

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
—	09-00047-00-RS	COOK	57	1
F.H.W.A. REG.	ILLINOIS PROJECT	HPP-0797(123)		

CONTRACT NO. 63443

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PLANS FOR PROPOSED FEDERAL AID HIGHWAY

83RD STREET
FROM HARLEM AVENUE (FAP 0348) TO CICERO AVENUE (FAP 0350)
HPP RESURFACING
PROJECT NO. HPP-0797(123)
SECTION NO. 09-00047-00-RS
CITY OF BURBANK
COOK COUNTY
JOB NO. C-91-110-09



LOCATION OF SECTION INDICATED THUS:

- ### INDEX OF SHEETS
- 1.) COVER SHEET, INDEX OF SHEETS, LOCATION MAP, INDEX OF STATE STANDARDS
 - 2.) GENERAL NOTES, JOINT DETAILS, SUMMARY OF QUANTITIES
 - 3.) TYPICAL CROSS SECTIONS
 - 4.) HOT-MIX ASPHALT MIXTURE REQUIREMENTS, DRIVEWAYS SCHEDULE, PROJECT DETAILS
 - 5.-21.) **PLAN & PROFILE:** 83rd STREET (RECONSTRUCTION) - HARLEM AVE. TO CICERO AVE.
 - 22.-27.) **PLAN:** 83rd STREET (PAVEMENT MARKING) - HARLEM AVE. TO CICERO AVE.
 - 28.) STORM WATER POLLUTION PREVENTION PLAN
 - 29.-48.) **CROSS SECTION:** 83rd STREET (RECONSTRUCTION) - HARLEM AVE. TO CICERO AVE.
 - 49.) BD-08 DETAILS FOR FRAMES AND LIDS ADJUSTMENTS WITH MILLING
 - 50.) BD-32 BUTT JOINT AND HMA TAPER DETAILS
 - 51.) TC-10 TRAFFIC CONTROL & PROTECTION FOR SIDE ROADS, INTERSECTIONS, & DRIVEWAYS
 - 52.) TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS
 - 53.) TC-14 TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
 - 54.) TC-16 PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
 - 55.) TC-18 SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS
 - 56.) TC-22 ARTERIAL ROAD INFORMATION SIGN
 - 57.) TS-24 DETECTOR LOOPS

HIGHWAY STANDARDS

- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 424001-05 CURB RAMPS FOR SIDEWALK
- 442201-03 CLASS C AND D PATCHES
- 606001-04 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB & GUTTER
- 701301-03 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
- 701501-05 URBAN LANE CLOSURE, 2 L, 2 W UNDIVIDED
- 701701-06 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701801-04 LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
- 701901-01 TRAFFIC CONTROL DEVICES
- 780001-02 TYPICAL PAVEMENT MARKINGS
- 886001-01 DETECTOR LOOP INSTALLATIONS
- 886006-01 TYPICAL LAYOUTS FOR DETECTION LOOPS

DESIGN DESIGNATION: 6,500(2009) LOCAL STREET 1.48(PCC20)

TRAFFIC DATA

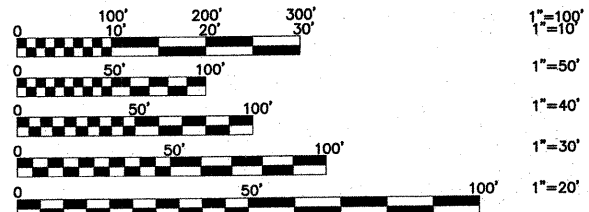
ADT: 83RD STREET 6,500 (2009)

POSTED SPEED

25 MPH (EXISTING)
25 MPH (PROPOSED)

DESIGN SPEED

25 MPH (EXISTING)
25 MPH (PROPOSED)

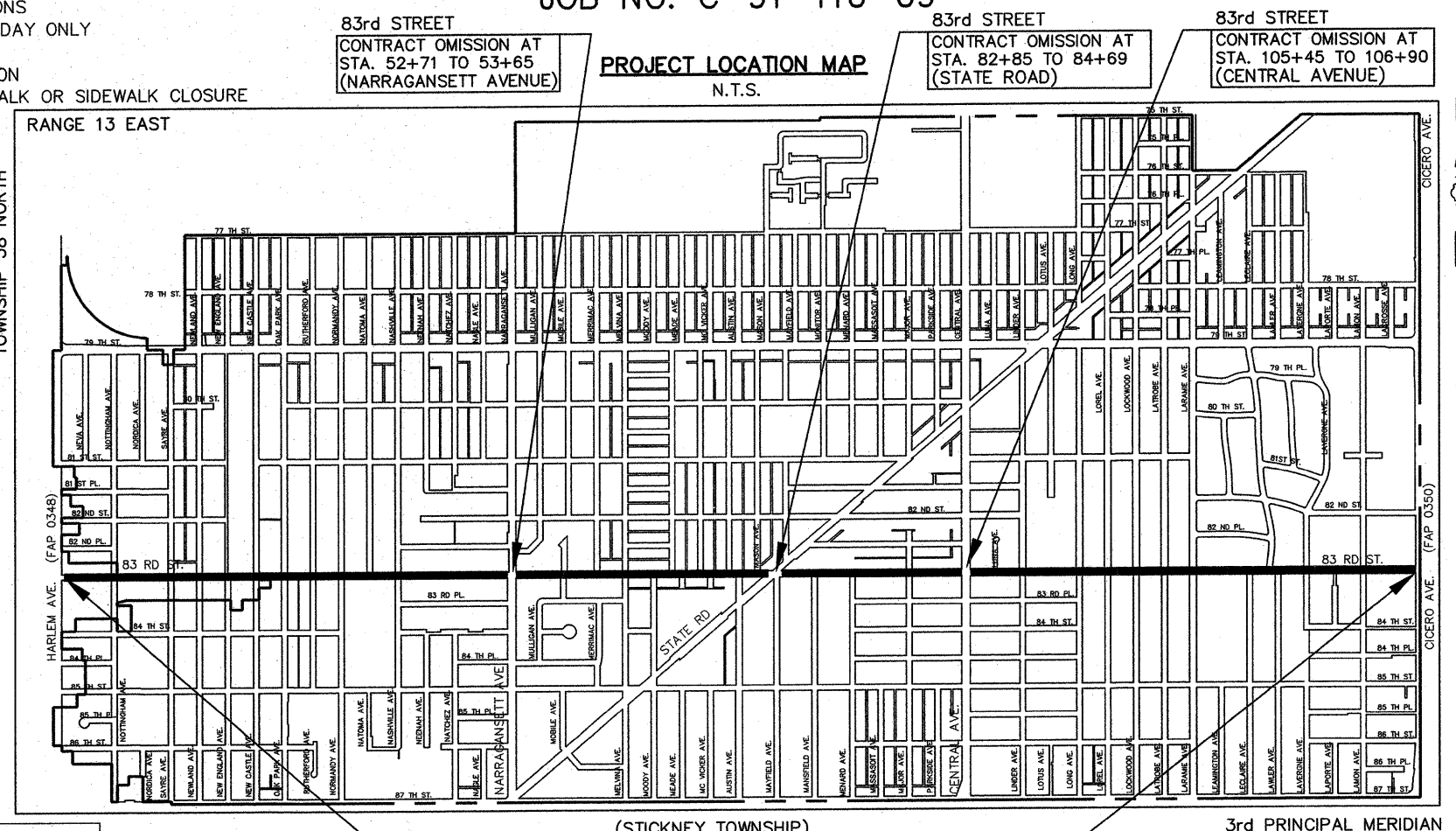


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT
UTILITY
LOCATION
INFORMATION FOR
EXCAVATION
CALL 811



Know what's below.
Call before you dig.



83rd STREET
PROJECT BEGINS
AT STA. 0+55
(HARLEM AVENUE)

(STICKNEY TOWNSHIP)
DENOTES LOCATION OF IMPROVEMENT
IN STICKNEY TOWNSHIP
LENGTH OF PROJECT

83rd STREET
PROJECT ENDS
AT STA. 158+85
(CICERO AVENUE)

GROSS LENGTH OF PROJECT 15,830 FEET (2.9981 MILES)
NET LENGTH OF PROJECT 15,415 FEET (2.9195 MILES)

PROJECT LOCATED IN THE VILLAGE OF BRIDGEVIEW AND THE CITY OF BURBANK

Frank Novotny & Associates, Inc.
825 Midway Drive • Willowbrook, IL • 60527 • Telephone: (630) 887-9640 • Fax: (630) 887-8132
Civil Engineers/Municipal Consultants
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-009928

REVISIONS			
NO.	BY	DATE	DESCRIPTION
1	AMS	1-22-10	PER I.D.O.T. REVIEW
2	AMS	1-29-10	PER I.D.O.T. REVIEW

CONTRACT NO. 63443

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED 1-29-2010 2010

CITY MAYOR Harry Klein
HARRY KLEIN - BURBANK

PASSED FEBRUARY 2, 2010

Charles Hecht
DISTRICT #1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW FEBRUARY 2, 2010

Diana M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION #1 ENGINEER

Timothy H. Klass
TIMOTHY H. KLASS, P.E.
IL. P.E. NO. 062-046111
EXPIRES 11-30-2011

1-29-10
DATE

SEAL

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

FIELD ENGINEER: MELCHOR MANGOBA (847)705-4408

GENERAL CONSTRUCTION NOTES PAVING AND STORM SEWERS

SPECIFICATIONS

THE LATEST EDITIONS OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", PREPARED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" SHALL GOVERN ALL WORK ASSOCIATED WITH THIS PROJECT. THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" MAY GOVERN OTHER WORK ON THIS PROJECT AS INDICATED BY REFERENCE.

CARE IN EXCAVATION

CARE SHALL BE EXERCISED BY THE CONTRACTOR IN CARRYING OUT EARTH AND/OR TRENCHING OPERATIONS SO THAT LOCAL UTILITY SERVICES, WATER VALVES, MANHOLES, CATCH BASINS, INLETS, BUFFALO BOXES, AND OTHER STRUCTURES ARE NOT DAMAGED OR REMOVED. ANY DAMAGE DONE BY THE CONTRACTOR, WHETHER THE STRUCTURE OR SERVICE IS VISIBLE AT THE GROUND SURFACE OR NOT, SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AS REQUIRED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

NOTIFICATION OF PUBLIC UTILITIES

PRIOR TO STARTING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE OFFICIALS OF THE PUBLIC WORKS DEPARTMENT OF THE LOCAL MUNICIPALITY, J.U.L.I.E. AT 1-800-892-0123 OR 811, AND OTHER PUBLIC AND PRIVATE UTILITIES SO THAT ARRANGEMENTS CAN BE MADE TO LOCATE THEIR VARIOUS FACILITIES WITHIN THE LIMITS OF CONSTRUCTION UNDER THIS CONTRACT, AS WELL AS TO PROVIDE ADEQUATE PROTECTION AND INSPECTION THERETO. IT SHALL BE THIS CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES IN THE FIELD.

TRAFFIC CONTROL DEVICES

BARRICADES AND WARNING SIGNS SHALL BE PROVIDED IN ACCORDANCE WITH ARTICLE 107.14 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". ADEQUATE LIGHTING SHALL BE MAINTAINED FROM DUSK TO DAWN AT ALL LOCATIONS WHERE CONSTRUCTION OPERATIONS WARRANT, OR AS DESIGNATED BY THE ENGINEER.

PROTECTION OF SIGNS AND PROPERTY

ALL TRAFFIC SIGNS, STREET SIGNS, ETC., THAT INTERFERE WITH THE CONSTRUCTION OPERATIONS SHALL BE REMOVED AND PLACED AT NEW LOCATIONS AS DESIGNATED BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE COMBINATION CURB AND GUTTER REMOVAL ITEM, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. IN ADDITION, ALL MAIL BOXES THAT INTERFERE WITH CONSTRUCTION SHALL BE SIMILARLY RELOCATED AT NO ADDITIONAL COST IN ACCORDANCE WITH ARTICLES 107.20 AND 107.21 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

SUPERINTENDENCE

SPECIAL ATTENTION IS DRAWN TO ARTICLE 105.06 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" WHICH REQUIRES THE CONTRACTOR TO HAVE A COMPETENT SUPERINTENDENT ON THE PROJECT SITE AT ALL TIMES, IRRESPECTIVE OF THE AMOUNT OF WORK SUBLET. THE SUPERINTENDENT SHALL BE CAPABLE OF READING AND UNDERSTANDING THE PLANS AND SPECIFICATIONS, SHALL HAVE FULL AUTHORITY TO EXECUTE ORDERS TO EXPEDITE THE PROJECT AND SHALL BE RESPONSIBLE FOR SCHEDULING AND HAVING CONTROL OF ALL THE WORK AS THE AGENT OF THE GENERAL CONTRACTOR. FAILURE TO COMPLY WITH THIS PROVISION WILL RESULT IN A SUSPENSION OF WORK AS PROVIDED IN ARTICLE 108.07.

SAWING EXISTING IMPROVEMENTS

ALL PERMANENT TYPE PAVEMENTS OR OTHER PERMANENT IMPROVEMENTS WHICH ABUT THE PROPOSED IMPROVEMENT AND MUST BE REMOVED, SHALL BE SAWED AS DIRECTED PRIOR TO REMOVAL. ALL ITEMS SO REMOVED SHALL BE REPLACED WITH SIMILAR CONSTRUCTION MATERIALS TO THEIR ORIGINAL CONDITION OR BETTER. PAYMENT FOR SAWING SHALL BE INCLUDED IN THE COST FOR THE REMOVAL OF EACH ITEM, AND REPLACEMENT WILL BE PAID FOR UNDER THE RESPECTIVE ITEMS IN THE CONTRACT UNLESS OTHERWISE INDICATED. SAWCUTTING FOR PATCHES WILL BE INCLUDED IN THE COST OF THE PATCHING ITEM.

CONSTRUCTION LAYOUT STAKES

THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH WOODEN STAKES OR OTHER LAYOUT MATERIALS FOR LAYOUT OF THE LINES AND GRADES OF THE PROJECT. FAILURE TO PROVIDE STAKES IN A TIMELY MANNER WILL RESULT IN A DELAY IN STAKEOUT WHICH WILL BE APPLICABLE AGAINST THE TIME LIMIT FOR COMPLETION SHOWN IN THE PROJECT SPECIFICATIONS. LINE AND GRADE WILL BE ESTABLISHED BY THE ENGINEER AT REGULAR INTERVALS ON PERMANENTLY PAVED SURFACES, SIDEWALKS OR STAKES AT THE ENGINEER'S OPTION, ALL WITHIN THE PUBLIC RIGHT-OF-WAY AND SHALL BE TRANSFERRED BY THE CONTRACTOR TO THE ACTUAL LINE OF CONSTRUCTION.

PROJECT SAFETY

BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SAND BAGS ON EACH BARRICADE; THE CONTRACTOR SHALL PROVIDE AND INSTALL ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1-1/2 INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH.

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

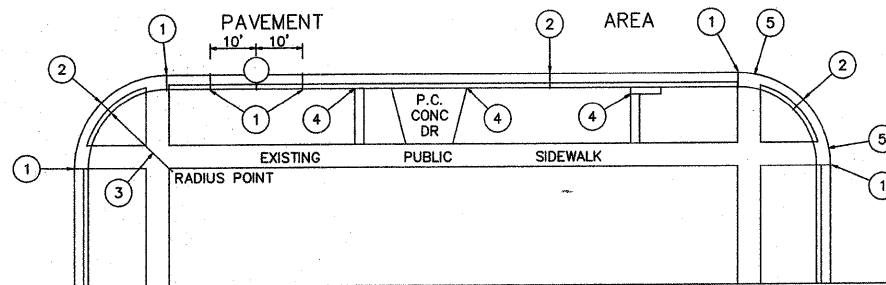
THE CONTRACTOR SHALL COMPLY WITH AND OBSERVE THE RULES AND REGULATIONS OF O.S.H.A. AND APPROPRIATE AUTHORITIES REGARDING SAFETY PROVISIONS. THE CONTRACTOR, ENGINEER, AND OWNER SHALL EACH BE RESPONSIBLE FOR THEIR OWN RESPECTIVE AGENTS AND EMPLOYEES.

THE ENGINEER AND OWNER ARE NOT RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS, OR FOR ANY SAFETY PRECAUTIONS USED BY THE CONTRACTOR. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF HIS WORK IN ACCORDANCE WITH THE DOCUMENTS AND SPECIFICATIONS.

SPECIAL PROJECT NOTES

DRIVEWAY REPAIR BETWEEN THE CURB AND THE PROPERTY LINE SHALL BE COMPLETED PER THE VILLAGE ORDINANCE. THE INSTALLATION IS DETAILED IN THESE PLANS AND IN THE SPECIAL PROVISIONS.

ALL PATCHING WILL BE MARKED OUT AND CONSTRUCTED AFTER MILLING. A PROOF ROLL WILL BE REQUIRED.



1. EXPANSION JOINTS AT TANGENT POINTS AND 150 FOOT INTERVALS, CONSISTING OF ONE INCH PREMOLDED JOINT FILLER MATERIAL WITH #8 DOWEL BARS, 18" IN LENGTH, GREASED, PROVIDE EXPANSION CAP ON ONE END. ALSO CONSTRUCT THIS JOINT TEN FEET EACH SIDE OF PROPOSED UNDERGROUND STRUCTURE.
2. CONTRACTION JOINTS AT TWENTY-FIVE FOOT INTERVALS AND AT THE CENTER OF RETURNS.
3. ALL RADII SHALL BE 25 FEET TO THE BACK OF CURB UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
4. LONGITUDINAL EXPANSION JOINT CONSISTING OF ONE INCH PREMOLDED JOINT FILLER.
5. DEPRESS CURB AT LOCATIONS WHERE PUBLIC WALKS INTERSECT CURB LINE AT STREET INTERSECTIONS, ALLEYS, AND OTHER LOCATIONS AS DIRECTED, FOR THE CONSTRUCTION OF RAMPED SIDEWALKS FOR ACCESS BY THE HANDICAPPED.

JOINT DETAILS

SUMMARY OF QUANTITIES

Specialty Item	Special Provision	Item No	Description	Unit	Quantity	Construction Code 1000
		20200100	EARTH EXCAVATION	CU YD	250	
	SP	20200410	EARTH EXCAVATION (SPECIAL)	CU YD	635	
		31101000	SUB-BASE GRANULAR MATERIAL, TYPE B	TON	980	
		21101605	TOPSOIL FURNISH AND PLACE, 2"	SQ YD	10,654	
		25000400	NITROGEN FERTILIZER NUTRIENT	POUND	198	
		25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	198	
		25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	198	
		25200100	SODDING	SQ YD	10,654	
		25200200	SUPPLEMENTAL WATERING	UNIT	287	
		28000500	INLET AND PIPE PROTECTION	EACH	25	
		28000510	INLET FILTERS	EACH	250	
		35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	16,816	
		40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	100	
		40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	15	
		40600300	AGGREGATE (PRIME COAT)	TON	55	
		40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	1,451	
		40600895	CONSTRUCTING TEST STRIP	EACH	1	
		40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	895	
		40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	1,900	
		40603335	HOT-MIX ASPHALT SURFACE COURSE, MX "D", N50	TON	5,108	
		42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	2,786	
		42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	18,471	
		44000100	PAVEMENT REMOVAL	SQ YD	16,816	
		44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	31,617	
		44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	2,786	
		44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	31,336	
		44000600	SIDEWALK REMOVAL	SQ FT	18,471	
		44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	100	
		44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	300	
		44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	1,000	
	SP	44300300	AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A	SQ YD	34,828	
	SP	56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	2	
	SP	60220400	MANHOLES, TYPE A, SPECIAL, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	
	SP	60238900	INLETS, TYPE A, SPECIAL, TYPE 1 FRAME, OPEN LID	EACH	6	
		60250200	CATCH BASINS TO BE ADJUSTED	EACH	3	
		60255500	MANHOLES TO BE ADJUSTED	EACH	13	
		60257900	MANHOLES TO BE RECONSTRUCTED	EACH	3	
		60260100	INLETS TO BE ADJUSTED	EACH	106	
		60266600	VALVE BOXES TO BE ADJUSTED	EACH	4	
	SP	60266610	VALVE BOXES TO BE ADJUSTED (SPECIAL)	EACH	6	
		60265700	VALVE VAULTS TO BE ADJUSTED	EACH	7	
	SP	60300310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	64	
		60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	14	
		60500060	REMOVING INLETS	EACH	5	
		67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	
		67100100	MOBILIZATION	L SUM	1	
		70102820	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	
		70102835	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	
		70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	
		70300100	SHORT-TERM PAVEMENT MARKING	FOOT	800	
		70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	600	
*		78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	37	
*		78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	610	
*		78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,408	
*		78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	170	
*	SP	81400115	HANDHOLE TO BE ADJUSTED	EACH	2	
*	SP	88600600	DETECTOR LOOP REPLACEMENT	FOOT	450	
	SP	X0326144	TACTILE/DETECTABLE WARNING SURFACE	SQ FT	1,752	
	SP	X6063401	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12	FOOT	31,336	
	SP	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	
Δ	SP	Z0076600	TRAINEES	hour	1,500	
	SP	XX003313	REMOVE AND REINSTALL BRICK PAVER	SQ FT	279	
	SP	XX006947	HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT	SQ YD	5,350	

Δ Y080

FILE NAME =	USER NAME =	DESIGNED -- THK	REVISED -- AMS 1/22/10
		DRAWN -- JFP-JEP	REVISED -- AMS 1/29/10
	PLOT SCALE =	CHECKED -- JLC	REVISED --
	PLOT DATE =	DATE -- 1/22/10	REVISED --

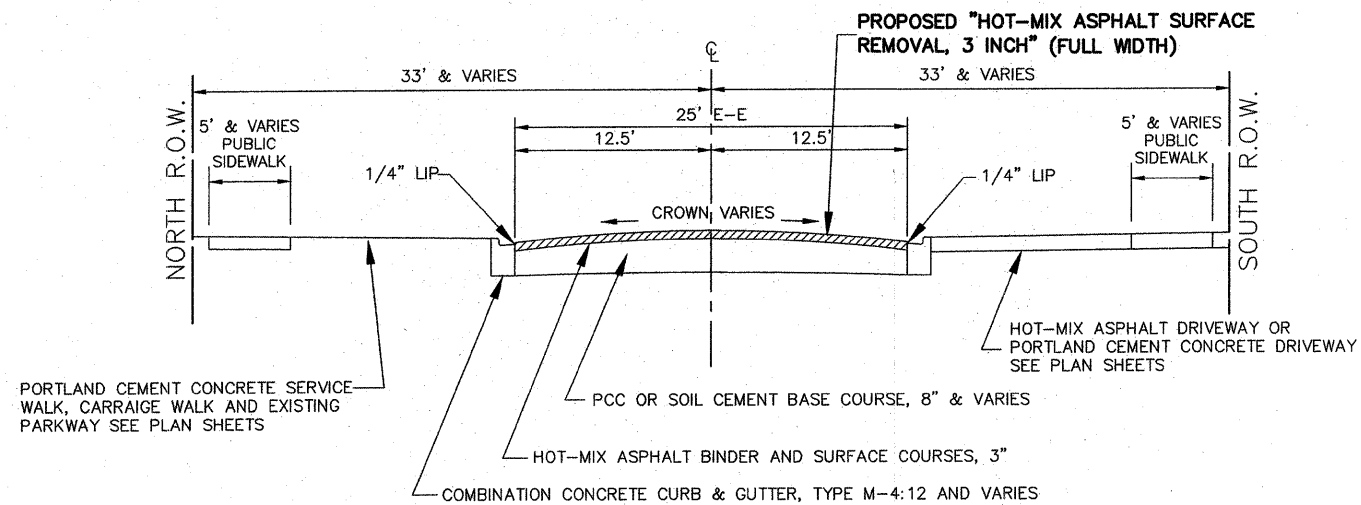
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES, JOINT DETAILS, &
SUMMARY OF QUANTITIES**

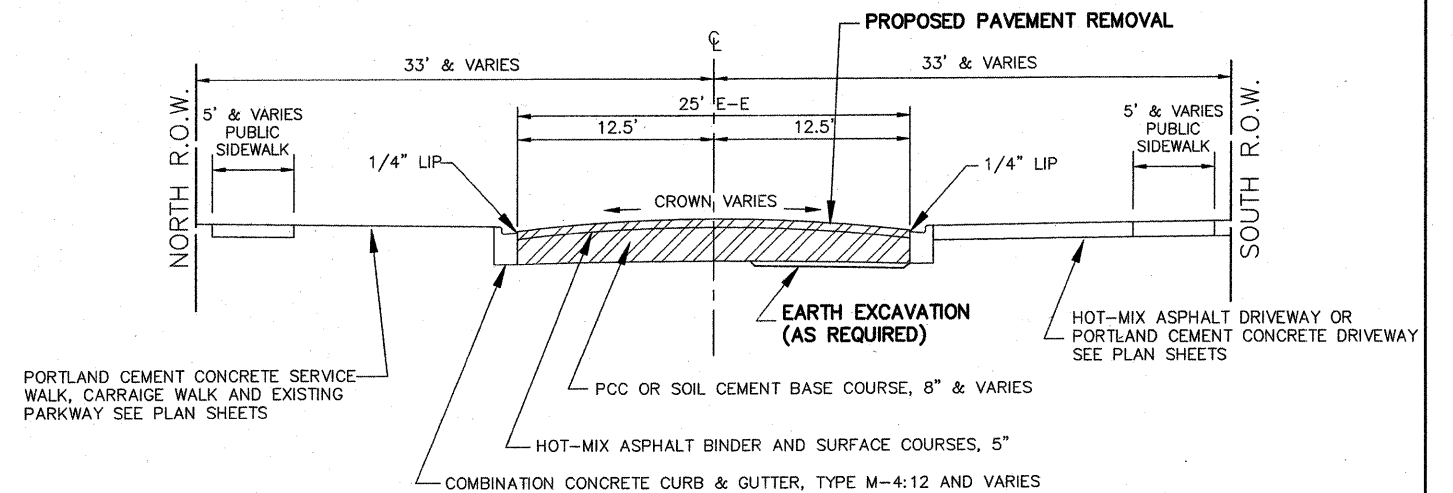
SCALE: SHEET NO. OF SHEETS STA. TO STA.

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ILLINOIS PROFESSIONAL DESIGN FIRM NO. 084-000026

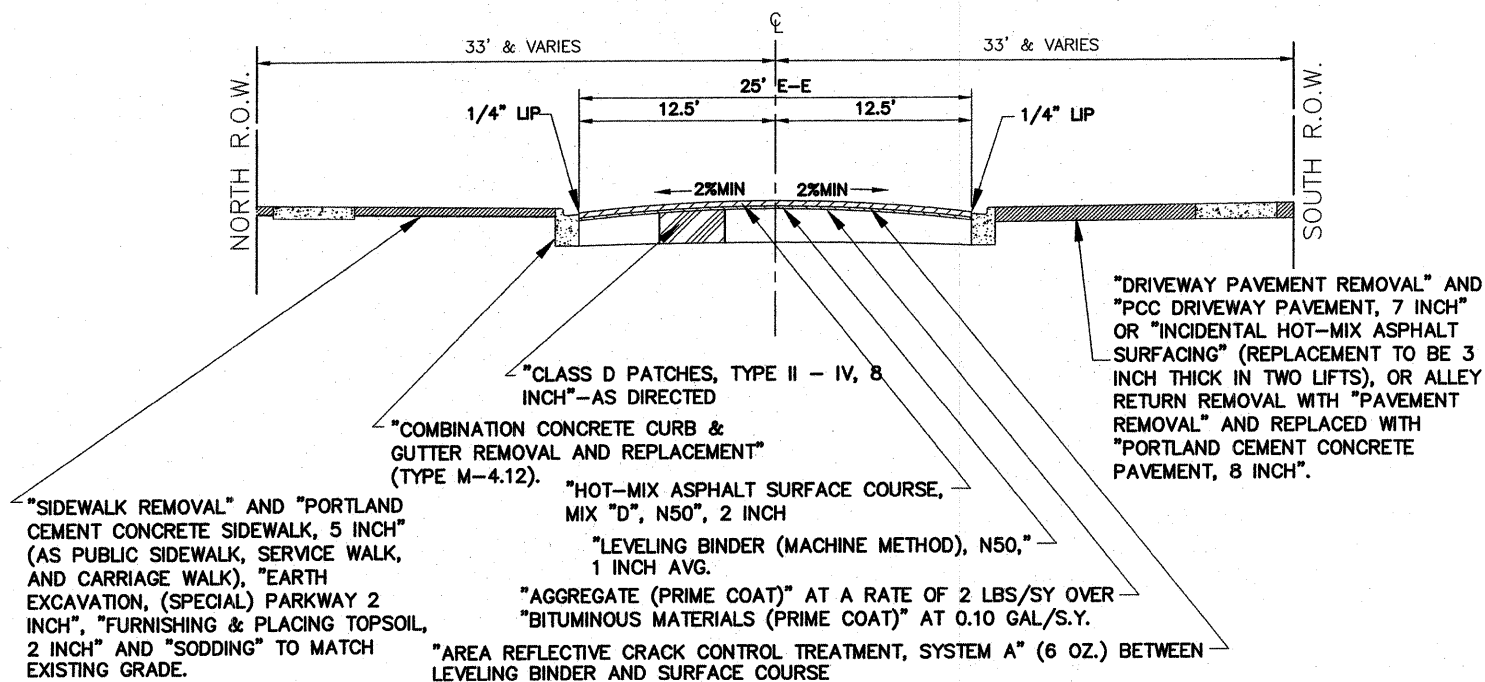
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	09-00047-00-RS	COOK	57	2
CONTRACT NO. 63443				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HPP-0797(123)				



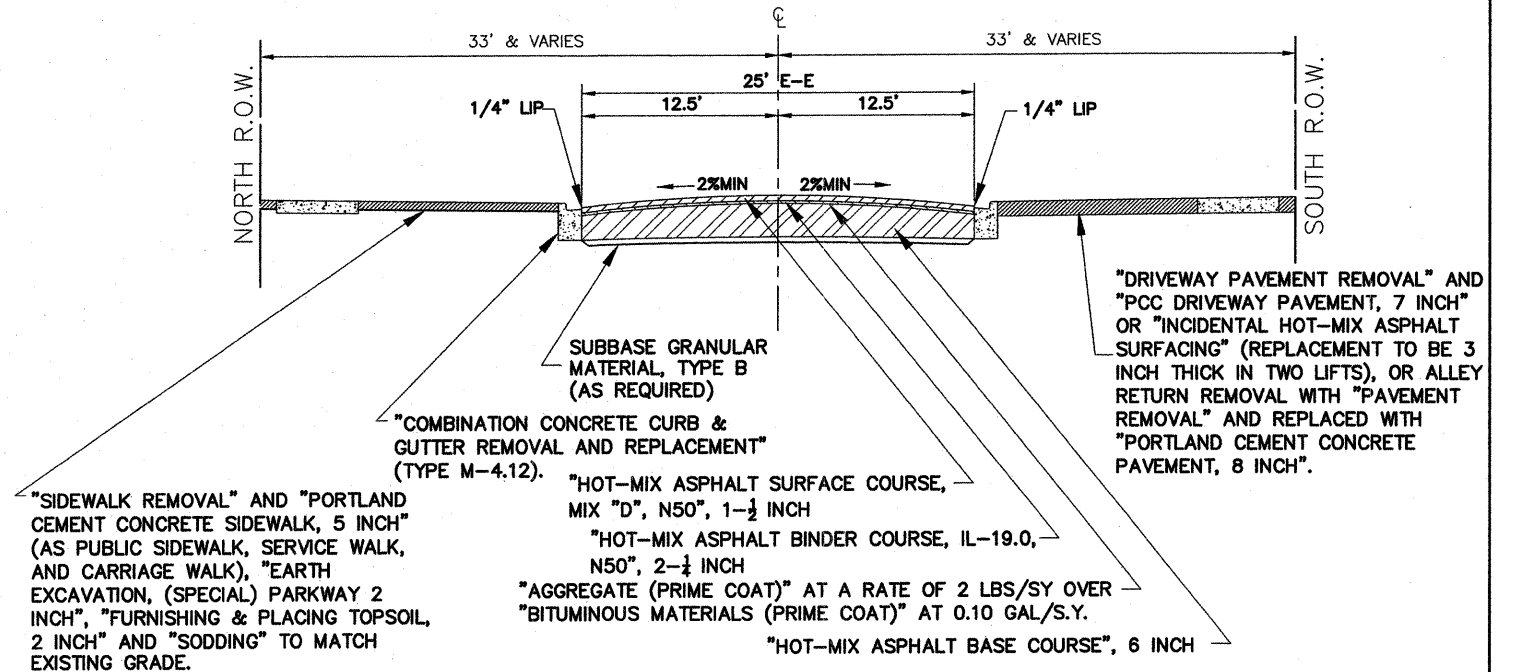
EXISTING TYPICAL SECTION
83RD STREET, STA 0+55 TO STA 119+00



EXISTING TYPICAL SECTION
83RD STREET, STA 119+00 TO STA 158+85



PROPOSED TYPICAL SECTION
83RD STREET, STA 0+55 TO STA 119+00



PROPOSED TYPICAL SECTION
83RD STREET, STA 119+00 TO STA 158+85

TYPICAL CROSS SECTIONS

SCALE: 1"=6'

TYPICAL CROSS SECTIONS

SCALE: 1"=6'

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		CHECKED -- JLC	REVISED --
		DATE -- 1/22/10	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL CROSS SECTIONS

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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Illinois Professional Design Firm No. 184-080288

F.A.R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	09-00047-00-RS	COOK	57	3
CONTRACT NO. 63443				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HPP-0797(123)				

NOTE: CONTRACTOR SHALL MILL BEFORE PATCHING.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

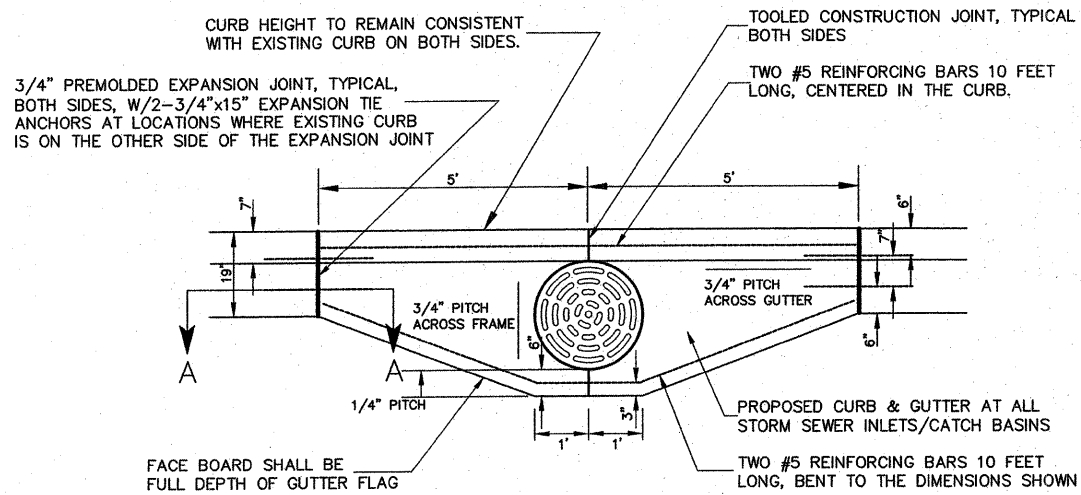
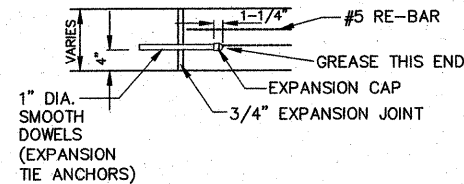
MIXTURE TYPE	PERCENT AIR VOIDS
ROADWAY	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1-1/2" OR 2" (IL-9.5 mm)	4% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2-1/4" (IL-19 mm)	4% @ 50 GYR
LEVELING BINDER (MACHINE METHOD), N50, 1" (IL-9.5 mm)	4% @ 50 GYR
HOT-MIX ASPHALT BASE COURSE, 6" (HMA BINDER IL-19 mm)	4% @ 50 GYR
DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2" (IL-9.5 mm)	4% @ 50 GYR
HOT-MIX ASPHALT BASE COURSE, HMA BINDER (IL-19.0mm, N50), 2-1/4"	4% @ 50 GYR
PATCHING	
CLASS D PATCHES, TYPE II-IV, 8", (HMA BINDER IL-19.0 mm)	4% @ 70 GYR

THE UNIT WEIGHT TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/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"

**SECTION A-A
SMOOTH DOWEL DETAIL
AT EXPANSION JOINT**



THE ADDITIONAL COST TO BUILD THIS GUTTER FLARE AROUND THE DRAINAGE STRUCTURE SHALL BE INCLUDED IN THE COST OF COMB. CURB AND GUTTER REMOVAL AND REPLACEMENT.

THIS GUTTER FLARE SHALL BE CONSTRUCTED AROUND CLOSED LID STRUCTURES THAT FALL IN THE CURB LINE. WHERE TWO STRUCTURES FALL IN THE CURB LINE, THE FLARE SHALL BE COMBINED.

**CURB & GUTTER DETAIL
AT DRAINAGE STRUCTURE**

SCHEDULE OF DRIVEWAYS

CENTERLINE STATION	OFFSET CENTERLINE	WIDTH AT PROPERTY LINE (FT.)	MATERIAL TYPE	CENTERLINE STATION	OFFSET CENTERLINE	WIDTH AT PROPERTY LINE (FT.)	MATERIAL TYPE	CENTERLINE STATION	OFFSET CENTERLINE	WIDTH AT PROPERTY LINE (FT.)	MATERIAL TYPE
00+88	R	32	PCC	80+24	R	12	HMA	104+16	R	18	PCC
01+60	L	28	PCC	80+78	L	16	HMA	104+50	L	12	HMA
02+12	R	30	PCC	80+90	R	12	HMA	105+24	L	12	HMA
03+40	R	18	PCC	81+56	R	22	PCC	105+34	R	20	HMA
05+88	L	26	HMA	81+86	L	20	PCC	107+24	R	16	HMA
07+56	L	32	HMA	82+20	R	16	PCC	108+22	L	16	HMA
08+54	L	16	HMA	82+90	R	20	HMA	108+32	R	16	HMA
11+40	L	40	HMA	83+56	R	22	HMA	108+76	L	14	HMA
11+72	R	30	HMA	84+16	L	16	PCC	109+04	R	16	HMA
14+56	L	24	HMA	84+16	R	14	PCC	109+72	R	16	HMA
15+62	L	26	HMA	84+79	L	12	PCC	110+20	L	16	PCC
17+56	L	12	PCC	84+82	R	12	HMA	110+73	R	22	HMA
18+30	L	13	PCC	87+18	L	14	PCC	110+76	L	16	PCC
18+80	L	24	PCC	87+80	L	14	PCC	111+36	L	16	PCC
19+52	L	26	PCC	87+84	R	18	PCC	111+42	R	20	HMA
24+64	R	28	HMA	88+28	L	14	HMA	111+88	R	24	HMA
24+72	L	12	HMA	89+24	L	14	HMA	114+02	R	16	HMA
27+86	R	36	HMA	89+72	L	14	HMA	114+26	L	22	HMA
27+88	L	30	HMA	70+28	L	14	HMA	115+12	L	20	PCC
28+78	R	26	HMA	70+76	L	12	PCC	115+26	R	18	HMA
31+14	L	28	HMA	70+80	R	18	PCC	115+64	R	18	HMA
31+68	R	22	PCC	72+06	R	48	HMA	116+54	R	16	HMA
32+60	R	20	PCC	73+26	L	24	HMA	117+24	R	16	HMA
35+72	R	42	HMA	73+74	L	26	PCC	117+98	L	20	HMA
37+12	R	20	HMA	74+00	R	20	HMA	118+24	R	20	HMA
37+76	R	18	HMA	74+24	R	16	HMA	120+86	L	44	HMA
38+32	L	24	HMA	76+56	L	26	HMA	123+98	L	16	HMA
38+42	R	20	HMA	77+06	L	21	HMA	124+58	R	30	HMA
40+62	L	18	PCC	78+60	R	20	PCC	127+16	L	21	HMA
41+06	L	16	PCC	79+84	L	22	HMA	127+32	R	20	HMA
41+08	R	16	PCC	80+32	L	28	HMA	128+10	R	20	HMA
41+38	R	14	PCC	82+32	L	24	PCC	130+52	L	20	HMA
41+72	L	16	PCC	83+26	L	32	HMA	130+58	R	22	HMA
41+88	R	14	PCC	86+52	L	16	PCC	131+54	R	22	HMA
42+28	L	16	PCC	87+36	L	16	PCC	134+00	R	16	PCC
42+32	R	16	PCC	87+36	R	30	HMA	134+54	L	12	PCC
42+80	L	16	PCC	87+76	L	16	PCC	134+80	R	14	PCC
42+84	R	16	PCC	88+70	R	12	HMA	135+14	L	14	PCC
43+08	R	16	HMA	89+04	L	18	PCC	135+86	R	14	PCC
43+44	L	16	PCC	89+48	L	20	PCC	135+76	L	16	PCC
43+64	R	12	PCC	90+00	R	16	HMA	136+06	L	40	HMA
44+00	L	20	HMA	90+04	L	16	PCC	136+52	R	12	PCC
44+28	R	36	HMA	90+92	L	20	PCC	136+94	L	16	PCC
44+86	L	20	PCC	90+96	R	16	HMA	137+20	R	12	PCC
45+08	R	26	PCC	91+84	L	12	HMA	137+84	L	12	PCC
45+68	R	16	HMA	92+36	L	20	PCC	137+86	R	14	PCC
45+74	L	16	HMA	92+92	L	20	PCC	138+48	L	16	PCC
46+16	R	16	HMA	93+32	L	16	HMA	139+14	L	16	HMA
46+50	R	16	HMA	93+82	L	16	HMA	139+54	L	14	PCC
46+60	L	20	HMA	93+82	R	16	HMA	140+52	L	16	PCC
47+24	R	26	HMA	94+46	L	16	HMA	141+19	R	20	PCC
47+36	L	16	PCC	94+62	R	22	HMA	142+90	L	16	HMA
47+98	R	22	HMA	95+38	R	30	HMA	143+22	L	16	HMA
48+16	L	26	PCC	95+68	L	14	HMA	143+58	R	14	HMA
48+74	R	26	HMA	96+34	R	28	PCC	143+90	L	22	PCC
49+00	L	20	HMA	96+68	L	12	HMA	143+96	R	14	HMA
49+42	R	28	HMA	96+90	R	20	PCC	144+80	R	14	PCC
49+74	L	20	HMA	97+28	L	12	PCC	145+00	L	20	HMA
50+24	R	24	HMA	97+56	R	20	PCC	147+48	R	22	HMA
50+48	L	30	HMA	98+16	R	22	PCC	148+26	R	16	PCC
51+00	R	24	HMA	98+30	L	12	PCC	149+76	L	50	HMA
51+30	L	24	PCC	98+82	R	22	PCC	150+68	R	14	HMA
52+08	R	22	HMA	98+94	L	12	PCC	151+39	R	14	HMA
52+54	L	20	HMA	99+00	L	90	PCC	152+10	R	14	HMA
54+38	R	16	PCC	100+48	L	12	PCC	154+06	R	20	HMA
54+56	L	26	HMA	100+94	L	20	HMA	154+30	L	26	HMA
54+86	R	12	PCC	101+24	R	26	HMA	154+40	R	20	HMA
55+66	R	28	HMA	101+54	L	16	HMA	155+16	L	20	HMA
56+26	R	16	HMA	101+68	R	20	HMA	155+34	R	26	HMA
56+70	L	16	HMA	102+36	L	24	HMA	155+76	L	16	HMA
56+90	R	16	HMA	102+40	R	12	PCC	156+08	L	26	HMA
57+50	R	16	PCC	103+26	L	14	HMA	156+28	L	40	HMA
57+68	L	16	HMA	103+26	R	12	PCC	158+36	R	24	PCC
58+26	L	16	HMA								

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

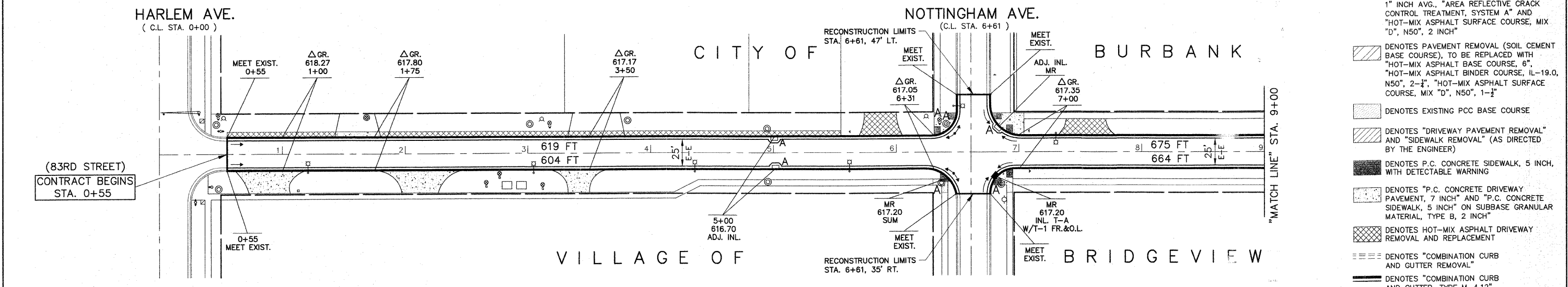
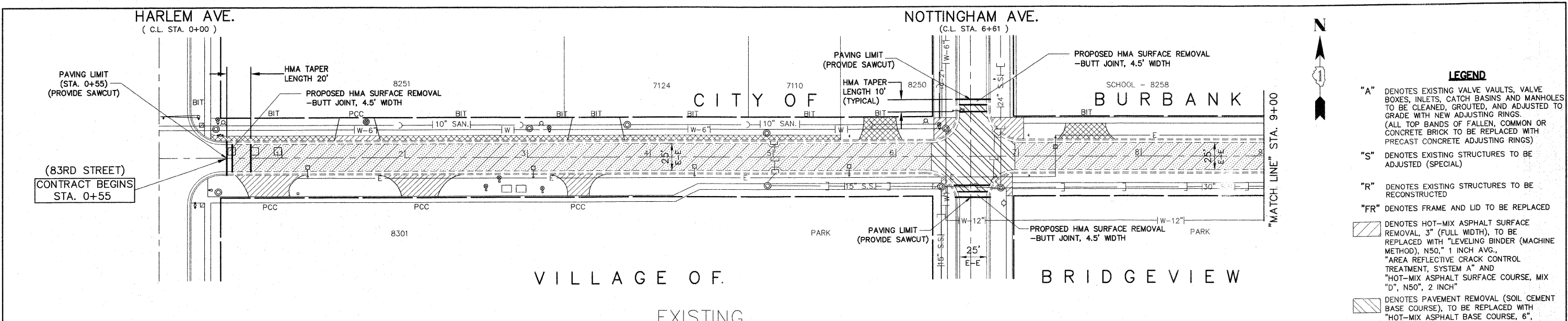
HOT-MIX ASPHALT MIXTURE REQUIREMENTS,
SCHEDULE OF DRIVEWAYS, AND PROJECT DETAILS

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

Frank Novotny & Associates, Inc.
Civil Engineers
Municipal Consultants
655 Midway Drive • Wilmette, IL • 60091 • Telephone: (847) 857-8640 • Fax: (847) 857-0132
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 194-00068

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	09-00047-00-RS	COOK	57	4
CONTRACT NO. 63443				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HPP-0797(123)				

FILE NAME =	USER NAME =	DESIGNED -- THK	REVISED -- AMS 1/22/10
		DRAWN -- JFP-JEP	REVISED -- AMS 1/29/10
PLOT SCALE =	CHECKED -- JLC	REVISED --	
PLOT DATE =	DATE -- 1/22/10	REVISED --	

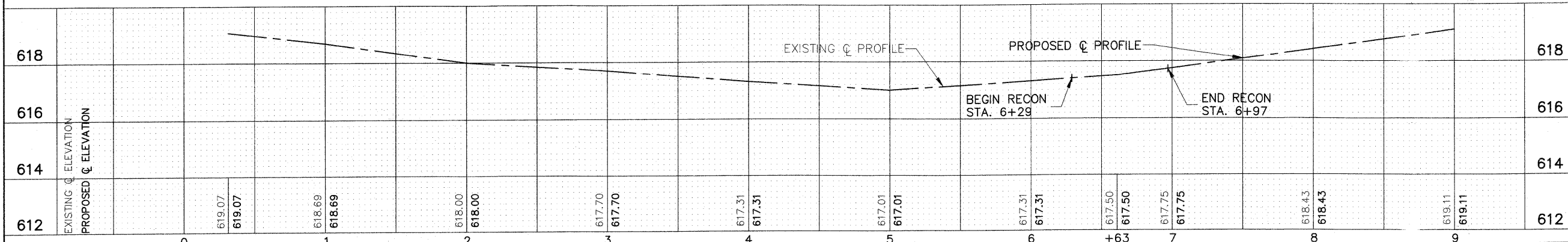


- LEGEND**
- "A" DENOTES EXISTING VALVE VAULTS, VALVE BOXES, INLETS, CATCH BASINS AND MANHOLES TO BE CLEANED, GROUTED, AND ADJUSTED TO GRADE WITH NEW ADJUSTING RINGS. (ALL TOP BANDS OF FALLEN COMMON OR CONCRETE BRICK TO BE REPLACED WITH PRECAST CONCRETE ADJUSTING RINGS)
 - "S" DENOTES EXISTING STRUCTURES TO BE ADJUSTED (SPECIAL)
 - "R" DENOTES EXISTING STRUCTURES TO BE RECONSTRUCTED
 - "FR" DENOTES FRAME AND LID TO BE REPLACED
 - [Symbol] DENOTES HOT-MIX ASPHALT SURFACE REMOVAL, 3" (FULL WIDTH), TO BE REPLACED WITH "LEVELING BINDER (MACHINE METHOD), N50," 1 INCH AVG., "AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A" AND "HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50", 2 INCH"
 - [Symbol] DENOTES PAVEMENT REMOVAL (SOIL CEMENT BASE COURSE), TO BE REPLACED WITH "HOT-MIX ASPHALT BASE COURSE, 6", "LEVELING BINDER (MACHINE METHOD), N50, 1" INCH AVG., "AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A" AND "HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50", 2 INCH"
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 - [Symbol] DENOTES EXISTING PCC BASE COURSE
 - [Symbol] DENOTES "DRIVEWAY PAVEMENT REMOVAL" AND "SIDEWALK REMOVAL" (AS DIRECTED BY THE ENGINEER)
 - [Symbol] DENOTES P.C. CONCRETE SIDEWALK, 5 INCH, WITH DETECTABLE WARNING
 - [Symbol] DENOTES "P.C. CONCRETE DRIVEWAY PAVEMENT, 7 INCH" AND "P.C. CONCRETE SIDEWALK, 5 INCH" ON SUBBASE GRANULAR MATERIAL, TYPE B, 2 INCH"
 - [Symbol] DENOTES HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT
 - [Symbol] DENOTES "COMBINATION CURB AND GUTTER REMOVAL"
 - [Symbol] DENOTES "COMBINATION CURB AND GUTTER, TYPE M-4.12"

NOTE:

- 1 ALL EXISTING FRAMES AND LIDS THAT ARE TO BE REPLACED (AS DIRECTED BY THE ENGINEER) SHALL BE SALVAGED TO THE CONTRACTOR.
- 2 ALL SAWCUTS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE REMOVAL PAY ITEMS

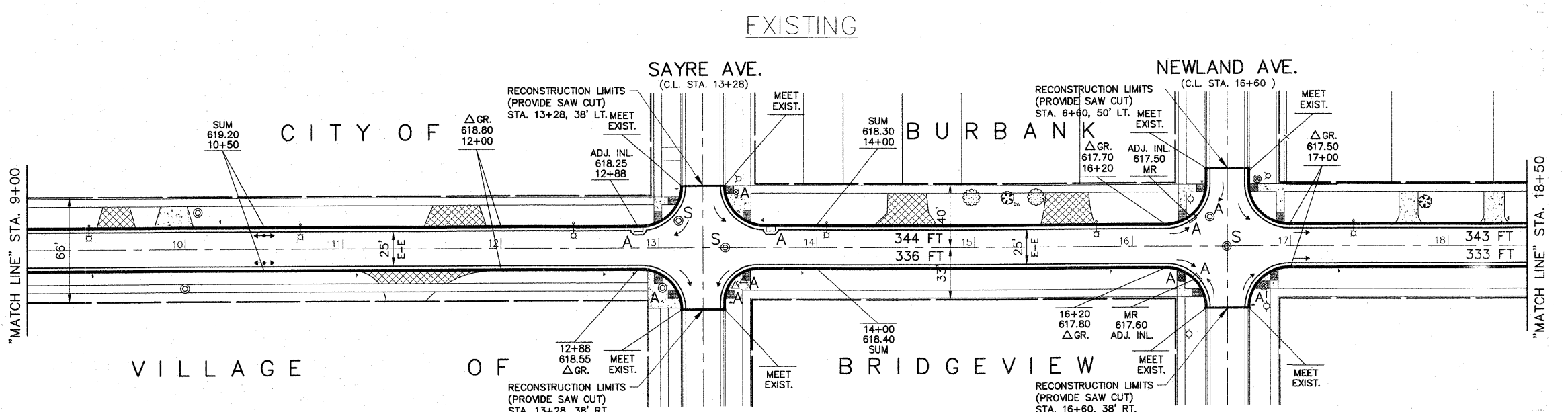
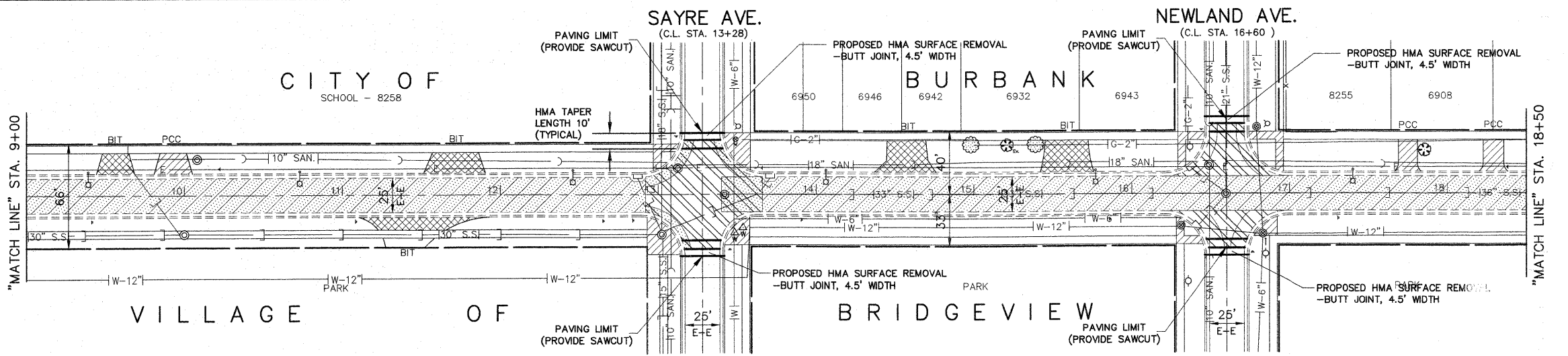
BENCHMARK
 NNW BOLT ON HYDRANT AT NW CORNER OF 83RD ST. & NOTTINGHAM AVE.
 ELEV. 619.10



FOR TYPICAL CROSS SECTION OF NEW PAVEMENT WORK SEE SHEET 3

IMPORTANT!
 FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

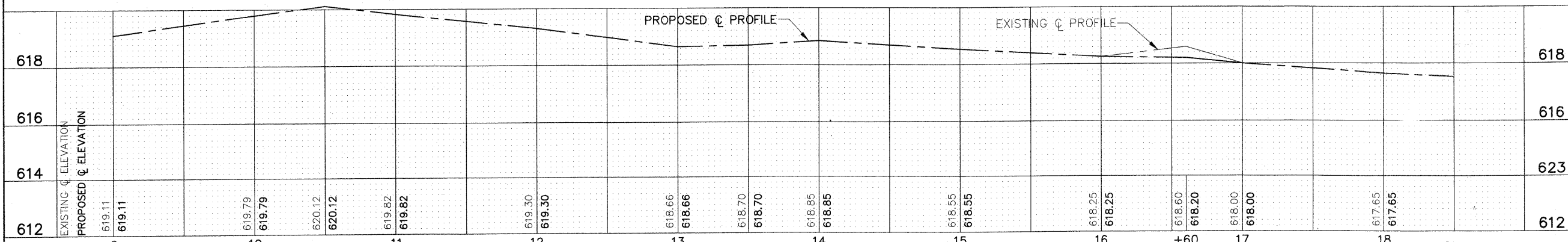
FILE NAME =	USER NAME =	DESIGNED - THK	REVISED - AMS 1/22/10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN: 83RD STREET - HARLEM AVENUE TO STA. 9+00 (RESURFACING)	F.A. R.T.E. =	SECTION = 09-00047-00-RS	COUNTY = COOK	TOTAL SHEETS = 57	SHEET NO. = 5		
PLOT SCALE = 1" = 40'	CHECKED - JLC	REVISOR -	DATE - 1/22/10			SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	CONTRACT NO. 63443			
PLOT DATE =	DATE -	REVISOR -	REVISOR -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HPP-0797(123)						
Frank Novotny & Associates, Inc. <small>655 Midway Drive • Wilmette, IL • 60571 • Telephone: (630) 887-8640 • Fax: (630) 887-4132 Civil Engineers Municipal Consultants ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-000928</small>												



- LEGEND**
- "A" DENOTES EXISTING VALVE VAULTS, VALVE BOXES, INLETS, CATCH BASINS AND MANHOLES TO BE CLEANED, GROUTED, AND ADJUSTED TO GRADE WITH NEW ADJUSTING RINGS. (ALL TOP BANDS OF FALLEN, COMMON OR CONCRETE BRICK TO BE REPLACED WITH PRECAST CONCRETE ADJUSTING RINGS)
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 - [Hatched pattern] DENOTES HOT-MIX ASPHALT SURFACE REMOVAL, 3" (FULL WIDTH), TO BE REPLACED WITH "LEVELING BINDER (MACHINE METHOD), N50," 1 INCH AVG., "AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A" AND "HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50", 2 INCH"
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 - [Dotted pattern] DENOTES EXISTING PCC BASE COURSE
 - [Hatched pattern] DENOTES "DRIVEWAY PAVEMENT REMOVAL" AND "SIDEWALK REMOVAL" (AS DIRECTED BY THE ENGINEER)
 - [Dotted pattern] DENOTES P.C. CONCRETE SIDEWALK, 5 INCH, WITH DETECTABLE WARNING
 - [Dotted pattern] DENOTES "P.C. CONCRETE DRIVEWAY PAVEMENT, 7 INCH" AND "P.C. CONCRETE SIDEWALK, 5 INCH" ON SUBBASE GRANULAR MATERIAL, TYPE B, 2 INCH"
 - [Hatched pattern] DENOTES HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT
 - [Dashed line] DENOTES "COMBINATION CURB AND GUTTER REMOVAL"
 - [Solid line] DENOTES "COMBINATION CURB AND GUTTER, TYPE M-4.12"

BENCHMARKS
 BOLT ON HYDRANT AT NE CORNER OF 83RD ST. & SAYRE AVE. ELEV. 620.21
 ENE BOLT ON HYDRANT AT NE CORNER OF 83RD ST. & NEWLAND AVE. ELEV. 619.50

PROPOSED 83RD STREET



- NOTE:**
- 1 ALL EXISTING FRAMES AND LIDS THAT ARE TO BE REPLACED (AS DIRECTED BY THE ENGINEER) SHALL BE SALVAGED TO THE CONTRACTOR.
 - 2 ALL SAWCUTS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE REMOVAL PAY ITEMS

FOR TYPICAL CROSS SECTION OF NEW PAVEMENT WORK SEE SHEET 3

IMPORTANT!
 FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

Frank Novotny & Associates, Inc.
 Civil Engineers
 625 Midway Drive • Wilmette, IL • 60571 • Telephone: (630) 897-8640 • Fax: (630) 897-0123
 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 104-009708

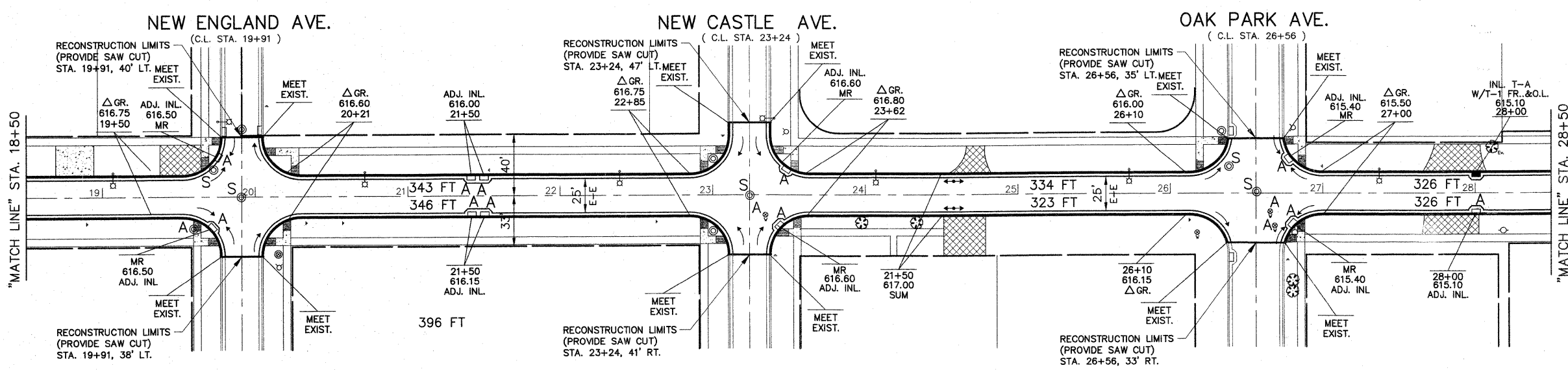
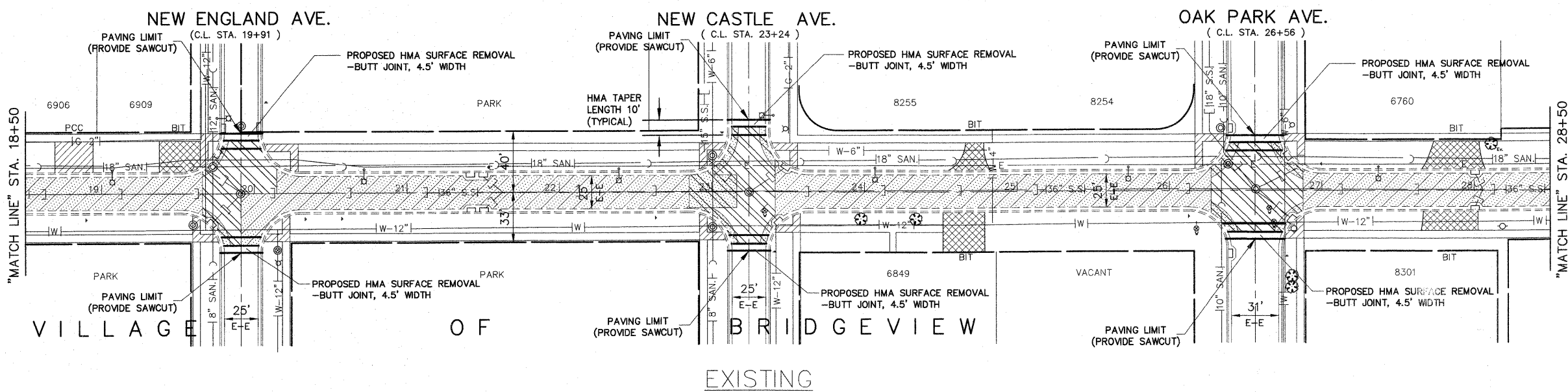
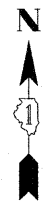
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		DRAWN - JFP-JEP	REVISED -
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	PLOT DATE =	DATE - 1/22/10	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PLAN: 83RD STREET -
 STA. 9+00 TO STA. 18+50 (RESURFACING)**

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

F.A. -	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
RTE. -	09-00047-00-RS	COOK	57	6
CONTRACT NO. 63443				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HPP-0797(123)				

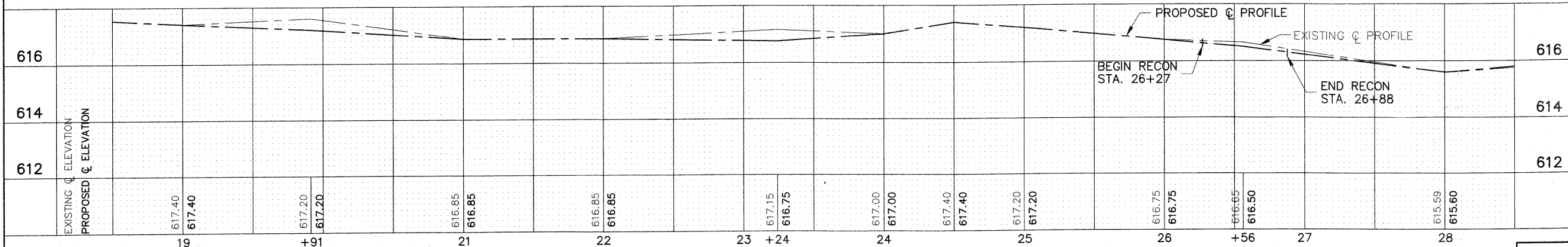


- LEGEND**
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NOTE:

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BENCHMARK
ENE BOLT ON HYDRANT AT NE CORNER OF 83RD ST. & OAK PARK AVE.
ELEV. 617.39



FOR TYPICAL CROSS SECTION OF NEW PAVEMENT WORK SEE SHEET 3

IMPORTANT!
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

FILE NAME =	USER NAME =	DESIGNED - THK	REVISED - AMS 1/22/10
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	PLOT DATE =	DATE - 1/22/10	REVISED -

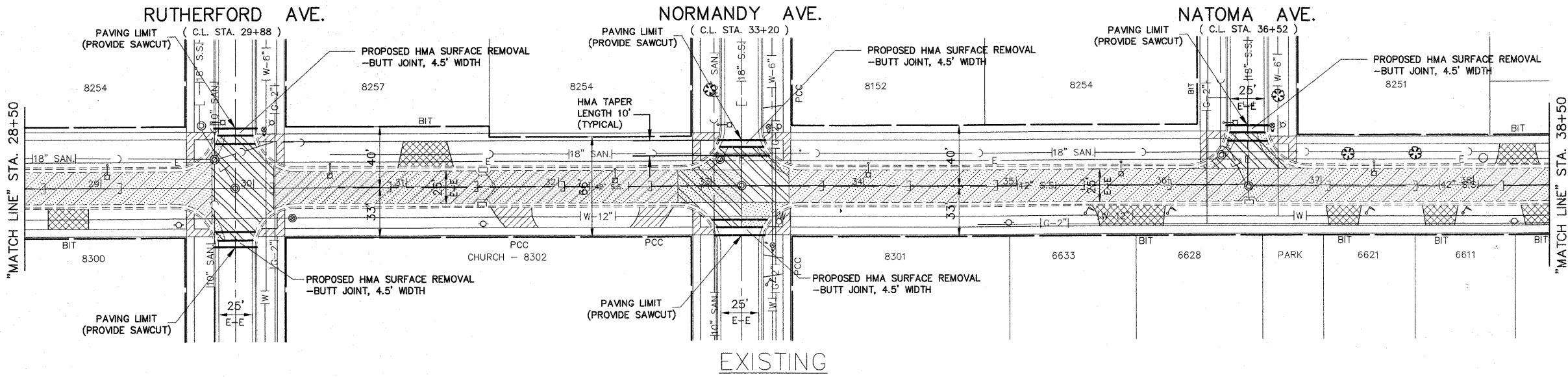
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN: 83RD STREET -
STA. 18+50 TO STA. 26+50 (RESURFACING)**

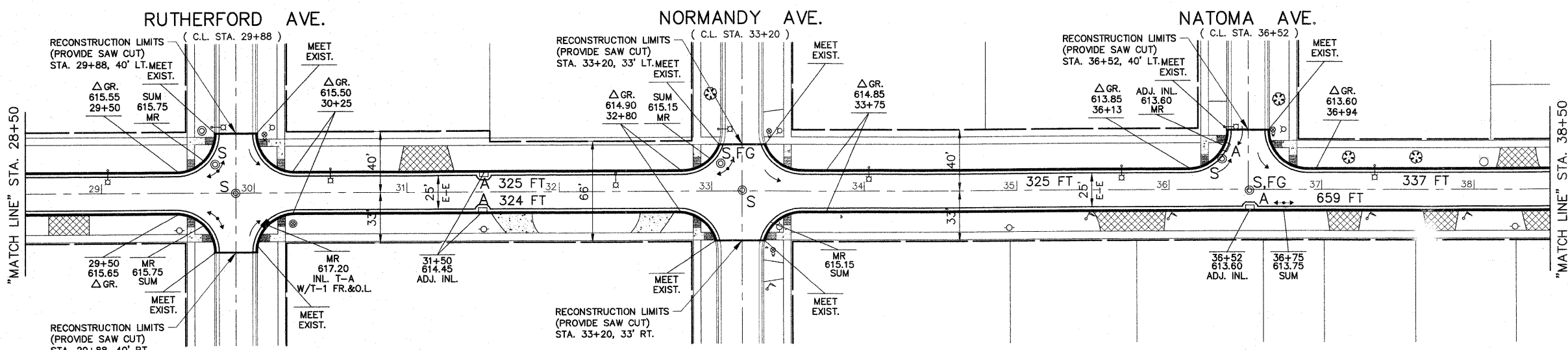
SCALE: SHEET NO. OF SHEETS STA. TO STA.

Frank Novotny & Associates, Inc.
Civil Engineers
Illinois Professional Design Firm No. 104-00920

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	09-00047-00-RS	COOK	57	7
CONTRACT NO. 63443				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HPP-0797(123)				



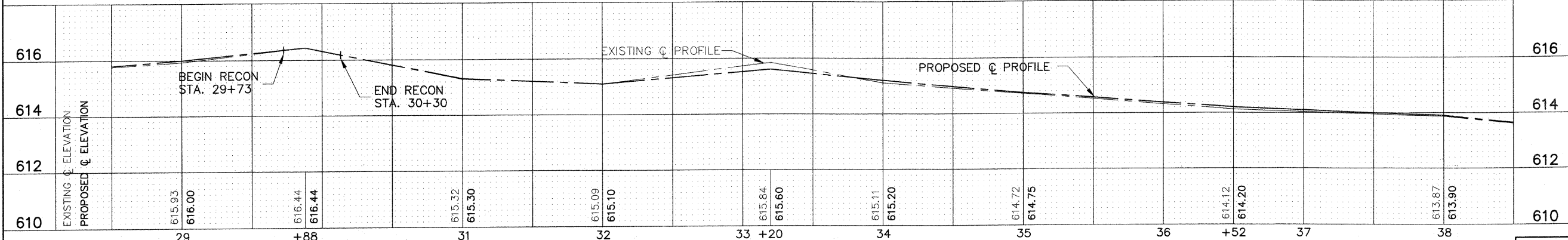
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 - [Pattern] DENOTES "DRIVEWAY PAVEMENT REMOVAL" AND "SIDEWALK REMOVAL" (AS DIRECTED BY THE ENGINEER)
 - [Pattern] DENOTES P.C. CONCRETE SIDEWALK, 5 INCH, WITH DETECTABLE WARNING
 - [Pattern] DENOTES "P.C. CONCRETE DRIVEWAY PAVEMENT, 7 INCH" AND "P.C. CONCRETE SIDEWALK, 5 INCH" ON SUBBASE GRANULAR MATERIAL, TYPE B, 2 INCH"
 - [Pattern] DENOTES HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT
 - [Pattern] DENOTES "COMBINATION CURB AND GUTTER REMOVAL"
 - [Pattern] DENOTES "COMBINATION CURB AND GUTTER, TYPE M-4.12"



BENCHMARKS
 ENE BOLT ON HYDRANT AT NE CORNER OF 83RD ST. & NATOMA AVE. ELEV. 615.27
 ENE BOLT ON HYDRANT AT NE CORNER OF 83RD ST. & NORMANDY AVE. ELEV. 616.30

**PROPOSED
83RD STREET**

- NOTE:**
- 1 ALL EXISTING FRAMES AND LIDS THAT ARE TO BE REPLACED (AS DIRECTED BY THE ENGINEER) SHALL BE SALVAGED TO THE CONTRACTOR.
 - 2 ALL SAWCUTS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE REMOVAL PAY ITEMS



FOR TYPICAL CROSS SECTION OF NEW PAVEMENT WORK SEE SHEET 3

IMPORTANT!
 FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

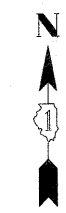
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		DRAWN - JFP-JEP	REVISED -
	PLOT SCALE = 1"=40'	CHECKED - JLC	REVISED -
	PLOT DATE =	DATE - 1/22/10	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN: 83RD STREET -
STA. 28+50 TO STA. 38+50 (RESURFACING)**

Frank Novotny & Associates, Inc.
 625 Midway Drive • Willowbrook, IL • 60527 • Telephone: (630) 807-8640 • Fax: (630) 807-8132
 Civil Engineers
 Municipal Consultants
 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-080228

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	09-00047-00-RS	COOK	57	8
CONTRACT NO. 63443				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT HPP-0797(123)		



LEGEND

- "A" DENOTES EXISTING VALVE VAULTS, VALVE BOXES, INLETS, CATCH BASINS AND MANHOLES TO BE CLEANED, GROUTED, AND ADJUSTED TO GRADE WITH NEW ADJUSTING RINGS. (ALL TOP BANDS OF FALLEN, COMMON OR CONCRETE BRICK TO BE REPLACED WITH PRECAST CONCRETE ADJUSTING RINGS)
- "S" DENOTES EXISTING STRUCTURES TO BE ADJUSTED (SPECIAL)
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- DENOTES HOT-MIX ASPHALT SURFACE REMOVAL, 3" (FULL WIDTH), TO BE REPLACED WITH "LEVELING BINDER (MACHINE METHOD), N50, 1 INCH AVG., "AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A" AND "HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50", 2 INCH"
- DENOTES PAVEMENT REMOVAL (SOIL CEMENT BASE COURSE), TO BE REPLACED WITH "HOT-MIX ASPHALT BASE COURSE, 6", "LEVELING BINDER (MACHINE METHOD), N50, 1" INCH AVG., "AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A" AND "HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50", 2 INCH"
- DENOTES PAVEMENT REMOVAL (SOIL CEMENT BASE COURSE), TO BE REPLACED WITH "HOT-MIX ASPHALT BASE COURSE, 6", "HOT-MIX ASPHALT BINDER COURSE, 1L-19.0, N50", 2-1/2", "HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50", 1-1/2"
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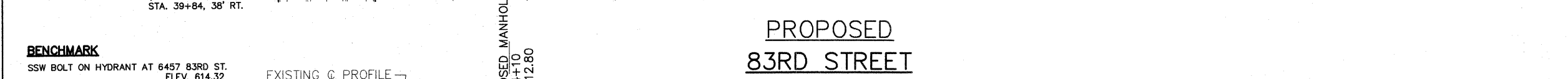
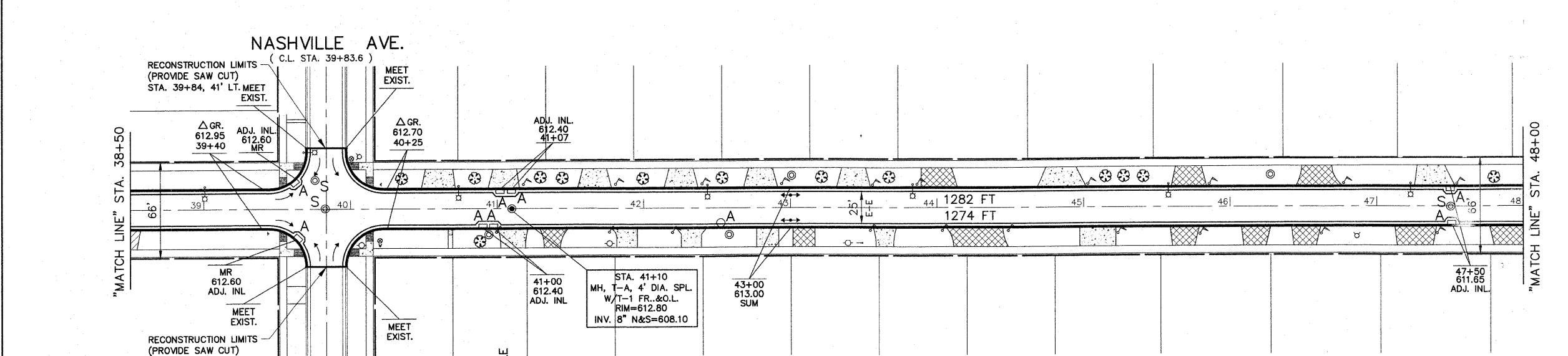
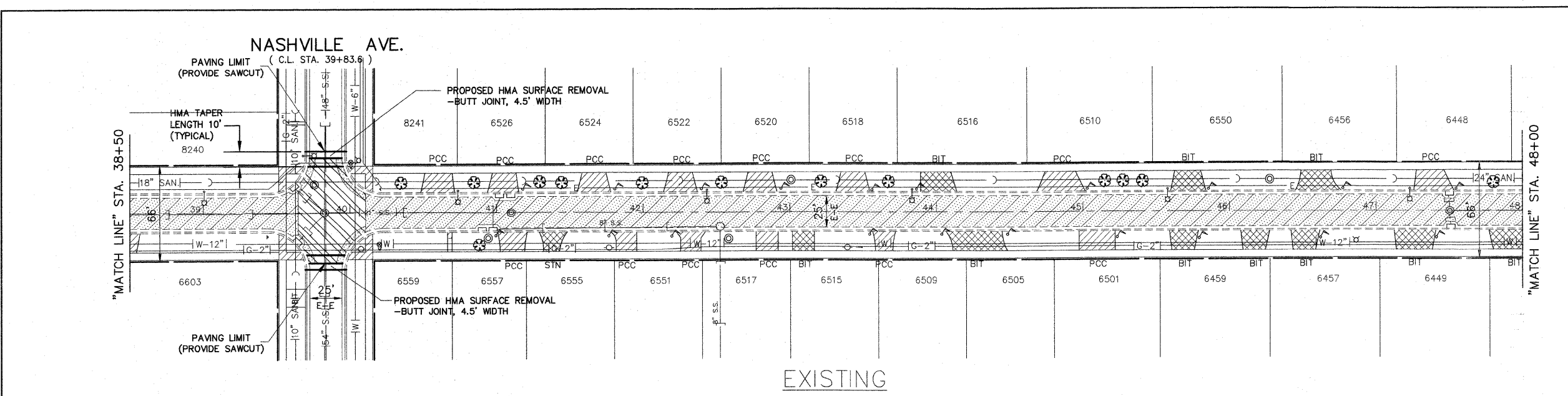
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 - ② ALL SAWCUTS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE REMOVAL PAY ITEMS

FOR TYPICAL CROSS SECTION OF NEW PAVEMENT WORK SEE SHEET 3

IMPORTANT!
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Frank Novotny & Associates, Inc.
 Civil Engineers
 Municipal Consultants
 635 Midway Drive • Wilmette, IL • 60571 • Telephone: (630) 887-8640 • Fax: (630) 887-4132
 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-00078

F.A. -	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
RTE. -	09-00047-00-RS	COOK	57	9
CONTRACT NO. 63443				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HPP-0797(123)				



EXISTING ELEVATION	PROPOSED ELEVATION	STATION	PROPOSED ELEVATION	EXISTING ELEVATION
612		39	612	612
610		39	610	610
608		39	608	608
606		39	606	606
		39		
		+83.6		
		41		
		42		
		43		
		44		
		45		
		46		
		47		
		48		

FILE NAME =	USER NAME =	DESIGNED - THK	REVISED - AMS 1/22/10
		DRAWN - JFP-JEP	REVISED -
		CHECKED - JLC	REVISED -
		DATE - 1/22/10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN: 83RD STREET -
STA. 38+50 TO STA. 48+00 (RESURFACING)

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



LEGEND

- "A" DENOTES EXISTING VALVE VAULTS, VALVE BOXES, INLETS, CATCH BASINS AND MANHOLES TO BE CLEANED, GROUTED, AND ADJUSTED TO GRADE WITH NEW ADJUSTING RINGS. (ALL TOP BANDS OF FALLEN, COMMON OR CONCRETE BRICK TO BE REPLACED WITH PRECAST CONCRETE ADJUSTING RINGS)
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- DENOTES PAVEMENT REMOVAL (SOIL CEMENT BASE COURSE), TO BE REPLACED WITH "HOT-MIX ASPHALT BASE COURSE, 6", "HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50", 2-1/2", "HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50", 1-1/2"
- DENOTES EXISTING PCC BASE COURSE
- DENOTES "DRIVEWAY PAVEMENT REMOVAL" AND "SIDEWALK REMOVAL" (AS DIRECTED BY THE ENGINEER)
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- DENOTES "P.C. CONCRETE DRIVEWAY PAVEMENT, 7 INCH" AND "P.C. CONCRETE SIDEWALK, 5 INCH" ON SUBBASE GRANULAR MATERIAL, TYPE B, 2 INCH"
- DENOTES HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT
- DENOTES "COMBINATION CURB AND GUTTER REMOVAL"
- DENOTES "COMBINATION CURB AND GUTTER, TYPE M-4.12"

- NOTE:**
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FOR TYPICAL CROSS SECTION OF NEW PAVEMENT WORK SEE SHEET 3

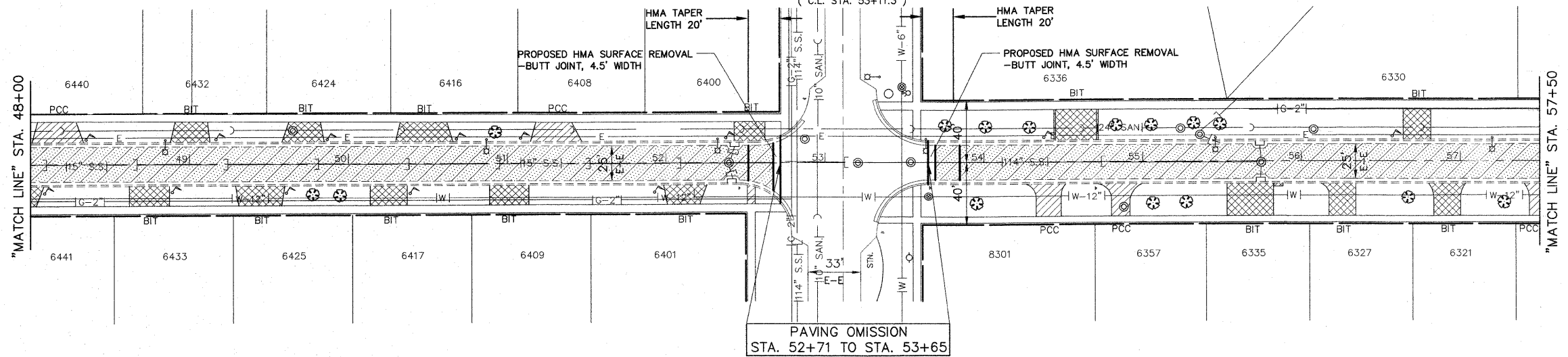
IMPORTANT!

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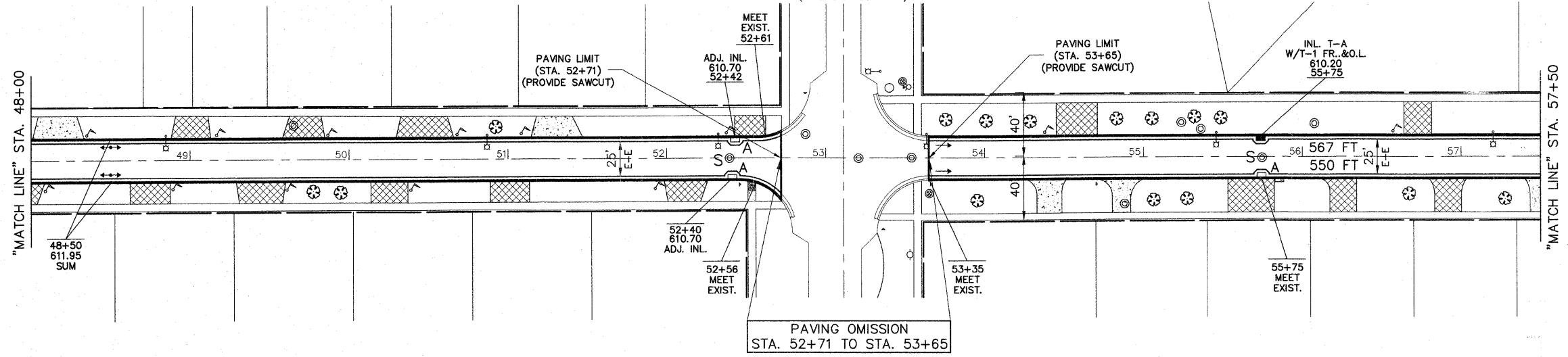
Frank Novotny & Associates, Inc.
 825 Midway Drive • Willowbrook, IL • 60527 • Telephone: (630) 887-8640 • Fax: (630) 887-4133
 Civil Engineers
 Municipal Consultants
 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-00028

F.A. -	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
RTE. -	09-00047-00-RS	COOK	57	10
CONTRACT NO. 63443				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT HPP-0797(123)		

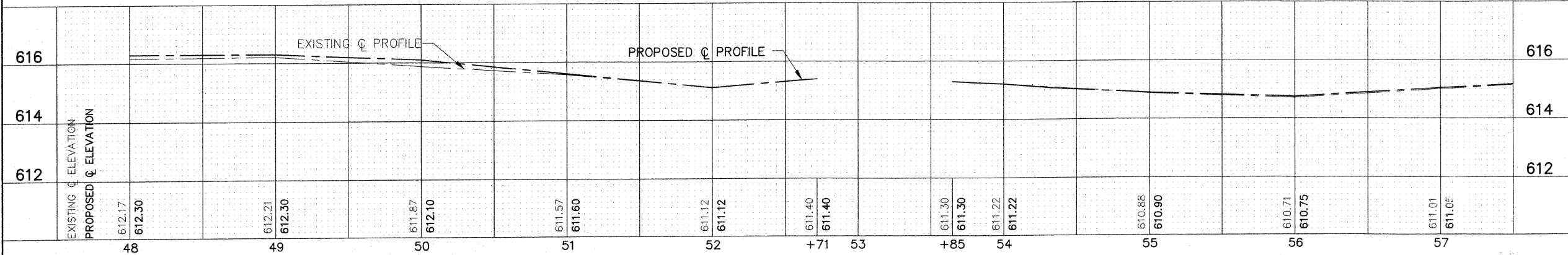
NARRAGANSETT AVE.
(C.L. STA. 53+11.3)



NARRAGANSETT AVE.
(C.L. STA. 53+11.3)



**PROPOSED
83RD STREET**

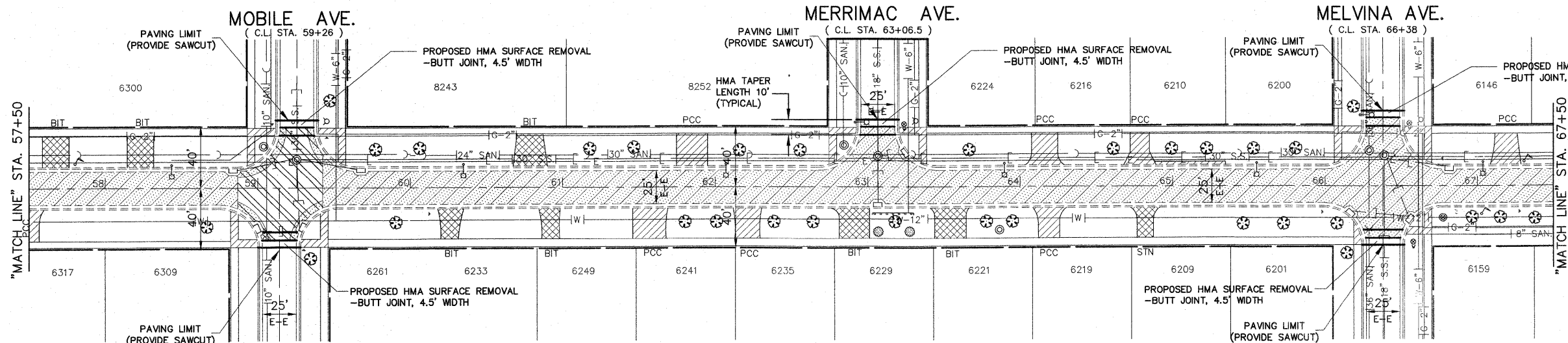


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	PLOT DATE =		

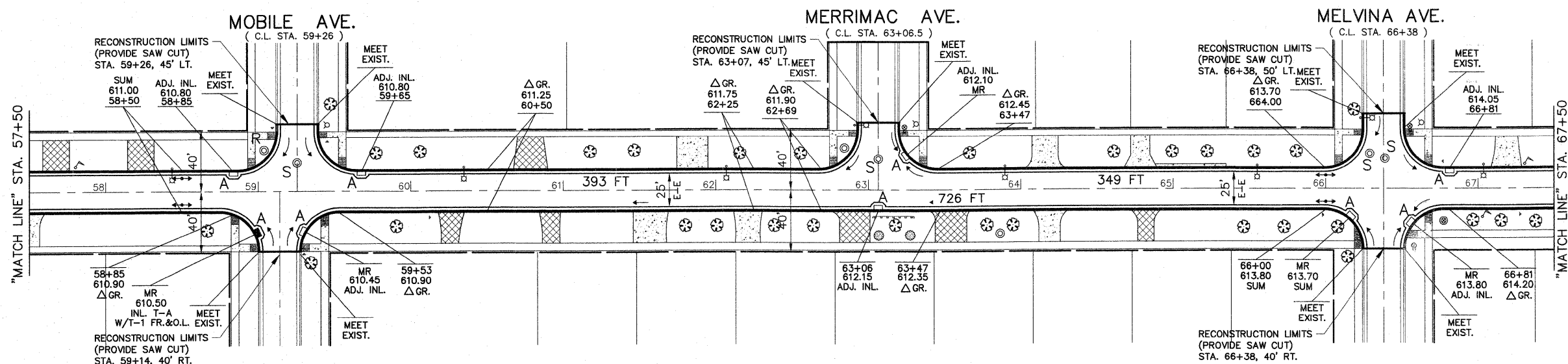
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN: 83RD STREET -
STA. 48+00 TO STA. 57+50 (RESURFACING)**

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



EXISTING

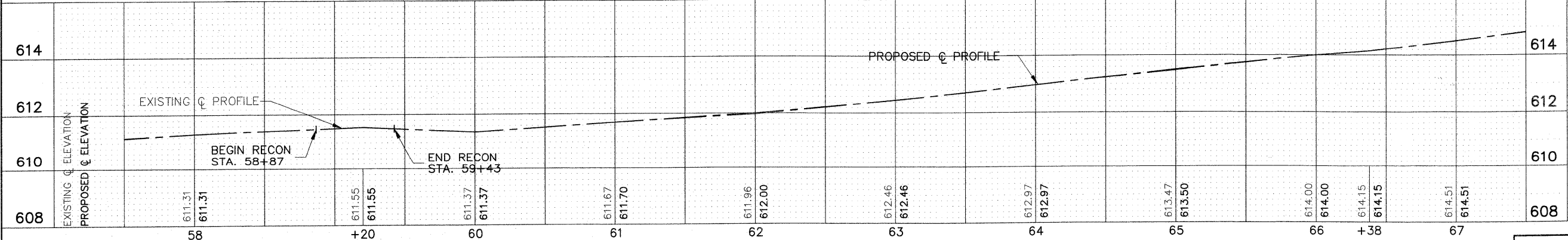


PROPOSED
83RD STREET

- LEGEND**
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 - [Symbol] DENOTES HOT-MIX ASPHALT SURFACE REMOVAL, 3" (FULL WIDTH), TO BE REPLACED WITH "LEVELING BINDER (MACHINE METHOD), N50, 1 INCH AVG., "AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A" AND "HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50", 2 INCH"
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 - [Symbol] DENOTES PAVEMENT REMOVAL (SOIL CEMENT BASE COURSE), TO BE REPLACED WITH "HOT-MIX ASPHALT BASE COURSE, 8", "HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50", 2-1/2", "HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50", 1-1/2"
 - [Symbol] DENOTES EXISTING PCC BASE COURSE
 - [Symbol] DENOTES "DRIVEWAY PAVEMENT REMOVAL" AND "SIDEWALK REMOVAL" (AS DIRECTED BY THE ENGINEER)
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BENCHMARKS
 ENE BOLT ON HYDRANT AT NE CORNER OF 83RD ST. & MOBILE AVE. ELEV. 613.27
 ESE BOLT ON HYDRANT AT NE CORNER OF 83RD ST. & MERRIMAC AVE. ELEV. 614.39



FOR TYPICAL CROSS SECTION OF NEW PAVEMENT WORK SEE SHEET 3

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FILE NAME =	USER NAME =	DESIGNED -- THK	REVISED -- AMS 1/22/10
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	PLOT SCALE = 1"=40'	CHECKED -- JLC	REVISED --
	PLOT DATE =	DATE -- 1/22/10	REVISED --

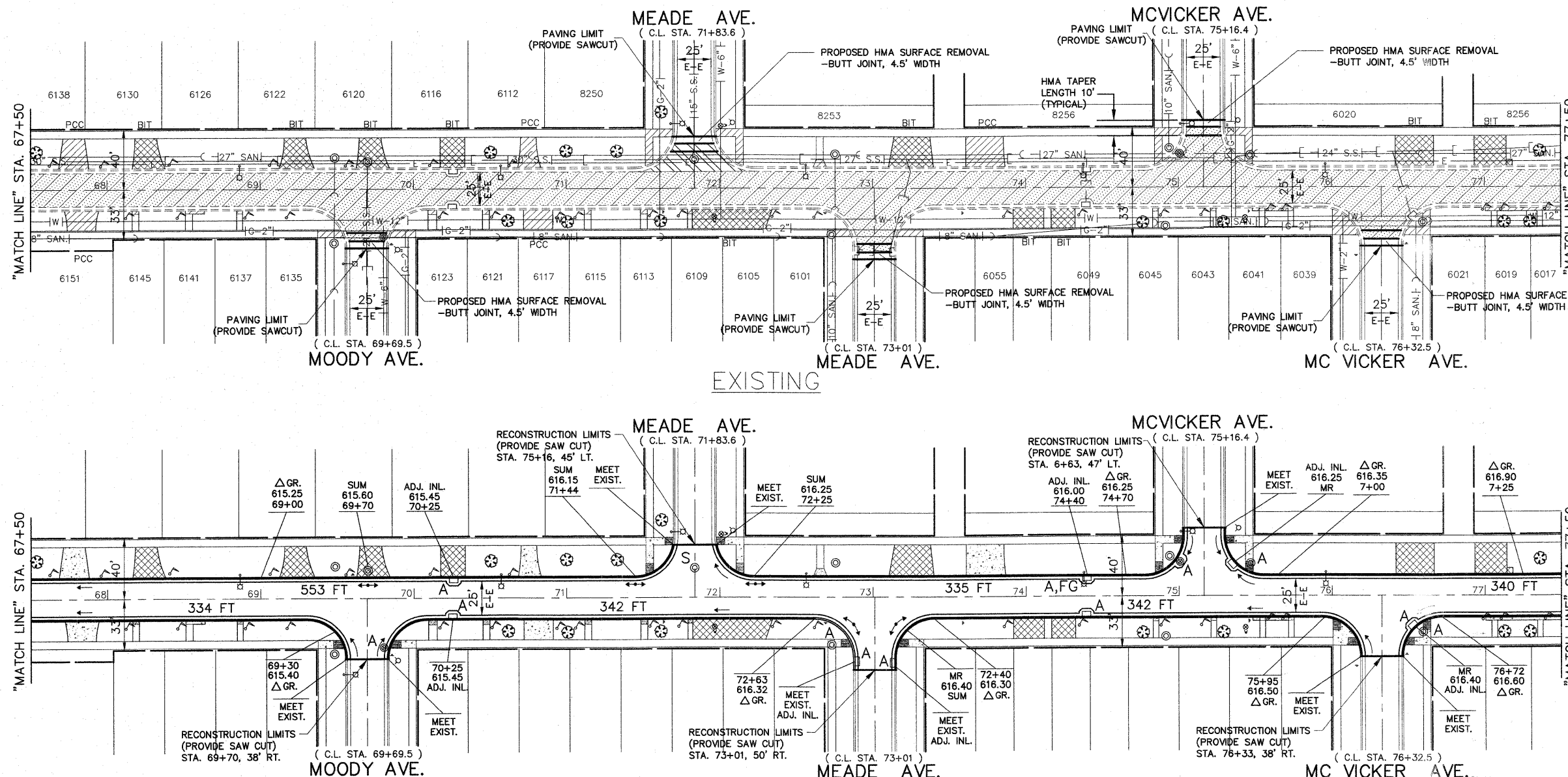
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN: 83RD STREET -
STA. 57+50 TO STA. 67+50 (RESURFACING)

Frank Novotny & Associates, Inc.
 Civil Engineers
 Municipal Consultants
 825 Midway Drive • Willowbrook, IL • 60527 • Telephone: (630) 887-8640 • Fax: (630) 887-4123
 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-080928

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	09-00047-00-RS	COOK	57	11
CONTRACT NO. 63443				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HPP-0797(123)				

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

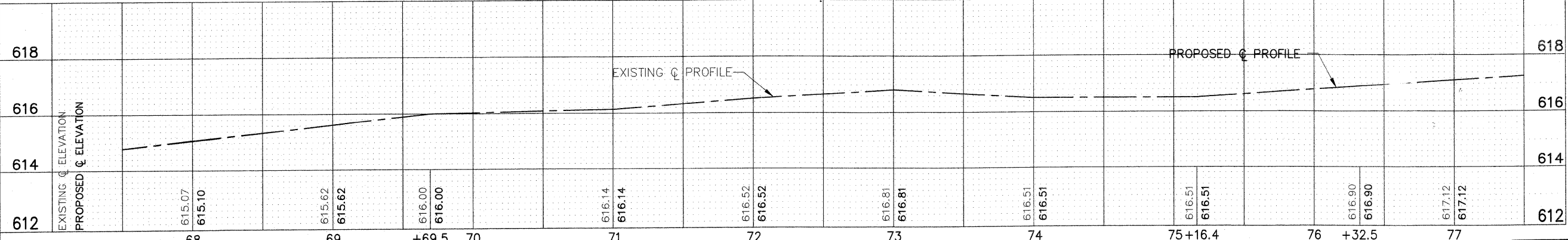


- LEGEND**
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BENCHMARKS
 SE BOLT ON HYDRANT AT SE CORNER OF 83RD ST. & MOODY AVE. ELEV. 617.84
 ESE BOLT ON HYDRANT AT NE CORNER OF 83RD ST. & MCVICKER AVE. ELEV. 618.55

**PROPOSED
83RD STREET**



FOR TYPICAL CROSS SECTION OF NEW PAVEMENT WORK SEE SHEET 3

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		DRAWN - JFP-JEP	REVISED -
		CHECKED - JLC	REVISED -
		DATE - 1/22/10	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

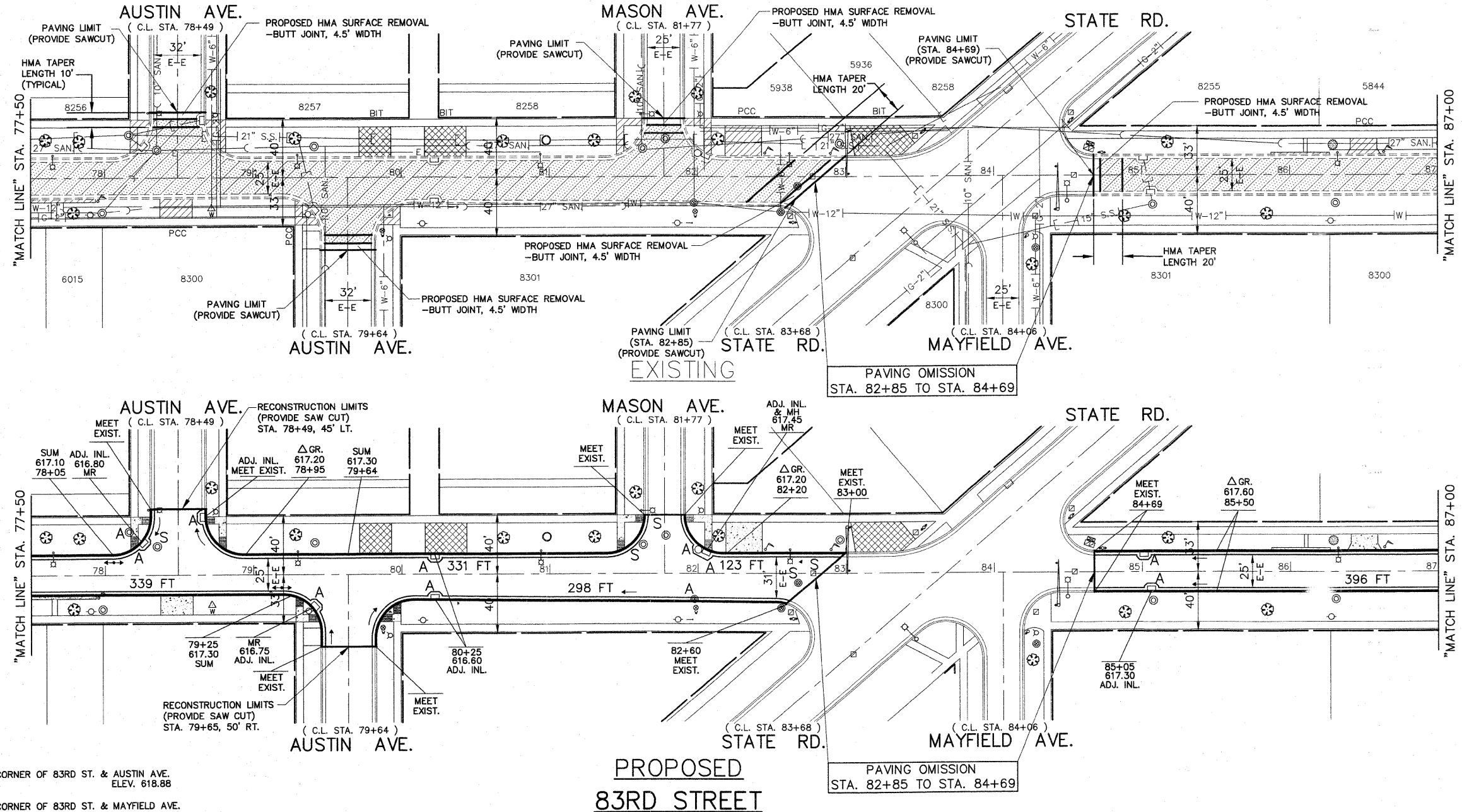
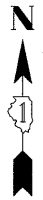
**PLAN: 83RD STREET -
STA. 67+50 TO STA. 77+50 (RESURFACING)**

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

Frank Novotny & Associates, Inc.
 825 Midway Drive • Willmetts, IL • 60091 • Telephone: (630) 887-8640 • Fax: (630) 887-8121
 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-000208

F.A. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	09-00047-00-RS	COOK	57	12

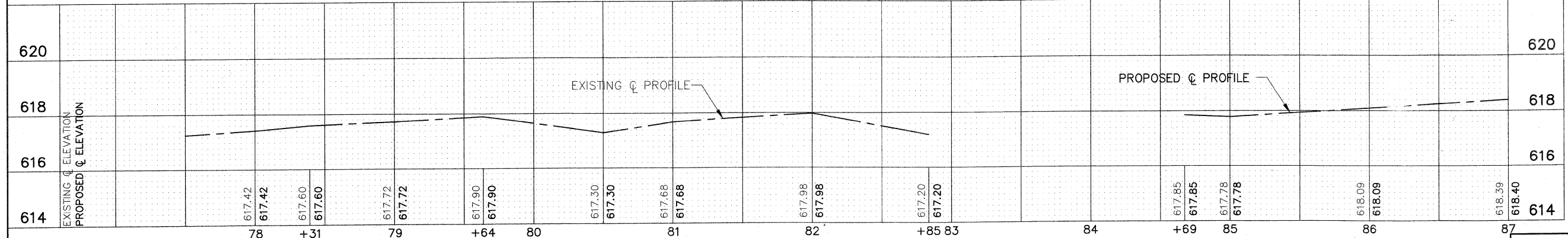
CONTRACT NO. 63443
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HPP-0797(123)



- LEGEND**
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BENCHMARKS
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 ESE BOLT ON HYDRANT AT SE CORNER OF 83RD ST. & MAYFIELD AVE. ELEV. 619.19

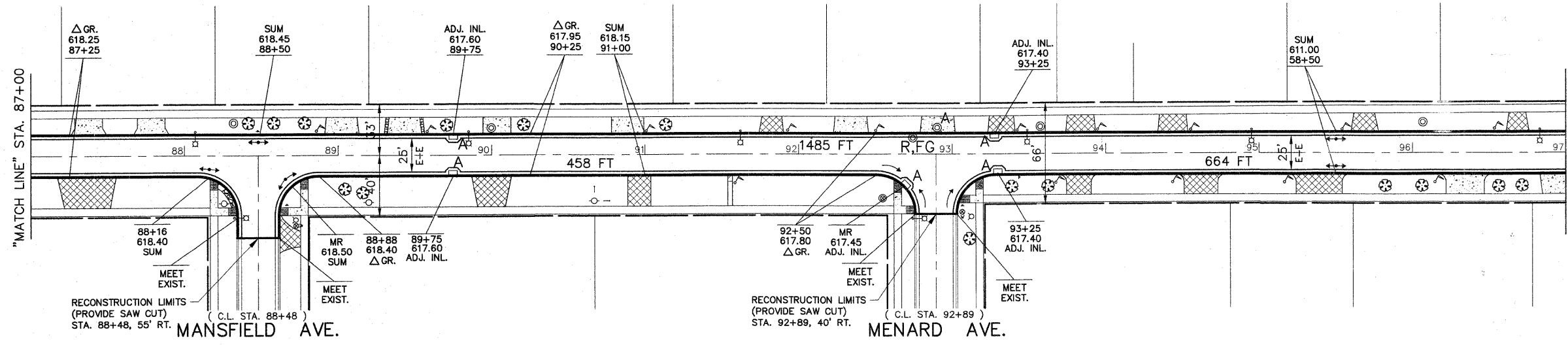
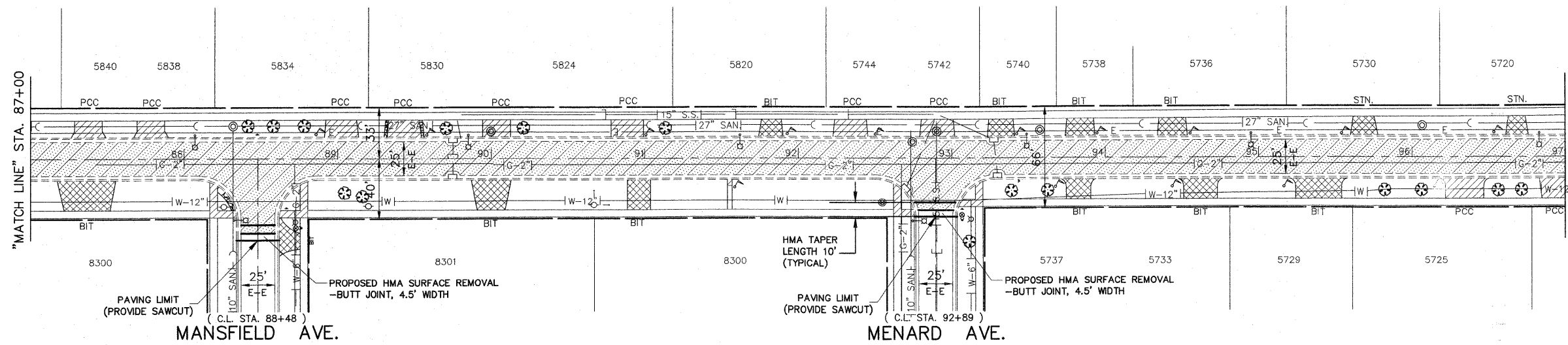


FOR TYPICAL CROSS SECTION OF NEW PAVEMENT WORK SEE SHEET 3

IMPORTANT!
 FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

FILE NAME =	USER NAME =	DESIGNED -- THK	REVISED -- AMS 1/22/10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN: 83RD STREET - STA. 77+50 TO STA. 87+00 (RESURFACING)	F.A. -	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -- JFP-JEP	REVISED --			09-00047-00-RS	COOK	57	13	
		CHECKED -- JLC	REVISED --			CONTRACT NO. 63443				
		DATE -- 1/22/10	REVISED --			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HPP-0797(123)				

Frank Novotny & Associates, Inc.
 825 Midway Drive • Willowbrook, IL • 60527 • Telephone: (630) 887-8640 • Fax: (630) 887-0133
 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-00023

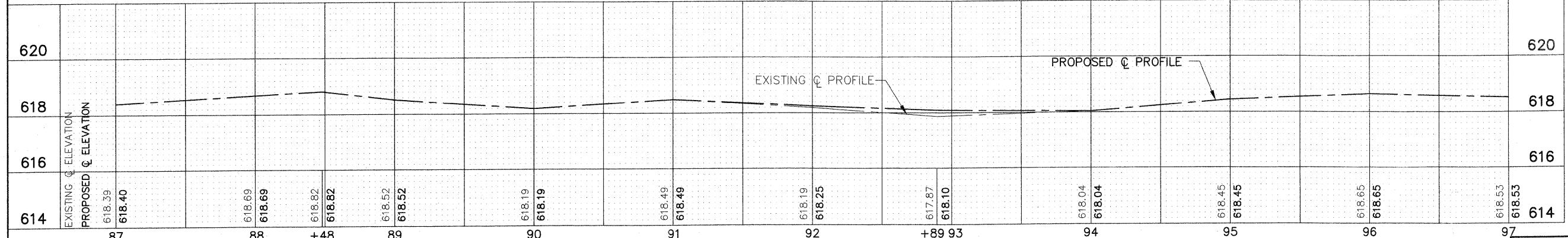


- LEGEND**
- "A" DENOTES EXISTING VALVE VAULTS, VALVE BOXES, INLETS, CATCH BASINS AND MANHOLES TO BE CLEANED, GROUTED, AND ADJUSTED TO GRADE WITH NEW ADJUSTING RINGS (ALL TOP BANDS OF FALLEN, COMMON OR CONCRETE BRICK TO BE REPLACED WITH PRECAST CONCRETE ADJUSTING RINGS)
 - "S" DENOTES EXISTING STRUCTURES TO BE ADJUSTED (SPECIAL)
 - "R" DENOTES EXISTING STRUCTURES TO BE RECONSTRUCTED
 - "FR" DENOTES FRAME AND LID TO BE REPLACED
 - [Symbol] DENOTES HOT-MIX ASPHALT SURFACE REMOVAL, 3" (FULL WIDTH), TO BE REPLACED WITH "LEVELING BINDER (MACHINE METHOD), N50, 1 INCH AVG., "AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A" AND "HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50", 2 INCH"
 - [Symbol] DENOTES PAVEMENT REMOVAL (SOIL CEMENT BASE COURSE), TO BE REPLACED WITH "HOT-MIX ASPHALT BASE COURSE, 6", "LEVELING BINDER (MACHINE METHOD), N50, 1 INCH AVG., "AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A" AND "HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50", 2 INCH"
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 - [Symbol] DENOTES EXISTING PCC BASE COURSE
 - [Symbol] DENOTES "DRIVEWAY PAVEMENT REMOVAL" AND "SIDEWALK REMOVAL" (AS DIRECTED BY THE ENGINEER)
 - [Symbol] DENOTES P.C. CONCRETE SIDEWALK, 5 INCH, WITH DETECTABLE WARNING
 - [Symbol] DENOTES "P.C. CONCRETE DRIVEWAY PAVEMENT, 7 INCH" AND "P.C. CONCRETE SIDEWALK, 5 INCH" ON SUBBASE GRANULAR MATERIAL, TYPE B, 2 INCH"
 - [Symbol] DENOTES HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT
 - [Symbol] DENOTES "COMBINATION CURB AND GUTTER REMOVAL"
 - [Symbol] DENOTES "COMBINATION CURB AND GUTTER, TYPE M-4.12"

- NOTE:**
- 1 ALL EXISTING FRAMES AND LIDS THAT ARE TO BE REPLACED (AS DIRECTED BY THE ENGINEER) SHALL BE SALVAGED TO THE CONTRACTOR.
 - 2 ALL SAWCUTS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE REMOVAL PAY ITEMS

BENCHMARKS
 ESE BOLT ON HYDRANT AT SE CORNER OF 83RD ST. & MANSFIELD AVE. ELEV. 620.52
 ESE BOLT ON HYDRANT AT SE CORNER OF 83RD ST. & MENARD AVE. ELEV. 619.58

**PROPOSED
83RD STREET**

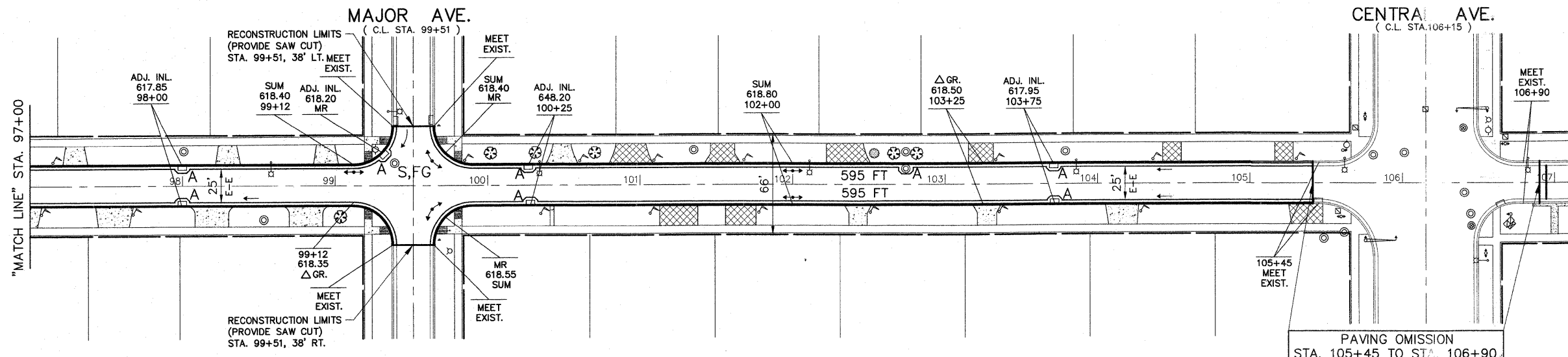
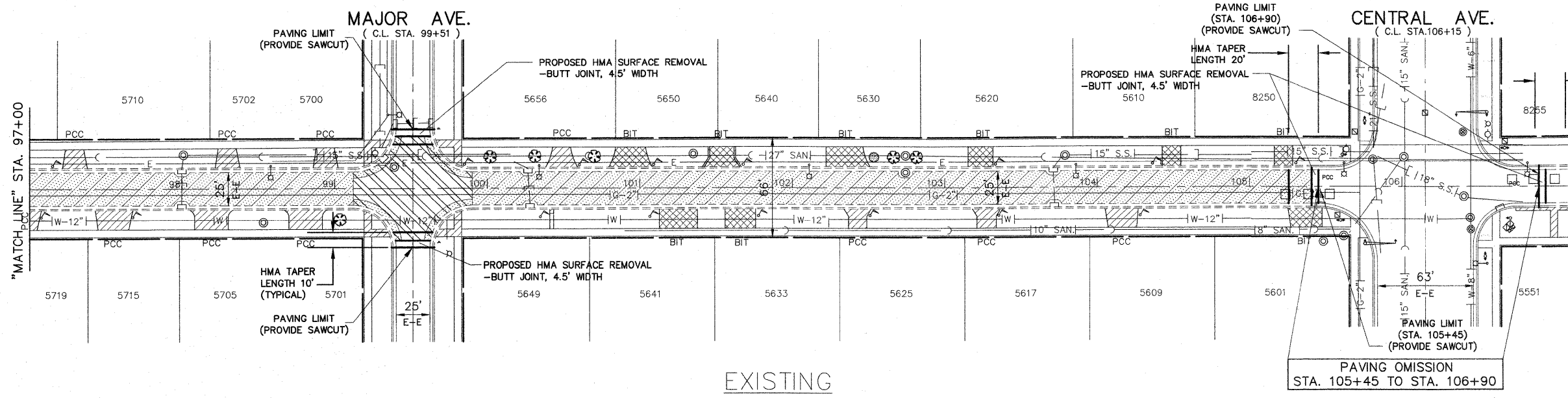


FOR TYPICAL CROSS SECTION OF NEW PAVEMENT WORK SEE SHEET 3

IMPORTANT!
 FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

FILE NAME =		USER NAME =		DESIGNED -- THK		REVISED -- AMS 1/22/10		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		PLAN: 83RD STREET - STA.87+00 TO STA. 97+00 (RESURFACING)				F.A. -	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
				DRAWN -- JFP--JEP		REVISED --				SCALE: SHEET NO. OF SHEETS STA. TO STA.				09-00047-00-RS		COOK		57 14			
				CHECKED -- JLC		REVISED --				CONTRACT NO. 63443											
				DATE -- 1/22/10		REVISED --				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HPP-0797(123)											

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 625 Midway Drive • Willmabrook, IL • 60527 • Telephone: (630) 887-8600 • Fax: (630) 887-4132
 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-000928



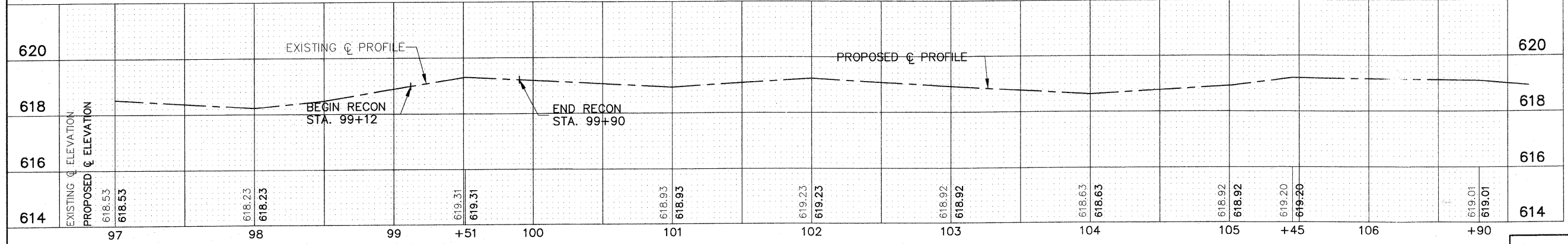
- LEGEND**
- "A" DENOTES EXISTING VALVE VAULTS, VALVE BOXES, INLETS, CATCH BASINS AND MANHOLES TO BE CLEANED, GROUTED, AND ADJUSTED TO GRADE WITH NEW ADJUSTING RINGS. (ALL TOP BANDS OF FALLEN, COMMON OR CONCRETE BRICK TO BE REPLACED WITH PRECAST CONCRETE ADJUSTING RINGS)
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 - "R" DENOTES EXISTING STRUCTURES TO BE RECONSTRUCTED
 - "FR" DENOTES FRAME AND LID TO BE REPLACED
 - Denotes HOT-MIX ASPHALT SURFACE REMOVAL, 3" (FULL WIDTH), TO BE REPLACED WITH "LEVELING BINDER (MACHINE METHOD), N50, 1 INCH AVG., "AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A" AND "HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50", 2 INCH"
 - Denotes PAVEMENT REMOVAL (SOIL CEMENT BASE COURSE), TO BE REPLACED WITH "HOT-MIX ASPHALT BASE COURSE, 6", "LEVELING BINDER (MACHINE METHOD), N50, 1" INCH AVG., "AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A" AND "HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50", 2 INCH"
 - Denotes PAVEMENT REMOVAL (SOIL CEMENT BASE COURSE), TO BE REPLACED WITH "HOT-MIX ASPHALT BASE COURSE, 6", "HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50", 2-1/2", "HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50", 1-1/2"
 - Denotes EXISTING PCC BASE COURSE
 - Denotes "DRIVEWAY PAVEMENT REMOVAL" AND "SIDEWALK REMOVAL" (AS DIRECTED BY THE ENGINEER)
 - Denotes P.C. CONCRETE SIDEWALK, 5 INCH, WITH DETECTABLE WARNING
 - Denotes "P.C. CONCRETE DRIVEWAY PAVEMENT, 7 INCH" AND "P.C. CONCRETE SIDEWALK, 5 INCH" ON SUBBASE GRANULAR MATERIAL, TYPE B, 2 INCH"
 - Denotes HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT
 - Denotes "COMBINATION CURB AND GUTTER REMOVAL"
 - Denotes "COMBINATION CURB AND GUTTER, TYPE M-4.12"

NOTE:

- 1 ALL EXISTING FRAMES AND LIDS THAT ARE TO BE REPLACED (AS DIRECTED BY THE ENGINEER) SHALL BE SALVAGED TO THE CONTRACTOR.
- 2 ALL SAWCUTS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE REMOVAL PAY ITEMS

**PROPOSED
83RD STREET**

BENCHMARK
ESE BOLT ON HYDRANT AT NE CORNER OF 83RD ST. & CENTRAL AVE.
ELEV. 620.56

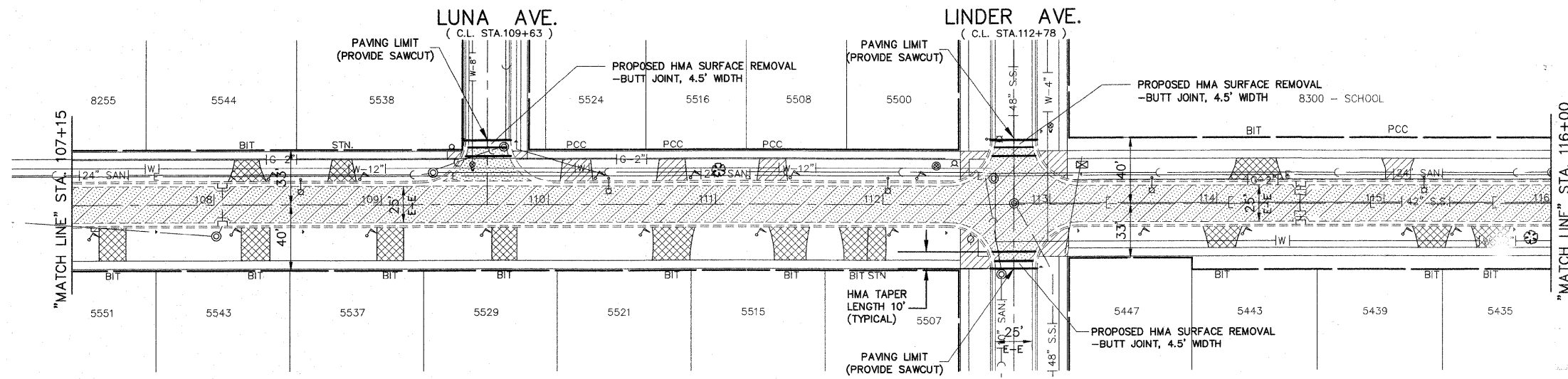


FOR TYPICAL CROSS SECTION OF NEW PAVEMENT WORK SEE SHEET 3

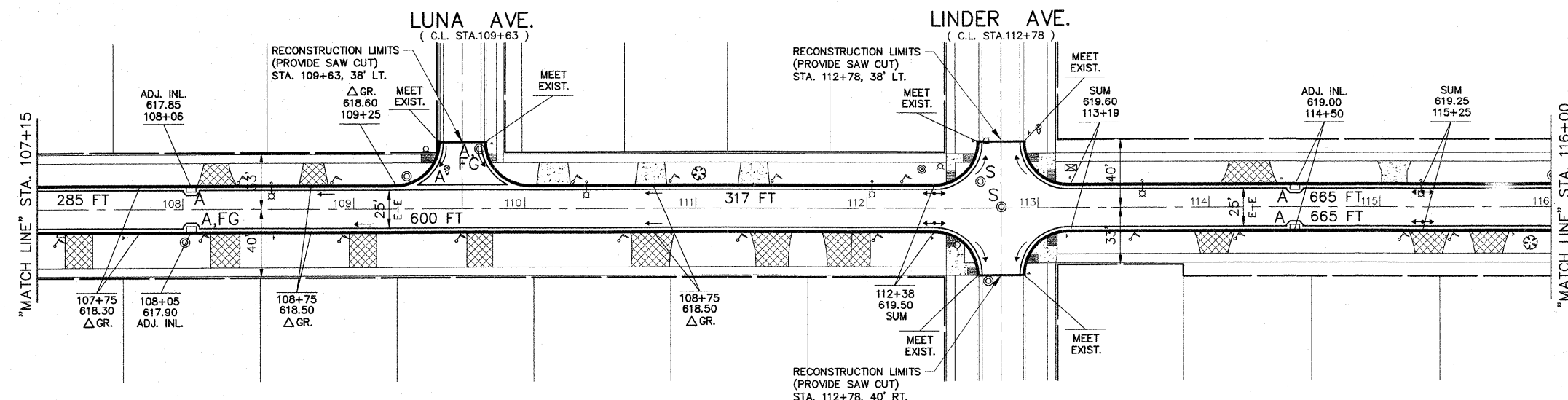
IMPORTANT!
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

FILE NAME =	USER NAME =	DESIGNED - THK	REVISED - AMS 1/22/10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN: 83RD STREET - STA. 97+00 TO STA. 107+15 (RESURFACING)	F.A. -	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - JFP-JEP	REVISED -			-	09-00047-00-RS	COOK	57	15	
		CHECKED - JLC	REVISED -			CONTRACT NO. 63443					
		DATE - 1/22/10	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HPP-0797(123)					

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Civil Engineers
825 Midway Drive • Willowbrook, IL • 60527 • Telephone: (630) 887-8640 • Fax: (630) 887-0133
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-000928



EXISTING



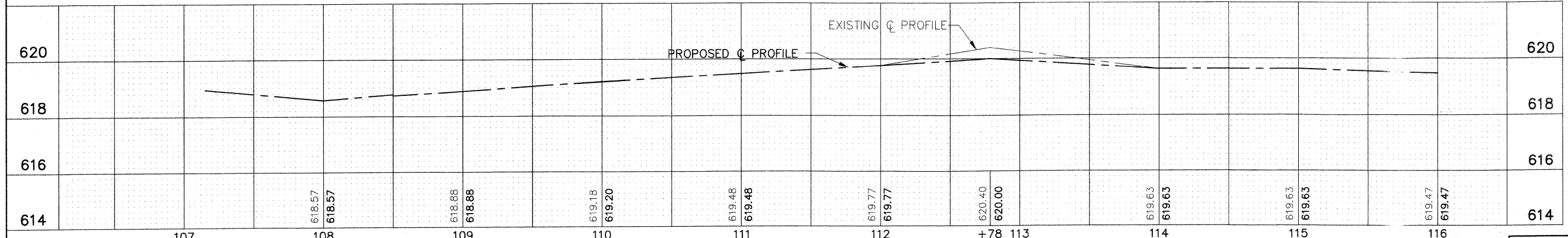
PROPOSED
83RD STREET

BENCHMARK
NNE BOLT ON HYDRANT AT NW CORNER OF 83RD ST. & LINDER AVE.
ELEV. 621.26

- LEGEND**
- "A" DENOTES EXISTING VALVE VAULTS, VALVE BOXES, INLETS, CATCH BASINS AND MANHOLES TO BE CLEANED, GROUTED, AND ADJUSTED TO GRADE WITH NEW ADJUSTING RINGS. (ALL TOP BANDS OF FALLEN, COMMON OR CONCRETE BRICK TO BE REPLACED WITH PRECAST CONCRETE ADJUSTING RINGS)
 - "S" DENOTES EXISTING STRUCTURES TO BE ADJUSTED (SPECIAL)
 - "R" DENOTES EXISTING STRUCTURES TO BE RECONSTRUCTED
 - "FR" DENOTES FRAME AND LID TO BE REPLACED
 - [Hatched pattern] DENOTES HOT-MIX ASPHALT SURFACE REMOVAL, 3" (FULL WIDTH), TO BE REPLACED WITH "LEVELING BINDER (MACHINE METHOD), N50, 1" INCH AVG. "AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A" AND "HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2" INCH"
 - [Hatched pattern] DENOTES PAVEMENT REMOVAL (SOIL CEMENT BASE COURSE), TO BE REPLACED WITH "HOT-MIX ASPHALT BASE COURSE, 6", "LEVELING BINDER (MACHINE METHOD), N50, 1" INCH AVG., "AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A" AND "HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 2" INCH"
 - [Hatched pattern] DENOTES PAVEMENT REMOVAL (SOIL CEMENT BASE COURSE), TO BE REPLACED WITH "HOT-MIX ASPHALT BASE COURSE, 6", "HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2-1/2", "HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1-1/2"
 - [Dotted pattern] DENOTES EXISTING PCC BASE COURSE
 - [Hatched pattern] DENOTES "DRIVEWAY PAVEMENT REMOVAL" AND "SIDEWALK REMOVAL" (AS DIRECTED BY THE ENGINEER)
 - [Hatched pattern] DENOTES P.C. CONCRETE SIDEWALK, 5 INCH, WITH DETECTABLE WARNING
 - [Hatched pattern] DENOTES "P.C. CONCRETE DRIVEWAY PAVEMENT, 7 INCH" AND "P.C. CONCRETE SIDEWALK, 5 INCH" ON SUBBASE GRANULAR MATERIAL, TYPE B, 2 INCH"
 - [Hatched pattern] DENOTES HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT
 - [Hatched pattern] DENOTES "COMBINATION CURB AND GUTTER REMOVAL"
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NOTE:

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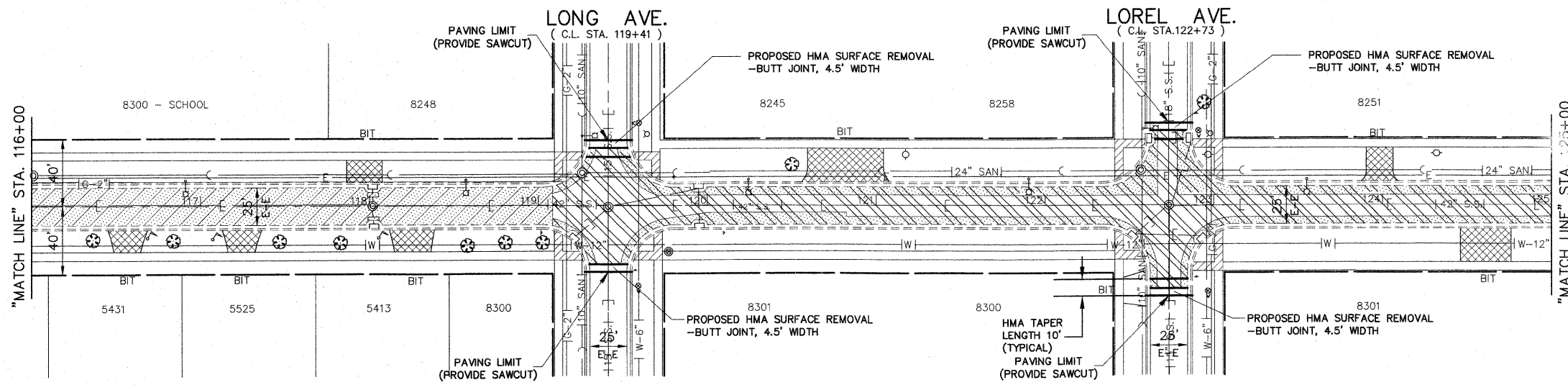
FOR TYPICAL CROSS SECTION OF NEW PAVEMENT WORK SEE SHEET 3

IMPORTANT!

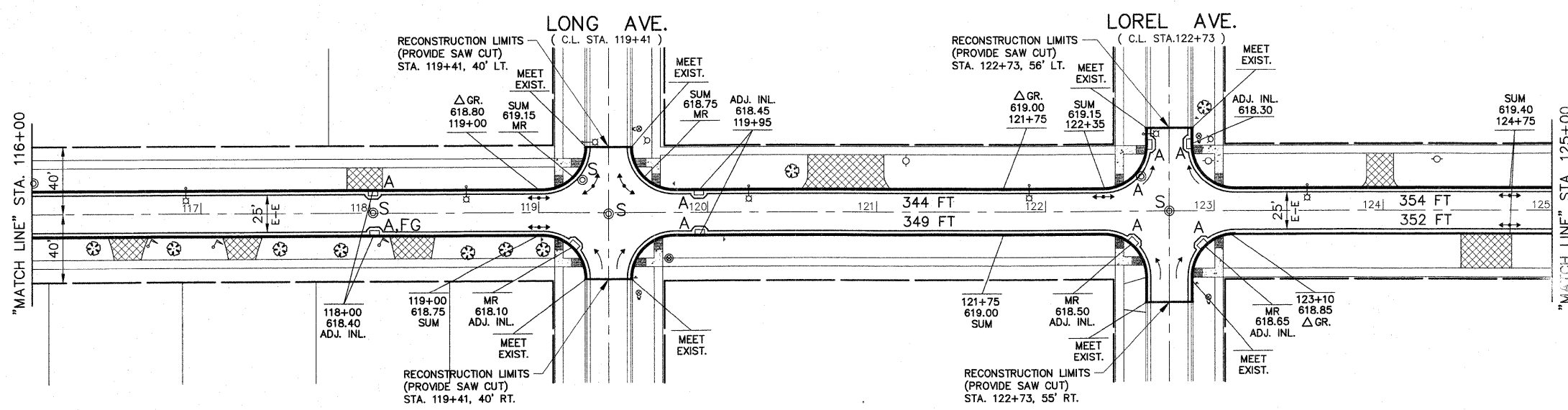
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

FILE NAME =	USER NAME =	DESIGNED -- THK	REVISED -- AMS 1/22/10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN: 83RD STREET - STA. 107+15 TO STA. 116+00 (RESURFACING)	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -- JFP-JEP	REVISED --			-	09-00047-00-RS	COOK	57	16	
		CHECKED -- JLC	REVISED --			CONTRACT NO. 63443					
		DATE -- 1/22/10	REVISED --			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HPP-0797(123)					

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Civil Engineers
Municipal Consultants
825 Midway Drive • Willowbrook, IL • 60527 • Telephone: (630) 807-8640 • Fax: (630) 807-0132
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-000928



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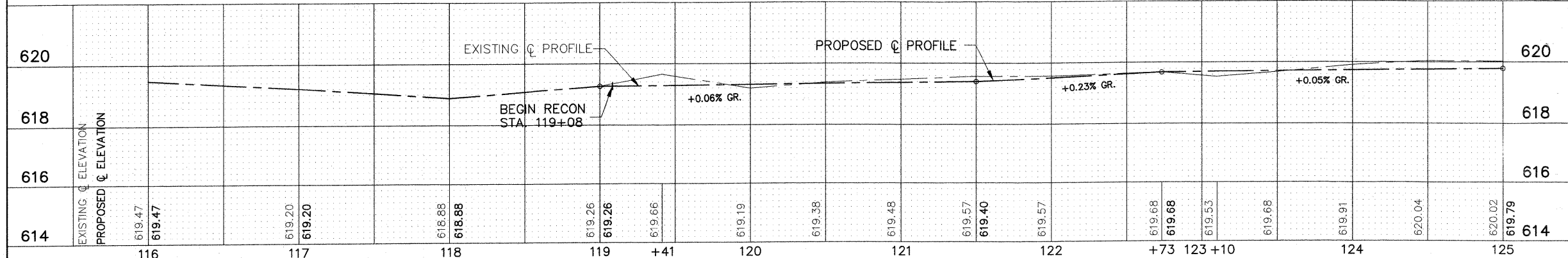


**PROPOSED
83RD STREET**

BENCHMARKS
ESE BOLT ON HYDRANT AT NE CORNER OF 83RD ST. & LONG AVE.
ELEV. 620.43
ESE BOLT ON HYDRANT AT NE CORNER OF 83RD ST. & LOREL AVE.
ELEV. 621.38

- LEGEND**
- "A" DENOTES EXISTING VALVE VAULTS, VALVE BOXES, INLETS, CATCH BASINS AND MANHOLES TO BE CLEANED, GROUTED, AND ADJUSTED TO GRADE WITH NEW ADJUSTING RINGS. (ALL TOP BANDS OF FALLEN, COMMON OR CONCRETE BRICK TO BE REPLACED WITH PRECAST CONCRETE ADJUSTING RINGS)
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 - [Symbol] DENOTES HOT-MIX ASPHALT SURFACE REMOVAL, 3" (FULL WIDTH), TO BE REPLACED WITH "LEVELING BINDER (MACHINE METHOD), N50," 1 INCH AVG., "AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A" AND "HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50", 2 INCH"
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NOTE:
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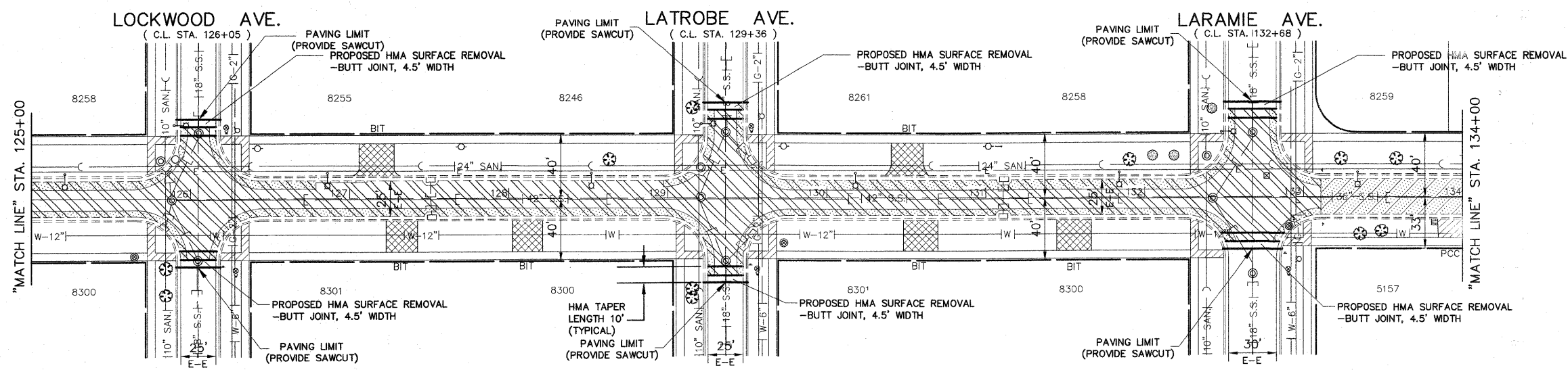
FOR TYPICAL CROSS SECTION OF NEW PAVEMENT WORK SEE SHEET 3

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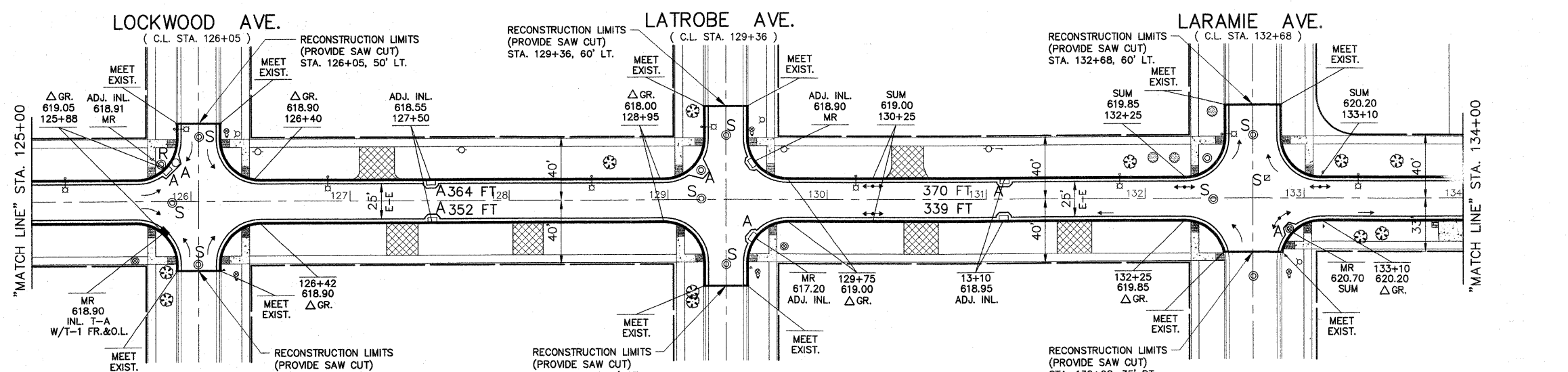
FILE NAME =	USER NAME =	DESIGNED - THK	REVISED - AMS 1/22/10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN: 83RD STREET - STA. 116+00 TO STA. 125+00 (RESURFACING)
		DRAWN - JFP-JEP	REVISED -		
		CHECKED - JLC	REVISED -		
		DATE - 1/22/10	REVISED -		
				SCALE:	SHEET NO. OF SHEETS STA. TO STA.

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ILLINOIS PROFESSIONAL DESIGN FIRM NO. 044-000028

F.A. -	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
RTE.	09-00047-00-RS	COOK	57	17
CONTRACT NO. 63443				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HPP-0797(123)				



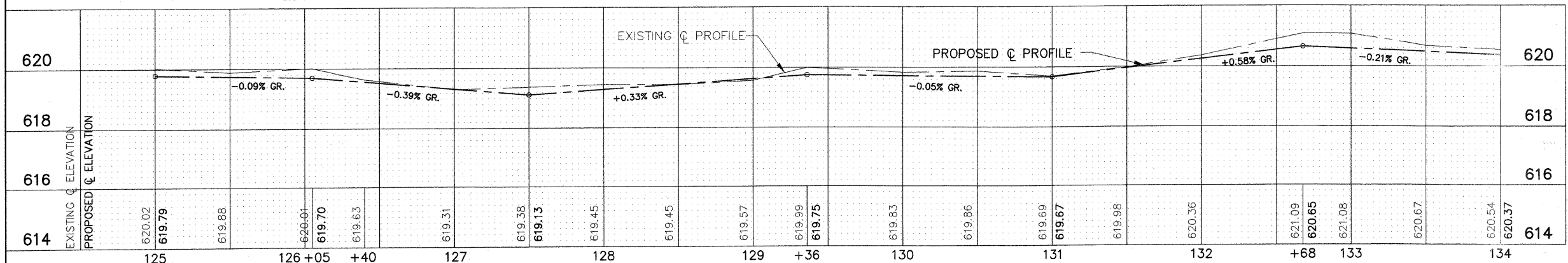
EXISTING



PROPOSED
83RD STREET

BENCHMARKS
 ESE BOLT ON HYDRANT AT NE CORNER OF 83RD ST. & LOCKWOOD AVE. ELEV. 621.61
 ESE BOLT ON HYDRANT AT NE CORNER OF 83RD ST. & LATROBE AVE. ELEV. 621.78
 ESE BOLT ON HYDRANT AT SE CORNER OF 83RD ST. & LARAMIE AVE. ELEV. 621.87

- LEGEND**
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FOR TYPICAL CROSS SECTION OF NEW PAVEMENT WORK SEE SHEET 3

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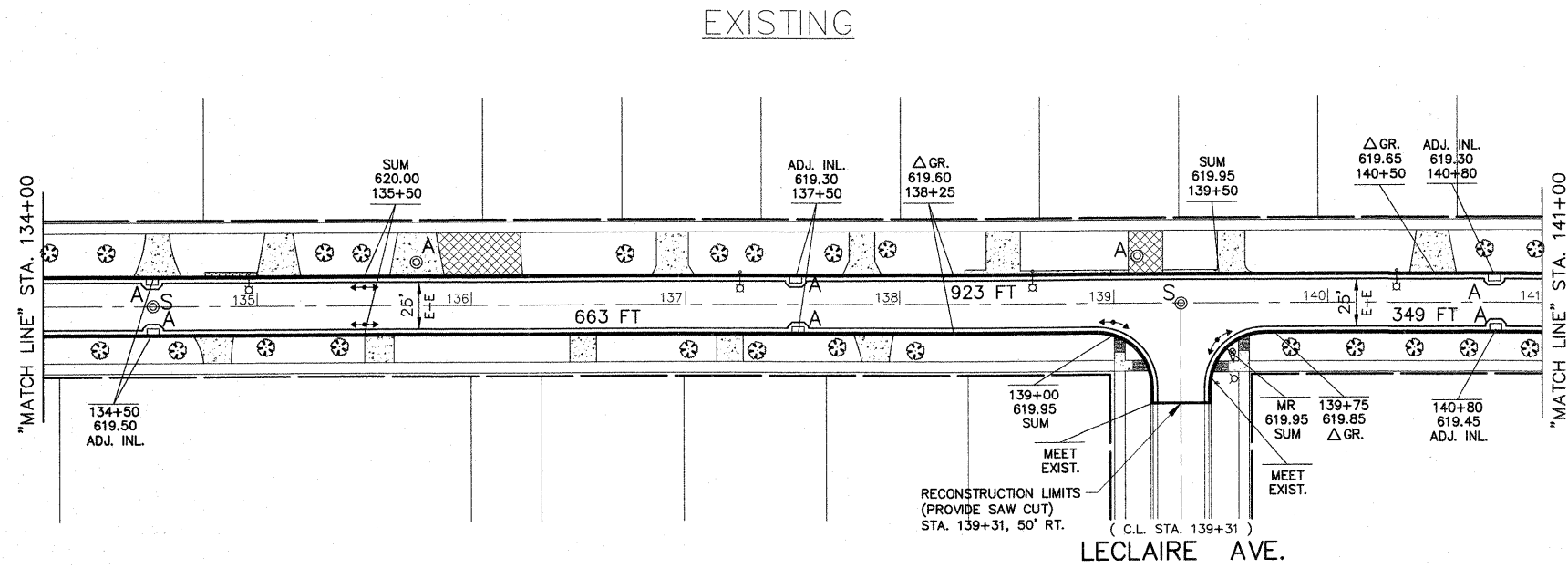
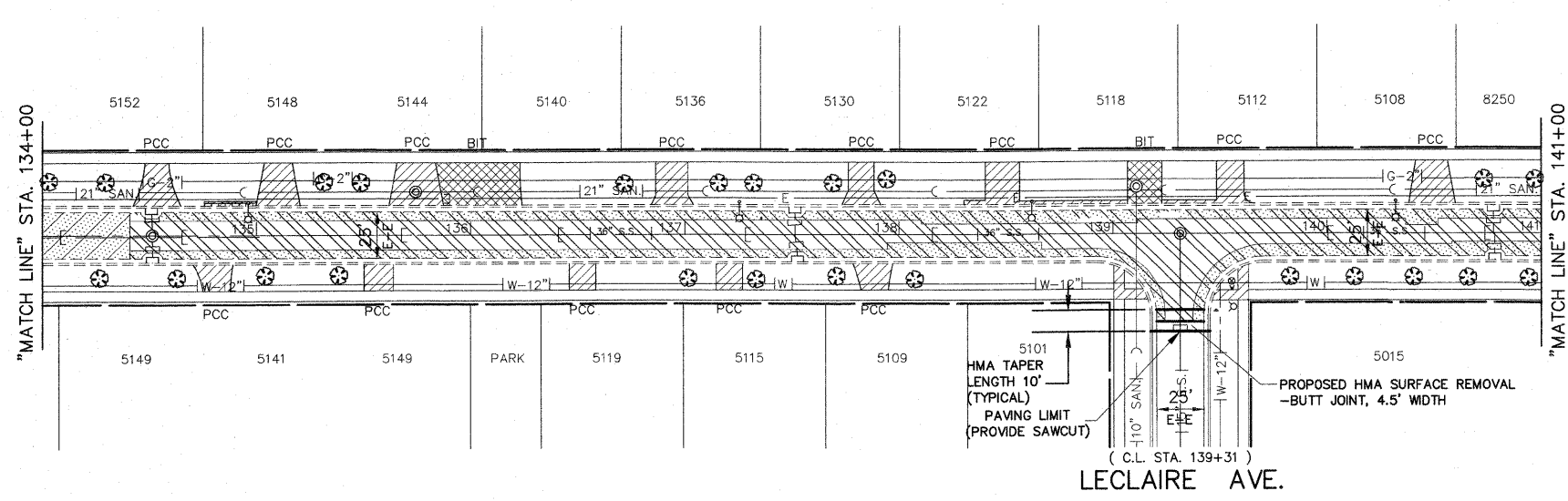
FILE NAME =	USER NAME =	DESIGNED - THK	REVISED - AMS 1/22/10
		DRAWN - JFP-JEP	REVISED -
	PLOT SCALE = 1"=40'	CHECKED - JLC	REVISED -
	PLOT DATE =	DATE - 1/22/10	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN: 83RD STREET -
STA. 125+00 TO STA. 134+00 (RESURFACING)

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 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 104-000208

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	09-00047-00-RS	COOK	57	18
CONTRACT NO. 63443				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HPP-0797(123)				



- LEGEND**
- "A" DENOTES EXISTING VALVE VAULTS, VALVE BOXES, INLETS, CATCH BASINS AND MANHOLES TO BE CLEANED, GROUTED, AND ADJUSTED TO GRADE WITH NEW ADJUSTING RINGS. (ALL TOP BANDS OF FALLEN, COMMON OR CONCRETE BRICK TO BE REPLACED WITH PRECAST CONCRETE ADJUSTING RINGS)
 - "S" DENOTES EXISTING STRUCTURES TO BE ADJUSTED (SPECIAL)
 - "R" DENOTES EXISTING STRUCTURES TO BE RECONSTRUCTED
 - "FR" DENOTES FRAME AND LID TO BE REPLACED
 - [Symbol] DENOTES HOT-MIX ASPHALT SURFACE REMOVAL, 3" (FULL WIDTH), TO BE REPLACED WITH "LEVELING BINDER (MACHINE METHOD), N50," 1 INCH AVG., "AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A" AND "HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50", 2 INCH"
 - [Symbol] DENOTES PAVEMENT REMOVAL (SOIL CEMENT BASE COURSE), TO BE REPLACED WITH "HOT-MIX ASPHALT BASE COURSE, 6", "LEVELING BINDER (MACHINE METHOD), N50, 1" INCH AVG., "AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A" AND "HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50", 2 INCH"
 - [Symbol] DENOTES PAVEMENT REMOVAL (SOIL CEMENT BASE COURSE), TO BE REPLACED WITH "HOT-MIX ASPHALT BASE COURSE, 6", "HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50", 2-1/2", "HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50", 1-1/2"
 - [Symbol] DENOTES EXISTING PCC BASE COURSE
 - [Symbol] DENOTES "DRIVEWAY PAVEMENT REMOVAL" AND "SIDEWALK REMOVAL" (AS DIRECTED BY THE ENGINEER)
 - [Symbol] DENOTES P.C. CONCRETE SIDEWALK, 5 INCH, WITH DETECTABLE WARNING
 - [Symbol] DENOTES "P.C. CONCRETE DRIVEWAY PAVEMENT, 7 INCH" AND "P.C. CONCRETE SIDEWALK, 5 INCH" ON SUBBASE GRANULAR MATERIAL, TYPE B, 2 INCH"
 - [Symbol] DENOTES HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT
 - [Symbol] DENOTES "COMBINATION CURB AND GUTTER REMOVAL"
 - [Symbol] DENOTES "COMBINATION CURB AND GUTTER, TYPE M-4.12"

NOTE:

- 1 ALL EXISTING FRAMES AND LIDS THAT ARE TO BE REPLACED (AS DIRECTED BY THE ENGINEER) SHALL BE SALVAGED TO THE CONTRACTOR.
- 2 ALL SAWCUTS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE REMOVAL PAY ITEMS

BENCHMARK
ESE BOLT ON HYDRANT AT SE CORNER OF 83RD ST. & LECLAIRE AVE.
ELEV. 621.95

**PROPOSED
83RD STREET**

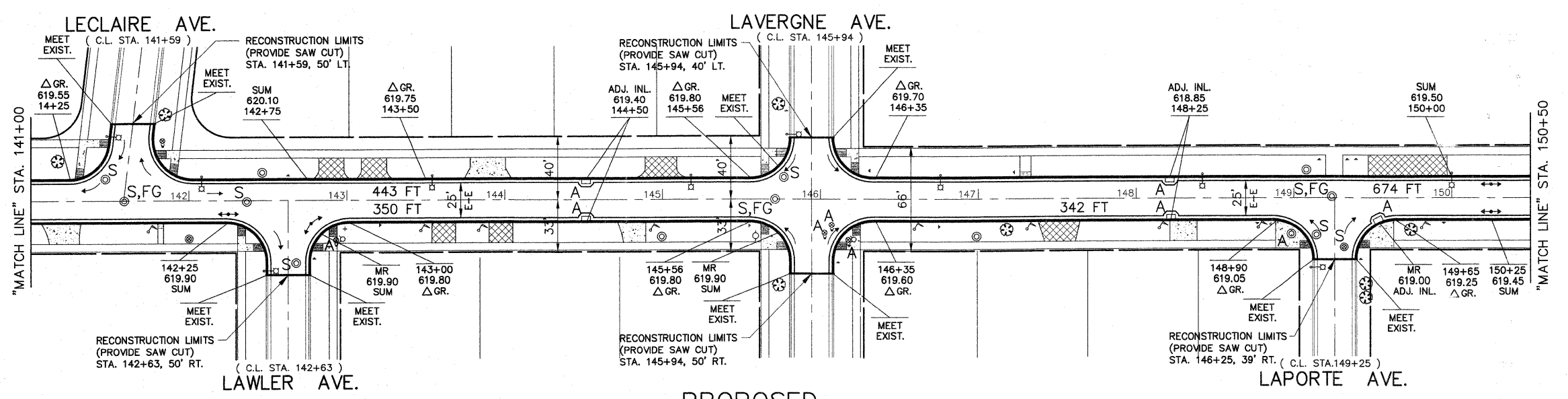
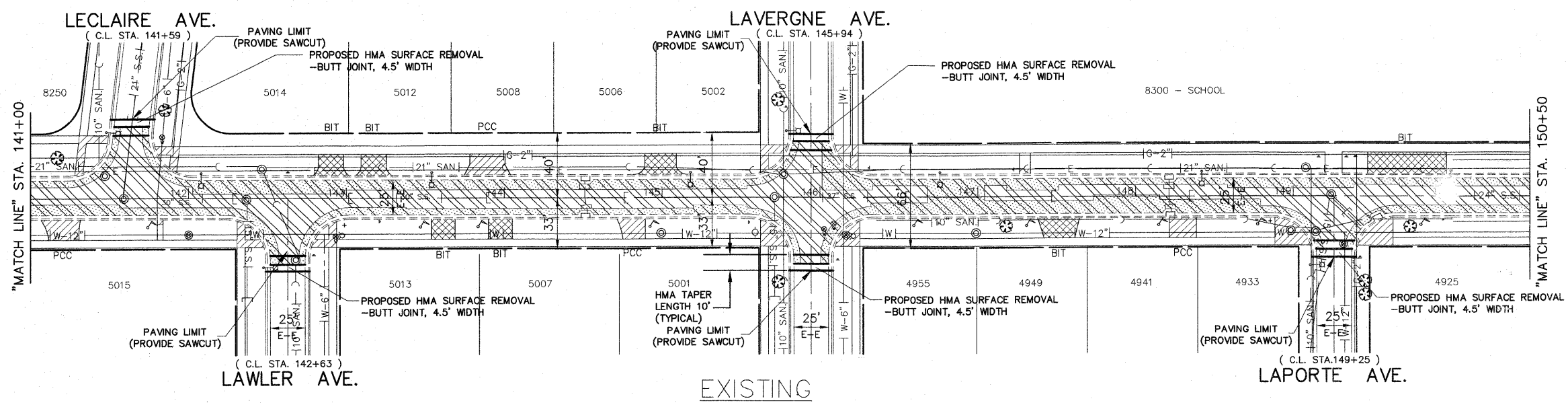
EXISTING @ ELEVATION	PROPOSED @ ELEVATION	STATION	GRADING	STATION	GRADING	STATION	GRADING	STATION	GRADING	STATION	GRADING	STATION	GRADING	STATION	GRADING	STATION	GRADING	STATION	GRADING
		134	-0.21% GR.	135	+0.24% GR.	136	-0.26% GR.	137	+0.34% GR.	138		139		140		141			
620		620.54		620.37		620.52		620.26		620.54		620.58		620.50		620.59		620.45	
618																			
616																			
614																			

FOR TYPICAL CROSS SECTION OF NEW PAVEMENT WORK SEE SHEET 3

IMPORTANT!
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

Frank Novotny & Associates, Inc.
825 Midway Drive • Wheeling, IL • 60577 • Telephone: (630) 887-8640 • Fax: (630) 887-8133
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-000028

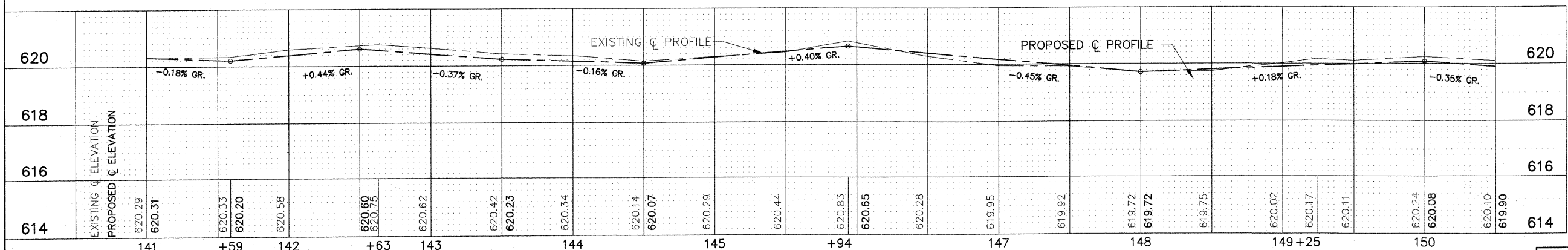
FILE NAME =	USER NAME =	DESIGNED - THK	REVISED - AMS 1/22/10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN: 83RD STREET - STA. 134+00 TO STA. 141+00 (RESURFACING)			F.A. -	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - JFP-JEP	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	COOK	57	19
		CHECKED - JLC	REVISED -									
		DATE - 1/22/10	REVISED -									



- LEGEND**
- "A" DENOTES EXISTING VALVE VAULTS, VALVE BOXES, INLETS, CATCH BASINS AND MANHOLES TO BE CLEANED, GROUTED, AND ADJUSTED TO GRADE WITH NEW ADJUSTING RINGS. (ALL TOP BANDS OF FALLEN, COMMON OR CONCRETE BRICK TO BE REPLACED WITH PRECAST CONCRETE ADJUSTING RINGS)
 - "S" DENOTES EXISTING STRUCTURES TO BE ADJUSTED (SPECIAL)
 - "R" DENOTES EXISTING STRUCTURES TO BE RECONSTRUCTED
 - "FR" DENOTES FRAME AND LID TO BE REPLACED
 - [Hatched pattern] DENOTES HOT-MIX ASPHALT SURFACE REMOVAL, 3" (FULL WIDTH), TO BE REPLACED WITH "LEVELING BINDER (MACHINE METHOD), N50," 1 INCH AVG., "AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A" AND "HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50", 2 INCH"
 - [Hatched pattern] DENOTES PAVEMENT REMOVAL (SOIL CEMENT BASE COURSE), TO BE REPLACED WITH "HOT-MIX ASPHALT BASE COURSE, 6", "LEVELING BINDER (MACHINE METHOD), N50, 1" INCH AVG., "AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A" AND "HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50", 2 INCH"
 - [Hatched pattern] DENOTES PAVEMENT REMOVAL (SOIL CEMENT BASE COURSE), TO BE REPLACED WITH "HOT-MIX ASPHALT BASE COURSE, 6", "HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50", 2-1/2", "HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50", 1-1/2"
 - [Dotted pattern] DENOTES EXISTING PCC BASE COURSE
 - [Hatched pattern] DENOTES "DRIVEWAY PAVEMENT REMOVAL" AND "SIDEWALK REMOVAL" (AS DIRECTED BY THE ENGINEER)
 - [Hatched pattern] DENOTES P.C. CONCRETE SIDEWALK, 5 INCH, WITH DETECTABLE WARNING
 - [Hatched pattern] DENOTES "P.C. CONCRETE DRIVEWAY PAVEMENT, 7 INCH" AND "P.C. CONCRETE SIDEWALK, 5 INCH" ON SUBBASE GRANULAR MATERIAL, TYPE B, 2 INCH"
 - [Hatched pattern] DENOTES HOT-MIX ASPHALT DRIVEWAY REMOVAL AND REPLACEMENT
 - [Dashed line] DENOTES "COMBINATION CURB AND GUTTER REMOVAL"
 - [Solid line] DENOTES "COMBINATION CURB AND GUTTER, TYPE M-4.12"

NOTE:

- 1 ALL EXISTING FRAMES AND LIDS THAT ARE TO BE REPLACED (AS DIRECTED BY THE ENGINEER) SHALL BE SALVAGED TO THE CONTRACTOR.
- 2 ALL SAWCUTS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE REMOVAL PAY ITEMS

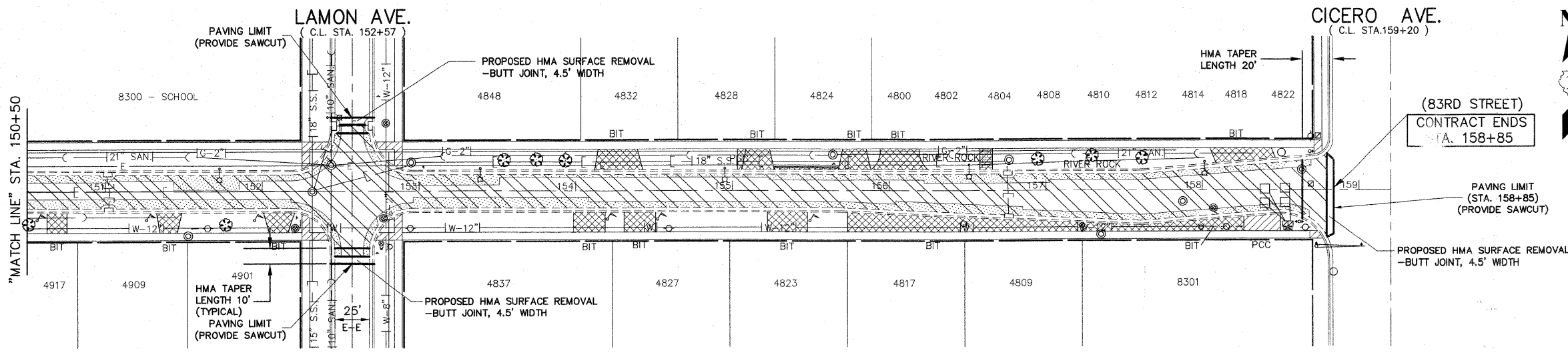


FOR TYPICAL CROSS SECTION OF NEW PAVEMENT WORK SEE SHEET 3

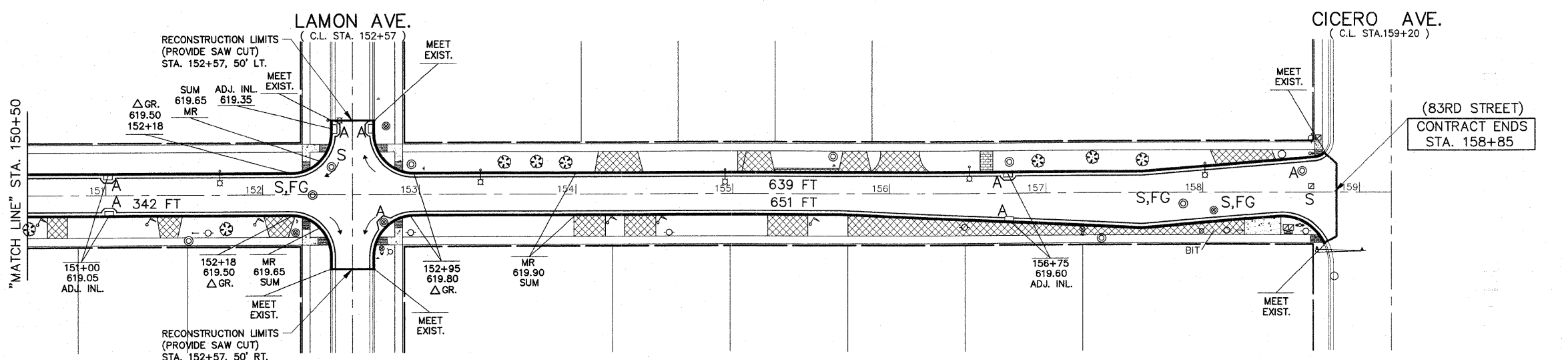
IMPORTANT!
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

FILE NAME =	USER NAME =	DESIGNED - THK	REVISED - AMS 1/22/10	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN: 83RD STREET - STA. 141+00 TO STA. 150+00 (RESURFACING)	F.A. -	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - JFP-JEP	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	09-00047-00-RS	COOK	57	20
		CHECKED - JLC	REVISED -								
		DATE - 1/22/10	REVISED -								
						CONTRACT NO. 63443		ILLINOIS FED. AID PROJECT HPP-0797(123)			

Frank Novotny & Associates, Inc.
825 Midway Drive • Wheeling, IL • 60777 • Telephone: (630) 887-8640 • Fax: (630) 887-8123
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 104-00020

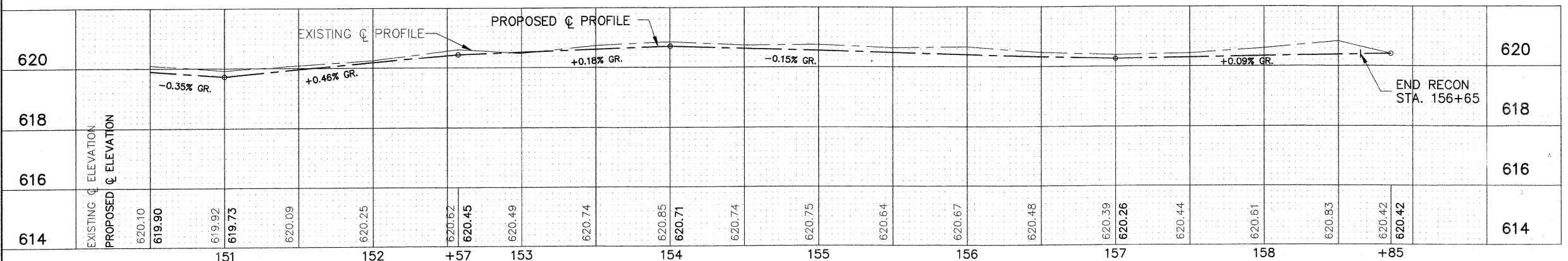


EXISTING



PROPOSED
83RD STREET

- LEGEND**
- "A" DENOTES EXISTING VALVE VAULTS, VALVE BOXES, INLETS, CATCH BASINS AND MANHOLES TO BE CLEANED, GROUDED, AND ADJUSTED TO GRADE WITH NEW ADJUSTING RINGS. (ALL TOP BANDS OF FALLEN, COMMON OR CONCRETE BRICK TO BE REPLACED WITH PRECAST CONCRETE ADJUSTING RINGS)
 - "S" DENOTES EXISTING STRUCTURES TO BE ADJUSTED (SPECIAL)
 - "R" DENOTES EXISTING STRUCTURES TO BE RECONSTRUCTED
 - "FR" DENOTES FRAME AND LID TO BE REPLACED
 - [Symbol] DENOTES HOT-MIX ASPHALT SURFACE REMOVAL, 3" (FULL WIDTH), TO BE REPLACED WITH "LEVELING BINDER (MACHINE METHOD), N50, 1 INCH AVG., "AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A" AND "HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50", 2 INCH"
 - [Symbol] DENOTES PAVEMENT REMOVAL (SOIL CEMENT BASE COURSE), TO BE REPLACED WITH "HOT-MIX ASPHALT BASE COURSE, 6", "LEVELING BINDER (MACHINE METHOD), N50, 1 INCH AVG., "AREA REFLECTIVE CRACK CONTROL TREATMENT, SYSTEM A" AND "HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50", 2 INCH"
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 - [Symbol] DENOTES EXISTING PCC BASE COURSE
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 - [Symbol] DENOTES P.C. CONCRETE SIDEWALK, 5 INCH, WITH DETECTABLE WARNING
 - [Symbol] DENOTES "P.C. CONCRETE DRIVEWAY PAVEMENT, 7 INCH" AND "P.C. CONCRETE SIDEWALK, 5 INCH" ON SUBBASE GRANULAR MATERIAL, TYPE B, 2 INCH"
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 - [Symbol] DENOTES "COMBINATION CURB AND GUTTER REMOVAL"
 - [Symbol] DENOTES "COMBINATION CURB AND GUTTER, TYPE M-4.12"
- NOTE:**
- 1 ALL EXISTING FRAMES AND LIDS THAT ARE TO BE REPLACED (AS DIRECTED BY THE ENGINEER) SHALL BE SALVAGED TO THE CONTRACTOR.
 - 2 ALL SAWCUTS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE REMOVAL PAY ITEMS



FOR TYPICAL CROSS SECTION OF NEW PAVEMENT WORK SEE SHEET 3

IMPORTANT!
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES INDICATED IN TITLE BLOCK.

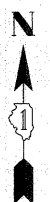
Frank Novotny & Associates, Inc. <small>Civil Engineers Municipal Consultants</small> 825 Midway Drive • Willowbrook, IL • 60527 • Telephone: (630) 897-8640 • Fax: (630) 897-4122 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-000928		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		PLAN: 83RD STREET - STA. 150+50 TO CICERO AVENUE (RESURFACING)		F.A. SHEETS: 09-00047-00-RS COUNTY: COOK TOTAL SHEETS: 57 SHEET NO.: 21 CONTRACT NO. 63443 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HPP-0797(123)	
FILE NAME =	USER NAME =	DESIGNED - THK	REVISED - AMS 1/22/10	SCALE:		SHEET NO. OF SHEETS STA. TO STA.	
		DRAWN - JFP-JEP	REVISED -				
		CHECKED - JLC	REVISED -				
		DATE - 1/22/10	REVISED -				

HARLEM AVE.
(C.L. STA. 0+00)

NOTTINGHAM AVE.
(C.L. STA. 6+61)

CITY OF

BURBANK



THERMOPLASTIC STRIPING CODE

- (A) PROPOSED DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - CENTER LINE 4", 11" O/C
- (B) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 6" (CROSSWALK LINE)
- (C) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 6" (LANE LINE)
- (D) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 6" - 2' DASH, 6' SKIP (LANE LINE)
- (E) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 24" (STOP BAR)
- (F) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS

DETECTOR LOOPS

- (G) PROPOSED DETECTOR LOOP REPLACEMENT

NOTE:
ALL "ARROW" AND "ONLY" MARKINGS SHALL BE 8" IN HEIGHT.

NOTE:
PROPOSED DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - CENTER LINE 4", 11" O/C (NOTE: (A)) IS MEASURED PER LINE. TOTAL QUANTITY AND PAYMENT LENGTH IS FOR EACH LINEAR FOOT OF SINGLE 4" STRIPE INSTALLED.

NOTE:
SHORT-TERM PAVEMENT MARKING IS PROPOSED ON THE MILLED PAVEMENT, NEW BINDER AND ON THE NEW SURFACE. SEE ARTICLE 703.04 OF THE LATEST EDITION OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

NOTE:
PROPOSED STRIPING IS BEING REPLACED IN THE SAME LOCATION AS EXISTING STRIPING.

PAVING LIMIT
(STA. 0+55)

(83RD STREET)
CONTRACT BEGINS
STA. 0+55

PAVING LIMIT
(STA. 0+55)

"MATCH LINE" STA. 9+00

VILLAGE OF

BRIDGEVIEW

SAYRE AVE.
(C.L. STA. 13+28)

NEWLAND AVE.
(C.L. STA. 16+60)

CITY OF
SCHOOL - 8258

BURBANK

"MATCH LINE" STA. 18+50

VILLAGE

OF

BRIDGEVIEW

NEW ENGLAND AVE.
(C.L. STA. 19+91)

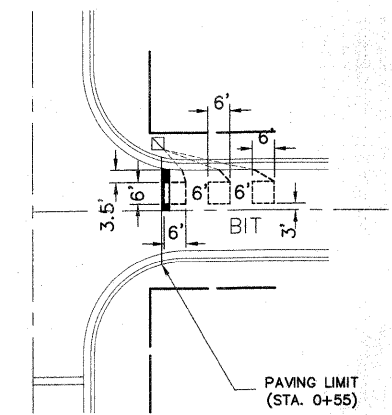
NEW CASTLE AVE.
(C.L. STA. 23+24)

OAK PARK AVE.
(C.L. STA. 26+56)

HARLEM AVENUE

"MATCH LINE" STA. 18+50

"MATCH LINE" STA. 28+50



**DETECTOR LOOP REPLACEMENT
AT HARLEM AVENUE**

FILE NAME =

USER NAME =
PLOT SCALE = 1"=40'
PLOT DATE =

DESIGNED - THK
DRAWN - JFP-JEP
CHECKED - JLC
DATE - 1/22/10

REVISED - AMS 1/22/10
REVISED -
REVISED -
REVISED -

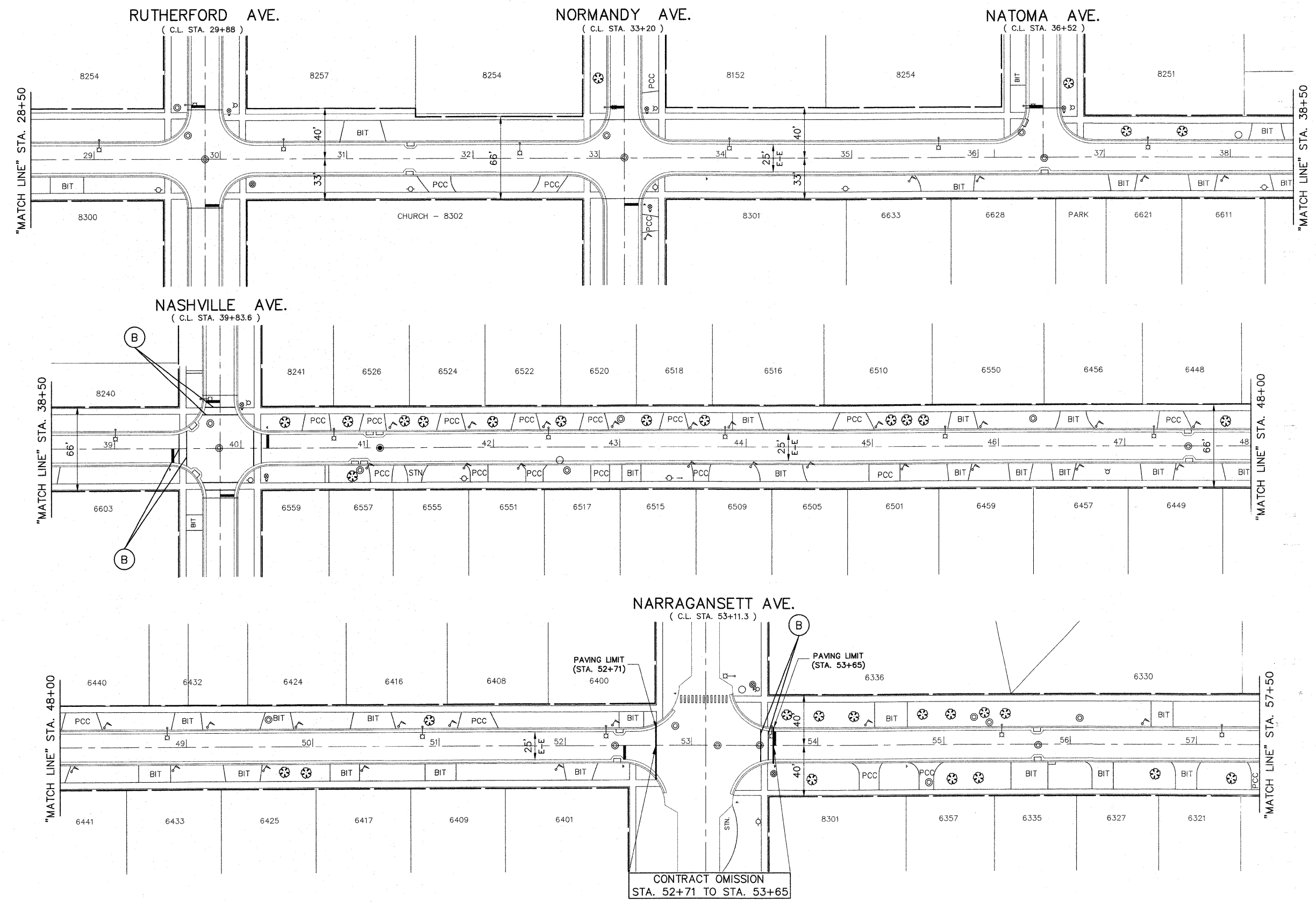
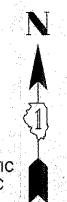
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN: 83RD STREET -
HARLEM AVENUE TO STA. 28+50 (PAVEMENT MARKING)**

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

Frank Novotny & Associates, Inc.
Civil Engineers
Municipal Consultants
825 Midway Drive • Willowbrook, IL • 60527 • Telephone: (630) 887-6648 • Fax: (630) 887-6132
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-000928

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	09-00047-00-RS	COOK	57	22
CONTRACT NO. 63443				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT HPP-0797(123)		



- THERMOPLASTIC STRIPING CODE**
- (A) PROPOSED DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - CENTER LINE 4", 11" O/C
 - (B) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 6" (CROSSWALK LINE)
 - (C) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 6" (LANE LINE)
 - (D) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 6" - 2" DASH, 8" SKIP (LANE LINE)
 - (E) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 24" (STOP BAR)
 - (F) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS

- DETECTOR LOOPS**
- (G) PROPOSED DETECTOR LOOP REPLACEMENT

NOTE:
ALL "ARROW" AND "ONLY" MARKINGS SHALL BE 8' IN HEIGHT.

NOTE:
PROPOSED DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - CENTER LINE 4", 11" O/C (NOTE: (A)) IS MEASURED PER LINE. TOTAL QUANTITY AND PAYMENT LENGTH IS FOR EACH LINEAR FOOT OF SINGLE 4" STRIPE INSTALLED.

NOTE:
SHORT-TERM PAVEMENT MARKING IS PROPOSED ON THE MILLED PAVEMENT, NEW BINDER AND ON THE NEW SURFACE. SEE ARTICLE 703.04 OF THE LATEST EDITION OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

NOTE:
PROPOSED STRIPING IS BEING REPLACED IN THE SAME LOCATION AS EXISTING STRIPING.

CONTRACT OMISSION
STA. 52+71 TO STA. 53+65

FILE NAME =	USER NAME =	DESIGNED -- THK	REVISED -- AMS 1/22/10
		DRAWN -- JFP--JEP	REVISED --
		CHECKED -- JLC	REVISED --
		DATE -- 1/22/10	REVISED --

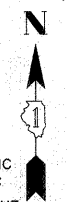
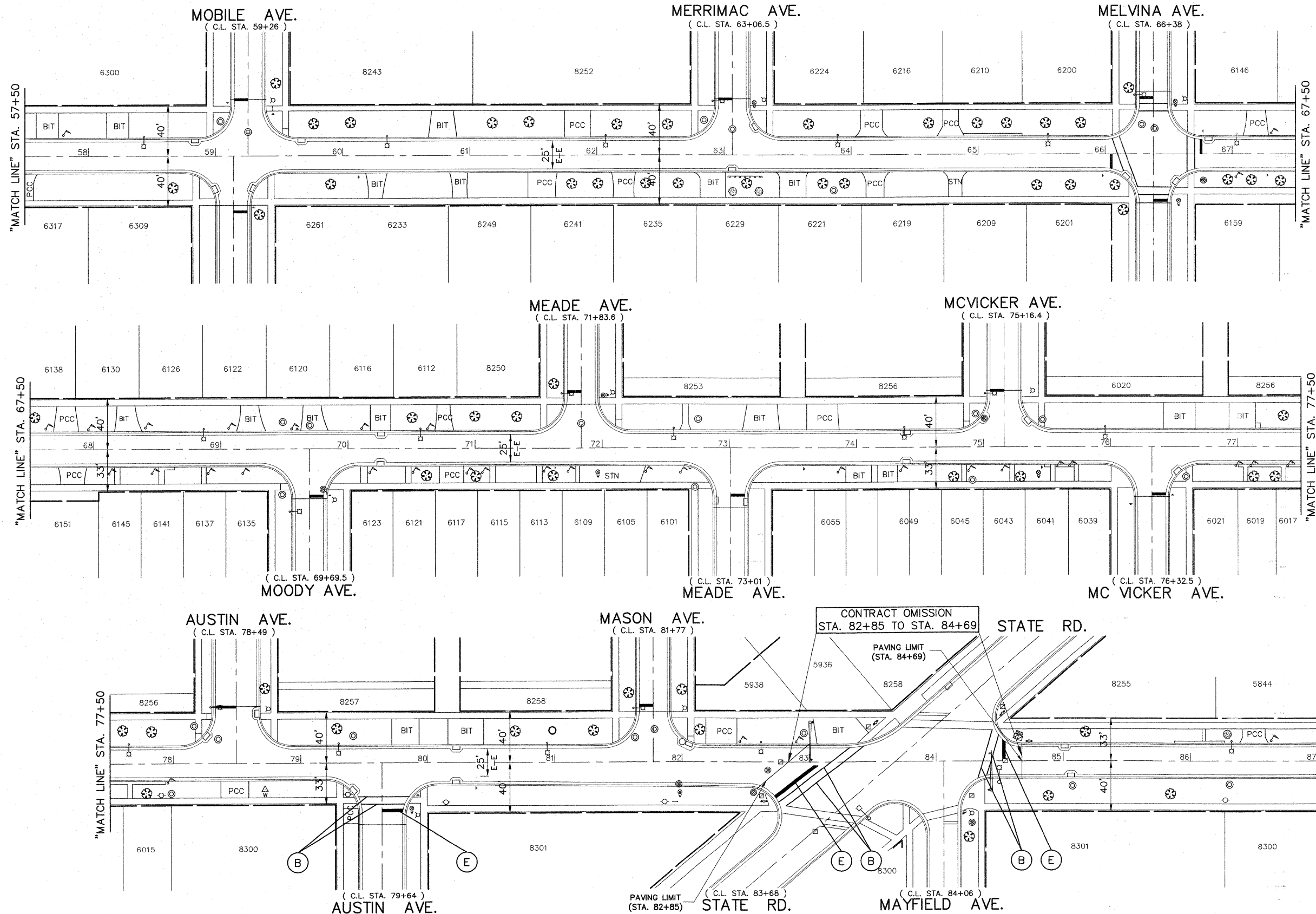
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN: 83RD STREET -
STA. 28+50 TO STA. 57+50 (PAVEMENT MARKING)**

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

Frank Novotny & Associates, Inc.
Civil Engineers
825 Midway Drive • Willowbrook, IL • 60527 • Telephone: (630) 897-6640 • Fax: (630) 897-4132
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-00923

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	09-00047-00-RS	COOK	57	23
CONTRACT NO. 63443				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HPP-0797(123)				



- THERMOPLASTIC STRIPING CODE**
- (A) PROPOSED DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - CENTER LINE 4", 11" O/C
 - (B) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 6" (CROSSWALK LINE)
 - (C) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 6" (LANE LINE)
 - (D) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 6" - 2' DASH, 6' SKIP (LANE LINE)
 - (E) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 24" (STOP BAR)
 - (F) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS
- DETECTOR LOOPS**
- (G) PROPOSED DETECTOR LOOP REPLACEMENT

NOTE:
ALL "ARROW" AND "ONLY" MARKINGS SHALL BE 8" IN HEIGHT.

NOTE:
PROPOSED DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - CENTER LINE 4", 11" O/C (NOTE: (A)) IS MEASURED PER LINE. TOTAL QUANTITY AND PAYMENT LENGTH IS FOR EACH LINEAR FOOT OF SINGLE 4" STRIPE INSTALLED.

NOTE:
SHORT-TERM PAVEMENT MARKING IS PROPOSED ON THE MILLED PAVEMENT, NEW BINDER AND ON THE NEW SURFACE. SEE ARTICLE 703.04 OF THE LATEST EDITION OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

NOTE:
PROPOSED STRIPING IS BEING REPLACED IN THE SAME LOCATION AS EXISTING STRIPING.

FILE NAME =	USER NAME =	DESIGNED - THK	REVISED - AMS 1/22/10
		DRAWN - JFP-JEP	REVISED -
	PLOT SCALE = 1" = 40'	CHECKED - JLC	REVISED -
	PLOT DATE =	DATE - 1/22/10	REVISED -

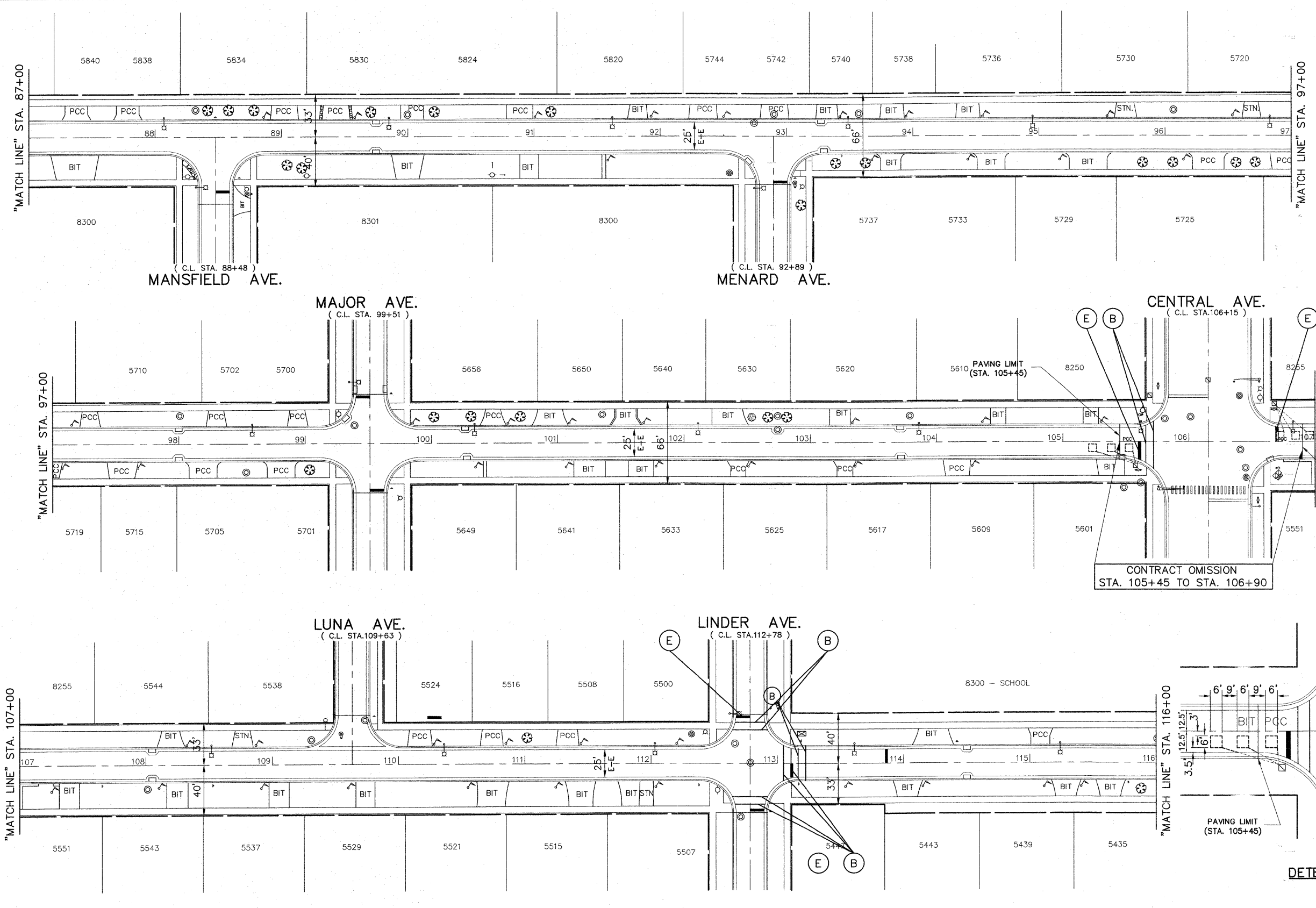
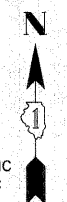
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN: 83RD STREET -
STA. 57+50 TO STA. 87+00 (PAVEMENT MARKING)**

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

Frank Novotny & Associates, Inc.
Civil Engineers
Municipal Consultants
225 Midway Drive • Wheeling, IL • 60091 • Telephone: (630) 877-8640 • Fax: (630) 877-4133
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-08823

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	09-00047-00-RS	COOK	57	24
CONTRACT NO. 63443				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HPP-0797(123)				



- THERMOPLASTIC STRIPING CODE**
- (A) PROPOSED DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - CENTER LINE 4", 11" O/C
 - (B) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 6" (CROSSWALK LINE)
 - (C) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 6" (LANE LINE)
 - (D) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 6" - 2' DASH, 6' SKIP (LANE LINE)
 - (E) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 24" (STOP BAR)
 - (F) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS

- DETECTOR LOOPS**
- (G) PROPOSED DETECTOR LOOP REPLACEMENT

NOTE:
ALL "ARROW" AND "ONLY" MARKINGS SHALL BE 8" IN HEIGHT.

NOTE:
PROPOSED DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - CENTER LINE 4", 11" O/C (NOTE: (A)) IS MEASURED PER LINE. TOTAL QUANTITY AND PAYMENT LENGTH IS FOR EACH LINEAR FOOT OF SINGLE 4" STRIPE INSTALLED.

NOTE:
SHORT-TERM PAVEMENT MARKING IS PROPOSED ON THE MILLED PAVEMENT, NEW BINDER AND ON THE NEW SURFACE. SEE ARTICLE 703.04 OF THE LATEST EDITION OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

NOTE:
PROPOSED STRIPING IS BEING REPLACED IN THE SAME LOCATION AS EXISTING STRIPING.

CONTRACT OMISSION
STA. 105+45 TO STA. 106+90

PAVING LIMIT
(STA. 106+90)

CENTRAL AVENUE

DETECTOR LOOP REPLACEMENT
AT CENTRAL AVENUE

FILE NAME =	USER NAME =	DESIGNED -- THK	REVISED -- AMS 1/22/10
		DRAWN -- JFP-JEP	REVISED --
	PLOT SCALE = 1"=40'	CHECKED -- JLC	REVISED --
	PLOT DATE =	DATE -- 1/22/10	REVISED --

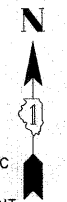
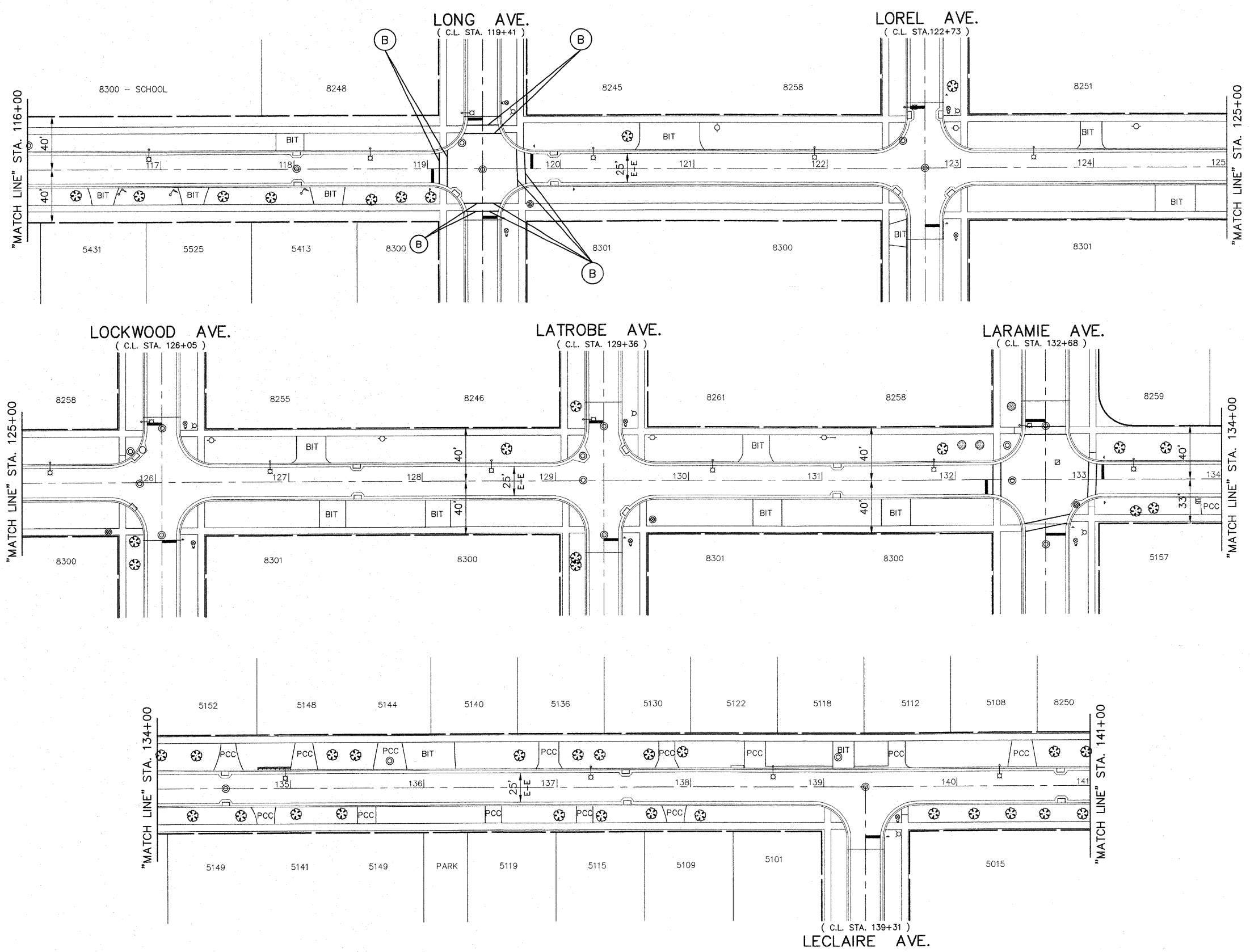
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN: 83RD STREET -
STA. 87+00 TO STA. 116+00 (PAVEMENT MARKING)

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

Frank Novotny & Associates, Inc.
Civil Engineering
125 Midway Drive • Wilmette, IL • 60227 • Telephone: (630) 877-8640 • Fax: (630) 877-0132
ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-00023

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	09-00047-00-RS	COOK	57	25
CONTRACT NO. 63443				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HPP-0797(123)				



THERMOPLASTIC STRIPING CODE

- (A) PROPOSED DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - CENTER LINE 4", 11" O/C
- (B) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 6" (CROSSWALK LINE)
- (C) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 6" (LANE LINE)
- (D) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 6" - 2' DASH, 6' SKIP (LANE LINE)
- (E) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LINE 24" (STOP BAR)
- (F) PROPOSED SOLID WHITE THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS

DETECTOR LOOPS

- (G) PROPOSED DETECTOR LOOP REPLACEMENT

NOTE:
ALL "ARROW" AND "ONLY" MARKINGS SHALL BE 8" IN HEIGHT.

NOTE:
PROPOSED DOUBLE SOLID YELLOW THERMOPLASTIC PAVEMENT MARKING - CENTER LINE 4", 11" O/C (NOTE: (A)) IS MEASURED PER LINE. TOTAL QUANTITY AND PAYMENT LENGTH IS FOR EACH LINEAR FOOT OF SINGLE 4" STRIPE INSTALLED.

NOTE:
SHORT-TERM PAVEMENT MARKING IS PROPOSED ON THE MILLED PAVEMENT, NEW BINDER AND ON THE NEW SURFACE. SEE ARTICLE 703.04 OF THE LATEST EDITION OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".

NOTE:
PROPOSED STRIPING IS BEING REPLACED IN THE SAME LOCATION AS EXISTING STRIPING.

FILE NAME =	USER NAME =	DESIGNED -- THK	REVISED -- AMS 1/22/10
		DRAWN -- JFP-JEP	REVISED --
	PLOT SCALE = 1" = 40'	CHECKED -- JLC	REVISED --
	PLOT DATE =	DATE -- 1/22/10	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN: 83RD STREET -
STA. 116+00 TO STA. 141+00 (PAVEMENT MARKING)**


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 825 Midway Drive • Wilmette, IL • 60091 • Telephone: (630) 897-8640 • Fax: (630) 897-4122
 Civil Engineers
 Municipal Consultants
 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-000928

F.A. -	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
RTE. -	09-00047-00-RS	COOK	57	26
CONTRACT NO. 63443				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	HPP-0797(123)		

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

STORM WATER POLLUTION PREVENTION PLAN

THE FOLLOWING PLAN IS ESTABLISHED AND INCORPORATED IN THE PROJECT TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM SEWER WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE EROSION WITHIN THE CONSTRUCTION SITE AND TO LIMIT SEDIMENTS FROM LEAVING THE CONSTRUCTION SITE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN EROSION CONTROL FACILITIES SHALL BE INSTALLED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE INSTALLED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION DEPENDING ON THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL INSTALL PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A TIME FRAME SPECIFIED HEREIN AND AS DIRECTED BY THE ENGINEER, THEREFORE MINIMIZING THE AMOUNT OF AREA SUSCEPTIBLE TO EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE ENGINEER WILL DETERMINE IF ANY TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS, WHICH ARE NOT INCLUDED IN THIS PLAN, SHALL BE ADDED. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN STANDARD 280001 OF THE PLANS.

SECTION 280. TEMPORARY EROSION CONTROL, OF THE STANDARD SPECIFICATIONS ADDITIONALLY SUPPLEMENTS THIS PLAN.

SITE DESCRIPTION

DESCRIPTION OF CONSTRUCTION ACTIVITY:

1. THE PROJECT IS LOCATED ON 83RD STREET IN BURBANK, ILLINOIS, FROM HARLEM AVENUE TO CICERO AVENUE
2. CONSTRUCTION INCLUDES EARTH EXCAVATION, STORM SEWERS, MANHOLES, CATCH BASINS, INLETS, VARIOUS PAVEMENT ITEMS, TRAFFIC SIGNALS AND OTHER MISCELLANEOUS ITEMS OF CONSTRUCTION.

DESCRIPTION OF INTENDED SEQUENCE FOR MAJOR CONSTRUCTION ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTION OF THE CONSTRUCTION SITE:

1. EXCAVATION WILL BE COMPLETED ALONG THE JOB SITE TO GRADE OUT FOR THE PROPOSED ROADWAY AND PARKWAY RESTORATION.
2. STORM SEWERS, MANHOLES, CATCH BASINS, AND INLETS.
3. PLACEMENT, MAINTENANCE, REMOVAL AND PROPER CLEAN-UP OF TEMPORARY EROSION CONTROL, SUCH AS INLET AND PIPE PROTECTION, TEMPORARY SEEDING, ETC.
4. PAVEMENT RECONSTRUCTION AND RESURFACING WORK.
5. FINAL GRADING, PAVING, AND OTHER MISCELLANEOUS ITEMS.
6. PLACEMENT OF PERMANENT EROSION CONTROL, AND EROSION CONTROL BLANKET, SODDING, ETC.

AREA OF CONSTRUCTION SITE:

THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 3.0 ACRES BY WHICH 3.0 ACRES WILL BE DISTURBED BY EXCAVATION, GRADING, AND OTHER ACTIVITIES.

OTHER REPORTS, STUDIES AND PLANS, WHICH AID IN THE DEVELOPMENT OF THE STORM WATER POLLUTION PREVENTION PLAN AS REFERENCED DOCUMENTS:

1. INFORMATION OF THE SOILS AND TERRAIN WITHIN THE SITE WAS OBTAINED FROM TOPOGRAPHIC SURVEYS AND SOIL BORINGS THAT WERE UTILITIES FOR THE DEVELOPMENT OF THE PROPOSED TEMPORARY EROSION CONTROL SYSTEMS.
2. PROJECT PLAN DOCUMENTS, SPECIFICATIONS AND SPECIAL PROVISIONS, AND PLAN DRAWINGS INDICATING DRAINAGE PATTERNS AND APPROXIMATE SLOPES ANTICIPATED AFTER GRADING ACTIVITIES WERE UTILIZED FOR THE PROPOSED PLACEMENT OF THE TEMPORARY EROSION CONTROL SYSTEMS.

DESCRIPTION OF STABILIZATION PRACTICES DURING CONSTRUCTION:

1. DURING CONSTRUCTION, AREAS OUTSIDE THE CONSTRUCTION LIMITS AS OUTLINED PREVIOUSLY HEREIN SHALL BE PROTECTED. THE CONTRACTOR SHALL NOT USE THIS AREA FOR STAGING, EXCEPT AS DESCRIBED ON THE PLANS AND DIRECTED BY THE ENGINEER, PARKING OF VEHICLES OF CONSTRUCTION EQUIPMENT, STORAGE OF MATERIALS OR OTHER CONSTRUCTION RELATED ACTIVITIES.
 - (a.) WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.
 - (b.) EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN (14) DAYS.
 - (c.) AS CONSTRUCTION PROCEEDS, THE CONTRACTOR SHALL INSTITUTE THE FOLLOWING AS DIRECTED BY THE ENGINEER.
 - i. PLACE TEMPORARY EROSION CONTROL FACILITIES AT LOCATIONS SHOWN ON THE PLANS.
 - ii. TEMPORARILY SEED ERODABLE BARE EARTH ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF ERODABLE SURFACE AREA WITHIN THE CONTRACT LIMITS.
 - iii. CONSTRUCT ROADSIDE DITCHES AND PROVIDE TEMPORARY EROSION CONTROL SYSTEMS.
 - iv. TEMPORARILY DIVERT WATER AROUND PROPOSED CULVERT LOCATIONS.
 - v. BUILD NECESSARY EMBANKMENT AT CULVERT LOCATIONS AND THEN EXCAVATE AND PLACE CULVERT.
 - vi. CONTINUE BUILDING UP THE EMBANKMENT TO THE PROPOSED GRADE WHILE AT THE SAME TIME, PLACING PERMANENT EROSION CONTROL SUCH AS RIPRAP DITCH LINING AND CONDUCTING FINAL SHAPING TO THE SLOPES.
 - (d.) EXCAVATED AREAS AND EMBANKMENT SHALL BE PERMANENTLY SEEDED IMMEDIATELY AFTER FINAL GRADING. IF NOT, THEY SHALL BE TEMPORARILY SEEDED IF NO CONSTRUCTION ACTIVITY IN THE AREA IS PLANNED FOR SEVEN (7) DAYS.
 - (e.) CONSTRUCTION EQUIPMENT SHALL BE STORED AND FUELED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL OR OTHER POLLUTANT IN ACCORDANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
 - (f.) THE RESIDENT ENGINEER SHALL INSPECT THE PROJECT DAILY DURING CONSTRUCTION ACTIVITIES. INSPECTION SHALL ALSO BE DONE WEEKLY AND AFTER RAINS OF 1/2-INCH OR GREATER OR EQUIVALENT SNOWFALL AND DURING THE WINTER SHUTDOWN PERIOD. THE PROJECT SHALL ADDITIONALLY BE INSPECTED BY THE CONSTRUCTION FIELD ENGINEER ON A BI-WEEKLY BASIS TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER EROSION CONTROL WORK IS NECESSARY.
 - (g.) SEDIMENT COLLECTED DURING CONSTRUCTION OF THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR EARTH EXCAVATION FOR EROSION CONTROL.
 - (h.) THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS BY THE ENGINEER AFTER USE IS NO LONGER NEEDED OR NO LONGER FUNCTIONING. THE COST OF THIS REMOVAL SHALL BE INCLUDED IN THE UNIT BID PRICE FOR VARIOUS TEMPORARY EROSION CONTROL PAY ITEMS.

DESCRIPTION OF STRUCTURAL PRACTICES AFTER FINAL GRADING:

1. TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS SEEDED AND ESTABLISHED.
2. ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP, AND DISTURBED TURF RESEDED.

DRAINAGE TRIBUTARIES AND SENSITIVE AREAS RECEIVING RUNOFF FROM THIS CONSTRUCTION SITE:

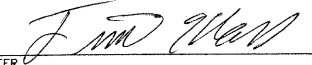
1. STORM SEWER OUTLETS TRIBUTARY TO THE STONY CREEK IN OAK LAWN.

CONTROLS, EROSION CONTROLS AND SEDIMENT CONTROL:

1. THE DRAWINGS, SPECIFICATIONS AND SPECIAL PROVISIONS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES INCLUDE TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, PROTECTION OF TREES, PRESERVATION OF NATURE VEGETATION, AND OTHER APPROPRIATE MEASURES AS DIRECTED BY THE ENGINEER. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
 - (a.) AREAS OF EXISTING VEGETATION, WOOD AND GRASSLANDS, OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE IDENTIFIED BY THE ENGINEER FOR PRESERVING AND SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES.
 - (b.) DEAD, DISEASED, OR UNSUITABLE VEGETATION WITHIN THE SITE SHALL BE REMOVED AS DIRECTED BY THE ENGINEER, ALONG WITH REQUIRED TREE REMOVAL.
 - (c.) AS SOON AS REASONABLE ACCESS IS AVAILABLE TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, TEMPORARY DITCH CHECKS, INLET AND PIPE PROTECTION, AND PERIMETER EROSION BARRIER SHALL BE INSTALLED AS CALLED OUT IN THIS PLAN AND DIRECTED BY THE ENGINEER.
 - (d.) BARE AND SPARSELY VEGETATED GROUND IN HIGH ERODABLE AREAS AS DETERMINED BY THE ENGINEER SHALL BE TEMPORARILY SEEDED AT THE BEGINNING OF CONSTRUCTION WHERE NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN SEVEN (7) DAYS.
 - (e.) IMMEDIATELY AFTER TREE REMOVAL IS COMPLETED, AREAS WHICH ARE HIGHLY ERODABLE AS DETERMINED BY THE ENGINEER, SHALL BE TEMPORARILY SEEDED WHEN NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN SEVEN (7) DAYS.
 - (f.) AT LOCATIONS WHERE A SIGNIFICANT AMOUNT OF WATER DRAINS INTO THE CONSTRUCTION ZONE FROM OUTSIDE AREAS ON ADJACENT LANDOWNERS, TEMPORARY DITCH CHECKS WILL BE UTILIZED TO LOCALLY DIVERT WATER, REDUCE FLOW RATES, AND COLLECT OUTSIDE SILTATION INSIDE THE RIGHT-OF-WAY LINE.
2. ESTABLISHMENT OF THESE TEMPORARY EROSION CONTROL MEASURES WILL HAVE ADDITIONAL BENEFITS TO THE PROJECT. DESIRABLE GRASS SEED WILL BECOME ESTABLISHED IN THESE AREAS AND WILL SPREAD SEEDS ONTO THE CONSTRUCTION SITE UNTIL PERMANENT SEEDING/MOWING AND OVERSEEDING CAN BE COMPLETED.

THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF THE NPDES PERMIT NUMBER ILR10 ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES.

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.


ENGINEER

1-22-10
DATE






MAINTENANCE AFTER CONSTRUCTION:

CONSTRUCTION IS COMPLETE AFTER ACCEPTANCE BY THE MUNICIPALITY. MAINTENANCE UP TO THIS DATE WILL BE BY THE CONTRACTOR.

MISCELLANEOUS:

1. TEMPORARY DITCH CHECKS SHALL BE LOCATED AT EVERY 15-FOOT FALL/RISE IN DITCH GRADE.
2. TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED AT A RATE OF 100 LBS/ACRES, IF DIRECTED.
3. STRAW BALES, HAY BALES, PERIMETER EROSION BARRIER AND SILT FENCES WILL NOT BE PERMITTED FOR TEMPORARY OR PERMANENT DITCH CHECKS. DITCH CHECKS SHALL BE COMPOSED OF AGGREGATE, SILT PANELS, ROLLED EXCELSIOR, URETHANE FORM/GEOTEXTILE SILT WEDGES, AND/OR ANY OTHER MATERIAL APPROVED BY THE EROSION AND SEDIMENT CONTROL COORDINATOR.
4. SEDIMENT COLLECTED DURING CONSTRUCTION BY THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON THE SITE ON A REGULAR BASIS, AS DIRECTED BY THE ENGINEER. THE COST OF THIS MAINTENANCE SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION FOR EROSION CONTROL.
5. ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN PRIOR TO THE APPROVAL AND USE OF THE PROJECT. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATION BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.

LEGEND

-  TEMPORARY DITCH CHECK
-  EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER - SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
-  INLET AND PIPE PROTECTION
-  SEDIMENT BASIN

NOTE: ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN ON STANDARD 280001 AND AS DIRECTED BY THE ENGINEER. MAINTENANCE AND CLEANING OF THE EROSION CONTROL ITEMS SHALL BE INCLUDED IN THE RESPECTIVE EROSION CONTROL PAY ITEM.

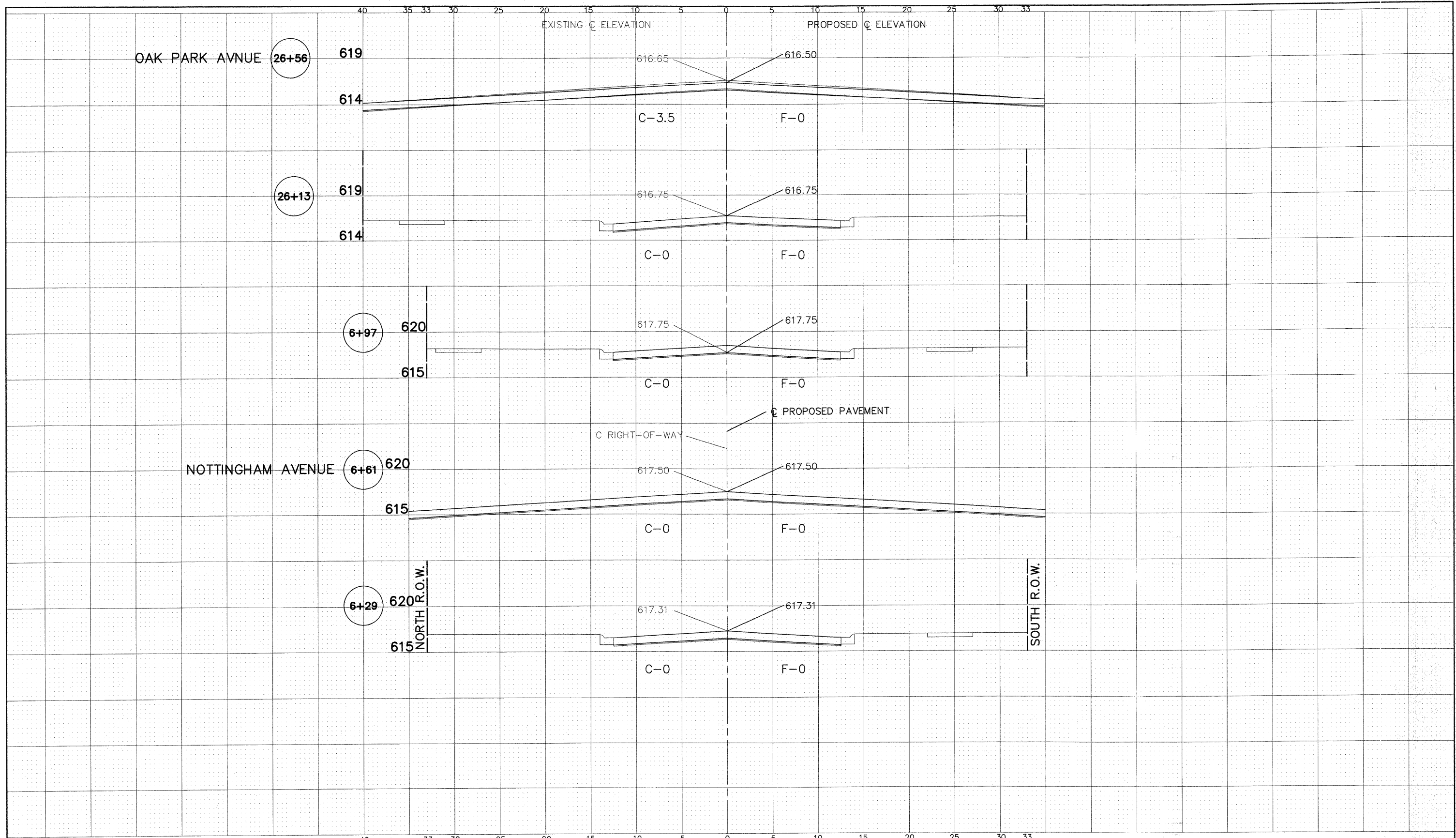
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PLOT DATE =		DATE -- 1/22/10	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**STORM WATER POLLUTION
PREVENTION PLAN**

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

Frank Novotny & Associates, Inc.				
<small>225 Midway Drive • Willowbrook, IL • 60227 • Telephone: (630) 887-8640 • Fax: (630) 887-0132 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-000628</small>				
F.A.R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	09-00047-00-RS	COOK	57	28
CONTRACT NO. 63443				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HPP-0797(123)				



83RD STREET

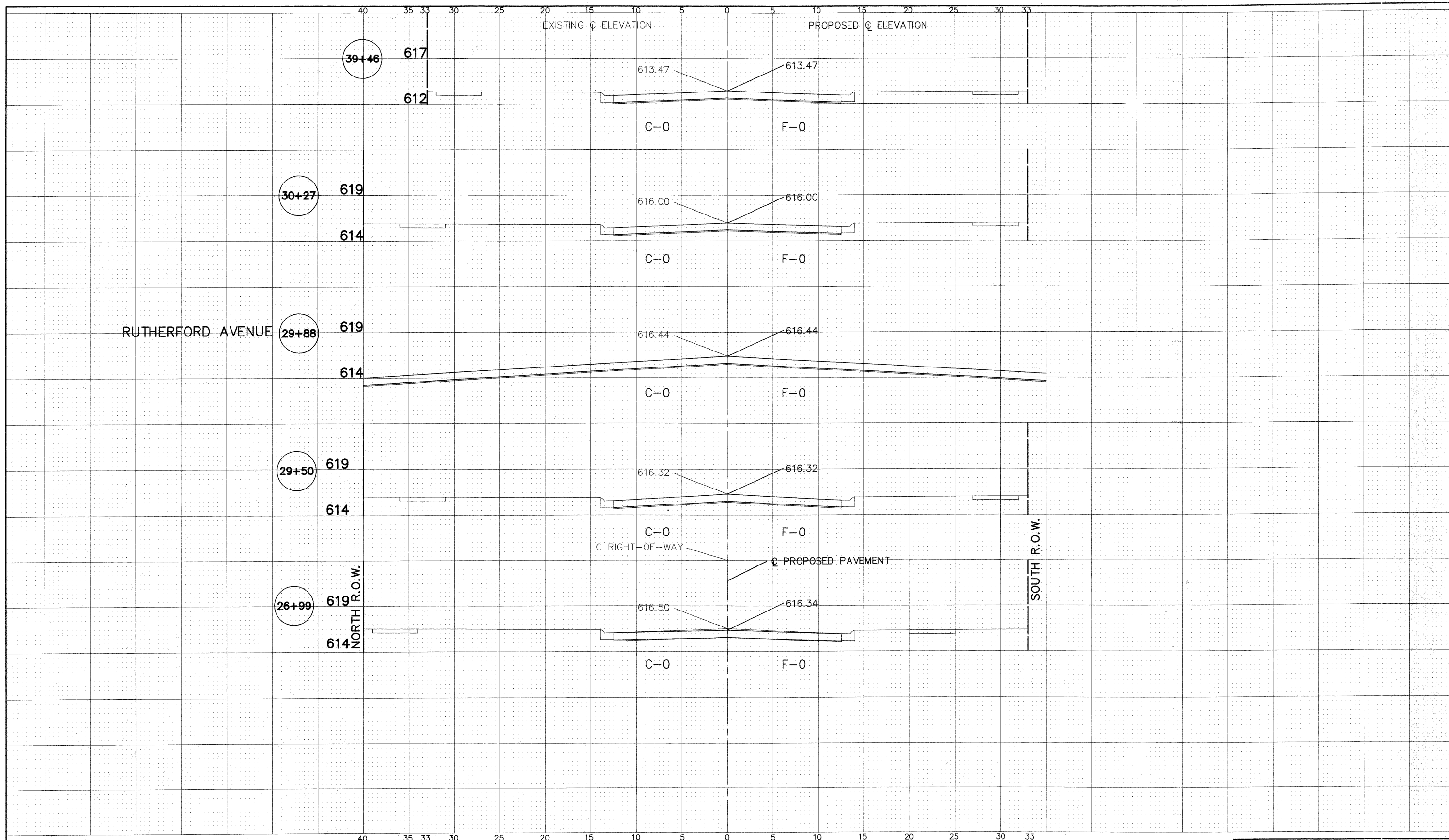
Frank Novotny & Associates, Inc.
 885 Midway Drive • Willowbrook, IL • 61097 • Telephone: (630) 687-8640 • Fax: (630) 687-4132
 Civil Engineer
 Municipal Consultants
 ILLINOIS PROFESSIONAL DESIGN PLUM NO. 184-000628

FILE NAME =	USER NAME =	DESIGNED — THK	REVISED — AMS 1-22-10
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		CHECKED — JLC	REVISED —
		DATE — 1"=5'	REVISED —

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS			
83RD STREET - INTERSECTION RECONSTRUCTION SECTIONS			
SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	

F.A. RTE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	09-00047-00-RS	COOK	57	29
CONTRACT NO. 63443				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HPP-0797(123)				



83RD STREET

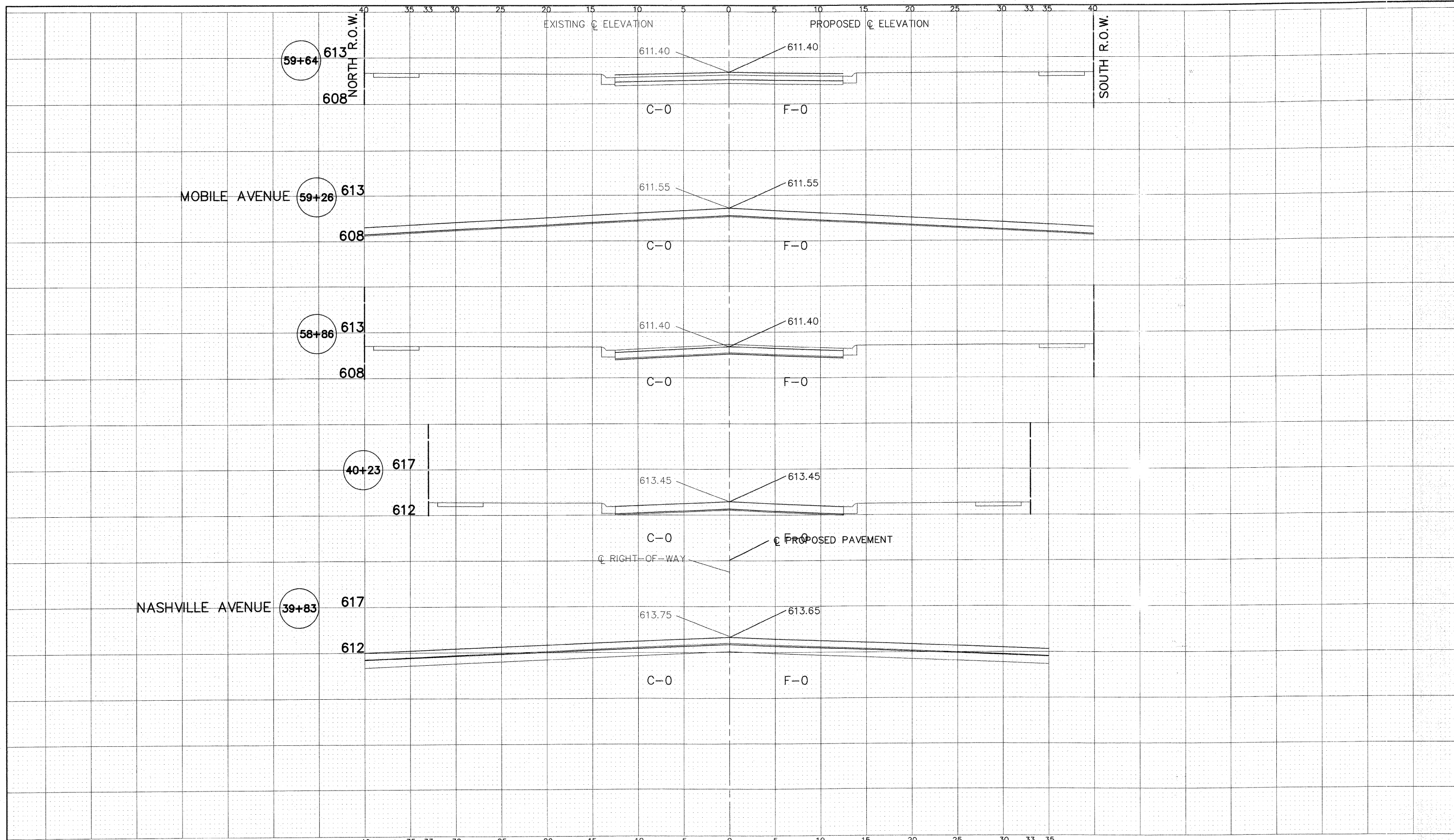
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 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-00028

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		CHECKED — JLC	REVISED —
		DATE — 1"=5'	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS			
83RD STREET - INTERSECTION RECONSTRUCTION SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A. - RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	09-00047-00-RS	COOK	57	30
CONTRACT NO. 63443				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJ. NO.	HPP-0797(123)		



83RD STREET

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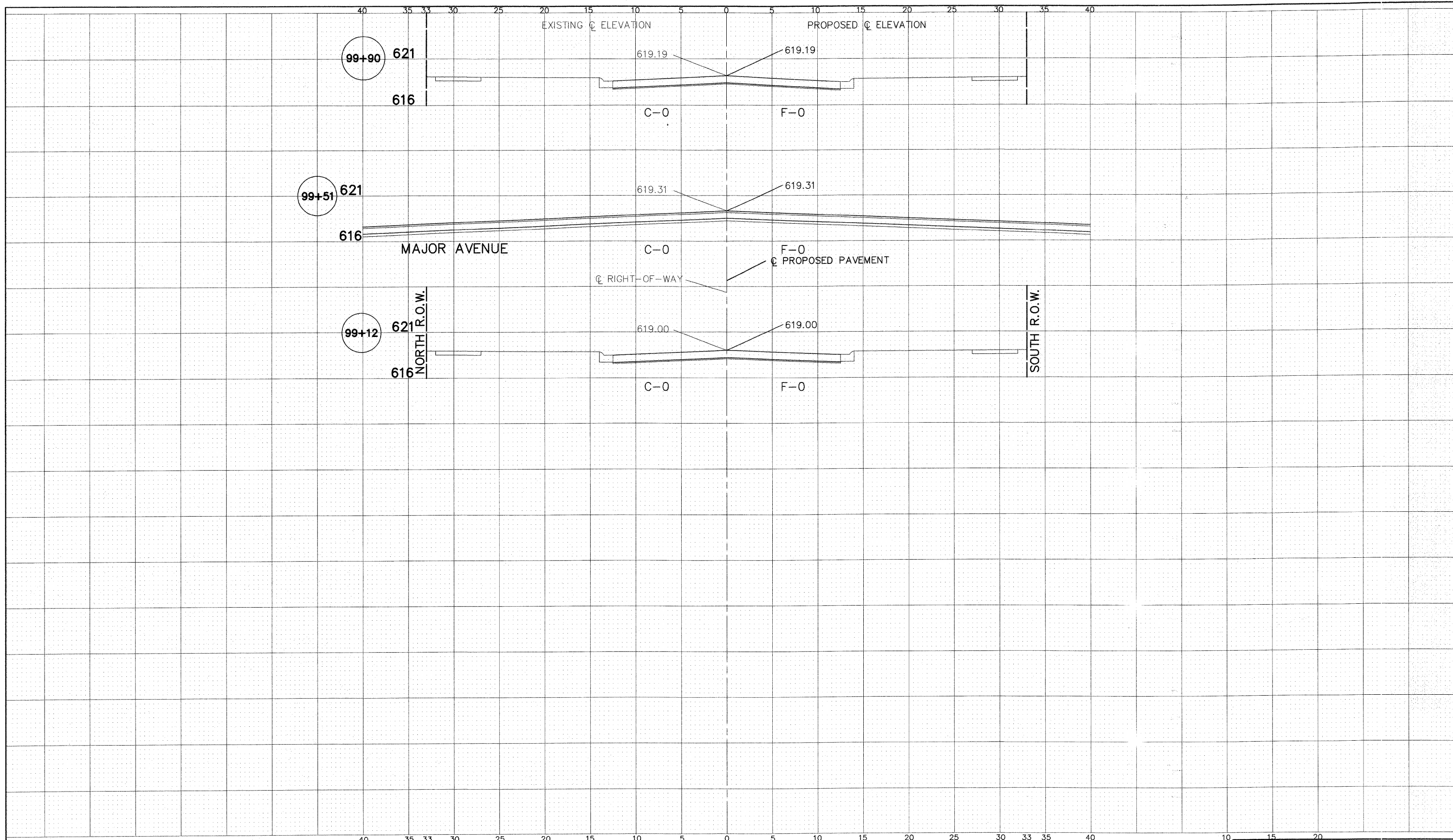
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		CHECKED - JLC	REVISED -
		DATE - 1"=5'	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
83RD STREET - INTERSECTION RECONSTRUCTION SECTIONS

SCALE:	SHEET NO. OF SHEETS	STA. TO STA.
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	09-0047-00-RS	COCK	57	31
CONTRACT NO. 63443				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HPP-0797(123)				



83RD STREET

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 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-000828

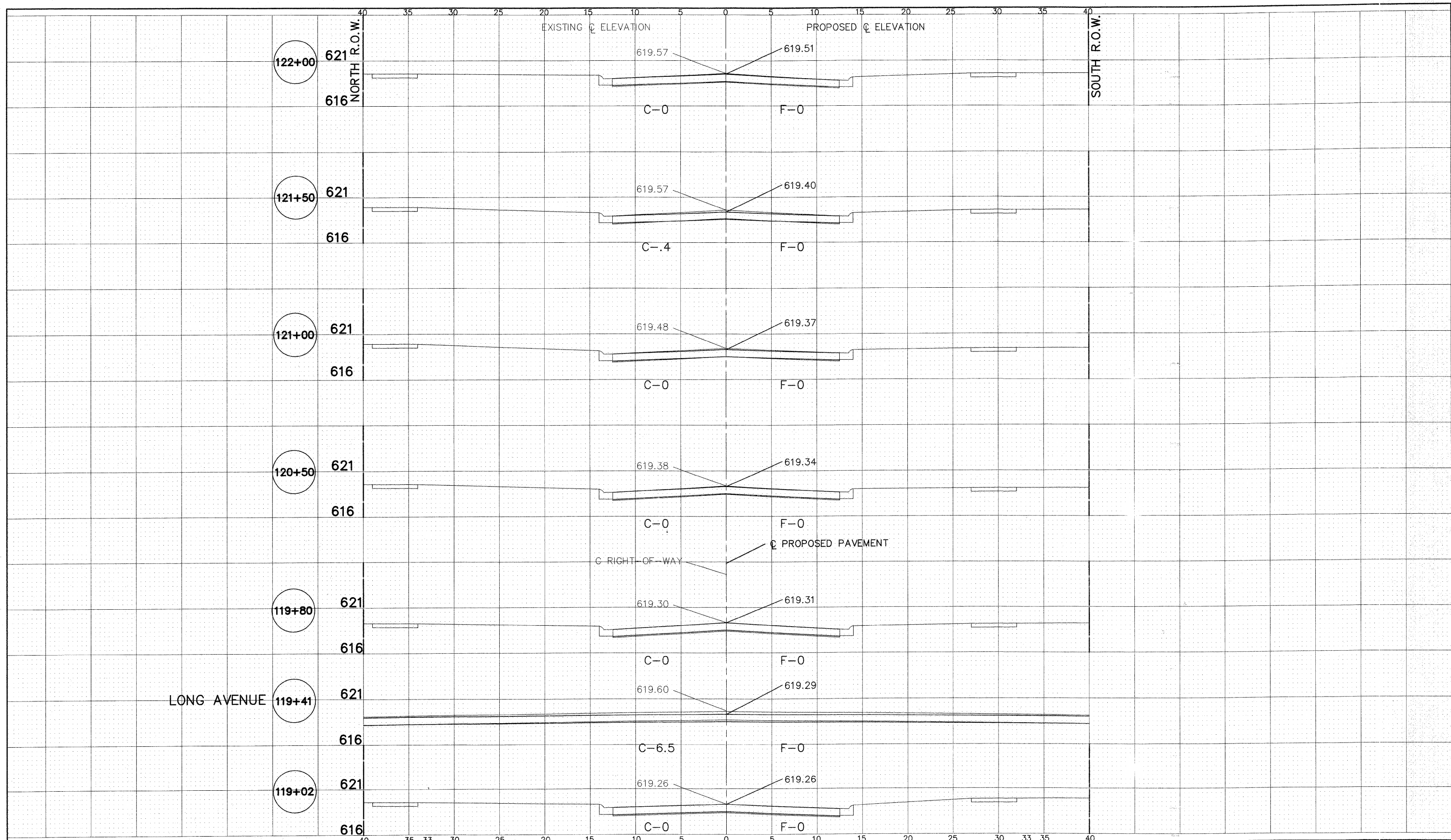
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
83RD STREET - INTERSECTION RECONSTRUCTION SECTIONS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	09-00047-00-RS	COOK	57	32
CONTRACT NO. 63443				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJEC ^T HPP-0797(123)				



83RD STREET

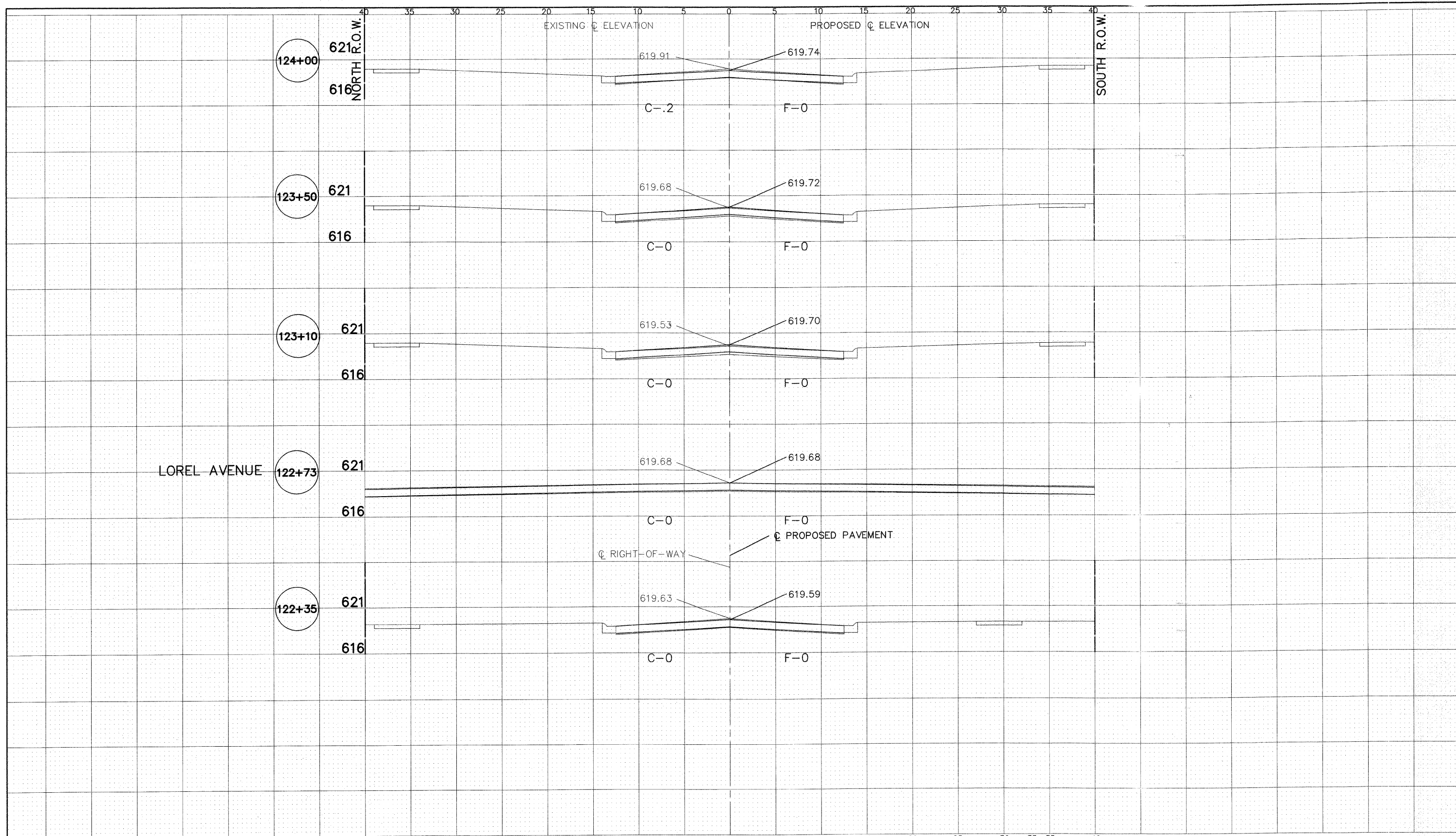
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 83RD STREET - STA. 119+02 TO STA. 122+00
 SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	09-0047-00-RS	COCK	57	33
CONTRACT NO. 63443				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HPP-0797(123)				



83RD STREET


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 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-000228

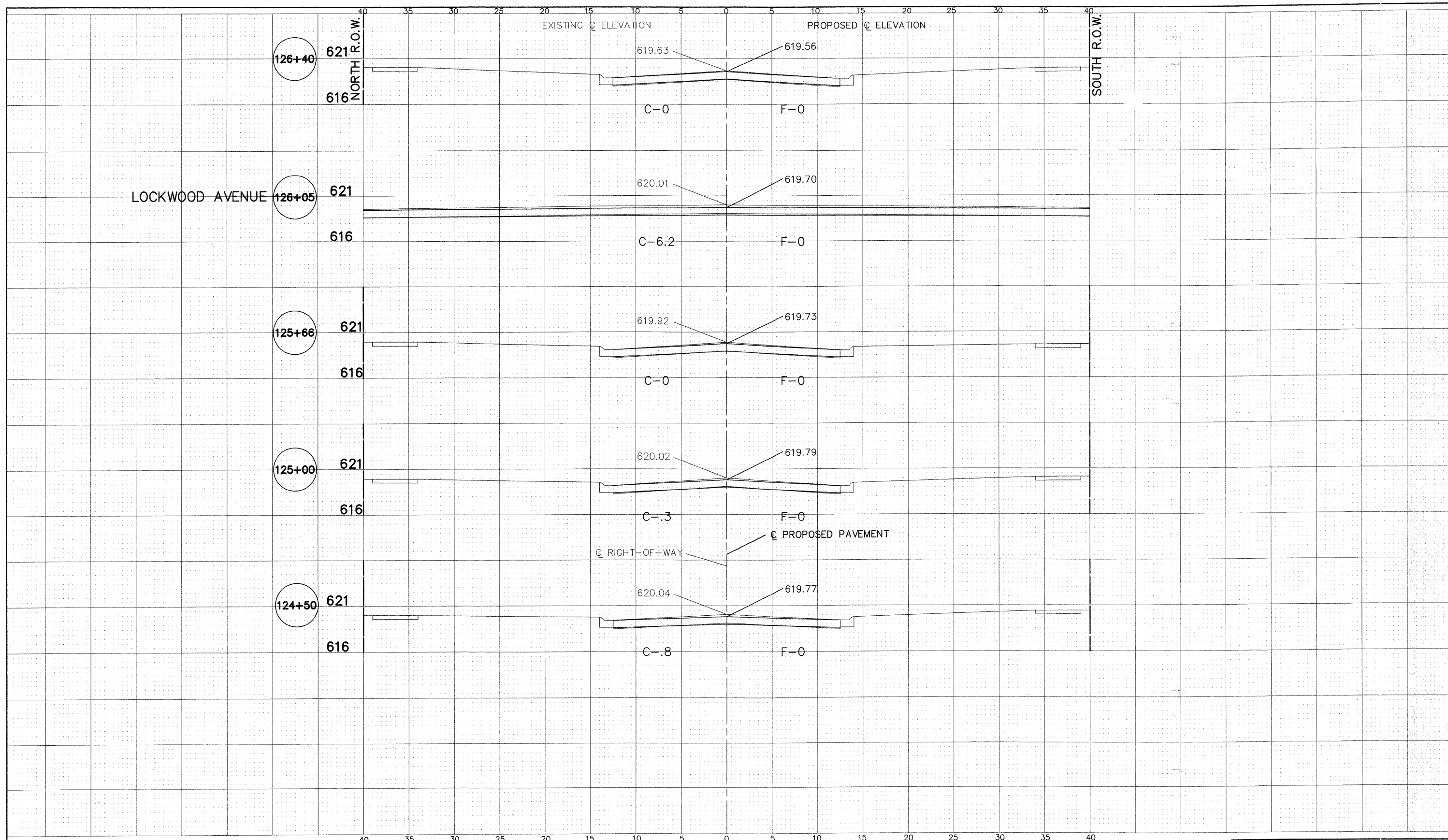
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		CHECKED — JLC	REVISED —
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
83RD STREET - STA. 122+35 TO STA. 124+00

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	09-00047-00-RS	COOK	57	34
CONTRACT NO. 63443				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	HPP-0797(123)		



83RD STREET


Frank Novotny & Associates, Inc.
 835 Midway Drive • Willowbrook, IL • 60527 • Telephone (630) 897-8640 • Fax: (630) 897-0132
 Civil Engineers
 Municipal Consultants
 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-008628

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USER NAME =

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 DRAWN — JFP-JEP
 CHECKED — JLC
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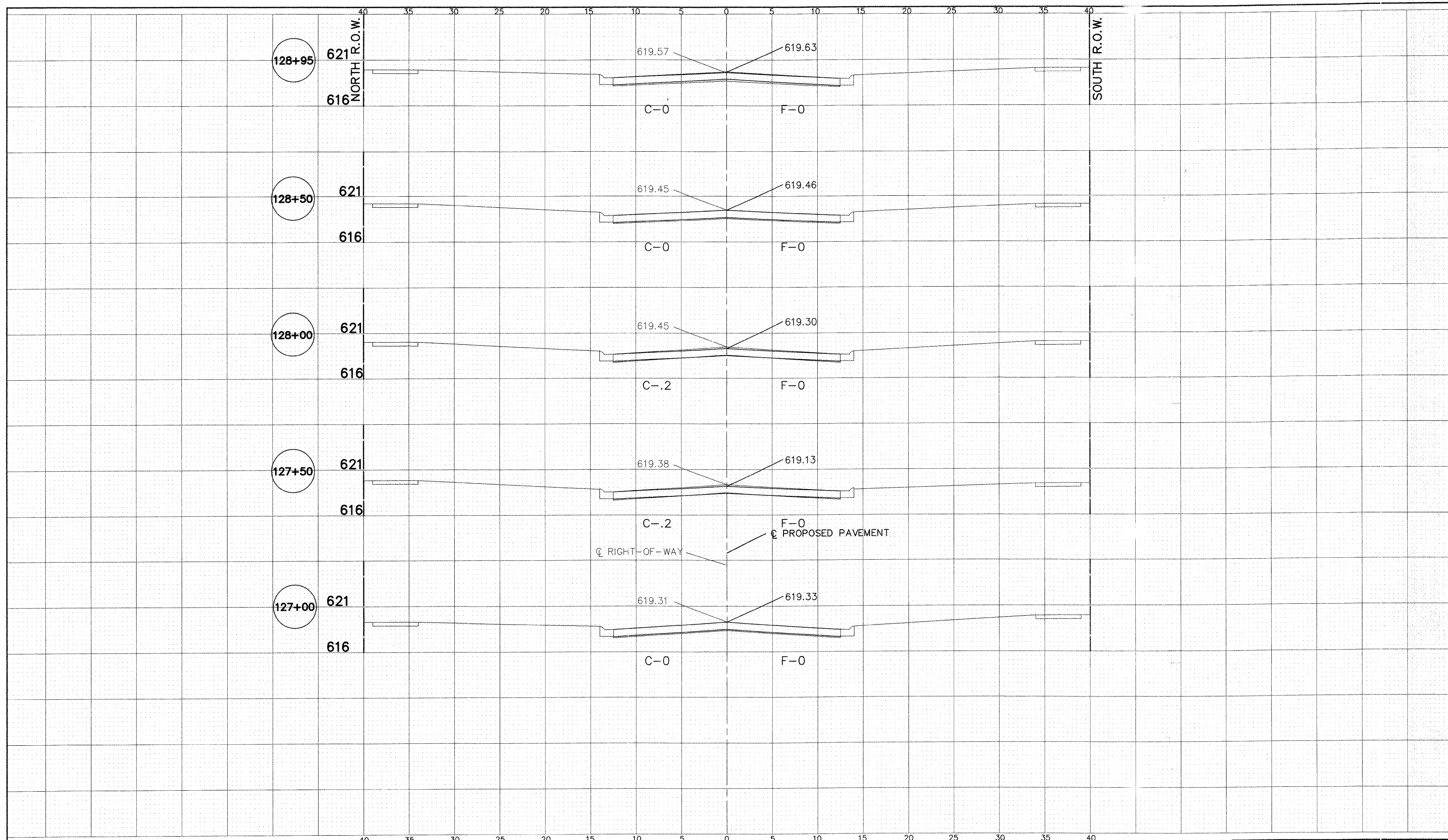
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
83RD STREET - STA. 124+50 TO STA. 126+40

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	09-00047-00-RS	COCK	57	35
CONTRACT NO. 63443				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	HPP-0797(123)	



83RD STREET

Frank Novotny & Associates, Inc.
 Civil Engineers
 Municipal Consultants
 825 Midway Drive • Willowbrook, IL • 60527 • Telephone: (630) 897-8840 • Fax: (630) 897-0132
 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-000283

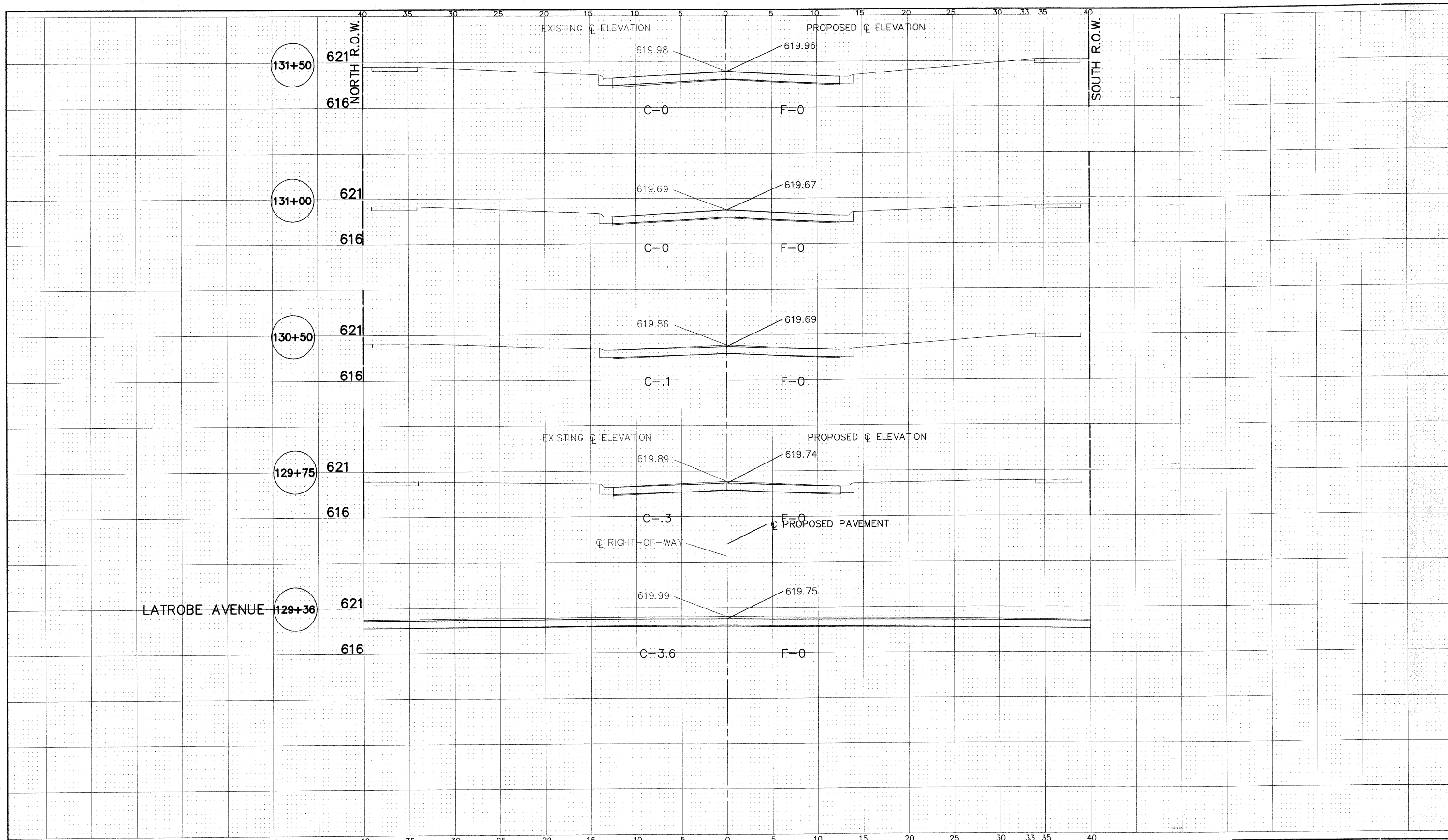
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 83RD STREET - STA. 127+00 TO STA. 128+95

F.A. -	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
RT. -	09-00047-00-RS	COCK	57	36
CONTRACT NO. 63443				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT: HPP-0797(123)			

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



83RD STREET

Frank Novotny & Associates, Inc.
 826 Midway Drive • Willowbrook, IL • 60527 • Telephone: (630) 887-8640 • Fax: (630) 887-8132
 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-00028

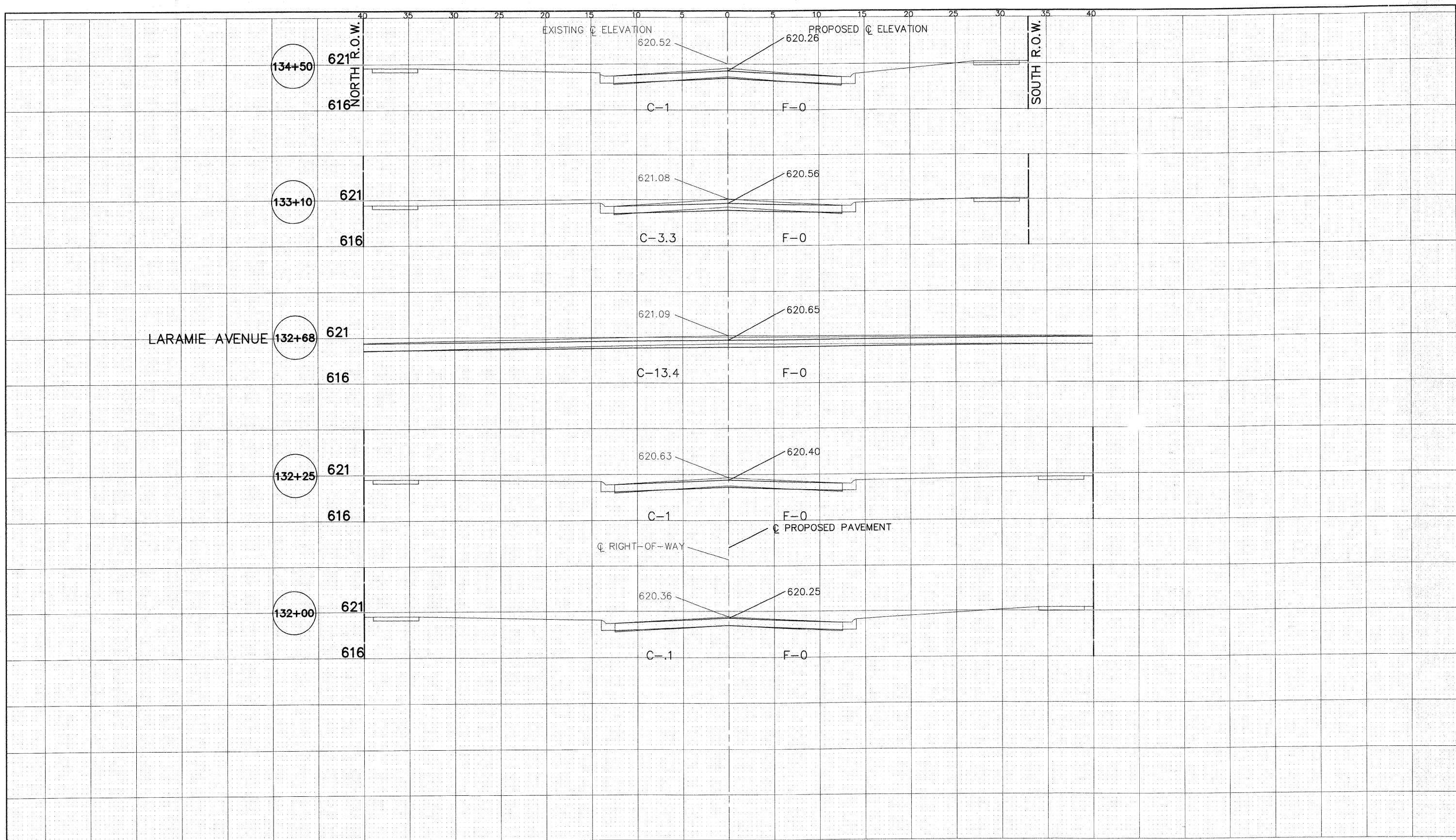
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
83RD STREET - STA. 129+36 TO STA. 131+50

F.A. - RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	09-00047-00-RS	COOK	57	37
CONTRACT NO. 63443				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT HPP-0797(123)		

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



83RD STREET

Frank Novotny & Associates, Inc.
 625 Midway Drive • Willowbrook, IL • 60327 • Telephone: (630) 887-8640 • Fax: (630) 887-0132
 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-008028

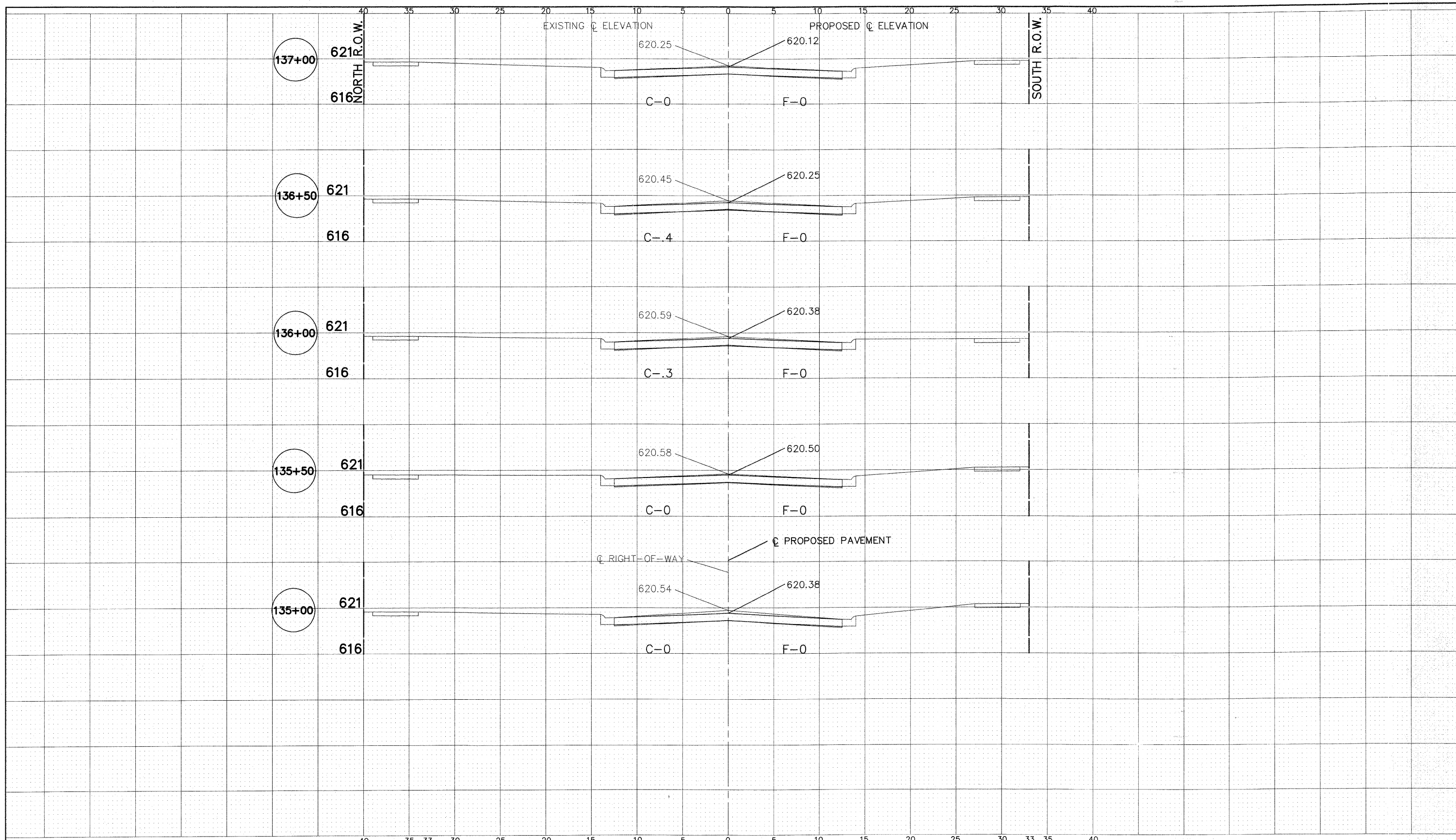
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
83RD STREET - STA. 132+00 TO STA. 134+50

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	09-00047-00-RS	COOK	57	38
CONTRACT NO. 63443				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HPP-0797(123)				



83RD STREET

Frank Novotny & Associates, Inc.
835 Midway Drive • Willmetts, IL • 60577 • Telephone: (312) 887-9640 • Fax: (312) 887-0133
Civil Engineer Municipal Consultant ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-000808

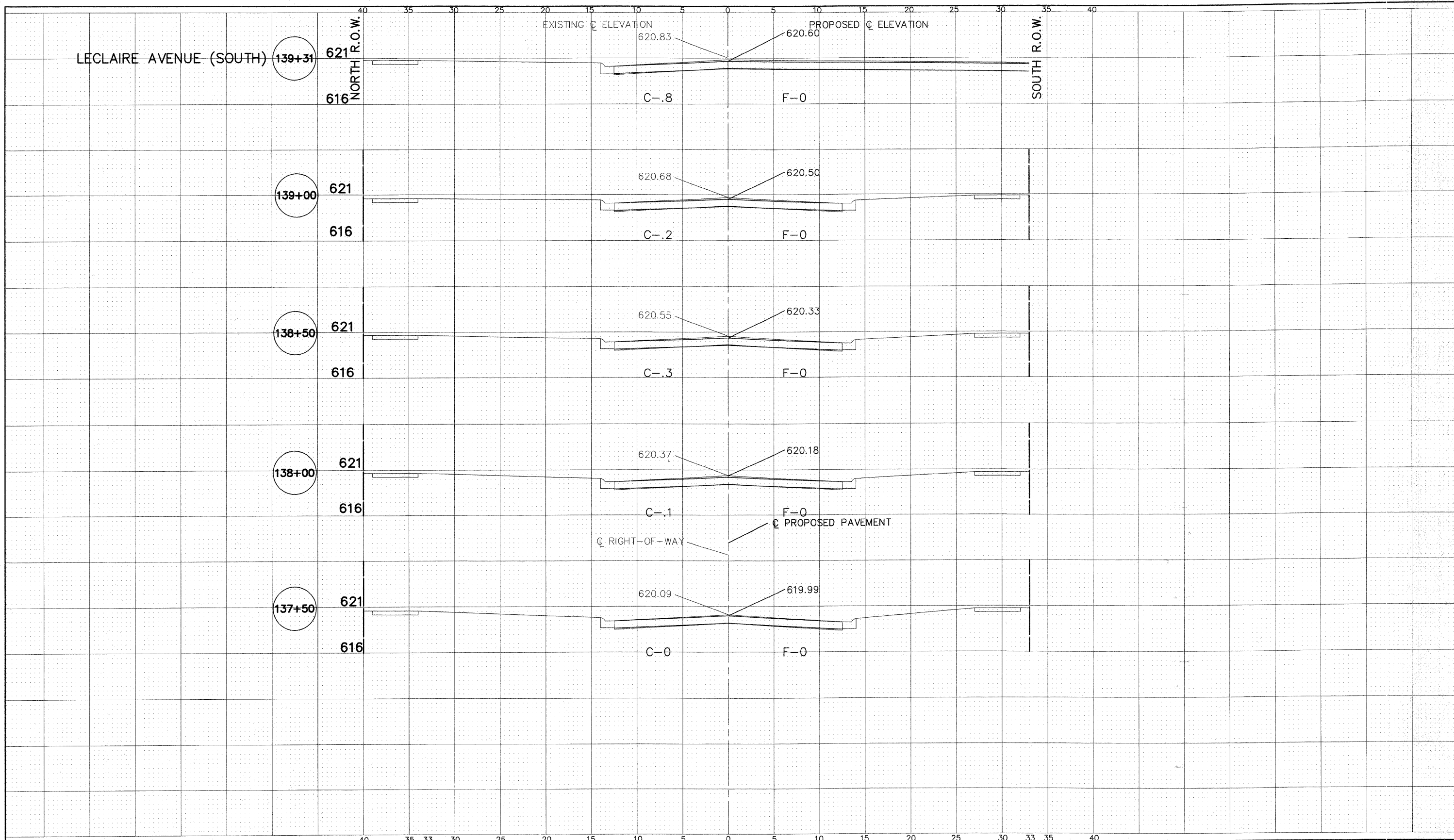
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-	09-00047-00-RS	COOK	57	39
CONTRACT NO. 63443				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	HPP-0797(123)		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
83RD STREET - STA. 135+00 TO STA. 137+00

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



83RD STREET

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 835 Midway Drive • Willowbrook, IL • 60527 • Telephone: (630) 887-8640 • Fax: (630) 887-0132
 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-000628

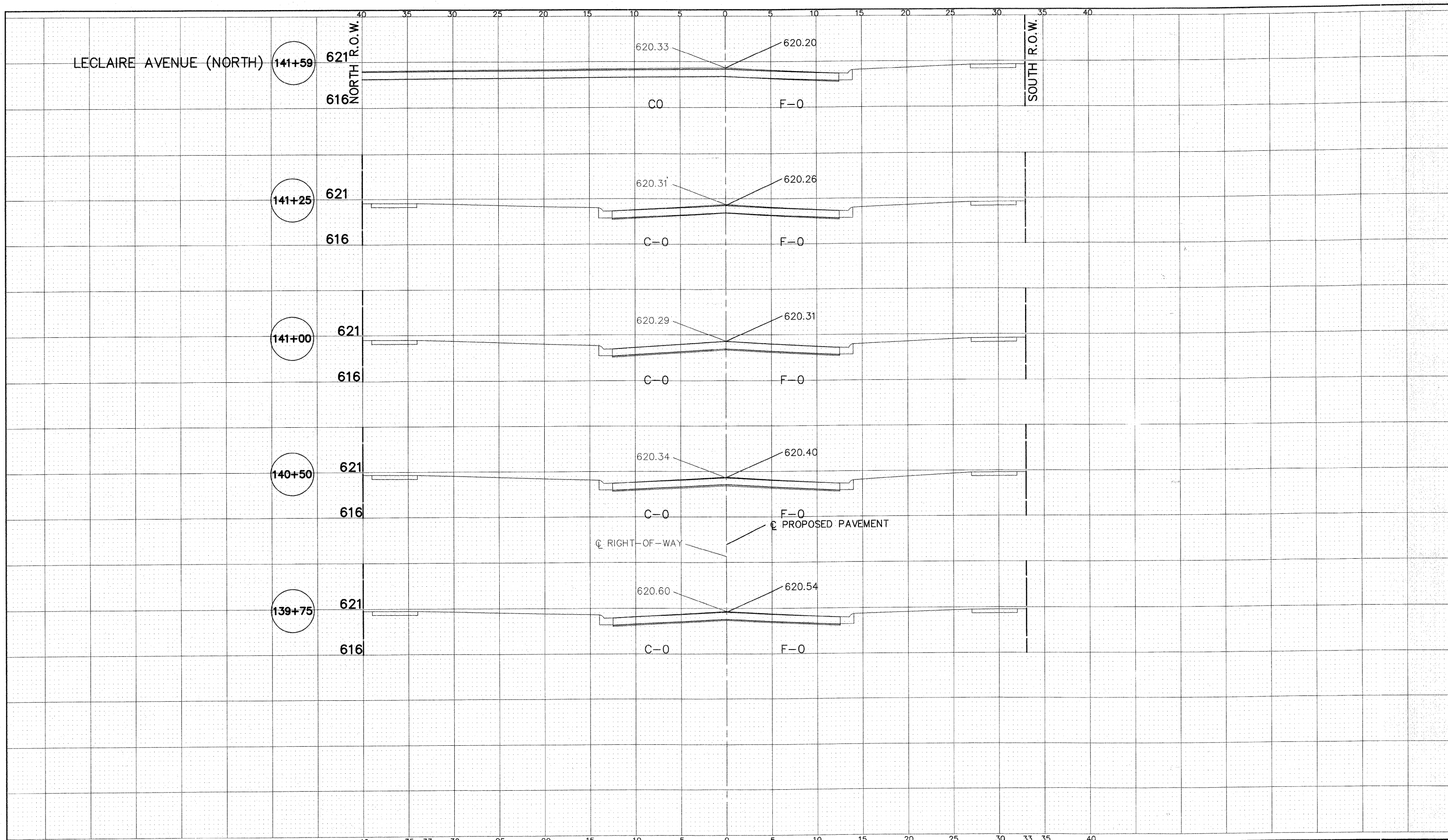
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		DATE — 1"=5'	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
83RD STREET - STA. 137+50 TO STA. 139+31

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	09-00047-00-RS	COOK	57	40
CONTRACT NO. 63443				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	HPP-0797(123)	



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 836 Midway Drive • Wilmette, IL • 60271 • Telephone: (830) 887-8640 • Fax: (830) 887-0130
 Civil Engineers
 Municipal Consultants
 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-000928

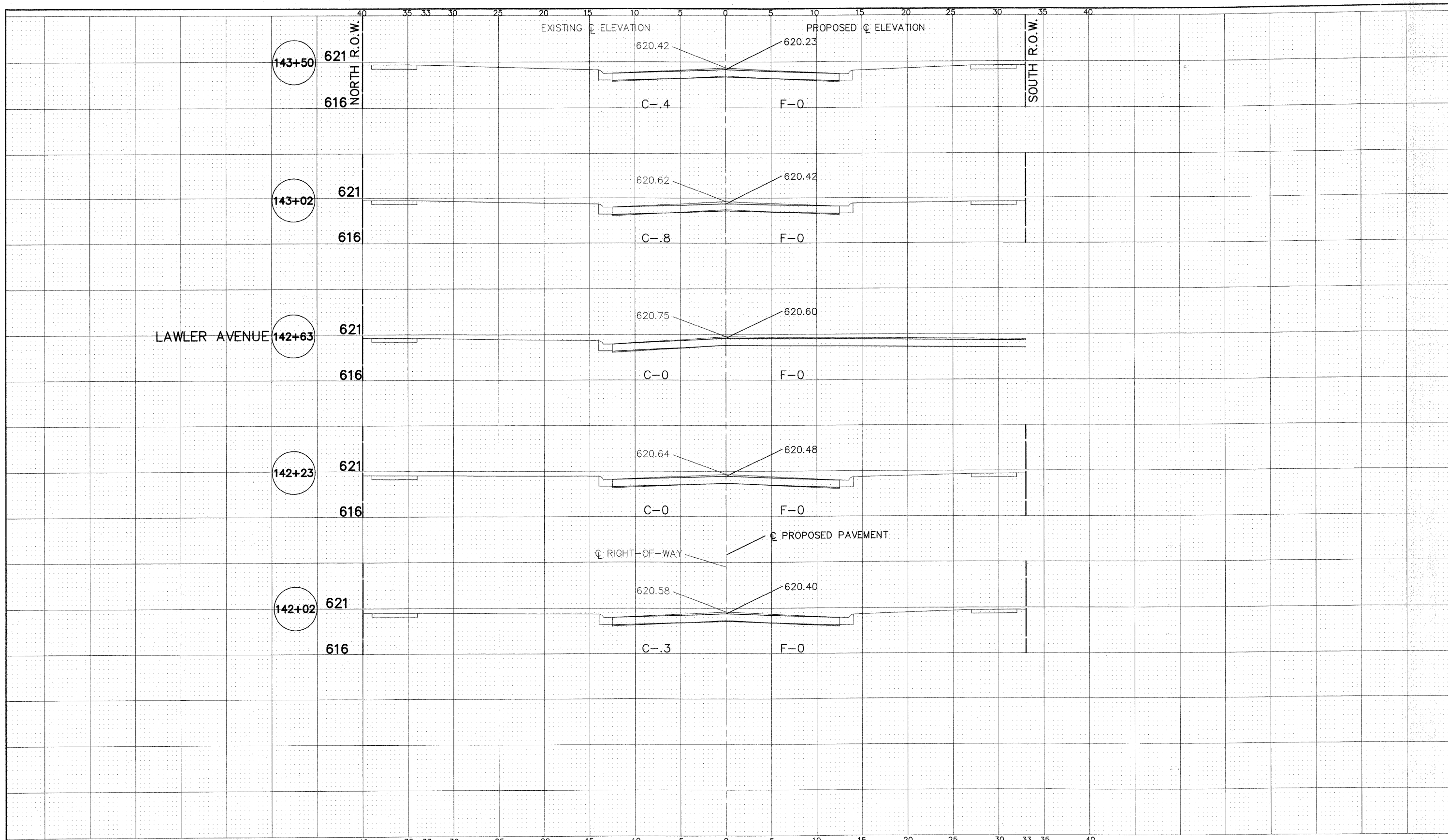
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 83RD STREET - STA. 139+75 TO STA. 141+59**

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	09-0047-00-RS	COOK	57	41
CONTRACT NO. 63443				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJ. NO.	HPP-0797(123)		



83RD STREET


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825 Midway Drive • Willowbrook, IL • 60527 • Telephone: (630) 897-9640 • Fax: (630) 897-0132
 Civil Engineers
 Municipal Consultants
 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-080928

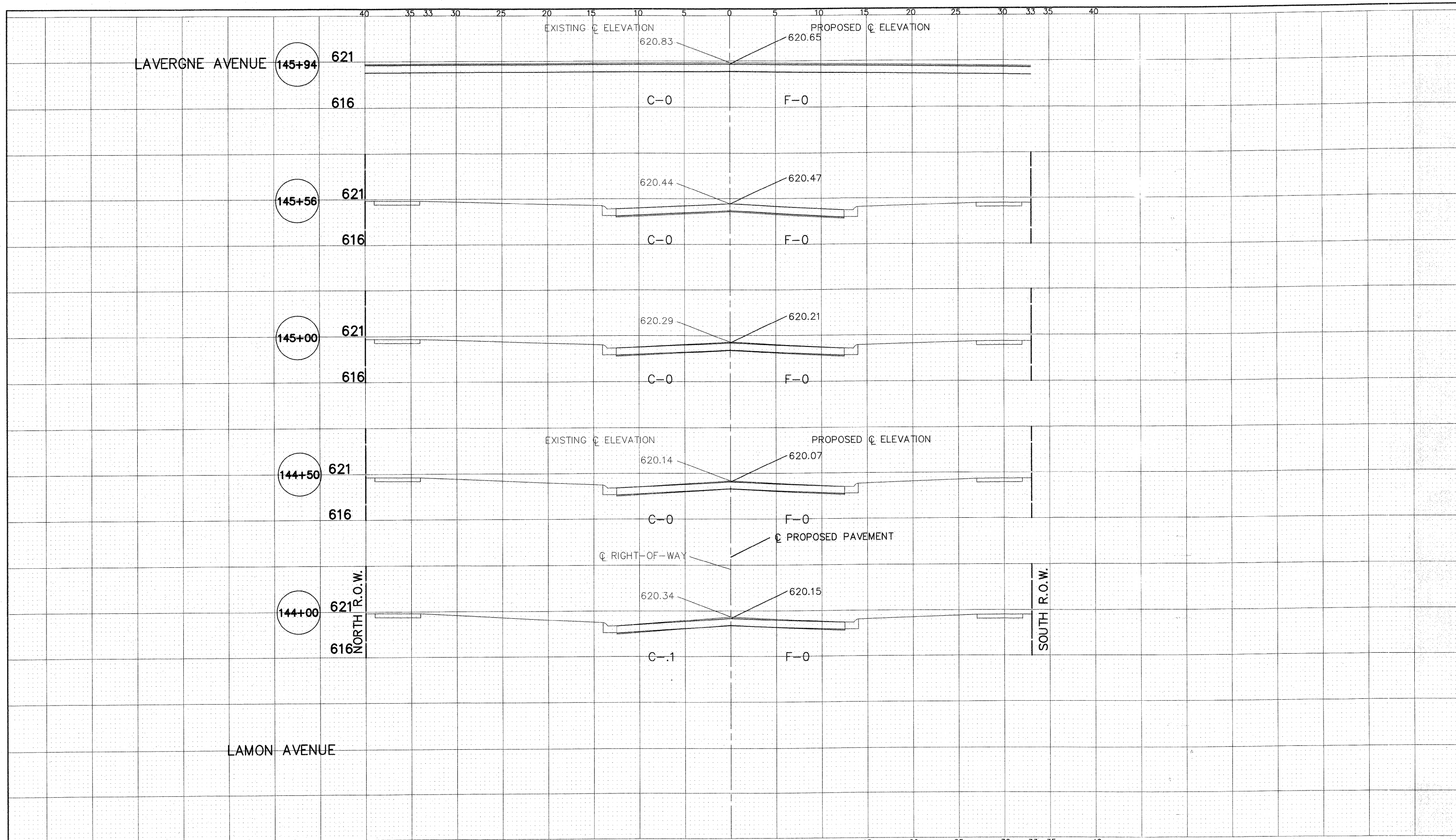
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
83RD STREET - STA. 142+02 TO STA. 143+50

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	09-00047-00-RS	COCK	57	42
CONTRACT NO. 63443				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	HPP-0797(123)		



83RD STREET

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 825 Midway Drive • Willowbrook, IL • 60527 • Telephone: (630) 897-8640 • Fax: (630) 897-0132
 Civil Engineers
 Municipal Consultants
 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 194-000208

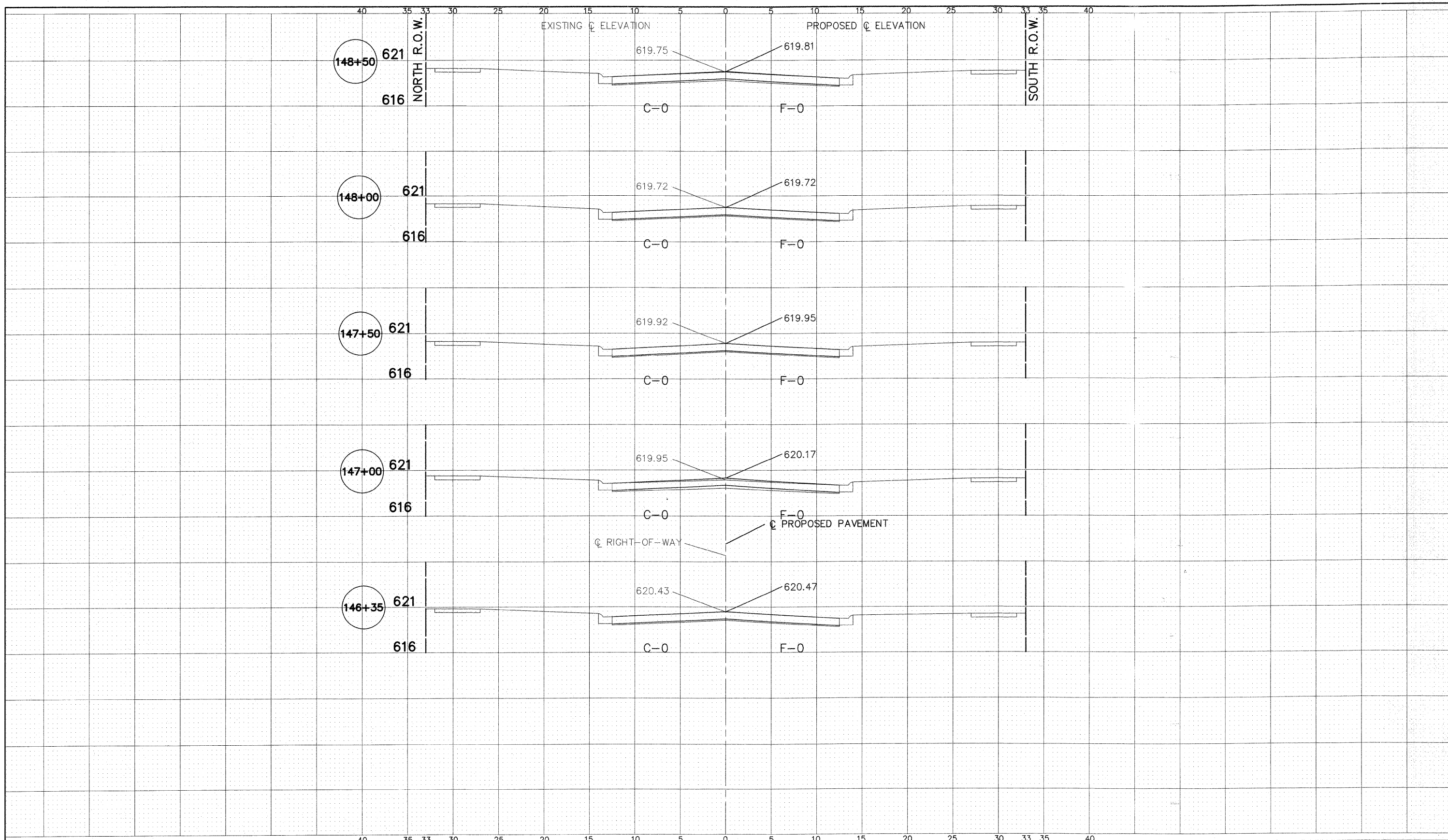
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
83RD STREET - STA. 144+00 TO STA. 145+94

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	09-00047-00-RS	COCK	57	43
CONTRACT NO. 63443				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	HPP-0797(123)		



83RD STREET


Frank Novotny & Associates, Inc.
825 Midway Drive • Willowbrook, IL • 60527 • Telephone: (630) 887-8640 • Fax: (630) 887-0132
 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-000628

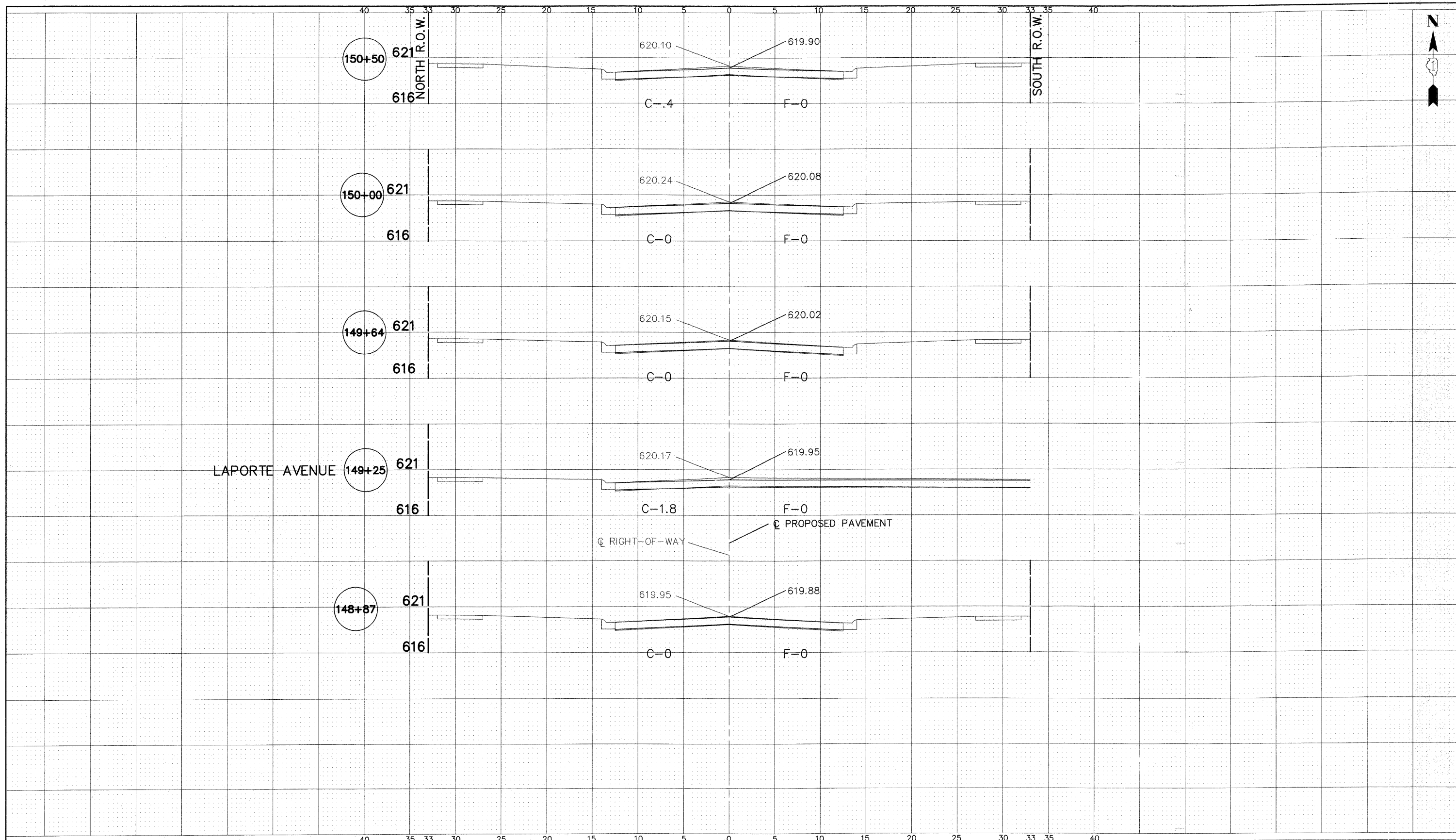
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
83RD STREET - STA. 146+35 TO STA. 148+50

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	09-00047-00-RS	COOK	57	44
CONTRACT NO. 63443				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HPP-0797(123)				



83RD STREET

Frank Novotny & Associates, Inc.
 825 Midway Drive • Willowbrook, IL • 60227 • Telephone: (630) 887-8640 • Fax: (630) 887-0182
 Civil Engineers / Municipal Consultants
 ILLINOIS PROFESSIONAL DESIGN FIRMA NO. 184-000269

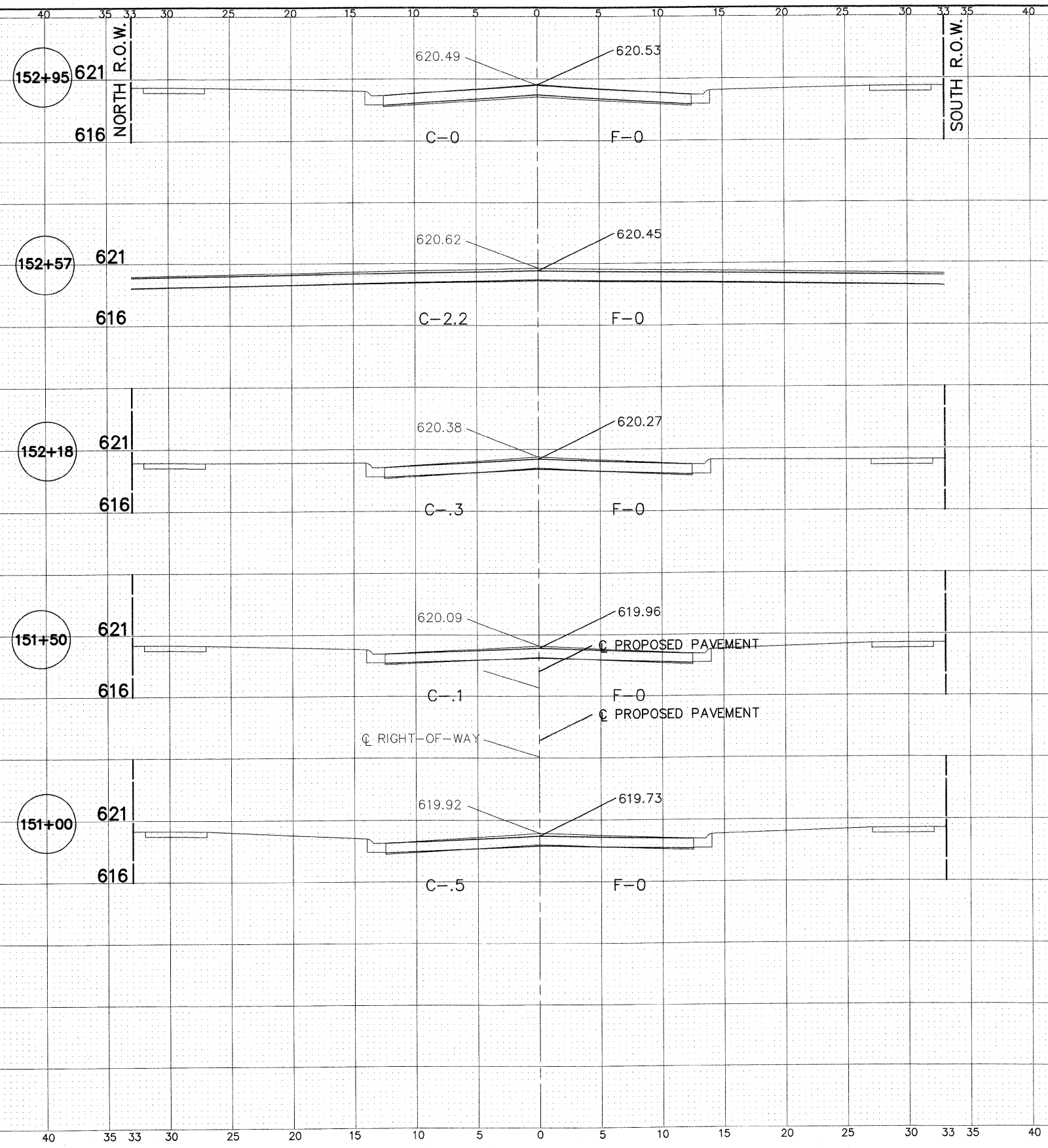
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		DATE -- 1"=5'	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
83RD STREET - STA. 148+87 TO STA. 150+50

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

F.A. R.T.E. --	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	09-00047-00-RS	COOK	57	45
CONTRACT NO. 63443				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	HPP-0797(123)		



83RD STREET

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 Civil Engineers
 838 Midway Drive • Wilmette, IL • 60091 • Telephone: (830) 887-8840 • Fax: (830) 887-0132
 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-000988

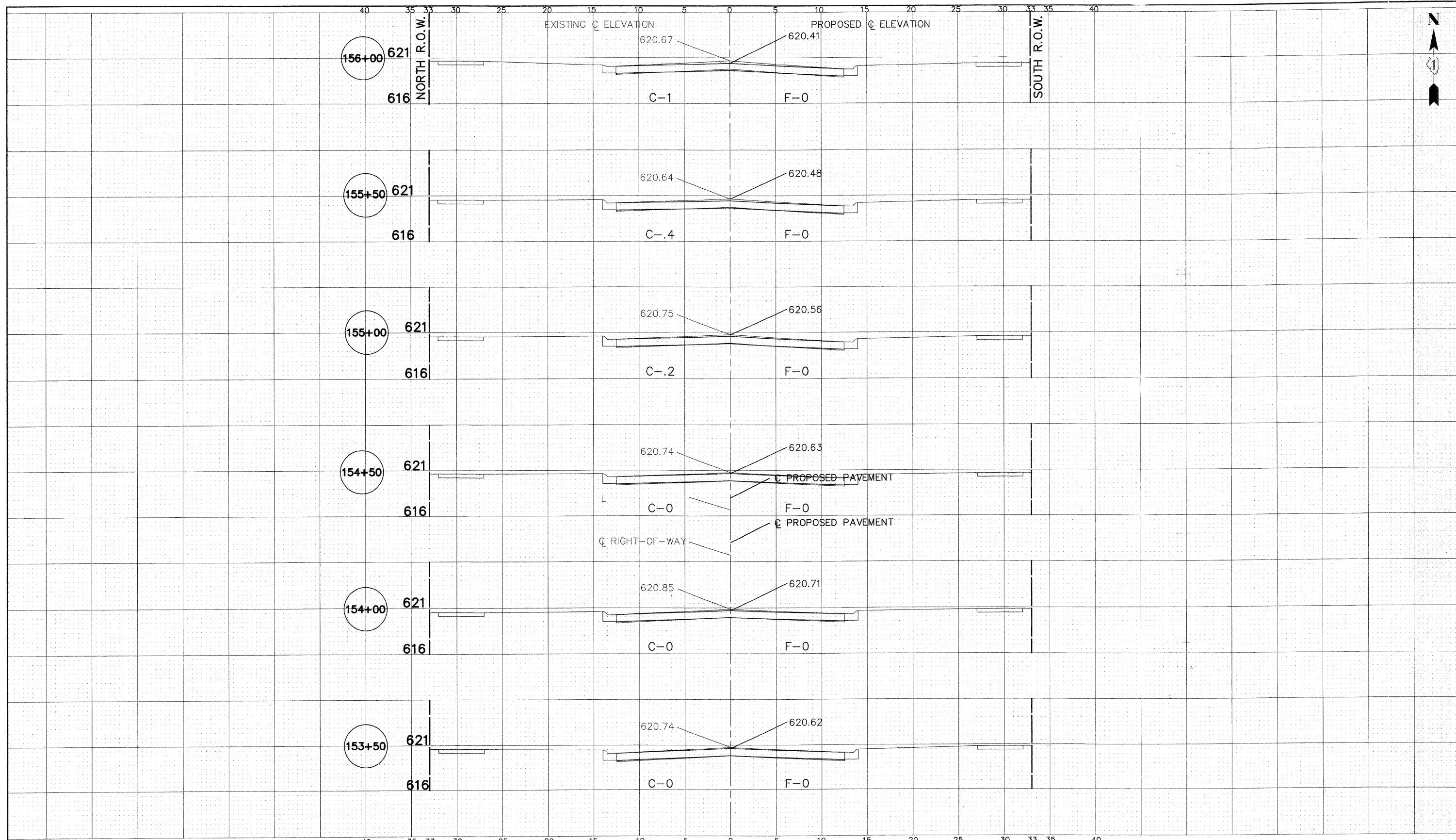
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 83RD STREET - STA. 151+00 TO STA. 152+95

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
--	09-00047-00-RS	COOK	57	46
CONTRACT NO. 63443				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJ. HPP-0797(123)				



83RD STREET

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 Civil Engineers
 285 Midway Drive • Willowbrook, IL • 60527 • Telephone: (630) 887-9640 • Fax: (630) 887-0132
 ILLINOIS PROFESSIONAL DESIGN FIR. 1 NO. 184-000628

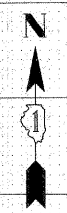
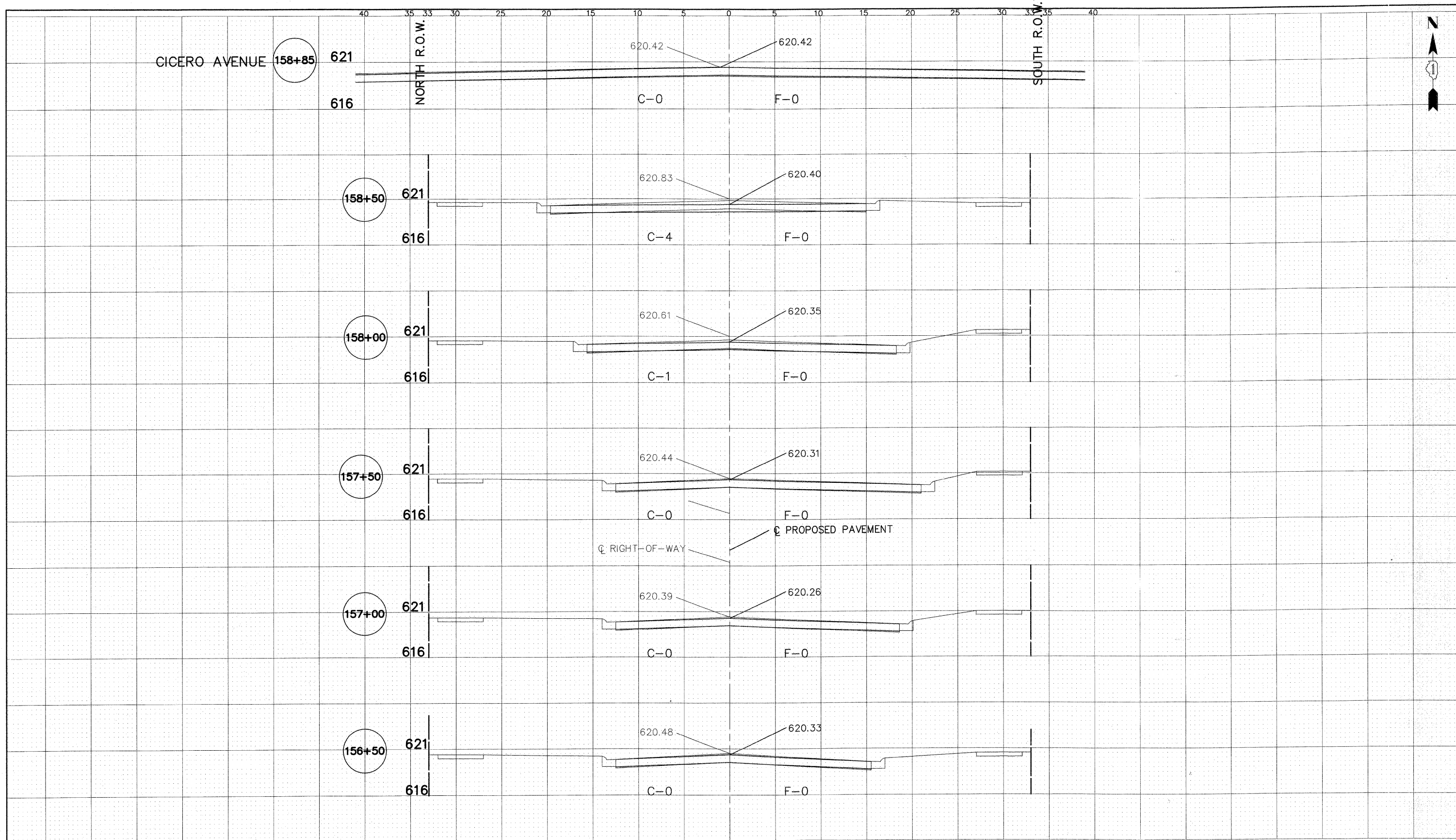
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
83RD STREET - STA. 153+50 TO STA. 156+00

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
—	09-00047-00-RS	COOK	57	47
CONTRACT NO. 63443				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT HPP-0797(123)				



83RD STREET


Frank Novotny & Associates, Inc.
 605 Midway Drive • Willowbrook, IL • 60307 • Telephone: (630) 897-8640 • Fax: (630) 897-0132
 ILLINOIS PROFESSIONAL DESIGN FIRM NO. 184-000208

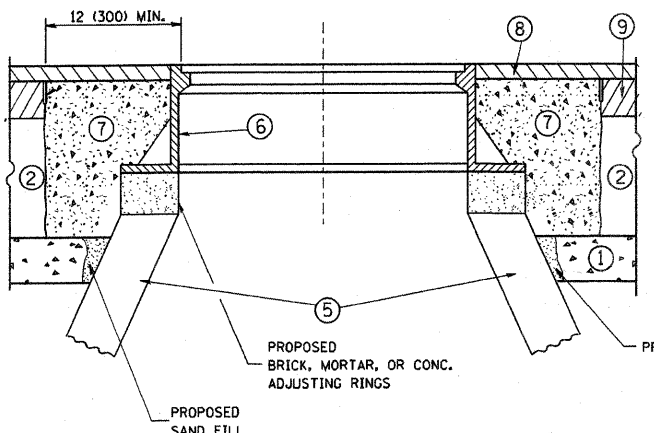
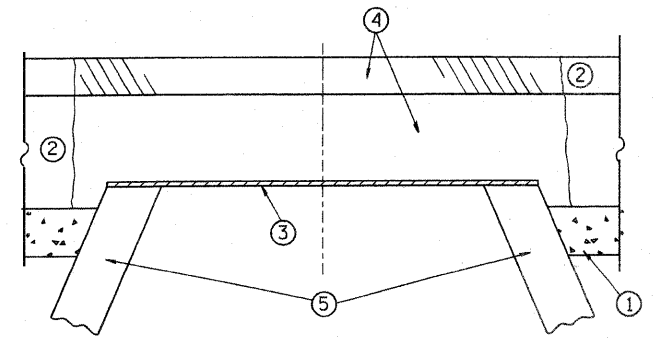
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
83RD STREET - STA. 156+50 TO STA. 158+85

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	09-00047-00-RS	COOK	57	48
CONTRACT NO. 63443				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	HPP-0797(123)		



- 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 1 1/2 (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 S1 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.

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.

- 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 S1 CONCRETE, HMA SURFACE COURSE OR HMA BINDER COURSE
 - ⑧ PROPOSED HMA SURFACE COURSE
 - ⑨ PROPOSED HMA BINDER COURSE

LOCATION OF STRUCTURES:

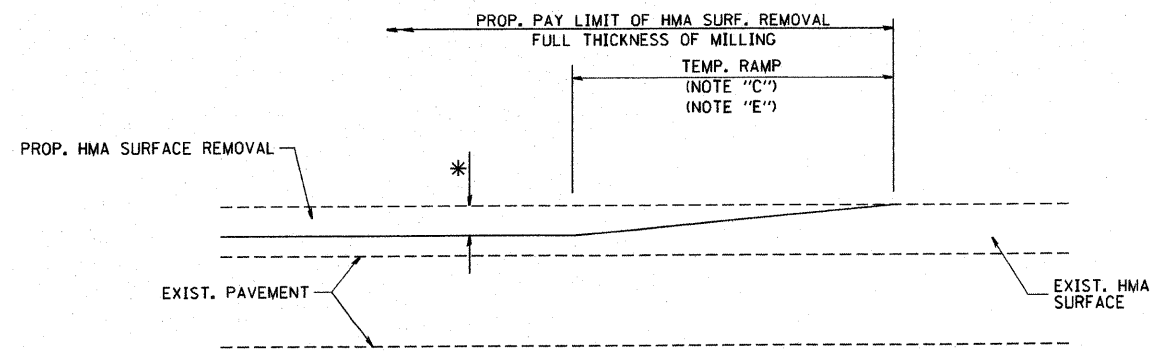
THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

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

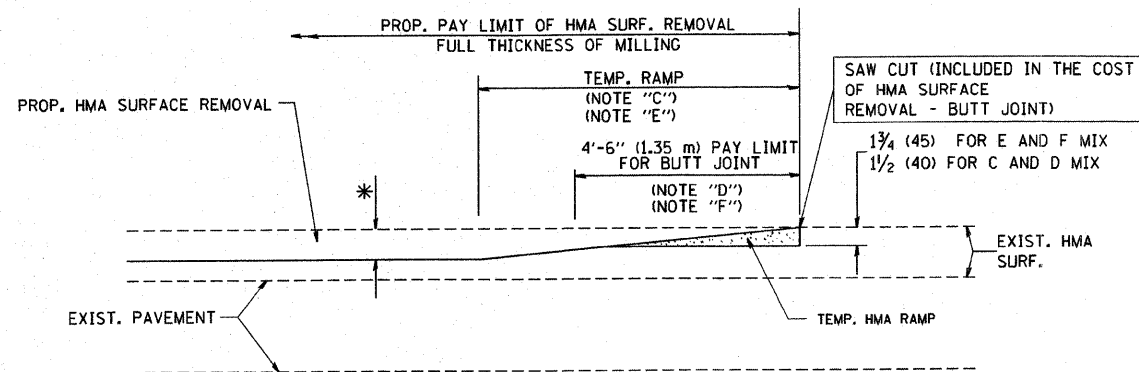
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = gaglienobt	DESIGNED - R. SHAH	REVISED - R. SHAH 03-10-95	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING		F.A. RTE.	SECTION	COUNT	TOTAL SHEETS	SHEET NO.
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		CHECKED -	REVISED - R. WIEDEMAN 05-14-04					BD600-03 (BD-9)		CONTRACT NO. 03443	
		DATE - 10-25-94	REVISED - R. BORO 01-01-07					FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT HPP-0797(123)	



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

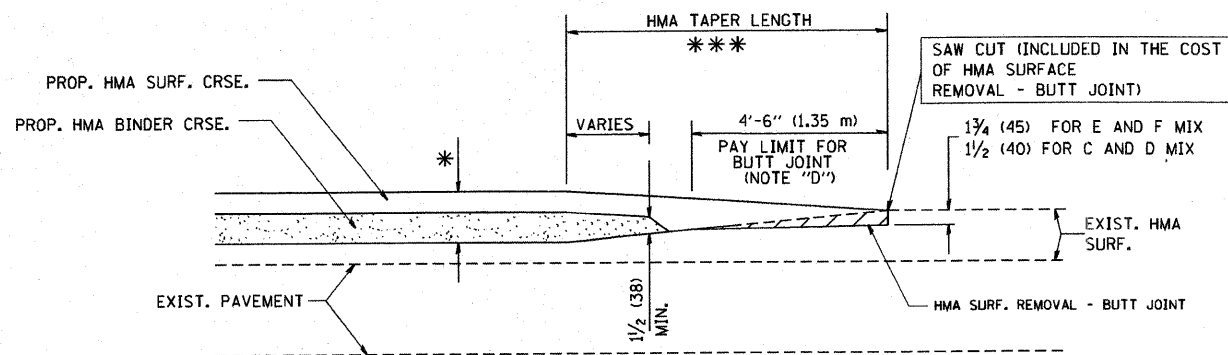
OPTION 1



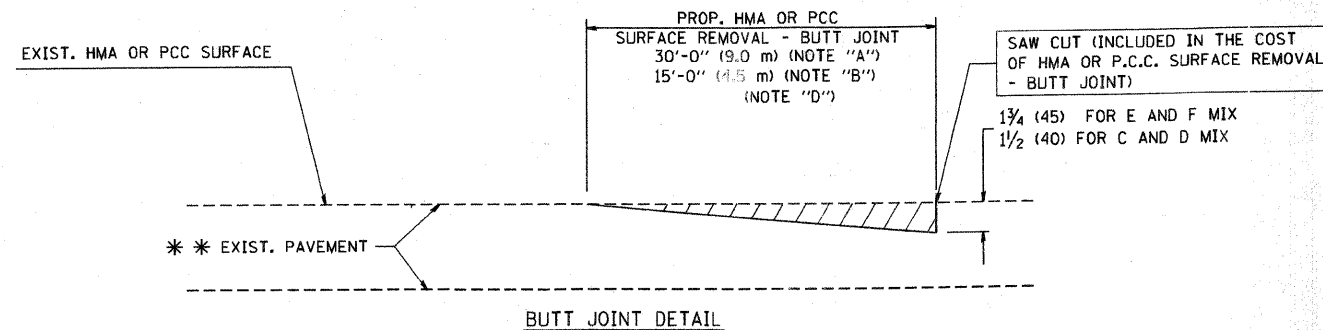
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

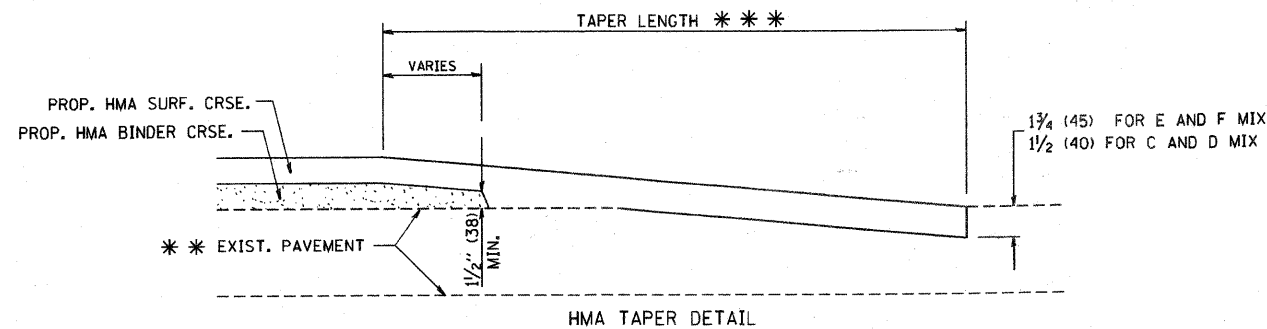
TYPICAL TEMPORARY RAMP



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 ONL

*** 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.

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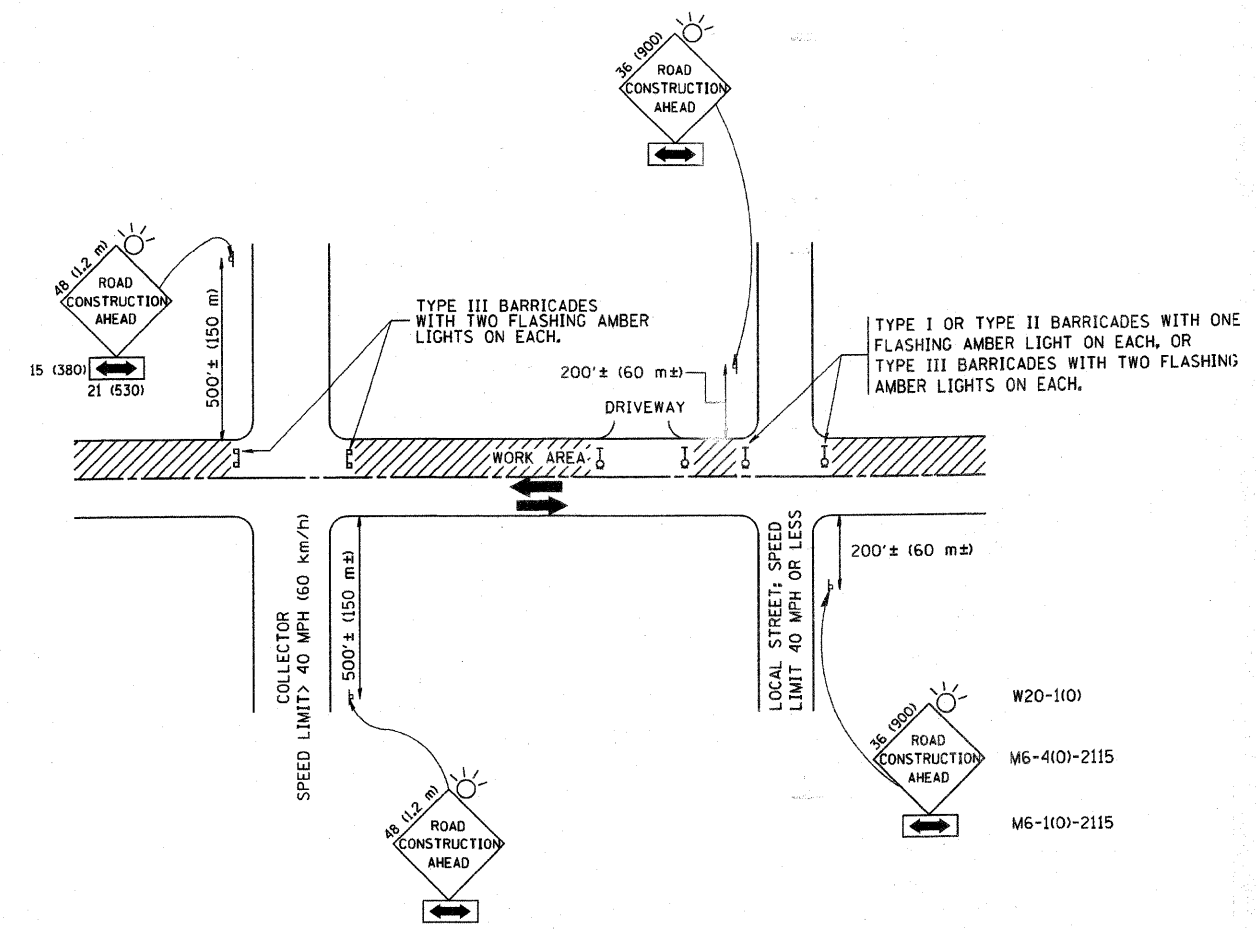
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PLOT SCALE = 50,0000 "/ IN.	CHECKED -	REVISED - A. ABBAS 03-21-97
PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - M. GOMEZ 04-06-01
		REVISED - R. BORO 01-01-07

**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. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	09-00047-00-RS	COOK	57	50
BD400-05 BD32			CONTRACT NO. 03443	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT HPP-0797(123)				



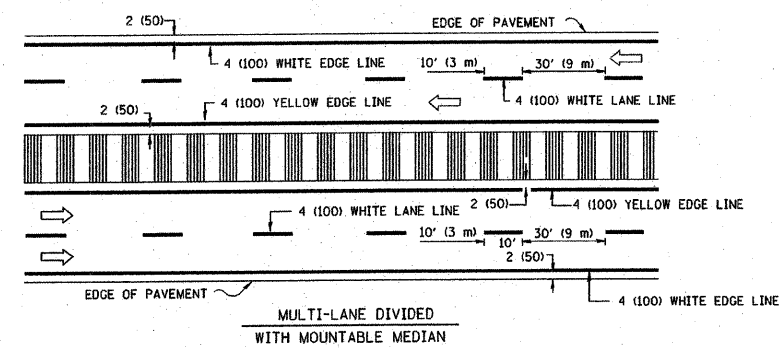
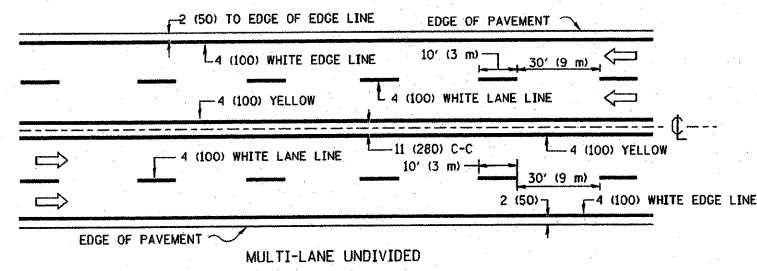
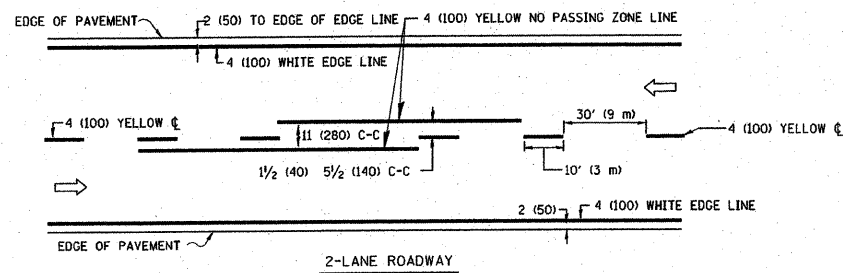
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
 - SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
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.

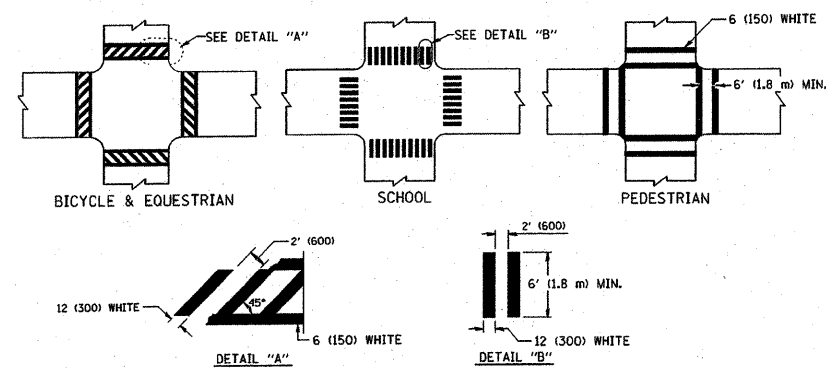
All dimensions are in millimeters (inches) unless otherwise shown.

FILE NAME = W:\diststd\22x34\tc10.dgn	USER NAME = geglcnabt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED - A. HOUSEH 03-06-96					-	09-00047-00-RS	COOK	57	51
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.			TC-10 CONTRACT NO. 02443				
								FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT HPP-0797(123)				

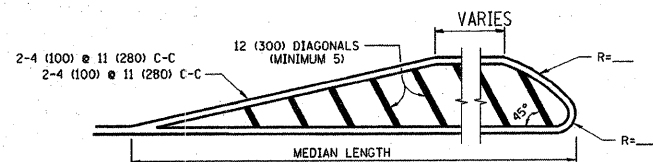
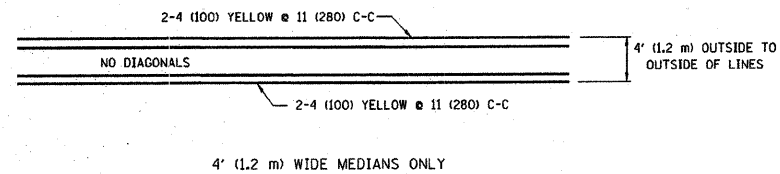


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

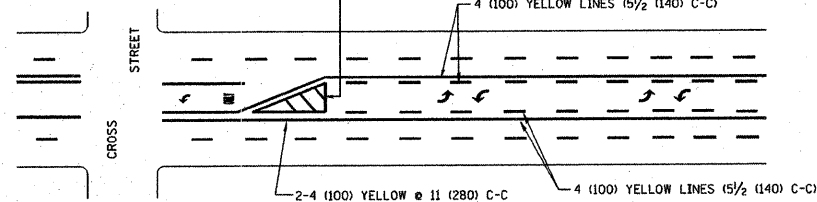


TYPICAL CROSSWALK MARKING

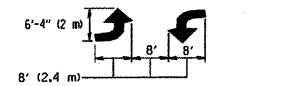


FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.
 DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
 75' (25 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h))
 150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

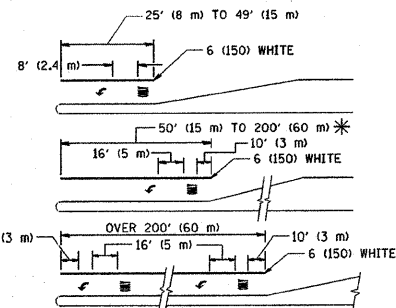


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

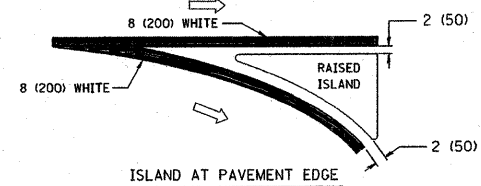
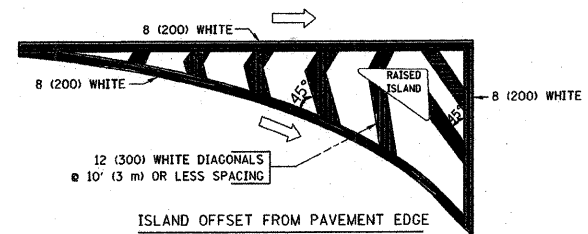
TYPICAL PAINTED MEDIAN MARKING



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

	LARGE SIZE	SMALL SIZE
THROUGH ARROW	1.07 (11.5)	0.60 (6.5)
LEFT OF RIGHT ARROW	1.47 (15.6)	0.60 (6.5)
COMBINATION LEFT (RIGHT) AND THROUGH ARROW	2.42 (26.0)	1.37 (14.7)
RAILROAD "R" 1.8m (6ft.)	0.33 (3.6)	—
RAILROAD "X" 6.1m (20ft.)	5.02(54.0)	—
HANDICAPPED SYMBOL	0.43 (4.6)	—

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

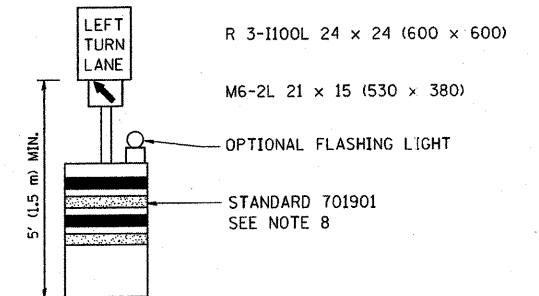
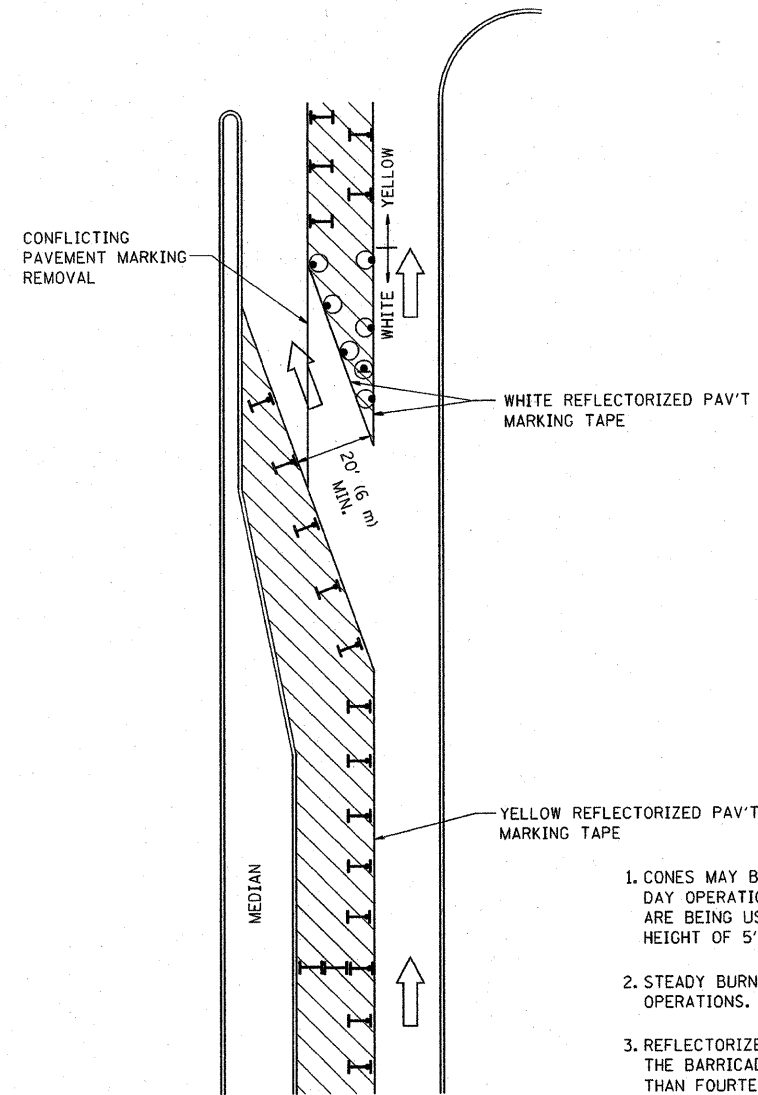
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		CHECKED -	REVISED -
		DATE - 03-19-90	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	09-00047-00-RS	COOK	57	52
TC-13		CONTRACT NO. 63443		
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT HPP-0797(123)				









GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHR 350 PREQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

LEGEND

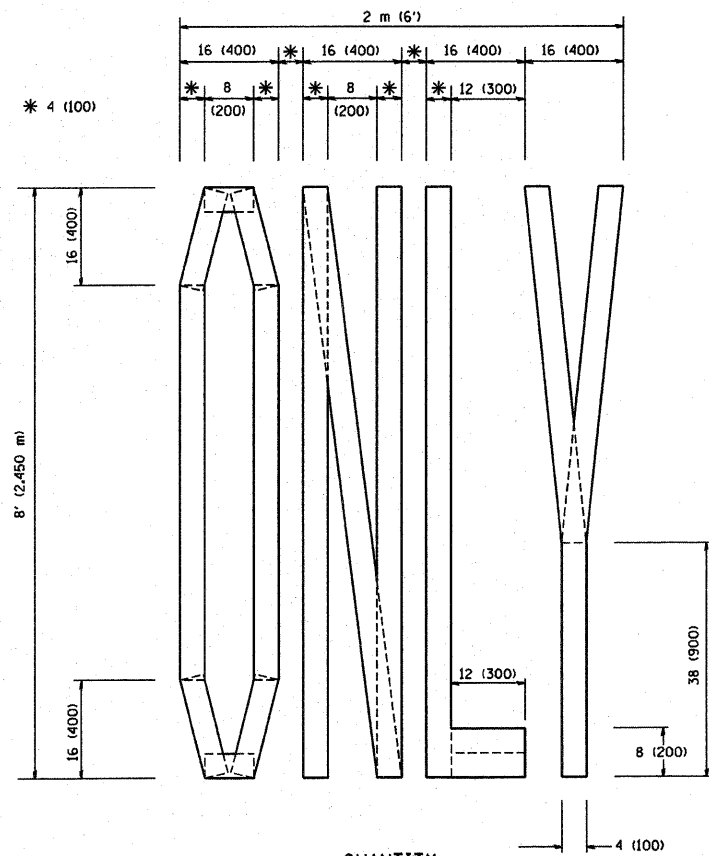
-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

FILE NAME =	USER NAME = drlvakosgn	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
e:\pwork\pwork\DOT\ORIVAKOSGN\d0108315\ts14.dgn		REVISED - A. HOUSEH 11-07-95	REVISED -
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	PLOT DATE = 9/14/2009	REVISED - T. RAMMACHER 01-06-00	REVISED -

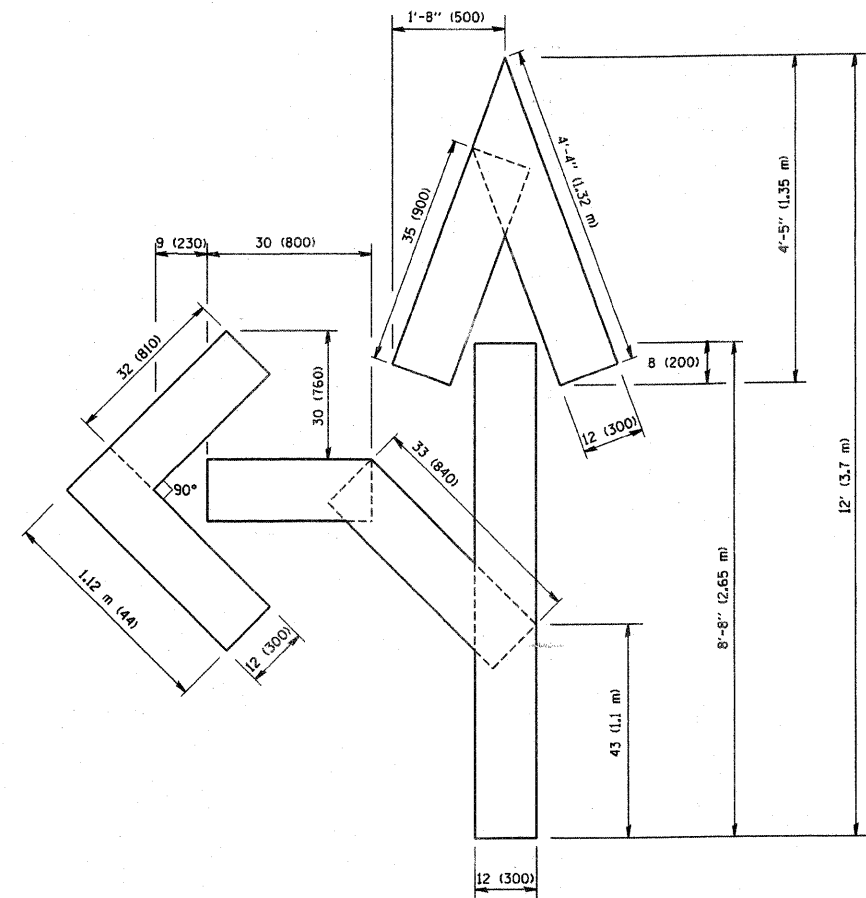
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

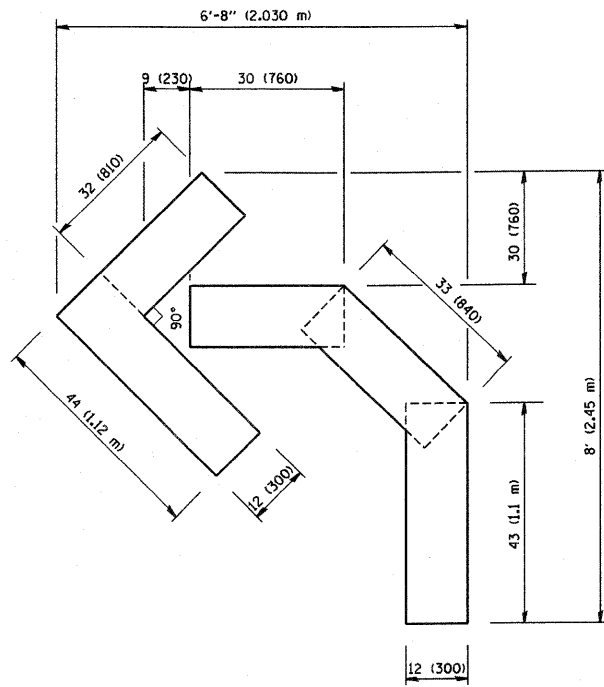
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	09-00047-00-RS	COOK	57	53
TC-14				CONTRACT NO. 10344.3
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT	HPP-0797(123)	



QUANTITY
 4 (100) LINE = 64.1 ft. (19.7 m)
 21.1 sq. ft. (1.97 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.3 m)
 27.5 sq. ft. (2.53 sq. m)



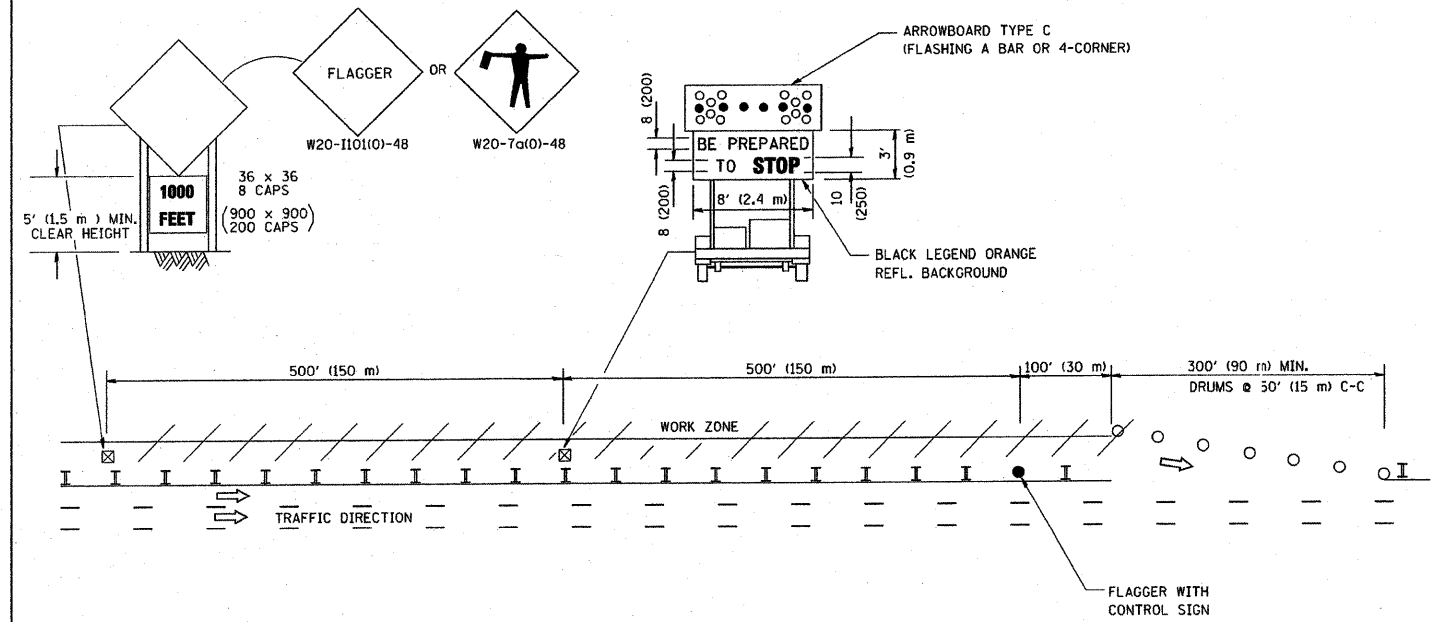
QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.39 sq. m)

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

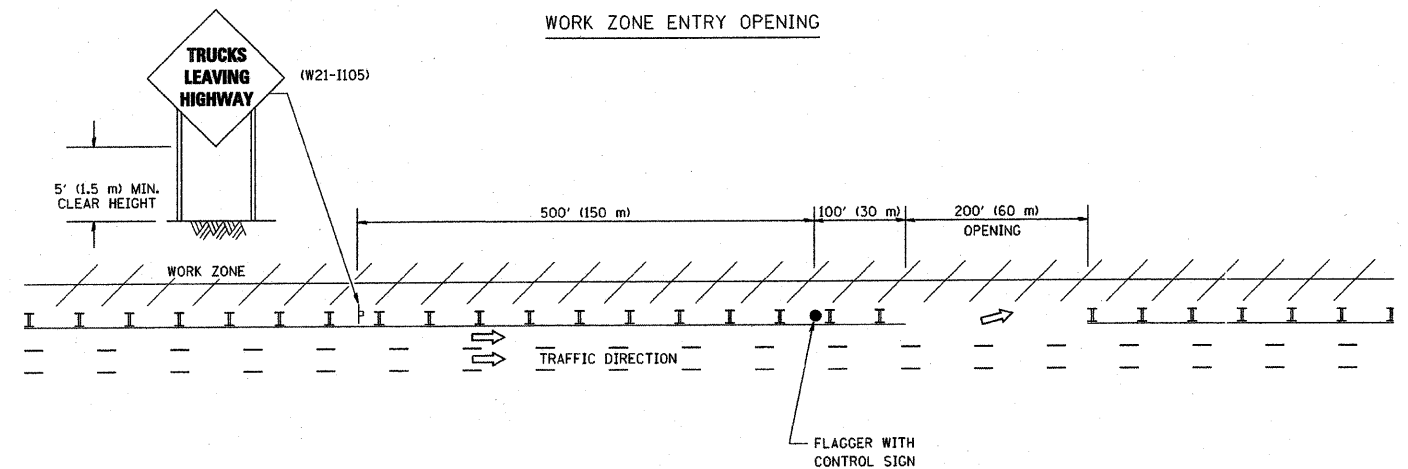
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	PLOT SCALE = 58.0000' / IN.	DRAWN -	REVISED -T. RAMMACHER 11-04-97		SCALE: NONE	SHEET NO. 1	OF 1 SHEETS	STA.	TO STA.	TC-16			CONTRACT NO. 03443
	PLOT DATE = 1/4/2008	CHECKED -	REVISED -T. RAMMACHER 03-02-98										
		DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00										
								FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT HPP-0797(123)					

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



NOTES:

1. THE ARROWBOARD, THE FLAGGER AHEAD SIGN AND THE TRUCKS LEAVING HIGHWAY SIGN SHALL BE REMOVED OR TURNED AWAY FROM TRAFFIC AND THE EXIT AND ENTRY OPENINGS SHALL BE CLOSED WHEN THE FLAGGING OPERATION CEASES. NON OPERATING EQUIPMENT SHALL COMPLY WITH ARTICLE 701.11
2. WORK ZONE EXIT OPENINGS SHOULD BE A MINIMUM OF ONE HALF MILE APART.
3. EXITING THE WORK ZONE AT ANY PLACE OTHER THAN AT A WORK ZONE EXIT OPENING WILL BE PROHIBITED.
4. ALL VEHICLES SHALL ENTER THE WORK ZONE AT ENTRY OPENINGS, USING THEIR TURN SIGNALS TO WARN MOTORISTS

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

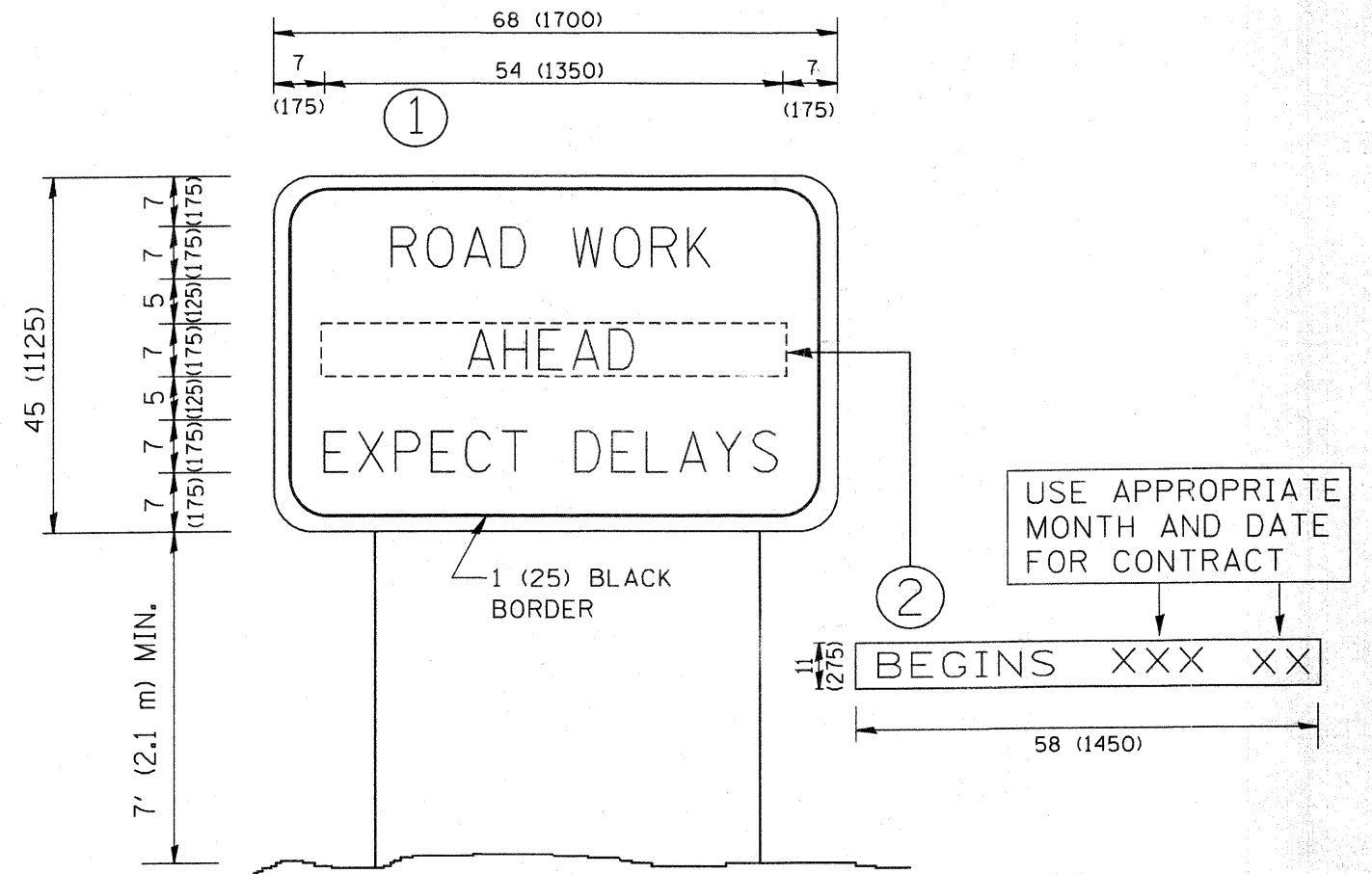
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	PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED - S.P.B. 01-07
	PLOT DATE = 1/26/2010	DATE -	REVISED - S.P.B. 12-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING FOR FLAGGING OPERATIONS
AT WORK ZONE OPENINGS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	09-00047-00-RS	COOK	57	55
TC-18			CONTRACT NO. 03443	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT HPP-0797(123)				



NOTES:

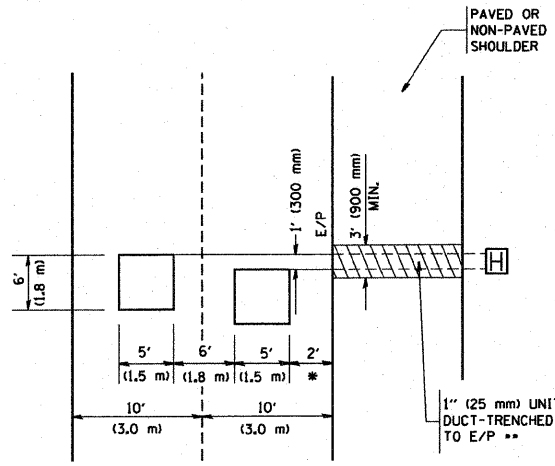
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
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:\d\state\22x34\to22.dgn	USER NAME = gaglionobt	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 60.000' / IN.	DRAWN -	REVISED - R. MIRS 12-11-97					-	09-00047-00-RS	COOK	57	56
	PLOT DATE = 1/4/2008	CHECKED -	REVISED - T. RAMMACHER 02-02-99					TC-22			CONTRACT NO. 03443	
		DATE -	REVISED - C. JUCIUS 01-31-07					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT HPP-0797(123)				
				SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA.		TO STA.		

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.

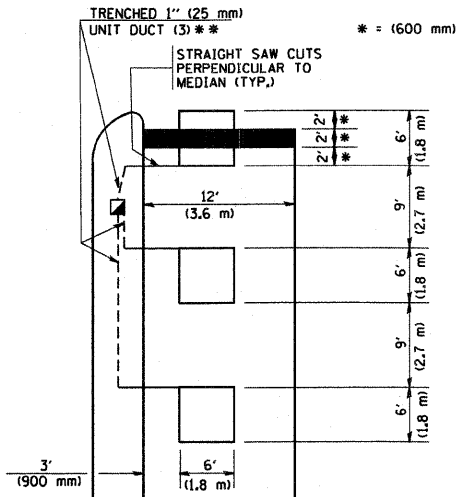


* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

**LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)**

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



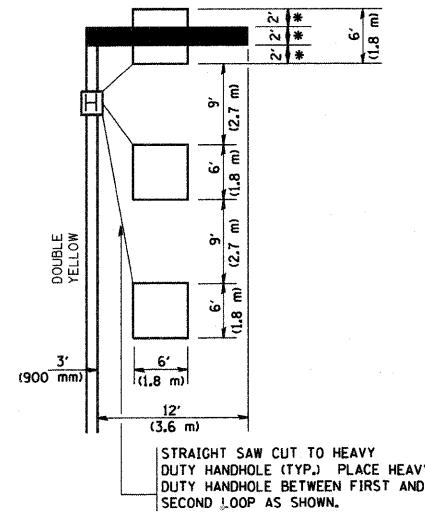
* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

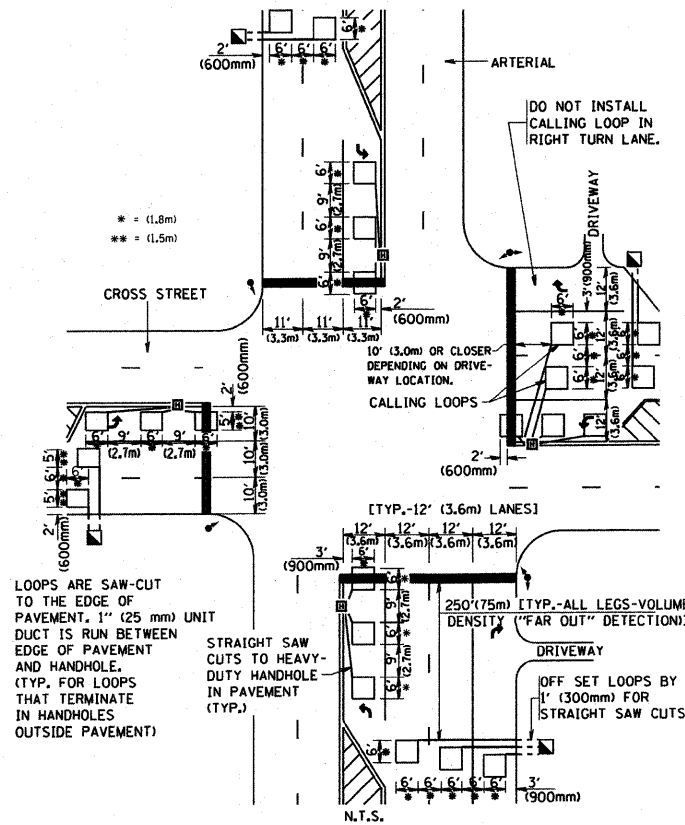
**LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)**

* = (600 mm)



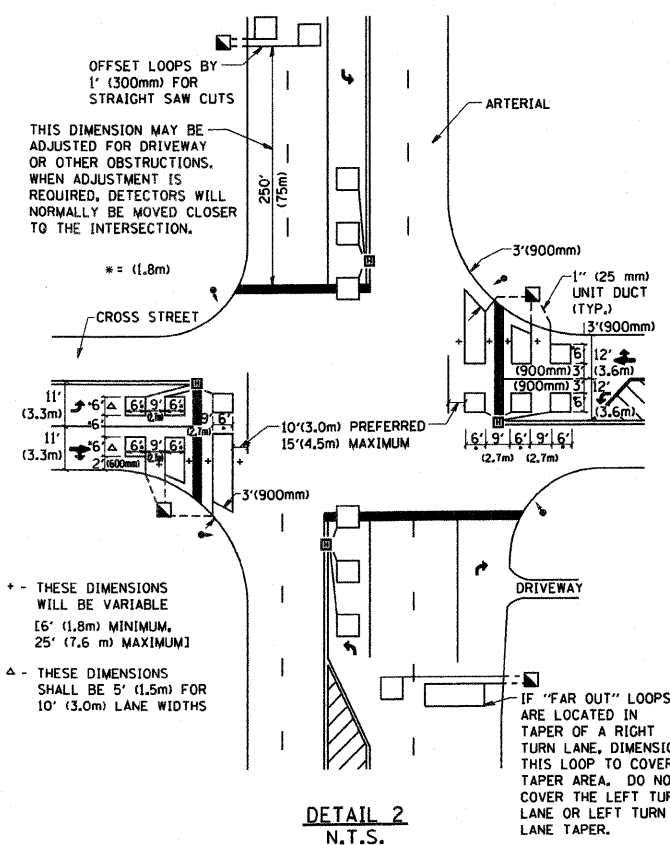
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)**



DETAIL 1
N.T.S.

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)**



DETAIL 2
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- * ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- * EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- * WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- * WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DIMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

FILE NAME = W:\diststd\22x34\ts07.dgn	USER NAME = goglienobt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING	F.A. RTE. -	SECTION - 09-0047-00-RS	COUNTY - COOK	TOTAL SHEETS - 57	SHEET NO. - 57	
PLOT SCALE = 50.0000' / IN.	CHECKED - R.K.F.	REVISED -	REVISED -			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. -	TO STA. -	CONTRACT NO. 03443	
PLOT DATE = 1/4/2008	DATE -	REVISED -	REVISED -					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT HPP-0797(123)			