

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	09-00063-00-SW	WILL	41	1
		ILLINOIS	CONTRACT NO. 63438	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

FOR INDEX OF SHEETS, SEE SHEET NO. 2

TRAFFIC DATA

ADT:

IL RTE 7, MADISON STREET TO
7TH STREET = 15,300 (2007)

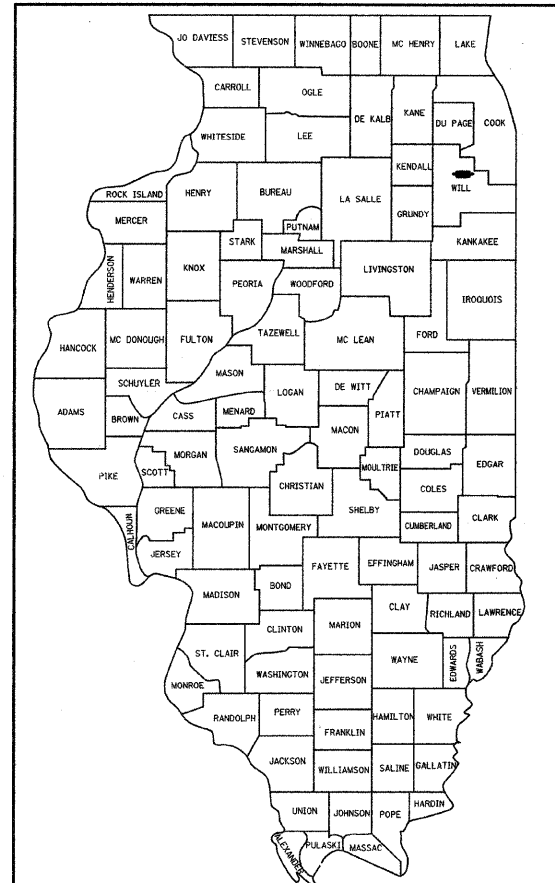
IL RTE 7, 7TH STREET TO
THORNTON STREET = 13,900 (2007)

IL RTE 7, THORNTON STREET TO
FARRELL ROAD = 15,100 (2007)

SPEED LIMIT:

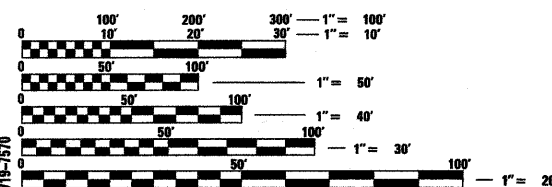
IL ROUTE 7 = 35 MPH (POSTED)

F.A.P. ROUTE 351 (IL ROUTE 7)
FROM LINCOLN STREET TO FARRELL ROAD
SECTION: 09-00063-00-SW
SIDEWALK CONSTRUCTION
PROJECT: CMM-9003(259)
CITY OF LOCKPORT
WILL COUNTY
C-91-381-09



LOCATION OF SECTION INDICATED THUS: - ■ -

PROJECT LOCATED IN
CITY OF LOCKPORT

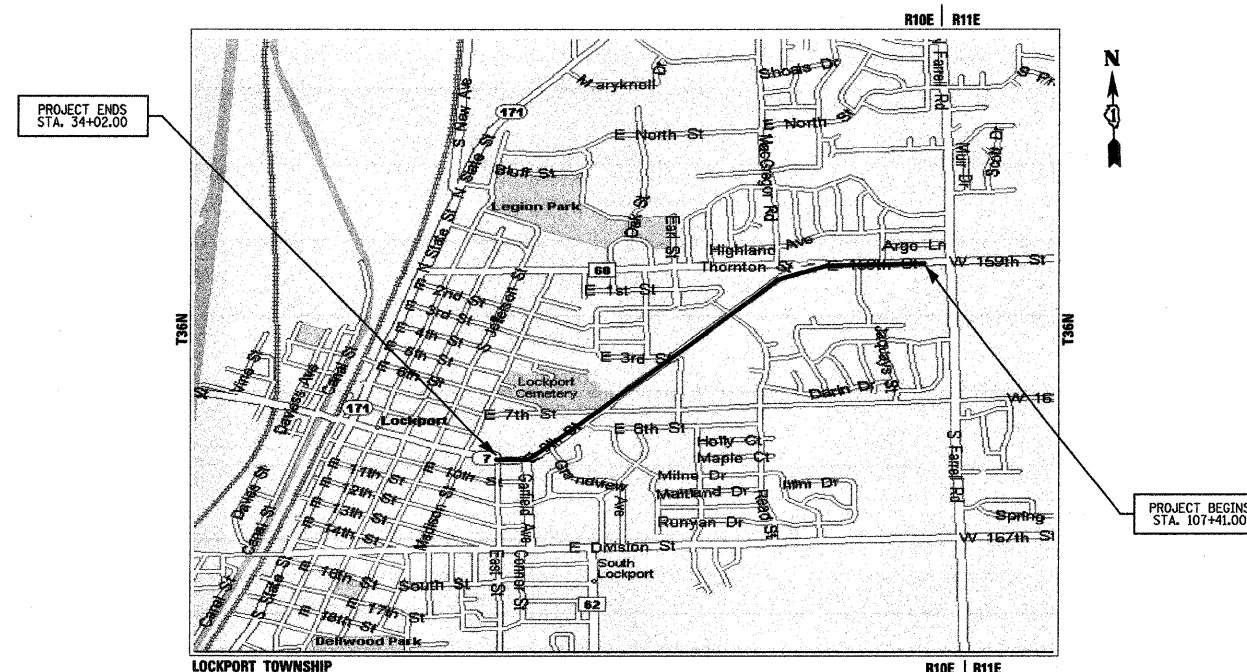


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

CONTRACT NO. 63438
DESIGN DESIGNATION: PRINCIPAL ARTERIAL

COUNTY: WILL SECTION: 09-00063-00-SW F.A.P. ROUTE: 351



PROJECT ENDS
STA. 34+02.00

PROJECT BEGINS
STA. 107+41.00

LOCATION MAP
SCALE: NTS
GROSS & NET LENGTH OF PROJECT: 7,339 FT. (1.39 MILES)

FIELD ENGINEER: MELCHOR MANGOBA (847) 705-4408
CONSULTANT: JAMES J. BENES & ASSOCIATES, INC. (630) 719-7570

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED: January 19 2010
[Signature]
City of Lockport, City Engineer

PASSED: January 29 2010
[Signature]
District 1 Engineer of Local Roads & Streets

Releasing for Bid
Based on Limited
Review FEBRUARY 1, 2010
[Signature]
Deputy Director of Highways, Region 1 Engineer

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JAMES J. BENES & ASSOCIATES, INC.

JAMES J. BENES & ASSOCIATES
CONSULTING ENGINEERS
950 WARRENVILLE ROAD, SUITE 101
LISLE, IL 60532
(630) 719-7570
SIGNATURE: *[Signature]*
DATE: 1/19/2010
IL LICENSE NO: 062-034438
EXP. DATE: NOVEMBER 30, 2011
FIELD: JAMES J. BENES AND ASSOCIATES, INC.
CIVIL ENGINEERING

INDEX OF SHEETS

SHEET NO.	TITLE
1	TITLE SHEET
2	INDEX OF SHEETS, GENERAL NOTES, STATE STANDARDS AND BENCH MARKS
3	SUMMARY OF QUANTITIES
4	SCHEDULES OF QUANTITIES
5	TYPICAL SECTIONS
6-11	GEOMETRIC PLANS
12-14	STORMWATER POLLUTION PREVENTION PLANS
15-16	CONSTRUCTION DETAILS
17-19	DISTRICT DETAILS
20-41	CROSS SECTIONS

BENCH MARKS

- S.W. FLANGE BOLT ON FIRE HYDRANT. FIRE HYDRANT LOCATED AT THE SOUTHEAST CORNER OF GRANDVIEW AVENUE AND IL RTE. 7 (STA. 39+75, 67' RIGHT). ELEVATION = 644.41
- S.W. FLANGE BOLT ON FIRE HYDRANT. FIRE HYDRANT LOCATED AT THE SOUTHWEST CORNER OF 3RD STREET AND IL RTE. 7 (STA. 63+90, 64' LEFT). ELEVATION = 651.70
- SPIKE IN SOUTH FACE OF UTILITY POLE. UTILITY POLE LOCATED AT THE NORTHEAST CORNER OF THORNTON STREET AND IL RTE. 7 (STA. 89+94, 68' LEFT). ELEVATION = 684.96
- ARROW BOLT ON FIRE HYDRANT. FIRE HYDRANT LOCATED ON THE SOUTH SIDE OF IL RTE. 7 NEAR ROBSON DRIVE (STA. 100+92, 45' RIGHT). ELEVATION = 691.83

COMMITMENTS: NONE

LIST OF STATE STANDARDS

000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
424001-05	CURB RAMPS FOR SIDEWALKS
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5M) AWAY
701006-03	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5M) TO 24" (600mm) FROM PAVEMENT EDGE
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701501-05	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-06	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-04	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W CROSSWALKS OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES

LIST OF DISTRICT ONE DETAILS

BD-01	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND CURB OR EDGE GREATER THAN OR EQUAL TO 15'(4.5m)
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-22	ARTERIAL ROAD INFORMATION SIGN

GENERAL NOTES


- ACCESS TO LOCAL RESIDENCES AND BUSINESSES SHALL BE MAINTAINED DURING CONSTRUCTION.
- THE CONTRACTOR SHALL GIVE THE MUNICIPALITY THREE (3) WORKING DAYS NOTICE PRIOR TO THE COMMENCEMENT OF WORK. (CITY OF LOCKPORT: (815) 838-0549)
- ALL ELEVATIONS ARE ON U.S.G.S. DATUM.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- THE ENGINEER OR THE OWNER, SHALL NOT ASSUME ANY OF THE RESPONSIBILITIES OF THE CONTRACTOR'S SUPERINTENDENT OR OF SUBCONTRACTORS. ADDITIONALLY, THE ENGINEER OR OWNER, SHALL NOT ADVISE ON, OR ISSUE DIRECTIONS CONCERNING, ASPECTS OF CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, OR SAFETY PRECAUTIONS AND/OR PROGRAMS IN CONNECTION WITH THE WORK.
- THE LOCATIONS OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THEIR ACCURACY IS NOT GUARANTEED. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION AND ELEVATION OF ALL UTILITIES. THE CONTRACTOR SHALL REPORT ANY ENCOUNTERED DISCREPANCIES TO THE ENGINEER AT ONCE. THE CONTRACTOR SHALL TAKE DUE CARE IN ALL PHASES OF CONSTRUCTION TO PROTECT ANY UTILITIES WHICH MAY BE AFFECTED BY THE WORK. ANY DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL KEEP THE CONSTRUCTION AREA FREE OF DEBRIS AND/OR OBJECTIONABLE MATERIALS DURING CONSTRUCTION. THE CONTRACTOR SHALL INSPECT THE SITE DAILY FOR DEBRIS ON THE ROADWAY SURFACE. THE RIGHT-OF-WAY SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION.
- THE CONTRACTOR SHALL MAINTAIN ALL EXISTING DRAINAGE FACILITIES DURING CONSTRUCTION AND SHALL REPAIR ANY DRAINAGE FACILITIES DAMAGED DURING CONSTRUCTION. THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONTRACT AND WILL NOT BE PAID FOR SEPARATELY.
- THE CONTRACTOR SHALL VERIFY THE ELEVATIONS OF EXISTING STORM SEWERS PRIOR TO THE CONSTRUCTION OF PROPOSED STORM SEWER.
- THE RELOCATION OF SIGNS ARE INCLUDED IN THE COST OF THE CONTRACT AND WILL NOT BE PAID FOR SEPARATELY.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS, SEWERS AND WATER UTILITIES. (48 HOUR NOTIFICATION IS REQUIRED.)
- THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH ALL UTILITY COMPANIES AND THE MUNICIPALITY.
- SAW CUTTING OF PAVEMENT, SHOULDERS, CURB AND GUTTER, ETC. SHALL BE TO FULL DEPTH AND SHALL RESULT IN CLEAN, STRAIGHT EDGE ON THE PORTION REMAINING. ALL SAW CUTTING SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM REMOVED.
- THE RESIDENT ENGINEER SHALL CONTACT THE AREA TRAFFIC FIELD CONTROL ENGINEER AT (847) 705-4470 PRIOR TO PLACEMENT PLACING ANY PAVEMENT MARKINGS.
- THE CONTRACTOR 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.
- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2007; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2010; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (MUTCD), "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" MAY 1996 FIFTH EDITION, THE "DETAILS" IN THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.



JAMES J. BENES & ASSOCIATES, INC.
950 Warrenville Road, Suite 101, Lisle, Illinois 60532
Tel. (630) 719-7570 • Fax (630) 719-7589

FILE NAME =	USER NAME =	DESIGNED -- BDH	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, GENERAL NOTES, STATE STANDARDS AND BENCH MARKS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -- SMP	REVISED --		F.A.P. ROUTE 351 (IL ROUTE 7)			351	09-00063-00-SW	WILL	41	2	
		CHECKED -- BDH	REVISED --		SCALE: NONE			SHEET NO. 2 OF 41 SHEETS		STA. _____ TO STA. _____		CONTRACT NO. 63438	
		DATE -- 11-06-09	REVISED --									ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE	
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADSIDE IMPROVEMENTS	
				80% FED	20% VILLAGE SFTY-1B
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	9	9	
20101200	TREE ROOT PRUNING	EACH	4	4	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1,062	1,062	
20400800	FURNISHED EXCAVATION	CU YD	101	101	
25001000	SEEDING, CLASS 2 (SPECIAL)	ACRE	2.2	2.2	
28000400	PERIMETER EROSION BARRIER	FOOT	520	520	
28000500	INLET AND PIPE PROTECTION	EACH	4	4	
28000510	INLET FILTERS	EACH	13	13	
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	500	500	
42001300	PROTECTIVE COAT	SQ YD	3,012	3,012	
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	54	54	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	25,826	25,826	
42400800	DETECTABLE WARNINGS	SQ FT	64	64	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	945	945	
44000300	CURB REMOVAL	FOOT	382	382	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	194	194	
44000600	SIDEWALK REMOVAL	SQ FT	273	273	
50901115	STEEL RAILING (SPECIAL)	FOOT	265	265	
56400400	FIRE HYDRANTS TO BE RELOCATED	EACH	4	4	
56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	1	1	
60600605	CONCRETE CURB, TYPE B	FOOT	382	382	
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	170	170	
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	24	24	
67100100	MOBILIZATION	L SUM	1	1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	353	353	
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	69	69	
78300100	PAVEMENT MARKING REMOVAL	SQ FT	138	138	
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	51.4	51.4	
X0322923	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	945	945	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	7	7	
Z0017700	DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED	EACH	3	3	
Z0066700	STABILIZED DRIVEWAYS 10"	SQ YD	512	512	

LEGEND
 -DENOTES SPECIALTY ITEM

JJB JAMES J. BENES & ASSOCIATES, INC.
 950 Warrenville Road, Suite 101, Lisle, Illinois 60532
 Tel. (630) 719-7570 • Fax (630) 719-7589

FILE NAME =	USER NAME =	DESIGNED -- BDH	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES F.A.P. ROUTE 351 (IL ROUTE 7)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -- SMP	REVISED --		351	09-00063-00-SW	WILL	41	3			
		CHECKED -- BDH	REVISED --		SCALE: NONE SHEET NO. 3 OF 41 SHEETS STA. _____ TO STA. _____			CONTRACT NO. 63438				
		DATE -- 11-06-09	REVISED --		ILLINOIS FED. AID PROJECT							

TREE REMOVAL (6 TO 15 UNITS)		
STATION	OFFSET (FOOT)	QUANTITY (UNIT)
IL RTE 7 74+77	33' LT	9
TOTAL QUANTITY =		9

TREE ROOT PRUNING		
STATION	OFFSET (FOOT)	QUANTITY (EACH)
IL RTE 7 40+32	32' LT	1
42+60	50' RT	1
42+78	48' RT	1
82+82	43' LT	1
TOTAL QUANTITY =		4

EARTHWORK		
LOCATION	REMOVAL & DISPOSAL OF UNSUITABLE MAT.* (CU YD)	FURNISHED EXCAVATION** (CU YD)
IL RTE 7: LINCOLN STREET TO FARRELL ROAD	1,062	101
TOTAL QUANTITY =		1,062

*ALL CUT MATERIAL SHALL BE HAULED OFF SITE DUE TO NO ONSITE STORAGE LOCATIONS.
 **ALL FILL MATERIAL (EMBANKMENT) SHALL BE BROUGHT IN FROM OFFSITE LOCATION, SINCE ON SITE EXCAVATED MATERIAL MUST BE HAULED OFF SITE.

FIRE HYDRANTS TO BE RELOCATED		
STATION	OFFSET (FEET)	QUANTITY (EACH)
IL RTE 7 44+40	39' LT	1
100+91	41' RT	1
103+91	41' RT	1
106+93	41' RT	1
TOTAL QUANTITY =		4

DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED		
STATION	OFFSET (FEET)	QUANTITY (EACH)
IL RTE 7 42+66	38' RT	1
43+29	30' LT	1
81+87	36' RT	1
95+70	41' RT	1
97+38	40' RT	1
100+90	34' RT	1
101+08	40' RT	1
TOTAL QUANTITY =		7

DRIVEWAY QUANTITY SCHEDULE					
STATION	OFFSET	EXISTING PAVEMENT	DRIVEWAY PAVEMENT REMOVAL (SQ. YD.)	STABILIZED DRIVEWAYS 10" (SQ. YD.)	P.C.C. DRIVEWAY PVMT 8 INCHES (SQ. YD.)
IL RTE 7					
34+09	RT	HMA	42	36	
34+57	RT	HMA	18	8	
38+12	RT	HMA	23	10	
41+93	LT	HMA	65	29	
43+00	LT	HMA	41	18	
43+69	LT	HMA	36	15	
44+19	LT	HMA	38	16	
52+34	LT	HMA	51	29	
54+16	RT	HMA	25	12	
58+12	LT	HMA	25	11	
58+88	LT	HMA	22	8	
70+55	LT	HMA	41	27	
72+44	LT	P.C.C.	37		23
73+15	LT	HMA	30	14	
73+64	LT	HMA	30	14	
74+45	LT	HMA	49	27	
81+00	RT	HMA	25	11	
81+41	LT	HMA	15	6	
81+80	LT	HMA	19	8	
82+36	LT	HMA	26	19	
82+50	RT	HMA	90	76	
82+67	LT	HMA	97	88	
83+43	RT	HMA	26	19	
95+12	RT	HMA	29	11	31
101+31	RT	P.C.C.	45		
TOTAL QUANTITY =			945	512	54

INLET AND PIPE PROTECTION		
STATION	OFFSET (FEET)	QUANTITY (EACH)
IL RTE 7 56+56	30' RT	1
70+90	25' LT	1
95+41	40' RT	1
101+14	29' RT	1
TOTAL QUANTITY =		4

SEGMENTAL CONCRETE BLOCK WALL				
LOCATION	OFFSET	LENGTH (FOOT)	AVERAGE HEIGHT (FOOT)	QUANTITY (SQ FT)
IL RTE 7 40+75 TO 42+75	RT	200	2.5	500
59+25 TO 61+25	RT	200	1.9	380
104+25 TO 104+90	RT	65	1.0	65
TOTAL QUANTITY =				945

DRAINAGE & UTILITY STRUCTURES TO BE RECONSTRUCTED		
STATION	OFFSET (FEET)	QUANTITY (EACH)
IL RTE 7 43+34	33' RT	1
81+77	42' RT	1
105+91	44' RT	1
TOTAL QUANTITY =		3


INLET FILTERS		
STATION	OFFSET (FEET)	QUANTITY (EACH)
IL RTE 7 38+82	32' RT	1
39+61	32' RT	1
40+38	26' RT	1
42+05	23' LT	1
42+10	26' LT	1
43+27	21' LT	1
43+30	29' LT	1
44+33	32' LT	1
54+54	37' RT	1
70+10	26' LT	1
71+12	46' LT	1
72+93	24' LT	1
73+96	24' LT	1
TOTAL QUANTITY =		13

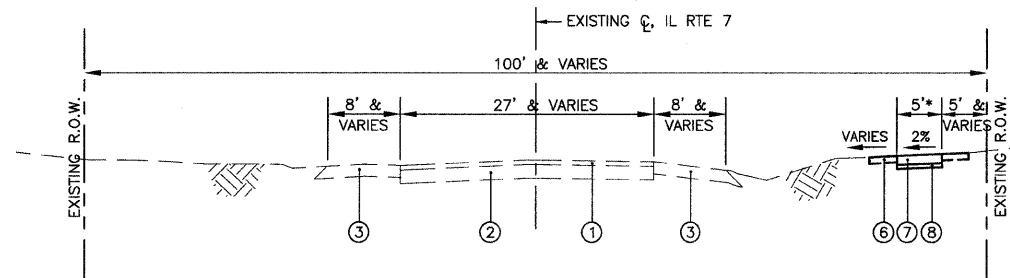
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES
F.A.P. ROUTE 351 (IL ROUTE 7)

SCALE: NONE SHEET NO. 4 OF 41 SHEETS STA. _____ TO STA. _____

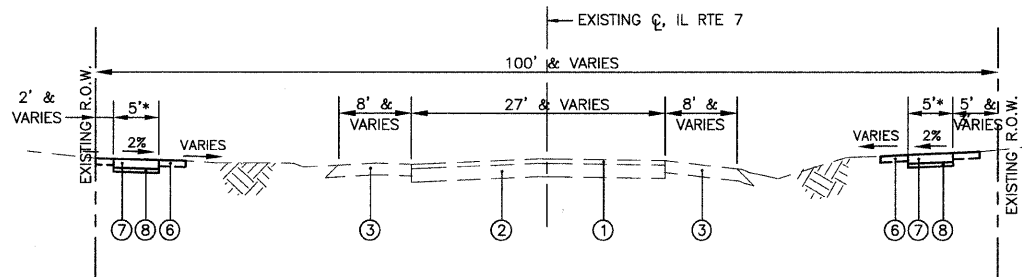
		JAMES J. BENES & ASSOCIATES, INC. 950 Warrenville Road, Suite 101, Lisle, Illinois 60532 Tel. (630) 719-7570 • Fax (630) 719-7589			
F.A.P. RTE. 351	SECTION 09-00063-00-SW	COUNTY WILL	TOTAL SHEETS 41	SHEET NO. 4	CONTRACT NO. 63438
ILLINOIS FED. AID PROJECT					



* SIDEWALK WIDTH SHALL BE 7' WHEN ADJACENT TO BACK OF CURB

PROPOSED TYPICAL CROSS SECTION-IL RTE 7 (RIGHT SIDE ONLY)

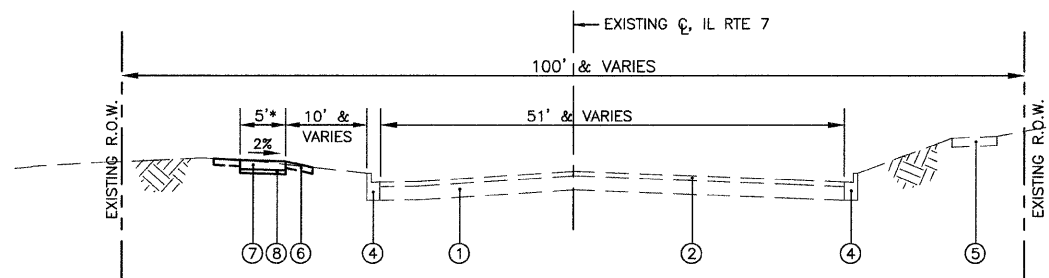
STA. 304+02.00 TO STA. 40+31.00
 STA. 53+75.00 TO STA. 57+93.00
 STA. 59+19.00 TO STA. 65+61.00
 STA. 93+30.00 TO STA. 107+41.00



* SIDEWALK WIDTH SHALL BE 7' WHEN ADJACENT TO BACK OF CURB

PROPOSED TYPICAL CROSS SECTION-IL RTE 7 (BOTH SIDES)

STA. 40+31.00 TO STA. 45+02.00
 STA. 57+93.00 STA. 59+19.00
 STA. 80+57.00 TO STA. 84+00.00



* SIDEWALK WIDTH SHALL BE 7' WHEN ADJACENT TO BACK OF CURB

PROPOSED TYPICAL CROSS SECTION-IL RTE 7 (LEFT SIDE ONLY)

STA. 51+27.00 TO STA. 53+75.00
 STA. 59+93.00 STA. 59+19.00
 STA. 70+04.00 TO STA. 76+05.00

LEGEND

- ① EXISTING HOT-MIX ASPHALT SURFACE COURSE, THICKNESS VARIES
- ② EXISTING P.C.C. PAVEMENT, 9" & VARIES
- ③ EXISTING AGGREGATE SHOULDERS, THICKNESS VARIES
- ④ EXISTING CONCRETE CURB AND GUTTER
- ⑤ EXISTING P.C.C. SIDEWALK
- ⑥ SEEDING, CLASS 2 (SPECIAL)
 (INCLUDES 4" PULVERIZED TOP SOIL AND FERTILIZER)
 (AT LOCATIONS DESIGNATED BY THE ENGINEER)
- ⑦ PORTLAND CEMENT CONCRETE SIDEWALK 5"
 (AT ENTRANCES, THE SIDEWALK SHALL BE INCREASED TO THE THICKNESS OF THE DRIVEWAY PAVEMENT, COST INCLUDED IN P.C.C. SIDEWALK 5")
- ⑧ SUB-BASE GRANULAR MATERIAL, TYPE B 2"
 (COST INCLUDED IN P.C.C. SIDEWALK 5")

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

MIXTURE TYPE	VOIDS
DRIVEWAYS	
HOT-MIX ASPHALT BASE COURSE, 8" (HMA BINDER IL-19mm)	4% @ 50 Gyr.
HOT-MIX ASPHALT SURFACE COURSE, MIX "C" N50, 2" (IL-9.5mm)	4% @ 50 Gyr.

NOTE: 1) THE UNIT WEIGHT USED TO CALCULATE ALL HMA QUANTITIES IS 112 LB/SY/IN
 2) 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.

JJB JAMES J. BENES & ASSOCIATES, INC.
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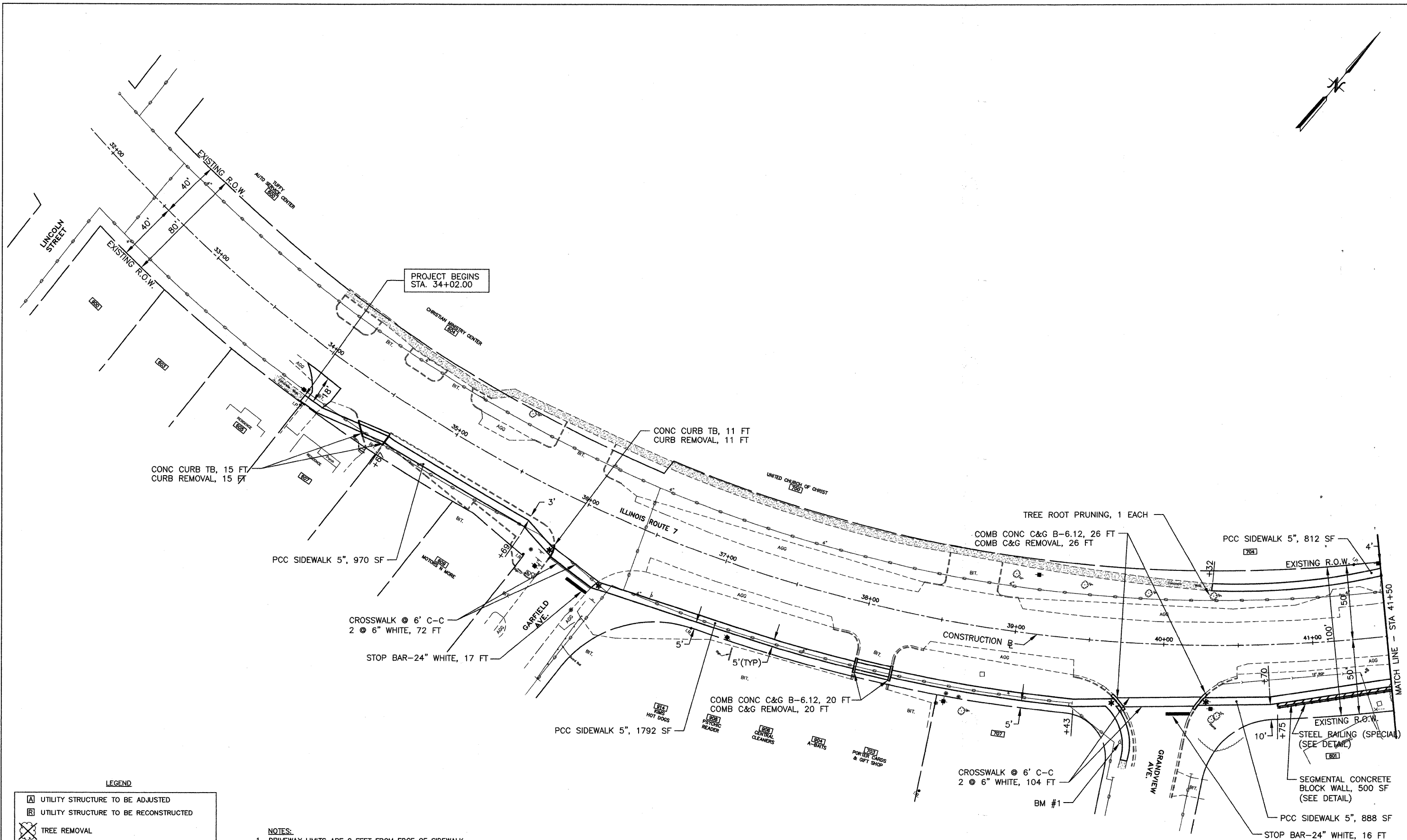
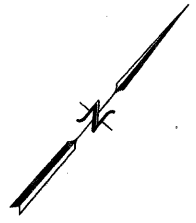
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		DATE -- 11-06-09	REVISED --

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
 F.A.P. ROUTE 351 (IL ROUTE 7)**

SCALE: NONE SHEET NO. 5 OF 41 SHEETS STA. _____ TO STA. _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	09-00063-00-SW	WILL	41	5
				CONTRACT NO. 634-38
ILLINOIS FED. AID PROJECT				



LEGEND

	UTILITY STRUCTURE TO BE ADJUSTED
	UTILITY STRUCTURE TO BE RECONSTRUCTED
	TREE REMOVAL
	DEPRESS CURB ADJACENT TO CURB RAMP AND INSTALL DETECTABLE WARNINGS ON RAMP
	SIDEWALK REMOVAL

NOTES:
 1. DRIVEWAY LIMITS ARE 2 FEET FROM EDGE OF SIDEWALK, UNLESS OTHERWISE NOTED.

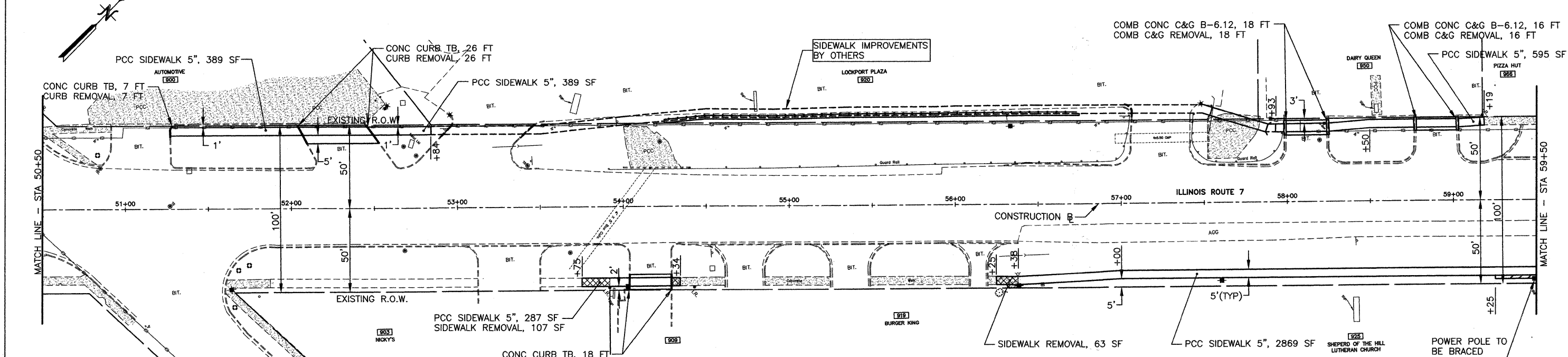
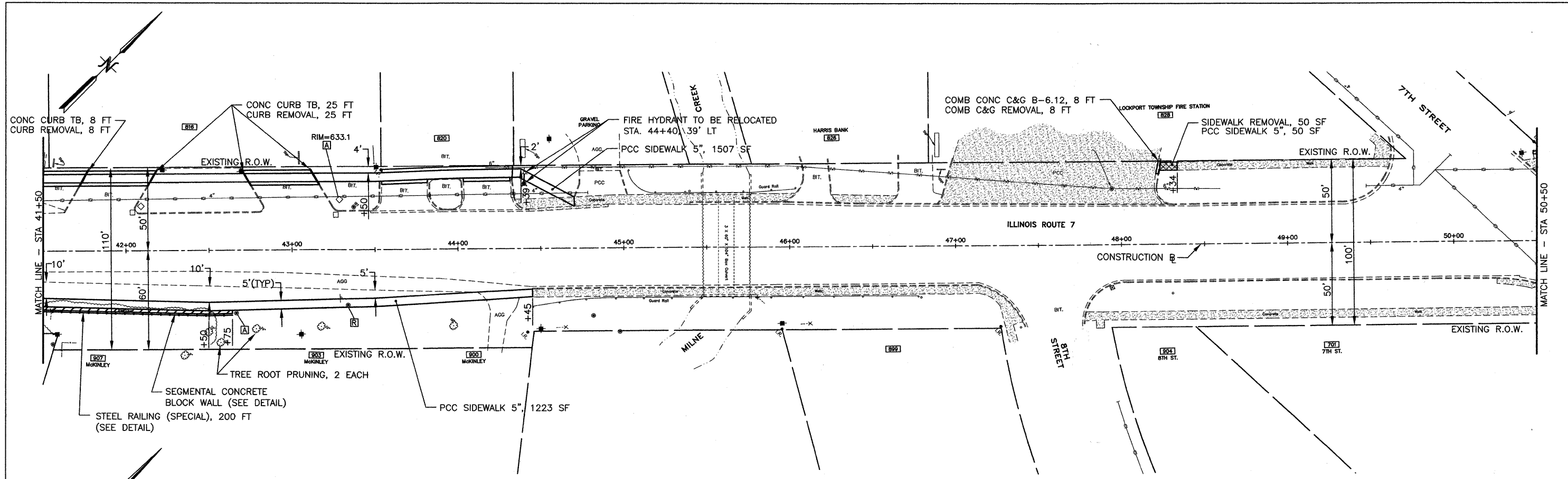
FILE NAME =	USER NAME =	DESIGNED -- BDH	REVISED --
		DRAWN -- BCD	REVISED --
	PLOT SCALE =	CHECKED -- BDH	REVISED --
	PLOT DATE =	DATE -- 11-06-09	REVISED --

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GEOMETRIC PLAN
 F.A.P. ROUTE 351 (IL ROUTE 7)**

SCALE: 1"=30' SHEET NO. 6 OF 41 SHEETS STA. 32+00 TO STA. 41+50

	JAMES J. BENES & ASSOCIATES, INC.			
	950 Warrenville Road, Suite 101, Lisle, Illinois 60532 Tel. (630) 719-7570 · Fax (630) 719-7589			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	09-00063-00-SW	WILL	41	6
			CONTRACT NO. 63438	
ILLINOIS FED. AID PROJECT				



LEGEND

- A UTILITY STRUCTURE TO BE ADJUSTED
- R UTILITY STRUCTURE TO BE RECONSTRUCTED
- X TREE REMOVAL
- * DEPRESS CURB ADJACENT TO CURB RAMP AND INSTALL DETECTABLE WARNINGS ON RAMP
- X SIDEWALK REMOVAL

NOTES:
 1. DRIVEWAY LIMITS ARE 2 FEET FROM EDGE OF SIDEWALK, UNLESS OTHERWISE NOTED.

FILE NAME =	USER NAME =	DESIGNED — BDH	REVISED —
		DRAWN — BCD	REVISED —
	PLOT SCALE =	CHECKED — BDH	REVISED —
	PLOT DATE =	DATE — 11-06-09	REVISED —

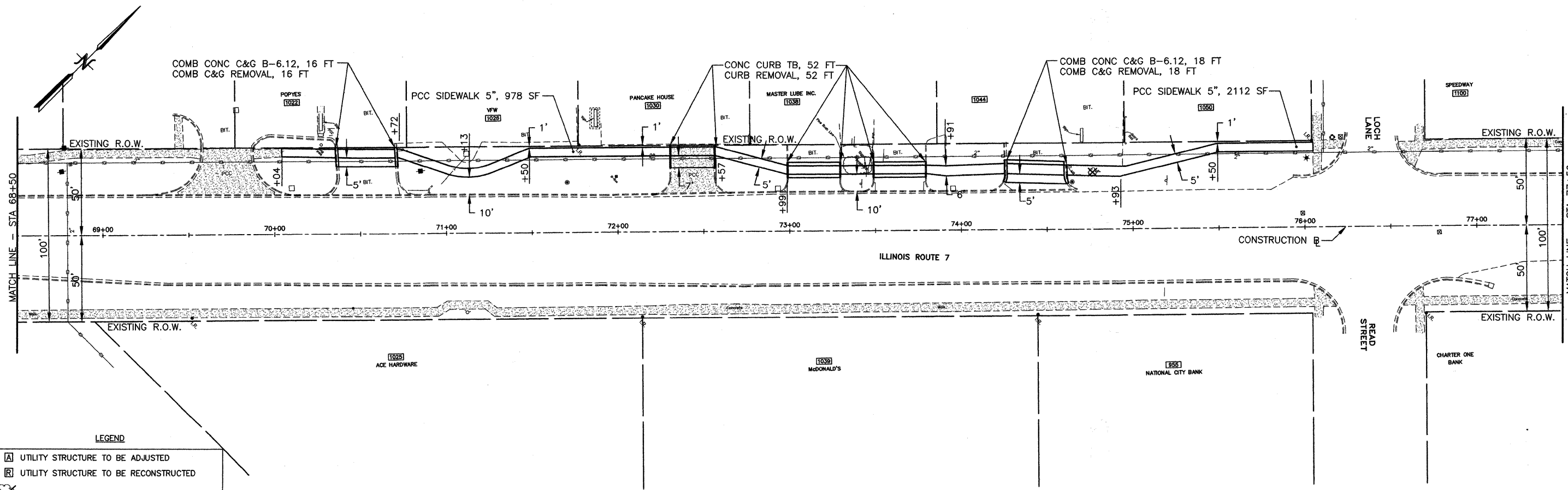
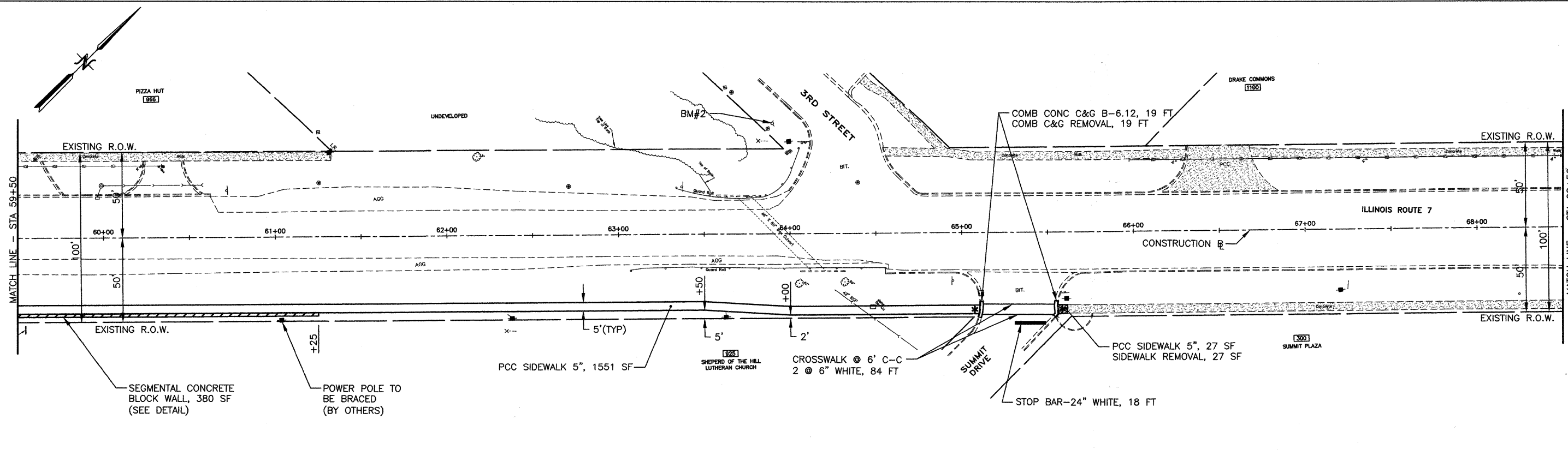
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GEOMETRIC PLAN
 F.A.P. ROUTE 351 (IL ROUTE 7)**

SCALE: 1"=30' SHEET NO. 7 OF 41 SHEETS STA. 41+50 TO STA. 59+50

JAMES J. BENES & ASSOCIATES, INC.
 950 Warrenville Road, Suite 101, Lisle, Illinois 60532
 Tel. (630) 719-7570 • Fax (630) 719-7589

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	09-00063-00-SW	WILL	41	7
CONTRACT NO. 63438				
ILLINOIS FED. AID PROJECT				



LEGEND

- A UTILITY STRUCTURE TO BE ADJUSTED
- R UTILITY STRUCTURE TO BE RECONSTRUCTED
- X TREE REMOVAL
- * DEPRESS CURB ADJACENT TO CURB RAMP AND INSTALL DETECTABLE WARNINGS ON RAMPS
- X SIDEWALK REMOVAL

NOTES:
 1. DRIVEWAY LIMITS ARE 2 FEET FROM EDGE OF SIDEWALK, UNLESS OTHERWISE NOTED.

FILE NAME =	USER NAME =	DESIGNED — BDH	REVISED —
		DRAWN — BCD	REVISED —
		CHECKED — BDH	REVISED —
		DATE — 11-06-09	REVISED —

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

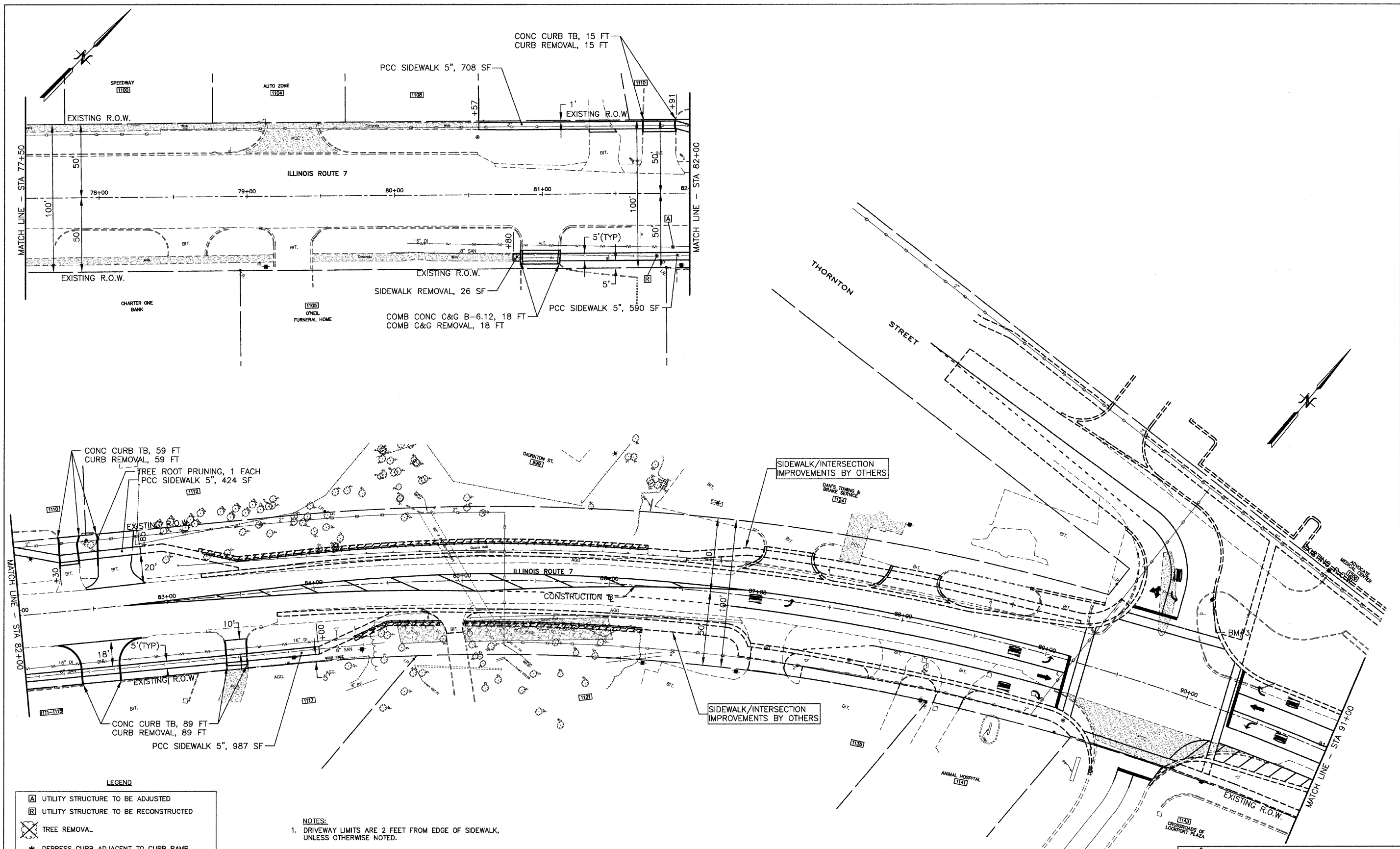
**GEOMETRIC PLAN
 F.A.P. ROUTE 351 (IL ROUTE 7)**

SCALE: 1"=30' SHEET NO. 8 OF 41 SHEETS STA. 59+50 TO STA. 77+50

JJB JAMES J. BENES & ASSOCIATES, INC.
 950 Warrenville Road, Suite 101, Lisle, Illinois 60532
 Tel. (630) 719-7570 • Fax (630) 719-7589

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	09-00063-00-SW	WILL	41	8

CONTRACT NO. 6.3438
 ILLINOIS FED. AID PROJECT



LEGEND

[A]	UTILITY STRUCTURE TO BE ADJUSTED
[R]	UTILITY STRUCTURE TO BE RECONSTRUCTED
[X]	TREE REMOVAL
[*]	DEPRESS CURB ADJACENT TO CURB RAMP AND INSTALL DETECTABLE WARNINGS ON RAMP
[X]	SIDEWALK REMOVAL

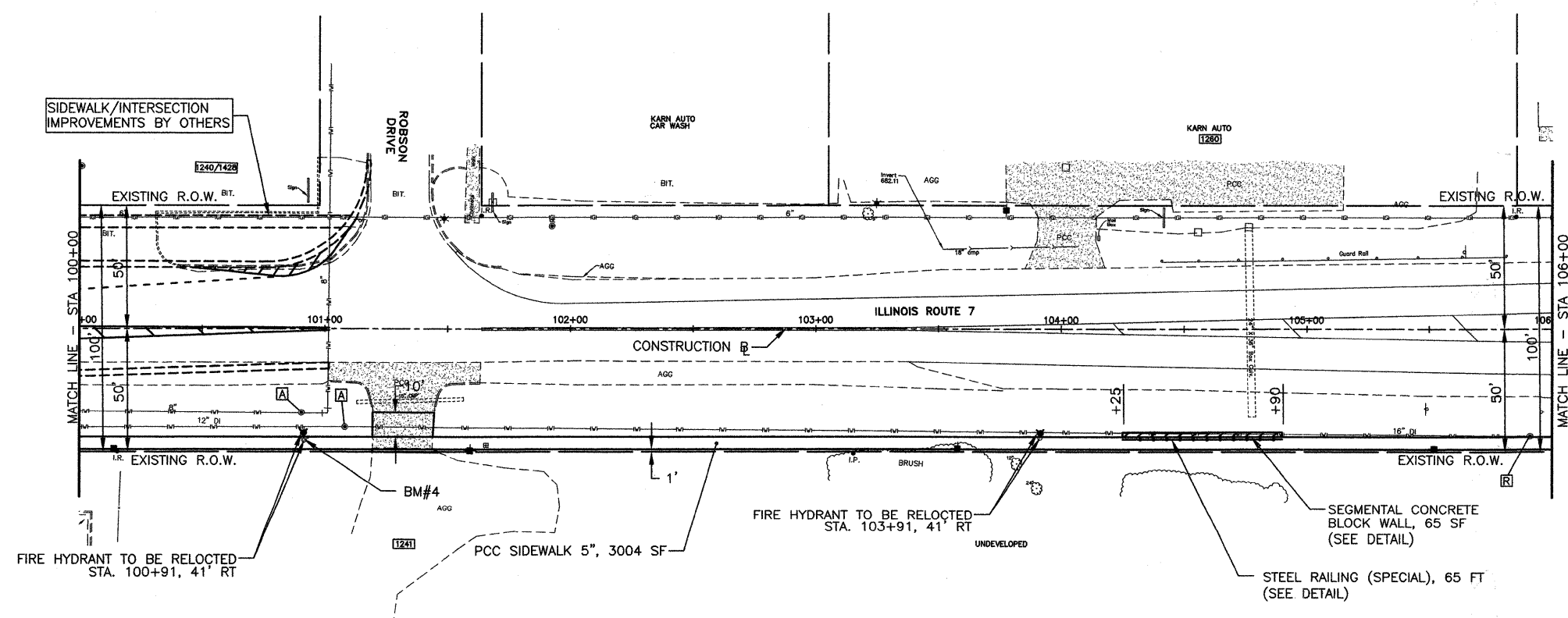
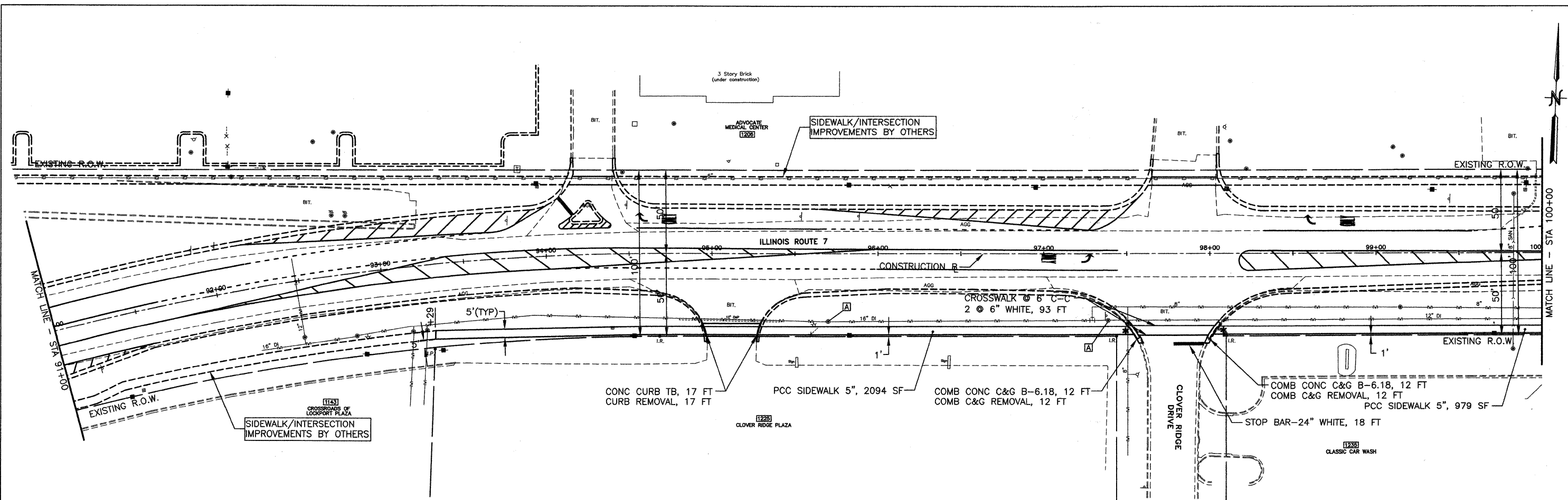
NOTES:
 1. DRIVEWAY LIMITS ARE 2 FEET FROM EDGE OF SIDEWALK, UNLESS OTHERWISE NOTED.

FILE NAME =	USER NAME =	DESIGNED — BDH	REVISED —
		DRAWN — BCD	REVISED —
		CHECKED — BDH	REVISED —
		DATE — 11-06-09	REVISED —

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GEOMETRIC PLAN
 F.A.P. ROUTE 351 (IL ROUTE 7)**
 SCALE: 1"=30' SHEET NO. 9 OF 41 SHEETS STA. 77+50 TO STA. 91+00

JJB	JAMES J. BENES & ASSOCIATES, INC.		
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F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS
351	09-0063-00-SW	WILL	41
CONTRACT NO. 63438			SHEET NO. 9
ILLINOIS FED. AID PROJECT			



LEGEND

[A]	UTILITY STRUCTURE TO BE ADJUSTED
[R]	UTILITY STRUCTURE TO BE RECONSTRUCTED
[X]	TREE REMOVAL
*	DEPRESS CURB ADJACENT TO CURB RAMP AND INSTALL DETECTABLE WARNINGS ON RAMPS
[X]	SIDEWALK REMOVAL

NOTES:
 1. DRIVEWAY LIMITS ARE 2 FEET FROM EDGE OF SIDEWALK, UNLESS OTHERWISE NOTED.

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 950 Warrenville Road, Suite 101, Lisle, Illinois 60532
 Tel. (630) 719-7570 • Fax (630) 719-7589

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	09-0063-00-SW	WILL	41	10
				CONTRACT NO. 63438

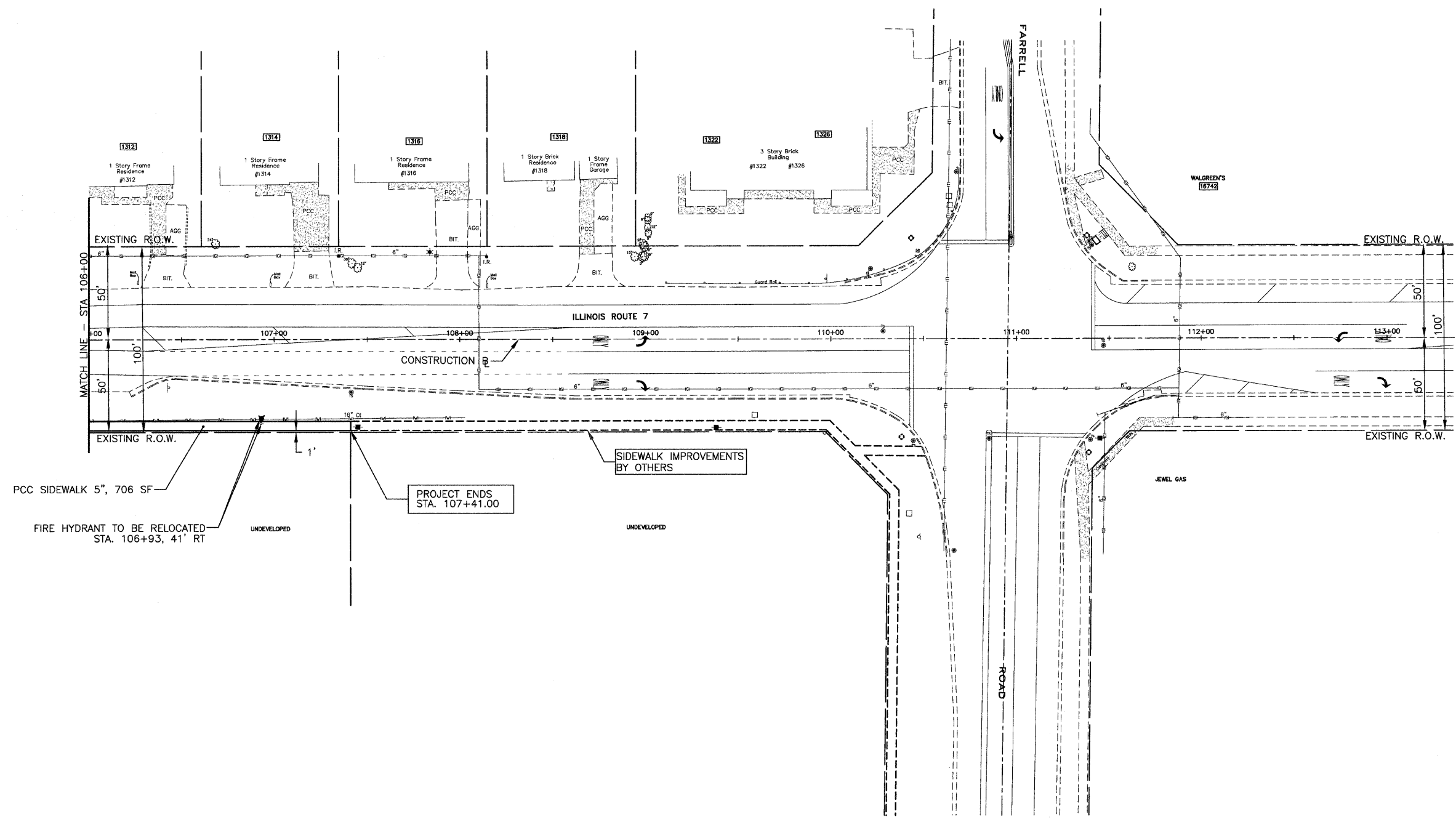
ILLINOIS FED. AID PROJECT

FILE NAME =	USER NAME =	DESIGNED -- BDH	REVISED --
		DRAWN -- BCD	REVISED --
		CHECKED -- BDH	REVISED --
		DATE -- 11-06-09	REVISED --

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**GEOMETRIC PLAN
 F.A.P. ROUTE 351 (IL ROUTE 7)**

SCALE: 1"=30' SHEET NO. 10 OF 41 SHEETS STA. 91+00 TO STA. 106+00



PCC SIDEWALK 5", 706 SF

FIRE HYDRANT TO BE RELOCATED STA. 106+93, 41' RT

UNDEVELOPED

PROJECT ENDS STA. 107+41.00

UNDEVELOPED

SIDEWALK IMPROVEMENTS BY OTHERS

LEGEND

	UTILITY STRUCTURE TO BE ADJUSTED
	UTILITY STRUCTURE TO BE RECONSTRUCTED
	TREE REMOVAL
	DEPRESS CURB ADJACENT TO CURB RAMP AND INSTALL DETECTABLE WARNINGS ON RAMP
	SIDEWALK REMOVAL

NOTES:

1. DRIVEWAY LIMITS ARE 2 FEET FROM EDGE OF SIDEWALK, UNLESS OTHERWISE NOTED.

FILE NAME =	USER NAME =	DESIGNED — BDH	REVISED —
		DRAWN — BCD	REVISED —
		CHECKED — BDH	REVISED —
		DATE — 11-06-09	REVISED —

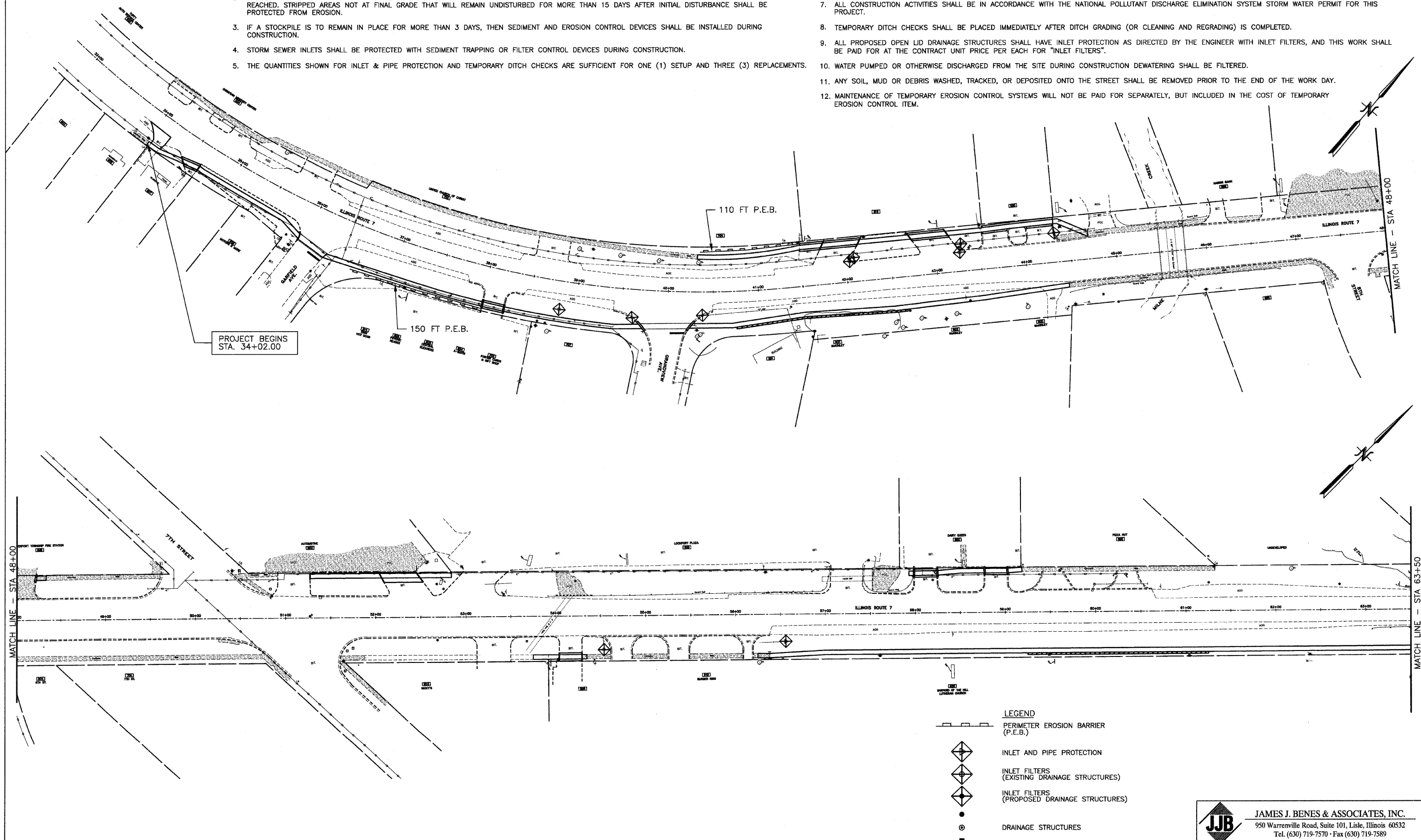
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GEOMETRIC PLAN		
F.A.P. ROUTE 351 (IL ROUTE 7)		
SCALE: 1"=30'	SHEET NO. 11 OF 41 SHEETS	STA. 106+00 TO STA. 113+00

	JAMES J. BENES & ASSOCIATES, INC.			
	950 Warrenville Road, Suite 101, Lisle, Illinois 60532 Tel. (630) 719-7570 • Fax (630) 719-7589			
F.A.P. RTE. 351	SECTION 09-00063-00-SW	COUNTY WILL	TOTAL SHEETS 41	SHEET NO. 11
			CONTRACT NO. 63438	
ILLINOIS FED. AID PROJECT				

TEMPORARY EROSION CONTROL NOTES

1. SEDIMENT AND EROSION CONTROL DEVICES SHALL BE FUNCTIONAL BEFORE LAND IS OTHERWISE DISTURBED ON THE SITE.
2. THE SURFACE OF STRIPPED AREAS SHALL BE PERMANENTLY OR TEMPORARILY PROTECTED FROM SOIL EROSION WITHIN 15 DAYS AFTER FINAL GRADE IS REACHED. STRIPPED AREAS NOT AT FINAL GRADE THAT WILL REMAIN UNDISTURBED FOR MORE THAN 15 DAYS AFTER INITIAL DISTURBANCE SHALL BE PROTECTED FROM EROSION.
3. IF A STOCKPILE IS TO REMAIN IN PLACE FOR MORE THAN 3 DAYS, THEN SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSTALLED DURING CONSTRUCTION.
4. STORM SEWER INLETS SHALL BE PROTECTED WITH SEDIMENT TRAPPING OR FILTER CONTROL DEVICES DURING CONSTRUCTION.
5. THE QUANTITIES SHOWN FOR INLET & PIPE PROTECTION AND TEMPORARY DITCH CHECKS ARE SUFFICIENT FOR ONE (1) SETUP AND THREE (3) REPLACEMENTS.
6. THE CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES IN SERVICEABLE CONDITION AT ALL TIMES. EROSION CONTROL MEASURES WILL BE INSPECTED WITHIN 24 HOURS OF ANY STORM EXCEEDING 0.5 INCHES OF PRECIPITATION.
7. ALL CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM STORM WATER PERMIT FOR THIS PROJECT.
8. TEMPORARY DITCH CHECKS SHALL BE PLACED IMMEDIATELY AFTER DITCH GRADING (OR CLEANING AND REGRADING) IS COMPLETED.
9. ALL PROPOSED OPEN LID DRAINAGE STRUCTURES SHALL HAVE INLET PROTECTION AS DIRECTED BY THE ENGINEER WITH INLET FILTERS, AND THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "INLET FILTERS".
10. WATER PUMPED OR OTHERWISE DISCHARGED FROM THE SITE DURING CONSTRUCTION DEWATERING SHALL BE FILTERED.
11. ANY SOIL, MUD OR DEBRIS WASHED, TRACKED, OR DEPOSITED ONTO THE STREET SHALL BE REMOVED PRIOR TO THE END OF THE WORK DAY.
12. MAINTENANCE OF TEMPORARY EROSION CONTROL SYSTEMS WILL NOT BE PAID FOR SEPARATELY, BUT INCLUDED IN THE COST OF TEMPORARY EROSION CONTROL ITEM.



FILE NAME =	USER NAME =	DESIGNED — BDH	REVISED —
		DRAWN — SMP	REVISED —
		CHECKED — BDH	REVISED —
		DATE — 11-06-09	REVISED —

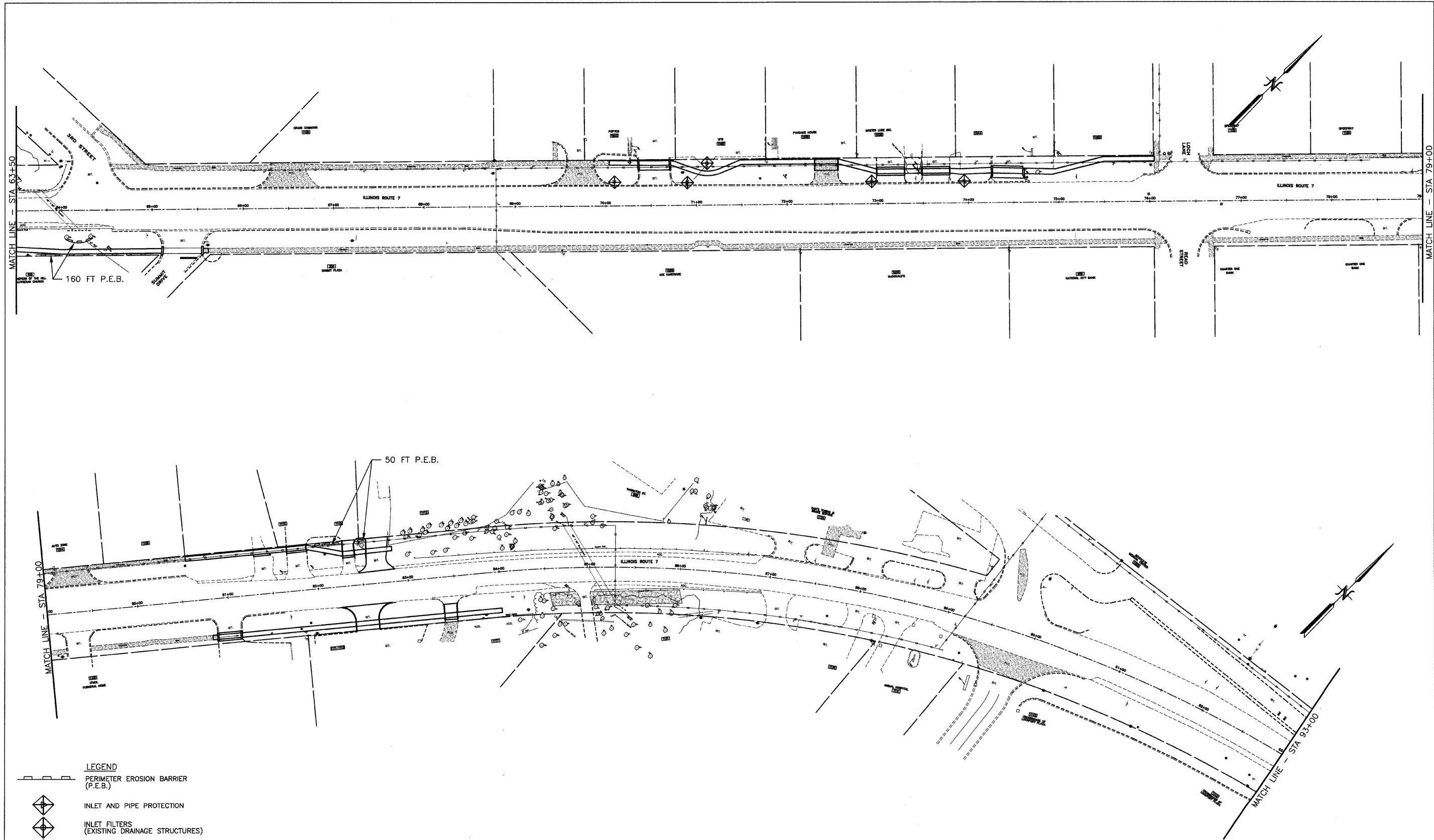
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STORM WATER POLLUTION PREVENTION PLAN
F.A.P. ROUTE 351 (IL ROUTE 7)

SCALE: 1"=50' SHEET NO. 12 OF 41 SHEETS STA. 33+00 TO STA. 63+50

JJB JAMES J. BENES & ASSOCIATES, INC.
950 Warrenville Road, Suite 101, Lisle, Illinois 60532
Tel. (630) 719-7570 • Fax (630) 719-7589

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	09-00063-00-SW	WILL	41	12
CONTRACT NO. 63438				
ILLINOIS FED. AID PROJECT				



- LEGEND**
- PERIMETER EROSION BARRIER (P.E.B.)
 - INLET AND PIPE PROTECTION
 - INLET FILTERS (EXISTING DRAINAGE STRUCTURES)
 - INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)
 - DRAINAGE STRUCTURES

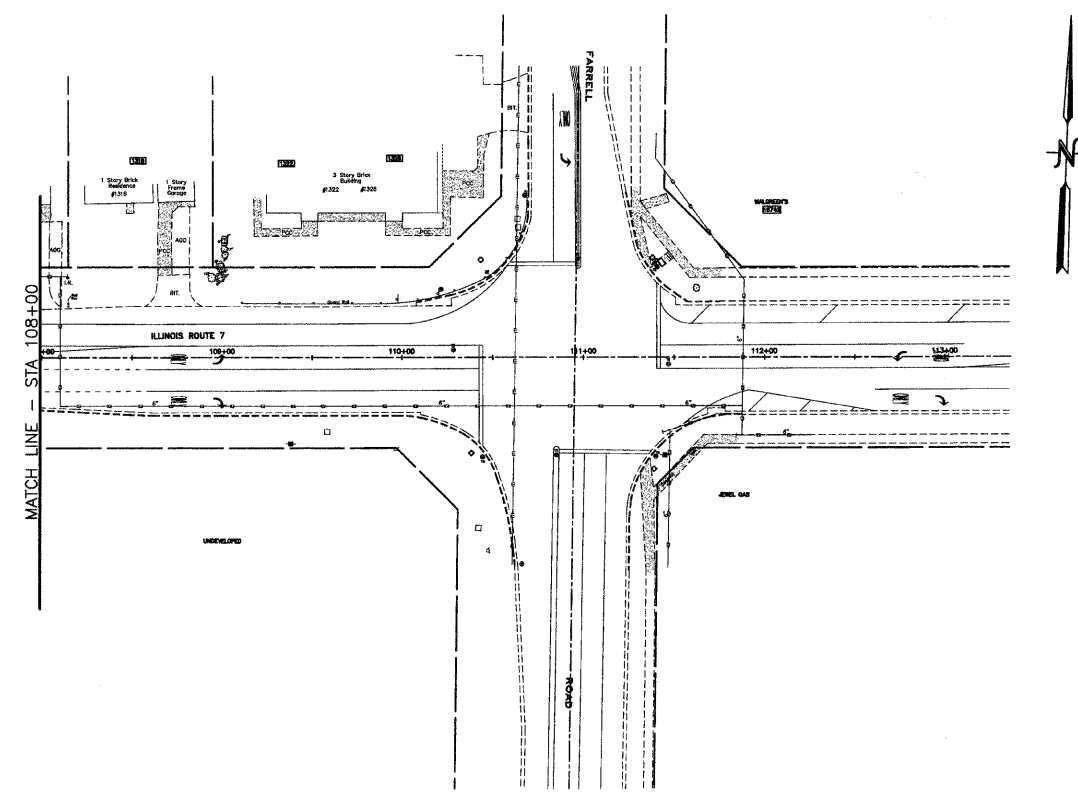
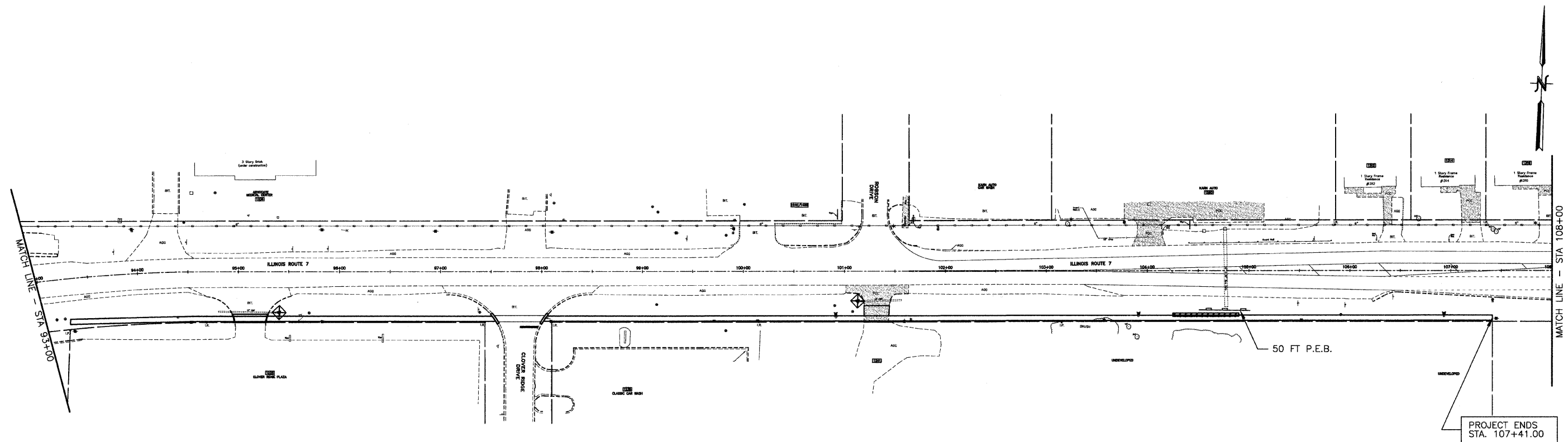
FILE NAME =	USER NAME =	DESIGNED — BDH	REVISED —
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		CHECKED — BDH	REVISED —
		DATE — 11-06-09	REVISED —

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STORM WATER POLLUTION PREVENTION PLAN
F.A.P. ROUTE 351 (IL ROUTE 7)**

SCALE: 1"=50' SHEET NO. 13 OF 41 SHEETS STA. 63+50 TO STA. 93+00

	JAMES J. BENES & ASSOCIATES, INC. 950 Warrenville Road, Suite 101, Lisle, Illinois 60532 Tel. (630) 719-7570 • Fax (630) 719-7589			
	F.A.P. R.T.E. 351	SECTION 09-00063-00-SW	COUNTY WILL	TOTAL SHEETS 41
			CONTRACT NO. 63438	
ILLINOIS FED. AID PROJECT				



- LEGEND**
- PERIMETER EROSION BARRIER (P.E.B.)
 - INLET AND PIPE PROTECTION
 - INLET FILTERS (EXISTING DRAINAGE STRUCTURES)
 - INLET FILTERS (PROPOSED DRAINAGE STRUCTURES)
 - DRAINAGE STRUCTURES

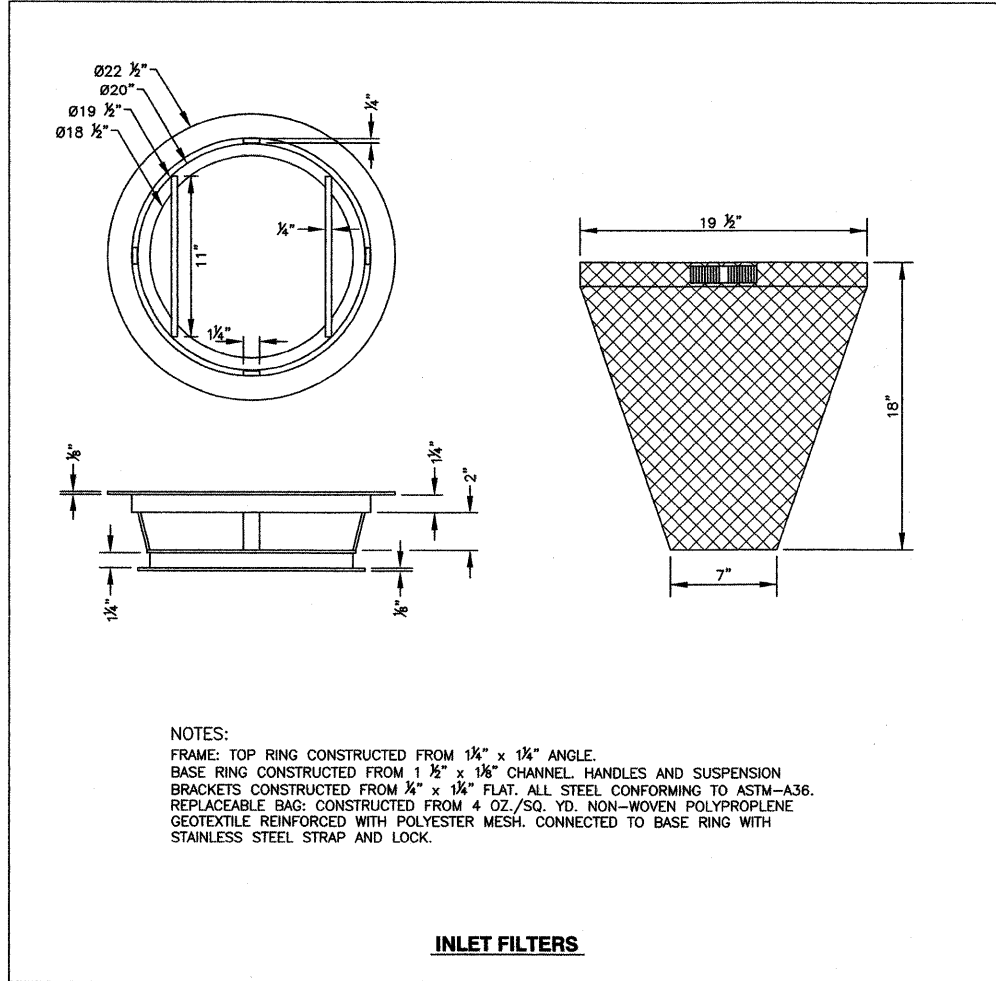
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	PLOT DATE =	DATE — 11-06-09	REVISED —

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

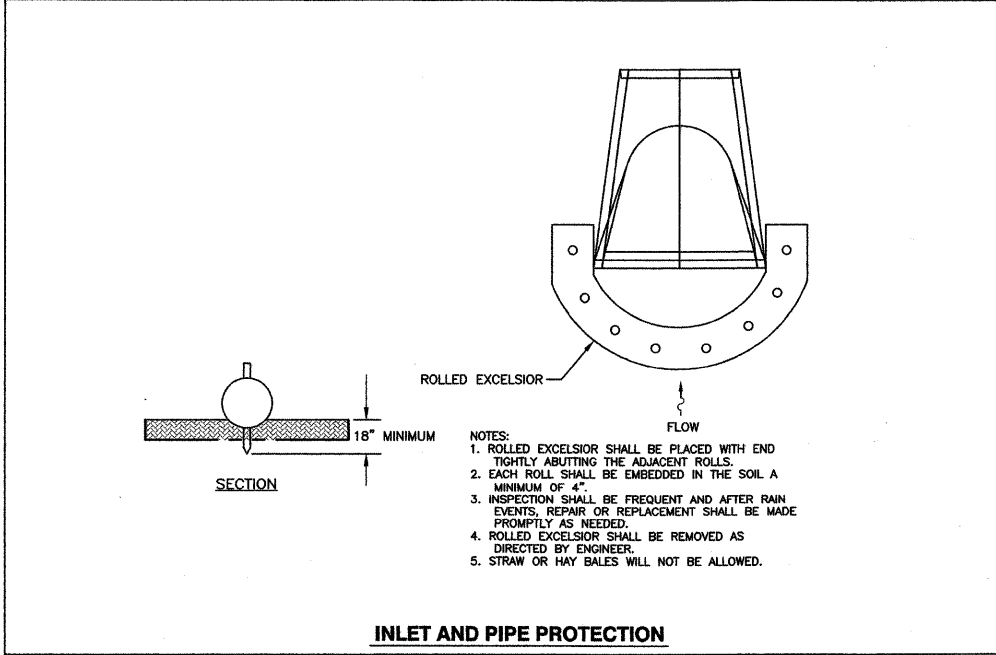
**STORM WATER POLLUTION PREVENTION PLAN
F.A.P. ROUTE 351 (IL ROUTE 7)**

SCALE: 1"=50' SHEET NO. 14 OF 41 SHEETS STA. 93+00 TO STA. 113+00

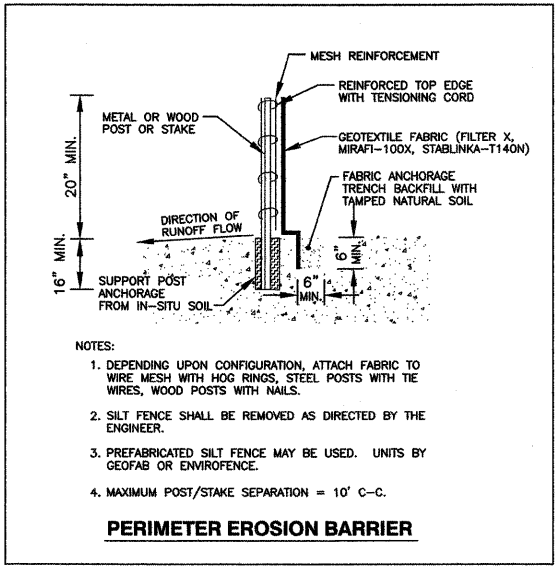
	JAMES J. BENES & ASSOCIATES, INC. 950 Warrenville Road, Suite 101, Lisle, Illinois 60532 Tel. (630) 719-7570 • Fax (630) 719-7589			
	F.A.P. RTE. 351	SECTION 09-00063-00-SW	COUNTY WILL	TOTAL SHEETS 41
			CONTRACT NO. 63438	
ILLINOIS FED. AID PROJECT				



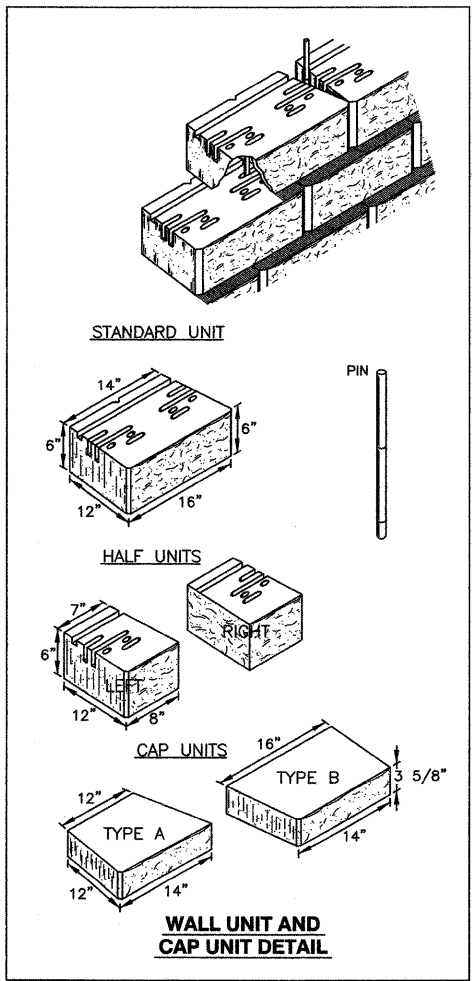
INLET FILTERS



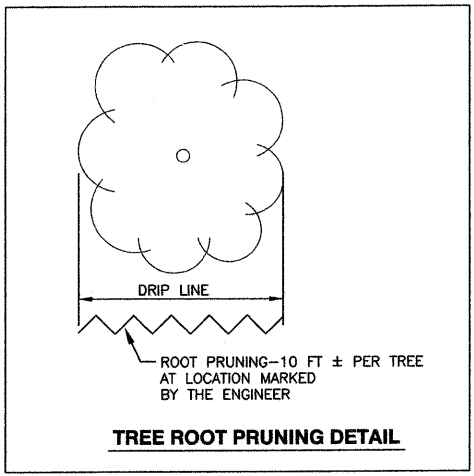
INLET AND PIPE PROTECTION



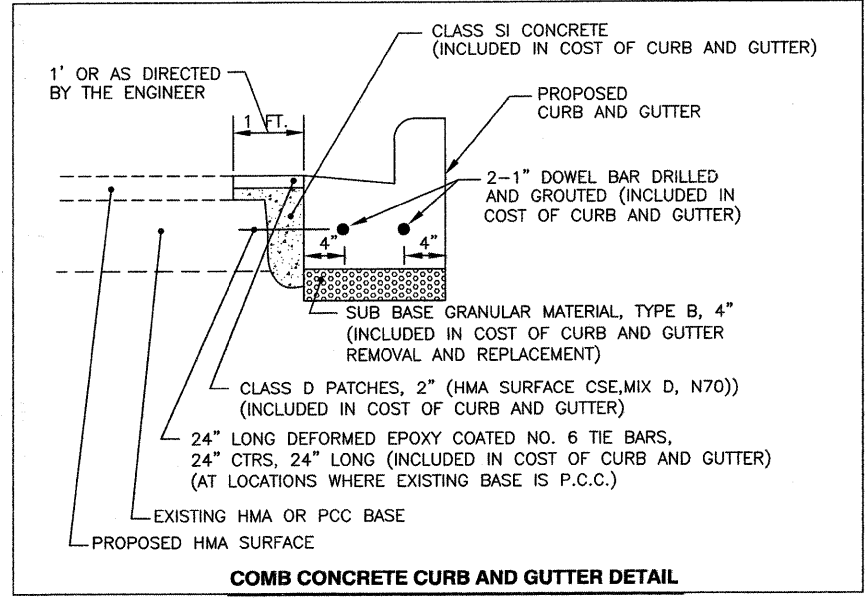
PERIMETER EROSION BARRIER



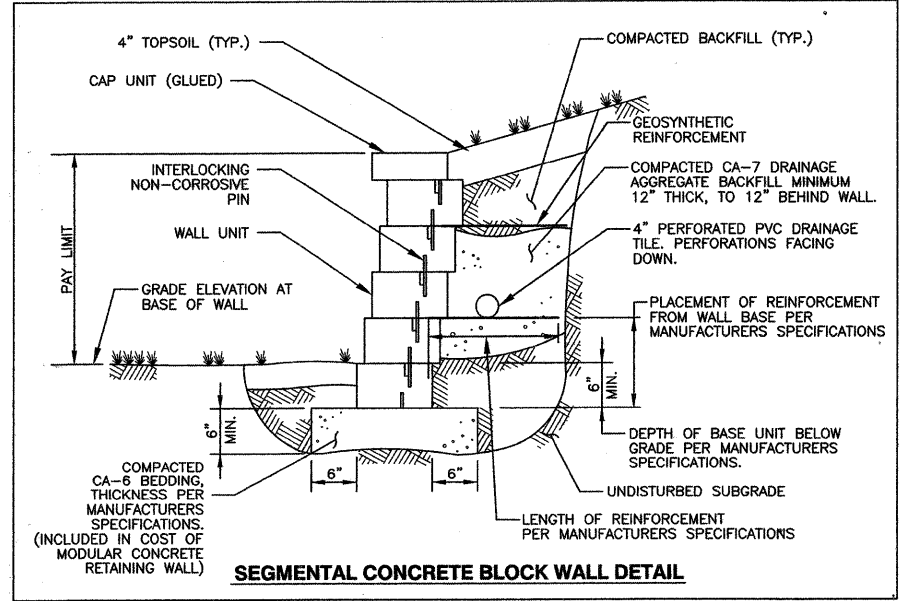
WALL UNIT AND CAP UNIT DETAIL



TREE ROOT PRUNING DETAIL



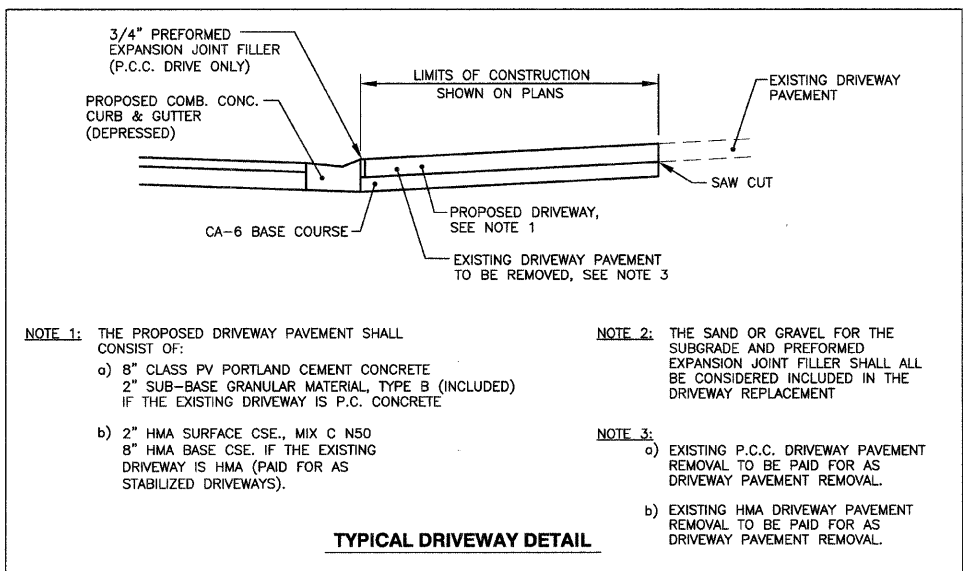
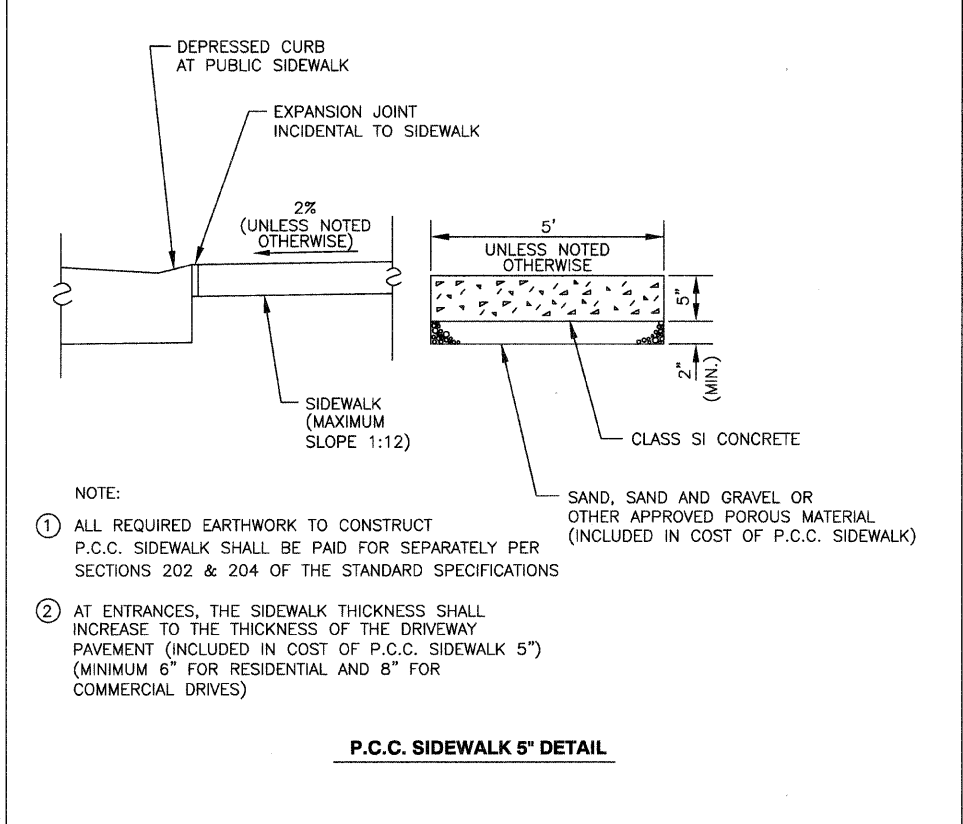
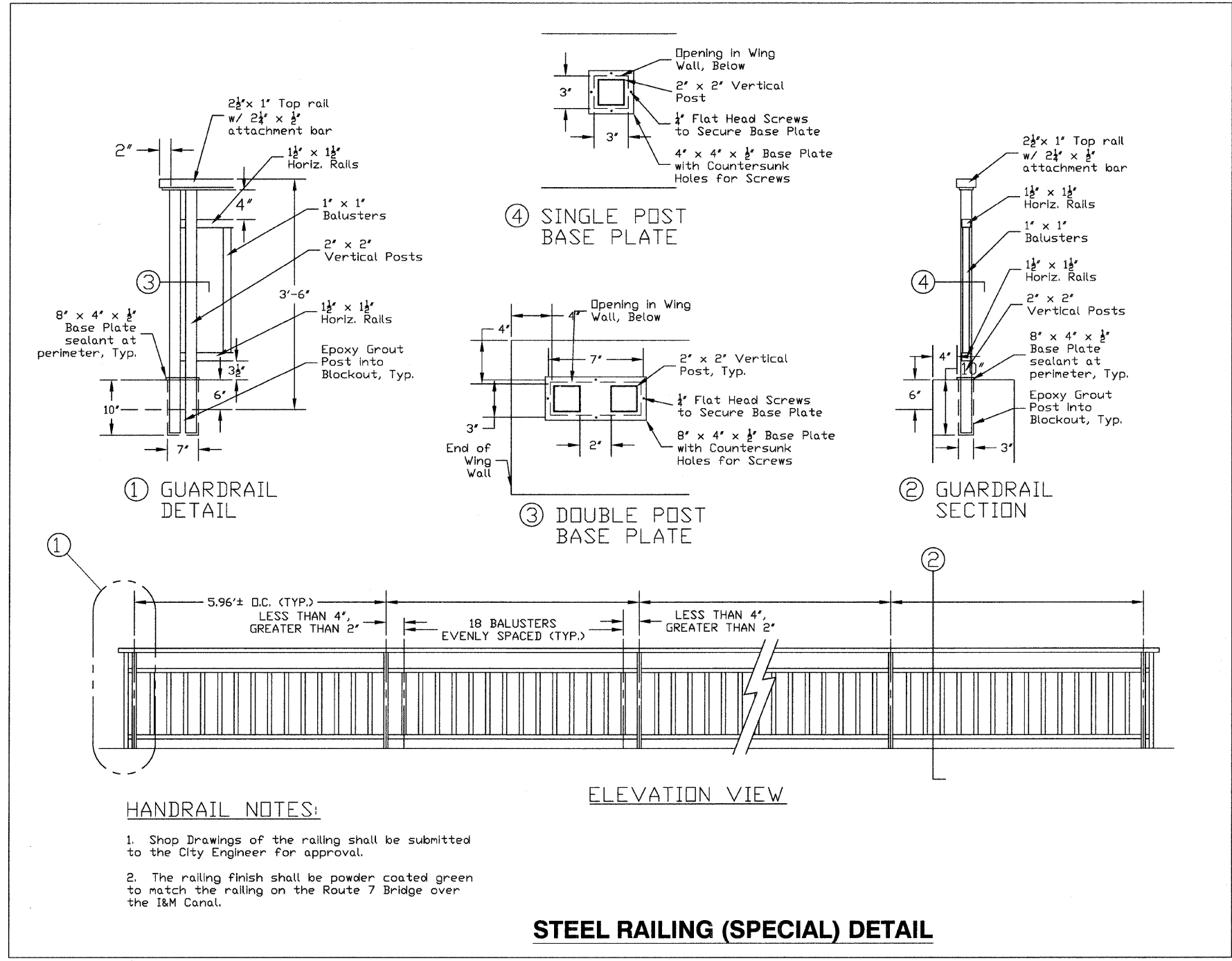
COMB CONCRETE CURB AND GUTTER DETAIL



SEGMENTAL CONCRETE BLOCK WALL DETAIL

JJB JAMES J. BENES & ASSOCIATES, INC.
 950 Warrenville Road, Suite 101, Lisle, Illinois 60532
 Tel. (630) 719-7570 • Fax (630) 719-7589

FILE NAME =	USER NAME =	DESIGNED — BDH	REVISED —	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONSTRUCTION DETAILS F.A.P. ROUTE 351 (IL ROUTE 7)				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN — SMP	REVISED —		351	09-00063-00-SW	WILL	41	15				
		CHECKED — BDH	REVISED —		SCALE: NONE SHEET NO. 15 OF 41 SHEETS STA. _____ TO STA. _____				CONTRACT NO. 63438				
		DATE — 11-06-09	REVISED —		ILLINOIS FED. AID PROJECT								



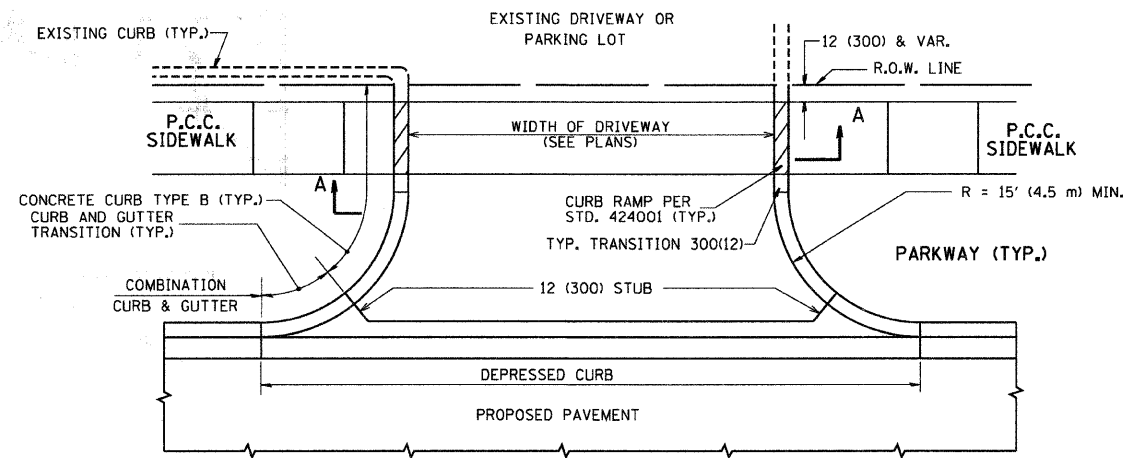
JJB JAMES J. BENES & ASSOCIATES, INC. 950 Warrenville Road, Suite 101, Lisle, Illinois 60532 Tel. (630) 719-7570 · Fax (630) 719-7589				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	09-00063-00-SW	WILL	41	16
CONTRACT NO. 63438			ILLINOIS FED. AID PROJECT	

FILE NAME =	USER NAME =	DESIGNED — BDH	REVISED —
		DRAWN — SMP	REVISED —
	PLOT SCALE =	CHECKED — BDH	REVISED —
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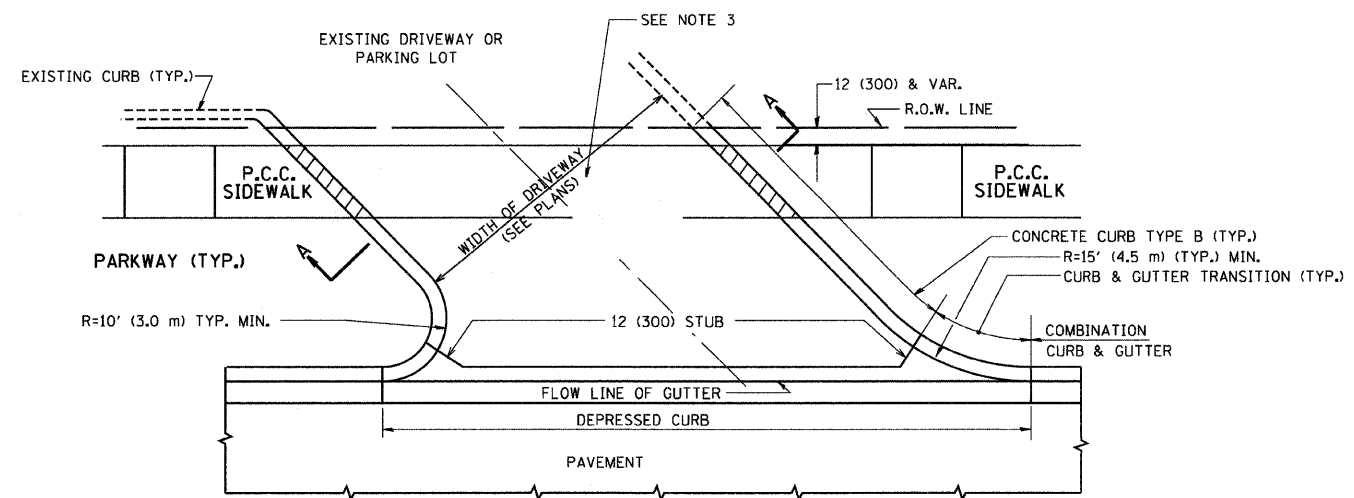
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION DETAILS
F.A.P. ROUTE 351 (IL ROUTE 7)**

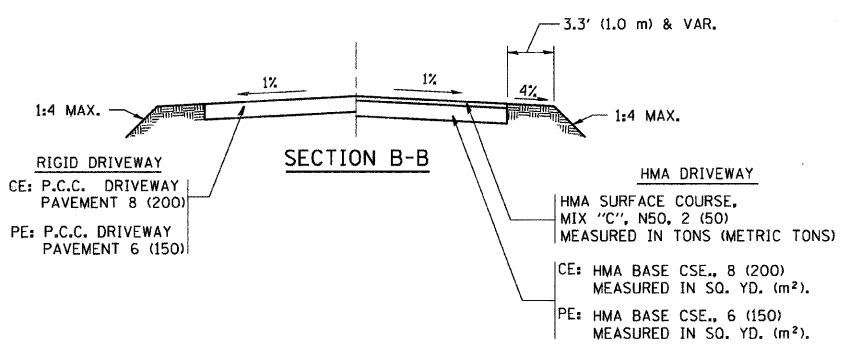
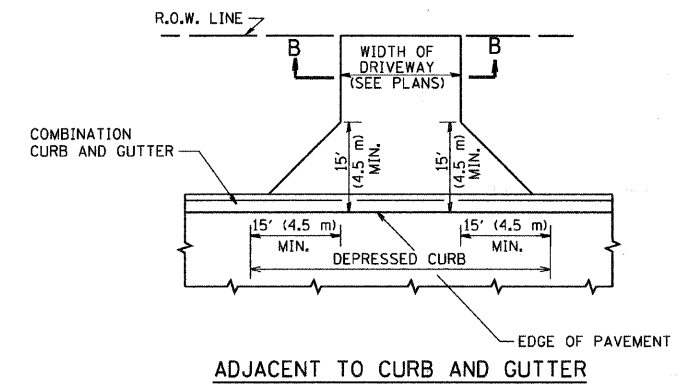
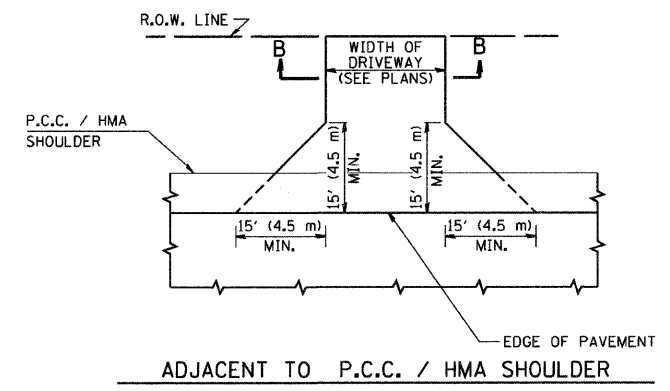
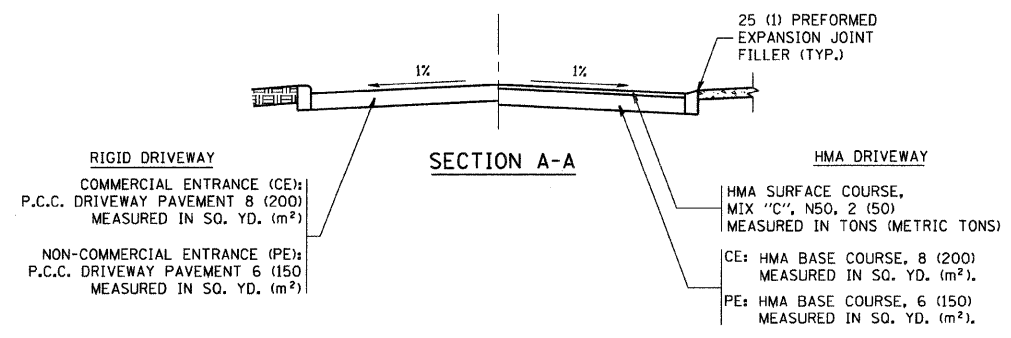
SCALE: NONE SHEET NO. 16 OF 41 SHEETS STA. _____ TO STA. _____



WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



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.

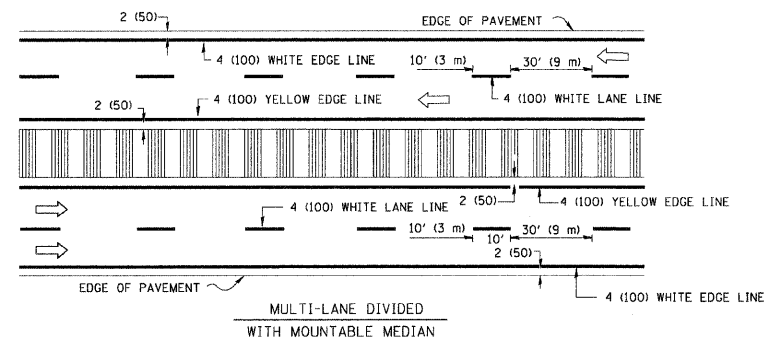
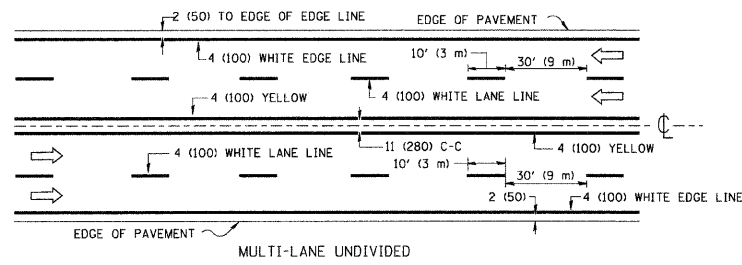
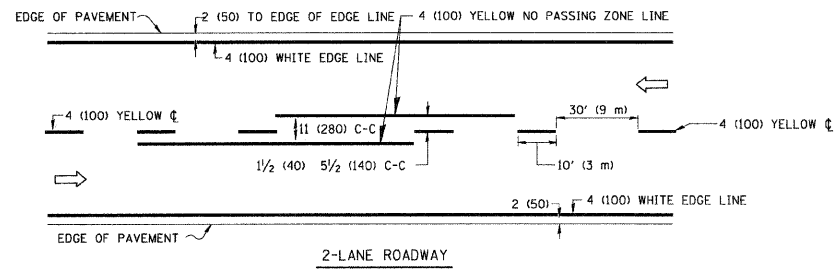
WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

FILE NAME = c:\projects\diststd22x34\bd01.dgn	USER NAME = beurd1	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01
		DRAWN -	REVISED - P. LOFLUER 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

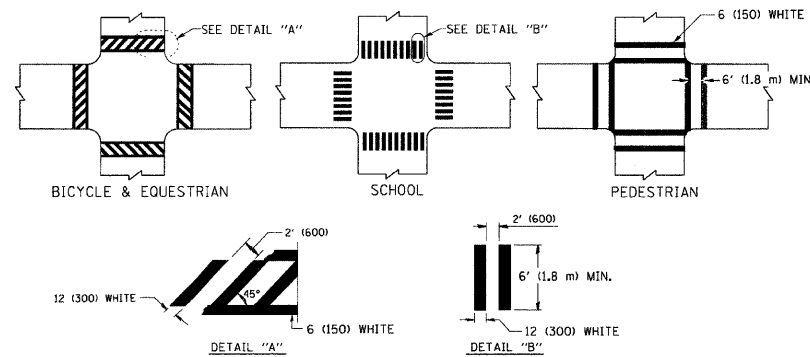
DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W.
AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	09-00063-00-SW	WILL	41	17
BD0156-07 (BD-01)			CONTRACT NO. 63438	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

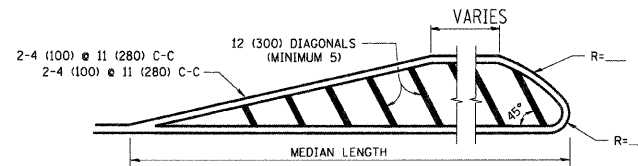
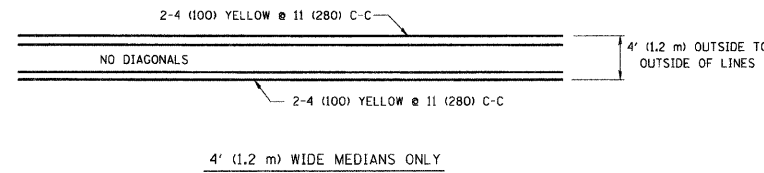


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

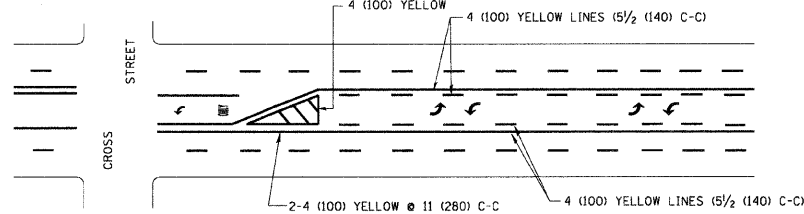


TYPICAL CROSSWALK MARKING

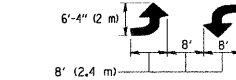


FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.
DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

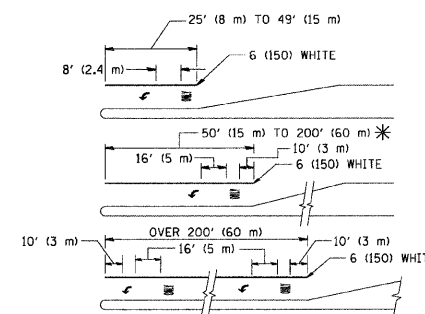


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

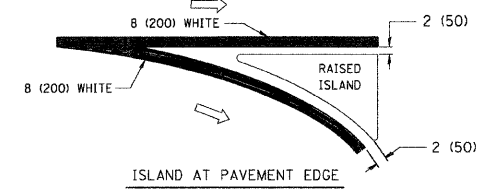
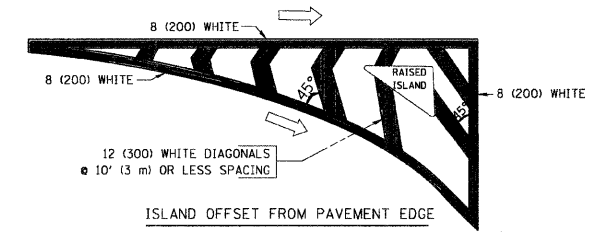


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
* AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

* 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



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	5/2 (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; 5/2 (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" 15 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))

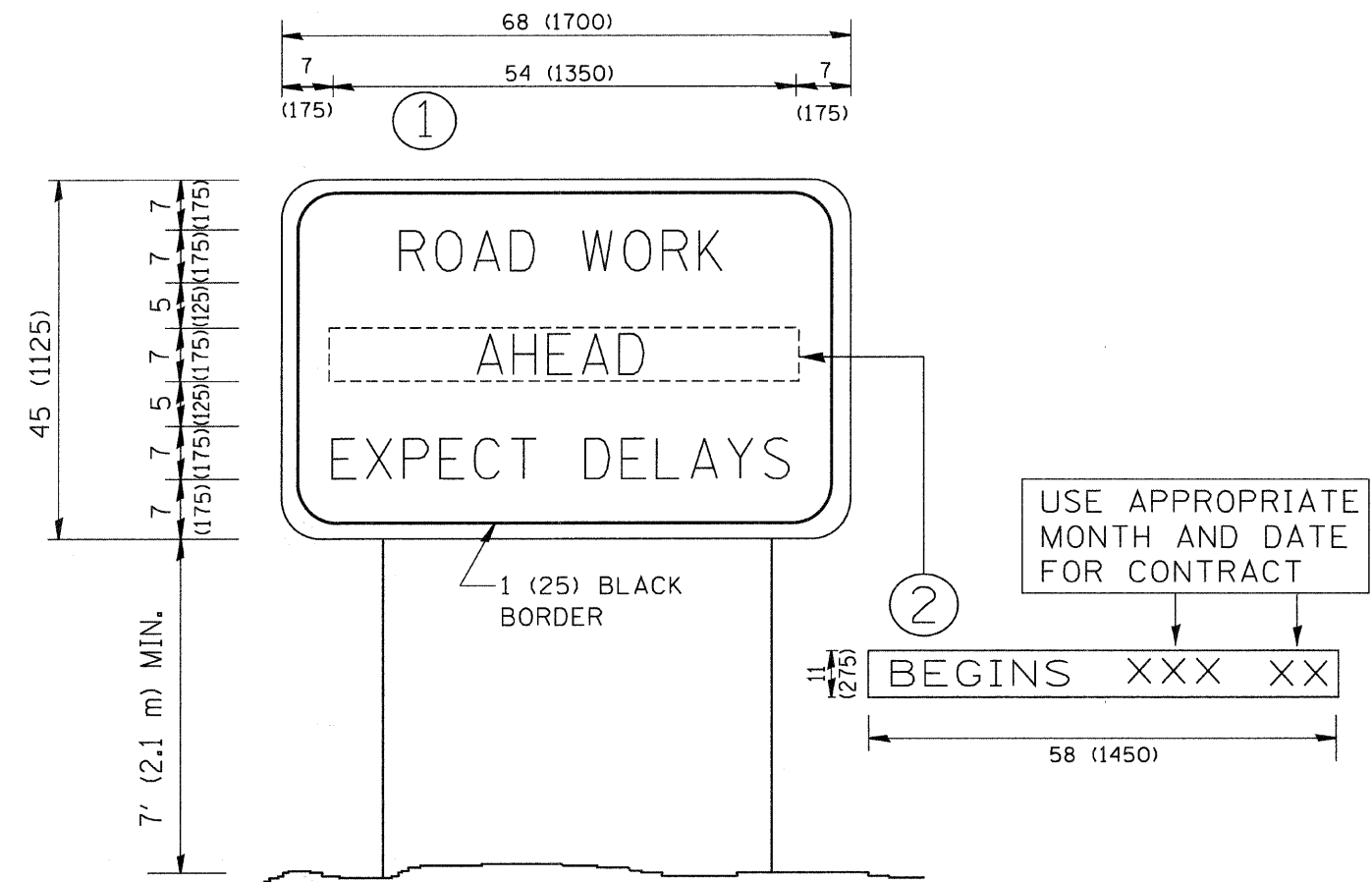
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

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	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		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS		351	09-00063-00-SW	WILL	41	18
SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA.	TO STA.	
		TC-13		CONTRACT NO. 63438		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						

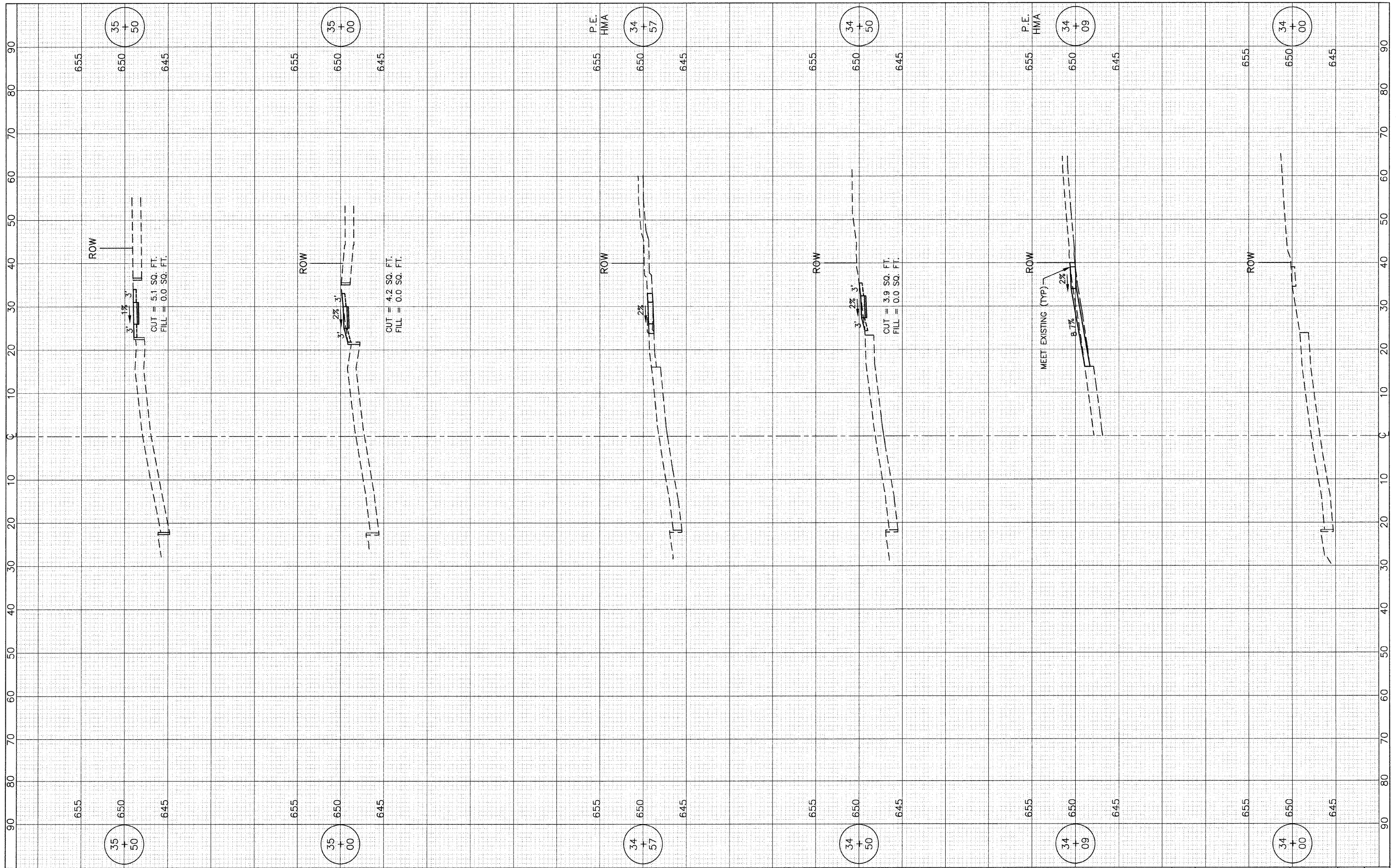


NOTES:

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:\distatd\22x34\to22.dgn	USER NAME = geglienobt	DESIGNED - DRAWN -	REVISED - REVISED -	R. MIRS 09-15-97 R. MIRS 12-11-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN		F.A.P. RTE. 351	SECTION 09-0063-00-SW	COUNTY	TOTAL SHEETS 41	SHEET NO. 19
PLOT SCALE = 58.000' / IN.	CHECKED -	REVISED -	T. RAMMACHER 02-02-99	SCALE: NONE		SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	TC-22		CONTRACT NO. 63438	
PLOT DATE = 1/4/2008	DATE -	REVISED -	C. JUCIUS 01-31-07	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT								

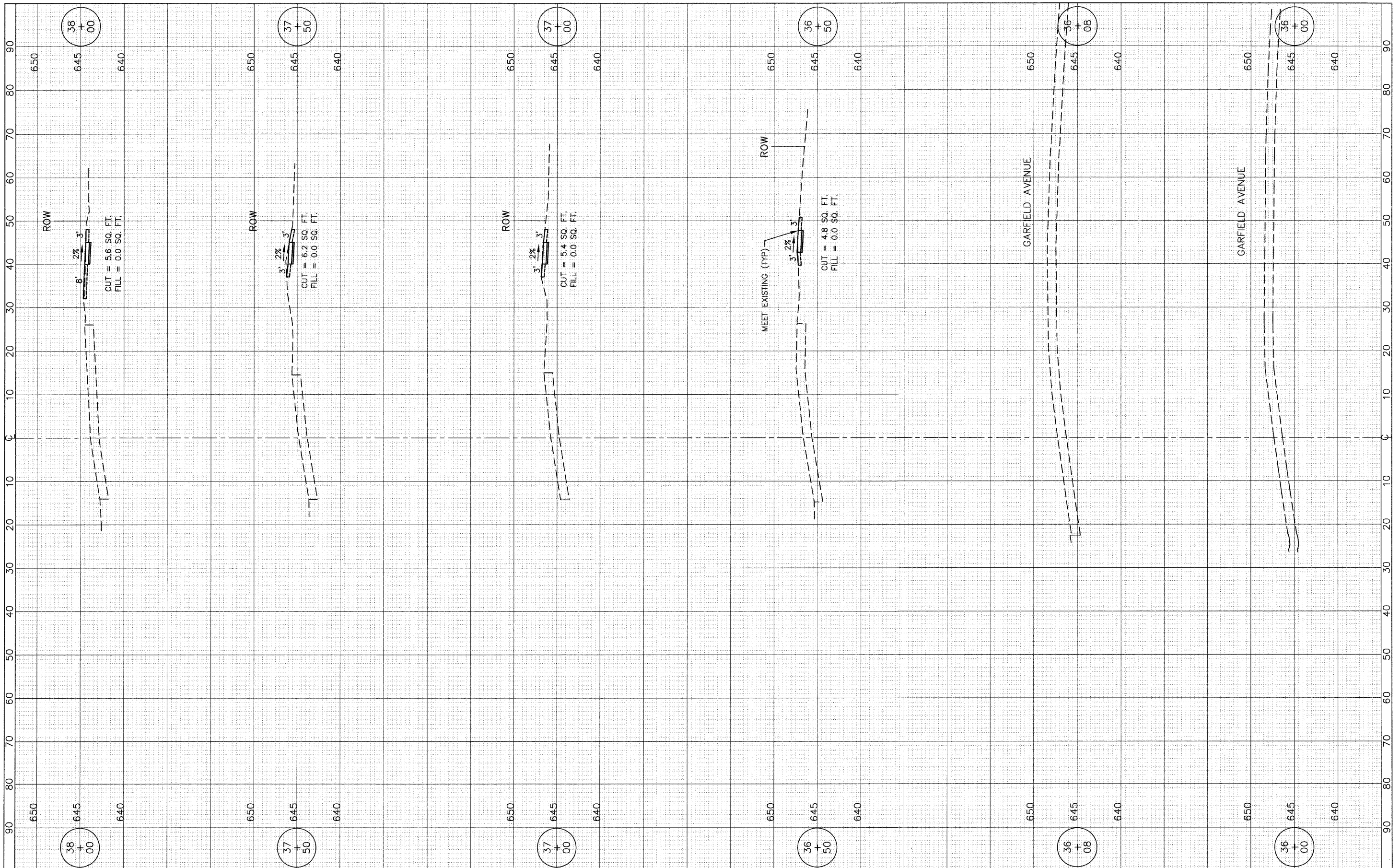


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	PLOT DATE =	DATE - 11-06-09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS F.A.P. ROUTE 351 (IL ROUTE 7)		
SCALE: -	SHEET NO. 20 OF 41 SHEETS	STA. 34+00 TO STA. 35+50

F.A.P. RTE. 351	SECTION 09-00063-00-SW	COUNTY WILL	TOTAL SHEETS 41	SHEET NO. 20
ILLINOIS FED. AID PROJECT			CONTRACT NO. 63438	



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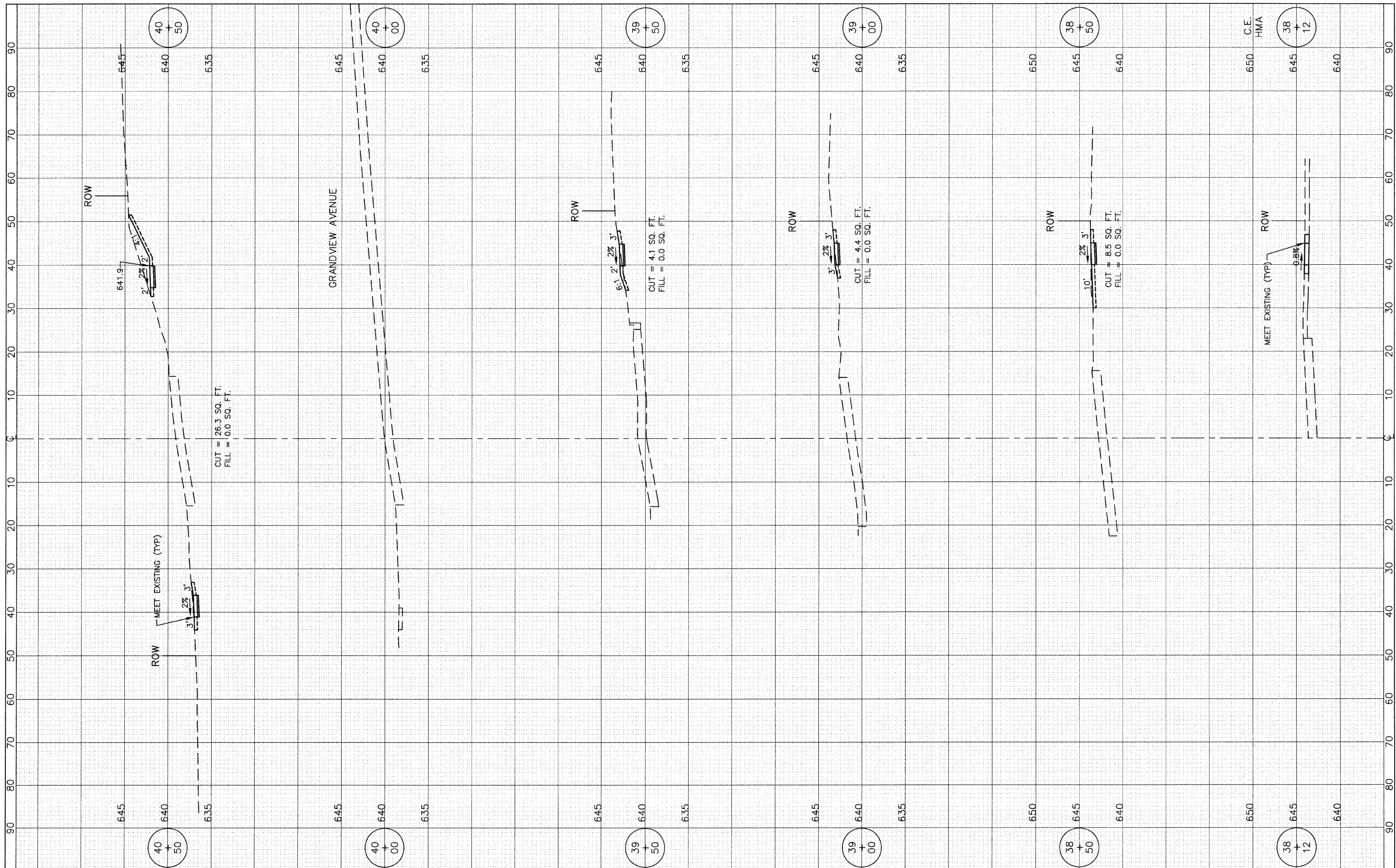
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

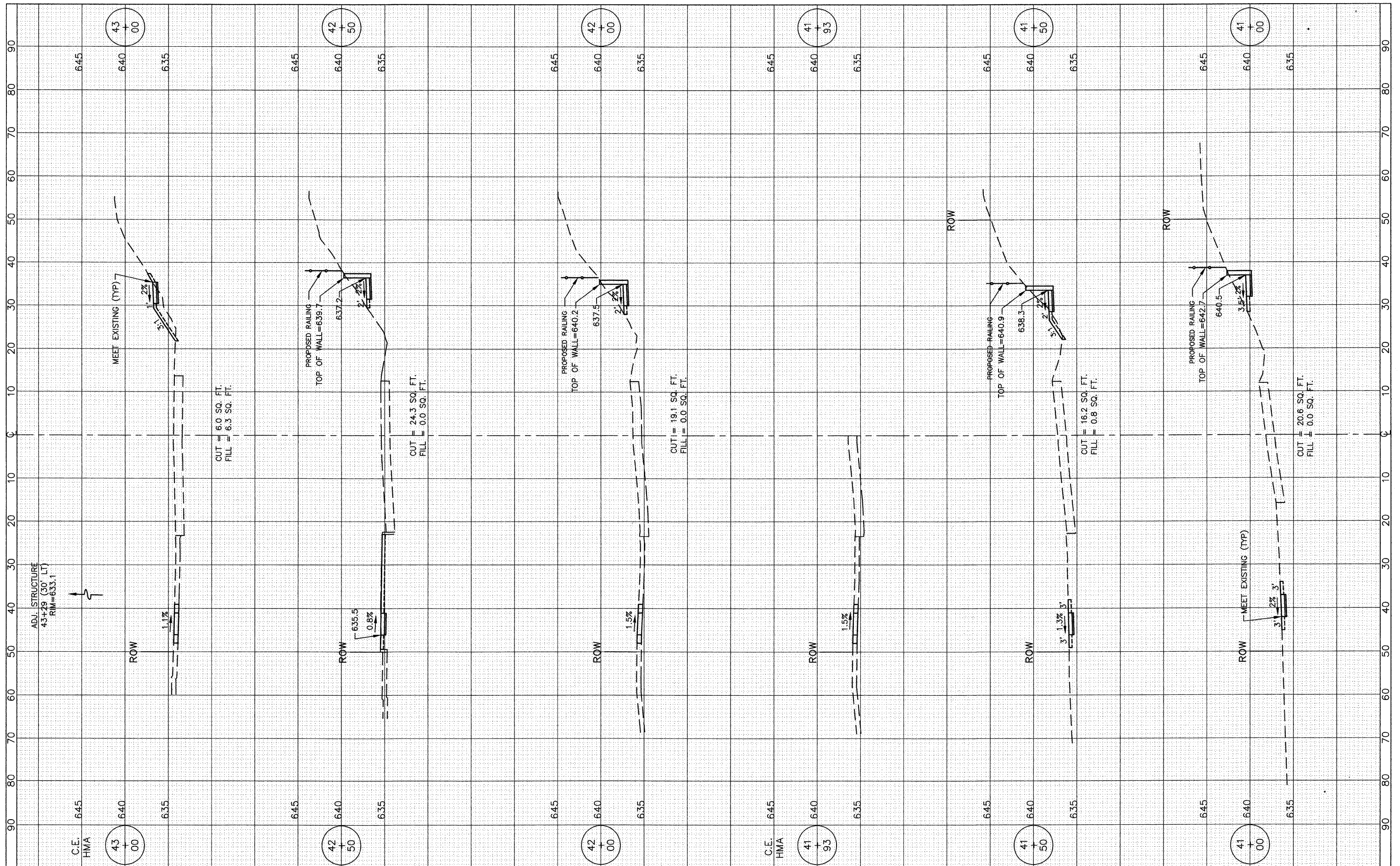
**CROSS SECTIONS
F.A.P. ROUTE 351 (IL ROUTE 7)**

SCALE: -- SHEET NO. 21 OF 41 SHEETS STA. 36+00 TO STA. 38+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	09-00063-00-SW	WILL	41	21
ILLINOIS FED. AID PROJECT			CONTRACT NO. 63438	



FILE NAME =	USER NAME =	DESIGNED -- BDH	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS F.A.P. ROUTE 351 (IL ROUTE 7)		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE: 1"=10' HOR, 1"=5' VERT.	CHECKED -- BDH	REVISED --		351	09-00063-00-SW	WILL	41	22		
	PLOT DATE =	DATE -- 11-06-09	REVISED --		SCALE: --		SHEET NO. 22 OF 41 SHEETS	STA. 38+12 TO STA. 40+50	CONTRACT NO. 63438		
					ILLINOIS FED. AID PROJECT						



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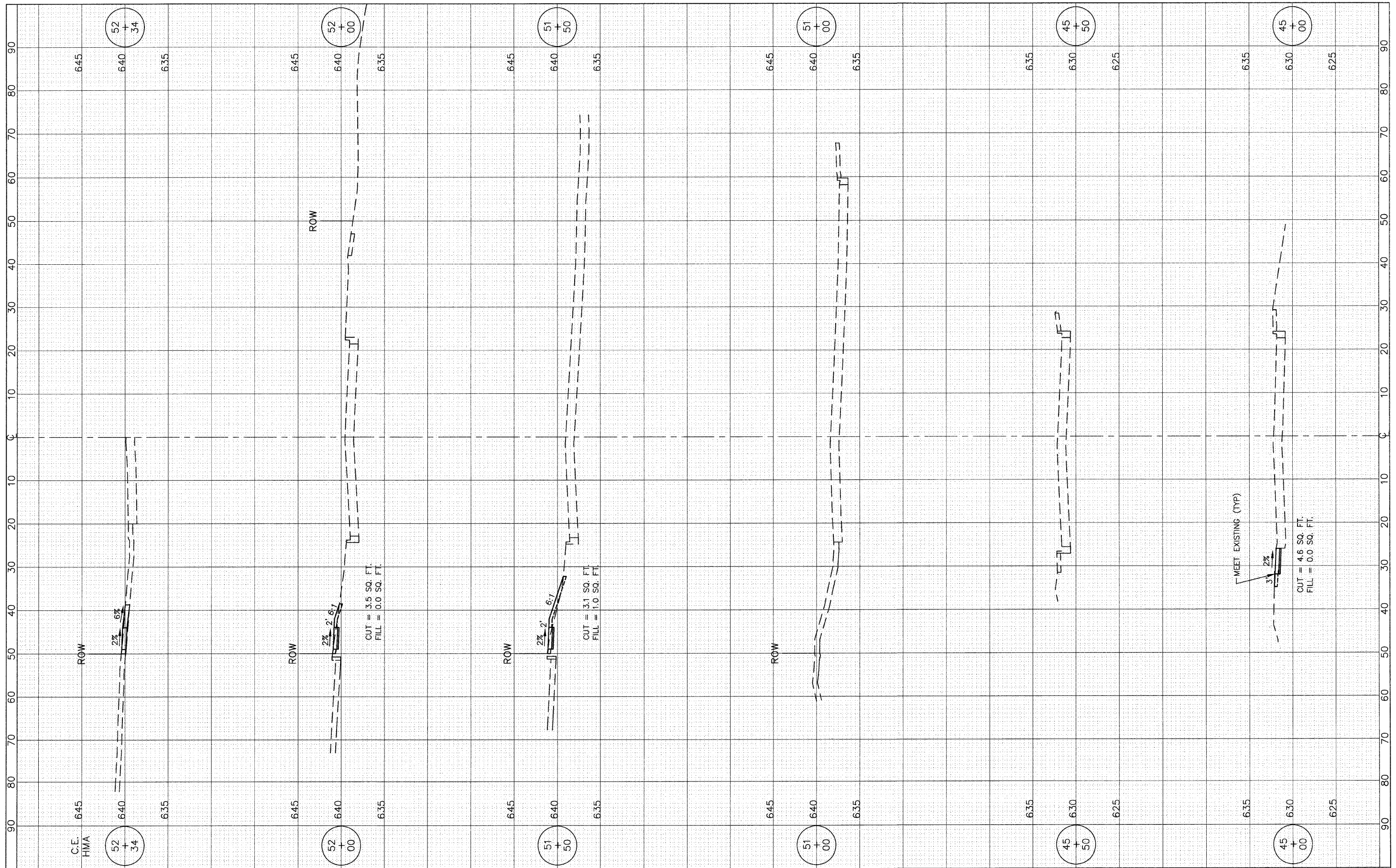
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.P. ROUTE 351 (IL ROUTE 7)**

SCALE: - SHEET NO. 23 OF 41 SHEETS STA. 41+00 TO STA. 43+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	09-0063-00-SW	WILL	41	23
CONTRACT NO. 63438			ILLINOIS FED. AID PROJECT	



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 C.E. HMA
 52+34

USER NAME =
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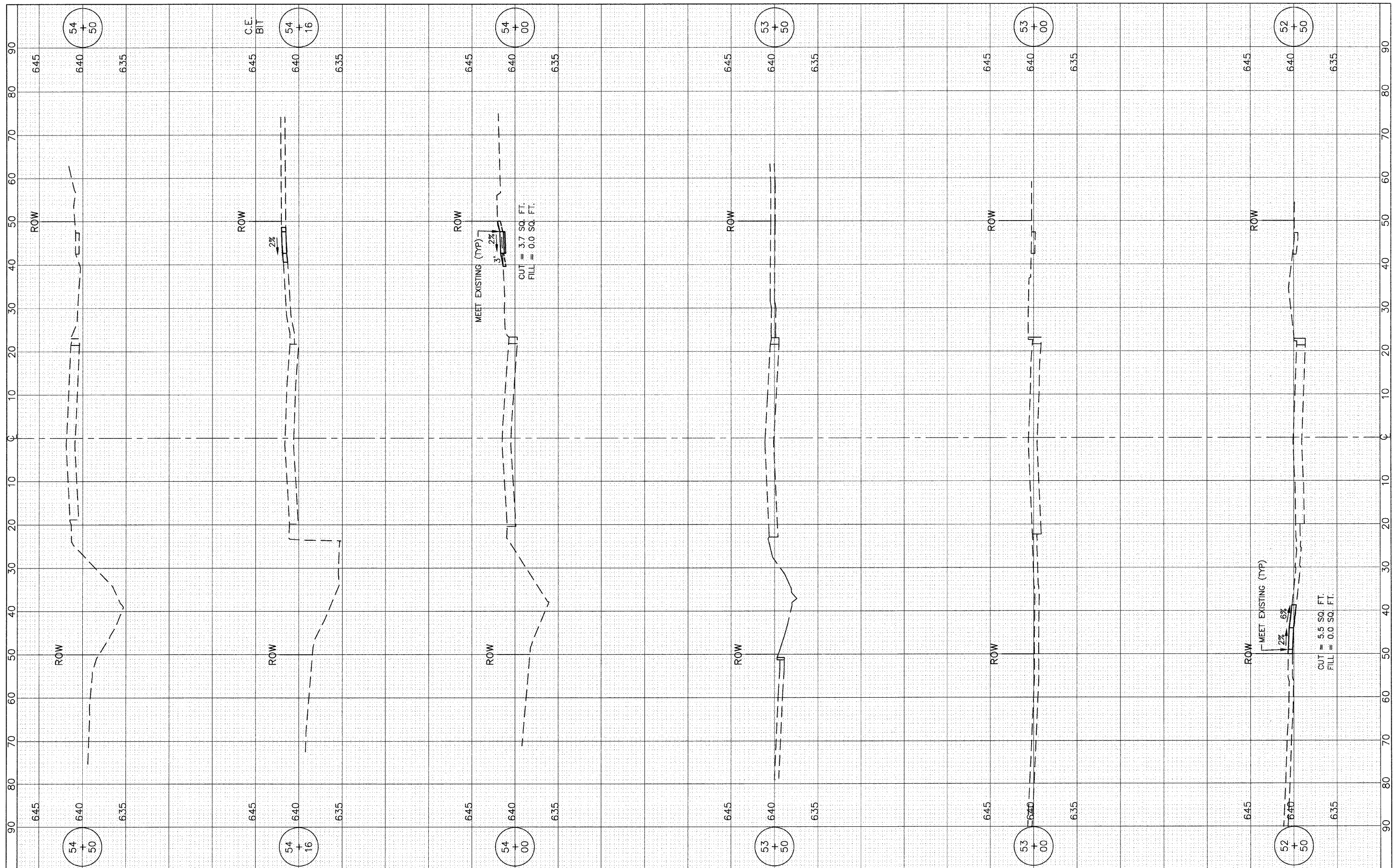
DESIGNED - BDH
 DRAWN - BCD
 CHECKED - BDH
 DATE - 11-06-09

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.P. ROUTE 351 (IL ROUTE 7)**
 SCALE: - SHEET NO. 25 OF 41 SHEETS STA. 45+00 TO STA. 52+34

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	09-00063-00-SW	WILL	41	25
CONTRACT NO. 63438			ILLINOIS FED. AID PROJECT	



FILE NAME =

USER NAME =

PLOT SCALE: 1"=10' HOR, 1"=5' VERT.

PLOT DATE =

DESIGNED -- BDH

DRAWN -- BCD

CHECKED -- BDH

DATE -- 11-06-09

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

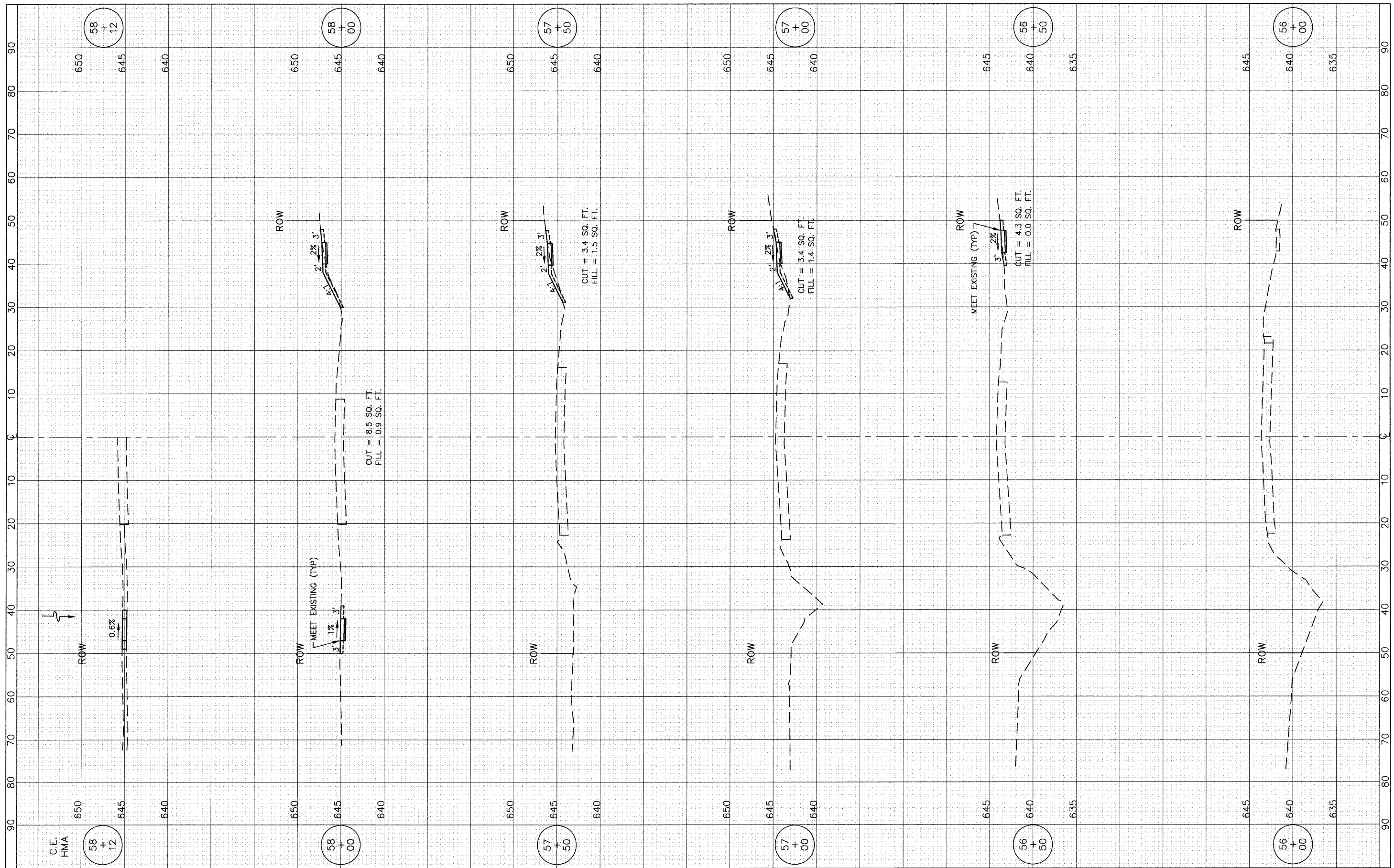
CROSS SECTIONS
F.A.P. ROUTE 351 (IL ROUTE 7)

SCALE: --

SHEET NO. 26 OF 41 SHEETS

STA. 52+50 TO STA. 64+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	09-00063-00-SW	WILL	41	26
			CONTRACT NO. 63438	
ILLINOIS FED. AID PROJECT				



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 58+12

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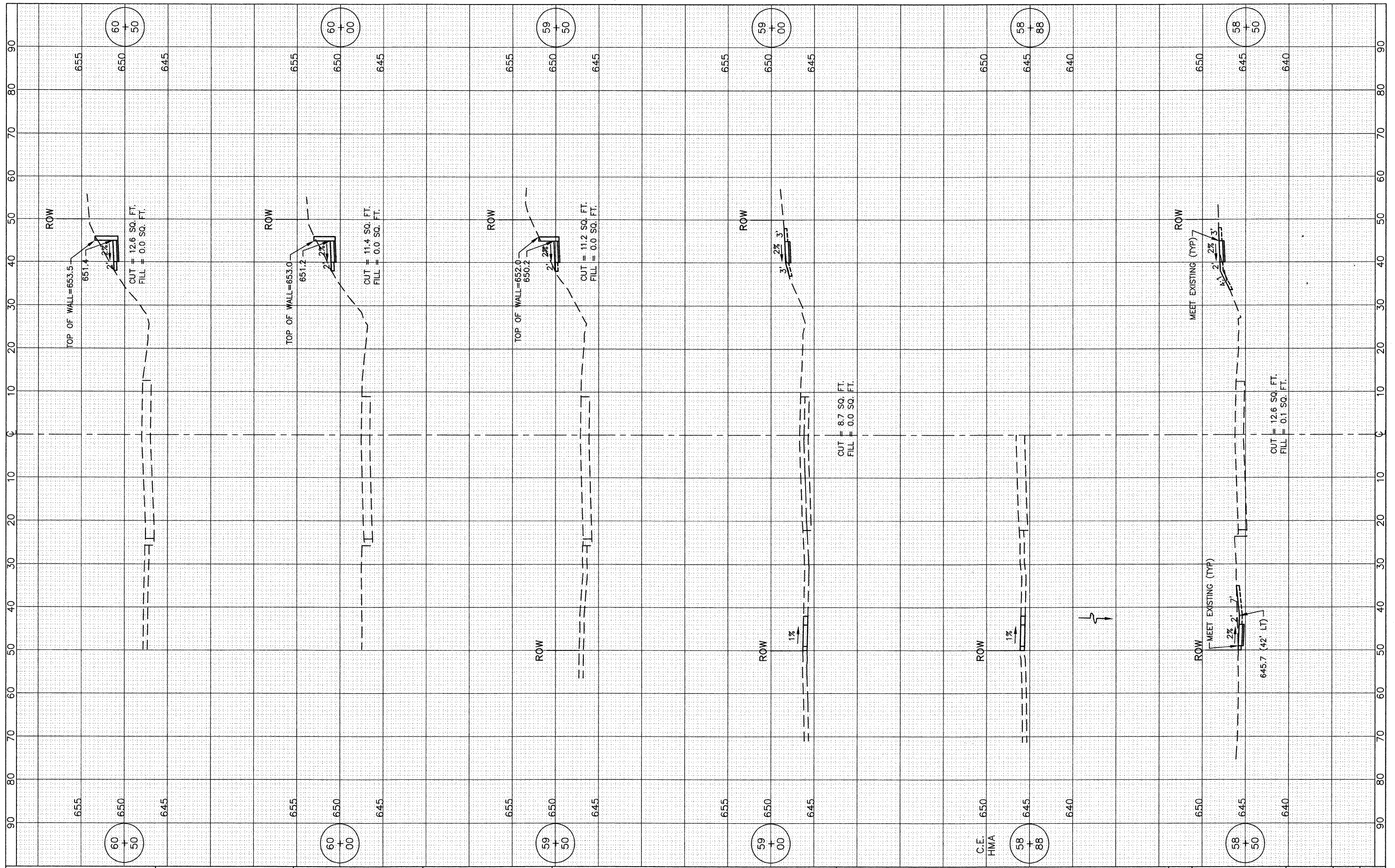
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.P. ROUTE 351 (IL ROUTE 7)**
 SCALE: - SHEET NO. 27 OF 41 SHEETS STA. 56+00 TO STA. 58+12

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	09-00063-00-SW	WILL	41	27
ILLINOIS FED. AID PROJECT			CONTRACT NO. 63438	



FILE NAME =
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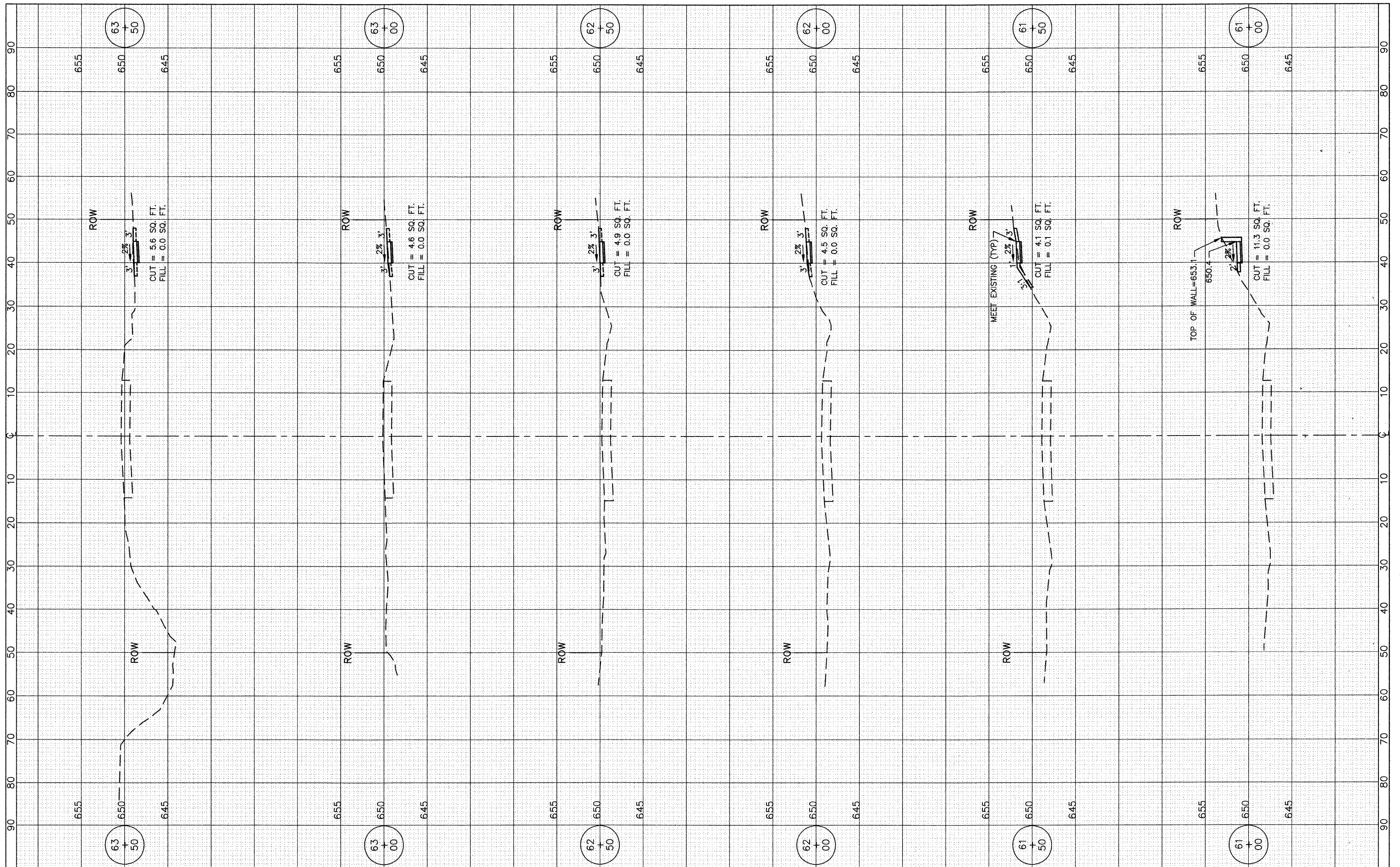
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.P. ROUTE 351 (IL ROUTE 7)**

SCALE: - SHEET NO. 28 OF 41 SHEETS STA. 58+50 TO STA. 60+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	09-00063-00-SW	WILL	41	28
CONTRACT NO. 63438			ILLINOIS FED. AID PROJECT	



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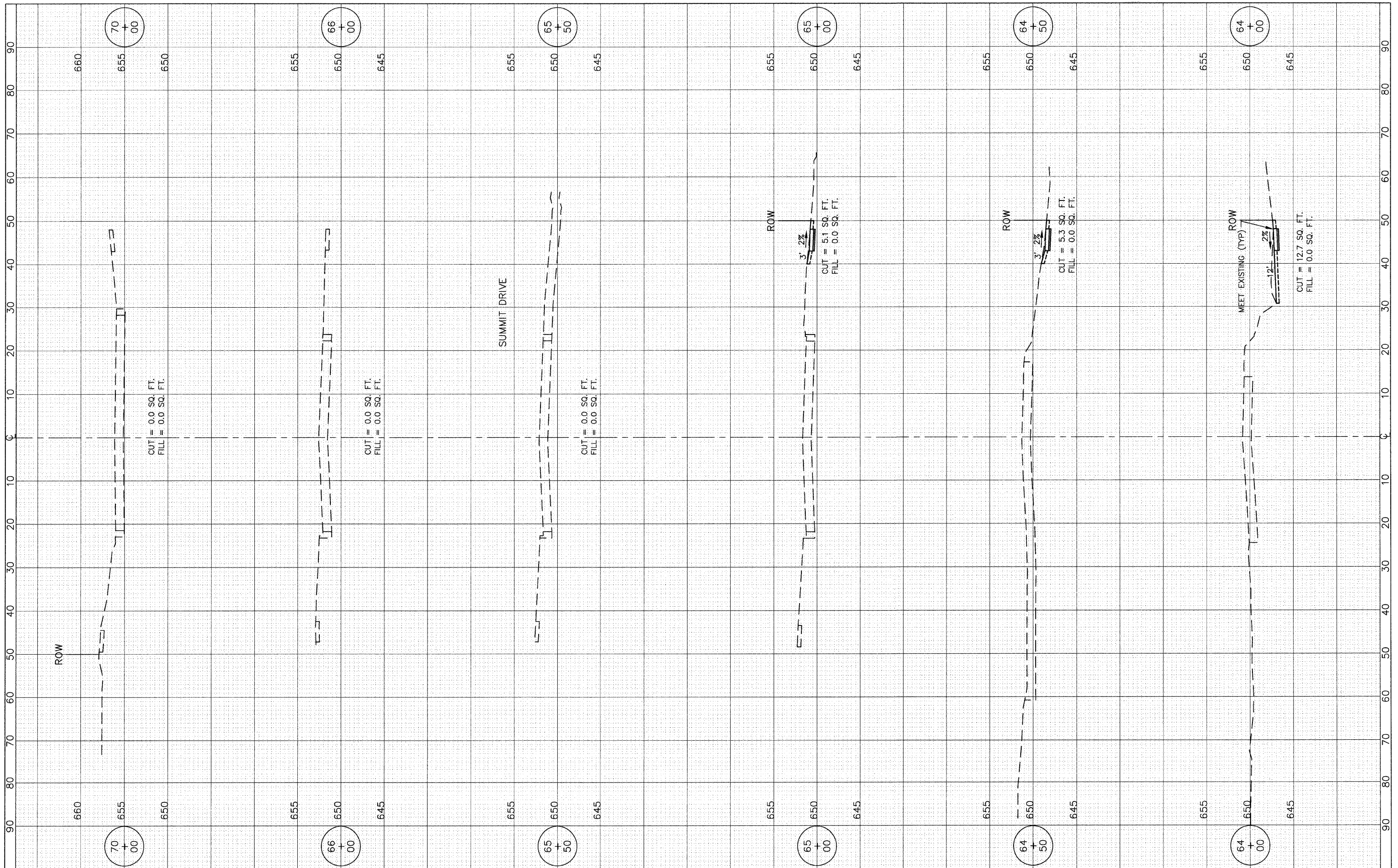
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.P. ROUTE 351 (IL ROUTE 7)**
 SCALE: -- SHEET NO. 29 OF 41 SHEETS STA. 61+00 TO STA. 63+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	09-00063-00-SW	WILL	41	29
			CONTRACT NO. 63438	
ILLINOIS FED. AID PROJECT				

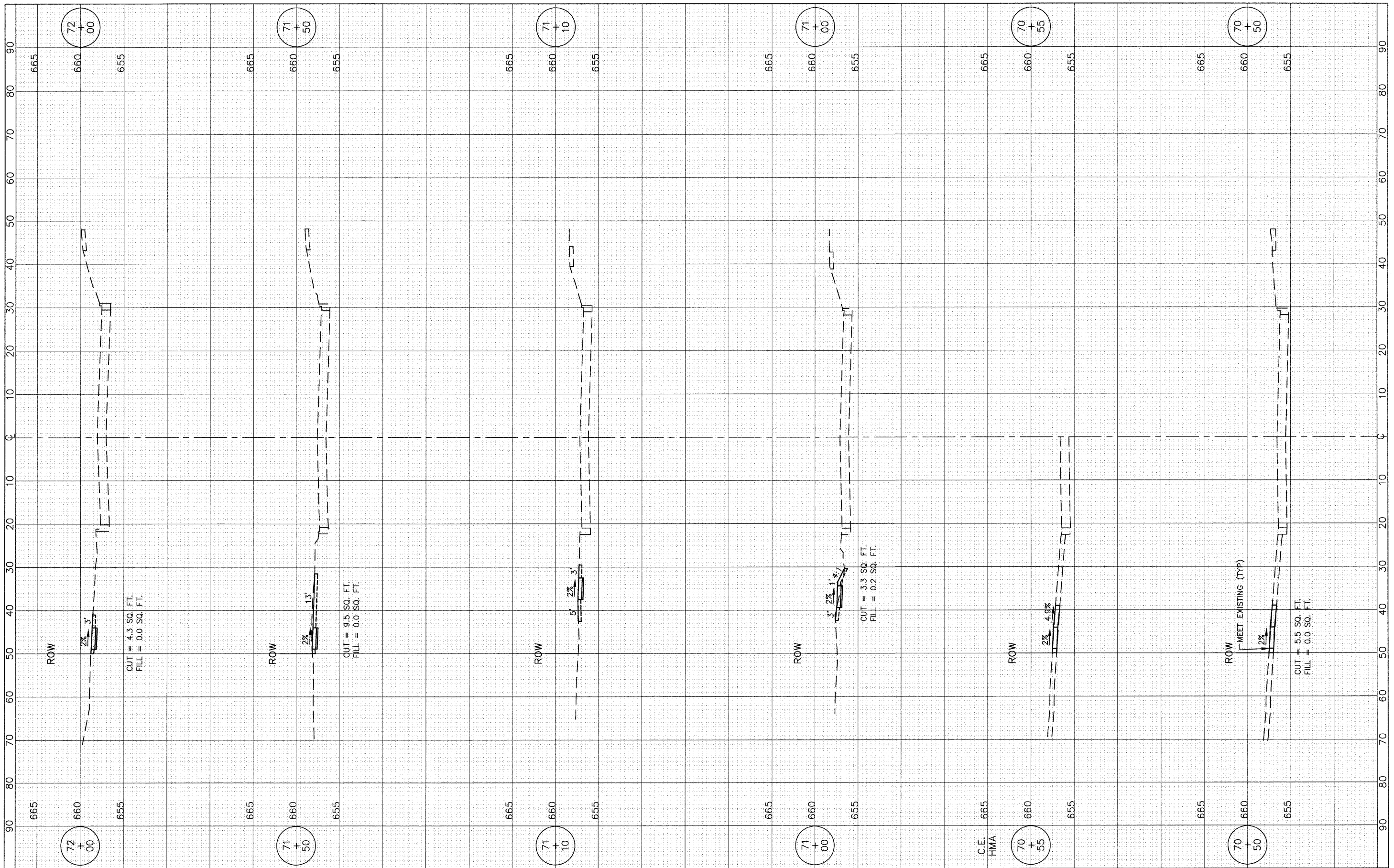


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		DATE - 11-06-09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS F.A.P. ROUTE 351 (IL ROUTE 7)		
SCALE: -	SHEET NO. 30 OF 41 SHEETS	STA. 64+00 TO STA. 70+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	09-00063-00-SW	WILL	41	30
				CONTRACT NO. 63438
ILLINOIS FED. AID PROJECT				



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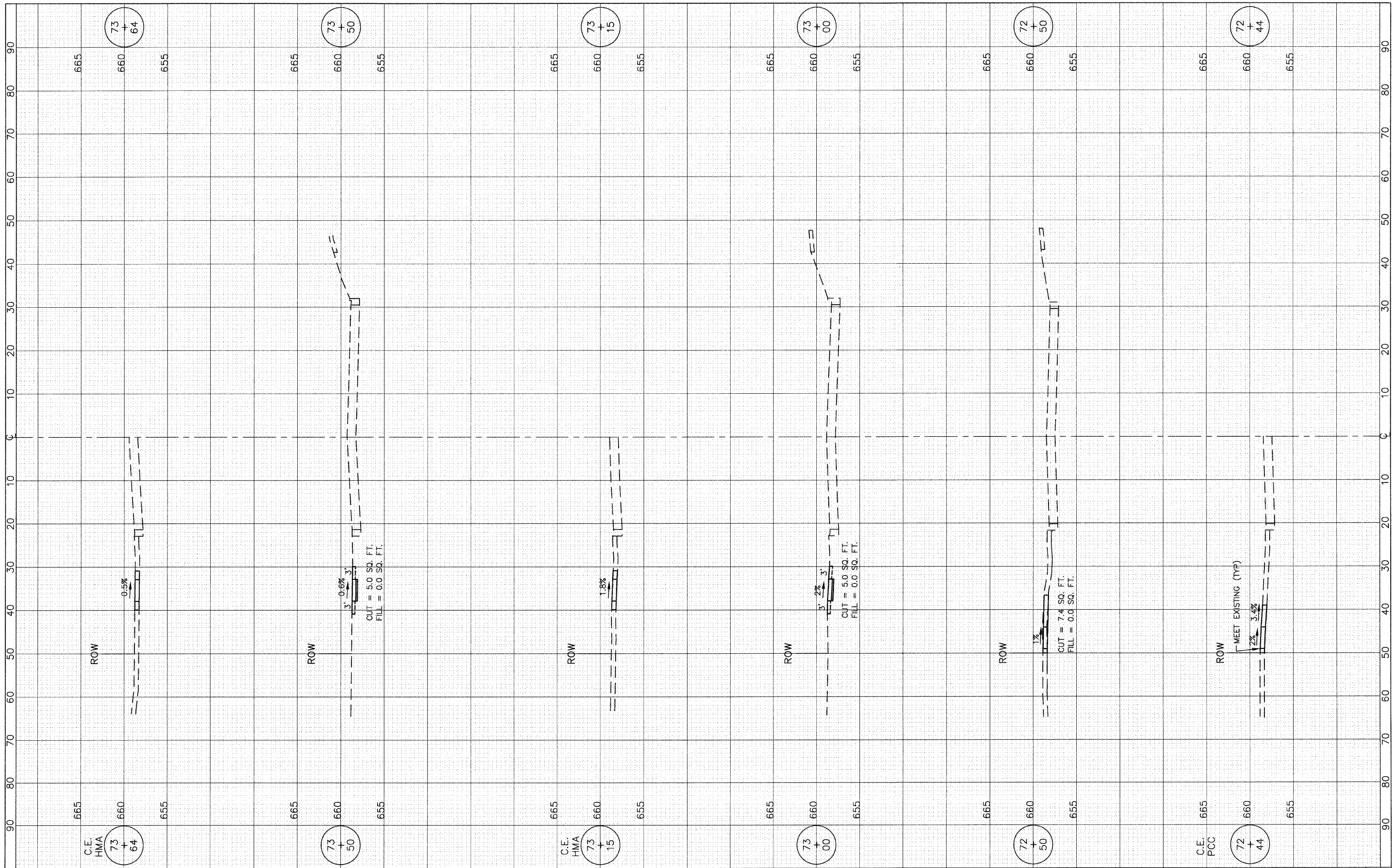
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PLOT DATE =	CHECKED -- BDH	REVISED --
	DATE -- 11-06-09	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
F.A.P. ROUTE 351 (IL ROUTE 7)**

SCALE: - SHEET NO. 31 OF 41 SHEETS STA. 70+50 TO STA. 72+00

F.A.P. RTE. 351	SECTION 09-00063-00-SW	COUNTY WILL	TOTAL SHEETS 41	SHEET NO. 31
CONTRACT NO. 63438			ILLINOIS FED. AID PROJECT	



FILE NAME =

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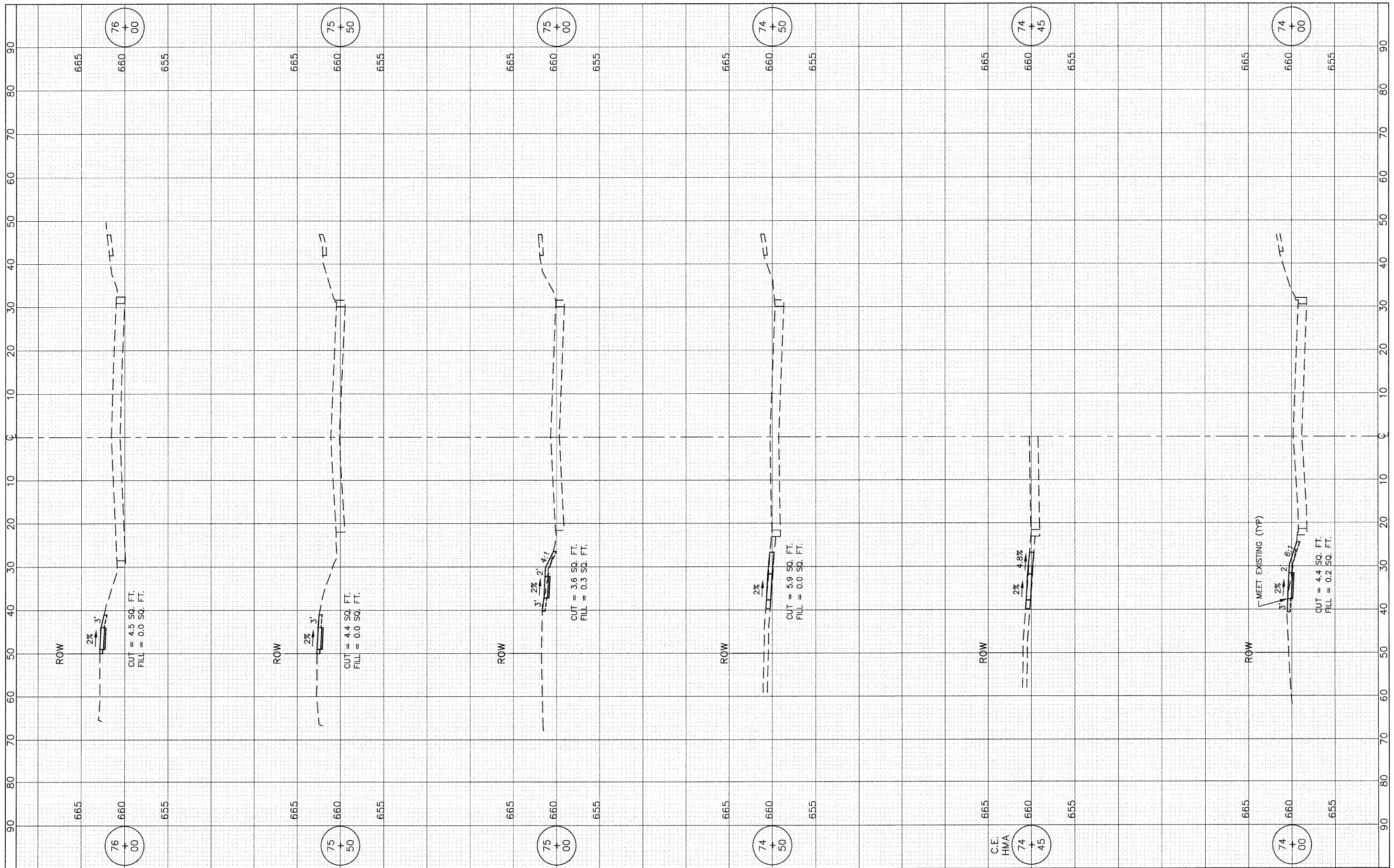
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 CHECKED - BDH
 DATE - 11-06-09

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.P. ROUTE 351 (IL ROUTE 7)**
 SCALE: - SHEET NO. 32 OF 41 SHEETS STA. 72+44 TO STA. 73+64

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	09-00063-00-SW	WILL	41	32
ILLINOIS FED. AID PROJECT			CONTRACT NO. 63438	



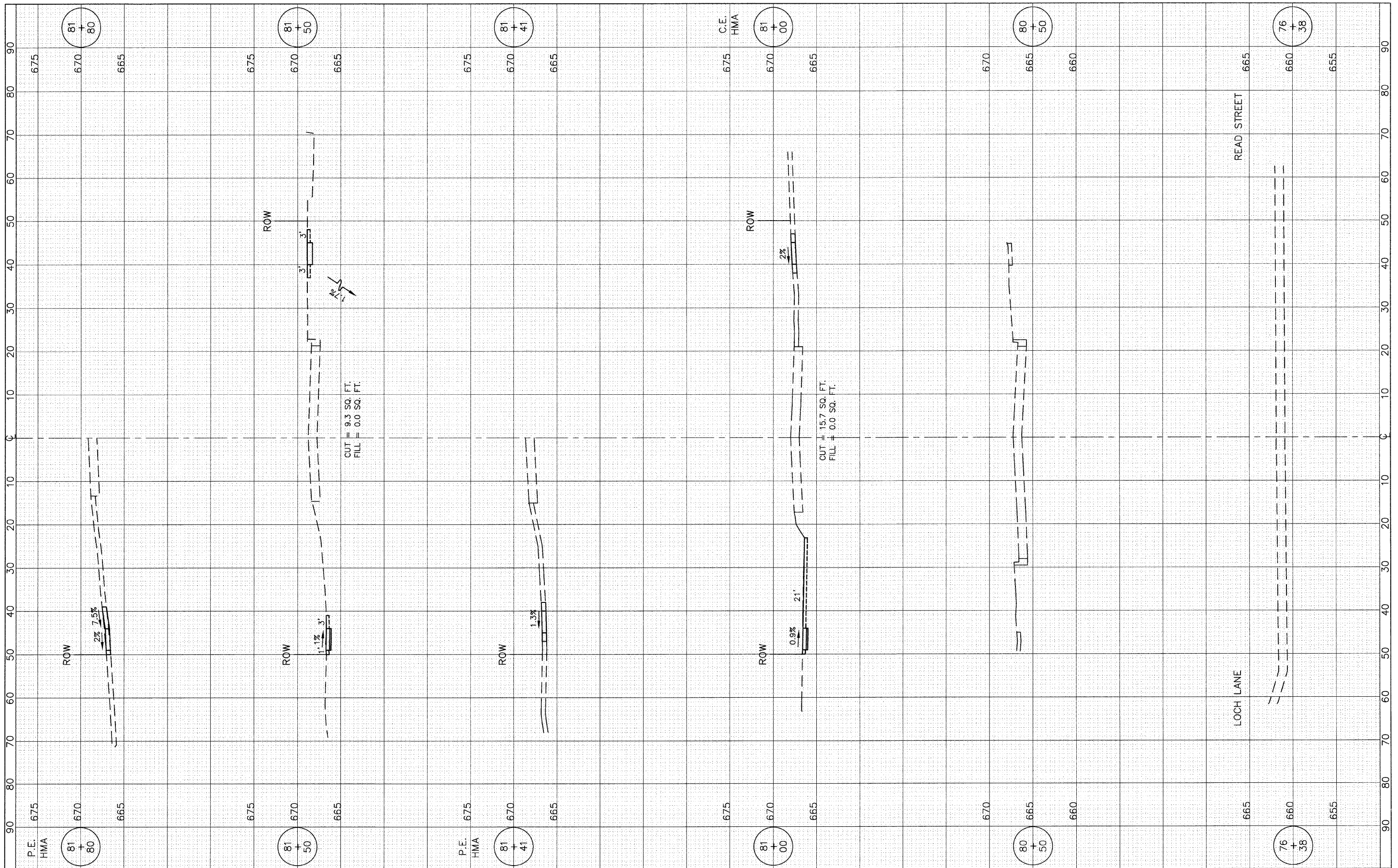
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DESIGNED - BDH	REVISED -
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DATE - 11-06-09	REVISED -

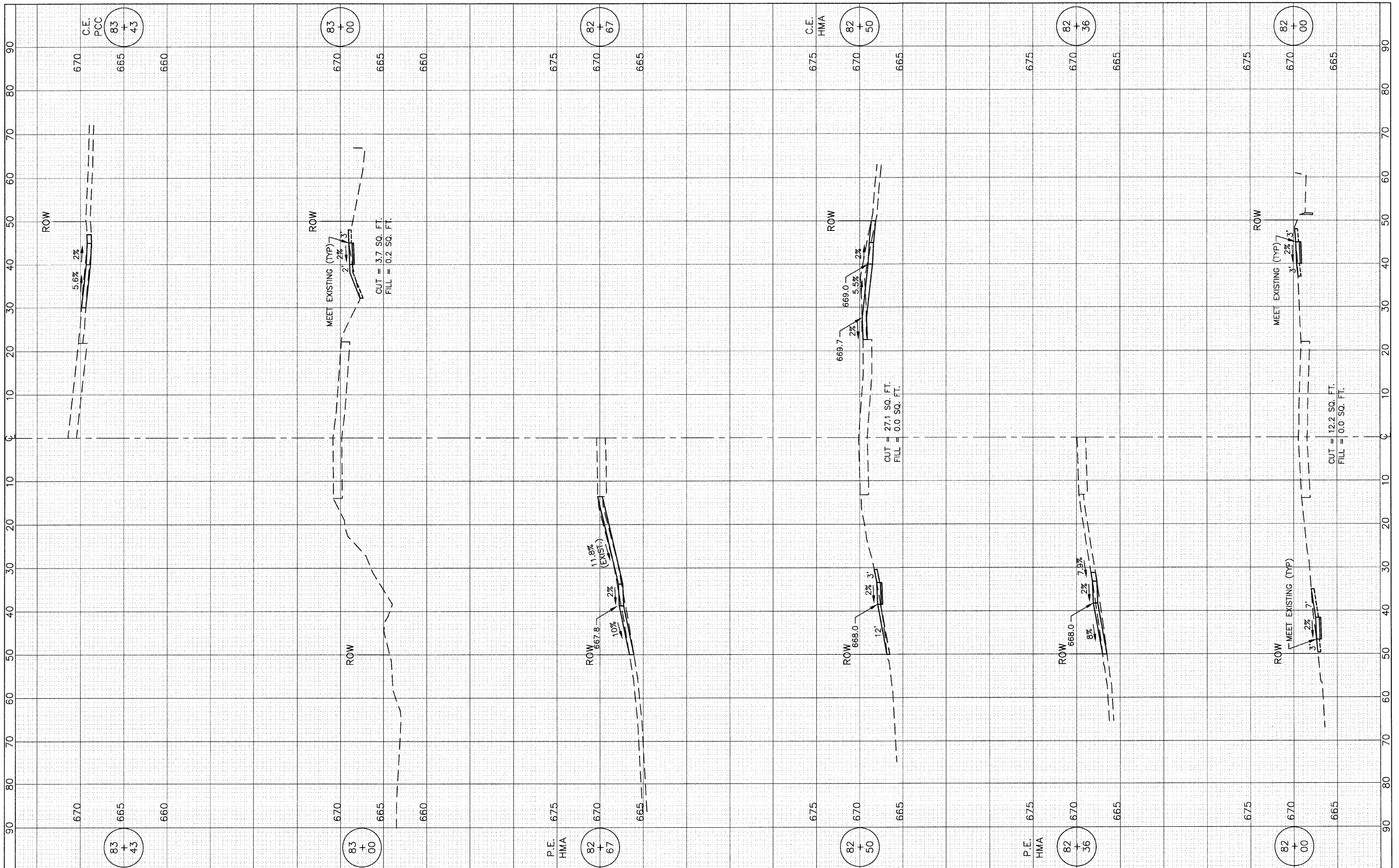
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.P. ROUTE 351 (IL ROUTE 7)**
 SCALE: - SHEET NO. 33 OF 41 SHEETS STA. 74+00 TO STA. 76+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	09-00063-00-SW	WILL	41	33
ILLINOIS FED. AID PROJECT			CONTRACT NO. 63438	



FILE NAME =	USER NAME =	DESIGNED - BDH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS F.A.P. ROUTE 351 (IL ROUTE 7)			F.A.P. RTE. 351	SECTION 09-00063-00-SW	COUNTY WILL	TOTAL SHEETS 41	SHEET NO. 34
	PLOT SCALE: 1"=10' HOR, 1"=5' VERT.	CHECKED - BDH	REVISED -		SCALE: -	SHEET NO. 34 OF 41 SHEETS	STA. 76+38 TO STA. 81+80	CONTRACT NO. 63438				
	PLOT DATE =	DATE - 11-06-09	REVISED -		ILLINOIS FED. AID PROJECT							



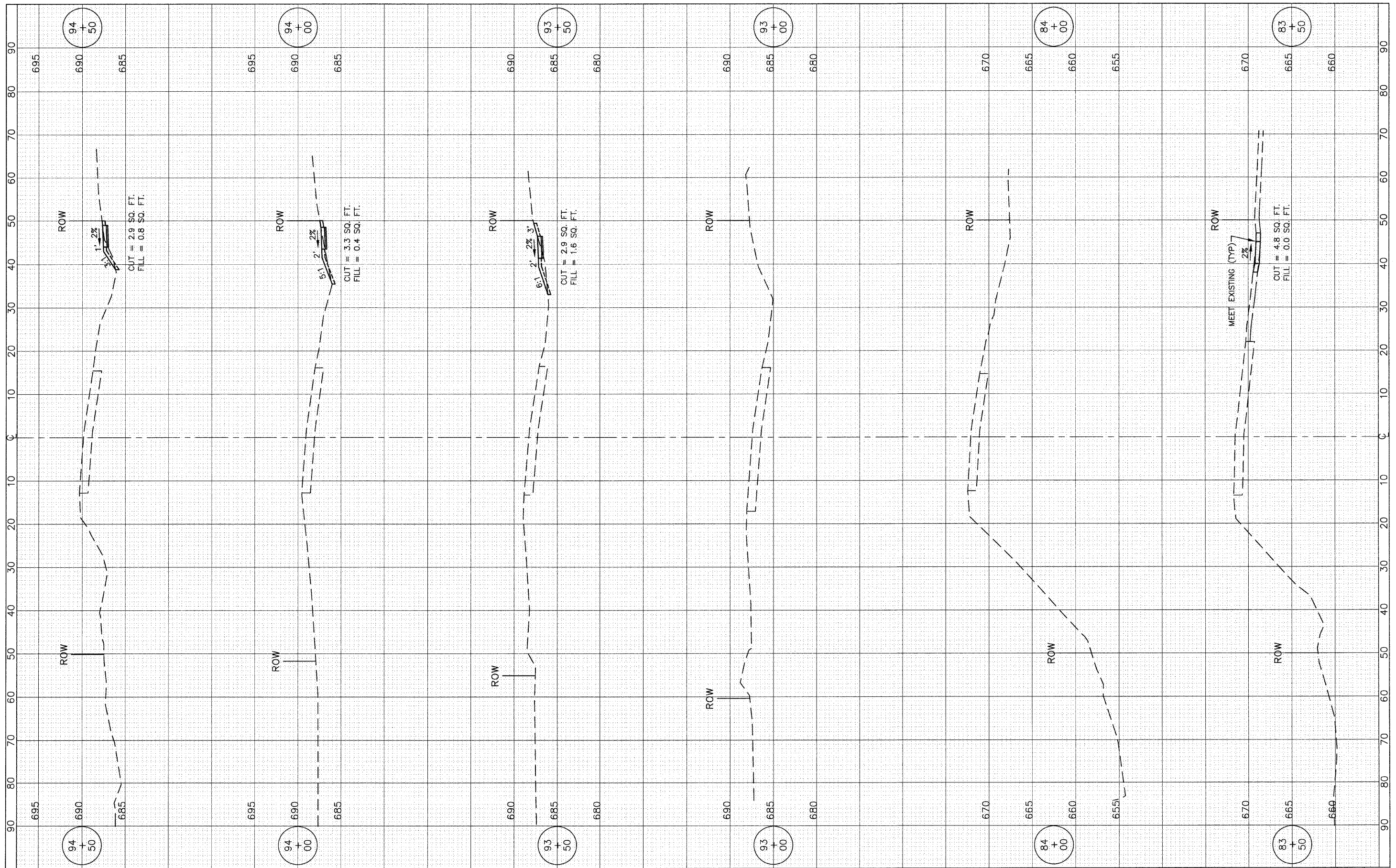
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	PLOT DATE =	DATE — 11-06-09	REVISED —

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
F.A.P. ROUTE 351 (IL ROUTE 7)**

SCALE: — SHEET NO. 35 OF 41 SHEETS STA. 82+00 TO STA. 83+43

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	09-00063-00-SW	WILL	41	35
CONTRACT NO. 63438			ILLINOIS FED. AID PROJECT	



FILE NAME =

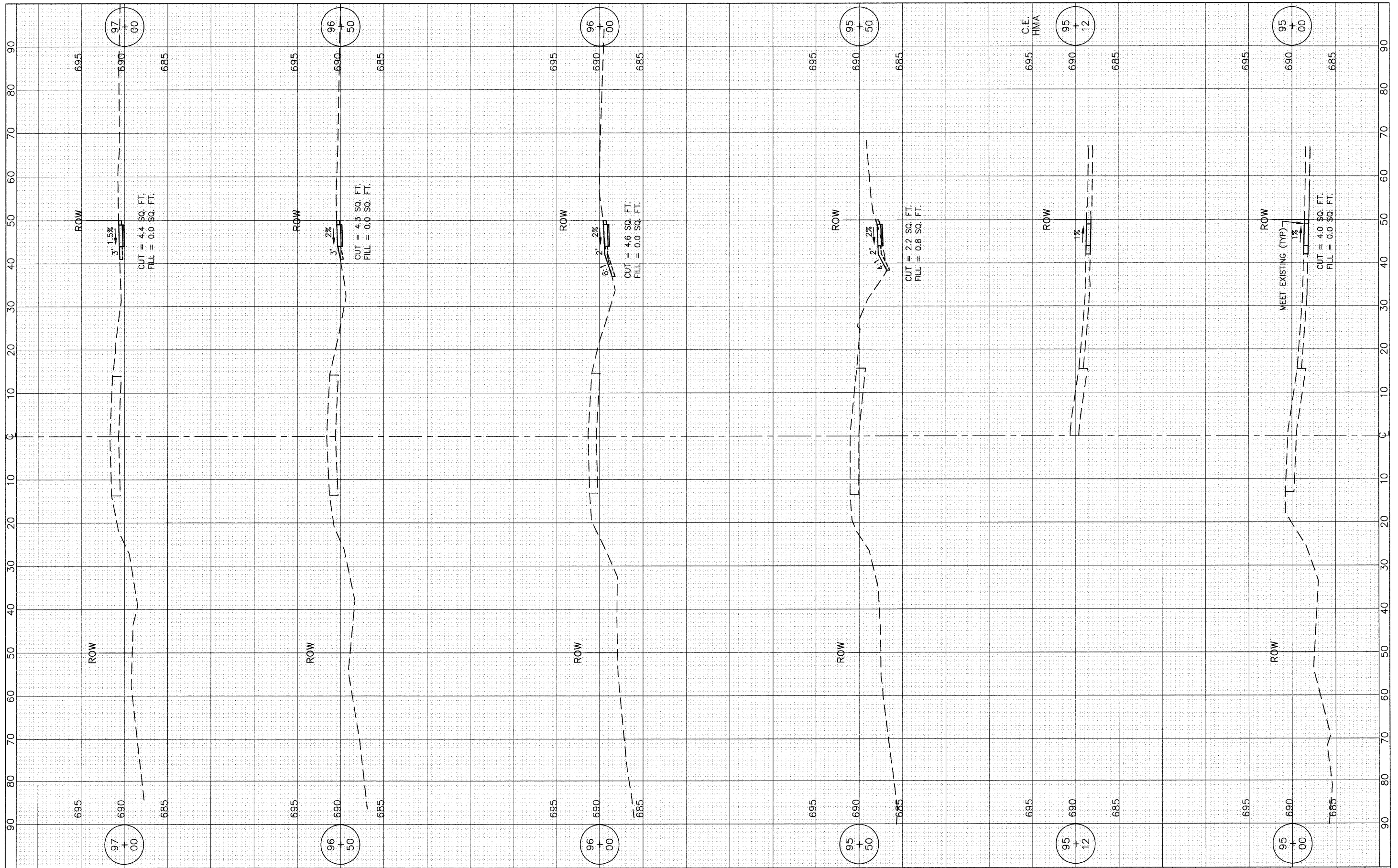
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PLOT DATE =	CHECKED -- BDH	REVISED --
	DATE -- 11-06-09	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
F.A.P. ROUTE 351 (IL ROUTE 7)**

SCALE: -- SHEET NO. 36 OF 41 SHEETS STA. 83+50 TO STA. 94+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	09-00063-00-SW	WILL	41	36
CONTRACT NO. 63438			ILLINOIS FED. AID PROJECT	



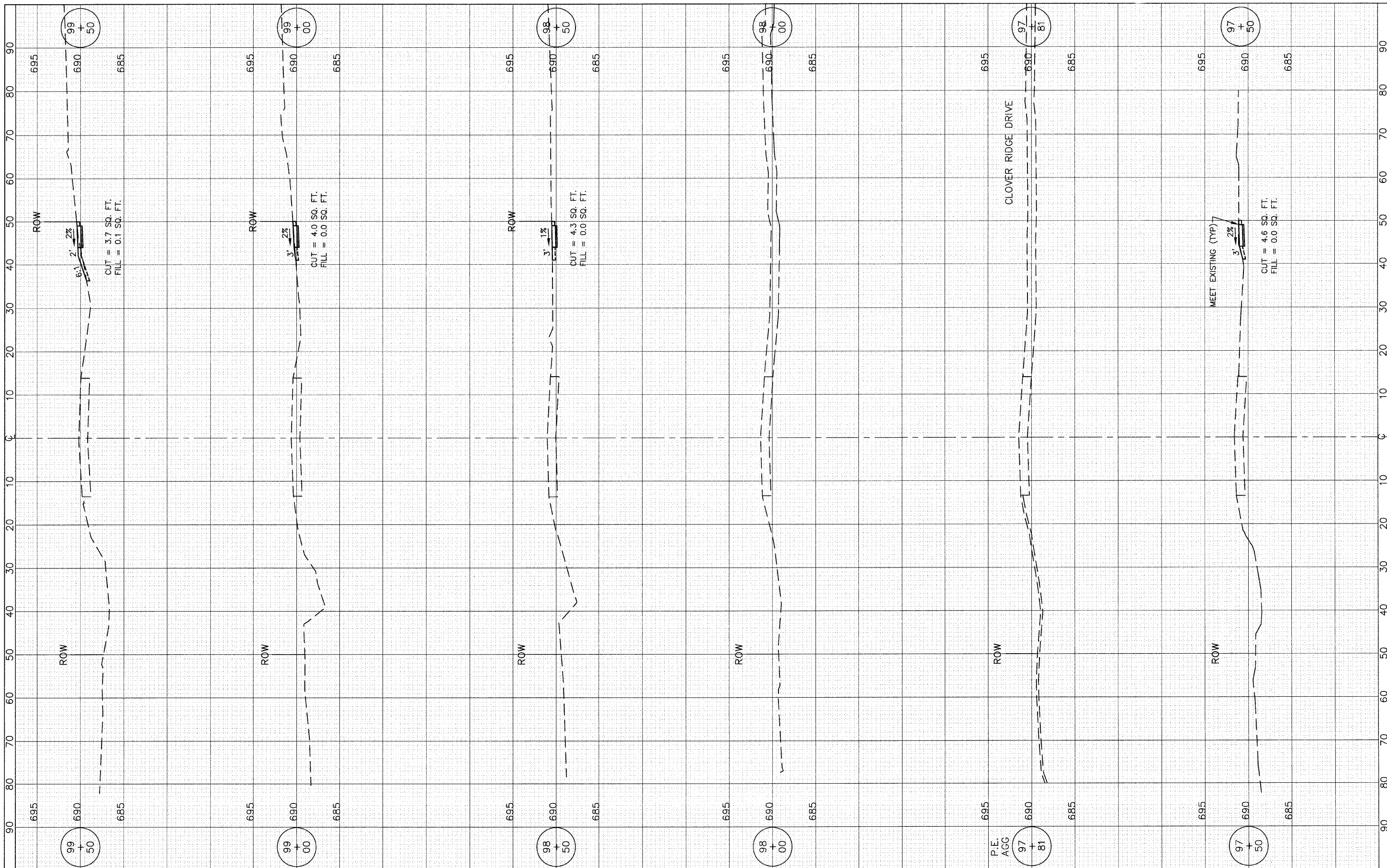
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 USER NAME =
 PLOT SCALE: 1"=10' HOR, 1"=5' VERT.
 PLOT DATE =

DESIGNED - BDH	REVISED -
DRAWN - BCD	REVISED -
CHECKED - BDH	REVISED -
DATE - 11-06-09	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.P. ROUTE 351 (IL ROUTE 7)**
 SCALE: - SHEET NO. 37 OF 41 SHEETS STA. 95+00 TO STA. 97+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	09-00063-00-SW	WILL	41	37
CONTRACT NO. 63438				
ILLINOIS FED. AID PROJECT				



FILE NAME =

USER NAME =

PLOT SCALE: 1"=10' HOR, 1"=5' VERT.

PLOT DATE =

DESIGNED — BDH

DRAWN — BCD

CHECKED — BDH

DATE — 11-06-09

REVISED —

REVISED —

REVISED —

REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

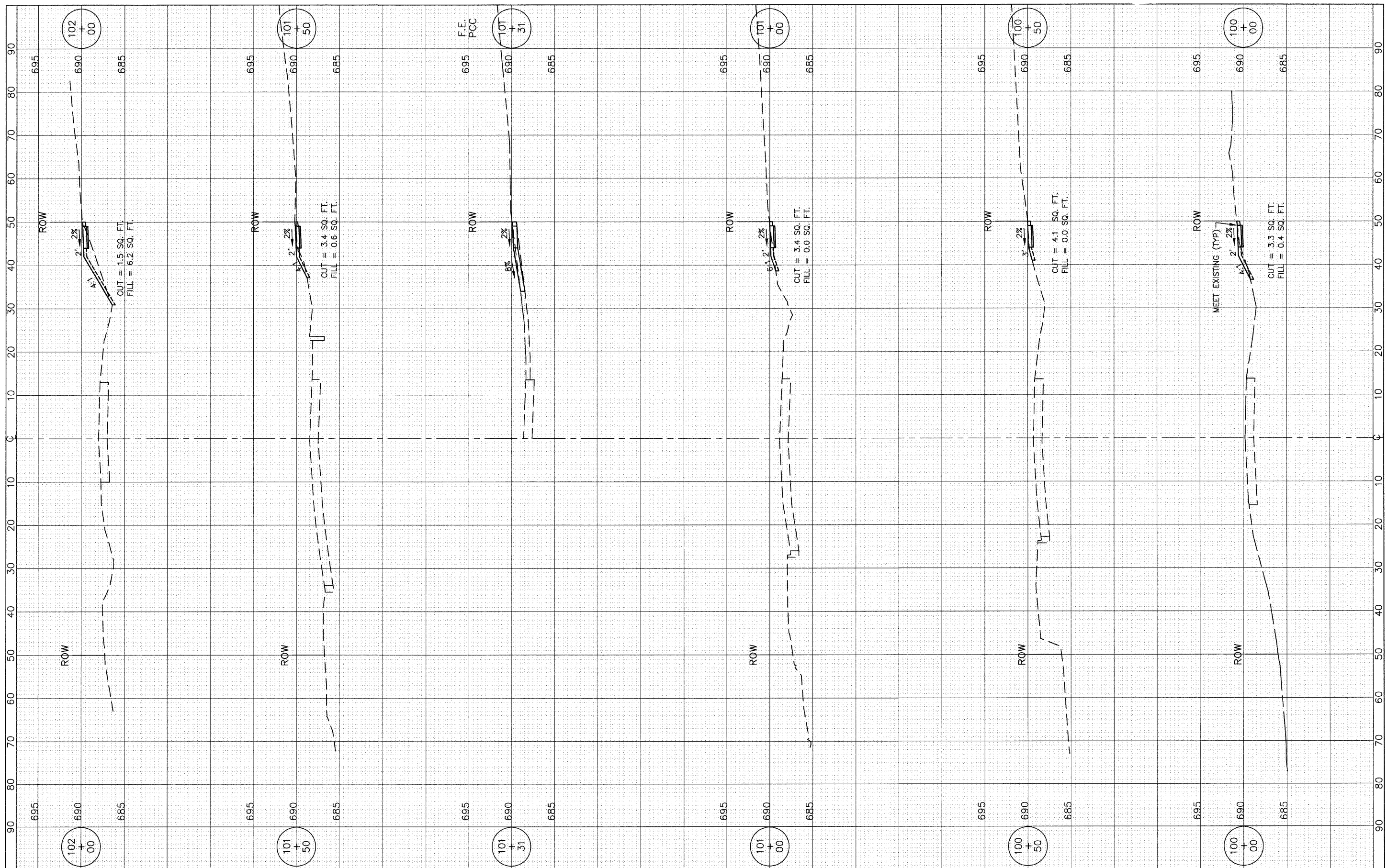
CROSS SECTIONS
F.A.P. ROUTE 351 (IL ROUTE 7)

SCALE: —

SHEET NO. 38 OF 41 SHEETS

STA. 97+50 TO STA. 99+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	09-00063-00-SW	WILL	41	38
ILLINOIS FED. AID PROJECT			CONTRACT NO. 63438	



FILE NAME =
 USER NAME =
 PLOT SCALE: 1"=10' HOR, 1"=5' VERT.
 PLOT DATE =

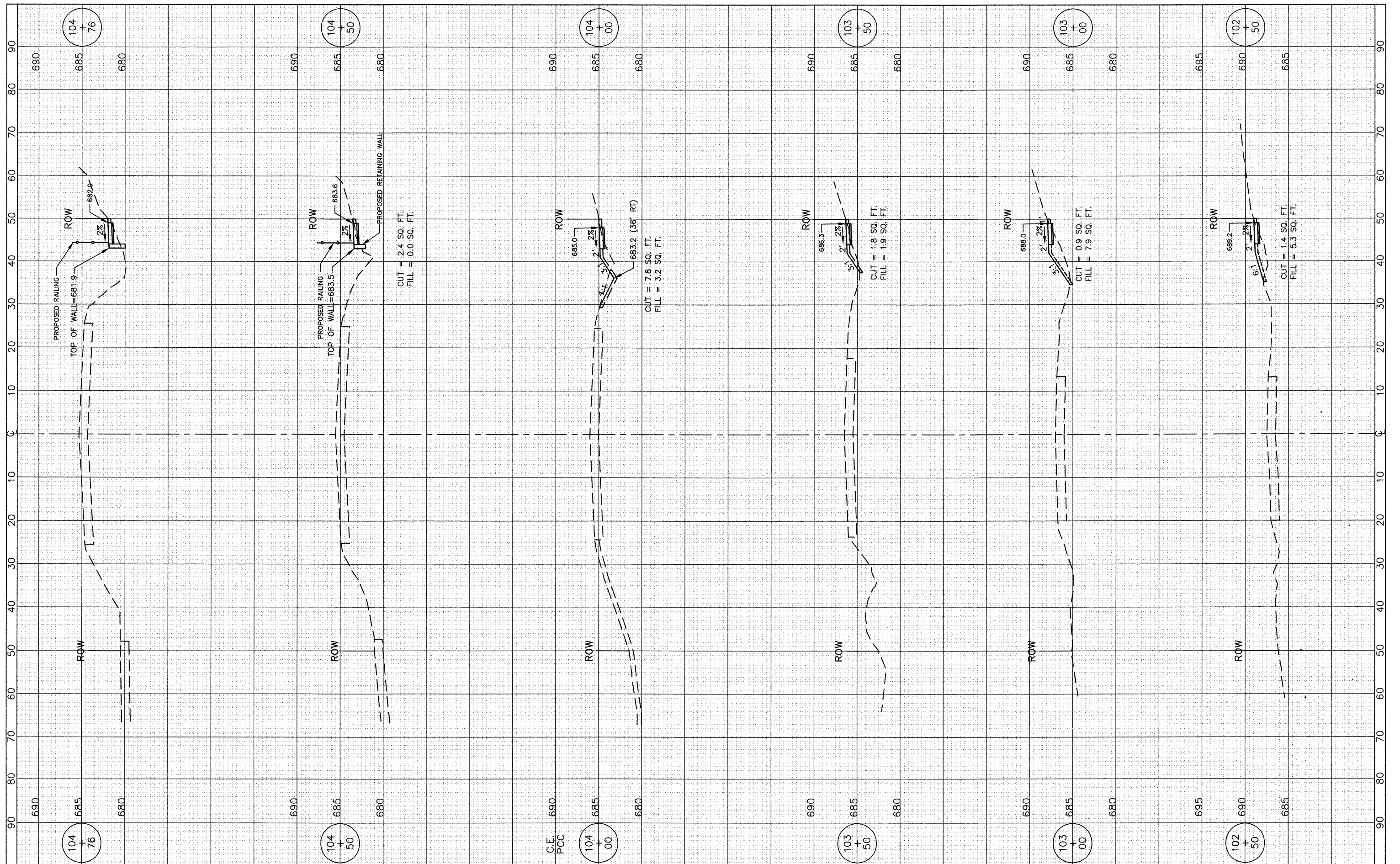
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DRAWN — BCD	REVISED —
CHECKED — BDH	REVISED —
DATE — 11-06-09	REVISED —

DESIGNED — BDH
 DRAWN — BCD
 CHECKED — BDH
 DATE — 11-06-09

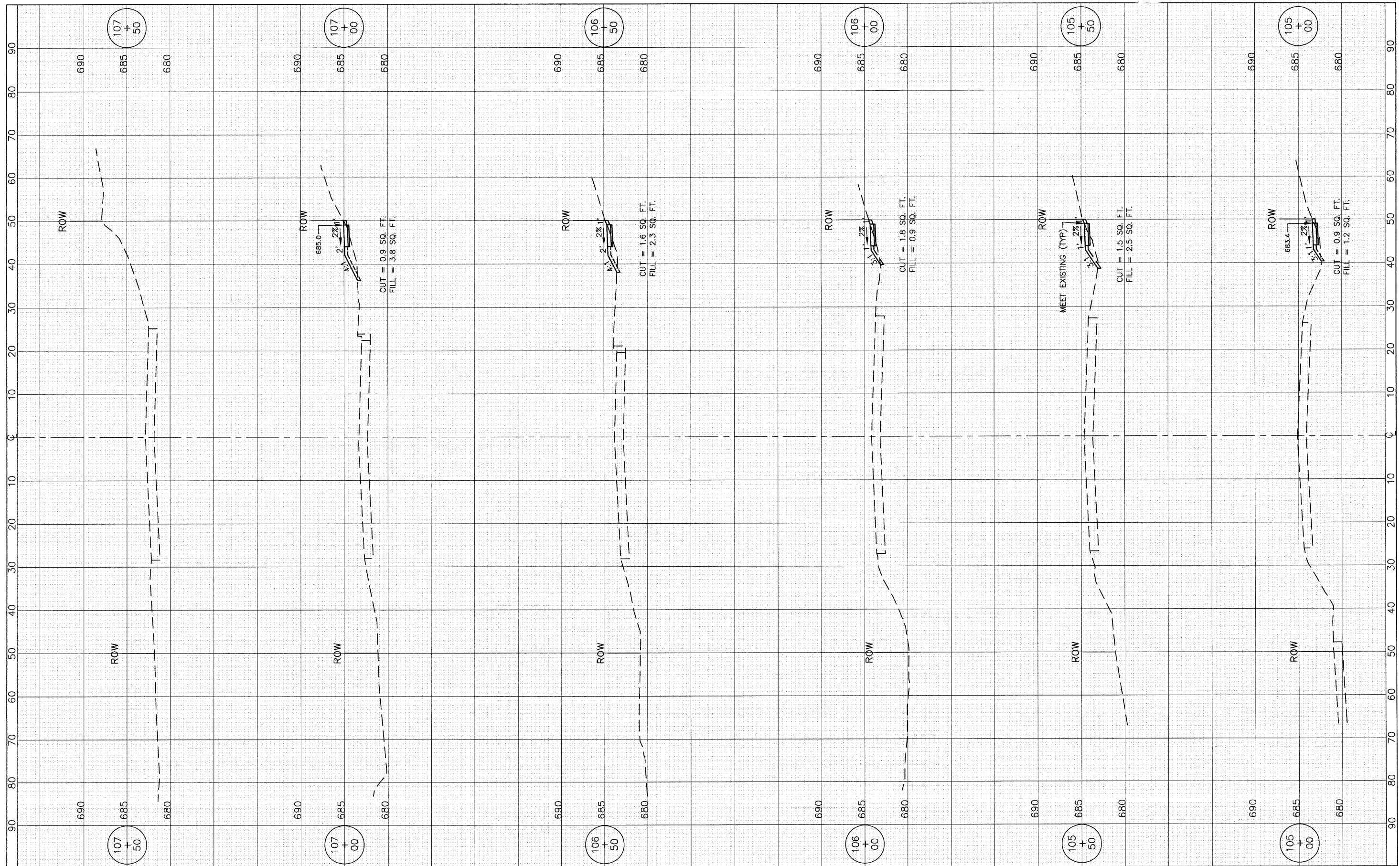
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.P. ROUTE 351 (IL ROUTE 7)**
 SCALE: — SHEET NO. 39 OF 41 SHEETS STA. 100+00 TO STA. 102+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	09-00063-00-SW	WILL	41	39
ILLINOIS FED. AID PROJECT			CONTRACT NO. 63438	



FILE NAME =	USER NAME =	DESIGNED - BDH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS F.A.P. ROUTE 351 (IL ROUTE 7)		F.A.P. RTE. 351	SECTION 09-00063-00-SW	COUNTY WILL	TOTAL SHEETS 41	SHEET NO. 40	
	PLOT SCALE: 1"=10' HOR, 1"=5' VERT.	DRAWN - BCD	REVISED -		SCALE: -	SHEET NO. 40 OF 41 SHEETS	STA. 102+50 TO STA. 104+76	CONTRACT NO. 63438				
	PLOT DATE =	CHECKED - BDH	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE - 11-06-09	REVISED -									



FILE NAME =
 USER NAME =
 PLOT SCALE: 1"=10' HOR, 1"=5' VERT.
 PLOT DATE =

DESIGNED -- BDH
 DRAWN -- BCD
 CHECKED -- BDH
 DATE -- 11-06-09

REVISED --
 REVISED --
 REVISED --
 REVISED --

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 F.A.P. ROUTE 351 (IL ROUTE 7)**
 SCALE: --
 SHEET NO. 41 OF 41 SHEETS
 STA. 105+00 TO STA. 107+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	09-00063-00-SW	WILL	41	41
			CONTRACT NO. 63438	
ILLINOIS FED. AID PROJECT				