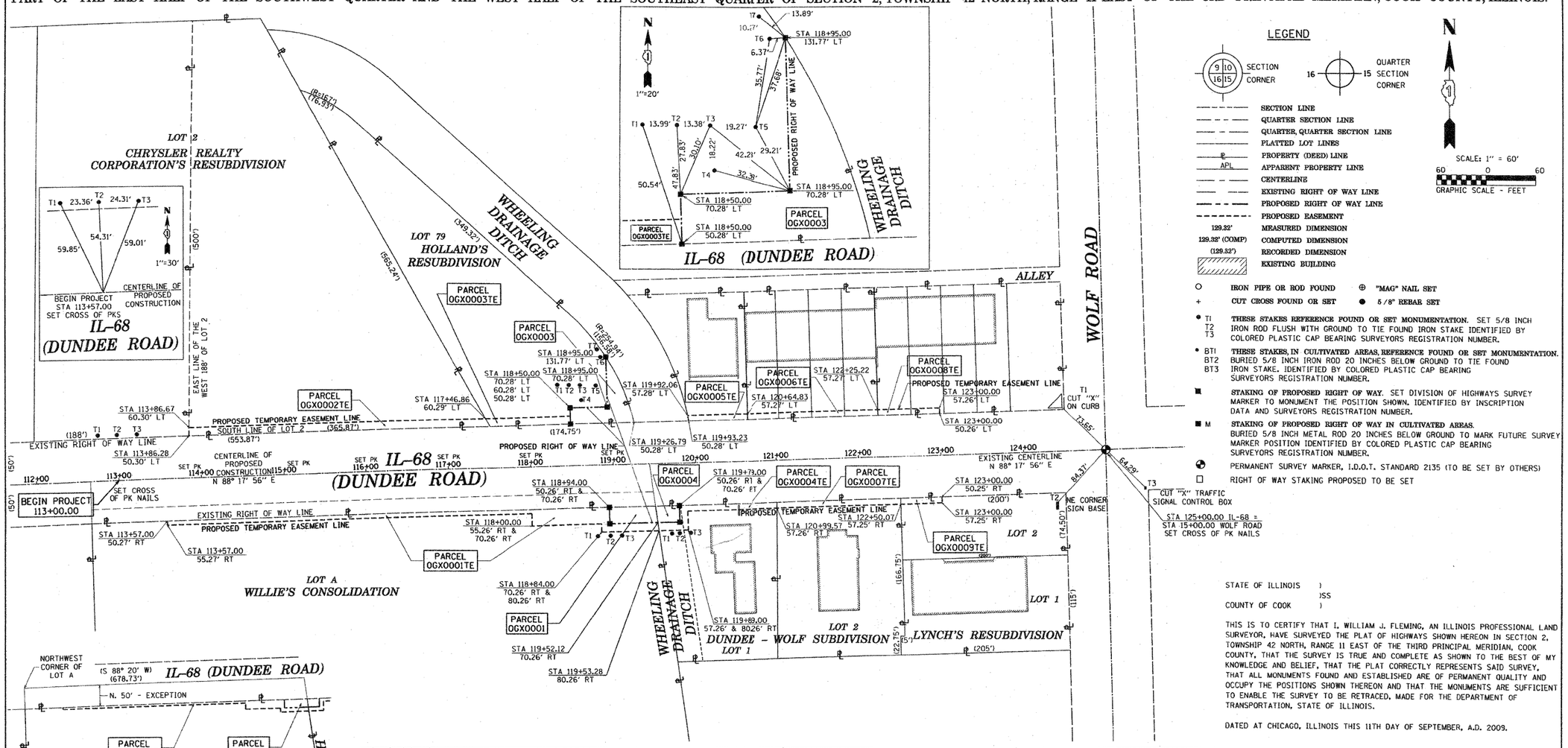
ROUTE NAME: IL-68 (DUNDEE ROAD) | SECTION: | COOK COUNTY | JOB NO.: R-90-008-09 | RECORDING: RECORDED ON

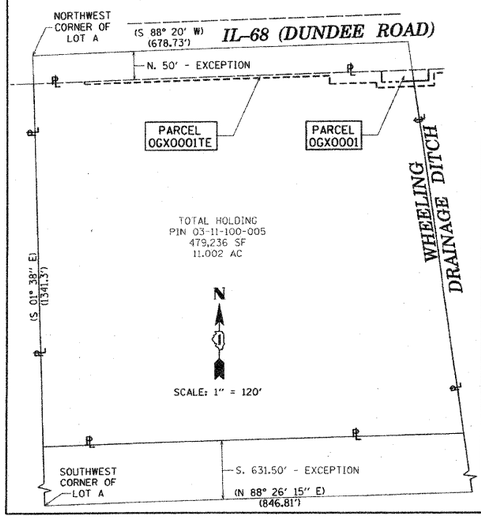
REVISION DATE: | REVISION | MADE BY

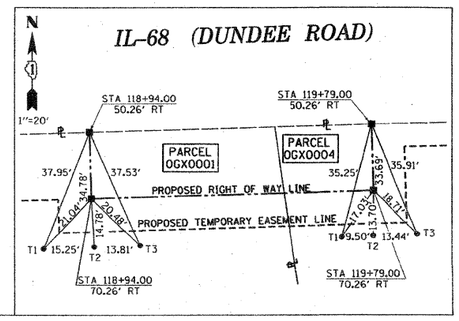
AppliedTechnologies

FILE NAME = ⊕FILE⊕	USER NAME = RDS	DESIGNED - JDD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAT OF HIGHWAYS IL ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - RDS	REVISED -					343	98-B	COOK	65	27
	PLOT SCALE = 1"=50'	CHECKED -	REVISED -							CONTRACT NO. 60H20		
	PLOT DATE = 11-12-10	DATE - 11-12-10	REVISED -		SCALE: N.T.S.	SHEET NO. OF SHEETS	STA. 113+57.00 TO STA. 123+00.00	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PART OF THE EAST HALF OF THE SOUTHWEST QUARTER AND THE WEST HALF OF THE SOUTHEAST QUARTER OF SECTION 2, TOWNSHIP 42 NORTH, RANGE 11 EAST OF THE 3RD PRINCIPAL MERIDIAN, COOK COUNTY, ILLINOIS.







COORDINATES ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83, EAST ZONE, AND THE CROSS OF PK NAILS AT THE CENTERLINE OF PROPOSED CONSTRUCTION OF IL-68 (DUNDEE ROAD) AT STATION 125+00.00 HAS A GROUND VALUE OF NORTH 1,993,720.784 - EAST 1,097,520.901

STATION	OFFSET	NORTH	EAST
115+57.00	0.00' RT	1,993,686.855	1,096,378.405
115+57.00	50.27' RT	1,993,636.612	1,096,379.897
115+57.00	55.27' RT	1,993,631.614	1,096,380.045
113+86.28	50.30' LT	1,993,738.005	1,096,406.182
113+86.67	60.30' LT	1,993,748.012	1,096,406.271
117+46.86	60.29' LT	1,993,758.688	1,096,766.306
118+00.00	55.26' RT	1,993,644.770	1,096,822.850
118+00.00	70.26' RT	1,993,629.776	1,096,823.295
118+50.00	50.28' LT	1,993,751.749	1,096,869.695
118+50.00	60.28' LT	1,993,761.745	1,096,869.398
118+50.00	70.28' LT	1,993,771.740	1,096,869.101
118+94.00	50.26' RT	1,993,652.559	1,096,916.660
118+94.00	70.26' RT	1,993,632.568	1,096,917.254
118+95.00	70.28' LT	1,993,773.074	1,096,914.082
118+95.00	131.77' L	1,993,834.539	1,096,912.256
119+26.79	50.28' LT	1,993,754.025	1,096,946.453
119+52.12	70.26' RT	1,993,634.294	1,096,975.346
119+53.28	80.26' RT	1,993,624.333	1,096,976.803

STATION	OFFSET	NORTH	EAST
119+79.00	50.26' RT	1,993,655.083	1,097,001.623
119+79.00	70.26' RT	1,993,635.092	1,097,002.216
119+89.00	57.26' RT	1,993,648.383	1,097,011.826
119+89.00	80.26' RT	1,993,625.393	1,097,012.509
119+92.06	57.28' LT	1,993,762.957	1,097,011.483
119+93.23	50.28' LT	1,993,755.995	1,097,012.865
120+64.83	57.27' LT	1,993,765.114	1,097,084.219
120+99.57	57.26' RT	1,993,651.667	1,097,122.344
122+25.22	57.27' LT	1,993,769.867	1,097,244.538
122+50.07	57.25' RT	1,993,656.136	1,097,272.786
123+00.00	50.26' LT	1,993,765.087	1,097,319.497
123+00.00	57.26' LT	1,993,772.084	1,097,319.290
123+00.00	50.25' RT	1,993,664.616	1,097,322.481
123+00.00	57.25' RT	1,993,657.619	1,097,322.689
125+00.00	0.00' RT	1,993,720.784	1,097,520.901

LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINES
- PROPERTY (DEED) LINE
- APL — APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- 129.32' — MEASURED DIMENSION
- 129.32' (COMP) — COMPUTED DIMENSION
- (129.32') — RECORDED DIMENSION
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- "MAG" NAIL SET
- CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1 T2 T3 — THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO TIE FOUND IRON STAKE IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1 BT2 BT3 — THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M — STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

SCALE: 1" = 60'
GRAPHIC SCALE - FEET

STATE OF ILLINOIS)
)SS
COUNTY OF COOK)

THIS IS TO CERTIFY THAT I, WILLIAM J. FLEMING, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 2, TOWNSHIP 42 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, COOK COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT CHICAGO, ILLINOIS THIS 11TH DAY OF SEPTEMBER, A.D. 2009.

ILLINOIS PROFESSIONAL LAND SURVEYOR 35-3226
LICENSE EXPIRES ON 10/31/2010

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

RECEIVED
SEP 16 2009
PLATS & LEGALS

PTB 138/001
WORK ORDER 30
GRAEF PROJECT
2006-3022.30

GRAEF
8501 West Higgins Road
Suite 280
Chicago, IL 60631-2801
773 / 399 0112
Illinois Professional Design
Corporation 184-000938

PLAT OF HIGHWAYS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL-68 (DUNDEE ROAD)

SECTION: COUNTY: COOK
PROJECT: JOB NO.: R-90-008-09
STATION 113+00.00 TO STATION 125+00.00
SCALE: 1" = 60' SHEET 4 OF 4

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

ROUTE NAME: IL-68 (DUNDEE ROAD) SECTION: COOK COUNTY JOB NO.: R-90-008-09 RECORDING: RECORDED ON

REVISION DATE: REVISION MADE BY

Applied Technologies

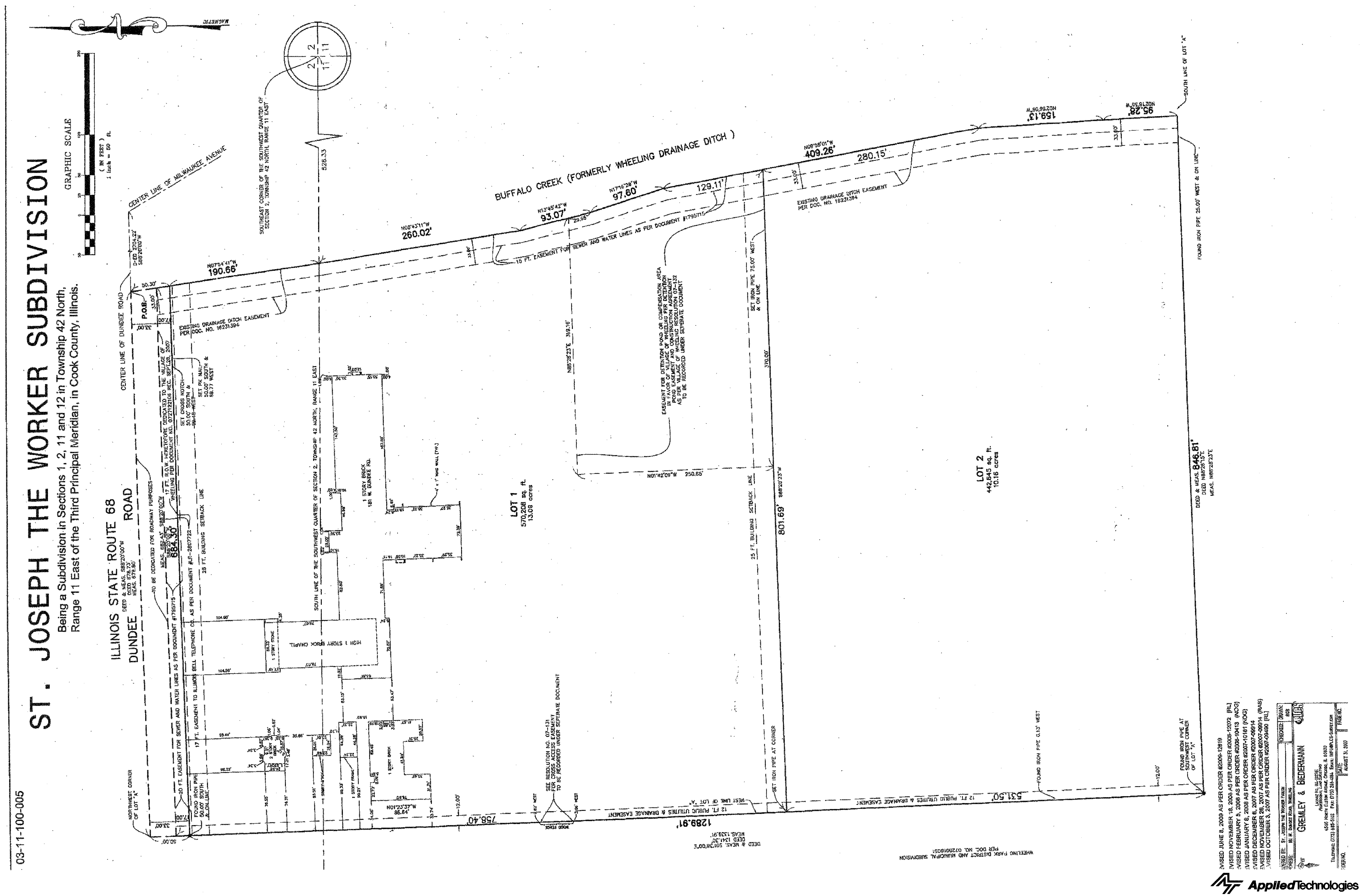
FILE NAME = ®FILE1®	USER NAME = RDS	DESIGNED - JDD	REVISED -
		DRAWN - RDS	REVISED -
	PLOT SCALE = 1"=50'	CHECKED -	REVISED -
	PLOT DATE = 11-12-10	DATE - 11-12-10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAT OF HIGHWAYS
IL ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH

SCALE: N.T.S. SHEET NO. OF SHEETS STA. 113+57.00 TO STA. 123+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	28
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



FILE NAME =	USER NAME = RDS	DESIGNED - JDD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAT OF HIGHWAYS IL ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH
$FILEL$		DRAWN - RDS	REVISED -		
	PLOT SCALE = 1"=50'	CHECKED -	REVISED -		
	PLOT DATE = 11-12-10	DATE - 11-12-10	REVISED -		SCALE: N.T.S. SHEET NO. OF SHEETS STA. 113+57.00 TO STA. 123+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	29
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

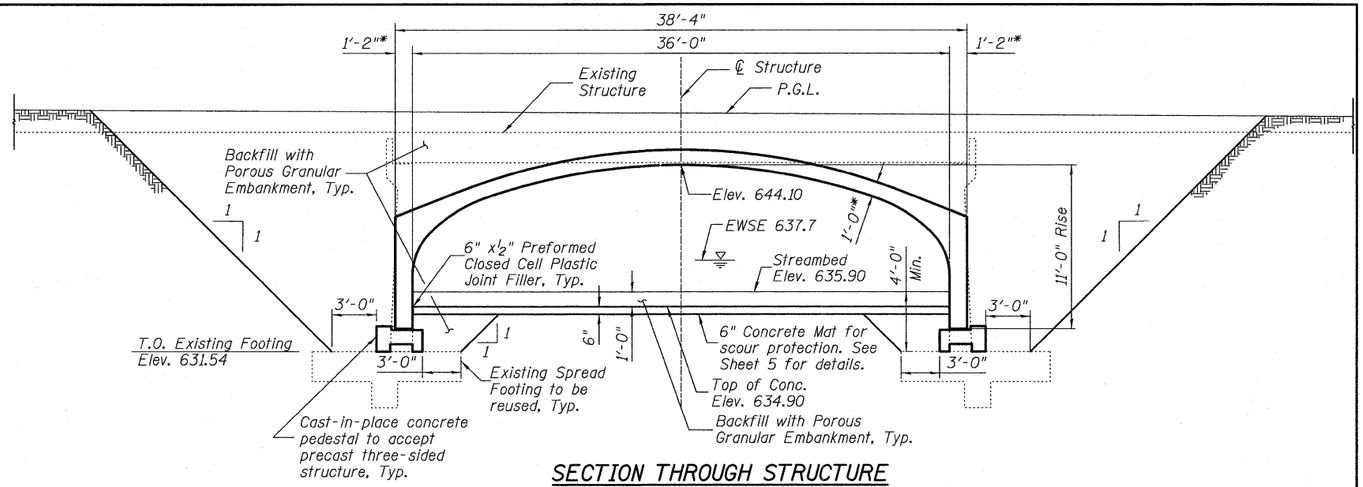
Bench Mark: Survey marker southwest of the intersection of Lake-Cook Road and Milwaukee Avenue. Northing 1,998,621.83, Easting 1,097,353.29, Elevation 664.70.

Existing Structure: 016-0525. Built in 1965 as part of County Highway 105-Section 105-1415.1-MFT as a single span prestressed concrete box beam multi-girder bridge. Five of the box beams were removed and replaced in 2006. Substructure is two full height reinforced concrete abutments on spread footings. 39'-6" back to back abutments and 65'-0" out to out. Existing Bridge is to be removed as required to install new three sided structure. Traffic is to be staged during construction utilizing two stages with two lanes of traffic for each stage.

Reuse Existing Footing.

Precast Alternate is not allowed for Footings.

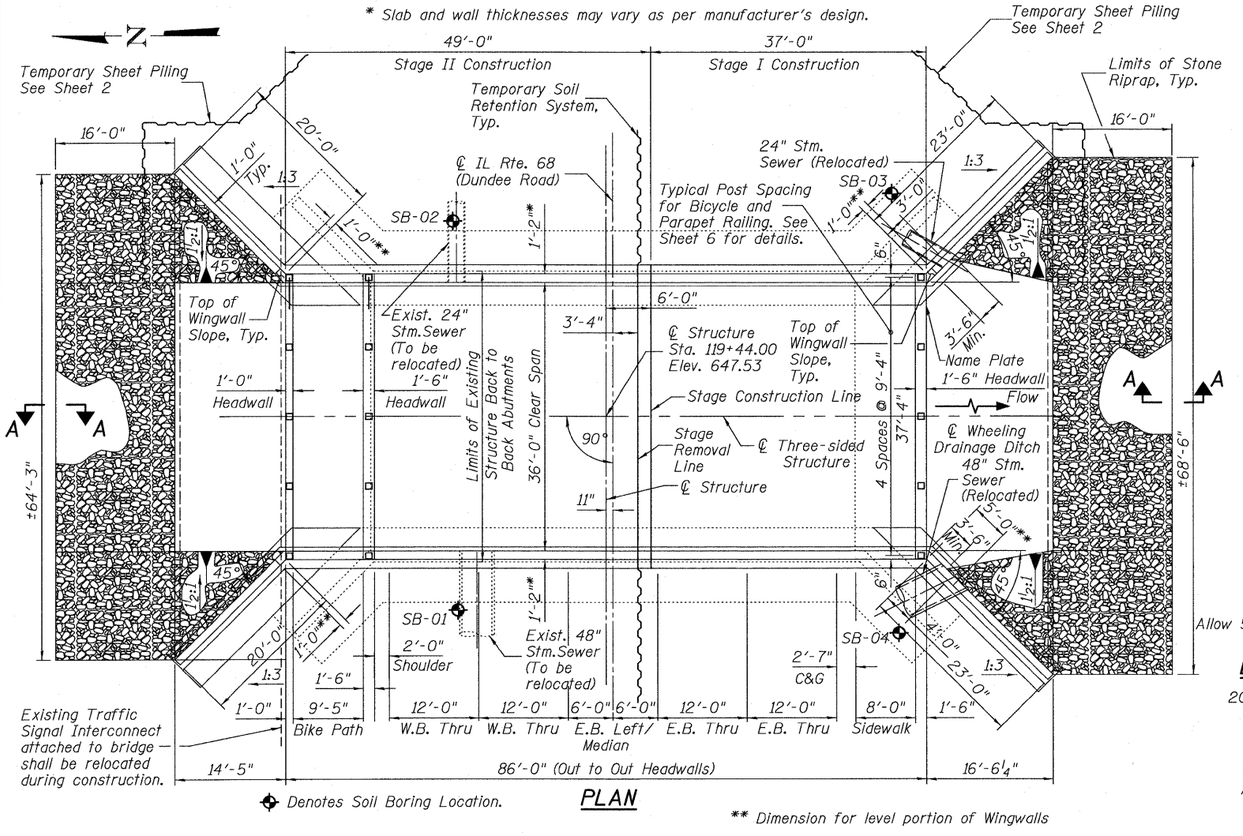
INDEX OF SHEETS



SECTION THROUGH STRUCTURE

Diversion of water may be required for stem and wingwall construction at the responsibility of the contractor.

* Slab and wall thicknesses may vary as per manufacturer's design.



Denotes Soil Boring Location.

PLAN

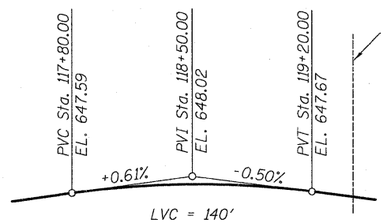
** Dimension for level portion of Wingwalls

STATION 119+44.00
BUILT 20 BY
STATE OF ILLINOIS
FAP RT 343 SEC. 98-B
LOADING HS-20
STRUCTURE NO. 016-0525

NAME PLATE

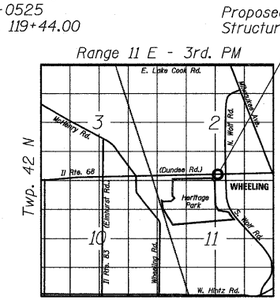
See Std. 515001

Existing Name Plate shall be cleaned and relocated next to new Name Plate. Cost included with Name Plates.

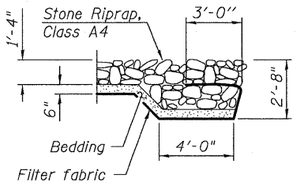


PROFILE GRADE

℄ IL Rte. 68 (Dundee Road)



LOCATION SKETCH



SECTION A-A

WATERWAY INFORMATION

Drainage Area = 22 sq. mi.

Existing Low Grade Elev. = 646.4 ft @ Sta. 119+00
Proposed Low Grade Elev. = 646.2 ft @ Sta. 123+00

Flood	Frequency Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Opening Sq. Ft. Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
	10	585	156	156	641.98	0.05	0.04	642.03	642.02
Design	50	940	178	178	642.57	0.15	0.15	642.72	642.72
Base	100	1203	205	205	643.29	0.22	0.22	643.51	643.51
Overtopping	Exceeds 500 Yr								
Max. Calc.	500	2003	236	236	644.21	1.24	1.23	645.45	645.44

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft.)	Upstream End	Downstream End
	631.90	631.90

LOADING HS-20

Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications

SEISMIC DATA

Seismic Performance Category = A
Acceleration Coefficient A = 0.035
Site Coefficient = 2.0

DESIGN STRESSES

EXISTING UNITS

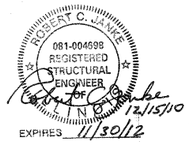
f'c = 3,500 psi
fy = 40,000 psi

FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)

PRECAST UNITS

f'c = 5,000 psi
fy = 60,000 psi (Reinforcement)
fy = 65,000 psi (Welded wire fabric)



APPROVED
FOR STRUCTURAL ADEQUACY ONLY

ENGINEER OF BRIDGES AND STRUCTURES

Applied Technologies

FILE NAME = GENERAL PLAN.DGN	USER NAME = RDS	DESIGNED - JRF	REVISED -
		CHECKED - PAT2	REVISED -
	PLOT SCALE = 1" = 10'	DRAWN - RDS	REVISED -
	PLOT DATE = 12-15-10	CHECKED - RCJ	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN
STRUCTURE NO. 016-0525
SHEET NO. 1 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	30
		CONTRACT NO. 60H20		
	ILLINOIS FED. AID PROJECT			

GENERAL NOTES

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contactor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Excavation behind existing abutment walls shall be performed to balance front and back soil pressure before removing the existing superstructure. The Contractor shall sawcut the upper portion of the existing abutment at the stage removal line before Stage I removal to ensure the remaining portion will not be prematurely damaged.

The foundation design is based on the following maximum reactions applied at the top of the footing/pedestal wall:

Three-Sided Structure footings: 22.0 Kips (vertical), 6.0 Kips (horizontal)
Wingwall footings: 10.0 Kips (vertical), 3.0 Kips (horizontal)

The Contractor shall verify that the selected structure meets these design parameters. If the design parameters are exceeded, a complete foundation design with calculations, details, and the required seals shall be submitted for review and approval.

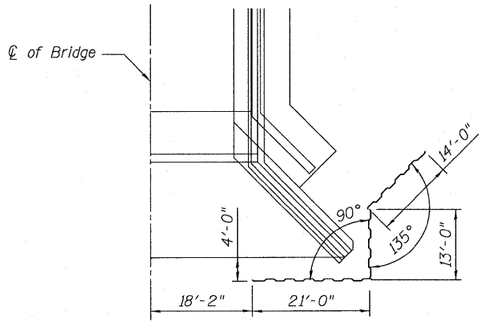
Precast concrete headwalls and wingwalls are to be paid for under Precast Concrete Substructures. Design of these items is by supplier.

Minimum section modulus of the temporary sheet piling shall be 55.0 in^3/ft.

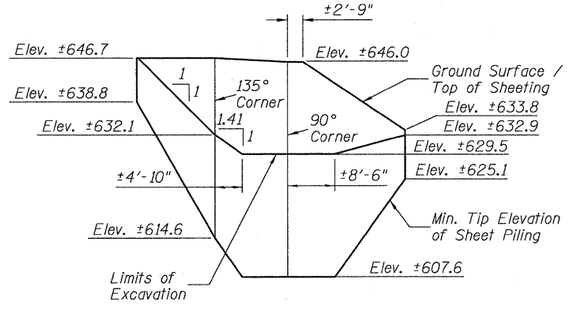
If the Contractor chooses to alter the temporary sheet piling design requirements shown on the plans for lesser design requirements, then a full design submittal including plan, details, and calculations will be required for review and acceptance by the Engineer.

TOTAL BILL OF MATERIAL

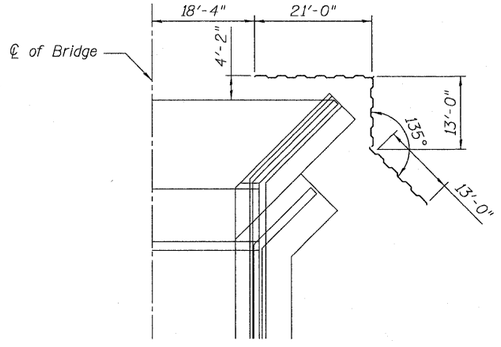
ITEM	UNIT	SUPER	SUB	TOTAL
POROUS GRANULAR EMBANKMENT	CU YD	0	2,610	2,610
STONE RIPRAP, CLASS A4	SQ YD	0	330	330
FILTER FABRIC	SQ YD	0	420	420
REMOVAL OF EXISTING STRUCTURES	EACH	1	0	1
STRUCTURE EXCAVATION	CU YD	0	2,550	2,550
CONCRETE STRUCTURES	CU YD	0	210	210
REINFORCEMENT BARS, EPOXY COATED	POUND	0	17,420	17,420
BAR SPLICERS	EACH	0	26	26
BICYCLE RAILING	FOOT	38	0	38
PARAPET RAILING	FOOT	75	0	75
NAME PLATES	EACH	1	0	1
PRECAST CONCRETE SUBSTRUCTURE	L SUM	0	1	1
THREE-SIDED PRECAST CONCRETE STRUCTURE 36'X11'	FOOT	0	86	86
ASBESTOS BEARING PAD REMOVAL	EACH	0	40	40
TEMPORARY SHEET PILING	SQ FT	0	2,700	2,700
TEMPORARY SOIL RETENTION SYSTEM	SQ FT	0	550	550



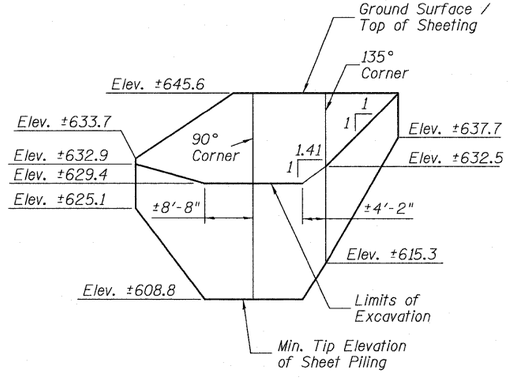
SOUTHEAST WINGWALL
TEMPORARY SHEETPILE WALL PLAN



SOUTHEAST WINGWALL
TEMPORARY SHEETPILE WALL ELEVATION
Looking East



NORTHEAST WINGWALL
TEMPORARY SHEETPILE WALL PLAN
Looking East



NORTHEAST WINGWALL
TEMPORARY SHEETPILE WALL ELEVATION
Looking East

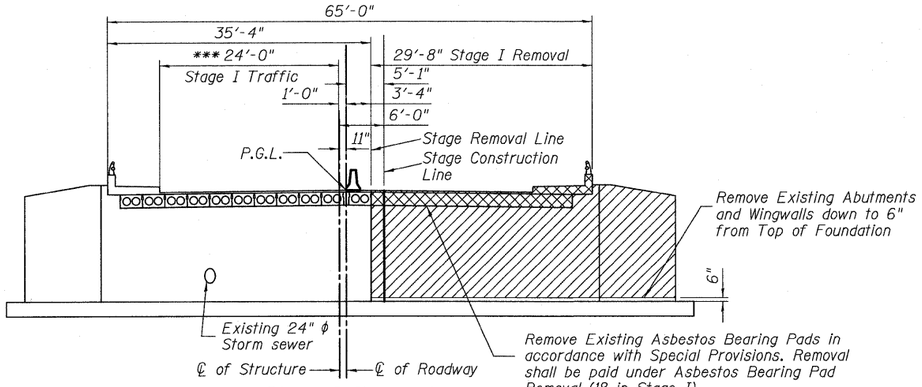
Applied Technologies

FILE NAME = GENERAL PLAN.DGN	USER NAME = RDS	DESIGNED - JRF	REVISED -
		CHECKED - PAT2	REVISED -
	PLOT SCALE =	DRAWN - RDS	REVISED -
	PLOT DATE = 12-15-10	CHECKED - RCJ	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

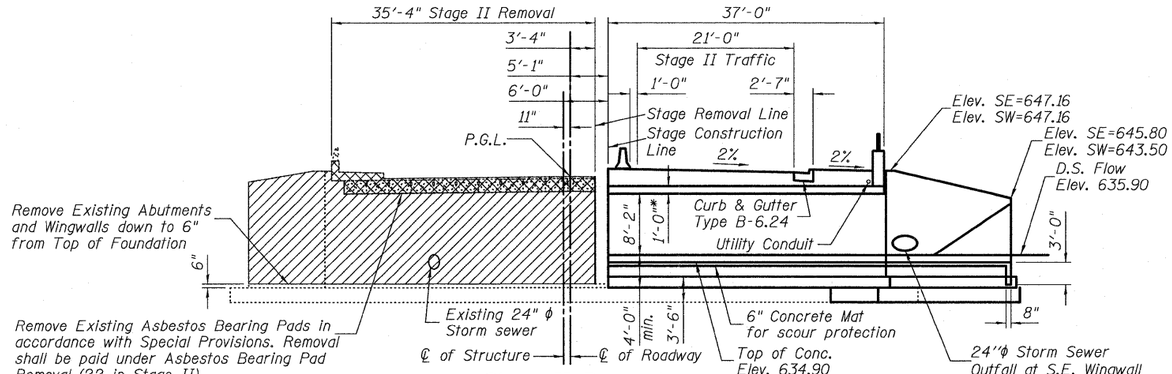
GENERAL PLAN
STRUCTURE NO. 016-0525
SHEET NO. 2 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	30A
		CONTRACT NO. 60H20		
		ILLINOIS FED. AID PROJECT		



Stage I Removal

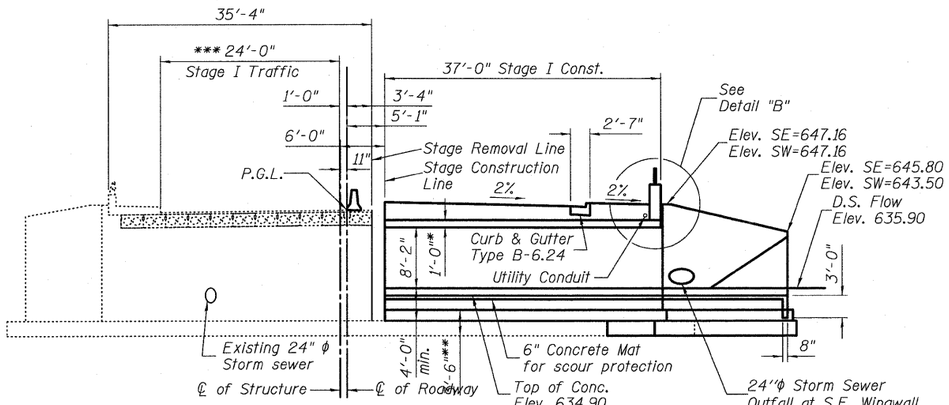
Looking East at ℄ of Structure



Stage II Removal

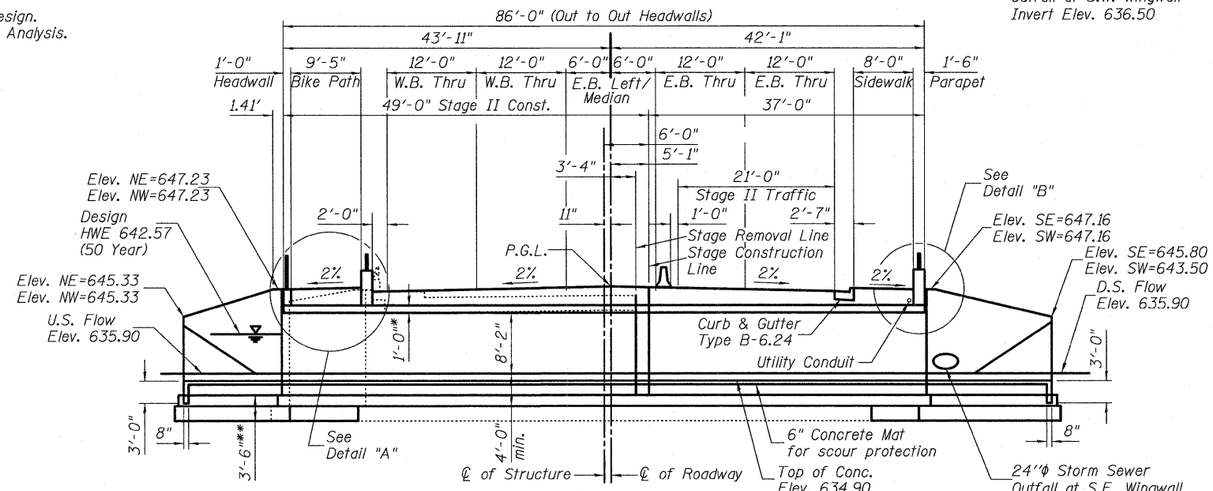
Looking East at ℄ of Structure

* Slab and wall thicknesses may vary as per manufacturer's design.
*** Stage I Traffic based on 2007 Bridge Condition Survey and Analysis.



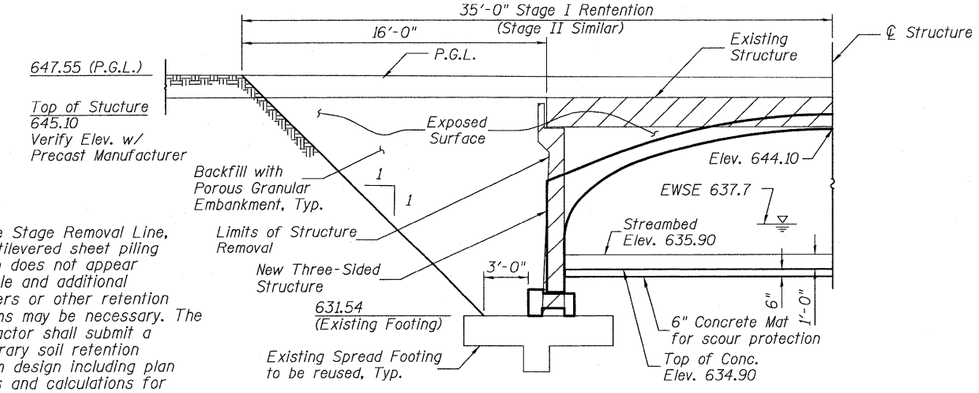
Stage I Construction

Looking East at ℄ of Structure



Stage II Construction

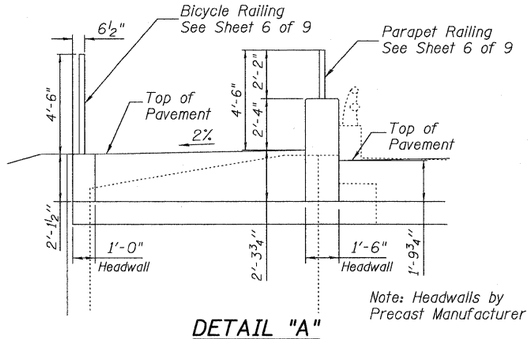
Looking East at ℄ of Structure



NOTE:

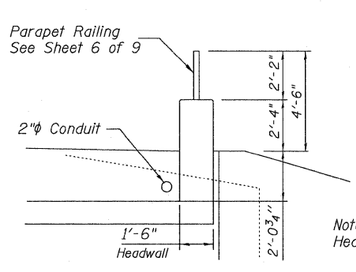
At the Stage Removal Line, a cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.

TEMPORARY SOIL RETENTION SYSTEM



Note: Headwalls by Precast Manufacturer

DETAIL "A"



Note: Headwall by Precast Mfr.

DETAIL "B"

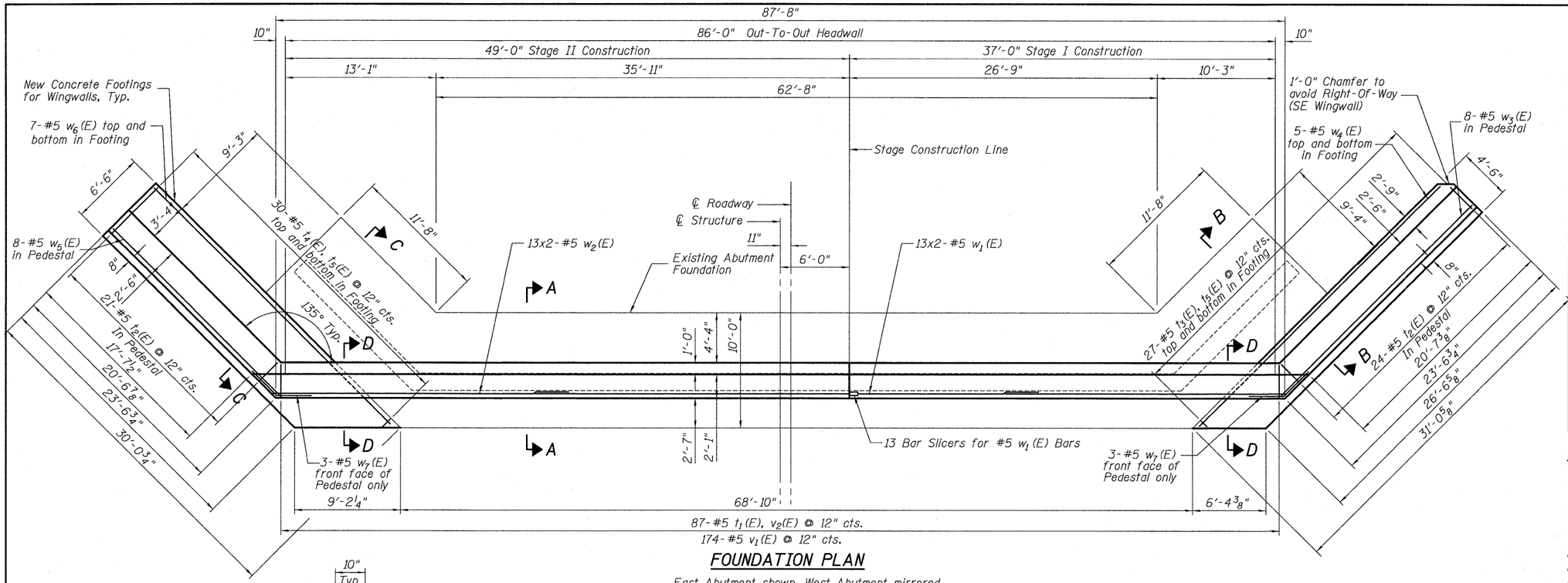
Applied Technologies

FILE NAME = STAGE CONSTRUCTION.DGN	USER NAME = RDS	DESIGNED - JRF	REVISED -
		CHECKED - PAT2	REVISED -
	PLOT SCALE = 1' = 1'	DRAWN - RDS	REVISED -
	PLOT DATE = 12-15-10	CHECKED - RCJ	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

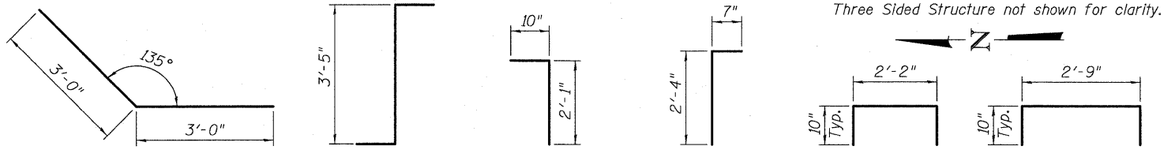
STAGE CONSTRUCTION
STRUCTURE NO. 016-0525
SHEET NO. 3 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	30B
		CONTRACT NO. 60H20		
		ILLINOIS FED. AID PROJECT		



FOUNDATION PLAN

East Abutment shown, West Abutment mirrored.
Three Sided Structure not shown for clarity.



BAR $w_7(E)$ | BAR $v_3(E)$ | BAR $v_2(E)$ | BAR $v_1(E)$ | BAR $t_2(E)$ | BAR $t_1(E)$

* *Epoxy grout bars in 8" min. depth drilled holes in accordance with Section 584 of the Standard Specifications. Cost incidental to Reinforcement Bars. Epoxy Coated.*

** *Thickness may vary as per manufacturer's design.*

FOUNDATION BILL OF MATERIAL

Bar	No.	Size	Length	Shape
$t_1(E)$	174	#5	4'-5"	
$t_2(E)$	90	#5	3'-10"	
$t_3(E)$	108	#5	4'-2"	
$t_4(E)$	120	#5	6'-2"	
$t_5(E)$	228	#5	1'-8"	
$v_1(E)$	348	#5	2'-11"	
$v_2(E)$	174	#5	2'-11"	
$v_3(E)$	180	#5	5'-1"	
$w_1(E)$	52	#5	27'-9"	
$w_2(E)$	52	#5	21'-0"	
$w_3(E)$	16	#5	23'-3"	
$w_4(E)$	20	#5	30'-8"	
$w_5(E)$	16	#5	20'-2"	
$w_6(E)$	28	#5	29'-8"	
$w_7(E)$	12	#5	6'-0"	
Reinforcement Bars, Epoxy Coated		Pound	10,300	
Concrete Structures		Cu Yd	112	
#5 Bar Splicers		Each	26	

NOTES:

Reinforcement bars designated (E) shall be epoxy coated.

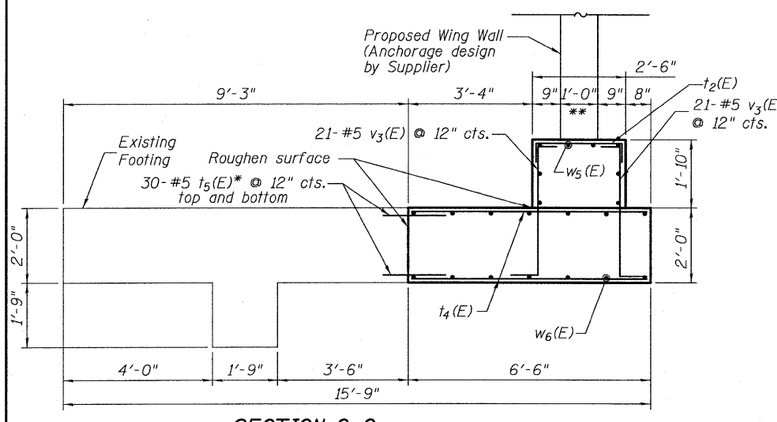
Order $t_3(E)$, $t_4(E)$, $w_4(E)$ and $w_6(E)$ full length and field cut bars as required to fit at flared ends.

Bars indicated thus: 36 x 3-#4 etc., indicates 36 lines of bar with 3 lengths per bar.

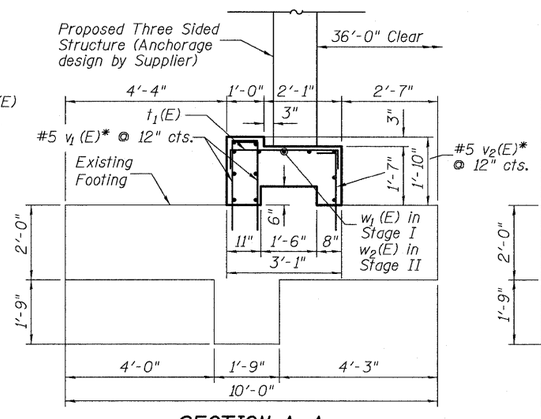
Existing Footing drawn according to existing plans. Contractor to field verify.

MINIMUM BAR LAP

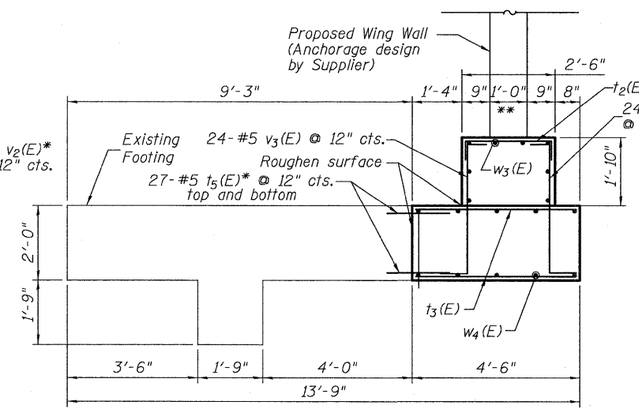
*5 Bar = 2'-10"



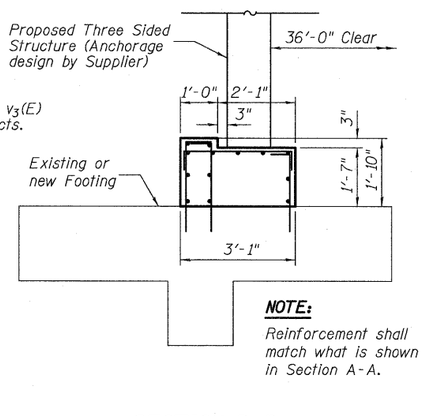
SECTION C-C



SECTION A-A



SECTION B-B



NOTE:

Reinforcement shall match what is shown in Section A-A.

SECTION D-D

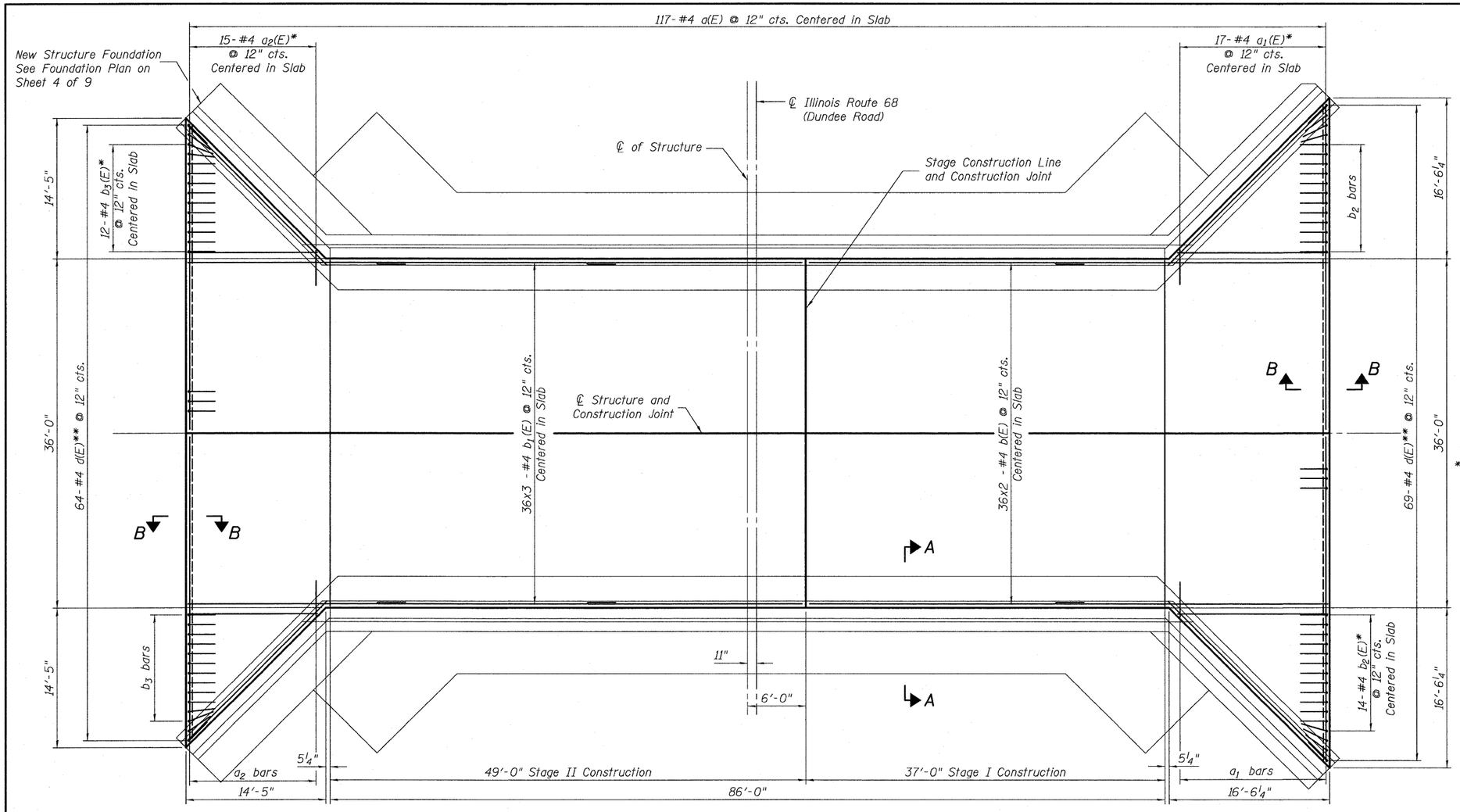
Applied Technologies

FILE NAME = FOUNDATION.DGN	USER NAME = RDS	DESIGNED - JRF	REVISED -
		CHECKED - PAT2	REVISED -
	PLOT SCALE = 1" = 1'	DRAWN - RDS	REVISED -
	PLOT DATE = 12-15-10	CHECKED - RCJ	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOUNDATION PLAN
STRUCTURE NO. 016-0525
SHEET NO. 4 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	30C
		CONTRACT NO. 60H20		
		ILLINOIS FED. AID PROJECT		



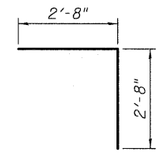
SCOUR PROTECTION MAT PLAN

N

SCOUR PROTECTION MAT BILL OF MATERIAL

Bar	No.	Size	Length	Shape
d(E)	234	#4	17'-7"	
a_1(E)	17	#4	20'-6"	
a_2(E)	15	#4	18'-5"	
b(E)	72	#4	27'-7"	
b_1(E)	108	#4	22'-3"	
b_2(E)	14	#4	16'-2"	
b_3(E)	12	#4	14'-1"	
d(E)	134	#4	5'-4"	
h_1(E)	12	#4	16'-10"	
h_2(E)	12	#4	17'-10"	
Reinforcement Bars, Epoxy Coated			Pound	7,120
Concrete Structures			Cu Yd	98

* See field cutting diagram.
** Splay bars at flared end as required.

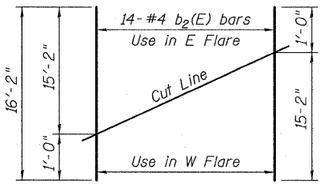


BAR d(E)

MINIMUM BAR LAPS
#4 Bar = 1'-7"

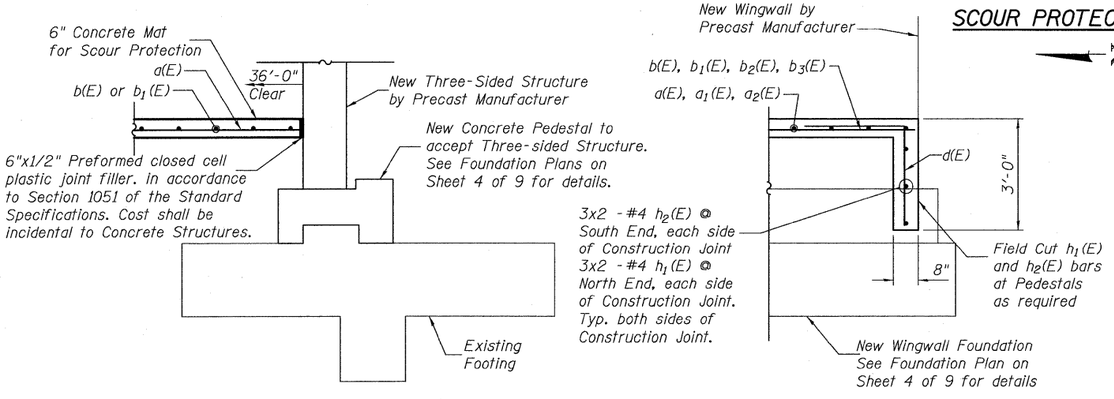
NOTES:
Reinforcement bars designated (E) shall be epoxy coated.

Bars indicated thus: 36 x 3-#4 etc., indicates 36 lines of bar with 3 lengths per bar.



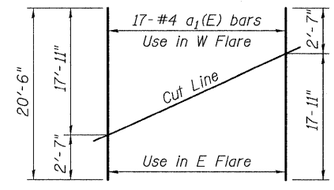
b_2 (E) FIELD CUTTING DIAGRAM

Order b_2(E) bars full length. Cut as shown and use remainder of bars in opposite flared end.



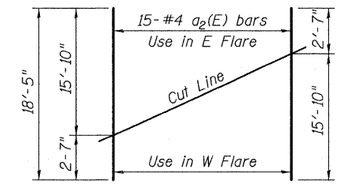
SECTION A-A

SECTION B-B



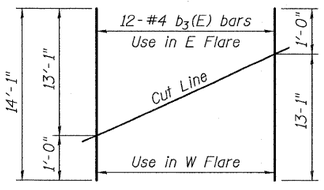
a_1 (E) FIELD CUTTING DIAGRAM

Order a_1(E) bars full length. Cut as shown and use remainder of bars in opposite flared end.



a_2 (E) FIELD CUTTING DIAGRAM

Order a_2(E) bars full length. Cut as shown and use remainder of bars in opposite flared end.



b_3 (E) FIELD CUTTING DIAGRAM

Order b_3(E) bars full length. Cut as shown and use remainder of bars in opposite flared end.

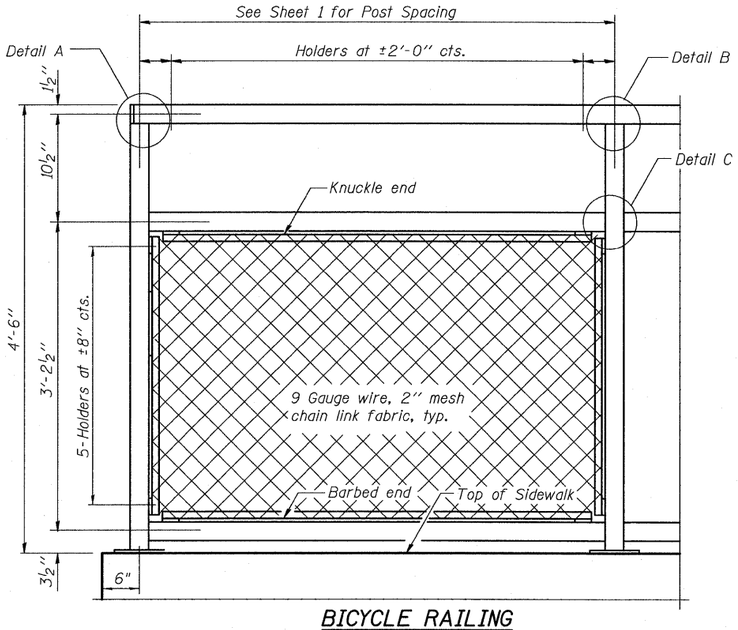
Applied Technologies

FILE NAME = CONCRETE BARRIER.DGN	USER NAME = RDS	DESIGNED - JRF	REVISED -
		CHECKED - PAT2	REVISED -
	PLOT SCALE = 1" = 1'	DRAWN - RDS	REVISED -
	PLOT DATE = 12-15-10	CHECKED - RCJ	REVISED -

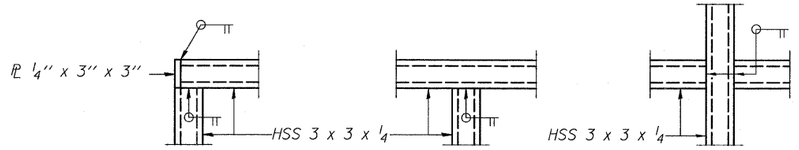
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCOUR PROTECTION MAT
STRUCTURE NO. 016-0525
SHEET NO. 5 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	30D
		CONTRACT NO. 60H20		
		ILLINOIS FED. AID PROJECT		



BICYCLE RAILING

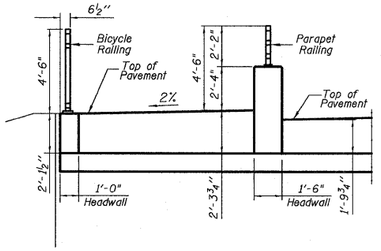


DETAIL A

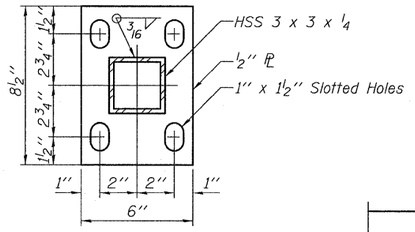
DETAIL B

DETAIL C

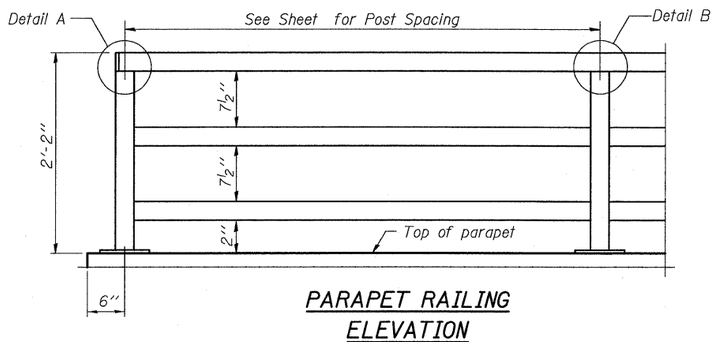
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.



SECTION THRU BIKE PATH

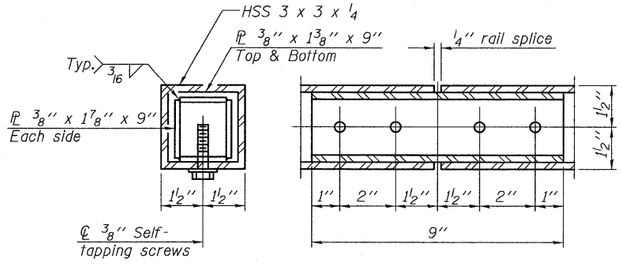


BASE ℄

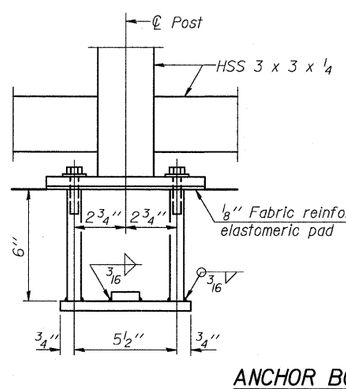


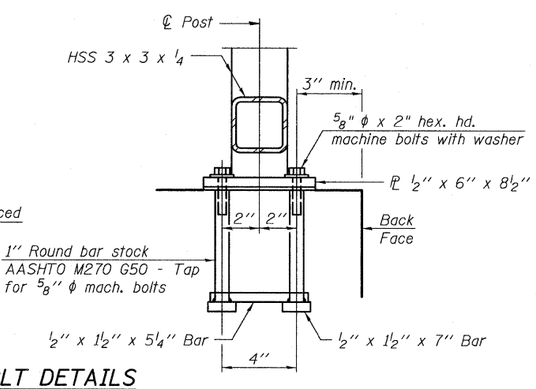
PARAPET RAILING ELEVATION

(Inside Face of Three Element Rail)



RAIL SPLICE





ANCHOR BOLT DETAILS

In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting ⅝" ϕ anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

BILL OF MATERIAL

Item	Unit	Quantity
Bicycle Railing	Foot	37'-4"
Parapet Railing	Foot	74'-8"

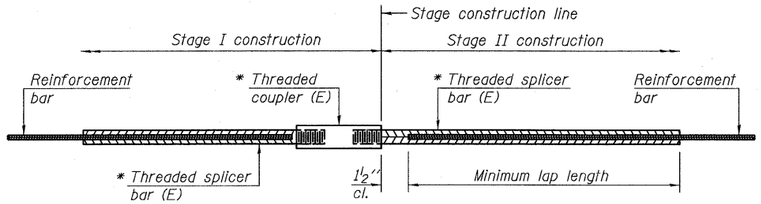
Applied Technologies

FILE NAME = BICYCLE RAILING.DGN	USER NAME = RDS	DESIGNED - JRF	REVISED -
		CHECKED - PAT2	REVISED -
	PLOT SCALE = 1" = 1'	DRAWN - RDS	REVISED -
	PLOT DATE = 12-15-10	CHECKED - RCJ	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAILING DETAILS
STRUCTURE NO. 016-0525
SHEET NO. 6 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	30E
		CONTRACT NO. 60H20		
		ILLINOIS FED. AID PROJECT		



STANDARD BAR SPLICER ASSEMBLY

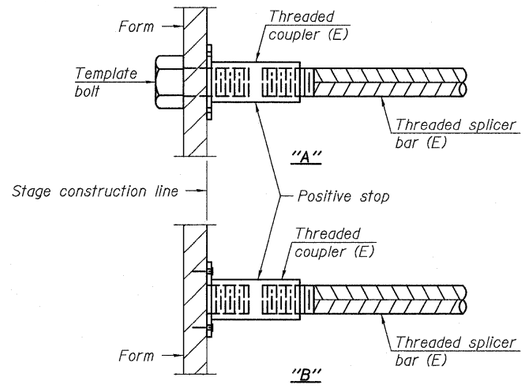
Minimum Lap Lengths					
Bar size to be spliced	Table 1	Table 2	Table 3	Table 4	Table 5
3, 4	1'-5"	1'-11"	2'-1"	2'-4"	2'-3"
5	1'-9"	2'-5"	2'-7"	2'-11"	2'-10"
6	2'-1"	2'-11"	3'-1"	3'-6"	3'-4"
7	2'-9"	3'-10"	4'-2"	4'-8"	4'-6"
8	3'-8"	5'-1"	5'-5"	6'-2"	5'-10"
9	4'-7"	6'-5"	6'-10"	7'-9"	7'-5"

Table 1: Black bar, 0.8 Class C
Table 2: Black bar, Top bar lap, 0.8 Class C
Table 3: Epoxy bar, 0.8 Class C
Table 4: Epoxy bar, Top bar lap, 0.8 Class C
Table 5: Epoxy bar, Top bar lap, Class B

Threaded splicer bar length = min. lap length + 1½" + thread length

* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length
Pedestal	#5	26	4



INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.

NOTES

Splicer bars shall be deformed with threaded ends and have a minimum 60 ksi yield strength.

All reinforcement shall be lapped and tied to the splicer bars.

Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.

See special provision for Mechanical Splicers.

See approved list of bar splicer assemblies and mechanical splicers for alternatives.

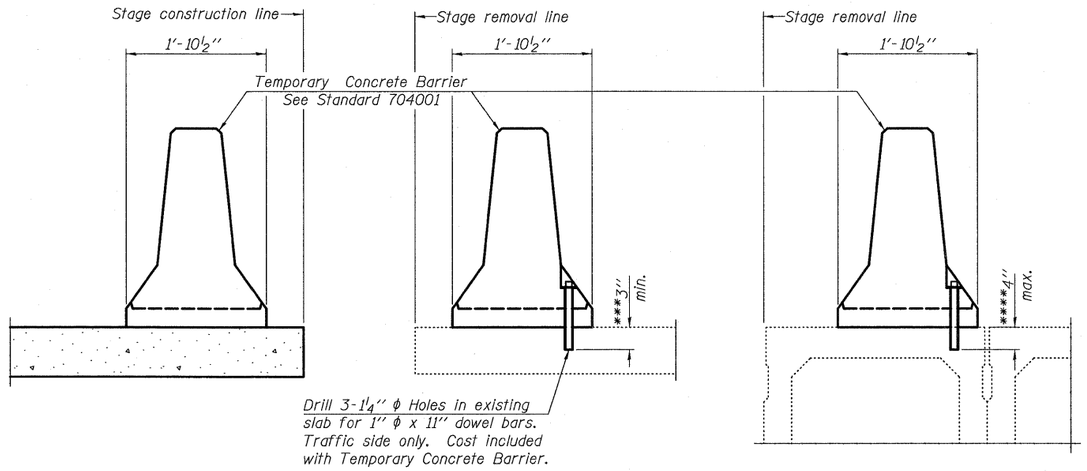
Applied Technologies

FILE NAME = SPLICERS.DGN	USER NAME = RDS	DESIGNED - JRF	REVISED -
		CHECKED - PAT2	REVISED -
	PLOT SCALE = 1" = 1'	DRAWN - RDS	REVISED -
	PLOT DATE = 12-15-10	CHECKED - RCJ	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO. 016-0525
SHEET NO. 7 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	30F
		CONTRACT NO. 60H20		
		ILLINOIS FED. AID PROJECT		



NEW ASPHALT PAVEMENT | EXISTING SLAB | EXISTING DECK BEAM

SECTIONS THRU PAVEMENT, SLAB OR DECK BEAM

NOTES

Anchor Concrete Barrier during Stage II Construction per Standard 704001.

Cost of anchorage is included with Temporary Concrete Barrier.

*** Dimension shown is minimum required embedment into concrete. If hot-mix asphalt wearing surface is present, minimum embedment shall be in addition to wearing surface depth.

**** If existing deck beam is to remain in place after stage construction, embedment shall only be into wearing surface and not into existing deck beam concrete.

Applied Technologies

FILE NAME = CONCRETE BARRIER.DGN	USER NAME = RDS	DESIGNED - JRF	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION STRUCTURE NO. 016-0525	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED - PAT2	REVISED -			343	98-B	COOK	65	30G
	PLOT SCALE = 1" = 1'	DRAWN - RDS	REVISED -					CONTRACT NO. 60H20		
	PLOT DATE = 12-15-10	CHECKED - RCJ	REVISED -		SHEET NO. 8 OF 9 SHEETS			ILLINOIS FED. AID PROJECT		

Illinois Department of Transportation
Division of Highways
Applied GeoScience, Inc.

SOIL BORING LOG

Page 1 of 2

Date 2/26/10

ROUTE IL Route 68 DESCRIPTION Dundee Road over Wheeling Drainage Ditch LOGGED BY MG

SECTION 105-1415-1-MFT LOCATION FAP Route 343, SEC. , TWP. , RNG.

COUNTY Cook DRILLING METHOD Mud Rotary HAMMER TYPE Manual

STRUCT. NO. 016-2302
Station 119+44

BORING NO. SB-1
Station 118+97.54
Offset 8.57Rt LT
Ground Surface Elev. 646.14 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter _____ ft
Upon Completion _____ ft
After ____ Hrs. _____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
6" Asphalt over 7" concrete			
645.14			
Silty clay & sand, some small gravel, dark gray, stiff (FILL) Encountered railroad at 6'. Moved boring 8' South & 4' West	13		
	10	1.5	
	10		
	15		
	10	1.5	
-5	15		
640.14			
Silty clay & sand, some small gravel, trace brick, dark gray & brown, medium dense (FILL)	8		
	9	1.5	
	6		
637.14			
	7		
Fine to coarse sand, some fine gravel, trace silt, brown, dense (SW)	19		
-10	17		
635.14			
Gravel & sand, some silt, gray, dense (GW-SW)	10		
	15		
	22		
632.14			
	15		
Gravel, gray, wet, dense (GW)	23		
-15	40		
	8		
629.14			
	24		
Coarse sand, gray, medium dense (SW)	16		
627.64			
Silty clay, gray, very stiff (CL)	11	2.0	
	9		
-20	14		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Silty clay, gray, very stiff (CL) *(continued)*			
	10		
	11	2.5	
	16		
	8		
-25	9	2.0	
	14		
620.14			
Clay & silt, gray, hard (CL-ML)	12		
	14	4.0	
	50		
617.64			
Silt & sand, trace clay, gray, wet, dense (ML)	25		
	34		
-30	50		
616.14			
Silt, gray, dense (ML)			
612.14			
Clayey silt, gray, hard (ML-CL)	34		
-35	50		
-40			
606.14			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Applied GeoScience, Inc.

SOIL BORING LOG

Page 1 of 2

Date 2/25/10

ROUTE IL Route 68 DESCRIPTION Dundee Road over Wheeling Drainage Ditch LOGGED BY MG

SECTION 105-1415-1-MFT LOCATION FAP Route 343, SEC. , TWP. , RNG.

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Manual

STRUCT. NO. 016-2302
Station 119+44

BORING NO. SB-2
Station 119+86.37
Offset 19.41ft LT
Ground Surface Elev. 646.15 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter _____ ft
Upon Completion 624.7 ft ▽
After ____ Hrs. _____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
6" Asphalt over 5" concrete			
645.15			
Silty clay, some small gravel & sand, gray, medium stiff (FILL)	8		
	5	2.0	18.3
	8		
643.15			
Silty clay & sand, trace wood, gray, wet FILL)	9		
	17		17.6
-5	20		
639.65			
Fine to medium sand & gravel, gray, moist, medium dense	8		13.2
	8		
637.15			
Fine to coarse sand, trace stone & clay, gray, moist to wet, medium dense to dense (SW-SP)	8		12.6
-10	8		
	13		
	25		5.2
	25		
632.65			
Silty fine to coarse sand, trace fine gravel, gray, wet, medium dense (SW)	8		
	10		15.6
-15	9		
629.65			
Silty clay, gray, very stiff (CL)	23		
	19	2.0	24.1
	7		
627.15			
Silt, gray, dry, medium dense (ML)	8	2.5	20.3
-20	8		
626.15			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Clayey silt, gray, medium dense (ML-CL)			
▽	5		
	7	2.8	25.2
	8		
623.15			
Silt, trace clay, gray, dry, dense (ML)	19		
	31	4.5	18.1
-25	37		
	27		
	50		16.2
	28		
	43		15.4
-30	42		
	10		
613.15			
Silt, trace clay, gray, wet, dense (ML)	15		21.2
-35	15		
608.15			
Silty sand, gray, wet, medium dense (ML-SM)	11		
	10		22.1
-40	10		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Applied GeoScience, Inc.

SOIL BORING LOG

Page 1 of 2

Date 3/1/10

ROUTE IL Route 68 DESCRIPTION Dundee Road over Wheeling Drainage Ditch LOGGED BY MG

SECTION 105-1415-1-MFT LOCATION FAP Route 343, SEC. , TWP. , RNG.

COUNTY Cook DRILLING METHOD Mud Rotary HAMMER TYPE Manual

STRUCT. NO. 016-2302
Station 119+44

BORING NO. SB-3
Station 119+92.15
Offset 40.79ft RT
Ground Surface Elev. 646.59 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter _____ ft
Upon Completion _____ ft
After ____ Hrs. _____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Fine to medium sand, some gravel, dark brown, moist, medium dense to loose (FILL)			
	10		
	6		6.5
	5		
-5	4		
	3		8.0
	3		
640.59			
Fine to medium sand,trace stone, dark brown, moist, loose (FILL)	4		
	3		5.9
	3		
638.59			
Silty clay, some organic at 9', some wood & large gravel, moist, dense (FILL)	37		
	50		14.1
-10			
635.59			
Fine to coarse sand & fine gravel, brown, wet, loose to medium dense (SW-GW)	3		
	3		19.0
	3		
	6		
	6		16.5
631.59 -15	5		
Gravel & sand, brown, wet loose (GP-SW)	6		
	4		11.9
	4		
	8		
	4		13.1
-20	5		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gravel & sand, brown, wet loose (GP-SW) *(continued)*			
626.59			
Small to large stone, wet, gray, medium dense (GP-GW)	7		
	5		16.6
	5		
624.09			
Silty clay, gray, stiff (CL)	12		
	11	1.5	15.1
-25	13		
621.59			
Silty clay, trace stone, gray, very stiff (CL)	9		
	19	2.5	18.9
	19		
619.59			
Sand & gravel, wet, dense (SW)	19		
	50	4.5	17.8
-30			
Clayey silt, some stone, gray, dense (CL-ML)			
613.59			
Silt, some clay, gray, wet, very dense (ML)	50		
		3.0	14.1
-35			
609.59			
Silt & fine sand, gray, wet, very dense (ML)	50		
			20.0
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Applied GeoScience, Inc.

SOIL BORING LOG

Page 1 of 2

Date 3/1/10

ROUTE IL Route 68 DESCRIPTION Dundee Road over Wheeling Drainage Ditch LOGGED BY MG

SECTION 105-1415-1-MFT LOCATION FAP Route 343, SEC. , TWP. , RNG.

COUNTY Cook DRILLING METHOD Mud Rotary HAMMER TYPE Manual

STRUCT. NO. 016-2302
Station 119+44

BORING NO. SB-4
Station 119+03.05
Offset 45.43ft
Ground Surface Elev. 645.33 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter _____ ft
Upon Completion _____ ft
After ____ Hrs. _____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Topsoil, silty clay, trace roots, gravel & brick, dark gray, very stiff (FILL)	4		
	6	2.5	18.4
642.83	6		
Silty clay, some stone, trace roots, dark gray, wet, soft (FILL)			
	2		
	3		32.7
-5	3		
640.33 -25			
	3		
	5		28.8
	5		
637.33			
Sand & stone, some clay, trace organics, dark gray, wet, loose (FILL)	3		
	5		15.1
-10	4		
634.33			
Sandy clay & stone, trace organic, wet, dark gray, loose (FILL)	2		
	3		22.6
	3		
632.33			
Silty clay, some organic, trace sand, dark gray, soft	2		
	2	0.8	20.3
-15	4		
629.33			
Silty clay, some stone, trace organic & sand, dark gray, wet, medium stiff	2		
	4		24.7
	4		
627.33			
Sand, some stone & silt, dark gray, medium dense	3		
	7		24.4
-20	10		
625.33			

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Silty clay, trace stone, gray, stiff			
	6		
	9	1.8	15.3
	11		
622.33			
Silty clay, some stone with silt & sand layers, gray, stiff	10		
	25	1.8	17.3
620.33 -25	30		
Clayey silt, some stone, gray, very stiff			
	28		
	50	3.0	15.7
617.33			
Silt, some gravel, trace clay, gray, very dense (ML)	30		
	50	3.5	16.1
-30			
-35	50		19.6
-40			
605.33			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Applied GeoScience, Inc.

SOIL BORING LOG

Page 2 of 2

Date 2/26/10

ROUTE IL Route 68 DESCRIPTION Dundee Road over Wheeling Drainage Ditch LOGGED BY MG

SECTION 105-1415-1-MFT LOCATION FAP Route 343, SEC. , TWP. , RNG.

COUNTY Cook DRILLING METHOD Mud Rotary HAMMER TYPE Manual

STRUCT. NO. 016-2302
Station 119+44

BORING NO. SB-1
Station 118+97.54
Offset 8.57Rt LT
Ground Surface Elev. 646.14 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter _____ ft
Upon Completion _____ ft
After ____ Hrs. _____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Silty clay, trace gravel, gray, hard (ML-CL)			
	9		
	18	4.5	
-45	19		
598.14			
Gravel with limestonepieces, some silt & clay, gray, very dense (GP)	37		
	42		
596.14 -50	50		
End of Boring			
-55			
-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Applied GeoScience, Inc.

SOIL BORING LOG

Page 2 of 2

Date 2/25/10

ROUTE IL Route 68 DESCRIPTION Dundee Road over Wheeling Drainage Ditch LOGGED BY MG

SECTION 105-1415-1-MFT LOCATION FAP Route 343, SEC. , TWP. , RNG.

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE Manual

STRUCT. NO. 016-2302
Station 119+44

BORING NO. SB-2
Station 119+86.37
Offset 19.41ft LT
Ground Surface Elev. 646.15 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter _____ ft
Upon Completion 624.7 ft ▽
After ____ Hrs. _____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Silty sand, gray, wet, medium dense (ML-SM) *(continued)*			
	19		
	28		20.2
-45	28		
596.15			
Silt, one large stone, gray, wet, dense (ML)	32		
	25		22.7
-50	33		
593.15			
Coarse sand, some stone, gray, wet, medium dense (SW)	10		
	9		14.0
-55	8		
588.15			
Fine gravel & coarse sand, gray, wet, dense (SW)	12		
	16		13.6
-60	8		
586.15			
End of Boring			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Applied GeoScience, Inc.

SOIL BORING LOG

Page 2 of 2

Date 3/1/10

ROUTE IL Route 68 DESCRIPTION Dundee Road over Wheeling Drainage Ditch LOGGED BY MG

SECTION 105-1415-1-MFT LOCATION FAP Route 343, SEC. , TWP. , RNG.

COUNTY Cook DRILLING METHOD Mud Rotary HAMMER TYPE Manual

STRUCT. NO. 016-2302
Station 119+44

BORING NO. SB-3
Station 119+92.15
Offset 40.79ft RT
Ground Surface Elev. 646.59 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter _____ ft
Upon Completion _____ ft
After ____ Hrs. _____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Silt & fine sand, gray, wet, very dense (ML) *(continued)*			
	36		
	50		21.3
-45			
598.59			
Silt & stone, trace clay, gray, wet, very dense (ML)	7		
	12		16.9
-50	15		
594.09			
Gravel & coarse sand, gray, wet, medium dense (GW-SW)			
	50		
			16.3
-55			
586.59			
Auger Refusal			
End of Boring			
-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
Applied GeoScience, Inc.

SOIL BORING LOG

Page 2 of 2

Date 3/1/10

ROUTE IL Route 68 DESCRIPTION Dundee Road over Wheeling Drainage Ditch LOGGED BY MG

SECTION 105-1415-1-MFT LOCATION FAP Route 343, SEC. , TWP. , RNG.

COUNTY Cook DRILLING METHOD Mud Rotary HAMMER TYPE Manual

STRUCT. NO. 016-2302
Station 119+44

BORING NO. SB-4
Station 119+03.05
Offset 45.43ft
Ground Surface Elev. 645.33 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft

Groundwater Elev.:
First Encounter _____ ft
Upon Completion _____ ft
After ____ Hrs. _____ ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Sand, silt & gravel, gray, wet, dense			
	22		
	50		14.3
-45			
	21		
	19		15.6
-50	15		
594.33			
Refusal to auger drilling			
End of Boring			
-55			
-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

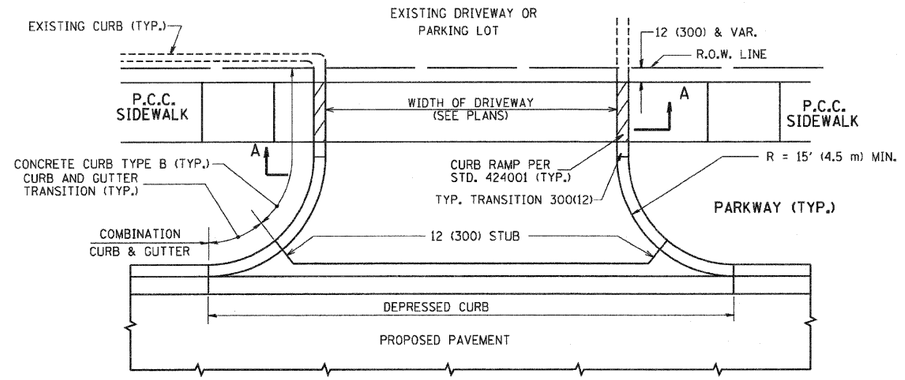
AppliedTechnologies

FILE NAME = BORING LOG.DGN	USER NAME = RDS	DESIGNED - JRF	REVISED -
		CHECKED - PAT2	REVISED -
	PLOT SCALE = 1" = 50'	DRAWN - RDS	REVISED -
	PLOT DATE = 12-15-10	CHECKED - RCJ	REVISED -

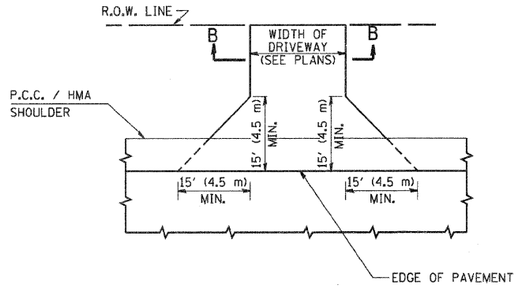
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOG SHEETS
IL ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH
SHEET NO. 9 OF 9 SHEETS

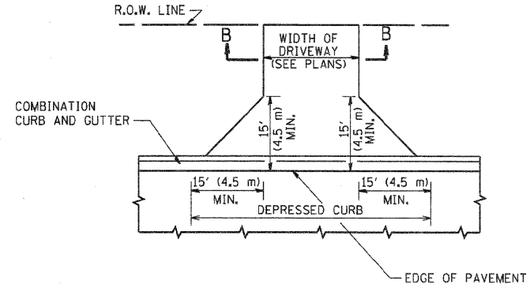
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	31
		CONTRACT NO. 60H20		
		ILLINOIS FED. AID PROJECT		



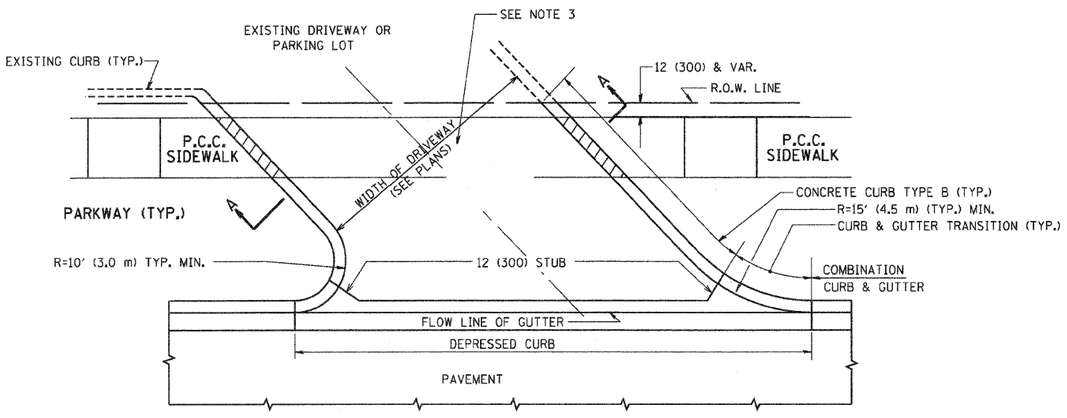
WITH CONCRETE CURB, TYPE B



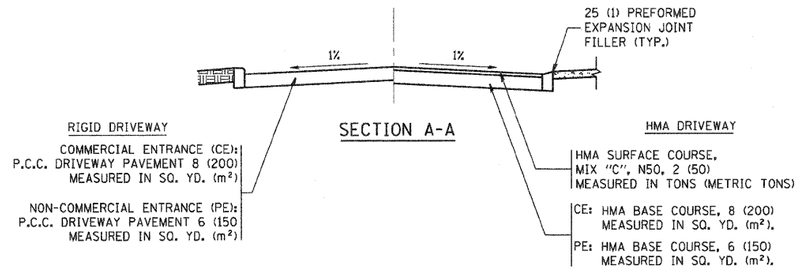
ADJACENT TO P.C.C. / HMA SHOULDER

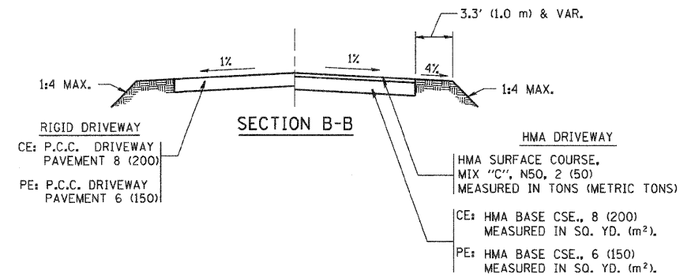


ADJACENT TO CURB AND GUTTER



WITH CONCRETE CURB, TYPE B





RURAL FIELD ENTRANCE (FE)

HMA SURFACE COURSE, MIX "C", N50, 2 (50) MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE CSE., TYPE B, 8 (200) MEASURED IN SQ. YD. (m²).

GENERAL NOTES:

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

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

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

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

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

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

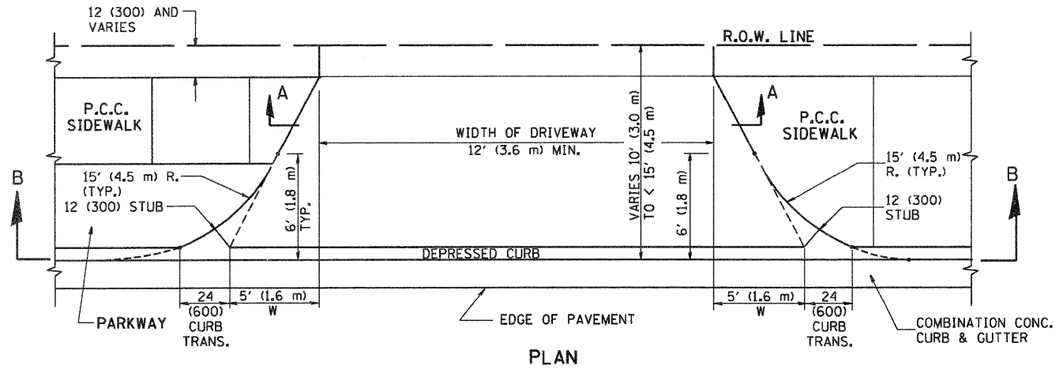
FILE NAME = c:\projects\diststd22x34\bd01.dgn	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01
		DRAWN -	REVISED - P. LaFLUER 04-15-03
	PLOT SCALE = 49.9999 ' / IN.	CHECKED -	REVISED - R. BORO 01-01-07
	PLOT DATE = 6/12/2008	DATE - 11-04-95	REVISED - R. BORO 06-11-08

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

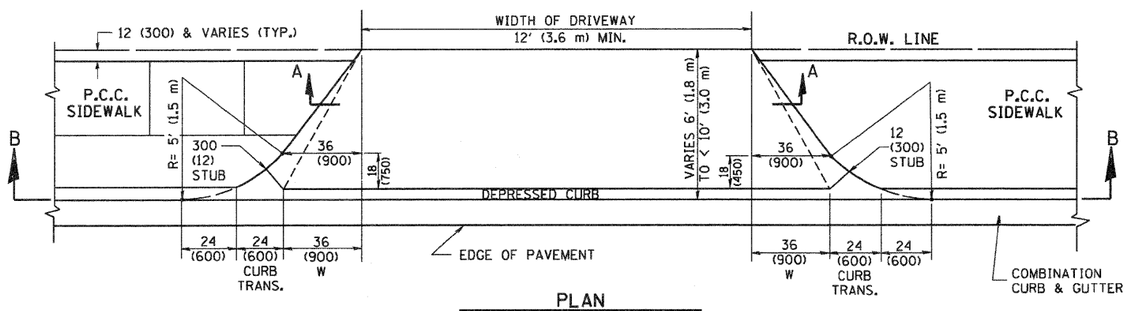
SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	32
	BD0156-07 (BD-01)	CONTRACT NO. 60H20		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



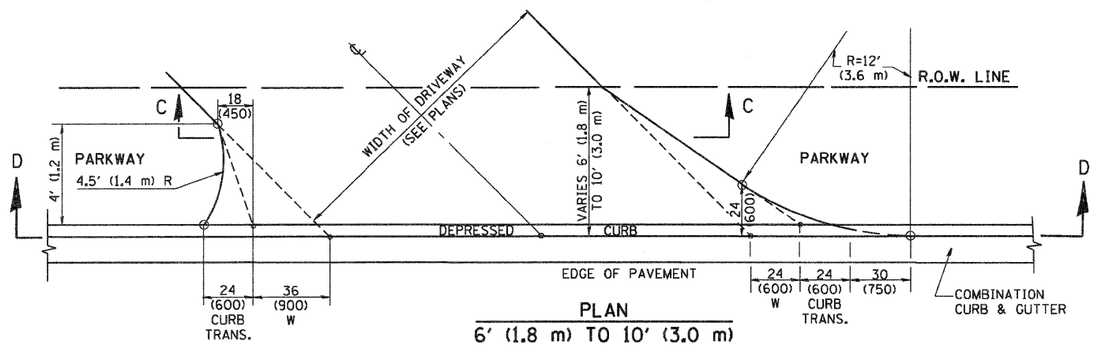
PLAN

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



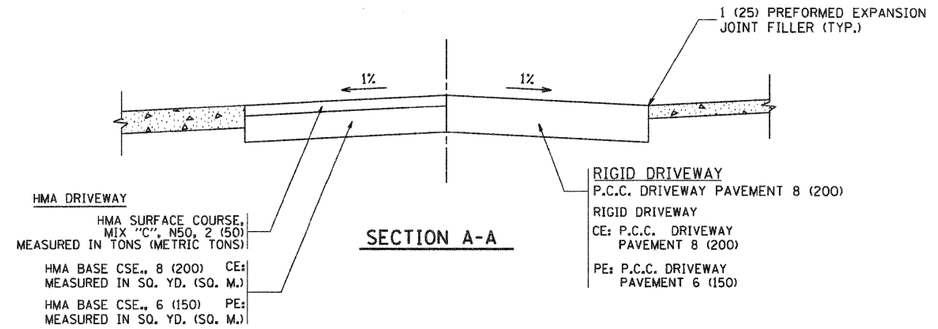
PLAN

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

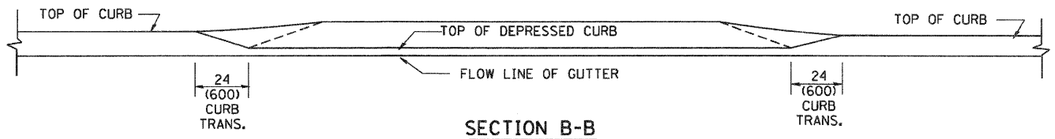


PLAN

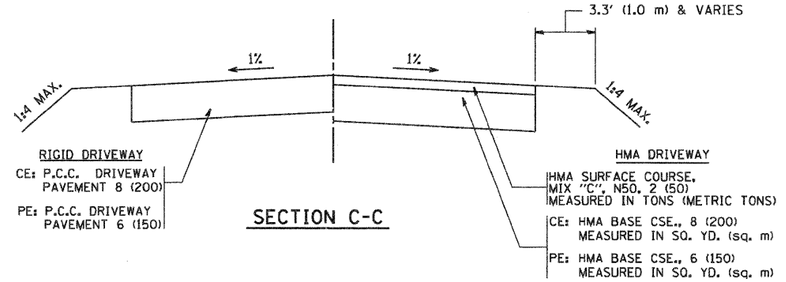
6' (1.8 m) TO 10' (3.0 m)



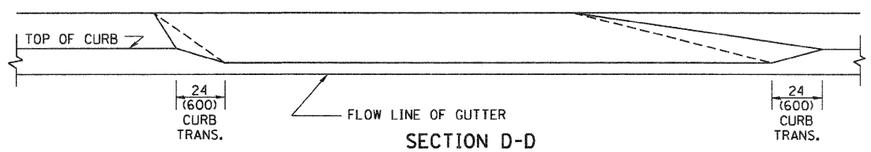
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

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

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

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

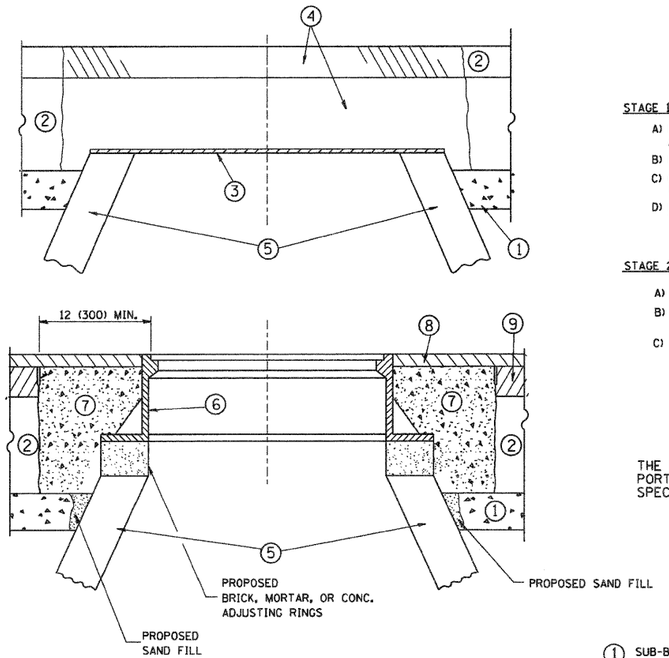
COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

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

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

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

FILE NAME = W:\diststd\22x34\bd02.dgn	USER NAME = gaglianobt	DESIGNED - R. SHAH	REVISED - T. HOLTZ 04-08-97	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**DRIVEWAY DETAILS**	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - M. GOMEZ 04-06-01		**DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)**	343	98-B	COOK	65	33
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - P. LaFLEUR 04-15-03				BD400-02 (BD-02)	CONTRACT NO. 60H20		
	PLOT DATE = 1/4/2008	DATE - 11-06-95	REVISED - R. BORO 01-01-07		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

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

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

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

D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1½ (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.

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

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

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

LEGEND

(1) SUB-BASE GRANULAR MATERIAL

(2) EXISTING PAVEMENT

(3) 36 (900) DIAMETER METAL PLATE

(4) PROPOSED CRUSHED STONE AND HMA SURFACE MIX

(5) EXISTING STRUCTURE

(6) FRAME AND LID (SEE NOTES)

(7) CLASS SI CONCRETE, HMA SURFACE COURSE OR HMA BINDER COURSE

(8) PROPOSED HMA SURFACE COURSE

(9) PROPOSED HMA BINDER COURSE

NOTES:

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

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

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

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

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

LOCATION OF STRUCTURES:

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

BASIS OF PAYMENT: THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "FRAMES AND LIDS TO BE ADJUSTED, SPECIAL"

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

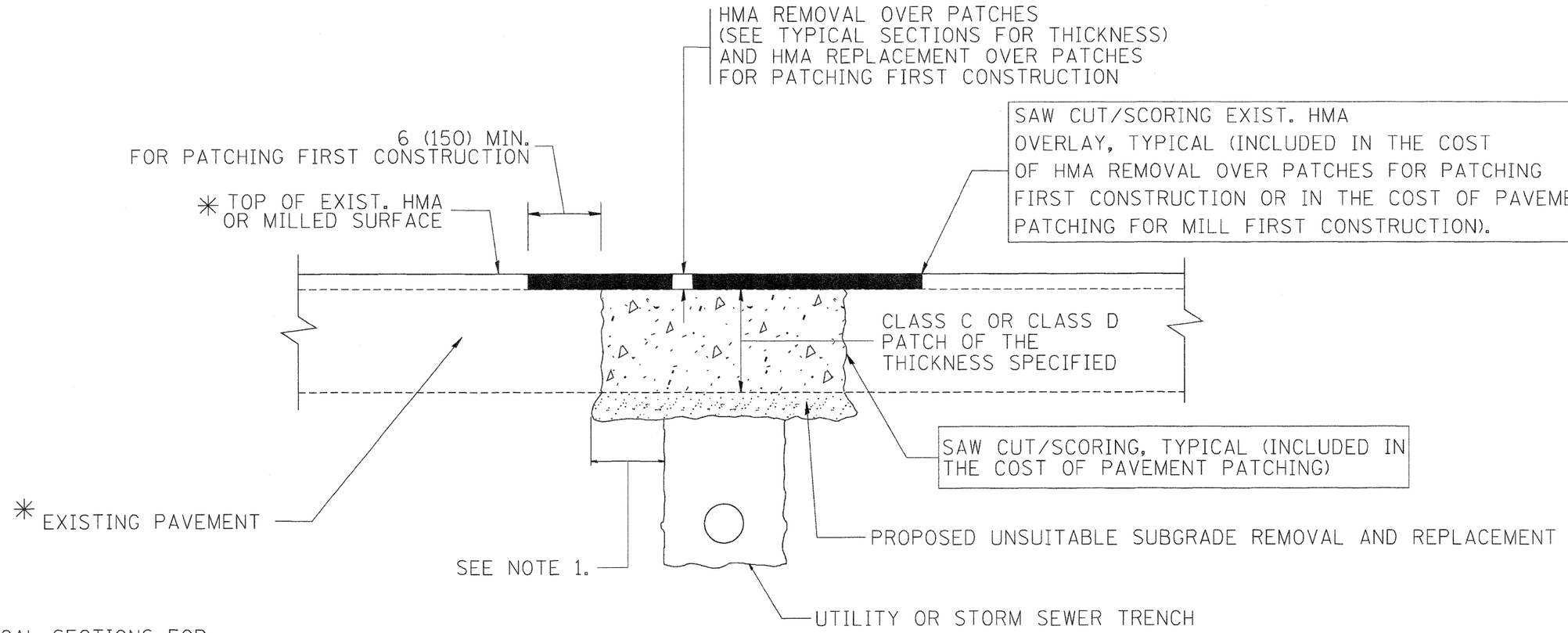
FILE NAME = W:\diststd\22x34\bd08.dgn	USER NAME = gaglianobt	DESIGNED - R. SHAH	REVISED - R. SHAH 03-10-95
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - R. WIEDEMAN 05-14-04
	PLOT DATE = 1/4/2008	DATE - 10-25-94	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	34
	BD600-03 (BD-8)	CONTRACT NO. 60H20		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

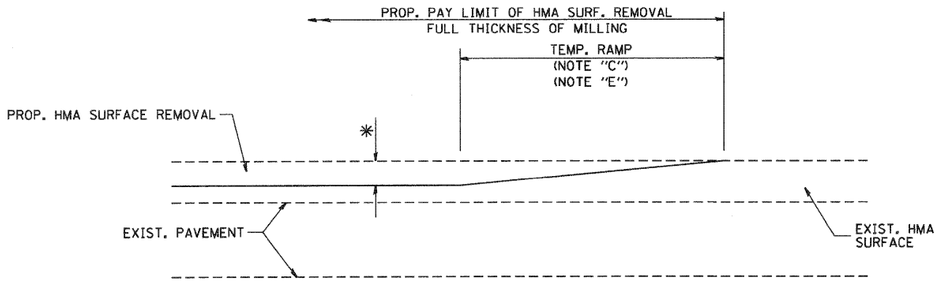
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST $4\frac{1}{2}$ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

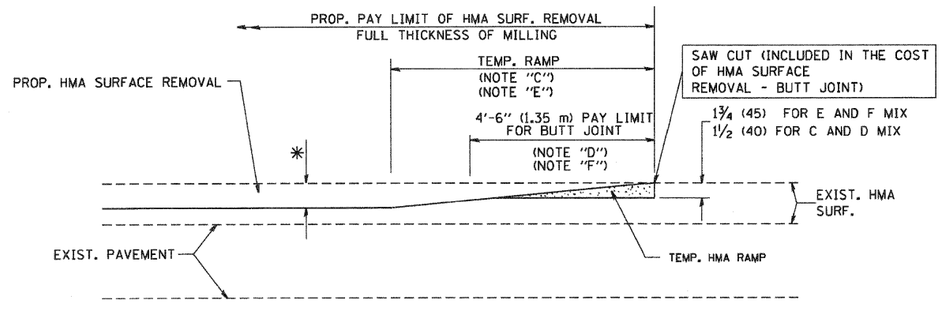
FILE NAME = c:\projects\diststd22x34\bd22.dgn	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. BORO 01-01-07			343	98-B	COOK	65	35
	PLOT SCALE = 50.000 '/ IN.	CHECKED -	REVISED - R. BORO 09-04-07				BD400-04 (BD-22)	CONTRACT NO. 60H20		
	PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISED - K. ENG 10-27-08		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

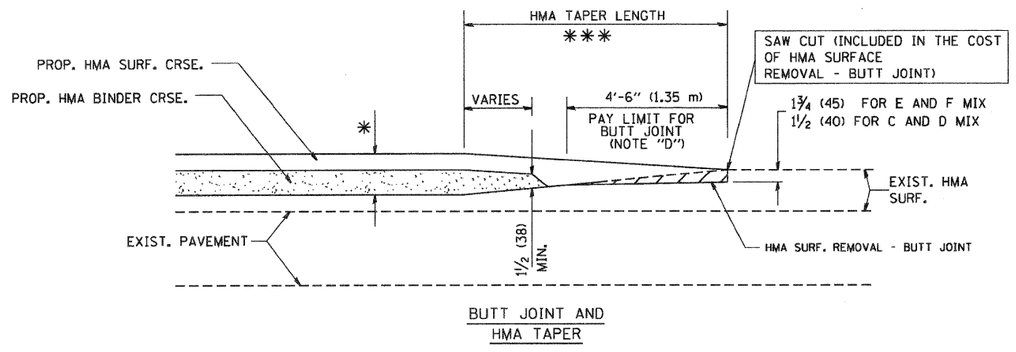


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

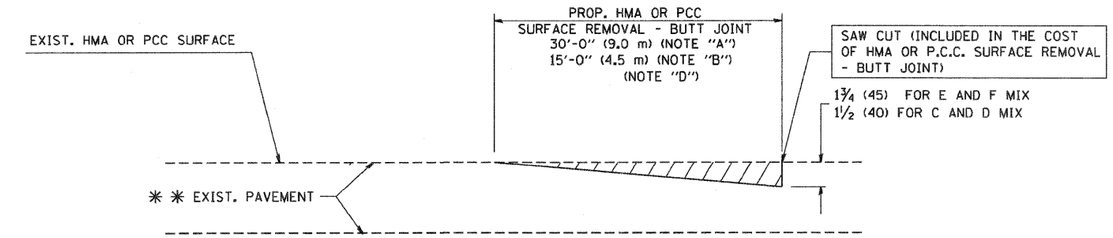
OPTION 2

TYPICAL TEMPORARY RAMP

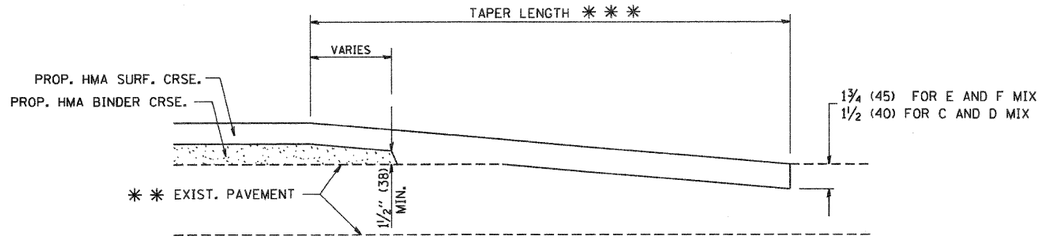


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.

B: MINOR SIDE ROADS.

C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.

D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.

E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.

F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT

G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".

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

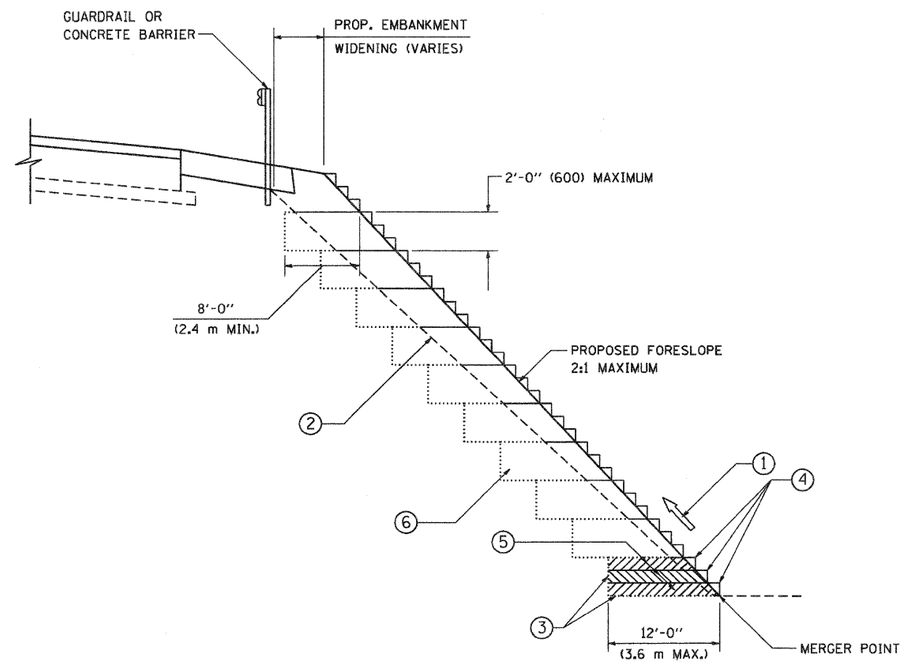
FILE NAME = W:\diststd\22x34\bd32.dgn	USER NAME = gaglianobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	36
	BD400-05 BD32	CONTRACT NO. 60H20		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



TYPICAL BENCHING DETAIL FOR EMBANKMENT

NOTES:

1. CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
2. EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
3. BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
4. TRIM TO FINAL SLOPE.
5. EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
6. EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
7. SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

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

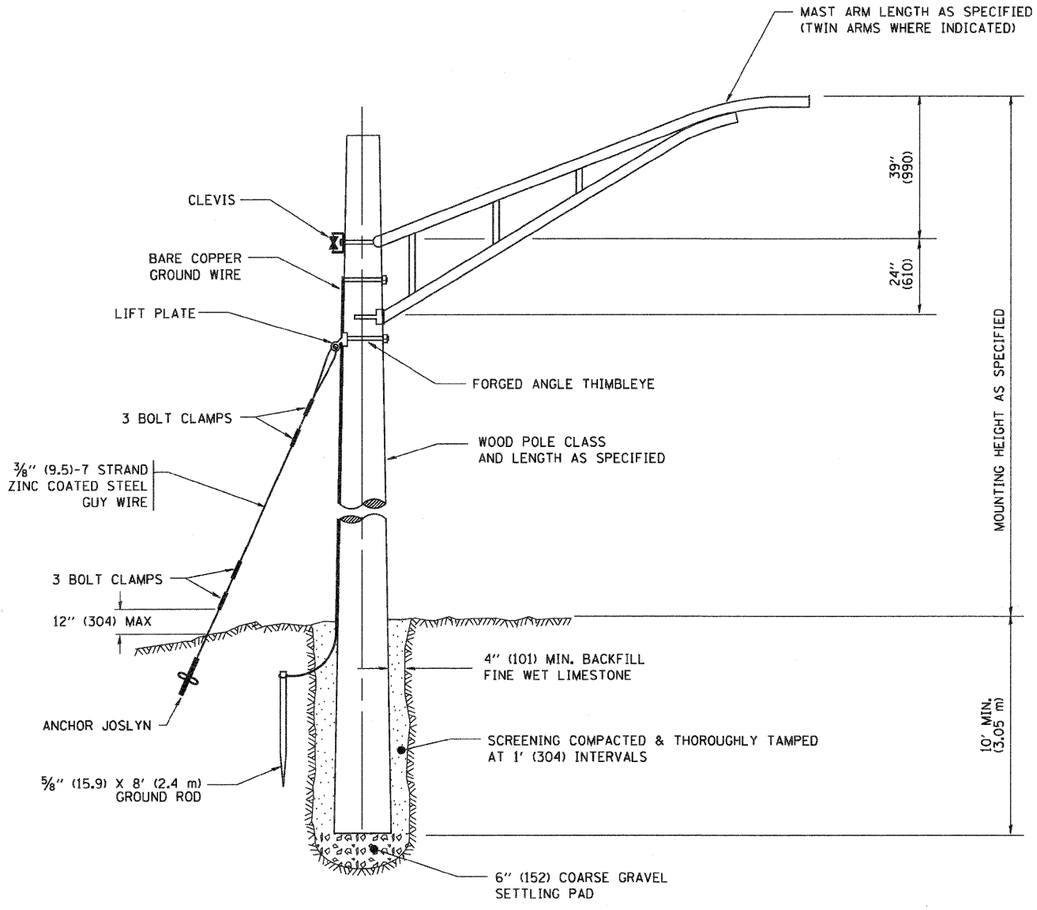
FILE NAME = W:\diststd\22x34\bd51.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED -
		DRAWN - CADD	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - S.E.B.	REVISED -
	PLOT DATE = 1/4/2008	DATE - 06-16-04	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

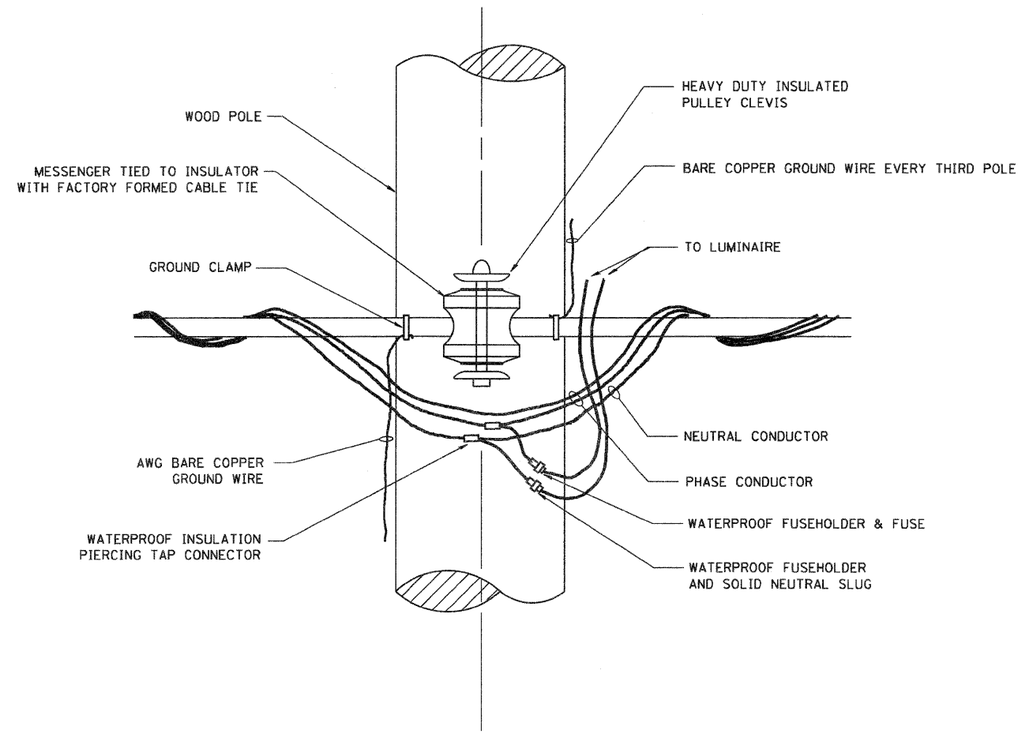
BENCHING DETAIL
FOR EMBANKMENT WIDENING

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	37
	BD-51	CONTRACT NO. 60H20		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



TEMPORARY LIGHT POLE DETAIL

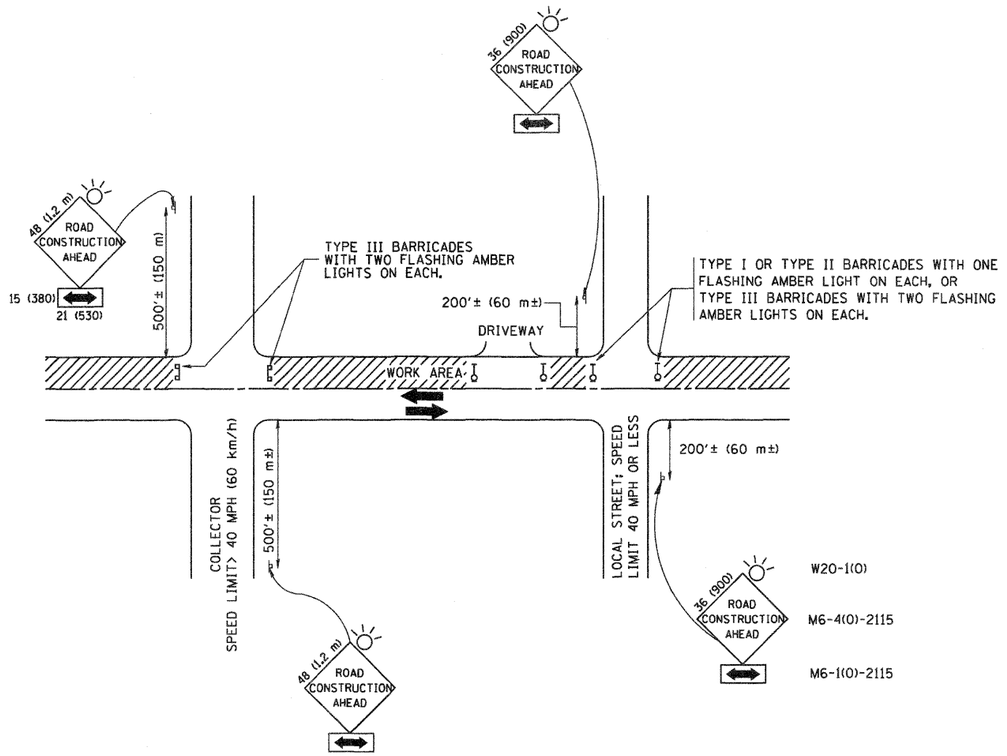


TEMPORARY LIGHT POLE ATTACHMENT DETAIL

NOTES:

1. ALL DIMENSIONS IN INCHES (MILLIMETERS) UNLESS OTHERWISE INDICATED

FILE NAME = W:\diststd\22x34\be800.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED - 08-08-03	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY LIGHT POLE DETAILS	F.A. RTE. 343	SECTION 98-B	COUNTY COOK	TOTAL SHEETS 65	SHEET NO. 38
		DRAWN -	REVISED -				BE-800		CONTRACT NO. 60H20	
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED -		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		
	PLOT DATE = 1/4/2008	DATE -	REVISED -							



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

NOTES:

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

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

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

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

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

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

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

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

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

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

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

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

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

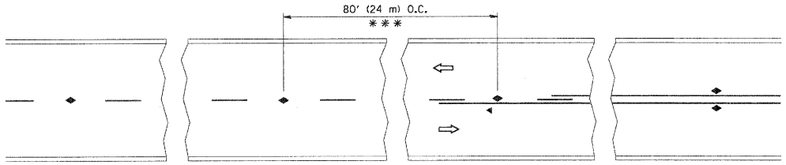
FILE NAME = W:\diststd\22x34\tc10.dgn	USER NAME = gaglianobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED -T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

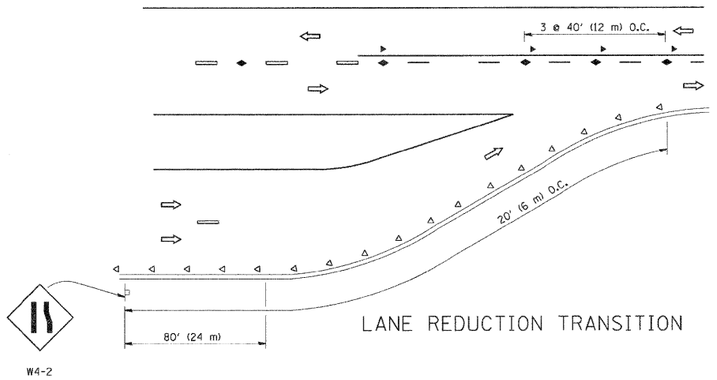
SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	39
	TC-10	CONTRACT NO. 60H20		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

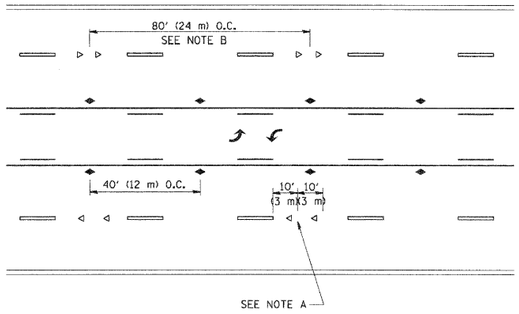


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

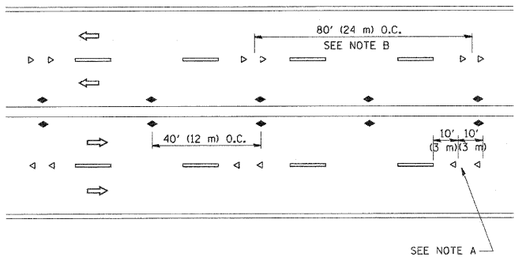
TWO-LANE/TWO-WAY



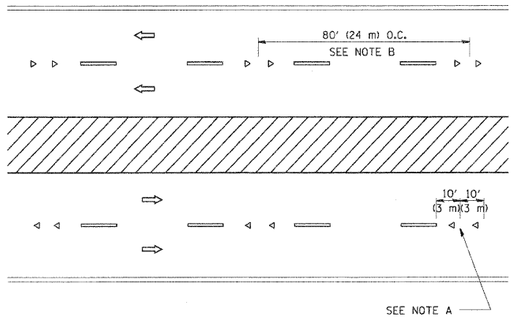
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

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

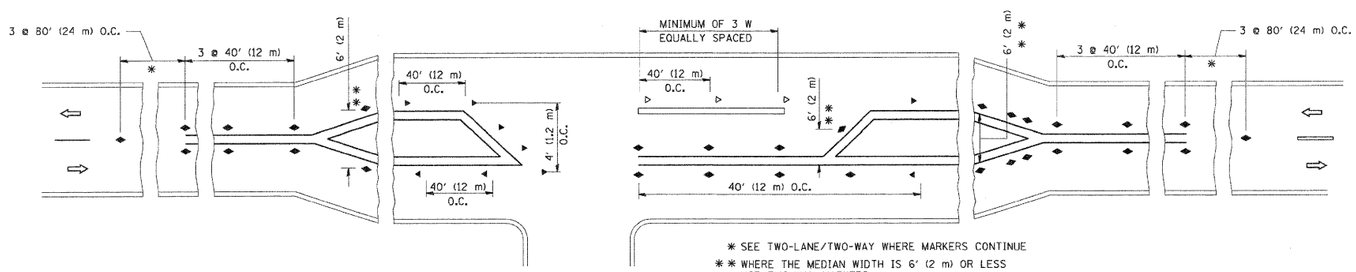
LANE MARKER NOTES

A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

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

DESIGN NOTES

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



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

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

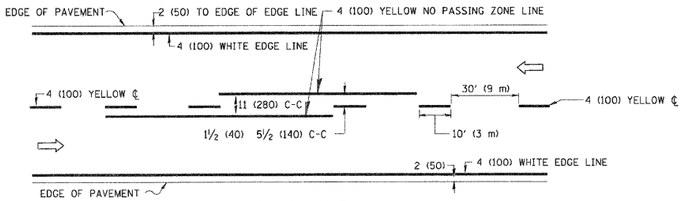
LEFT TURN

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

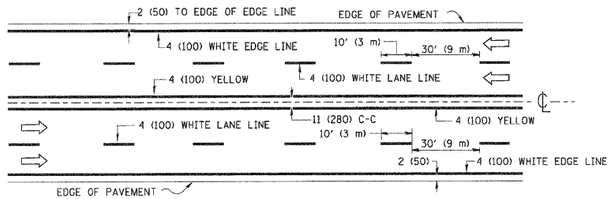
FILE NAME = c:\pw_work\pwidot\drivakosgn\d0108315\tc11.dgn	USER NAME = drivakosgn	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
	PLOT SCALE = 50.000 ' / IN.	DRAWN -	REVISED - T. RAMMACHER 03-12-99		
	PLOT DATE = 9/9/2009	CHECKED -	REVISED - T. RAMMACHER 01-06-00		
		DATE -	REVISED - C. JUCIUS 09-09-09		

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

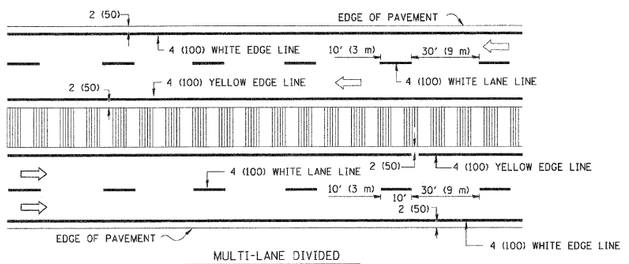
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	40
	TC-11	CONTRACT NO. 60H20		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



2-LANE ROADWAY



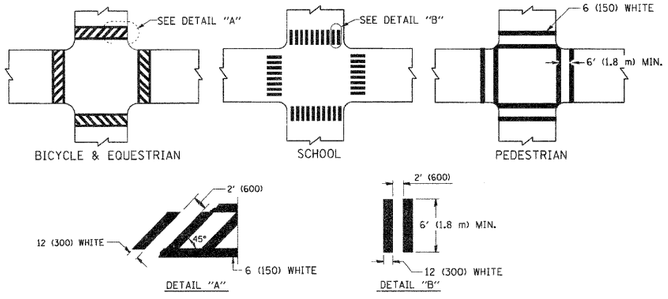
MULTI-LANE UNDIVIDED



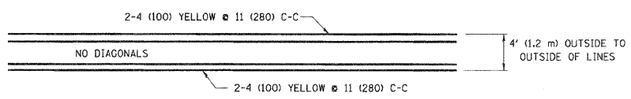
MULTI-LANE DIVIDED
WITH MOUNTABLE MEDIAN

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

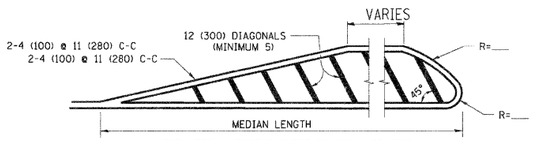
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING



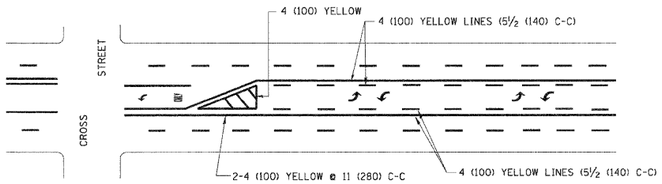
4' (1.2 m) WIDE MEDIANS ONLY



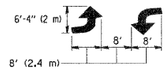
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

MEDIANS OVER 4' (1.2 m) WIDE

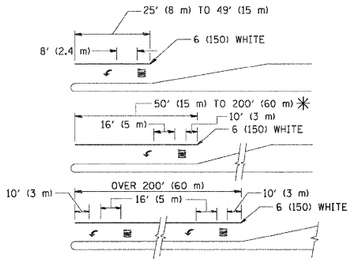


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

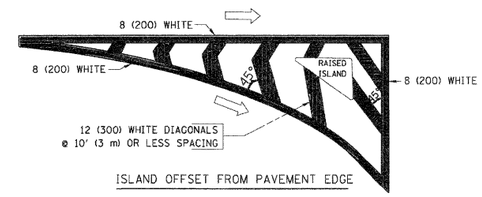


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15.6 SQ. FT. (1.5 m^2) ONLY AREA = 20.8 SQ. FT. (1.9 m^2)

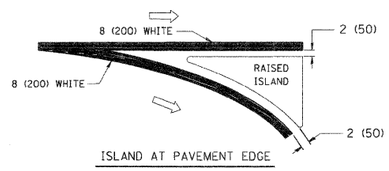
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

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

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

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

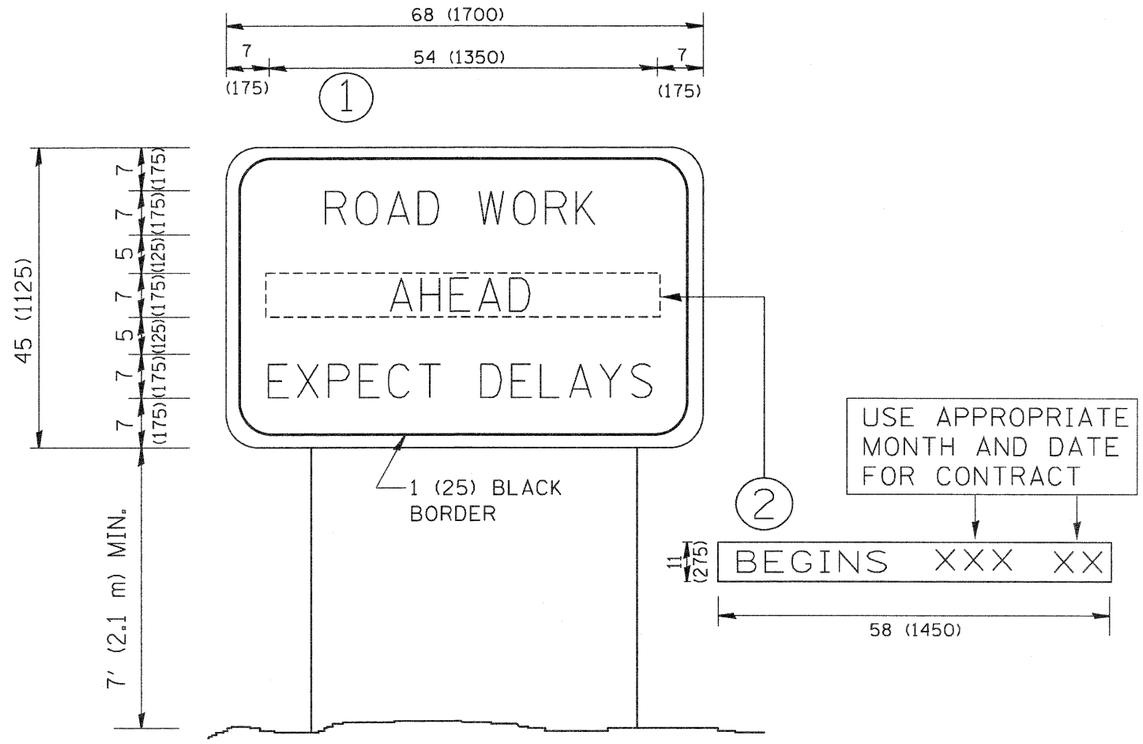
FILE NAME = c:\pw_work\pwidot\drivakosgn\d0108315\tc13.dgn	USER NAME = drivakosgn	DESIGNED - EVERS	REVISED -T. RAMMACHER 10-27-94
		DRAWN -	REVISED -C. JUCIUS 09-09-09
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 9/9/2009	DATE - 03-19-90	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	41
	TC-13	CONTRACT NO. 60H20		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



NOTES:

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

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

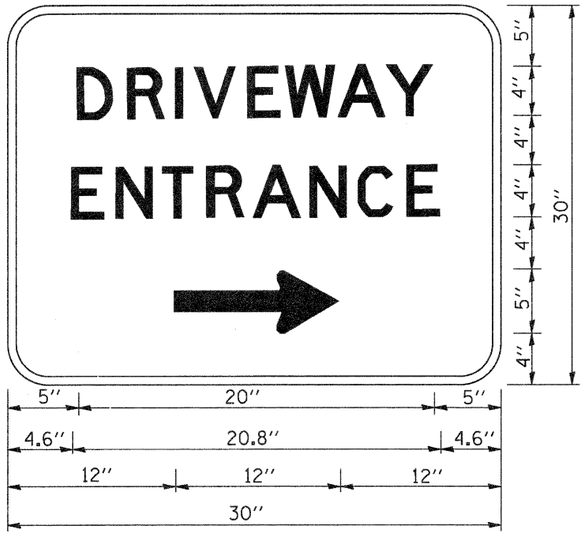
FILE NAME = W:\diststd\22x34\tc22.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED - R. MIRS 09-15-97
		DRAWN -	REVISED - R. MIRS 12-11-97
	PLOT SCALE = 50.000 '/ IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD INFORMATION SIGN

SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	42
	TC-22	CONTRACT NO. 60H20		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



3.0'' RADIUS, 0.5'' BORDER, WHITE ON GREEN; REFLECTORIZED
''DRIVEWAY'' D; ''ENTRANCE'' D; STANDARD ARROW CUSTOM 12.0'' x 5.0''

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM ''TEMPORARY INFORMATION SIGNING''.

FILE NAME = W:\diststd\22x34\tc26.dgn	USER NAME = gaglionobt	DESIGNED -	REVISED - C. JUCIUS 02-15-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY ENTRANCE SIGNING	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			343	98-B	COOK	65	43
	PLOT SCALE = 50.000 '/ IN.	CHECKED -	REVISED -				TC-26	CONTRACT NO. 60H20		
	PLOT DATE = 1/4/2008	DATE -	REVISED -		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

LOOP DETECTOR NOTES

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

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

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

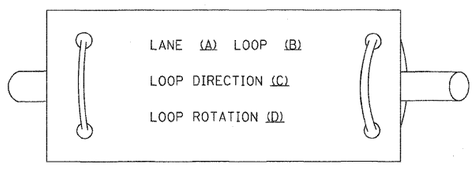
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

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

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

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

LOOP LEAD-IN CABLE TAG

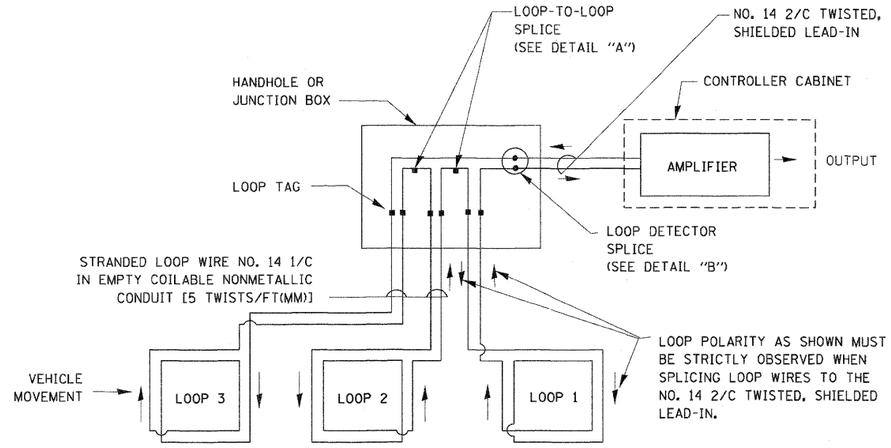


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

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

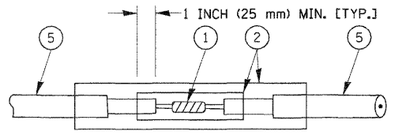
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

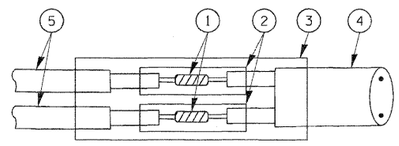


DETECTOR LOOP WIRING SCHEMATIC

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

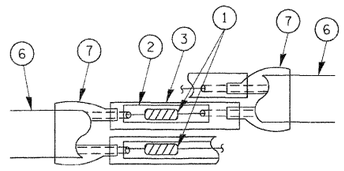


DETAIL "A"
LOOP-TO-LOOP SPLICE

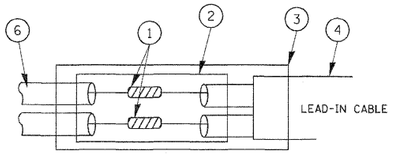


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PRE-FORMED LOOP

LOOP DETECTOR SPLICE

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

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

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

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

(5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.

(6) PRE-FORMED LOOP

(7) XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

FILE NAME = c:\pw_work\PWIDOT\KANTHAPHIXAYBC\d0112614\traffic_legend_v7.dgn	USER NAME = kanthaphixaybc	DESIGNED - DAD	REVISED -
		DRAWN - BCK	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DAD	REVISED -
	PLOT DATE = 12/6/2009	DATE - 10/28/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

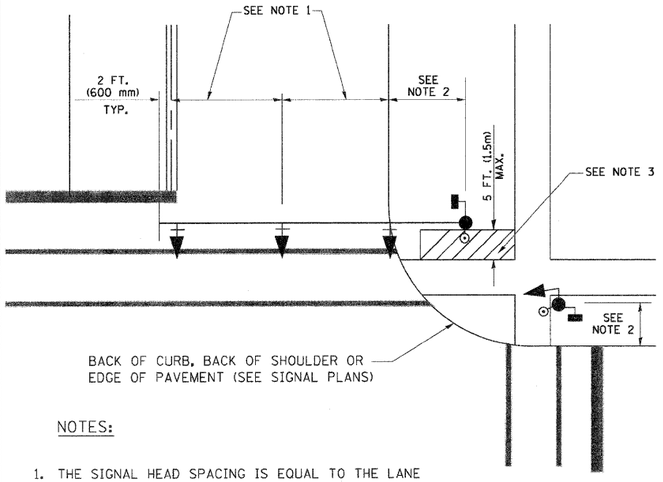
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: | SHEET NO. 1 OF 6 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	44
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

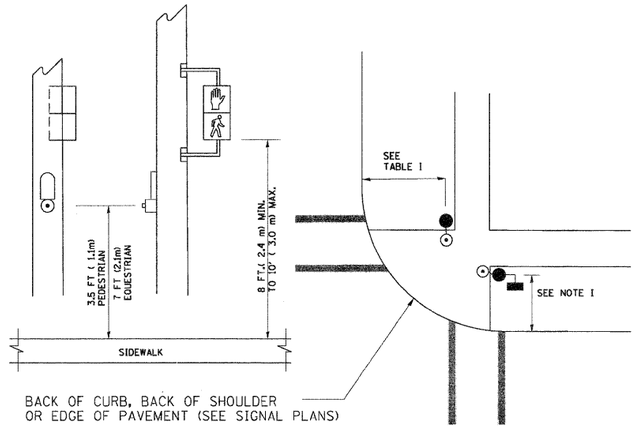
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

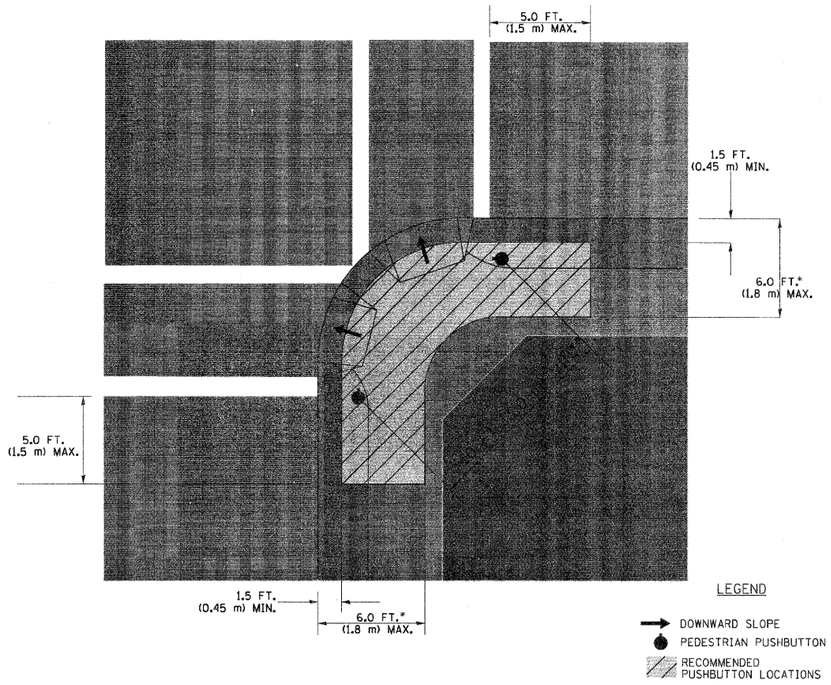
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- •• WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD EFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

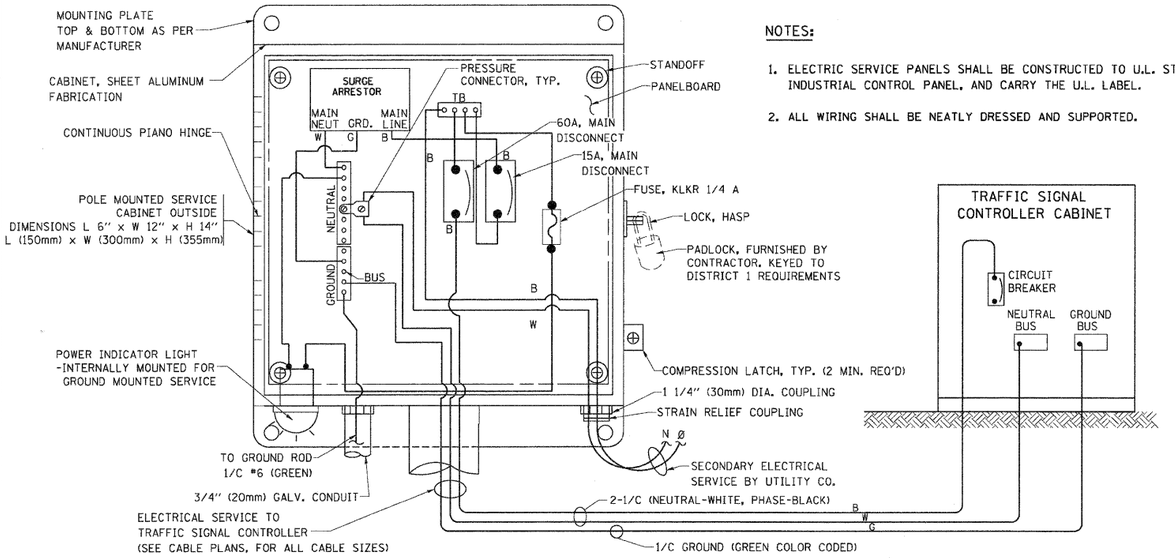
FILE NAME = c:\pw_work\PWIDOT\KANTHAPHIXAYBC\d0112644\traffic_legend_v7.dgn	USER NAME = kanthaphixaybc	DESIGNED - DAG	REVISED -
		DRAWN - BCK	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DAD	REVISED -
	PLOT DATE = 12/6/2009	DATE - 10/28/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: | SHEET NO. 2 OF 6 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	45
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



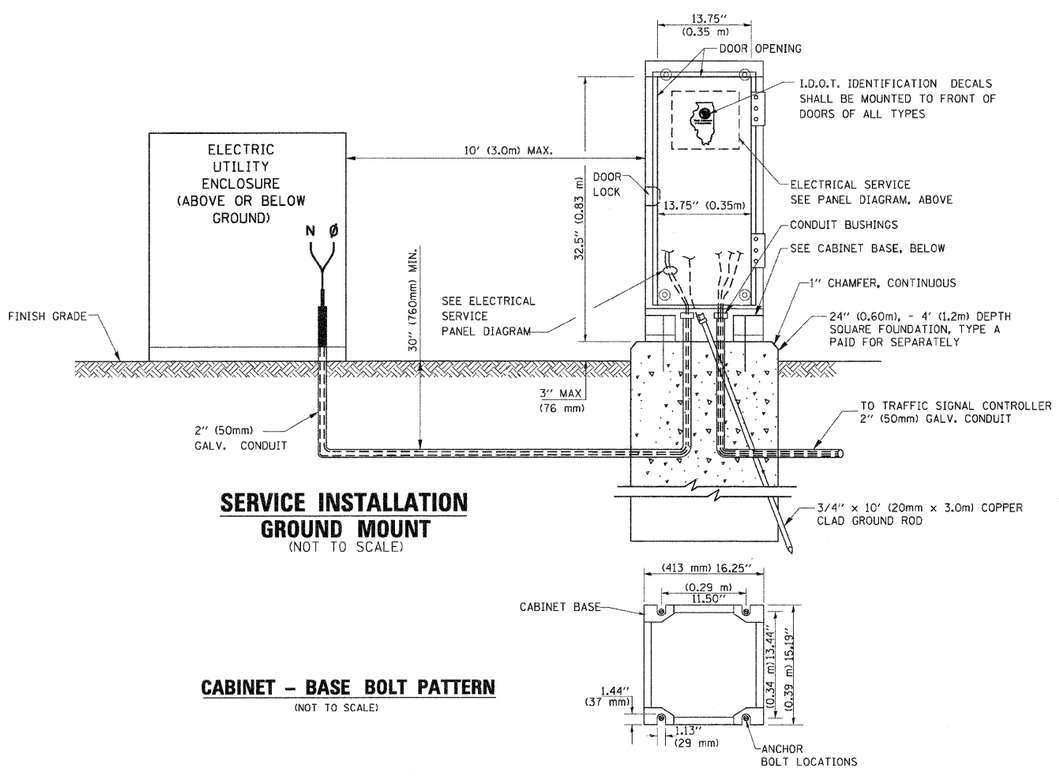
ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

SERVICE INSTALLATION POLE MOUNT (SHOWN)

(NOT TO SCALE)

NOTES:

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

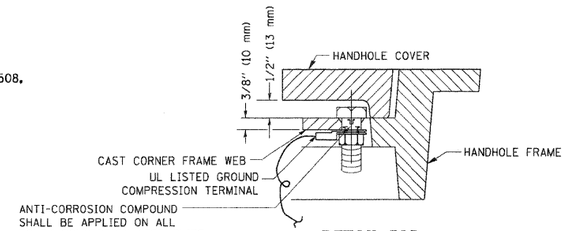


SERVICE INSTALLATION GROUND MOUNT

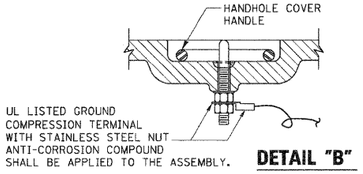
(NOT TO SCALE)

CABINET – BASE BOLT PATTERN

(NOT TO SCALE)



DETAIL "A"

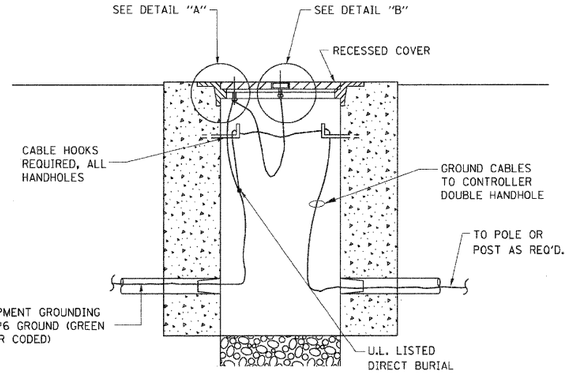


DETAIL "B"

NOTES:

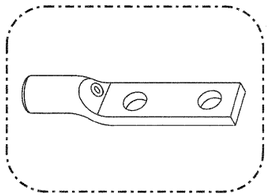
GROUNDING SYSTEM

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

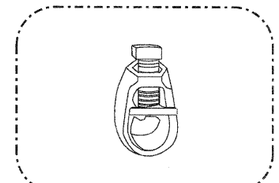


HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



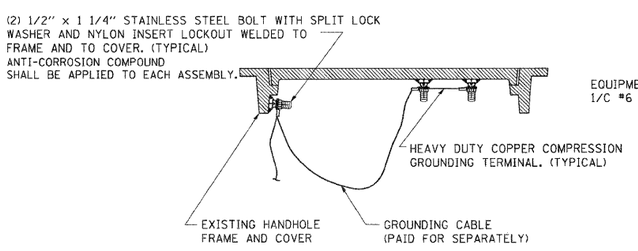
HEAVY-DUTY COMPRESSION TERMINAL (BURNDY TYPE YGHA OR APPROVED EQUAL)



¾" (20mm) HEAVY-DUTY GROUND ROD CLAMP (BURNDY TYPE GRC OR APPROVED EQUAL)

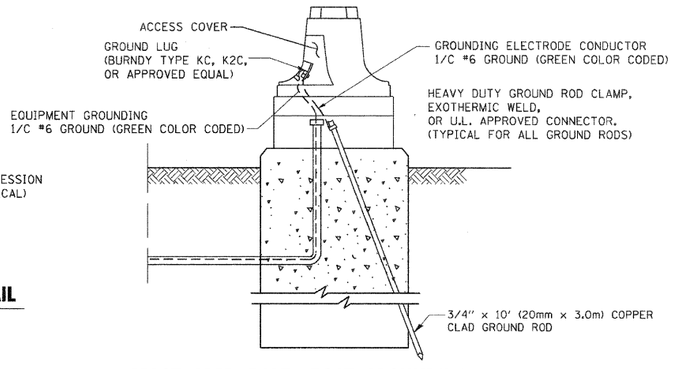
NOTES:

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



EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



MAST ARM POLE / POST–GROUNDING DETAIL

(NOT TO SCALE)

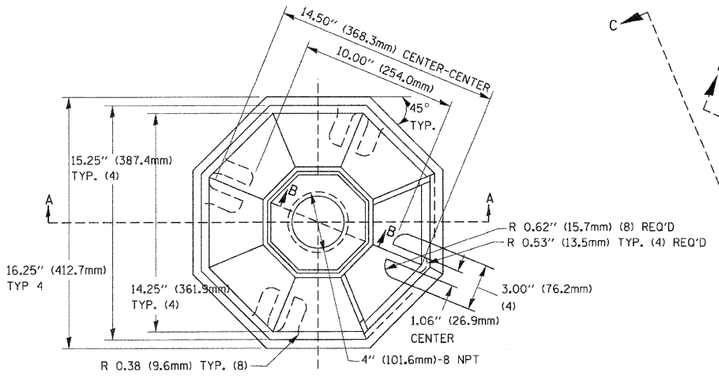
FILE NAME =	USER NAME = kanthaphixaybc	DESIGNED - DAD	REVISED -
c:\pw_work\PWIDOT\KANTHAPHIXAYBC\d0112644\traffic_legend_v7.dgn		DRAWN - BCK	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DAD	REVISED -
	PLOT DATE = 10/6/2009	DATE - 10/28/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

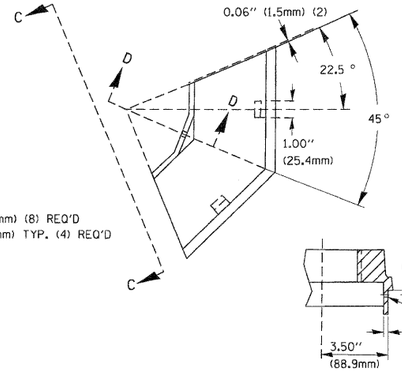
DISTRICT 1
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

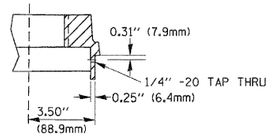
SCALE: | SHEET NO. 3 OF 6 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	46
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

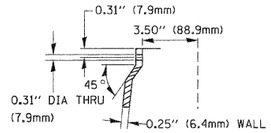


TOP VIEW

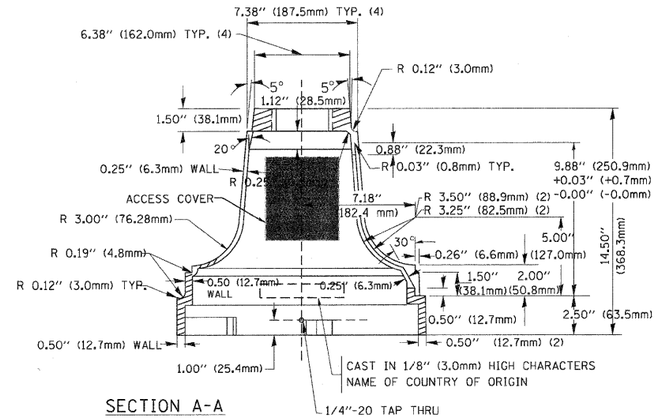




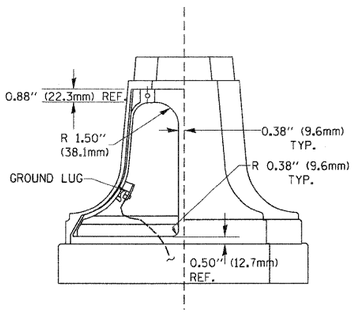
SECTION B-B



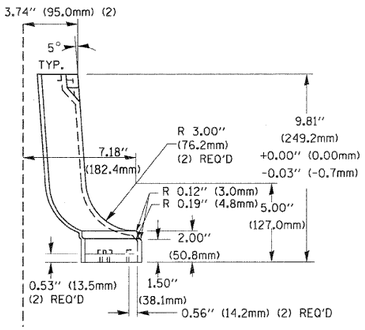
SECTION D-D



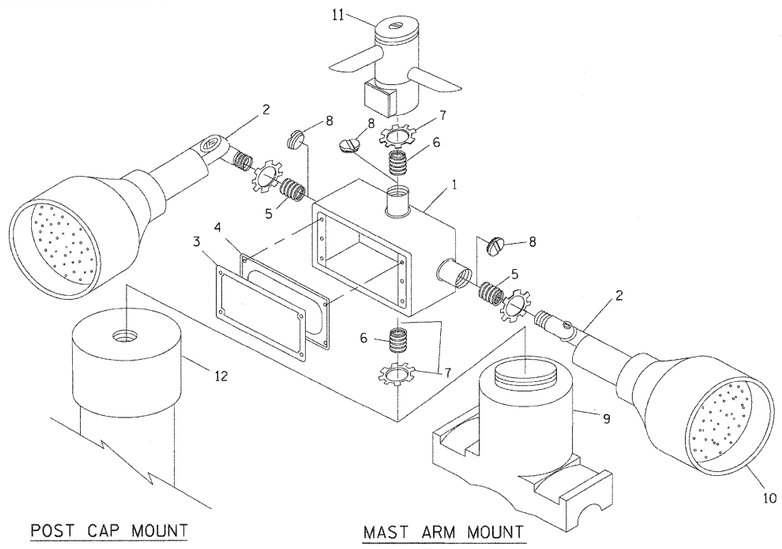
SECTION A-A



VIEW C-C



TRAFFIC SIGNAL POST - MOUNTING BASE - TYPE A



POST CAP MOUNT

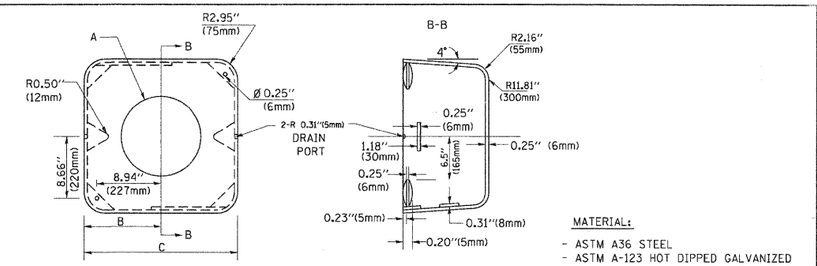
MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

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

NOTES:

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



MATERIAL:
- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

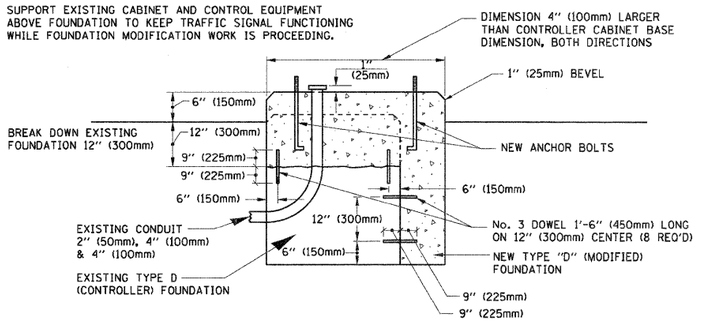
A	B	C	HEIGHT	WEIGHT
VARIES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

SHROUD

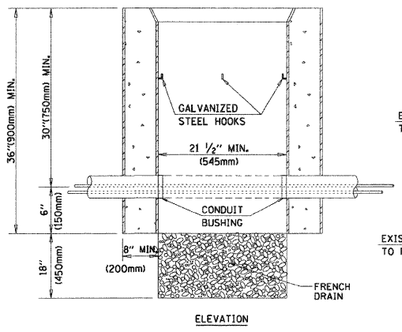
NOTES:

1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

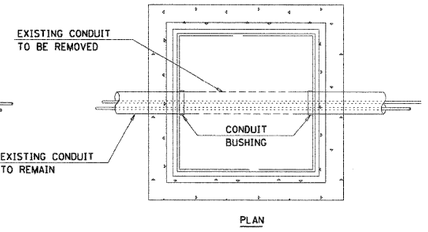
NOTE:
SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION



ELEVATION



PLAN

NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCIDENTAL TO THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

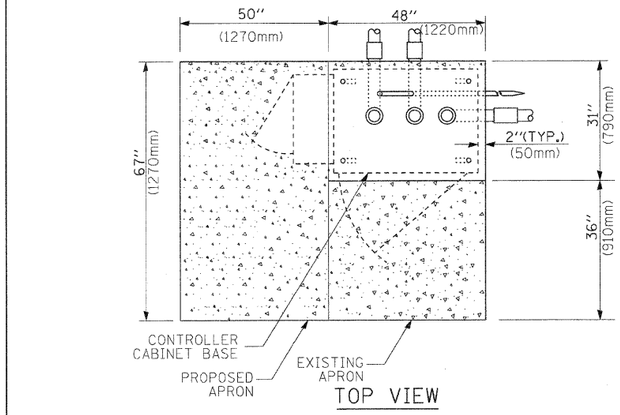
FILE NAME = c:\pw_work\PWIDOT\KANTHAPH\XAYBC\d0112644\traffic_legend_v7.dgn	USER NAME = kanthaphixaybc	DESIGNED - DAG	REVISED -
		DRAWN - BCK	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DAD	REVISED -
	PLOT DATE = 10/6/2009	DATE - 10/28/09	REVISED -

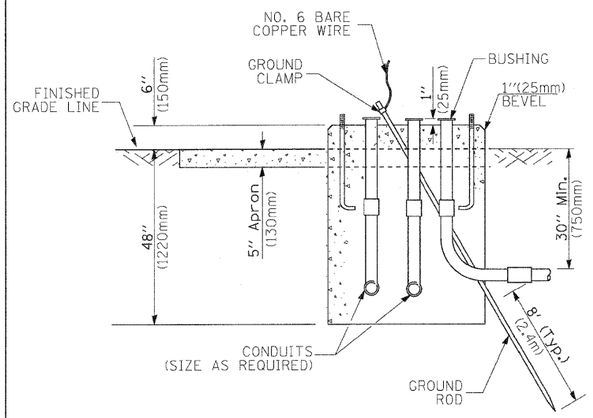
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

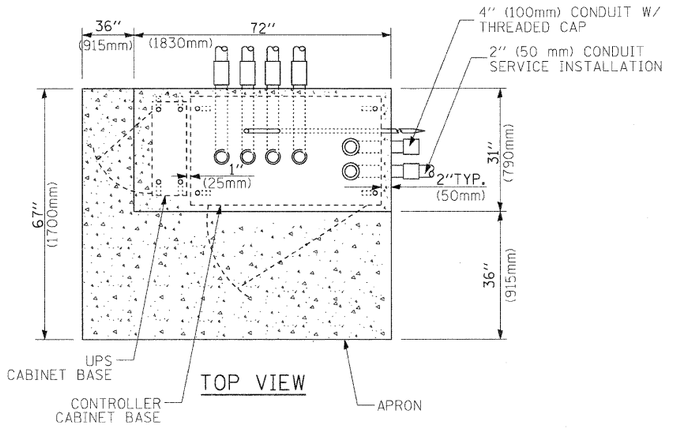
SCALE: | SHEET NO. 4 OF 6 SHEETS | STA. | TO STA.

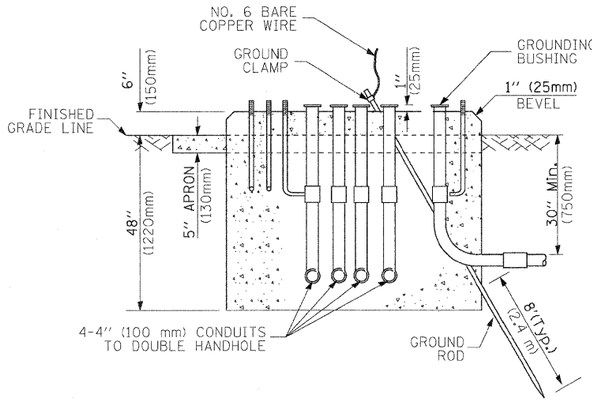
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	47
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



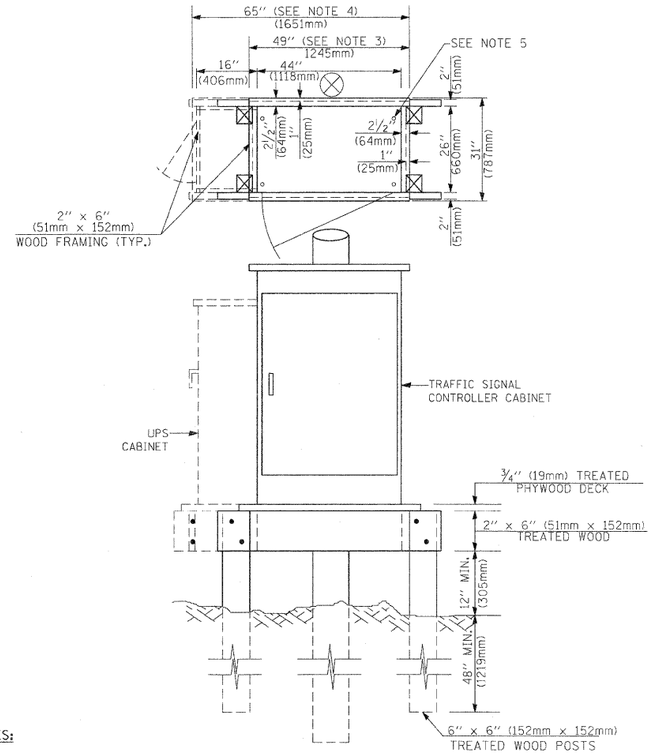


TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET





TYPE C
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET



NOTES:

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
4. For mast arm assemblies with dual arms refer to state standard 878001.

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

FILE NAME = c:\pw_work\PWIDOT\KANTHAPHIXAYBC\d0112614\traffic_legend_v7.dgn	USER NAME = kanthaphixaybc	DESIGNED - DAG	REVISED -
		DRAWN - BCK	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DAD	REVISED -
	PLOT DATE = 10/6/2009	DATE - 10/28/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: | SHEET NO. 5 OF 6 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	48
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL LEGEND

ITEM	REMOVAL	EXISTING	PROPOSED
CONTROLLER CABINET	R		
RAILROAD CONTROL CABINET		R R	R R
COMMUNICATIONS CABINET	R C C	E C C	C C
MASTER CONTROLLER		EMC	MC
MASTER MASTER CONTROLLER		EMMC	MMC
UNINTERRUPTIBLE POWER SUPPLY	R UPS	EUPS	UPS
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT	R	P	P
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT	R T	P T	P T
STEEL MAST ARM ASSEMBLY AND POLE	R		
ALUMINUM MAST ARM ASSEMBLY AND POLE	R		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE	R		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA	R PTZ	PTZ	PTZ
SIGNAL POST	R		
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM	R		
GUY WIRE	R		
SIGNAL HEAD	R		
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)			2
SIGNAL HEAD WITH BACKPLATE	R		
SIGNAL HEAD OPTICALLY PROGRAMMED	R "P"	"P"	"P"
FLASHER INSTALLATION (S DENOTES SOLAR POWER)	R "F"	"F"	"F"
PEDESTRIAN SIGNAL HEAD	R		
PEDESTRIAN PUSHBUTTON DETECTOR	R		
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR	R APS	APS	APS
ILLUMINATED SIGN "NO LEFT TURN"	R		
ILLUMINATED SIGN "NO RIGHT TURN"	R		
DETECTOR LOOP, TYPE I			
PREFORMED DETECTOR LOOP		P	P
MICROWAVE VEHICLE SENSOR	R M	M	M
VIDEO DETECTION CAMERA	R V	V	V
VIDEO DETECTION ZONE			
PAN, TILT, ZOOM CAMERA	R PTZ	PTZ	PTZ
WIRELESS DETECTOR SENSOR	R W	W	W
WIRELESS ACCESS POINT	R		

ITEM	REMOVAL	EXISTING	PROPOSED
EMERGENCY VEHICLE LIGHT DETECTOR	R		
CONFIRMATION BEACON	R		
HANDHOLE	R		
HEAVY DUTY HANDHOLE	R H	H	H
DOUBLE HANDHOLE	R		
JUNCTION BOX	R		
GALVANIZED STEEL CONDUIT IN TRENCH (T) OR PUSHED (P)			
TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE	R		
COMMON TRENCH			CT
COILABLE NONMETALLIC CONDUIT (EMPTY)			CNC
SYSTEM ITEM		S	S
INTERSECTION ITEM		I	IP
REMOVE ITEM	R		
RELOCATE ITEM	RL		
ABANDON ITEM	A		
12" (300mm) TRAFFIC SIGNAL SECTION		R	R
12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE		R Y G	
SIGNAL FACE		R Y G ◄Y ◄G	R Y G ◄Y ◄G
SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD		R Y G ◄Y ◄G "P"	R Y G ◄Y ◄G "P"
12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL		DW W	
12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED			
12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID			
PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER		C D	C D
RADIO INTERCONNECT	R		
RADIO REPEATER	R ERR	ERR	RR
DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED		5	5
GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)		1	1

ITEM	REMOVAL	EXISTING	PROPOSED
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE		J	J
COAXIAL CABLE		C	C
VENDOR CABLE FOR CAMERA		V	V
COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED		6	6
FIBER OPTIC CABLE NO. 62.5/125, MM12F		12F	
FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F		24F	24F
FIBER OPTIC CABLE NO. 62.5/125, (NUMBER OF FIBERS & TYPE TO BE NOTED ON PLANS)			
GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE		C	C
CONTROLLER CABINET AND FOUNDATION TO BE REMOVED	RCF		
STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED	RMF		
ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED	RMF		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED	RMF		
SIGNAL POST AND FOUNDATION TO BE REMOVED	RMF		
INTERSECTION & SAMPLING (SYSTEM) DETECTOR		IS	IS
SAMPLING (SYSTEM) DETECTOR		S	S
EXISTING INTERSECTION LOOP DETECTOR PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR		P	
EXISTING PREFORMED INTERSECTION LOOP DETECTOR PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR		PP	
PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR		PIS	PIS
PREFORMED SAMPLING (SYSTEM) DETECTOR		PS	PS

RAILROAD SYMBOLS

	EXISTING	PROPOSED
RAILROAD CONTROL CABINET	R R	R R
RAILROAD CANTILEVER MAST ARM		
FLASHING SIGNAL		
CROSSING GATE		
CROSSBUCK		

FILE NAME = c:\pw_work\PWIDOT\KANTHAPHIXAYBC\d0112614\traffic_legend_v7.dgn	USER NAME = kanthaphixaybc	DESIGNED - DAG/BCK	REVISED -
		DRAWN - BCK	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DAD	REVISED -
	PLOT DATE = 10/6/2009	DATE - 10/28/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE | SHEET NO. 6 OF 6 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	49
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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

FILE NAME = #FILE#

USER NAME = RDS

PLOT SCALE = 1"=10'

PLOT DATE = 11-12-10

DESIGNED	-	JJD
DRAWN	-	RDS
CHECKED	-	
DATE	-	11-12-10
REVISED	-	
REVISED	-	
REVISED	-	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS-SECTIONS
IL ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH

SCALE: 1"=10'H, 5'V | SHEET NO. OF SHEETS | STA. 113+00.00 TO STA. 115+66.29

F.A.P. RTE. 343 | SECTION 98-B | COUNTY COOK | TOTAL SHEETS 65 | SHEET NO. 50

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

CONTRACT NO. 60H20

90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90

650 645 640 635

IL. RTE. 68 ℄ | R.O.W. | STAGE II | STAGE I | 6" GASMAIN | COMM. CONC. ENTR. | T.E.

115 + 66.29

STAGE II
CUT = 20.77 SQ FT
FILL = 18.16 SQ FT
TOPSOIL STRIP = 16.00 SQ FT
UNSUITABLE SUBGRADE = 4.76 SQ FT

STAGE I
CUT = 23.53 SQ FT
FILL = 0 SQ FT
TOPSOIL STRIP = 0 SQ FT
UNSUITABLE SUBGRADE = 4.55 SQ FT

646.52 645.79 646.27 646.39 645.79 645.79

115 + 00.00

STAGE II
CUT = 21.42 SQ FT
FILL = 8.00 SQ FT
TOPSOIL STRIP = 16.00 SQ FT
UNSUITABLE SUBGRADE = 4.77 SQ FT

STAGE I
CUT = 18.34 SQ FT
FILL = 22.38 SQ FT
TOPSOIL STRIP = 11.65 SQ FT
UNSUITABLE SUBGRADE = 4.56 SQ FT

646.02 645.54 646.07 646.14 645.54 646.00

114 + 36.53

STAGE II
CUT = 26.74 SQ FT
FILL = 8.88 SQ FT
TOPSOIL STRIP = 16.00 SQ FT
UNSUITABLE SUBGRADE = 4.78 SQ FT

STAGE I
CUT = 27.63 SQ FT
FILL = 0 SQ FT
TOPSOIL STRIP = 0 SQ FT
UNSUITABLE SUBGRADE = 4.57 SQ FT

645.89 645.31 645.88 645.91 645.31 645.32

114 + 00.00

STAGE II
CUT = 30.20 SQ FT
FILL = 8.43 SQ FT
TOPSOIL STRIP = 16.00 SQ FT
UNSUITABLE SUBGRADE = 4.78 SQ FT

STAGE I
CUT = 20.81 SQ FT
FILL = 1.07 SQ FT
TOPSOIL STRIP = 0 SQ FT
UNSUITABLE SUBGRADE = 4.58 SQ FT

645.66 645.18 645.79 645.78 645.18 645.02

113 + 57.00
BEGIN IMPROVEMENTS

STAGE II
CUT = 26.47 SQ FT
FILL = 0 SQ FT
TOPSOIL STRIP = 0 SQ FT
UNSUITABLE SUBGRADE = 4.78 SQ FT

STAGE I
CUT = 22.79 SQ FT
FILL = 0.84 SQ FT
TOPSOIL STRIP = 0 SQ FT
UNSUITABLE SUBGRADE = 4.58 SQ FT

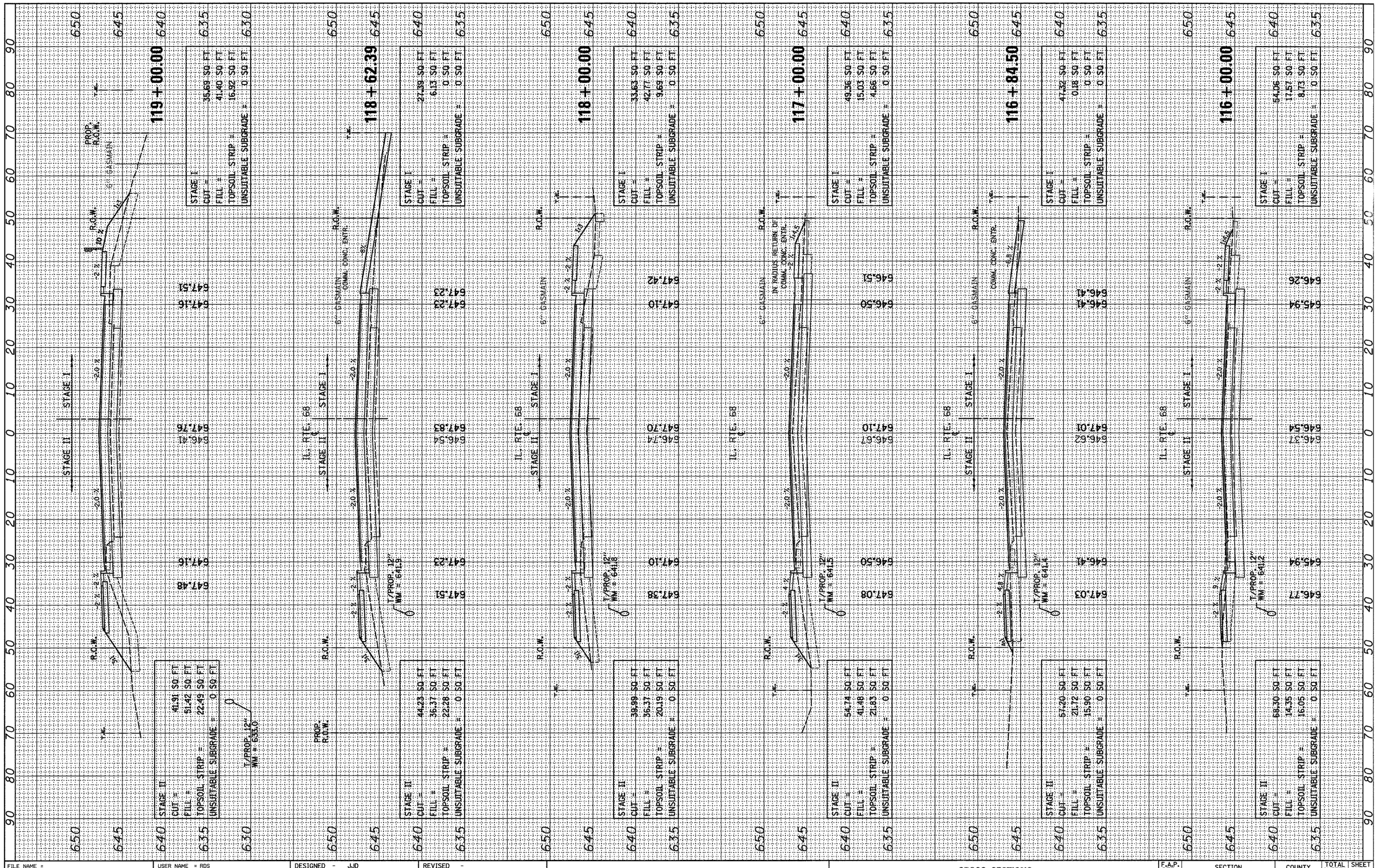
645.83 645.63 645.63 645.03

113 + 00.00

645.25 645.45 645.06

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

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



FILE NAME =	USER NAME = RDS	DESIGNED - JJD	REVISED -
@FILEL@		DRAWN - RDS	REVISED -
	PLOT SCALE = 1"=10'	CHECKED -	REVISED -
	PLOT DATE = 11-12-10	DATE - 11-12-10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

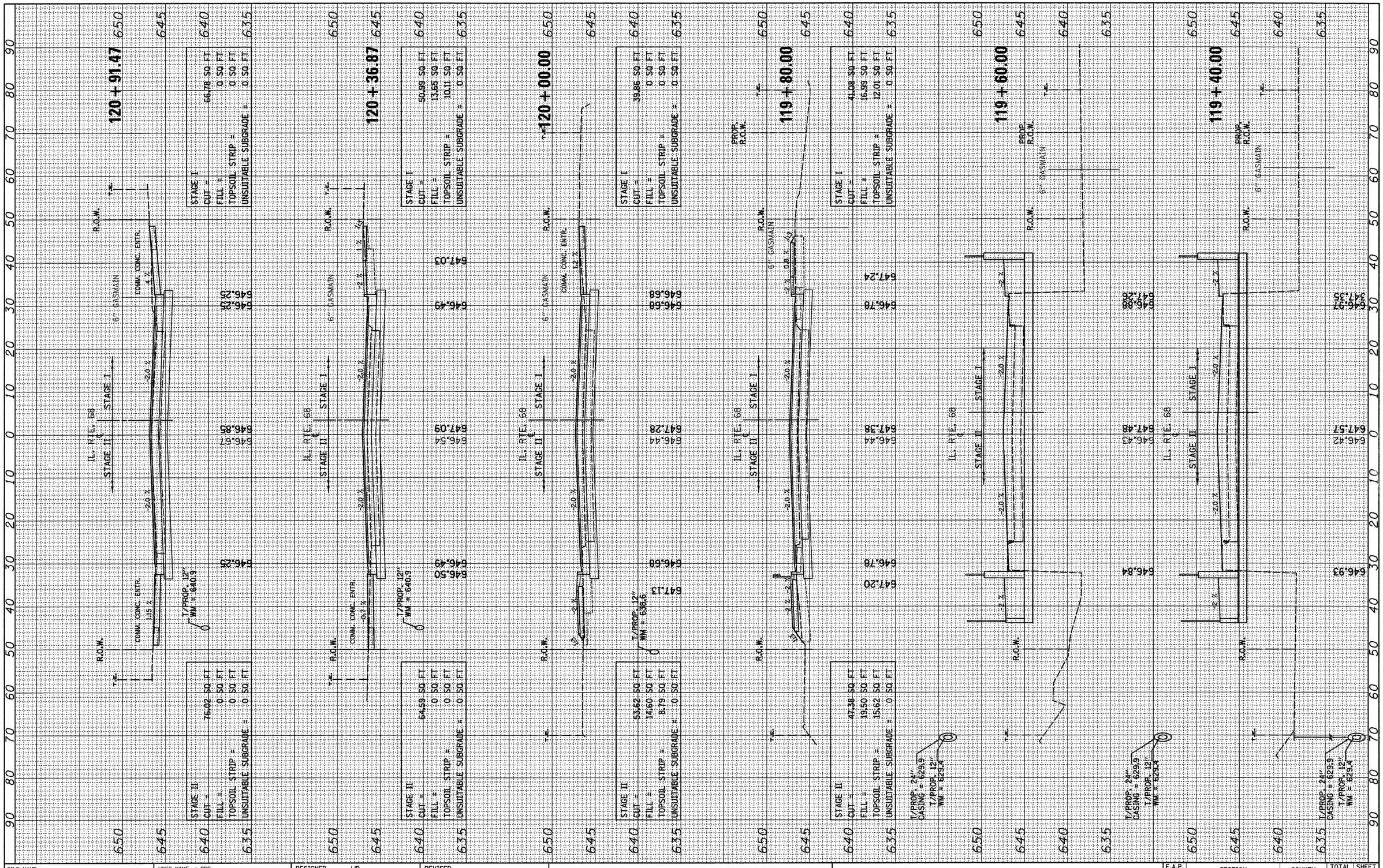
CROSS-SECTIONS
IL. ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH

SCALE: 1"=10'H, 5'V | SHEET NO. OF SHEETS | STA. 116+00.00 TO STA. 119+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	COOK	98-B	65	51
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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



FILE NAME =	USER NAME = RDS	DESIGNED - JJD	REVISED -
FILE1		DRAWN - RDS	REVISED -
	PLOT SCALE = 1'=10'	CHECKED -	REVISED -
	PLOT DATE = 11-12-10	DATE - 11-12-10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS-SECTIONS
IL. ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH

SCALE: 1"=10'H, 5'V | SHEET NO. OF SHEETS | STA. 119+40.00 TO STA. 120+91.47

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	52
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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

FILE NAME = #FILE#

USER NAME = RDS

PLOT SCALE = 1"=10'

PLOT DATE = 11-12-18

	DESIGNED	-	JJD
	DRAWN	-	RDS
	CHECKED	-	
DATE	-	11-12-18	

	REVISED	-
	REVISED	-
	REVISED	-
REVISED	-	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

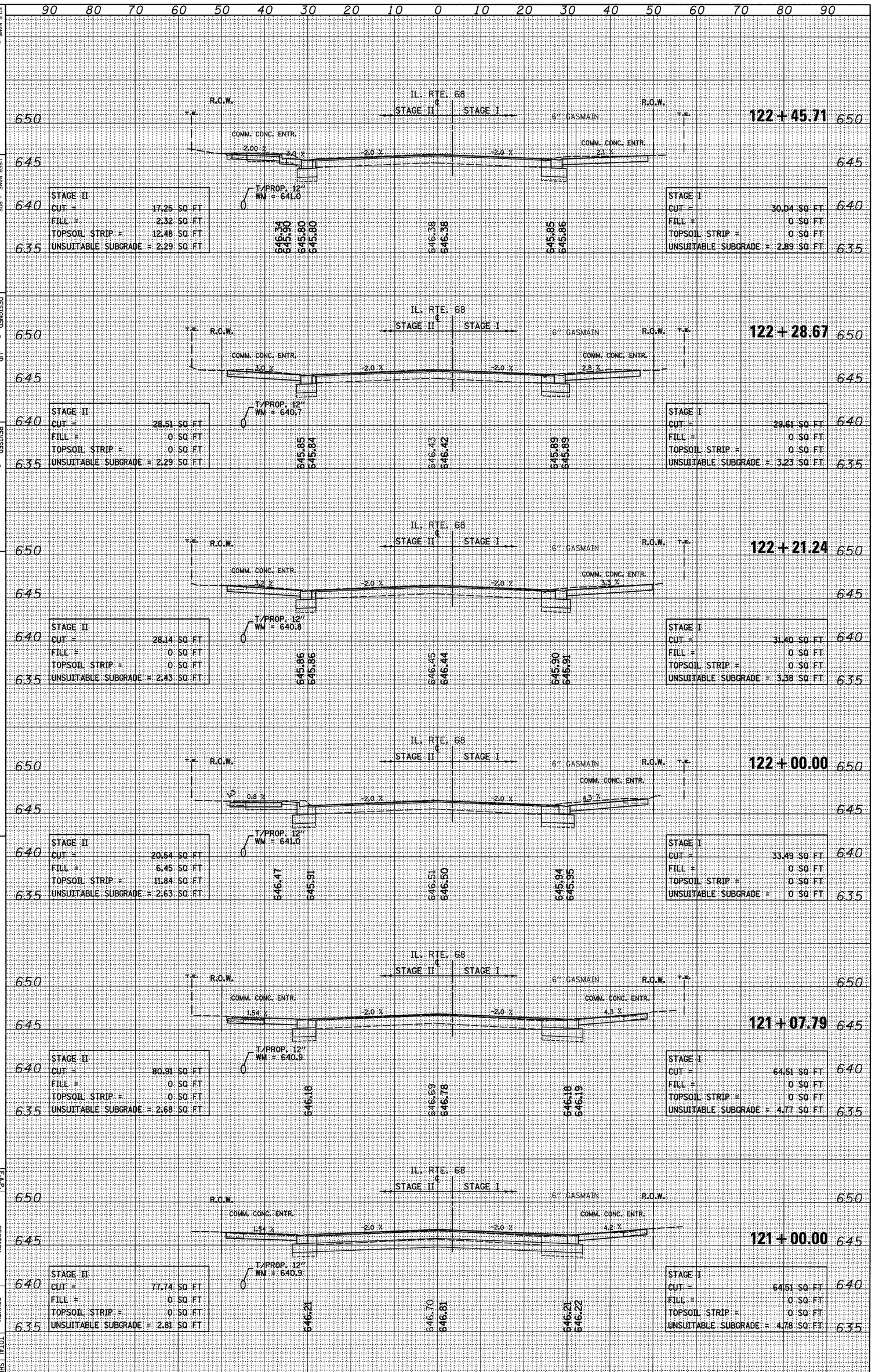
IL ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH
CROSS-SECTIONS

SCALE: 1"=10'H, 5'V | SHEET NO. | OF | SHEETS | STA. 121+00.00 | TO STA. 122+45.71

F.A.P. RTE. 343 | SECTION 98-B | COUNTY COOK | TOTAL SHEETS 65 | SHEET NO. 53

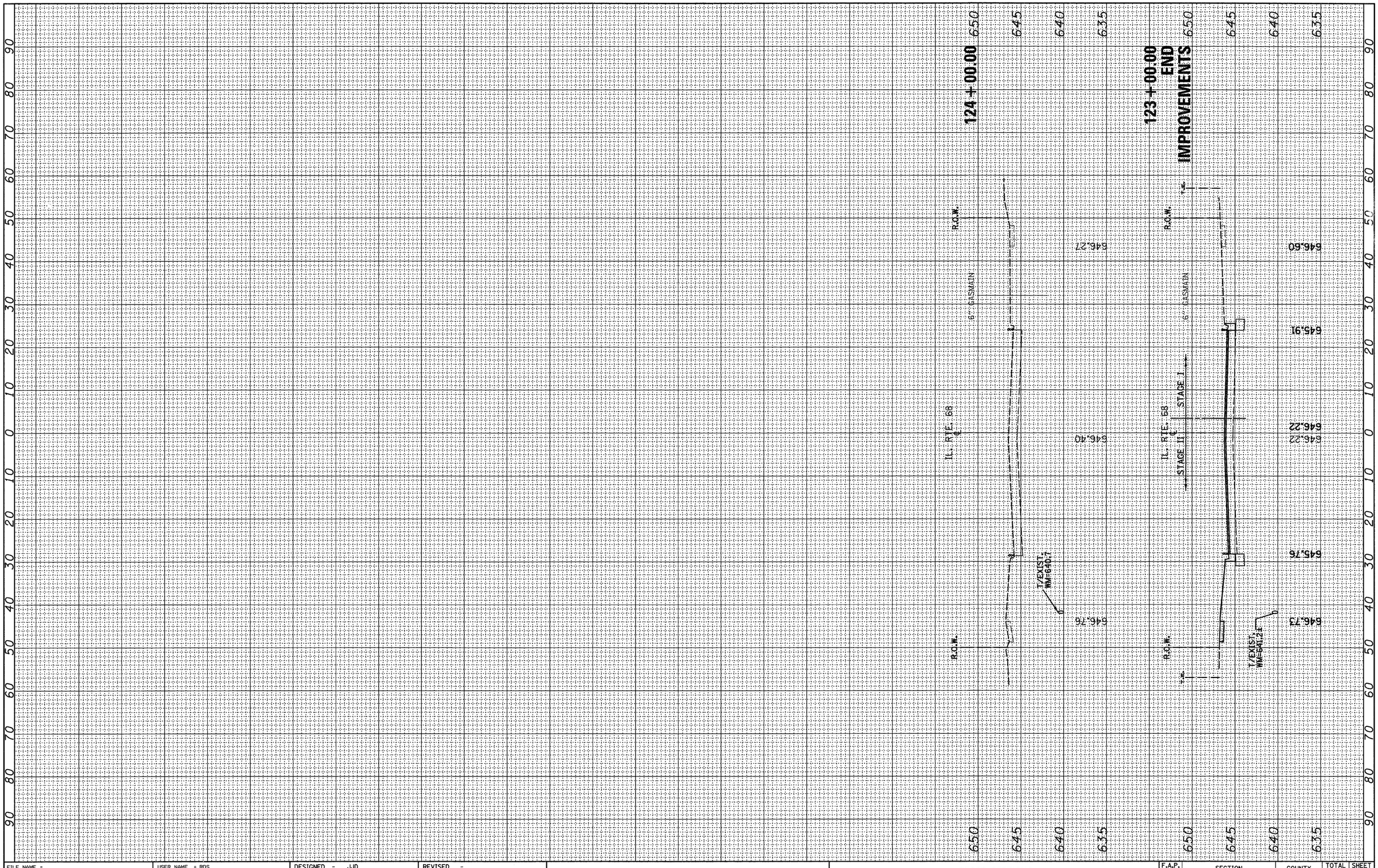
FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT

CONTRACT NO. 60H20



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

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



FILE NAME = $FILEL$	USER NAME = RDS	DESIGNED - JJD	REVISED -
		DRAWN - RDS	REVISED -
	PLOT SCALE = 1"=10'	CHECKED -	REVISED -
	PLOT DATE = 11-12-10	DATE - 11-12-10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS-SECTIONS
IL. ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH

SCALE: 1"=10'H, 5'V | SHEET NO. OF SHEETS | STA. 123+00.00 TO STA. 124+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	54
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

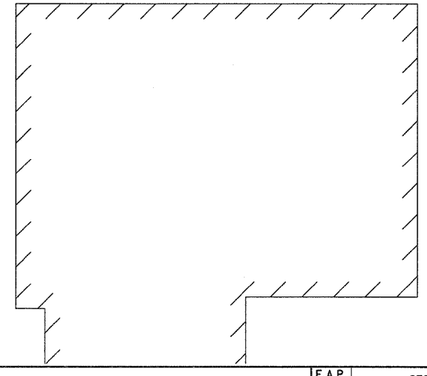
N

11+95.00
11+80.00
11+65.00
11+50.00
11+35.00
11+20.00
11+05.00
10+90.00
10+75.00
10+60.00
10+45.00
10+30.00
10+15.00
10+00.00

120+00

IL. RTE. 68 (DUNDEE RD.)

POT Sta 10+00.00



Applied Technologies

FILE NAME = ⊕FILEL⊕	USER NAME = RDS	DESIGNED - JDD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	WHEELING DRAINAGE DITCH CROSS SECTION PLAN VIEW IL ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - RDS	REVISED -			343	98-B	COOK	65	55
	PLOT SCALE = 1"=10'	CHECKED -	REVISED -							CONTRACT NO. 60H20
	PLOT DATE = 11-12-10	DATE - 11-12-10	REVISED -		SCALE: 1"=10' SHEET NO. OF SHEETS STA. 113+57.00 TO STA. 123+00.00	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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

FILE NAME = #FILE#

USER NAME = RDS

PLOT SCALE = 1"=10'

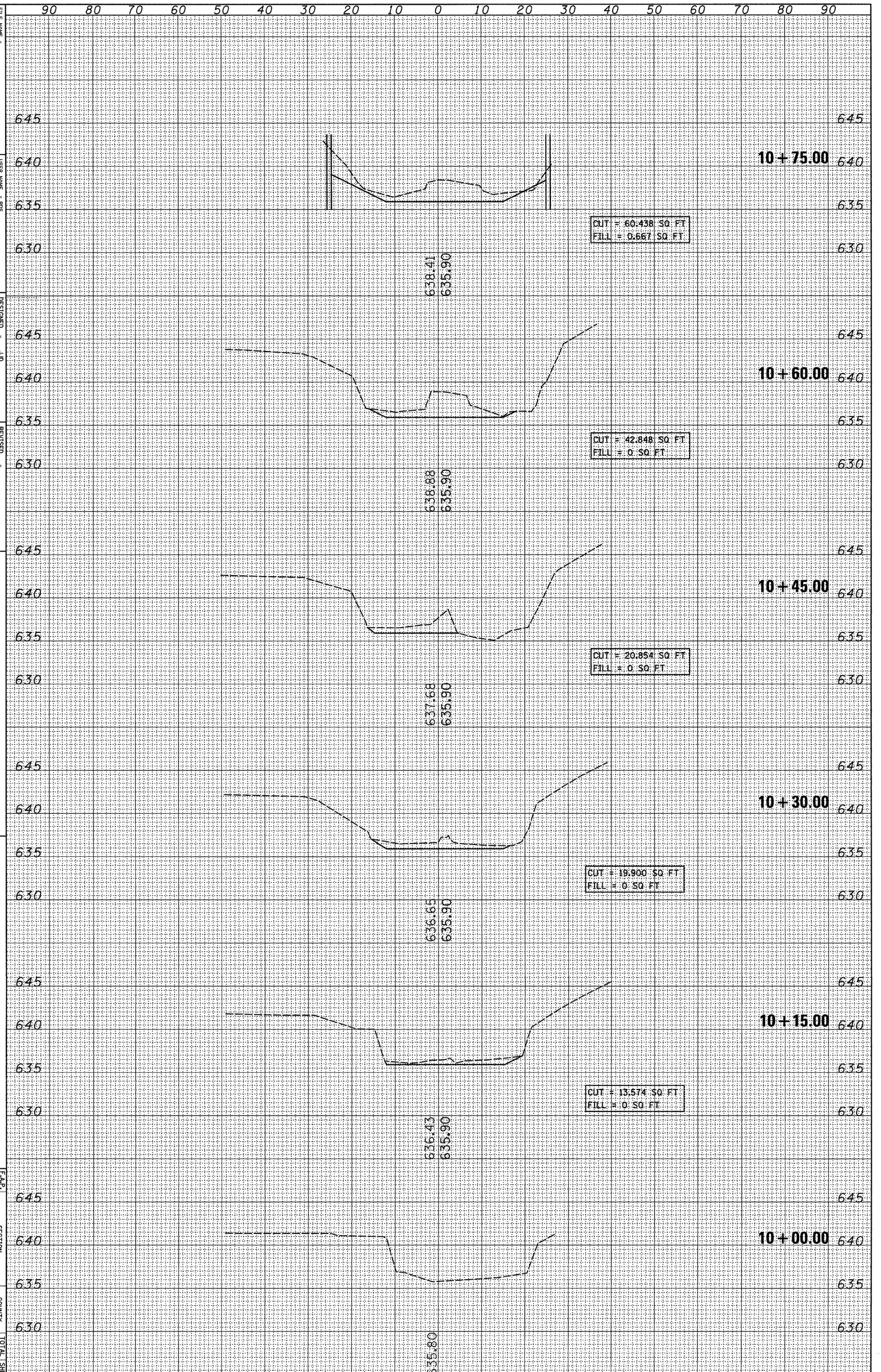
PLOT DATE = 11-12-18

DESIGNED	-	JJD
DRAWN	-	RDS
CHECKED	-	
DATE	-	11-12-10
REVISED	-	
REVISED	-	
REVISED	-	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS-SECTIONS - WHEELING DRAINAGE DITCH
IL. ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH

SCALE: 1"=10'H, 5'V | SHEET NO. OF SHEETS | STA. 10+00.00 TO STA. 10+75.00

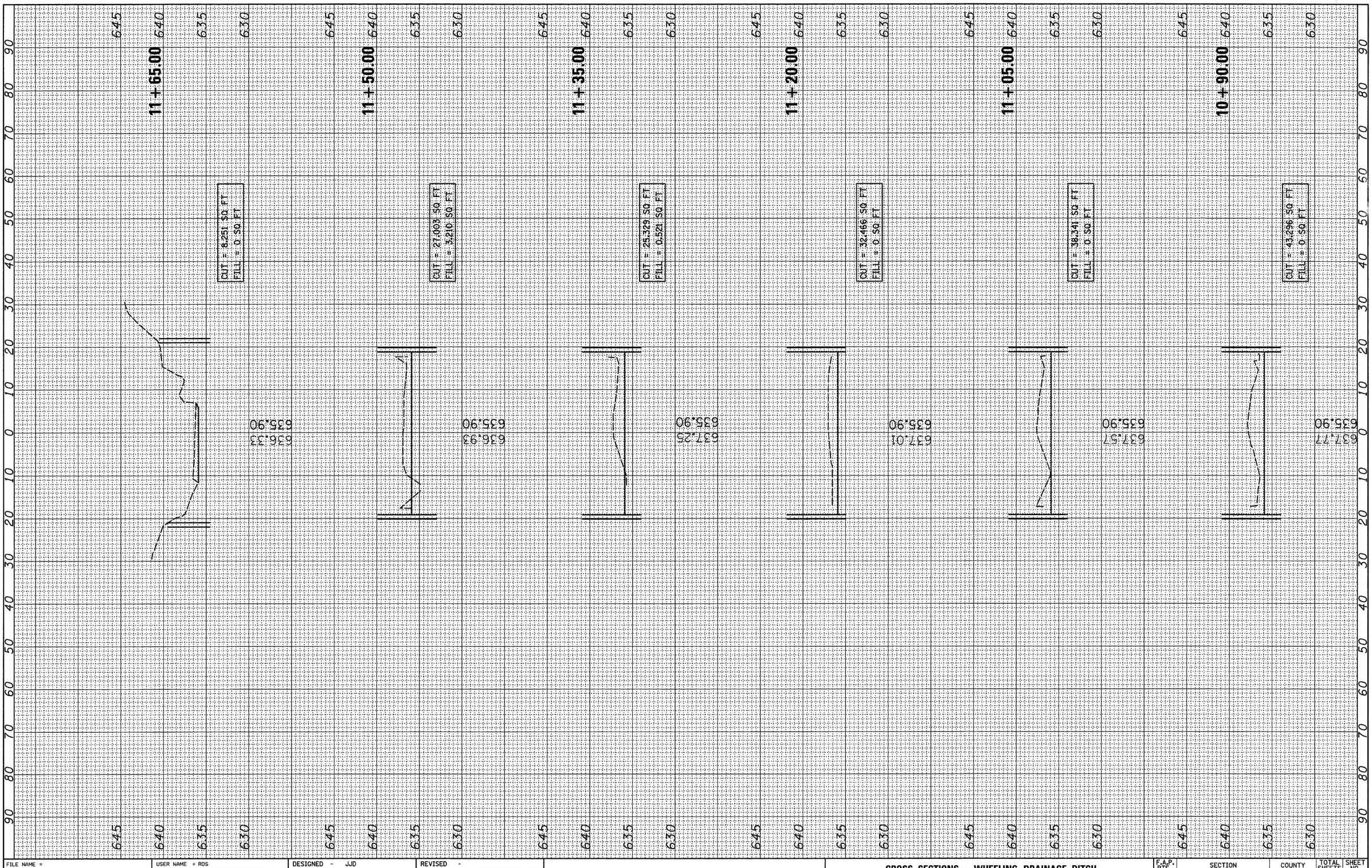


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	56

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT | CONTRACT NO. 60H20

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

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



FILE NAME = ⊕FILE1⊕	USER NAME = RDS	DESIGNED - JJD	REVISED -
		DRAWN - RDS	REVISED -
	PLOT SCALE = 1"=10'	CHECKED -	REVISED -
	PLOT DATE = 11-12-10	DATE - 11-12-10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

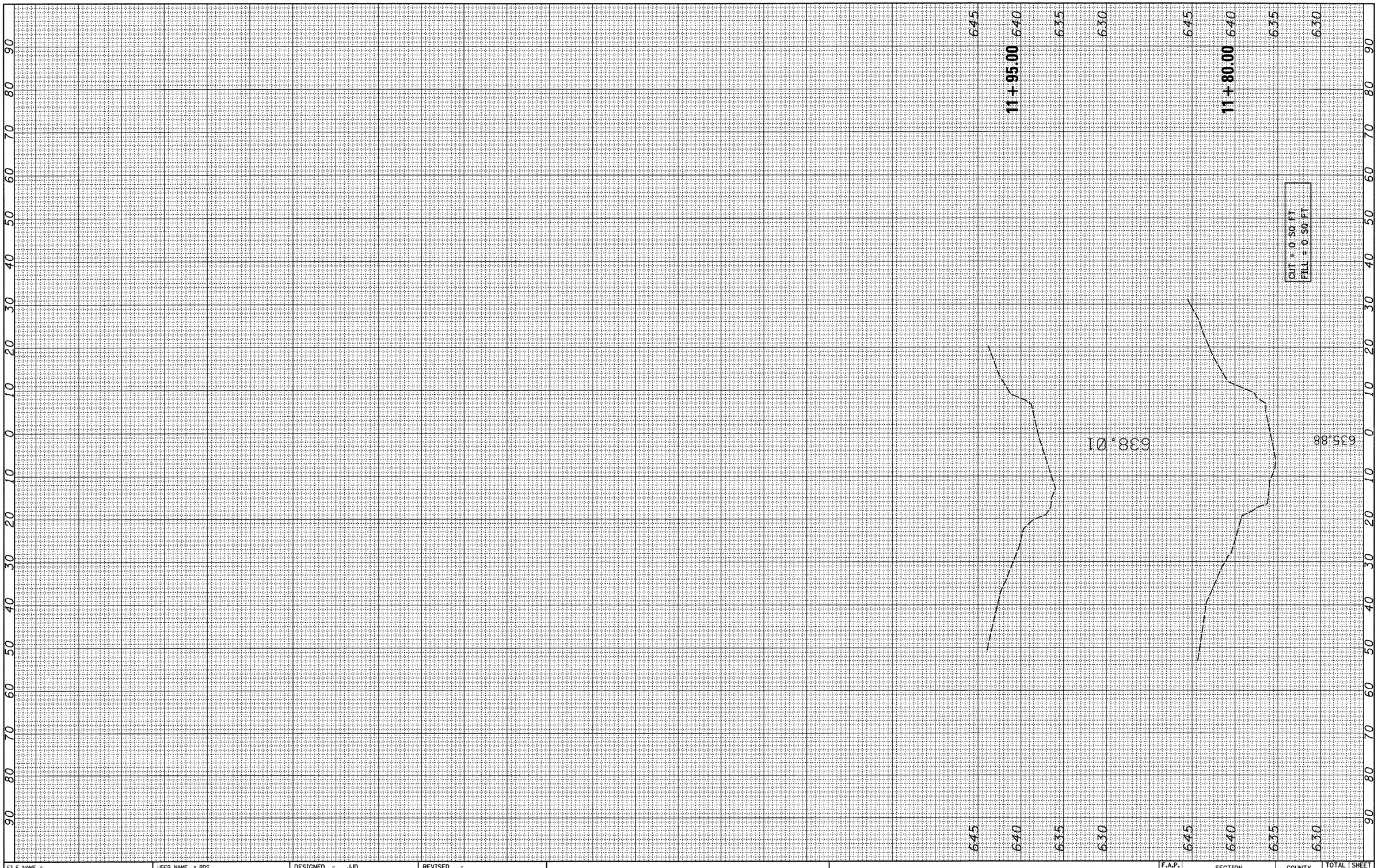
CROSS-SECTIONS – WHEELING DRAINAGE DITCH
IL. ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH

SCALE: 1"=10'H, 5'V | SHEET NO. OF SHEETS | STA. 10+00.00 TO STA. 10+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	57
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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



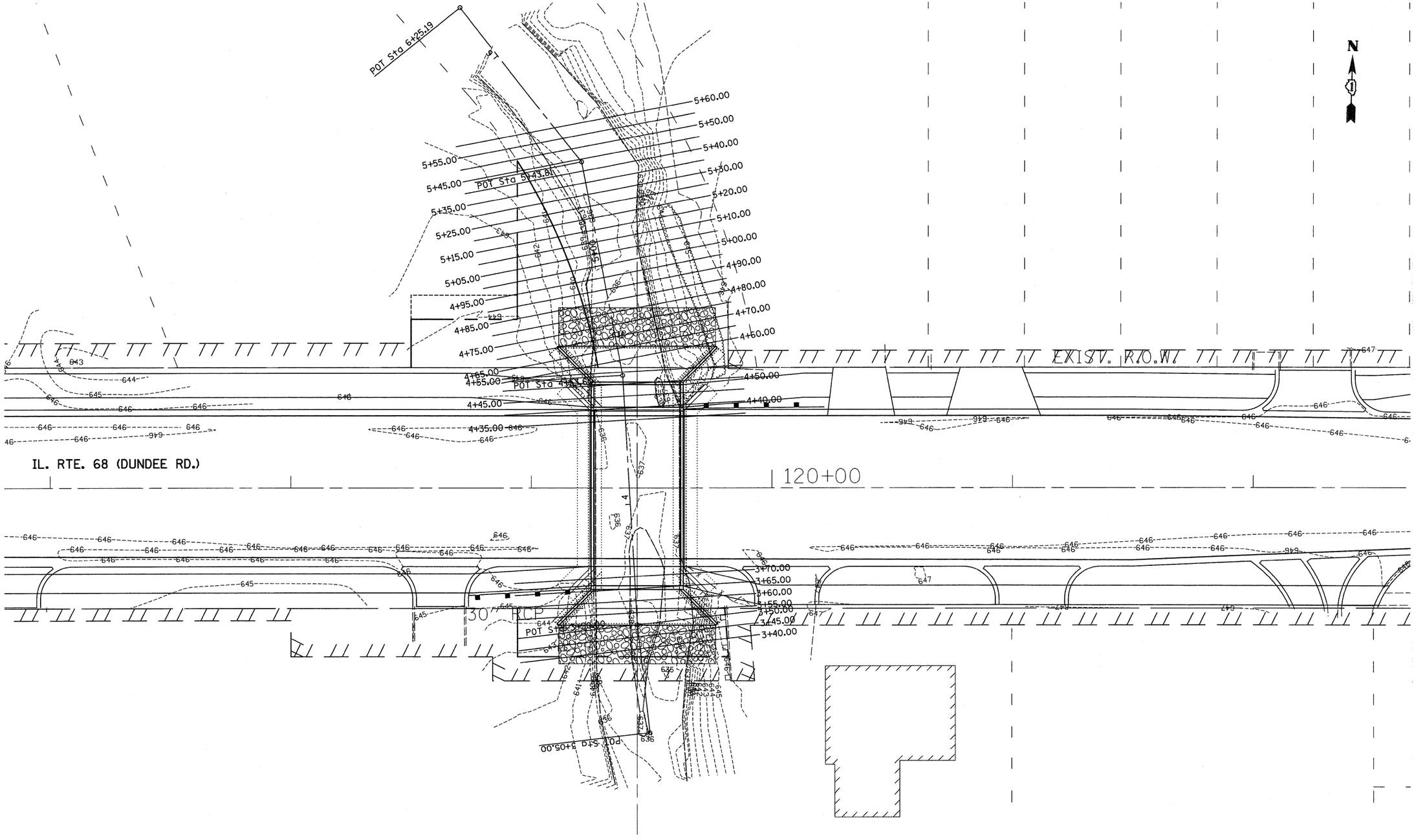
FILE NAME = $FILEL$	USER NAME = RDS	DESIGNED - JJD	REVISED -
		DRAWN - RDS	REVISED -
	PLOT SCALE = 1"=10'	CHECKED -	REVISED -
	PLOT DATE = 11-12-10	DATE - 11-12-10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS-SECTIONS - WHEELING DRAINAGE DITCH
IL. ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH

SCALE: 1"=10'H, 5'V | SHEET NO. OF SHEETS | STA. 10+00.00 TO STA. 10+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	58
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



FILE NAME = J:\MICROST\EXHIBITS\DRAINAGE EXHIBIT.DGN	USER NAME = RDS	DESIGNED - JDD	REVISED -
		DRAWN - RDS	REVISED -
	PLOT SCALE = 1"=20'	CHECKED -	REVISED -
	PLOT DATE = 11-12-10	DATE - 11-12-10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

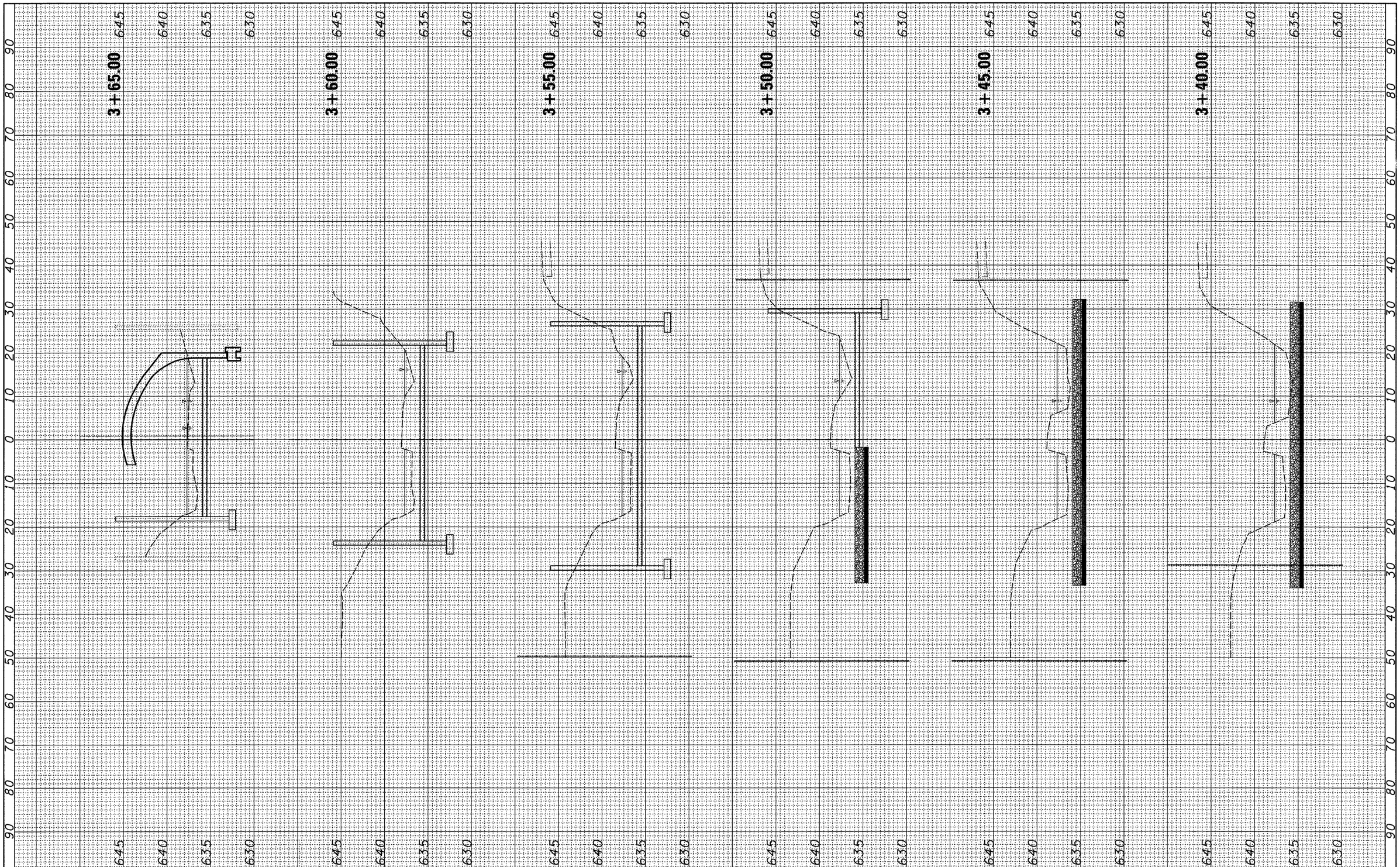
COMPENSATORY STORAGE
IL ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH

SCALE: 1"=10' | SHEET NO. OF SHEETS | STA. 113+57.00 TO STA. 123+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	59
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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



FILE NAME =	USER NAME = RDS	DESIGNED - JJD	REVISED -
$FILEL$		DRAWN - RDS	REVISED -
	PLOT SCALE = 1'=10'	CHECKED -	REVISED -
	PLOT DATE = 05-05-10	DATE - 05-05-10	REVISED -

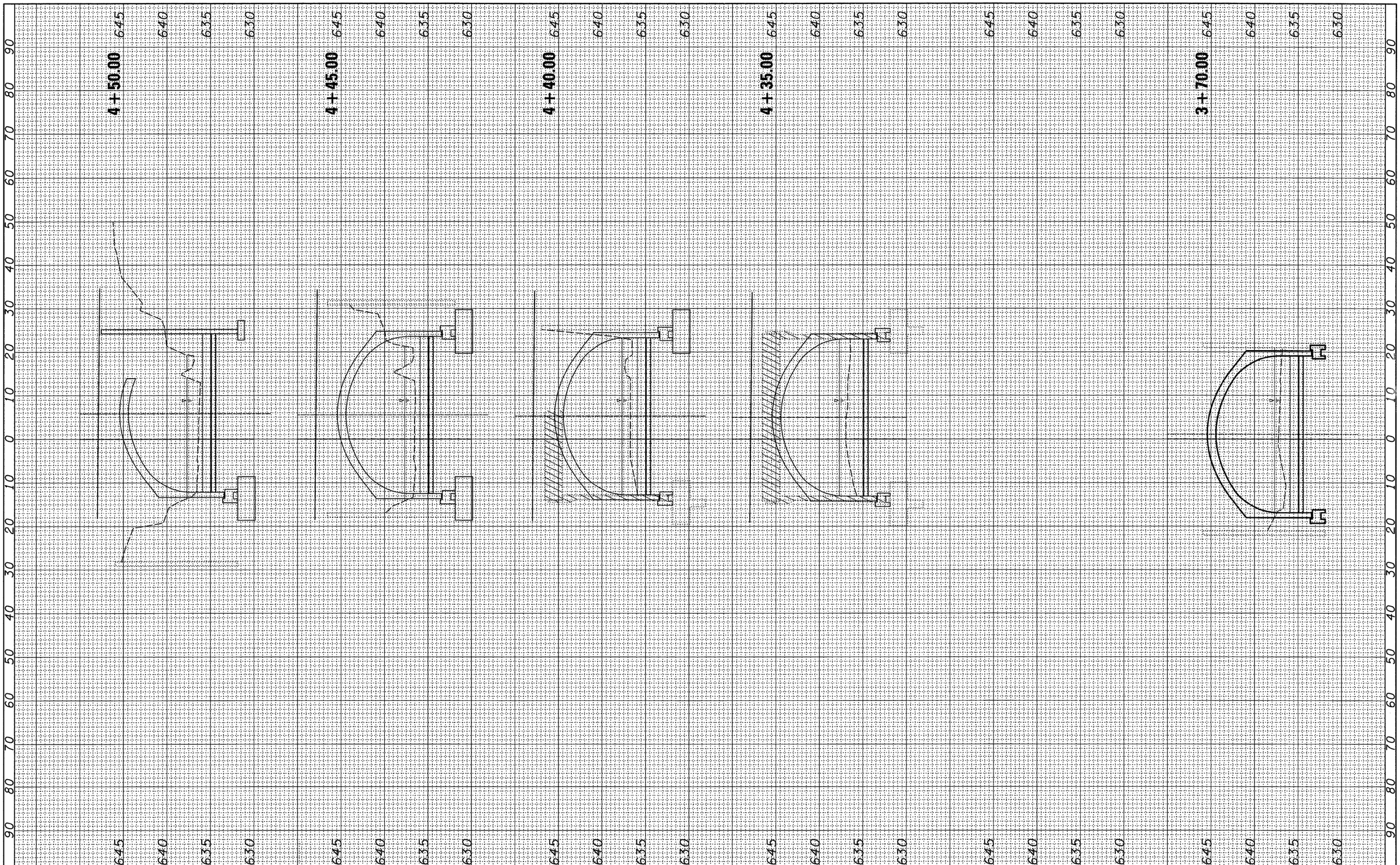
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

COMPENSATORY STORAGE CROSS-SECTIONS-WHEELING DRAINAGE DITCH
IL. ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH

SCALE: 1"=10'H, 5'V | SHEET NO. OF SHEETS | STA. 10+00.00 TO STA. 10+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	60
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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



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

FILE NAME = $FILEL$	USER NAME = RDS	DESIGNED - JJD	REVISED -
		DRAWN - RDS	REVISED -
	PLOT SCALE = 1"=10'	CHECKED -	REVISED -
	PLOT DATE = 05-05-10	DATE - 05-05-10	REVISED -

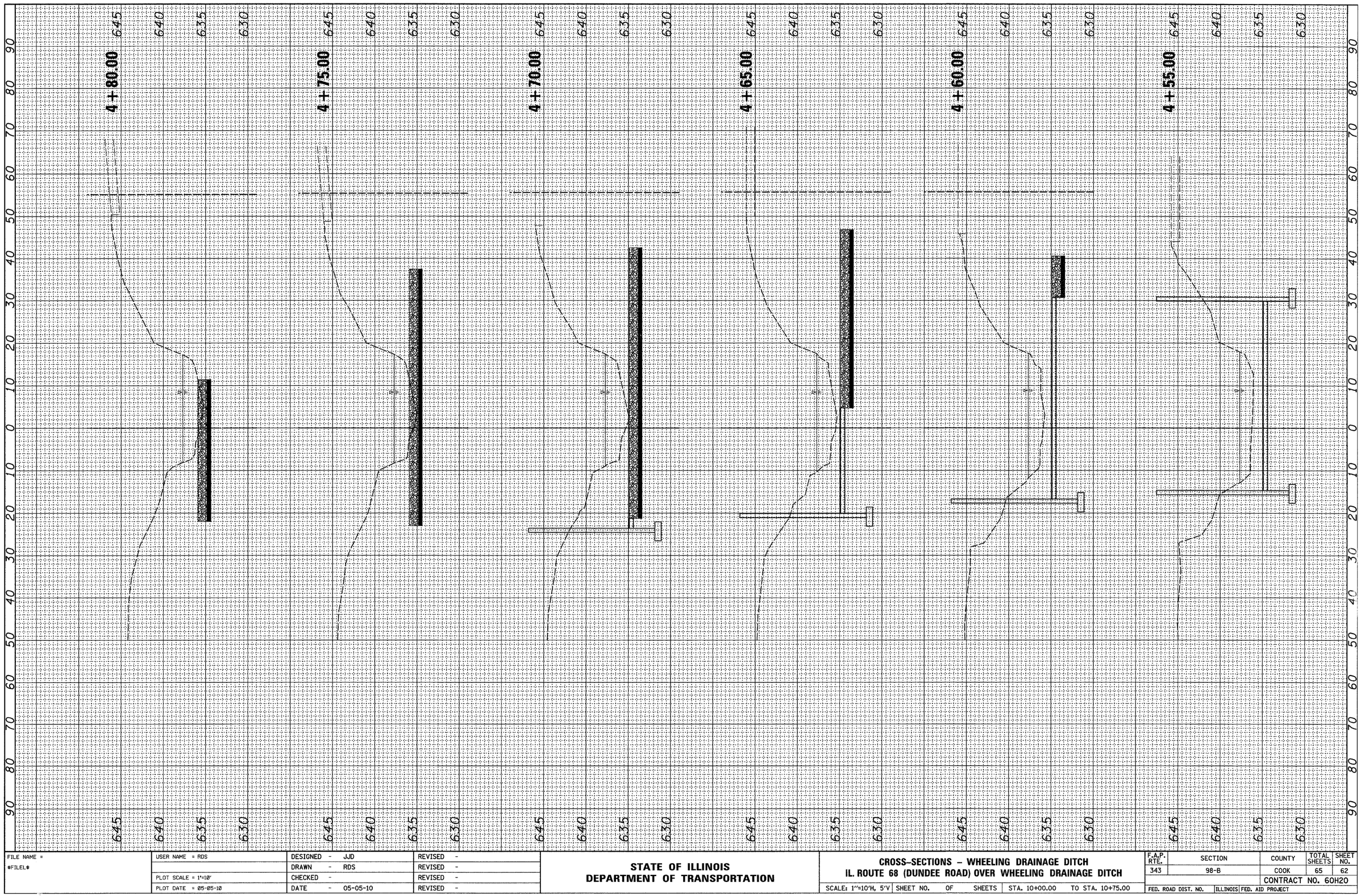
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

COMPENSATORY STORAGE CROSS-SECTIONS-WHEELING DRAINAGE DITCH
IL. ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH

SCALE: 1"=10'H, 5'V | SHEET NO. OF SHEETS | STA. 10+00.00 TO STA. 10+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	61
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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



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

FILE NAME = *FILEL*	USER NAME = RDS	DESIGNED - JJD	REVISED -
		DRAWN - RDS	REVISED -
	PLOT SCALE = 1'=10'	CHECKED -	REVISED -
	PLOT DATE = 05-05-10	DATE - 05-05-10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS-SECTIONS – WHEELING DRAINAGE DITCH
IL. ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH

SCALE: 1"=10'H, 5'V | SHEET NO. OF SHEETS | STA. 10+00.00 | TO STA. 10+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	62
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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

FILE NAME = *FILEL*	USER NAME = RDS	DESIGNED - JJD	REVISED -
		DRAWN - RDS	REVISED -
	PLOT SCALE = 1"=10'	CHECKED -	REVISED -
	PLOT DATE = 05-05-10	DATE - 05-05-10	REVISED -

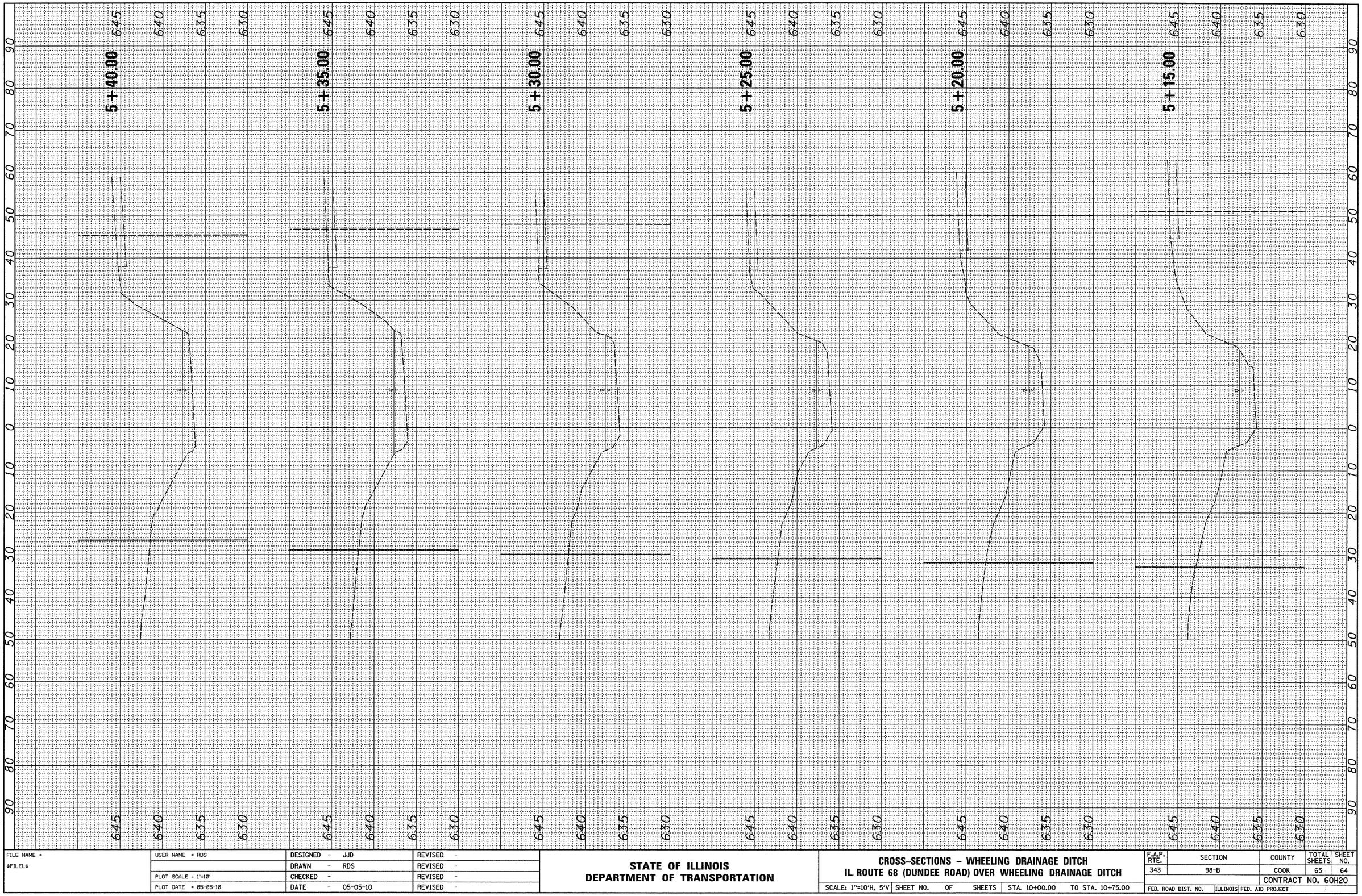
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS-SECTIONS – WHEELING DRAINAGE DITCH
IL. ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH

SCALE: 1"=10'H, 5'V | SHEET NO. OF SHEETS | STA. 10+00.00 TO STA. 10+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	63
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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



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

FILE NAME = $FILEL$	USER NAME = RDS	DESIGNED - JJD	REVISED -
		DRAWN - RDS	REVISED -
	PLOT SCALE = 1"=10'	CHECKED -	REVISED -
	PLOT DATE = 05-05-10	DATE - 05-05-10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

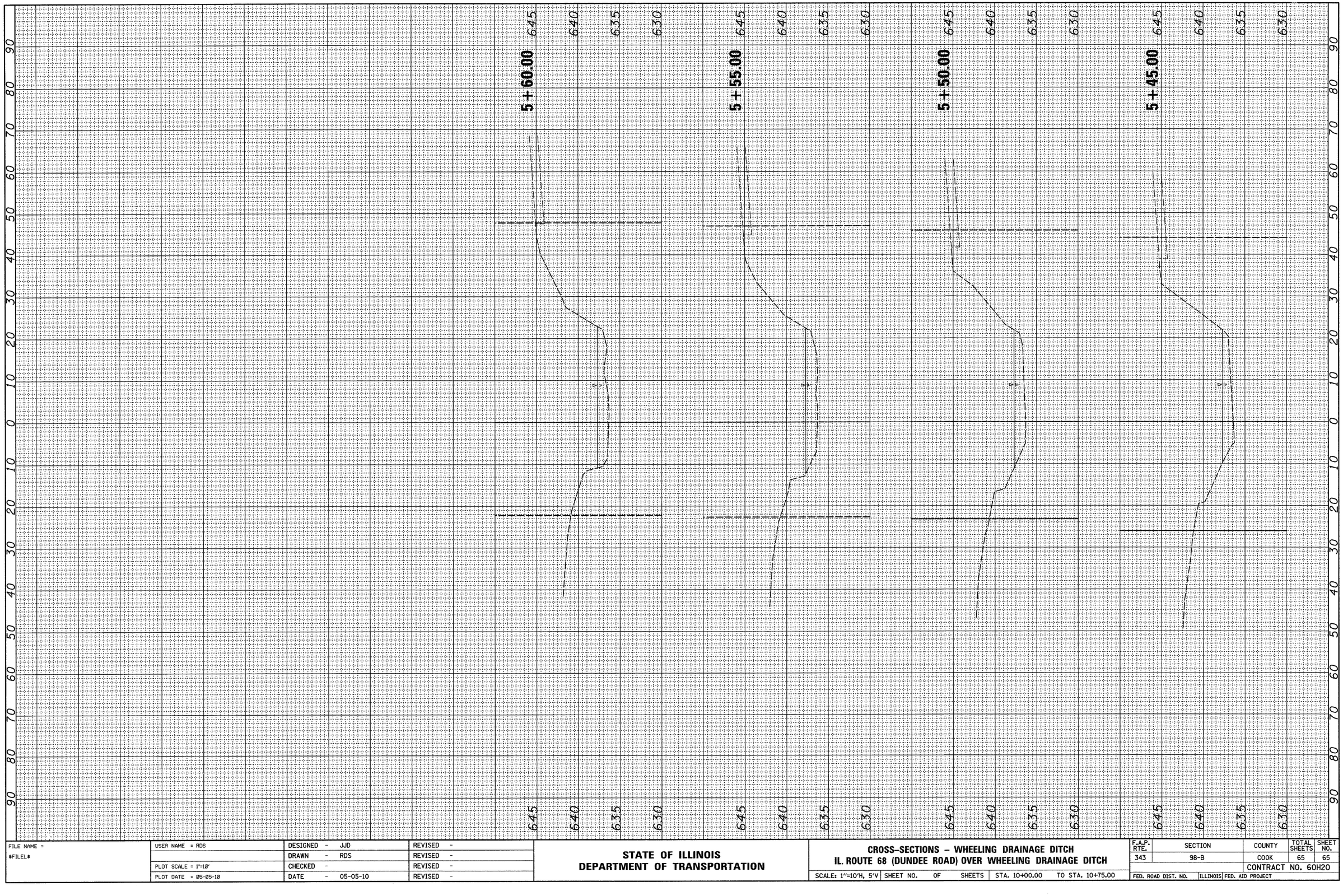
CROSS-SECTIONS – WHEELING DRAINAGE DITCH
IL. ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH

SCALE: 1"=10'H, 5'V | SHEET NO. OF SHEETS | STA. 10+00.00 TO STA. 10+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	64
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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

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



FILE NAME = *FILEL*	USER NAME = RDS	DESIGNED - JJD	REVISED -
		DRAWN - RDS	REVISED -
	PLOT SCALE = 1"=10'	CHECKED -	REVISED -
	PLOT DATE = 05-05-10	DATE - 05-05-10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS-SECTIONS - WHEELING DRAINAGE DITCH
IL. ROUTE 68 (DUNDEE ROAD) OVER WHEELING DRAINAGE DITCH

SCALE: 1"=10'H, 5'V | SHEET NO. OF SHEETS | STA. 10+00.00 TO STA. 10+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	98-B	COOK	65	65
		CONTRACT NO. 60H20		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		