F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	1
	PROJ RS-CMM-8003(612) ILLINOIS	CONTRACT NO. 63671		

+1 = 153

03-09-12 LETTING ITEM 137

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886006-01 TYPCAL LAYOUTS FOR DETECTION LOOPS
BLR 24-2 MAILBOX TURNOUT FOR LOCAL ROADS

PROJECT ENGINEER: CJM
PROJECT MANAGER: MAS
CONTRACT NO. 63671

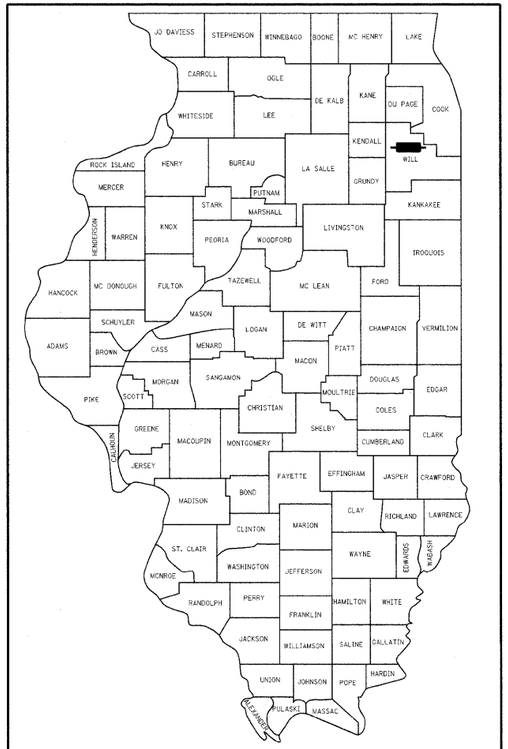
PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E. (847)705-4206 SCHAUMBURG, IL

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID PROJECT

FAU ROUTE 324 / WILL CH 14 (PLAINFIELD NAPERVILLE ROAD) AT FAU ROUTE 3767 (119TH STREET)
SECTION 04-00036-22-TL
PROJECT RS-CMM-8003(612)
INTERSECTION IMPROVEMENT
WILL COUNTY

C-91-284-06



LOCATION OF SECTION INDICATED THUS:-

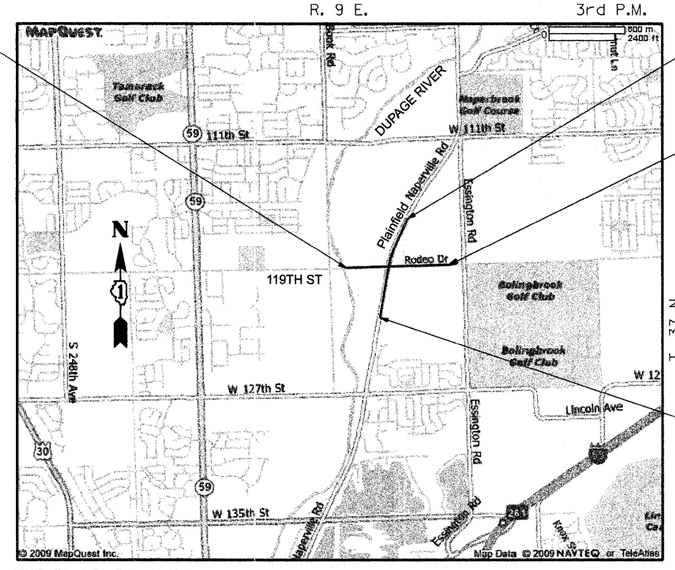
119TH STREET / RODEO DRIVE IMPROVEMENT BEGINS STATION 293+49

PLAINFIELD NAPERVILLE ROAD IMPROVEMENT BEGINS STATION 205+35

119TH STREET / RODEO DRIVE IMPROVEMENT ENDS STATION 330+52

PLAINFIELD NAPERVILLE ROAD IMPROVEMENT ENDS STATION 245+14

R. 9 E. 3rd P.M.



LOCATION MAP

APPROXIMATE SCALE: 0 — 1/2 MILE

PLAINFIELD NAPERVILLE ROAD LENGTH 3979' = .754 MILE
119TH STREET /RODEO DRIVE LENGTH 3703' = .701 MILE

AVERAGE DAILY TRAFFIC (ADT) DATA:
PLAINFIELD NAPERVIEW RD: EXISTING 7800 (2003) DESIGN 12500
119TH ST: EXISTING 4500 (2003) DESIGN 7200

DESIGN SPEED: 45 M.P.H.
POSTED SPEED: 45 M.P.H.

100' 200' 300' — 1" = 100'
0 10' 20' 30' — 1" = 10'
0 50' 100' — 1" = 50'
0 50' 100' — 1" = 40'
0 50' 100' — 1" = 30'
0 50' 100' — 1" = 20'

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.

WARNING
CALL JULIE TOLL FREE
CALL 811 BEFORE YOU DIG

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

Approved JANUARY 4TH 2012
Will County, Engineer

Passed January 9, 2012
District 1 Engineer of Local Roads & Streets

Releasing for Bid Based on Limited Review JANUARY 9, 2012
Deputy Directory of Highways, Region 1 Engineer

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

DATE: DECEMBER 2011
CHRISTOPHER J. McCLURE 062-052119 REGISTERED PROFESSIONAL ENGINEER STATE OF ILLINOIS
EXPIRES: 11-30-13

HAMPTON, LENZINI AND RENWICK, INC.
CIVIL ENGINEERS - STRUCTURAL ENGINEERS - LAND SURVEYORS
380 SHEPARD DRIVE
ELGIN, ILLINOIS 60123
847.697.6700 www.hlrengineering.com
184.000959
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION

PROJECT NUMBER: 07.0116.330 DATE: 09/30/2010

GENERAL NOTES

SPECIFICATIONS, STANDARDS, AND SPECIAL PROVISIONS

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," ADOPTED JANUARY 1, 2012 (HEREINAFTER REFERRED TO AS THE STANDARD SPECIFICATIONS); THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS," ADOPTED JANUARY 1, 2012; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS"; THE "STANDARD SPECIFICATIONS FOR WATER & SEWER MAIN CONSTRUCTION IN ILLINOIS", SIXTH EDITION; THE DETAILS IN THE PLANS; AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.

ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST STANDARD OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH ARTICLE 107.14 OF THE STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL AT ALL TIMES PROVIDE PROTECTION FOR TRAFFIC AS CALLED FOR IN THE APPLICATION OF TRAFFIC CONTROL DEVICES, THE STANDARD SPECIFICATIONS, THE SPECIAL PROVISIONS, AND THE PLANS.

UTILITIES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN SPECIAL PROPVISION LR 105 IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY.

THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE, AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR. PRIOR TO THE INSTALLATION OF ANY IMPROVEMENTS, THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER. THIS WORK SHALL BE ARRANGED BY THE UTILITY COMPANY AND SHALL BE AT THE CONTRACTOR'S EXPENSE.

STAKING

THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS, PROPERTY CORNERS, AND REFERENCE MARKERS UNTIL THE OWNER, HIS AGENT, OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.

ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE BACK OF CURB, UNLESS OTHERWISE NOTED. CURB AND GUTTER ELEVATIONS SHOWN AT POINTS OF CURVE, ETC., ARE TOP OF CURB, UNLESS OTHERWISE NOTED.

STRUCTURE OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS ARE TO THE FOLLOWING POINTS: A) FOR STRUCTURES FALLING IN THE CURB LINE--TO THE BACK OF CURB; B) FOR ALL OTHER STRUCTURES--TO THE CENTER OF THE STRUCTURE.

ALL ELEVATIONS ARE ON NAVD 88 DATUM.

ALL OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS FOR STRUCTURES, BACKS OF CURB, ETC. ARE FROM THE CENTERLINE AS SHOWN ON THE PLANS.

SEWERS AND WATER MAINS

ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.

WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN IN AN OPERATING CONDITION TEMPORARY OUTLETS AND CONNECTIONS FOR ALL DRAINS, SEWERS, AND CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES WHICH HAVE THE CAPACITY TO RECEIVE AND DISCHARGE THE STORM WATER FLOW RATES NORMALLY ACCEPTED AND RELEASED BY EXISTING DRAINAGE FACILITIES. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT, UNLESS OTHERWISE NOTED IN THE PLANS.

THE COST OF INTERCONNECTIONS BETWEEN THE PROPOSED AND EXISTING SEWER SYSTEMS SHALL BE INCLUDED IN THE VARIOUS UNIT PRICES OF THE ITEMS BEING CONNECTED.

ALL FRAMES, GRATES, LIDS, AND BOXES SCHEDULED TO BE REMOVED FROM EXISTING STRUCTURES SHALL REMAIN THE PROPERTY OF THE COUNTY. ANY ITEMS DAMAGED DURING REMOVAL SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE. THE COST OF SALVAGING EXISTING FRAMES, GRATES, LIDS, OR BOXES AND/OR STOCKPILING THEM ON THE JOB SITE FOR PICK-UP BY THE COUNTY OR DELIVERY TO THE COUNTY MAINTENANCE YARD SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.

ALL FRAMES WITH CLOSED LIDS TO BE FURNISHED AS PART OF THIS CONTRACT SHALL HAVE CAST INTO THE LID ONE OF THE FOLLOWING WORDS: FOR STORM SEWER STRUCTURES--"STORM". FOR SANITARY SEWER STRUCTURES--"SANITARY". FOR WATER SYSTEM STRUCTURES--"WATER". ANY ADDITIONAL COST FOR THIS REQUIREMENT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE FRAME AND CLOSED LID PROVIDED.

FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION AND CROSS SLOPE OF THE AREA IN WHICH THEY ARE LOCATED.

WATER MAIN SHALL HAVE A MINIMUM COVER OF FIVE AND ONE HALF FEET (5½').

BACKFILL

STORM SEWER, WATER MAIN, AND SANITARY SEWER SHALL BE BACKFILLED IN ACCORDANCE WITH ARTICLE 550.07, METHOD 1 ONLY, OR AS DIRECTED BY THE ENGINEER.

ALL TRENCH BACKFILL QUANTITIES FOR STORM AND SANITARY SEWER AND WATER MAIN HAVE BEEN COMPUTED AND SHALL BE PAID FOR IN ACCORDANCE WITH THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, BUREAU OF CONSTRUCTION TRENCH BACKFILL TABLE.

TRENCH BACKFILL SHALL BE GRADATION CA-6 CRUSHED STONE OR GRAVEL.

SIGNS

PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR, ENGINEER, AND COUNTY MAINTENANCE PERSONNEL SHALL INVENTORY THE LOCATION, SIZE, TYPE AND CONDITION OF ALL EXISTING SIGNS. ANY SIGN DAMAGED DURING CONSTRUCTION OR STORAGE SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.

THE CONTRACTOR WILL BE REQUIRED TO RELOCATE OR REMOVE AND REPLACE SIGNS WHICH INTERFERE WITH HIS CONSTRUCTION OPERATIONS AND TO TEMPORARILY RESET ALL SUCH SIGNS DURING CONSTRUCTION OPERATIONS. THIS WORK WILL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.

ALL WORK INVOLVING SIGNS SHALL BE GOVERNED BY THE FOLLOWING REQUIREMENTS:

1. SIGNS SHALL NOT BE MOVED UNTIL PROGRESS OF WORK NECESSITATES IT.
2. EVERY SIGN REMOVED MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER AND BE VISIBLE TO TRAFFIC FOR WHICH IT IS INTENDED. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND CLEAN FOR THE DURATION OF THE TEMPORARY SETTING.
3. ALL SIGNS SHALL BE RE-ERECTED IN PERMANENT LOCATIONS AS THE ROADWAY IS COMPLETED. HORIZONTAL LOCATION FROM THE EDGE OF PAVEMENT SHALL BE AS DESIGNATED BY THE ENGINEER.
4. LONGER POSTS MAY BE REQUIRED AT SOME TEMPORARY OR PERMANENT SIGN LOCATIONS TO MAINTAIN PROPER SIGN ELEVATIONS.

MISCELLANEOUS

THE CONTRACTOR SHALL MAINTAIN EXISTING SIDE STREET ACCESS , EXISTING DRIVEWAY ACCESS, AND PEDESTRIAN ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT.

SAWING OF REMOVAL ITEMS AS NOTED ON THE PLANS, SPECIFIED IN THE STANDARD SPECIFICATIONS, OR AS REQUIRED BY THE ENGINEER SHALL BE INCLUDED IN THE COST OF THE ITEM BEING REMOVED.

THE THICKNESSES OF ASPHALT MIXTURES SHOWN IN THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO AT ALL BUTT JOINT LOCATIONS, THE EXISTING SURFACE SHALL BE CUT TO A MINIMUM THICKNESS OF ONE AND ONE HALF (1-1/2) INCHES. IRREGULARITIES IN THE SURFACES OR BASES ON WHICH THE ASPHALT MIXTURES ARE TO BE PLACED.

PROTECTIVE COAT SHALL BE APPLIED TO ALL GUTTER FLAGS, FACE AND TOP OF CURB, OR CURB AND GUTTER, P.C.C. SIDEWALK AND AS DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING FRESH CONCRETE FROM DAMAGE AND VANDALISM. ANY DAMAGED OR VANDALIZED CONCRETE SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE.

ANY SHEETING AND/OR SHORING USED ON THIS IMPROVEMENT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.

EXISTING PAVEMENT THICKNESSES SHOWN ON THE PLANS ARE APPROXIMATE, BASED ON AVAILABLE INFORMATION AT THE TIME OF DESIGN. ANY ADDITIONAL COSTS REQUIRED BY THE CONTRACTOR DUE TO THICKNESSES OTHER THAN THOSE SHOWN ON THE PLANS WILL BE INCLUDED IN THE COST OF CONTRACT.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS CONTRACT.

WHERE NEW WORK MEETS EXISTING FEATURES TO REMAIN, FIELD CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH CONSTRUCTION. NOTIFY ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH ALL STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION. THE CONTRACTOR IS PROHIBITED FROM BURNING ANY MATERIAL WITHIN OR ADJACENT TO THE IMPROVEMENT.

ALL TYPE I AND II BARRICADES SHALL BE WEIGHTED DOWN WITH TWO SANDBAGS EACH. (ONE WEIGHTED SANDBAG ACROSS EACH BOTTOM RAIL). ALL TYPE III BARRICADES SHALL REQUIRE FOUR SANDBAGS EACH.

CURB RAMPS AND DETECTABLE WARNINGS SHALL BE INSTALLED AT ALL INTERSECTING STREETS AND DRIVEWAYS PER CURRENT IDOT STANDARDS AT LOCATIONS WHERE SIDEWALK IS SHOWN ON PLAN.

THE CONTRACTOR SHALL PREPARE THE SUBGRADE IN ACCORDANCE WITH ARTICLE 301.03 OF THE STANDARD SPECIFICATIONS PRIOR TO THE REMOVAL OF ANY UNSTABLE MATERIALS.

ALL DISTURBED AREAS WITHIN THE PROJECT THAT ARE NOT OTHERWISE SURFACED SHALL BE RESTORED WITH 4" MINIMUM TOPSOIL AND SEEDED OR SODDED AS SHOWN ON THE PLANS. SEED OR SOD LIMITS SHOWN ON THE PLANS ARE THE MAXIMUM PAY WIDTHS FOR PAYMENT PURPOSES.

THE CONTRACTOR SHALL DISPOSE OF ALL SIDEWALK, CURB AND GUTTER, PAVEMENT, AND ALL OTHER EXCAVATED MATERIAL NOT FOR SALVAGE AT HIS EXPENSE. ALL EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM THE SITE EACH DAY. NO PAYMENT WILL BE MADE FOR HAULING OR TRUCKING TO DISPOSAL LOCATIONS.

POROUS GRANULAR EMBANKMENT SUBGRADE (PGES) HAS BEEN PROVIDED FOR SOILS WHICH TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER (BY USE OF A CONE PENETROMETER IN CONJUNCTION WITH THE IDOT SUBGRADE STABILITY MANUAL). IF UNSTABLE SOILS ARE ENCOUNTERED THE SOILS SHALL BE REMOVED AND REPLACED WITH PGES. IF UNSTABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY WILL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

FOR WORK OUTSIDE THE LIMITS OF BRIDGE APPROACH PAVEMENT, ALL THE REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS AND TIES BARS IN THE PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB AND GUTTER AND MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED, UNLESS OTHERWISE NOTED ON THE PLANS.

TRAFFIC SIGNALS

THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE CONSTRUCTION OF ANY COMPONENT OF THE TRAFFIC SIGNAL SYSTEM. THE CONTRACTOR SHALL CALL THE J.U.L.I.E. TOLL FREE NUMBER 1-800-892-0123 FOR THE LOCATION OF ALL UTILITIES.

THE LOCATIONS OF ALL TRAFFIC SIGNAL SYSTEM COMPONENTS ARE PROVIDED AS A REFERENCE. THE CONTRACTOR MAY BE REQUIRED TO ADJUST THE FINAL LOCATION OF THE TRAFFIC SIGNAL COMPONENT TO AVOID UTILITIES. PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL REQUEST THE ENGINEER TO VERIFY THE LOCATION OF ALL COMPONENTS.

ALL ELECTRICAL CONDUIT SHALL BE CONSTRUCTED WITH A MINIMUM 30" IN DEPTH.

ALL PROPOSED HANDHOLES SHALL BE CAST IN PLACE CONCRETE. HANDHOLES SHALL BE CONSTRUCTED SO THAT THE TOP OF THE FRAME WILL BE FLUSH WITH THE SURFACE OF THE ADJACENT SIDEWALK AND/OR GROUND LINE.

THE DOUBLE HANDHOLE SHALL NOT BE USED IN LIEU OF THE CONTROLLER FOUNDATION PAD.

THE TRAFFIC SIGNAL CONTROLLER CABINET SHALL BE ORIENTATED ALLOWING THE DOOR TO OPEN AWAY FROM TRAFFIC.

ALL TRAFFIC SIGNAL SECTIONS SHALL BE BLACK POLYCARBONATE 12" LED MEETING THE LATEST ITE STANDARD.

ALL PEDESTRIAN SIGNAL SECTIONS SHALL BE 12" LED AND EQUIPPED WITH COUNTDOWN TIMERS MEETING THE LATEST ITE STANDARD. VISOR STYLE HOODS SHALL BE PROVIDED, "EGG CRATE" STYLE VISORS WILL NOT BE ALLOWED.

THE RED SECTIONS OF THE TRAFFIC SIGNAL HEADS SHARING THE SAME MAST ARM SHALL BE LEVEL WITH ONE ANOTHER. THE TRAFFIC SIGNAL HEADS SHALL BE MOUNTED TO PROVIDE A MINIMUM CLEARANCE OF 18 FEET FROM THE HIGHEST PAVEMENT ELEVATION.

MAST ARM FOUNDATIONS SHALL HAVE SEPARATE RACEWAYS FOR ROADWAY LIGHTING.

ALL TRAFFIC SIGNAL POSTS AND BASES SHALL BE GALVANIZED STEEL.

AN ELECTRIC UTILITY METER SHALL BE INSTALLED ON THE BACK SIDE OF THE ELECTRICAL SERVICE CABINET. THE CONTRACTOR SHALL SUPPLY THE BASE FOR THE METER.

30" FOLDING STOP SIGNS SHALL BE INSTALLED ON EACH LEG OF THE SIGNALIZED INTERSECTION BEFORE THE SCHEDULED TRAFFIC SIGNAL TURN ON. THE RESIDENT ENGINEER SHALL DETERMINE THE EXACT LOCATION.

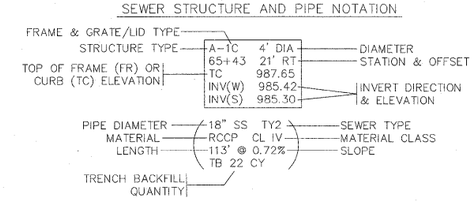
WCDH GENERAL NOTES

1. ALL COUNTY ROW MONUMENTATION (BOUNDARY CORNERS) SHALL BE ACCORDING TO ARTICLE 1.7.13 OF THE PERMIT REGULATIONS UTILIZING THE "WCDH MONUMENTATION STANDARD".
2. PORTABLE/CHANGEABLE ELECTRONIC MESSAGE BOARDS SHALL BE USED IN ADVANCE OF THE PROJECT ACCORDING TO IDOT STANDARDS AND SHALL BE IN PLACE A MINIMUM OF 14 DAYS BEFORE ROAD CLOSURES, 7 DAYS PRIOR TO COMMENCING THE WORK, AND REMAIN THROUGHOUT THE ROADWAY CONSTRUCTION WORK.
3. ALL RELOCATED AND NEW SIGNS SHALL USE TELSPAR STEEL POSTS WITH 36" SLEEVES AND 3" X 10" REFELCTIVE STRIP MATCHING THE PRIMARY FACE.
4. FLOWABLE FILL (CLSM) SHALL BE USED FOR ROAD CROSSINGS.

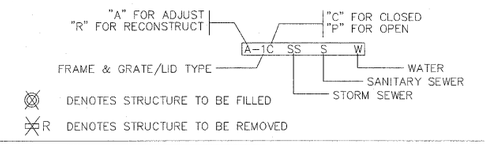
SUPPLEMENTAL LEGEND

- EXISTING EVERGREEN TREE
- EXISTING DECIDUOUS TREE OR BUSH
- 12 — STREET ADDRESS
- EXISTING DRAINAGE MANHOLE
- PROPOSED DRAINAGE MANHOLE
- PROPOSED SANITARY SEWER
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- W — PROPOSED WATER MAIN
- E — ELECTRICAL CABLE (E) OR DUCT (ED)
- T — TELEPHONE CABLE (T) OT DUCT (TD)
- TV — TELEVISION CABLE
- SL — EXISTING STREET LIGHTING CABLE
- PROPOSED STREET LIGHTING CABLE
- EXISTING END SECTION
- PROPOSED END SECTION
- EXISTING LIGHT STANDARD
- EXISTING HANDHOLE
- RR — RAILROAD CROSSBUCK
- RAILROAD CROSSING GATE (EXISTING)
- RAILROAD FLASHING SIGNAL (EXISTING)
- MAIL BOX
- RR — RAILROAD CONTROLLER
- RAILROAD TRACKS
- EXISTING CONCRETE PAVEMENT, CURB, CURB & GUTTER, DRIVEWAY PAVEMENT AND SIDEWALK TO BE REMOVED
- CONCRETE DRIVEWAY AND SIDEWALK TO BE REMOVED AND REPLACED
- PAVEMENT TO BE REMOVED AND REPLACED
- BITUMINOUS SURFACE REMOVAL

SEWER STRUCTURE AND PIPE NOTATION



STRUCTURE ADJUSTMENT/RECONSTRUCTION/REMOVAL NOTATION



DEPRESSED CURB AND GUTTER

WCDH GENERAL NOTES (CONT.)

5.THE RESIDENT ENGINEER SHALL PROVIDE WCDH A LIST OF MATERIALS USED AND IDENTIFY THEIR ASSOCIATED IDOT CERTIFICATION, SHALL PROVIDE WCDH WITH A COPY OF ALL MATERIAL TESTING COMPANY RESULTS, SHALL SIGN AND PROVIDE WCDH ON A WEEKLY BASIS WEEKLY FIELD REPORTS UTILIZING THE APPROPRIATE IDOT FORM, SHALL SUBMIT TO WCDH A CERTIFICATION LETTER THAT CERTIFIES COMPLIANCE WITH THE PLANS AND SPECIFICATIONS.

6.WHERE FIELD TILE IS ENCOUNTERED, STORM SEWER OR PIPE DRAIN WILL BE USED IN ACCORDANCE WITH SECTION 611. THE MINIMUM SIZE FOR REPLACEMENT WILL BE 6" FOR PIPE DRAINS AND 8" FOR STORM SEWER, BUT THE SIZE MUST BE AT LEAST 2" LARGER THAN THE ADJOINING TILE. A FIELD TILE JUNCTION VAULT WILL BE CONSTRUCTED AT THE ROW TO CONNECT THE TILE AND STORM SEWER. SEE THE SUMMARY OF QUANTITIES FOR THE ESTIMATED QUANTITIES. THE CONTRACTOR SHALL KEEP A RECORD OF THE LOCATION OF ALL FIELD TILES OR ON SITE DRAIN PIPE ENCOUNTERED DURING CONSTRUCTION AND TURN IT OVER TO THE COUNTY ENGINEER UPON COMPLETION OF THE PROJECT. THIS RECORD KEEPING SHALL BE INCLUDED IN THE PAY ITEM FOR EARTH EXCAVATION.

7. THE HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE HMA SURFACE.

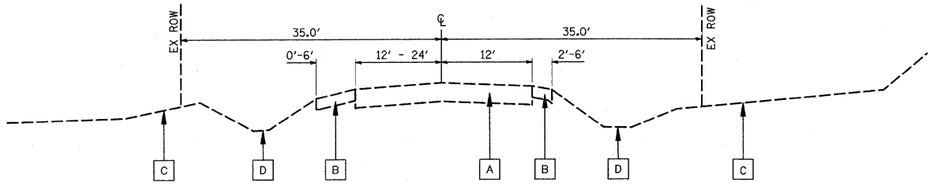
8. FLEXIBLE PIPE CULVERTS FOR UNDER DRIVEWAY SHALL BE CORRUGATED STEEL PIPE (CMP) UNLESS OTHERWISE DIRECTED BY THE COUNTY. THESE PIPE CULVERTS SHALL BE PAID FOR AS PIPE CULVERTS, CLASS D, TYPE 1 OF THE DIAMETER SPECIFIED ON THE PLANS

PI NO	DESCRIPTION	UNIT	QTY	SPECIAL PROVISION	SPECIALTY ITEM	CONSTRUCTION CODE
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	186			0003
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	134			0003
20200100	EARTH EXCAVATION	CU YD	39540			0003
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	7622			0003
20400800	FURNISHED EXCAVATION	CU YD	3029			0003
20800150	TRENCH BACKFILL	CU YD	473			0003
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	12978			0003
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	29855		X	0003
21301084	EXPLORATION TRENCH 84" DEPTH	FOOT	100			0003
25000100	SEEDING, CLASS 1	ACRE	6		X	0003
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	522		X	0003
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	522		X	0003
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	522		X	0003
25100630	EROSION CONTROL BLANKET	SQ YD	28064		X	0003
25200110	SODDING, SALT TOLERANT	SQ YD	9150		X	0003
25200200	SUPPLEMENTAL WATERING	UNIT	192		X	0003
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	885		X	0003
28000305	TEMPORARY DITCH CHECKS	FOOT	228			0003
28000400	PERIMETER EROSION BARRIER	FOOT	15076			0003
28000500	INLET AND PIPE PROTECTION	EACH	37			0003
28000510	INLET FILTERS	EACH	50			0003
28100105	STONE RIPRAP, CLASS A3	SQ YD	29			0003
28100107	STONE RIPRAP, CLASS A4	SQ YD	54			0003
28200200	FILTER FABRIC	SQ YD	64			0003
35101400	AGGREGATE BASE COURSE, TYPE B	TON	1340			0003
35501320	HOT-MIX ASPHALT BASE COURSE, 9"	SQ YD	40722			0003
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	141			0003
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	823			0003
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	12215			0003
40600300	AGGREGATE (PRIME COAT)	TON	489			0003
40600895	CONSTRUCTING TEST STRIP	EACH	4			0003
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	5526			0003
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	4379			0003
42001300	PROTECTIVE COAT	SQ YD	5612			0003
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1940			0003
42400800	DETECTABLE WARNINGS	SQ FT	64			0003
44000100	PAVEMENT REMOVAL	SQ YD	35078			0003
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	2087			0003
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	248			0003
44000600	SIDEWALK REMOVAL	SQ FT	265			0003
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	453			0003
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	80			0003

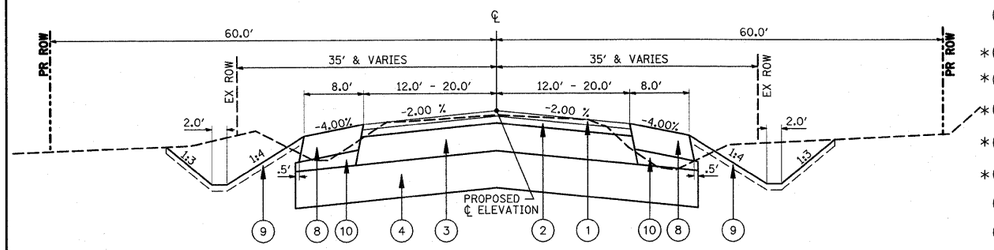
PI NO	DESCRIPTION	UNIT	QTY	SPECIAL PROVISION	SPECIALTY ITEM	CONSTRUCTION CODE
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	4297			0003
50105220	PIPE CULVERT REMOVAL	FOOT	737			0003
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	2			0003
54213687	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	EACH	1			0003
54213693	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48"	EACH	1			0003
54213870	STEEL END SECTIONS 15"	EACH	8			0003
54214503	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 18"	EACH	4			0003
54247090	GRATING FOR CONCRETE FLARED END SECTION 12"	EACH	1			0003
54247180	GRATING FOR CONCRETE FLARED END SECTION 42"	EACH	1			0003
54247190	GRATING FOR CONCRETE FLARED END SECTION 48"	EACH	1			0003
54248110	GRATING FOR CONCRETE FLARED END SECTION EQUIVALENT ROUND-SIZE 18"	EACH	4			0003
542A5473	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 18"	FOOT	212			0003
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	124			0003
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	1824			0003
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	194			0003
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	348			0003
550A0190	STORM SEWERS, CLASS A, TYPE 1 48"	FOOT	1008			0003
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	1881			0003
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	338			0003
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	398			0003
550A0470	STORM SEWERS, CLASS A, TYPE 2 42"	FOOT	98			0003
550A0480	STORM SEWERS, CLASS A, TYPE 2 48"	FOOT	150			0003
55101400	STORM SEWER REMOVAL 30"	FOOT	610			0003
60107600	PIPE UNDERDRAINS 4"	FOOT	90	*		0003
60200305	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	1			0003
60200310	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 3V FRAME AND GRATE	EACH	5			0003
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	5			0003
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	13			0003
60204005	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	2			0003
60205040	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	2			0003
60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	4			0003
60218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	3			0003
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	7			0003
60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1			0003
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1			0003
60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4			0003
60224448	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 8 GRATE	EACH	2			0003
60224458	MANHOLES, TYPE A, 8'-DIAMETER, TYPE 8 GRATE	EACH	1			0003
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	15			0003
60255500	MANHOLES TO BE ADJUSTED	EACH	4			0003
60402210	GRATES, TYPE 8	EACH	2			0003
60404950	FRAMES AND GRATES, TYPE 24	EACH	2			0003

PI NO	DESCRIPTION	UNIT	QTY	SPECIAL PROVISION	SPECIALTY ITEM	CONSTRUCTION CODE
60500040	REMOVING MANHOLES	EACH	2			0003
60500050	REMOVING CATCH BASINS	EACH	3			0003
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	350			0003
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	3835			0003
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	8962			0003
60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	11536			0003
60620000	CONCRETE MEDIAN, TYPE SB-6.24	SQ FT	512			0003
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	24			0003
67100100	MOBILIZATION	L SUM	1			0003
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	30			0003
70300100	SHORT TERM PAVEMENT MARKING	FOOT	5907			0003
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	645			0003
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	79753			0003
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	58			0003
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	299			0003
70400100	TEMPORARY CONCRETE BARRIER	FOOT	275			0003
72000100	SIGN PANEL - TYPE 1	SQ FT	348		X	0003
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	8		X	0003
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	5		X	0003
72900100	METAL POST - TYPE A	FOOT	406		X	0003
72900200	METAL POST - TYPE B	FOOT	149		X	0003
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	322		X	0003
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	34685		X	0003
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2086		X	0003
78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	191		X	0003
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	784		X	0003
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	208		X	0003
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	132	*	X	0003
78200100	MONODIRECTIONAL PRISMATIC BARRIER REFLECTOR	EACH	44		X	0003
78300100	PAVEMENT MARKING REMOVAL	SQ FT	13576		X	0003
80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	1		X	0021
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1287		X	0021
81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	51		X	0021
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	113		X	0021
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	578		X	0021
81400100	HANDHOLE	EACH	6		X	0021
81400200	HEAVY-DUTY HANDHOLE	EACH	4		X	0021
81400300	DOUBLE HANDHOLE	EACH	2		X	0021
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1029		X	0021
82103250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 250 WATT	EACH	2		X	0021
86200200	UNINTERRUPTABLE POWER SUPPLY, STANDARD	EACH	1		X	0021
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	899		X	0021

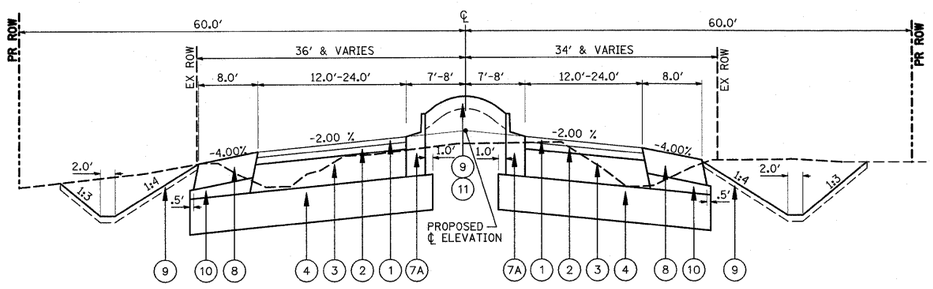
PI NO	DESCRIPTION	UNIT	QTY	SPECIAL PROVISION	SPECIALTY ITEM	CONSTRUCTION CODE
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	381		X	0021
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2665		X	0021
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1777		X	0021
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2333		X	0021
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	53		X	0021
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	853		X	0021
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4		X	0021
87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1		X	0021
87700290	STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1		X	0021
87704220	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT. (SPECIAL)	EACH	1	*	X	0021
87704230	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 62 FT. (SPECIAL)	EACH	1	*	X	0021
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20		X	0021
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		X	0021
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	26	*	X	0021
87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	42	*	X	0021
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8		X	0021
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4		X	0021
88030240	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	4		X	0021
88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	12		X	0021
88500100	INDUCTIVE LOOP DETECTOR	EACH	8		X	0021
88600100	DETECTOR LOOP, TYPE I	FOOT	648		X	0021
88700200	LIGHT DETECTOR	EACH	2		X	0021
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1		X	0021
A2004412	TREE, GINKGO BILOBA (GINKGO), 1-1/2" CALIPER, BALLED AND BURLAPPED	EACH	44		X	0003
A2004814	TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	42		X	0003
B2005714	TREE, PYRUS CALLERYANA CHANTICLEER CHANTICLEER CALLERY PEAR), 1-3/4" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	40		X	0003
X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	381	*	X	0021
X2080250	TRENCH BACKFILL, SPECIAL	CU YD	395	*		0003
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	1951	*		0003
X6020074	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	EACH	9	*		0003
X6060340	GUTTER OUTLET (SPECIAL)	EACH	2	*		0003
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	*		0003
X7010237	CHANGEABLE MESSAGE SIGN, SPECIAL	CAL DA	1188	*		0003
X7040305	TEMPORARY CONCRETE BARRIER, TERMINAL SECTION (SPECIAL)	EACH	1	*		0003
X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET SPECIAL	EACH	1	*	X	0021
XX005937	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4	*	X	0021
Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	52919	*		0003
Z0013798	CONSTRUCTION LAYOUT	L SUM	1			0003
Z0019600	DUST CONTROL WATERING	UNIT	156	*		0003
Z0022800	FENCE REMOVAL	FOOT	4125	*		0003
Z0042002	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	7622	*		0003
Z0062456	TEMPORARY PAVEMENT	SQ YD	10117	*		0003
Z0076600	TRAINEES	HOUR	1500	*		0042



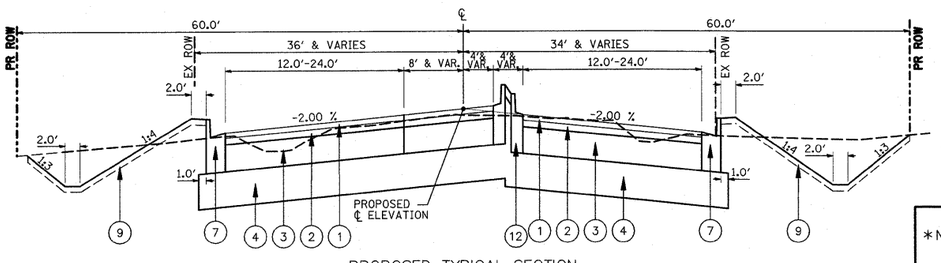
EXISTING TYPICAL SECTION
PLAINFIELD NAPERVILLE ROAD



PROPOSED TYPICAL SECTION
PLAINFIELD NAPERVILLE ROAD
STA. 205+35 TO STA. 208+87



PROPOSED TYPICAL SECTION
PLAINFIELD NAPERVILLE ROAD
STA. 208+87 TO STA. 213+89.53 RT /
214+07.57 LT



PROPOSED TYPICAL SECTION
PLAINFIELD NAPERVILLE ROAD
STA. 216+30.00 TO STA. 219+50.00
STA. 223+52.00 TO STA. 225+82.00,

0 10' 20'
GRAPHIC SCALE

EXISTING LEGEND

- A — ASPHALT PAVEMENT (VARIES 9" TO 15")
- B — AGGREGATE SHOULDER
- C — EXISTING GROUND
- D — DITCH OR SWALE

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX D, N70, 1-3/4"
- (2) HOT-MIX ASPHALT BINDER COURSE, IL-19, N70, 2 1/4"
- (3) HOT-MIX ASPHALT BASE COURSE, 9"
- (4) AGGREGATE SUBGRADE, 12"
- * (5) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- * (5A) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12, REVERSE PITCH
- * (6) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- * (7) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- * (7A) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24, REVERSE PITCH
- (8) HOT-MIX ASPHALT SHOULDERS, 8"
- (9) FURNISHING AND PLACING TOPSOIL, 4" AND SEEDING CLASS 2A/SODDING, SALT TOLERANT (SEE LANDSCAPE PLAN FOR SEEDING / SODDING LIMITS)
- (10) AGGREGATE BASE COURSE, TYPE B, 4"
- (11) FURNISHING AND PLACING SOD (SEE LANDSCAPE PLAN FOR SEEDING / SODDING LIMITS)
- * (12) CONCRETE MEDIAN TYPE SB-6.12

PAY CODE NO	PAY ITEM DESCRIPTION	UNIT	MIX TYPE	PERCENT AIR VOIDS @ NDES	LIFT THICKNESS	UNIT WEIGHT Lbs/Sq Yd/in
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	IL-19 mm	4% @ 70 Gyr.	2-1/4" Min.	112
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	IL 9.5 mm	4% @ 70 Gyr.	1-1/2"	112
35501320	HOT-MIX ASPHALT BASE COURSE, 9"	SQ YD	HMA BINDER COURSE IL-19 mm (IN 3 LIFTS)	4% @ 70 Gyr.	2-1/4" Min.	112
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	HMA BINDER COURSE IL-19 mm (IN 4 LIFTS)	4% @ 70 Gyr.	2-1/4" Min.	112
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	HMA BINDER COURSE IL-19 mm (IN 4 LIFTS)	4% @ 70 Gyr.	2-1/4" Min.	112
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	HMA BINDER COURSE IL-19 mm (IN 3 LIFTS)	4% @ 70 Gyr.	2-1/4" Min.	112
Z0062456	TEMPORARY PAVEMENT:					
	TEMPORARY PAVEMENT 8"	SQ YD	HMA BINDER COURSE IL-19 mm (IN 3 LIFTS)	4% @ 50 Gyr.	2-1/4" Min.	112
	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	IL 9.5 mm	4% @ 50 Gyr.	2" Min.	112

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

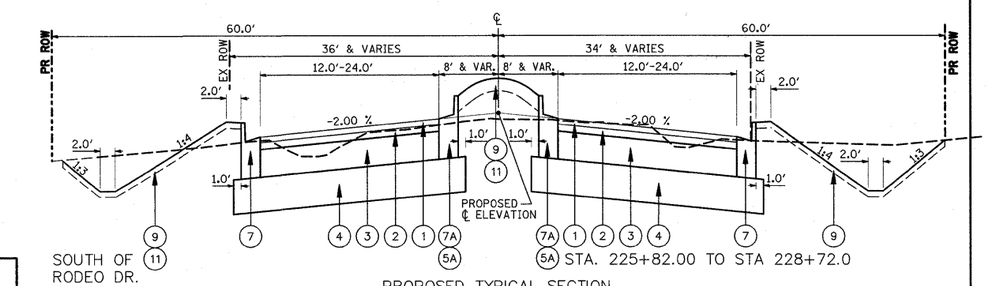
THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

PROPOSED ℄ ELEVATIONS HAVE BEEN ESTABLISHED WITHOUT CONSIDERATION OF RAISED MEDIAN IN ORDER TO PROVIDE A UNIFORM PROFILE.

AT LOCATIONS WITHOUT MEDIAN, PROFILE ELEVATION IS ACTUAL PROPOSED ℄ ELEVATION.

AT LOCATIONS WITH MEDIAN, PROFILE ELEVATION IS WHAT PROPOSED ℄ ELEVATION WOULD BE WITHOUT MEDIAN.

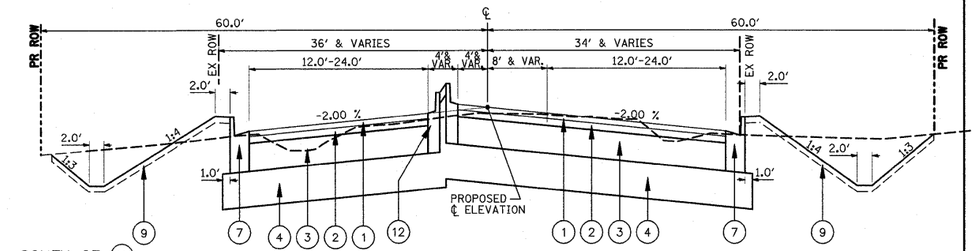
*NOTE:
ALL CONCRETE GUTTER DIMENSIONS "T" SHALL MATCH ADJACENT PAVEMENT THICKNESS



SOUTH OF RODEO DR.

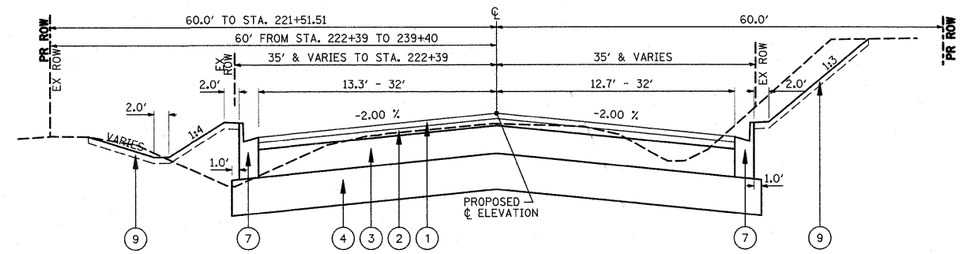
STA. 225+82.00 TO STA 228+72.0

PROPOSED TYPICAL SECTION
PLAINFIELD NAPERVILLE ROAD
STA. 213+89.53 RT / 214+07.57 LT
TO STA. 215+12.00,
STA. 225+78.79 TO STA. 228+75.81,
STA. 232+07.72 TO STA. 236+86.81,
STA. 240+16.63 TO STA. 241+64.58



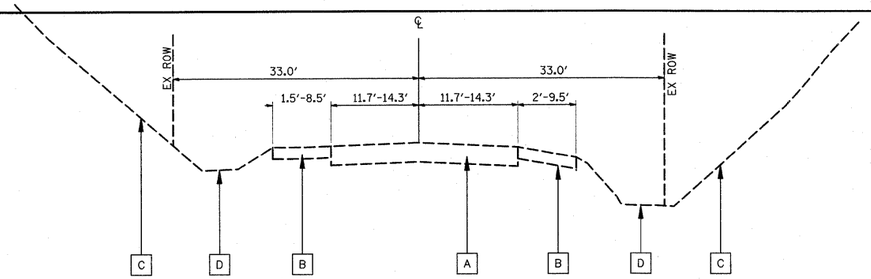
SOUTH OF RODEO DR.

PROPOSED TYPICAL SECTION
PLAINFIELD NAPERVILLE ROAD
STA. 219+50.00 TO STA. 222+16.00,
STA. 228+72.00 TO STA. 231+09.00
STA. 236+87.00 TO STA. 239+21.00

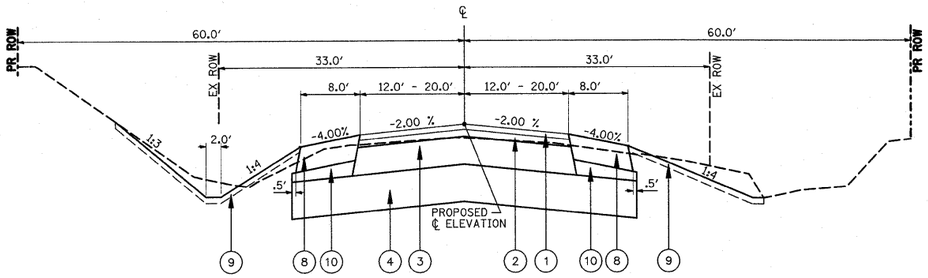


PROPOSED TYPICAL SECTION
PLAINFIELD NAPERVILLE ROAD
STA. 219+76.10 TO STA. 225+78.79,
STA. 228+75.81 TO STA. 232+07.72,
STA. 236+86.81 TO STA. 240+16.63
STA. 241+64.58 TO STA. 254+14

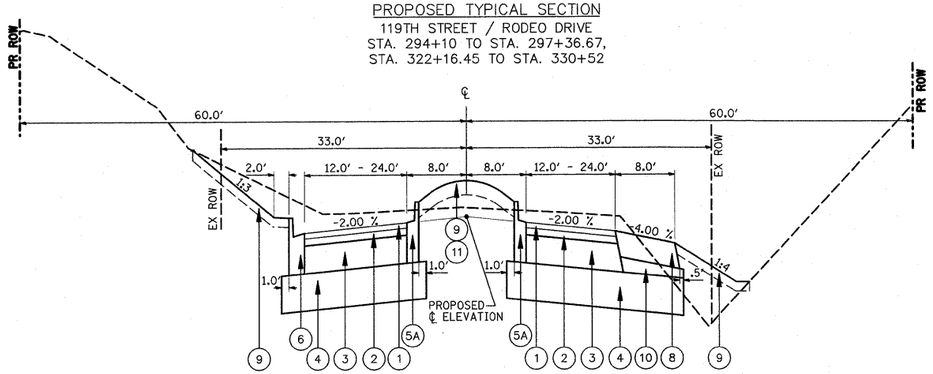
FILE NAME = P:\070116\cad\phase 2\dwg\070116-sht-typsections-Plain.dgn	USER NAME = $USER$	DESIGNED - CM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HLR	TYPICAL SECTIONS - PLAINFIELD NAPERVILLE ROAD PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - JM	REVISED -				324	04-00036-22-TL	WILL	152	4
	PLOT SCALE = $SCALE$	CHECKED - CM	REVISED -					CONTRACT NO. 63671			
	PLOT DATE = 1/5/2012	DATE - FEBRUARY 2009	REVISED -		SCALE: 1" = 20'	SHEET NO. 1 OF 1 SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT			



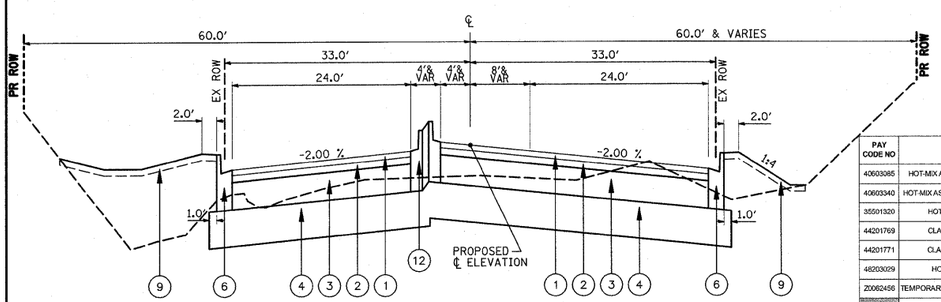
EXISTING TYPICAL SECTION
119TH STREET / RODEO DRIVE



PROPOSED TYPICAL SECTION
119TH STREET / RODEO DRIVE
STA. 294+10 TO STA. 297+36.67,
STA. 322+16.45 TO STA. 330+52



PROPOSED TYPICAL SECTION
119TH STREET / RODEO DRIVE
STA. 297+36.67 TO STA. 303+10



PROPOSED TYPICAL SECTION
119TH STREET / RODEO DRIVE
STA. 307+15.17 TO STA. 309+24

0 10' 20'
GRAPHIC SCALE

EXISTING LEGEND

- A — ASPHALT PAVEMENT (VARIES 9" TO 15")
- B — AGGREGATE SHOULDER
- C — EXISTING GROUND
- D — DITCH OR SWALE

PROPOSED LEGEND

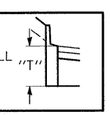
- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX D, N70, 1-3/4"
- (2) HOT-MIX ASPHALT BINDER COURSE, IL-19, N70, 2 1/4"
- (3) HOT-MIX ASPHALT BASE COURSE, 9"
- (4) AGGREGATE SUBGRADE, 12"
- * (5) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- * (5A) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12, REVERSE PITCH
- * (6) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- * (7) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (8) HOT-MIX ASPHALT SHOULDERS, 8"
- (9) FURNISHING AND PLACING TOPSOIL, 4" AND SEEDING CLASS 2A/SODDING, SALT TOLERANT (SEE LANDSCAPE PLAN FOR SEEDING / SODDING LIMITS)
- (10) AGGREGATE BASE COURSE, TYPE B, 4"
- (11) FURNISHNG AND PLACING SOD (SEE LANDSCAPE PLAN FOR SEEDING / SODDING LIMITS)
- * (12) CONCRETE MEDIAN TYPE SB-6.12

PROPOSED ℄ ELEVATIONS HAVE BEEN ESTABLISHED WITHOUT CONSIDERATION OF RAISED MEDIAN IN ORDER TO PROVIDE A UNIFORM PROFILE.

AT LOCATIONS WITHOUT MEDIAN, PROFILE ELEVATION IS ACTUAL PROPOSED ℄ ELEVATION.

AT LOCATIONS WITH MEDIAN, PROFILE ELEVATION IS WHAT PROPOSED ℄ ELEVATION WOULD BE WITHOUT MEDIAN.

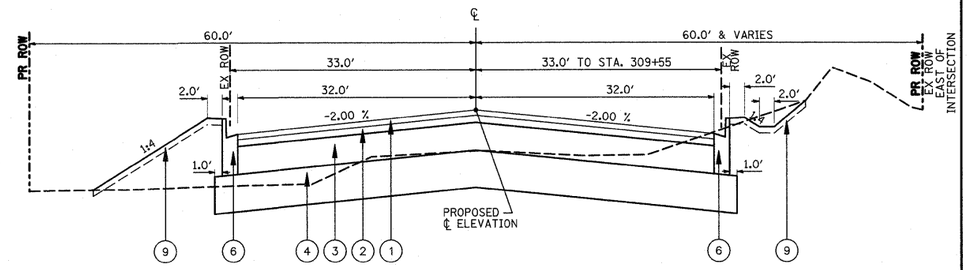
*NOTE:
ALL CONCRETE GUTTER DIMENSIONS "T" SHALL MATCH ADJACENT PAVEMENT THICKNESS



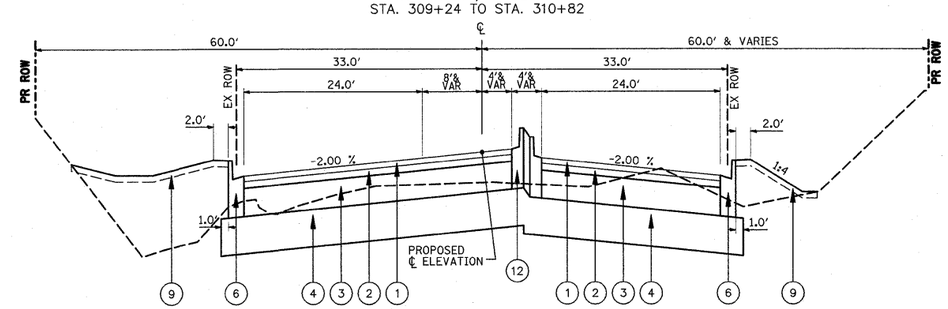
PAY CODE NO	PAY ITEM DESCRIPTION	UNIT	MIX TYPE	PERCENT AIR VOIDS @ NDES	LIFT THICKNESS	UNIT WEIGHT Lbs/Sq Yd/in
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	IL-19 mm	4% @ 70 Gyr.	2-1/4" Min.	112
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	IL 9.5 mm	4% @ 70 Gyr.	1-1/2"	112
35501320	HOT-MIX ASPHALT BASE COURSE, 9"	SQ YD	HMA BINDER COURSE IL-19 mm (IN 3 LIFTS)	4% @ 70 Gyr.	2-1/4" Min.	112
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	HMA BINDER COURSE IL-19 mm (IN 4 LIFTS)	4% @ 70 Gyr.	2-1/4" Min.	112
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	HMA BINDER COURSE IL-19 mm (IN 4 LIFTS)	4% @ 70 Gyr.	2-1/4" Min.	112
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	HMA BINDER COURSE IL-19 mm (IN 3 LIFTS)	4% @ 70 Gyr.	2-1/4" Min.	112
Z0062456	TEMPORARY PAVEMENT:					
	TEMPORARY PAVEMENT 8"	SQ YD	HMA BINDER COURSE IL-19 mm (IN 3 LIFTS)	4% @ 50 Gyr.	2-1/4" Min.	112
	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	IL 9.5 mm	4% @ 50 Gyr.	2" Min.	112

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

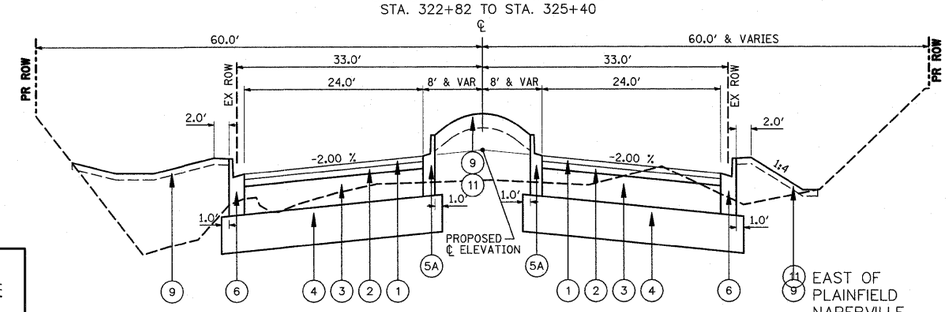
THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.



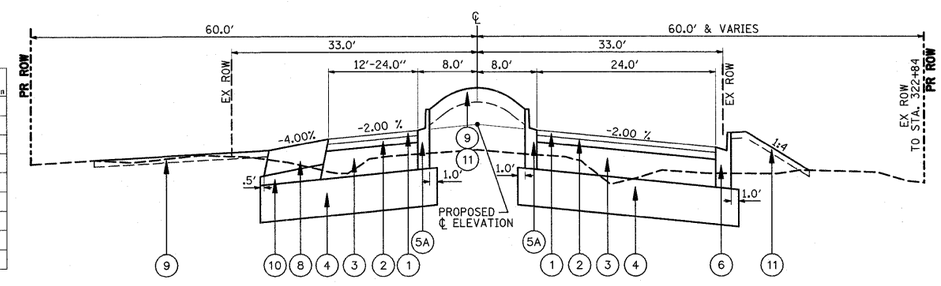
PROPOSED TYPICAL SECTION
119TH STREET / RODEO DRIVE
STA. 309+24 TO STA. 310+82



PROPOSED TYPICAL SECTION
119TH STREET / RODEO DRIVE
STA. 310+82 TO STA. 312+86.83
STA. 322+82 TO STA. 325+40



PROPOSED TYPICAL SECTION
119TH STREET / RODEO DRIVE
STA. 303+10 TO STA. 307+15.17
STA. 312+86.83 TO STA. 316+80



PROPOSED TYPICAL SECTION
119TH STREET / RODEO DRIVE
STA. 316+80 TO STA. 322+16.45

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		DRAWN - JM	REVISED -
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	PLOT DATE = 1/5/2012	DATE - FEBRUARY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

SCALE: 1" = 20'

TYPICAL SECTIONS - 119th STREET /RODEO DRIVE
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	5

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT

HOT-MIX ASPHALT, SURFACE COURSE, 1 3/4"

LOCATION	FROM	TO	REF.	DESCRIPTION	LENGTH (FEET)	AVG. WIDTH (FEET)	AREA (SQ. YD)	TOTAL (TON)
MAINLINE								
119th - WEST	294+10	297+70	LT	WB LANE	360	12	480.00	50
119th - WEST	297+70	303+10	LT	WB LANE	540	18	1080.00	113
119th - WEST	303+10	309+65	LT	WB LANE	655	24	1746.67	183
119th - WEST	294+10	300+40	RT	EB LANE	630	12	840.00	88
119th - WEST	300+40	303+10	RT	EB LANE	270	18	540.00	57
119th - WEST	303+10	309+65	RT	EB LANE	655	24	1746.67	183
119th - WEST	305+39	307+39	RT	EB LT TRN TAPER	200	8	177.78	19
119th - WEST	307+39	309+65	RT	EB LT TRN LN	226	12	301.33	32
119th - WEST	294+10	297+70	CL	MEDIAN	360	8	320.00	34
119th - WEST	309+21	309+65	CL	MEDIAN	44	5	24.44	3
119th - EAST	310+37	316+80	LT	WB LANE	643	24	1714.67	180
119th - EAST	316+80	319+50	LT	WB LANE	270	18	540.00	57
119th - EAST	319+50	330+52	LT	WB LANE	1102	12	1469.33	154
119th - EAST	310+37	312+70	LT	WB LT TRN LN	233	12	310.67	33
119th - EAST	312+70	314+70	LT	WB LT TRN TAPER	200	6	133.33	14
119th - EAST	322+00	324+92	LT	WB LT TRN LN	292	12	389.33	41
119th - EAST	322+00	324+92	CL	MEDIAN	292	4	129.78	14
119th - EAST	324+92	326+92	LT	WB LT TRN TAPER	200	6	133.33	14
119th - EAST	324+92	326+92	CL	MEDIAN	200	10	222.22	23
119th - EAST	310+37	316+80	RT	EB LANE	643	24	1714.67	180
119th - EAST	316+80	321+50	RT	EB LANE	425	18	850.00	89
119th - EAST	321+50	330+52	RT	EB LANE	947	12	1262.67	133
119th - EAST	316+80	321+50	RT	EB RT TRN TAPER	425	6	283.33	30
119th - EAST	321+50	323+20	RT	EB RT TRN LN	170	12	226.67	24
119th - EAST	310+37	310+84	CL	MEDIAN	47	5	26.11	3
119th - EAST	322+20	322+82	CL	MEDIAN	62	5	34.44	4
119th - EAST	324+92	326+92	CL	MEDIAN	200	10.5	233.33	25
119th - EAST	326+92	330+52	CL	MEDIAN	360	8	320.00	34
SIDE STREETS								
119th - WEST	295+50		RT	ENTRANCE			353.12	37
119th - WEST	296+50		LT	ENTRANCE			448.32	47
119th - WEST	322+60		RT	ENTRANCE			349.75	37
							SUBTOTAL	1932
PAY CODE: 40603340							TOTAL	1932

HOT-MIX ASPHALT, BINDER COURSE, 2 1/4"

LOCATION	FROM	TO	REF.	DESCRIPTION	LENGTH (FEET)	AVG. WIDTH (FEET)	AREA (SQ. YD)	TOTAL (TON)
MAINLINE								
119th - WEST	294+10	297+70	LT	WB LANE	360	12	480.00	65
119th - WEST	297+70	303+10	LT	WB LANE	540	18	1080.00	146
119th - WEST	303+10	309+65	LT	WB LANE	655	24	1746.67	236
119th - WEST	294+10	300+40	RT	EB LANE	630	12	840.00	113
119th - WEST	300+40	303+10	RT	EB LANE	270	18	540.00	73
119th - WEST	303+10	309+65	RT	EB LANE	655	24	1746.67	236
119th - WEST	305+39	307+39	RT	EB LT TRN TAPER	200	8	177.78	24
119th - WEST	307+39	309+65	RT	EB LT TRN LN	226	12	301.33	41
119th - WEST	294+10	297+70	CL	MEDIAN	360	8	320.00	43
119th - WEST	309+21	309+65	CL	MEDIAN	44	5	24.44	3
119th - EAST	310+37	316+80	LT	WB LANE	643	24	1714.67	231
119th - EAST	316+80	319+50	LT	WB LANE	270	18	540.00	73
119th - EAST	319+50	330+52	LT	WB LANE	1102	12	1469.33	198
119th - EAST	310+37	312+70	LT	WB LT TRN LN	233	12	310.67	42
119th - EAST	312+70	314+70	LT	WB LT TRN TAPER	200	6	133.33	18
119th - EAST	322+00	324+92	LT	WB LT TRN LN	292	12	389.33	53
119th - EAST	322+00	324+92	CL	MEDIAN	292	4	129.78	18
119th - EAST	324+92	326+92	LT	WB LT TRN TAPER	200	6	133.33	18
119th - EAST	324+92	326+92	CL	MEDIAN	200	10	222.22	30
119th - EAST	310+37	316+80	RT	EB LANE	643	24	1714.67	231
119th - EAST	316+80	321+50	RT	EB LANE	425	18	850.00	115
119th - EAST	321+50	330+52	RT	EB LANE	947	12	1262.67	170
119th - EAST	316+80	321+50	RT	EB RT TRN TAPER	425	6	283.33	38
119th - EAST	321+50	323+20	RT	EB RT TRN LN	170	12	226.67	31
119th - EAST	310+37	310+84	CL	MEDIAN	47	5	26.11	4
119th - EAST	322+20	322+82	CL	MEDIAN	62	5	34.44	5
119th - EAST	324+92	326+92	CL	MEDIAN	200	10.5	233.33	32
119th - EAST	326+92	330+52	CL	MEDIAN	360	8	320.00	43
SIDE STREETS								
119th - WEST	295+50		RT	ENTRANCE			353.12	48
119th - WEST	296+50		LT	ENTRANCE			448.30	61
119th - WEST	322+60		RT	ENTRANCE			349.75	47
							SUBTOTAL	2484
PAY CODE: 40603085							TOTAL	2484

HOT-MIX ASPHALT, BASE COURSE, 9"

LOCATION	FROM	TO	REF.	DESCRIPTION	LENGTH (FEET)	AVG. WIDTH (FEET)	AREA (SQ. FT)	TOTAL (SQ. YD)
MAINLINE								
119th - WEST	294+10	297+70	LT	WB LANE	360	12	4320.00	480
119th - WEST	297+70	303+10	LT	WB LANE	540	18	9720.00	1080
119th - WEST	303+10	309+65	LT	WB LANE	655	24	15720.00	1747
119th - WEST	294+10	300+40	RT	EB LANE	630	12	7560.00	840
119th - WEST	300+40	303+10	RT	EB LANE	270	18	4860.00	540
119th - WEST	303+10	309+65	RT	EB LANE	655	24	15720.00	1747
119th - WEST	305+39	307+39	RT	EB LT TRN TAPER	200	8	1600.00	178
119th - WEST	307+39	309+65	RT	EB LT TRN LN	226	12	2712.00	301
119th - WEST	294+10	297+70	CL	MEDIAN	360	8	2880.00	320
119th - WEST	309+21	309+65	CL	MEDIAN	44	5	220.00	24
119th - EAST	310+37	316+80	LT	WB LANE	643	24	15432.00	1715
119th - EAST	316+80	319+50	LT	WB LANE	270	18	4860.00	540
119th - EAST	319+50	330+52	LT	WB LANE	1102	12	13224.00	1469
119th - EAST	310+37	312+70	LT	WB LT TRN LN	233	12	2796.00	311
119th - EAST	312+70	314+70	LT	WB LT TRN TAPER	200	6	1200.00	133
119th - EAST	322+00	324+92	LT	WB LT TRN LN	292	12	3504.00	389
119th - EAST	322+00	324+92	CL	MEDIAN	292	4	1168.00	130
119th - EAST	324+92	326+92	LT	WB LT TRN TAPER	200	6	1200.00	133
119th - EAST	324+92	326+92	CL	MEDIAN	200	10	2000.00	222
119th - EAST	310+37	316+80	RT	EB LANE	643	24	15432.00	1715
119th - EAST	316+80	321+50	RT	EB LANE	425	18	7650.00	850
119th - EAST	321+50	330+52	RT	EB LANE	947	12	11364.00	1263
119th - EAST	316+80	321+50	RT	EB RT TRN TAPER	425	6	2550.00	283
119th - EAST	321+50	323+20	RT	EB RT TRN LN	170	12	2040.00	227
119th - EAST	310+37	310+84	CL	MEDIAN	47	5	235.00	26
119th - EAST	322+20	322+82	CL	MEDIAN	62	5	310.00	34
119th - EAST	324+92	326+92	CL	MEDIAN	200	10.5	2100.00	233
119th - EAST	326+92	330+52	CL	MEDIAN	360	8	2880.00	320
SIDE STREETS								
119th - WEST	295+50		RT	ENTRANCE			3178.04	353
119th - WEST	296+50		LT	ENTRANCE			4034.85	448
119th - WEST	322+60		RT	ENTRANCE			3147.75	350
							SUBTOTAL	18402
PAY CODE: 35501320							TOTAL	18402

AGGREGATE SUBGRADE, 12"

LOCATION	FROM	TO	REF.	DESCRIPTION	LENGTH (FEET)	AVG. WIDTH (FEET)	AREA (SQ. YD)
MAINLINE							
119th - WEST	294+10	295+00	LT	WB LANE & SHLDR	90	21.5	215
119th - WEST	295+00	295+80	LT	WB LANE & SHLDR	80	24	213
119th - WEST	295+80	297+36	LT	WB LANE	156	19	329
119th - WEST	294+10	295+00	RT	EB LANE & SHLDR	90	19.5	195
119th - WEST	295+00	296+00	RT	ENT LANE	100	16	178
119th - WEST	297+36	297+70	LT	WB LANE	34	23	87
119th - WEST	296+00	297+70	RT	EB LANE & SHLDR	170	26.5	501
119th - WEST	297+70	303+10	LT	WB LANES	540	29.7	1782
119th - WEST	297+70	300+40	RT	EB LANE & SHLDR	270	28.5	855
119th - WEST	300+40	303+10	RT	EB LANE & SHLDR	270	34.5	1035
119th - WEST	303+10	307+07	LT	WB LANES	397	29.5	1301
119th - WEST	303+10	305+32	RT	EB LANES	222	29.5	728
119th - WEST	305+32	307+07	RT	EB LANE & TURN LANE	175	40	778
119th - WEST	307+07	309+65	LT	WB LANES	258	35	1003
119th - WEST	307+07	309+65	RT	EB LANES	258	35	1003
119th - WEST	309+00	309+65	LT	(FROM CAD)	1607	SF	179
119th - WEST	309+00	309+65	RT	(FROM CAD)	2472	SF	275
119th - EAST	310+35	311+00	LT	(FROM CAD)	2649	SF	294
119th - EAST	310+35	311+00	RT	(FROM CAD)	1654	SF	184
119th - EAST	310+35	312+94	LT	WB LANES	259	35	1007
119th - EAST	310+35	312+94	RT	EB LANES	259	35	1007
119th - EAST	312+94	314+70	LT	WB LANES	176	34.7	679
119th - EAST	312+94	322+08	RT	EB LANES	914	29.5	2996
119th - EAST	314+70	316+85	LT	WB LANES	215	29.5	705
119th - EAST	316+85	319+50	LT	WB LANES	265	29	854
119th - EAST	319+50	322+08	LT	WB LANES	258	23	659
119th - EAST	322+08	326+92	LT	WB LANES	484	28.5	1533
119th - EAST	322+08	323+32	RT	EB LANES	124	35	482
119th - EAST	323+32	326+92	RT	EB LANES	360	28.5	1140
119th - EAST	326+92	330+52	LT	WB LANES	360	24.5	980
119th - EAST	326+92	330+52	RT	EB LANES	360	24.5	980
SIDE STREETS							
119th - WEST	295+50		RT	ENT (FROM CAD)	3062	SF	340
119th - WEST	296+50		LT	ENT (FROM CAD)	3929	SF	437
119th - WEST	32+61		RT	ENT (FROM CAD)	3077	SF	342
							SUBTOTAL 25275.02
PAY CODE: 35102400							TOTAL 25275

HOT-MIX ASPHALT, SURFACE COURSE, 1 3/4"

LOCATION	FROM	TO	REF.	DESCRIPTION	LENGTH (FEET)	AVG. WIDTH (FEET)	AREA (SQ. YD)	TOTAL (TON)
MAINLINE								
NORTH	205+35	208+95	LT	NB LANE	360	12	480.00	50
NORTH	205+35	208+95	RT	SB LANE	360	12	480.00	50
NORTH	205+35	208+95	CL	MEDIAN	360	8	320.00	34
NORTH	208+95	214+35	LT	NB LANE	540	18	1080.00	113
NORTH	208+95	214+35	RT	SB LANE	540	18	1080.00	113
NORTH	215+12	223+00	CL	MEDIAN/TURN LANE	788	12	1050.67	110
NORTH	214+35	236+14	LT	NB LANE	2165	24	5773.33	606
NORTH	214+35	236+14	RT	SB LANE	2165	24	5773.33	606
NORTH	218+31	220+31	RT	SB LT TRN TAPER	200	6	133.33	14
NORTH	220+31	223+00	RT	SB LT TRN LANE	269	12	358.67	38
SOUTH	223+00	225+37	LT	NB LT TRN LANE	237	12	316.00	33
SOUTH	225+37	227+37	LT	NB LT TRN TAPER	200	6	133.33	14
SOUTH	227+24	229+24	RT	SB LT TRN TAPER	200	6	133.33	14
SOUTH	229+24	232+00	RT	SB LT TRN LANE	276	12	368.00	39
SOUTH	229+24	232+00	CL	MEDIAN	276	8	245.33	26
SOUTH	235+36	237+36	RT	SB LT TRN TAPER	200	6	133.33	14
SOUTH	237+36	240+10	RT	SB LT TRN LANE	274	12	365.33	38
SOUTH	236+14	241+54	LT	NB LANE	540	18	1080.00	113
SOUTH	236+14	241+54	RT	SB LANE	540	18	1080.00	113
SOUTH	239+21	240+10	CL	MEDIAN	89	8	79.11	8
SOUTH	239+21	241+25	RT	NB RT TRN LANE	204	12	272.00	29
SOUTH	241+25	243+25	RT	NB RT TRN TAPER	200	6	133.33	14
SOUTH	241+54	245+14	LT	NB LANE	360	12	480.00	50
SOUTH	241+54	245+14	RT	SB LANE	360	12	480.00	50
SOUTH	241+54	245+14	CL	MEDIAN	360	8	320.00	34
SIDE STREETS								
NORTH	231+50		LT	SIDE STREET	20.3	82.9	186.99	20
SOUTH	239+50		LT	SIDE STREET	21.1	81.1	190.13	20
ENTRANCES (CE = 1 3/4", PE = 2 1/2")								
NORTH	212+09		LT	PE	32.8	30.5	111.16	17
NORTH	213+82		RT	PE	30.4	20.3	68.57	10
NORTH	215+71		RT	PE	25.9	18.6	53.53	8
NORTH	217+40		LT	PE	28.0	33.3	103.60	16
SOUTH	239+75		RT	CE	23.2	35.0	90.22	9
SOUTH	241+86		RT	CE	13.0	30.0	43.33	5
SOUTH	243+85		RT	CE	17.3	62.2	119.56	13
SOUTH	244+17		LT	PE	17.5	26.0	50.56	8
							SUBTOTAL	2450
PAY CODE: 40603340							TOTAL	2450

HOT-MIX ASPHALT, BINDER COURSE, 2 1/4"

LOCATION	FROM	TO	REF.	DESCRIPTION	LENGTH (FEET)	AVG. WIDTH (FEET)	AREA (SQ. YD)	TOTAL (TON)
MAINLINE								
NORTH	205+35	208+95	LT	NB LANE	360	12	480.00	65
NORTH	205+35	208+95	RT	SB LANE	360	12	480.00	65
NORTH	205+35	208+95	CL	MEDIAN	360	8	320.00	43
NORTH	208+95	214+35	LT	NB LANE	540	18	1080.00	146
NORTH	208+95	214+35	RT	SB LANE	540	18	1080.00	146
NORTH	215+12	223+00	CL	MEDIAN/TURN LANE	788	12	1050.67	142
NORTH	214+35	236+14	LT	NB LANE	2165	24	5773.33	779
NORTH	214+35	236+14	RT	SB LANE	2165	24	5773.33	779
NORTH	218+31	220+31	RT	SB LT TRN TAPER	200	6	133.33	18
NORTH	220+31	223+00	RT	SB LT TRN LANE	269	12	358.67	48
SOUTH	223+00	225+37	LT	NB LT TRN LANE	237	12	316.00	43
SOUTH	225+37	227+37	LT	NB LT TRN TAPER	200	6	133.33	18
SOUTH	227+24	229+24	RT	SB LT TRN TAPER	200	6	133.33	18
SOUTH	229+24	232+00	RT	SB LT TRN LANE	276	12	368.00	50
SOUTH	231+09	232+00	CL	MEDIAN	91	8	80.89	11
SOUTH	235+36	237+36	RT	SB LT TRN TAPER	200	6	133.33	18
SOUTH	237+36	240+10	RT	SB LT TRN LANE	274	12	365.33	49
SOUTH	236+14	241+54	LT	NB LANE	540	18	1080.00	146
SOUTH	236+14	241+54	RT	SB LANE	540	18	1080.00	146
SOUTH	239+21	240+10	CL	MEDIAN	89	8	79.11	11
SOUTH	239+21	241+25	LT	NB RT TRN LANE	204	12	272.00	37
SOUTH	241+25	243+25	LT	NB LT TRN TAPER	200	6	133.33	18
SOUTH	241+54	245+14	LT	NB LANE	360	12	480.00	65
SOUTH	241+54	245+14	RT	SB LANE	360	12	480.00	65
SOUTH	241+54	245+14	CL	MEDIAN	360	8	320.00	43
SIDE STREETS								
NORTH	231+50		LT	SIDE STREET	20.3	82.9	186.99	25
SOUTH	239+50		LT	SIDE STREET	21.1	81.1	190.13	26
							SUBTOTAL	3018.75
PAY CODE: 40603085							TOTAL	3019

HOT-MIX ASPHALT, BASE COURSE, 9"

LOCATION	FROM	TO	REF.	DESCRIPTION	LENGTH (FEET)	AVG. WIDTH (FEET)	AREA (SQ. FT)	TOTAL (SQ. YD)
MAINLINE								
NORTH	205+35	208+95	LT	NB LANE	360	12	4320.00	480
NORTH	205+35	208+95	RT	SB LANE	360	12	4320.00	480
NORTH	205+35	208+95	CL	MEDIAN	360	8	2880.00	320
NORTH	208+95	214+35	LT	NB LANE	540	18	9720.00	1080
NORTH	208+95	214+35	RT	SB LANE	540	18	9720.00	1080
NORTH	215+12	223+00	CL	MEDIAN/TURN LANE	788	12	9456.00	1051
NORTH	214+35	236+14	LT	NB LANE	2165	24	51960.00	5773
NORTH	214+35	236+14	RT	SB LANE	2165	24	51960.00	5773
NORTH	218+31	220+31	RT	SB LT TRN TAPER	200	6	1200.00	133
NORTH	220+31	223+00	RT	SB LT TRN LANE	269	12	3228.00	359
SOUTH	223+00	225+37	LT	NB LT TRN LANE	237	12	2844.00	316
SOUTH	225+37	227+37	LT	NB LT TRN TAPER	200	6	1200.00	133
SOUTH	227+24	229+24	RT	SB LT TRN TAPER	200	6	1200.00	133
SOUTH	229+24	232+00	RT	SB LT TRN LANE	276	12	3312.00	368
SOUTH	231+09	232+00	CL	MEDIAN	91	8	728.00	81
SOUTH	235+36	237+36	RT	SB LT TRN TAPER	200	6	1200.00	133
SOUTH	237+36	240+10	RT	SB LT TRN LANE	274	12	3288.00	365
SOUTH	236+14	241+54	LT	NB LANE	540	18	9720.00	1080
SOUTH	236+14	241+54	RT	SB LANE	540	18	9720.00	1080
SOUTH	239+21	240+10	CL	MEDIAN	89	8	712.00	79
SOUTH	239+21	241+25	LT	NB RT TRN LANE	204	12	2448.00	272
SOUTH	241+25	243+25	LT	NB LT TRN TAPER	200	6	1200.00	133
SOUTH	241+54	245+14	LT	NB LANE	360	12	4320.00	480
SOUTH	241+54	245+14	RT	SB LANE	360	12	4320.00	480
SOUTH	241+54	245+14	CL	MEDIAN	360	8	2880.00	320
SIDE STREETS								
NORTH	231+50		LT	SIDE STREET	20	82.9	1682.87	187
SOUTH	239+50		LT	SIDE STREET	21	81.1	1711.21	190
							SUBTOTAL	22361.12
PAY CODE: 35501320							TOTAL	22361

AGGREGATE SUBGRADE, 12"

LOCATION	FROM	TO	REF.	DESCRIPTION	LENGTH (FEET)	AVG. WIDTH (FEET)	AREA (SQ. YD)
MAINLINE							
NORTH	205+35	208+95	LT	NB LANE	360	24.5	980
NORTH	205+35	208+95	RT	SB LANE	360	24.5	980
NORTH	208+95	214+30	LT	NB LANES	535	30	1783
NORTH	208+95	211+65	R	SB LANES	270	24	720
NORTH	211+65	214+30	R	SB LANES	265	30	883
NORTH	214+30	219+65	LT	NB LANES	535	32	1902
NORTH	214+30	218+31	R	SB LANES	401	32	1426
NORTH	218+31	219+65	R	SB LANES	134	35	521
NORTH	219+65	225+87	LT	NB LANES	622	35.5	2453
NORTH	219+65	225+87	R	SB LANES	622	35.5	2453
SOUTH	225+87	227+36	LT	NB LANES	149	35	579
SOUTH	225+87	227+24	R	SB LANES	137	31	472
SOUTH	227+24	228+67	R	SB LANES	143	35	556
SOUTH	227+36	228+67	LT	NB LANES	131	31	451
SOUTH	228+67	232+16	LT	NB LANES	349	35.5	1377
SOUTH	228+67	232+16	RT	SB LANES	349	35.5	1377
SOUTH	232+16	236+14	LT	NB LANES	398	31	1371
SOUTH	232+16	235+36	RT	SB LANES	320	31	1102
SOUTH	235+36	236+78	RT	SB LANES	142	34.5	544
SOUTH	236+14	236+78	LT	NB LANES	64	31	220
SOUTH	236+78	240+25	LT	NB LANES	347	33.5	1292
SOUTH	236+78	240+25	RT	SB LANES	347	29.7	1145
SOUTH	240+25	241+25	LT	NB LANES	100	31	344
SOUTH	240+25	241+54	RT	SB LANES	129	21	301
SOUTH	241+25	241+54	LT	NB LANES	29	30	97
SOUTH	241+54	245+14	LT	NB LANES	360	25.3	1012
SOUTH	241+54	245+14	RT	SB LANES	360	20.3	812
SIDE STREETS							
SIDE STREETS	231+61		LT	SCHOOL ENT	1759	SF (FROM CAD)	195
NORTH	239+70		LT	SCHOOL ENT	2645	SF (FROM CAD)	294
							SUBTOTAL 27644.60
PAY CODE: Z0001050							TOTAL 27645

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	PLOT SCALE = $SCALE$	DRAWN - JM	REVISED -
	PLOT DATE = 1/5/2012	CHECKED - CM	REVISED -
		DATE - FEBRUARY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

SCALE: 1" = 20'

SCHEDULE OF QUANTITIES

PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	6

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT

STORM STRUCTURES SCHEDULE

LOC.	STA.	INLET			CATCH BASIN							MANHOLE									PGS - FES	PRC - FES			
		TY A-24	TY A-3V	TY A-24	2' TY C-8	4' TY A-3	4' TY A-3V	4' TY A-8	4' TY A-24	5' TY A-24	5' TY A-3V	4' TY A-1C	4' TY A1OP	4' TY A-8	5' TY A-1C	7' TY A-1C	7' TY A-8	8' TY A-8	ADJ.-8	ADJ.-24	15"	12"	23" X 14"	42"	48"
119TH - WEST	294+95																								50.0' RT
119TH - WEST	297+25		26.3' LT		37.0' RT											48.0' RT									
119TH - WEST	300+85		29.1' LT													48.0' RT									
119TH - WEST	301+65				39.0' RT	30.9' LT										48.0' RT									
119TH - WEST	301+75	31.1' LT																							
119TH - WEST	301+85		31.1' LT																						
119TH - WEST	302+30		32.3' LT													48.0' RT									
119TH - WEST	303+40		34.1' LT				34.1' RT										44.0' RT								
119TH - WEST	305+00		34.1' LT				34.1' RT										44.0' RT								
119TH - WEST	306+50										34.1' RT							44.0' RT							
119TH - WEST	306+50										34.1' LT														
119TH - WEST	306+70																							56.0' LT	
119TH - EAST	310+48																			53.1' RT					
119TH - EAST	311+10			40.4' RT																					
119TH - EAST	311+20									39.0' RT															
119TH - EAST	311+32																			41.3' RT					
119TH - EAST	312+00		34.1' LT				34.1' RT					41.0' RT													
119TH - EAST	313+40		34.1' LT				34.1' RT					41.0' RT													
119TH - EAST	315+50						34.1' RT					41.0' RT													
119TH - EAST	315+50				46.0' LT		34.1' LT																		
119TH - EAST	317+42											41.0' RT													
119TH - EAST	317+50		34.1' RT																						
PLAINFIELD	211+90																				47.0' LT				
PLAINFIELD	212+30																				47.8' LT				
PLAINFIELD	213+70																				49.0' RT				
PLAINFIELD	214+00																				49.6' RT				
PLAINFIELD	215+60																				50.6' RT				
PLAINFIELD	215+90																				50.7' RT				
PLAINFIELD	216+50			34.6' RT					34.6' LT																
PLAINFIELD	216+61											44.6' LT													
PLAINFIELD	217+20																				54.6' LT				
PLAINFIELD	217+55																				54.5' LT				
PLAINFIELD	218+65			34.6' RT					34.6' LT			44.6' LT													
PLAINFIELD	220+16																						54.0' LT		
PLAINFIELD	220+20																						54.0' LT		
PLAINFIELD	220+46																						51.0' RT		
PLAINFIELD	220+50																						51.0' RT		
PLAINFIELD	220+75	34.6' RT							34.6' RT																
PLAINFIELD	220+75	34.6' LT							35.4' LT						44.5' LT										
PLAINFIELD	220+85			34.6' RT																					
PLAINFIELD	220+85			36.0' LT																					
PLAINFIELD	221+99									58.5' LT															
PLAINFIELD	223+65								35.0' LT																
PLAINFIELD	223+72																								
PLAINFIELD	223+85			49.9' RT																					
PLAINFIELD	225+40			34.6' RT					34.6' LT																
PLAINFIELD	225+45																		43.0' LT						
PLAINFIELD	226+75			34.6' RT					34.6' LT				44.6' LT												
PLAINFIELD	228+64												44.6' LT												
PLAINFIELD	228+75			34.6' RT					34.6' LT																
PLAINFIELD	233+75			34.6' RT					34.6' LT																
PLAINFIELD	233+86												44.6' LT												
PLAINFIELD	235+87																		42.4' LT						
PLAINFIELD	235+90			34.6' RT					34.6' LT																
PLAINFIELD	237+25			34.6' RT					34.6' LT					45.0' LT											
PLAINFIELD	239+25			27.6' RT					37.6' LT			45.0' LT													
PLAINFIELD	241+50							31.5' RT																	
PLAINFIELD	241+65							31.5' RT	22.4' LT																
PLAINFIELD	241+25	18.8' RT																							
PLAINFIELD	243+40							29.0' RT																	
PLAINFIELD	243+50				29.0' RT																				
PLAINFIELD	243+75	18.4' LT						30.0' RT																	
PLAINFIELD	243+75	18.4' LT																							
PLAINFIELD	244+34																					29' RT			
PLAINFIELD	244+80							30.0' RT																	
TOTAL		6	9	13	4	1	6	5	13	2	2	7	3	1	1	4	2	1	2	2	8	1	4	1	1

STORM STRUCTURES SCHEDULE

LOC.	STATION		CULV TY 1	SS TY 1					SS TY 2					T.B.
	FROM	TO	15"	12"	15"	24"	48"	23" X 14"	12"	15"	30"	42"	48"	
119TH - WEST	294+95	297+25					233							55.80
119TH - WEST	297+25	297+25		11										
119TH - WEST	297+25	297+25							62					
119TH - WEST	297+25	300+85					360							
119TH - WEST	300+85	300+85							77					
119TH - WEST	300+85	301+65					80							
119TH - WEST	301+75	301+85							10					
119TH - WEST	301+75	301+75		69										
119TH - WEST	301+65	301+75		10										1.90
119TH - WEST	301+65	302+30					65							
119TH - WEST	302+30	302+30							80					
119TH - WEST	302+30	303+40					110							
119TH - WEST	303+40	303+40							10					
119TH - WEST	303+40	303+40							66					
119TH - WEST	303+40	305+00					160							
119TH - WEST	305+00	305+00		10										
119TH - WEST	305+00	305+00							68					
119TH - WEST	305+00	306+50											150	
119TH - WEST	306+50	306+50										10		
119TH - WEST	306+50	306+50										68		
119TH - WEST	306+50	306+70										20		
119TH - WEST	310+48	306+50									398			284.00
119TH - EAST	311+10	311+20		10		32								
119TH - EAST	311+20	311+20				70								
119TH - EAST	311+20	311+30				12								2.10
119TH - EAST	311+32	312+00								68				
119TH - EAST	312+00	312+00							7					
119TH - EAST	312+00	312+00							68					
119TH - EAST	312+00	313+40								140				
119TH - EAST	313+40	313+40							7					
119TH - EAST	313+40	313+40							68					
119TH - EAST	313+40	315+50							210					
119TH - EAST	315+50	315+50							7					
119TH - EAST	315+50	315+50							68					
119TH - EAST	315+50	315+50		12										
119TH - EAST	315+50	317+42							192					
119TH - EAST	317+42	317+50							11					
PLAINFIELD	211+90	212+30	28											3.40
PLAINFIELD	213+70	214+00	18											2.20
PLAINFIELD	215+60	215+90	50											5.40
PLAINFIELD	216+50	216+50		68										
PLAINFIELD	216+50	216+61		16										
PLAINFIELD	216+61	218+65		204										5.00
PLAINFIELD	217+20	217+55	28											3.40
PLAINFIELD	218+65	218+65		10										17.50
PLAINFIELD	218+65	218+65		68										17.50
PLAINFIELD	218+65	220+75			194									
PLAINFIELD	220+16	220+46						106						
PLAINFIELD	220+20	220+46						106						
PLAINFIELD	220+75	220+75		68										
PLAINFIELD	220+68	220+68		10										
PLAINFIELD	220+75	220+85		10										1.30
PLAINFIELD	220+75	220+85							10					1.30
PLAINFIELD	220+60	221+59				123								
PLAINFIELD	221+59	222+89				111								12.90
PLAINFIELD	223+65	223+85		87										11.50
PLAINFIELD	223+65	223+72		13										
PLAINFIELD	223+72	225+45							173					
PLAINFIELD	225+40	225+40							68					24.60
PLAINFIELD	225+40	225+45							10					
PLAINFIELD	225+45	226+75								130				
PLAINFIELD	226+75	226+75							10					
PLAINFIELD	226+75	226+75							68					
PLAINFIELD	226+75	228+64		189										
PLAINFIELD	228+64	228+75							15					
PLAINFIELD	228+75	228+75							68					
PLAINFIELD	233+75	233+75							68					
PLAINFIELD	233+75	233+86							15					
PLAINFIELD	233+86	235+87		201										
PLAINFIELD	235+87	235+90							9					
PLAINFIELD	235+90	235+90							68					
PLAINFIELD	235+87	237+25							138					
PLAINFIELD	237+25	237+25							14					
PLAINFIELD	237+25	237+25							61					
PLAINFIELD	237+25	239+25		200										
PLAINFIELD	239+25	239+25		8										
PLAINFIELD	239+25	239+25		62										
PLAINFIELD	241+50	241+50							53					
PLAINFIELD	241+50	241+50							10					
PLAINFIELD	241+50	242+00		50										
PLAINFIELD	241+50	243+25		175										
PLAINFIELD	243+25	243+25		11										
PLAINFIELD	243+25	244+34		109										
PLAINFIELD	243+50	244+34												
PLAINFIELD	243+75	243+75							12					
PLAINFIELD	243+75	244+80		109										
PLAINFIELD	244+80	245+14		34										
TOTAL			124	1824	194	348	1008	212	1881	338	398	98	150	450

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		DRAWN - JM	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - CM	REVISED -
	PLOT DATE = 1/5/2012	DATE - FEBRUARY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

SCALE: 1" = 20'

SCHEDULE OF QUANTITIES

PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	7

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT

EARTHWORK

LOCATION	STAGE	EXCAVATION CU YD	50% EXCAVATION - LESS WASTE CU YD	25% SHRINKAGE FACTOR CU YD	EMBANKMENT CU YD	-EXCESS / +FURNISHED CU YD
119th	PRE	2195	1098	823	2258	1435
Plainfield	PRE	3040	1520	1140	2734	1594
119th		15685	7842	5882	4739	
Plainfield		18620	9310	6982	4309	
PAY CODE: 20400800				SUBTOTAL		3029.21
				TOTAL		3029

PCC SIDEWALK, 5"

LOCATION	FROM STA	FROM REF	TO STA	TO REF	LENGTH	WIDTH	AREA
PLAINFIELD	242+65	50' LT	242+89	22' LT	38.20	5	191
PLAINFIELD	242+89	22' LT	244+00	18' LT	111	7	777
PLAINFIELD	244+34	17' LT	244+90	16' LT	56	7	392
PLAINFIELD	244+90	16' LT	245+14	49' LT	46	5	230
119TH	322+10	52' RT	322+30	52' RT	20	10	200
119TH	322+87	52' RT	323+02	52' RT	15	10	150
					SUBTOTAL		1940.00

TOPSOIL

LOCATION	FROM	TO	REF.	DESCRIPTION	LENGTH (FEET)	AVG. WIDTH (FEET)	AREA (SQ YD)	AREA (ACRE)
119TH	293+49	309+65	LT	BEHIND SHOULDER/CURB TO	1616	15.1	2711	0.56
119TH	293+49	309+65	RT	BEHIND SHOULDER/CURB TO	1616	19.1	3430	0.71
119TH	297+70	307+07	CL	MEDIAN	937	11.9	1239	0.26
119TH	310+37	334+00	LT	BEHIND SHOULDER/CURB TO	2363	9.2	2416	0.50
119TH	310+37	334+00	RT	BEHIND SHOULDER/CURB TO	2363	8.7	2284	0.47
119TH	312+94	322+09	CL	MEDIAN	915	11.8	1200	0.25
PLAINFIELD	205+35	222+50	LT	BEHIND SHOULDER/CURB TO	1715	17.3	3297	0.68
PLAINFIELD	205+35	222+50	RT	BEHIND SHOULDER/CURB TO	1715	20	3811	0.79
PLAINFIELD	223+50	245+14	RT	BEHIND SHOULDER/CURB TO	2164	16.8	4039	0.83
PLAINFIELD	224+86	245+14	LT	BEHIND SHOULDER/CURB TO	2028	17.1	3853	0.80
PLAINFIELD	208+95	215+12	CL	MEDIAN	617	10.84	743	0.15
PLAINFIELD	225+87	228+67	CL	MEDIAN	280	6.4	199	0.04
PLAINFIELD	232+16	236+78	CL	MEDIAN	462	9.4	483	0.10
PLAINFIELD	240+25	241+54	CL	MEDIAN	129	10.5	151	0.03
						TOTAL	29855	6.17

HOT-MIX ASPHALT SURFACE REMOVAL - VARIABLE DEPTH

LOCATION	FROM	TO	REF.	DESCRIPTION	LENGTH (FEET)	AVG. WIDTH (FEET)	AREA (SQ. FT)	AREA (SQ. YD)
SIDE STREETS								
PLAINFIELD	231+50		LT	STREET	20.3	82.9	1682.9	187
PLAINFIELD	239+50		LT	STREET	21.1	81.1	1711.2	190
119TH - EAST	322+50		RT	STREET	62.0	40.0	2480.0	276
PRIVATE ENTRANCE								
PLAINFIELD	212+09		LT	PE	32.8	30.5	1000.4	111
PLAINFIELD	213+82		RT	PE	30.4	20.3	617.1	69
PLAINFIELD	215+71		RT	PE	25.9	18.6	481.7	54
PLAINFIELD	217+40		LT	PE	28.0	33.3	932.4	104
PLAINFIELD	244+17		LT	PE	17.5	26.0	455.0	51
COMMERCIAL ENTRANCE								
119TH - WEST	295+50		RT	CE	45.0	56.0	2520.0	280
119TH - WEST	296+50		LT	CE	43.0	79.0	3397.0	377
PLAINFIELD	239+75		RT	CE	23.2	35.0	812.0	90
PLAINFIELD	241+86		RT	CE	13.0	30.0	390.0	43
PLAINFIELD	243+85		RT	CE	17.3	62.2	1076.1	120
PAY CODE: X4401198						SUBTOTAL		1950.64
						TOTAL		1951

COMBINATION CURB AND GUTTER, B-6.24

LOCATION	FROM	TO	REF.	DESCRIPTION	LENGTH (FEET)
MAINLINE					
PLAINFIELD	214+35	311+25	LT	EOP	834
PLAINFIELD	214+35	308+04	RT	EOP	970
PLAINFIELD	311+96	231+27	LT	EOP	963
PLAINFIELD	308+77	245+14	RT	EOP	2215
PLAINFIELD	231+93	239+41	LT	EOP	766
PLAINFIELD	240+03	245+14	LT	EOP	511
MEDIAN					
PLAINFIELD	208+95	215+12	CL	MEDIAN	1234
PLAINFIELD	232+16	236+78	CL	MEDIAN	924
PLAINFIELD	240+25	241+54	CL	MEDIAN	258
ENTRANCES					
PLAINFIELD	239+75		RT	ENTRANCE EOP	103
PLAINFIELD	241+86		RT	ENTRANCE EOP	63
PLAINFIELD	243+85		RT	ENTRANCE EOP	63
PLAINFIELD	244+17		LT	ENTRANCE EOP	58
PAY CODE: 60605000				SUBTOTAL	8962
				TOTAL	8962

COMBINATION CURB AND GUTTER, B-6.12

LOCATION	FROM	TO	REF.	DESCRIPTION	LENGTH (FEET)
MEDIAN					
119TH	295+45.		RT	ISLAND	77
119TH	296+50.		LT	ISLAND	118
ENTRANCES					
PLAINFIELD	215+75		RT	ENTRANCE EOP	81
PLAINFIELD	244+14		RT	ENTRANCE EOP	74
PAY CODE: 60603800				SUBTOTAL	350
				TOTAL	350

COMBINATION CURB AND GUTTER, B-6.18

LOCATION	FROM	TO	REF.	DESCRIPTION	LENGTH (FEET)
MAINLINE					
119TH	297+37	309+65	LT	EOP	1233
119TH	303+10	309+65	RT	EOP	650
119TH	310+37	316+80	LT	EOP	641
119TH	310+37	321+90	RT	EOP	1137
SIDE STREETS					
119TH - EAST	322+50		RT	SIDESTREET EOP	174
PAY CODE: 60604400				SUBTOTAL	3835
				TOTAL	3835

SEEDING CL 1

LOCATION	FROM	TO	REF.	DESCRIPTION	LENGTH (FEET)	AVG. WIDTH (FEET)	AREA (SQ YD)	AREA (ACRE)
119TH	293+49	309+65	LT	BEHIND SHOULDER/CURB TO	1616	15	2693	0.56
119TH	293+49	309+65	RT	BEHIND SHOULDER/CURB TO	1616	19.1	3430	0.71
119TH	310+37	334+00	LT	BEHIND SHOULDER/CURB TO	2363	24.9	6538	1.35
119TH	323+00	334+00	RT	BEHIND SHOULDER/CURB TO	1100	23.6	2884	0.60
PLAINFIELD	205+35	222+50	LT	BEHIND SHOULDER/CURB TO	1715	24.5	4669	0.96
PLAINFIELD	205+35	222+50	RT	BEHIND SHOULDER/CURB TO	1715	20	3811	0.79
PLAINFIELD	223+50	245+14	RT	BEHIND SHOULDER/CURB TO	2164	16.8	4039	0.83
PAY CODE: 25000100						TOTAL	28065	5.80

FERTILIZER NUTRIENT (PHOSPHOUROUS / POTASSIUM / NITROGEN)

LOCATION	TO	FROM	REF.	DESCRIPTION	AREA (SQ YD)	AREA (ACRE)	MULTIPLIER (LBS./ACRE)	WEIGHT (LBS.)
119TH	293+49	309+65	LT	BEHIND SHOULDER/CURB TO	2693	0.56	90	50
119TH	293+49	309+65	RT	BEHIND SHOULDER/CURB TO	3430	0.71	90	64
119TH	310+37	334+00	LT	BEHIND SHOULDER/CURB TO	6538	1.35	90	122
119TH	323+00	334+00	RT	BEHIND SHOULDER/CURB TO	2884	0.60	90	54
PLAINFIELD	205+35	222+50	LT	BEHIND SHOULDER/CURB TO	4669	0.96	90	87
PLAINFIELD	205+35	222+50	RT	BEHIND SHOULDER/CURB TO	3811	0.79	90	71
PLAINFIELD	223+50	245+14	RT	BEHIND SHOULDER/CURB TO	4039	0.83	90	75
PAY CODE: 25000400 / 25000600				TOTAL				522

COMBINATION CURB AND GUTTER REMOVAL

LOCATION	FROM STA	TO STA	REF	LENGTH
119TH	230+80	231+27	LT	60.00
119TH	231+93	232+40	LT	57
119TH	238+88	239+39	LT	62
PLAINFIELD	240+03	240+52	LT	59
PLAINFIELD	322+41		RT	5
PLAINFIELD	322+79		RT	5
PAY CODE: 44000500			SUBTOTAL	248.00
			TOTAL	248

TEMPORARY CONCRETE BARRIER TERMINAL

LOCATION	FROM STA	TO STA	REF	EACH
119TH	306+38	306+50	12' LT	1.00
PAY CODE: 70400100			SUBTOTAL	1.00
			TOTAL	1

TEMPORARY CONCRETE BARRIER

LOCATION	FROM STA	TO STA	REF	LENGTH FT
119TH	306+50	309+25	12' LT	275.00
PAY CODE: X7040305			SUBTOTAL	275.00
			TOTAL	275

CONCRETE MEDIAN

LOCATION	FROM	TO	REF	DESC	LENGTH	AVG WIDTH	SQ FT
CONCRETE MEDIAN, TYPE SB-6.12							
119TH	297+64.	297+70.	CL	MEDIAN	6	8	48
119TH	306+47.	307+32.	CL	MEDIAN	85	10.00	850
119TH	307+32.	309+21.	CL	MEDIAN	189	4	756
119TH	310+84.	312+70.	CL	MEDIAN	186	4	744
119TH	312+70.	313+56.	CL	MEDIAN	86	10.00	860
119TH	322+09.	322+15.	CL	MEDIAN	6	8	48
PLAINFIELD	216+30.	222+16.	CL	MEDIAN	586	4	2344
PLAINFIELD	223+52.	225+37.	CL	MEDIAN	185	4	740
PLAINFIELD	225+37.	226+50.	CL	MEDIAN	113	10.00	1130
PLAINFIELD	228+00.	229+24.	CL	MEDIAN	124	10.00	1240
PLAINFIELD	229+24.	231+09.	CL	MEDIAN	185	4	740
PLAINFIELD	232+05.	232+11.	CL	MEDIAN	6	8	48
PLAINFIELD	236+16.	237+36.	CL	MEDIAN	120	10.00	1200
PLAINFIELD	237+36.	239+21.	CL	MEDIAN	185	4	740
PLAINFIELD	240+10.	240+16.	CL	MEDIAN	6	8	48
PAY CODE: 60619600						SUBTOTAL	11536.00
						TOTAL	11536
CONCRETE MEDIAN, TYPE SB-6.24							
PLAINFIELD	208+87	208+95	CL	MEASURED IN CAD			128
PLAINFIELD	232+08	232+16	CL	MEASURED IN CAD			128
PLAINFIELD	240+17	240+25	CL	MEASURED IN CAD			128
PLAINFIELD	241+54	241+62	CL	MEASURED IN CAD			128
PAY CODE: 60620000						SUBTOTAL	512
						TOTAL	512

THERMOPLASTIC PAVEMENT MARKING

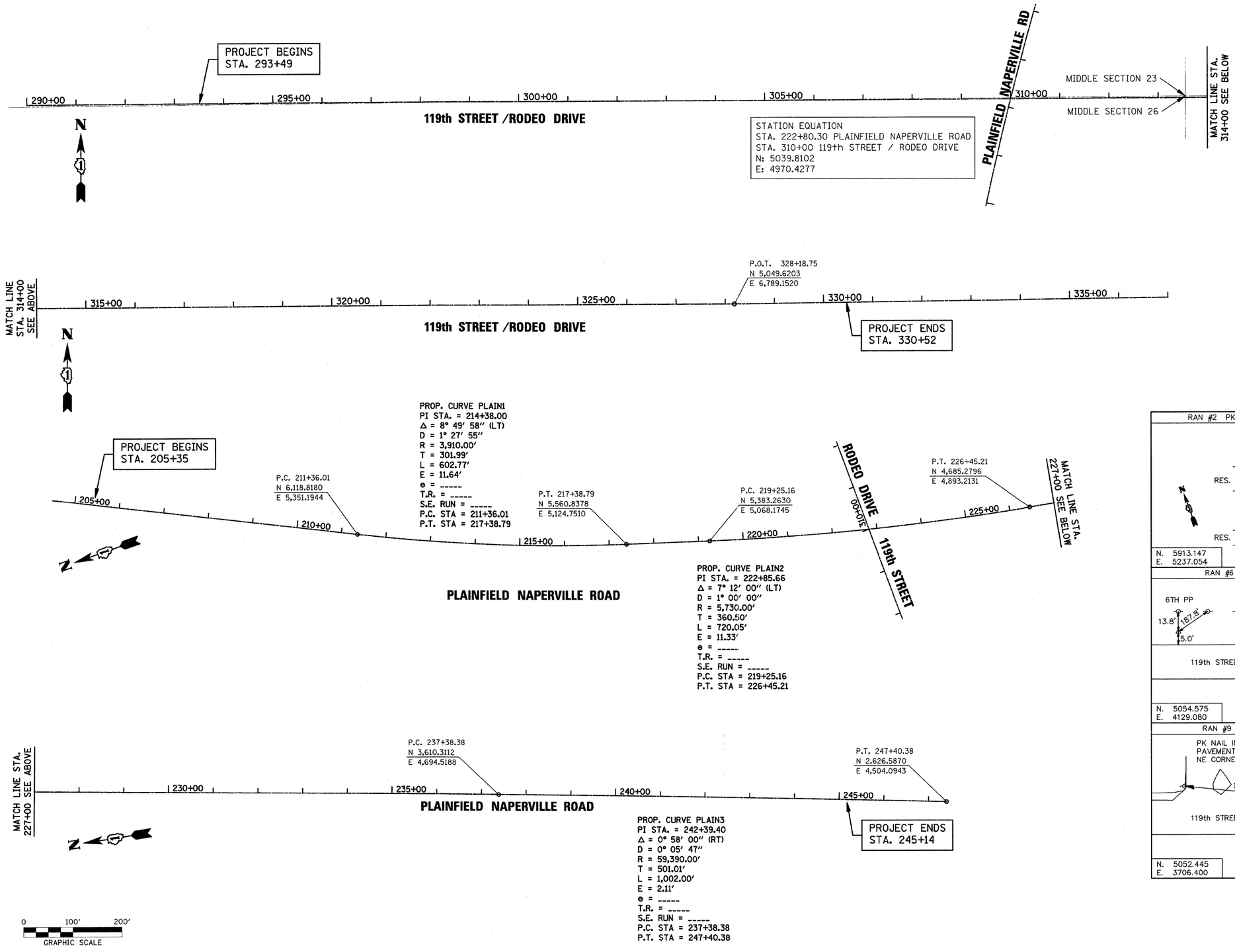
LOCATION	FROM	TO	REF.	DESCRIPTION	LENGTH	QUANTITY
LETTER & SYMBOLS (SQ. FT.)						
Plainfield	220+50		RT	"ONLY"		21
Plainfield	221+00		RT	LEFT ARROW		16
Plainfield	224+70		LT	LEFT ARROW		16
Plainfield	225+20		LT	"ONLY"		21
Plainfield	229+40		RT	"ONLY"		21
Plainfield	229+90		RT	LEFT ARROW		16
Plainfield	237+58		RT	"ONLY"		21
Plainfield	238+08		RT	LEFT ARROW		16
119TH - WEST	307+50		RT	"ONLY"		21
119TH - WEST	308+00		RT	LEFT ARROW		16
119TH - EAST	312+00		LT	LEFT ARROW		16
119TH - EAST	312+50		LT	"ONLY"		21
119TH - EAST	321+20		RT	"ONLY"		21
119TH - EAST	321+70		RT	RIGHT ARROW		16
119TH - EAST	322+61		RT	LEFT ARROW - LT TURN TO WB 119TH		16
119TH - EAST	322+82		RT	RIGHT ARROW - RT TURN TO EB 119TH		16
119TH - EAST	324+25		LT	LEFT ARROW		16
119TH - EAST	324+75		LT	"ONLY"		21
PAY CODE 78000100					TOTAL	322
4" WHITE SKIP-DASH (FEET)						
Plainfield	214+35	222+16	RT	SB LANE (30' SKIP - 10' DASH)	781	195
Plainfield	214+35	222+16	LT	NB LANE (30' SKIP - 10' DASH)	781	195
Plainfield	223+52	236+17	RT	SB LANE (30' SKIP - 10' DASH)	1265	316
Plainfield	223+52	236+17	LT	NB LANE (30' SKIP - 10' DASH)	1265	316
119TH - WEST	303+10	309+21	RT	EB LANE (30' SKIP - 10' DASH)	611	153
119TH - WEST	303+10	309+21	LT	WB LANE (30' SKIP - 10' DASH)	611	153
119TH - EAST	310+85	316+80	RT	EB LANE (30' SKIP - 10' DASH)	595	149
119TH - EAST	310+85	316+80	LT	WB LANE (30' SKIP - 10' DASH)	595	149
4" DOUBLE YELLOW (FEET)						
Plainfield	205+35	208+95	CL	MEDIAN (LENGTH X 4)	360	1440
Plainfield	219+70	222+16	CL	MEDIAN (LENGTH X 4)	246	984
Plainfield	223+52	225+83	CL	MEDIAN (LENGTH X 4)	231	924
Plainfield	228+72	231+09	CL	MEDIAN (LENGTH X 4)	237	948
Plainfield	236+83	239+21	CL	MEDIAN (LENGTH X 4)	238	952
Plainfield	241+54	245+14	CL	MEDIAN (LENGTH X 4)	360	1440
119TH - WEST	294+10	297+70	CL	MEDIAN (LENGTH X 4)	360	1440
119TH - WEST	307+13	309+24	CL	MEDIAN (LENGTH X 4)	211	844
119TH - EAST	310+85	313+00	CL	MEDIAN (LENGTH X 4)	215	860
119TH - EAST	322+82	330+52	CL	MEDIAN (LENGTH X 4)	770	3080
PAY CODE 78000200					TOTAL	14538
6" WHITE SKIP-DASH (FEET)						
Plainfield	218+31	220+31	RT	SB LT TURN LANE (6' SKIP - 2' DASH)	200	50
Plainfield	225+37	227+37	LT	NB LT TURN LANE (6' SKIP - 2' DASH)	200	50
Plainfield	227+24	229+24	RT	SB LT TURN LANE (6' SKIP - 2' DASH)	200	50
Plainfield	235+36	237+36	RT	SB LT TURN LANE (6' SKIP - 2' DASH)	200	50
Plainfield	241+25	243+25	LT	NB RT TURN LANE (6' SKIP - 2' DASH)	200	50
119TH - WEST	305+32	307+32	RT	EB LT TURN LANE (6' SKIP - 2' DASH)	200	50
119TH - EAST	312+70	314+70	LT	WB LT TURN LANE (6' SKIP - 2' DASH)	200	50
119TH - EAST	324+92	326+92	LT	WB LT TURN LANE (6' SKIP - 2' DASH)	200	50
6" SOLID WHITE (FEET)						
Plainfield	220+31	222+16	RT	SB LT TURN LANE	185	185
Plainfield	223+52	225+37	LT	NB LT TURN LANE	185	185
Plainfield	229+24	231+09	RT	SB LT TURN LANE	185	185
Plainfield	237+36	239+21	RT	SB LT TURN LANE	185	185
Plainfield	240+10	241+25	LT	NB RT TURN LANE	115	115
119TH - WEST	307+32	309+12	RT	EB LT TURN LANE	180	180
119TH - EAST	310+90	312+70	LT	WB LT TURN LANE	180	180
119TH - EAST	322+82	324+92	LT	WB LT TURN LANE	210	210
PAY CODE 78000400					TOTAL	1825
12" YELLOW DIAGONAL (FEET)						
Plainfield	205+35	208+95	CL	MEDIAN	71	71
Plainfield	241+54	245+14	CL	MEDIAN	69	69
119TH - WEST	294+10	297+70	CL	MEDIAN	135	135
119TH - EAST	324+92	330+52	CL	MEDIAN	282	282
119TH - EAST	322+60		RT	RT TURN TO EB 119TH	113	113
PAY CODE 78000600					TOTAL	669
24" WHITE STOP BAR (FEET)						
Plainfield	222+16		RT	STOP BAR	47	47
Plainfield	223+50		LT	STOP BAR	45	45
119TH - WEST	309+24		RT	STOP BAR	47	47
119TH - EAST	310+86		LT	STOP BAR	46	46
119TH - EAST	322+55		RT	STOP BAR - LT TURN TO WB 119TH	11	11
119TH - EAST	322+92		RT	STOP BAR - RT TURN TO EB 119TH	12	12
PAY CODE 78000650					TOTAL	208

SHORT TERM PAVEMENT MARKING

LOCATION	FROM	TO	REF.	DESCRIPTION	LENGTH	QUANTITY
LETTER & SYMBOLS (FEET) - SQ FT X 1/3						
Plainfield	220+50		RT	"ONLY"		7
Plainfield	221+00		RT	LEFT ARROW		5
Plainfield	224+70		LT	LEFT ARROW		5
Plainfield	225+20		LT	"ONLY"		7
Plainfield	229+40		RT	"ONLY"		7
Plainfield	229+90		RT	LEFT ARROW		5
Plainfield	237+58		RT	"ONLY"		7
Plainfield	238+08		RT	LEFT ARROW		5
119TH - WEST	307+50		RT	"ONLY"		7
119TH - WEST	308+00		RT	LEFT ARROW		5
119TH - EAST	312+00		LT	LEFT ARROW		5
119TH - EAST	312+50		LT	"ONLY"		7
119TH - EAST	321+20		RT	"ONLY"		7
119TH - EAST	321+70		RT	RIGHT ARROW		5
119TH - EAST	322+61		RT	LEFT ARROW - LT TURN TO WB 119TH		5
119TH - EAST	322+82		RT	RIGHT ARROW - RT TURN TO EB 119TH		5
119TH - EAST	324+25		LT	LEFT ARROW		5
119TH - EAST	324+75		LT	"ONLY"		7
4" WHITE SKIP-DASH (FEET) - LENGTH X 1/10						
Plainfield	214+35	222+16	RT	SB LANE (30' SKIP - 10' DASH)	781	78
Plainfield	214+35	222+16	LT	NB LANE (30' SKIP - 10' DASH)	781	78
Plainfield	223+52	236+17	RT	SB LANE (30' SKIP - 10' DASH)	1265	127
Plainfield	223+52	236+17	LT	NB LANE (30' SKIP - 10' DASH)	1265	127
119TH - WEST	303+10	309+21	RT	EB LANE (30' SKIP - 10' DASH)	611	61
119TH - WEST	303+10	309+21	LT	WB LANE (30' SKIP - 10' DASH)	611	61
119TH - EAST	310+85	316+80	RT	EB LANE (30' SKIP - 10' DASH)	595	60
119TH - EAST	310+85	316+80	LT	WB LANE (30' SKIP - 10' DASH)	595	60
4" DOUBLE YELLOW (FEET) - LENGTH X 1/10						
Plainfield	205+35	208+95	CL	MEDIAN (LENGTH X 4)	360	72
Plainfield	219+70	222+16	CL	MEDIAN (LENGTH X 4)	246	49
Plainfield	223+52	225+83	CL	MEDIAN (LENGTH X 4)	231	46
Plainfield	228+72	231+09	CL	MEDIAN (LENGTH X 4)	237	47
Plainfield	236+83	239+21	CL	MEDIAN (LENGTH X 4)	238	48
Plainfield	241+54	245+14	CL	MEDIAN (LENGTH X 4)	360	72
119TH - WEST	294+10	297+70	CL	MEDIAN (LENGTH X 4)	360	72
119TH - WEST	307+13	309+24	CL	MEDIAN (LENGTH X 4)	211	42
119TH - EAST	310+85	313+00	CL	MEDIAN (LENGTH X 4)	215	43
119TH - EAST	322+82	330+52	CL	MEDIAN (LENGTH X 4)	770	154
6" WHITE SKIP-DASH (FEET) - LENGTH X 1/10						
Plainfield	218+31	220+31	RT	SB LT TURN LANE (6' SKIP - 2' DASH)	200	20
Plainfield	225+37	227+37	LT	NB LT TURN LANE (6' SKIP - 2' DASH)	200	20
Plainfield	227+24	229+24	RT	SB LT TURN LANE (6' SKIP - 2' DASH)	200	20
Plainfield	235+36	237+36	RT	SB LT TURN LANE (6' SKIP - 2' DASH)	200	20
Plainfield	241+25	243+25	LT	NB RT TURN LANE (6' SKIP - 2' DASH)	200	20
119TH - WEST	305+32	307+32	RT	EB LT TURN LANE (6' SKIP - 2' DASH)	200	20
119TH - EAST	312+70	314+70	LT	WB LT TURN LANE (6' SKIP - 2' DASH)	200	20
119TH - EAST	324+92	326+92	LT	WB LT TURN LANE (6' SKIP - 2' DASH)	200	20
6" SOLID WHITE (FEET) - LENGTH X 1/10						
Plainfield	220+31	222+16	RT	SB LT TURN LANE	185	19
Plainfield	223+52	225+37	LT	NB LT TURN LANE	185	19
Plainfield	229+24	231+09	RT	SB LT TURN LANE	185	19
Plainfield	237+36	239+21	RT	SB LT TURN LANE	185	19
Plainfield	240+10	241+25	LT	NB RT TURN LANE	115	12
119TH - WEST	307+32	309+12	RT	EB LT TURN LANE	180	18
119TH - EAST	310+90	312+70	LT	WB LT TURN LANE	180	18
119TH - EAST	322+82	324+92	LT	WB LT TURN LANE	210	21
24" WHITE STOP BAR (FEET) - LENGTH X 6						
Plainfield	222+16	0	RT	STOP BAR	46.7	280
Plainfield	223+50	0	LT	STOP BAR	45.1	271
119TH - WEST	309+24	0	RT	STOP BAR	47.3	284
119TH - EAST	310+86	0	LT	STOP BAR	45.8	275
119TH - EAST	322+55	0	RT	STOP BAR - LT TURN TO WB 119TH	11	66
119TH - EAST	322+92	0	RT	STOP BAR - RT TURN TO EB 119TH	12	72
PAY CODE 70300280					TOTAL	2952

TEMPORARY PAVEMENT MARKING (2 LAYOUTS)

LOCATION	FROM	TO	REF.	DESCRIPTION	LENGTH	QUANTITY
LETTER & SYMBOLS (FEET) - SQ FT X 1/3						
Plainfield	220+50	0	RT	"ONLY"		14
Plainfield	221+00	0	RT	LEFT ARROW		10
Plainfield	224+70	0	LT	LEFT ARROW		10
Plainfield	225+20	0	LT	"ONLY"		14
Plainfield	229+40	0	RT	"ONLY"		14
Plainfield	229+90	0	RT	LEFT ARROW		10
Plainfield	237+58	0	RT	"ONLY"		14
Plainfield	238+08	0	RT	LEFT ARROW		10
119TH - WEST	307+50	0	RT	"ONLY"		14
119TH - WEST	308+00	0	RT	LEFT ARROW		10
119TH - EAST	312+00	0	LT	LEFT ARROW		10
119TH - EAST	312+50	0	LT	"ONLY"		14
119TH - EAST	321+20	0	RT	"ONLY"		14
119TH - EAST	321+70	0	RT	RIGHT ARROW		10
119TH - EAST	322+61	0	RT	LEFT ARROW - LT TURN TO WB 119TH		10
119TH - EAST	322+82	0	RT	RIGHT ARROW - RT TURN TO EB 119TH		10
119TH - EAST	324+25	0	LT	LEFT ARROW		10
119TH - EAST	324+75	0	LT	"ONLY"		14
4" WHITE SKIP-DASH (FEET)						
Plainfield	214+35	222+16	RT	SB LANE (30' SKIP - 10' DASH)	781	391
Plainfield	214+35	222+16	LT	NB LANE (30' SKIP - 10' DASH)	781	391
Plainfield	223+52	236+17	RT	SB LANE (30' SKIP - 10' DASH)	1265	633
Plainfield	223+52	236+17	LT	NB LANE (30' SKIP - 10' DASH)	1265	633
119TH - WEST	303+10	309+21	RT	EB LANE (30' SKIP - 10' DASH)	611	306
119TH - WEST	303+10	309+21	LT	WB LANE (30' SKIP - 10' DASH)	611	306
119TH - EAST	310+85	316+80	RT	EB LANE (30' SKIP - 10' DASH)	595	298
119TH - EAST	310+85	316+80	LT	WB LANE (30' SKIP - 10' DASH)	595	298
4" DOUBLE YELLOW (FEET)						
Plainfield	205+35	208+95	CL	MEDIAN (LENGTH X 4)	360	2880
Plainfield	219+70	222+16	CL	MEDIAN (LENGTH X 4)	246	1968
Plainfield	223+52	225+83	CL	MEDIAN (LENGTH X 4)	231	1848
Plainfield	228+72	231+09	CL	MEDIAN (LENGTH X 4)	237	1896
Plainfield	236+83	239+21	CL	MEDIAN (LENGTH X 4)	238	1904
Plainfield	241+54	245+14	CL	MEDIAN (LENGTH X 4)	360	2880
119TH - WEST	294+10	297+70	CL	MEDIAN (LENGTH X 4)	360	2880
119TH - WEST	307+13	309+24	CL	MEDIAN (LENGTH X 4)	211	1688
119TH - EAST	310+85	313+00	CL	MEDIAN (LENGTH X 4)	215	1720
119TH - EAST	322+82	330+52	CL	MEDIAN (LENGTH X 4)	770	6160
PAY CODE 78000200					TOTAL	29291
6" WHITE SKIP-DASH (FEET)						
Plainfield	218+31	220+31	RT	SB LT TURN LANE (6' SKIP - 2' DASH)	200	100
Plainfield	225+37	227+37	LT	NB LT TURN LANE (6' SKIP - 2' DASH)	200	100
Plainfield	227+24	229+24	RT	SB LT TURN LANE (6' SKIP - 2' DASH)	200	100
Plainfield	235+36	237+36	RT	SB LT TURN LANE (6' SKIP - 2' DASH)	200	100
Plainfield	241+25	243+25	LT	NB RT TURN LANE (6' SKIP - 2' DASH)	200	100
119TH - WEST	305+32	307+32	RT	EB LT TURN LANE (6' SKIP - 2' DASH)	200	100
119TH - EAST	312+70	314+70	LT	WB LT TURN LANE (6' SKIP - 2' DASH)	200	100
119TH - EAST	324+92	326+92	LT	WB LT TURN LANE (6' SKIP - 2' DASH)	200	100
6" SOLID WHITE (FEET)						
Plainfield	220+31	222+16	RT	SB LT TURN LANE	185	370
Plainfield	223+52	225+37	LT	NB LT TURN LANE	185	370
Plainfield	229+24	231+09	RT	SB LT TURN LANE	185	370
Plainfield	237+36	239+21	RT	SB LT TURN LANE	185	370
Plainfield	240+10	241+25	LT	NB RT TURN LANE	115	230
119TH - WEST	307+32	309+12	RT	EB LT TURN LANE	180	360
119TH - EAST	310+90	312+70	LT	WB LT TURN LANE	180	360
119TH - EAST	322+82	324+92	LT	WB LT TURN LANE	210	420
PAY CODE 78000400					TOTAL	3650
24" WHITE STOP BAR (FEET)						
Plainfield	222+16	0	RT	STOP BAR	46.7	93
Plainfield	223+50	0	LT	STOP BAR	45.1	90
119TH - WEST	309+24	0	RT	STOP BAR	47.3	95
119TH - EAST	310+86	0	LT	STOP BAR	45.8	92
119TH - EAST	322+55	0	RT	STOP BAR - LT TURN TO WB 119TH	11	22
119TH - EAST	322+92	0	RT	STOP BAR - RT TURN TO EB 119TH	12	24
PAY CODE 78000650					TOTAL	416



BENCHMARKS

BM#6002 – WCHD DISC STAMPED "624.39" ON HEADWALL IN THE SWX OF 119TH ST. BRIDGE @ DUPAGE RIVER
ELEVATION = 624.39

BM#6070 – CUT BOX ON SE WINGWALL OF 119th STREET / RODEO DRIVE BRIDGE @ DUPAGE RIVER
ELEVATION 623.96

BM "A" – RR SPIKE IN PP #5 WEST OF PLAINFIELD NAPERVILLE ROAD ON 119TH ST.
2.2 AGL
ELEVATION 622.63

BM "B" – RR SPIKE IN PP @ SWX OF PLAINFIELD NAPERVILLE ROAD & 119TH ST.
1.45 AGL
ELEVATION 635.18

BM "C" – RR SPIKE IN PP @ RES #11746 ON NAPERVILLE–PLAINFIELD ROAD NORTH OF 119TH ST.
1.7 AGL
ELEVATION 638.37

BM "D" – RR SPIKE IN 4TH PP EAST OF NAPERVILLE–PLAINFIELD ROAD NORTH SIDE OF 119TH ST.
1.50 AGL
ELEVATION 640.88

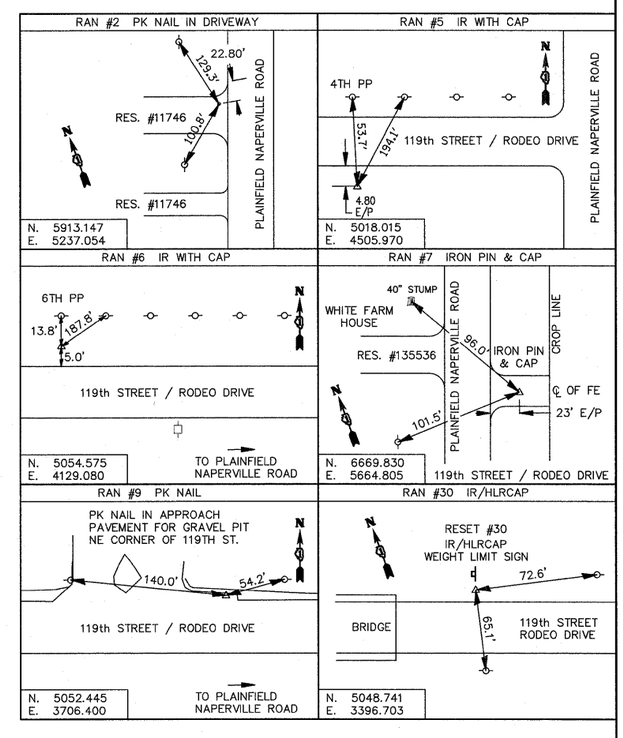
BM "E" – RR SPIKE IN 4TH PP SOUTH OF 119TH ON NAPERVILLE–PLAINFIELD ROAD WEST SIDE.
1.50 AGL
ELEVATION 639.90

BM "F" – RR SPIKE IN 7TH PP EAST OF NAPERVILLE–PLAINFIELD ROAD ON NORTH SIDE OF 119TH ST.
ELEVATION 639.77

BM "G" – RR SPIKE IN 10TH PP EST OF NAPERVILLE–PLAINFIELD ROAD ON NORTH SIDE OF 119TH ST.
AGL
ELEVATION 638.64

BM "H" – " " ON LIGHT POLE BASE AT NEX OF FIRST SOUTH ENTRANCE TO PLAINFIELD EAST HIGH SCHOOL AND NAPERVILLE ROAD BY SCHOOL SIGN
AGL
ELEVATION 637.49

PROJECT DATUM IS NAVD 88.



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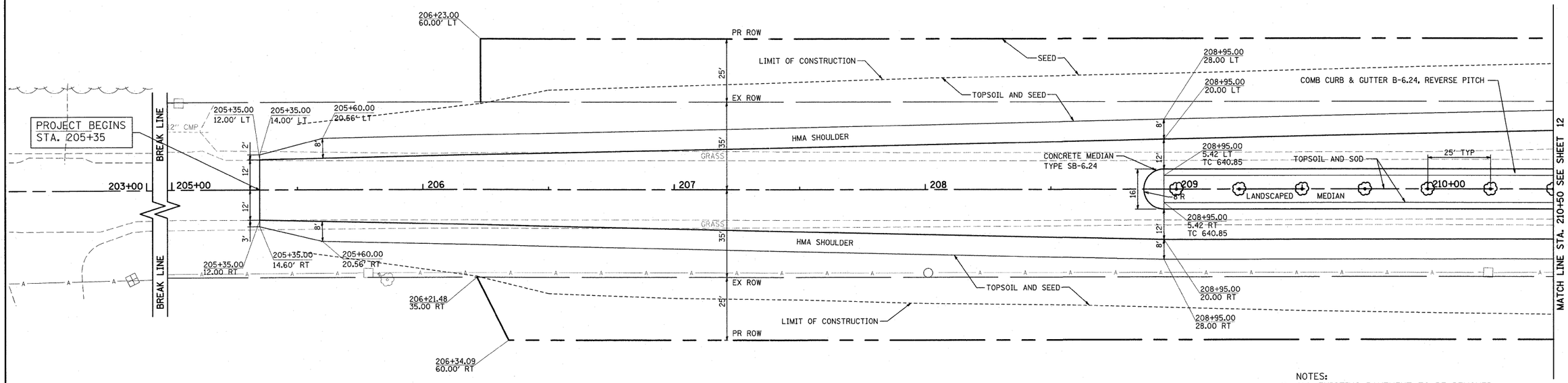
	DRAWN - JM	REVISED -				PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR	324	04-00036-22-TL	WILL	152	10
	PLOT SCALE = $SCALE$	CHECKED - CM	REVISED -						CONTRACT NO. 63671		
	PLOT DATE = 1/5/2012	DATE - FEBRUARY 2009	REVISED -		SCALE: 1″ = 40′	SHEET NO. 1 OF 1 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		



NOTES:

1. ALL EXISTING PAVEMENT TO BE REMOVED.
2. PROPOSED ℄ ELEVATIONS HAVE BEEN ESTABLISHED WITHOUT CONSIDERATION OF RAISED MEDIAN IN ORDER TO PROVIDE A UNIFORM PROFILE.

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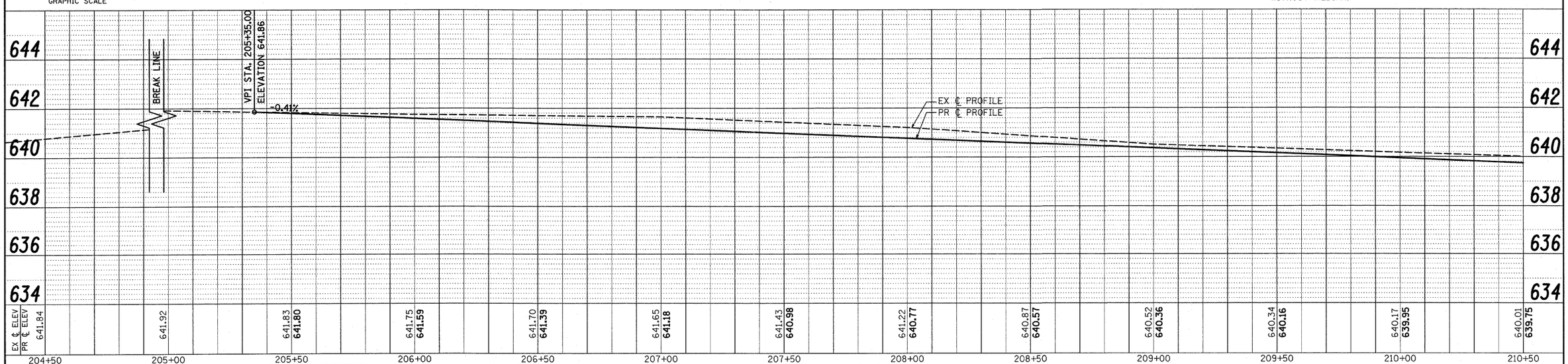
   AT LOCATIONS WITH MEDIAN, PROFILE ELEVATION IS WHAT PROPOSED ℄ ELEVATION WOULD BE WITHOUT MEDIAN.

0 20' 40'
GRAPHIC SCALE

PLAINFIELD NAPERVILLE ROAD



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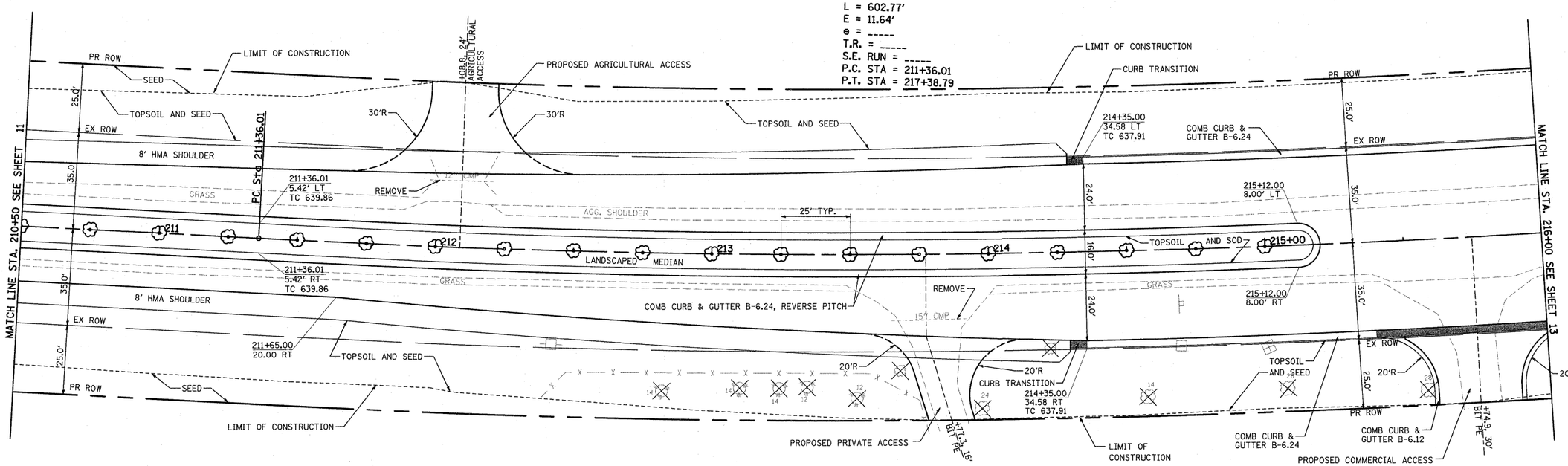
		DRAWN - JM	REVISED -				324	04-00036-22-TL	WILL	152	11
	PLOT SCALE = $SCALE$	CHECKED - CM	REVISED -						CONTRACT NO.		
	PLOT DATE = 1/5/2012	DATE - FEBRUARY 2009	REVISED -		SCALE: 1" = 20'	SHEET NO. 1 OF 8 SHEETS STA. 204+50 TO STA. 210+50			ILLINOIS FED. AID PROJECT		

PLAN
NOTE BOOK NO. ____
SURVEYED ____
PLOTTED ____
ALIGNMENT CHECKED ____
RT. OF WAY CHECKED ____
CADD FILE NAME ____
BY | DATE

PROFILE
NOTE BOOK NO. ____
SURVEYED ____
PLOTTED ____
GRADES CHECKED ____
B.M. NOTED ____
STRUCTURE NOTATNS CHKD ____
BY | DATE

PROP. CURVE PLAIN1
PI STA. = 214+38.00
Δ = 8° 49′ 58″ (LT)
D = 1° 27′ 55″
R = 3,910.00′
T = 301.99′
L = 602.77′
E = 11.64′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA = 211+36.01
P.T. STA = 217+38.79



NOTES:
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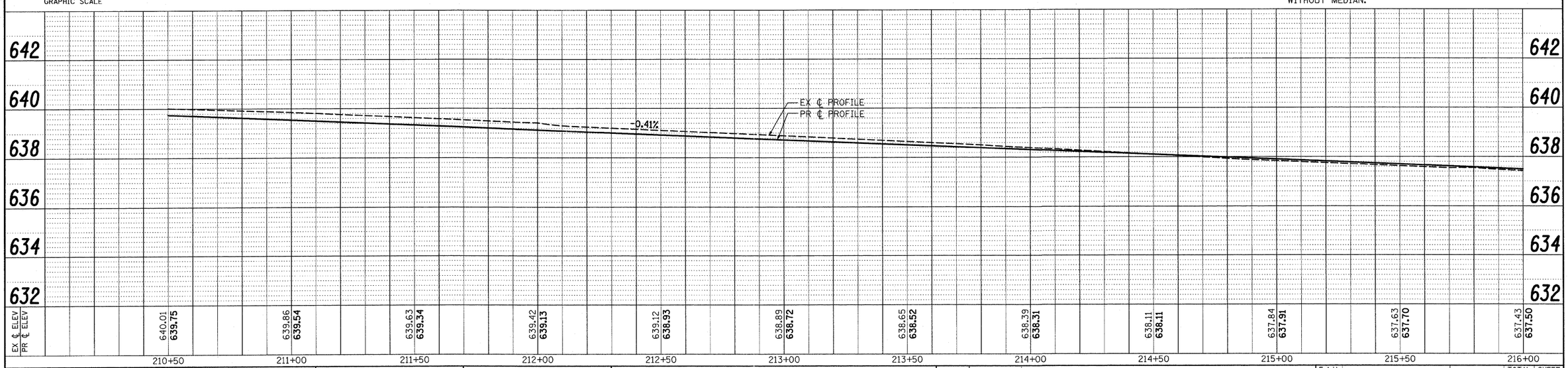
0 20′ 40′
GRAPHIC SCALE

PLAINFIELD NAPERVILLE ROAD



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		DRAWN - JM	REVISED -
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	PLOT DATE = 1/5/2012	DATE - FEBRUARY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

SCALE: 1″ = 20′ | SHEET NO. 2 OF 8 SHEETS | STA. 210+50 TO STA. 216+00

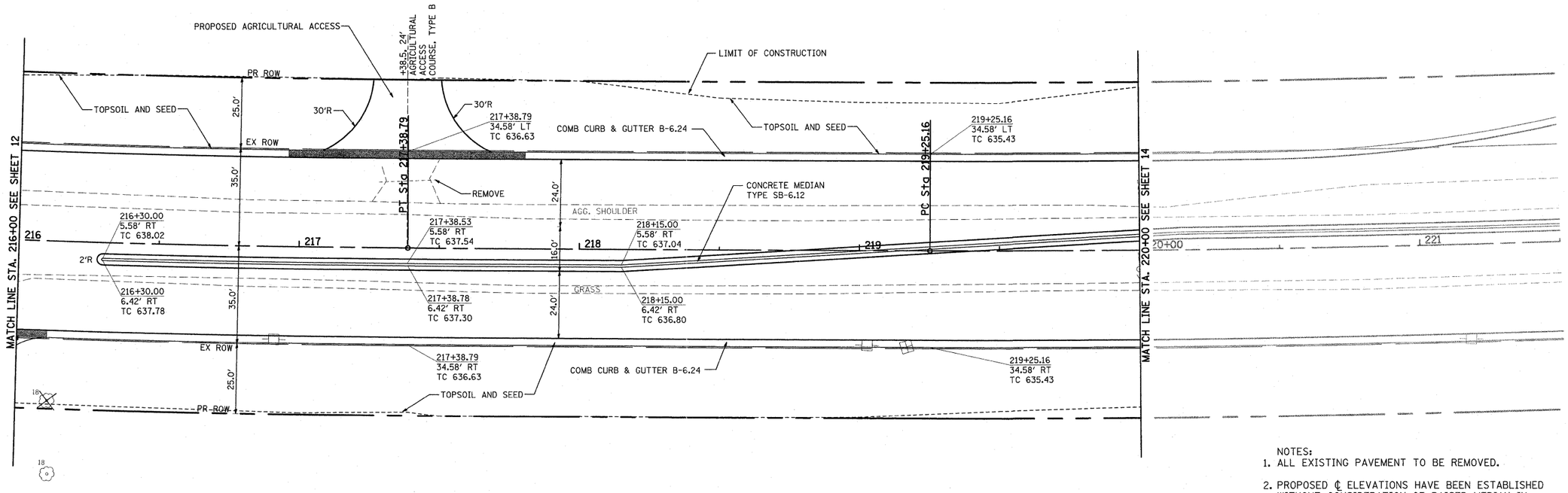
ROADWAY PLAN & PROFILE
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	12

CONTRACT NO. 63671
ILLINOIS FED. AID PROJECT

PLAN: SURVEYED / PLOTTED / ALIGNMENT CHECKED / R.O.W. MAP CHECKED / CADD FILE NAME — NOTE BOOK NO. — BY — DATE

PROFILE: SURVEYED / PLOTTED / PROFILE CHECKED / B.M. NOTED / STRUCTURE NOTATIONS CHKD — NOTE BOOK NO. — BY — DATE



NOTES:

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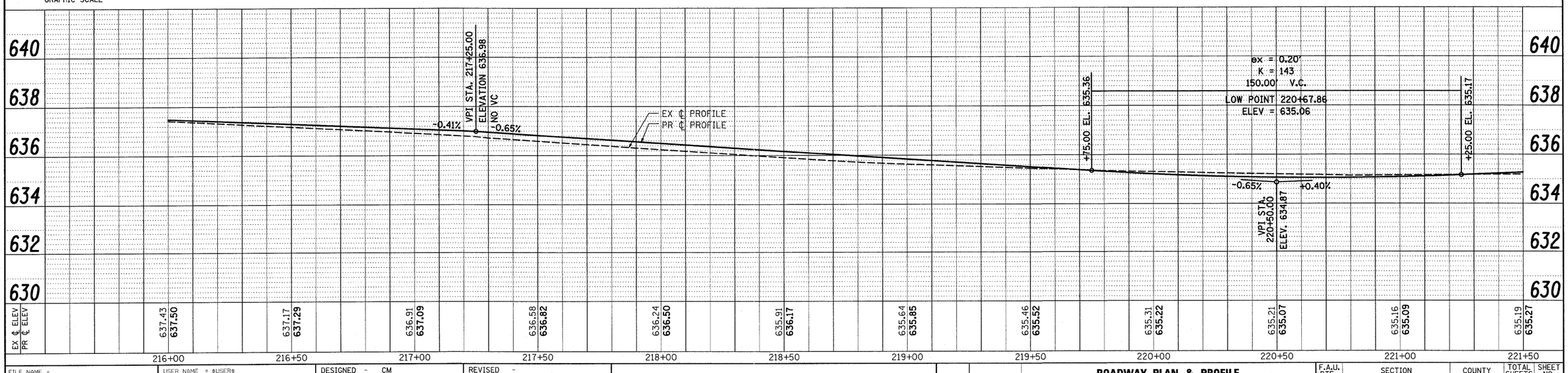
0 20' 40'
GRAPHIC SCALE

PLAINFIELD NAPERVILLE ROAD



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	PLOT DATE = 1/5/2012	DATE - FEBRUARY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

SCALE: 1" = 20'

ROADWAY PLAN & PROFILE

PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SHEET NO. 3 OF 8 SHEETS | STA. 216+00 TO STA. 221+50

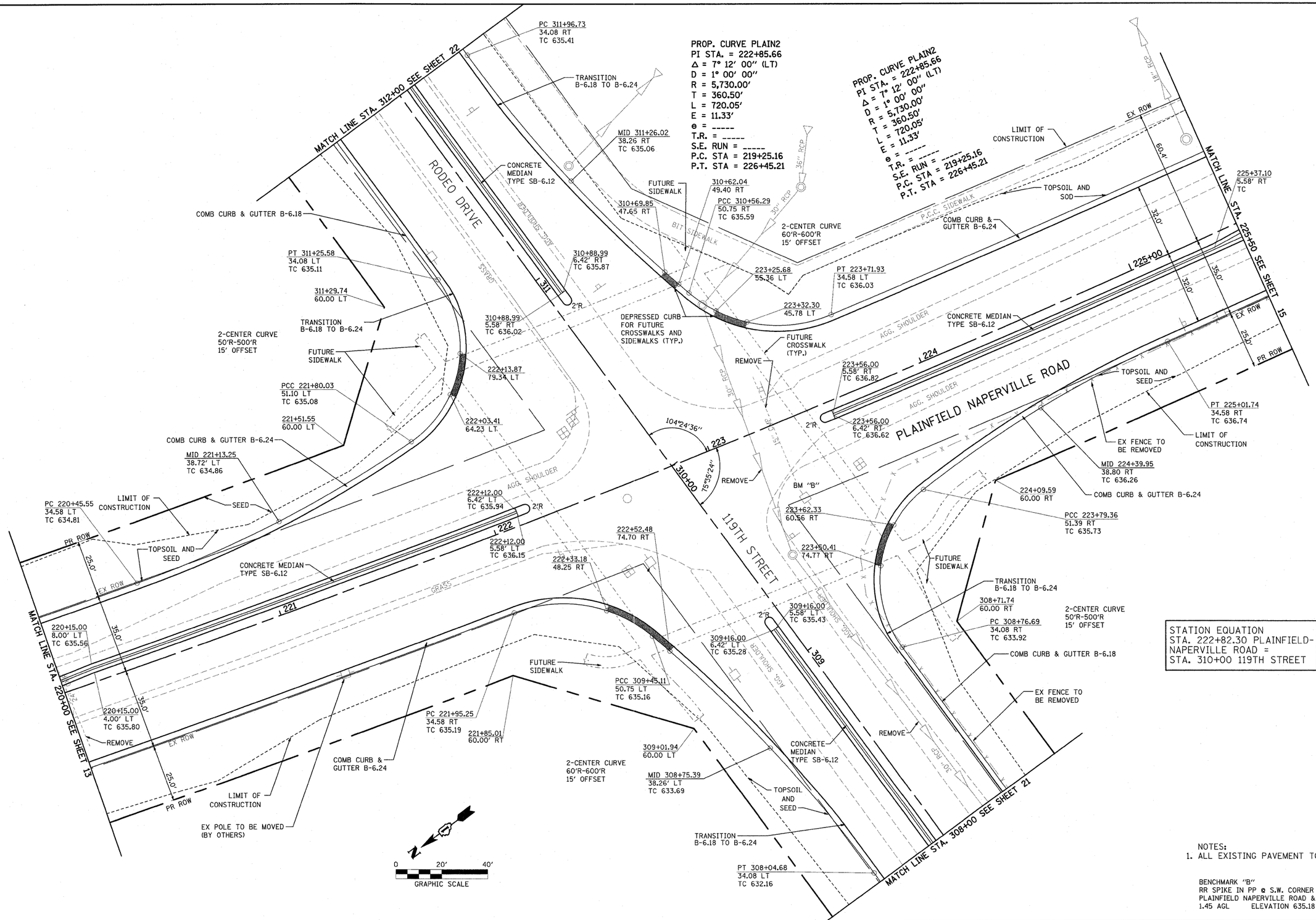
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	13

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATNS CHKRD
NOTE BOOK
NO.
BY
DATE



STATION EQUATION
STA. 222+82.30 PLAINFIELD-NAPERVILLE ROAD =
STA. 310+00 119TH STREET

NOTES:
1. ALL EXISTING PAVEMENT TO BE REMOVED.

BENCHMARK "B"
RR SPIKE IN PP @ S.W. CORNER OF
PLAINFIELD NAPERVILLE ROAD & 119TH ST.
1.45 AGL ELEVATION 635.18

FILE NAME = p:\070116\road\phase 2\dwg\070116-sht-plan-pp04 intersection.dgn	USER NAME = $USER$	DESIGNED - CM	REVISED -
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		DATE - FEBRUARY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

SCALE: 1" = 20'

ROADWAY INTERSECTION PLAN
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

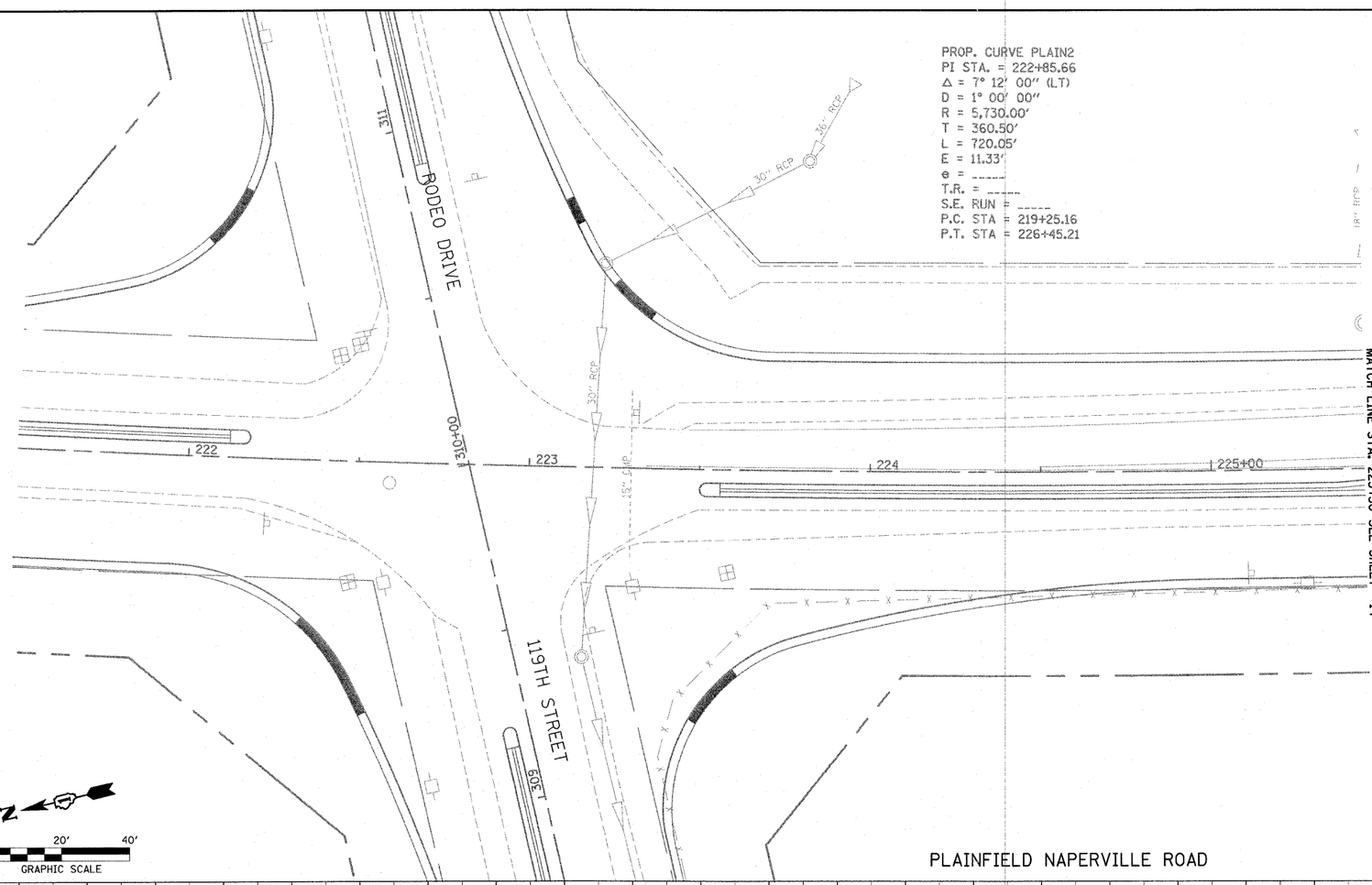
SHEET NO. 4 OF 8 SHEETS STA. 220+00 TO STA. 225+50

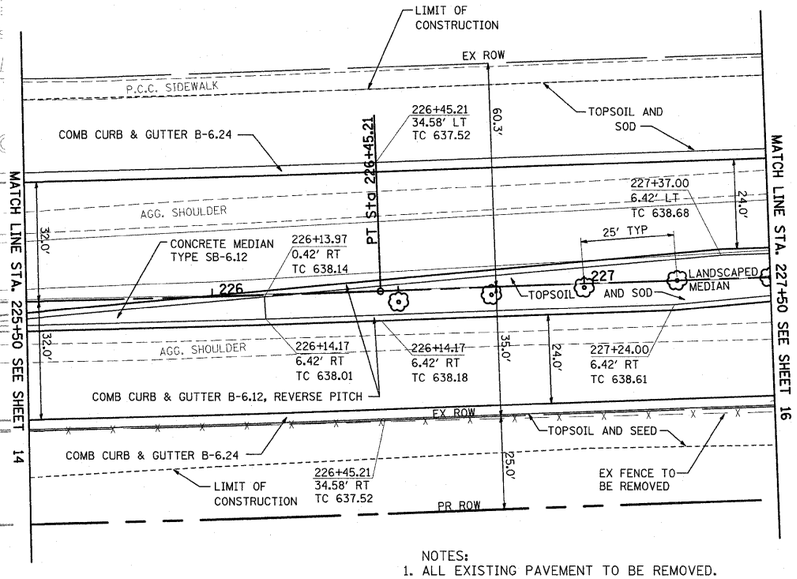
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	14

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT

PROP. CURVE PLAIN2
PI STA. = 222+85.66
Δ = 7° 12′ 00″ (LT)
D = 1° 00′ 00″
R = 5,730.00′
T = 360.50′
L = 720.05′
E = 11.33′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA = 219+25.16
P.T. STA = 226+45.21





NOTES:
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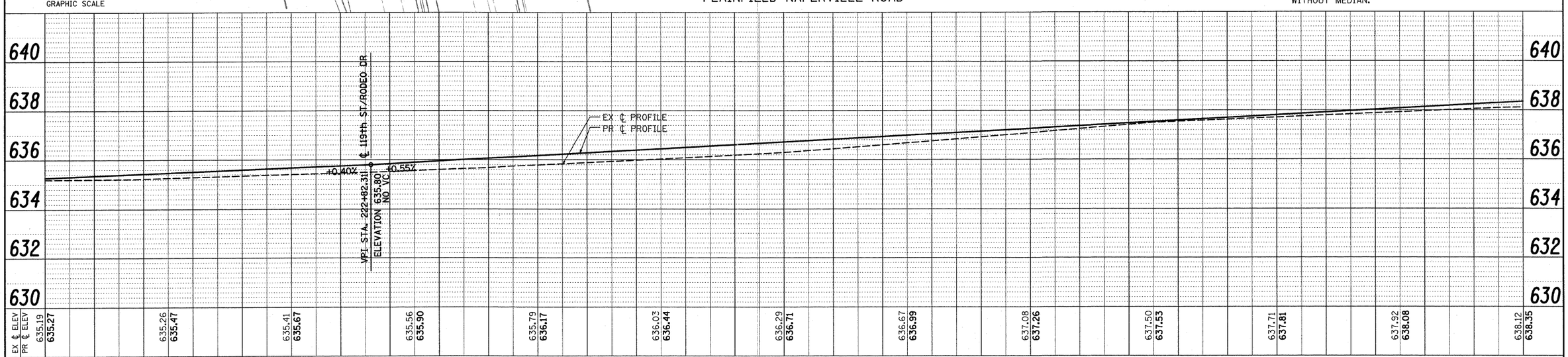

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	PLOT DATE = 1/5/2012	DATE - FEBRUARY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

SCALE: 1″ = 20′

ROADWAY PLAN & PROFILE
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SHEET NO. 5 OF 8 SHEETS | STA. 225+50 TO STA. 227+50

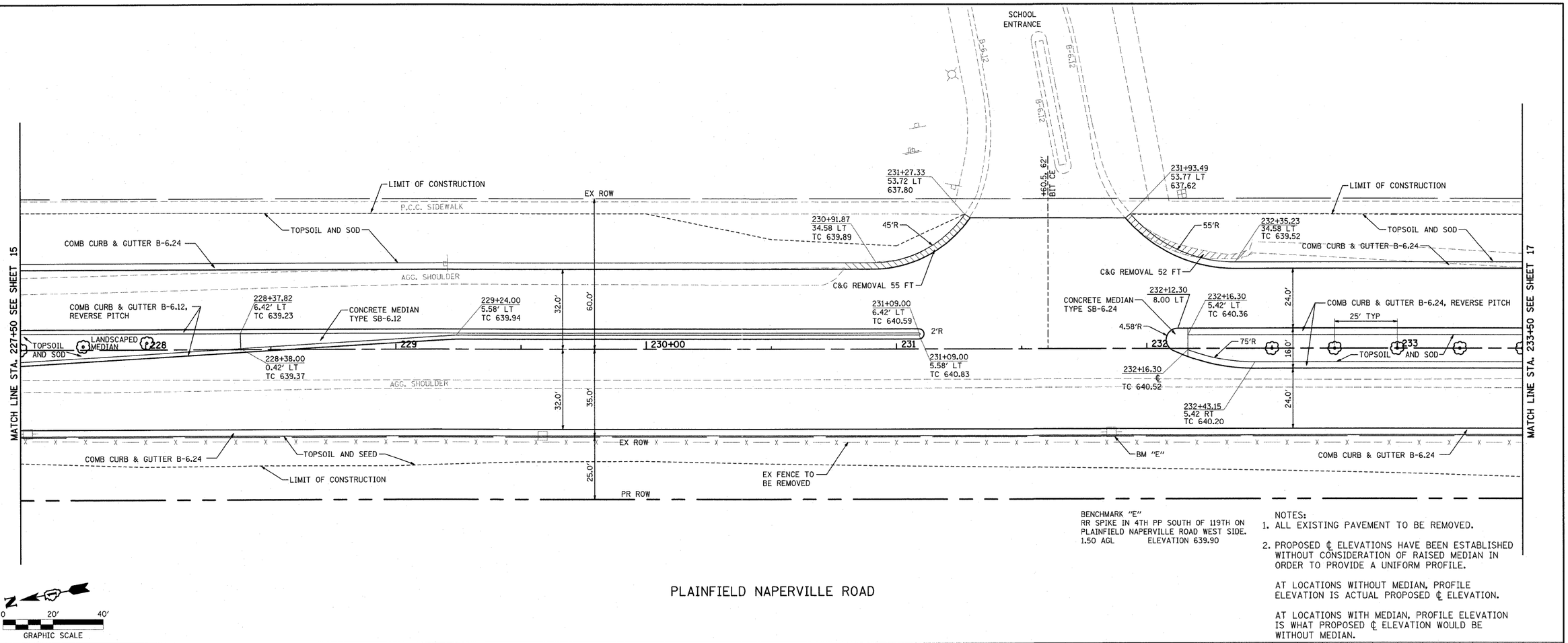
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	15

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
GRADES CHECKED
CADD FILE NAME
NOTE BOOK
NO.
BY
DATE

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
S.N. NOTED
STRUCTURE NOTATIONS CHKD
NOTE BOOK
NO.
BY
DATE



BENCHMARK "E"
RR SPIKE IN 4TH PP SOUTH OF 119TH ON PLAINFIELD NAPERVILLE ROAD WEST SIDE.
1.50 AGL ELEVATION 639.90

NOTES:
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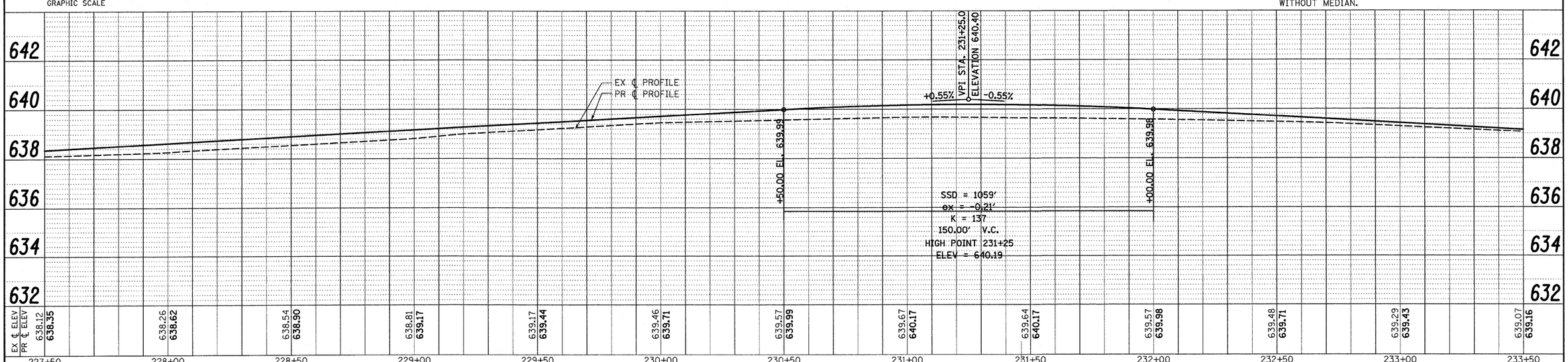
PLAINFIELD NAPERVILLE ROAD

N

0 20' 40'
GRAPHIC SCALE



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR
SCALE: 1" = 20'

ROADWAY PLAN & PROFILE
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR
SHEET NO. 6 OF 8 SHEETS STA. 227+50 TO STA. 233+50

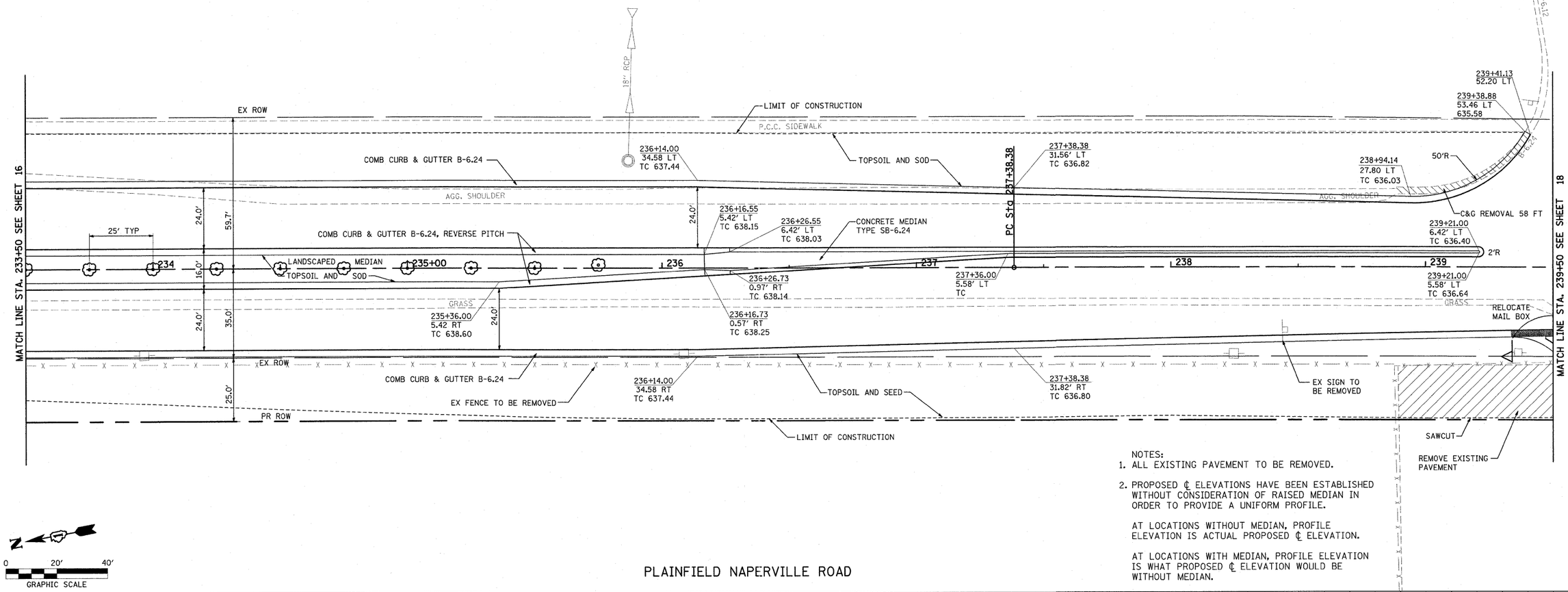
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	16
		CONTRACT NO. 63671		
		ILLINOIS FED. AID PROJECT		

PLAN
SURVEYED DATE
PLOTTED
ALIGNMENT CHECKED
R.O.-OF-WAY CHECKED
NOTE BOOK
NO.
CADD FILE NAME
BY DATE

PROFILE
SURVEYED DATE
PLOTTED
GRADES CHECKED
B.M. NOTED
NOTE BOOK
NO.
STRUCTURE NOTATNS CHK'D
BY DATE

BENCHMARK "H"
"□" ON LIGHT POLE BASE AT NE CORNER OF
FIRST SOUTH ENTRANCE TO PLAINFIELD EAST
HIGH SCHOOL AND NAPERVILLE ROAD BY SCHOOL SIGN.
ELEVATION 637.49

BM "H"



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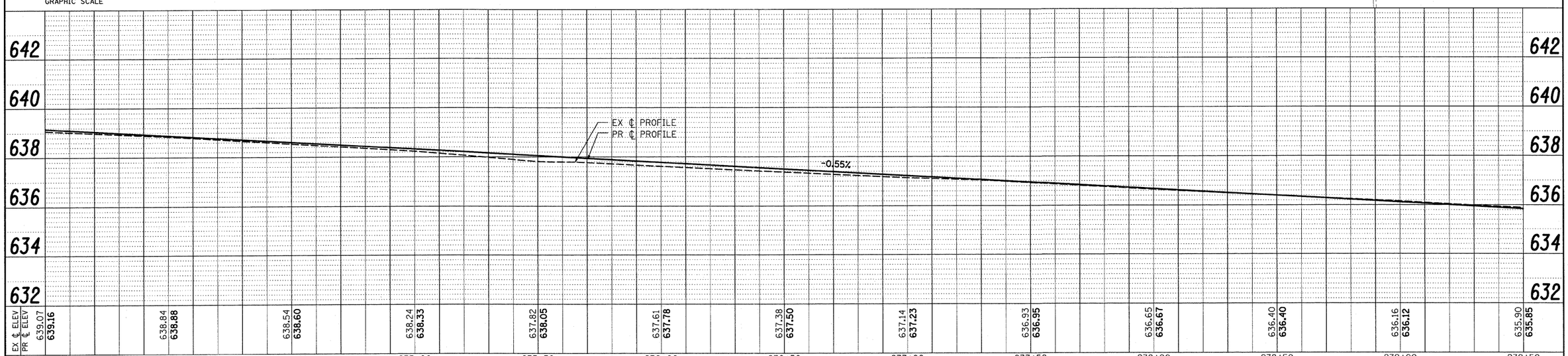
0 20' 40'
GRAPHIC SCALE

PLAINFIELD NAPERVILLE ROAD



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	PLOT DATE = 1/5/2012	DATE - FEBRUARY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

H&LR

SCALE: 1" = 20'

ROADWAY PLAN & PROFILE
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SHEET NO. 7 OF 8 SHEETS | STA. 233+50 TO STA. 239+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	17

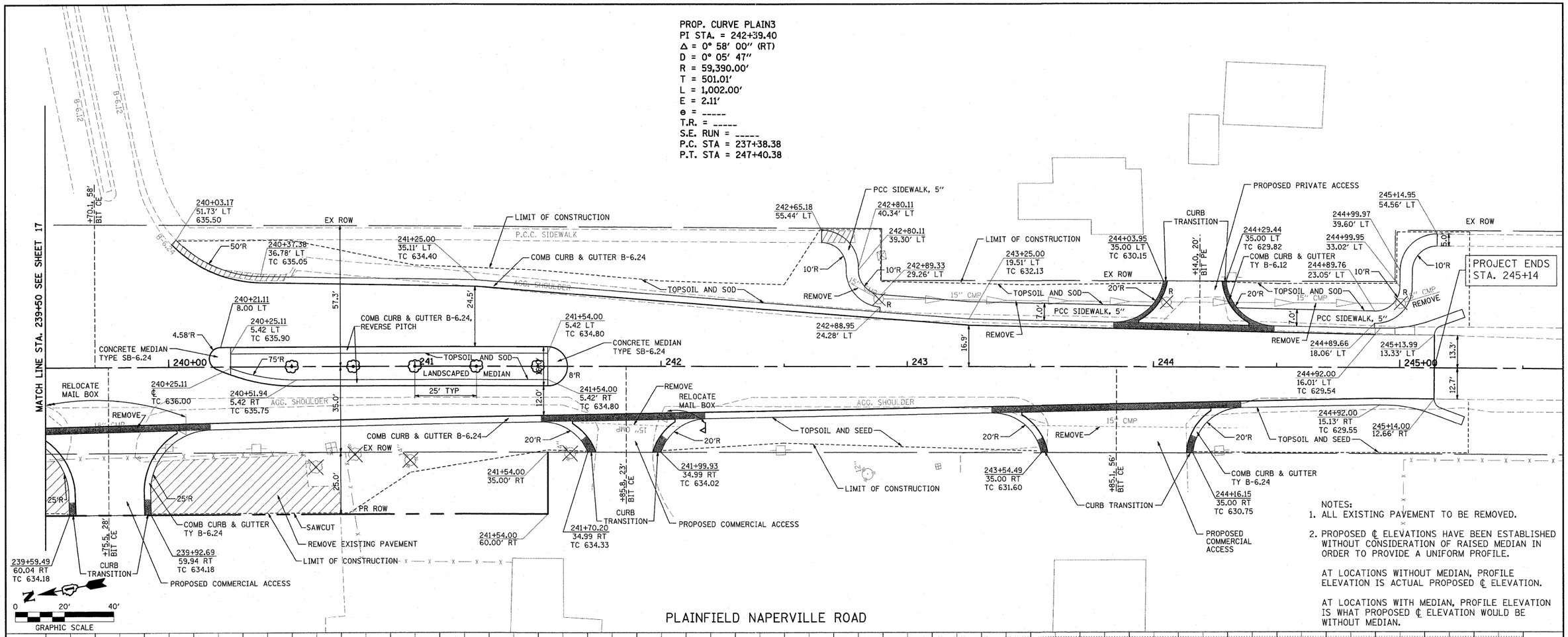
CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT

PLAN
NOTE BOOK NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
BY
DATE

PROFILE
NOTE BOOK NO.
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATIONS CHKD
BY
DATE

PROP. CURVE PLAIN3
PI STA. = 242+39.40
Δ = 0° 58′ 00″ (RT)
D = 0° 05′ 47″
R = 59,390.00′
T = 501.01′
L = 1,002.00′
E = 2.11′
e = -----
T.R. = -----
S.E. RUN = -----
P.C. STA = 237+38.38
P.T. STA = 247+40.38



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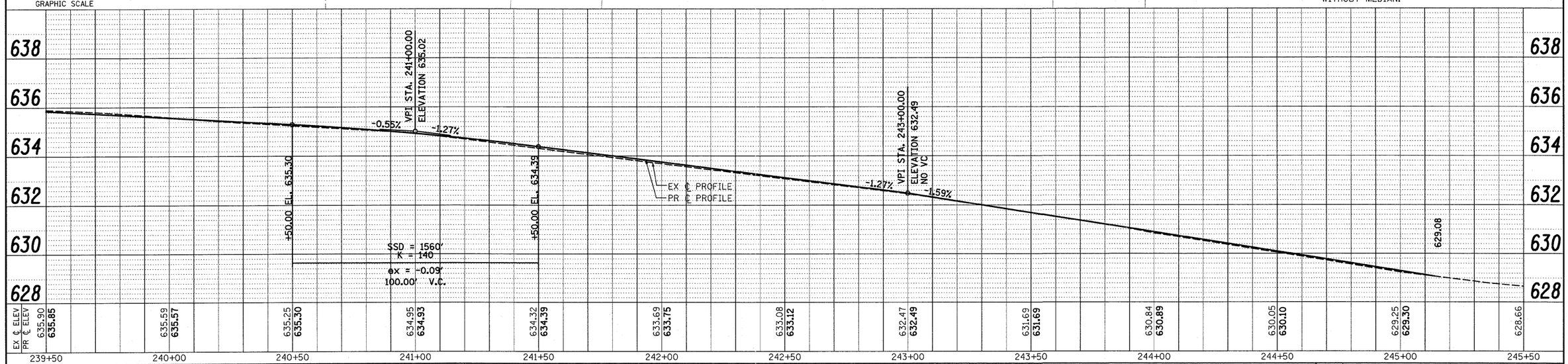

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	PLOT DATE = 1/5/2012	DATE - FEBRUARY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

SCALE: 1″ = 20′

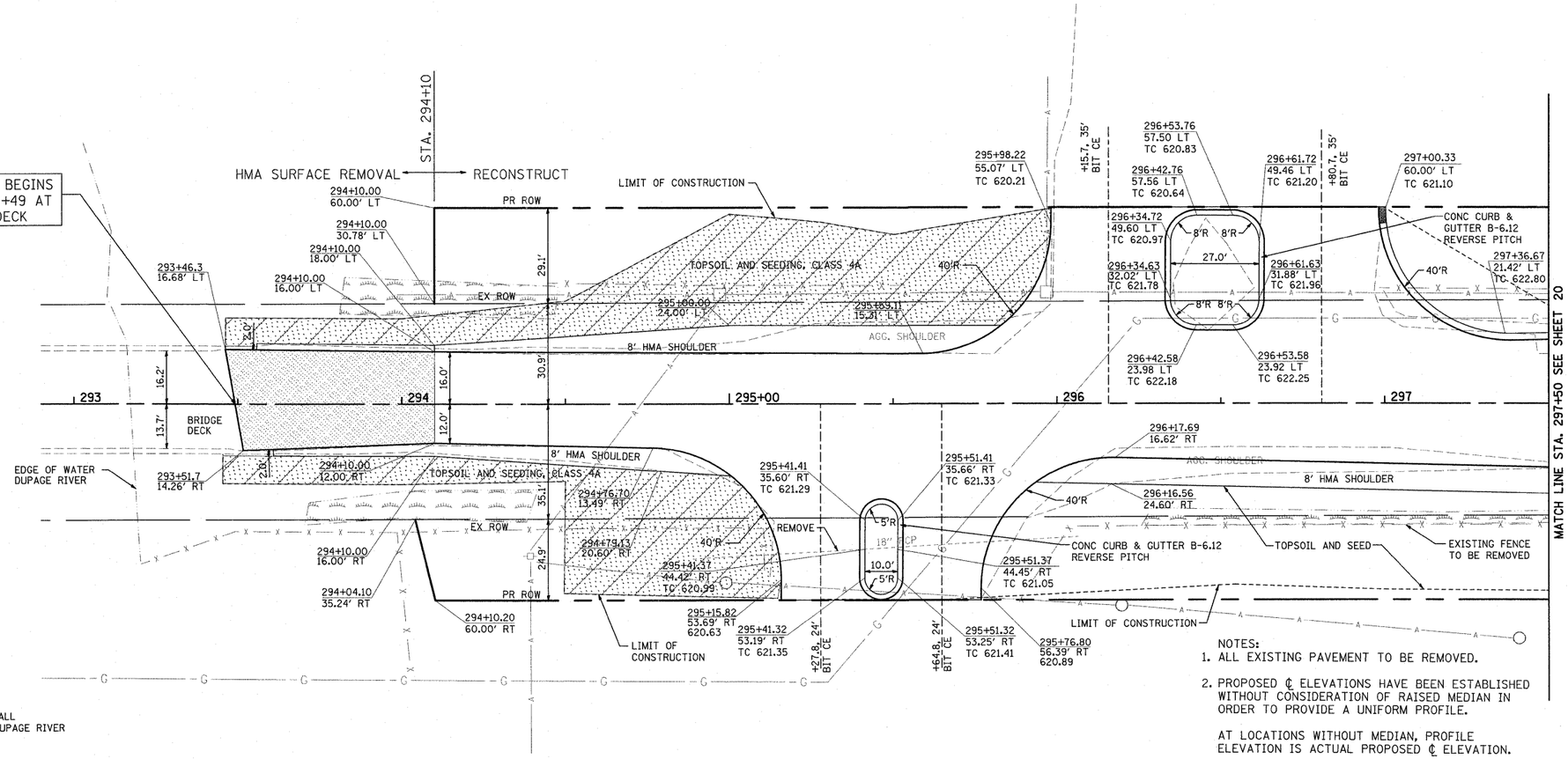
ROADWAY PLAN & PROFILE
PLAINFIELD NAPERVILLE RD AT 119TH ST/RODEO DR

SHEET NO. 8 OF 8 SHEETS | STA. 239+50 TO STA. 245+14

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	18

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



NOTES:
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2. PROPOSED ℄ ELEVATIONS HAVE BEEN ESTABLISHED WITHOUT CONSIDERATION OF RAISED MEDIAN IN ORDER TO PROVIDE A UNIFORM PROFILE.

AT LOCATIONS WITHOUT MEDIAN, PROFILE ELEVATION IS ACTUAL PROPOSED ℄ ELEVATION.

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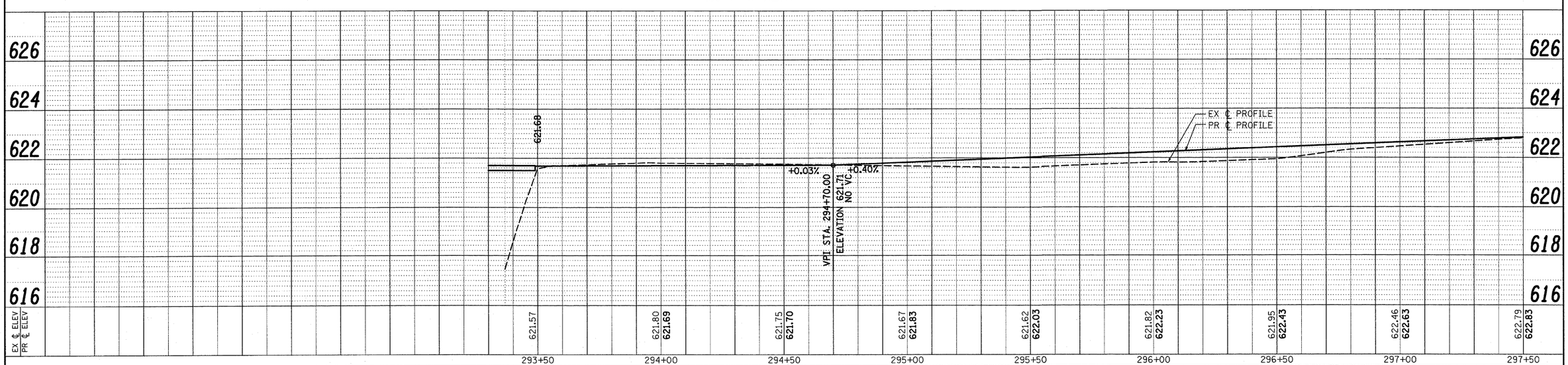
N

0 20' 40'
GRAPHIC SCALE

BENCHMARK #6002
WCHD DISC STAMPED "624.39" ON HEADWALL
IN SW CORNER OF 119TH ST. BRIDGE @ DUPAGE RIVER
ELEVATION 624.39

BENCHMARK #6070
CUT BOX ON SE WINGWALL OF 119TH STREET / RODEO DRIVE
BRIDGE @ DUPAGE RIVER
ELEVATION 623.96

119TH STREET



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	PLOT DATE = 1/5/2012	CHECKED - CM	REVISED -	
		DATE - FEBRUARY 2009	REVISED -	

HLR

SCALE: 1" = 20' | SHEET NO. 1 OF 7 SHEETS | STA. 292+00 TO STA. 297+50

ROADWAY PLAN & PROFILE
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3767	04-00036-22-TL	WILL	152	19

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT

PLAN: SURVEYED ___ PLOTTED ___ ALIGNMENT CHECKED ___ RT. OF WAY CHECKED ___ CADD FILE NAME ___ NOTE BOOK NO. ___ BY ___ DATE ___

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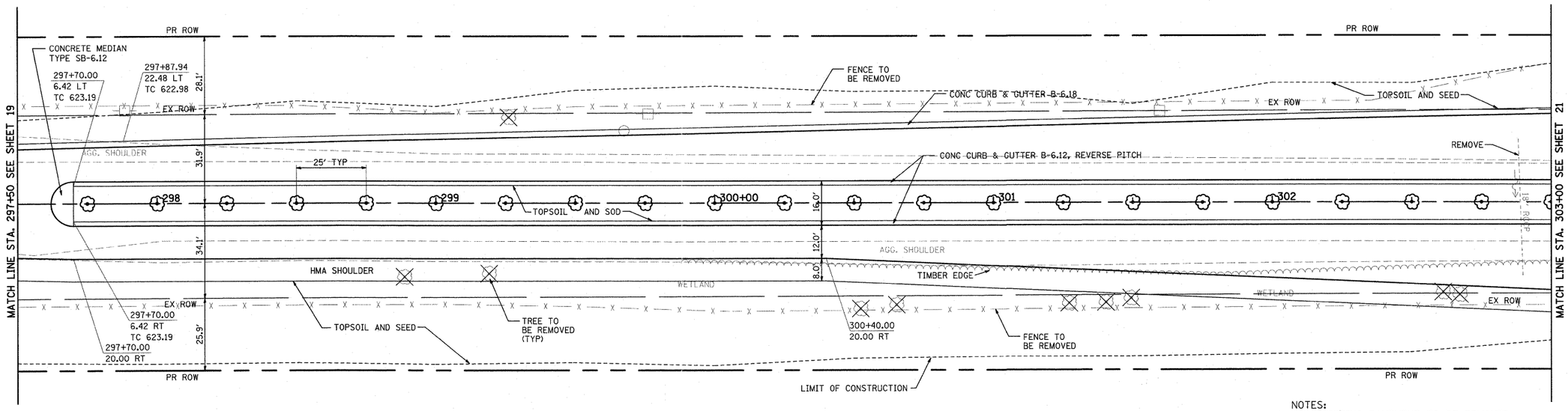

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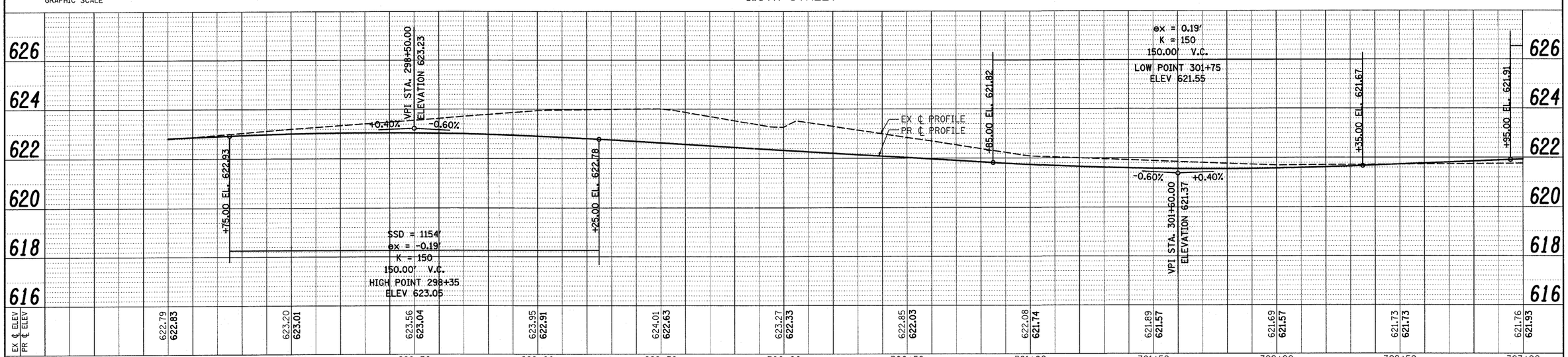
N

0 20' 40'
GRAPHIC SCALE

119TH STREET



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ROADWAY PLAN & PROFILE
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SHEET NO. 2 OF 7 SHEETS | STA. 297+50 TO STA. 303+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3767	04-00036-22-TL	WILL	152	20

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT

PLAN
NOTE BOOK NO. ____
SURVEYED ____
PLOTTED ____
ALIGNMENT CHECKED ____
R.O.W. CHECKED ____
CADD FILE NAME ____
BY | DATE

PROFILE
NOTE BOOK NO. ____
SURVEYED ____
PLOTTED ____
GRADES CHECKED ____
B.M. NOTED ____
STRUCTURE NOTATIONS CHKD ____
BY | DATE

PLAN	BY	DATE
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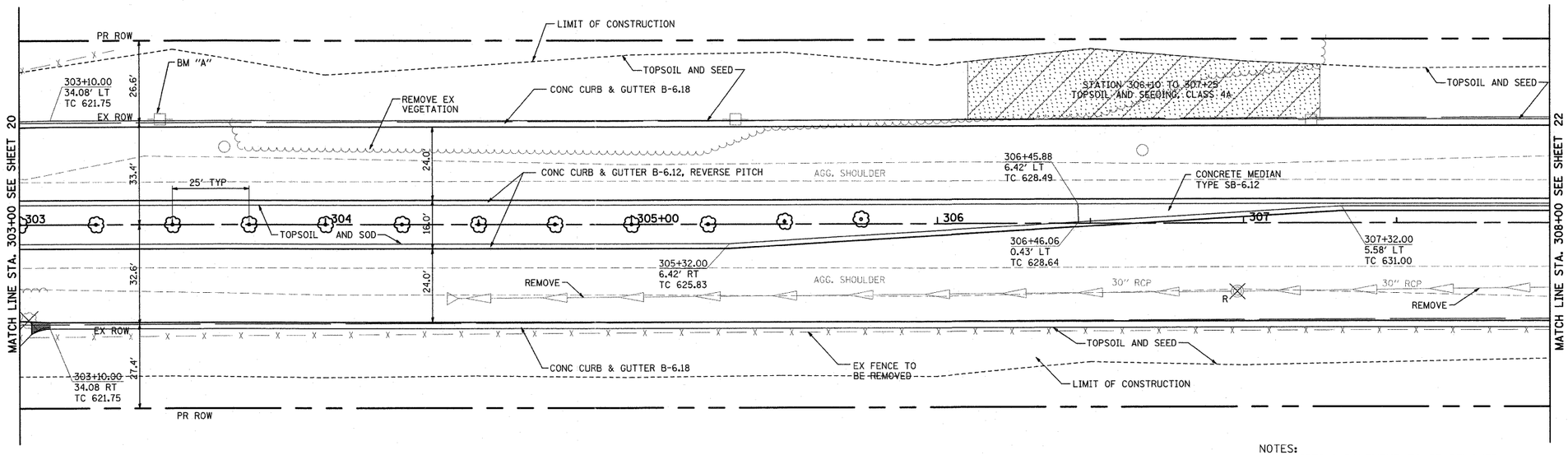
PLOTTED		
ALIGNMENT CHECKED		
R.O.W. CHECKED		
NOTE BOOK		
NO.		
CADD FILE NAME		



N

0 20' 40'
GRAPHIC SCALE

119TH STREET

BENCHMARK "A"
RAILROAD SPIKE IN PP #5 WEST OF
PLAINFIELD NAPERVILLE ROAD ON 119TH STREET
2.2 AGL ELEVATION 622.63

NOTES:
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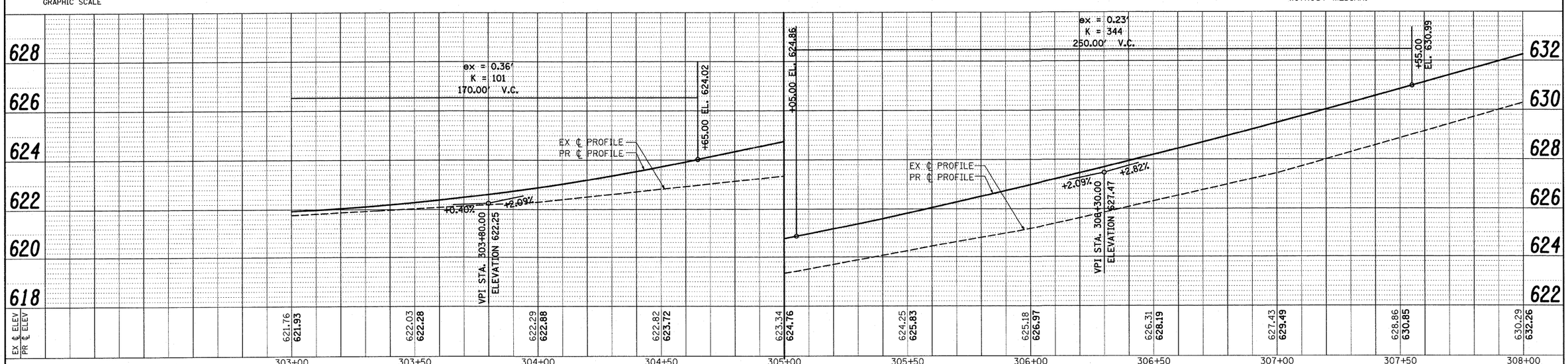
PROFILE	BY	DATE
SURVEYED		
PLOTTED		
GRADES CHECKED		
B.M. NOTED		
NOTE BOOK		
NO.	STRUCTURE NOTATIONS CHKD	



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	PLOT DATE = 1/5/2012	DATE - FEBRUARY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

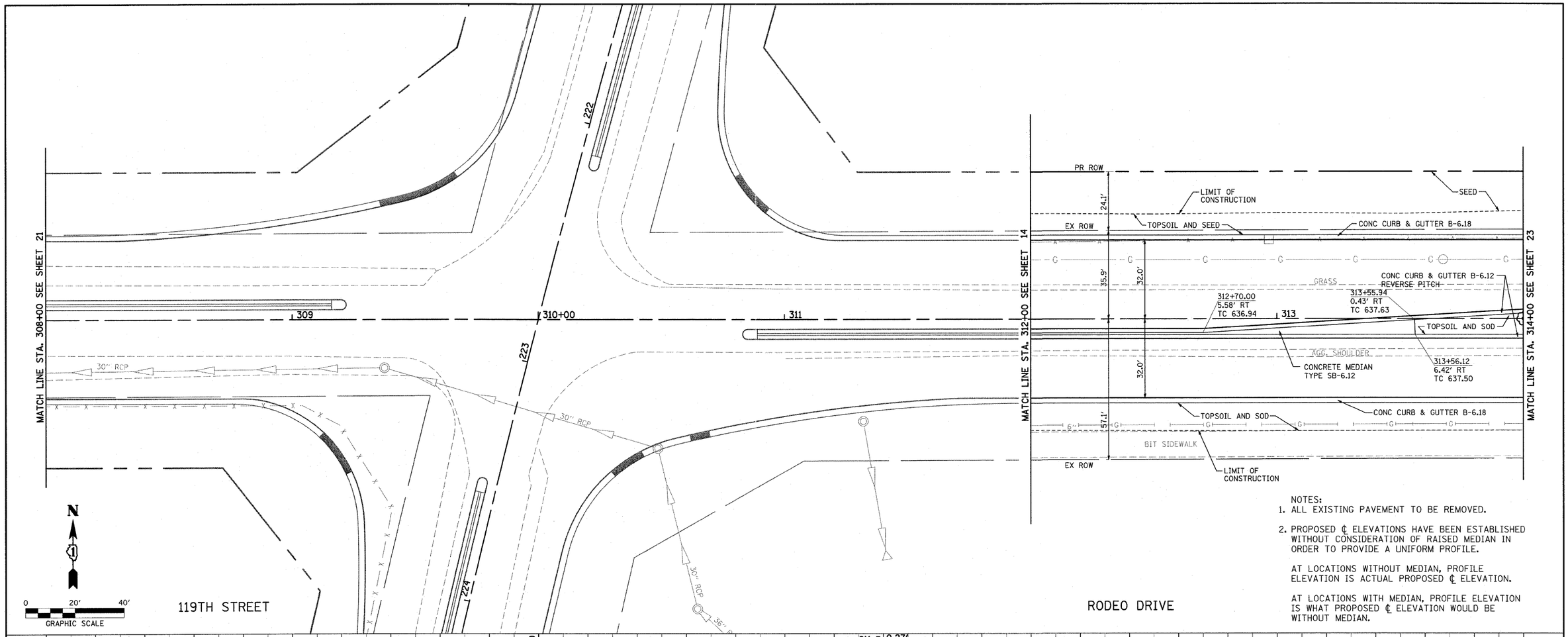
HLR

SCALE: 1" = 20'

ROADWAY PLAN & PROFILE
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SHEET NO. 3 OF 7 SHEETS STA. 303+00 TO STA. 308+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3767	04-00036-22-TL	WILL	152	21
		CONTRACT NO. 63671		
		ILLINOIS FED. AID PROJECT		



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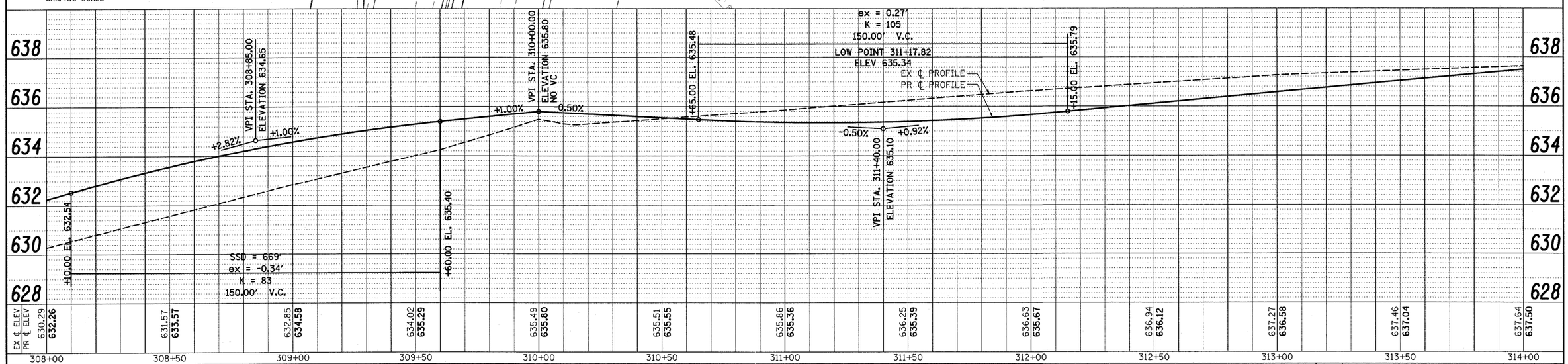

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ROADWAY PLAN & PROFILE

PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SCALE: 1" = 20' | SHEET NO. 4 OF 7 SHEETS | STA. 312+00 TO STA. 314+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3767	04-00036-22-TL	WILL	152	22

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT

PLAN	BY	DATE
SURVEYED		
PLOTTED		
ALIGNMENT CHECKED		
RT. OF WAY CHECKED		
LAND FILE MAKE		
NOTE BOOK NO.		

PROFILE	BY	DATE
SURVEYED		
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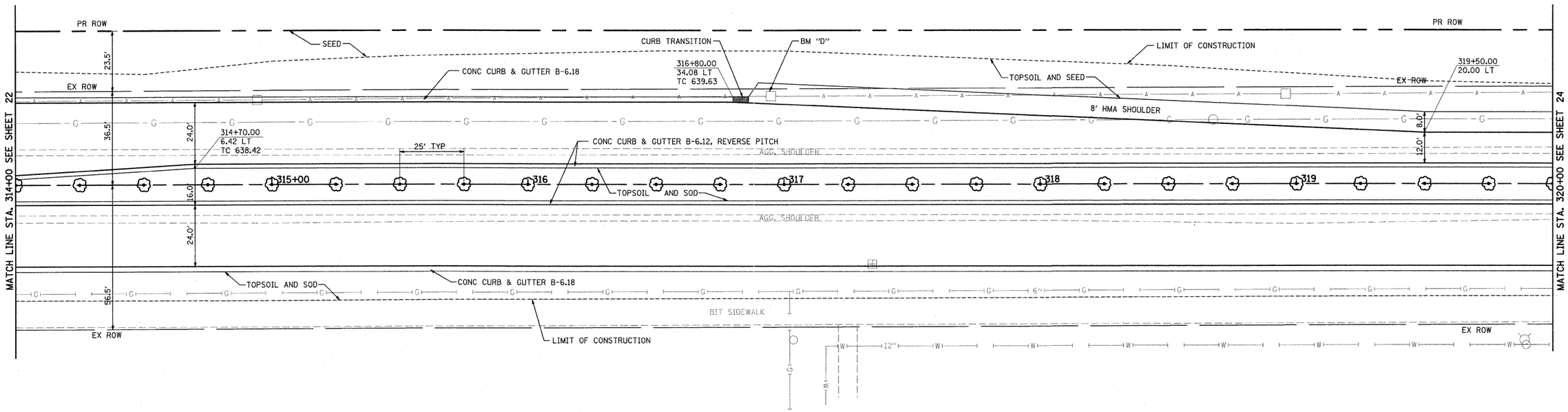
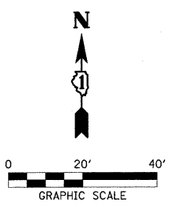
B.M. NOTED		
STRUCTURE NOTATIONS CHKD		
NOTE BOOK NO.		





RODEO DRIVE

NOTES:
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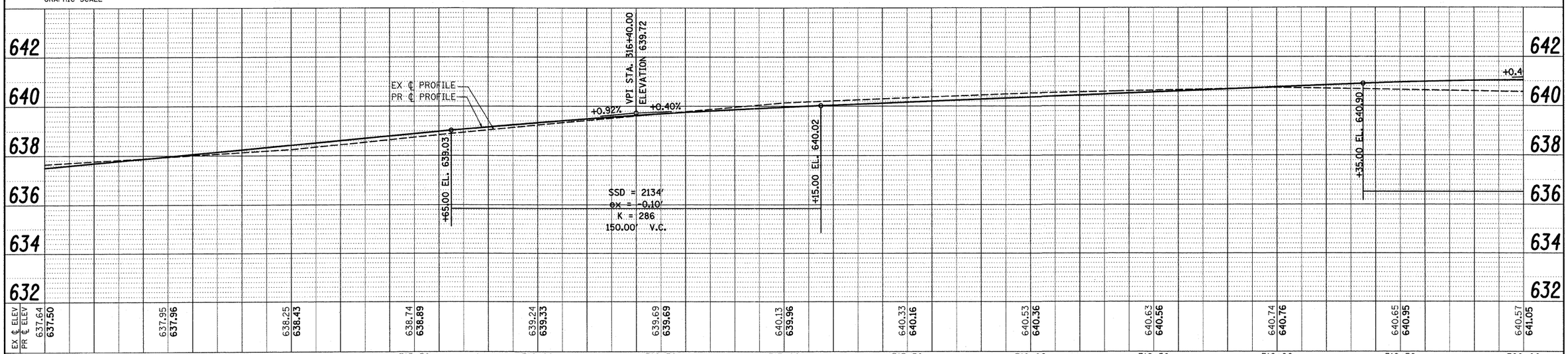
BENCHMARK "D"
RR SPIKE IN 4TH PP EAST OF NAPERVILLE PLAINFIELD ROAD
NORTH SIDE OF 119TH STREET.
1.50 AGL ELEVATION 640.88



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

SCALE: 1" = 20'

ROADWAY PLAN & PROFILE
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SHEET NO. 5 OF 7 SHEETS | STA. 314+00 TO STA. 320+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3767	04-00036-22-TL	WILL	152	23

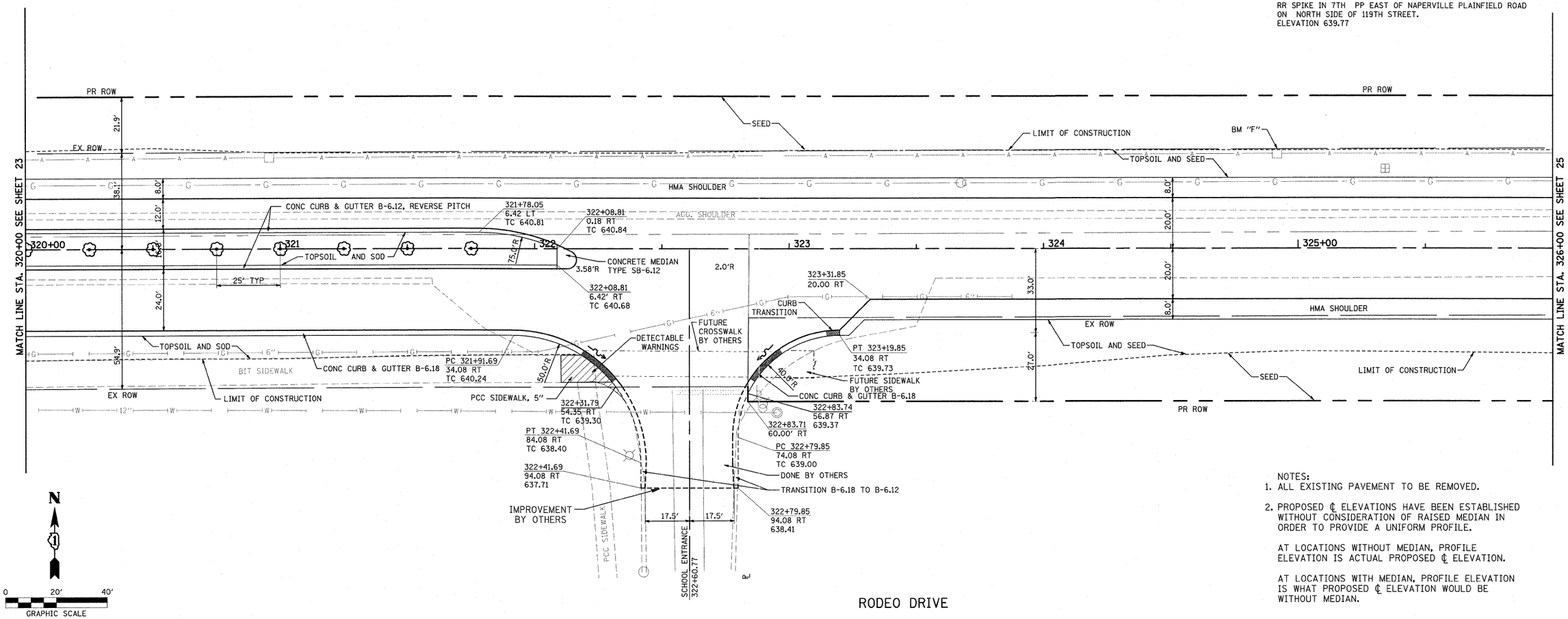
CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT

PLAN
SURVEYED / PLOTTED / ALIGNMENT CHECKED / RT. OF WAY CHECKED / CADD FILE NAME
NOTE BOOK NO.
BY | DATE

PROFILE
SURVEYED / PLOTTED / GRADES CHECKED / B.M. NOTED / STRUCTURE NOTATIONS CHKD
NOTE BOOK NO.
BY | DATE

BENCHMARK "F"
RR SPIKE IN 7TH PP EAST OF NAPERVILLE PLAINFIELD ROAD
ON NORTH SIDE OF 119TH STREET.
ELEVATION 639.77



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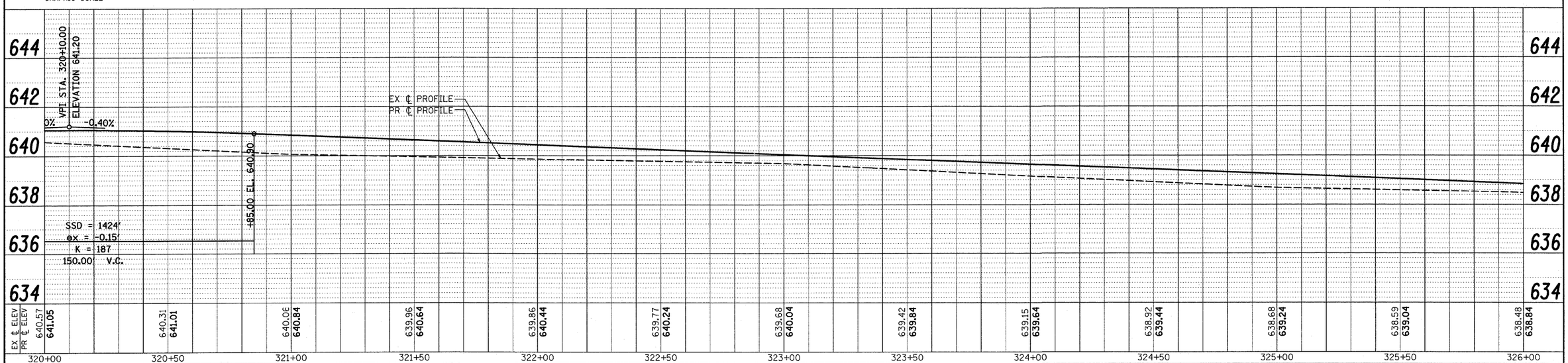

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

H&LR

ROADWAY PLAN & PROFILE
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SCALE: 1" = 20' | SHEET NO. 6 OF 7 SHEETS | STA. 320+00 TO STA. 326+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3767	04-00036-22-TL	WILL	152	24

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT

PLAN: SURVEYED | PLOTTED | ALIGNMENT CHECKED | R/L OF WAY CHECKED | CADD FILE NAME | NOTE BOOK NO. | BY | DATE

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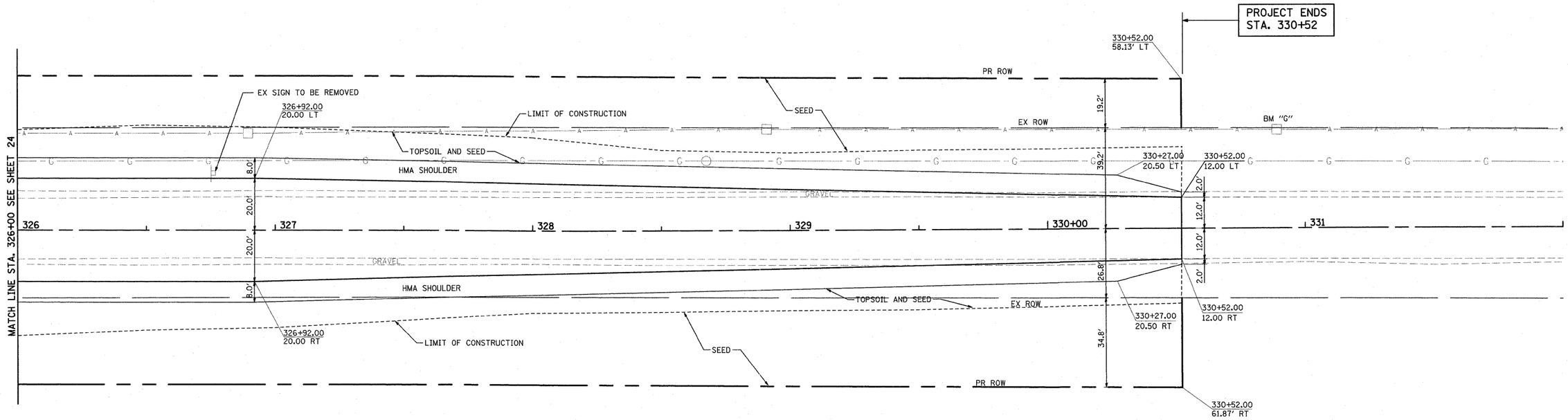

PLAN		BY	DATE
SURVEYED			
PLOTTED			
ALIGNMENT CHECKED			
R/W CHECKED			
NOTE BOOK	CADD FILE NAME		
NO.			

N

0 20' 40'
GRAPHIC SCALE

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RODEO DRIVE

BENCHMARK "G"
RR SPIKE IN 10TH PP EAST OF PLAINFIELD NAPERVILLE ROAD
ON NORTH SIDE OF 119TH STREET
ELEVATION 638.64

PROFILE		BY	DATE
SURVEYED			
PLOTTED			
GRADES CHECKED			
B.M. NOTED			
NOTE BOOK	STRUCTURE NOTATIONS CHK'D		
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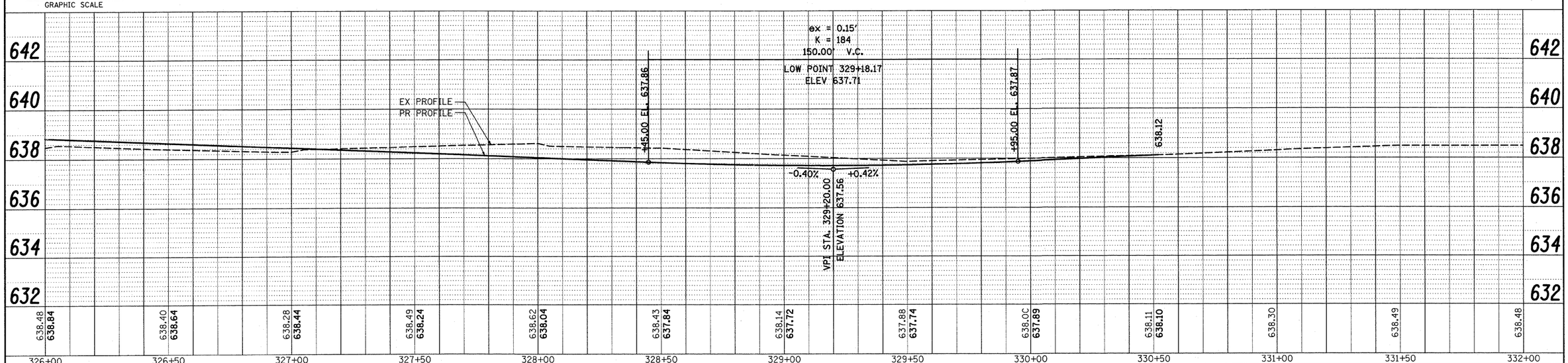

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

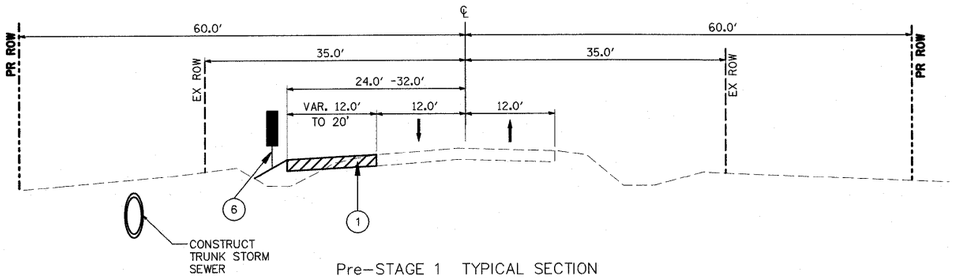
SCALE: 1" = 20' | SHEET NO. 7 OF 7 SHEETS | STA. 326+00 TO STA. 332+00

ROADWAY PLAN & PROFILE
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

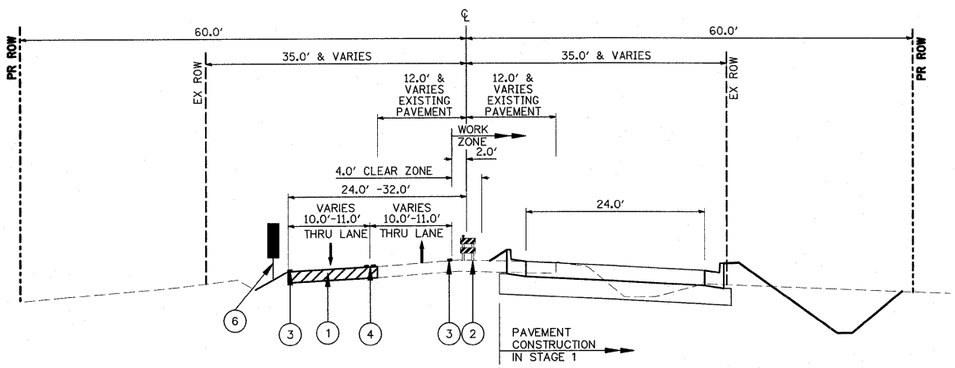
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3767	04-00036-22-TL	WILL	152	25

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



Pre–STAGE 1 TYPICAL SECTION
PLAINFIELD NAPERVILLE ROAD
TEMPORARY PAVEMENT INSTALLATION



STAGE 1 TYPICAL SECTION
PLAINFIELD NAPERVILLE ROAD

PLAINFIELD – NAPERVILLE ROAD

PRE–STAGE 1

1. INSTALL EROSION CONTROL ON EAST SIDE.
2. INSTALL TRUNK STORM SEWER AND CULVERTS AT STA. 220+25.
3. INSTALL STORM SEWER LATERALS AND PAVEMENT PATCHES UNDER TRAFFIC USING FLAGGERS PER STANDARD 701501.
4. INSTALL TEMPORARY PAVEMENT AND TEMPORARY SEEDING ON EAST SIDE UNDER TRAFFIC PER STANDARD 701326.
5. INSTALL STAGE 1 PAVEMENT MARKINGS AND SWITCH TRAFFIC TO TEMPORARY PAVEMENT UNDER TRAFFIC IN ACCORDANCE WITH STANDARD 701501.

STAGE 1

1. INSTALL EROSION CONTROL ON WEST SIDE.
2. EXCAVATE FOR PAVEMENT AND DITCHES ON WEST SIDE.
3. CONSTRUCT AGGREGATE SUBGRADE, CURB AND GUTTER, AND HMA PAVEMENT, TO BINDER COURSE.
4. FINAL GRADE FROM BACK OF CURB TO ROW LINE.
5. INSTALL TOPSOIL AND SEED.
6. INSTALL TEMPORARY PAVEMENT AT NORTH END OF PROJECT.
7. INSTALL STAGE 2 PAVEMENT MARKINGS AND SWITCH TRAFFIC.

STAGE 2

1. EXCAVATE FOR PAVEMENT AND DITCHES ON EAST SIDE.
2. CONSTRUCT AGGREGATE SUBGRADE, CURB AND GUTTER, AND HMA PAVEMENT, TO BINDER COURSE.
3. FINAL GRADE FROM BACK OF CURB TO ROW LINE.
4. INSTALL TOPSOIL AND SEED OR SOD.
5. INSTALL STAGE 3 PAVEMENT MARKINGS AND SWITCH TRAFFIC.
6. REMOVE TEMPORARY PAVEMENT AT ENDS OF PROJECT.

STAGE 3

1. CONSTRUCT AGGREGATE SUBGRADE, CURB AND GUTTER, AND HMA PAVEMENT FOR LEFT TURN LANES AND AT ENDS OF IMPROVEMENT AS NEEDED.
2. FILL IN CURB AND GUTTER GAPS IN MEDIAN.
3. INSTALL TOPSOIL, SOD, AND PLANTINGS IN LANDSCAPED MEDIAN.
4. PLACE HMA SURFACE COURSE.
5. INSTALL FINAL PAVEMENT MARKINGS AND TRAFFIC SIGNALS. STOP BARS AND SIGNAL AHEAD WARNING SIGNS SHALL NOT BE INSTALLED UNTIL THE DAY THE SIGNAL IS ENERGIZED.

CONSTRUCTION STAGING
TRAFFIC CONTROL AND PROTECTION GENERAL NOTES

1. TRAFFIC CONTROL AND PROTECTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, PROJECT SPECIAL PROVISIONS, CONSTRUCTION STAGING PLANS, AND AS DIRECTED BY THE ENGINEER. TRAFFIC CONTROL SHOWN IN THE CONSTRUCTION STAGING PLAN REPRESENTS A GUIDE FOR THE SAFE MANAGEMENT OF TRAFFIC DURING THE EXECUTION OF THE WORK. MODIFICATIONS MAY BE DESIRABLE OR NECESSARY DUE TO LOCAL CONDITIONS AT THE TIME OF CONSTRUCTION. ANY PROPOSED CHANGES BY THE CONTRACTOR TO THESE TRAFFIC CONTROL PLANS SHALL BE APPROVED BY THE ENGINEER PRIOR TO BEING IMPLEMENTED. ANY MODIFICATIONS OR ADDITIONS REQUIRED BY THE ENGINEER WILL BE INCLUDED IN THE COST OF THE APPLICABLE TRAFFIC CONTROL PAY ITEMS.

2. ALL TRAFFIC CONTROL DEVICES REQUIRED FOR THIS CONTRACT WILL BE INCLUDED IN THE COST OF THE APPLICABLE TRAFFIC CONTROL PAY ITEMS. FOR THE PURPOSES OF THIS REQUIREMENT, TRAFFIC CONTROL DEVICES SHALL BE CONSIDERED TO INCLUDE SIGNS AND THEIR MOUNTS, ARROW BOARDS, BARRICADES, PANELS, DRUMS, BARRELS, CONES, LIGHTS, FLAGGERS, SAND BAGS, WEIGHTS, AND ANY OTHER RELATED ITEMS NOT SPECIFICALLY LISTED IN THE SUMMARY OF QUANTITIES.

3. ANY EXISTING PAVEMENT MARKINGS WHICH CONFLICT WITH MARKINGS REQUIRED FOR A GIVEN CONSTRUCTION STAGE SHALL BE REMOVED. ANY PAVEMENT MARKINGS PLACED IN ONE STAGE WHICH CONFLICT WITH THOSE REQUIRED FOR A SUBSEQUENT STAGE SHALL BE REMOVED PRIOR TO THE SUBSEQUENT STAGE.

4. 119TH STREET AND PLAINFIELD-NAPERVILLE ROAD SHALL HAVE A MINIMUM OF ONE LANE OPEN IN EACH DIRECTION DURING NON-WORKING HOURS.

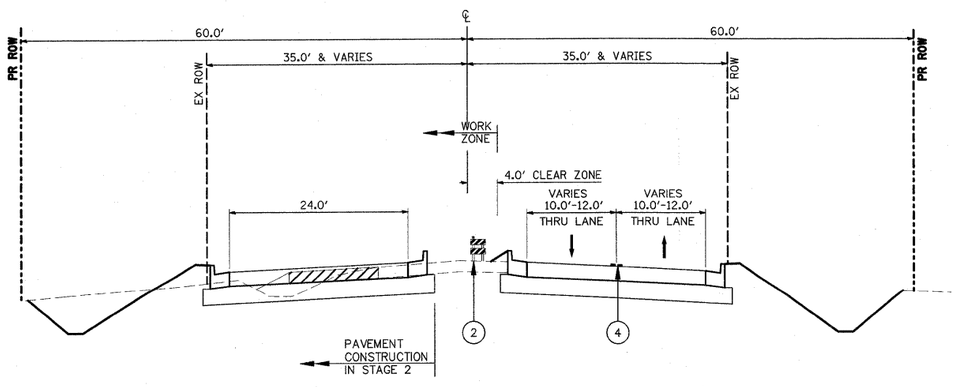
5. ACCESS TO ADJACENT PROPERTIES AND SIDE STREETS SHALL BE MAINTAINED AT ALL TIMES, EXCEPT AS NOTED HEREIN OR PERMITTED BY THE ENGINEER. ANY WORK REQUIRED TO ACCOMPLISH THIS WHICH IS NOT COVERED BY A SPECIFIC PAY ITEM WILL BE INCLUDED IN THE COST OF THE APPLICABLE TRAFFIC CONTROL PAY ITEMS.

6. PERMANENT TRAFFIC SIGNAL WORK MAY PROCEED DURING ANY CONSTRUCTION STAGE IF THAT WORK DOES NOT INTERFERE WITH OTHER WORK REQUIRED IN THAT PARTICULAR STAGE OR SUBSEQUENT STAGES.

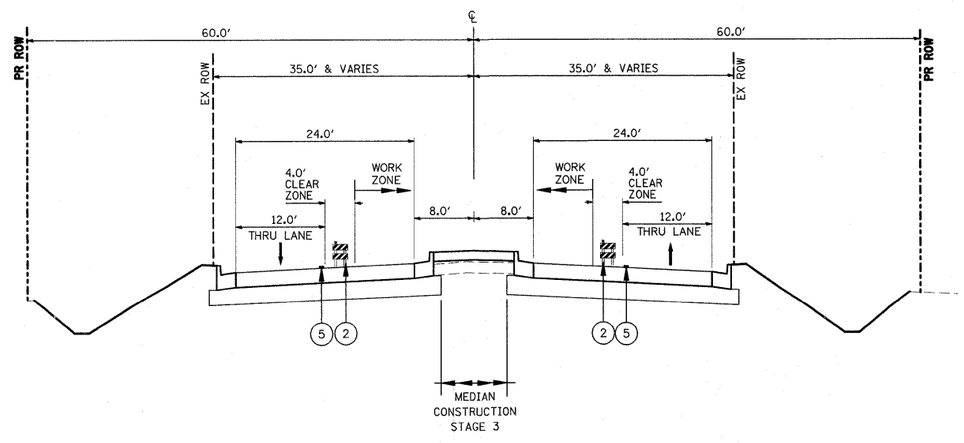
7. TEMPORARY PAVEMENT MARKING APPLIED TO FINAL PAVEMENT SURFACES AND EXISTING PAVEMENT SURFACES TO REMAIN SHALL BE PAVEMENT MARKING TAPE, TYPE III.

8. SEE STANDARD 701006 FOR BARRICADE PLACEMENT AND SIGNING.

9. BOTH 119TH STREET AND PLAINFIELD-NAPERVILLE ROAD SPEED LIMITS SHALL BE POSTED AT 35 MPH THROUGHOUT CONSTRUCTION.



STAGE 2 TYPICAL SECTION
PLAINFIELD NAPERVILLE ROAD



STAGE 3 TYPICAL SECTION
PLAINFIELD NAPERVILLE ROAD

PROPOSED LEGEND

1. TEMPORARY PAVEMENT, 8"
2. TYPE II BARRICADE OR DRUM W/STEADY BURN LIGHT
3. 4" WHITE EDGE LINE
4. 2–4" YELLOW @ 11" C–C
5. 4" YELLOW CENTER LINE
6. TRAFFIC CONTROL DEVICE WITH MONODIRECTIONAL STEADY BURNING LIGHT AT 50′ C–C

0 10′ 20′
GRAPHIC SCALE

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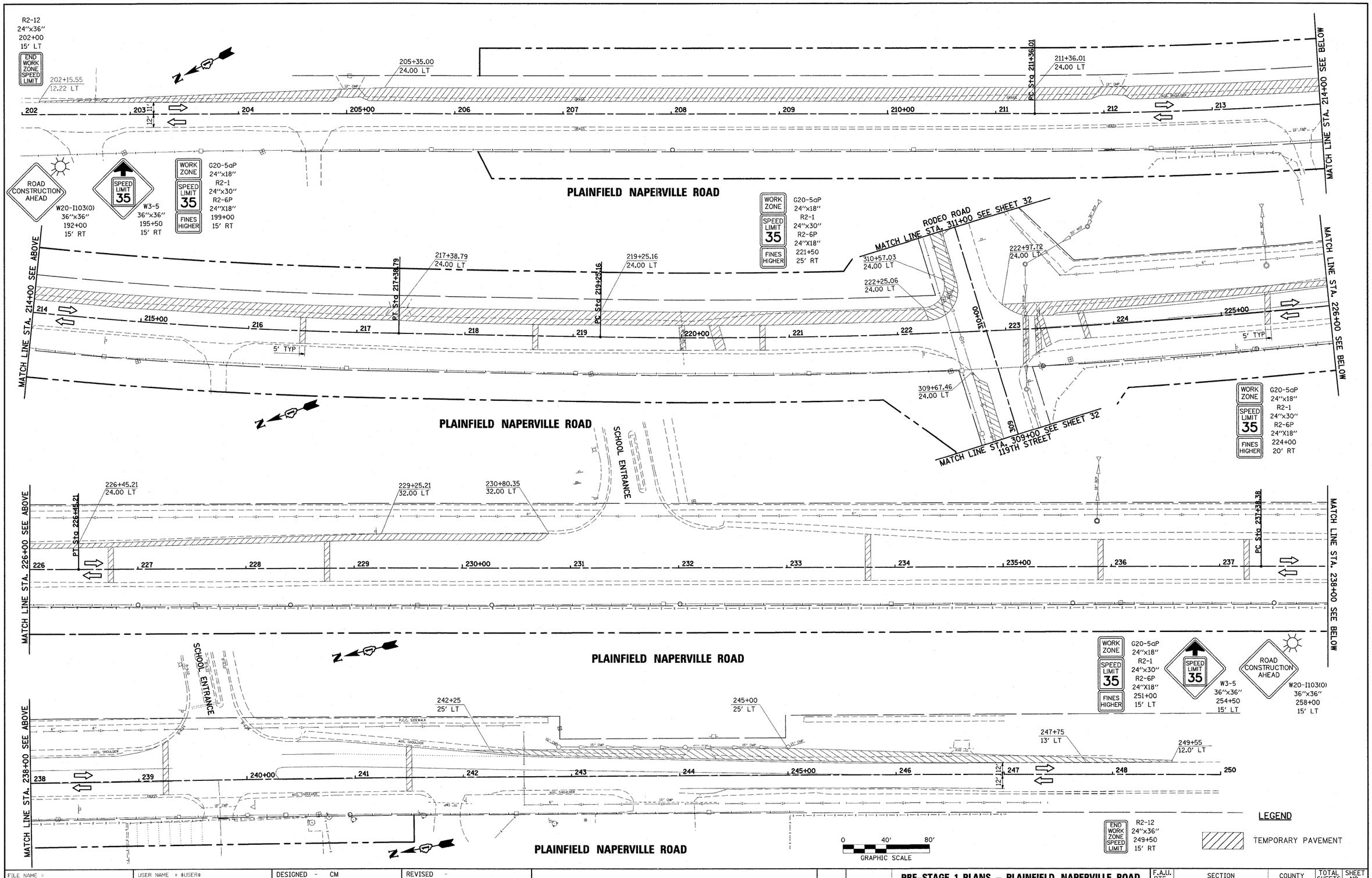
	PLOT DATE = 1/5/2012	CHECKED - CM	REVISED -		
		DATE - FEBRUARY 2009	REVISED -		SCALE: 1" = 20′

STAGING TYPICAL SECTIONS – PLAINFIELD NAPERVILLE RD
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR
SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	26
		CONTRACT NO. 63671		
		ILLINOIS FED. AID PROJECT		



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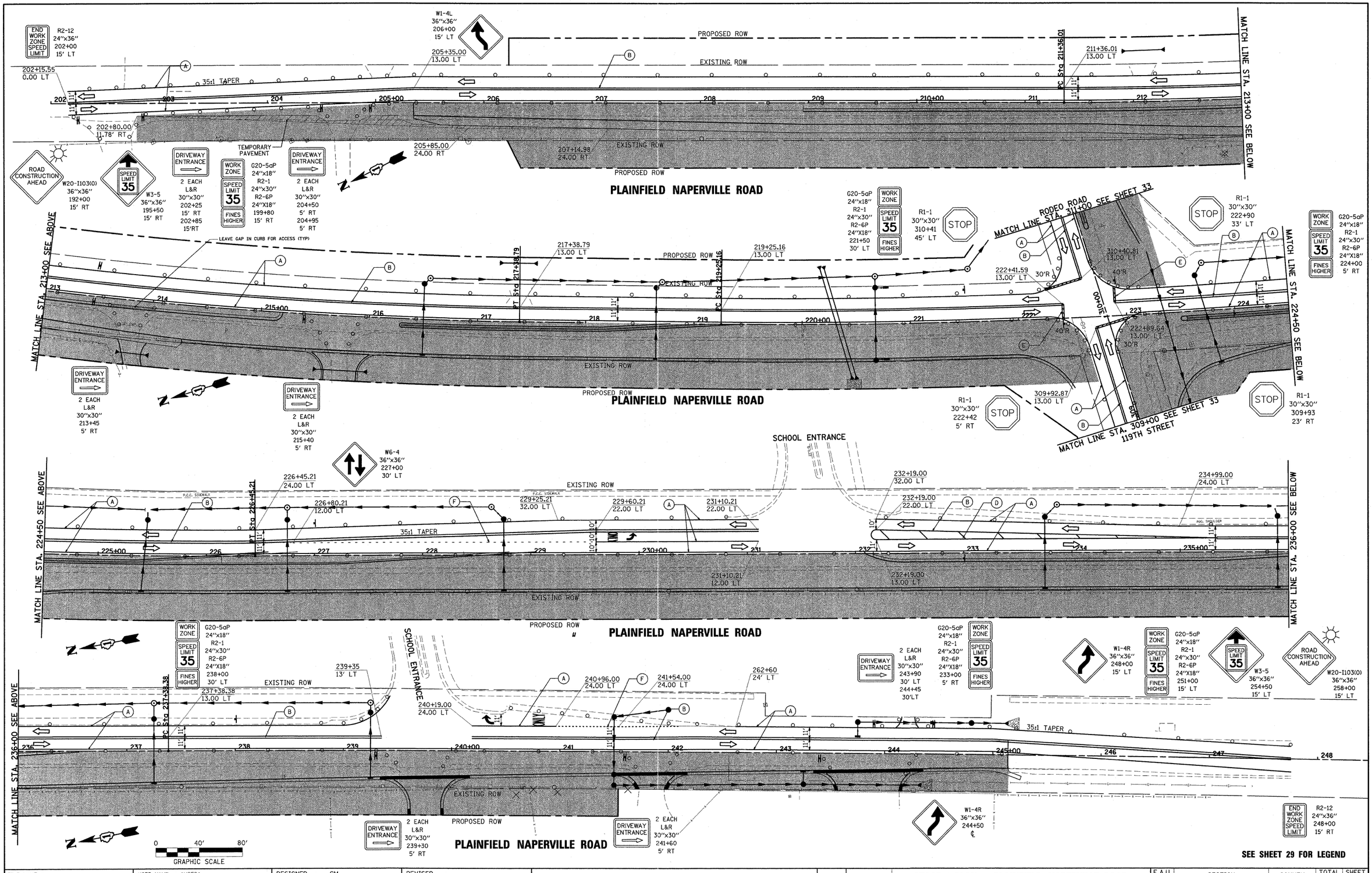
	PLOT SCALE = $SCALE$	DRAWN - JM	REVISED -			PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR	324	04-00036-22-TL	WILL	152	27
	PLOT DATE = 1/5/2012	CHECKED - CM	REVISED -					CONTRACT NO. 63671			
		DATE - FEBRUARY 2009	REVISED -		SCALE: 1" = 40'	SHEET NO. 1 OF 1 SHEETS STA. 202+50 TO STA. 232+00		ILLINOIS FED. AID PROJECT			



SEE SHEET 29 FOR LEGEND

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	PLOT DATE = 1/5/2012	DATE - FEBRUARY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

SCALE: 1" = 40'

STAGE 1 PLAN – PLAINFIELD NAPERVILLE ROAD

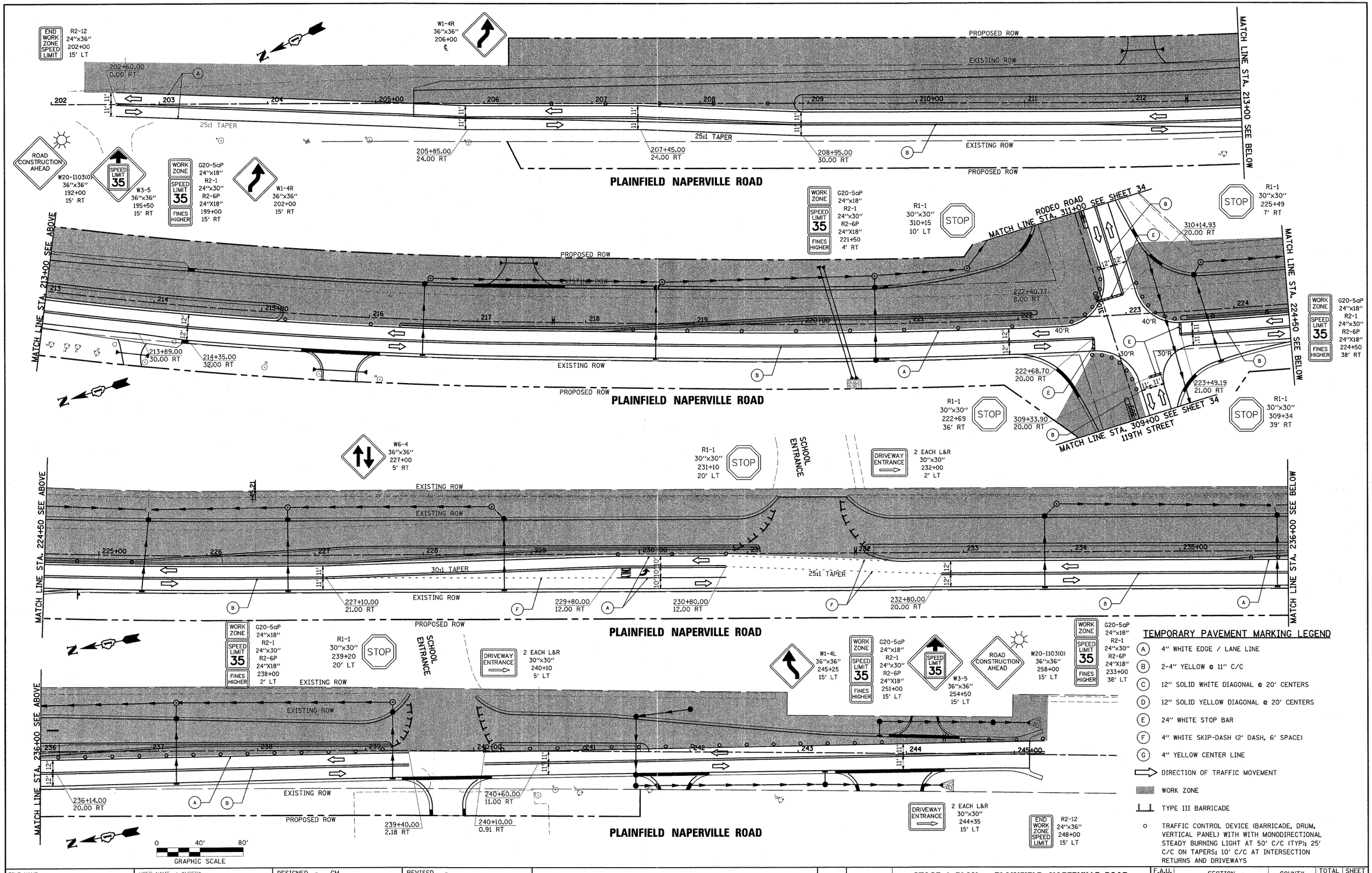
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SHEET NO. 1 OF 1 SHEETS | STA. 202+00 TO STA. 245+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	28

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



TEMPORARY PAVEMENT MARKING LEGEND

- (A) 4" WHITE EDGE / LANE LINE
- (B) 2-4" YELLOW @ 11" C/C
- (C) 12" SOLID WHITE DIAGONAL @ 20' CENTERS
- (D) 12" SOLID YELLOW DIAGONAL @ 20' CENTERS
- (E) 24" WHITE STOP BAR
- (F) 4" WHITE SKIP-DASH (2' DASH, 6' SPACE)
- (G) 4" YELLOW CENTER LINE
- DIRECTION OF TRAFFIC MOVEMENT
- WORK ZONE
- TYPE III BARRICADE
- TRAFFIC CONTROL DEVICE (BARRICADE, DRUM, VERTICAL PANEL) WITH WITH MONODIRECTIONAL STEADY BURNING LIGHT AT 50' C/C (TYP); 25' C/C ON TAPERS; 10' C/C AT INTERSECTION RETURNS AND DRIVEWAYS

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	PLOT DATE = 1/5/2012	DATE - FEBRUARY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

SCALE: 1" = 40'

STAGE 2 PLAN – PLAINFIELD NAPERVILLE ROAD

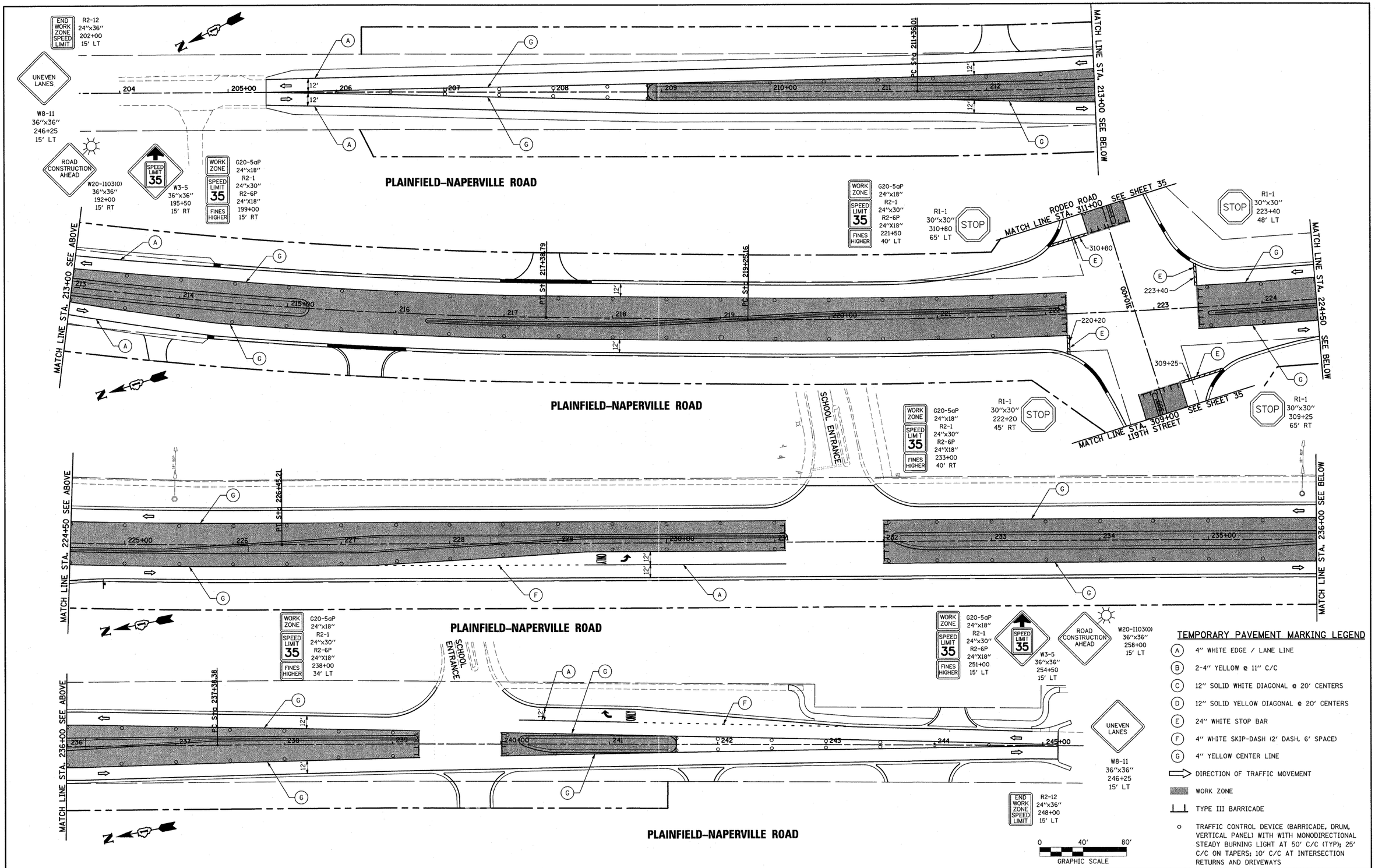
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SHEET NO. 1 OF 1 SHEETS | STA. 202+00 TO STA. 245+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	29

CONTRACT NO. 63671

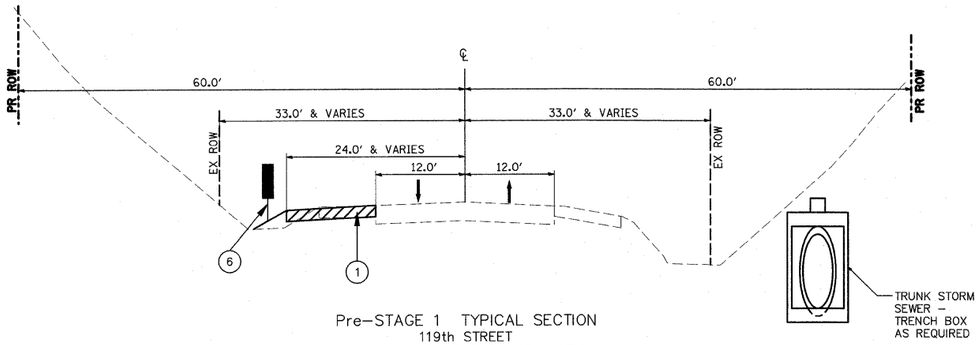
ILLINOIS FED. AID PROJECT



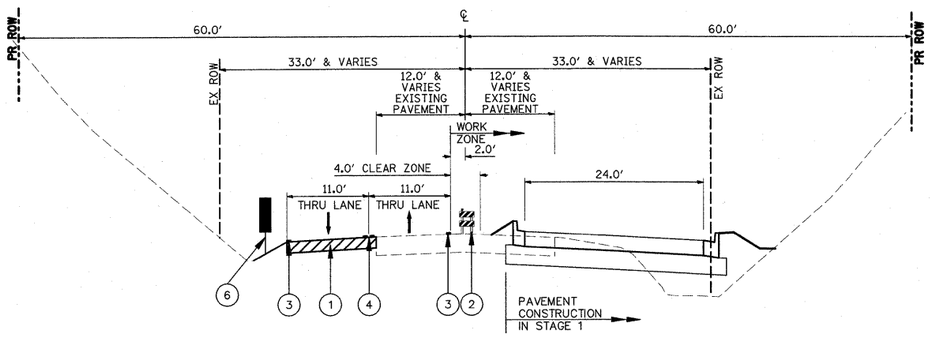
TEMPORARY PAVEMENT MARKING LEGEND

- (A) 4" WHITE EDGE / LANE LINE
- (B) 2-4" YELLOW @ 11" C/C
- (C) 12" SOLID WHITE DIAGONAL @ 20' CENTERS
- (D) 12" SOLID YELLOW DIAGONAL @ 20' CENTERS
- (E) 24" WHITE STOP BAR
- (F) 4" WHITE SKIP-DASH (2' DASH, 6' SPACE)
- (G) 4" YELLOW CENTER LINE
- DIRECTION OF TRAFFIC MOVEMENT
- WORK ZONE
- TYPE III BARRICADE
- TRAFFIC CONTROL DEVICE (BARRICADE, DRUM, VERTICAL PANEL) WITH WITH MONODIRECTIONAL STEADY BURNING LIGHT AT 50' C/C (TYP); 25' C/C ON TAPERS; 10' C/C AT INTERSECTION RETURNS AND DRIVEWAYS

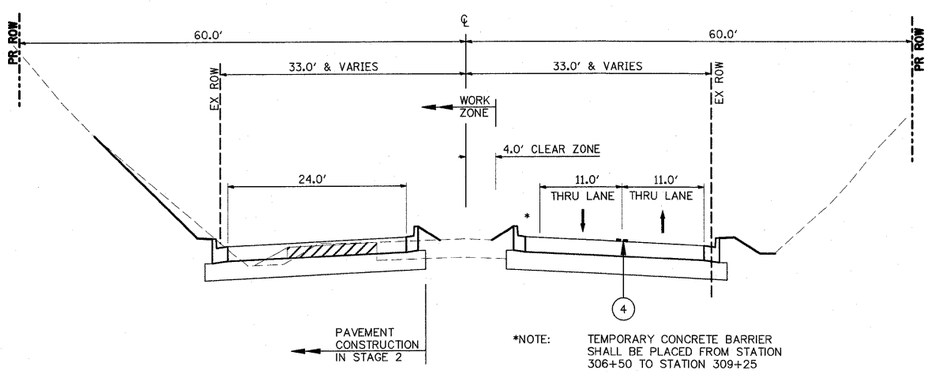
FILE NAME = P:\070116\cad\phase 2\dwg\070116-sht-stage3.dgn	USER NAME = $USER$	DESIGNED - CM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HLR	STAGE 3 PLAN - PLAINFIELD NAPERVILLE ROAD	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - JM	REVISED -			PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR	324	04-00036-22-TL	WILL	152 / 30
	PLOT SCALE = $SCALE$	CHECKED - CM	REVISED -						CONTRACT NO. 63671	
	PLOT DATE = 1/5/2012	DATE - FEBRUARY 2009	REVISED -		SCALE: 1" = 40'	SHEET NO. 1 OF 1 SHEETS STA. 204+50 TO STA. 245+00			ILLINOIS FED. AID PROJECT	



Pre–STAGE 1 TYPICAL SECTION
119th STREET
TEMPORARY PAVEMENT INSTALLATION



STAGE 1 TYPICAL SECTION
119th STREET



*NOTE: TEMPORARY CONCRETE BARRIER SHALL BE PLACED FROM STATION 306+50 TO STATION 309+25

STAGE 2 TYPICAL SECTION
119th STREET

119TH STREET

PRE–STAGE 1

1. INSTALL EROSION CONTROL ON NORTH AND SOUTH SIDES.
2. INSTALL TRUNK STORM SEWER.
3. INSTALL STORM SEWER LATERALS AND PAVEMENT PATCHES UNDER TRAFFIC USING FLAGGERS PER STANDARD 701501.
4. INSTALL TEMPORARY PAVEMENT AND TEMPORARY SEEDING ON NORTH SIDE UNDER TRAFFIC PER STANDARD 701326.
5. INSTALL STAGE 1 PAVEMENT MARKINGS AND SWITCH TRAFFIC TO TEMPORARY PAVEMENT UNDER TRAFFIC IN ACCORDANCE WITH STANDARD 701501.

STAGE 1

1. EXCAVATE FOR PAVEMENT AND DITCHES ON SOUTH SIDE.
2. CONSTRUCT AGGREGATE SUBGRADE, CURB AND GUTTER, AND HMA PAVEMENT TO BINDER COURSE.
3. FINAL GRADE FROM BACK OF CURB TO ROW LINE.
4. INSTALL TOPSOIL AND SEED OR SOD
5. INSTALL TEMPORARY PAVEMENT AT EAST END OF PROJECT.
6. INSTALL STAGE 2 PAVEMENT MARKINGS AND SWITCH TRAFFIC.

STAGE 2

1. EXCAVATE FOR PAVEMENT AND DITCHES ON NORTH SIDE.
2. CONSTRUCT AGGREGATE SUBGRADE, CURB AND GUTTER, AND HMA PAVEMENT TO BINDER COURSE.
3. FINAL GRADE FROM BACK OF CURB TO ROW LINE.
4. INSTALL TOPSOIL AND SEED.
5. INSTALL STAGE 3 PAVEMENT MARKINGS AND SWITCH TRAFFIC.
6. REMOVE TEMPORARY PAVEMENT AT END OF PROJECT.

STAGE 3

1. CONSTRUCT AGGREGATE SUBGRADE, CURB AND GUTTER, AND HMA PAVEMENT FOR LEFT TURN LANES AND AT ENDS OF IMPROVEMENT AS NEEDED.
2. FILL IN CURB AND GUTTER GAPS IN MEDIAN.
3. INSTALL TOPSOIL, SOD, AND PLANTINGS IN LANDSCAPED MEDIAN.
4. PLACE HMA SURFACE COURSE.
5. INSTALL FINAL PAVEMENT MARKINGS AND TRAFFIC SIGNALS. STOP BARS AND SIGNAL AHEAD WARNING SIGNS SHALL NOT BE INSTALLED UNTIL THE DAY THE SIGNAL IS ENERGIZED.

CONSTRUCTION STAGING
TRAFFIC CONTROL AND PROTECTION GENERAL NOTES

1. TRAFFIC CONTROL AND PROTECTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, PROJECT SPECIAL PROVISIONS, CONSTRUCTION STAGING PLANS, AND AS DIRECTED BY THE ENGINEER. TRAFFIC CONTROL SHOWN IN THE CONSTRUCTION STAGING PLAN REPRESENTS A GUIDE FOR THE SAFE MANAGEMENT OF TRAFFIC DURING THE EXECUTION OF THE WORK. MODIFICATIONS MAY BE DESIRABLE OR NECESSARY DUE TO LOCAL CONDITIONS AT THE TIME OF CONSTRUCTION. ANY PROPOSED CHANGES BY THE CONTRACTOR TO THESE TRAFFIC CONTROL PLANS SHALL BE APPROVED BY THE ENGINEER PRIOR TO BEING IMPLEMENTED. ANY MODIFICATIONS OR ADDITIONS REQUIRED BY THE ENGINEER WILL BE INCLUDED IN THE COST OF THE APPLICABLE TRAFFIC CONTROL PAY ITEMS.

2. ALL TRAFFIC CONTROL DEVICES REQUIRED FOR THIS CONTRACT WILL BE INCLUDED IN THE COST OF THE APPLICABLE TRAFFIC CONTROL PAY ITEMS. FOR THE PURPOSES OF THIS REQUIREMENT, TRAFFIC CONTROL DEVICES SHALL BE CONSIDERED TO INCLUDE SIGNS AND THEIR MOUNTS, ARROW BOARDS, BARRICADES, PANELS, DRUMS, BARRELS, CONES, LIGHTS, FLAGGERS, SAND BAGS, WEIGHTS, AND ANY OTHER RELATED ITEMS NOT SPECIFICALLY LISTED IN THE SUMMARY OF QUANTITIES.

3. ANY EXISTING PAVEMENT MARKINGS WHICH CONFLICT WITH MARKINGS REQUIRED FOR A GIVEN CONSTRUCTION STAGE SHALL BE REMOVED. ANY PAVEMENT MARKINGS PLACED IN ONE STAGE WHICH CONFLICT WITH THOSE REQUIRED FOR A SUBSEQUENT STAGE SHALL BE REMOVED PRIOR TO THE SUBSEQUENT STAGE.

4. 119TH STREET AND PLAINFIELD-NAPERVILLE ROAD SHALL HAVE A MINIMUM OF ONE LANE OPEN IN EACH DIRECTION DURING NON-WORKING HOURS.

5. ACCESS TO ADJACENT PROPERTIES AND SIDE STREETS SHALL BE MAINTAINED AT ALL TIMES, EXCEPT AS NOTED HEREIN OR PERMITTED BY THE ENGINEER. ANY WORK REQUIRED TO ACCOMPLISH THIS WHICH IS NOT COVERED BY A SPECIFIC PAY ITEM WILL BE INCLUDED IN THE COST OF THE APPLICABLE TRAFFIC CONTROL PAY ITEMS.

6. PERMANENT TRAFFIC SIGNAL WORK MAY PROCEED DURING ANY CONSTRUCTION STAGE IF THAT WORK DOES NOT INTERFERE WITH OTHER WORK REQUIRED IN THAT PARTICULAR STAGE OR SUBSEQUENT STAGES.

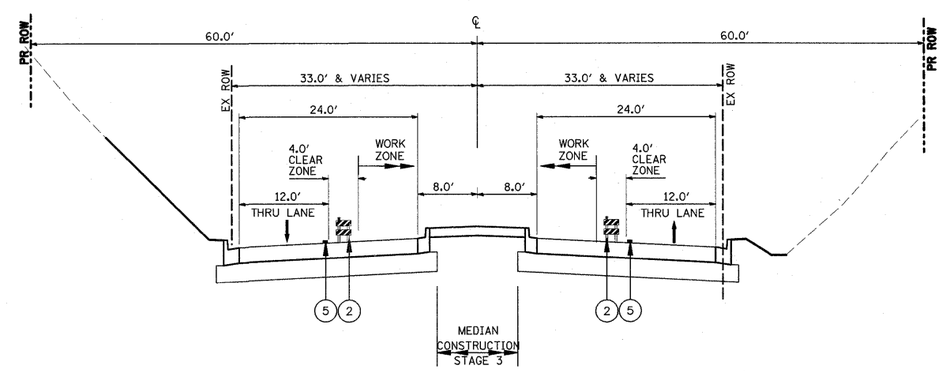
7. TEMPORARY PAVEMENT MARKING APPLIED TO FINAL PAVEMENT SURFACES AND EXISTING PAVEMENT SURFACES TO REMAIN SHALL BE PAVEMENT MARKING TAPE, TYPE III.

8. SEE STANDARD 701006 FOR BARRICADE PLACEMENT AND SIGNING.

9. BOTH 119TH STREET AND PLAINFIELD-NAPERVILLE ROAD SPEED LIMITS SHALL BE POSTED AT 35 MPH THROUGHOUT CONSTRUCTION.

PROPOSED LEGEND

1. TEMPORARY PAVEMENT, 8"
2. TYPE II BARRICADE OR DRUM W/STEADY BURN LIGHT
3. 4" WHITE EDGE LINE
4. 2–4" YELLOW @ 11" C–C
5. 4" YELLOW CENTER LINE
6. TRAFFIC CONTROL DEVICE WITH MONODIRECTIONAL STEADY BURNING LIGHT AT 50' C–C



STAGE 3 TYPICAL SECTION
119th STREET

0 10' 20'
GRAPHIC SCALE

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	PLOT DATE = 1/5/2012	DATE - FEBRUARY 2009	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

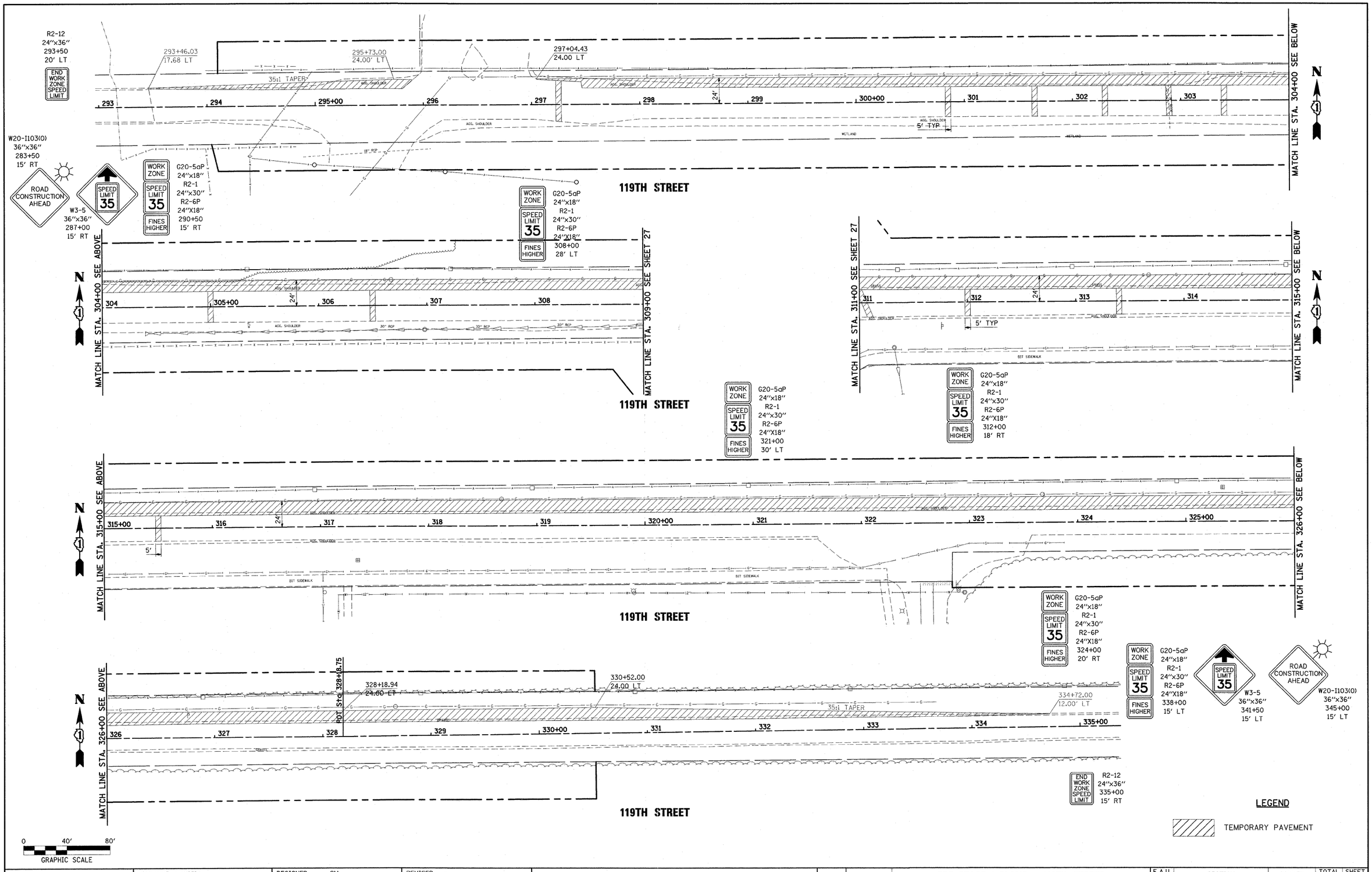
HLR

SCALE: 1" = 10'

STAGING TYPICAL SECTIONS – 119TH STREET
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	31
		CONTRACT NO. 63671		
	ILLINOIS FED. AID PROJECT			



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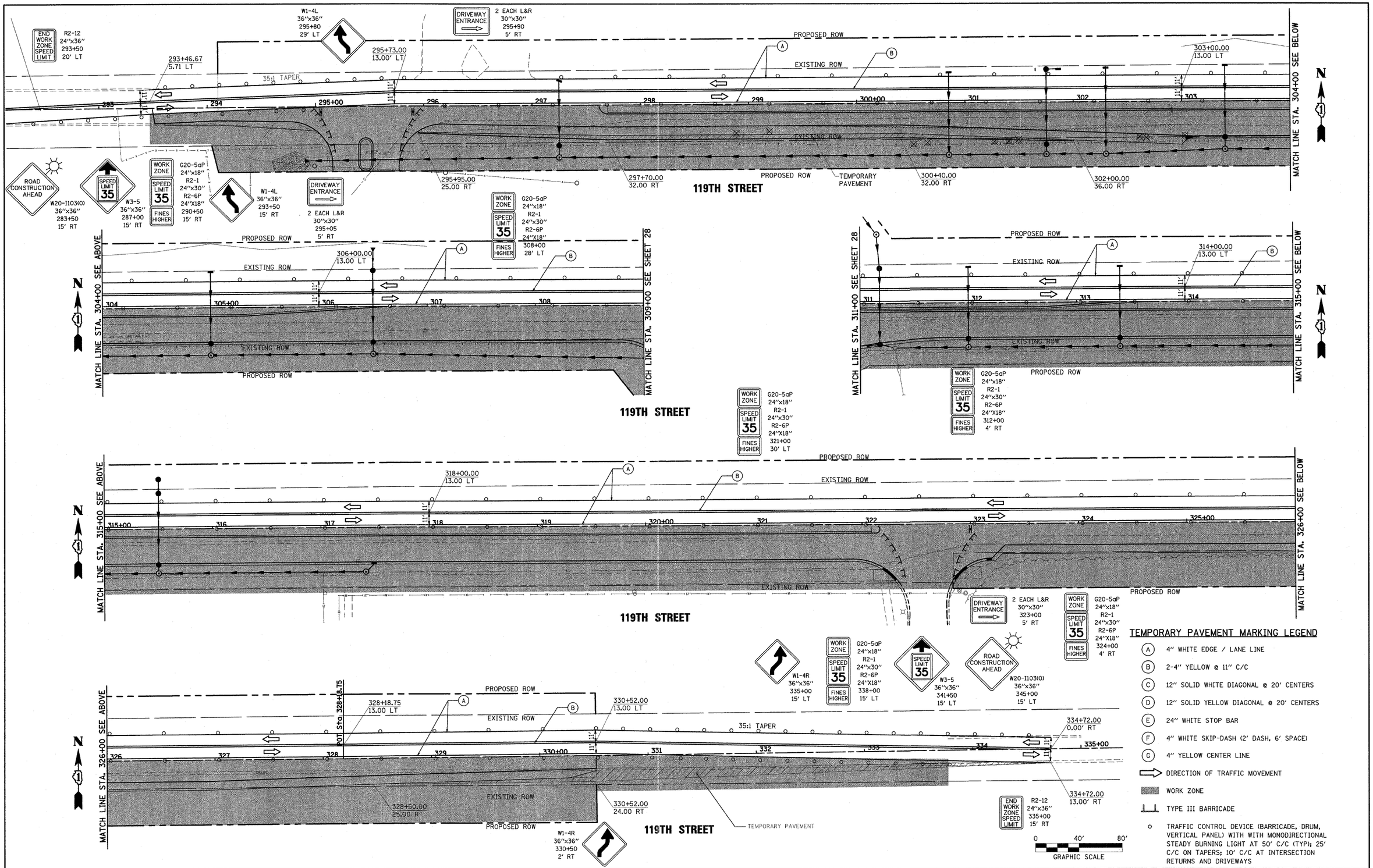
		DATE - FEBRUARY 2009	REVISED -					ILLINOIS FED. AID PROJECT			



TEMPORARY PAVEMENT MARKING LEGEND

- (A) 4" WHITE EDGE / LANE LINE
- (B) 2-4" YELLOW @ 11" C/C
- (C) 12" SOLID WHITE DIAGONAL @ 20' CENTERS
- (D) 12" SOLID YELLOW DIAGONAL @ 20' CENTERS
- (E) 24" WHITE STOP BAR
- (F) 4" WHITE SKIP-DASH (2' DASH, 6' SPACE)
- (G) 4" YELLOW CENTER LINE
- DIRECTION OF TRAFFIC MOVEMENT
- WORK ZONE
- TYPE III BARRICADE
- TRAFFIC CONTROL DEVICE (BARRICADE, DRUM, VERTICAL PANEL) WITH WITH MONODIRECTIONAL STEADY BURNING LIGHT AT 50' C/C (TYP); 25' C/C ON TAPERS; 10' C/C AT INTERSECTION RETURNS AND DRIVEWAYS

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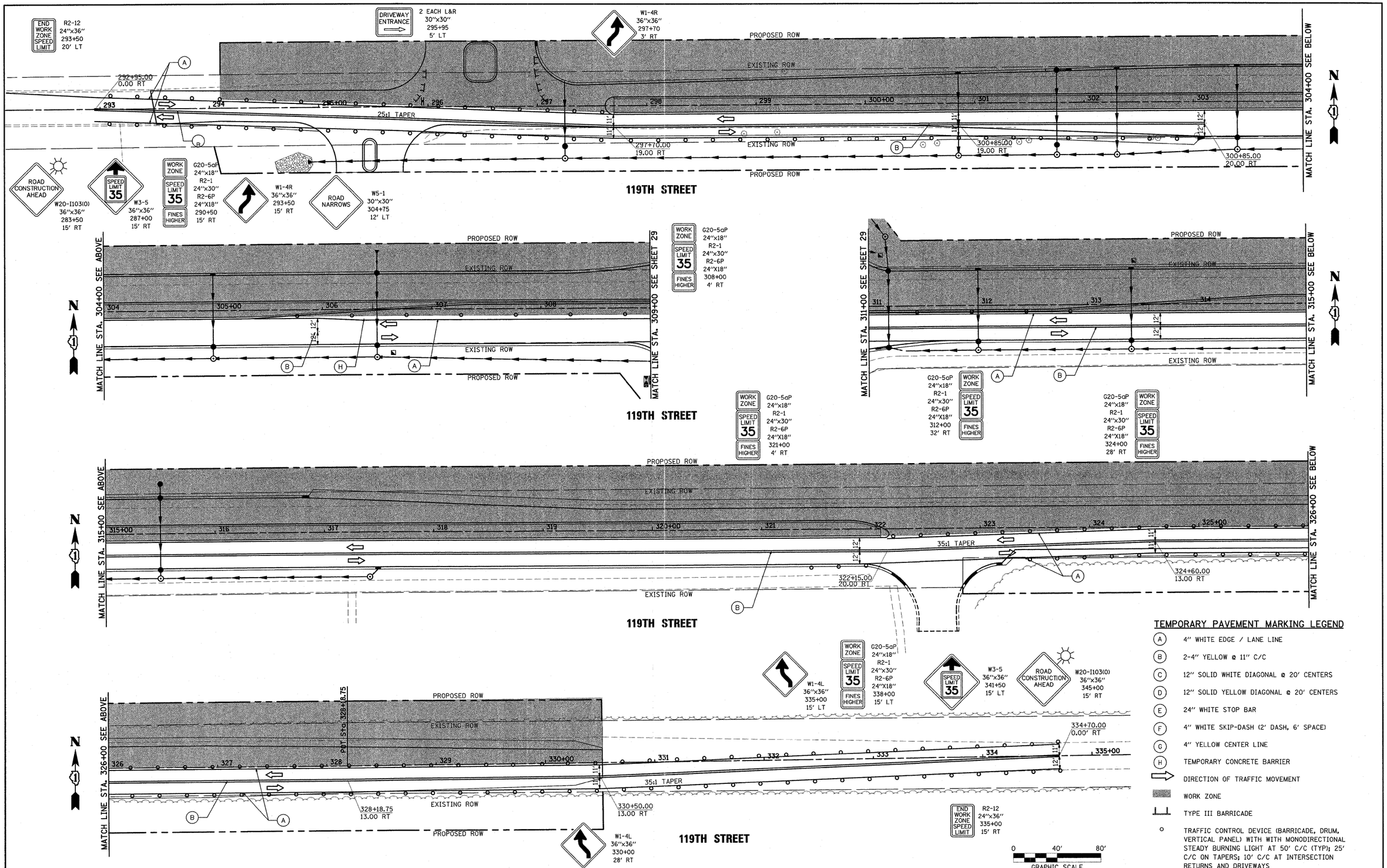
	PLOT DATE = 1/5/2012	CHECKED - CM	REVISED -		SCALE: 1" = 40'	SHEET NO. 1 OF 1 SHEETS STA. 293+00 TO STA. 334+50			CONTRACT NO. 63671		
		DATE - FEBRUARY 2009	REVISED -					ILLINOIS FED. AID PROJECT			



TEMPORARY PAVEMENT MARKING LEGEND

- (A) 4" WHITE EDGE / LANE LINE
- (B) 2-4" YELLOW @ 11" C/C
- (C) 12" SOLID WHITE DIAGONAL @ 20' CENTERS
- (D) 12" SOLID YELLOW DIAGONAL @ 20' CENTERS
- (E) 24" WHITE STOP BAR
- (F) 4" WHITE SKIP-DASH (2' DASH, 6' SPACE)
- (G) 4" YELLOW CENTER LINE
- (H) TEMPORARY CONCRETE BARRIER
- DIRECTION OF TRAFFIC MOVEMENT
- WORK ZONE
- TYPE III BARRICADE
- TRAFFIC CONTROL DEVICE (BARRICADE, DRUM, VERTICAL PANEL) WITH WITH MONODIRECTIONAL STEADY BURNING LIGHT AT 50' C/C (TYP); 25' C/C ON TAPERS; 10' C/C AT INTERSECTION RETURNS AND DRIVEWAYS

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	PLOT DATE = 1/5/2012	DATE - FEBRUARY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

SCALE: 1" = 40'

STAGE 2 PLAN – 119TH STREET

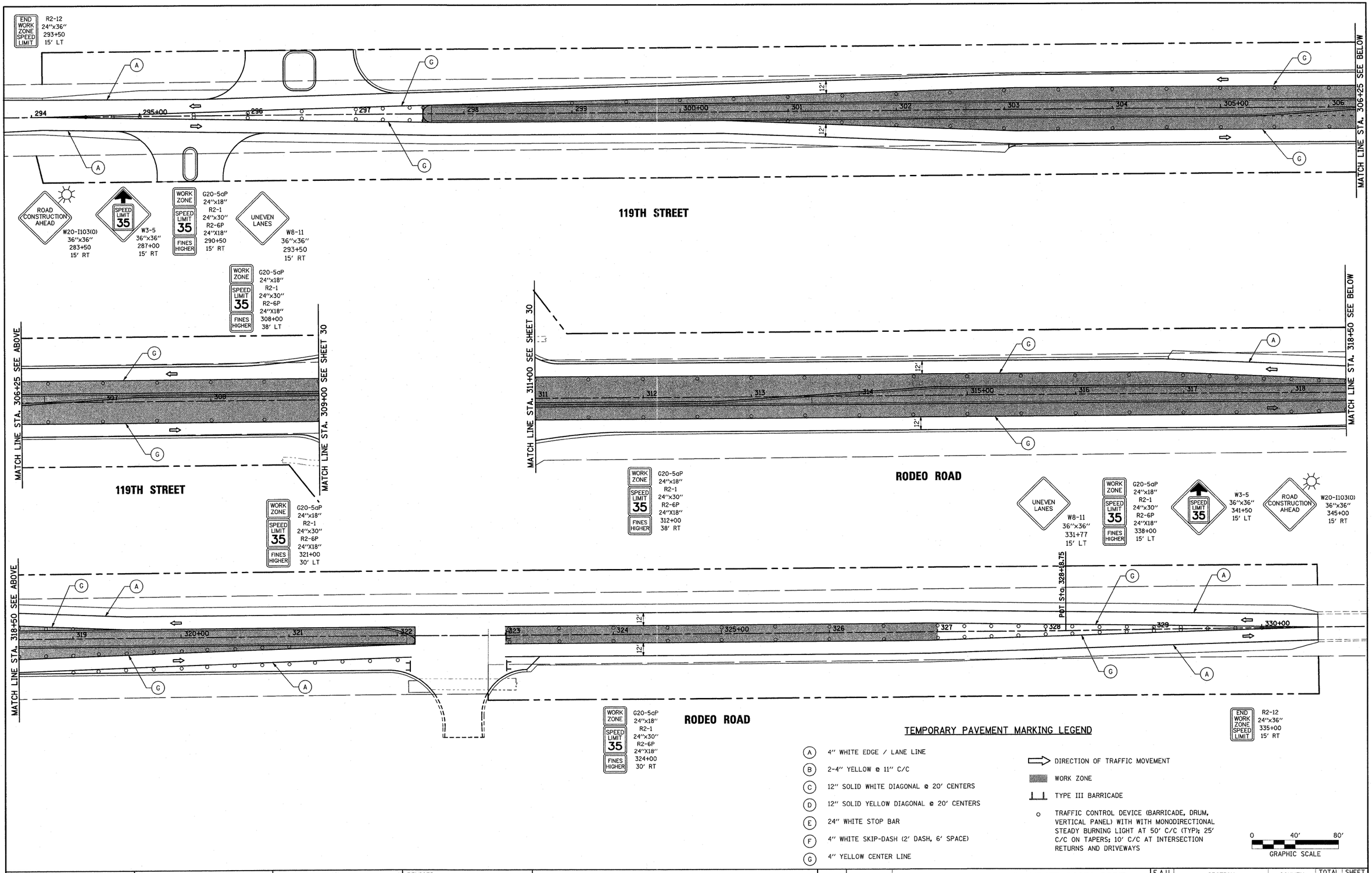
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SHEET NO. 1 OF 1 SHEETS | STA. 293+00 TO STA. 334+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	34

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



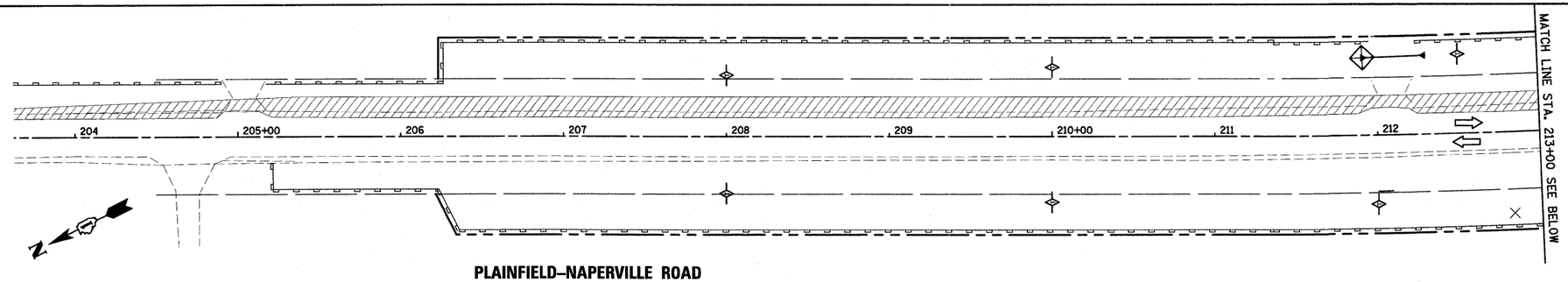
TEMPORARY PAVEMENT MARKING LEGEND

- (A) 4" WHITE EDGE / LANE LINE
- (B) 2-4" YELLOW @ 11" C/C
- (C) 12" SOLID WHITE DIAGONAL @ 20' CENTERS
- (D) 12" SOLID YELLOW DIAGONAL @ 20' CENTERS
- (E) 24" WHITE STOP BAR
- (F) 4" WHITE SKIP-DASH (2' DASH, 6' SPACE)
- (G) 4" YELLOW CENTER LINE

- DIRECTION OF TRAFFIC MOVEMENT
- WORK ZONE
- TYPE III BARRICADE
- o TRAFFIC CONTROL DEVICE (BARRICADE, DRUM, VERTICAL PANEL) WITH WITH MONODIRECTIONAL STEADY BURNING LIGHT AT 50' C/C (TYP); 25' C/C ON TAPERS; 10' C/C AT INTERSECTION RETURNS AND DRIVEWAYS

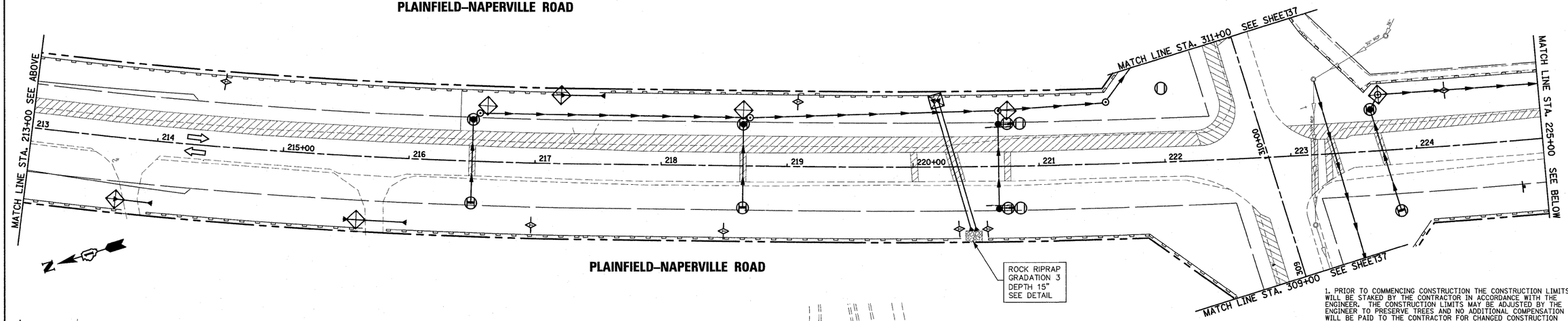
0 40' 80'
GRAPHIC SCALE

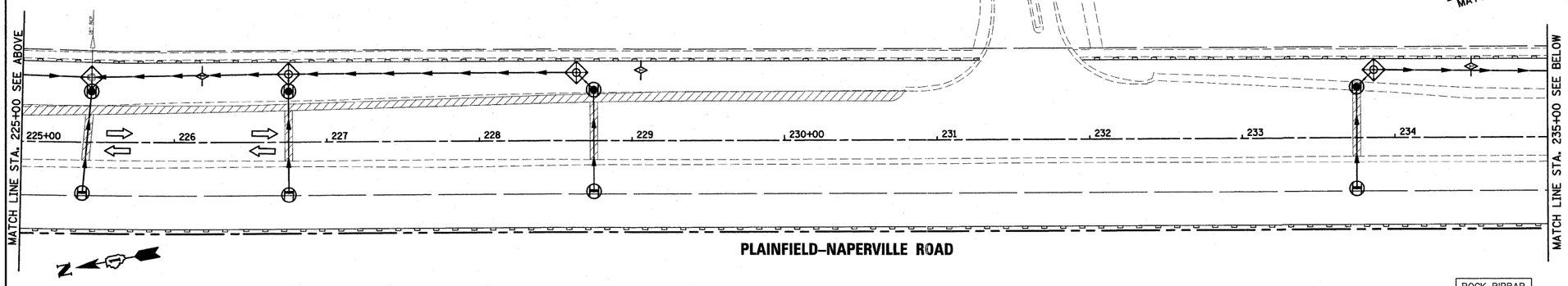
FILE NAME = P:\070116\cad\phase 2\dwg\070116-sht-stage3.dgn	USER NAME = $USER$	DESIGNED - CM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HLR	STAGE 3 PLAN – 119TH STREET /RODEO DRIVE PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
	DRAWN - JM	REVISED -					324	04-00036-22-TL	WILL	152 / 35
	PLOT SCALE = $SCALE$	CHECKED - CM	REVISED -						CONTRACT NO. 63671	
	PLOT DATE = 1/5/2012	DATE - FEBRUARY 2009	REVISED -		SCALE: 1" = 40'	SHEET NO. 1 OF 1 SHEETS STA. 284+00 TO STA. 331+00			ILLINOIS FED. AID PROJECT	

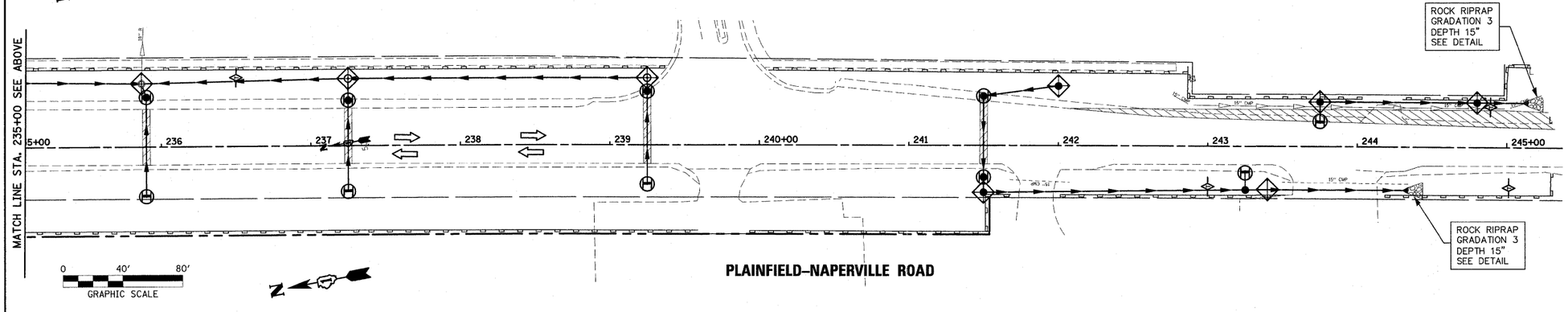


EROSION CONTROL LEGEND

- SEDIMENT LOG INLET PROTECTION
- TEMPORARY SILTATION BASKET
- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECKS (URETHANE FOAM/GEOTEXTILE)
- ROCK RIPRAP







1. PRIOR TO COMMENCING CONSTRUCTION THE CONSTRUCTION LIMITS WILL BE STAKED BY THE CONTRACTOR IN ACCORDANCE WITH THE ENGINEER. THE CONSTRUCTION LIMITS MAY BE ADJUSTED BY THE ENGINEER TO PRESERVE TREES AND NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR CHANGED CONSTRUCTION LIMITS.

2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO THE CONSTRUCTION LIMITS. THE RESIDENT ENGINEER SHALL MAKE THE FINAL DETERMINATION ON THE PLACEMENT AND LOCATION OF THE PERIMETER EROSION BARRIER.

3. PERMANENT SODDING SHALL BE LOCATED IN THE PARKWAY ALONG THE SCHOOL FRONTAGE AND IN THE MEDIANS.

4. SEEDING SHALL BE PLACED IN ALL OTHER AREAS DISTURBED BY CONSTRUCTION ACTIVITIES OR AS SHOWN ON THE PLANS.

5. SEE CROSS SECTIONS FOR GRADING INFORMATION.

6. SEE PROPOSED UTILITY PLAN AND PROFILE FOR STORM SEWER INFORMATION.

7. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON SITE. ALL CHANGES TO THE SOIL EROSION AND SEDIMENT CONTROL PLAN SHALL BE NOTED ON THE SITE PLAN.

8. DURING DE-WATERING OPERATIONS, WATER WILL BE PUMPED INTO SEDIMENT BASINS, SILT TRAPS OR SILT FILTER BAG (SPECIAL). DE-WATERING DIRECTLY INTO FIELD TILES, STORMWATER STRUCTURES OR DUPAGE RIVER IS PROHIBITED.

9. DITCH CHECK INSTALLATION SHALL OCCUR IMMEDIATELY UPON DITCHES BEING DISTURBED AND SHALL NOT BE REMOVED UNTIL DITCHES ARE FINAL GRADED AND STABILIZED.

10. EROSION CONTROL ITEMS MAY BE UTILIZED IN MULTIPLE STAGES BUT ONLY SHOWN IN THE STAGE INITIALLY INSTALLED. REMOVAL OF EROSION CONTROL ITEMS SHALL BE APPROVED BY THE ENGINEER.

11. A QUANTITY OF TEMPORARY EROSION CONTROL SEEDING IS INCLUDED FOR AREAS THAT ARE DISTURBED BUT WILL NOT BE RESTORED WITHIN 7 DAYS AS REQUIRED BY THE STORMWATER POLUTION PREVENTION PLAN OR AS DIRECTED BY THE ENGINEER. THE PLAN QUANTITY IS AS FOLLOWS:

- EAST SIDE FROM THE TEMPORARY PAVEMENT TO THE LIMIT OF CONSTRUCTION FOR THE LENGTH OF THE IMPROVEMENT.
- WEST SIDE FROM THE PROPOSED BACK OF CURB OR EDGE OF SHOULDER TO THE LIMIT OF CONSTRUCTION FOR THE LENGTH OF IMPROVEMENT.
- EAST SIDE FROM THE PROPOSED BACK OF CURB OR EDGE OF PAVEMENT TO THE LIMIT OF CONSTRUCTION FOR THE LENGTH OF IMPROVEMENT.

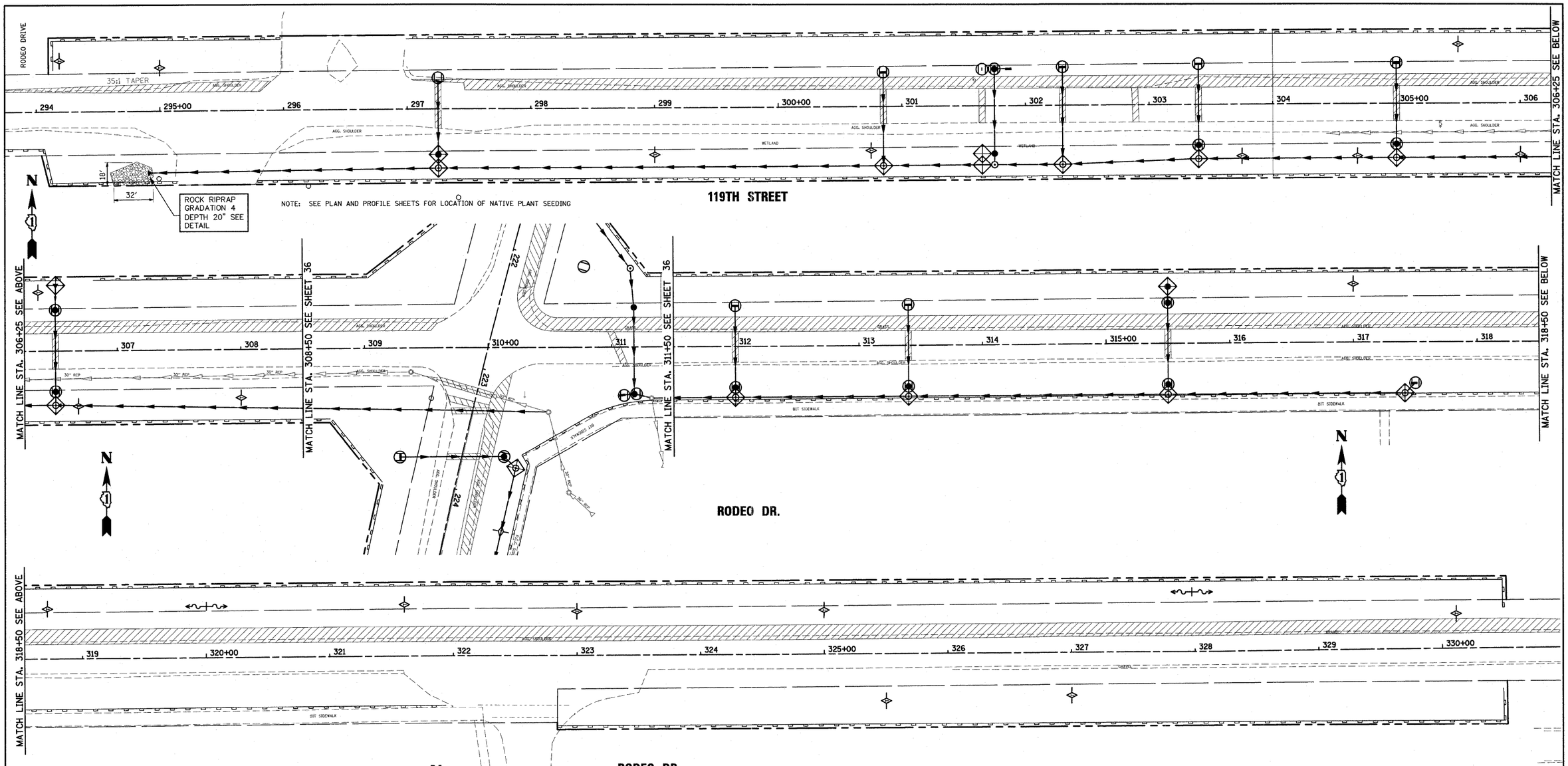
12. ALL DISTURBED AREAS SHALL BE RESTORED WITH 4 INCHES OF TOPSOIL AND SOD OR SEED AS PREVIOUSLY INDICATED.

13. THE CONTRACTOR SHALL INSPECT ALL SOIL EROSION CONTROL MEASURES ON A WEEKLY BASIS OR AFTER A ONE-HALF INCH RAINFALL AND REPLACE, REPAIR OR CLEAN THEM ON A TIMELY BASIS.

14. ANY SOIL EROSION CONTROL MEASURES IN addition TO THOSE OUTLINED IN THE PLANS, WHICH ARE DEEMED NECESSARY BY THE ENGINEER, SHALL BE IMPLEMENTED IMMEDIATELY BY THE CONTRACTOR.

15. STOCKPILES OF SOIL AND OTHER BUILDING MATERIALS TO REMAIN IN PLACE MORE THAN THREE (3) DAYS SHALL BE FURNISHED WITH EROSION AND SEDIMENT CONTROL MEASURES (I.E. PERIMETER SILT FENCE). STOCKPILES TO REMAIN IN PLACE FOR 30 DAYS OR MORE SHALL RECEIVE TEMPORARY SEEDING.

FILE NAME = P:\070116\cad\phase 2\dwg\070116-sht-erosion.dgn	USER NAME = $USER$	DESIGNED - CM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HLR	PLAINFIELD NAPERVILLE ROAD EROSION CONTROL PLAN PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = $SCALE$	DRAWN - JM	REVISED -				324	04-00036-22-TL	WILL	152	36
	PLOT DATE = 1/5/2012	CHECKED - CM	REVISED -						CONTRACT NO. 63671		
		DATE - FEBRUARY 2009	REVISED -		SCALE: 1" = 40'	SHEET NO. 1 OF 1 SHEETS STA. 204+50 TO STA. 245+00			ILLINOIS FED. AID PROJECT		



EROSION CONTROL LEGEND

- SEDIMENT LOG INLET PROTECTION
- TEMPORARY SILTATION BASKET
- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECKS (URETHANE FOAM/GEOTEXTILE)
- ROCK RIPRAP

0 40' 80'
GRAPHIC SCALE

1. PRIOR TO COMMENCING CONSTRUCTION THE CONSTRUCTION LIMITS WILL BE STAKED BY THE CONTRACTOR IN ACCORDANCE WITH THE ENGINEER. THE CONSTRUCTION LIMITS MAY BE ADJUSTED BY THE ENGINEER TO PRESERVE TREES AND NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR CHANGED CONSTRUCTION LIMITS.

2. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO THE CONSTRUCTION LIMITS. THE RESIDENT ENGINEER SHALL MAKE THE FINAL DETERMINATION ON THE PLACEMENT AND LOCATION OF THE PERIMETER EROSION BARRIER.

3. PERMANENT SODDING SHALL BE LOCATED IN THE PARKWAY ALONG THE SCHOOL FRONTAGE AND IN THE MEDIANS.

4. SEEDING SHALL BE PLACED IN ALL OTHER AREAS DISTURBED BY CONSTRUCTION ACTIVITIES OR AS SHOWN ON THE PLANS.

5. SEE CROSS SECTIONS FOR GRADING INFORMATION.

6. SEE PROPOSED UTILITY PLAN AND PROFILE FOR STORM SEWER INFORMATION.

7. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON SITE. ALL CHANGES TO THE SOIL EROSION AND SEDIMENT CONTROL PLAN SHALL BE NOTED ON THE SITE PLAN.

8. DURING DE-WATERING OPERATIONS, WATER WILL BE PUMPED INTO SEDIMENT BASINS, SILT TRAPS OR SILT FILTER BAG (SPECIAL). DE-WATERING DIRECTLY INTO FIELD TILES, STORMWATER STRUCTURES OR DuPAGE RIVER IS PROHIBITED.

9. DITCH CHECK INSTALLATION SHALL OCCUR IMMEDIATELY UPON DITCHES BEING DISTURBED AND SHALL NOT BE REMOVED UNTIL DITCHES ARE FINAL GRADED AND STABILIZED.

10. EROSION CONTROL ITEMS MAY BE UTILIZED IN MULTIPLE STAGES BUT ONLY SHOWN IN THE STAGE INITIALLY INSTALLED. REMOVAL OF EROSION CONTROL ITEMS SHALL BE APPROVED BY THE ENGINEER.

11. A QUANTITY OF TEMPORARY EROSION CONTROL SEEDING IS INCLUDED FOR AREAS THAT ARE DISTURBED BUT WILL NOT BE RESTORED WITHIN 7 DAYS AS REQUIRED BY THE STORMWATER POLUTION PREVENTION PLAN OR AS DIRECTED BY THE ENGINEER. THE PLAN QUANTITY IS AS FOLLOWS:

-NORTH SIDE FROM THE TEMPORARY PAVEMENT TO THE LIMIT OF CONSTRUCTION FOR THE LENGTH OF THE IMPROVEMENT.

-SOUTH SIDE FROM THE PROPOSED BACK OF CURB OR EDGE OF SHOULDER TO THE LIMIT OF CONSTRUCTION FOR THE LENGTH OF IMPROVEMENT.

-NORTH SIDE FROM THE PROPOSED BACK OF CURB OR EDGE OF PAVEMENT TO THE LIMIT OF CONSTRUCTION FOR THE LENGTH OF IMPROVEMENT.

12. ALL DISTURBED AREAS SHALL BE RESTORED WITH 4 INCHES OF TOPSOIL AND SOD OR SEED AS PREVIOUSLY INDICATED.

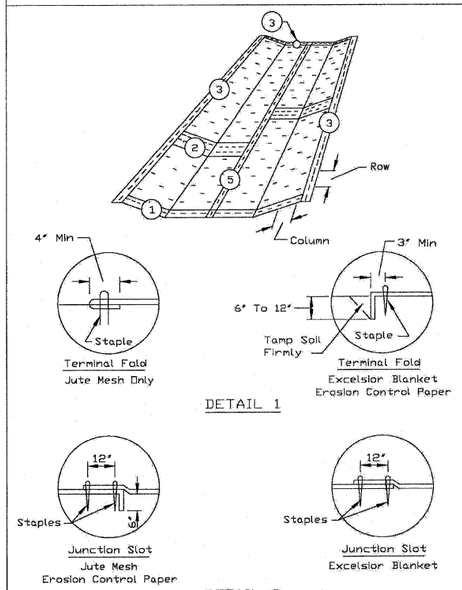
13. THE CONTRACTOR SHALL INSPECT ALL SOIL EROSION CONTROL MEASURES ON A WEEKLY BASIS OR AFTER A ONE-HALF INCH RAINFALL AND REPLACE, REPAIR OR CLEAN THEM ON A TIMELY BASIS.

14. ANY SOIL EROSION CONTROL MEASURES IN ADDITION TO THOSE OUTLINED IN THE PLANS, WHICH ARE DEEMED NECESSARY BY THE ENGINEER, SHALL BE IMPLEMENTED IMMEDIATELY BY THE CONTRACTOR.

15. STOCKPILES OF SOIL AND OTHER BUILDING MATERIALS TO REMAIN IN PLACE MORE THAN THREE (3) DAYS SHALL BE FURNISHED WITH EROSION AND SEDIMENT CONTROL MEASURES (I.E. PERIMETER SILT FENCE). STOCKPILES TO REMAIN IN PLACE FOR 30 DAYS OR MORE SHALL RECEIVE TEMPORARY SEEDING.

FILE NAME = P:\070116\cad\phase 2\dwg\070116-sht-erosion.dgn	USER NAME = $USER$	DESIGNED - CM	REVISED - 09/30/2010	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	H&LR	119TH STREET /RODEO DRIVE EROSION CONTROL PLAN PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - JM	REVISED -				324	04-00036-22-TL	WILL	152	37
	PLOT SCALE = $SCALE$	CHECKED - CM	REVISED -				CONTRACT NO. 63671				
	PLOT DATE = 1/5/2012	DATE - FEBRUARY 2009	REVISED -		SCALE: 1" = 40'	SHEET NO. 1 OF 1 SHEETS STA. 284+00 TO STA. 331+00	ILLINOIS FED. AID PROJECT				

EROSION BLANKET PLAN

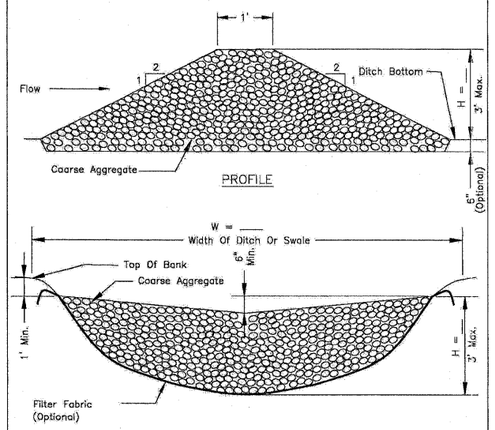


REFFERENCE		
Project		
Designed	Date	
Checked	Date	
Approved	Date	

NRCS Natural Resources Conservation Service

STANDARD DWG. NO. IL-530
SEEET 1 OF 2
DATE 5-24-94

ROCK CHECK DAM - COARSE AGGREGATE



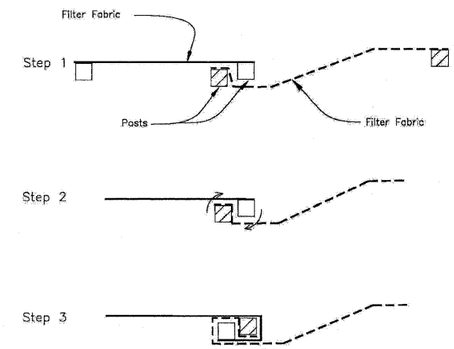
NOTES:
1. Filter fabric shall meet the requirements of material specification 592 GEOTEXTILE, Table 1 or 2, Class I, II, or IV and shall be placed over the cleared area prior to the placing of rock.
2. Coarse aggregate shall meet one of the following IDOT gradations, CA-1, CA-2, CA-3, or CA-4 and be placed according to construction specification 25 ROCKFILL using placement Method 1 and Class III compaction.
3. For added stability, the base of the dam may be keyed 6 inches into the soil.
4. See plans for spacing of dams and H dimensions.
5. Drainage area to each dam shall be less than 2 acres.
6. Use ROCK CHECK DAM-RIPRAP IL-605R for drainage areas of 2 to 10 acres.

REFERENCE		
Project		
Designed	Date	
Checked	Date	
Approved	Date	

NRCS Natural Resources Conservation Service

STANDARD DWG. NO. IL-605CA
SHEET 1 OF 1
DATE 1-29-99

SILT FENCE



NOTES:
1. Place the end post of the second fence inside the end post of the first fence.
2. Rotate both posts at least 180 degrees in a clockwise direction to create a tight seal with the fabric material.
3. Drive both posts a minimum of 18 inches into the ground and bury the flap.

REFERENCE		
Project		
Designed	Date	
Checked	Date	
Approved	Date	

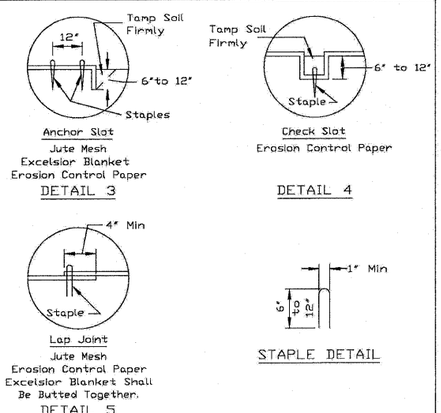
NRCS Natural Resources Conservation Service

STANDARD DWG. NO. IL-620(W)
SHEET 2 OF 2
DATE 1-29-99

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND THE TERMS AND CONDITIONS OF THE GENERAL NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT (ILR10) THAT AUTHORIZES THE STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY FROM THE CONSTRUCTION SITE IDENTIFIED AS PART OF THIS CERTIFICATION.

NAME OF PRIME CONTRACTOR	AUTHORIZED REPRESENTATIVE SIGNATURE	DATE
NAME OF SUBCONTRACTOR	AUTHORIZED REPRESENTATIVE SIGNATURE	DATE
NAME OF SUBCONTRACTOR	AUTHORIZED REPRESENTATIVE SIGNATURE	DATE
NAME OF SUBCONTRACTOR	AUTHORIZED REPRESENTATIVE SIGNATURE	DATE
NAME OF SUBCONTRACTOR	AUTHORIZED REPRESENTATIVE SIGNATURE	DATE

EROSION BLANKET PLAN



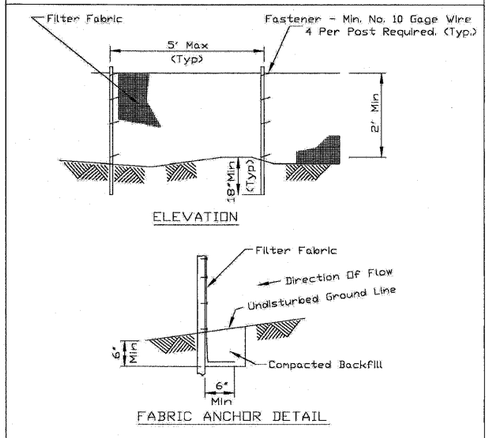
NOTES:
1. On erosion control paper, check slots, in ditch channel shall be spaced so that one occurs within each 50' on slopes of more than 4% and less than 6%. On slopes of 6% or more, they shall be spaced so that one occurs within each 25'.
2. Staples are to be placed alternately, in columns approximately 2' apart and in rows approximately 3' apart. Approximately 175 staples are required per 4'x 225' roll of material and 125 staples are required per 4'x 150' roll of material.
3. Erosion control material shall be placed loosely over ground surface. Do not stretch.
4. All terminal ends and transverse laps shall be stapled at approximately 12' intervals.

REFFERENCE		
Project		
Designed	Date	
Checked	Date	
Approved	Date	

NRCS Natural Resources Conservation Service

STANDARD DWG. NO. IL-530
SHEET 2 OF 2
DATE 3-1-95

SILT FENCE PLAN



NOTES:
1. Temporary sediment fence shall be installed prior to any grading work in the area to be protected. They shall be maintained throughout the construction period and removed in conjunction with the final grading and site stabilization.
2. Filter fabric shall meet the requirements of material specification 592 Geotextile Table 1 or 2, Class I with equivalent opening size of at least 30 for nonwoven and 50 for woven.
3. Fence posts shall be either standard steel post or wood post with a minimum cross-sectional area of 3.0 sq. in.

REFERENCE		
Project		
Designed	Date	
Checked	Date	
Approved	Date	

NRCS Natural Resources Conservation Service

STANDARD DWG. NO. IL-620
SHEET 1 OF 2
DATE 11-20-01

GENERAL NOTES

A. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.

B. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.

C. DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN 14 CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE, OR RE-DISTURBANCE. IF CONSTRUCTION ACTIVITES ARE TO CEASE FOR A DURATION GREATER THEN 14 DAYS THE CONTRACTOR SHALL INSTALL STABLIZATION MEASURES WITHIN 7 DAYS.

D. AREAS OR EMBANKMENTS HAVING SLOPES GREATER THAN 4H:1V, OR THE BOTTOM 2' OF A OVERLAND DRAINAGE WAY SHALL BE STABILIZED WITH SOD, MAT OR BLANKET IN COMBINATION WITH SEEDING.

E. ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, BY AN APPROPRIATE SEDIMENT CONTROL MEASURE.

F. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED.

G. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE PRIME CONTRACTOR SHALL BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE AND REPAIR.

H. ANY SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA. ALL PRECAUTIONS SHALL BE TAKEN TO AVOID TRACKING DURING CONSTRUCTION.

I. SOIL STOCKPILES SHALL NOT BE LOCATED IN A FLOOD PRONE AREA OR A DESIGNATED BUFFER PROTECTING WATERS OF THE UNITED STATES OR ISOLATED WATERS OF WILL COUNTY.

J. IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (E.G. SEDIMENT TRAP, SEDIMENT BASIN, SILT FILTER BAG (SPECIAL) OR OTHER APPROPRIATE MEASURE.

K. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.

L. THE CONDITION OF THE CONSTRUCTION SITE FOR WINTER SHUTDOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT SLOPES AND OTHER BARE EARTH AREAS MAY BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER FOR PROPER EROSION AND SEDIMENT CONTROL. ALL OPEN AREAS THAT ARE TO REMAIN IDLE THROUGHOUT THE WINTER SHALL RECEIVE TEMPORARY EROSION CONTROL MEASURES INCLUDING TEMPORARY SEEDING, MULCHING AND/OR EROSION CONTROL BLANKET PRIOR TO THE END OF THE FALL GROWING SEASON. THE AREAS TO BE WORKED BEYOND THE END OF THE GROWING SEASON MUST INCORPORATE SOIL STABILIZATION MEASURES THAT DO NOT RELY ON VEGETATIVE COVER SUCH AS EROSION CONTROL BLANKET AND HEAVY MULCHING.

M. UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL REVISED FEBRUARY 2010.

N. THE WILL COUNTY DEPARTMENT OF HIGHWAYS (WCDH) MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.

O. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.

P. PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE OWNER FOR REVIEW BY THE WSCSWCD.

Q. THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE WSCSWCD.

R. IT IS THE RESPONSIBILITY OF THE LANDOWNER AND/OR GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS SET FORTH BY THE ILLINOIS EPA.

FILE NAME = P:\070116\cad\phase 2\dwg\070116-sht-erosion-details.dgn	USER NAME = $USER$	DESIGNED - CM	REVISED - 09/30/2010
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	PLOT DATE = 1/5/2012	DATE - FEBRUARY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

H&LR

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

EROSION CONTROL STANDARDS
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	38

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT

STABILIZATION TYPE	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
PERMANENT SEEDING			A									
DORMANT SEEDING	B										B	
TEMPORARY SEEDING			C				D					
SODDING			E**									
MULCHING	F											

A KENTUCKY BLUEGRASS 90 LBS/ACRE MIXED WITH PERENNIAL RYEGRASS 30 LBS/ACRE.

B KENTUCKY BLUEGRASS 135 LBS/ACRE MIXED WITH PERENNIAL RYEGRASS 45 LBS/ACRE +2 TONS STRAW MULCH/ACRE.

C SPRING OATS 100 LBS/ACRE

D WHEAT OR CEREAL RYE 150 LBS/ACRE.

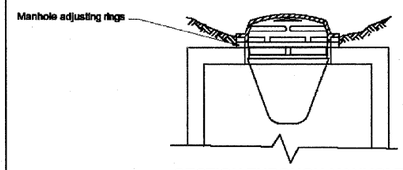
E SOD

F STRAW MULCH 2 TONS/ACRE.

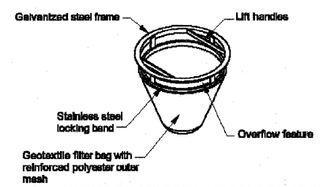
* IRRIGATION NEEDED DURING JUNE AND JULY.

** IRRIGATION NEEDED FOR 2 TO 3 WEEKS AFTER APPLYING SOD.

SOIL STABILIZATION CHART

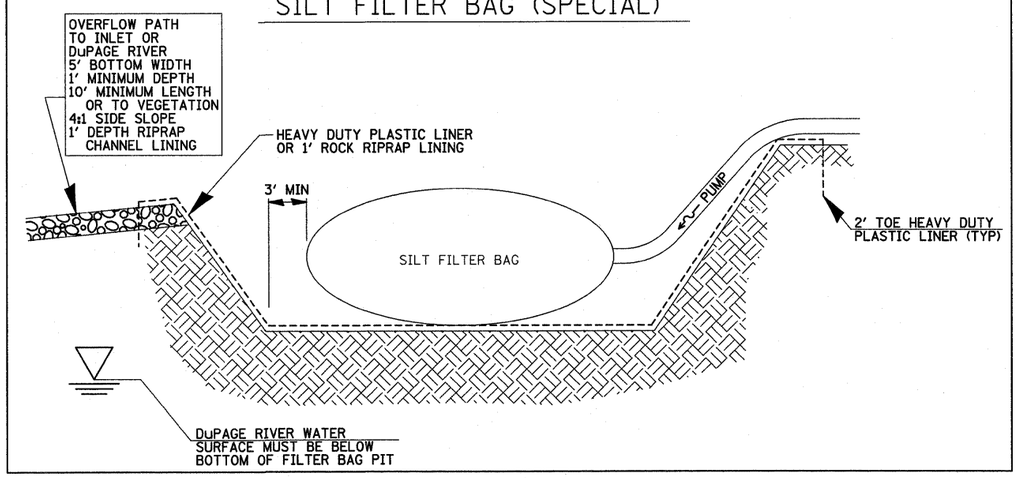


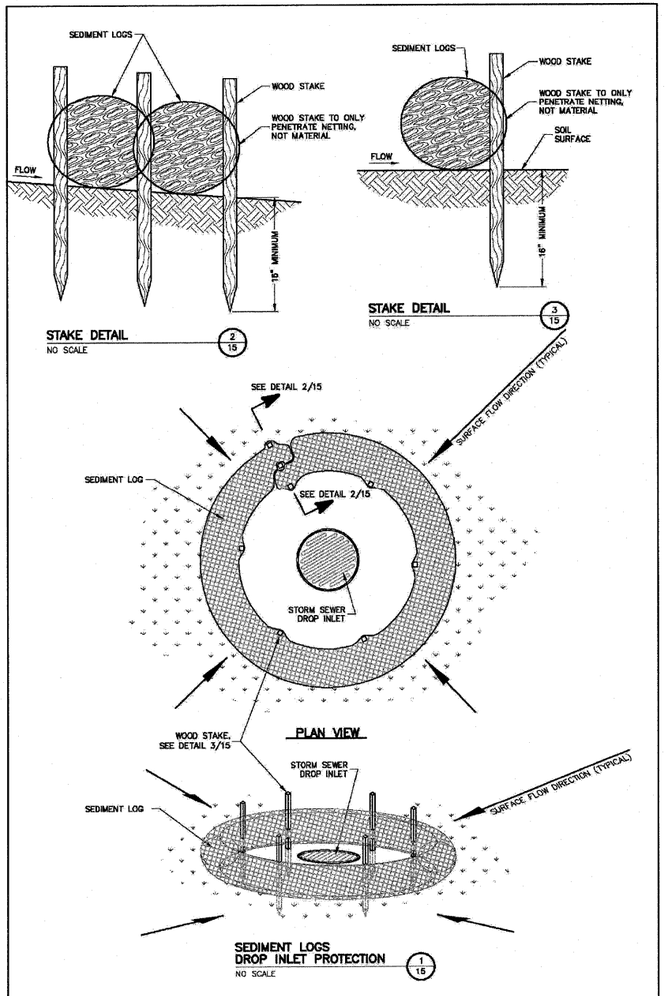
SECTION THROUGH MANHOLE



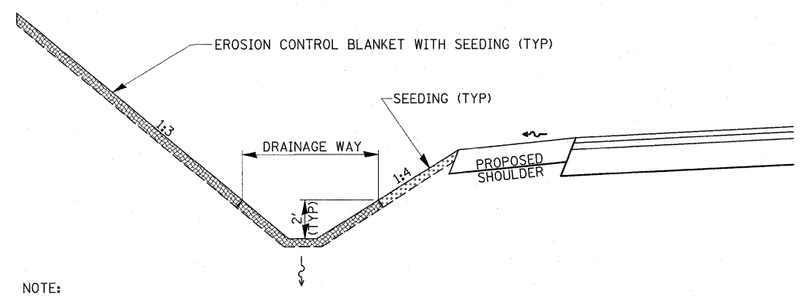
INLET FILTER

SILT FILTER BAG (SPECIAL)



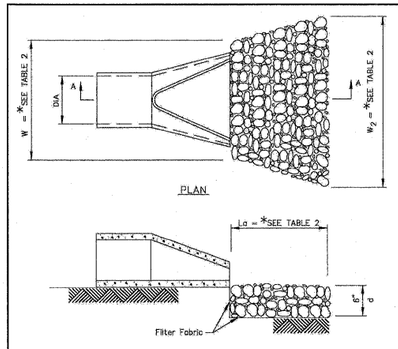


INLET PROTECTION



NOTE:
1 - ALL SLOPES GREATER THAN 4H:1V SHALL HAVE EROSION CONTROL BLANKET FOR STABILIZATION.
2 - ALL DRAINAGE WAYS SHALL HAVE EROSION CONTROL BLANKET TO A MINIMUM DEPTH OF 2' FOR STABILIZATION.
3 - SEE PLAN AND PROFILE SHEETS FOR LOCATION OF SODDING AND NATIVE SEEDING.

EROSION CONTROL BLANKET



NOTES:
1. The filter fabric is required for Gradation RR4 and greater and shall meet the requirements of section 282 of the standard specifications.
2. The rock riprap shall meet section 281 of the standard specifications and have the gradation as shown in TABLE 2.

TABLE 1
ROCK RIPRAP SIZES AND THICKNESS

IDOT Gradation Number	d50 (in.)	dmax (in.)	Minimum Blanket Thickness (in)
RR-3	5	10	15
RR-4	9	14	20
RR-5	12	19	28
RR-6	15	22	32
RR-7	18	27	32

TABLE 2
MINIMUM IDOT ROCK SIZES AND APRON LENGTHS

Culvert Dia. (in.)	Rock Gradation	La (ft.)	(ft) W_1	(ft) W_2
12	RR3	10	3	11
18	RR3	14	4.5	15.5
24	RR3	16	6	18
30	RR3	18	7.5	20.5
36	RR4	20	9	23
48	RR4	24	12	28
60	RR5	32	15	37
72	RR6	40	18	46
96	RR7	50	21	57

RIPRAP

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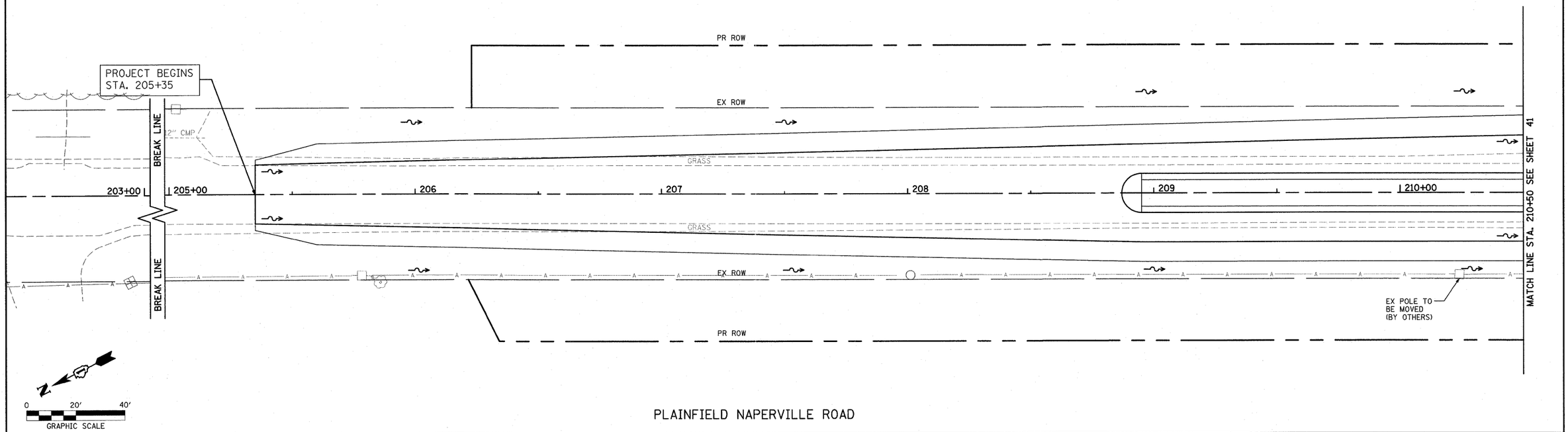
EROSION CONTROL STANDARDS
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

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

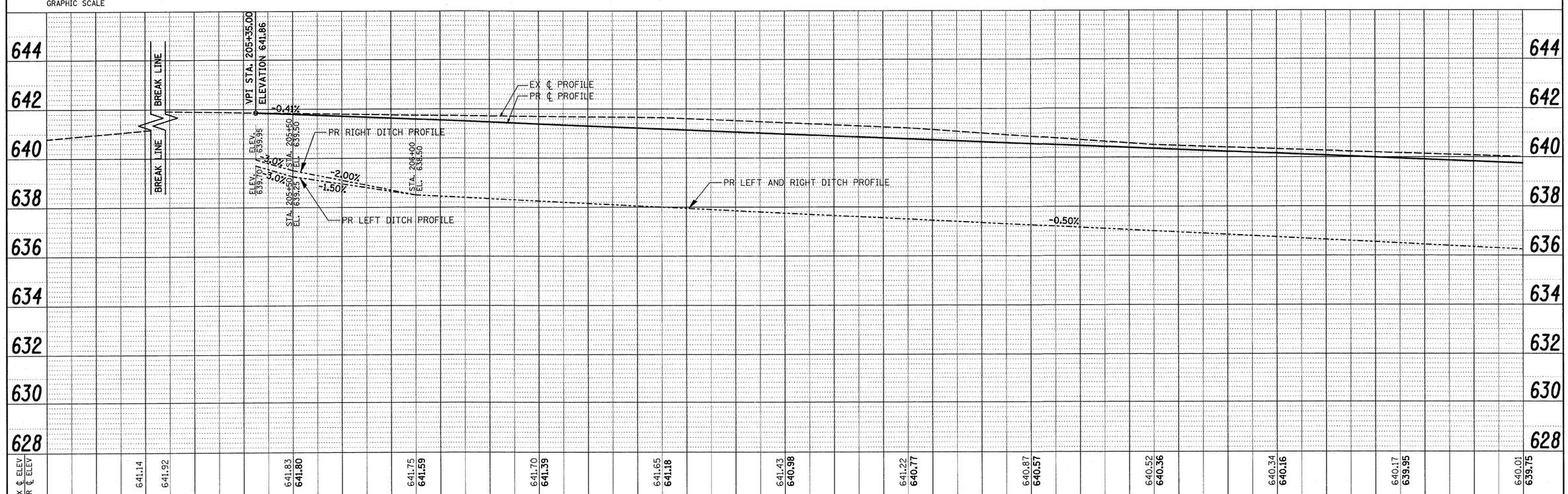
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	39

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



PLAINFIELD NAPERVILLE ROAD



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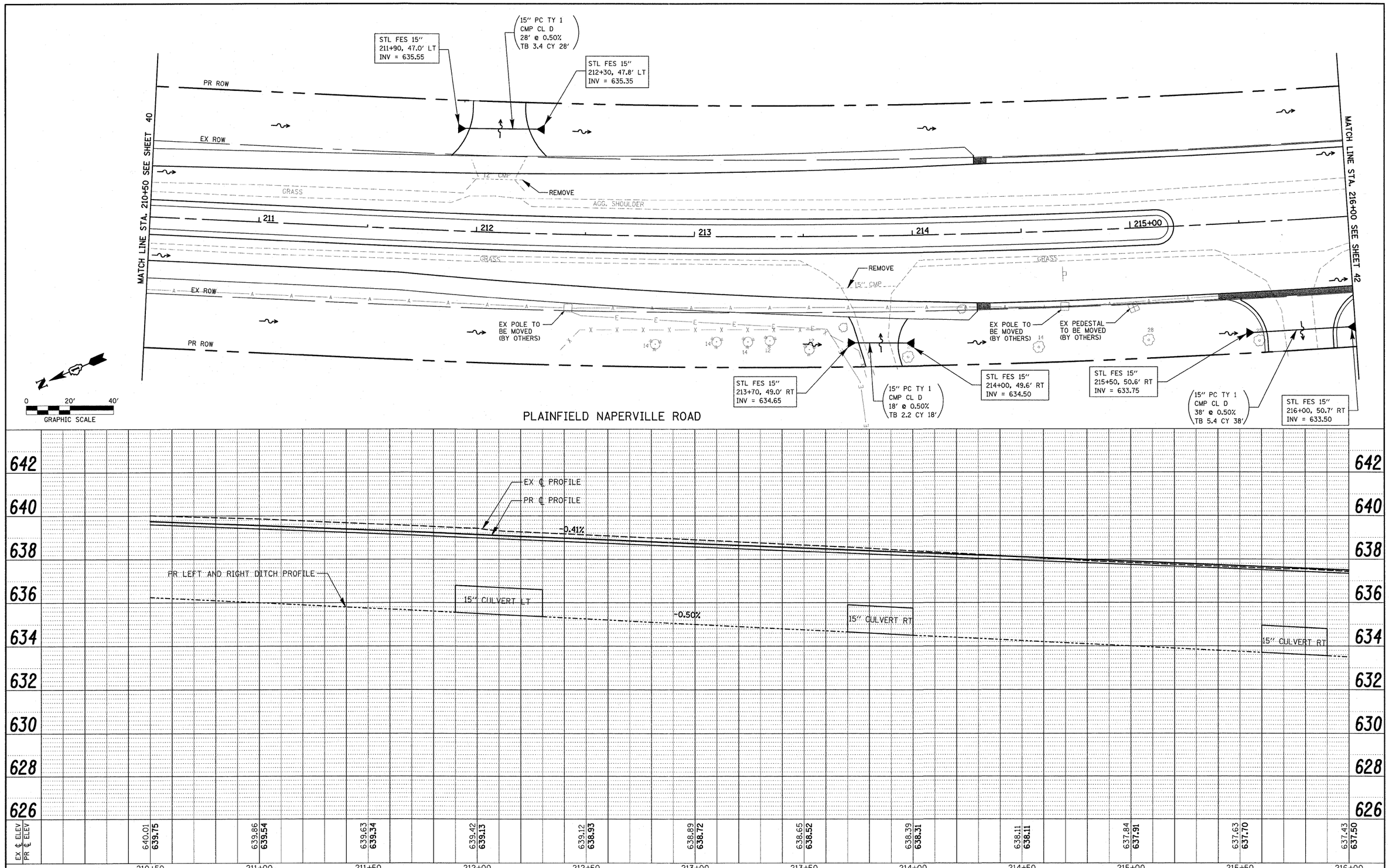
	PLOT SCALE = $SCALE$	DRAWN - JH	REVISED -				324	04-00036-22-TL	WILL	152	40
	PLOT DATE = 1/5/2012	CHECKED - RN	REVISED -						CONTRACT NO. 63671		
		DATE - FEBRUARY 2009	REVISED -		SCALE: 1" = 20'	SHEET NO. 1 OF 7 SHEETS STA. 204+50 TO STA. 210+50			ILLINOIS FED. AID PROJECT		

PLAN
NOTE BOOK NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
RT. OF WAY CHECKED
CADD FILE NAME
BY
DATE

PROFILE
NOTE BOOK NO.
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTATIONS CHKD
BY
DATE



PLAN	BY	DATE
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PROFILE	BY	DATE
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GRADES CHECKED		
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STRUCTURE NOTATNS CHKD		
NOTE BOOK NO.		

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	PLOT DATE = 1/5/2012	DATE - FEBRUARY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

H&LR

SCALE: 1" = 20' | SHEET NO. 2 OF 7 SHEETS | STA. 210+50 TO STA. 216+00

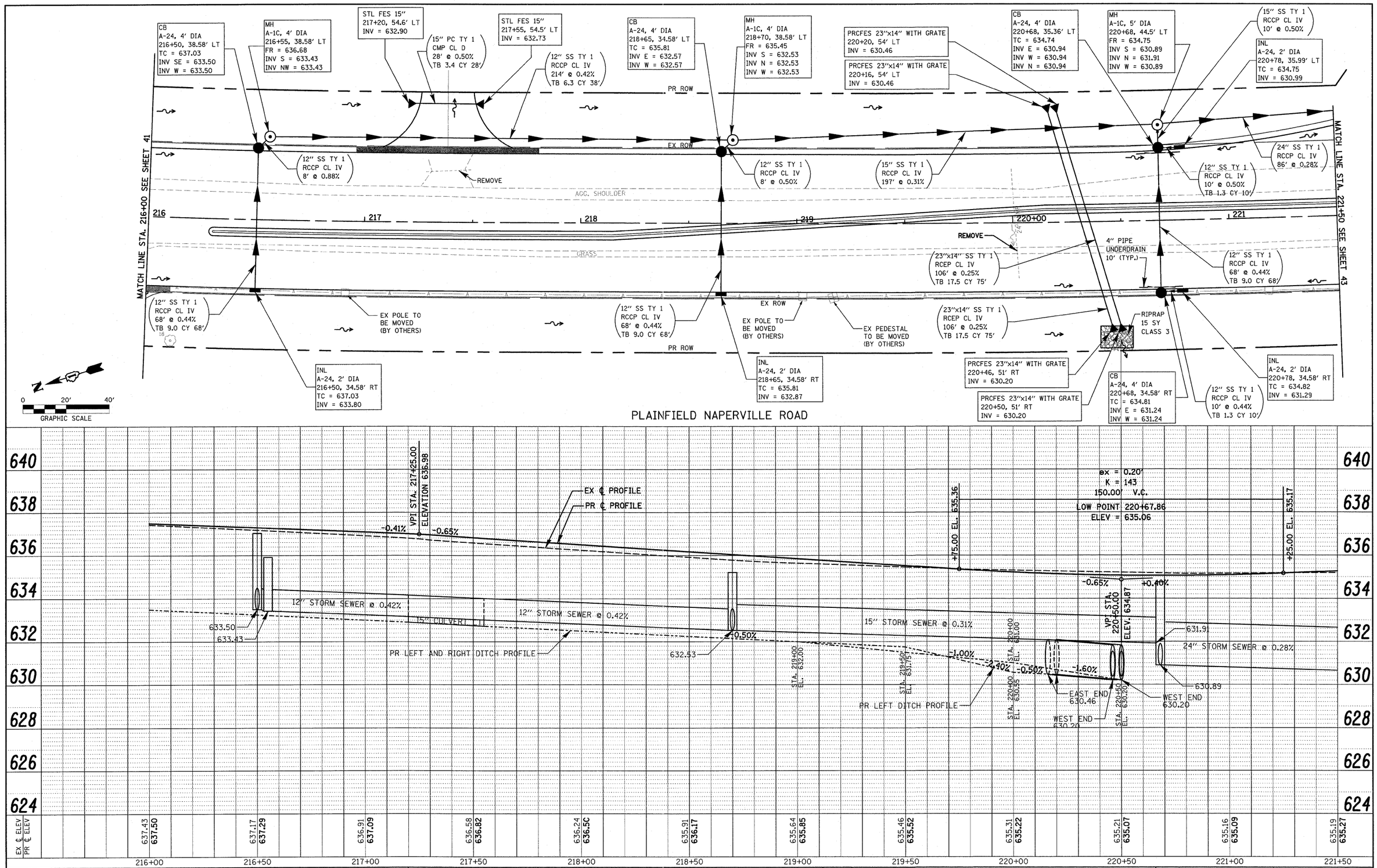
UTILITY PLAN & PROFILE

PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	41

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



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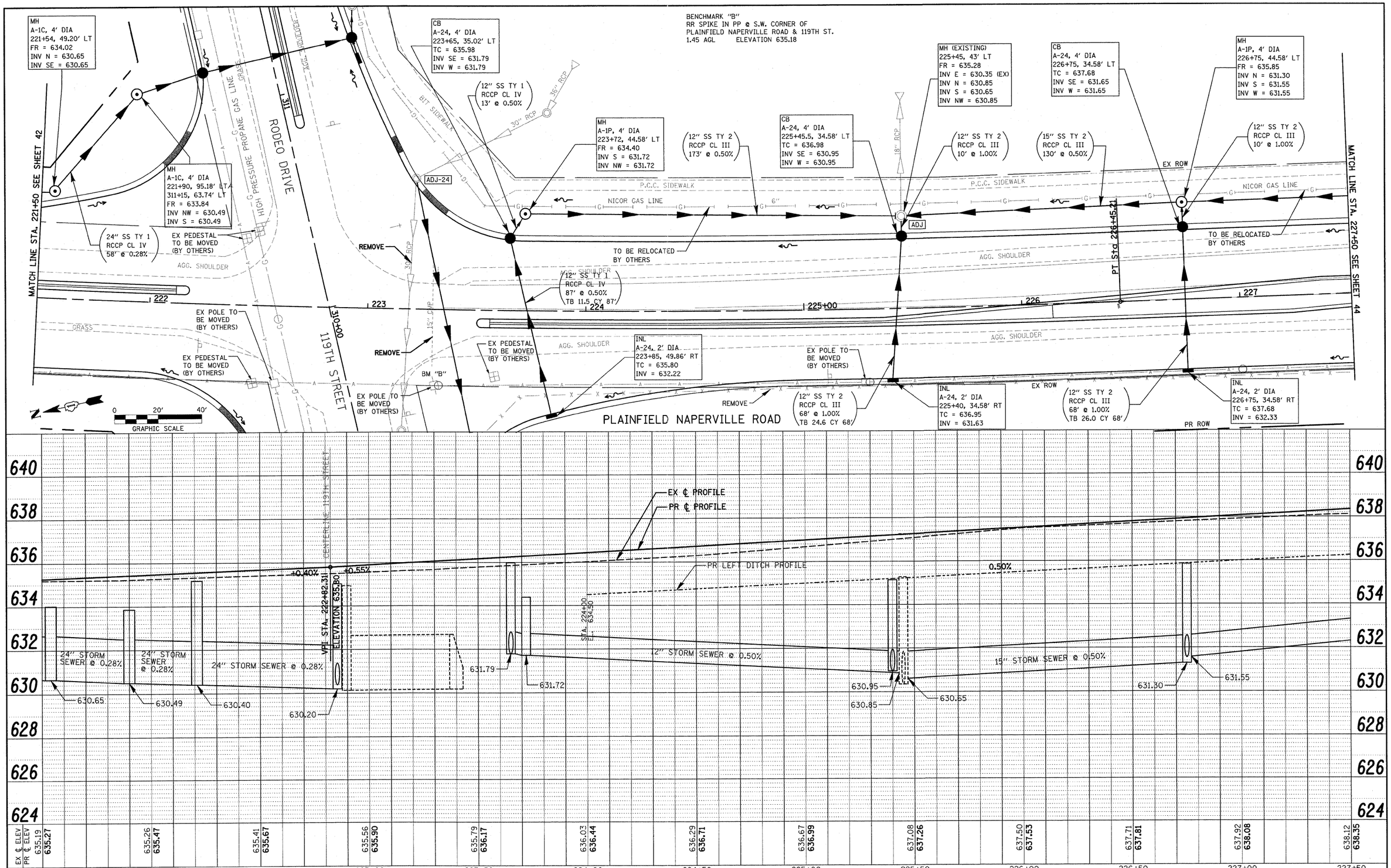
	PLOT SCALE = $SCALE$	DRAWN - JH	REVISED -			
	PLOT DATE = 1/5/2012	CHECKED - RN	REVISED -			
		DATE - FEBRUARY 2009	REVISED -		SCALE: 1" = 20'	SHEET NO. 3 OF 7 SHEETS STA. 216+00 TO STA. 221+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	42

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



PLAN	BY	DATE
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ALIGNMENT CHECKED		
RT. OF WAY CHECKED		
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NOTE BOOK		
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PROFILE	BY	DATE
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GRADES CHECKED		
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STRUCTURE NOTATNS CHKD		
NOTE BOOK		
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

SCALE: 1" = 20'

UTILITY PLAN & PROFILE

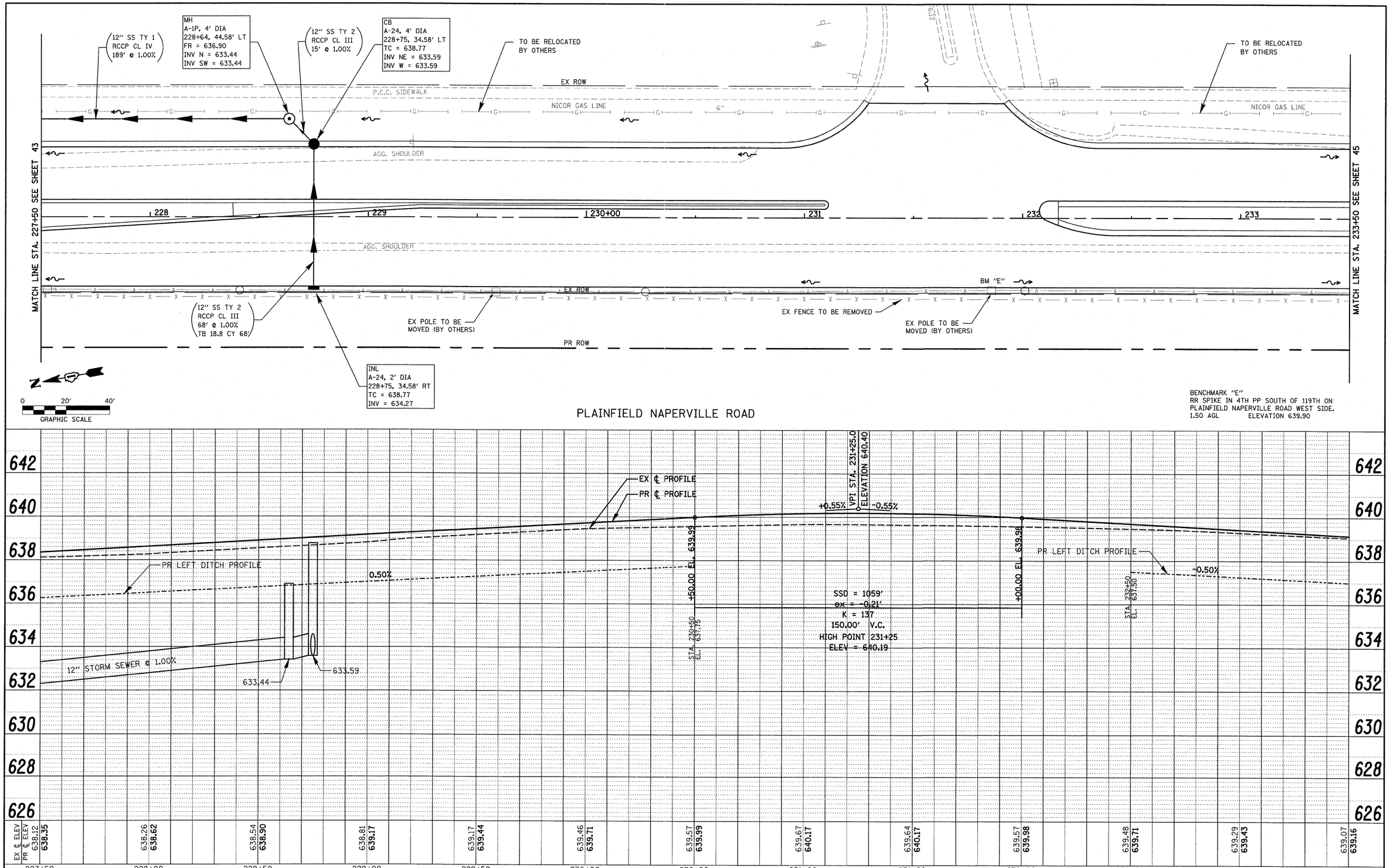
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SHEET NO. 4 OF 7 SHEETS STA. 225+50 TO STA. 227+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	43

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



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ALIGNMENT CHECKED		
RT. OF WAY CHECKED		
CADD FILE NAME		
NOTE BOOK NO.		

PROFILE	BY	DATE
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GRADES CHECKED		
B.M. NOTED		
STRUCTURE NOTATNS CHKD		
NOTE BOOK NO.		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

SCALE: 1" = 20'

UTILITY PLAN & PROFILE

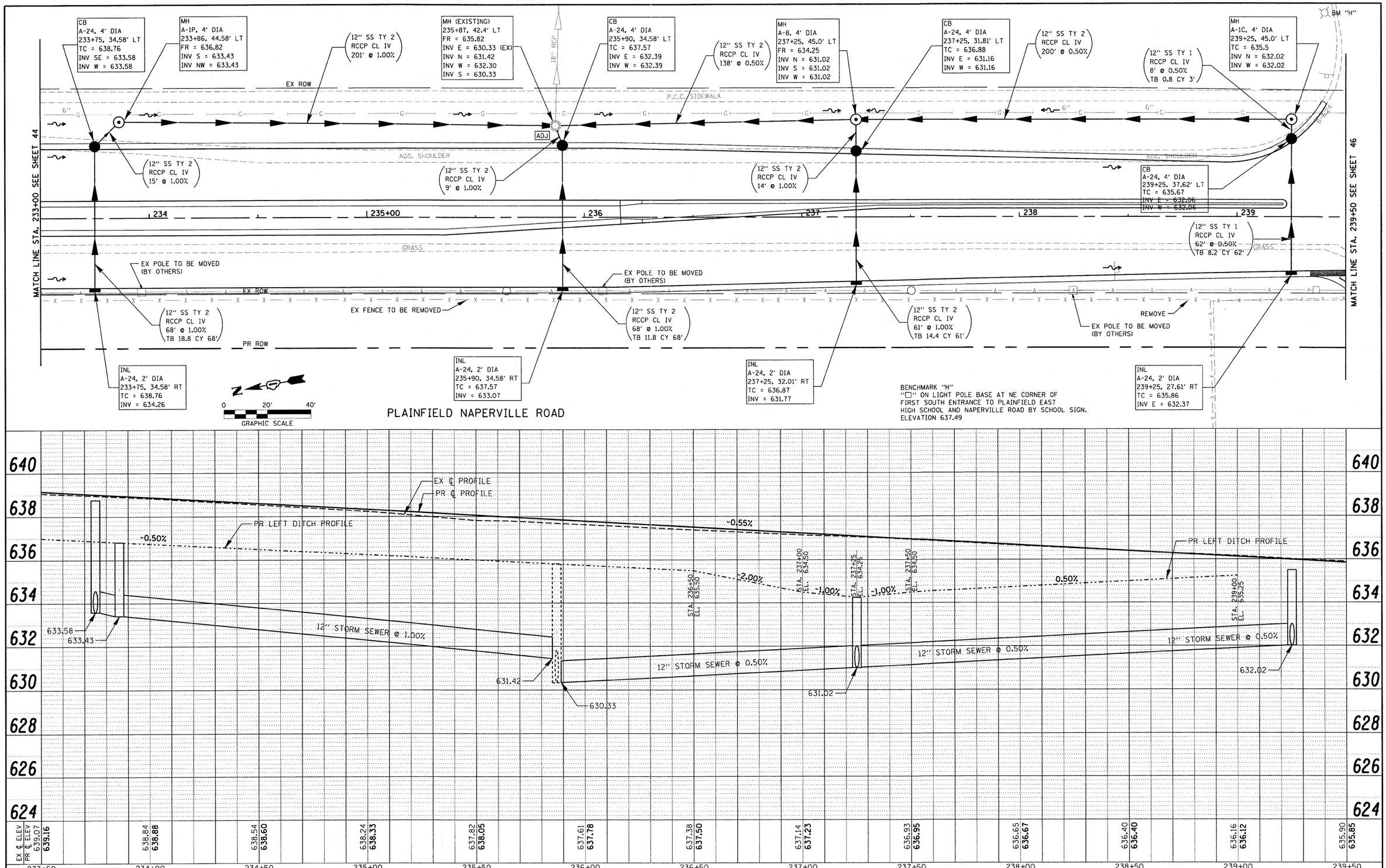
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SHEET NO. 5 OF 7 SHEETS STA. 227+50 TO STA. 233+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	44

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



PLAN

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R.O.W. CHECKED		
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PROFILE

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GRADES CHECKED		
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STRUCTURE NOTATNS CHKD		
NOTE BOOK NO.		

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

SCALE: 1" = 20'

UTILITY PLAN & PROFILE

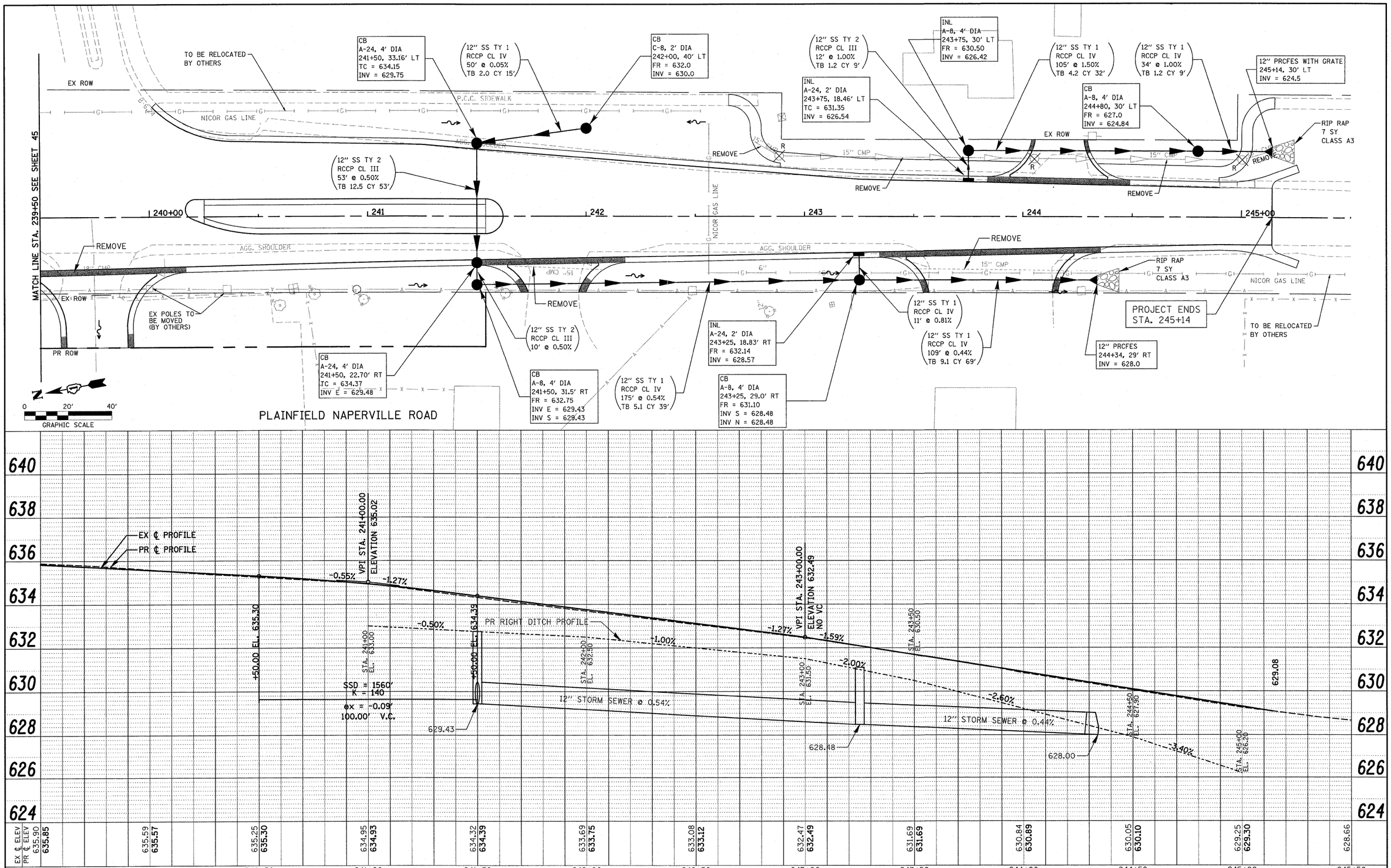
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SHEET NO. 6 OF 7 SHEETS STA. 233+00 TO STA. 238+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	45

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



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ALIGNMENT CHECKED		
RT.-OF-WAY CHECKED		
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NOTE BOOK NO.		

PROFILE	BY	DATE
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PLOTTED		
GRADES CHECKED		
B.M. NOTED		
STRUCTURE NOTATNS CHKD		
NOTE BOOK NO.		

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	PLOT DATE = 1/5/2012	DATE - FEBRUARY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

SCALE: 1" = 20'

UTILITY PLAN & PROFILE

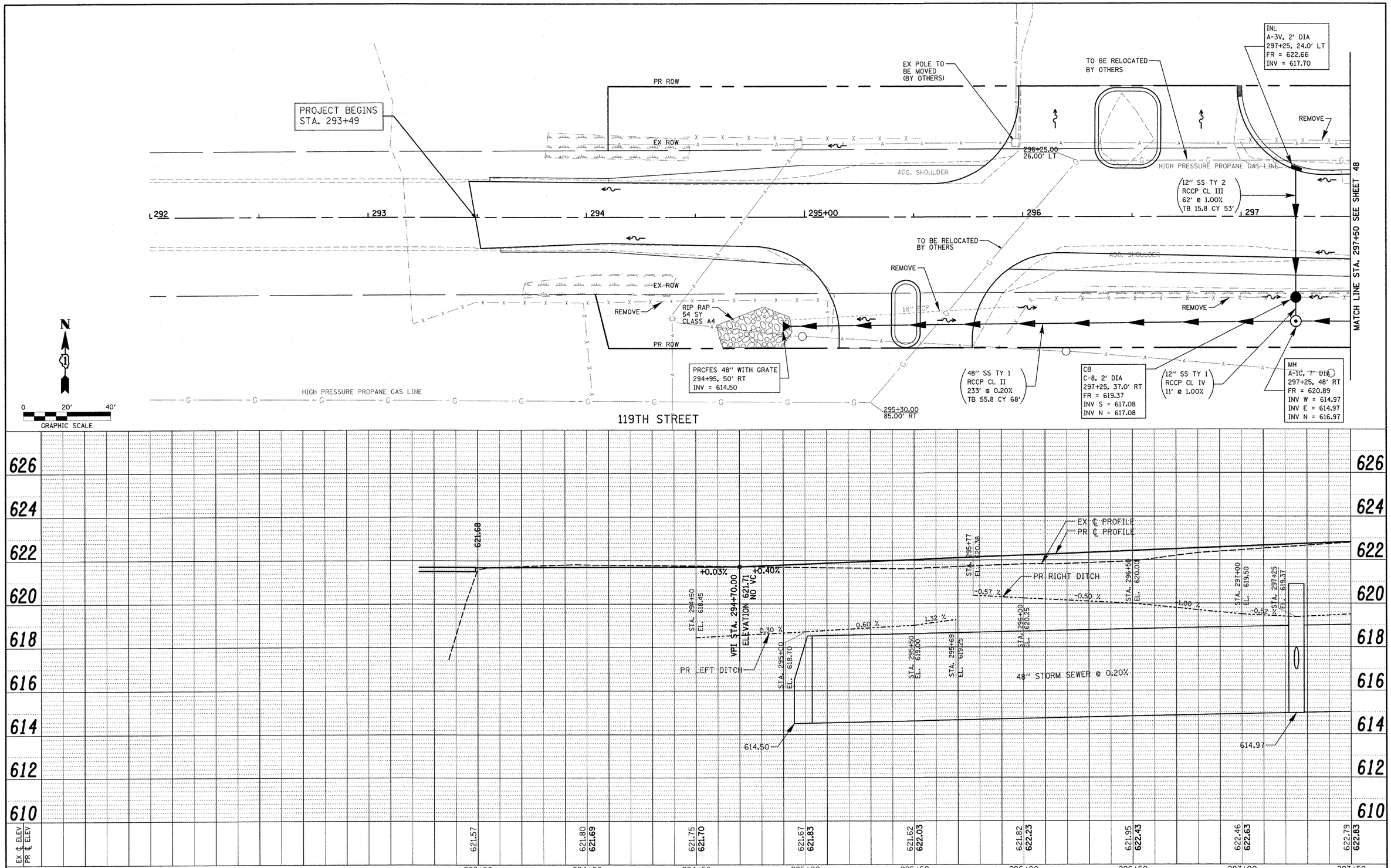
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SHEET NO. 7 OF 7 SHEETS — STA. 238+50 TO STA. 245+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	46

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



PLAN		BY	DATE
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ALIGNMENT CHECKED			
RT. OF WAY CHECKED			
NOTE BOOK	C-ADD FILE NAME		
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PROFILE		BY	DATE
SURVEYED			
PLOTTED			
GRADES CHECKED			
B.M. NOTED			
NOTE BOOK	STRUCTURE NOTATNS CHKD		
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	PLOT DATE = 1/5/2012	DATE - FEBRUARY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

SCALE: 1" = 20'

UTILITY PLAN & PROFILE

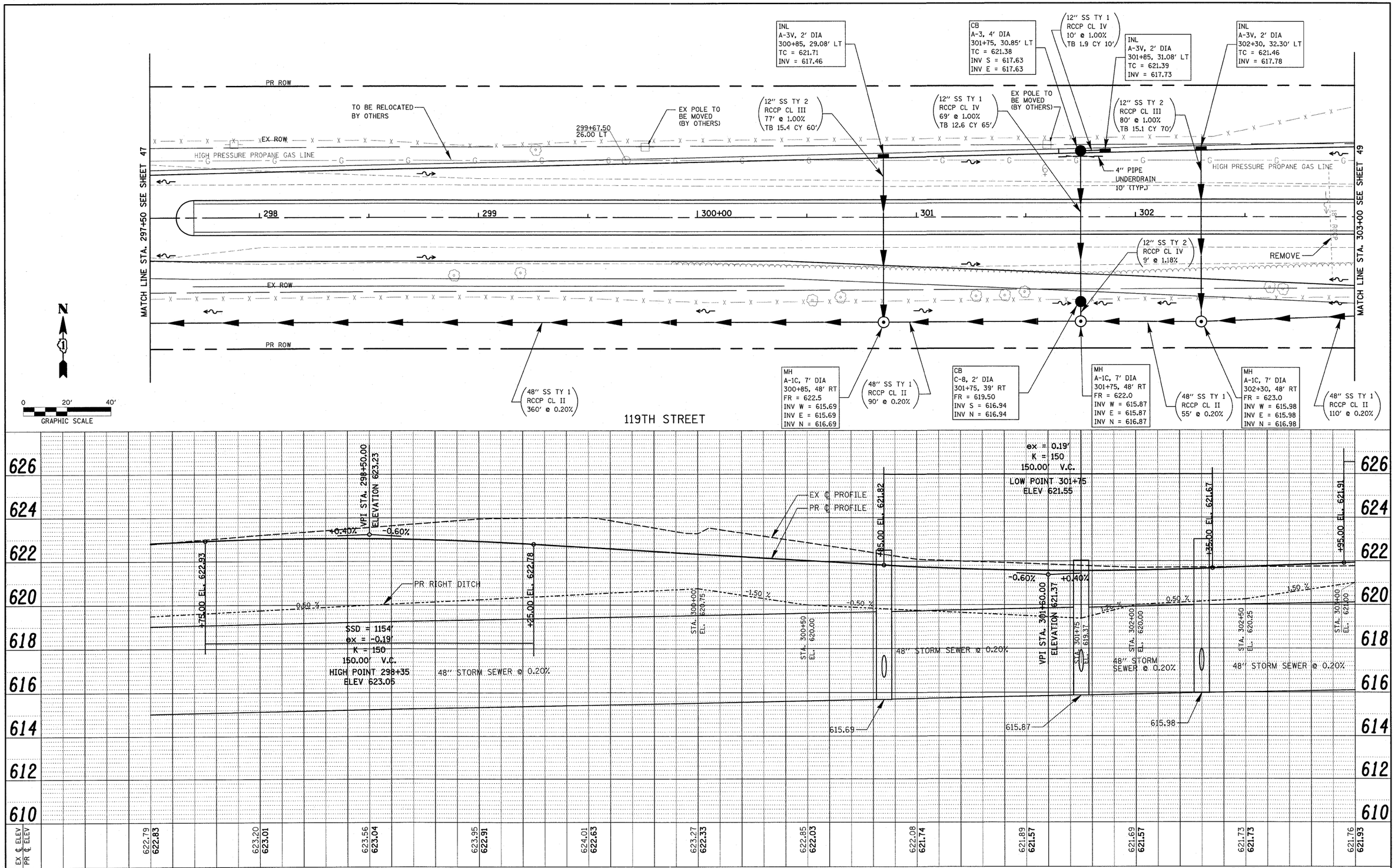
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SHEET NO. 1 OF 7 SHEETS | STA. 292+00 TO STA. 297+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3767	04-00036-22-TL	WILL	152	47

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



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	PLOT DATE = 1/5/2012	DATE - FEBRUARY 2009	REVISED -		SCALE: 1" = 20'

UTILITY PLAN & PROFILE

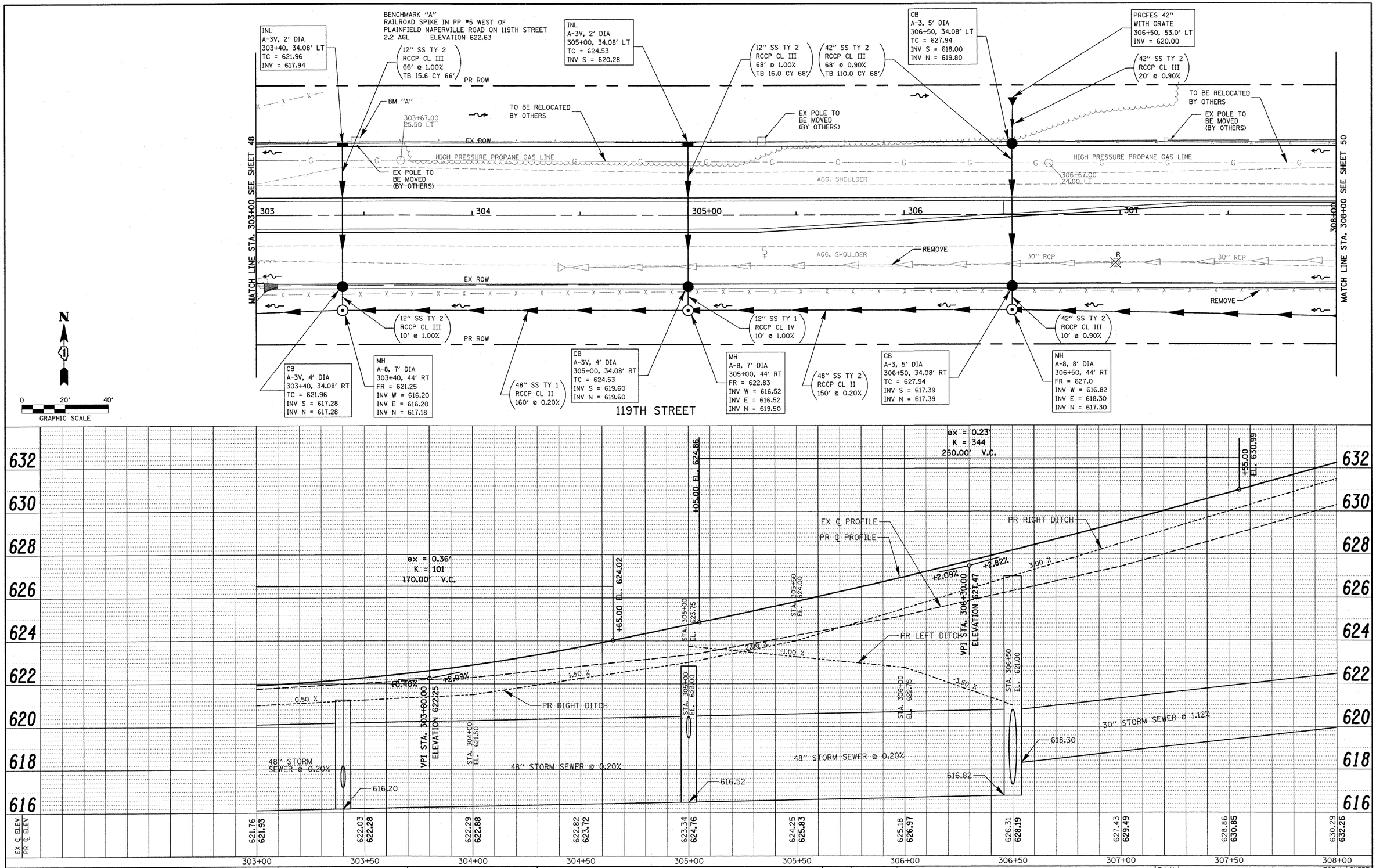
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SHEET NO. 2 OF 7 SHEETS STA. 297+50 TO STA. 303+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3767	04-00036-22-TL	WILL	152	48

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



PLAN	BY	DATE
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PLOTTED		
ALGNMT CHECKED		
RT. OF WAY CHECKED		
NOTE BOOK		
NO.		
CADD FILE NAME		

PROFILE	BY	DATE
SURVEYED		
PLOTTED		
GRADES CHECKED		
S.M. NOTED		
NOTE BOOK		
NO.		
STRUCTURE NOTATNS CHKD		

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	PLOT DATE = 1/5/2012	DATE - FEBRUARY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

H&LR

SCALE: 1" = 20'

UTILITY PLAN & PROFILE

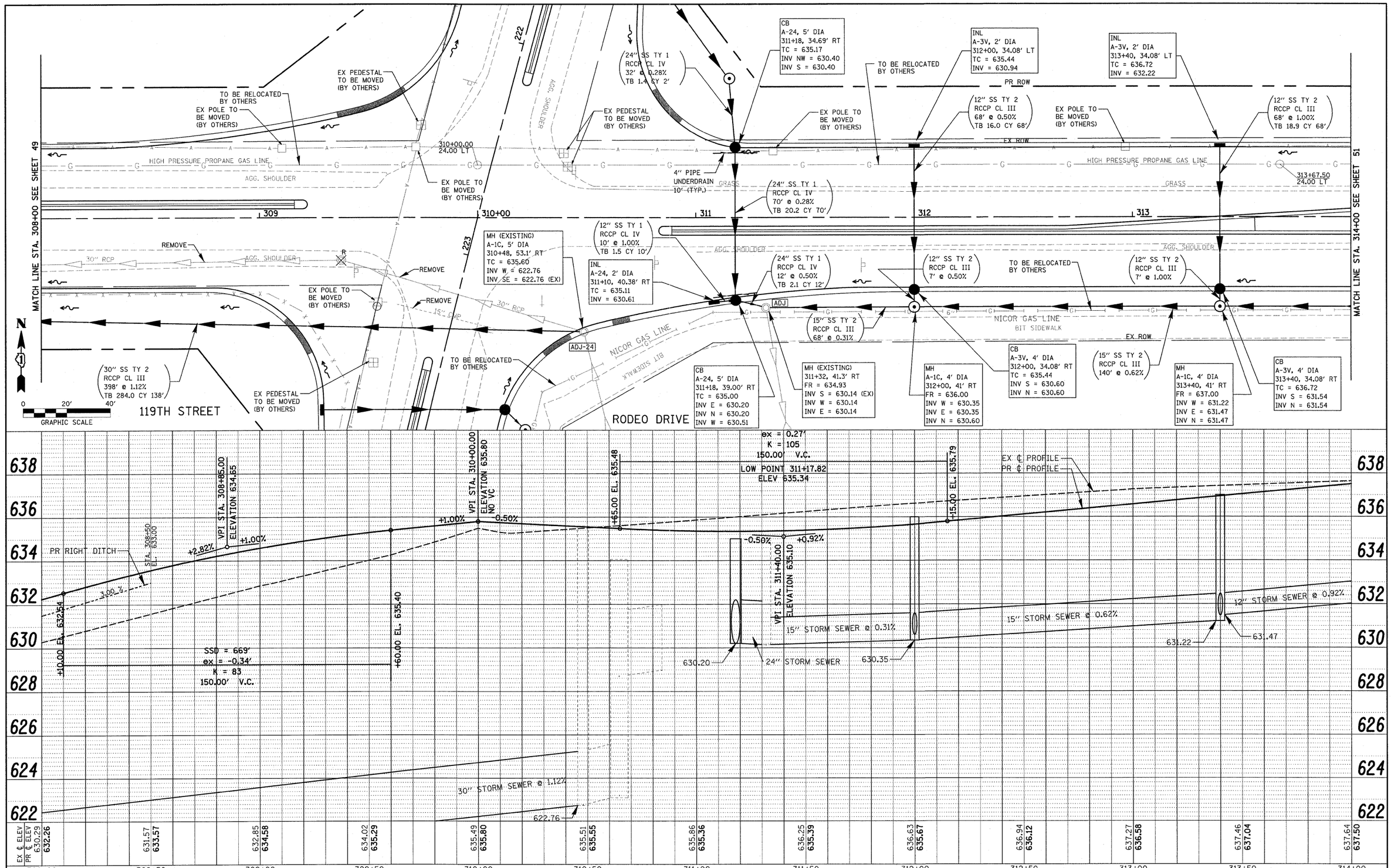
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SHEET NO. 3 OF 7 SHEETS STA. 303+00 TO STA. 308+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3767	04-00036-22-TL	WILL	152	49

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



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	PLOT DATE = 1/5/2012	DATE - FEBRUARY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

SCALE: 1" = 20'

UTILITY PLAN & PROFILE

PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SHEET NO. 4 OF 7 SHEETS | STA. 308+00 TO STA. 314+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3767	04-00036-22-TL	WILL	152	50

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT

BENCHMARK "D"
RR SPIKE IN 4TH PP EAST OF NAPERVILLE PLAINFIELD ROAD
NORTH SIDE OF 119TH STREET.
1.50 AGL ELEVATION 640.88

(12" SS TY 1 RCCP CL IV 12' @ 1.00%)

CB C-8, 2' DIA 315+50, 46' LT FR = 636.00 INV = 634.28

CB A-3V, 4' DIA 315+50, 34.08' LT TC = 638.66 INV = 634.16

(12" SS TY 2 RCCP CL III 68' @ 1.00% TB 18.9 CY 68')

TO BE RELOCATED BY OTHERS

BM "D"

EX POLE TO BE MOVED (BY OTHERS)

318+67.50 25.00 LT

EX POLE TO BE MOVED (BY OTHERS)

PR ROW

EX ROW

HIGH PRESSURE PROPANE GAS LINE

EX POLE TO BE MOVED (BY OTHERS)

AGG. SHOULDER

315+00 316 317 318 319

(12" SS TY 2 RCCP CL III 7' @ 1.00%)

(12" SS TY 2 RCCP CL III 11' @ 1.00%)

NICOR GAS LINE

TO BE RELOCATED BY OTHERS

BIT SIDEWALK

(12" SS TY 2 RCCP CL III 210' @ 0.92%)

MH A-1C, 4' DIA 315+50, 41' RT FR = 638.40 INV W = 633.41 INV E = 633.41 INV N = 633.41

CB A-3V, 4' DIA 315+50, 34.08' RT TC = 638.66 INV S = 633.48 INV N = 633.48

(12" SS TY 2 RCCP CL III 192' @ 0.71%)

MH A-1C, 4' DIA 317+42, 41' RT FR = 639.30 INV W = 634.78 INV NE = 634.78

INL A-3V, 2' DIA 317+50, 34.08' RT TC = 639.93 INV = 634.89

RODEO DRIVE

MATCH LINE STA. 314+00 SEE SHEET 50

MATCH LINE STA. 320+00 SEE SHEET 52

N

0 20' 40'
GRAPHIC SCALE

PLAN
NOTE BOOK NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
R.O.W. CHECKED
CADD FILE NAME
BY
DATE

PROFILE
NOTE BOOK NO.
SURVEYED
PLOTTED
GRADES CHECKED
B.M. NOTED
STRUCTURE NOTAT'NS CHK'D
BY
DATE

642 640 638 636 634 632 630 628 626

EX ℄ PROFILE
PR ℄ PROFILE

VPI STA. 316+40.00
ELEVATION 639.72

+0.92% +0.40%

STA. 315+00 EL. 636.00

+65.00 EL. 638.03

0.60 %

SSD = 2134'
ex = -0.10'
K = 286
150.00' V.C.

+15.00 EL. 640.02

12" STORM SEWER @ 0.71%

12" STORM SEWER @ 0.92%

633.41

634.78

PR LEFT DITCH

0.60 %

+35.00 EL. 640.90

+0.4

STA. 320+00 EL. 639.00

	314+00	314+50	315+00	315+50	316+00	316+50	317+00	317+50	318+00	318+50	319+00	319+50	320+00
EX ℄ ELEV	637.50	637.95	638.25	638.74	639.24	639.69	640.13	640.33	640.53	640.63	640.74	640.65	640.57
PR ℄ ELEV	637.64	637.96	638.43	638.89	639.33	639.69	639.96	640.16	640.36	640.56	640.76	640.95	641.05

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	PLOT DATE = 1/5/2012	DATE - FEBRUARY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

SCALE: 1" = 20'

UTILITY PLAN & PROFILE
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

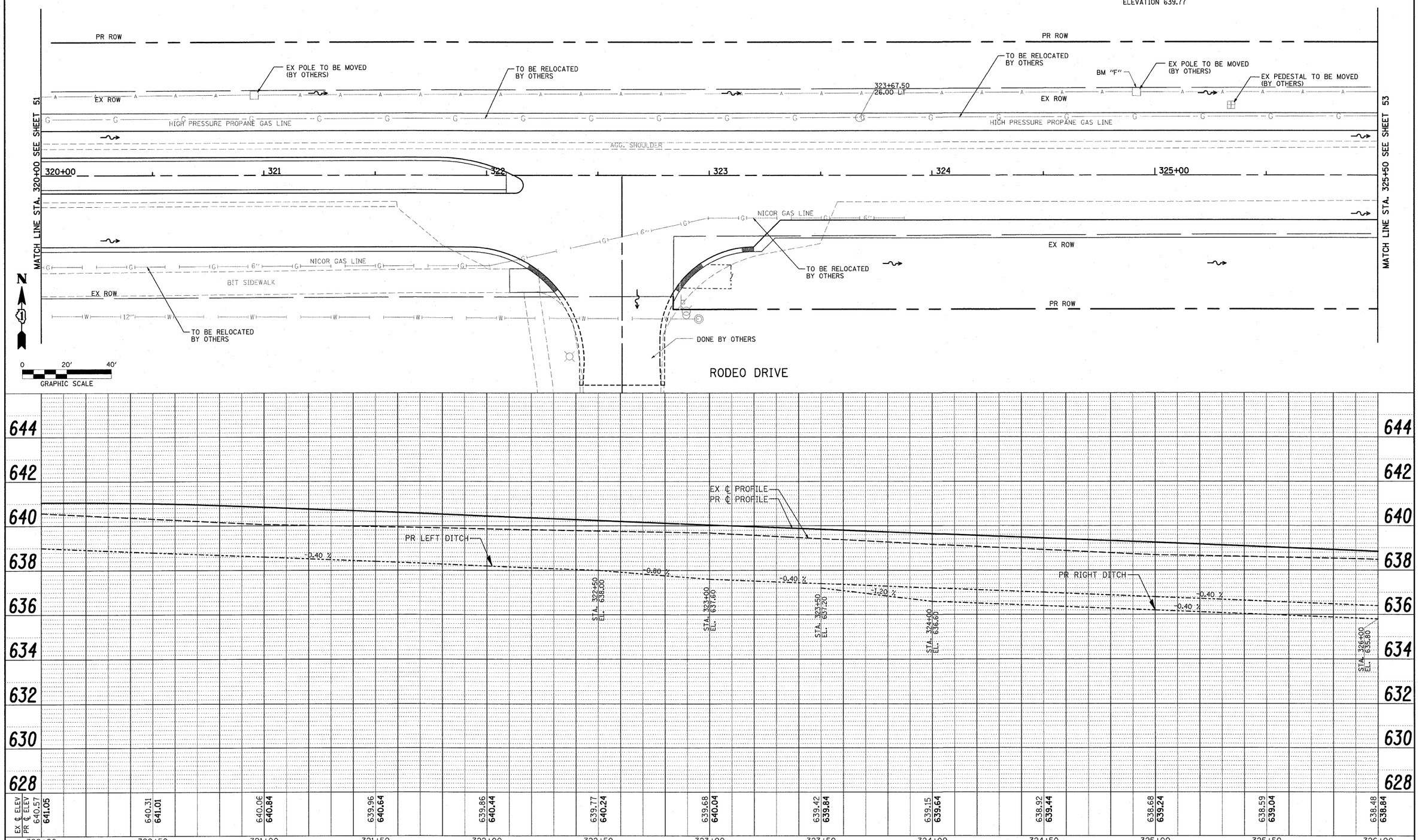
SHEET NO. 5 OF 7 SHEETS STA. 314+00 TO STA. 320+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3767	04-00036-22-TL	WILL	152	51

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT

BENCHMARK "F"
RR SPIKE IN 7TH PP EAST OF NAPERVILLE PLAINFIELD ROAD
ON NORTH SIDE OF 119TH STREET.
ELEVATION 639.77



PLAN	BY	DATE
SURVEYED		
PLOTTED		
GRADES CHECKED		
R.T. OF WAY CHECKED		
NOTE BOOK		
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CADD FILE NAME		

PROFILE	BY	DATE
SURVEYED		
PLOTTED		
GRADES CHECKED		
NOTE BOOK		
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STRUCTURE NOTAT'NS CHKD		

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	PLOT DATE = 1/5/2012	DATE - FEBRUARY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

SCALE: 1" = 20'

UTILITY PLAN & PROFILE

PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

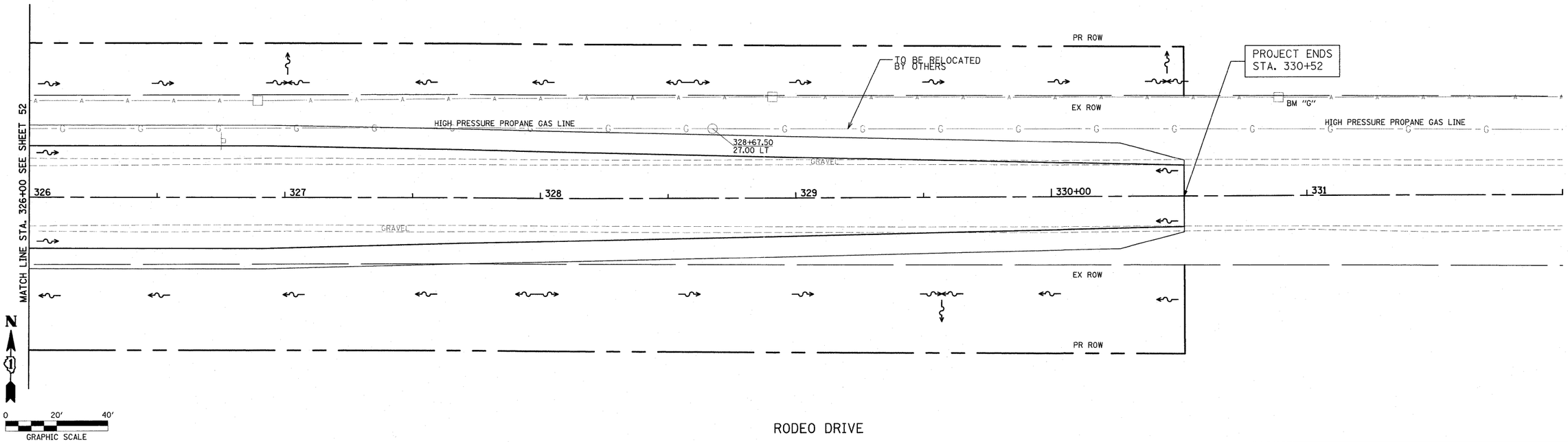
SHEET NO. 6 OF 7 SHEETS | STA. 320+00 TO STA. 326+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3767	04-00036-22-TL	WILL	152	52

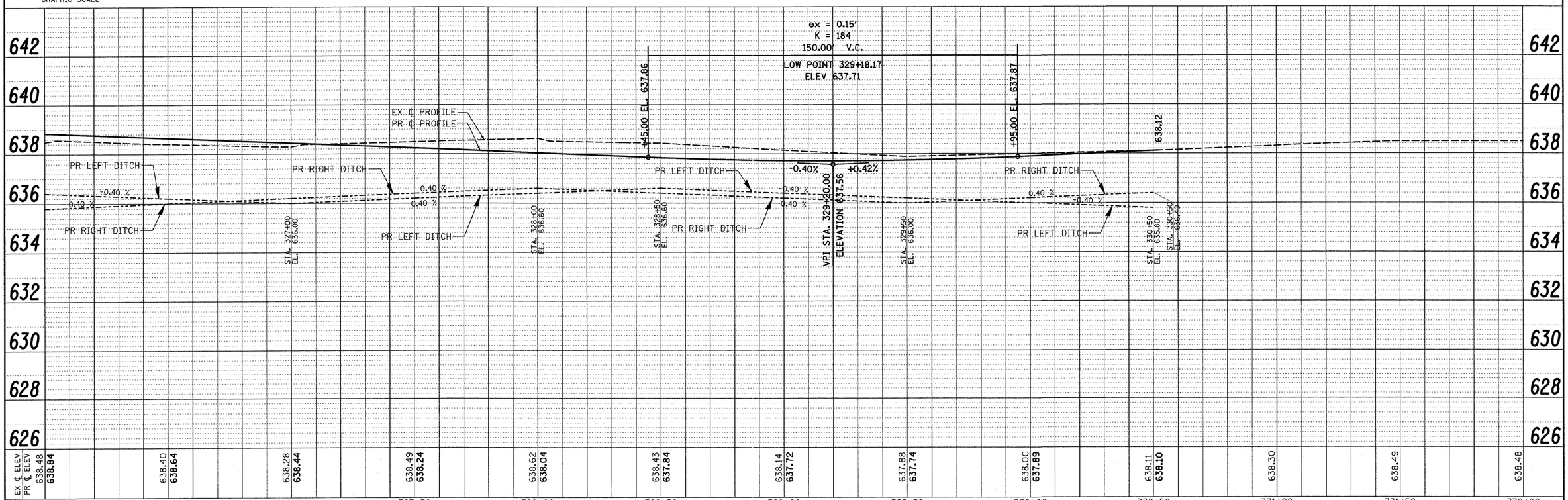
CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT

BENCHMARK "G"
RR SPIKE IN 10TH PP EAST OF PLAINFIELD NAPERVILLE ROAD
ON NORTH SIDE OF 119TH STREET
ELEVATION 638.64



RODEO DRIVE



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	PLOT DATE = 1/5/2012	CHECKED - RN	REVISED -		
		DATE - FEBRUARY 2009	REVISED -		

UTILITY PLAN & PROFILE
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR
SHEET NO. 7 OF 7 SHEETS STA. 326+00 TO STA. 332+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3767	04-00036-22-TL	WILL	152	53

CONTRACT NO. 63671
ILLINOIS FED. AID PROJECT

PLAN		BY	DATE
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	PLOTTED		
	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		
NOTE BOOK	CADD FILE NAME		
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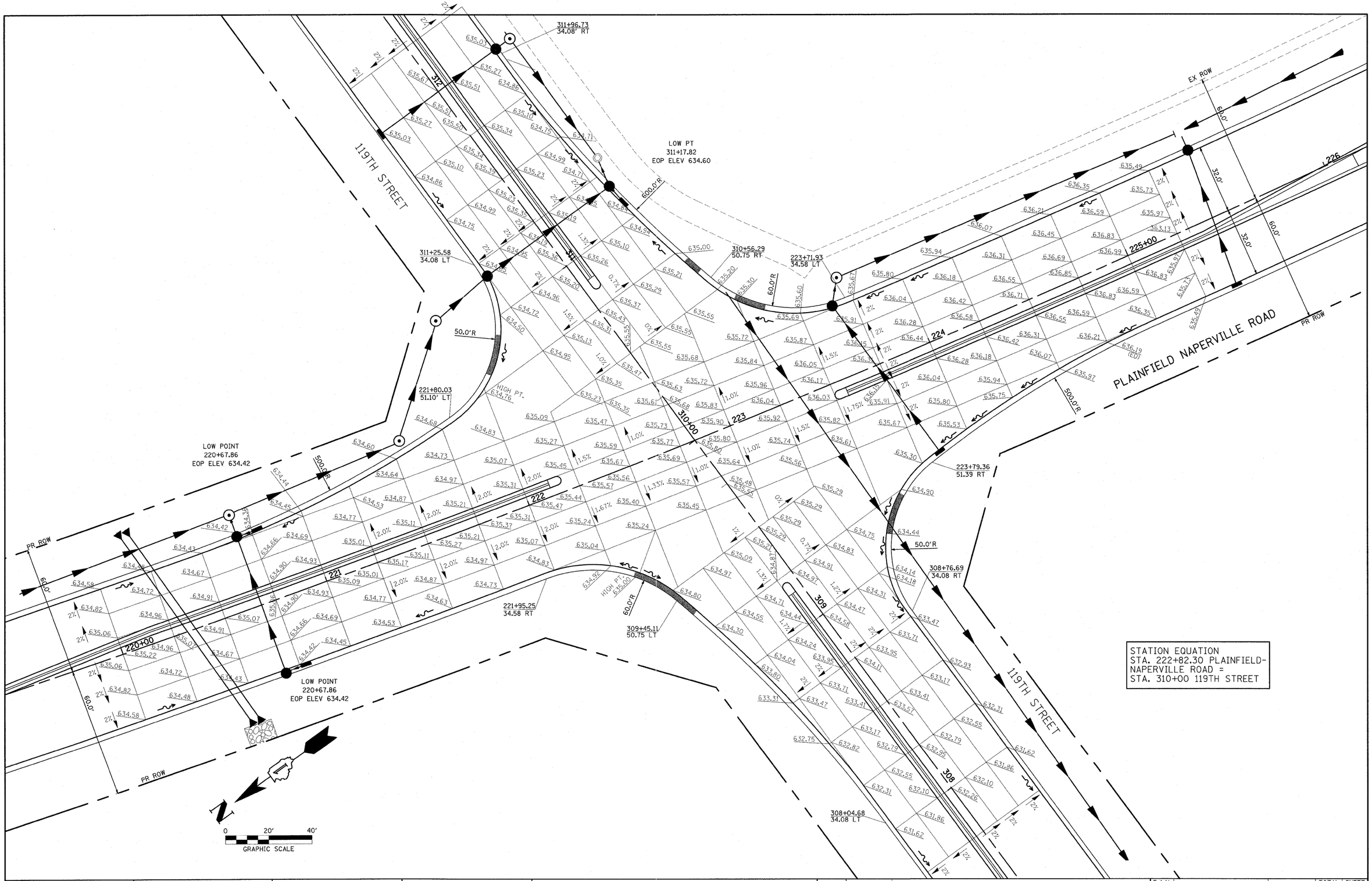
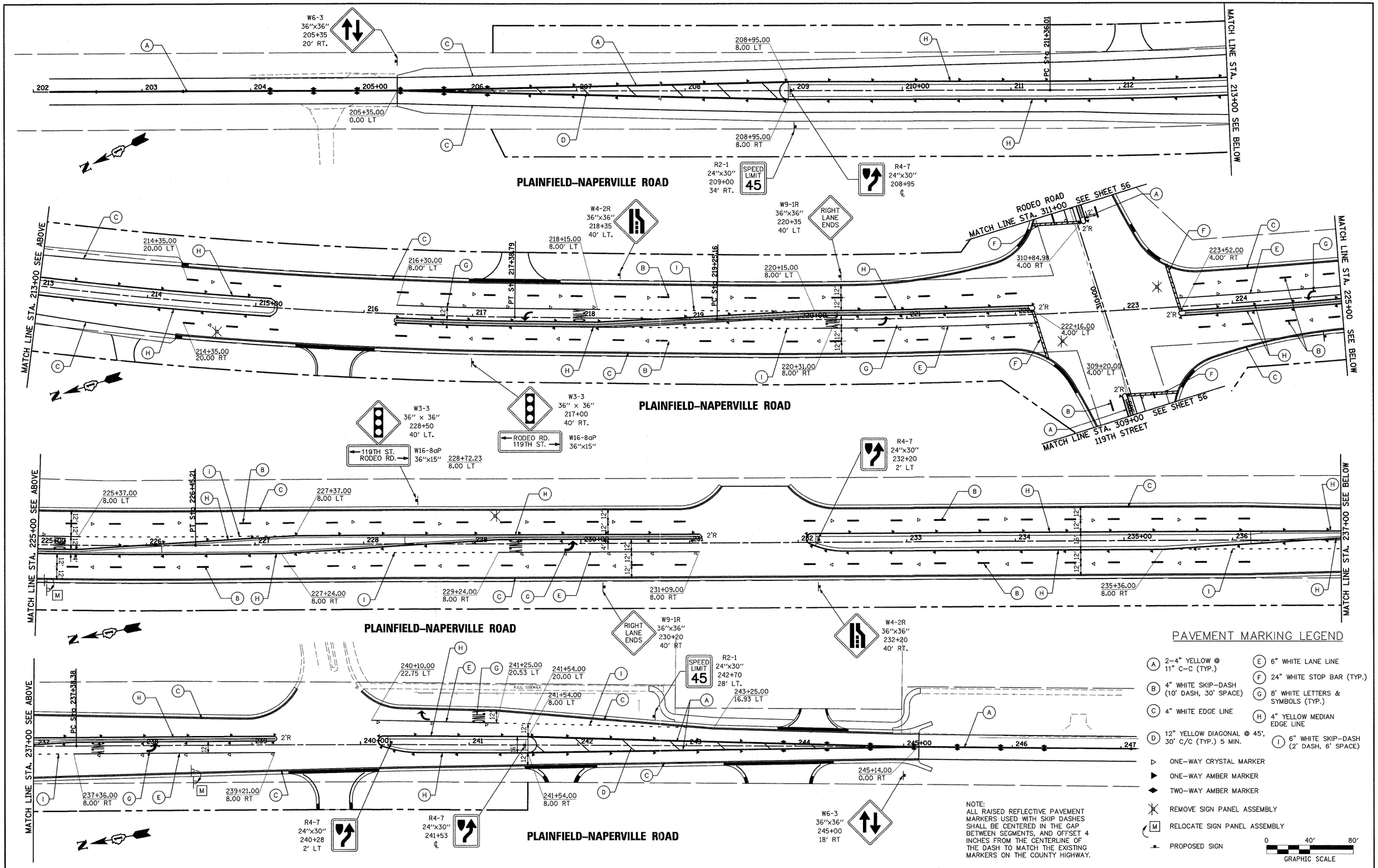
PROFILE		BY	DATE
	SURVEYED		
	PLOTTED		
	GRADES CHECKED		
NOTE BOOK	BM. NOTED		
NO.	STRUCTURE NOTATNS CHKD		



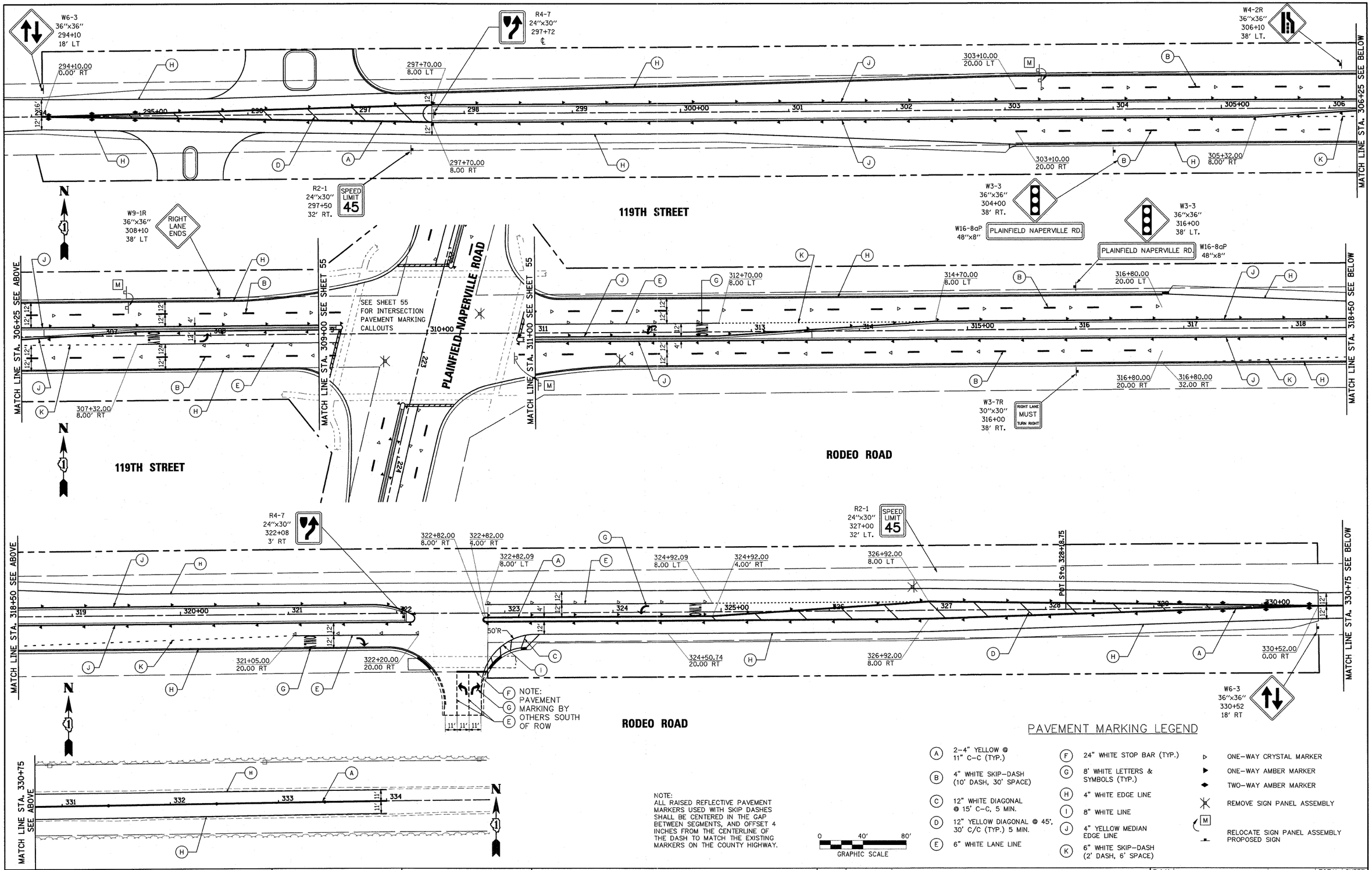
STATION EQUATION
STA. 222+82.30 PLAINFIELD-NAPERVILLE ROAD =
STA. 310+00 119TH STREET

FILE NAME = P:\070116\cad\phase 2\dwg\070116-sht-intersection.dgn	USER NAME = $USER$	DESIGNED - CM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HLR	INTERSECTION GRADING PLAN PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - JM	REVISED -				324	04-00036-22-TL	WILL	152	54
	PLOT SCALE = $SCALE$	CHECKED - CM	REVISED -						CONTRACT NO. 63671		
	PLOT DATE = 1/5/2012	DATE - FEBRUARY 2009	REVISED -		SCALE: 1" = 20'	SHEET NO. OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT			



NOTE:
ALL RAISED REFLECTIVE PAVEMENT MARKERS USED WITH SKIP DASHES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS, AND OFFSET 4 INCHES FROM THE CENTERLINE OF THE DASH TO MATCH THE EXISTING MARKERS ON THE COUNTY HIGHWAY.

FILE NAME = P:\070116\cad\phase 2\dwg\070116-sht-pvmlmrk.dgn	USER NAME = $USER$	DESIGNED - CM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HLR	PAVEMENT MARKING - PLAINFIELD NAPERVILLE ROAD	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - JM	REVISED -			PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR	324	04-00036-22-TL	WILL	152	55
	PLOT SCALE = $SCALE$	CHECKED - CM	REVISED -						CONTRACT NO. 63671		
	PLOT DATE = 1/5/2012	DATE - FEBRUARY 2009	REVISED -		SCALE: 1" = 40'	SHEET NO. 1 OF 1 SHEETS STA. 204+50 TO STA. 245+00		ILLINOIS	FED. AID PROJECT		



PAVEMENT MARKING LEGEND

- (A) 2-4" YELLOW @ 11" C-C (TYP.)
- (B) 4" WHITE SKIP-DASH (10' DASH, 30' SPACE)
- (C) 12" WHITE DIAGONAL @ 15' C-C, 5 MIN.
- (D) 12" YELLOW DIAGONAL @ 45°, 30' C/C (TYP.) 5 MIN.
- (E) 6" WHITE LANE LINE
- (F) 24" WHITE STOP BAR (TYP.)
- (G) 8' WHITE LETTERS & SYMBOLS (TYP.)
- (H) 4" WHITE EDGE LINE
- (I) 8" WHITE LINE
- (J) 4" YELLOW MEDIAN EDGE LINE
- (K) 6" WHITE SKIP-DASH (2' DASH, 6' SPACE)
- ▷ ONE-WAY CRYSTAL MARKER
- ▶ ONE-WAY AMBER MARKER
- ◆ TWO-WAY AMBER MARKER
- REMOVE SIGN PANEL ASSEMBLY
- (M) RELOCATE SIGN PANEL ASSEMBLY
- PROPOSED SIGN

NOTE:
ALL RAISED REFLECTIVE PAVEMENT MARKERS USED WITH SKIP DASHES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS, AND OFFSET 4 INCHES FROM THE CENTERLINE OF THE DASH TO MATCH THE EXISTING MARKERS ON THE COUNTY HIGHWAY.

0 40' 80'
GRAPHIC SCALE

FILE NAME = P:\070116\cad\phase 2\dwg\070116-sht-pvmtmrk.dgn	USER NAME = $USER$	DESIGNED - CM	REVISED -
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	PLOT DATE = 1/5/2012	DATE - FEBRUARY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

SCALE: 1" = 40'

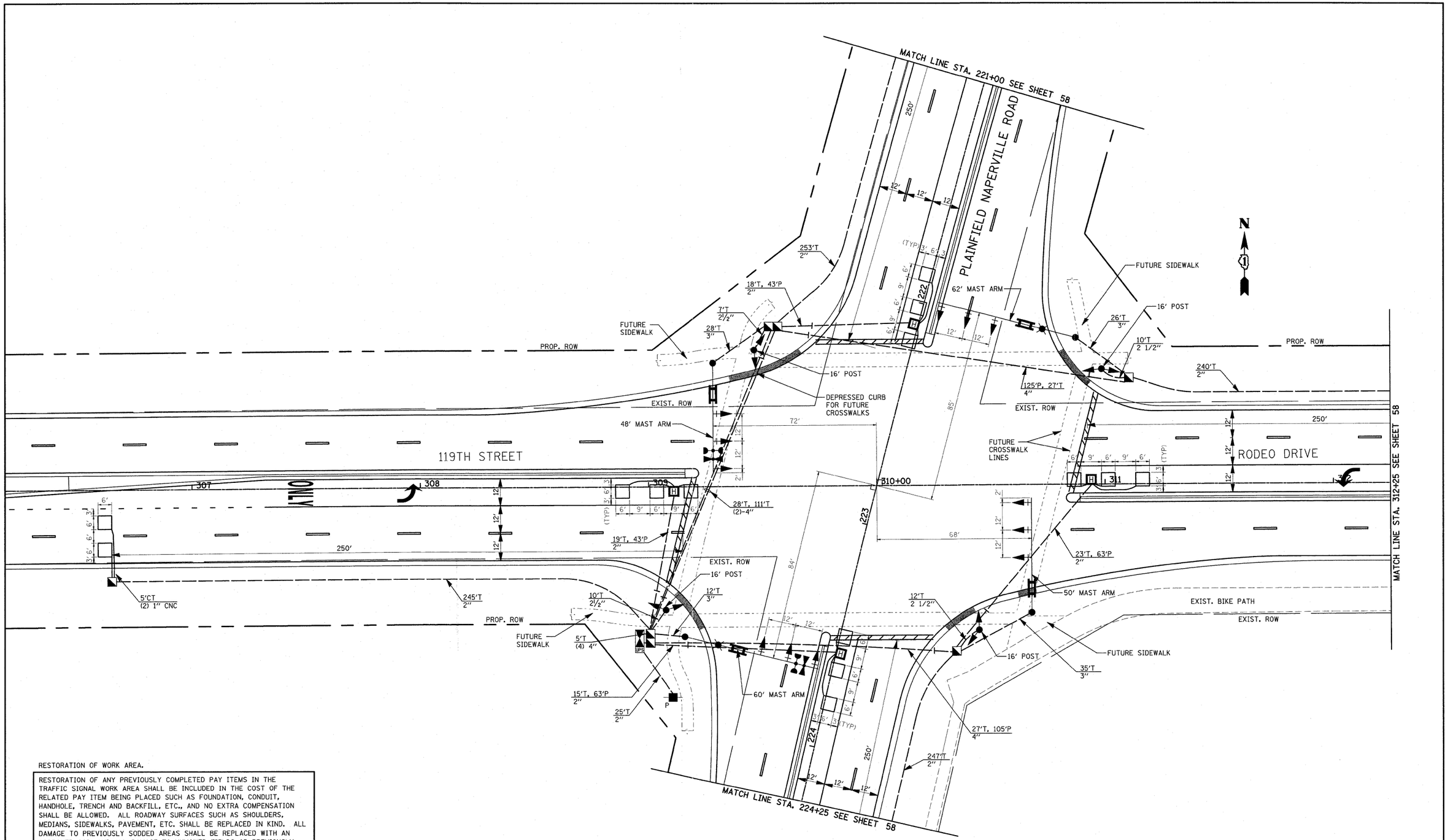
PAVEMENT MARKING - 119TH STREET /RODEO DRIVE
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SHEET NO. 1 OF 1 SHEETS | STA. 284+00 TO STA. 331+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	56

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



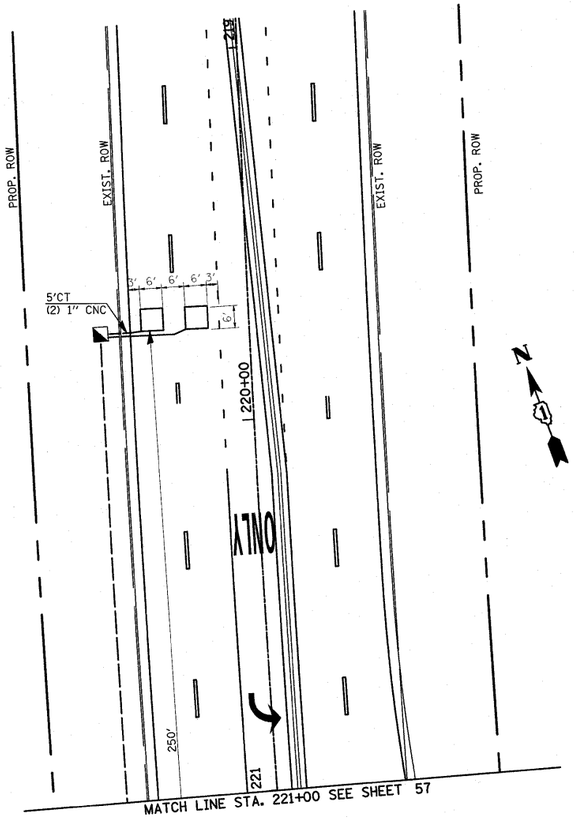
RESTORATION OF WORK AREA.

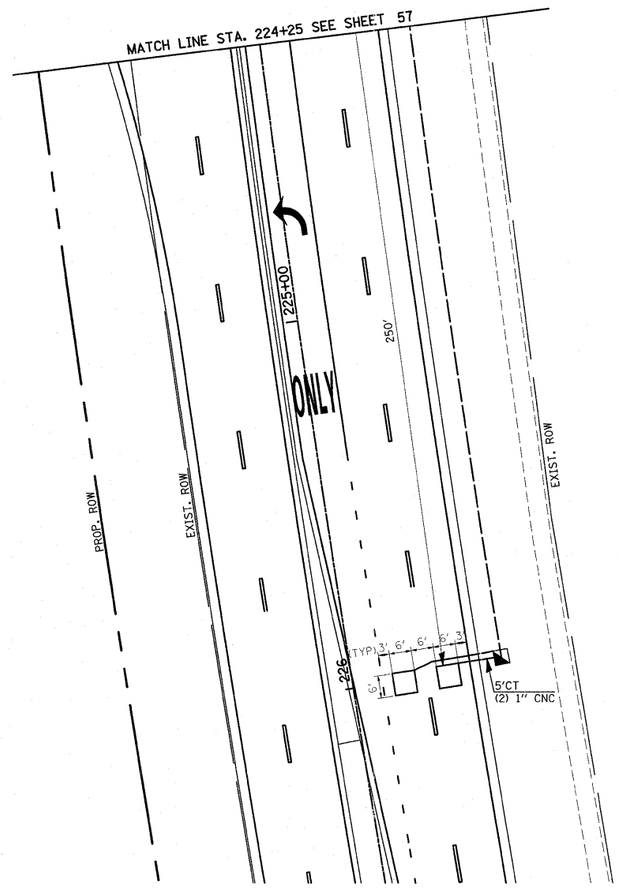
RESTORATION OF ANY PREVIOUSLY COMPLETED PAY ITEMS IN THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE COST OF THE RELATED PAY ITEM BEING PLACED SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO PREVIOUSLY SODDED AREAS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS OR PREVIOUSLY SEEDED AREAS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

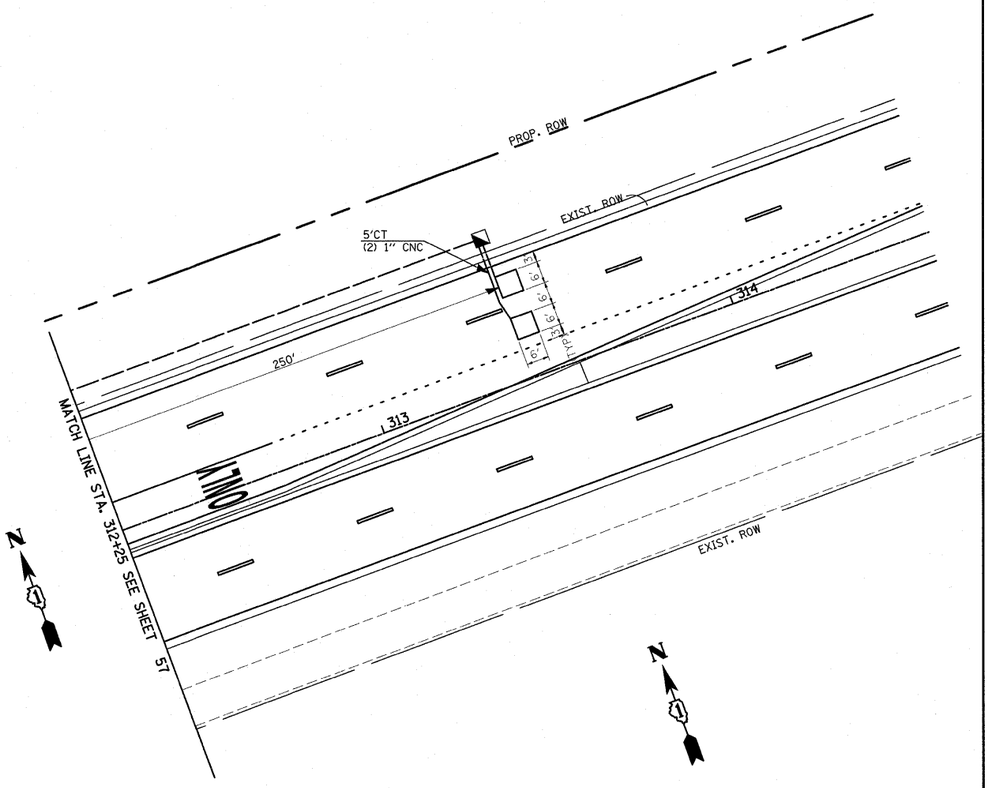
0 20' 40'
GRAPHIC SCALE

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE MANUFACTURED BY THE ECONOLITE CORPORATION TO MATCH THE EXISTING VILLAGE MAINTANED SYSTEM

FILE NAME = P:\070116\cad\phase 2\dwg\070116-sht-ts.dgn	USER NAME = $USER$	DESIGNED - JAS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	HLR	TRAFFIC SIGNAL PLAN	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - JH	REVISED -			PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR	324	04-00036-22-TL	WILL	152 / 57
	PLOT SCALE = $SCALE$	CHECKED - CM	REVISED -						CONTRACT NO. 63671	
	PLOT DATE = 1/5/2012	DATE - AUGUST 2009	REVISED -		SCALE: 1" = 20'	SHEET NO. 1 OF 2 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT	







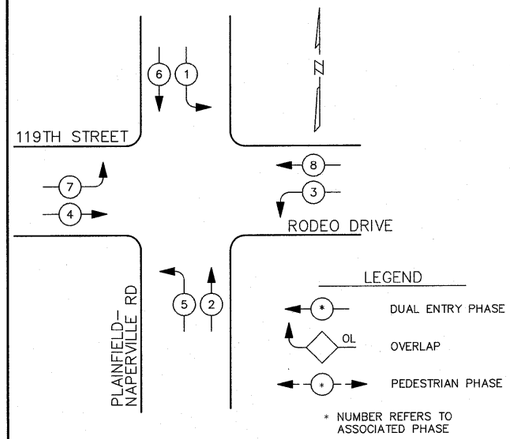
RESTORATION OF WORK AREA.

RESTORATION OF ANY PREVIOUSLY COMPLETED PAY ITEMS IN THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE COST OF THE RELATED PAY ITEM BEING PLACED SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO PREVIOUSLY SODDED AREAS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS OR PREVIOUSLY SEEDED AREAS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

0 20' 40'
GRAPHIC SCALE

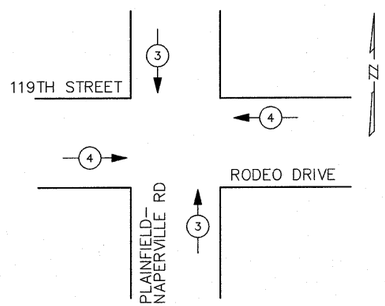
FILE NAME = P:\070116\cad\phase 2\dwg\070116-sht-ts.dgn	USER NAME = $USER$	DESIGNED - JAS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	H&LR	TRAFFIC SIGNAL PLAN PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - JM	REVISED -				324	04-00036-22-TL	WILL	152	58
	PLOT SCALE = $SCALE$	CHECKED - CM	REVISED -						CONTRACT NO. 63671		
	PLOT DATE = 1/5/2012	DATE - FEBRUARY 2009	REVISED -		SCALE: 1" = 20'	SHEET NO. 1 OF 1 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT		

CONTROLLER SEQUENCE

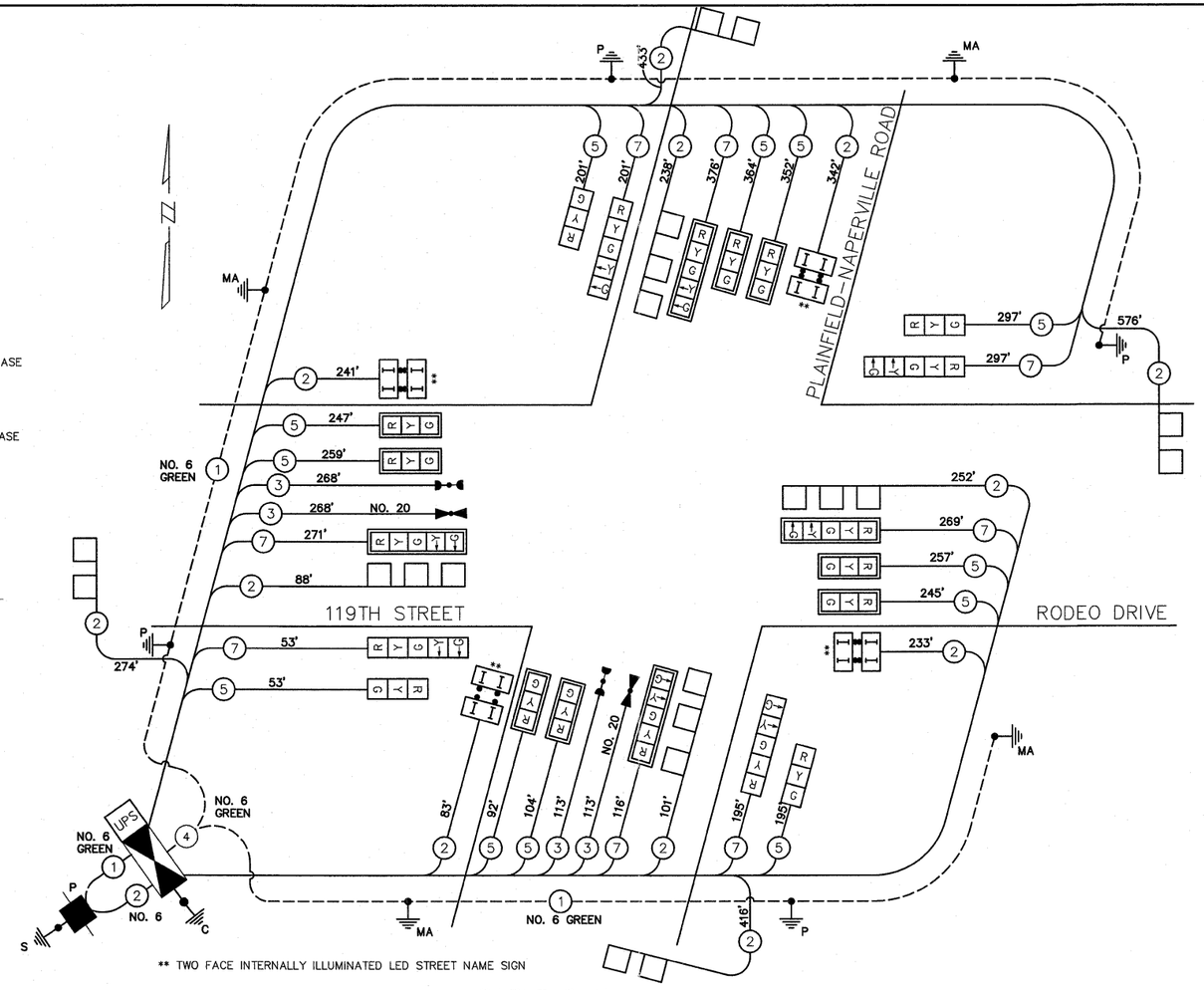


PHASE DESIGNATION DIAGRAM

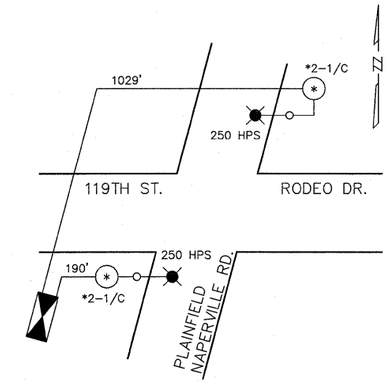
EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT		



CABLE PLAN



NOTES:
1. 2 EACH – NO. 10 1/C (TYP TO BOTH LUMINAIRES)
2. 250 WATT HPS FIXTURES WITH PHOTO CELLS.
3. LIGHTING ON A SEPERATE 20 AMP BREAKER ISOLATED FROM THE UPS & TRAFFIC SIGNALS.
4. 15'-0" LUMINAIRE MAST ARMS.

COMBINATION MAST ARM LIGHTING CABLE PLAN

TRAFFIC SIGNAL SUMMARY OF QUANTITIES

ITEM NO	PI NO	DESCRIPTION	UNIT	QTY	SPEC
1	80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	1	
2	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1287	
3	81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	51	
4	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	113	
5	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	578	
6	81400100	HANDHOLE	EACH	6	
7	81400200	HEAVY-DUTY HANDHOLE	EACH	4	
8	81400300	DOUBLE HANDHOLE	EACH	2	
9	81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	1029	
10	82103250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 250 WATT	EACH	2	
11	86200200	UNINTERRUPTABLE POWER SUPPLY, STANDARD	EACH	1	
12	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	899	
13	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	381	
14	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2665	
15	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1777	
16	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2333	
17	87301605	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	53	
18	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	853	
19	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4	
20	87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1	
21	87700290	STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1	
22	87704220	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT. (SPECIAL)	EACH	1	*
23	87704230	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 62 FT. (SPECIAL)	EACH	1	*
24	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	20	
25	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4	
26	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	26	*
27	87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	42	*
28	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8	
29	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4	
30	88030240	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	4	
31	88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	12	
32	88500100	INDUCTIVE LOOP DETECTOR	EACH	8	
33	88600100	DETECTOR LOOP, TYPE I	FOOT	648	
34	88700200	LIGHT DETECTOR	EACH	2	
35	88700300	LIGHT DETECTOR AMPLIFIER	EACH	1	
36	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	381	*
37	X2080250	TRENCH BACKFILL, SPECIAL	CU YD	395	*
38	X8570225	FULL-ACTUATED CONTROLLER AND CABINET, TYPE IV, SPECIAL	EACH	1	*
39	XX005937	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4	*

I.D.O.T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	x WATTAGE INCAND.	x WATTAGE LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	20		17	0.50	170.0
(YELLOW)	20		25	0.25	125.0
(GREEN)	20		15	0.25	75.0
ARROW	16		12	0.10	19.2
PED. SIGNAL					
CONTROLLER	1		100	1.00	100
ILLUM. SIGN	4		90	0.50	180
-					
STREET LIGHTS	2	250		0.50	250
-					
FLASHER				0.50	
ENERGY COSTS TO:				TOTAL =	689.20

VILLAGE OF BOLINGBROOK
375 WEST BRIARCLIFF RD.
BOLINGBROOK, IL 60440

ENERGY SUPPLY CONTACT: DELORES KREMNITZER
PHONE: (815) 724-5558
COMPANY: COMED

RESTORATION OF WORK AREA.

RESTORATION OF ANY PREVIOUSLY COMPLETED PAY ITEMS IN THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE COST OF THE RELATED PAY ITEM BEING PLACED SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO PREVIOUSLY SODDED AREAS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS OR PREVIOUSLY SEEDED AREAS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL MATCH THE EXISTING VILLAGE MAINTAINED SYSTEM.

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		DRAWN - JH	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - CM	REVISED -
	PLOT DATE = 1/5/2012	DATE - AUGUST 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR
SCALE: NONE

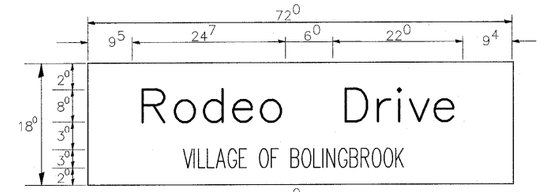
TRAFFIC SIGNAL CABLE PLAN, PHASE DESIGNATION DIAGRAMS, SCHEDULE OF QUANTITIES AND LIGHTING CABLE PLAN
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

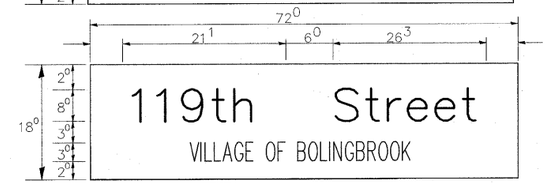
SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	59

CONTRACT NO. 63671

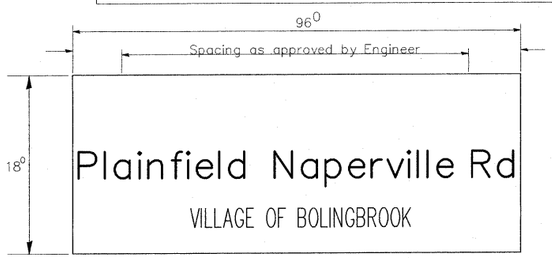
ILLINOIS FED. AID PROJECT



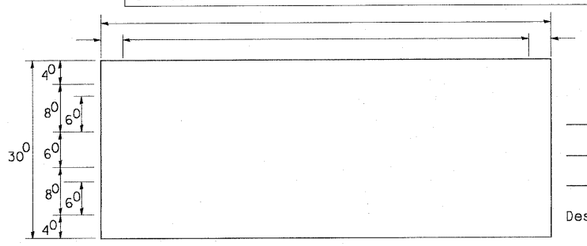


NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS

INTERNALLY ILLUMINATED SIGNING
SPACING AND LAYOUT TO BE APPROVED BY ENGINEER



INTERNALLY ILLUMINATED SIGNING
SPACING AND LAYOUT TO BE APPROVED BY ENGINEER



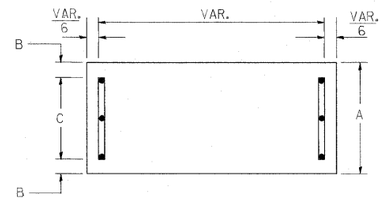
____ Sq. M. each

____ Sq. Ft. each

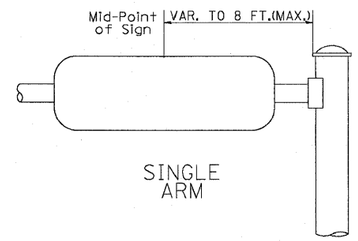
____ Required

Design Series __

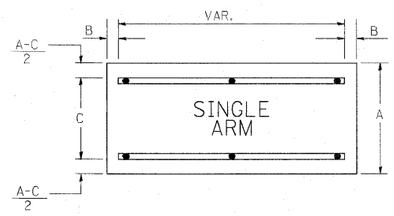
SUPPORTING CHANNELS



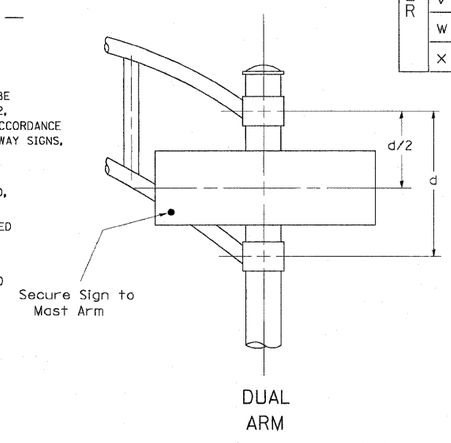
A	B	C
18"	2"	14"



SUPPORTING CHANNELS



A	B	C
18"	2"	12"
30"	2"	22"



GENERAL NOTES

1. WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
2. ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND, TYPE A SHEETING.
3. THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 8'-0".
4. ALL BORDERS SHALL BE ¾" WIDE AND CORNER RADIUS SHALL BE 2-1/4 ".
5. SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS. LOCAL SUPPLIERS OF THE SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:

* J.O. HERBERT CO.
  MIDLOTHIAN, VA.
* WESTERN REMAC INC.
  WOODRIDGE, IL.

PARTS LISTING:

SIGN CHANNEL	PART #HPN053 (MED. CHANNEL)
SIGN SCREWS	¼" x 14 x 1" H.W.H. #3 SELF TAPPING WITH NEOPRENE WASHER
BRACKETS	PART #HPN034 (UNIVERSAL) CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM shall be used. See Note #5.

Upper Case To Lower Case
Spacing Chart 8-6 Inch Series "C & D"

FIRST LETTER	SECOND LETTER: a c d e g o q		b h i k l m n p r u		f w		j		s t		v y		x		z	
SERIES	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
A W X	1^{2}	1^{4}	1^{4}	1^{5}	1^{2}	1^{4}	0^{6}	1^{0}	1^{1}	1^{4}	0^{6}	1^{0}	1^{1}	1^{2}	1^{2}	1^{4}
B	1^{4}	1^{5}	2^{0}	2^{1}	1^{4}	1^{5}	1^{1}	1^{2}	1^{4}	1^{5}	1^{2}	1^{4}	1^{2}	1^{4}	1^{6}	1^{7}
C E G	1^{4}	1^{5}	2^{0}	2^{1}	1^{2}	1^{4}	0^{6}	1^{0}	1^{2}	1^{4}	1^{2}	1^{4}	1^{4}	1^{5}	1^{4}	1^{5}
D O Q R	1^{4}	1^{5}	2^{0}	2^{1}	1^{4}	1^{5}	0^{6}	1^{0}	1^{2}	1^{4}	1^{2}	1^{4}	1^{4}	1^{5}	1^{4}	1^{5}
F	0^{5}	0^{6}	1^{4}	1^{5}	0^{6}	1^{0}	0^{5}	0^{6}	0^{6}	1^{0}	0^{6}	1^{0}	0^{6}	1^{0}	1^{1}	1^{2}
H I M N	2^{0}	2^{1}	2^{2}	2^{4}	2^{0}	2^{1}	1^{4}	1^{5}	1^{6}	1^{7}	1^{6}	1^{7}	2^{0}	2^{1}	2^{0}	2^{1}
J U	2^{0}	2^{1}	2^{0}	2^{1}	1^{6}	1^{7}	1^{4}	1^{5}	1^{6}	1^{7}	1^{6}	1^{7}	1^{6}	1^{7}	2^{0}	2^{1}
K L	1^{1}	1^{2}	1^{6}	1^{7}	1^{1}	1^{2}	0^{5}	0^{6}	1^{1}	1^{2}	1^{1}	1^{2}	1^{1}	1^{2}	1^{2}	1^{4}
P	1^{2}	1^{4}	1^{4}	1^{5}	1^{2}	1^{4}	0^{5}	0^{6}	1^{1}	1^{2}	1^{1}	1^{2}	1^{2}	1^{4}	1^{2}	1^{4}
S	1^{2}	1^{4}	1^{6}	1^{7}	1^{2}	1^{4}	0^{6}	1^{0}	1^{2}	1^{4}	1^{2}	1^{4}	1^{2}	1^{4}	1^{2}	1^{4}
T	1^{1}	1^{2}	1^{6}	1^{7}	0^{6}	1^{0}	0^{6}	1^{0}	1^{1}	1^{2}	1^{1}	1^{2}	1^{1}	1^{2}	1^{2}	1^{4}
V	0^{6}	1^{0}	1^{4}	1^{5}	1^{1}	1^{2}	0^{6}	1^{0}	1^{2}	1^{4}	1^{2}	1^{4}	1^{2}	1^{4}	1^{2}	1^{4}
Y	0^{5}	0^{6}	1^{4}	1^{5}	0^{6}	1^{0}	0^{5}	0^{6}	0^{5}	0^{7}	0^{5}	0^{6}	0^{6}	1^{0}	1^{1}	1^{2}
Z	1^{6}	1^{7}	2^{2}	2^{4}	1^{6}	1^{7}	1^{2}	1^{4}	1^{6}	1^{7}	1^{6}	1^{7}	1^{6}	1^{7}	2^{0}	2^{1}

Lower Case To Lower Case
Spacing Chart 6 Inch Series "C & D"

FIRST LETTER	SECOND LETTER: a c d e g o q		b h i k l m n p r u		f w		j		s t		v y		x		z	
SERIES	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
a d h g i j l m n q u	1^{6}	1^{7}	2^{2}	2^{4}	1^{6}	1^{7}	1^{2}	1^{4}	1^{4}	1^{5}	1^{4}	1^{5}	1^{6}	1^{7}	1^{6}	1^{7}
b f k o p s	1^{2}	1^{4}	1^{6}	1^{7}	1^{1}	1^{2}	0^{5}	0^{6}	1^{1}	1^{2}	1^{1}	1^{2}	1^{2}	1^{4}	1^{2}	1^{4}
c e	1^{2}	1^{4}	1^{6}	1^{7}	1^{2}	1^{4}	0^{6}	1^{0}	1^{2}	1^{4}	1^{2}	1^{4}	1^{2}	1^{4}	1^{2}	1^{4}
r	0^{6}	1^{0}	1^{2}	1^{4}	0^{6}	1^{0}	0^{3}	0^{3}	0^{5}	0^{6}	0^{5}	0^{6}	0^{6}	1^{0}	0^{6}	1^{0}
t z	1^{2}	1^{4}	1^{6}	1^{7}	1^{2}	1^{4}	0^{6}	1^{0}	1^{1}	1^{2}	1^{1}	1^{2}	1^{2}	1^{4}	1^{2}	1^{4}
v y	1^{1}	1^{2}	1^{4}	1^{5}	1^{1}	1^{2}	0^{5}	0^{6}	0^{6}	1^{0}	0^{6}	1^{0}	1^{1}	1^{2}	1^{1}	1^{2}
w	1^{1}	1^{2}	1^{4}	1^{5}	1^{1}	1^{2}	0^{5}	0^{6}	1^{1}	1^{2}	1^{1}	1^{2}	1^{1}	1^{2}	1^{2}	1^{4}
x	1^{2}	1^{4}	1^{6}	1^{7}	1^{1}	1^{2}	0^{5}	0^{6}	1^{1}	1^{2}	1^{1}	1^{2}	1^{1}	1^{2}	1^{2}	1^{4}

Number To Number
Spacing Chart 8 Inch Series "C & D"

FIRST NUMBER	SECOND NUMBER: 0		1		2		3		4		5		6		7		8		9	
SERIES	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
0 9	1^{6}	1^{7}	1^{6}	1^{7}	1^{4}	1^{5}	1^{2}	1^{4}	1^{4}	1^{5}	1^{4}	1^{5}	1^{6}	1^{7}	1^{2}	1^{4}	1^{6}	1^{7}	1^{6}	1^{7}
1	2^{0}	2^{1}	2^{0}	2^{1}	2^{0}	2^{1}	1^{6}	1^{7}	1^{4}	1^{5}	2^{0}	2^{1}	2^{0}	2^{1}	1^{4}	1^{5}	2^{0}	2^{1}	2^{0}	2^{1}
2 3 4	1^{4}	1^{5}	1^{4}	1^{5}	1^{4}	1^{5}	1^{2}	1^{4}	1^{2}	1^{4}	1^{4}	1^{5}	1^{4}	1^{5}	1^{1}	1^{2}	1^{6}	1^{7}	1^{4}	1^{5}
5	1^{4}	1^{5}	1^{4}	1^{5}	1^{4}	1^{5}	1^{1}	1^{2}	1^{1}	1^{2}	1^{4}	1^{5}	1^{4}	1^{5}	1^{1}	1^{2}	1^{4}	1^{5}	1^{4}	1^{5}
6	1^{6}	1^{7}	1^{4}	1^{5}	1^{4}	1^{5}	1^{2}	1^{5}	1^{2}	1^{4}	1^{4}	1^{5}	1^{4}	1^{5}	1^{1}	1^{2}	1^{4}	1^{5}	1^{4}	1^{5}
7	1^{2}	1^{4}	1^{2}	1^{4}	1^{4}	1^{5}	1^{2}	1^{5}	0^{5}	0^{6}	1^{2}	1^{4}	1^{4}	1^{5}	1^{1}	1^{2}	1^{4}	1^{5}	1^{2}	1^{4}
8	1^{6}	1^{7}	1^{6}	1^{7}	1^{4}	1^{5}	1^{2}	1^{5}	1^{2}	1^{4}	1^{4}	1^{5}	1^{6}	1^{7}	1^{2}	1^{4}	1^{6}	1^{7}	1^{4}	1^{5}

EXAMPLE, 2^{3} DENOTES $\frac{3''}{8}$

UPPER AND LOWER CASE
LETTER WIDTHS

LETTERS	6 INCH UPPER CASE LETTERS SERIES C	D	8 INCH UPPER CASE LETTERS SERIES C	D	LETTERS	6 INCH LOWER CASE LETTERS SERIES C	D
A	3^{6}	5^{0}	5^{0}	6^{5}	a	3^{5}	4^{2}
B	3^{2}	4^{0}	4^{3}	5^{3}	b	3^{5}	4^{2}
C	3^{2}	4^{0}	4^{3}	5^{3}	c	3^{5}	4^{1}
D	3^{2}	4^{0}	4^{3}	5^{3}	d	3^{5}	4^{2}
E	3^{0}	3^{5}	4^{0}	4^{7}	e	3^{5}	4^{2}
F	3^{0}	3^{5}	4^{0}	4^{7}	f	2^{3}	2^{6}
G	3^{2}	4^{0}	4^{3}	5^{3}	g	3^{5}	4^{2}
H	3^{2}	4^{0}	4^{3}	5^{3}	h	3^{5}	4^{2}
I	0^{7}	0^{7}	1^{1}	1^{2}	i	1^{1}	1^{1}
J	3^{0}	3^{6}	4^{0}	5^{0}	j	2^{0}	2^{2}
K	3^{2}	4^{1}	4^{3}	5^{4}	k	3^{5}	4^{2}
L	3^{0}	3^{5}	4^{0}	4^{7}	l	1^{1}	1^{1}
M	3^{7}	4^{5}	5^{1}	6^{1}	m	6^{0}	7^{0}
N	3^{2}	4^{0}	4^{3}	5^{3}	n	3^{5}	4^{2}
O	3^{4}	4^{2}	4^{5}	5^{5}	o	3^{6}	4^{3}
P	3^{2}	4^{0}	4^{3}	5^{3}	p	3^{5}	4^{2}
Q	3^{4}	4^{2}	4^{5}	5^{5}	q	3^{5}	4^{2}
R	3^{2}	4^{0}	4^{3}	5^{3}	r	2^{6}	3^{2}
S	3^{2}	4^{0}	4^{3}	5^{3}	s	3^{6}	4^{2}
T	3^{0}	3^{5}	4^{0}	4^{7}	t	2^{7}	3^{2}
U	3^{2}	4^{0}	4^{3}	5^{3}	u	3^{5}	4^{2}
V	3^{5}	4^{4}	4^{7}	6^{0}	v	4^{2}	4^{7}
W	4^{4}	5^{2}	6^{0}	7^{0}	w	5^{5}	6^{4}
X	3^{4}	4^{0}	4^{5}	5^{3}	x	4^{4}	5^{1}
Y	3^{6}	5^{0}	5^{0}	6^{6}	y	4^{6}	5^{3}
Z	3^{2}	4^{0}	4^{3}	5^{3}	z	3^{6}	4^{3}

NUMBER	6 INCH SERIES C	D	8 INCH SERIES C	D
1	1^{2}	1^{4}	1^{5}	2^{0}
2	3^{2}	4^{0}	4^{3}	5^{3}
3	3^{2}	4^{0}	4^{3}	5^{3}
4	3^{5}	4^{3}	4^{7}	5^{7}
5	3^{2}	4^{0}	4^{3}	5^{3}
6	3^{2}	4^{0}	4^{3}	5^{3}
7	3^{2}	4^{0}	4^{3}	5^{3}
8	3^{2}	4^{0}	4^{3}	5^{3}
9	3^{2}	4^{0}	4^{3}	5^{3}
0	3^{4}	4^{2}	4^{5}	5^{5}

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		DRAWN - BCK	REVISED -
	PLOT SCALE = 49.9999 ' / IN.	CHECKED - DAG/DAD	REVISED -
	PLOT DATE = 11/4/2009	DATE - 03-15-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
MAST ARM MOUNTED STREET NAME SIGNS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			152	60
	TS-02	CONTRACT NO. 63671		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

LOOP DETECTOR NOTES

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

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

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

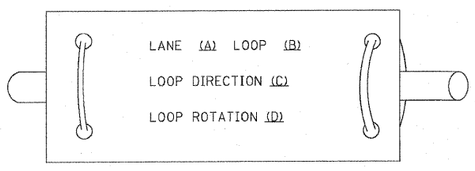
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

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

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

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

LOOP LEAD-IN CABLE TAG

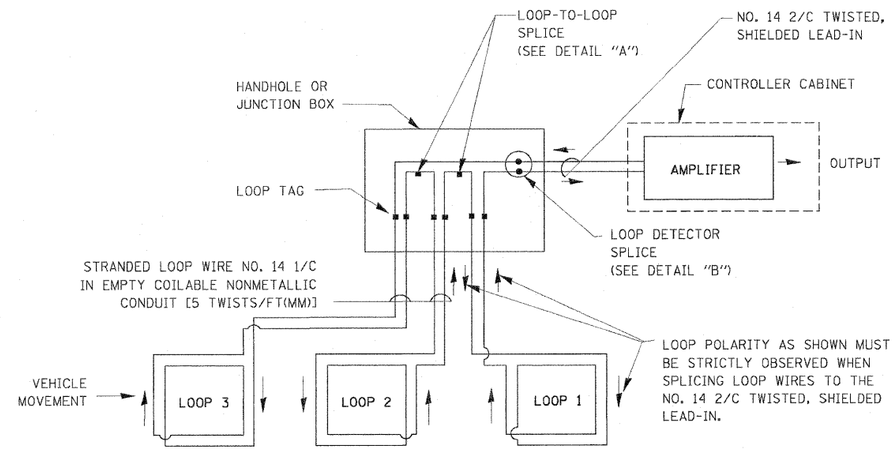


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

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

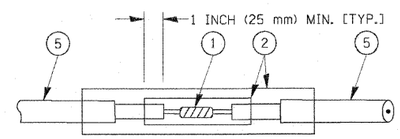
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

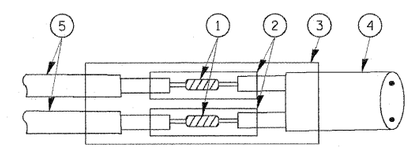


DETECTOR LOOP WIRING SCHEMATIC

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

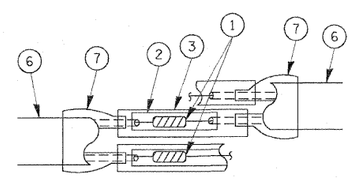


DETAIL "A"
LOOP-TO-LOOP SPLICE



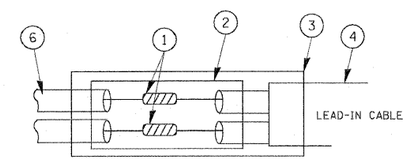
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

PRE-FORMED LOOP



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

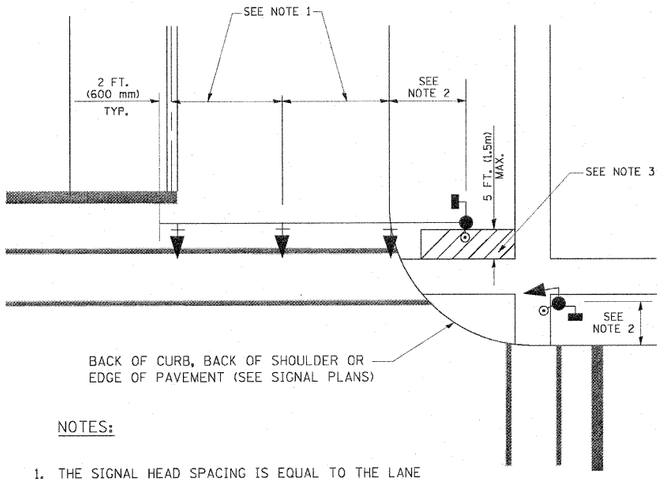
LOOP DETECTOR SPLICE

1. WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.
2. WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
3. WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.
4. NO. 14 2/C TWISTED, SHIELDED CABLE.
5. LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
6. PRE-FORMED LOOP
7. XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

FILE NAME = c:\pw_work\PWIDOT\KANTHAPHIX4YBC\d0112614\traffic_legend_v7.dgn	USER NAME = kanthaphix4ybc	DESIGNED - DAD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20.0000 ' / IN.	DRAWN - BCK	REVISED -						152	61
	PLOT DATE = 10/6/2009	CHECKED - DAD	REVISED -					CONTRACT NO. 63671		
		DATE - 10/28/09	REVISED -		SCALE: SHEET NO. 1 OF 6 SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

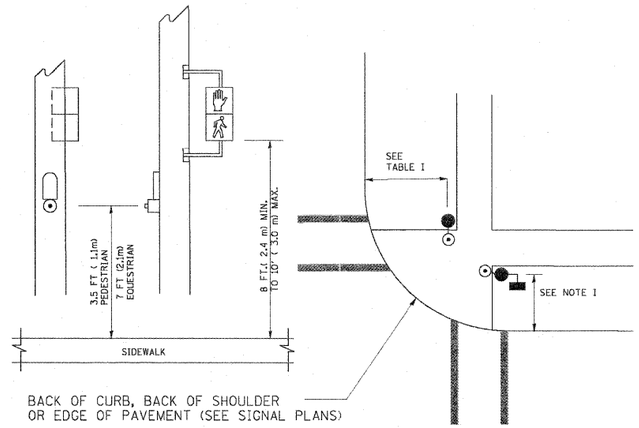
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

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

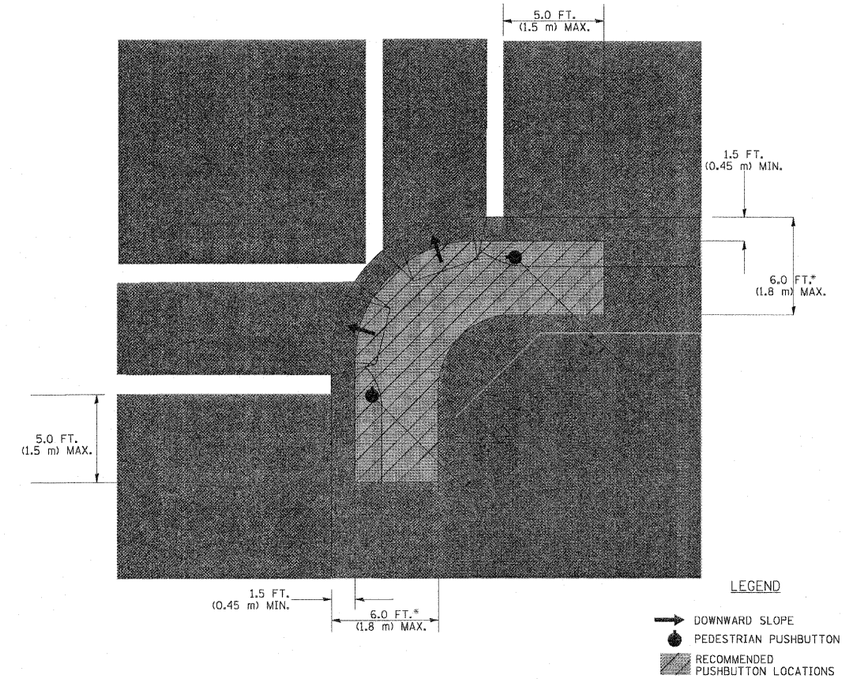
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



* WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.

** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

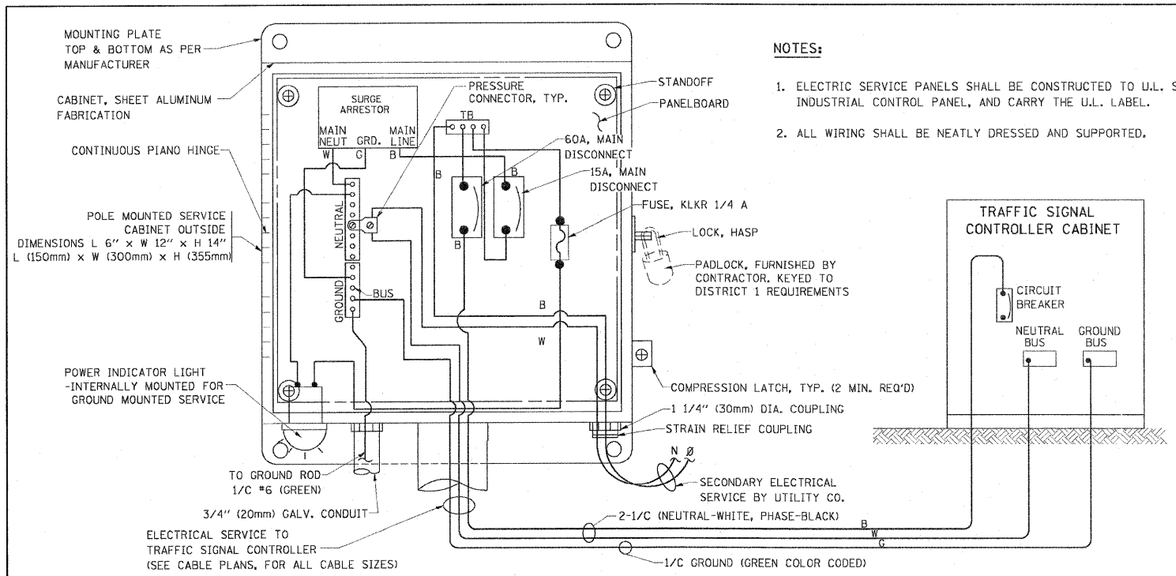
1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM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

TRAFFIC SIGNAL EQUIPMENT OFFSET

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

NOTES:

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



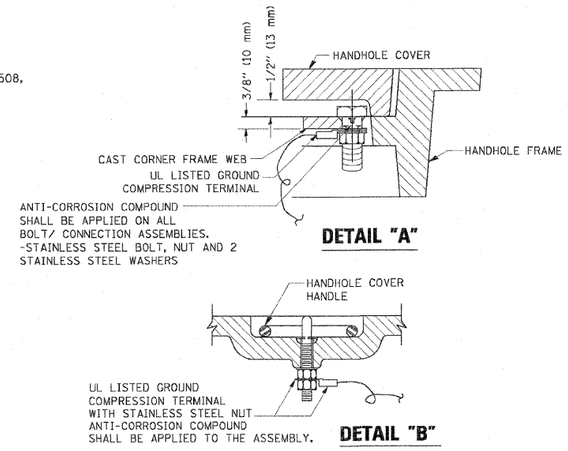
ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

SERVICE INSTALLATION POLE MOUNT (SHOWN)

(NOT TO SCALE)

NOTES:

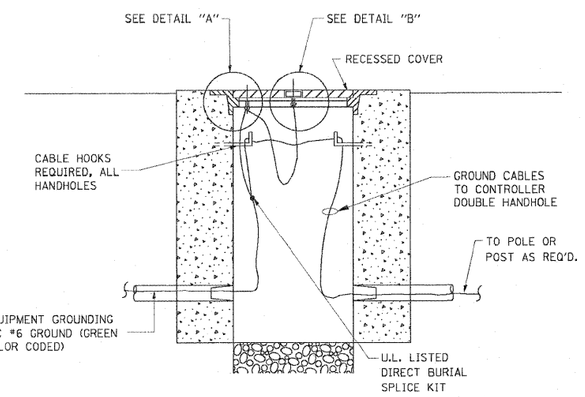
1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.



NOTES:

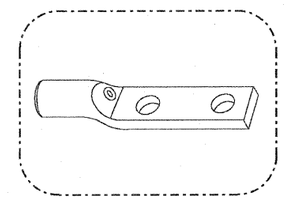
GROUNDING SYSTEM

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

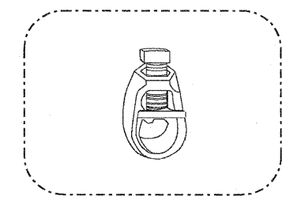


HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



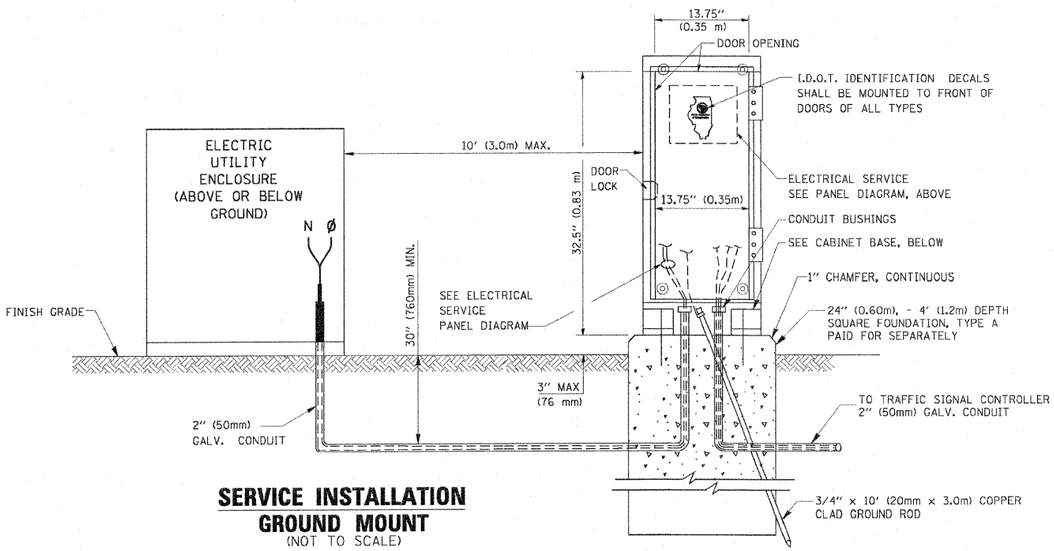
HEAVY-DUTY COMPRESSION TERMINAL
(BURNDY TYPE YGHA OR APPROVED EQUAL)



3/4" (20mm) HEAVY-DUTY GROUND ROD CLAMP
(BURNDY TYPE GRC OR APPROVED EQUAL)

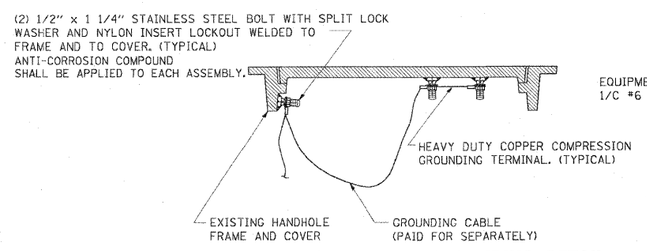
NOTES:

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



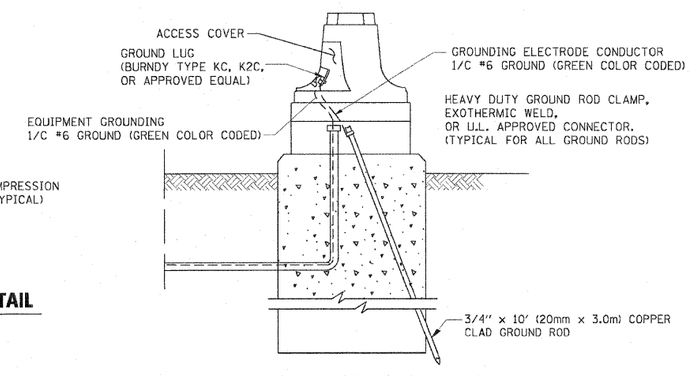
SERVICE INSTALLATION GROUND MOUNT

(NOT TO SCALE)



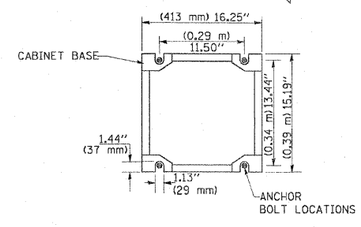
EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL

(NOT TO SCALE)



MAST ARM POLE / POST–GROUNDING DETAIL

(NOT TO SCALE)



CABINET – BASE BOLT PATTERN

(NOT TO SCALE)

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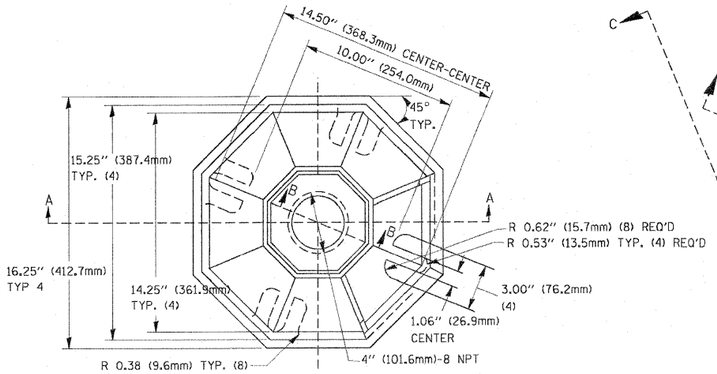
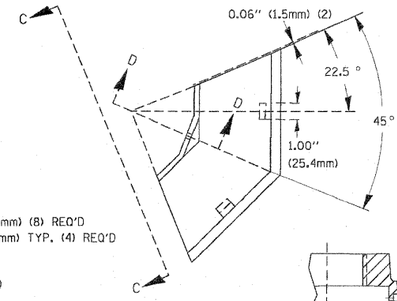
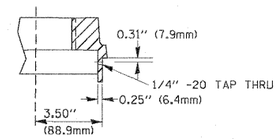
4\traffic_legend_v7.dgn		DRAWN - BCK	REVISED -						152	63
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DAD	REVISED -					CONTRACT NO. 63671		
	PLOT DATE = 10/6/2009	DATE - 10/28/09	REVISED -		SCALE: / SHEET NO. 3 OF 6 SHEETS / STA. / TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

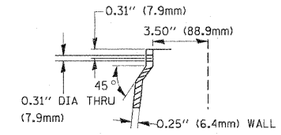


TOP VIEW

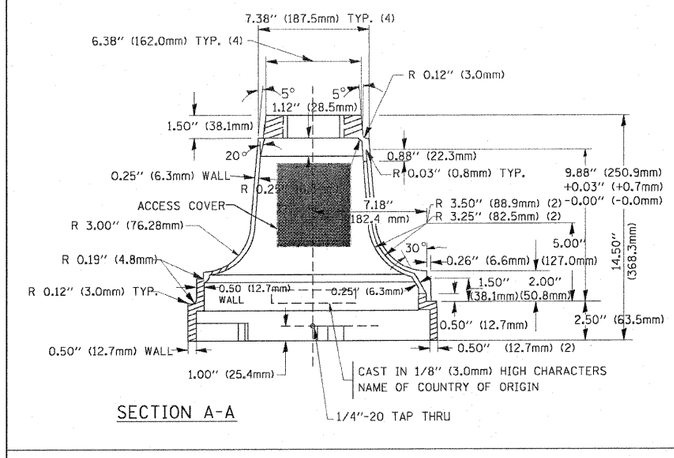




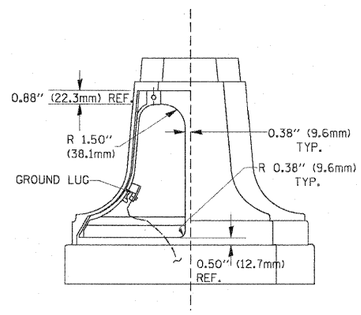
SECTION B-B



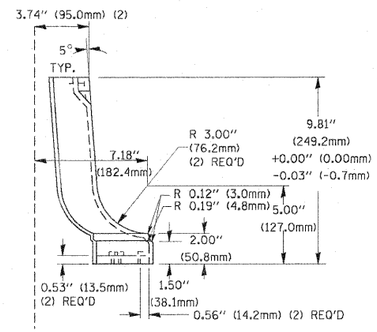
SECTION D-D



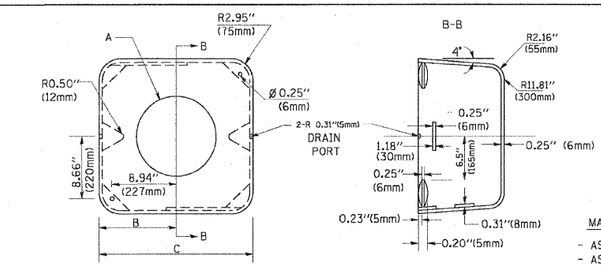
SECTION A-A



VIEW C-C



TRAFFIC SIGNAL POST - MOUNTING BASE - TYPE A



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

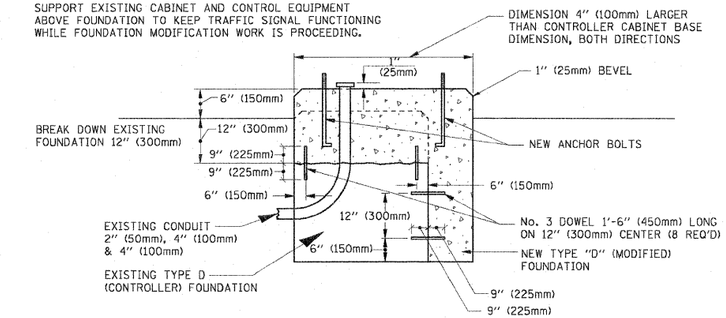
A	B	C	HEIGHT	WEIGHT
VARIES	9.5"(241mm)	19"(483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75"(273mm)	21.5"(546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0"(330mm)	26"(660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5"(470mm)	37"(940mm)	7" (178mm) - 12" (300mm)	126 lbs (57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

SHROUD

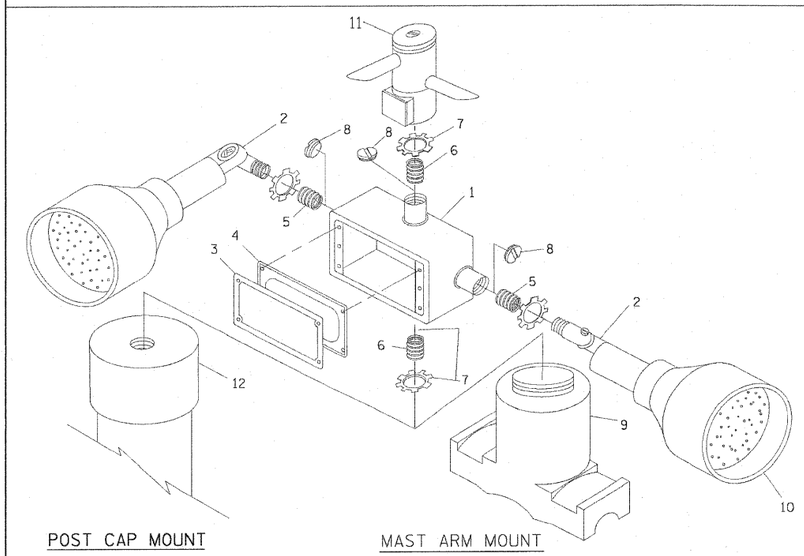
NOTES:

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

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



MODIFY EXISTING TYPE "D" FOUNDATION



POST CAP MOUNT

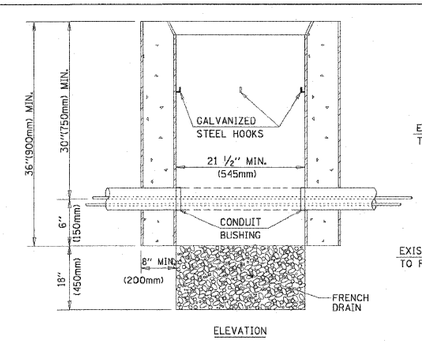
MAST ARM MOUNT

EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

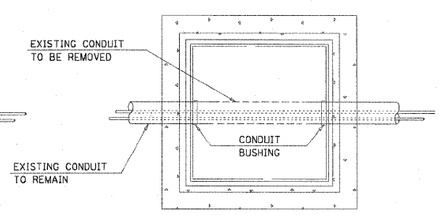
ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	¾"(19 mm) CLOSE NIPPLE
7	¾"(19 mm) LOCKNUT
8	¾"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST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

NOTES:

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



ELEVATION



PLAN

NOTES:

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

HANDHOLE TO INTERCEPT EXISTING CONDUIT

FILE NAME =	USER NAME = kanthaphixaybo	DESIGNED - DAG	REVISED -
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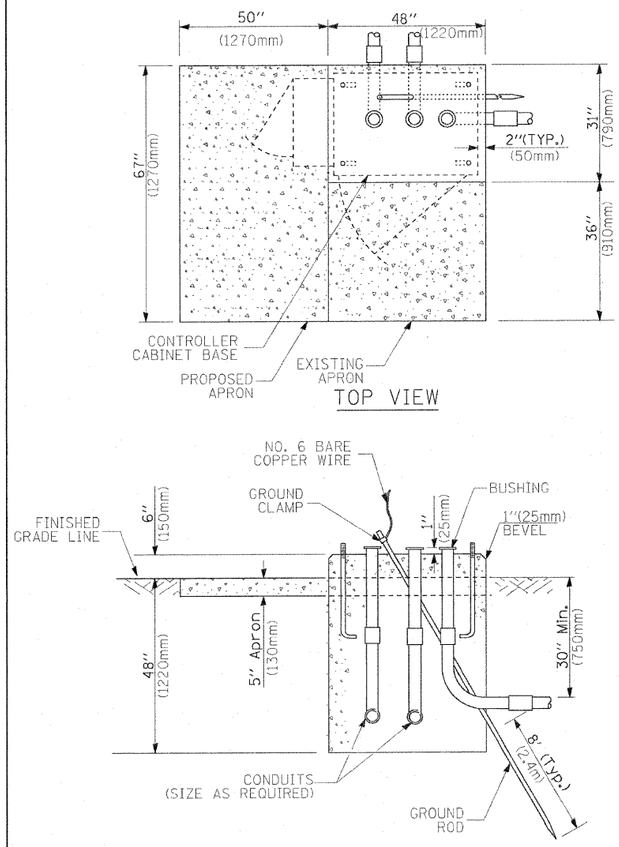
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DAD	REVISED -
	PLOT DATE = 10/6/2009	DATE - 10/28/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

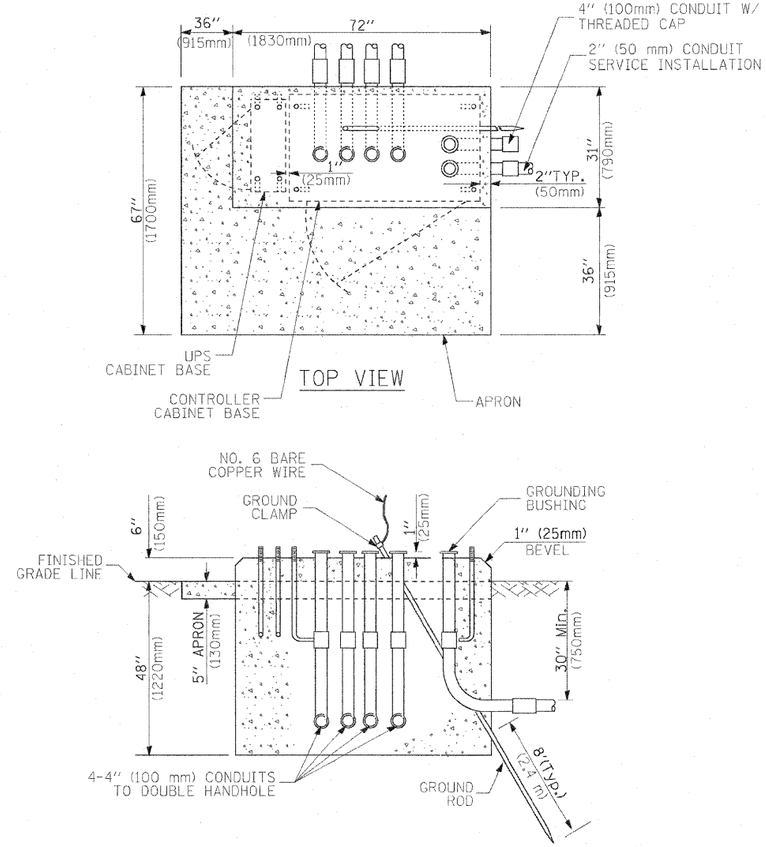
DISTRICT 1
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

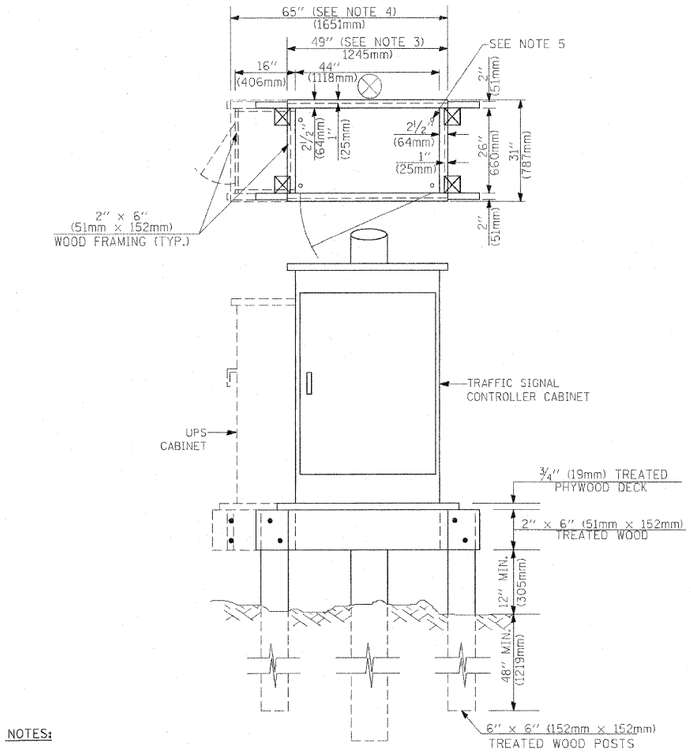
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			152	64
		CONTRACT NO. 63671		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET



TYPE C
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET



NOTES:

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

TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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

DEPTH OF FOUNDATION

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

NOTES:

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

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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		DRAWN - BCK	REVISED -
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DAD	REVISED -
	PLOT DATE = 10/6/2009	DATE - 10/28/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			152	65
		CONTRACT NO. 63671		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL LEGEND

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

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

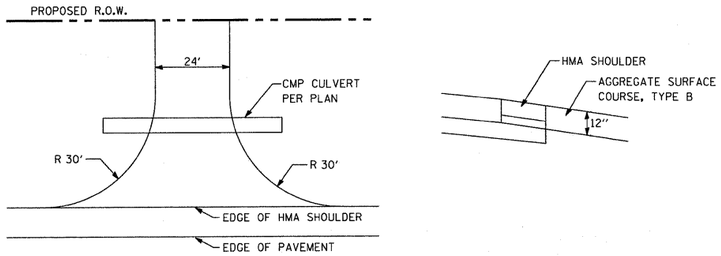
ITEM	REMOVAL	EXISTING	PROPOSED
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE		1	1
COAXIAL CABLE		C	C
VENDOR CABLE FOR CAMERA		V	V
COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED		6	6
FIBER OPTIC CABLE NO. 62.5/125, MM12F		12F	
FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F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

RAILROAD SYMBOLS

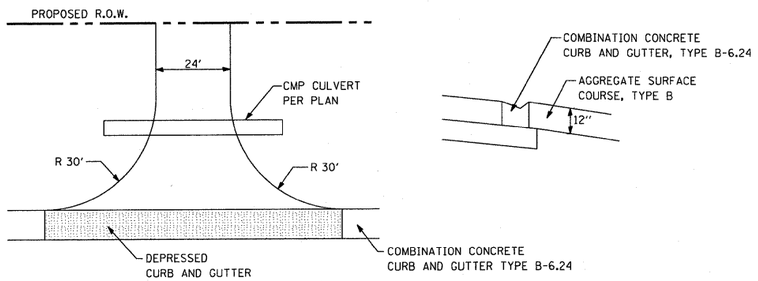
	EXISTING	PROPOSED
RAILROAD CONTROL CABINET	R	R
RAILROAD CANTILEVER MAST ARM		
FLASHING SIGNAL		
CROSSING GATE		
CROSSBUCK		

FILE NAME = c:\pw_work\PWIDOT\KANTHAPHIXAYBC\d0112614\traffic_legend_v7.dgn	USER NAME = kanthaphixaybo	DESIGNED - DAG/BCK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN - BCK	REVISED -						152 / 66
	PLOT SCALE = 20.0000 ' / IN.	CHECKED - DAD	REVISED -					CONTRACT NO. 63671	
	PLOT DATE = 10/6/2009	DATE - 10/28/09	REVISED -		SCALE: NONE / SHEET NO. 6 OF 6 SHEETS / STA. / TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	

AGRICULTURAL ACCESS DETAILS

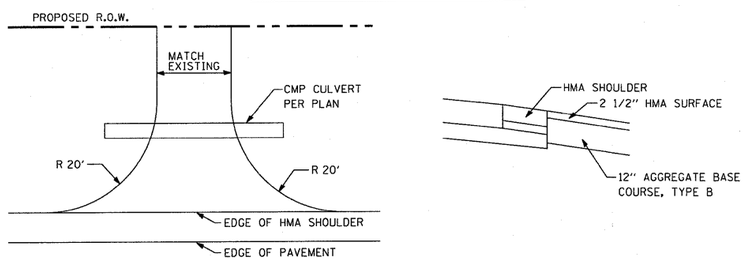


SHOULDER SECTION



CURB AND GUTTER SECTION

PRIVATE ACCESS DETAILS



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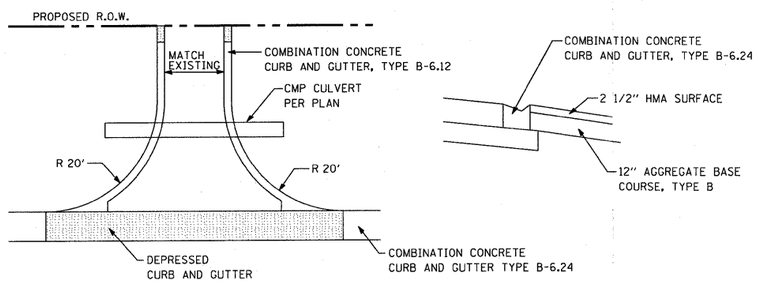
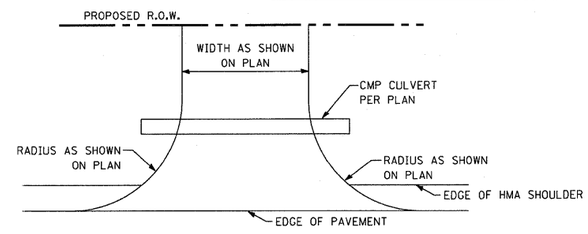


CURB AND GUTTER SECTION

COMMERCIAL ENTRANCE DETAILS



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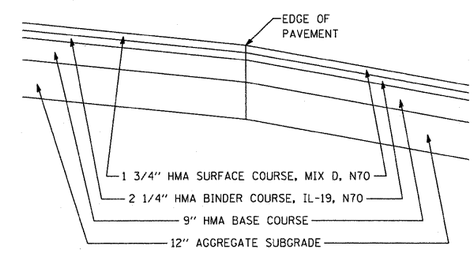
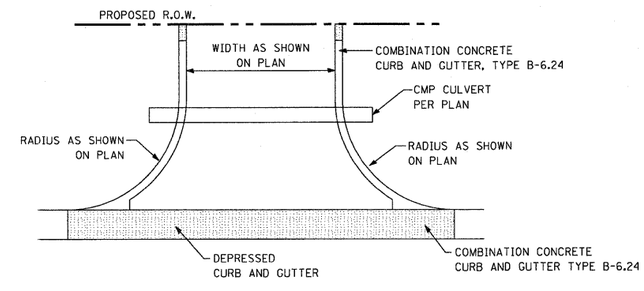
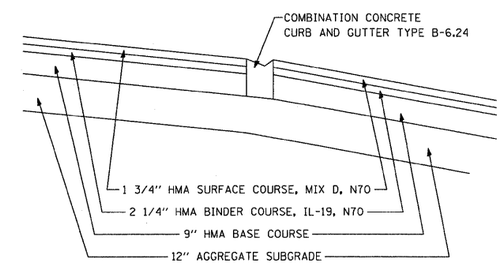




CURB AND GUTTER SECTION



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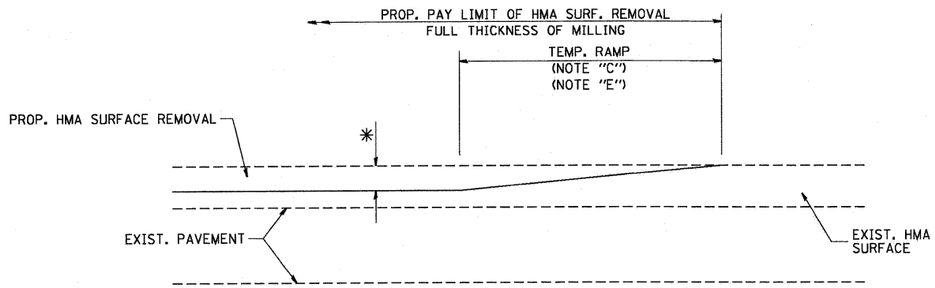
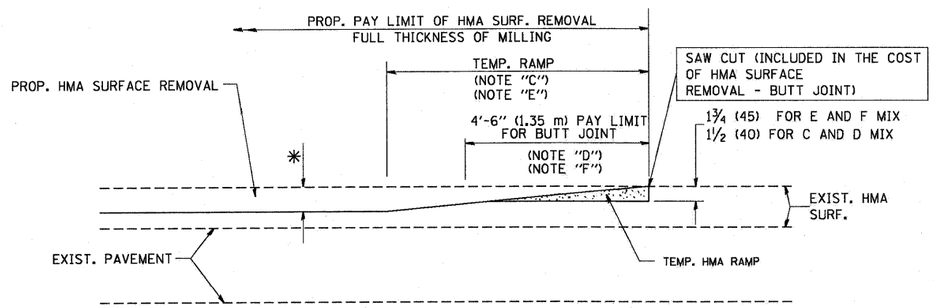
	PLOT DATE = 12/20/2011	CHECKED - CM	REVISED -						CONTRACT NO. 63671		
		DATE - FEBRUARY 2009	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.		ILLINOIS	FED. AID PROJECT		



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

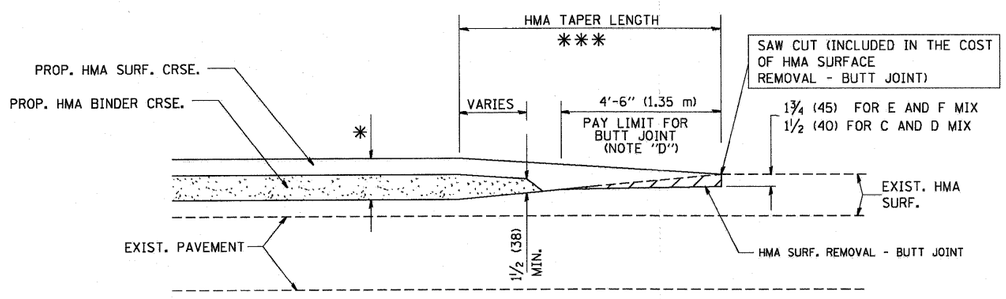


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

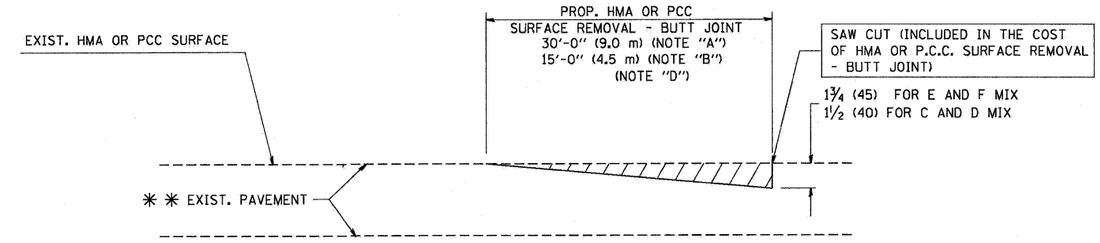
OPTION 2

TYPICAL TEMPORARY RAMP

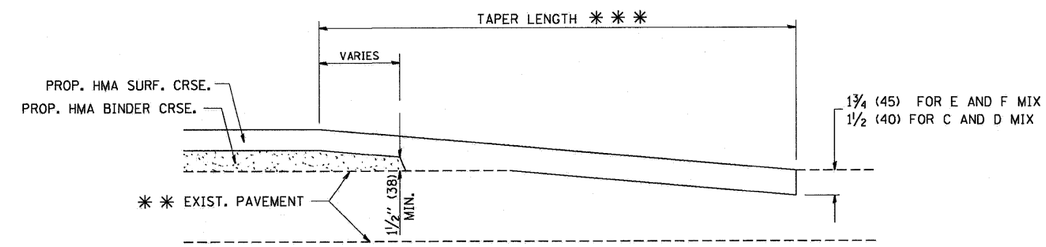


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.

B: MINOR SIDE ROADS.

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

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

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

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

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

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

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

BASIS OF PAYMENT:

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

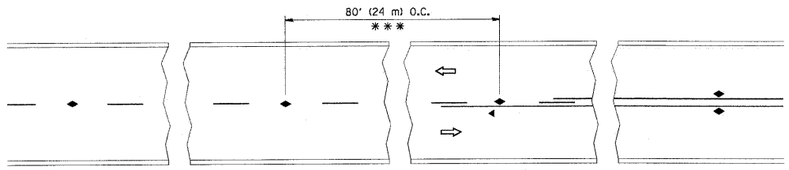
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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

BUTT JOINT AND HMA TAPER DETAILS

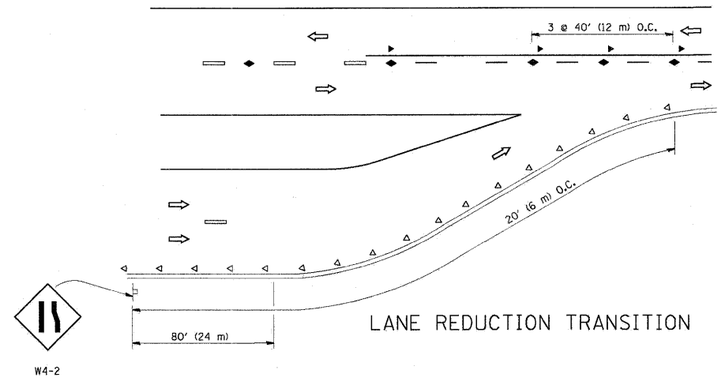
SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	68
	BD400-05 BD32	CONTRACT NO. 63671		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

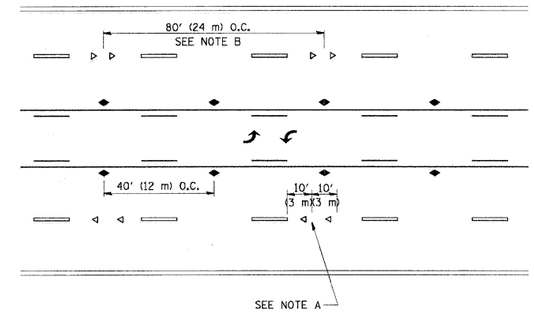


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

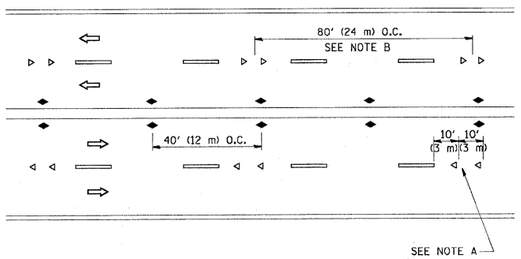
TWO-LANE/TWO-WAY



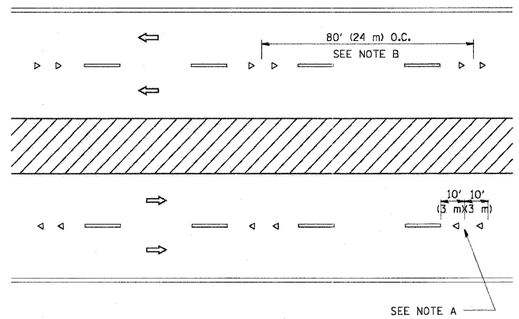
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

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

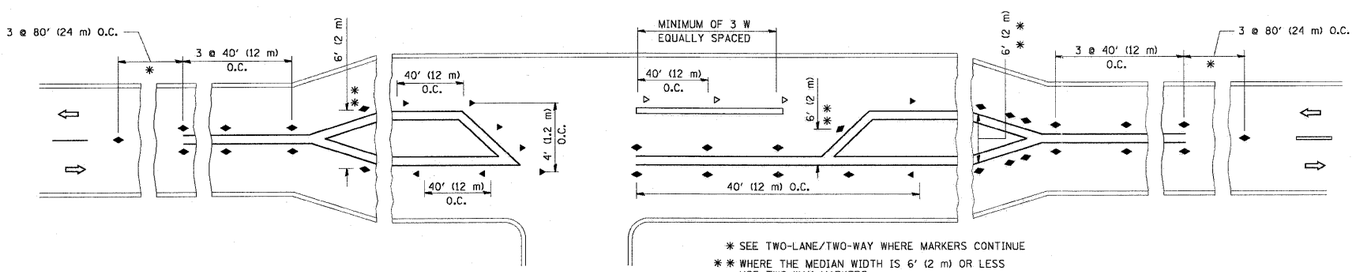
LANE MARKER NOTES

A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

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

DESIGN NOTES

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



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

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

LEFT TURN

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

FILE NAME = c:\pw_work\pwidot\leysa\d0108315\tc11.dgn	USER NAME = leysa	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
		DRAWN -	REVISED - T. RAMMACHER 03-12-99	
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - T. RAMMACHER 01-06-00	
	PLOT DATE = 3/2/2011	DATE -	REVISED - C. JUCIUS 09-09-09	

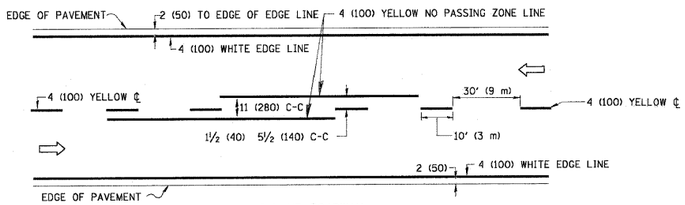
TYPICAL APPLICATIONS

RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

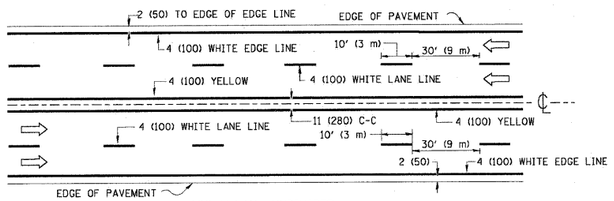
SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	69
	TC-11	CONTRACT NO. 63671		

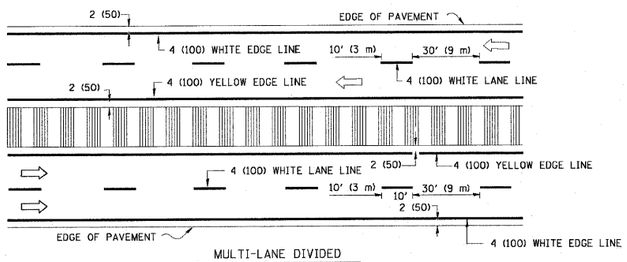
FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT



2-LANE ROADWAY



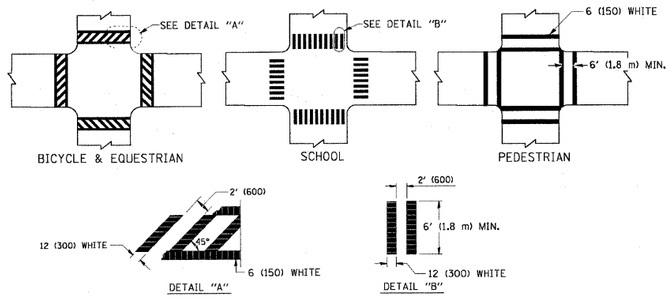
MULTI-LANE UNDIVIDED



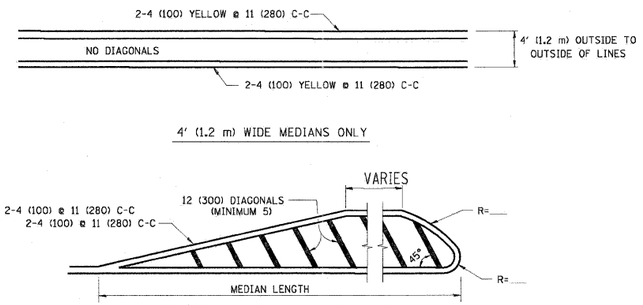
MULTI-LANE DIVIDED
WITH MOUNTABLE MEDIAN

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

TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

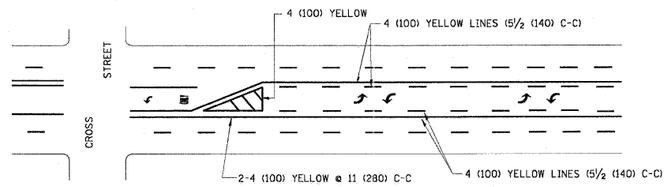


4' (1.2 m) WIDE MEDIANS ONLY

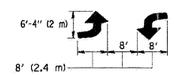
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

MEDIANS OVER 4' (1.2 m) WIDE

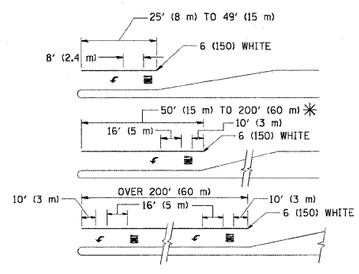


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

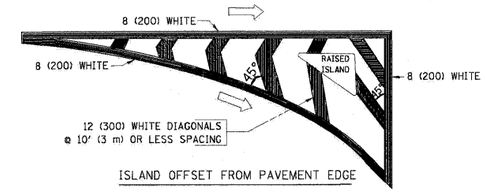


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15.6 SQ. FT. (1.5 m^2) ONLY AREA = 20.8 SQ. FT. (1.9 m^2)

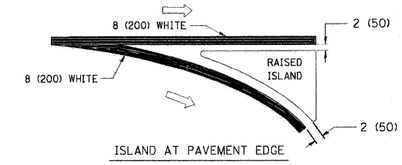
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

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

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

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

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		DRAWN -	REVISED -C. JUCIUS 09-09-09
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 9/9/2009	DATE - 03-19-90	REVISED -

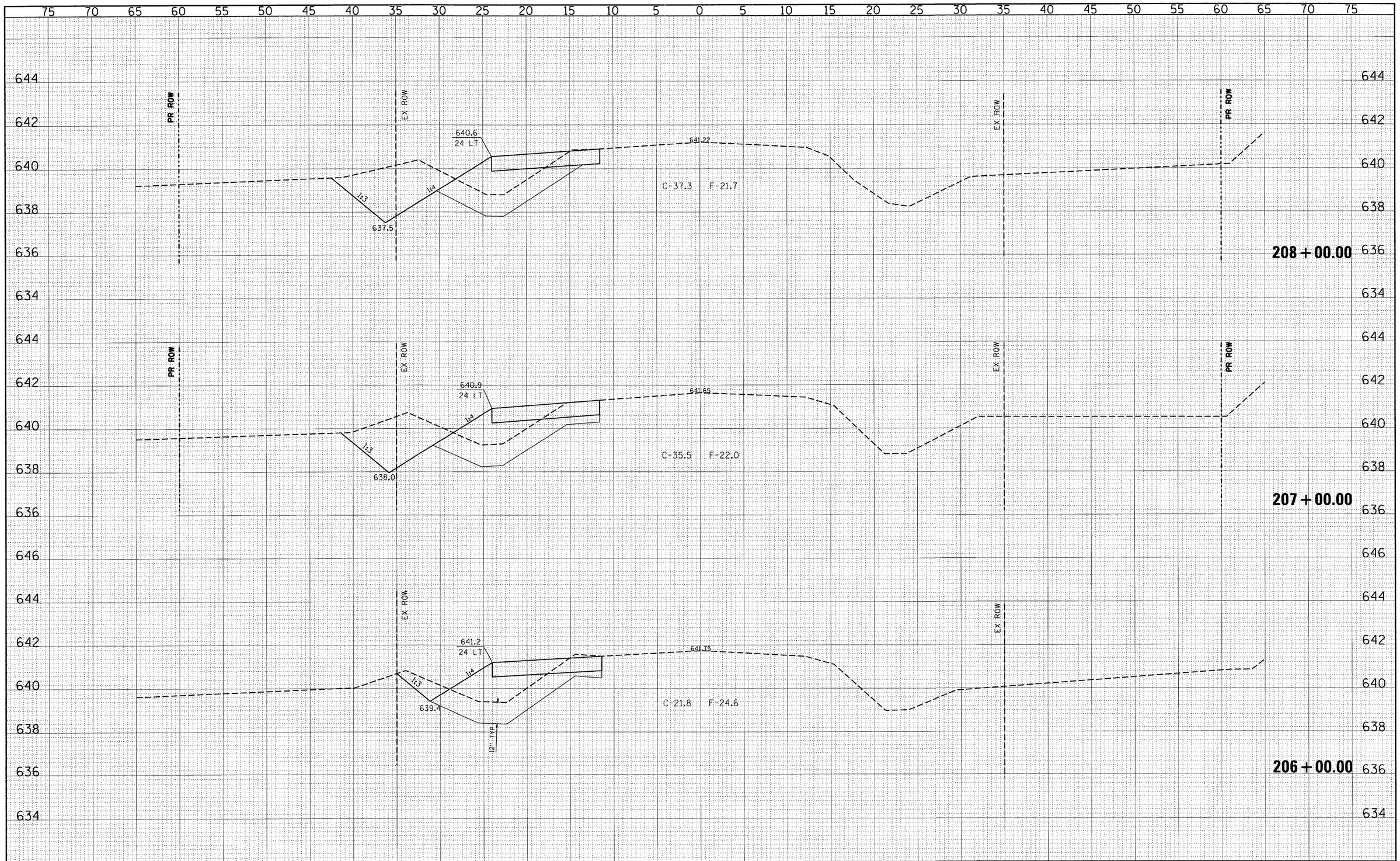
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	70
	TC-13	CONTRACT NO. 63671		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT



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

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

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	PLOT DATE = 12/20/2011	DATE - MAY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

SCALE:1"=5'H 1"=2'V

PRE-STAGE CROSS SECTIONS - PLAINFIELD NAPERVILLE RD.

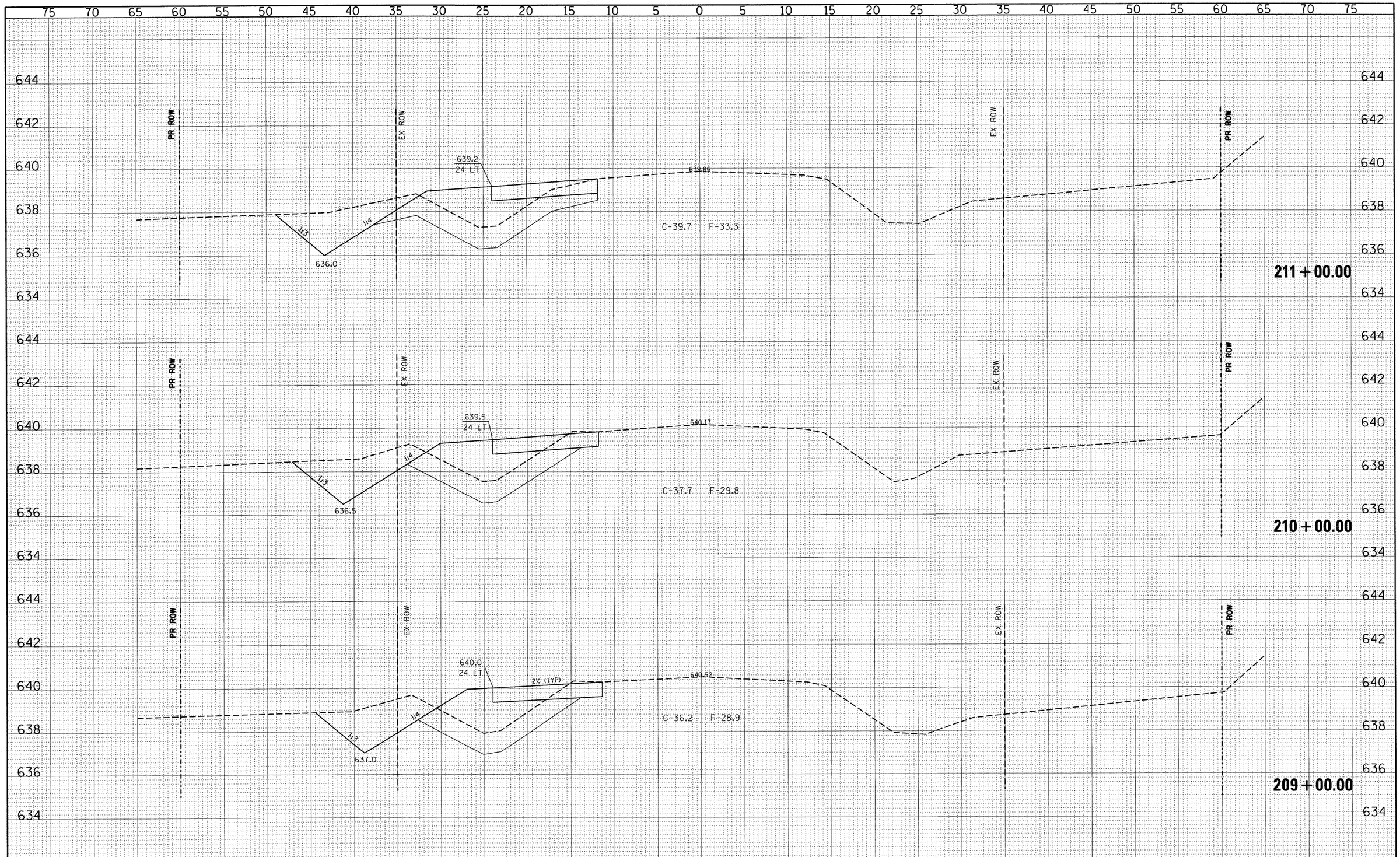
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SHEET NO. 1 OF 10 SHEETS — STA. 206+00.00 TO STA. 208+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	71

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



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

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

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DRAWN - JM	REVISED -	
CHECKED - CM	REVISED -	
DATE - MAY 2009	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

H&LR

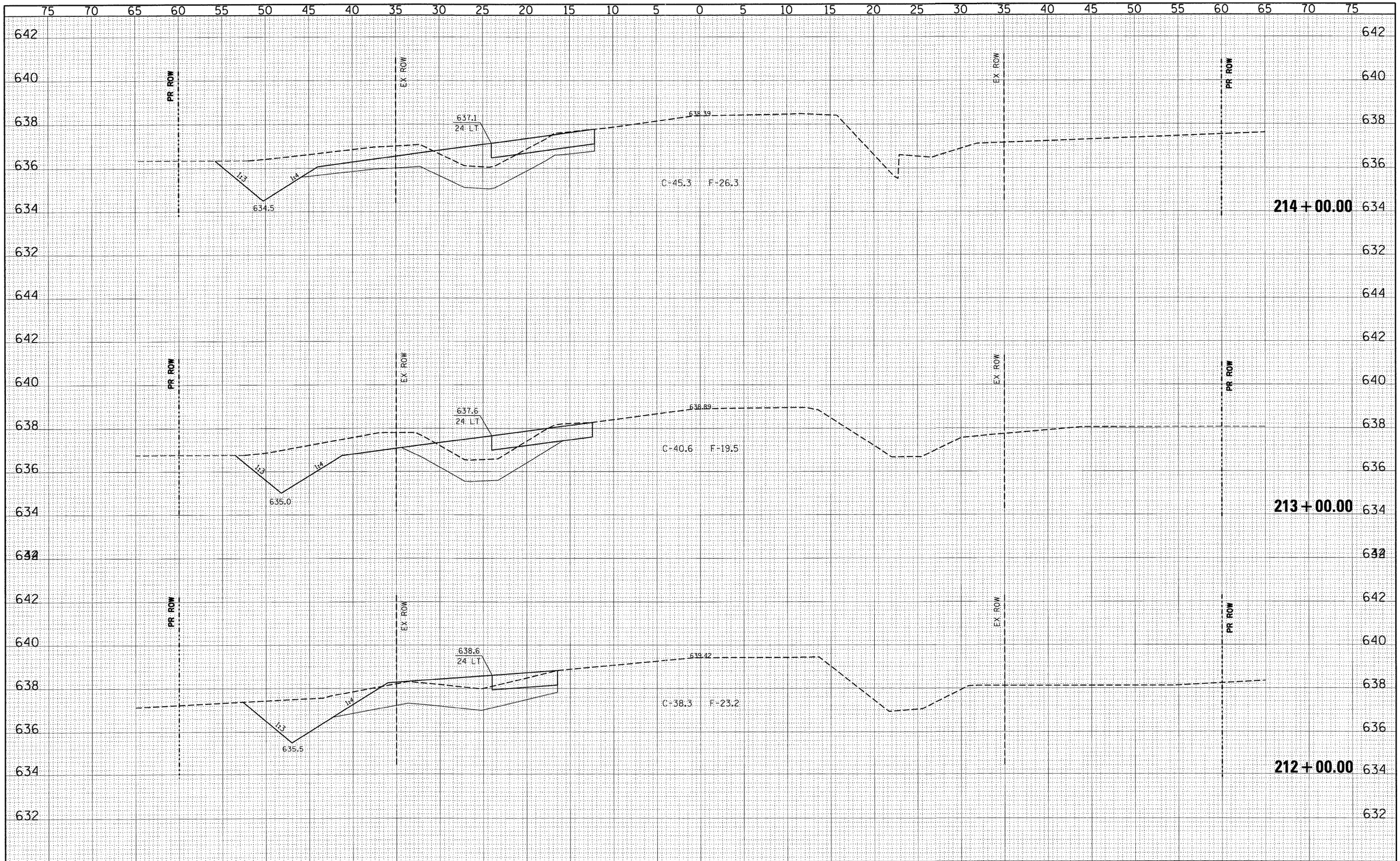
PRE-STAGE CROSS SECTIONS - PLAINFIELD NAPERVILLE RD.
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SCALE:1"=5'H 1"=2'V | SHEET NO. 2 OF 10 SHEETS | STA. 209+00.00 TO STA. 211+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	72

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



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

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
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AREAS		
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NOTE BOOK		
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PLOT DATE = 12/20/2011	DATE - MAY 2009	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

H&LR

SCALE:1"=5'H 1"=2'V

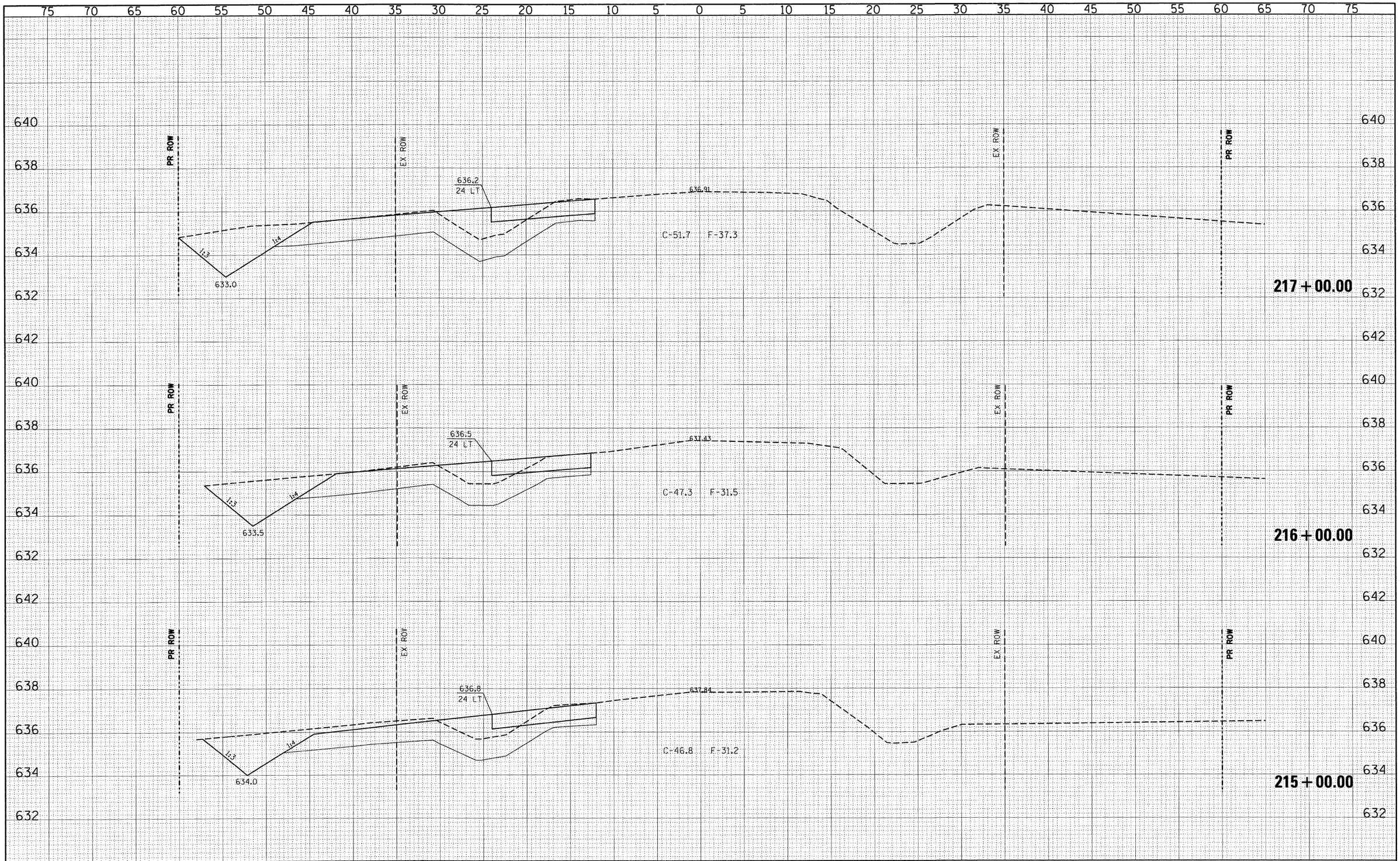
PRE-STAGE CROSS SECTIONS - PLAINFIELD NAPERVILLE RD.
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SHEET NO. 3 OF 10 SHEETS STA. 212+00.00 TO STA. 214+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	73

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



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

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

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PLOT DATE = 12/20/2011	DATE - MAY 2009	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

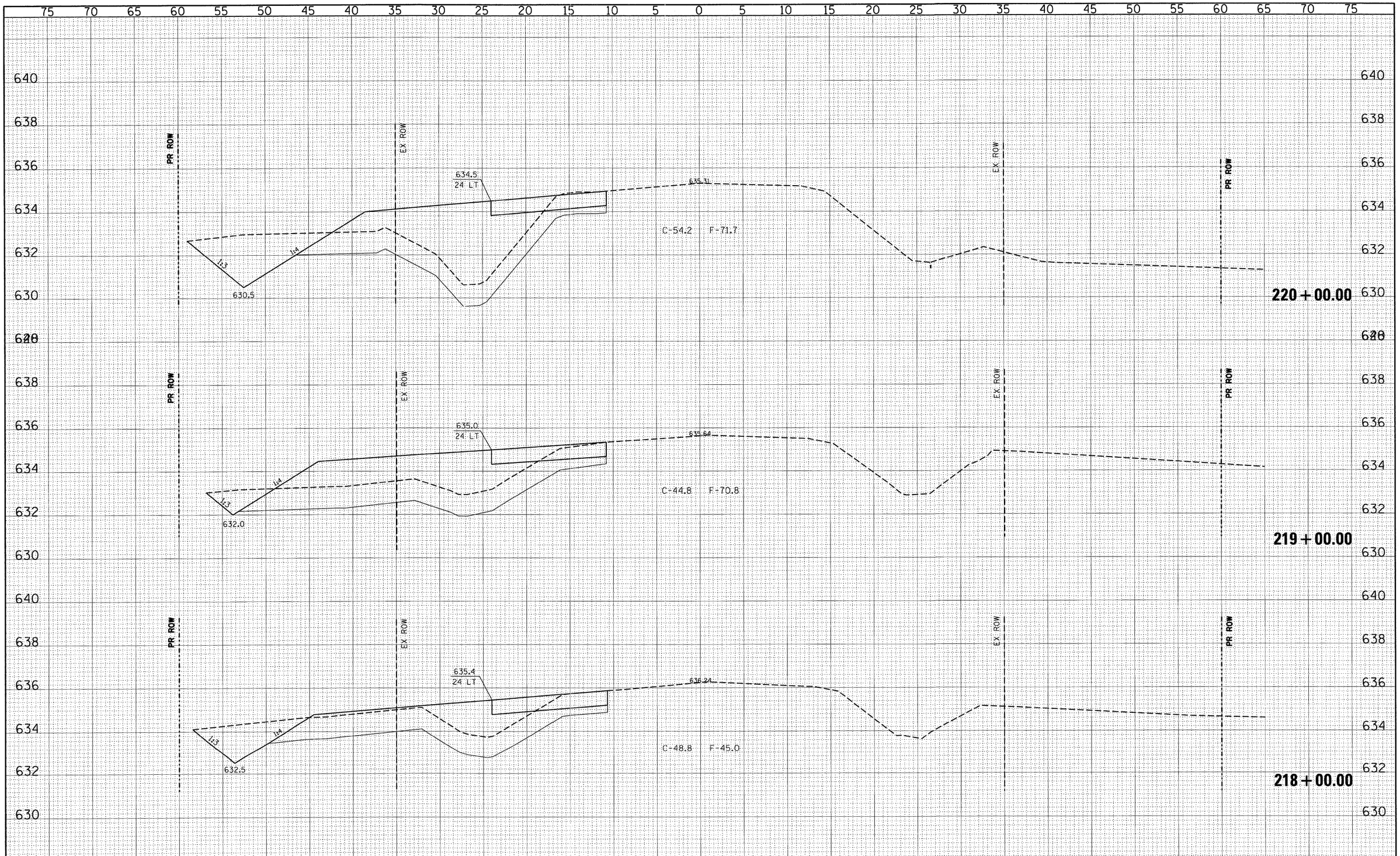
PRE-STAGE CROSS SECTIONS – PLAINFIELD NAPERVILLE RD.
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SCALE:1"=5'H 1"=2'V | SHEET NO. 4 OF 10 SHEETS | STA. 215+00.00 TO STA. 217+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	74

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



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

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

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PLOT DATE = 12/20/2011

DESIGNED - CM
DRAWN - JM
CHECKED - CM
DATE - MAY 2009

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

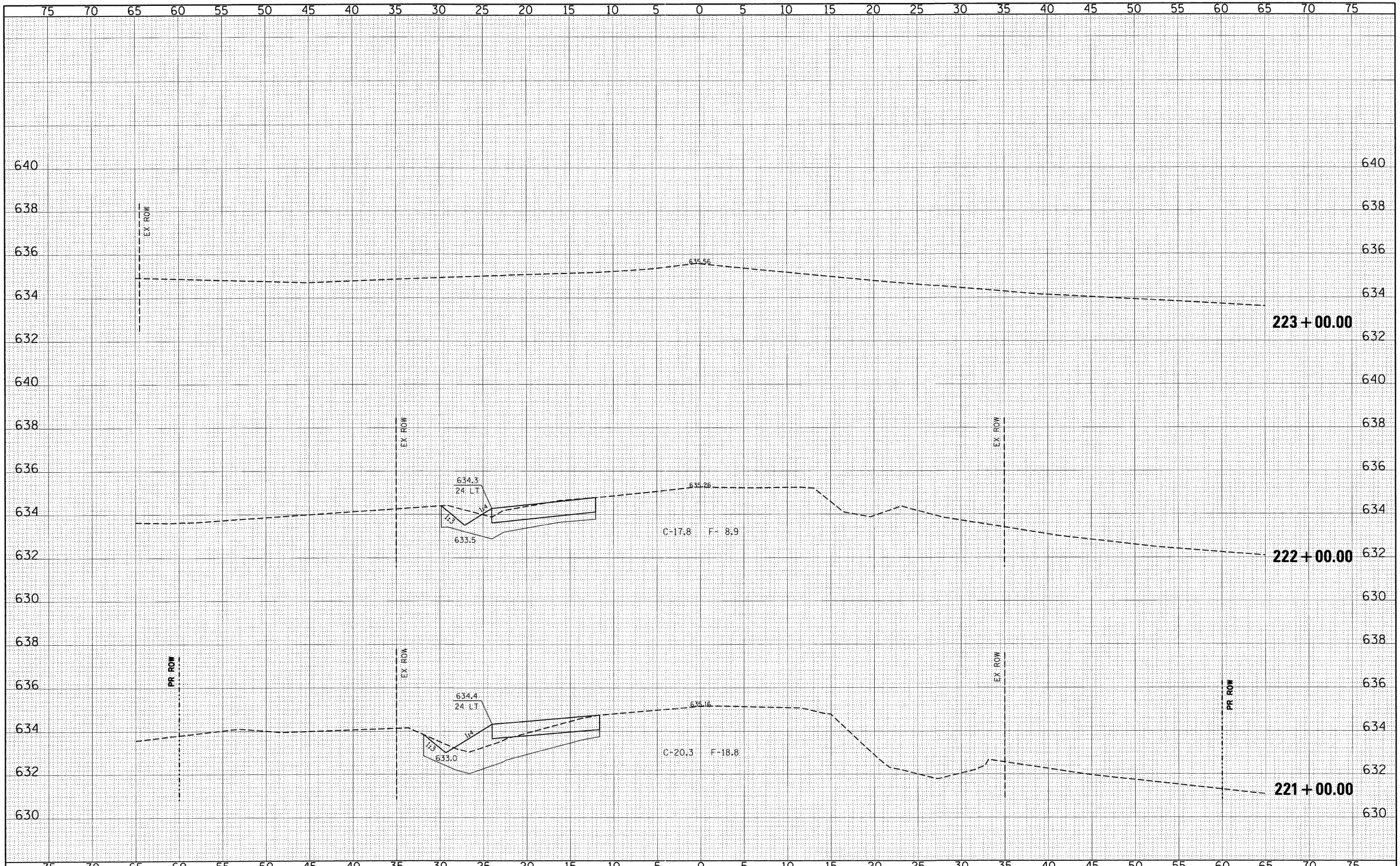
PRE-STAGE CROSS SECTIONS - PLAINFIELD NAPERVILLE RD.
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SCALE:1"=5'H 1"=2'V | SHEET NO. 5 OF 10 SHEETS | STA. 218+00.00 TO STA. 220+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	75

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



FINAL SURVEY		BY	DATE
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NOTE BOOK	TEMPLATE		
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NO.	AREAS CHECKED		

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

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	PLOT DATE = 12/20/2011	DATE - MAY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

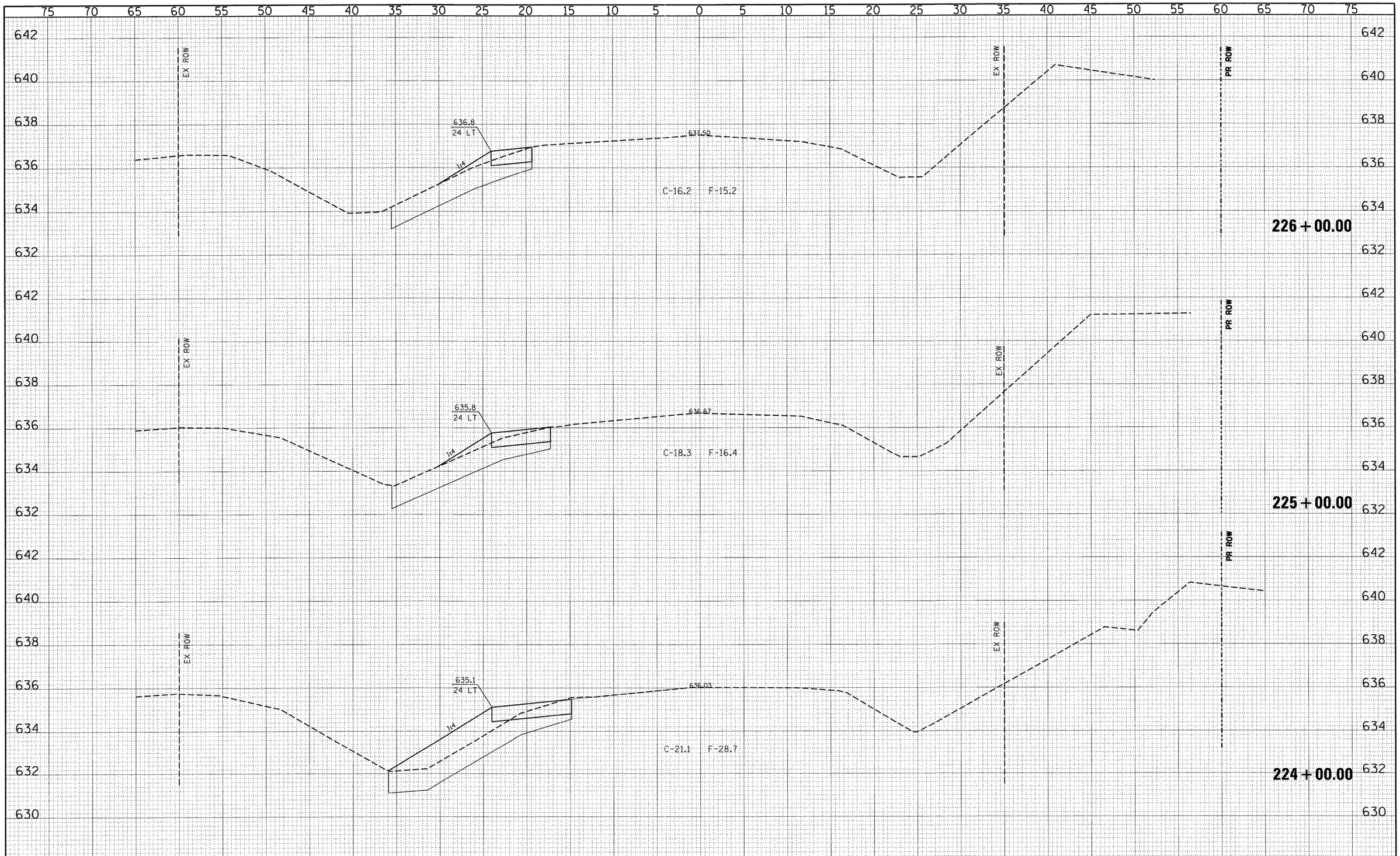
PRE-STAGE CROSS SECTIONS - PLAINFIELD NAPERVILLE RD.
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SCALE:1"=5'H 1"=2'V | SHEET NO. 6 OF 10 SHEETS | STA. 221+00.00 TO STA. 223+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	76

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



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

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

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PLOT DATE = 12/20/2011	DATE - MAY 2009	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

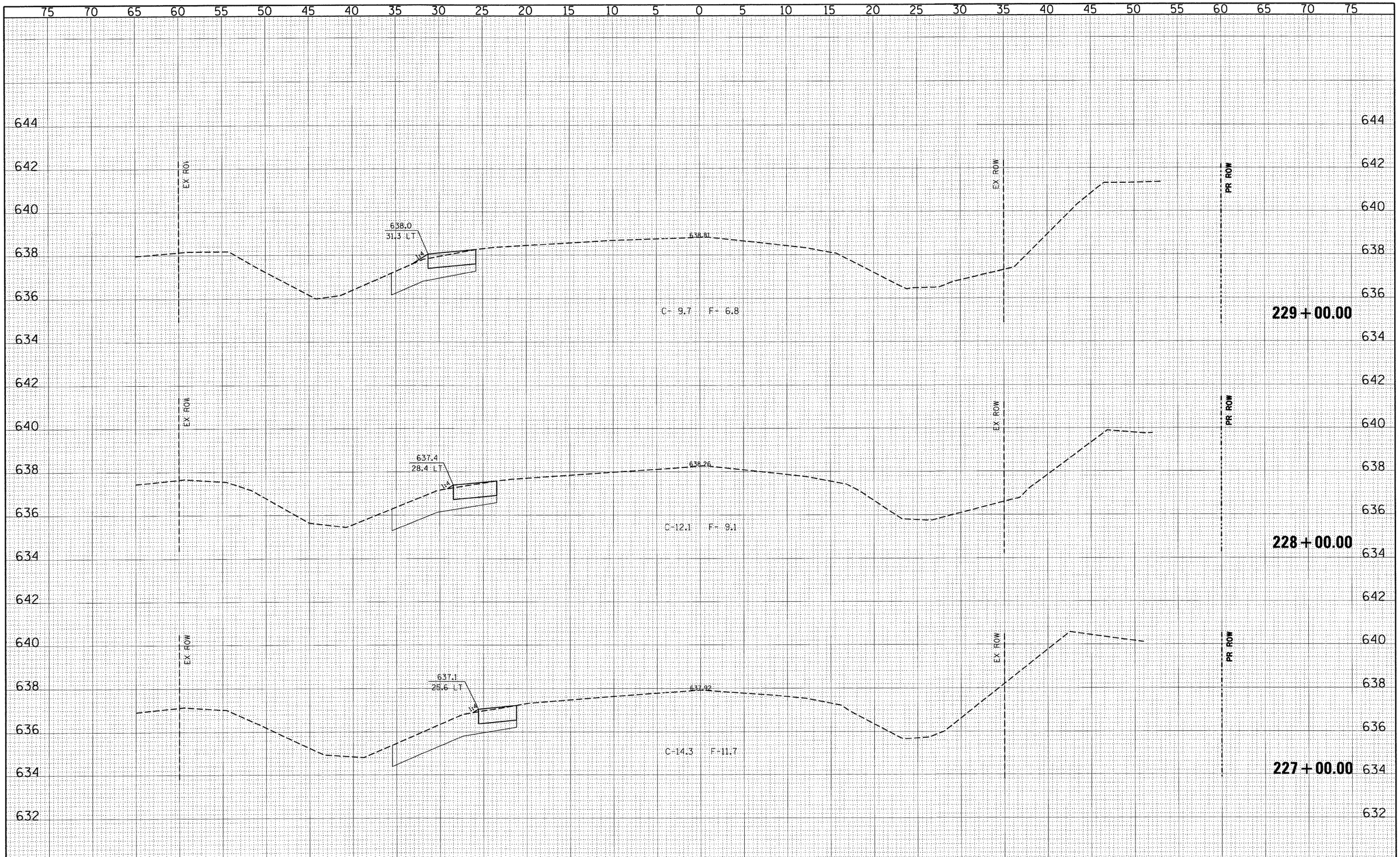
PRE-STAGE CROSS SECTIONS - PLAINFIELD NAPERVILLE RD.
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SCALE:1"=5'H 1"=2'V | SHEET NO. 7 OF 10 SHEETS | STA. 224+00.00 TO STA. 226+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	77

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



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

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

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DESIGNED - CM
DRAWN - JM
CHECKED - CM
DATE - MAY 2009

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

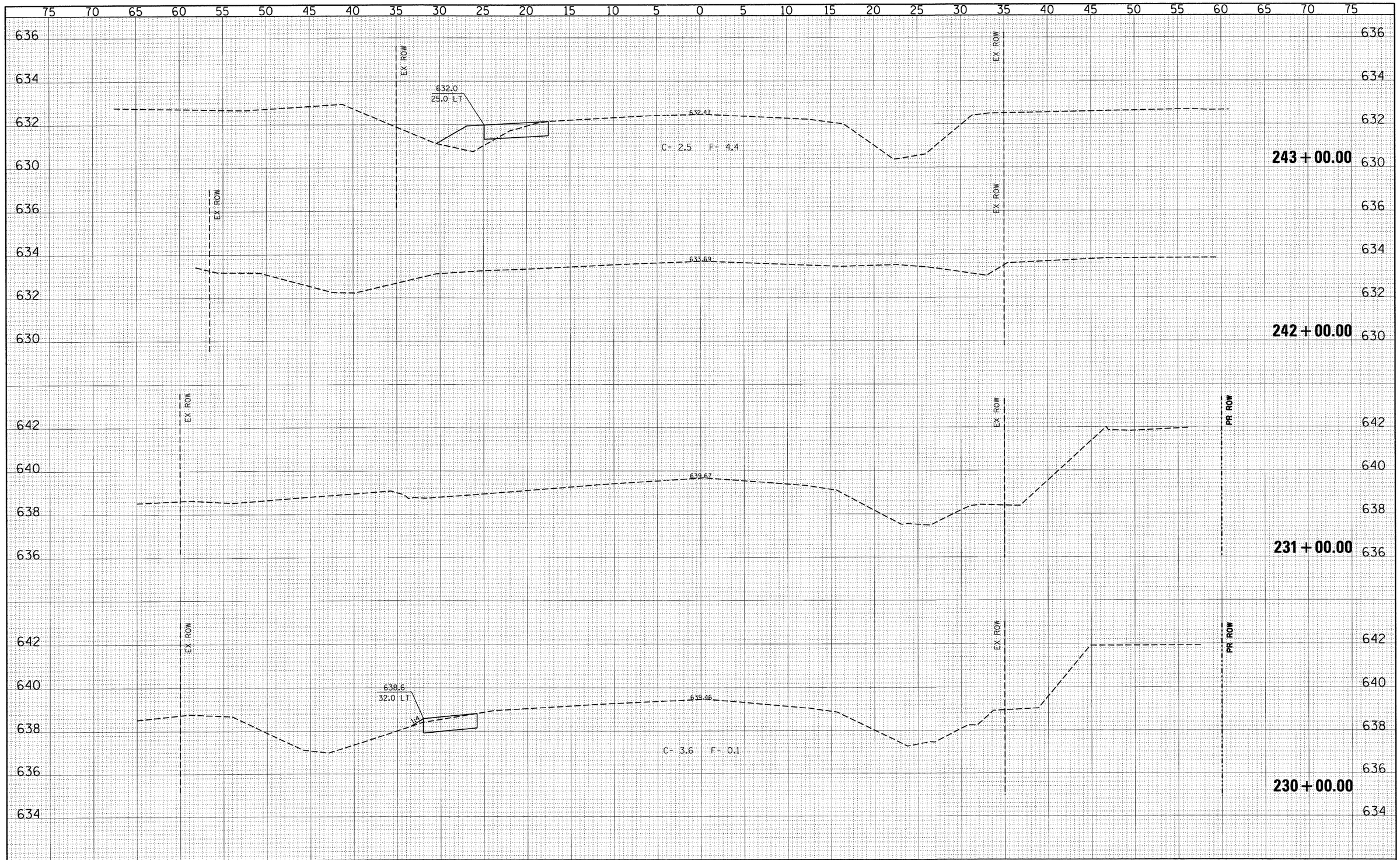
PRE-STAGE CROSS SECTIONS - PLAINFIELD NAPERVILLE RD.
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SCALE:1"=5'H 1"=2'V | SHEET NO. 8 OF 10 SHEETS | STA. 227+00.00 TO STA. 229+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	78

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



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

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

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PLOT SCALE = $SCALE$
PLOT DATE = 12/20/2011

DESIGNED - CM
DRAWN - JM
CHECKED - CM
DATE - MAY 2009

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

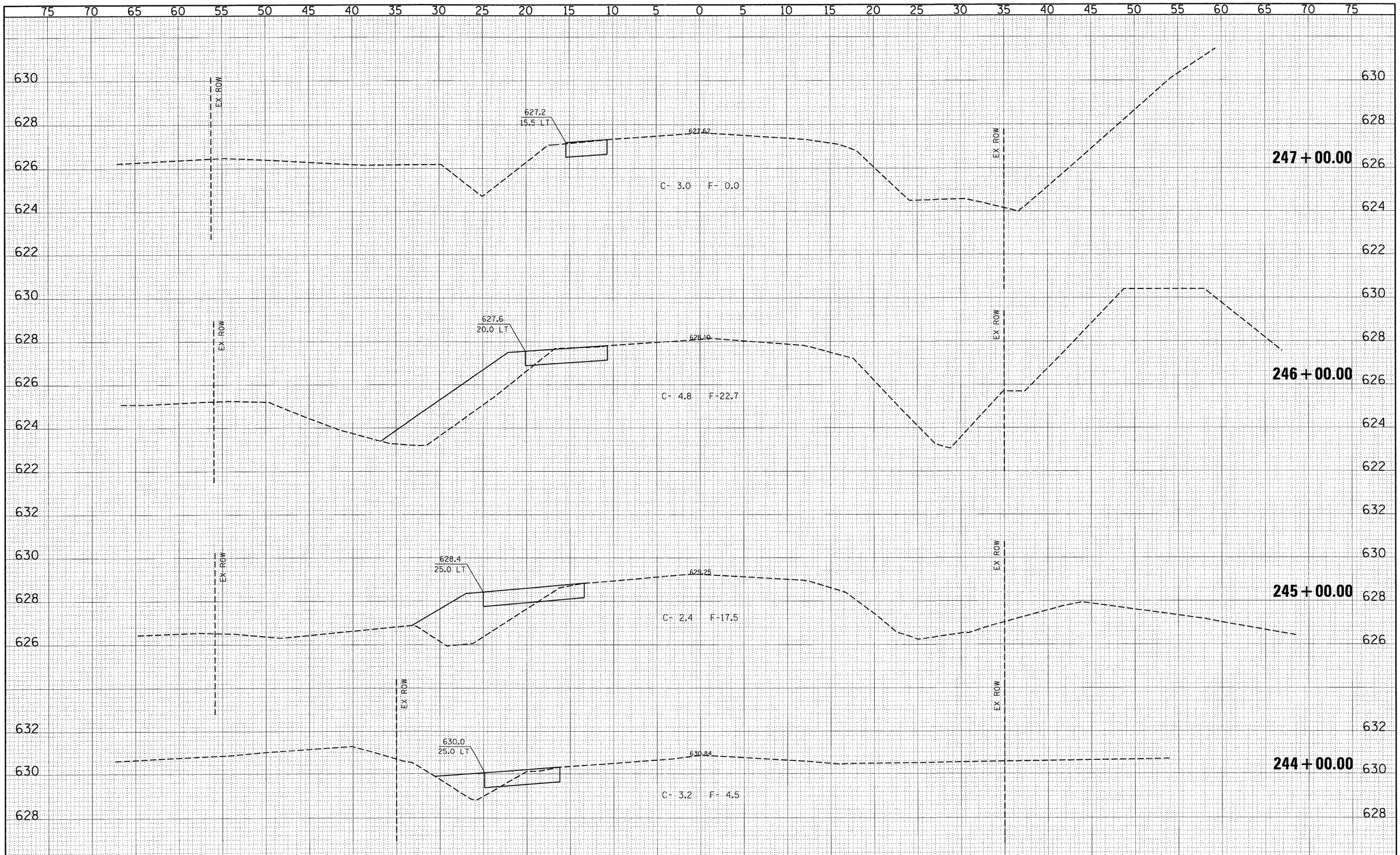
PRE-STAGE CROSS SECTIONS - PLAINFIELD NAPERVILLE RD.
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SCALE:1"=5'H 1"=2'V | SHEET NO. 9 OF 10 SHEETS | STA. 230+00.00 TO STA. 243+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	79

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



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

ORIGINAL SURVEY	BY	DATE
SURVEYED		
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AREAS CHECKED		
NOTE BOOK NO.		

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PLOT DATE = 12/20/2011	DATE - MAY 2009	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

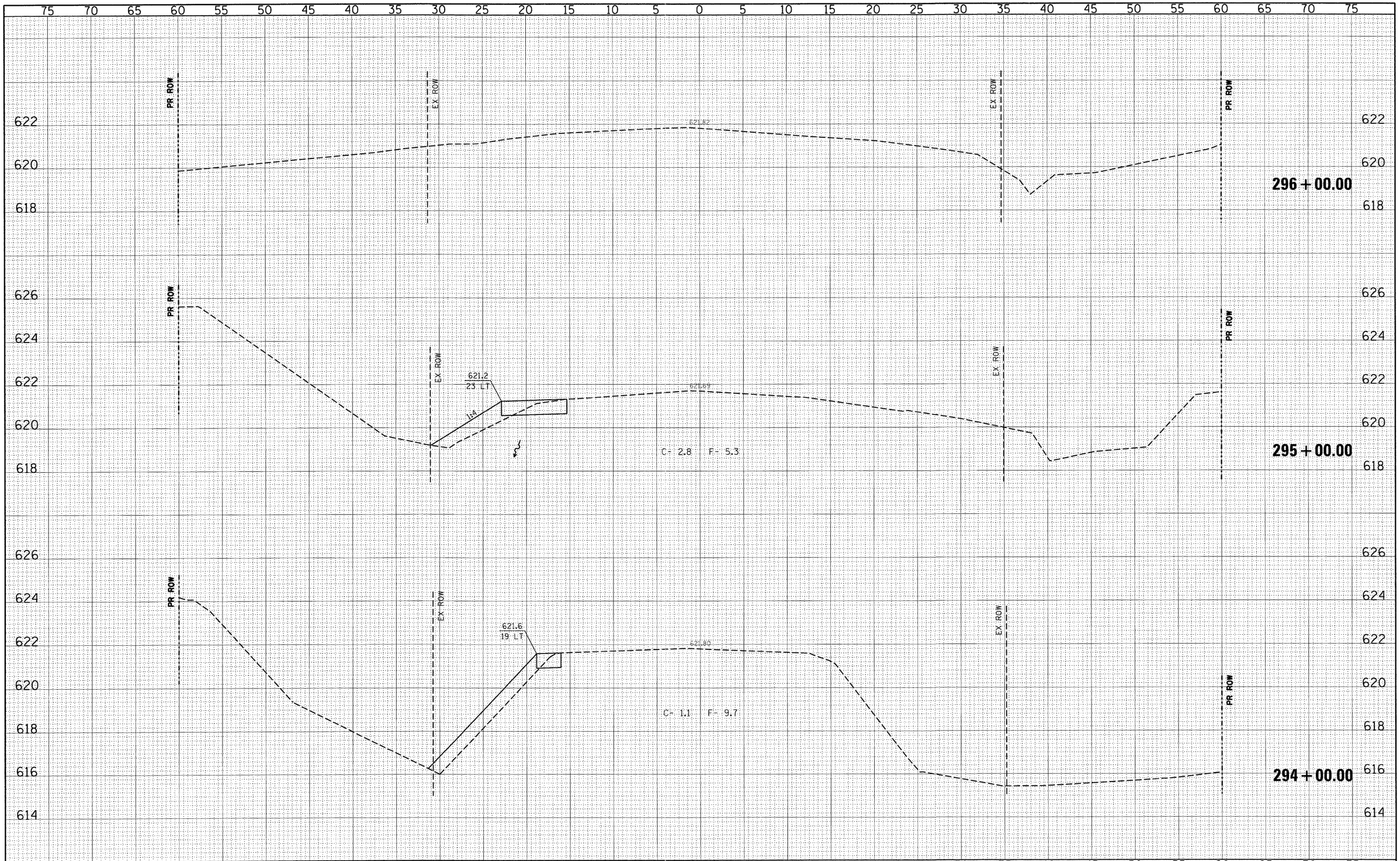
PRE-STAGE CROSS SECTIONS - PLAINFIELD NAPERVILLE RD.
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SCALE:1"=5'H 1"=2'V | SHEET NO. 10 OF 10 SHEETS | STA. 244+00.00 TO STA. 247+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	80

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



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

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

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PLOT DATE = 12/20/2011	DATE - MAY 2009	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

SCALE:1"=5'H 1"=2'V

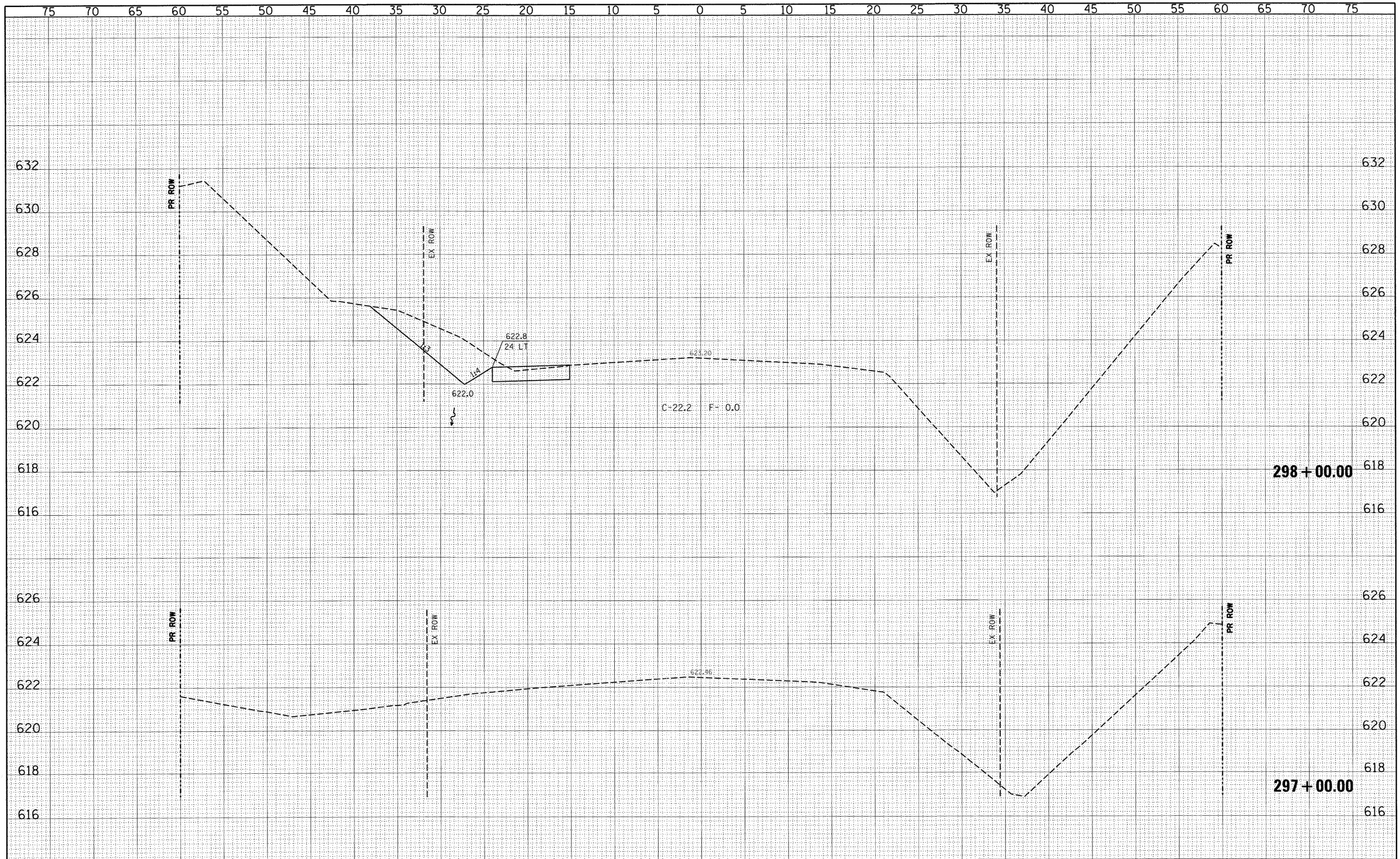
PRE-STAGE CROSS SECTIONS – 119TH STREET
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SHEET NO. 1 OF 12 SHEETS | STA. 294+00.00 TO STA. 296+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	81

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



FINAL SURVEY	BY	DATE
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AREAS CHECKED		
NOTE BOOK NO.		

ORIGINAL SURVEY	BY	DATE
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DRAWN - JM
CHECKED - CM
DATE - MAY 2009

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

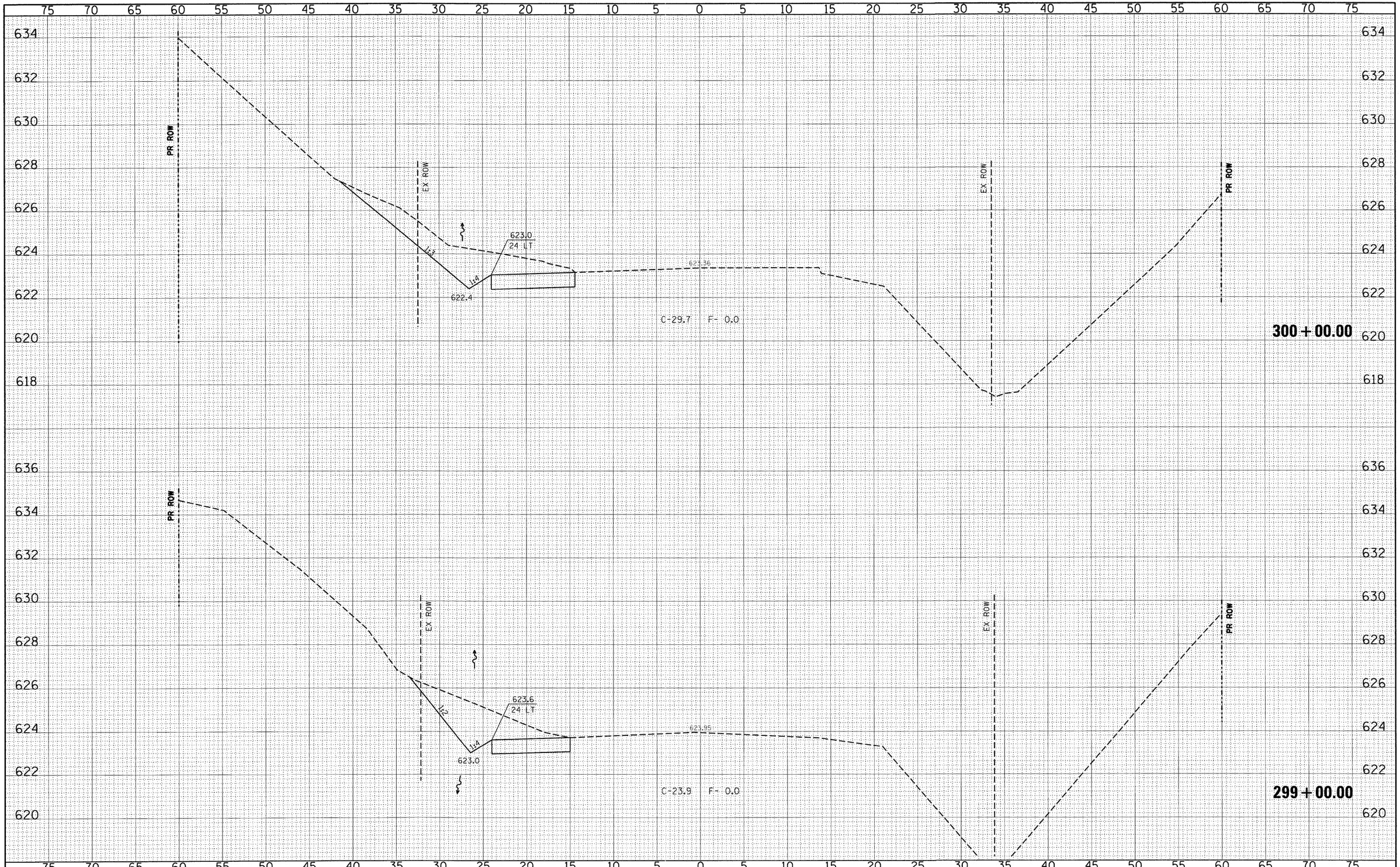
PRE-STAGE CROSS SECTIONS – 119TH STREET
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SCALE:1"=5'H 1"=2'V | SHEET NO. 2 OF 12 SHEETS | STA. 297+00.00 TO STA. 298+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	82

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



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

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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

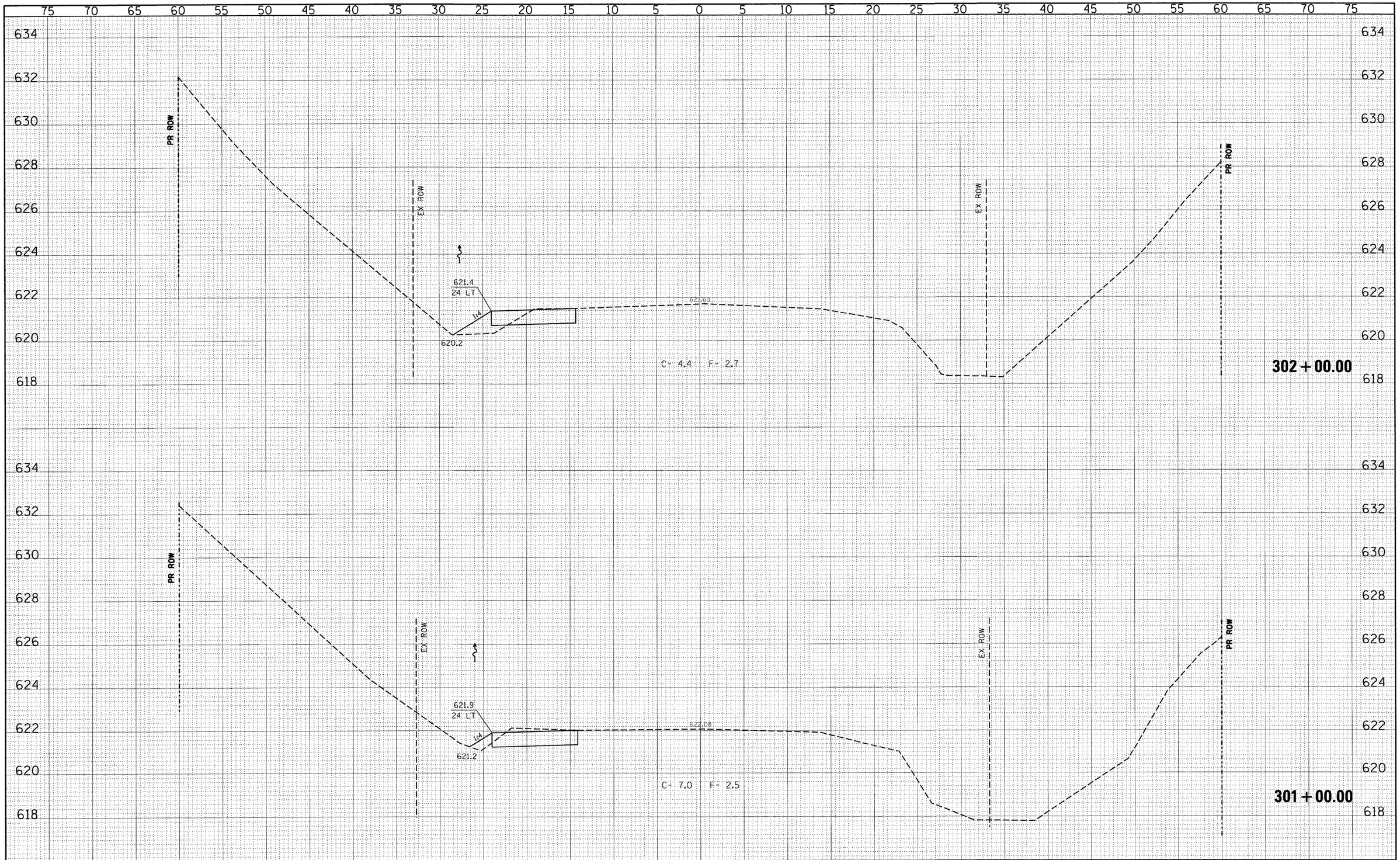
PRE-STAGE CROSS SECTIONS – 119TH STREET
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SCALE:1"=5'H 1"=2'V | SHEET NO. 3 OF 12 SHEETS | STA. 299+00.00 TO STA. 300+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	83

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



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

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

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	PLOT DATE = 12/20/2011	DATE - MAY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

SCALE:1"=5'H 1"=2'V

PRE-STAGE CROSS SECTIONS - 119TH STREET

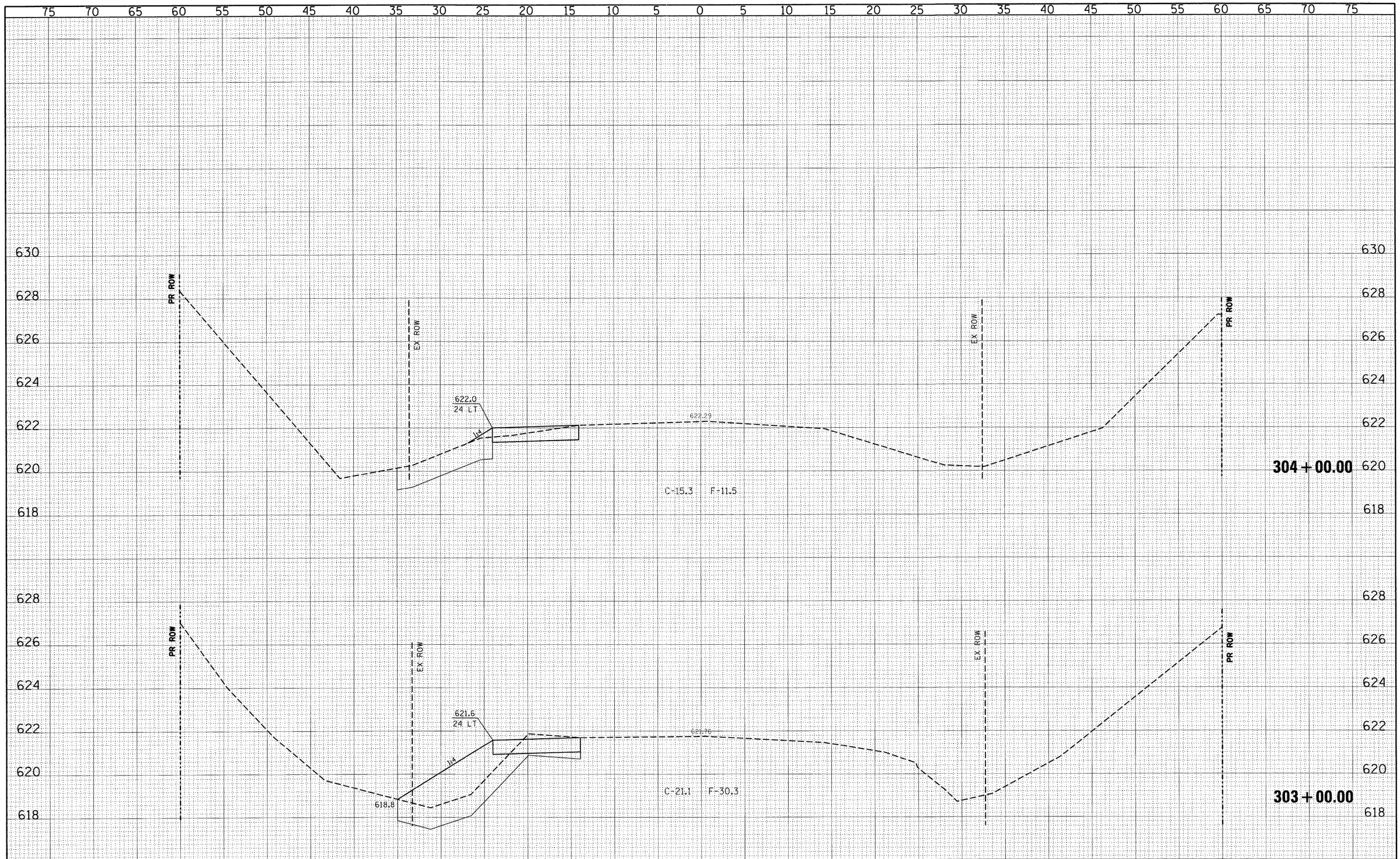
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SHEET NO. 4 OF 12 SHEETS | STA. 301+00.00 TO STA. 302+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	84

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



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

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

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PLOT DATE = 12/20/2011

DESIGNED - CM
DRAWN - JM
CHECKED - CM
DATE - MAY 2009

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

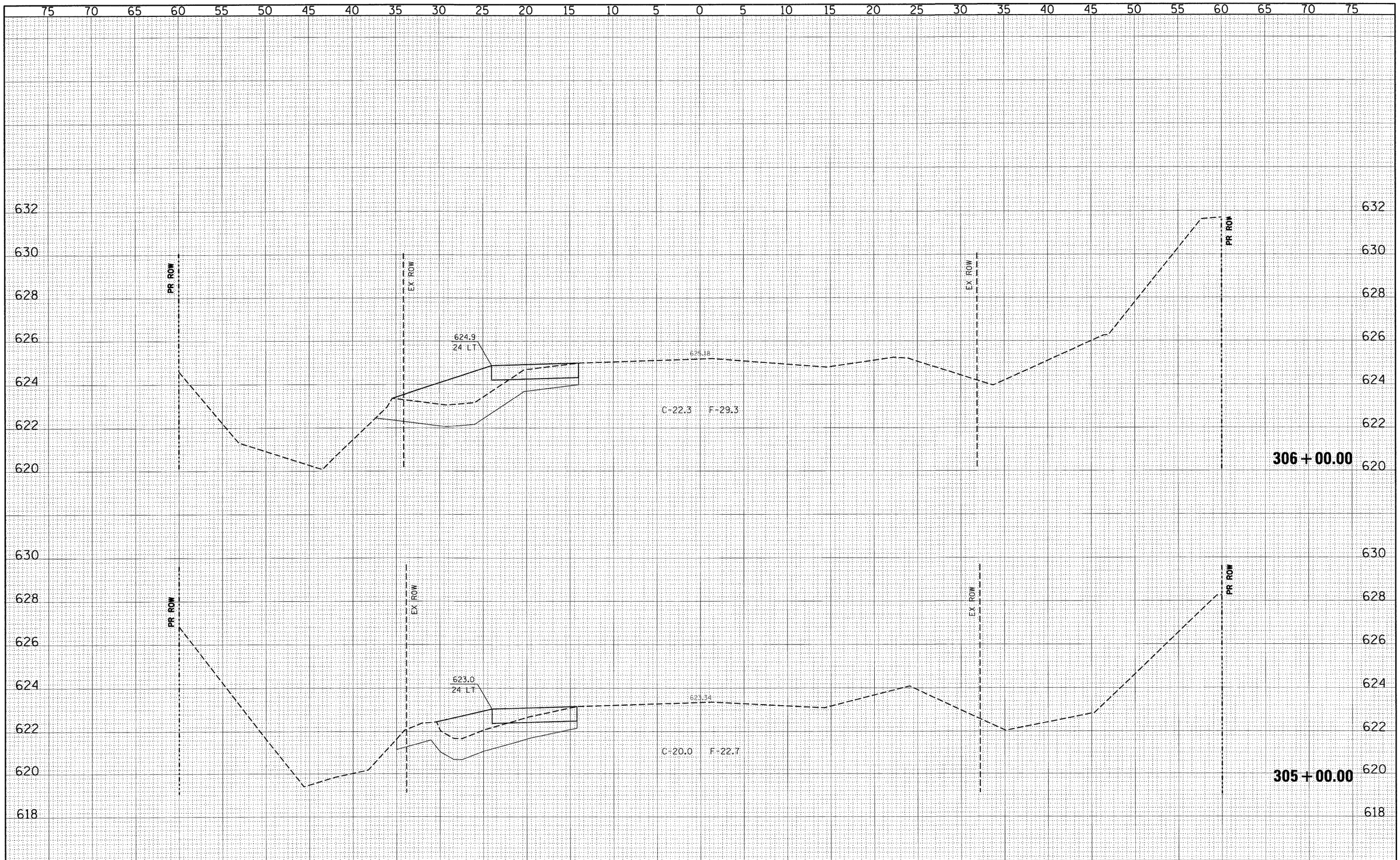
PRE-STAGE CROSS SECTIONS - 119TH STREET
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SCALE:1"=5'H 1"=2'V | SHEET NO. 5 OF 12 SHEETS | STA. 303+00.00 TO STA. 304+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	85

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



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

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

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	DRAWN - JM	REVISED -	
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PLOT DATE = 12/20/2011	DATE - MAY 2009	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

SCALE:1"=5'H 1"=2'V

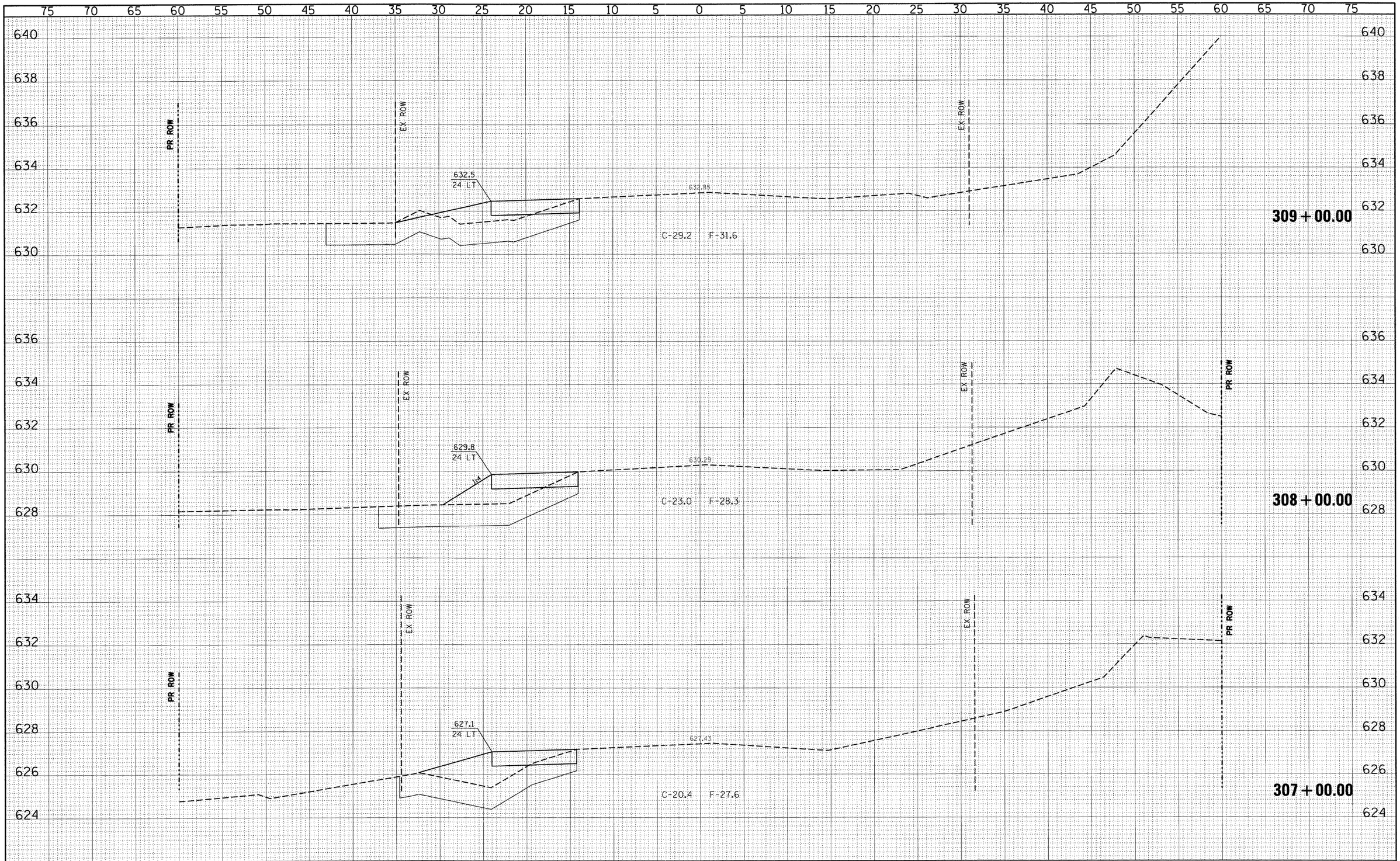
PRE-STAGE CROSS SECTIONS - 119TH STREET
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SHEET NO. 6 OF 12 SHEETS | STA. 305+00.00 TO STA. 306+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	86

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



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

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

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	PLOT DATE = 12/20/2011	DATE - MAY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

SCALE:1"=5'H 1"=2'V

PRE-STAGE CROSS SECTIONS – 119TH STREET

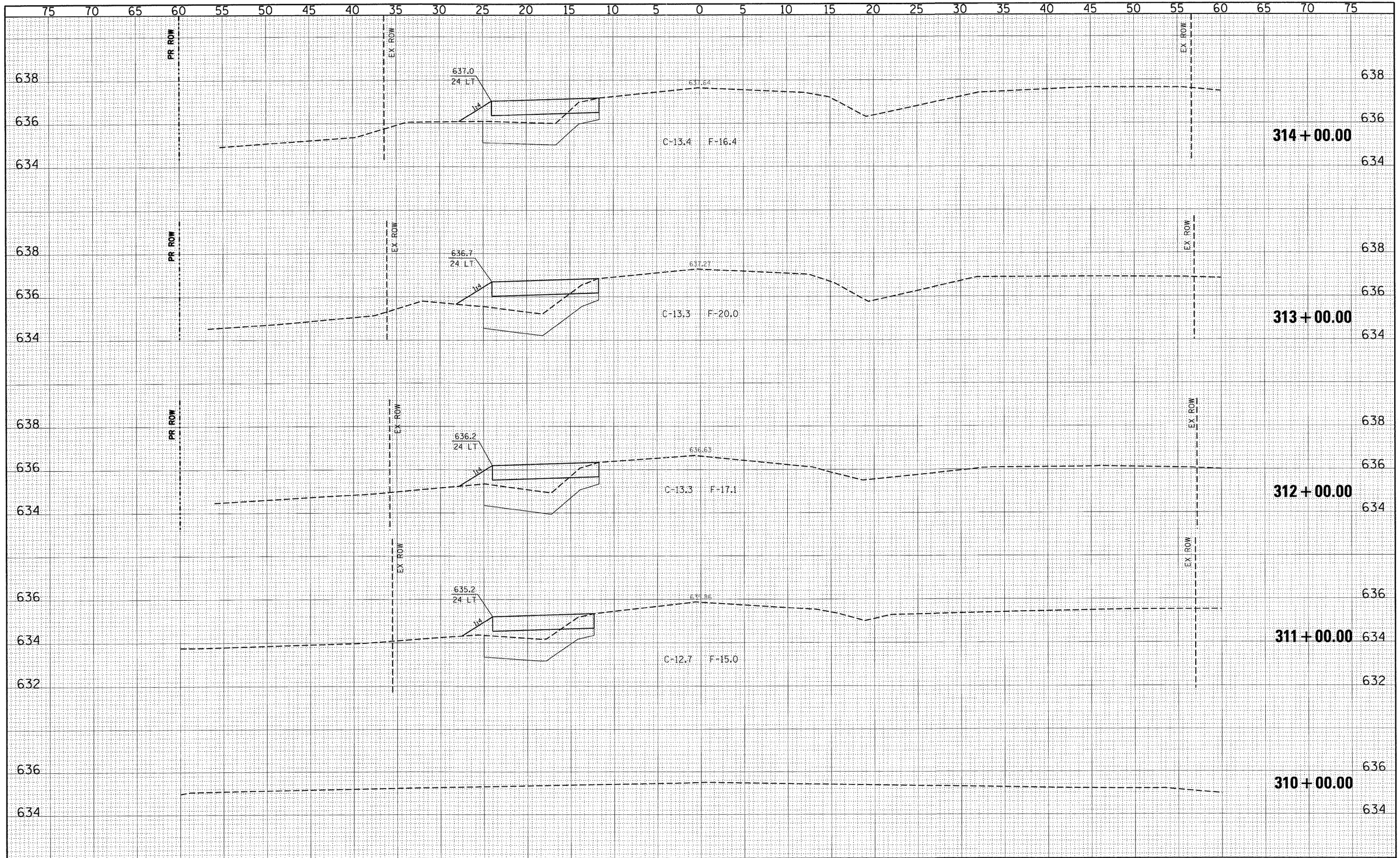
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SHEET NO. 7 OF 12 SHEETS | STA. 307+00.00 TO STA. 309+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	87

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



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

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

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PLOT DATE = 12/20/2011

DESIGNED - CM
DRAWN - JM
CHECKED - CM
DATE - MAY 2009

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

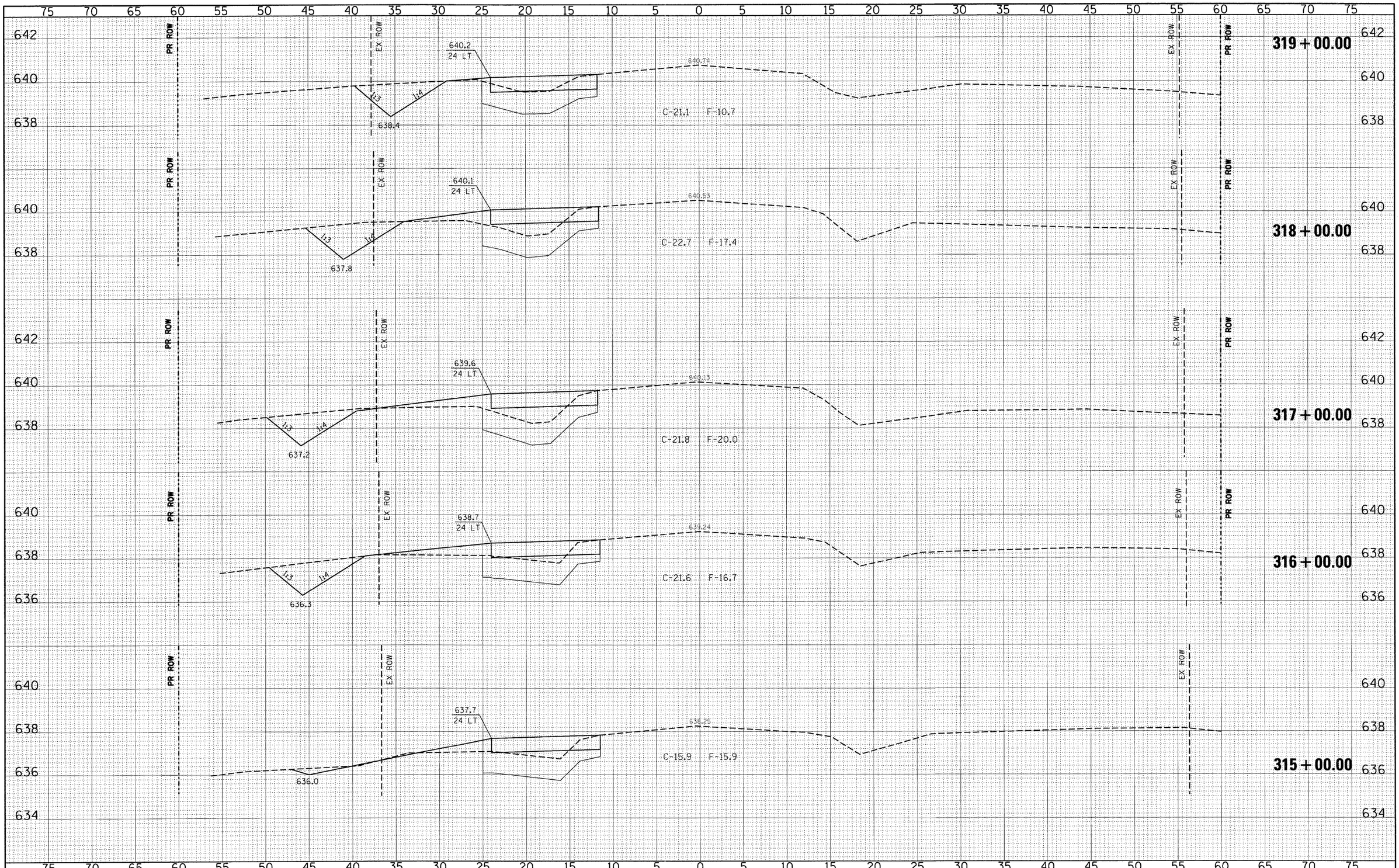
PRE-STAGE CROSS SECTIONS - RODEO DRIVE
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SCALE:1"=5'H 1"=2'V | SHEET NO. 8 OF 12 SHEETS | STA. 310+00.00 TO STA. 314+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	88

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



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

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

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PLOT DATE = 12/20/2011	DATE - MAY 2009	REVISED -	

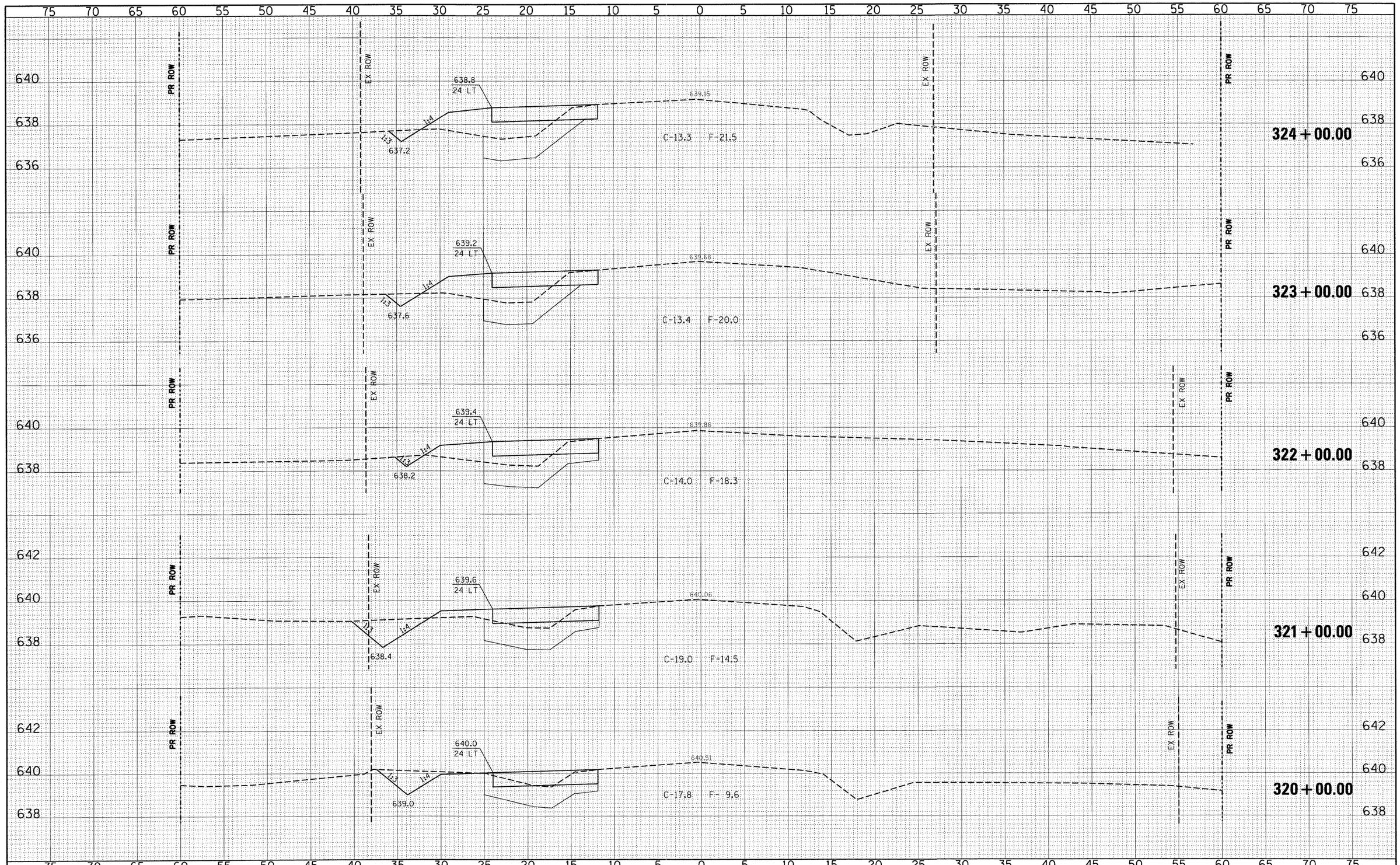
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

PRE-STAGE CROSS SECTIONS - RODEO DRIVE
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SCALE:1"=5'H 1"=2'V | SHEET NO. 9 OF 12 SHEETS | STA. 315+00.00 TO STA. 319+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	89
		CONTRACT NO. 63671		
		ILLINOIS FED. AID PROJECT		



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

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

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	PLOT DATE = 12/20/2011	DATE - MAY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

PRE-STAGE CROSS SECTIONS - RODEO DRIVE

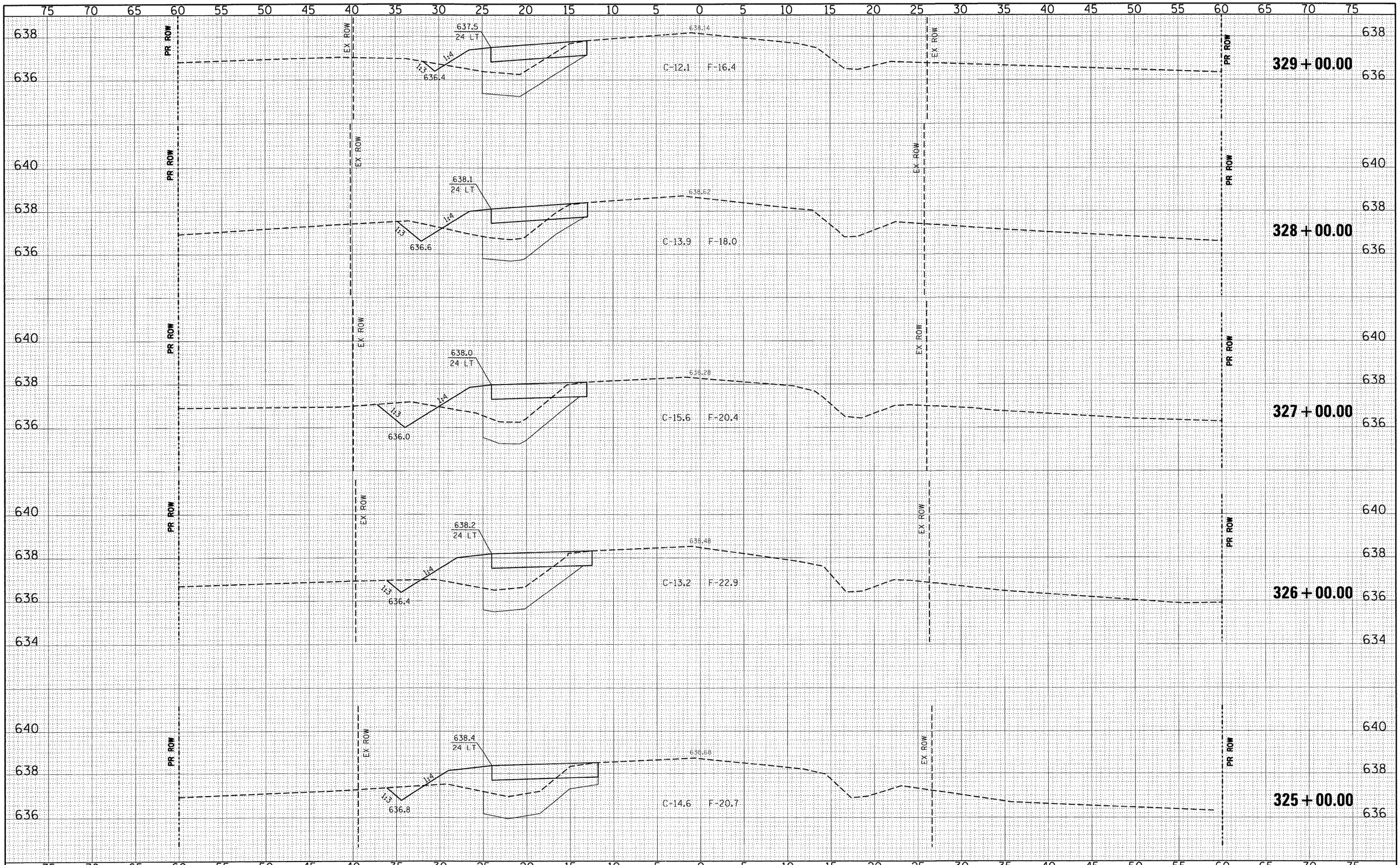
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SCALE:1"=5'H 1"=2'V | SHEET NO. 10 OF 12 SHEETS | STA. 320+00.00 TO STA. 324+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	90

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



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

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

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	PLOT DATE = 12/20/2011	DATE - MAY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

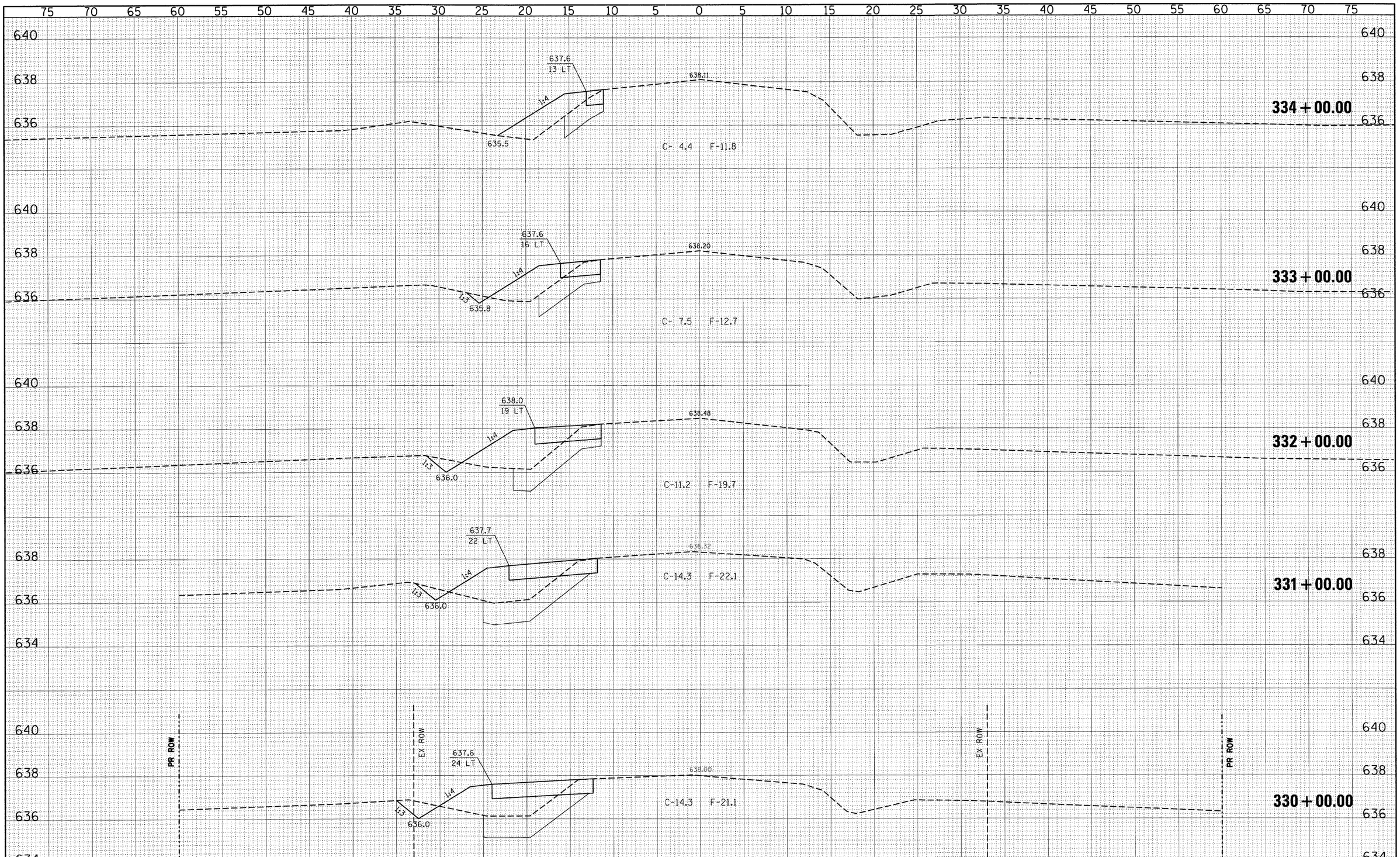
HLR

SCALE:1"=5'H 1"=2'V

PRE-STAGE CROSS SECTIONS - RODEO DRIVE
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SHEET NO. 11 OF 12 SHEETS | STA. 325+00.00 TO STA. 329+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	91
		CONTRACT NO. 63671		
		ILLINOIS FED. AID PROJECT		



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

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

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PLOT DATE = 12/20/2011

USER NAME = $USER$

DESIGNED - CM	REVISED -		
DRAWN - JM	REVISED -		
CHECKED - CM	REVISED -		
DATE - MAY 2009	REVISED -		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

SCALE:1"=5'H 1"=2'V

PRE-STAGE CROSS SECTIONS - RODEO DRIVE

PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

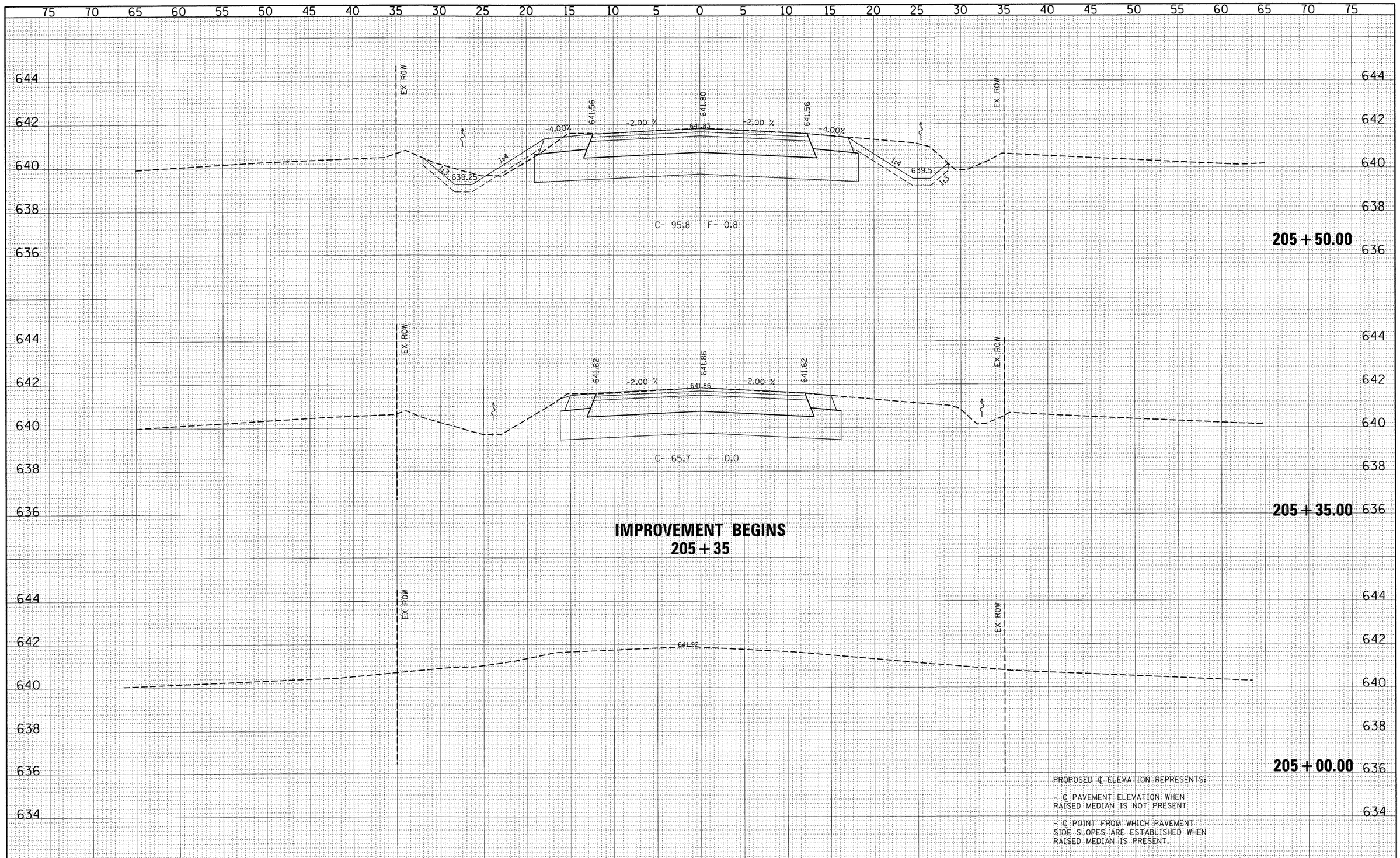
SHEET NO. 12 OF 12 SHEETS

STA. 330+00.00 TO STA. 334+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	92

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



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

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

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PLOT DATE = 12/20/2011	DATE - MAY 2009	REVISED -	

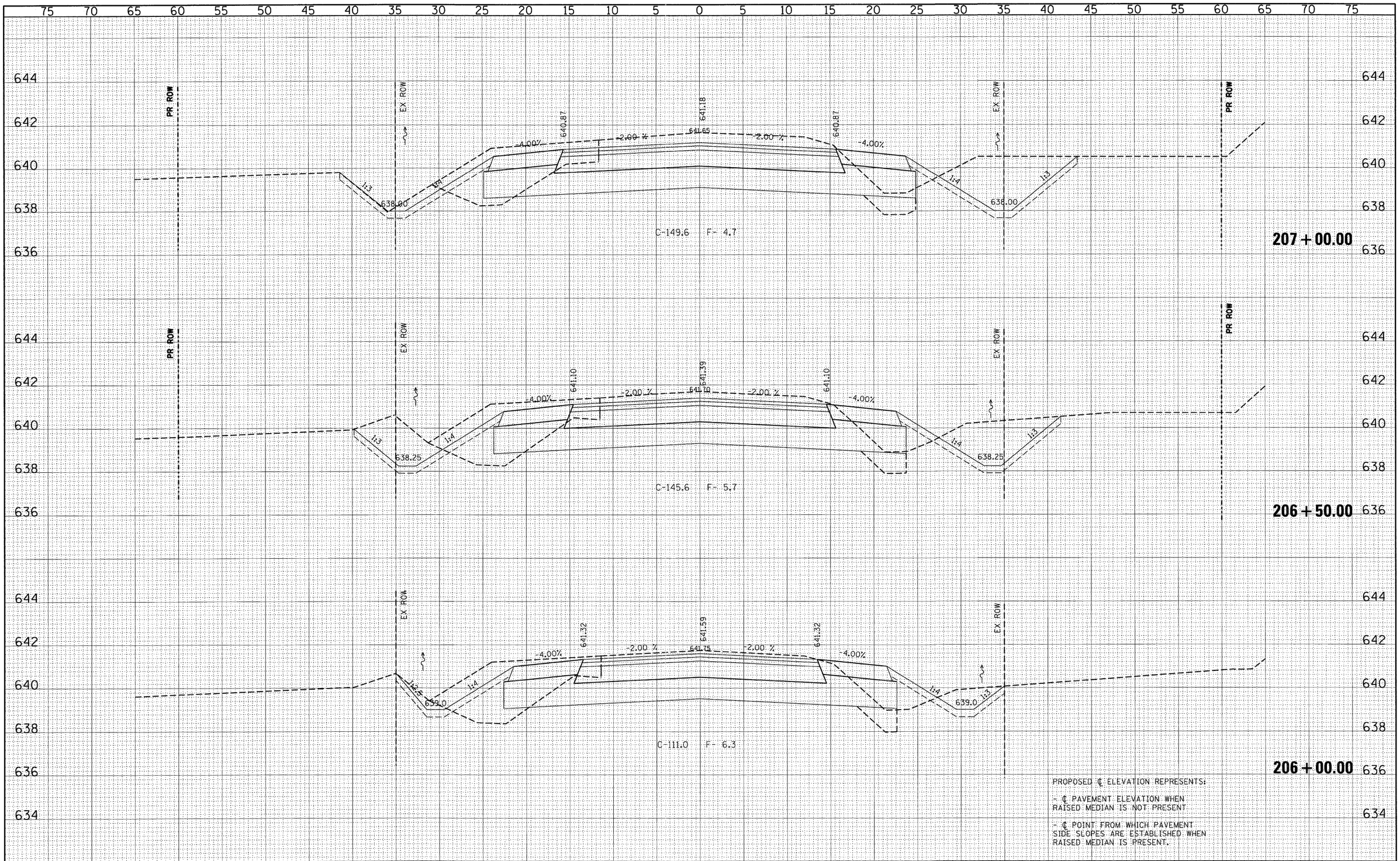
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

CROSS SECTIONS – PLAINFIELD NAPERVILLE ROAD
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SCALE:1"=5'H 1"=2'V | SHEET NO. 1 OF 30 SHEETS | STA. 205+00.00 TO STA. 205+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	93
		CONTRACT NO. 63671		
	ILLINOIS FED. AID PROJECT			



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

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

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PLOT DATE = 12/20/2011	DATE - MAY 2009	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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SCALE:1"=5'H 1"=2'V

CROSS SECTIONS - PLAINFIELD NAPERVILLE ROAD

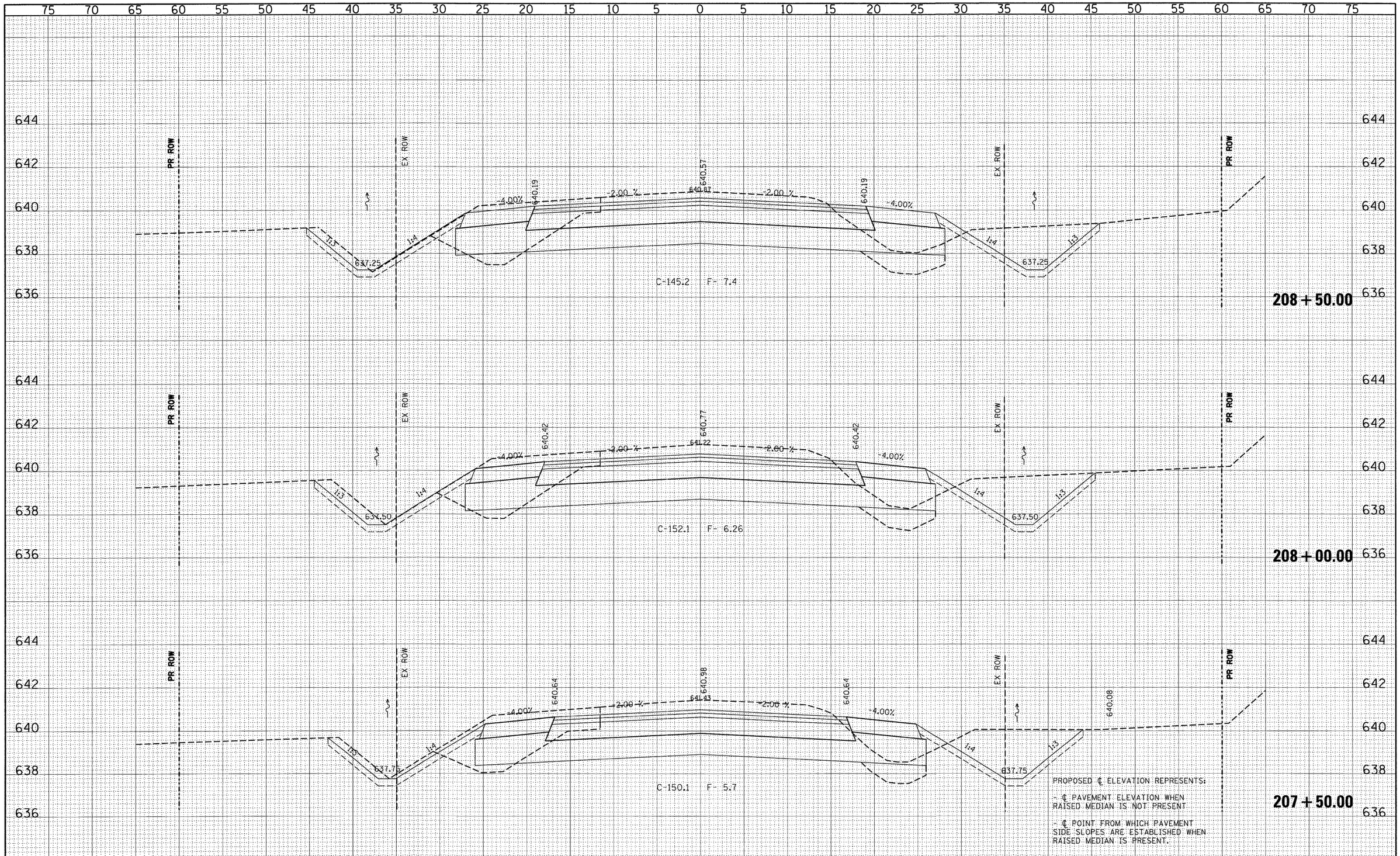
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SHEET NO. 2 OF 30 SHEETS | STA. 206+00.00 TO STA. 207+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	94

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

SCALE:1"=5'H 1"=2'V

CROSS SECTIONS – PLAINFIELD NAPERVILLE ROAD

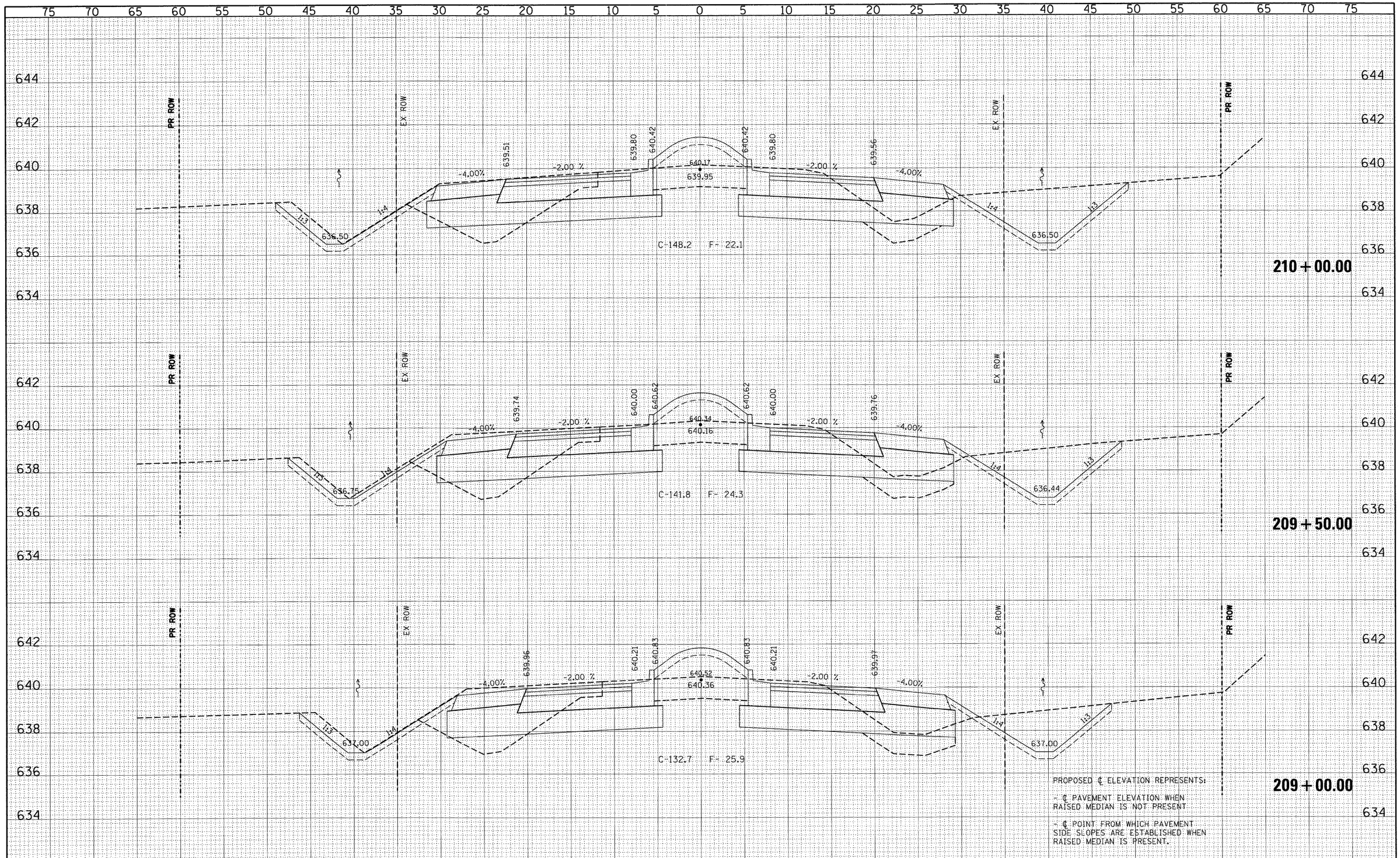
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SHEET NO. 3 OF 30 SHEETS | STA. 207+50.00 TO STA. 208+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	95

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



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

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

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PLOT DATE = 12/20/2011	DATE - MAY 2009	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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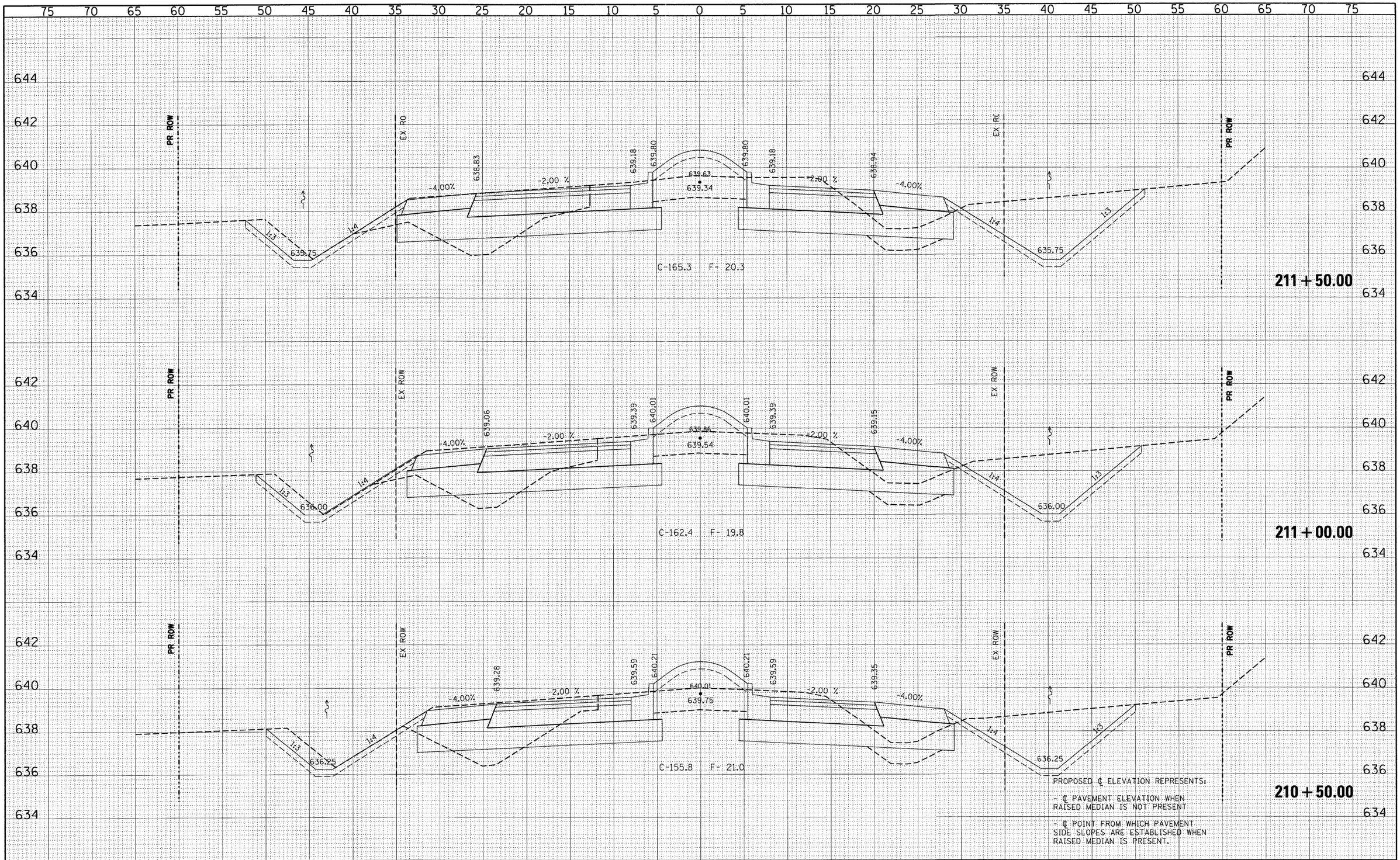
CROSS SECTIONS – PLAINFIELD NAPERVILLE ROAD
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SCALE:1"=5'H 1"=2'V | SHEET NO. 4 OF 30 SHEETS | STA. 209+00.00 TO STA. 210+00.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	96

CONTRACT NO. 63671

ILLINOIS | FED. AID PROJECT



FINAL SURVEY	BY	DATE
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TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK		
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ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		
NOTE BOOK		
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	DRAWN - JM	REVISED -
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PLOT DATE = 12/20/2011	DATE - MAY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

SCALE:1"=5'H 1"=2'V

CROSS SECTIONS - PLAINFIELD NAPERVILLE ROAD

PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

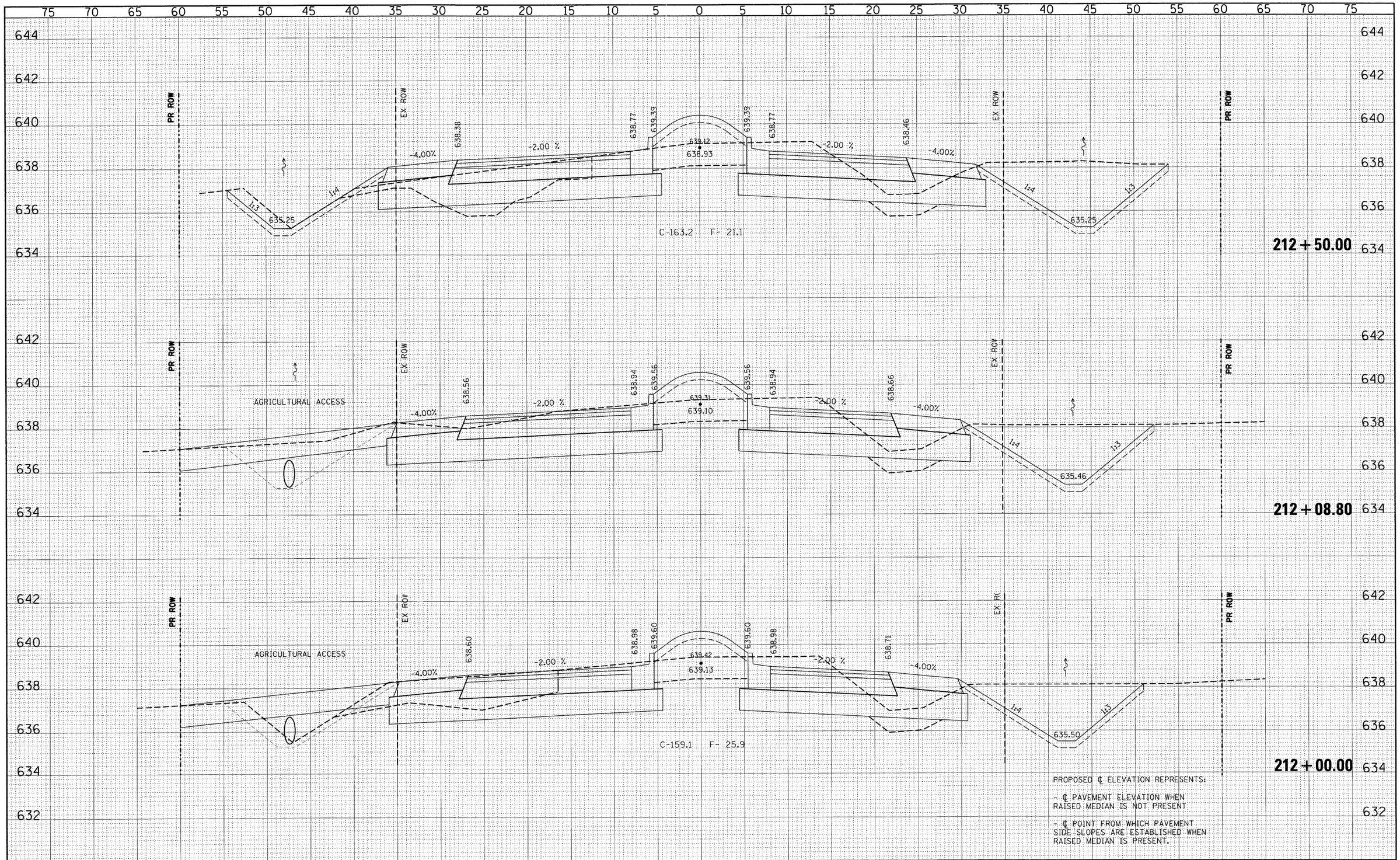
SHEET NO. 5 OF 30 SHEETS

STA. 210+50.00 TO STA. 211+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	97

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



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

ORIGINAL SURVEY	BY	DATE
SURVEYED		
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AREAS		
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NOTE BOOK NO.		

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	PLOT DATE = 12/20/2011	DATE - MAY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

SCALE:1"=5'H 1"=2'V

CROSS SECTIONS – PLAINFIELD NAPERVILLE ROAD

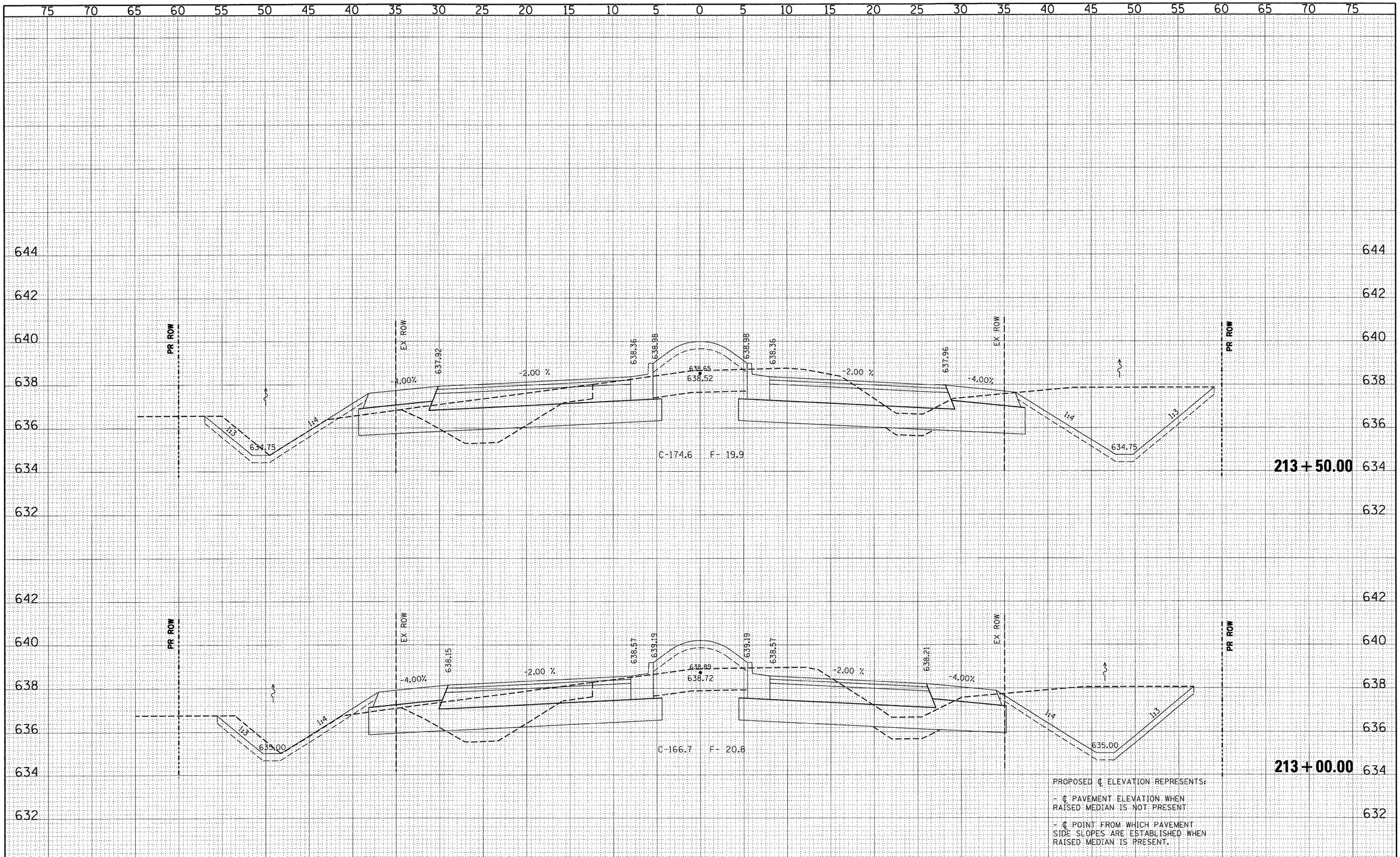
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SHEET NO. 6 OF 30 SHEETS | STA. 212+00.00 TO STA. 212+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	98

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



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

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

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	PLOT DATE = 12/20/2011	DATE - MAY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

SCALE:1"=5'H 1"=2'V

CROSS SECTIONS – PLAINFIELD NAPERVILLE ROAD

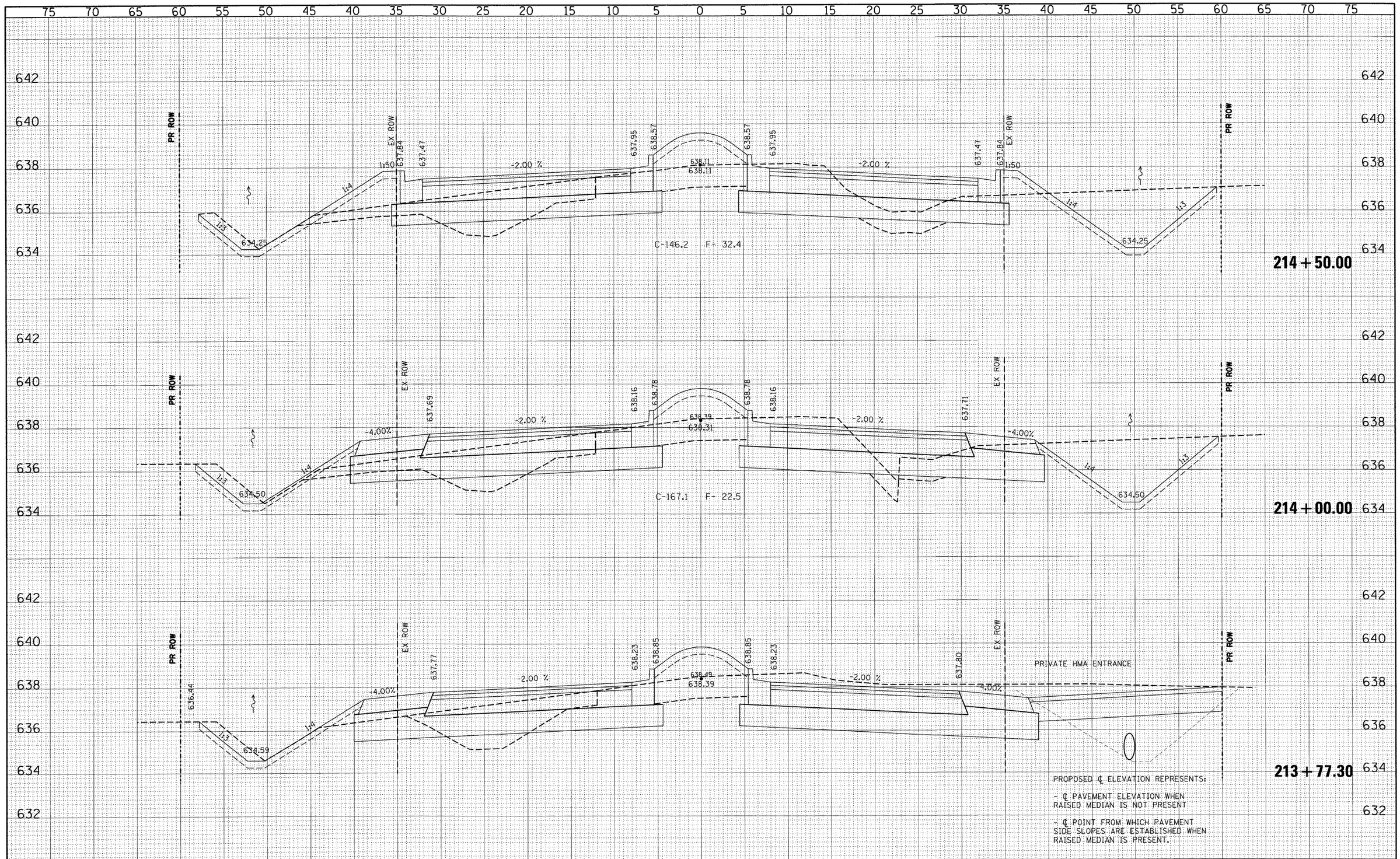
PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SHEET NO. 7 OF 30 SHEETS | STA. 213+00.00 TO STA. 213+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	99

CONTRACT NO. 63671

ILLINOIS FED. AID PROJECT



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

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

FILE NAME = P:\070116\cad\phase 2\dwg\070116-sxs-Plain.dgn	USER NAME = $USER$	DESIGNED - CM	REVISED -
		DRAWN - JM	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - CM	REVISED -
	PLOT DATE = 12/20/2011	DATE - MAY 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HLR

SCALE:1"=5'H 1"=2'V

CROSS SECTIONS – PLAINFIELD NAPERVILLE ROAD

PLAINFIELD NAPERVILLE RD AT 119TH ST /RODEO DR

SHEET NO. 8 OF 30 SHEETS | STA. 213+82.50 TO STA. 214+50.00

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
324	04-00036-22-TL	WILL	152	100
		CONTRACT NO. 63671		
		ILLINOIS FED. AID PROJECT		