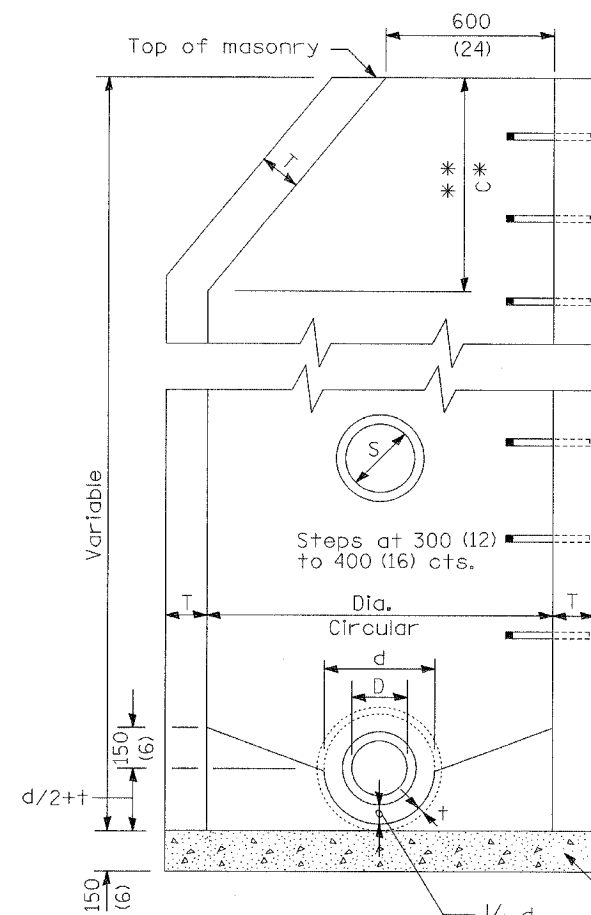
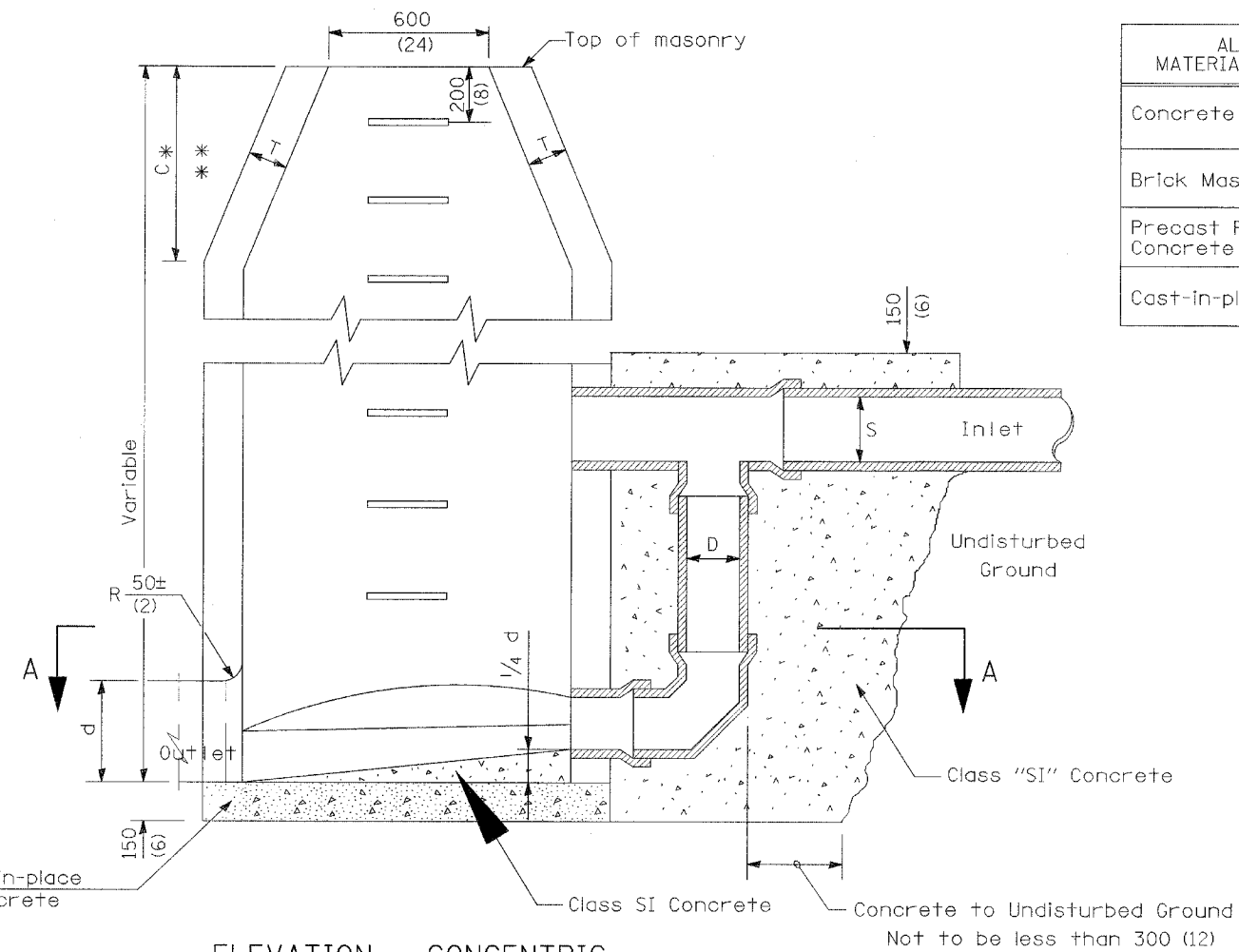


F&P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	114 BY-R-1	WILL	139	101
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FAP 338 (IL RTE. 59)		

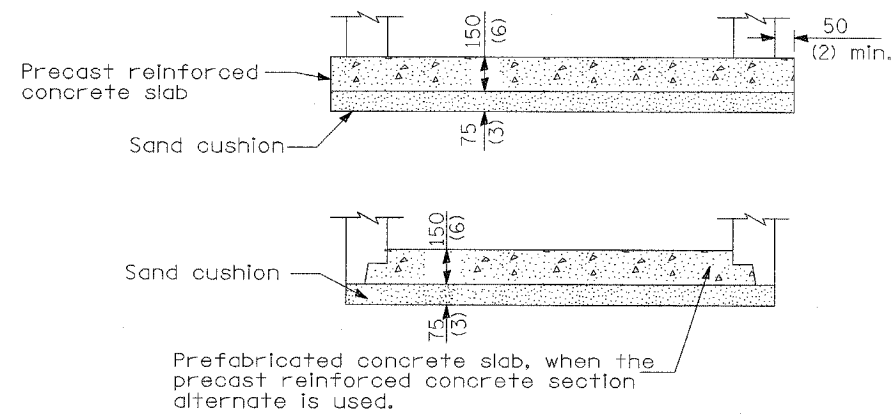


ELEVATION - ECCENTRIC

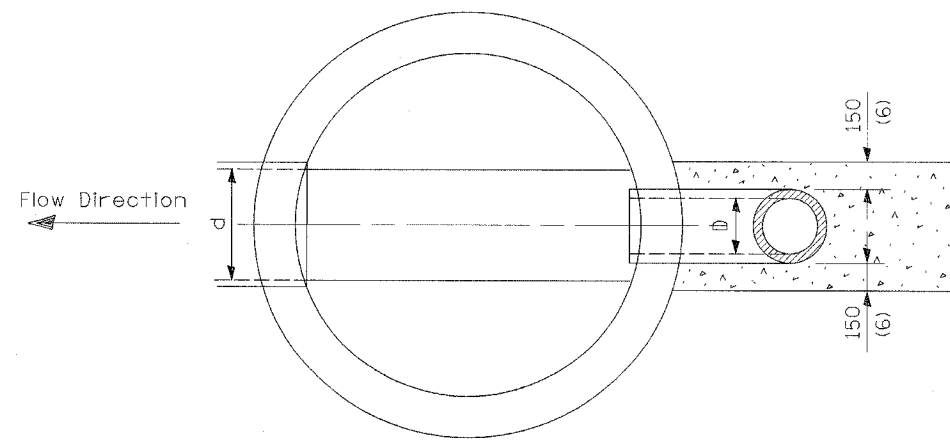


ELEVATION - CONCENTRIC

ALTERNATE MATERIALS FOR WALLS	Dia.	C	T (min.)
Concrete Masonry Unit	1.2 m (4'-0")	750 (30)	125 (5)
	1.5 m (5'-0")	1.15 m (3'-9")	125 (5)
Brick Masonry	1.2 m (4'-0")	750 (30)	200 (8)
	1.5 m (5'-0")	1.15 m (3'-9")	200 (8)
Precast Reinforced Concrete Section	1.2 m (4'-0")	750 (30)	100 (4)
	1.5 m (5'-0")	1.15 m (3'-9")	125 (5)
Cast-in-place Concrete	1.2 m (4'-0")	750 (30)	150 (6)
	1.5 m (5'-0")	1.15 m (3'-9")	150 (6)



ALTERNATE BOTTOM SLAB



PLAN SECTION A-A

GENERAL NOTES

Diameter of Riser of Manhole Drop Connection "D" to be of a diameter one standard pipe size smaller than the diameter of the sewer being connected to the Manhole "S" excepting that no riser shall be less than 200 mm (8") in diam.

See Standard 602701 for details of steps.

* Dimension "C" for Precast Reinforced Concrete Sections may vary from the dimension given to plus 150 mm (6").

** See Standard 602601 for Optional Precast Reinforced Concrete Flat Slab Top.

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

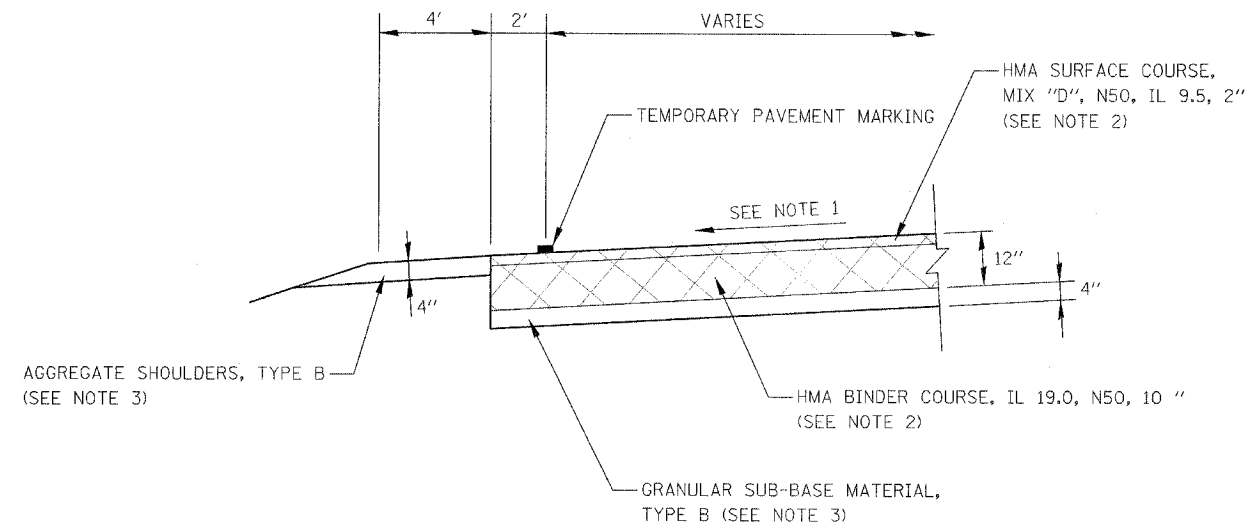
ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT NO. 1 SCHAUMBURG

DETAILS

SCALE NONE
DATE AUGUST 17, 2007

DRAWN BY BSB
CHECKED BY JCM

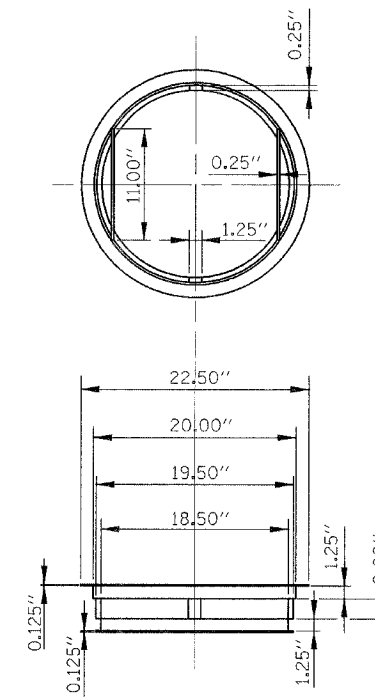
EXP. H/L	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	114 BY-R-1	WILL	139	102
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS		
		FAP 338 (IL RTE. 59)		



NOTES:

- CROSS SLOPE OF TEMPORY PAVEMENT SHALL MATCH THE CROSS SLOPE OF THE ADJACENT EXISTING OR PROPOSED PAVEMENT, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- THE COST OF HMA SURFACE COURSE, MIX "D", N50, IL 9.5 AND HMA BINDER COURSE, IL 19.0, N50 SHALL BE PAID FOR AT THE UNIT PRICE FOR "TEMPORARY PAVEMENT".
- GRANULAR SUB-BASE MATERIAL, TYPE B AND AGGREGATE SHOULDERS, TYPE B SHALL BE PAID FOR SEPERATELY.

TEMPORARY PAVEMENT

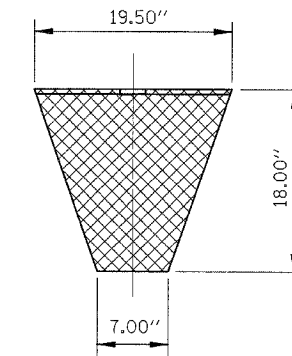


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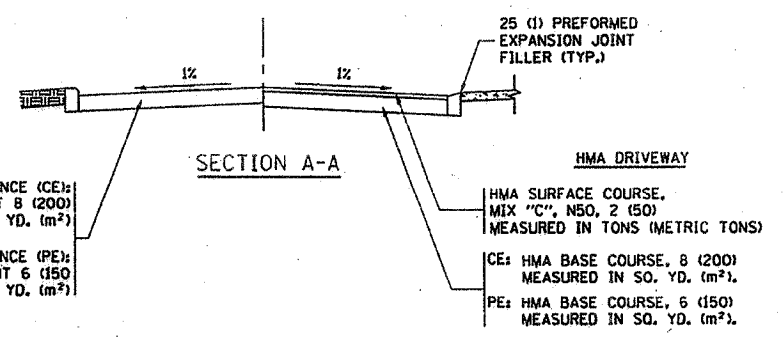
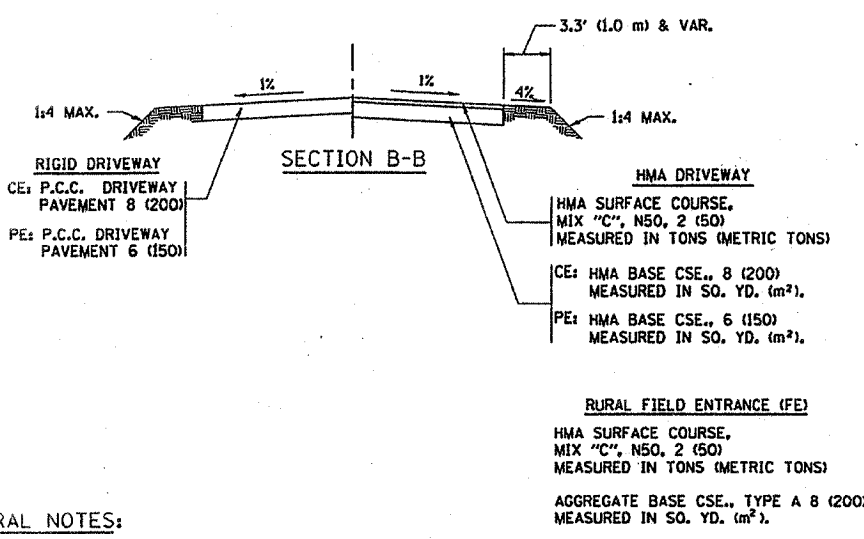
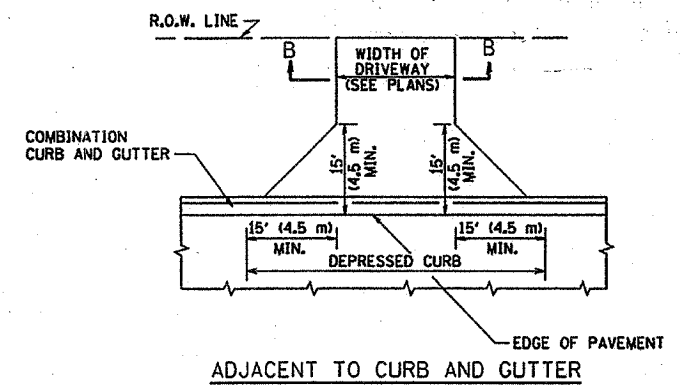
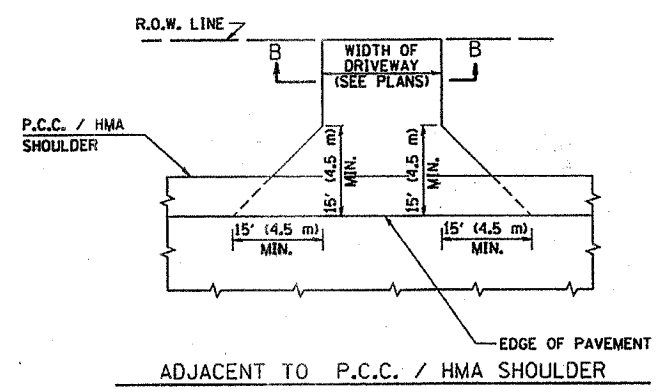
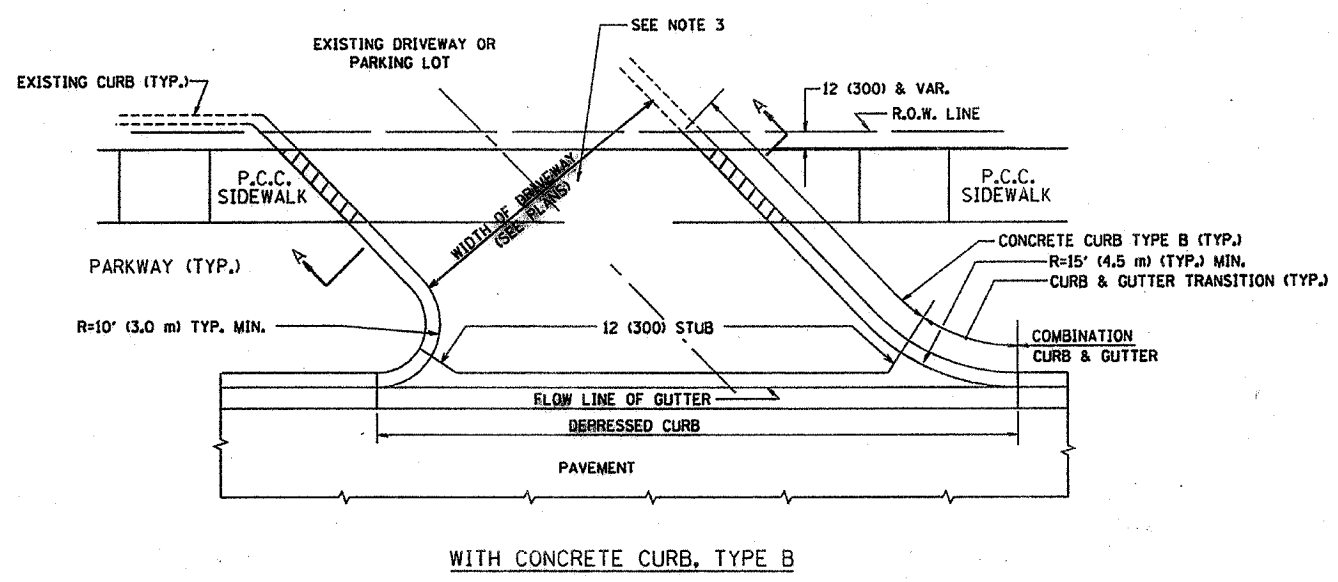
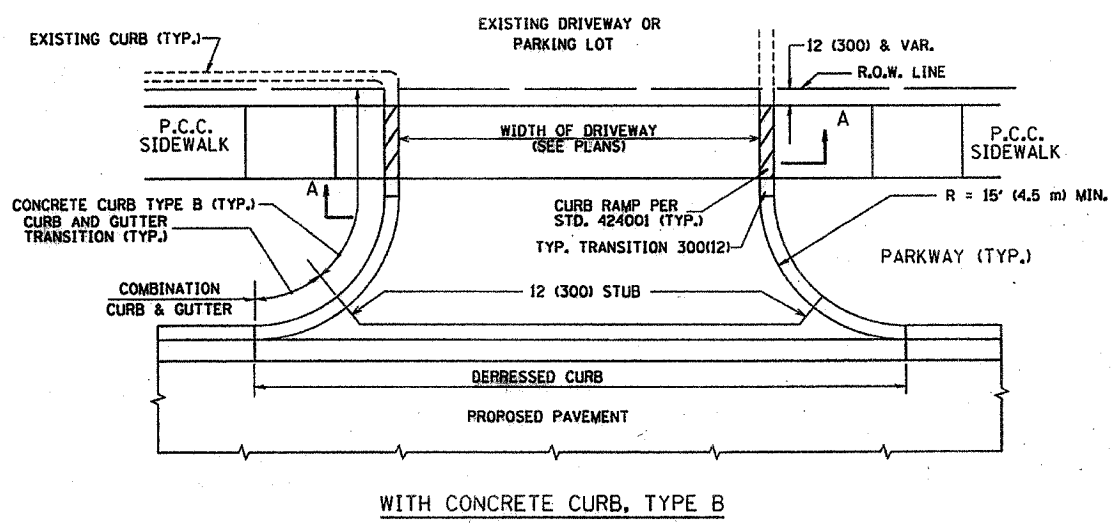
FRAME:
 TOP RING CONSTRUCTED FROM 1-1/4" X 1-1/4" X 1/8" ANGLE.
 BASE RING CONSTRUCTED FROM 1-1/2" X 1/2" X 1/8" CHANNEL.
 HANDLES & SUSPENSION BRACKETS CONSTRUCTED FROM 1/4" X 1-1/4" FLAT.
 ALL STEEL SHALL CONFORM TO ASTM-A36.

REPLACEABLE BAG:
 CONSTRUCTED FROM 4 OZ. / SQ. YD. NON-WOVEN POLYPROPYLENE GEOTEXTILE REINFORCED WITH POLYESTER MESH. CONNECTED TO BASE RING WITH STAINLESS STEEL STRAP AND LOCK.

INLET FILTERS



DETAILS



GENERAL NOTES:

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

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

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

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

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

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

REVISIONS	
NAME	DATE
R. SHAH	11-04-95
J. POLLASTRINI	08-12-96
J. POLLASTRINI	12-14-96
A. ABBAS	03-21-97
T. HOLTZ	04-08-97
M. GOMEZ	04-06-01
P. LOFLEUR	04-15-03
R. BORO	01-01-07

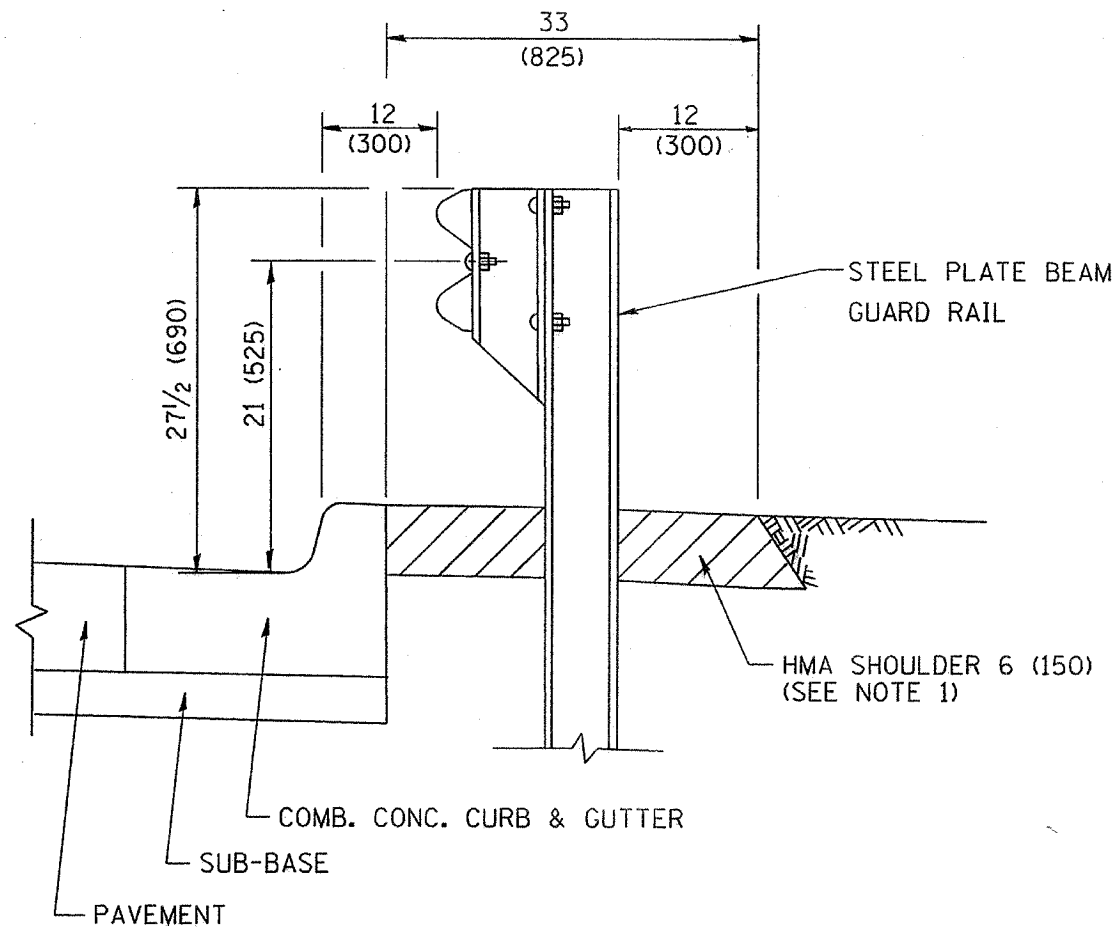
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED

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

SCALE: VERT. NONE
 HORIZ. NONE
 DRAWN BY
 CHECKED BY

PLOT DATE: 3/6/2007
 PLOT SCALE: 1/8" = 1'-0"
 USER NAME: bborro

FAP R/L	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
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STA.		TO STA.		
FED. ROAD DIST. NO.	BLM/MS	FAP 338 (IL RTE. 59)		



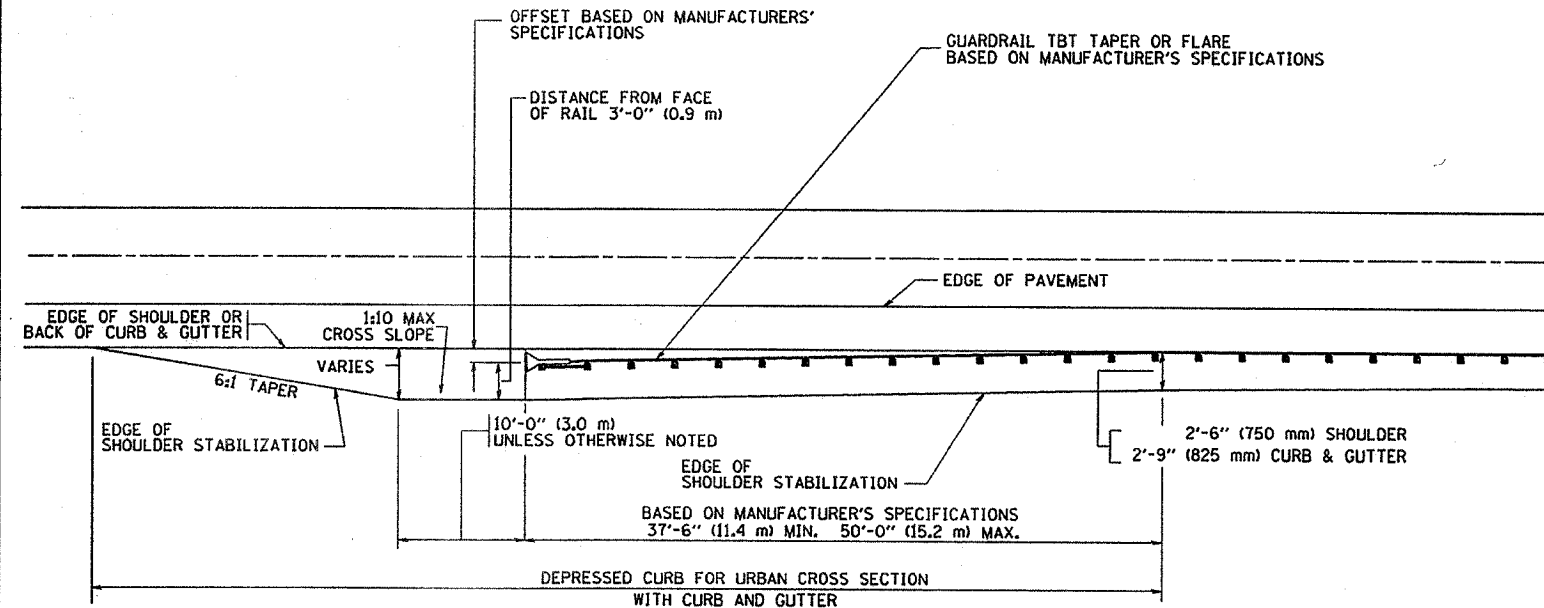
- NOTES: 1. THE HMA SHOULDER SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL
2. GUARD RAIL MAY BE PLACED AT THE BACK OF CURB WHEN DIRECTED BY THE ENGINEER.

BASIS OF PAYMENT: HMA SHOULDER 6 (150) WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SHOULDER 6" (150 mm)".

STEEL PLATE BEAM GUARD RAIL AND TRAFFIC BARRIER TERMINAL, OF THE TYPE SPECIFIED WILL BE PAID FOR SEPARATELY.

DETAILS FOR STEEL PLATE BEAM GUARD RAIL ADJACENT TO CURB AND GUTTER
 [FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]

PLOT DATE: 3/6/2007
 FILE NAME: K:\data\60c19\bd3.dwg
 USER: jls



STABILIZATION AT TBT TY. 1 SPL.

TBT = TRAFFIC BARRIER TERMINAL
 ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

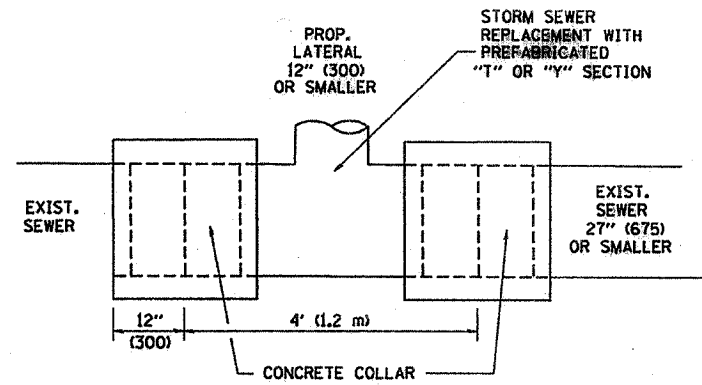
REVISIONS	
NAME	DATE
M. DE YONG	09-22-90
M. DE YONG	07-14-92
R. SHAH	09/09/94
R. SHAH	10/25/94
R. SHAH	02/23/98
A. ABBAS	03/21/97
E. GOMEZ	08/28/00
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DETAILS FOR
 STEEL PLATE BEAM GUARD RAIL
 ADJACENT TO CURB AND GUTTER
 STABILIZATION AT TBT TY 1 SPL.

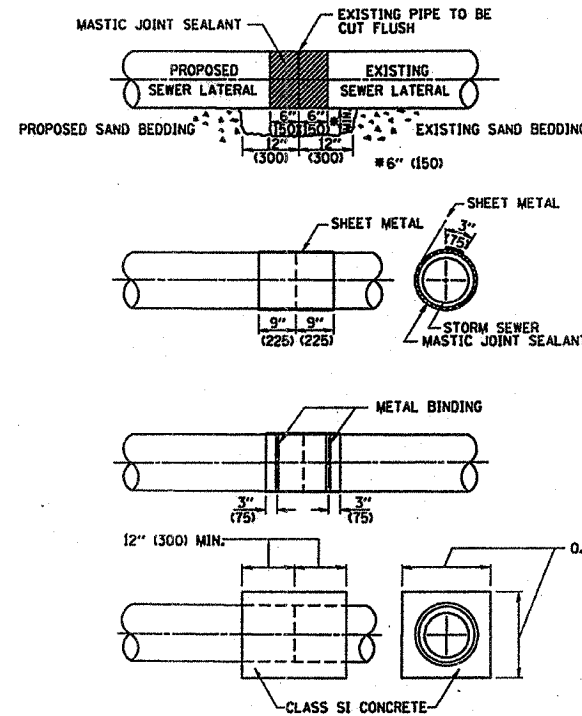
SCALE: VERT. NONE
 HORIZ.

DRAWN BY Jls
 CHECKED BY

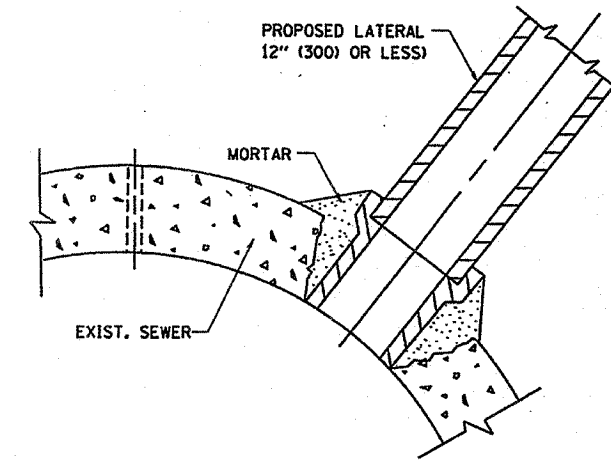
FAP DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	114 BY-R-1	WILL	139	105
STA.		TO STA.		
FED. ROAD DIST. NO.		ALP005	FAP 338 (IL RTE. 59)	



DETAIL "A"
LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER



DETAIL "B"
CLASS SI CONCRETE COLLAR



DETAIL "C"
PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

CONSTRUCTION SEQUENCE

- CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
- APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
- BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12" x 6" (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
- CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
- WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
- LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
- PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
- WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OZZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
- PLACE CLASS SI CONCRETE AROUND THE JOINT.

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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

REVISIONS	
NAME	DATE
M. DE YONG	07/25/90
M. DE YONG	02/05/92
M. DE YONG	05/08/92
R. SHAH	09/09/94
R. SHAH	10/25/94
R. SHAH	06/12/96

ILLINOIS DEPARTMENT OF TRANSPORTATION
DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER

SCALE: VERT. NONE
HORIZ.

DRAWN BY
CHECKED BY
BD500-01 (BD-7)

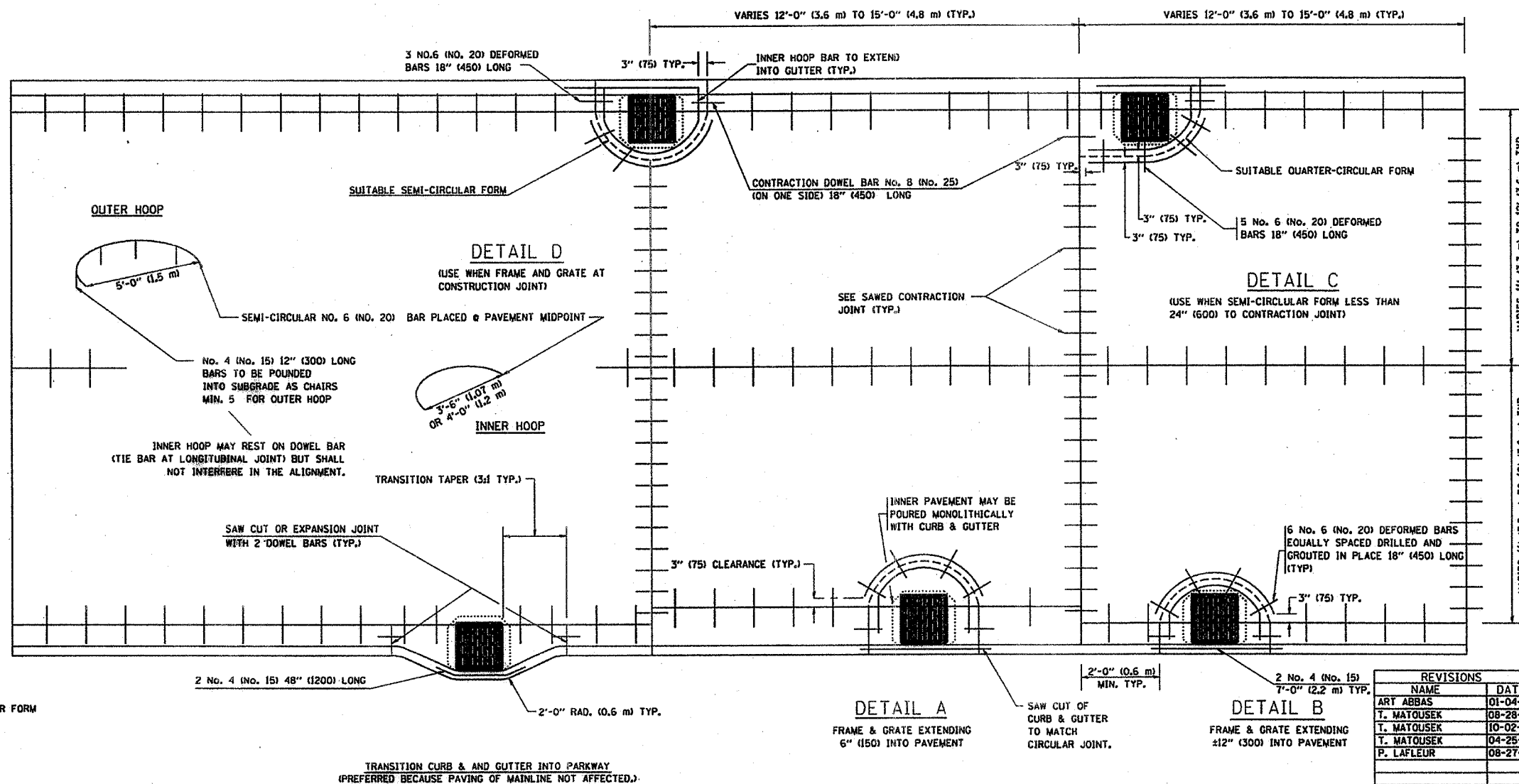
FAP DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	114 BY-R-1	WILL	139	106
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FAP 338 (IL RTE. 59)		

FRAME EXTENSION INTO PAVEMENT	INNER HOOP REINFORCEMENT DIAMETER	SEMI CIRCULAR FORM DIAMETER	OUTER HOOP REINFORCEMENT DIAMETER
UP TO 8" (200)	3'-6" (1.1 m)	4'-0" (1.2 m)	5'-0" (1.5 m)
> 8" (200) TO 14" (360)	4'-0" (1.2 m)	4'-6" (1.4 m)	5'-0" (1.5 m)

DESIGNER NOTE:
THIS DETAIL IS TO BE USED WHEN THE GUTTER FLAG IS LESS THAN 24"

NOTES:

1. THE ROUNDOUT AND ADDED REINFORCEMENT WILL NOT BE PAID SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE PAVEMENT.
2. TRANSVERSE JOINTS MAY BE MOVED TO ACCOMMODATE ROUNDOUT, EDGE OF CIRCULAR JOINT SHALL BE MINIMUM 12" (300) FROM TRANSVERSE JOINT. RELOCATED TRANSVERSE JOINT SHALL BE CONTINUOUS FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT.
3. SEMI-CIRCULAR FORM SHALL BE REMOVED PRIOR TO DRILL AND GROUT OF TIE BARS.
4. ALL REINFORCED BARS SHALL BE EPOXY COATED.
5. DRILL AND GROUT IS PREFERRED, HOWEVER TIE BARS CAN BE POURED IN PLACE IF CLEARANCE IS PROVIDED TO OUTER EDGE OF FRAME. MINIMUM 2" (50) CLEARANCE.
6. WOOD SHIMS SHALL BE USED TO ADJUST ALL FRAMES. AFTER ADJUSTING MORTAR HAS CURED, THE WOOD SHIMS SHALL BE REMOVED AND THE VOIDS UNDER THE FRAMES FILLED WITH NON SHRINK GROUT.
7. HOOP REINFORCEMENT SHALL BE ONE PIECE CONSTRUCTION.
8. CIRCULAR FRAMES AND GRATES MAY BE SUBSTITUTED.
9. CURB DOWELS MUST BE PLACED LEVEL & TRUE TO ALLOW CONTRACTION MOVEMENT.



LEGEND:
 CASTING
 - - - - - SUITABLE SEMI-CIRCULAR FORM

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED

ILLINOIS DEPARTMENT OF TRANSPORTATION
PCC PAVEMENT ROUNDOUTS AT CURB AND GUTTER

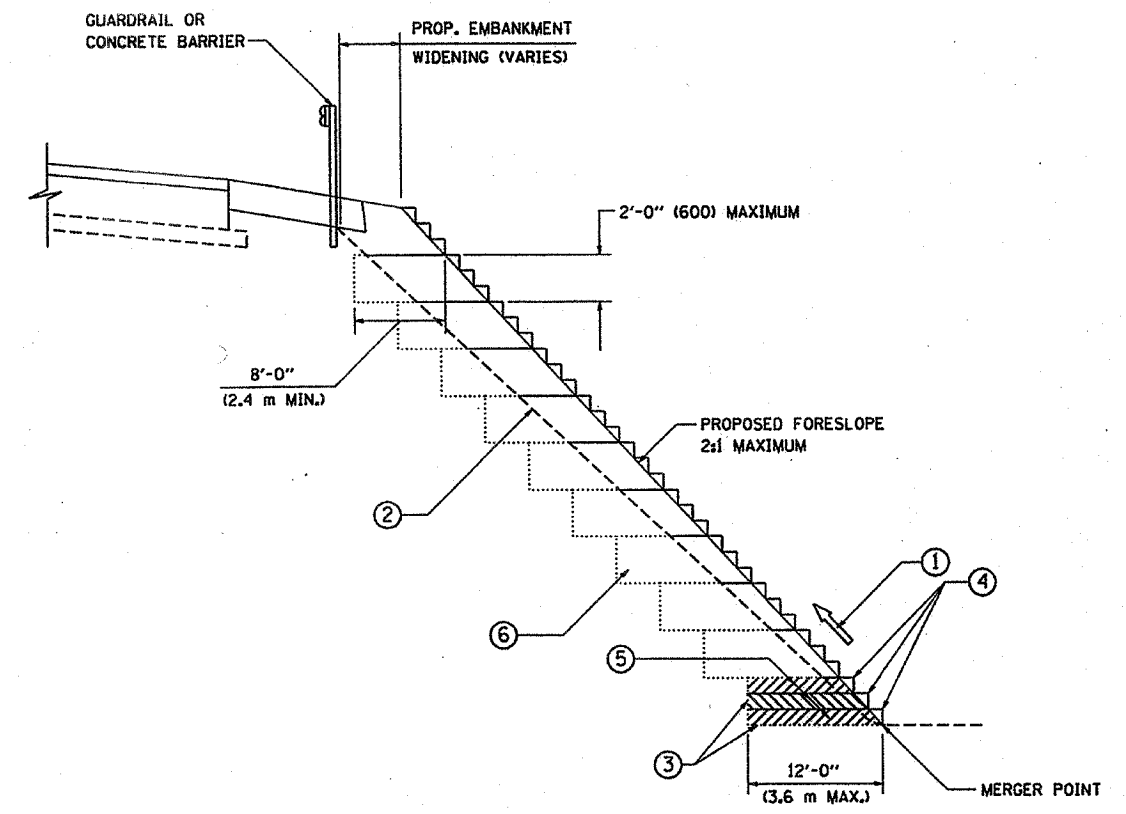
REVISIONS	
NAME	DATE
ART ABBAS	01-04-99
T. MATOUSEK	08-28-00
T. MATOUSEK	10-02-00
T. MATOUSEK	04-25-02
P. LAFLEUR	08-27-02

SCALE: VERT. NONE
 HORIZ.

DRAWN BY
 CHECKED BY

PLAT DATE = 3/6/2007
 FILE NAME = K:\projects\60c19\60c19.dwg
 PLOT SCALE = 1/8" = 1'-0"
 USER NAME = bward

ZIP CODE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	114 BY-R-1	WILL	139	107
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FAP 338 (IL RTE. 59)		



TYPICAL BENCHING DETAIL
FOR EMBANKMENT

NOTES:

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

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

REVISIONS	
NAME	DATE
	06/16/04

ILLINOIS DEPARTMENT OF TRANSPORTATION

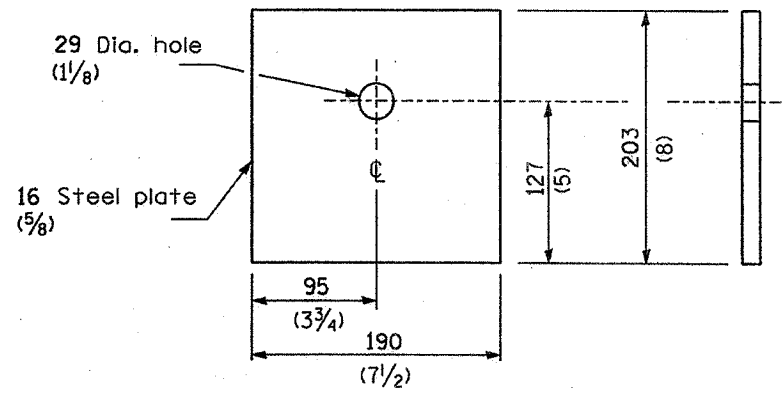
BENCHING DETAIL
FOR EMBANKMENT
WIDENING

SCALE: VERT. NONE
HORIZ.

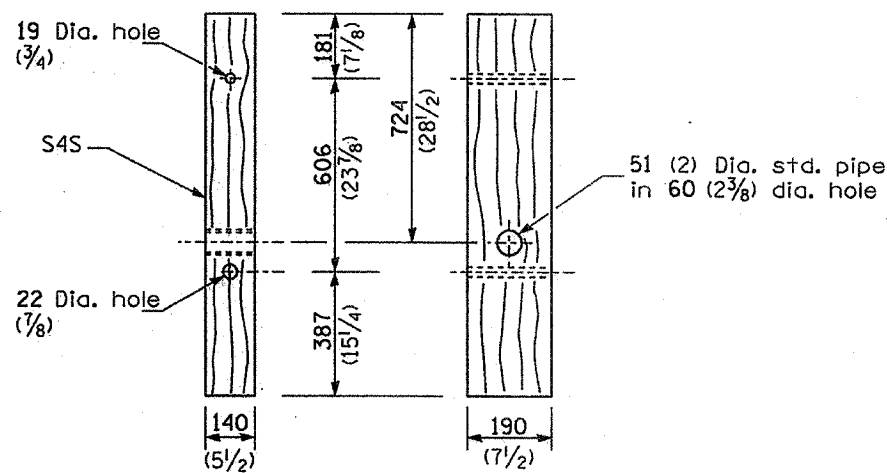
DRAWN BY: CADD
CHECKED BY: S.E.B.
BD-51

PLOT DATE: 8/15/2007
FILE NAME: E:\Projects\60C19\BD-51.dwg
PLOT SCALE: 1/8" = 1'-0"
USER NAME: bward

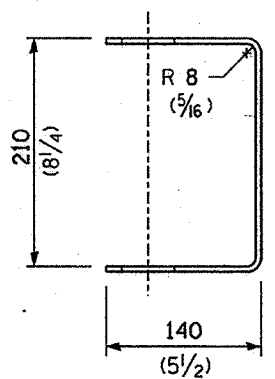
FAP NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	114 BY-R-1	WILL	139	108
STA.		TO STA.		
FID. ROAD DIST. NO.		ILLINOIS FAP 338 (IL RTE. 59)		



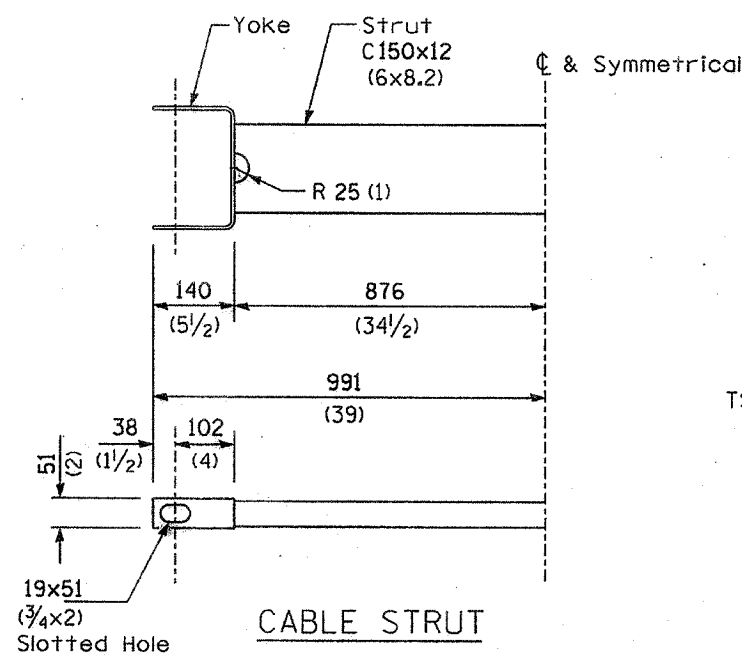
BEARING PLATE K



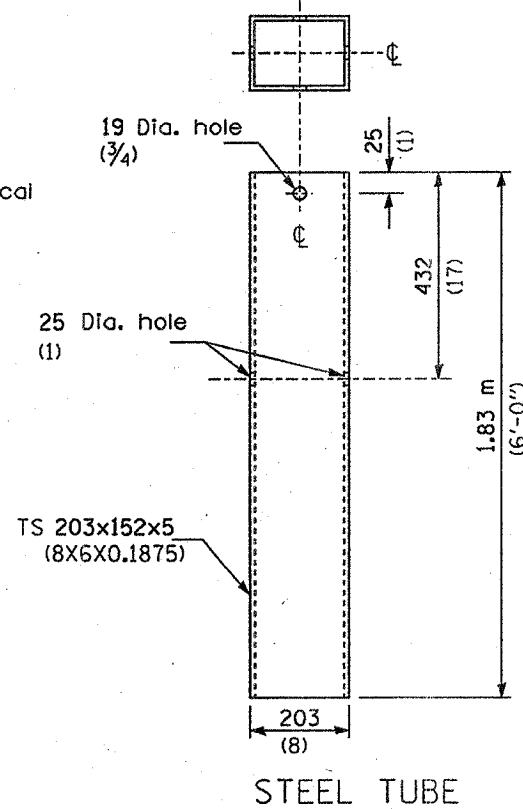
WOOD POST



YOKE
5 (3/16) thick steel



CABLE STRUT



STEEL TUBE

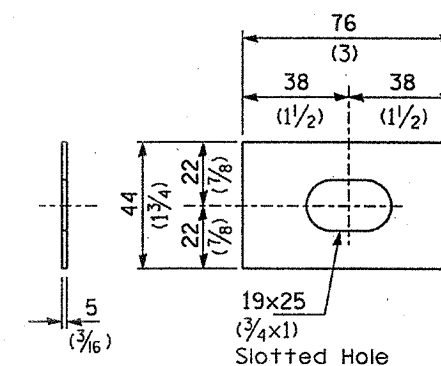
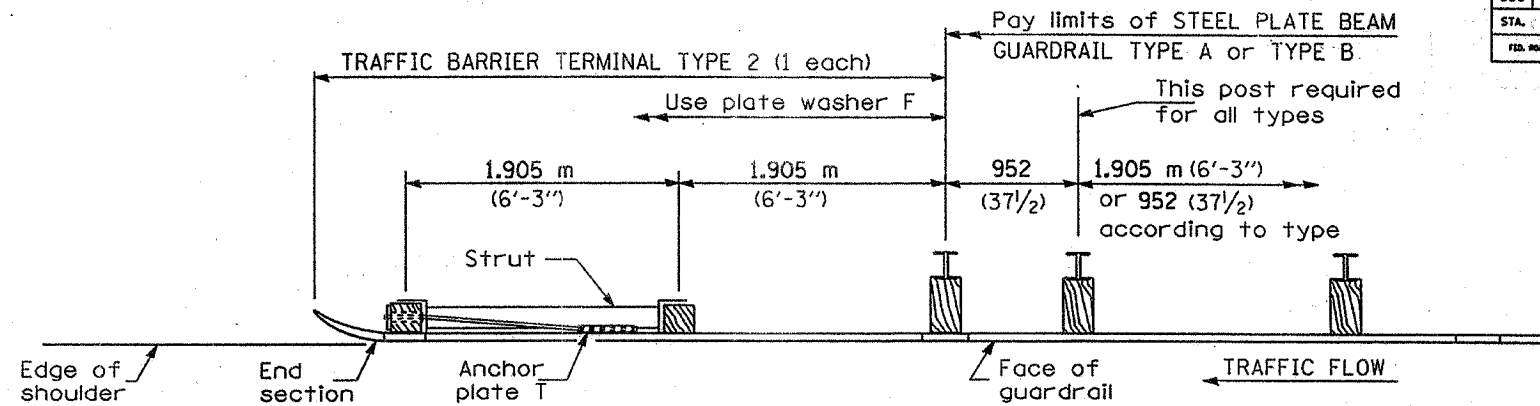
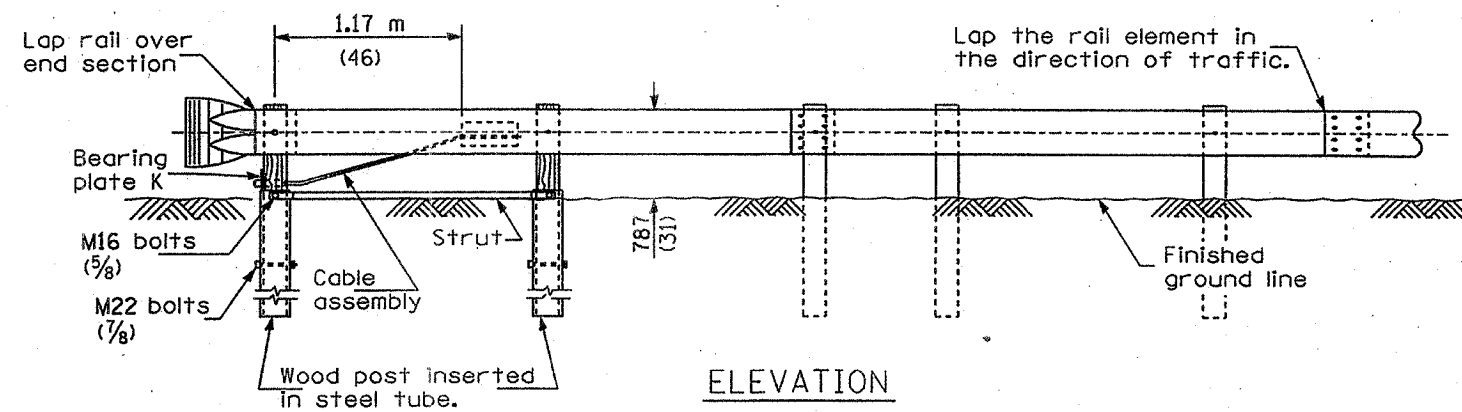


PLATE WASHER F



PLAN



ELEVATION

GENERAL NOTES

See Standard 630001 for details of guardrail not shown.

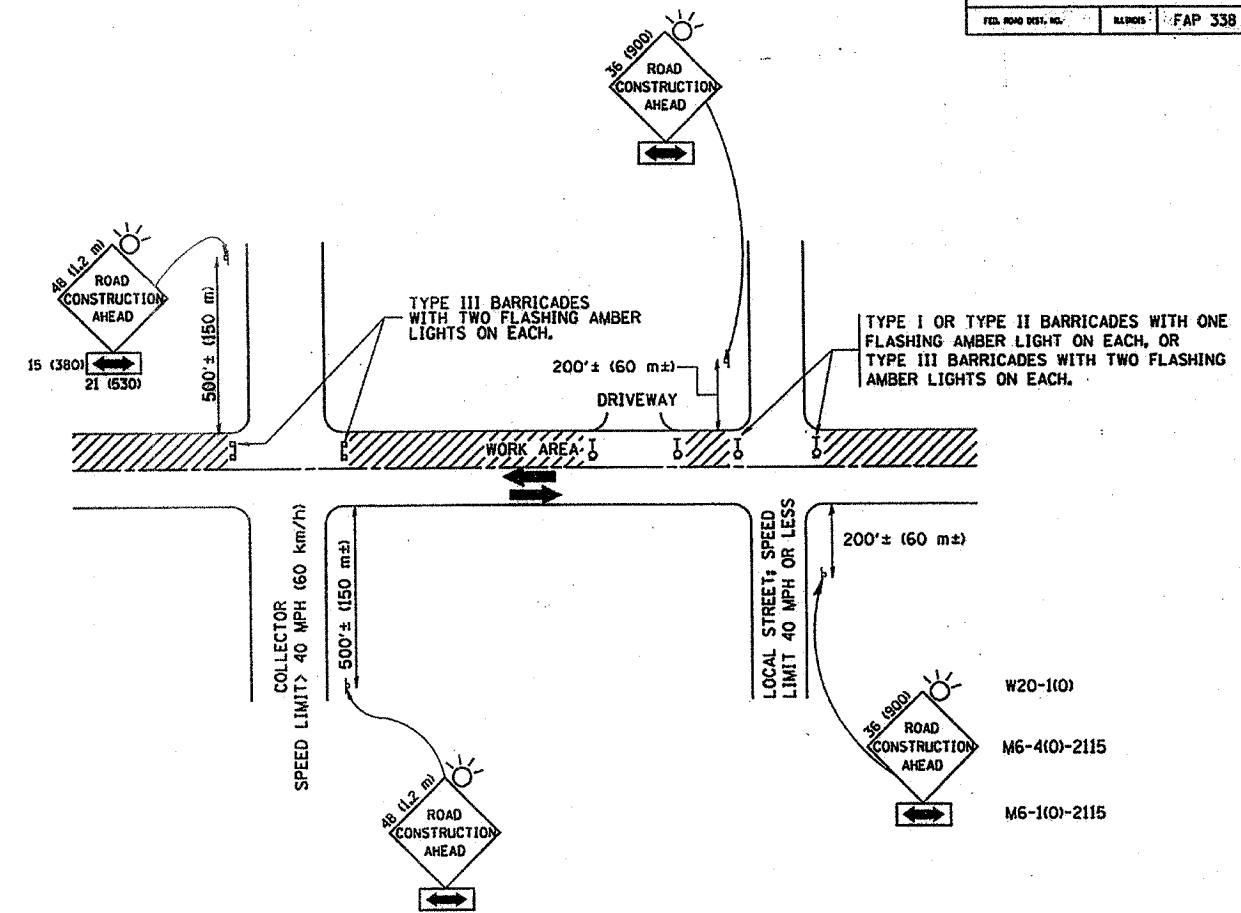
The bearing plate K shall be held in position by (2) two eight penny nails driven into the post and bent over the top of the plate.

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

TRAFFIC BARRIER
TERMINAL, TYPE 2

DETAIL

FAP NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	114 BY-R-1	WILL.	139	109
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FAP 338 (IL RTE. 59)		



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

NOTES:

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

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h), AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

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

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

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

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

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

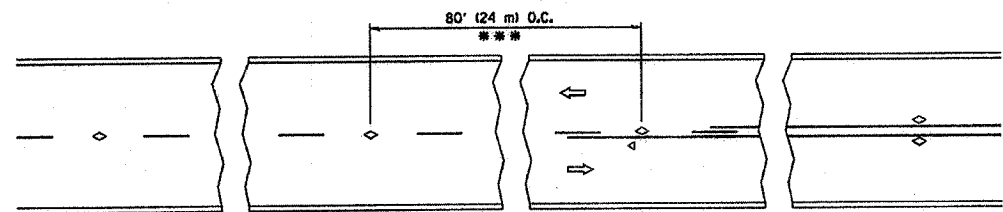
REVISIONS	
NAME	DATE
LHA	6/89
T. RAMMACHER	09/08/94
J. OBERLE	10/18/95
A. HOUSEH	03/06/96
A. HOUSEH	10/15/96
T. RAMMACHER	01/06/00

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TRAFFIC CONTROL AND PROTECTION
 FOR
 SIDE ROADS, INTERSECTIONS, AND
 DRIVEWAYS

SCALE: NONE

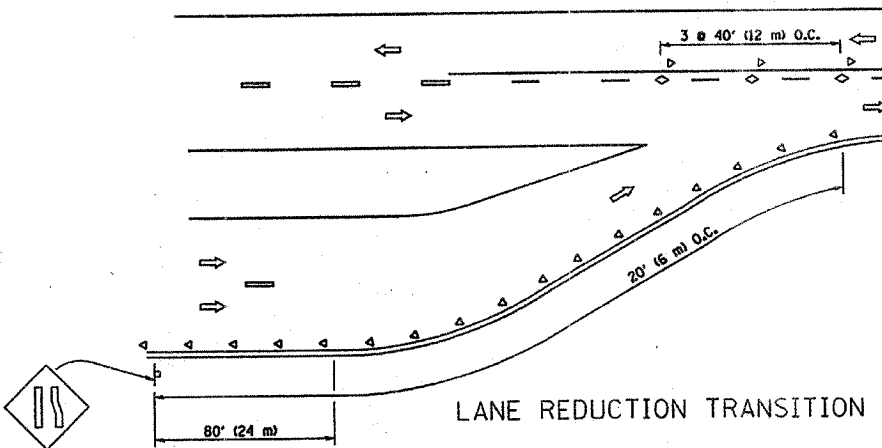
DRAWN BY
 CHECKED BY
 TC-10

FAP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	114 BY-R-1	WILL	139	110
STA.		TO STA.		
FED. ROAD DIST. NO.		SHEET NO.		
		FAP 338 (IL RTE. 59)		

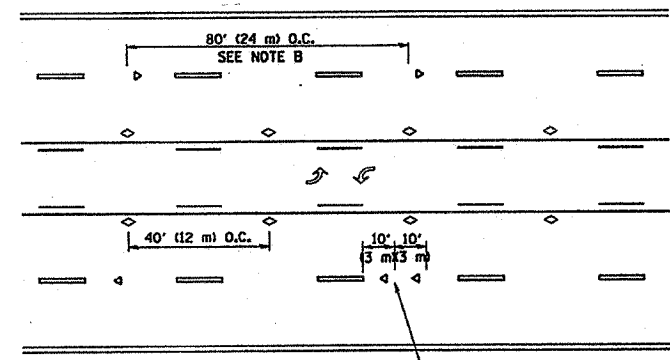


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

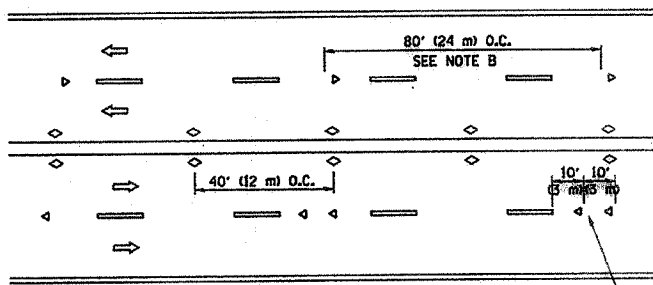
TWO-LANE/TWO-WAY



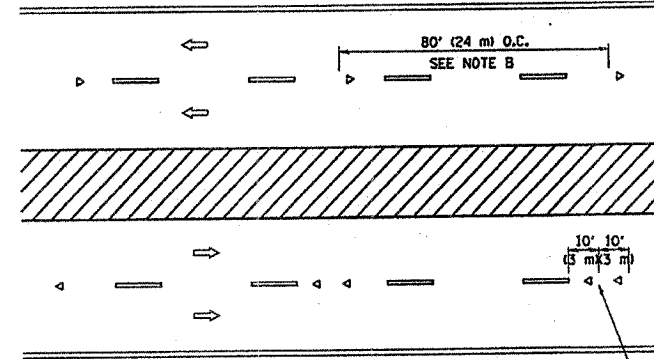
LANE REDUCTION TRANSITION



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

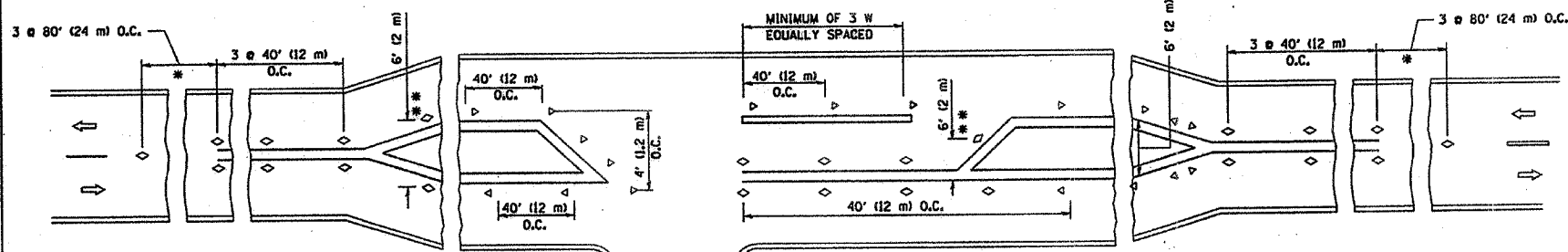
LANE MARKER NOTES

- 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.
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

DESIGN NOTES

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

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



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

LEFT TURN

REVISIONS	
NAME	DATE
T. RAMMACHER	09-19-94
T. RAMMACHER	03-12-99
T. RAMMACHER	01-08-00

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT
 MARKERS (SNOW-PLOW RESISTANT)

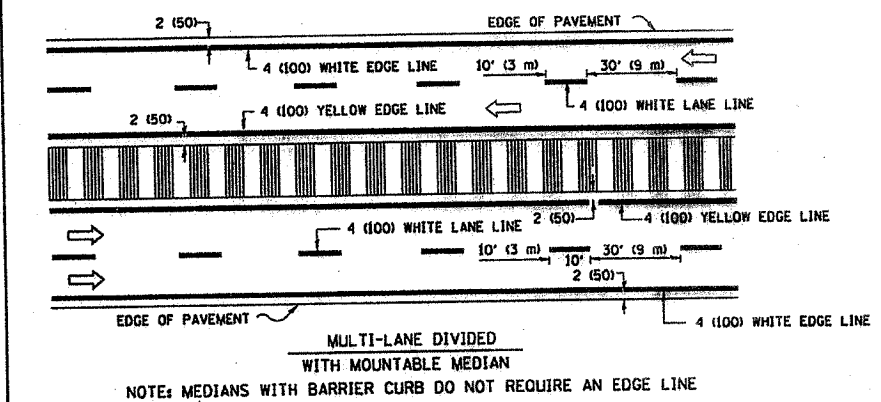
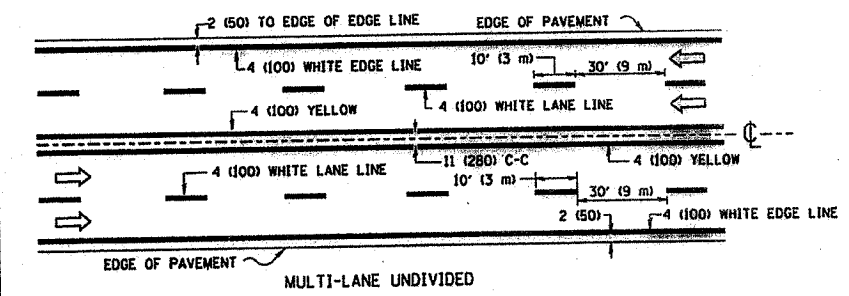
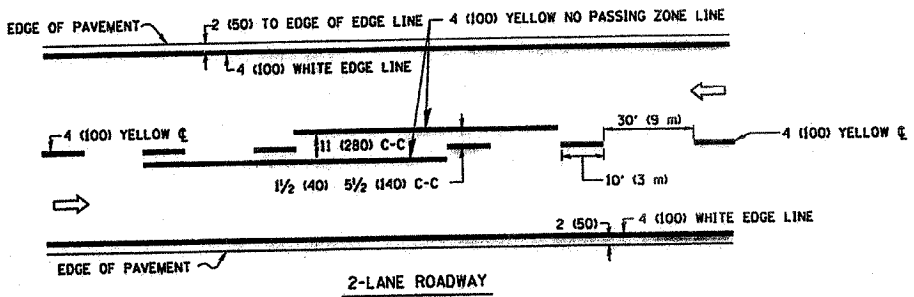
SCALE: NONE

DRAWN BY CADD
 CHECKED BY

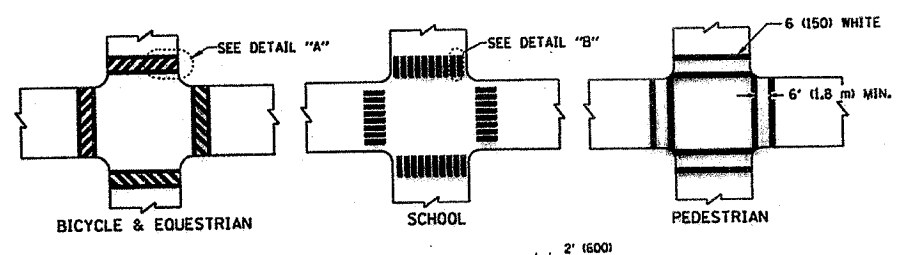
TC-11

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 USER = cadd

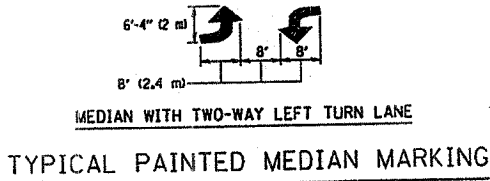
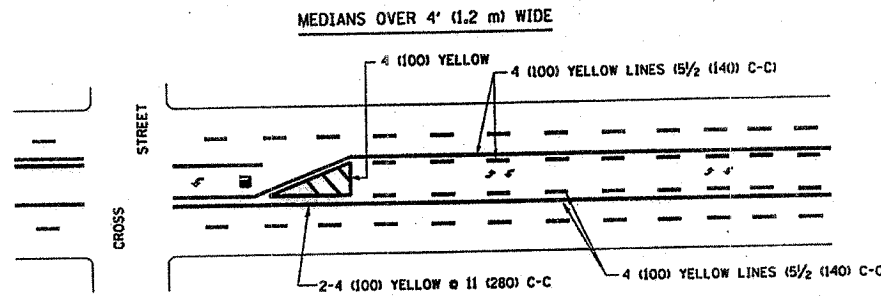
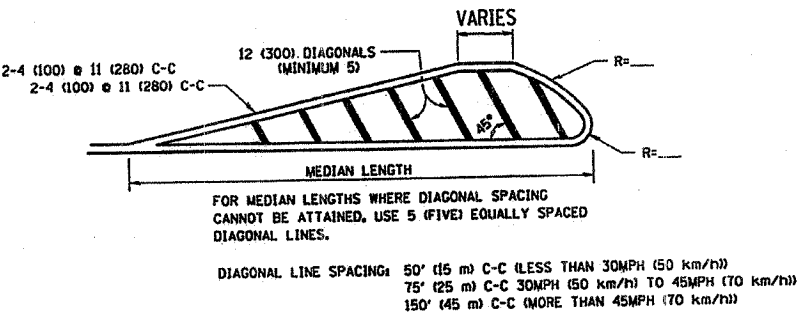
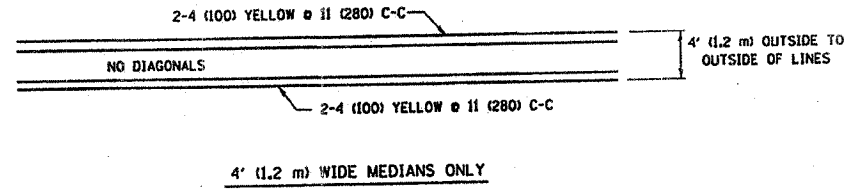
FAP NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	114 BY-R-1	WILL	139	111
STA.		TO STA.		
FED. ROAD DIST. NO.		ALTERN.	FAP 338 (IL RTE. 59)	



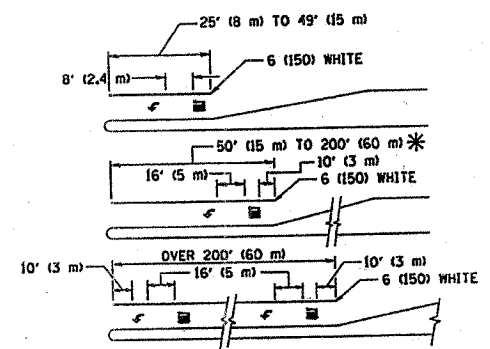
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING



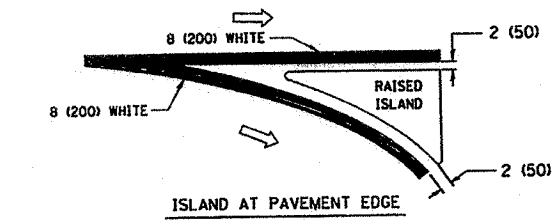
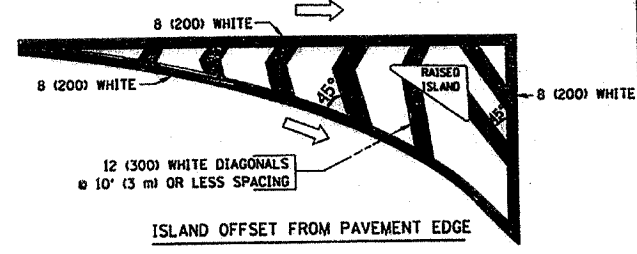
TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED.
 AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
 * TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

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

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

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

REVISIONS	
NAME	DATE
EVERS	03-19-90
T. RAMMACHER	10-27-94
ALEX HOUSEH	10-09-96
ALEX HOUSEH	10-17-96
T. RAMMACHER	01-06-00

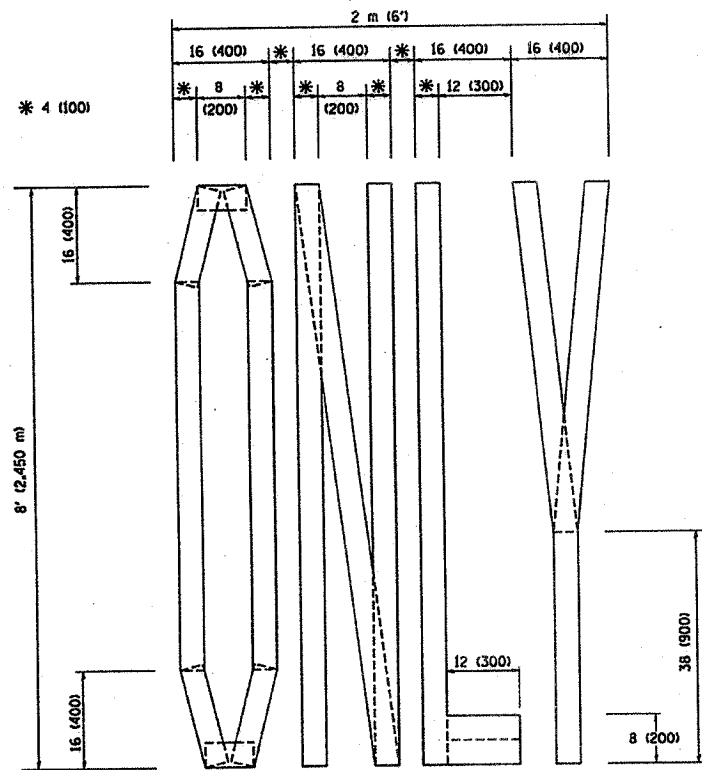
ILLINOIS DEPARTMENT OF TRANSPORTATION
 DISTRICT ONE
 TYPICAL PAVEMENT MARKINGS

SCALE: NONE

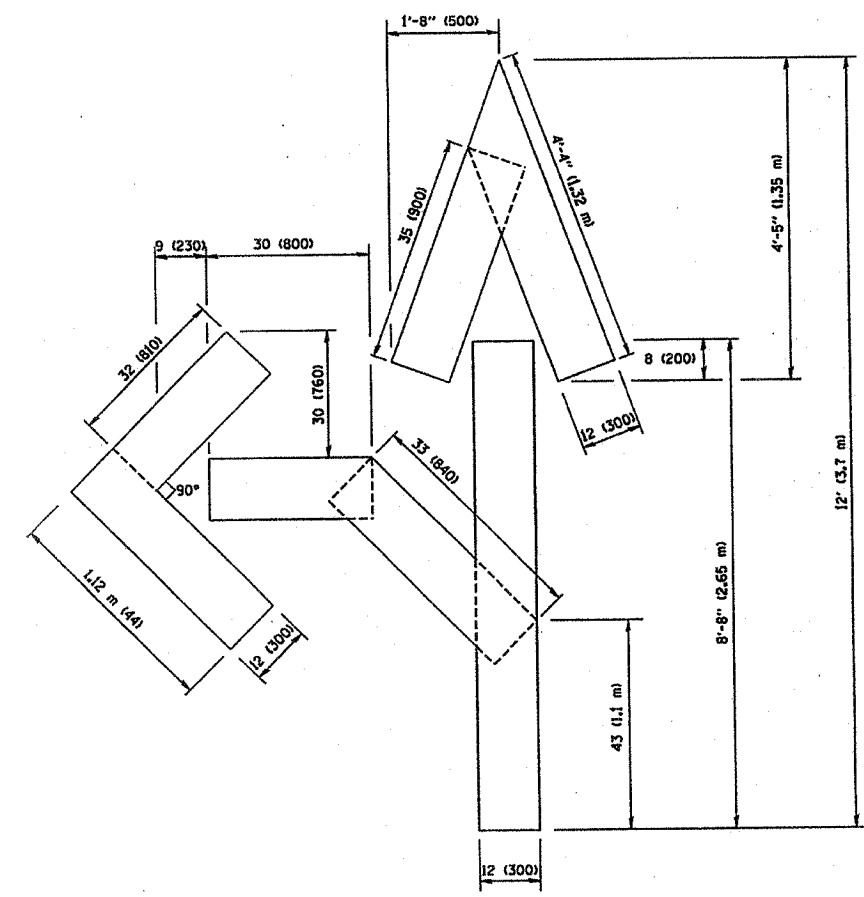
DRAWN BY CADD
 CHECKED BY
 TC-13

PLOT DATE: 3/6/2007
 FILE NAME: H:\Mississippi\114.dgn
 PLOT SCALE: 1/8"=1'-0"
 USER NAME: bbeard

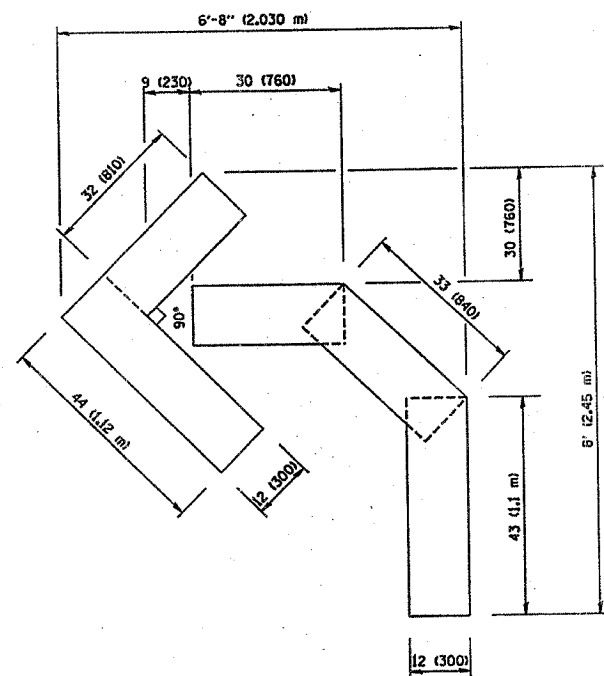
FAP NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	114 BY-R-1	WILL	139	112
STA.		TO STA.		
FED. ROAD DIST. NO.		ALDROS: FAP 338 (IL RTE. 59)		



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



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



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

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

REVISIONS	
NAME	DATE
T. RAMMACHER	09/18/94
J. OBERLE	06/01/96
T. RAMMACHER	06/05/96
T. RAMMACHER	11/04/97
T. RAMMACHER	03/02/98
E. GOMEZ	08/28/00

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PAVEMENT MARKING
 LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

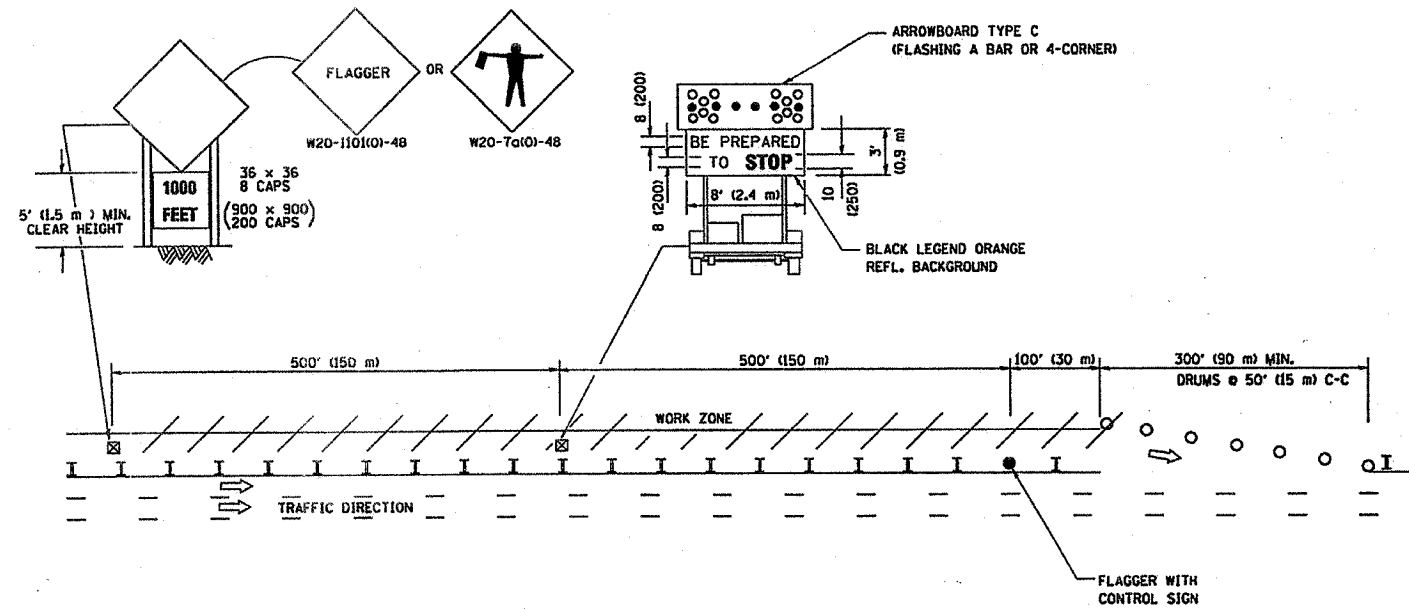
SCALE: NONE
 DRAWN BY CADD
 CHECKED BY

PLOT DATE: 3/7/2007
 FILE NAME: M:\asst\m\p\60c19\p\60c19.dgn
 PLOT SCALE: 3/8"=1'-0"
 USER NAME: bward

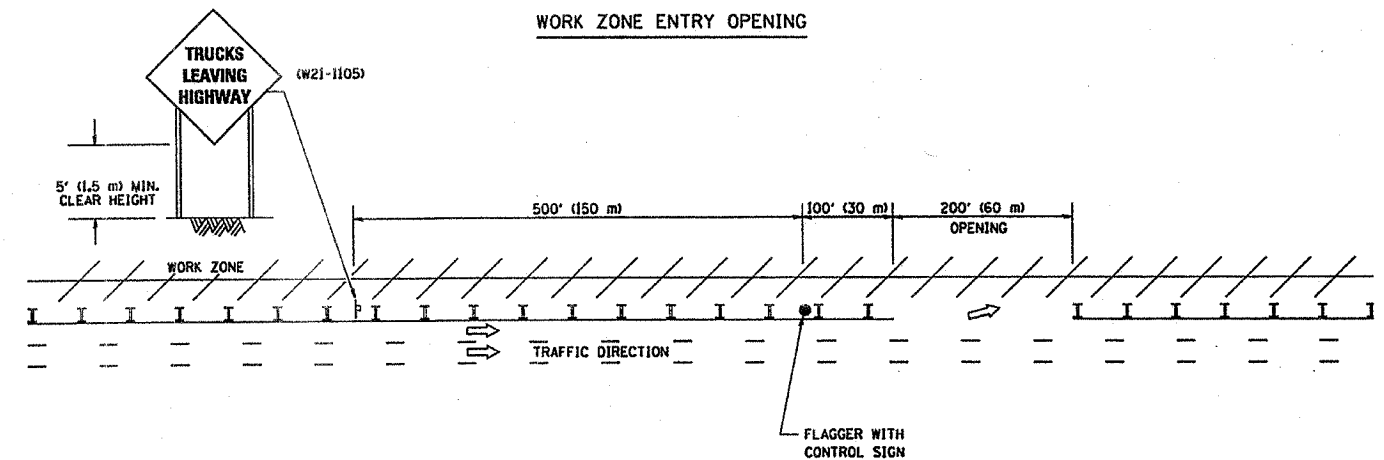
FAP NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	114 BY-R-1	WILL	139	113
STA.		TO STA.		
FED. ROAD DIST. NO.	ALINDS	FAP 338 (IL RTE. 59)		

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

WORK ZONE EXIT OPENING



WORK ZONE ENTRY OPENING



NOTES:

1. The Arrowboard, the Flagger Ahead trailer mounted sign, and the Trucks Leaving Highway sign shall be removed or turned away from traffic and the exit and entry openings shall be closed when the flagging operation ceases.
2. Work Zone Exit Openings should be a minimum of one half mile apart.
3. Exiting the work zone at any place other than at a Work Zone Exit Opening will be prohibited.
4. All vehicles shall enter the work zone at entry openings, using their turn signals to warn motorists

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

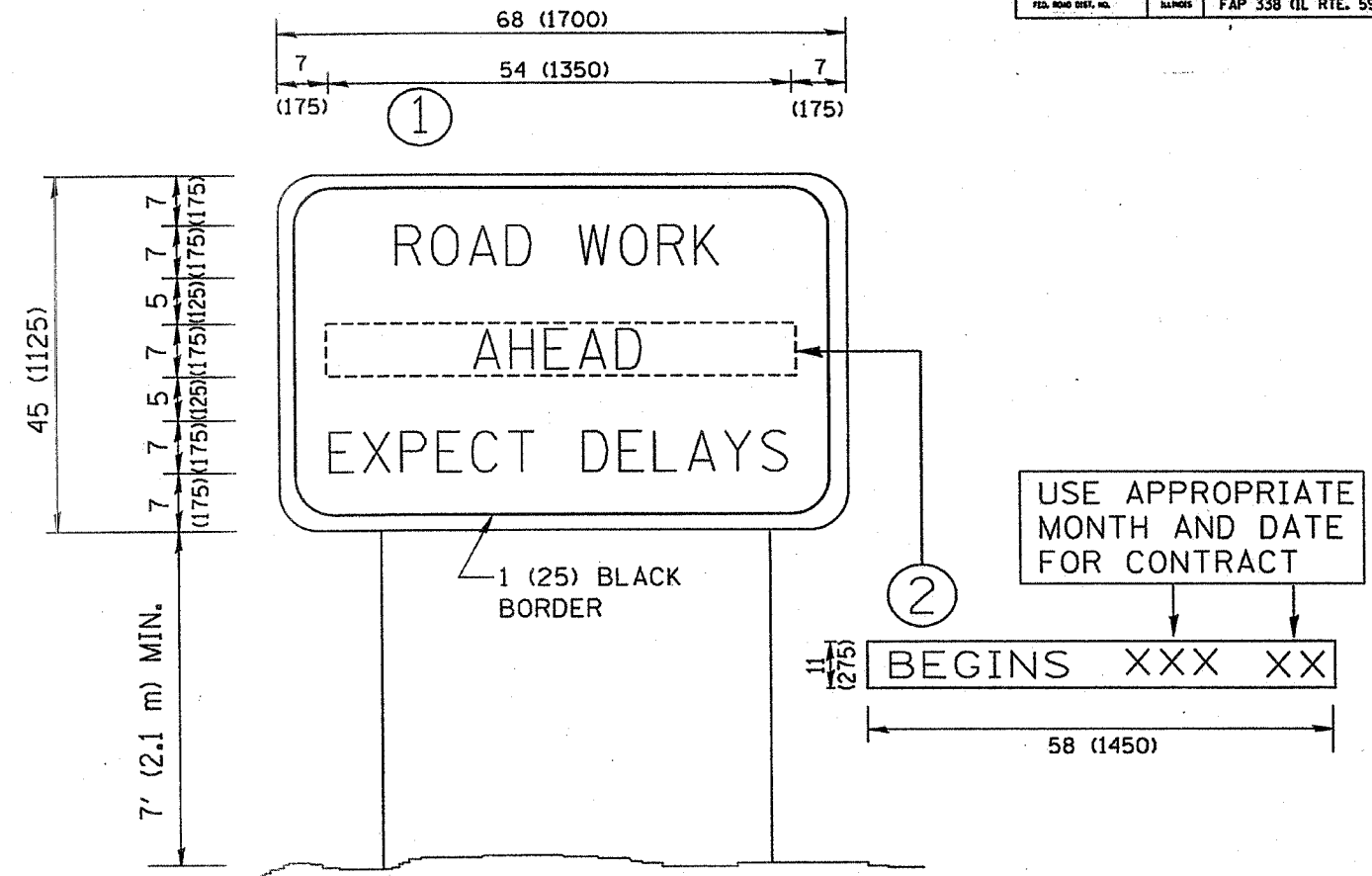
REVISIONS	
NAME	DATE
DWS	8/98
JAF	4/03
JAF	2/06
SPB	1/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
SIGNING FOR FLAGGING OPERATIONS
AT WORK ZONE OPENINGS

SCALE: NONE

DRAWN BY CADD
CHECKED BY
TC-18

FAP NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	114 BY-R-1	WILL	139	114
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FAP 338 (IL RTE. 59)	



NOTES:

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

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

REVISIONS	
NAME	DATE
R. MIRS	9-15-97
R. MIRS	12-11-97
T. RAMMACHER	2-2-99
C. JUCIUS	1-31-07

ILLINOIS DEPARTMENT OF TRANSPORTATION

ARTERIAL ROAD
INFORMATION SIGN

SCALE: NONE

DRAWN BY DESIGN

CHECKED BY

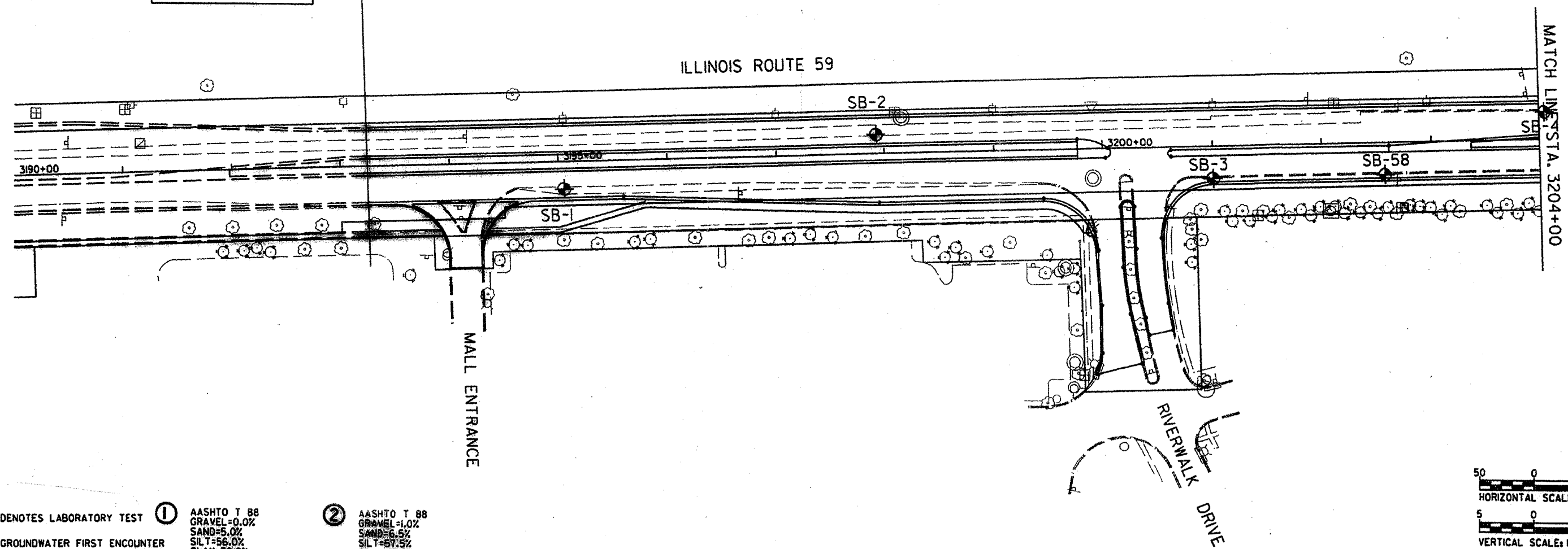
TC22

338	114 BY-R-1	WILL	139	115
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FAP 338 (IL RTE. 59)		

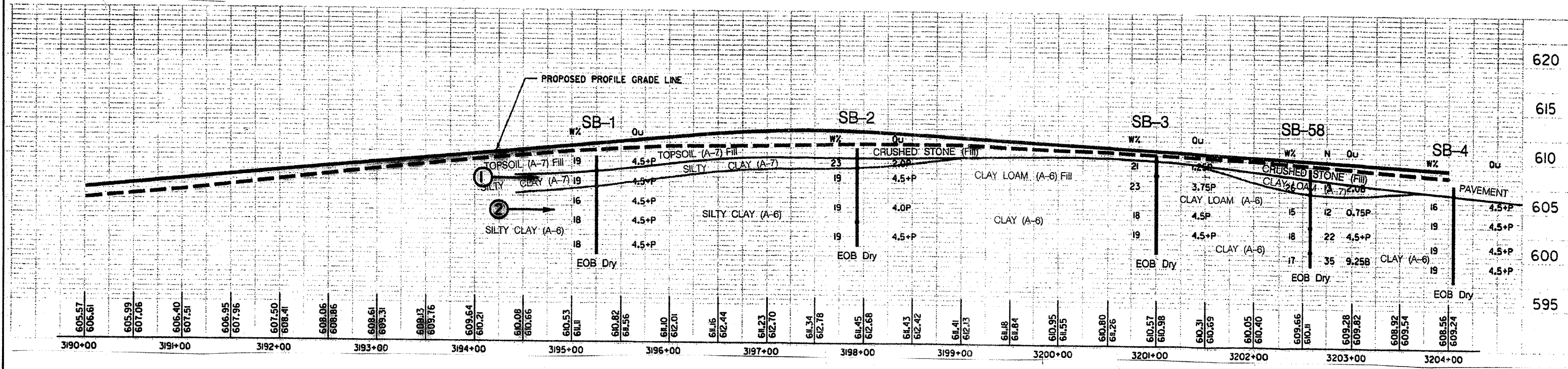
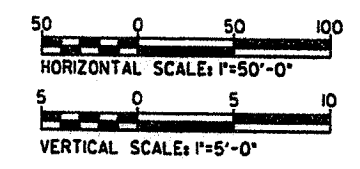


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STA. 3193+25

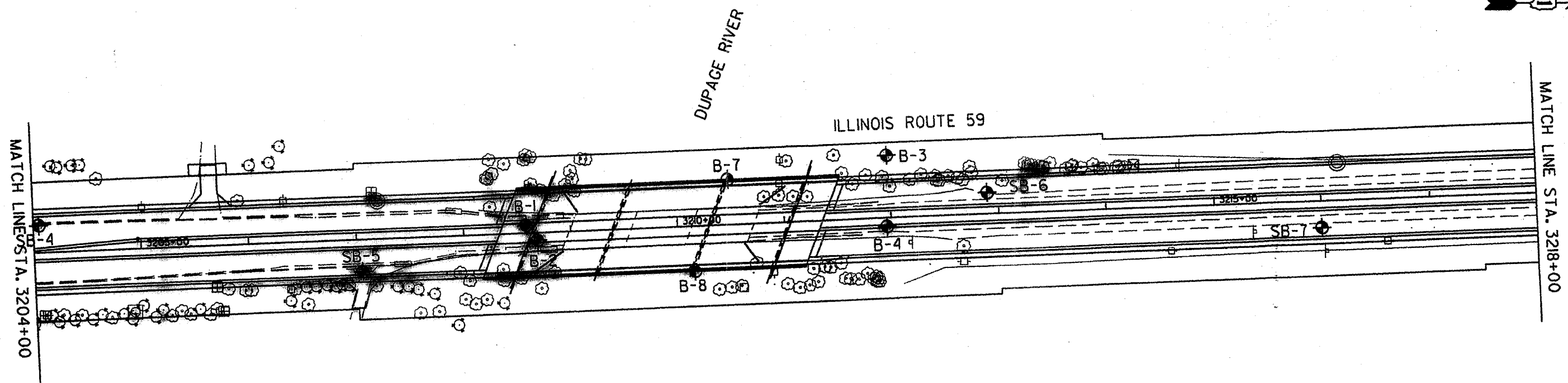
ILLINOIS ROUTE 59



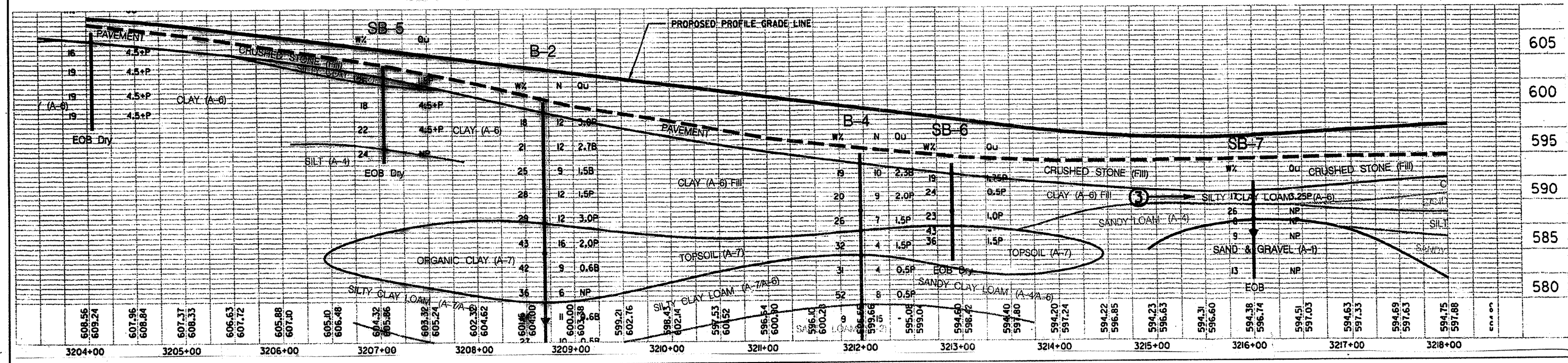
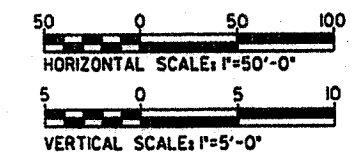
- DENOTES LABORATORY TEST
 - ▼ GROUNDWATER FIRST ENCOUNTER
 - ▽ GROUNDWATER UPON COMPLETION
- | | | | |
|---|---|---|---|
| ① | AASHTO T 88
GRAVEL=0.0%
SAND=5.0%
SILT=56.0%
CLAY=39.0% | ② | AASHTO T 88
GRAVEL=1.0%
SAND=6.5%
SILT=57.5%
CLAY=35.0% |
| | AASHTO T 89 & T 90
LIQUID LIMIT=47
PLASTICITY INDEX=26 | | AASHTO T 89 & T 90
LIQUID LIMIT=47
PLASTICITY INDEX=14 |



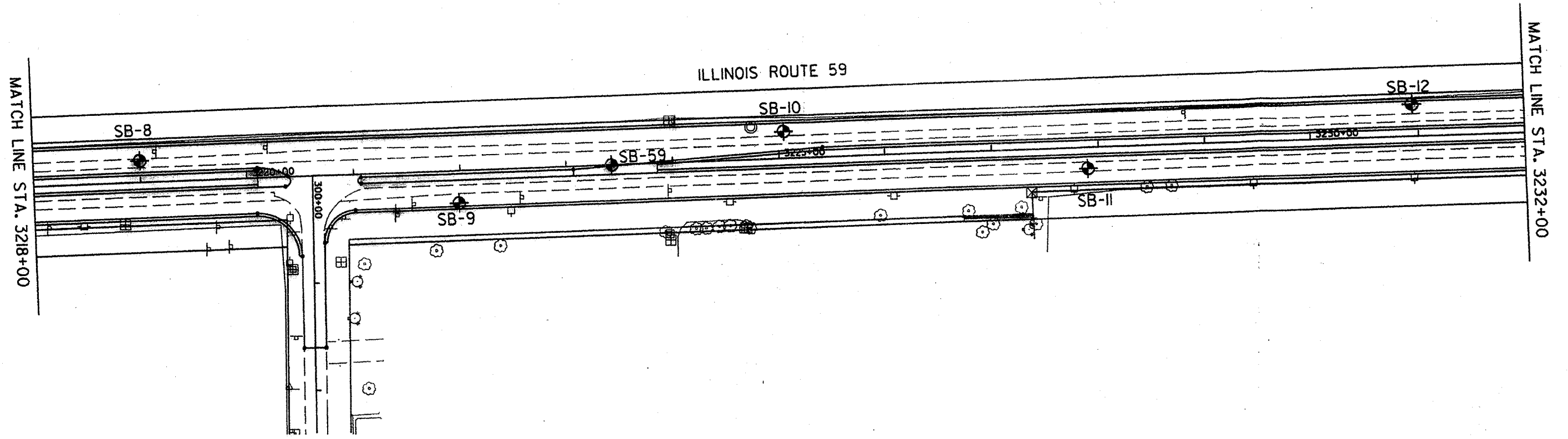
338	114 BY-R-1	WILL	139	116
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FAP 338 (IL RTE. 59)		



- ⊙ DENOTES LABORATORY TEST
 - ▼ GROUNDWATER FIRST ENCOUNTER
 - ▽ GROUNDWATER UPON COMPLETION
- ③ AASHTO T 88
 GRAVEL=0.0%
 SAND=24.5%
 SILT=61.0%
 CLAY=24.5%
 AASHTO T 89 & T 90
 LIQUID LIMIT=27
 PLASTICITY INDEX=11



338	114 BY-R-1	WILL	138	117
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS		
		FAP 338 (IL RTE. 59)		

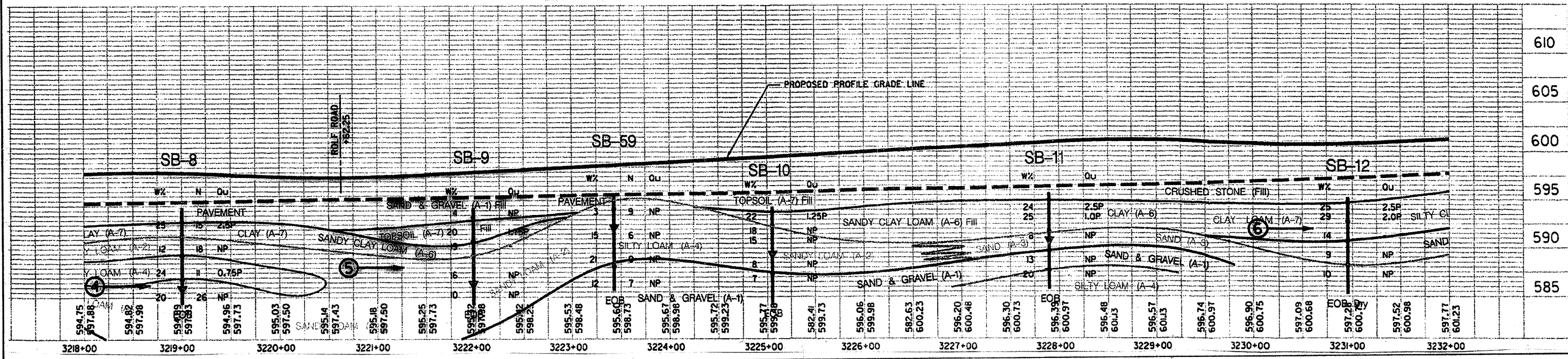
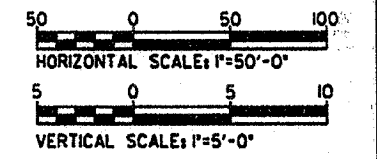


- DENOTES LABORATORY TEST
- ▼ GROUNDWATER FIRST ENCOUNTER
- ▽ GROUNDWATER UPON COMPLETION

- ④ AASHTO T 194
ORGANIC CONTENT=4.2%
- ⑤ AASHTO T 88
GRAVEL=6.5%
SAND=46.5%
SILT=24.0%
CLAY=23.0%

AASHTO T 89 & T 90
LIQUID LIMIT=33
PLASTICITY INDEX=16
- ⑥ AASHTO T 88
GRAVEL=0.0%
SAND=8.5%
SILT=51.5%
CLAY=40.0%

AASHTO T 89 & T 90
LIQUID LIMIT=51
PLASTICITY INDEX=34

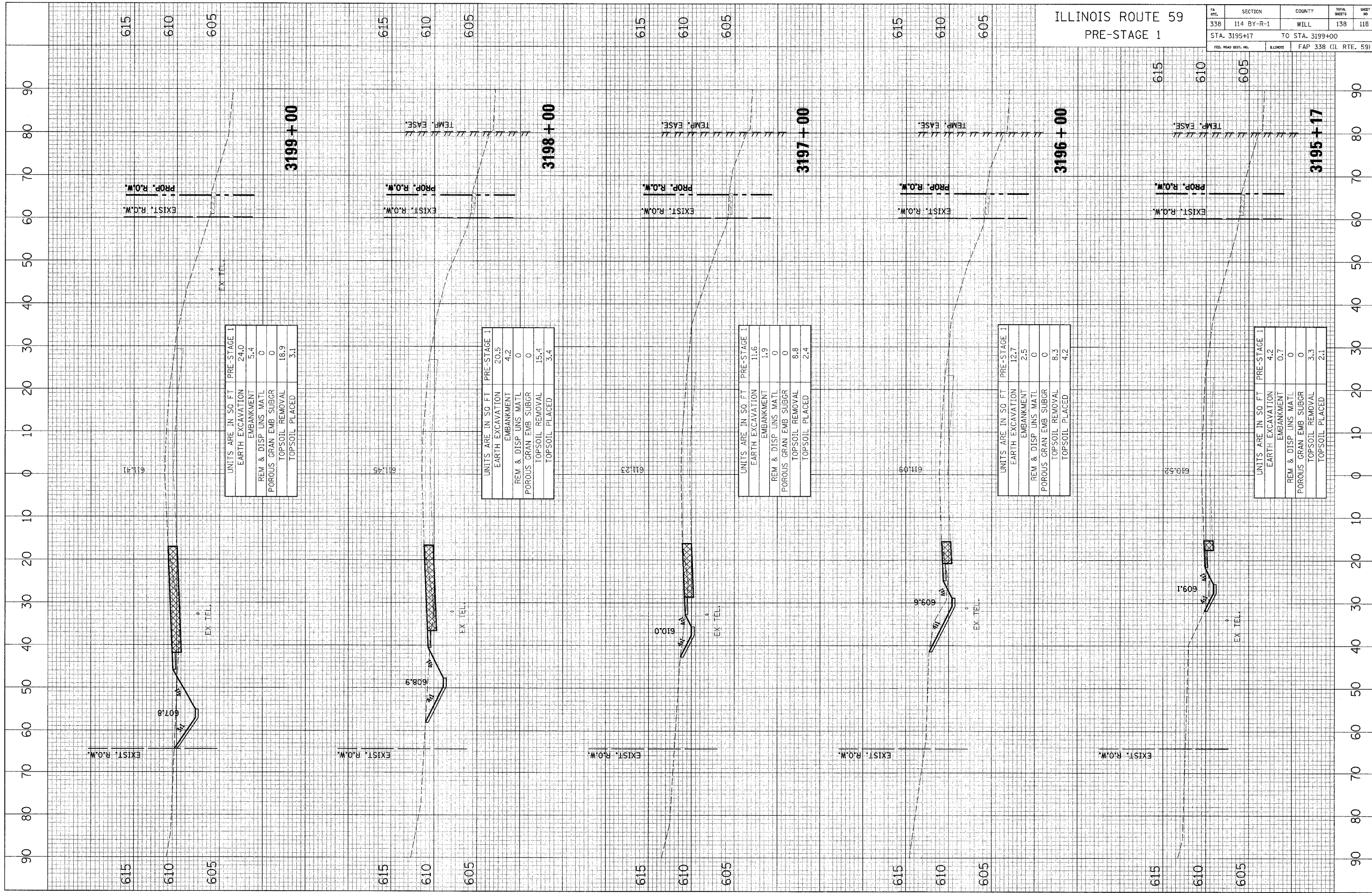


CROSS SECTION SURVEYED BY DATE
 SECTION ALIGNED CHECKED
 NOTE BOOK NO. OF WAY CHECKED
 NO. PLOTTED FILE NAME

CROSS SECTION SURVEYED BY DATE
 SECTION ALIGNED CHECKED
 NOTE BOOK NO. OF WAY CHECKED
 NO. PLOTTED FILE NAME

ILLINOIS ROUTE 59
 PRE-STAGE 1

24 SHEET	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	114 BY-R-1	WILL	138	118
STA. 3195+17		TO STA. 3199+00		
FED. ROAD DIST. NO.		BLINDS	FAP 338 (IL RTE. 59)	



UNITS ARE IN SQ FT PRE-STAGE 1

EARTH EXCAVATION	24.0
EMBANKMENT	5.4
REM & DISP UNS MATL	0
POROUS GRAN EMB SUBGR	0
TOPSOIL REMOVAL	18.9
TOPSOIL PLACED	3.1

UNITS ARE IN SQ FT PRE-STAGE 1

EARTH EXCAVATION	20.5
EMBANKMENT	4.2
REM & DISP UNS MATL	0
POROUS GRAN EMB SUBGR	0
TOPSOIL REMOVAL	15.4
TOPSOIL PLACED	3.4

UNITS ARE IN SQ FT PRE-STAGE 1

EARTH EXCAVATION	11.6
EMBANKMENT	1.9
REM & DISP UNS MATL	0
POROUS GRAN EMB SUBGR	0
TOPSOIL REMOVAL	8.8
TOPSOIL PLACED	2.4

UNITS ARE IN SQ FT PRE-STAGE 1

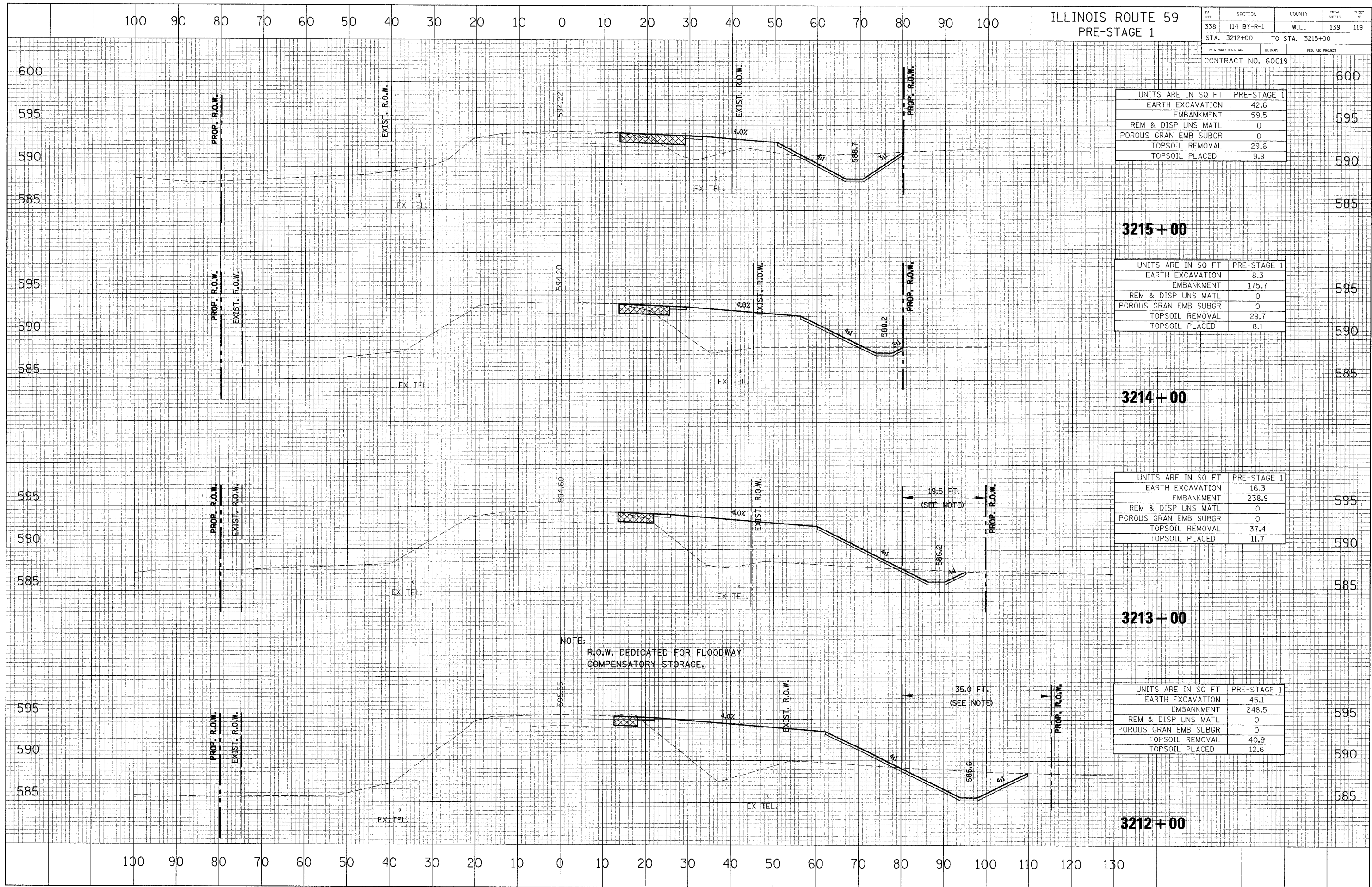
EARTH EXCAVATION	12.7
EMBANKMENT	2.5
REM & DISP UNS MATL	0
POROUS GRAN EMB SUBGR	0
TOPSOIL REMOVAL	8.3
TOPSOIL PLACED	4.2

UNITS ARE IN SQ FT PRE-STAGE 1

EARTH EXCAVATION	4.2
EMBANKMENT	0.7
REM & DISP UNS MATL	0
POROUS GRAN EMB SUBGR	0
TOPSOIL REMOVAL	3.3
TOPSOIL PLACED	2.1

CROSS SECTION SURVEYED BY DATE
 SECTION PLOTTED BY DATE
 NOTE BOOK NO. CHECKED BY DATE
 NO. PAID FILE NAME

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 SECTION PLOTTED BY DATE
 NOTE BOOK NO. CHECKED BY DATE
 NO. STRUCTURE NOTATION GRID



ILLINOIS ROUTE 59
 PRE-STAGE 1

FA #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	114 BY-R-1	WILL.	139	119
STA. 3212+00		TO STA. 3215+00		
FED. ROAD DIST. NO.		BLK/MS	FED. AID PROJECT	
CONTRACT NO. 60C19				

UNITS ARE IN SQ FT	PRE-STAGE 1
EARTH EXCAVATION	42.6
EMBANKMENT	59.5
REM & DISP UNS MATL	0
POROUS GRAN EMB SUBGR	0
TOPSOIL REMOVAL	29.6
TOPSOIL PLACED	9.9

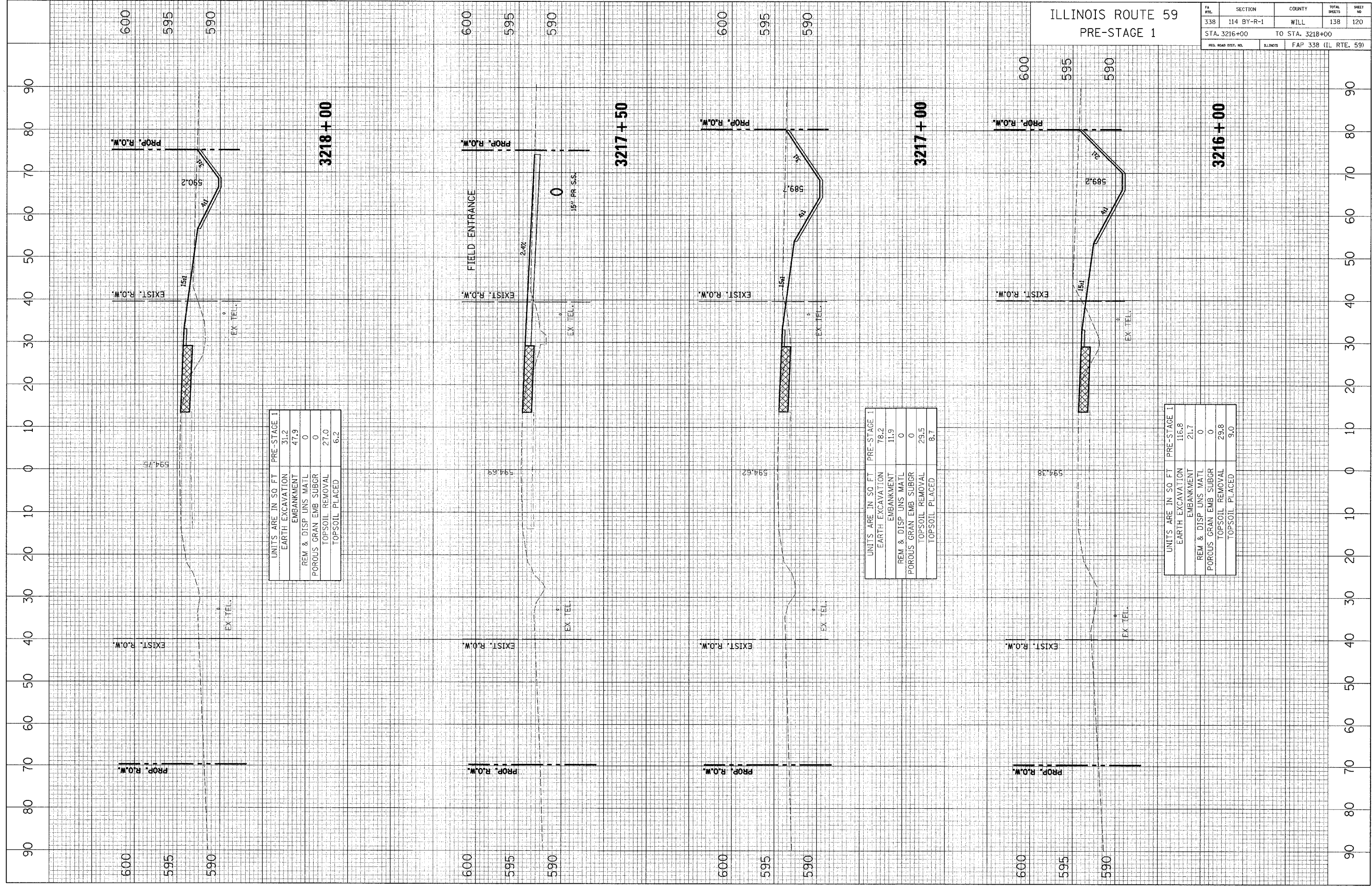
UNITS ARE IN SQ FT	PRE-STAGE 1
EARTH EXCAVATION	8.3
EMBANKMENT	175.7
REM & DISP UNS MATL	0
POROUS GRAN EMB SUBGR	0
TOPSOIL REMOVAL	29.7
TOPSOIL PLACED	8.1

UNITS ARE IN SQ FT	PRE-STAGE 1
EARTH EXCAVATION	16.3
EMBANKMENT	238.9
REM & DISP UNS MATL	0
POROUS GRAN EMB SUBGR	0
TOPSOIL REMOVAL	37.4
TOPSOIL PLACED	11.7

UNITS ARE IN SQ FT	PRE-STAGE 1
EARTH EXCAVATION	45.1
EMBANKMENT	248.5
REM & DISP UNS MATL	0
POROUS GRAN EMB SUBGR	0
TOPSOIL REMOVAL	40.9
TOPSOIL PLACED	12.6

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 SECTION PLOTTED BY DATE
 NOTE BOOK NO. _____
 STRUCTURE NOTATION'S CRK/ NO. _____
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CROSS SECTION SURVEYED BY DATE
 SECTION PLOTTED BY DATE
 NOTE BOOK NO. _____
 STRUCTURE NOTATION'S CRK/ NO. _____
 CHECKED BY DATE
 FILE NAME



3218 + 00

UNITS ARE IN SQ FT PRE-STAGE 1	
EARTH EXCAVATION	31.2
EMBANKMENT	47.9
REM & DISP UNS MATL	0
POROUS GRAN EMB SUBGR	0
TOPSOIL REMOVAL	27.0
TOPSOIL PLACED	6.2

3217 + 50

FIELD ENTRANCE

UNITS ARE IN SQ FT PRE-STAGE 1	
EARTH EXCAVATION	78.2
EMBANKMENT	11.9
REM & DISP UNS MATL	0
POROUS GRAN EMB SUBGR	0
TOPSOIL REMOVAL	29.5
TOPSOIL PLACED	8.7

3217 + 00

UNITS ARE IN SQ FT PRE-STAGE 1	
EARTH EXCAVATION	116.8
EMBANKMENT	21.7
REM & DISP UNS MATL	0
POROUS GRAN EMB SUBGR	0
TOPSOIL REMOVAL	29.8
TOPSOIL PLACED	9.0

3216 + 00

UNITS ARE IN SQ FT PRE-STAGE 1	
EARTH EXCAVATION	116.8
EMBANKMENT	21.7
REM & DISP UNS MATL	0
POROUS GRAN EMB SUBGR	0
TOPSOIL REMOVAL	29.8
TOPSOIL PLACED	9.0

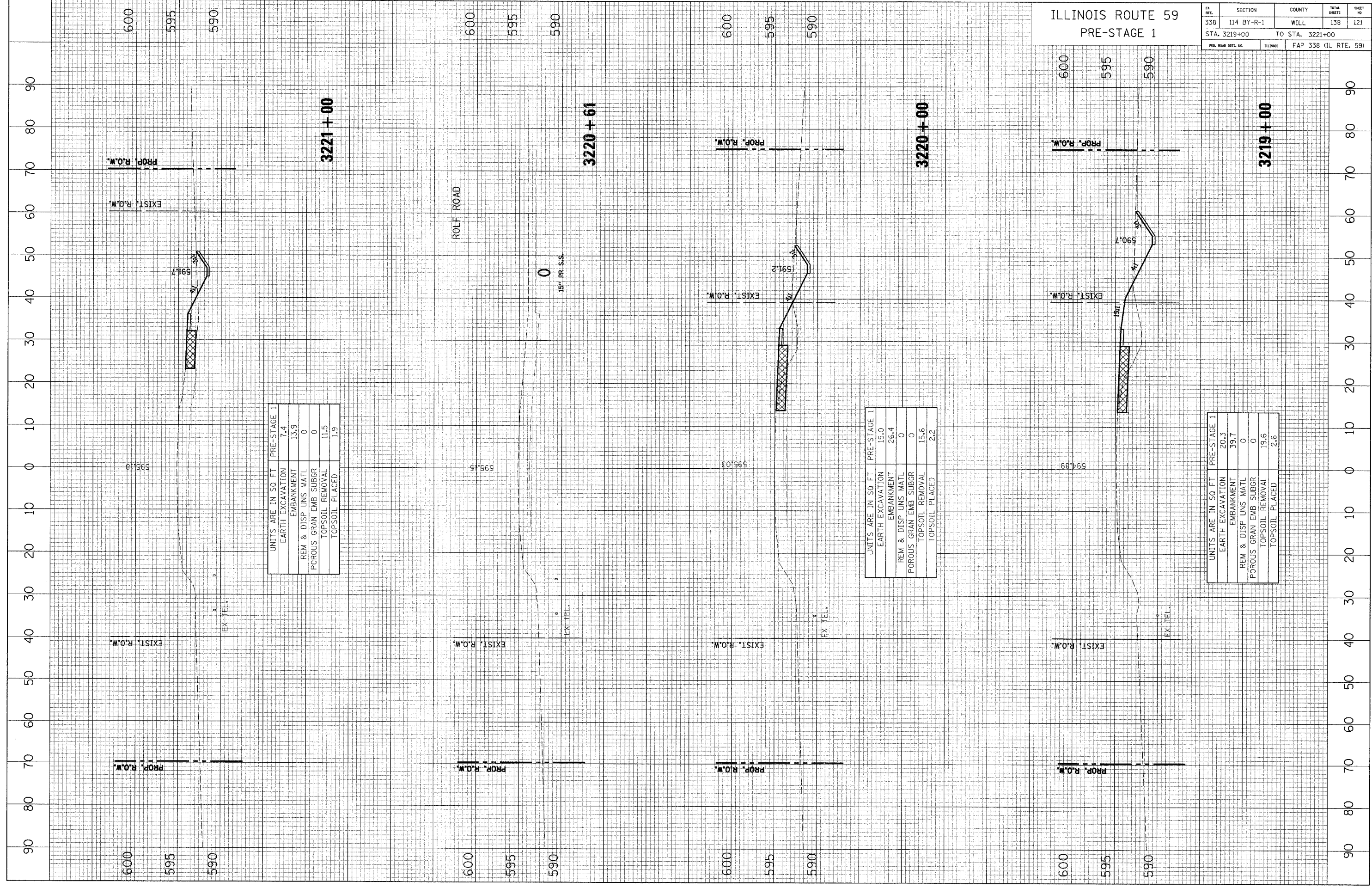
ILLINOIS ROUTE 59
 PRE-STAGE 1

FA RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	114 BY-R-1	WILL	138	120

STA. 3216+00 TO STA. 3218+00
 ILLINOIS FAP 338 (IL RTE. 59)

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CROSS SECTION
 SURVEYED PLOTTED CHECKED
 SECTION NOTE BOOK NO. DATE
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UNITS ARE IN SQ FT PRE-STAGE 1	
EARTH EXCAVATION	7.4
EMBANKMENT	13.9
REM & DISP UNS MATL	0
POROUS GRAN EMB SUBGR	0
TOPSOIL REMOVAL	11.5
TOPSOIL PLACED	1.9

UNITS ARE IN SQ FT PRE-STAGE 1	
EARTH EXCAVATION	15.0
EMBANKMENT	26.4
REM & DISP UNS MATL	0
POROUS GRAN EMB SUBGR	0
TOPSOIL REMOVAL	15.6
TOPSOIL PLACED	2.2

UNITS ARE IN SQ FT PRE-STAGE 1	
EARTH EXCAVATION	20.3
EMBANKMENT	39.7
REM & DISP UNS MATL	0
POROUS GRAN EMB SUBGR	0
TOPSOIL REMOVAL	19.6
TOPSOIL PLACED	2.6

ILLINOIS ROUTE 59		PRE-STAGE 1	
STA. 3219+00	TO STA. 3221+00		
FED. ROAD DIST. NO.	ILLINOIS	FAP 338 (IL. RTE. 59)	

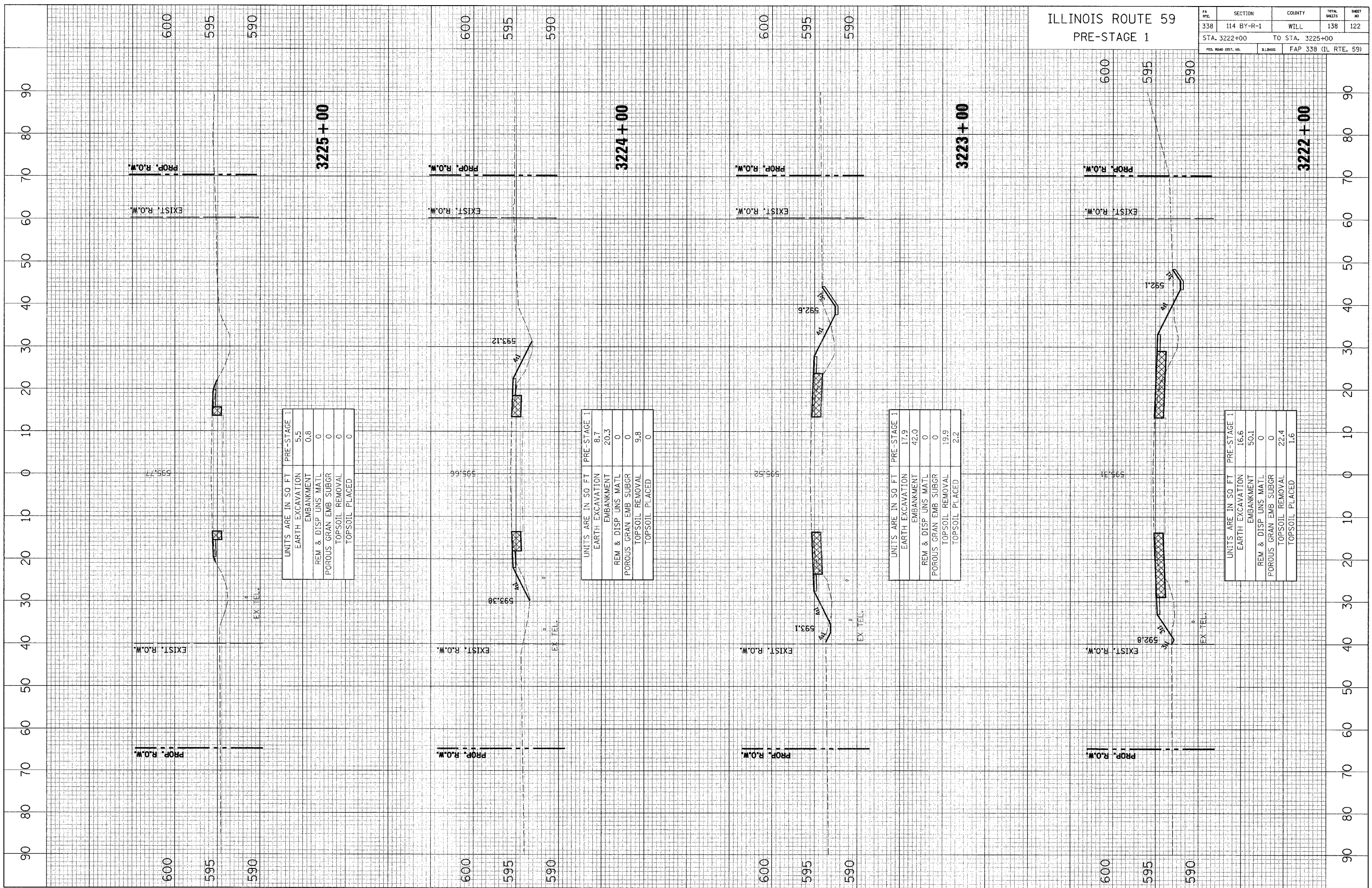
FA	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	114 BY-R-1	WILL	139	121

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 NOTE BOOK NO. DATE
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 SECTION GRADES CHECKED ALIGNMENT CHECKED
 NOTE BOOK NO. DATE
 NO. DATE

ILLINOIS ROUTE 59
 PRE-STAGE 1

FA RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	114 BY-R-1	WILL	138	122
STA. 3222+00		TO STA. 3225+00		
FED. ROAD DIST. NO.		ILLINOIS	FAP 338 (IL RTE. 59)	



UNITS ARE IN 50 FT PRE-STAGE 1

EARTH EXCAVATION	5.5
EMBANKMENT	0.8
REM & DISP UNS MATL	0
POROUS GRAN EMB SUBGR	0
TOPSOIL REMOVAL	0
TOPSOIL PLACED	0

UNITS ARE IN 50 FT PRE-STAGE 1

EARTH EXCAVATION	8.7
EMBANKMENT	20.3
REM & DISP UNS MATL	0
POROUS GRAN EMB SUBGR	0
TOPSOIL REMOVAL	9.8
TOPSOIL PLACED	0

UNITS ARE IN 50 FT PRE-STAGE 1

EARTH EXCAVATION	17.9
EMBANKMENT	42.0
REM & DISP UNS MATL	0
POROUS GRAN EMB SUBGR	0
TOPSOIL REMOVAL	19.9
TOPSOIL PLACED	2.2

UNITS ARE IN 50 FT PRE-STAGE 1

EARTH EXCAVATION	16.6
EMBANKMENT	50.1
REM & DISP UNS MATL	0
POROUS GRAN EMB SUBGR	0
TOPSOIL REMOVAL	22.4
TOPSOIL PLACED	1.6

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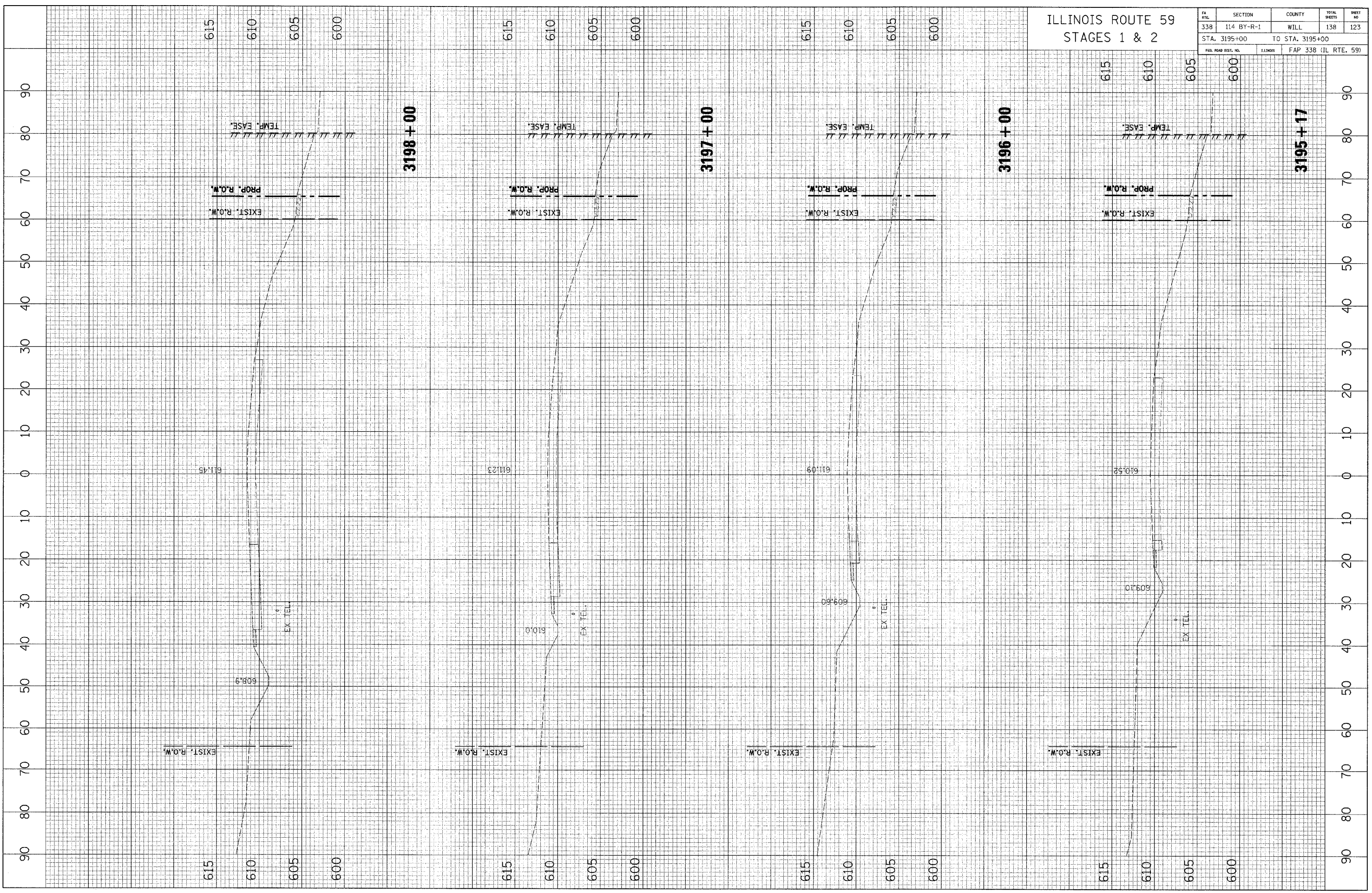
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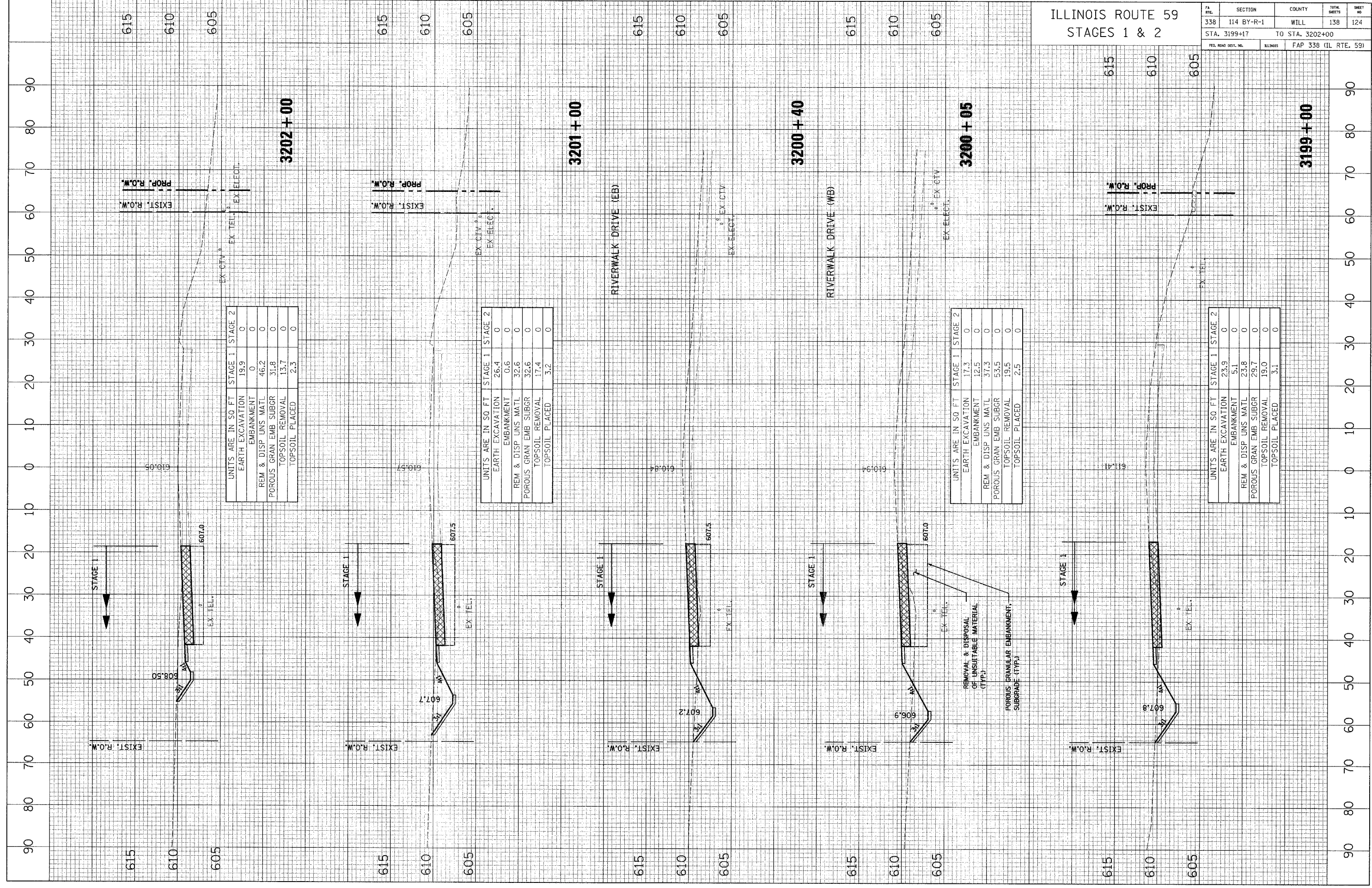
FA RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	114 BY-R-1	WILL	138	123
STA. 3195+00		TO STA. 3195+00		
FED. ROAD DIST. NO.		ILLINOIS	FAP 338 (IL RTE. 59)	

ILLINOIS ROUTE 59
 STAGES 1 & 2



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 NO. 3199+17 STRUCTURE NOTATION CHRD

CROSS SECTION SURVEYED PLOTTED CHECKED BY DATE
 NO. 3199+17 STRUCTURE NOTATION CHRD



UNITS ARE IN SQ FT

	STAGE 1	STAGE 2
EARTH EXCAVATION	19.9	0
EMBANKMENT	0	0
REM & DISP UNS MATL	46.2	0
POROUS GRAN EMB SUBGR	31.8	0
TOPSOIL REMOVAL	13.7	0
TOPSOIL PLACED	2.3	0

UNITS ARE IN SQ FT

	STAGE 1	STAGE 2
EARTH EXCAVATION	26.4	0
EMBANKMENT	0.6	0
REM & DISP UNS MATL	32.6	0
POROUS GRAN EMB SUBGR	32.6	0
TOPSOIL REMOVAL	17.4	0
TOPSOIL PLACED	3.2	0

UNITS ARE IN SQ FT

	STAGE 1	STAGE 2
EARTH EXCAVATION	17.3	0
EMBANKMENT	12.5	0
REM & DISP UNS MATL	37.3	0
POROUS GRAN EMB SUBGR	53.5	0
TOPSOIL REMOVAL	19.5	0
TOPSOIL PLACED	2.5	0

UNITS ARE IN SQ FT

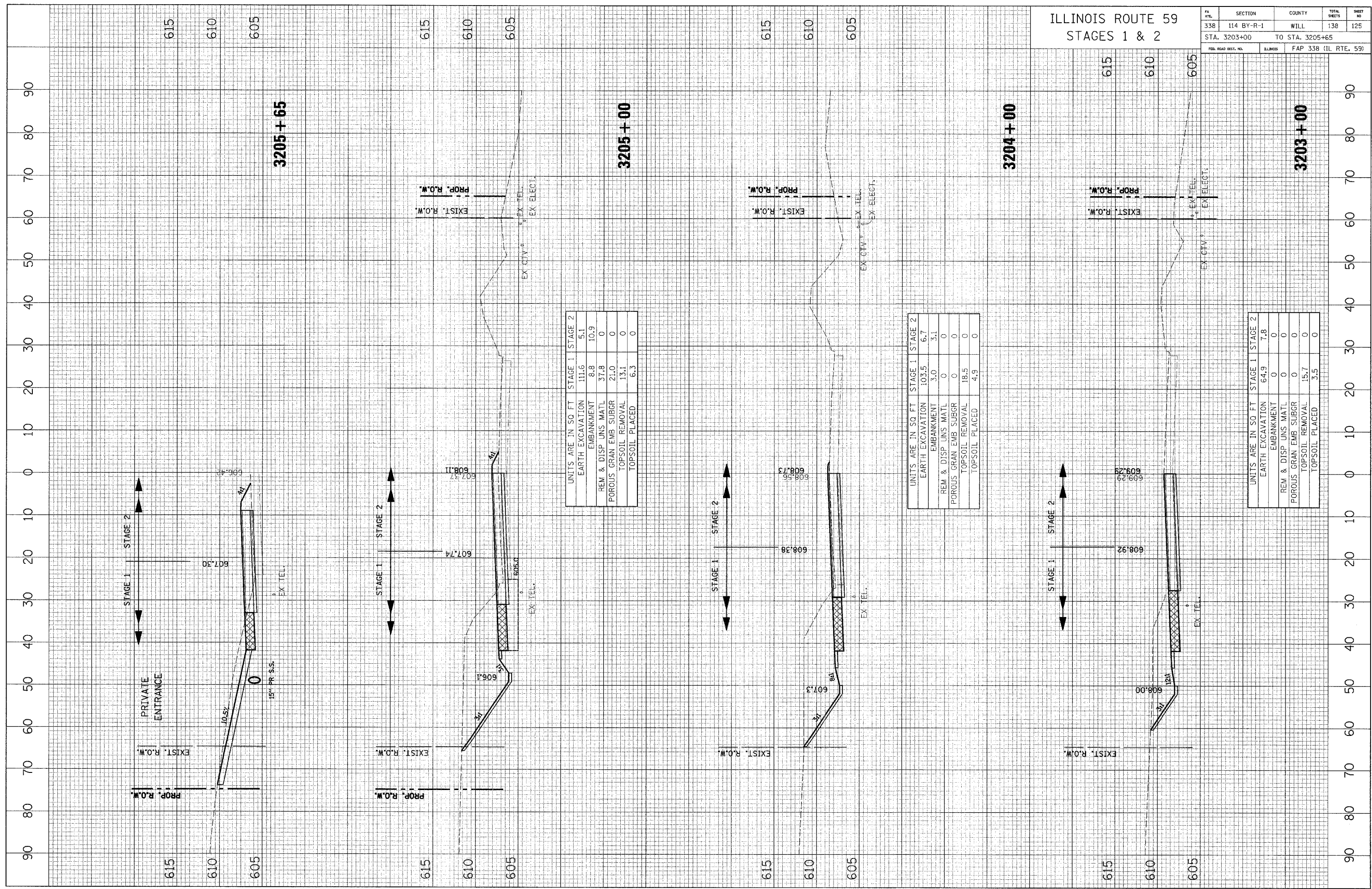
	STAGE 1	STAGE 2
EARTH EXCAVATION	23.9	0
EMBANKMENT	5.1	0
REM & DISP UNS MATL	23.8	0
POROUS GRAN EMB SUBGR	29.7	0
TOPSOIL REMOVAL	19.0	0
TOPSOIL PLACED	3.1	0

ILLINOIS ROUTE 59
 STAGES 1 & 2

FA RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	114 BY-R-1	WILL	138	124
STA. 3199+17		TO STA. 3202+00		
FED. ROAD DIST. NO.	ILLINOIS	FAP 338 (IL RTE. 59)		

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 SECTION NO. 114 BY-R-1
 NOTE BOOK NO. 338
 DATE OF SURVEY
 DATE OF PLOTTING
 DATE OF CHECKING
 FILE NAME

CROSS SECTION SURVEYED PLOTTED CHECKED BY DATE
 SECTION NO. 114 BY-R-1
 NOTE BOOK NO. 338
 DATE OF SURVEY
 DATE OF PLOTTING
 DATE OF CHECKING
 FILE NAME



ILLINOIS ROUTE 59
 STAGES 1 & 2

FA R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	114 BY-R-1	WILL	138	125
STA. 3203+00		TO STA. 3205+65		
FED. ROAD DIST. NO.		ILLINOIS	FAP 338 (IL RTE. 59)	

UNITS ARE IN SQ FT

	STAGE 1	STAGE 2
EARTH EXCAVATION	111.6	5.1
EMBANKMENT	8.8	10.9
REM & DISP UNS MATL	37.8	0
POROUS GRAN EMB SUBGR	21.0	0
TOPSOIL REMOVAL	13.1	0
TOPSOIL PLACED	6.3	0

UNITS ARE IN SQ FT

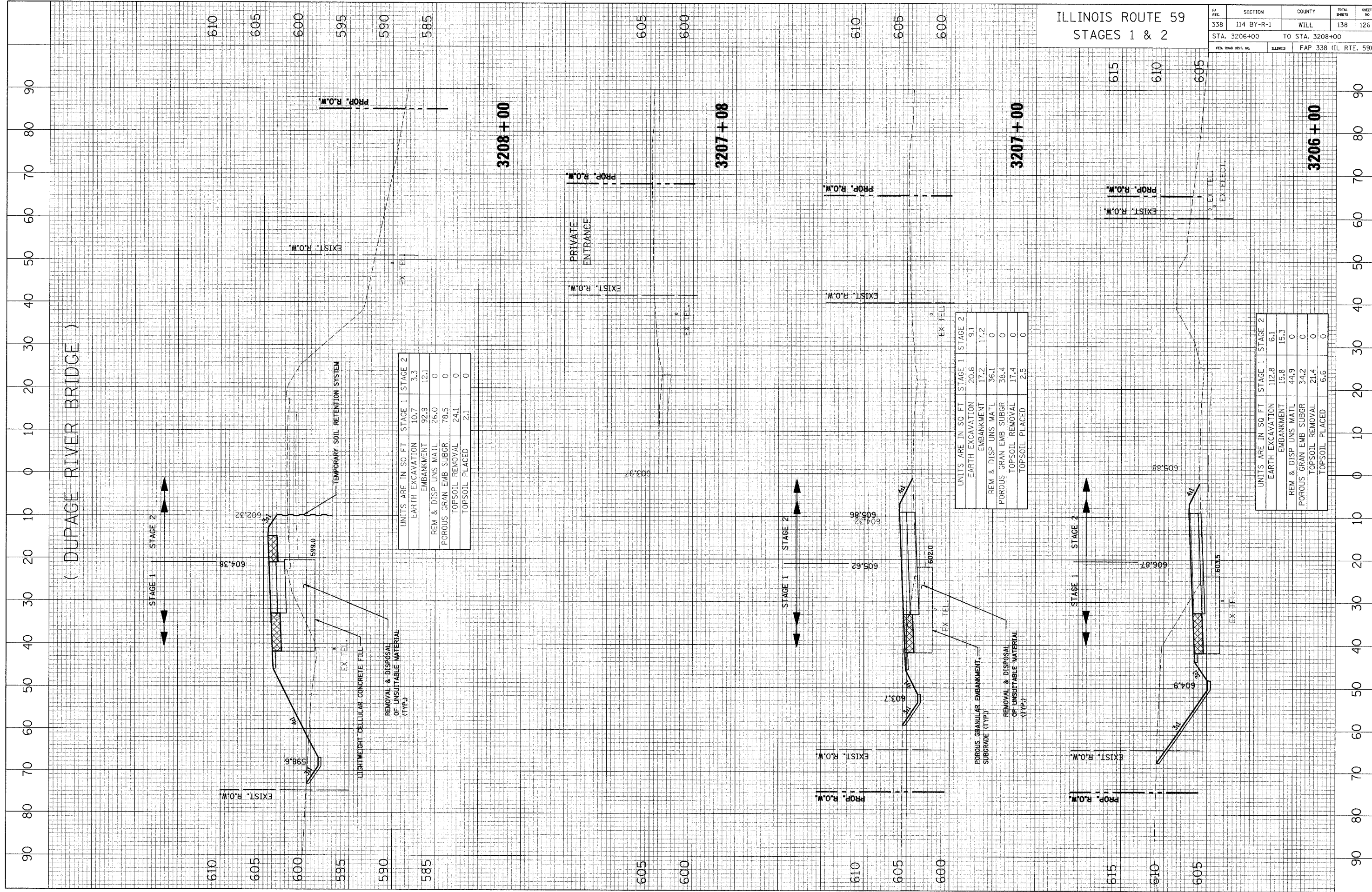
	STAGE 1	STAGE 2
EARTH EXCAVATION	103.5	6.7
EMBANKMENT	3.0	3.1
REM & DISP UNS MATL	0	0
POROUS GRAN EMB SUBGR	0	0
TOPSOIL REMOVAL	18.5	0
TOPSOIL PLACED	4.9	0

UNITS ARE IN SQ FT

	STAGE 1	STAGE 2
EARTH EXCAVATION	64.9	7.8
EMBANKMENT	0	0
REM & DISP UNS MATL	0	0
POROUS GRAN EMB SUBGR	0	0
TOPSOIL REMOVAL	15.7	0
TOPSOIL PLACED	3.5	0

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SECTION	PLOTTED		
NOTE BOOK NO.	CHECKED		
	BY		
	NO. OF		
	FILE		
	NAME		



ILLINOIS ROUTE 59		TOTAL SHEETS		SHEET NO.	
STAGES 1 & 2		338	138	114 BY-R-1	126
STA. 3206+00 TO STA. 3208+00		FAP 338 (IL RTE. 59)			
FED. ROAD DIST. NO.		ILLINOIS		COUNTY	

UNITS ARE IN 50 FT		
	STAGE 1	STAGE 2
EARTH EXCAVATION	10.7	3.3
EMBANKMENT	92.9	12.1
REM & DISP UNS MATL	26.0	0
POROUS GRAN EMB SUBGR	78.5	0
TOPSOIL REMOVAL	24.1	0
TOPSOIL PLACED	2.1	0

UNITS ARE IN 50 FT		
	STAGE 1	STAGE 2
EARTH EXCAVATION	20.6	9.1
EMBANKMENT	17.2	17.2
REM & DISP UNS MATL	36.1	0
POROUS GRAN EMB SUBGR	38.4	0
TOPSOIL REMOVAL	17.4	0
TOPSOIL PLACED	2.5	0

UNITS ARE IN 50 FT		
	STAGE 1	STAGE 2
EARTH EXCAVATION	112.8	6.1
EMBANKMENT	15.8	15.3
REM & DISP UNS MATL	44.9	0
POROUS GRAN EMB SUBGR	34.2	0
TOPSOIL REMOVAL	21.4	0
TOPSOIL PLACED	6.6	0

110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100

ILLINOIS ROUTE 59
STAGES 1 & 2

TA 338	SECTION 114 BY-R-1	COUNTY WILL	TOTAL SHEETS 139	SHEET NO. 127
STA. 3212+00		TO STA. 3214+00		
FED. ROAD DIST. NO.		BLANKETS	FED. AID PROJECT	
CONTRACT NO. 60C19				

UNITS ARE IN SQ FT	STAGE 1	STAGE 2
EARTH EXCAVATION	0	0
EMBANKMENT	350.3	0
REM & DISP UNS MATL	0	0
POROUS GRAN EMB SUBGR	0	0
TOPSOIL REMOVAL	30.2	0
TOPSOIL PLACED	9.7	0

UNITS ARE IN SQ FT	STAGE 1	STAGE 2
EARTH EXCAVATION	0	0
EMBANKMENT	321.8	0
REM & DISP UNS MATL	0	0
POROUS GRAN EMB SUBGR	0	0
TOPSOIL REMOVAL	22.6	0
TOPSOIL PLACED	6.7	0

UNITS ARE IN SQ FT	STAGE 1	STAGE 2
EARTH EXCAVATION	0	0
EMBANKMENT	454.3	0
REM & DISP UNS MATL	0	0
POROUS GRAN EMB SUBGR	0	0
TOPSOIL REMOVAL	26.8	0
TOPSOIL PLACED	8.9	0

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SECTION PLOTTED BY DATE
NOTE BOOK NO. STRUCTURE NOTATION/NO. CHKD

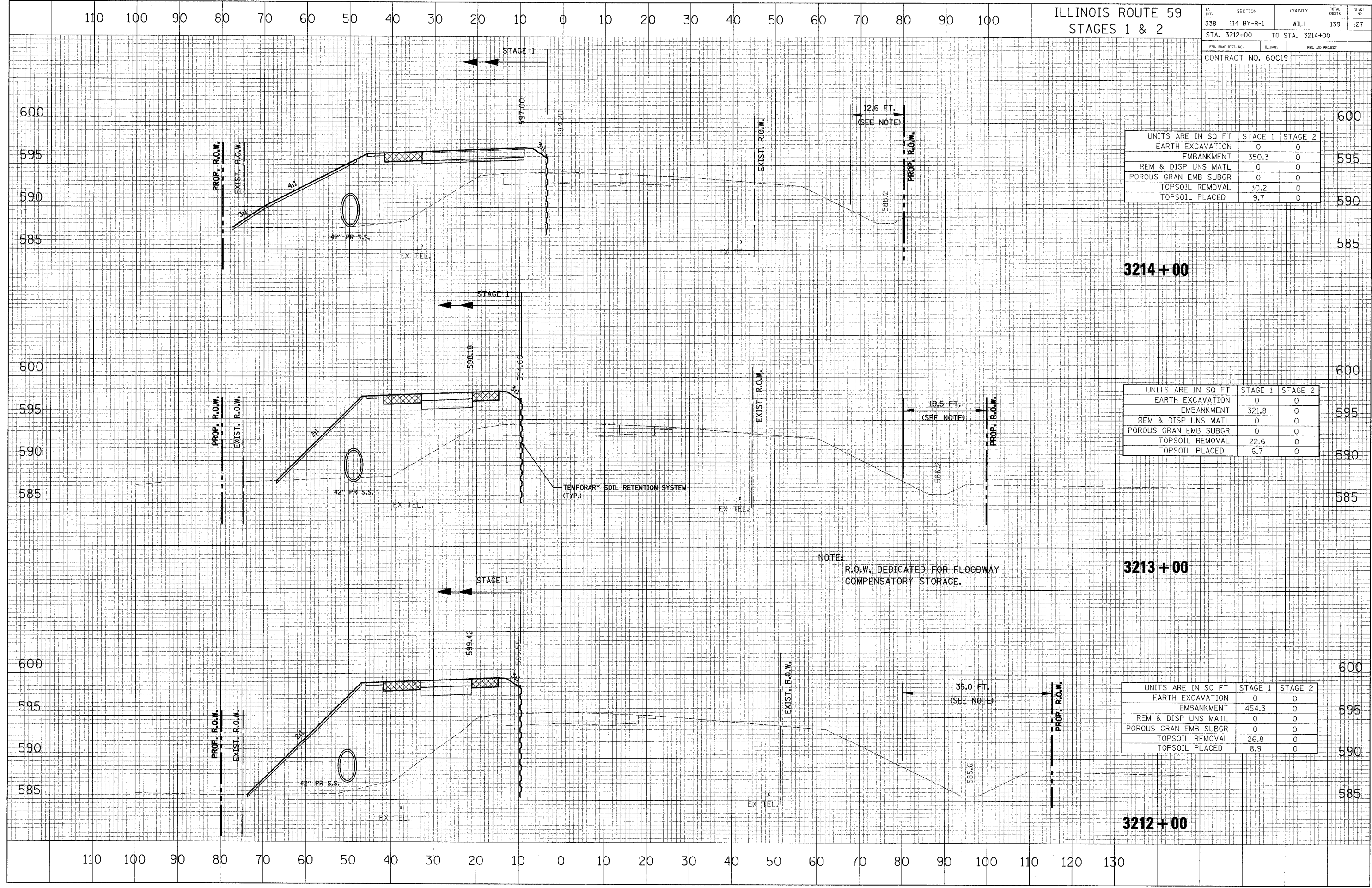
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3214+00

3213+00

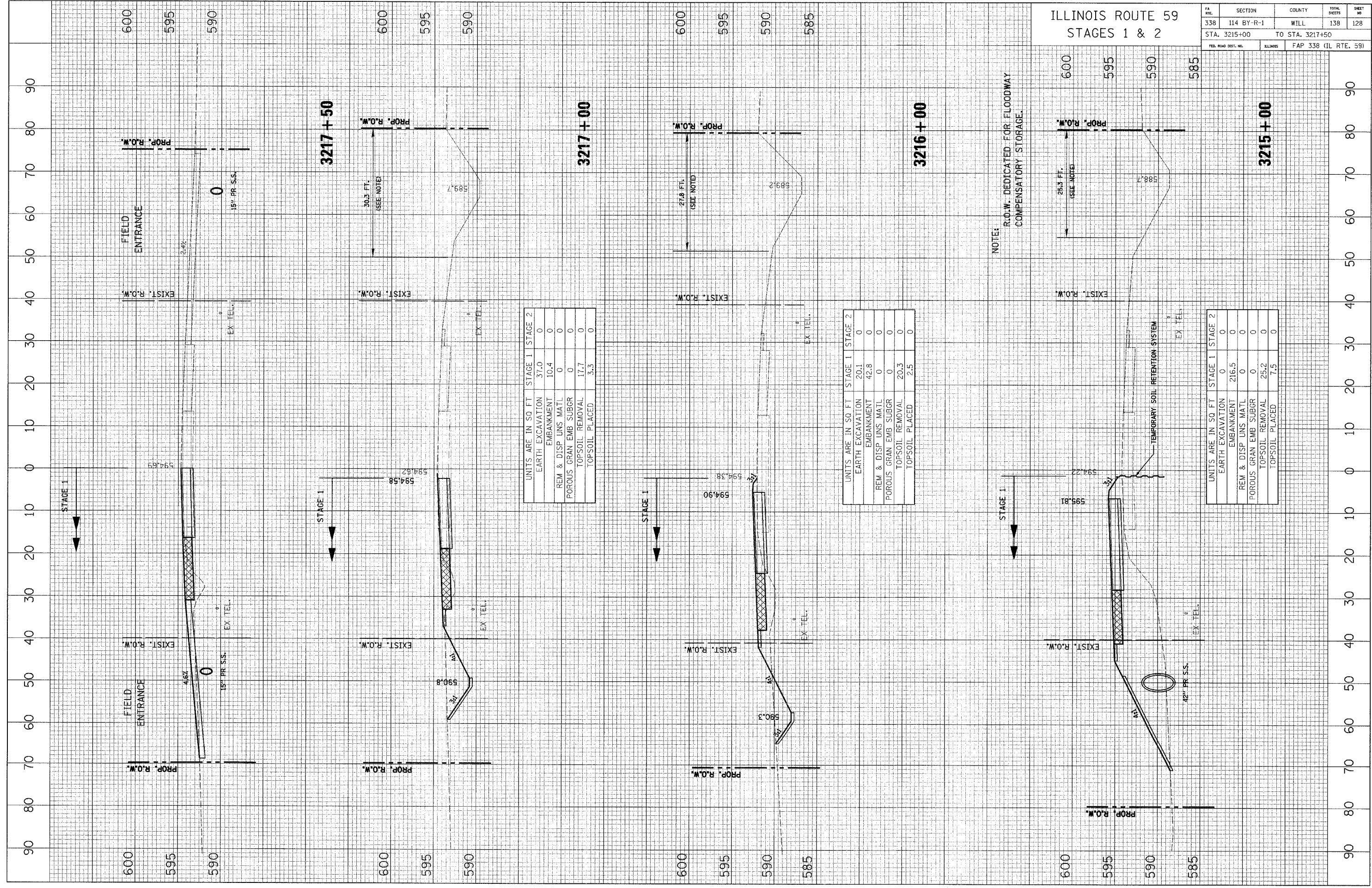
3212+00

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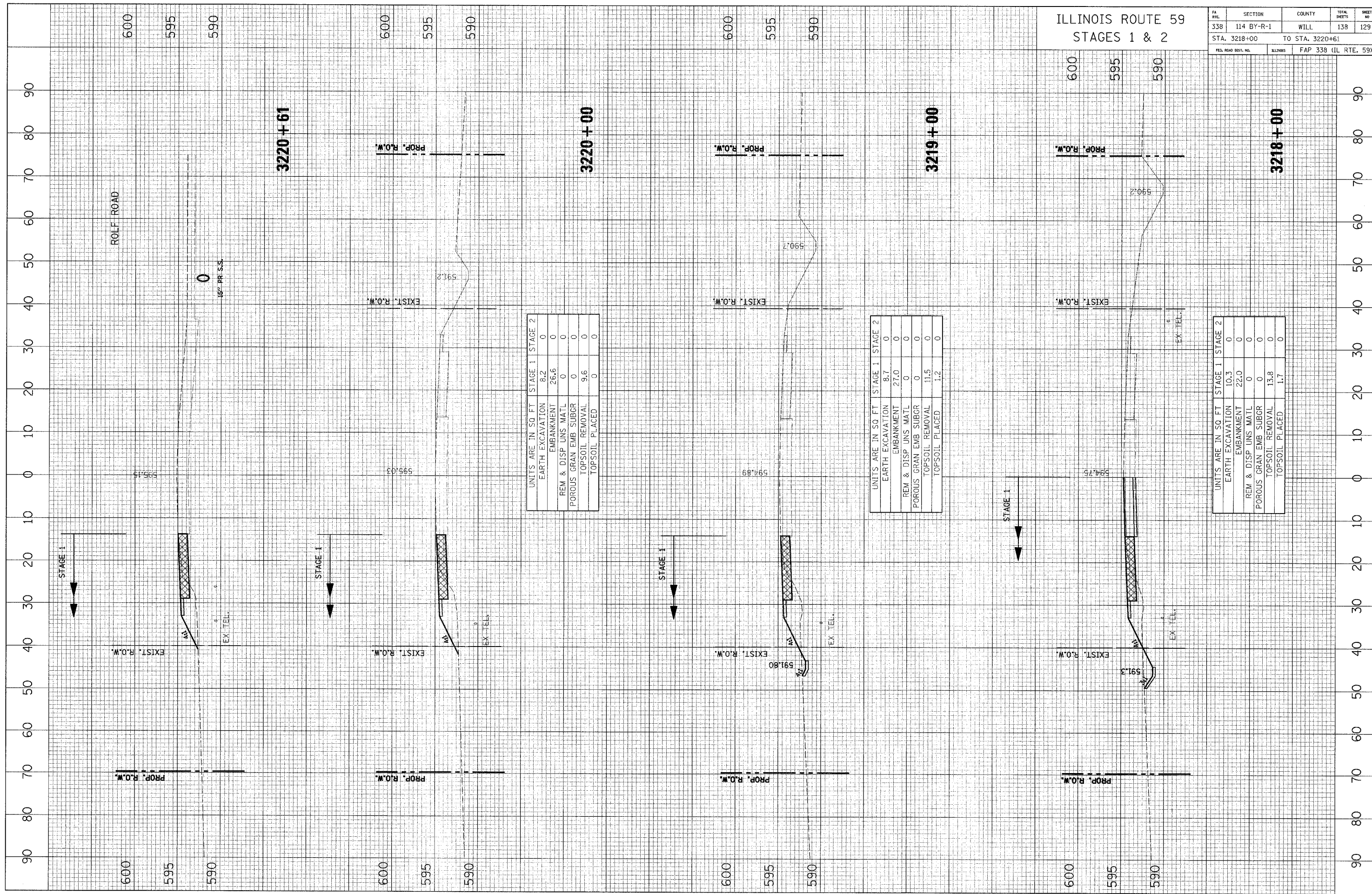
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 NO. OF WAY CHECKED
 STRUCTURE NOTATION CHD



ILLINOIS ROUTE 59	SECTION 114 BY-R-1	COUNTY WILL	TOTAL SHEETS 138	SHEET NO 128
STAGES 1 & 2		STA. 3215+00 TO STA. 3217+50		
FED. ROAD DIST. NO.	ILLINOIS	FAP 338 (IL RTE. 59)		

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 NOTE BOOK NO. CHECKED BY
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 SECTION PLOTTED BY
 NOTE BOOK NO. CHECKED BY
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FA. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	114 BY-R-1	WILL	138	129
STA. 3218+00		TO STA. 3220+61		
FED. ROAD DIST. NO.		ILLINOIS	FAP 338 (IL. RTE. 59)	

UNITS ARE IN SQ FT

	STAGE 1	STAGE 2
EARTH EXCAVATION	8.2	0
EMBANKMENT	26.6	0
REM & DISP UNS MATL	0	0
POROUS GRAN EMB SUBGR	0	0
TOPSOIL REMOVAL	9.6	0
TOPSOIL PLACED	0	0

UNITS ARE IN SQ FT

	STAGE 1	STAGE 2
EARTH EXCAVATION	8.7	0
EMBANKMENT	27.0	0
REM & DISP UNS MATL	0	0
POROUS GRAN EMB SUBGR	0	0
TOPSOIL REMOVAL	11.5	0
TOPSOIL PLACED	1.2	0

UNITS ARE IN SQ FT

	STAGE 1	STAGE 2
EARTH EXCAVATION	10.3	0
EMBANKMENT	22.0	0
REM & DISP UNS MATL	0	0
POROUS GRAN EMB SUBGR	0	0
TOPSOIL REMOVAL	13.8	0
TOPSOIL PLACED	1.7	0

ROLF ROAD

3220+61

3220+00

3219+00

3218+00

ILLINOIS ROUTE 59
 STAGES 1 & 2

STAGE 1

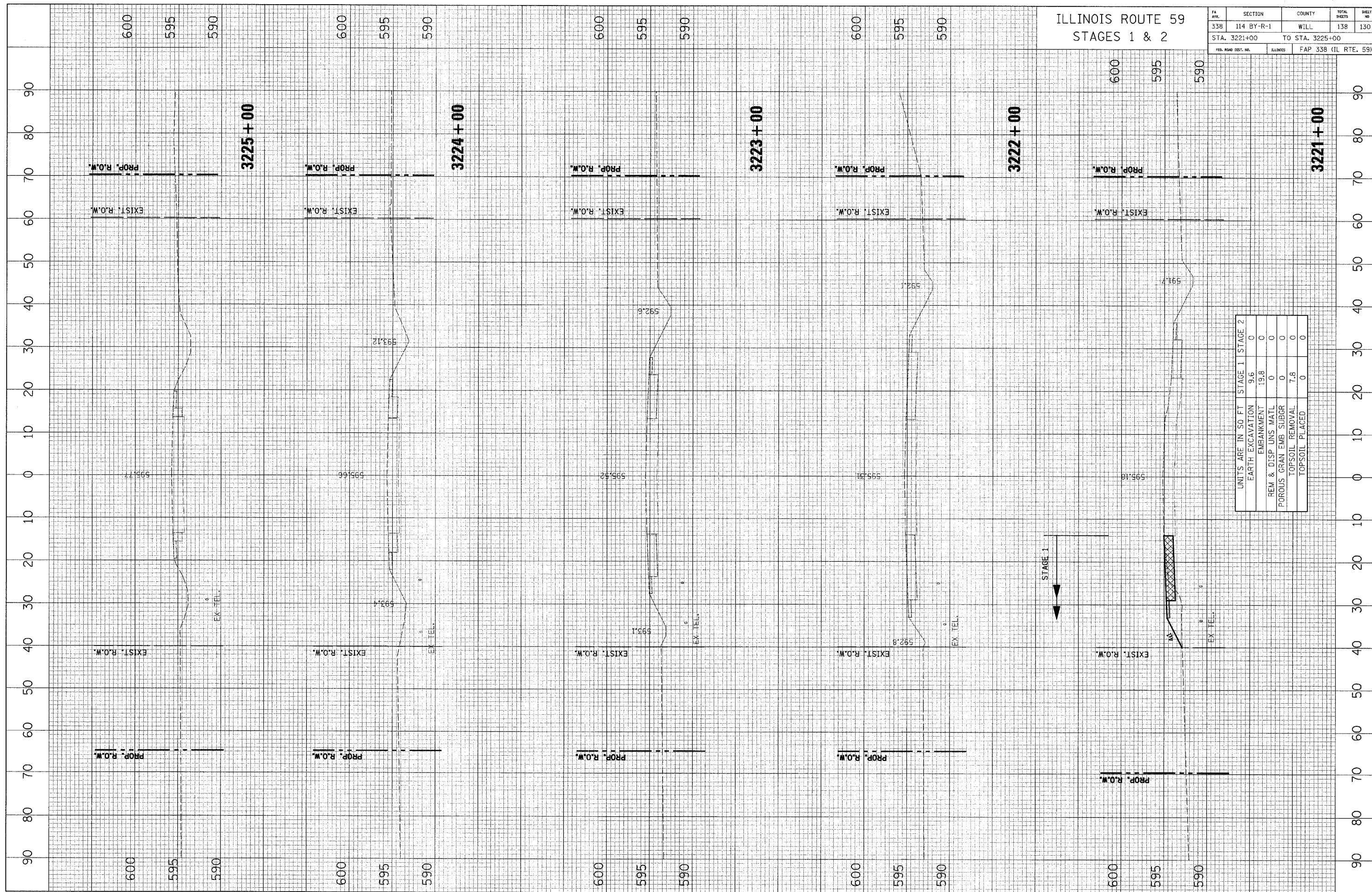
STAGE 1

STAGE 1

STAGE 1

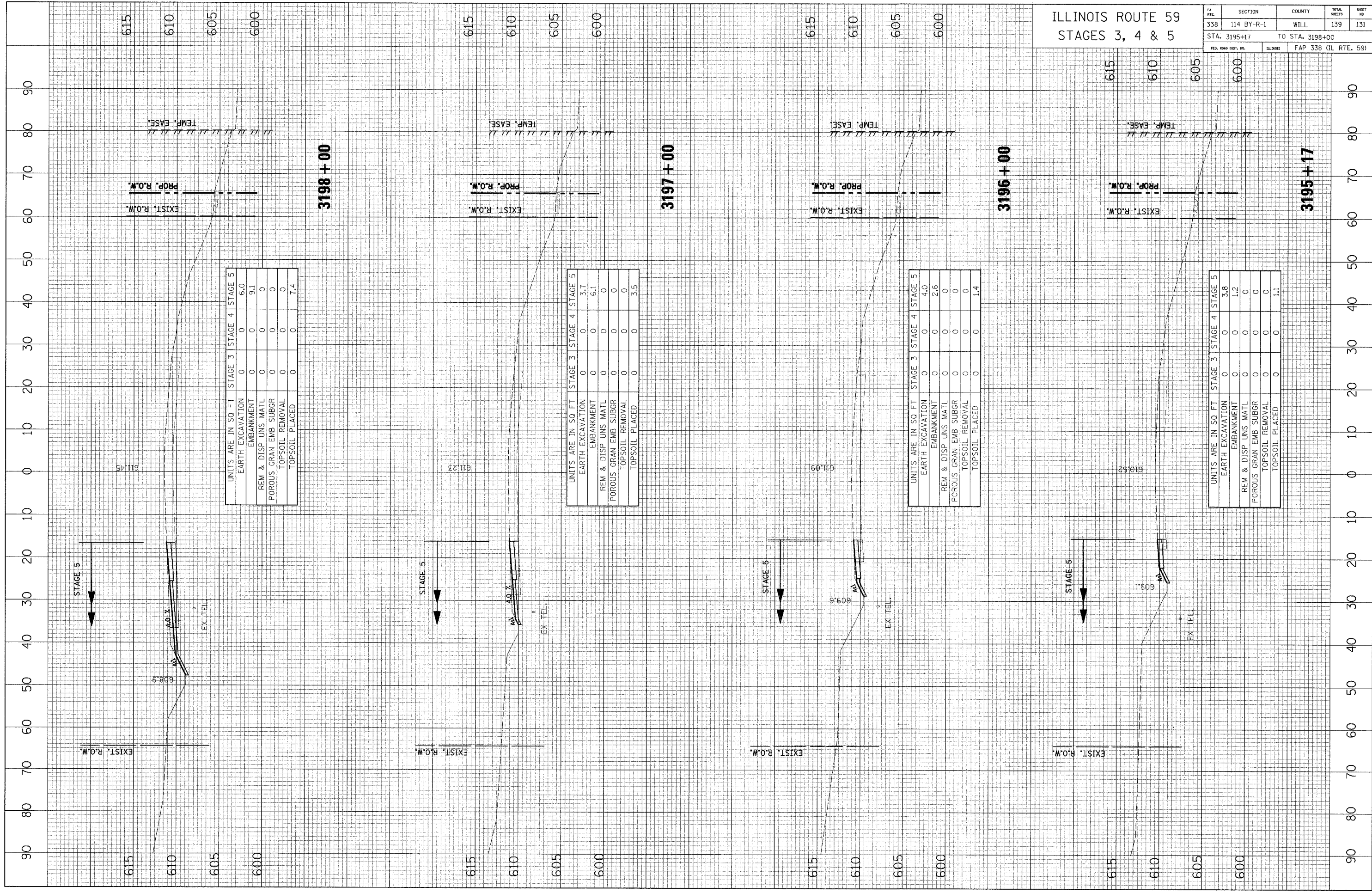
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ILLINOIS ROUTE 59
 STAGES 3, 4 & 5

FA RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	114 BY-R-1	WILL	139	131
STA. 3195+17		TO STA. 3198+00		
FED. ROAD DIST. NO.		ILLINOIS FAP 338 (IL RTE. 59)		

3198+00

UNITS ARE IN SQ FT	STAGE 3	STAGE 4	STAGE 5
EARTH EXCAVATION	0	0	6.0
EMBANKMENT	0	0	9.1
REM & DISP UNS MATL	0	0	0
POROUS GRAN EMB SUBGR	0	0	0
TOPSOIL REMOVAL	0	0	0
TOPSOIL PLACED	0	0	7.4

3197+00

UNITS ARE IN SQ FT	STAGE 3	STAGE 4	STAGE 5
EARTH EXCAVATION	0	0	3.7
EMBANKMENT	0	0	6.1
REM & DISP UNS MATL	0	0	0
POROUS GRAN EMB SUBGR	0	0	0
TOPSOIL REMOVAL	0	0	0
TOPSOIL PLACED	0	0	3.5

3196+00

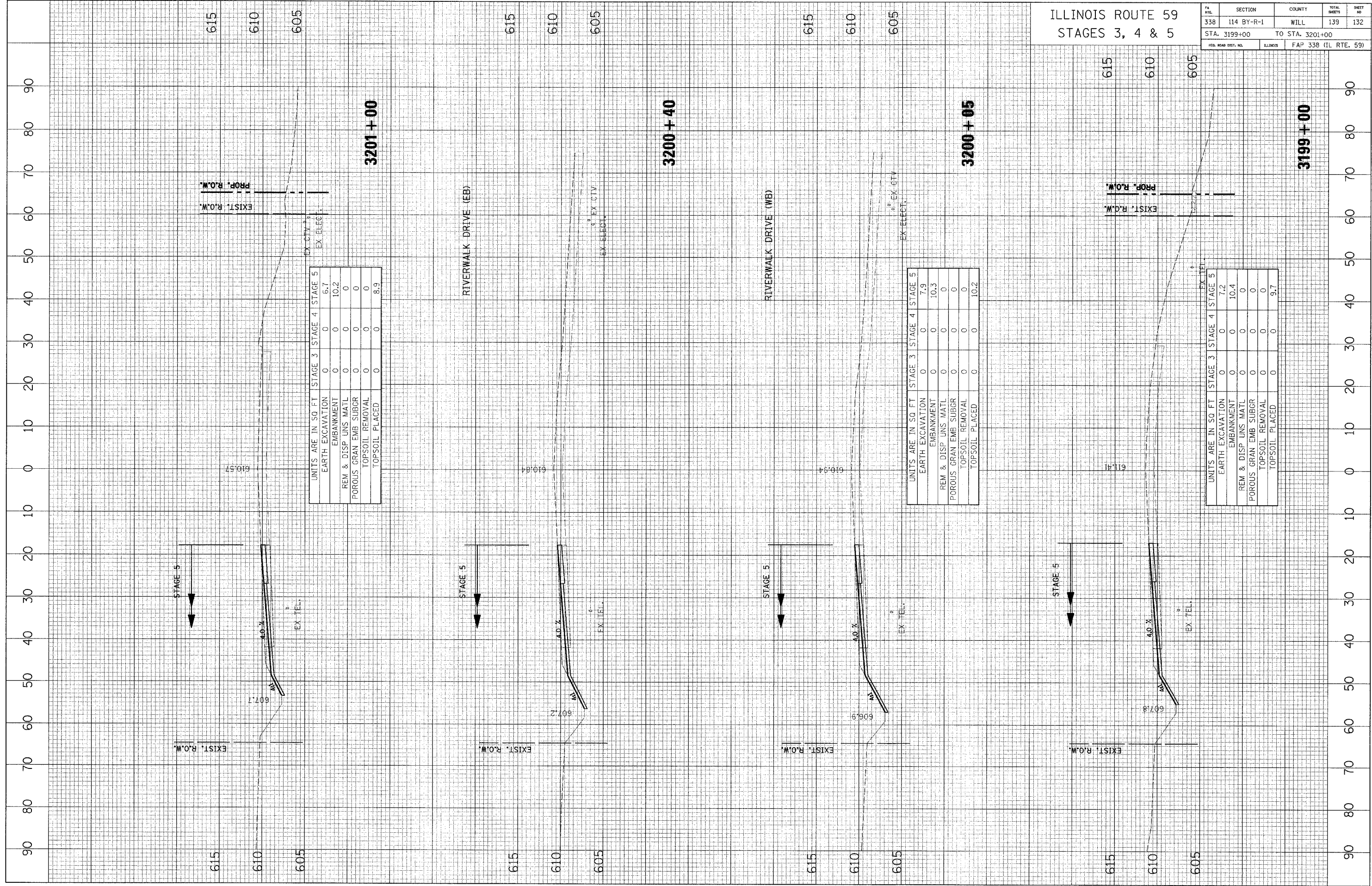
UNITS ARE IN SQ FT	STAGE 3	STAGE 4	STAGE 5
EARTH EXCAVATION	0	0	4.0
EMBANKMENT	0	0	2.6
REM & DISP UNS MATL	0	0	0
POROUS GRAN EMB SUBGR	0	0	0
TOPSOIL REMOVAL	0	0	0
TOPSOIL PLACED	0	0	1.4

3195+17

UNITS ARE IN SQ FT	STAGE 3	STAGE 4	STAGE 5
EARTH EXCAVATION	0	0	3.8
EMBANKMENT	0	0	1.2
REM & DISP UNS MATL	0	0	0
POROUS GRAN EMB SUBGR	0	0	0
TOPSOIL REMOVAL	0	0	0
TOPSOIL PLACED	0	0	1.1

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 NOTE BOOK NO. CHECKED BY DATE
 NO. DATED FILE NAME

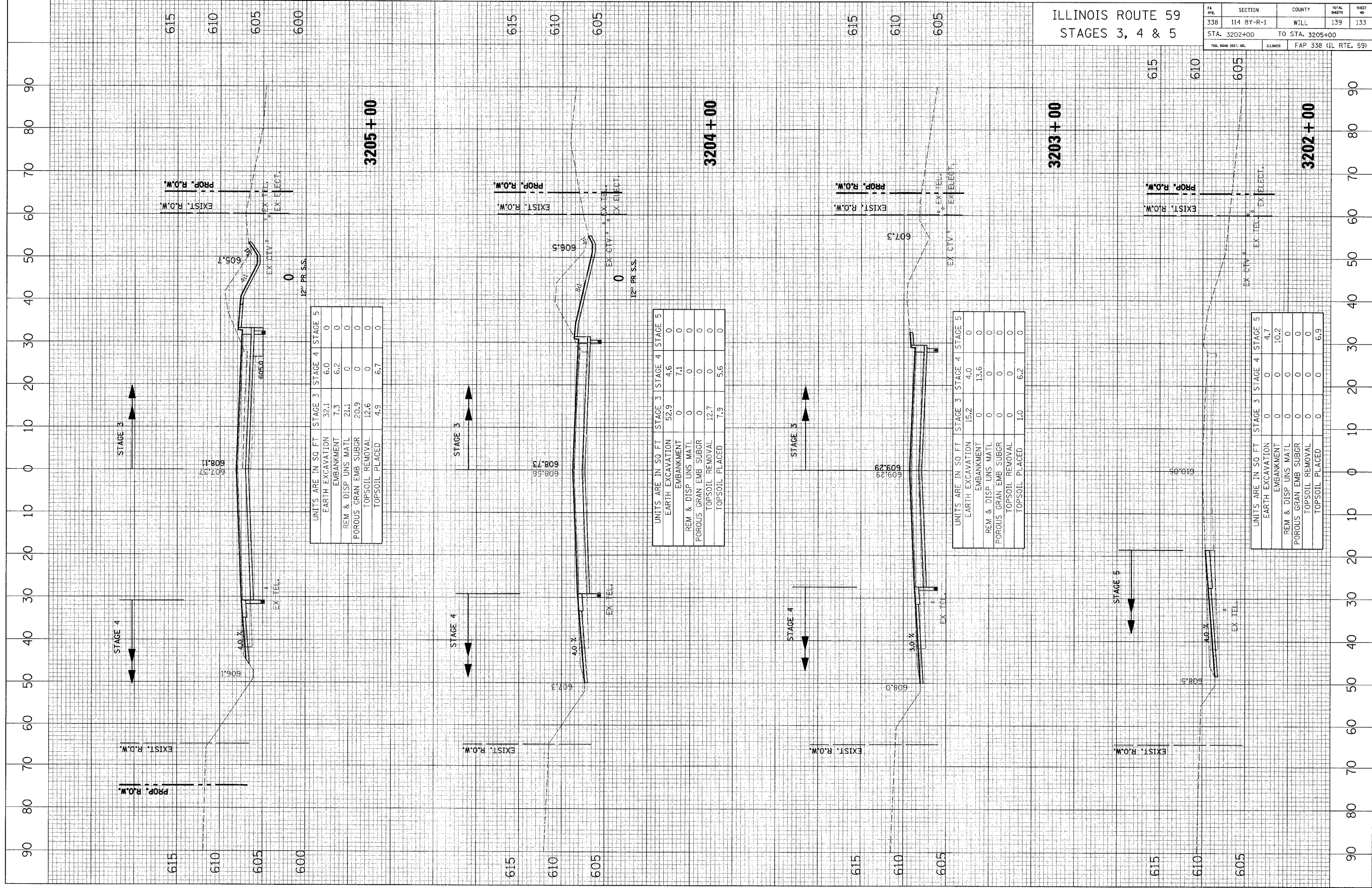
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FA R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	114 BY-R-1	WILL	139	132
STA. 3199+00		TO STA. 3201+00		
FED. ROAD DIST. NO.	ILLINOIS	FAP 338 (IL RTE. 59)		

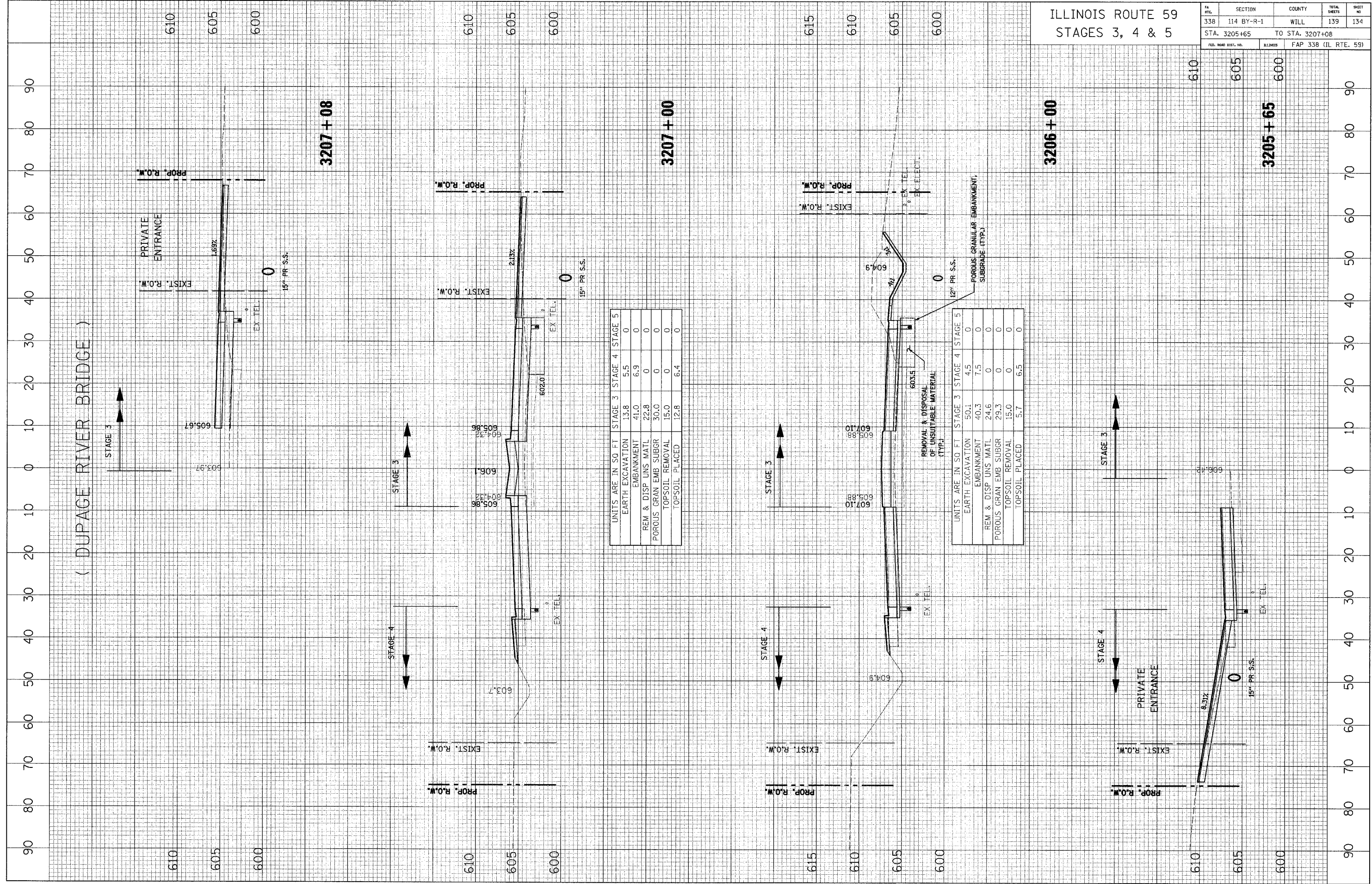
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 SECTION PLOTTED BY DATE
 NOTE BOOK NO. CHECKED BY DATE
 FILE NAME

CROSS SECTION SURVEYED BY DATE
 SECTION PLOTTED BY DATE
 NOTE BOOK NO. CHECKED BY DATE
 STRUCTURE NOTATION CRK



FA RTG.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	114 BY-R-1	WILL	139	134
STA. 3205+65		TO STA. 3207+08		
FED. ROAD DIST. NO.	ALINEAS	FAP 338 (IL RTE. 59)		

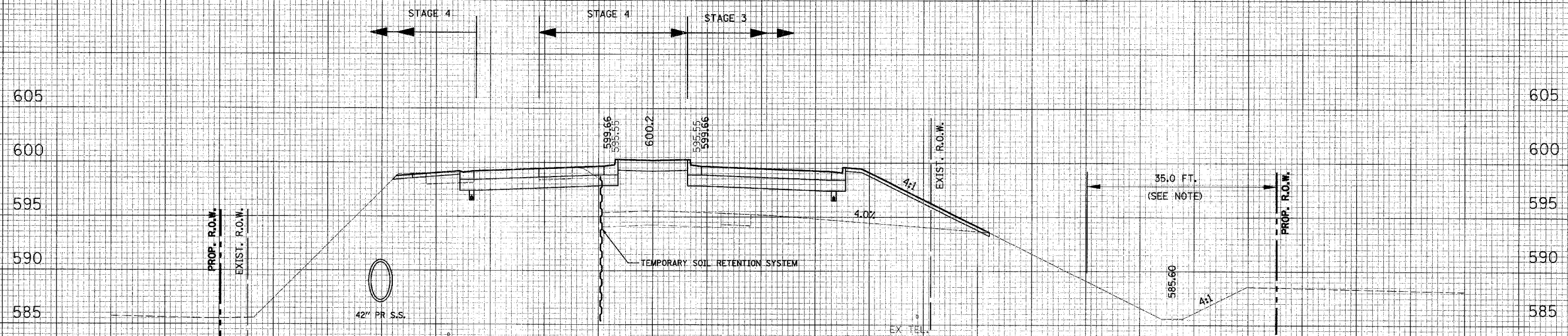
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ILLINOIS ROUTE 59
STAGES 3, 4 & 5

FILE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	114 BY-R-1	WILL	139	135
STA. 3208+00 AND		STA. 3212+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 60C19				

CROSS SECTION SURVEYED BY DATE
PLOTTED BY
CHECKED BY
NOTE BOOK NO.
REVISIONS
REVISION NO. REVISION DATE
DRAWN BY
DATE

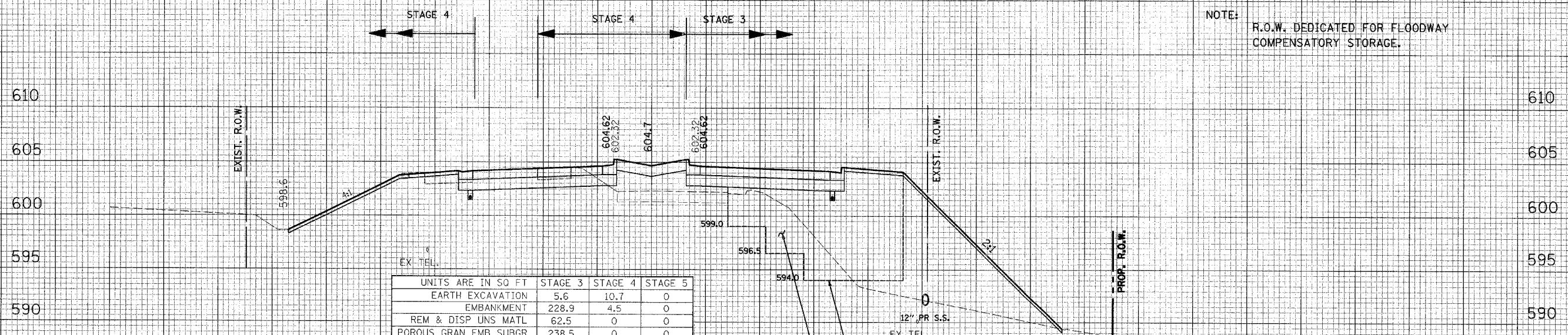
CROSS SECTION SURVEYED BY DATE
PLOTTED BY
CHECKED BY
NOTE BOOK NO.
REVISIONS
REVISION NO. REVISION DATE
DRAWN BY
DATE



UNITS ARE IN SQ FT	STAGE 3	STAGE 4	STAGE 5
EARTH EXCAVATION	0.3	4.5	0
EMBANKMENT	225.6	7.5	0
REM & DISP UNS MATL	0	0	0
POROUS GRAN EMB SUBGR	0	0	0
TOPSOIL REMOVAL	0	0	0
TOPSOIL PLACED	16.1	1.1	0

3212+00

NOTE:
R.O.W. DEDICATED FOR FLOODWAY
COMPENSATORY STORAGE.



UNITS ARE IN SQ FT	STAGE 3	STAGE 4	STAGE 5
EARTH EXCAVATION	5.6	10.7	0
EMBANKMENT	228.9	4.5	0
REM & DISP UNS MATL	62.5	0	0
POROUS GRAN EMB SUBGR	238.5	0	0
TOPSOIL REMOVAL	27.6	0	0
TOPSOIL PLACED	16.6	7.4	0

3208+00

110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130

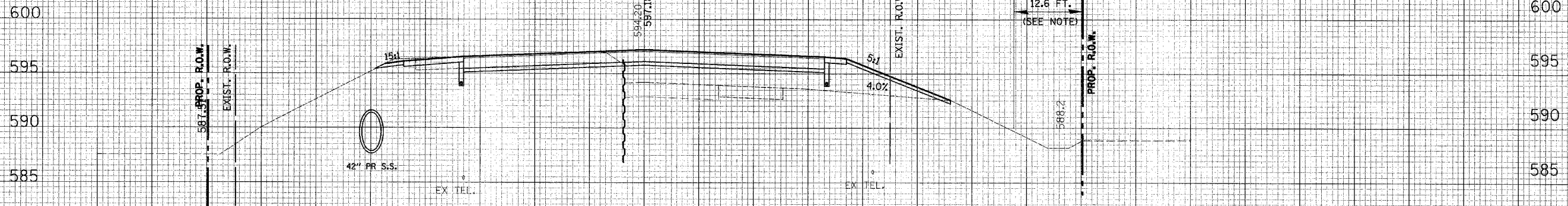
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ILLINOIS ROUTE 59
STAGES 3, 4 & 5

FA RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	114 BY-R-1	WILL	139	136
STA. 3213+00		TO STA. 3214+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 60C19				

DATE: _____ BY: _____
 SURVEYED: _____
 SECTION: _____
 PLOTTED: _____
 CHECKED: _____
 NOTE BOOK NO. _____
 FILE NAME: _____

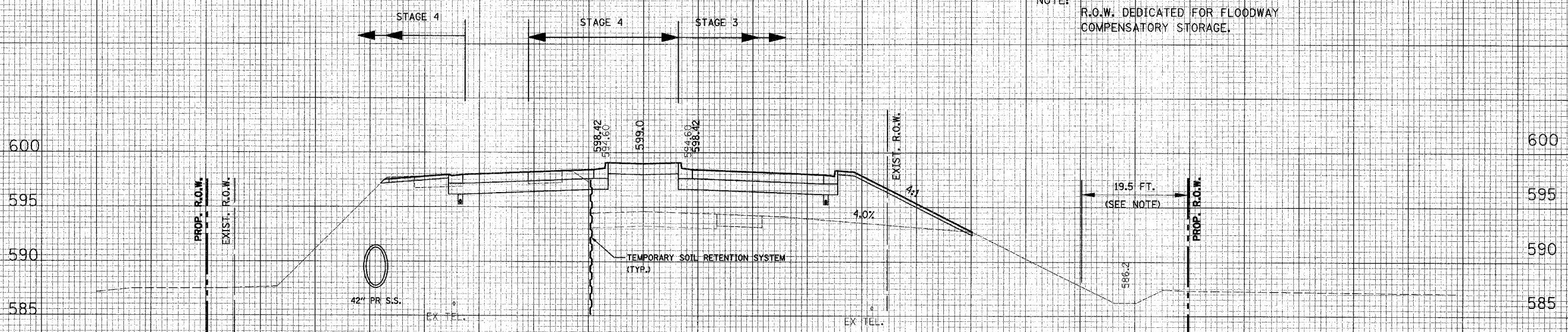
DATE: _____ BY: _____
 SURVEYED: _____
 SECTION: _____
 PLOTTED: _____
 CHECKED: _____
 NOTE BOOK NO. _____
 FILE NAME: _____



UNITS ARE IN SQ FT	STAGE 3	STAGE 4	STAGE 5
EARTH EXCAVATION	0.4	0	3.7
EMBANKMENT	126.4	0	4.3
REM & DISP UNS MATL	0	0	0
POROUS GRAN EMB SUBGR	0	0	0
TOPSOIL REMOVAL	0	0	0
TOPSOIL PLACED	6.4	0	1.4

3214+00

NOTE:
R.O.W. DEDICATED FOR FLOODWAY
COMPENSATORY STORAGE.



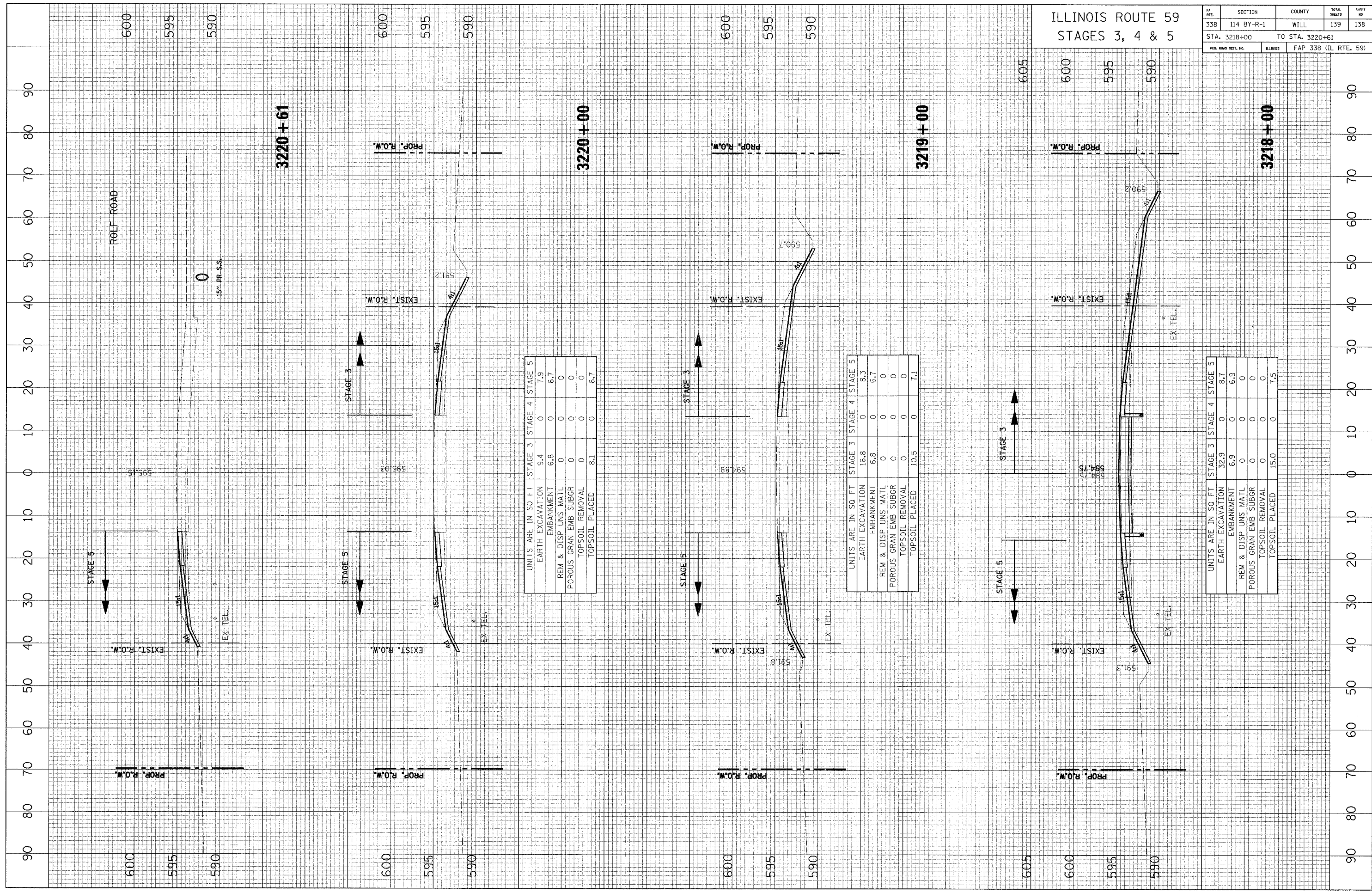
UNITS ARE IN SQ FT	STAGE 3	STAGE 4	STAGE 5
EARTH EXCAVATION	0.3	4.5	0
EMBANKMENT	206.4	7.5	0
REM & DISP UNS MATL	0	0	0
POROUS GRAN EMB SUBGR	0	0	0
TOPSOIL REMOVAL	0	0	0
TOPSOIL PLACED	15.5	0.4	0

3213+00

110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130

CROSS SECTION SURVEYED BY DATE
 SECTION PLANNED BY DATE
 NOTE BOOK NO. CHECKED BY DATE
 RT. OF WAY CHECKED BY DATE
 CLUD FILE NAME

CROSS SECTION SURVEYED BY DATE
 SECTION PLANNED BY DATE
 NOTE BOOK NO. CHECKED BY DATE
 RT. OF WAY CHECKED BY DATE
 STRUCTURE NOTATIONS CHRD



UNITS ARE IN SQ FT

	STAGE 3	STAGE 4	STAGE 5
EARTH EXCAVATION	9.4	0	7.9
EMBANKMENT	6.8	0	6.7
REM & DISP UNS MATL	0	0	0
POROUS GRAN EMB SUBGR	0	0	0
TOPSOIL REMOVAL	0	0	0
TOPSOIL PLACED	8.1	0	6.7

UNITS ARE IN SQ FT

	STAGE 3	STAGE 4	STAGE 5
EARTH EXCAVATION	16.8	0	8.3
EMBANKMENT	6.8	0	6.7
REM & DISP UNS MATL	0	0	0
POROUS GRAN EMB SUBGR	0	0	0
TOPSOIL REMOVAL	0	0	0
TOPSOIL PLACED	10.5	0	7.1

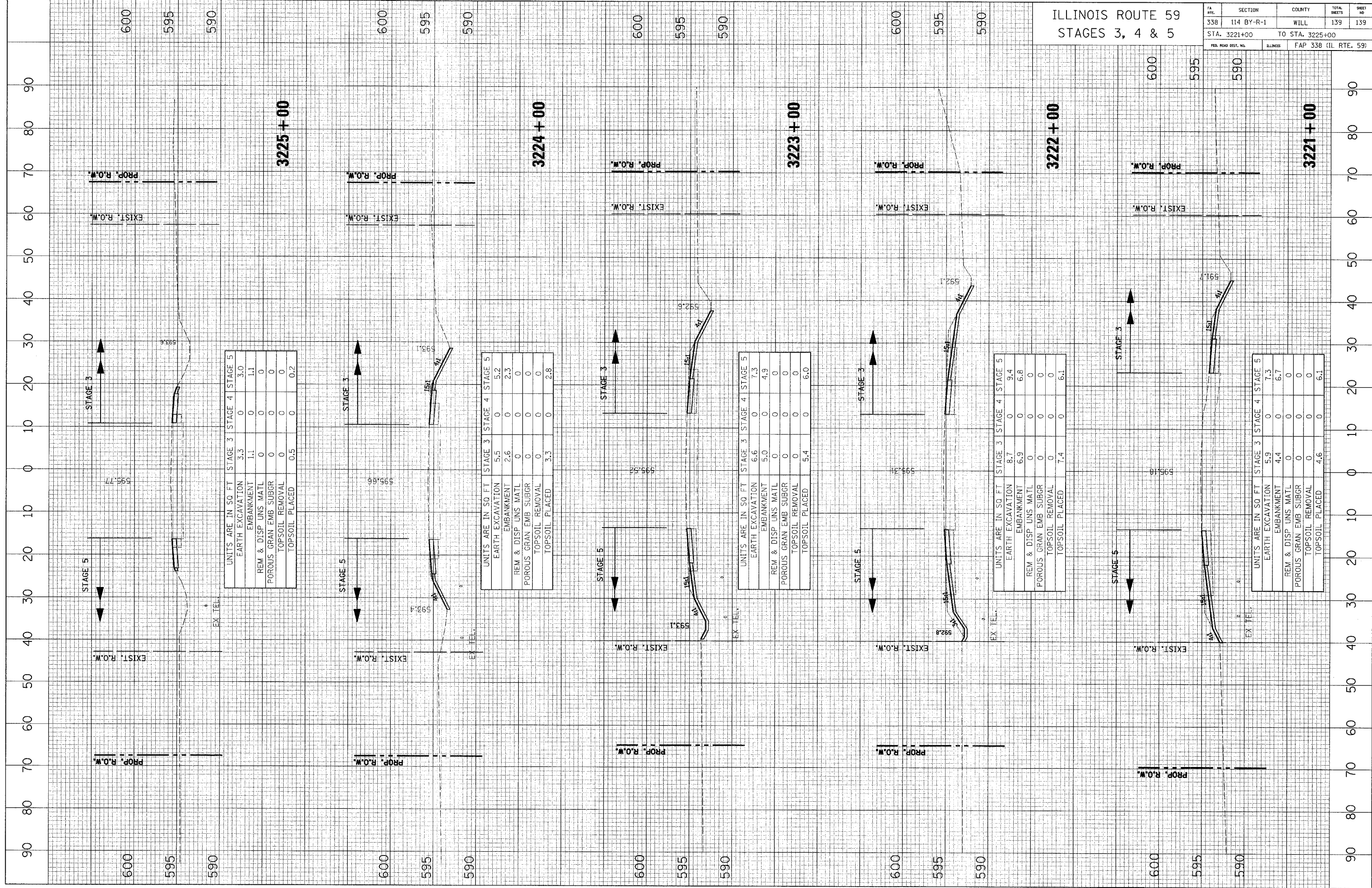
UNITS ARE IN SQ FT

	STAGE 3	STAGE 4	STAGE 5
EARTH EXCAVATION	32.9	0	8.7
EMBANKMENT	6.9	0	6.9
REM & DISP UNS MATL	0	0	0
POROUS GRAN EMB SUBGR	0	0	0
TOPSOIL REMOVAL	0	0	0
TOPSOIL PLACED	15.0	0	7.5

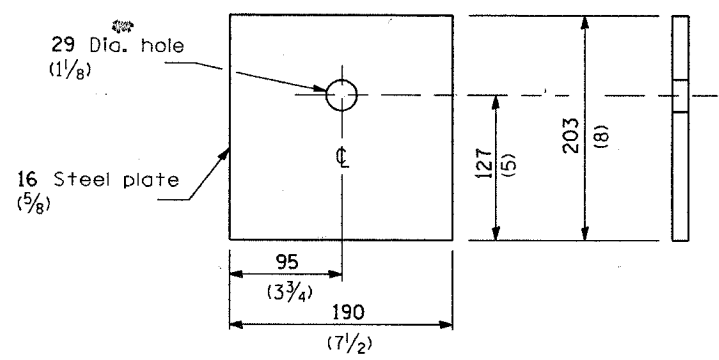
FA RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
338	114 BY-R-1	WILL	139	138
STA. 3218+00		TO STA. 3220+61		
FED. ROAD DIST. NO.	ILLINOIS	FAP 338 (IL RTE. 59)		

CROSS SECTION SURVEYED BY DATE
 SECTION PLOTTED CHECKED
 NOTE BOOK NO. OF WAY CHECKED
 NO. CAD FILE NAME

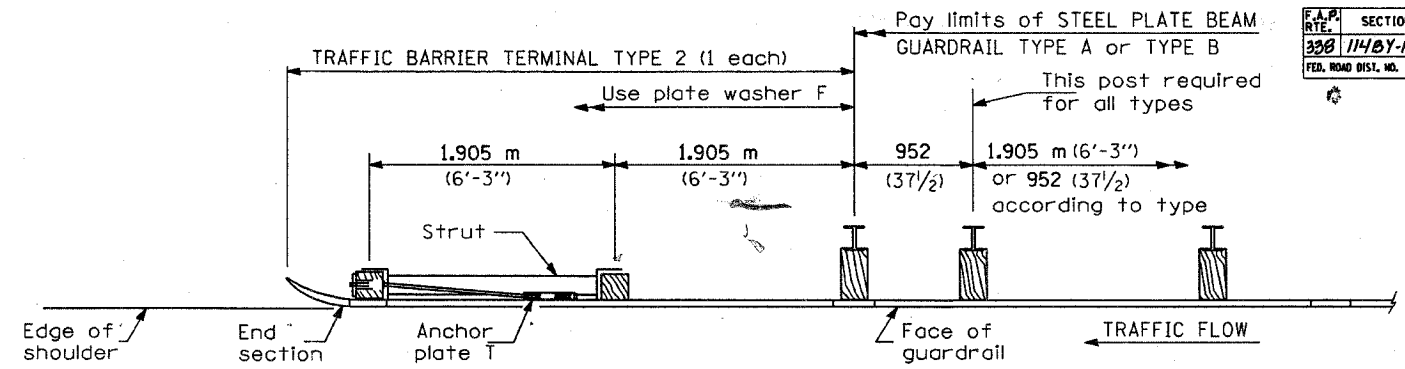
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 SECTION PLOTTED CHECKED
 NOTE BOOK NO. OF WAY CHECKED
 NO. STRUCTURE NOTATION CHKD



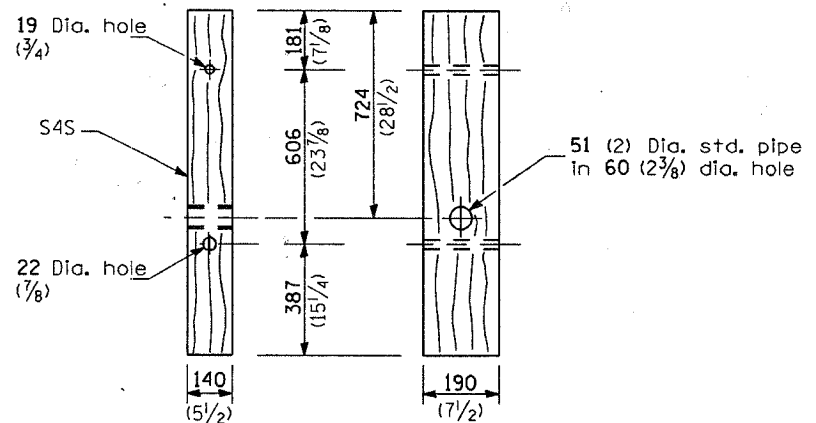
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	114BY-R-1	WILL	139	139A
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	



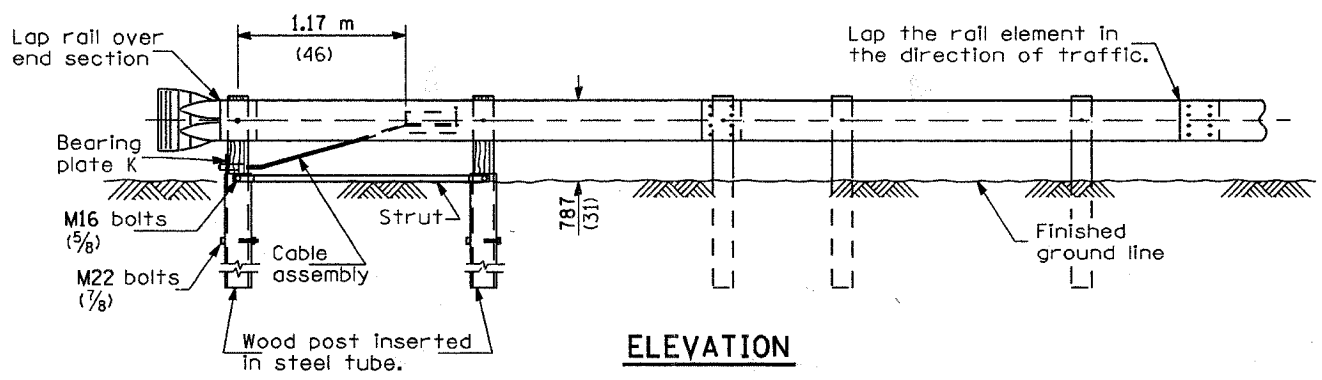
BEARING PLATE K



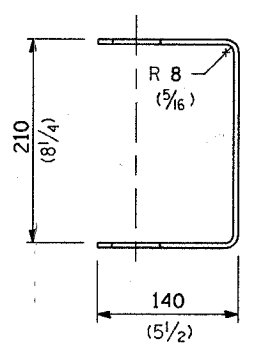
PLAN



WOOD POST

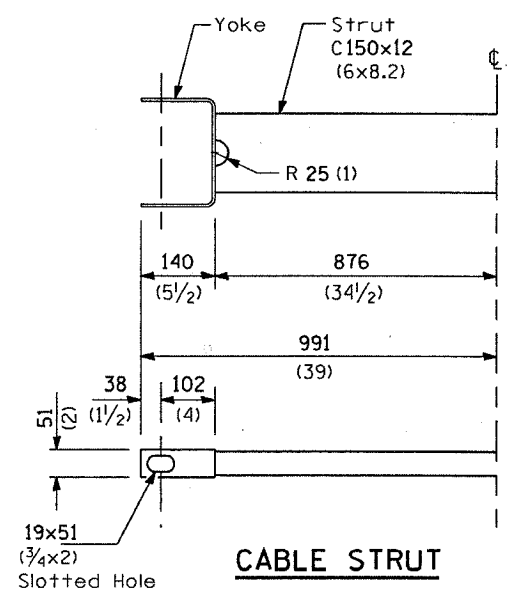


ELEVATION

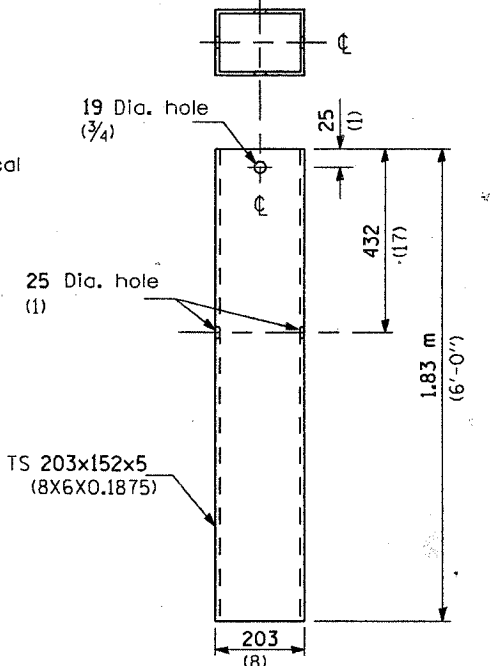


YOKE

5 (3/16) thick steel



CABLE STRUT



STEEL TUBE

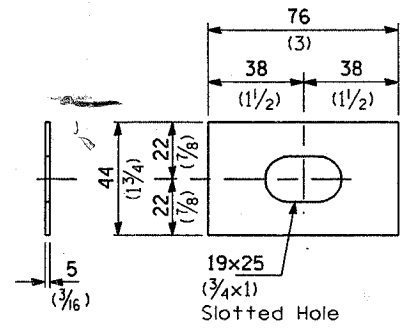


PLATE WASHER F

GENERAL NOTES

See Standard 630001 for details of guardrail not shown.

The bearing plate K shall be held in position by (2) two eight penny nails driven into the post and bent over the top of the plate.

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

TRAFFIC BARRIER TERMINAL, TYPE 2

DETAIL