

FIELD ENGINEER: MEL MANGOBA (847) 705-4408 / PROJECT MANAGER: MARK A. REZNICEK- ESI CONSULTANTS, LTD. (630) 420-1700

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 63066		

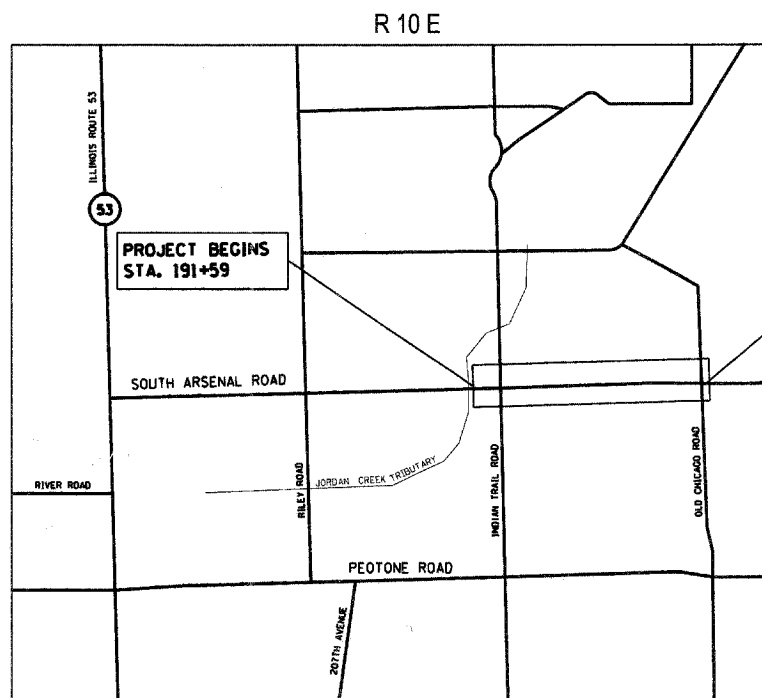
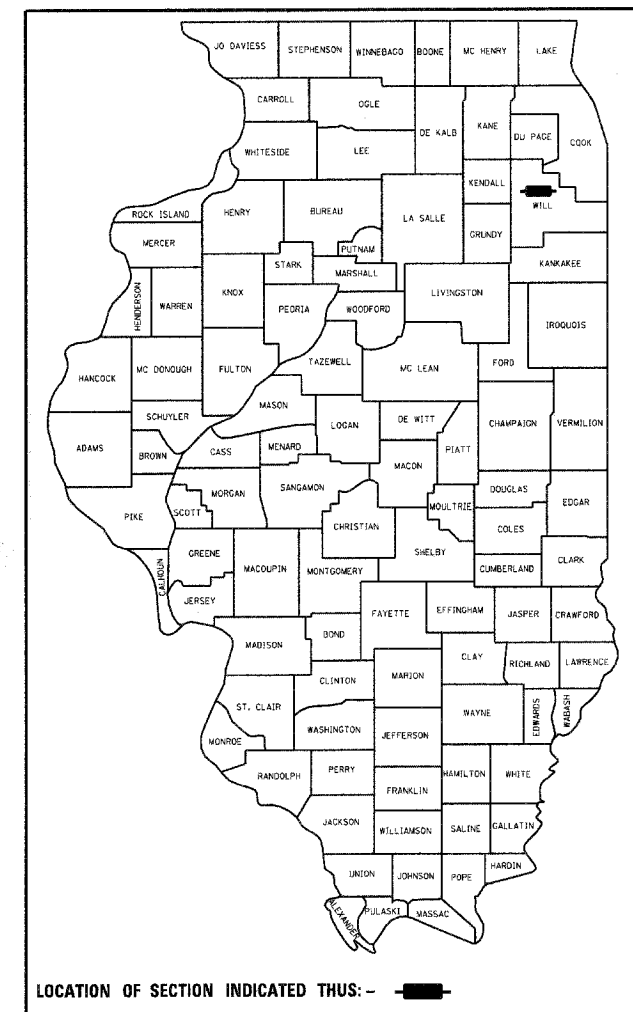
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS**

**PLANS FOR
PROPOSED FEDERAL AID
HIGHWAY**

**SOUTH ARSENAL ROAD
JORDAN CREEK TRIBUTARY TO OLD CHICAGO ROAD
SECTION 08-00039-00-FP
ROADWAY RECONSTRUCTION
PROJECT HPP-4060 (002)
WILL COUNTY
C-91-129-08**

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT IS LOCATED IN THE
CITY OF WILMINGTON



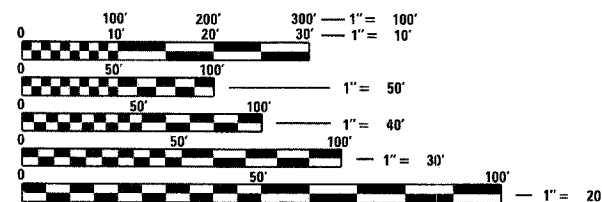
TRAFFIC DATA
POSTED SPEED LIMIT: 40 MPH
DESIGN ADT: 5,000 (2030)
TRUCK TRAFFIC: 22%

PROFESSIONAL ENGINEER'S CERTIFICATION

I, Mark A. Reznicek, A LICENSED PROFESSIONAL ENGINEER OF ILLINOIS, HEREBY CERTIFY THAT THIS SUBMISSION WAS PREPARED ON BEHALF OF JOLIET ARSENAL DEVELOPMENT AUTHORITY, BY ESI CONSULTANTS, LTD. UNDER MY PERSONAL DIRECTION. THIS TECHNICAL SUBMISSION IS INTENDED TO BE USED AS AN INTEGRAL PART OF AND IN CONJUNCTION WITH THE PROJECT SPECIFICATIONS AND CONTRACT DOCUMENTS.

DATED THIS 12th DAY OF June, A.D., 2008.

Mark A. Reznicek
ENGINEER
ILLINOIS REG. PROF. ENGINEER NO. 062-046136 EXPIRATION DATE 11/30/2009



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

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

FLORENCE TOWNSHIP
LOCATION MAP
N.T.S.
GROSS AND NET LENGTH OF PROJECT = 6650 FEET (1.26 MILES)
DESIGN CLASSIFICATION: MAJOR COLLECTOR (NON-URBAN)

ESI ESI CONSULTANTS, LTD
1979 N. MILL STREET, SUITE 100
NAPERVILLE, IL 60563
(630) 420-1700
WWW.ESICONSULTANTS.LTD.COM
ILLINOIS DEPARTMENT OF PROFESSIONAL REGULATION REGISTRATION #184-003685

** THIS DOCUMENT IS THE PROPERTY OF ESI CONSULTANTS, LTD. AND NO PART HEREIN SHALL BE USED **
EXCEPT FOR THIS SPECIFIC PROJECT WITHOUT THE WRITTEN CONSENT OF ESI CONSULTANTS, LTD.

CONTRACT NO. 63066

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS
APPROVED <u>June 12 2008</u> <u>Steve P. Prusicko</u> CITY OF WILMINGTON, CITY ADMINISTRATOR
PASSED <u>JUNE 13 2008</u> <u>CHRISTOPHER HOLT</u> DISTRICT #1 ENGINEER OF LOCAL ROADS & STREETS
RELEASING FOR BID BASED ON LIMITED REVIEW <u>JUNE 13 2008</u> <u>Diana M. O'Keefe</u> DEPUTY DIRECTOR OF HIGHWAYS, REGION #1 ENGINEER

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

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GENERAL NOTES

1. ALL EXISTING SITE TOPOGRAPHY, UTILITIES, RIGHT-OF-WAY AND HORIZONTAL CONTROL SHOWN ON THE DRAWINGS WERE OBTAINED FROM SURVEY DATA PREPARED BY:

ESI Consultants, Ltd.
1979 NORTH MILL STREET SUITE 100
NAPERVILLE, ILLINOIS 60563
TEL: 630/420-1700 / FAX: 630/420-1733

COPIES OF THE SURVEY ARE AVAILABLE FROM THE ENGINEER.
2. ALL EXISTING TOPOGRAPHY, UNDERGROUND UTILITIES, STRUCTURES AND ASSOCIATED FACILITIES SHOWN ON THESE DRAWINGS HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS. THEREFORE, THEIR LOCATIONS AND ELEVATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHER FACILITIES, THE EXISTENCE OF WHICH ARE NOT PRESENTLY KNOWN. CONTRACTOR IS TO VERIFY ALL EXISTING STRUCTURES AND FACILITIES AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO STARTING HIS WORK.
3. THE CONTRACTOR SHALL SUBSCRIBE TO ALL GOVERNING REGULATIONS AND SHALL OBTAIN ALL NECESSARY PUBLIC AGENCY PERMITS. THE CONTRACTOR, BY USING THESE PLANS FOR THEIR WORK, AGREE TO HOLD HARMLESS ESI CONSULTANTS, LTD., THE VILLAGE, THEIR EMPLOYEES AND AGENTS AND THE OWNER WHILE ACTING WITHIN THE SCOPE OF THEIR DUTIES FROM AND AGAINST ANY AND ALL LIABILITY, CLAIMS, DAMAGES, AND THE COST OF DEFENSE ARISING OUT OF CONTRACTOR(S) PERFORMANCE OF THE WORK DESCRIBED HEREIN, BUT NOT INCLUDING THE SOLE NEGLIGENCE OF THE OWNER, HIS AGENTS, THE ENGINEER, HIS EMPLOYEES AND AGENTS.
4. ALL ELEVATIONS ARE BASED ON WILL COUNTY DATUM. BENCHMARK LOCATIONS AND ELEVATIONS ARE SHOWN ON THIS DRAWING. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING BENCHMARK ELEVATIONS WITH ADJACENT CONTRACTS AS THEY MAY VARY SIGNIFICANTLY.
5. ALL APPLICABLE PROVISIONS OF THE CURRENT OCCUPATIONAL SAFETY AND HEALTH ACT ARE HEREIN INCORPORATED BY REFERENCE.
6. THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION, AND ALL ADDENDA THERETO, SHALL GOVERN THE EARTHWORK AND PAVING WORK UNDER THIS CONTRACT, EXCEPT AS MODIFIED BY THE SPECIFICATIONS.
7. NO BURNING OR INCINERATION OF RUBBISH WILL BE PERMITTED ON SITE.
8. THE CONTRACTOR SHALL PROVIDE FOR THE SAFE AND ORDERLY PASSAGE OF TRAFFIC AND PEDESTRIANS WHERE HIS OPERATIONS ABUT PUBLIC THOROUGHFARES AND ADJACENT PROPERTY.
9. CONSTRUCTION OPERATIONS SHALL BE CONDUCTED IN SUCH A WAY AS TO PREVENT TRACKING OF MUD OR SOIL ONTO PUBLIC THOROUGHFARES. AT THE END OF EACH DAY THE CONTRACTOR SHALL CLEAN UP ALL MUD OR SOIL WHICH HAS BEEN TRACKED ONTO PUBLIC STREETS.

10. PRIOR TO NEW WORK THE CONTRACTOR SHALL FIELD CHECK ALL DIMENSIONS AND ELEVATIONS AND VERIFY THE LOCATION AND ELEVATION OF EXISTING UTILITY LINES AND STRUCTURES TO BE CONNECTED TO PROPOSED WORK. DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY. ALL FIELD TILES ENCOUNTERED DURING EXCAVATION SHALL BE REPAIRED WHERE PRACTICABLE AND PROMPTLY REPORTED TO THE ENGINEER.
11. BEFORE EXCAVATING OVER OR ADJACENT TO ANY EXISTING UTILITIES, NOTIFY THE OWNER OF SUCH UTILITIES TO ENSURE THAT PROTECTIVE WORK WILL BE COORDINATED AND PERFORMED BY THE CONTRACTOR IN ACCORDANCE WITH THE REQUIREMENTS OF THE OWNER OF THE UTILITY INVOLVED. IF ANY EXISTING SERVICE LINES, UTILITIES AND UTILITY STRUCTURES WHICH ARE TO REMAIN IN SERVICE ARE UNCOVERED OR ENCOUNTERED DURING THIS OPERATION, THEY SHALL BE SAFEGUARDED, PROTECTED FROM DAMAGE AND SUPPORTED IF NECESSARY.
12. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY EXISTING STORM DRAINAGE SYSTEM IN ACCORDANCE WITH THE EROSION CONTROL MEASURES INDICATED ON THE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING SEDIMENT RESULTING FROM THIS PROJECT FROM STORM SEWERS AND DRAINAGE STRUCTURES.
13. ALL CURB RADII REFER TO EDGE OF PAVEMENTS.
14. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 48 HOURS PRIOR TO ANY NEW CONSTRUCTION REQUIRING INSPECTION.
15. AREAS OUTSIDE THE R.O.W. LINE OR CONSTRUCTION LIMIT LINE IMPACTED BY OPERATIONS OF THE CONTRACTOR SHALL BE RETURNED TO THE STATE IT WAS FOUND PRIOR TO NEW CONSTRUCTION, EXCEPT WHERE NEW WORK IS SHOWN.
16. ALL TREES SHALL BE PROTECTED FROM DAMAGE TO TRUNKS, BRANCHES AND ROOTS. NO EXCAVATING, FILLING OR GRADING IS TO BE DONE INSIDE THE DRIP LINE OF TREES UNLESS OTHERWISE INDICATED.
17. STREET PAVING AND CURBS TO REMAIN SHALL BE PROTECTED FROM DAMAGE, AND, IF DAMAGED, SHALL BE REPLACED PROMPTLY IN CONFORMANCE WITH LOCAL OR IDOT STANDARD SPECIFICATIONS IN MATERIALS AND WORKMANSHIP.
18. PROVIDE SMOOTH VERTICAL CURVES THROUGH HIGH AND LOW POINTS INDICATED BY SPOT ELEVATIONS. PROVIDE UNIFORM SLOPES BETWEEN NEW AND EXISTING GRADES. AVOID RIDGES AND DEPRESSIONS.
19. PROVIDE TRENCH BACKFILL FOR ALL UTILITY LINES IN OR WITHIN 2 FEET OF PAVED AREAS PER DETAIL ON DRAWING.
20. THE CONTRACTOR SHALL PROVIDE CERTIFICATES OF INSURANCE AS REQUIRED BY THE CITY OF WILMINGTON LISTING AS ADDITIONAL INSURED; THE CITY OF WILMINGTON, JOLIET ARSENAL DEVELOPMENT AUTHORITY, WILL COUNTY, PROLOGIS, AND ESI CONSULTANTS, LTD.
21. CONTRACTOR SHALL MAINTAIN ACCURATE RECORDS OF ALL UNDERGROUND UTILITY CONSTRUCTION AND SUBMIT "RECORD" INFORMATION TO ENGINEER FOR USE IN PREPARING "RECORD DRAWINGS".
22. 10 FEET TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB, GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS, GUTTERS AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
23. THE ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES OF PROPOSED PAVEMENT OR SURFACE COURSE, UNLESS OTHERWISE INDICATED.
24. ROADWAY WIDTHS AND RADIUS ARE GIVEN TO THE EDGE OF PAVEMENT.
25. BUTT JOINTS SHALL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT).
26. THE CONTRACTOR IS REQUIRED TO COORDINATE CONSTRUCTION WITH ADJACENT CONSTRUCTION ACTIVITIES.
27. THE CONTRACTOR SHALL NOT ALLOW HEAVY VEHICLE CONSTRUCTION TRAFFIC ALONG INDIAN TRAIL AND RILEY ROAD AS THEY ARE LOCAL ROADS WITH POSTED WEIGHT RESTRICTIONS.
28. SAW CUT OF PAVEMENT IS INCIDENTAL TO "PAVEMENT REMOVAL" AND "DRIVEWAY PAVEMENT REMOVAL."

CONSTRUCTION NOTES

STORM SEWER NOTES

WHENEVER DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT.

WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS OR CATCH BASINS. HE SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THE SAME. HE SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH SEWERS ARE BUILT AND IN SERVICE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT.

ALL HYDRANTS AND AUXILIARY VALVES, FRAMES, GRATES, LIDS AND BOXES REMOVED FROM EXISTING WATER SERVICE OR SEWER STRUCTURES WHICH ARE TO BE ABANDONED OR ADJUSTED WITH A NEW OR DIFFERENT FRAME AND LID SHALL BE RETURNED TO THE VILLAGE. ALL HYDRANTS TO BE REMOVED SHALL BE REMOVED TO A MINIMUM DEPTH OF 3' FEET BELOW GRADE AND PLUGGED.

OFFSETS AND TOP OF FRAME OR LID ELEVATIONS ON INLETS, MANHOLES, OR CATCH BASINS LOCATE IN THE GUTTER, ARE GIVEN AT THE FLOW LINE. ALL STATIONS ARE GIVEN FROM THE CENTER OF STRUCTURES.

OFFSETS FOR MANHOLES AND CATCH BASINS, NOT LOCATED IN THE GUTTER, ARE GIVEN TO THE CENTER OF THE STRUCTURE. ALL STATIONS ARE GIVEN FROM THE CENTER OF STRUCTURES.

ALL OFFSETS ARE GIVEN FROM THE BASELINE OF CONSTRUCTION.

FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES OF ALL NEW, ADJUSTED OR RECONSTRUCTED STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE, ADJUSTMENT OR RECONSTRUCTION COST.

STORM SEWER SHALL BE BACKFILLED IN ACCORDANCE WITH ARTICLE 550.07 (METHOD 1) OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". ALL TRENCH BACKFILL QUANTITIES FOR STORM SEWER 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, BASED ON INVERT DEPTH FROM EXISTING PAVEMENT. ANY TRENCH BACKFILL REQUIRED IN EXCESS OF THE COMPUTED QUALITY, INCLUDING BEDDING MATERIAL, SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

HALF TRAPS FOR CATCH BASINS SHALL BE OMITTED.

EXISTING STORM SEWER LATERALS SHALL BE CONNECTED TO PROPOSED STORM SEWER IN AREAS WHERE EXISTING STORM SEWER IS TO BE REMOVED. THIS WORK SHALL BE INCIDENTAL TO THE COST OF NEW STORM SEWER.

PRECAST CONCRETE FLAT SLAB TOPS SHALL BE USED WHERE THE REQUIRED VERTICAL DISTANCE IS INSUFFICIENT TO ALLOW MANHOLE OR CATCH BASIN CONE TO BE USED.

WHERE STORM SEWER MAIN HAS A HORIZONTAL SEPARATION OF LESS THAN 10 FEET TO A WATER MAIN, OR HAS A VERTICAL SEPARATION LESS THAN 18 INCHES, THE STORM SEWER PIPE MATERIAL SHALL MEET THE REQUIREMENTS OF THE SECTION 40 AND 41-201 OF THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", EXCEPT THAT ONLY DUCTILE IRON PIPE WILL BE ALLOWED BENEATH PAVEMENTS. THIS PIPE WILL BE INCIDENTAL TO THE COST OF THE NEW STORM SEWER.

ALL STORM SEWER CONNECTIONS WITH PIPES 27 INCH DIAMETER AND SMALLER SHALL BE MADE WITH PRECAST "TEE" OR "WYE" PIPES, FOR PROPOSED STORM SEWER PIPES LARGER THAN 27 INCHES DIA. OPENINGS OF THE SPECIFIED DIAMETER SHALL BE MADE IN THE PIPE AT THE TIME IT IS MANUFACTURED. PRECAST "TEE" AND "WYE" PIPE CONNECTIONS FOR PROPOSED STORM SEWER SHALL BE INCIDENTAL TO THE COST OF NEW STORM SEWER.

PAVEMENT STRUCTURAL DESIGN INFORMATION

ROAD CLASSIFICATION: CLASS I
 STRUCTURAL DESIGN TRAFFIC:
 PV = 16,544 SU = 933 MU = 3,733
 PERCENT OF STRUCTURAL DESIGN TRAFFIC
 P = 50% S = 50% M = 50%
 MINIMUM SUBGRADE SUPPORT RATING: POOR
 FLEXIBLE PAVEMENT DESIGN: MINIMUM TF = 19.27
 (RIGID PAVEMENT DESIGN: MINIMUM TF = 27.36)

GENERAL NOTES

SCALE: SHEET NO. OF SHEETS STA. TO STA. FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

ESI CONSULTANTS, LTD
 1979 N. MILL STREET SUITE 100
 NAPERVILLE, IL 60563
 (630) 420-1700
 WWW.ESICONSULTANTS.LTD.COM
 ILLINOIS DEPARTMENT OF PROFESSIONAL REGULATION REGISTRATION #184-003686

DESIGNED - JRS	REVISED -
DRAWN - DJN	REVISED
CHECKED - MAR	REVISED -
DATE - 6/16/2008	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	2
CONTRACT NO. 63066				

6/16/2008 K&BProjects\Joliet Arsenal Development Authority\South Arsenal Road_East\CAD\SHY02 CH.01.sht

6/16/2008 Right of Way South Arsenal Development Authority South Arsenal Road, East of I-55, Station 03 SO_01.sht

ITEM NO.	ITEM	UNITS	TOTAL 1000-2A
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	845
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	1139
20200100	EARTH EXCAVATION	CU YD	11508
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	7986
20700420	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	7986
20800150	TRENCH BACKFILL	CU YD	7467
XX001755	GEOTEXTILE FABRIC, SPECIAL	SQ YD	33652
21101505	TOPSOIL, EXCAVATION AND PLACEMENT	CU YD	14684
25000210	SEEDING, CLASS 2A	ACRE	5.5
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	495
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	495
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	495
25002300	TEMPORARY SEEDING	ACRE	5.5
25100630	EROSION CONTROL BLANKET	SQ YD	26761
28000300	TEMPORARY DITCH CHECKS	EACH	42
28000400	PERIMETER EROSION BARRIER	FOOT	12336
28000500	INLET AND PIPE PROTECTION	EACH	50
35600716	HOT-MIX ASPHALT BASE COURSE WIDENING, 10"	SQ YD	672
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	9278
40600300	AGGREGATE (PRIME COAT)	TON	53
40600982	HOT-MIX ASPHALT SURFACE REMOVAL- BUTT JOINT	SQ YD	64
40603240	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N80	TON	11191
44000100	PAVEMENT REMOVAL	SQ YD	13968
44000153	HOT-MIX ASPHALT SURFACE REMOVAL, 1"	SQ YD	761
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	153
44004250	PAVED SHOULDER REMOVAL	SQ YD	438
48101600	AGGREGATE SHOULDERS, TYPE B, 8"	SQ YD	1486
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	59
48203037	HOT-MIX ASPHALT SHOULDERS, 10"	SQ YD	2786
54000900	BOX CULVERT END SECTION, SPECIAL	EACH	2
54010202	PRECAST CONCRETE BOX CULVERT 2' X 2'	FOOT	192
542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	62
54200637	PIPE CULVERTS, TYPE 1, CORRUGATED STEEL CULVERT PIPE, 12"	FOOT	125
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	2
54215547	METAL END SECTIONS, 12"	EACH	8
54247110	GRATING FOR CONCRETE FLARED END SECTION 18"	EACH	2
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	525
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	638
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	459
550A0400	STORM SEWERS, CLASS A, TYPE 2 21"	FOOT	3424
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	1098
60107700	PIPE UNDERDRAINS 6"	FOOT	148
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	39

ITEM NO.	ITEM	UNITS	TOTAL 1000-2A
60236200	INLETS, TYPE A, TYPE 6 GRATE	EACH	1
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	44
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	4
60605000	COMBINATION CONCRETE CURB & GUTTER, TYPE B-6 24	FOOT	6673
* 63000000	STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	100
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT)	EACH	2
66700095	PERMANENT SURVEY MARKERS	EACH	2
67000400	ENGINEERS FIELD OFFICE, TYPE A	CAL MO	10
67100100	MOBILIZATION	L SUM	1
70101800	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	LS	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	2419
70300210	TEMPORARY PAVEMENT MARKING- LETTERS AND SYMBOLS	SQ FT	146
70300220	TEMPORARY PAVEMENT MARKING LINE 4"	FOOT	67972
70300240	TEMPORARY PAVEMENT MARKING LINE 6"	FOOT	580
70300260	TEMPORARY PAVEMENT MARKING LINE 12"	FOOT	1670
70300280	TEMPORARY PAVEMENT MARKING LINE 24"	FOOT	46
* 72000100	SIGN PANEL- TYPE 1	SQ FT	25
* 72900100	METAL POST- TYPE A	FOOT	40
* 78000100	THERMOPLASTIC PAVEMENT MARKING-LETTERS AND SYMBOLS	SQ FT	73
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	33986
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	290
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	835
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	23
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	368
* 78201000	TERMINAL MARKER- DIRECT APPLIED	EACH	2
78300105	PAVEMENT MARKING REMOVAL	FOOT	2640
X0300894	PIPE CULVERT REMOVAL 18"	FOOT	114
X0301865	PIPE CULVERT REMOVAL 24"	FOOT	71
X0326147	CONCRETE COLLAR, SPECIAL	EACH	1
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	51.4
X0448400	PIPE CULVERT REMOVAL 12"	FOOT	69
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	3
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	1
X4066580	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80	TON	3566
X4066885	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80	TON	3439
Z0001050	AGGREGATE SUBGRADE, 12"	SQ YD	32319
Z0013798	CONSTRUCTION LAYOUT	L SUM	1
Z0076600	TRAINEES	HOUR	2000
XX003428	PIPE CULVERT REMOVAL 36"	FOOT	79
X0324685	TEST STRIP (STONE MATRIX ASPHALT)	EACH	2
A0600894	CONSTRUCTING TEST STRIP	EACH	1

* SPECIALTY ITEMS

DISTRICT ONE STANDARD DETAILS

- BD-02 DRIVEWAY DETAILS- DISTANCE BETWEEN ROW AND FACE OF CURB < 4.5 M (15')
- BD-03 OUTLET FOR CONCRETE CURB AND GUTTER
- BD-32 BUTT JOINT AND HMA TAPER DETAILS
- BD-34 STEEL PLATE BEAM GUARDRAIL ADJACENT TO CURB AND GUTTER AND STABILIZATION AT TBT TY. 1 SPECIAL
- TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
- TC-11 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
- TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS
- TC-22 ARTERIAL ROAD INFORMATION SIGN

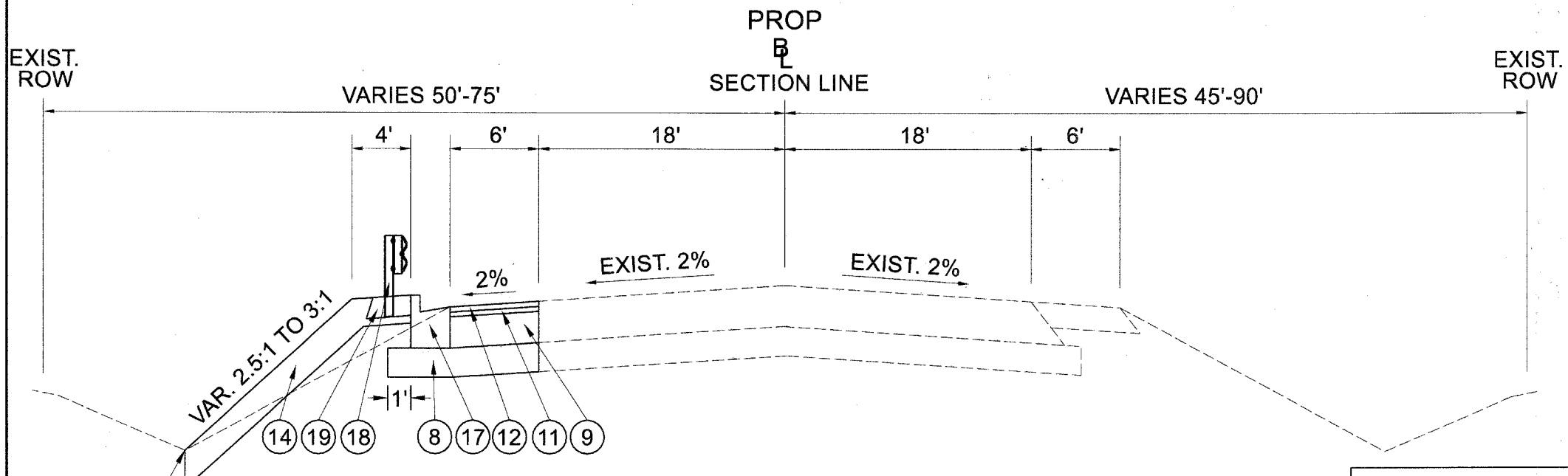
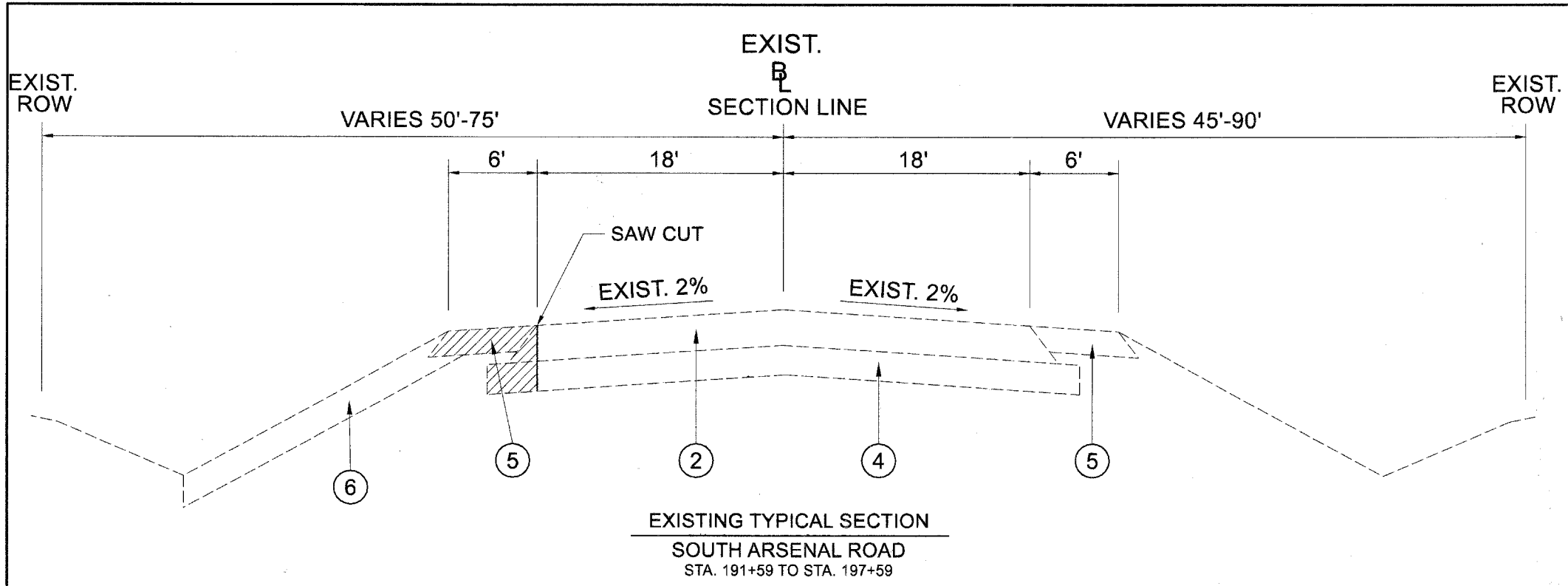
LIST OF STATE STANDARDS

- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 280001-04 TEMPORARY EROSION CONTROL SYSTEMS
- 482001-02 HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
- 542301-01 PRECAST REINFORCED CONCRETE FLARED END SECTION
- 601001-02 SUB-SURFACE DRAINS
- 601101 CONCRETE HEADWALL FOR PIPE DRAIN
- 602301-01 INLET, TYPE A
- 602401-01 MANHOLE, TYPE A
- 604001-02 FRAME AND LIDS, TYPE 1
- 604036-01 GRATE TYPE B
- 604091-01 FRAME AND GRATE, TYPE 24
- 606006-01 OUTLETS FIR CONC. CURB AND GUTTER B-6.24
- 630001-07 STEEL PLATE BEAM GUARDRAIL
- 635006-02 REFLECTOR AND TERMINAL MARKER PLACEMENT
- 667101 PERMANENT SURVEY MARKERS
- 701901 TRAFFIC CONTROL DEVICES
- 720001 SIGN PANEL MOUNTING DETAILS
- 720006-01 SIGN PANEL ERECTION DETAILS
- 729001 APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS AND MARKERS)

EARTHWORK SCHEDULE

1	2	3	4	5	6
STA. TO STA.	EARTH EXCAVATION (CU. YD)	EMBANKMENT (CU. YD.)	EARTH EX ADJUSTMENT FOR SHRINKAGE (CU. YD.)	EARTHWORK BALANCE (CU. YD.)	TOPSOIL, EXCAVATION AND PLACEMENT (CU. YD.)
191+59 TO 195+00	73.3	269.0	54.9	-214.1	350.7
195+00 TO 201+00	1176.5	489.5	882.4	392.8	1332.4
201+00 TO 207+00	1115.2	491.2	836.4	345.2	1250.7
207+00 TO 213+00	1288.7	320.7	966.5	645.8	1419.7
213+00 TO 219+00	956.3	360.0	717.2	357.2	1391.5
219+00 TO 225+00	678.2	708.7	508.7	-200.0	1377.5
225+00 TO 231+00	843.0	614.1	632.3	18.2	1385.8
231+00 TO 237+00	1067.6	761.7	800.7	39.0	1183.4
237+00 TO 243+00	2713.5	209.0	2035.1	1826.1	1365.2
243+00 TO 249+00	436.2	875.3	327.1	-548.2	1362.6
249+00 TO 255+00	487.1	498.5	365.3	-133.2	1335.8
255+00 TO 258+09	581.3	90.4	436.0	345.6	660.5
OLD CHICAGO RD.	91.0	0.0	68.3	68.3	268.0
TOTAL	11508	5688	8631	2874	14684

- 2. CUT QUANTITIES FROM CROSS SECTIONS
- 3. FILL QUANTITIES FROM CROSS SECTIONS
- 4. EARTH EXCAVATION * 75% = ADJ. FOR SHRINKAGE
- 5. ADJUSTMENT FOR SHRINKAGE - EMBANKMENT
- 6. TOPSOIL QUANTITIES FROM CROSS SECTIONS



- LEGEND**
- ① EXISTING CHIP AND SEAL (6")
 - ② EXISTING BITUMINOUS PAVEMENT (14")
 - ③ EXISTING AGGREGATE SHOULDERS
 - ④ EXISTING AGGREGATE SUBGRADE
 - ⑤ EXISTING BITUMINOUS SHOULDERS
 - ⑥ TOPSOIL EXCAVATION, 12"
 - ⑦ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 1"
 - ⑧ PROPOSED AGGREGATE SUB-GRADE, 12"
 - ⑨ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 10" (3 LIFTS)
 - ⑩ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL - 19.0, N90, 8" (3 LIFTS)
 - ⑪ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80, 2"
 - ⑫ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80, 2"
 - ⑬ PROPOSED AGGREGATE SHOULDER TYPE B, 8"
 - ⑭ PROPOSED TOPSOIL PLACEMENT, 12" AND SEEDING, CLASS 2A
 - ⑮ PROPOSED GEOTEXTILE FABRIC
 - ⑯ PROPOSED HOT-MIX ASPHALT SHOULDER, 10"
 - ⑰ PROPOSED COMBINATION CURB AND GUTTER, TYPE B-6.24
 - ⑱ PROPOSED STEEL PLATE BEAM GUARDRAIL, TYPE A AND BITUMINOUS SHOULDER STABILIZATION (FROM STA. 193+85 TO STA. 195+52)
 - ⑲ PROPOSED HOT-MIX ASPHALT SHOULDER, 6"
- REMOVAL ITEM

NOTES

POUROUS GRANULAR EMBANKMENT SUBGRADE (PGES) HAS BEEN PROVIDED AT LOCATIONS FOR SOILS WHICH TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD BY THE ENGINEER. IF UNSTABLE SOILS ARE ENCOUNTERED THE SOILS SHALL BE REMOVED AND REPLACED WITH PGES. IF UNSTABLE SOIL IS NOT ENCOUNTERED, THEN THE QUANTITY WILL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR.

HOT-MIX ASPHALT MIX REQUIREMENTS			
USE	ITEM	AC TYPE	VOID
ROADWAY	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80, 2"	SBS PG 76-28/-22	4% @ 80 GYR
	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80, 2"	SBS PG 76-28/-22	4% @ 80 GYR
	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N 90, 6" AND 8"	SBR/SBS PG 70-22	4% @ 90 GYR
	HOT-MIX ASPHALT BASE COURSE WIDENING, (HMA BINDER IL-19.0), 10"	SBR/SBS PG 70-22	4% @ 90 GYR
SHOULDERS	HOT-MIX ASPHALT SHOULDER, 6" AND 10"	PG 64-22 *	2% @ 30 GYR

NOTES:

1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT MIXTURE QUANTITIES IS 112 LBS/SQ YD/INCH

2. THE UNIT WEIGHT USED TO CALCULATE ALL STONE MATRIX ASPHALT MIXTURE QUANTITIES IS 135 LBS/SQ YD/INCH

* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22

6/16/2008 R:\Projects\080610\080610_South Arsenal Development Authority\South Arsenal Road\East\CAD\080610_04 SEC-01.dwg

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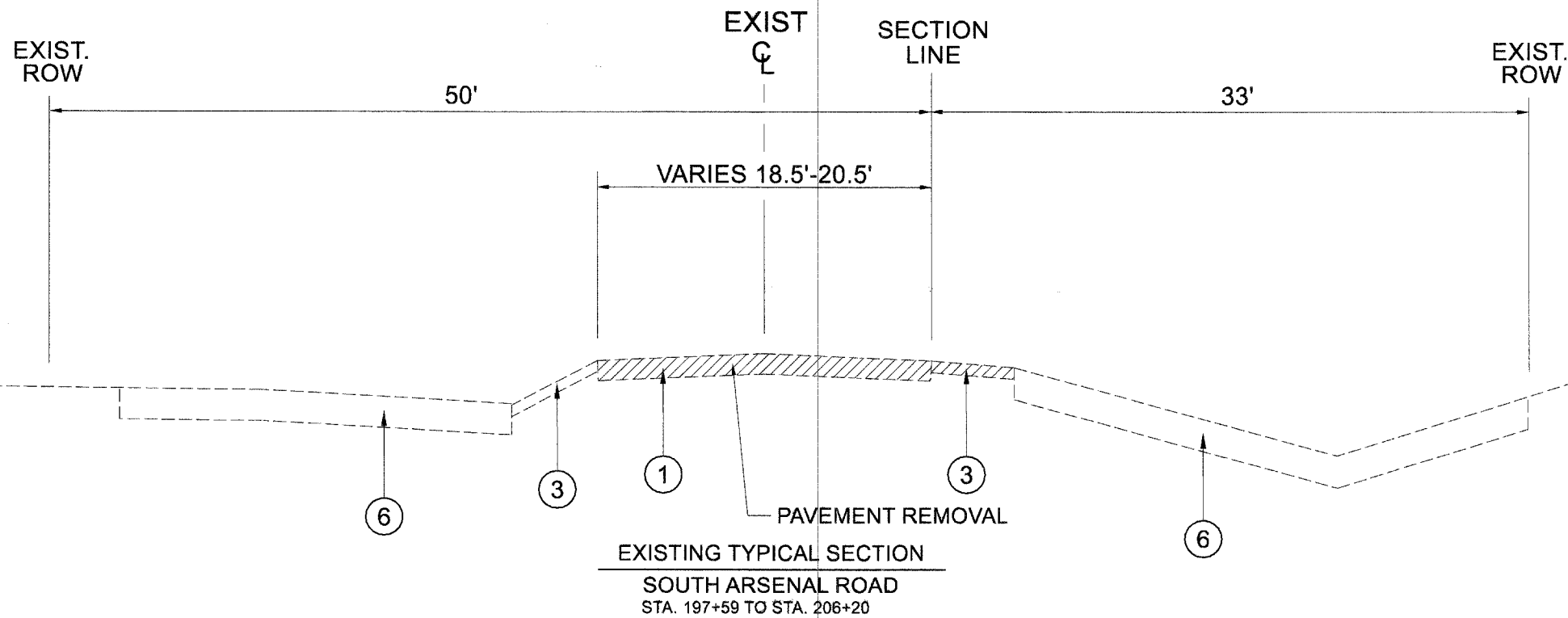
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DEPARTMENT OF TRANSPORTATION

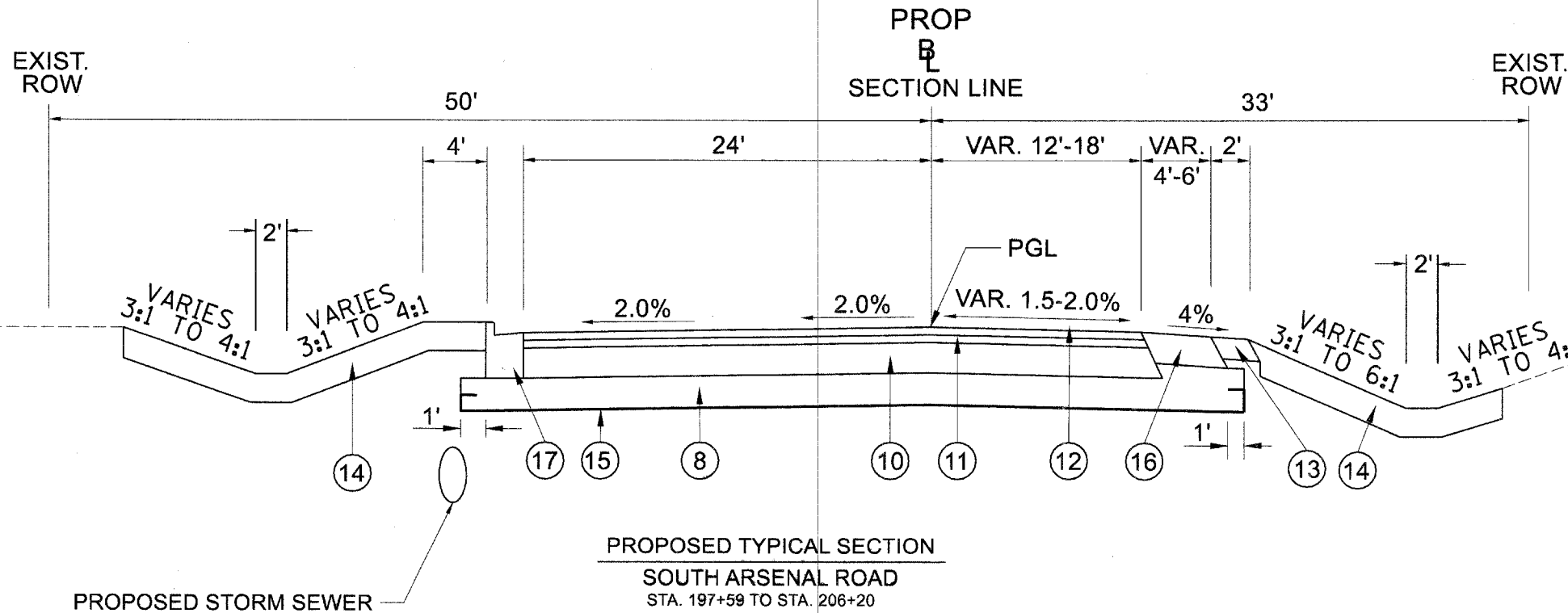
TYPICAL SECTION

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	4
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 63066				



EXISTING TYPICAL SECTION
SOUTH ARSENAL ROAD
STA. 197+59 TO STA. 206+20



PROPOSED TYPICAL SECTION
SOUTH ARSENAL ROAD
STA. 197+59 TO STA. 206+20

- LEGEND**
- ① EXISTING CHIP AND SEAL (6")
 - ② EXISTING BITUMINOUS PAVEMENT (14")
 - ③ EXISTING AGGREGATE SHOULDERS
 - ④ EXISTING AGGREGATE SUBGRADE
 - ⑤ EXISTING BITUMINOUS SHOULDERS
 - ⑥ TOPSOIL EXCAVATION, 12"
 - ⑦ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 1"
 - ⑧ PROPOSED AGGREGATE SUB-GRADE, 12"
 - ⑨ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 10" (3 LIFTS)
 - ⑩ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL - 19.0, N90, 8" (3 LIFTS)
 - ⑪ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80, 2"
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 - ⑬ PROPOSED AGGREGATE SHOULDER TYPE B, 8"
 - ⑭ PROPOSED TOPSOIL PLACEMENT, 12" AND SEEDING, CLASS 2A
 - ⑮ PROPOSED GEOTEXTILE FABRIC
 - ⑯ PROPOSED HOT-MIX ASPHALT SHOULDER, 10"
 - ⑰ PROPOSED COMBINATION CURB AND GUTTER, TYPE B-6.24
 - ⑱ PROPOSED STEEL PLATE BEAM GUARDRAIL, TYPE A AND BITUMINOUS SHOULDER STABILIZATION (FROM STA. 193+85 TO STA. 195+52)
 - ⑲ PROPOSED HOT-MIX ASPHALT SHOULDER, 6"



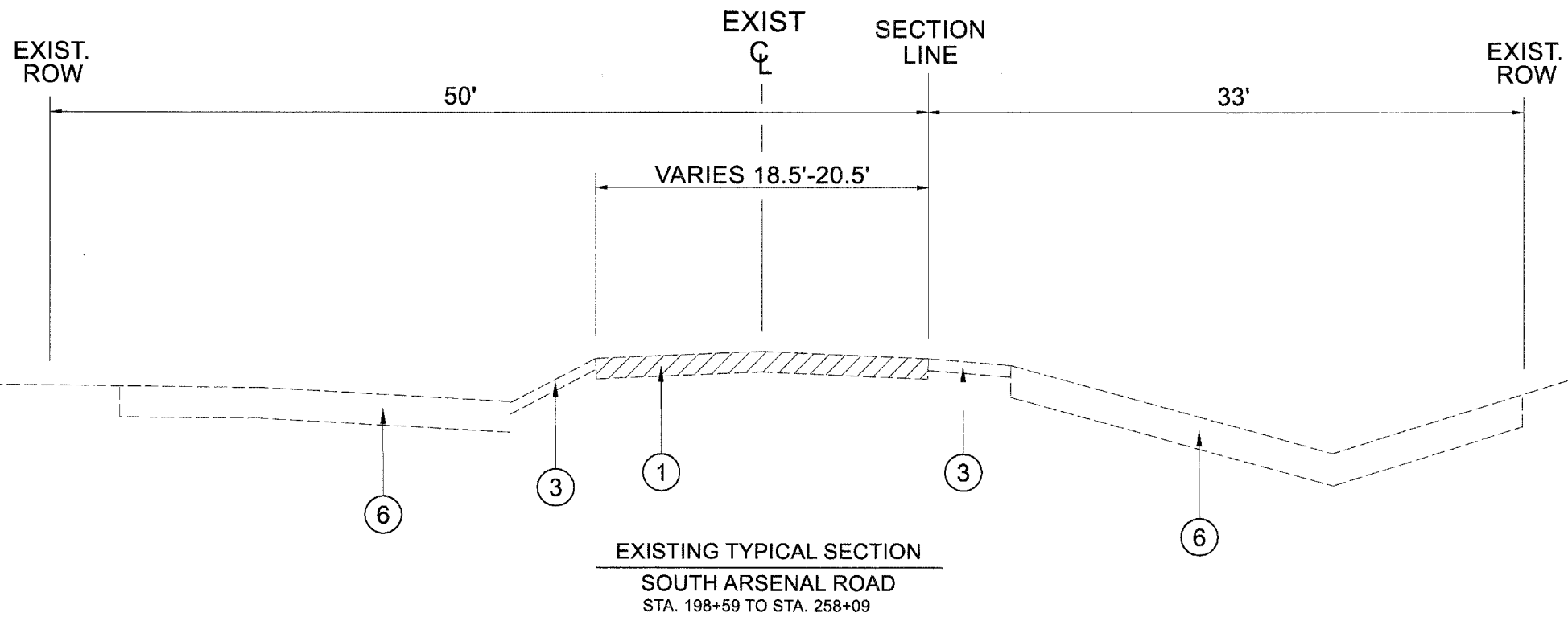
NOTES

POUROUS GRANULAR EMBANKMENT SUBGRADE (PGES) HAS BEEN PROVIDED AT LOCATIONS FOR SOILS WHICH TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD BY THE ENGINEER. IF UNSTABLE SOILS ARE ENCOUNTERED THE SOILS SHALL BE REMOVED AND REPLACED WITH PGES. IF UNSTABLE SOIL IS NOT ENCOUNTERED, THEN THE QUANTITY WILL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR.

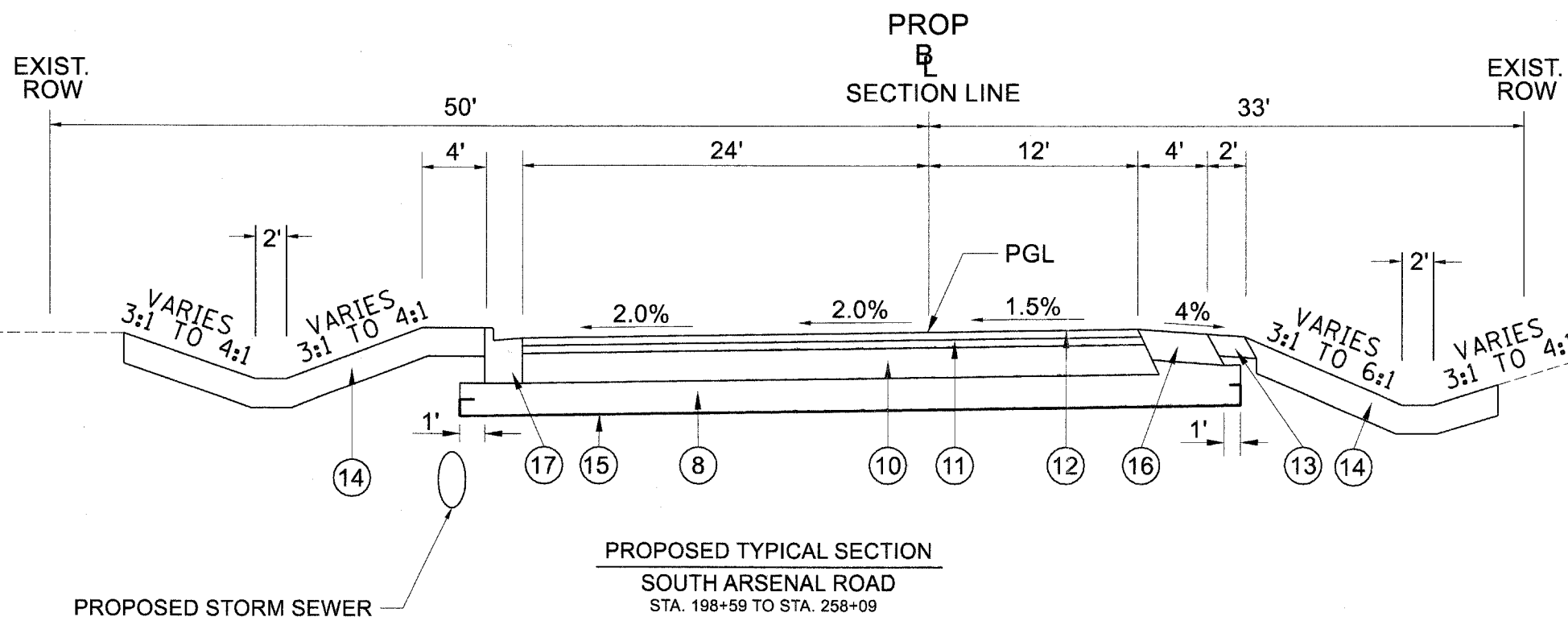
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DATE - 6/16/2008	REVISED -

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	5
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 63066				



EXISTING TYPICAL SECTION
SOUTH ARSENAL ROAD
STA. 198+59 TO STA. 258+09



PROPOSED TYPICAL SECTION
SOUTH ARSENAL ROAD
STA. 198+59 TO STA. 258+09

- LEGEND**
- ① EXISTING CHIP AND SEAL (6")
 - ② EXISTING BITUMINOUS PAVEMENT (14")
 - ③ EXISTING AGGREGATE SHOULDERS
 - ④ EXISTING AGGREGATE SUBGRADE
 - ⑤ EXISTING BITUMINOUS SHOULDERS
 - ⑥ TOPSOIL EXCAVATION, 12"
 - ⑦ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 1"
 - ⑧ PROPOSED AGGREGATE SUB-GRADE, 12"
 - ⑨ PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 10" (3 LIFTS)
 - ⑩ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL - 19.0, N90, 8" (3 LIFTS)
 - ⑪ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80, 2"
 - ⑫ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80, 2"
 - ⑬ PROPOSED AGGREGATE SHOULDER TYPE B, 8"
 - ⑭ PROPOSED TOPSOIL PLACEMENT, 12" AND SEEDING, CLASS 2A
 - ⑮ PROPOSED GEOTEXTILE FABRIC
 - ⑯ PROPOSED HOT-MIX ASPHALT SHOULDER, 10"
 - ⑰ PROPOSED COMBINATION CURB AND GUTTER, TYPE B-6.24
 - ⑱ PROPOSED STEEL PLATE BEAM GUARDRAIL, TYPE A AND BITUMINOUS SHOULDER STABILIZATION (FROM STA. 193+85 TO STA. 195+52)
 - ⑲ PROPOSED HOT-MIX ASPHALT SHOULDER, 6"

REMOVAL ITEM

NOTES

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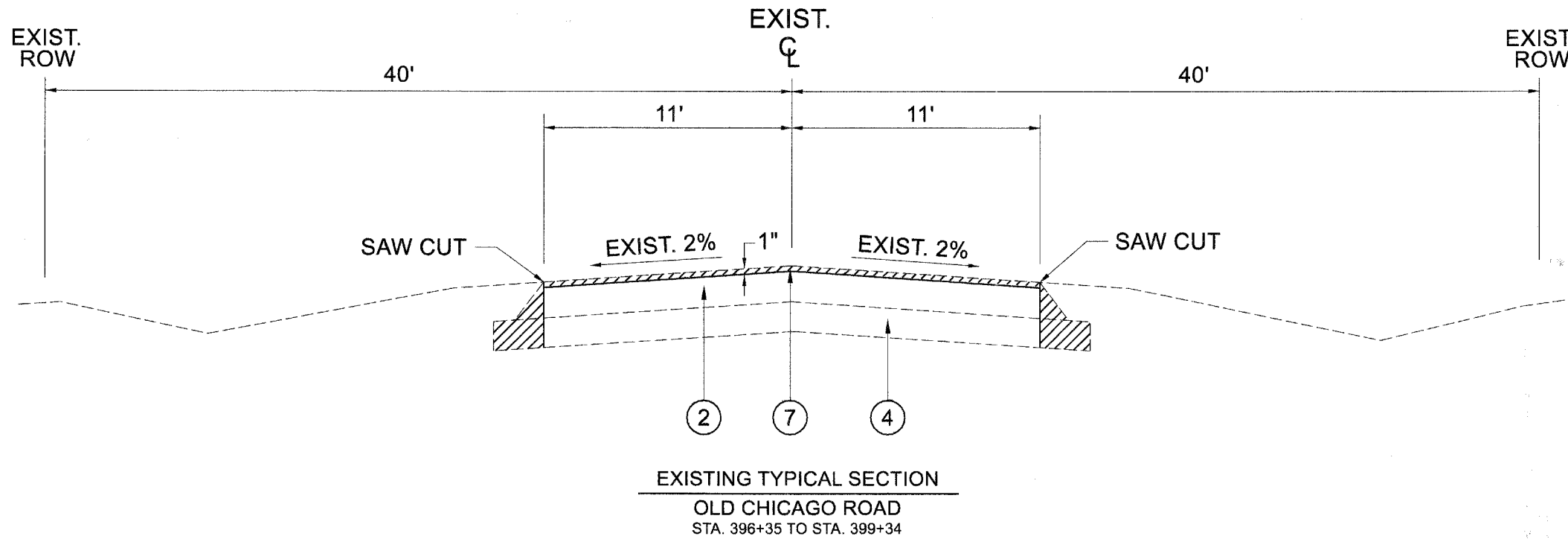
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DATE - 6/16/2008	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

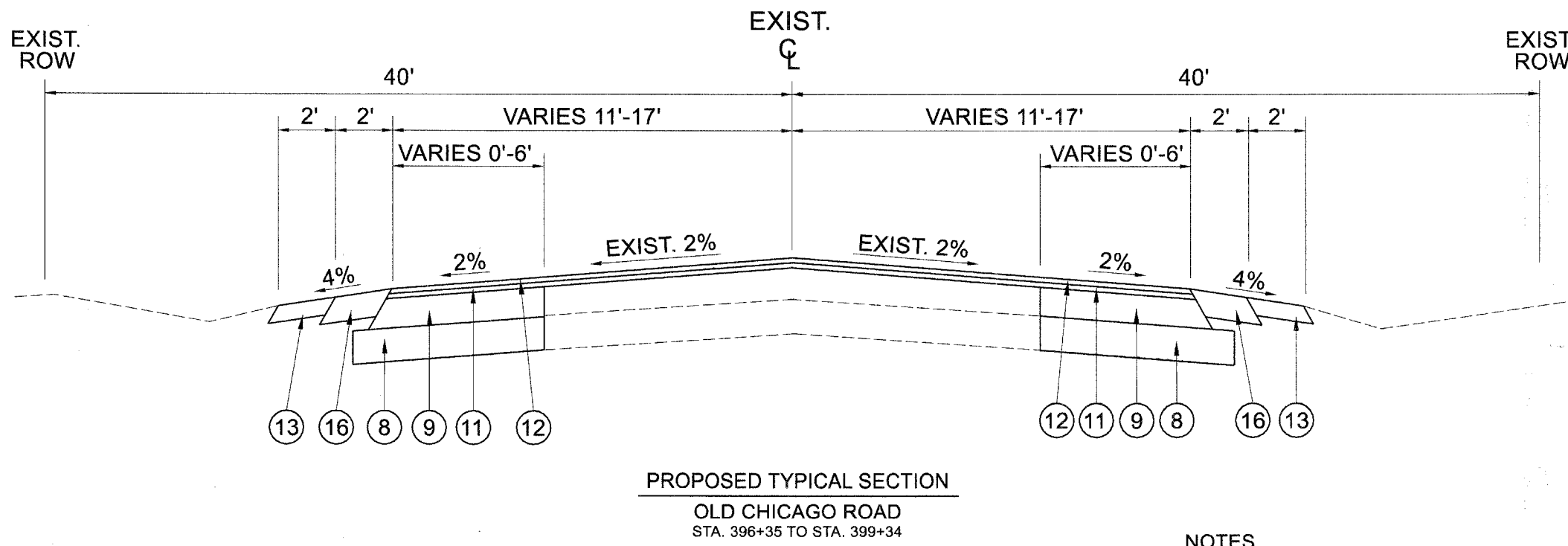
TYPICAL SECTION

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	6
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 63066				



EXISTING TYPICAL SECTION
 OLD CHICAGO ROAD
 STA. 396+35 TO STA. 399+34



PROPOSED TYPICAL SECTION
 OLD CHICAGO ROAD
 STA. 396+35 TO STA. 399+34

LEGEND

- ① EXISTING CHIP AND SEAL (6")
- ② EXISTING BITUMINOUS PAVEMENT (14")
- ③ EXISTING AGGREGATE SHOULDERS
- ④ EXISTING AGGREGATE SUBGRADE
- ⑤ EXISTING BITUMINOUS SHOULDERS
- ⑥ TOPSOIL EXCAVATION, 12"
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- ⑲ PROPOSED HOT-MIX ASPHALT SHOULDER, 6"



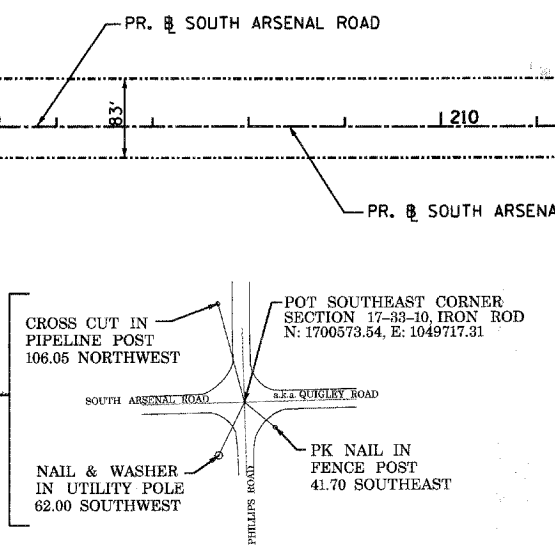
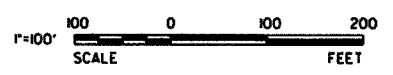
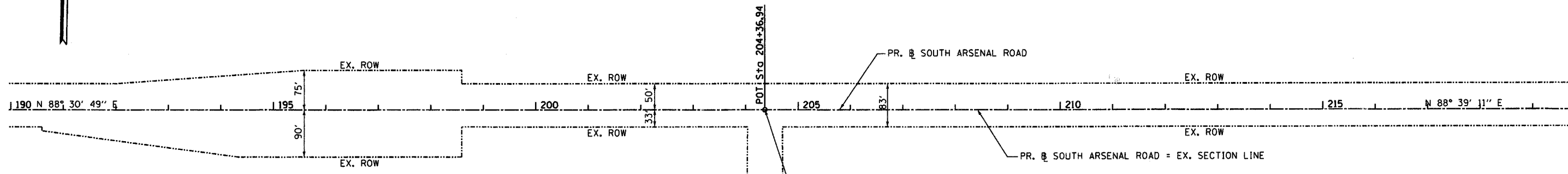
NOTES

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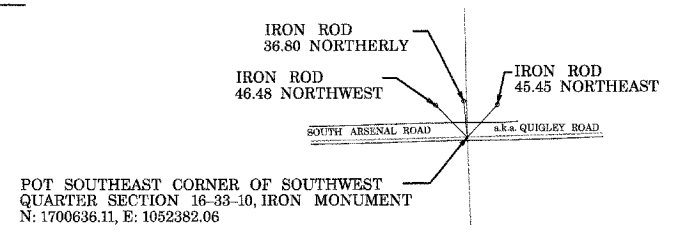
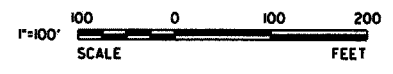
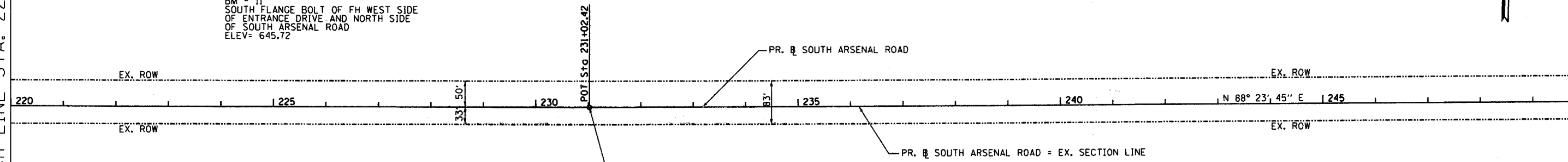
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DRAWN - DJN	REVISED -
CHECKED - MAR	REVISED -
DATE - 6/16/2008	REVISED -

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	7
CONTRACT NO. 63066				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 220+00

- BENCHMARKS**
- BM #8
SPIKE IN UTILITY POLE AT 20221
SOUTH ARSENAL ROAD
ELEV= 606.20
 - BM #9
SPIKE IN SECOND UTILITY POLE WEST
OF 200TH AVE., SOUTH SIDE SOUTH
ARSENAL ROAD
ELEV= 613.30
 - BM #10
SPIKE IN TREE
ELEV= 626.35
 - BM # 11
SOUTH FLANGE BOLT OF FH WEST SIDE
OF ENTRANCE DRIVE AND NORTH SIDE
OF SOUTH ARSENAL ROAD
ELEV= 645.72



MATCH LINE STA. 220+00

MATCH LINE STA. 250+00

6/16/2008 8:48 PM Project: Joliet Arsenal Development Authority\South Arsenal Road\ESR\CD\Drawings\08 ALGN.Laht

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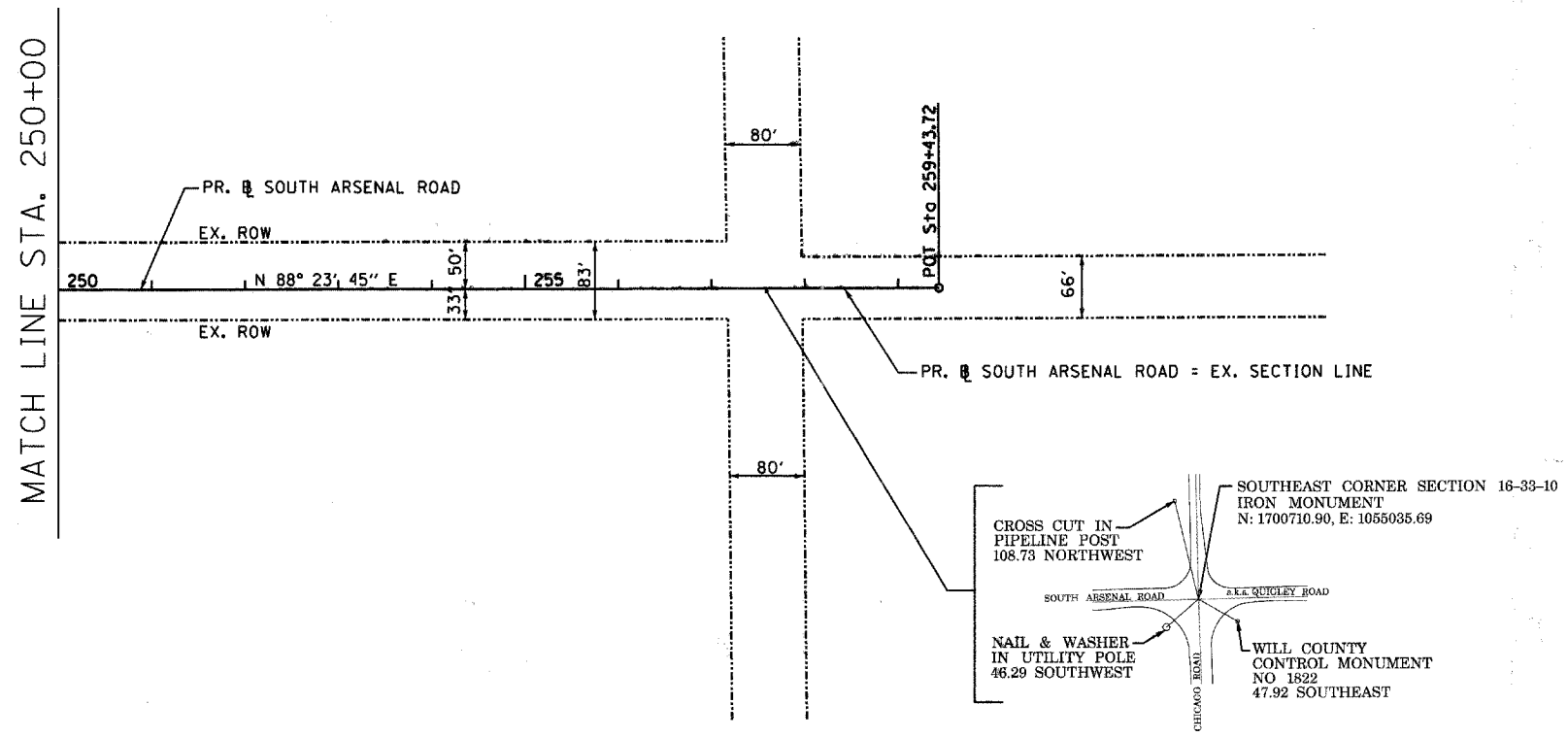
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ALIGNMENT AND TIES

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	8
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 63066				

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BENCHMARKS

BM #12
TOP OF IRON ROD 42' NORTH OF
SOUTH ARSENAL ROAD 1073' WEST
OF OLD CHICAGO ROAD
ELEV= 642.40




WILL COUNTY CONTROL MONUMENT 1822
PROJECT BASE POINT
ELEV= 639.35 NAVD 88

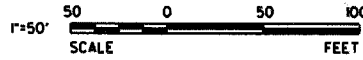
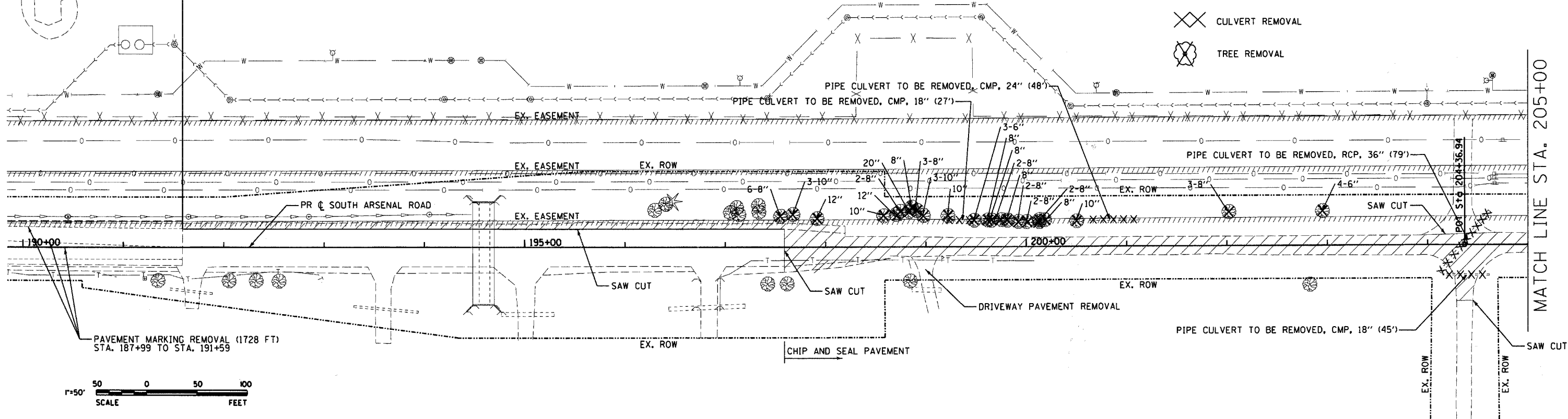
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	9
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63066	

PROJECT LIMIT
STA 191+59

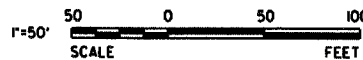
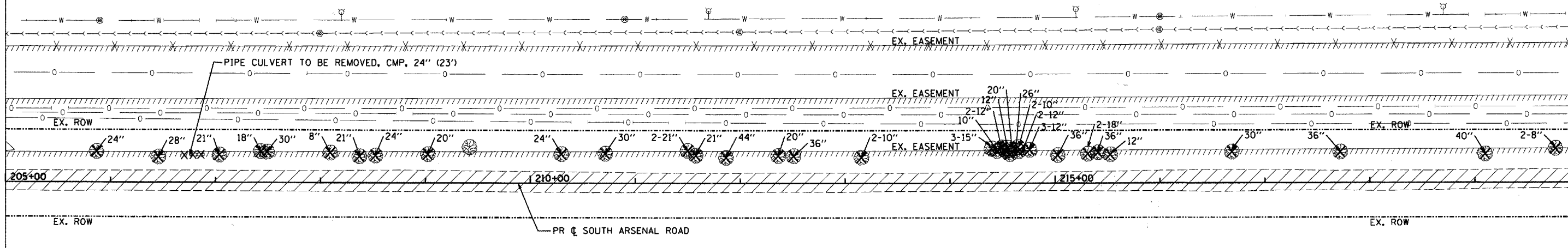
REMOVAL LEGEND

-  PAVEMENT REMOVAL
-  CULVERT REMOVAL
-  TREE REMOVAL






MATCH LINE STA. 205+00

MATCH LINE STA. 205+00



REMOVAL LEGEND

-  PAVEMENT REMOVAL
-  CULVERT REMOVAL
-  TREE REMOVAL

MATCH LINE STA. 220+00

6/16/2008

Right of Way Consultant Authority South Arsenal Road East CAD@ESI10 EX. 01.sht

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DATE - 6/16/2008	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

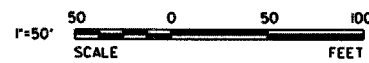
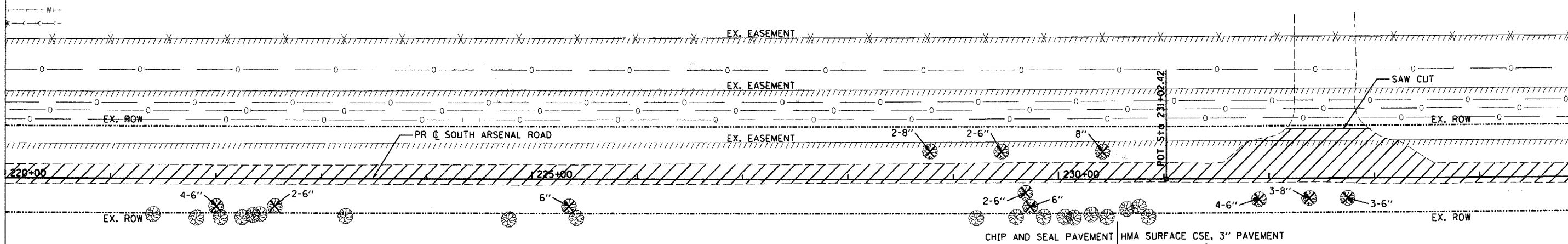
REMOVAL PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	10
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63066	

MATCH LINE STA. 220+00

MATCH LINE STA. 235+00

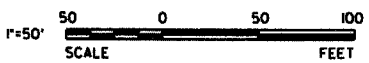
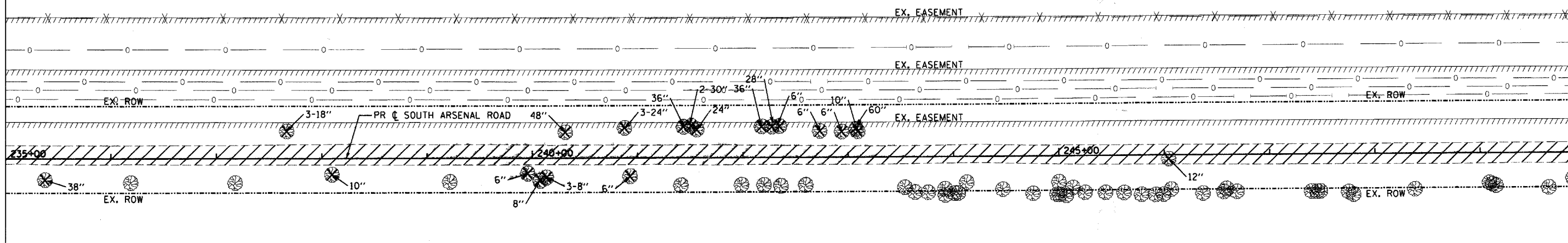


REMOVAL LEGEND

- PAVEMENT REMOVAL
- CULVERT REMOVAL
- TREE REMOVAL

MATCH LINE STA. 235+00

MATCH LINE STA. 250+00



REMOVAL LEGEND

- PAVEMENT REMOVAL
- CULVERT REMOVAL
- TREE REMOVAL

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CHECKED - MAR	REVISED -
DATE - 6/16/2008	REVISED -

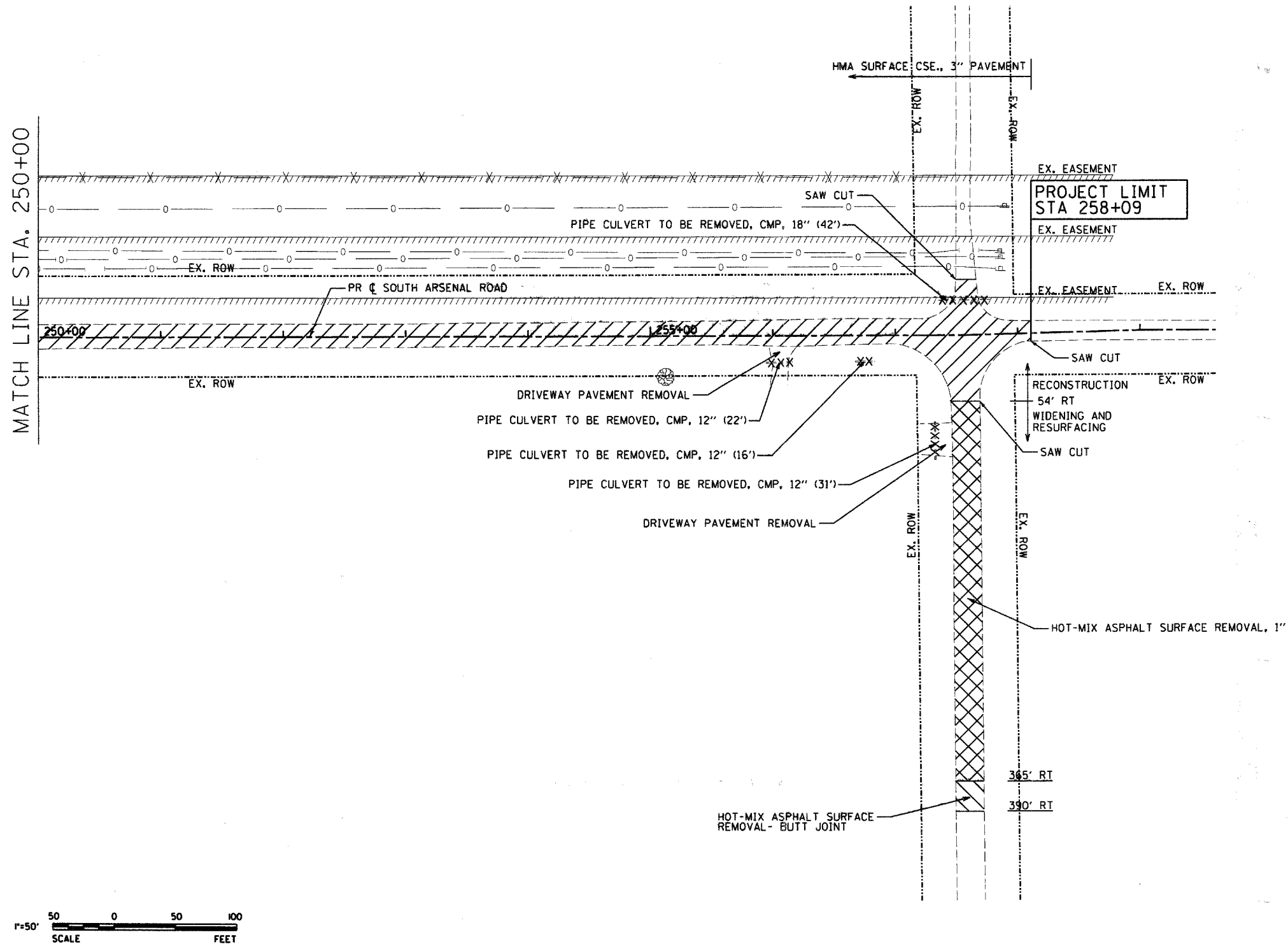
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN




SCALE: 1"=50' SHEET NO. OF SHEETS STA. 220+00 TO STA. 250+00

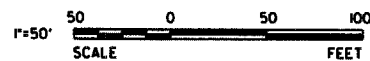
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	11
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 63066				

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REMOVAL LEGEND

-  PAVEMENT REMOVAL
-  CULVERT REMOVAL
-  TREE REMOVAL



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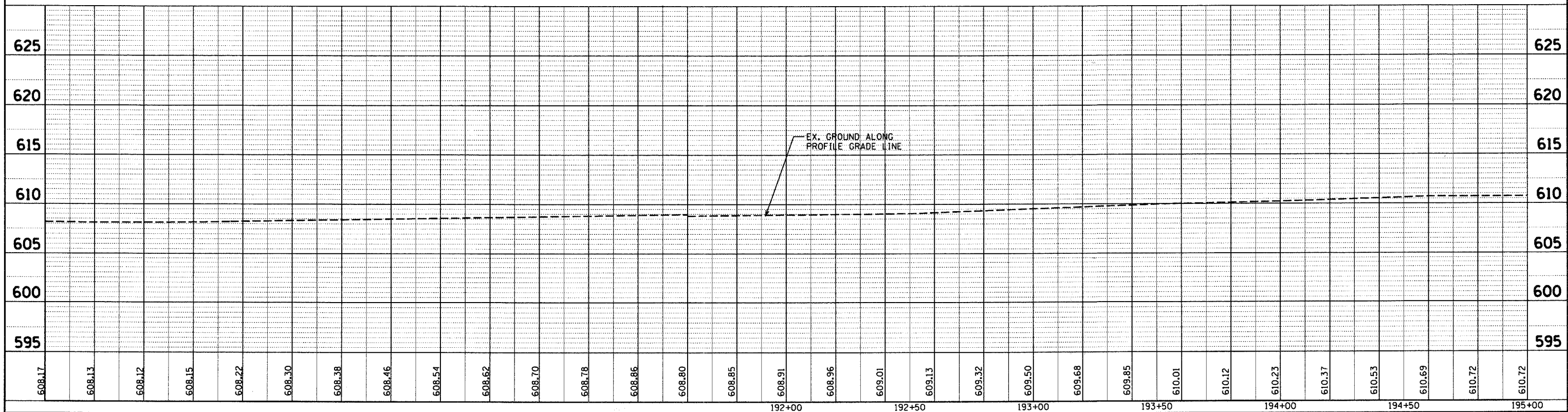
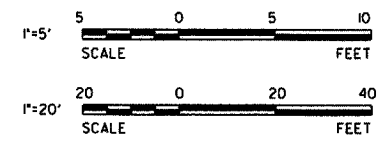
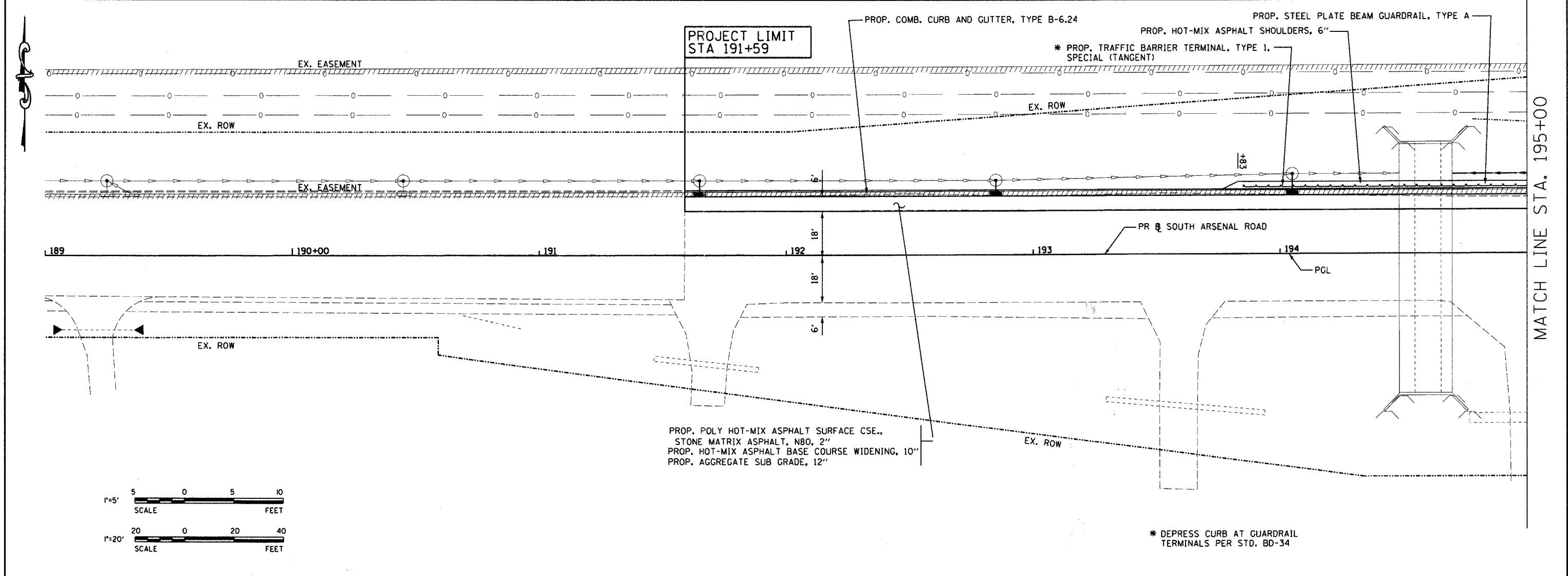
DESIGNED - JRS	REVISED -
DRAWN - DJN	REVISED -
CHECKED - MAR	REVISED -
DATE - 6/16/2008	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

REMOVAL PLAN

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 250+00 TO STA. 258+09

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	12
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63066	



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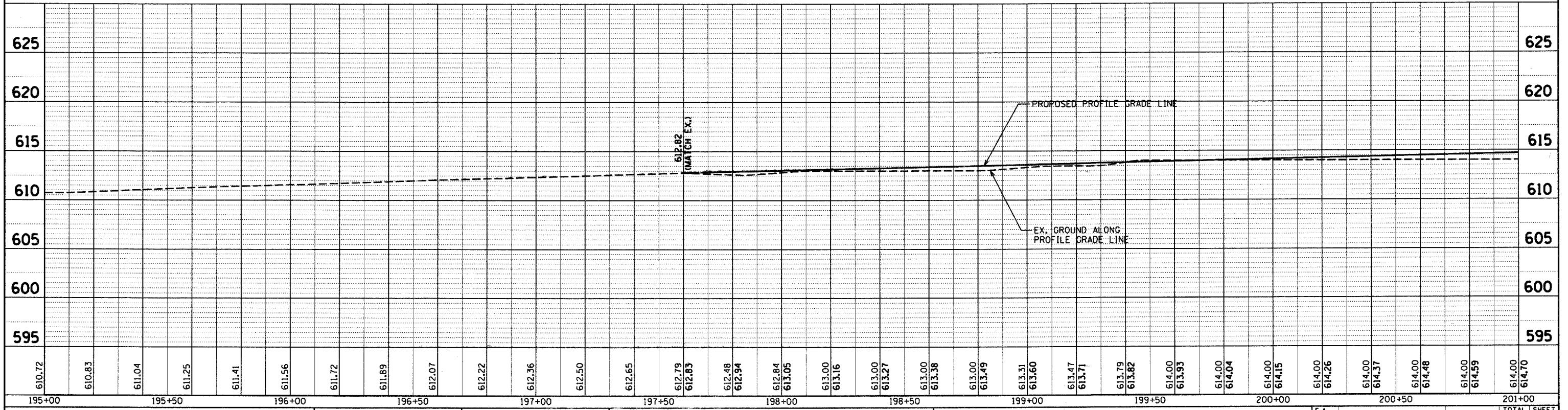
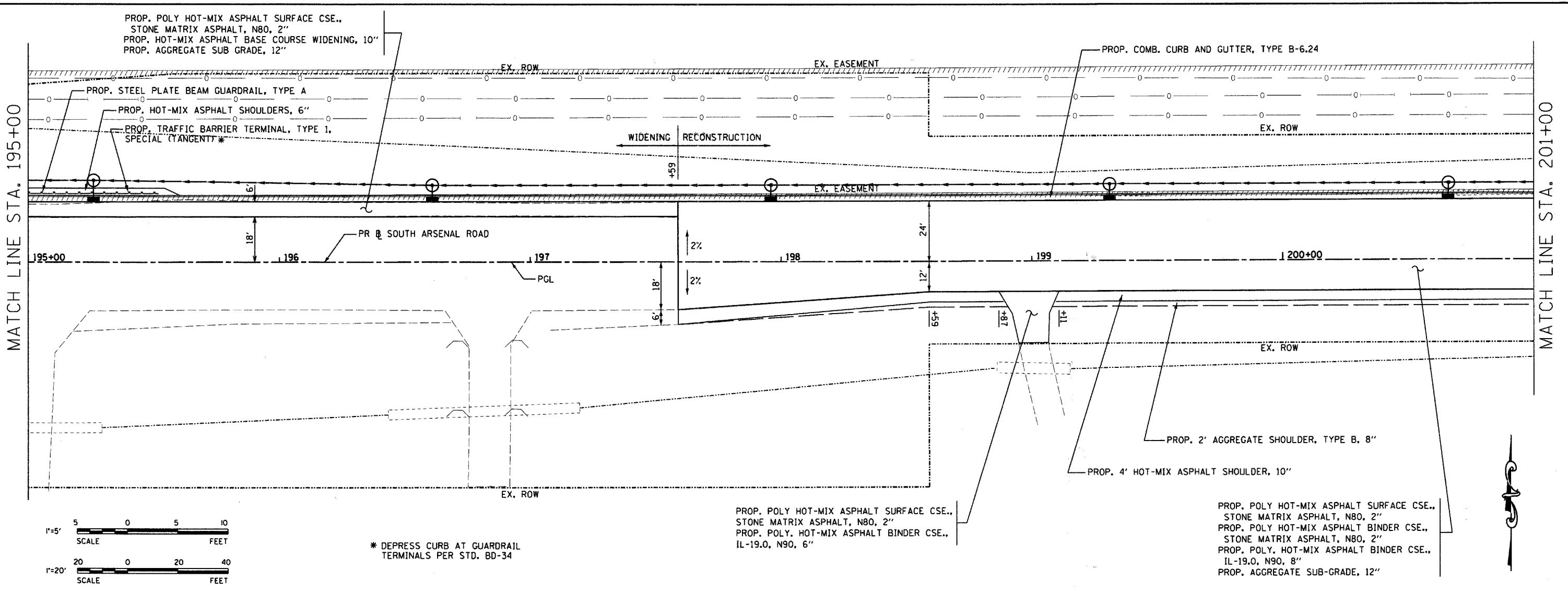
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DRAWN - DJN	REVISED -
CHECKED - MAR	REVISED -
DATE - 6/16/2008	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE

SCALE: 1" = 20' SHEET NO. OF SHEETS STA. 189+00 TO STA. 195+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	13
CONTRACT NO. 63066				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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 DATE - 6/16/2008

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 DEPARTMENT OF TRANSPORTATION

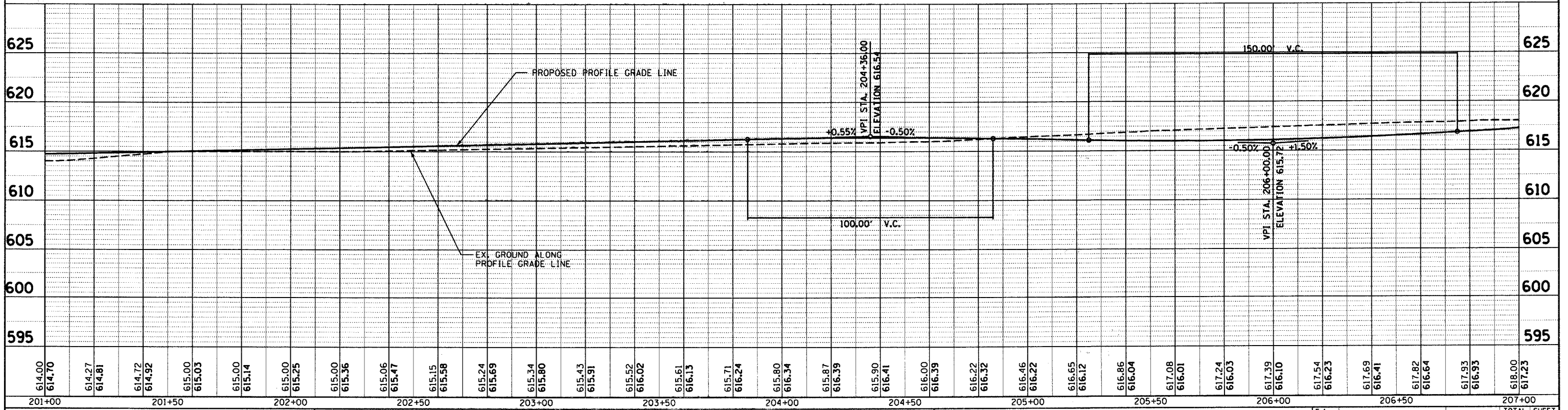
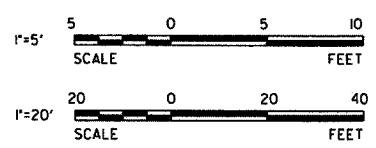
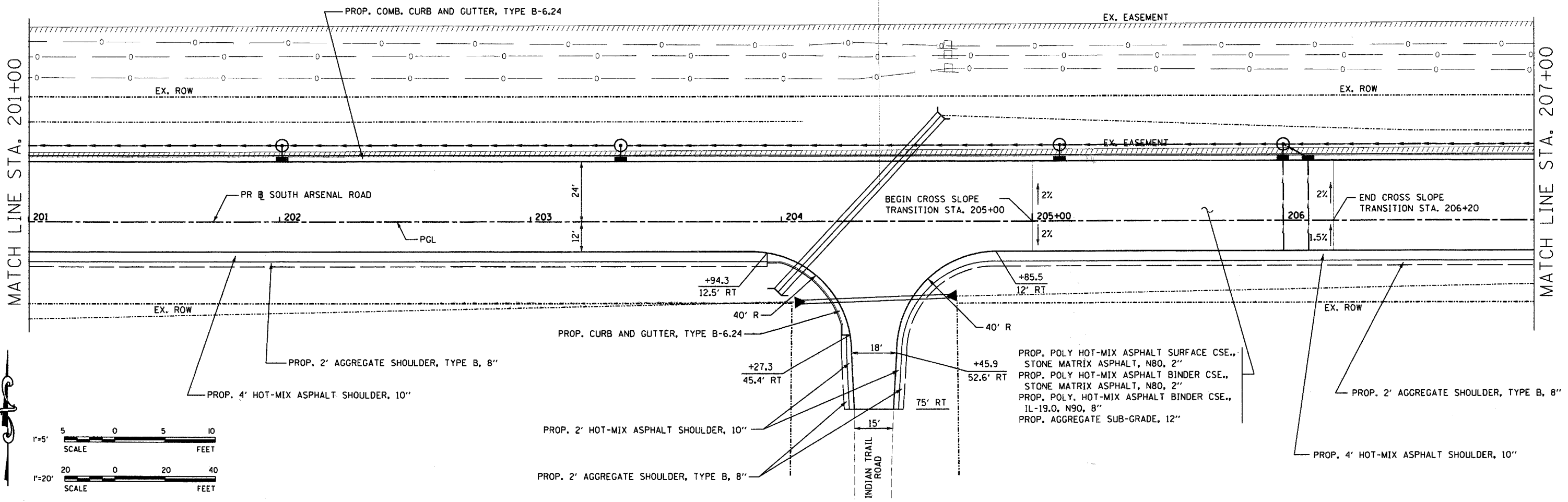
PLAN AND PROFILE

SCALE: 1"=20' SHEET NO. OF SHEETS STA. 195+00 TO STA. 195+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	14
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 63066				

MATCH LINE STA. 201+00

MATCH LINE STA. 207+00



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DATE - 6/16/2008	REVISED -

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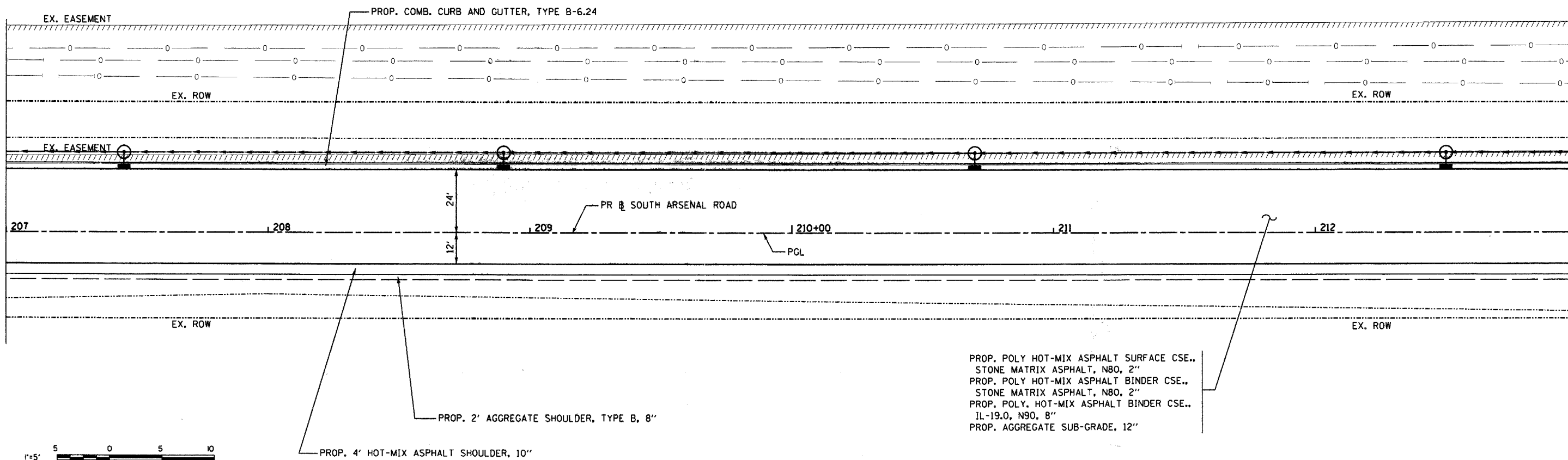
PLAN AND PROFILE

SCALE: 1"=20' SHEET NO. OF SHEETS STA. 201+00 TO STA. 207+00

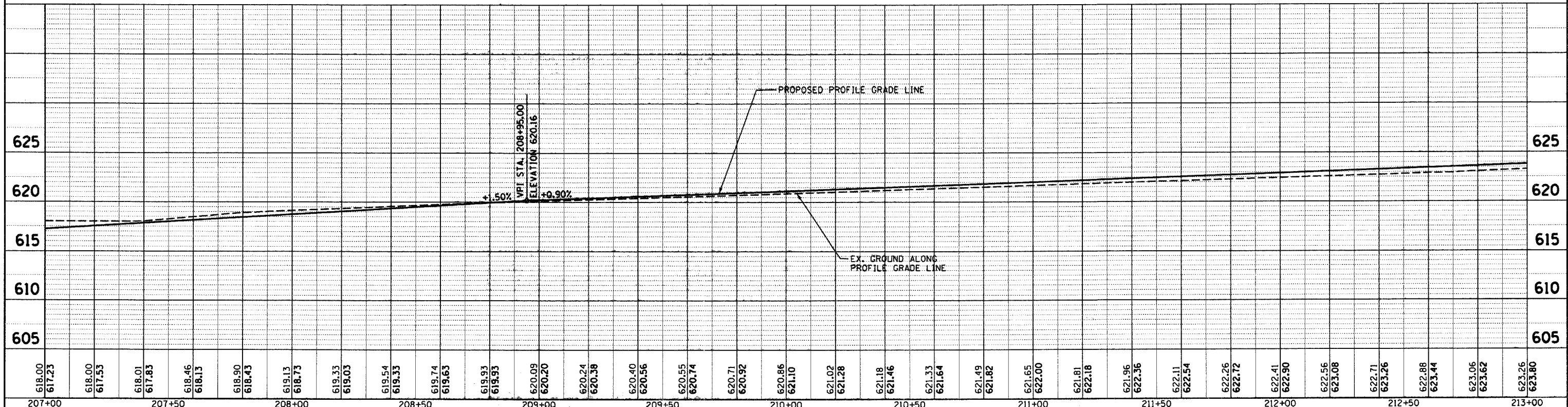
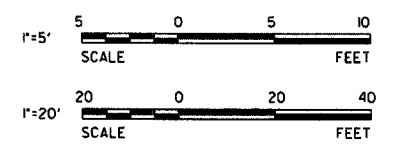
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	15
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 63066				

MATCH LINE STA. 207+00

MATCH LINE STA. 213+00



PROP. POLY HOT-MIX ASPHALT SURFACE CSE.,
 STONE MATRIX ASPHALT, N80, 2"
 PROP. POLY HOT-MIX ASPHALT BINDER CSE.,
 STONE MATRIX ASPHALT, N80, 2"
 PROP. POLY. HOT-MIX ASPHALT BINDER CSE.,
 IL-19.0, N90, 8"
 PROP. AGGREGATE SUB-GRADE, 12"



618.00 617.23	618.00 617.53	618.01 617.83	618.46 618.13	618.90 618.43	619.13 618.73	619.33 619.03	619.54 619.33	619.74 619.63	619.93 619.93	620.09 620.20	620.24 620.38	620.40 620.56	620.55 620.74	620.71 620.92	620.86 621.10	621.02 621.28	621.18 621.46	621.33 621.64	621.49 621.82	621.65 622.00	621.81 622.18	621.96 622.36	622.11 622.54	622.26 622.72	622.41 622.90	622.56 623.08	622.71 623.26	622.88 623.44	623.06 623.62	623.26 623.80
207+00	207+50	208+00	208+50	209+00	209+50	210+00	210+50	211+00	211+50	212+00	212+50	213+00																		

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 DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE

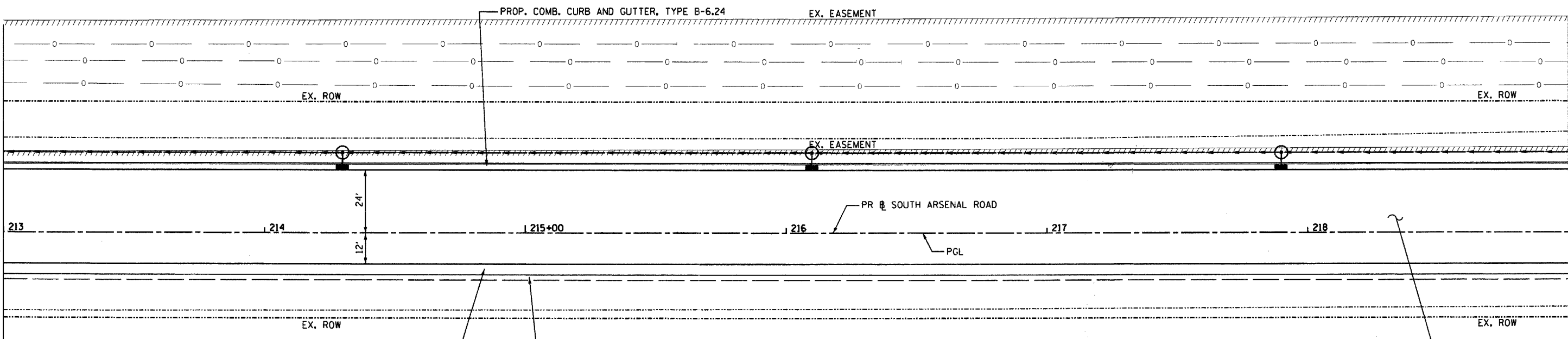
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	16
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 63066				

6/16/2008 K:\Projects\Joliet Arsenal Development Authority\South Arsenal Road\Est\CAD\Sheet\16 PP4.sht

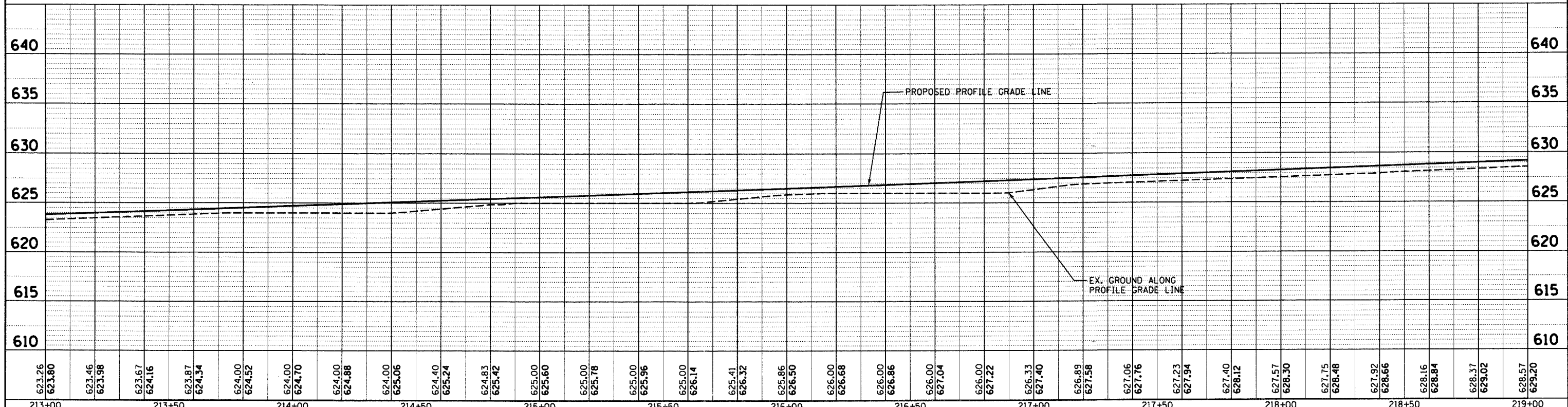
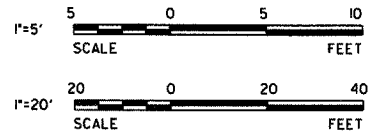
MATCH LINE STA. 213+00

MATCH LINE STA. 219+00



PROP. POLY HOT-MIX ASPHALT SURFACE CSE.,
 STONE MATRIX ASPHALT, N80, 2"
 PROP. POLY HOT-MIX ASPHALT BINDER CSE.,
 STONE MATRIX ASPHALT, N80, 2"
 PROP. POLY. HOT-MIX ASPHALT BINDER CSE.,
 IL-19.0, N90, 8"
 PROP. AGGREGATE SUB-GRADE, 12"

PROP. 2' AGGREGATE SHOULDER, TYPE B, 8"
 PROP. 4' HOT-MIX ASPHALT SHOULDER, 10"



623.26	623.80	623.46	623.98	623.67	624.16	623.87	624.34	624.00	624.52	624.00	624.70	624.00	624.88	624.00	625.06	624.40	625.24	624.83	625.42	625.00	625.60	625.00	625.78	625.00	625.96	625.00	626.14	625.41	626.32	625.86	626.50	626.00	626.68	626.00	626.86	626.00	627.04	626.00	627.22	626.33	627.40	626.89	627.58	627.06	627.76	627.23	627.94	627.40	628.12	627.57	628.30	627.75	628.48	627.92	628.66	628.16	628.84	628.37	629.02	628.57	629.20
213+00		213+50		214+00		214+50		215+00		215+50		216+00		216+50		217+00		217+50		218+00		218+50		219+00																																					

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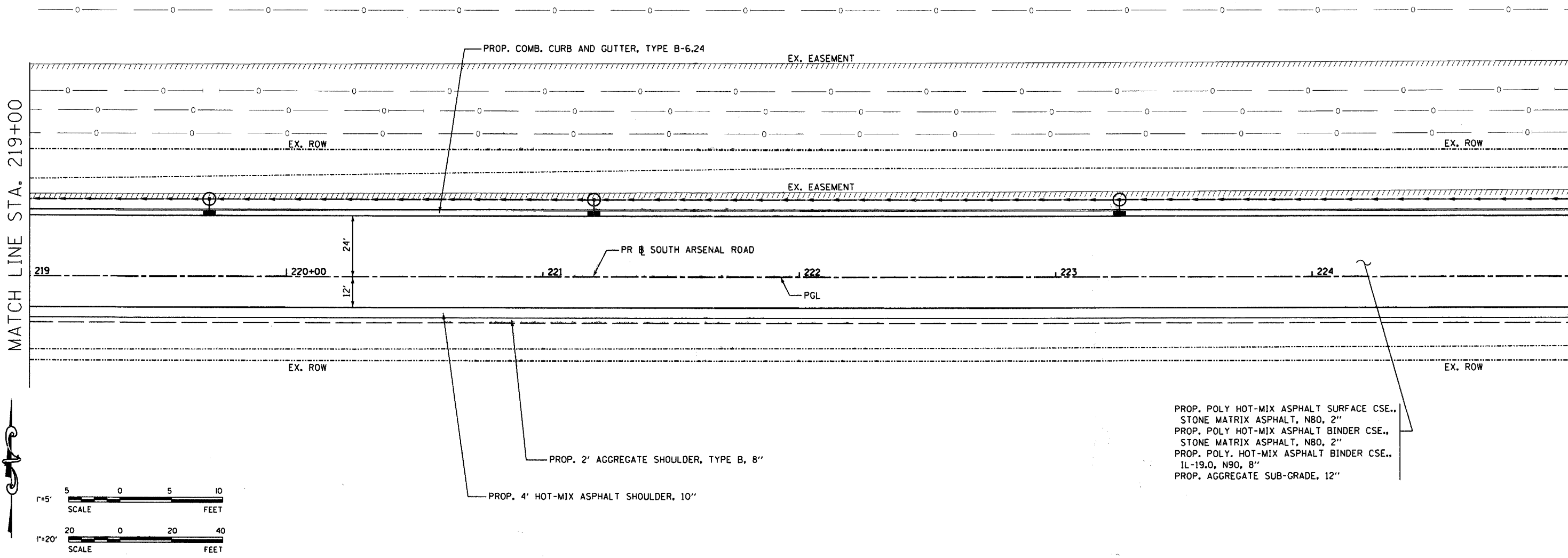
PLAN AND PROFILE

SCALE: 1"=20' SHEET NO. OF SHEETS STA. 213+00 TO STA. 219+00

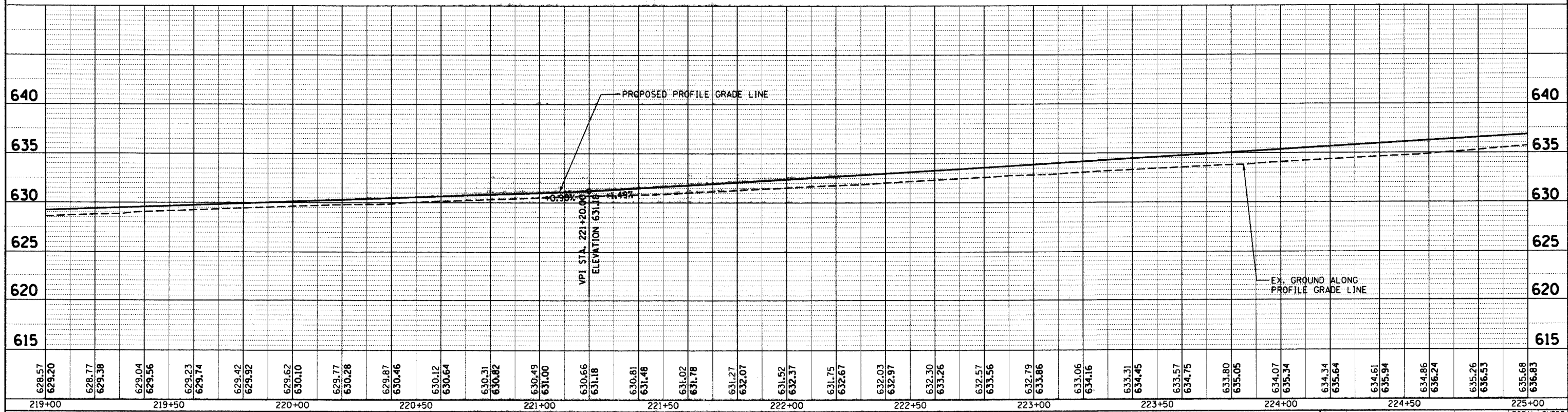
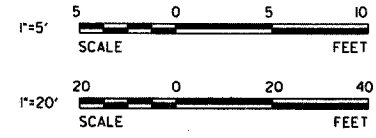
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	17
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 63066		

MATCH LINE STA. 219+00

MATCH LINE STA. 225+00



PROP. POLY HOT-MIX ASPHALT SURFACE CSE.,
 STONE MATRIX ASPHALT, N80, 2"
 PROP. POLY HOT-MIX ASPHALT BINDER CSE.,
 STONE MATRIX ASPHALT, N80, 2"
 PROP. POLY. HOT-MIX ASPHALT BINDER CSE.,
 IL-19.0, N90, 8"
 PROP. AGGREGATE SUB-GRADE, 12"



628.57	629.20	628.77	629.38	629.04	629.56	629.23	629.74	629.42	629.92	629.62	630.10	629.77	630.28	629.87	630.46	630.12	630.64	630.31	630.82	630.49	631.00	630.66	631.18	630.81	631.48	631.02	631.78	631.27	632.07	631.52	632.37	631.75	632.67	632.03	632.97	632.30	633.26	632.57	633.56	632.79	633.86	633.06	634.16	633.31	634.45	633.57	634.75	633.80	635.05	634.07	635.34	634.34	635.64	634.61	635.94	634.86	636.24	635.26	636.53	635.68	636.83
219+00	219+50	220+00	220+50	221+00	221+50	222+00	222+50	223+00	223+50	224+00	224+50	225+00																																																	

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SCALE: 1"=20' SHEET NO. OF SHEETS STA. 219+00 TO STA. 225+00

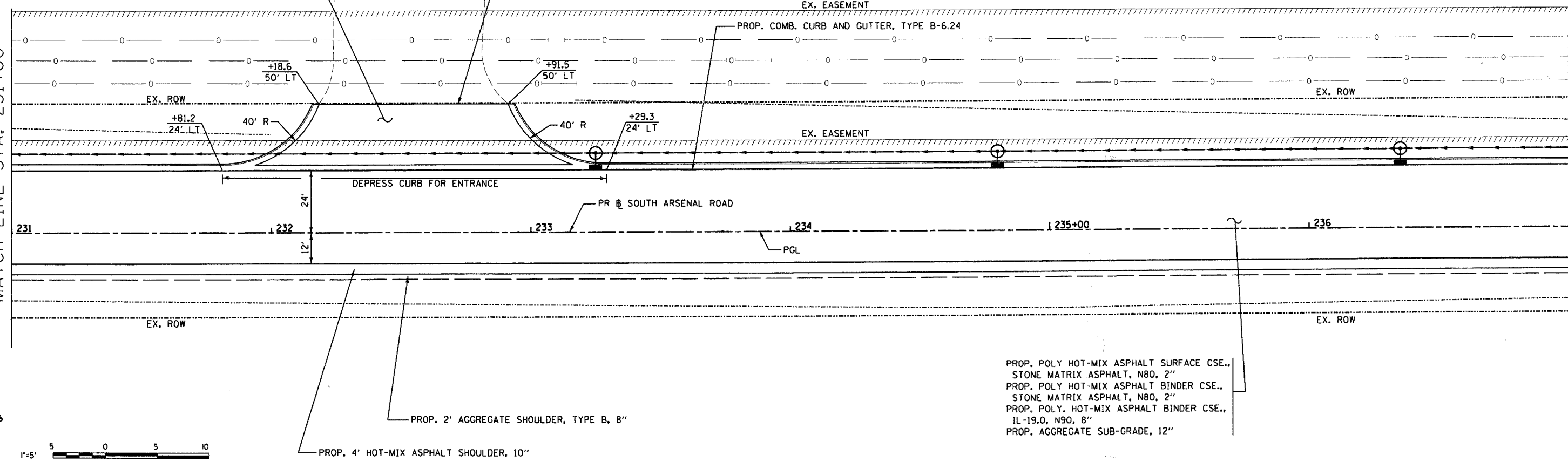
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	08-00039-00-FP	WILL	89	18
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 63066				

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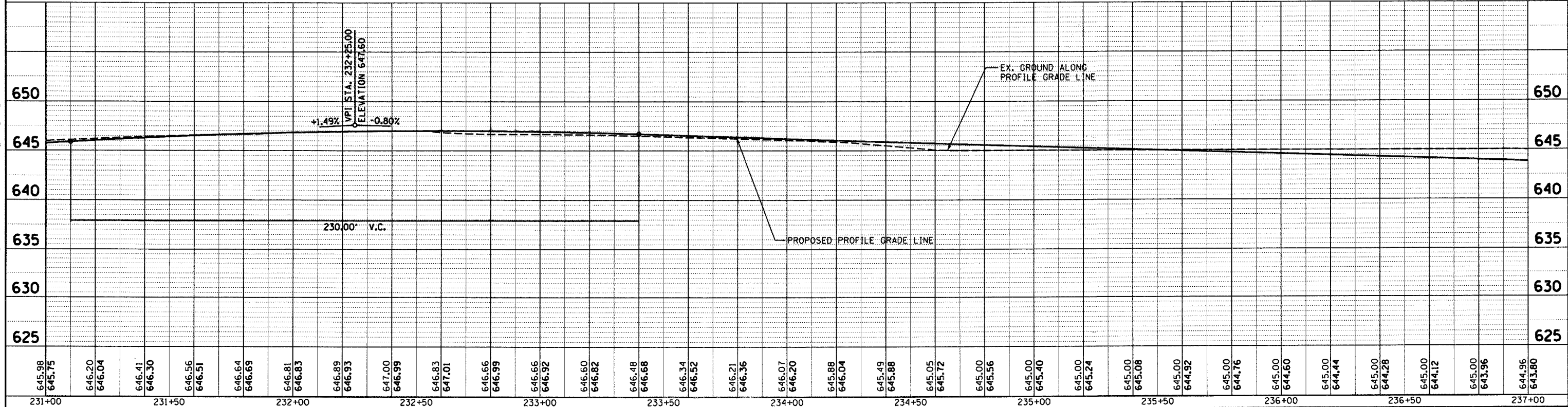
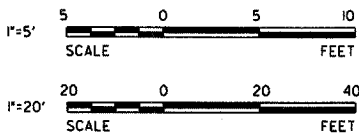
MATCH LINE STA. 231+00

MATCH LINE STA. 237+00

PROP. POLY. HOT-MIX ASPHALT SURFACE CSE.,
STONE MATRIX ASPHALT, N80, 2"
PROP. POLY. HOT-MIX ASPHALT BINDER CSE.,
IL-19.0, N90, 8"



PROP. POLY HOT-MIX ASPHALT SURFACE CSE.,
STONE MATRIX ASPHALT, N80, 2"
PROP. POLY HOT-MIX ASPHALT BINDER CSE.,
STONE MATRIX ASPHALT, N80, 2"
PROP. POLY. HOT-MIX ASPHALT BINDER CSE.,
IL-19.0, N90, 8"
PROP. AGGREGATE SUB-GRADE, 12"



645.98	645.75	646.20	646.04	646.41	646.30	646.56	646.51	646.64	646.69	646.81	646.83	646.89	646.93	647.00	646.99	646.83	647.01	646.66	646.99	646.66	646.92	646.60	646.82	646.48	646.68	646.34	646.52	646.21	646.36	646.07	646.20	645.88	646.04	645.49	645.88	645.05	645.72	645.00	645.56	645.00	645.40	645.00	645.24	645.00	645.08	645.00	644.92	645.00	644.76	645.00	644.60	645.00	644.44	645.00	644.28	645.00	644.12	645.00	643.96	644.96	643.80
231+00	231+50	232+00	232+50	233+00	233+50	234+00	234+50	235+00	235+50	236+00	236+50	237+00																																																	

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PLAN AND PROFILE

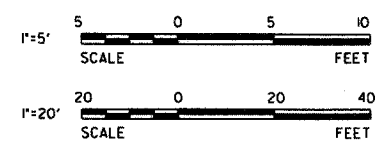
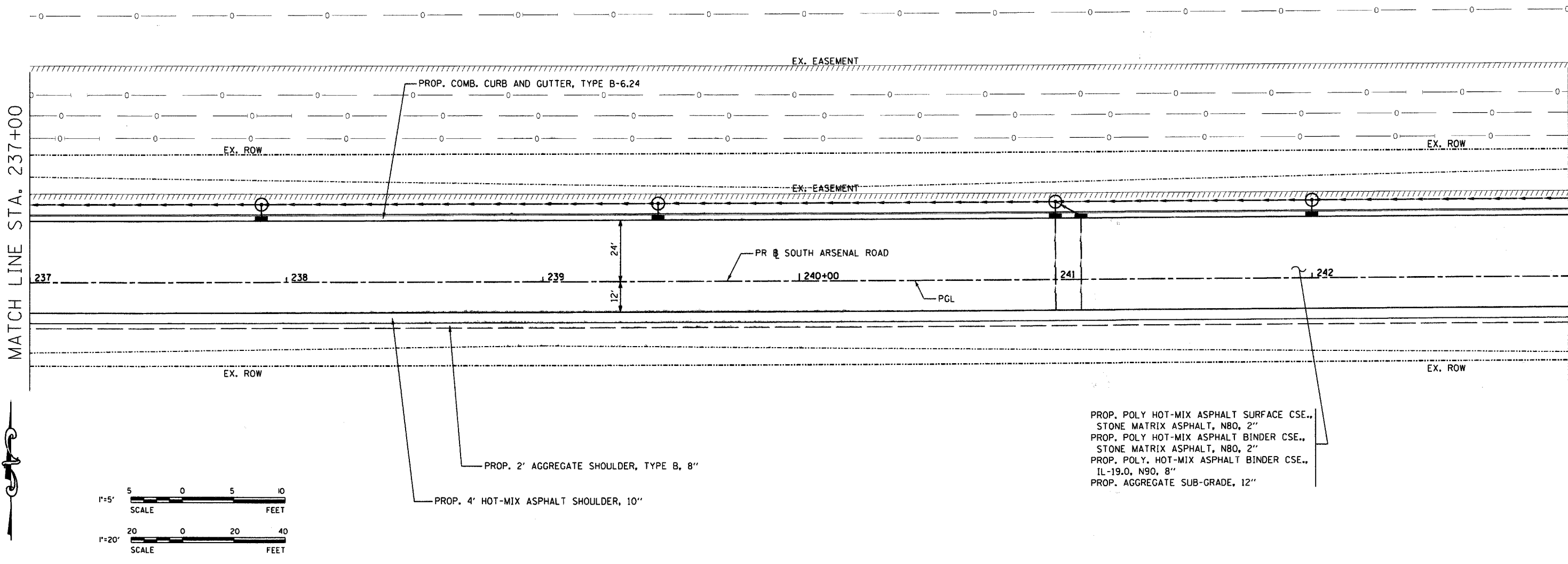
SCALE: 1"=20' SHEET NO. OF SHEETS STA. 231+00 TO STA. 237+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	20
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 63066				

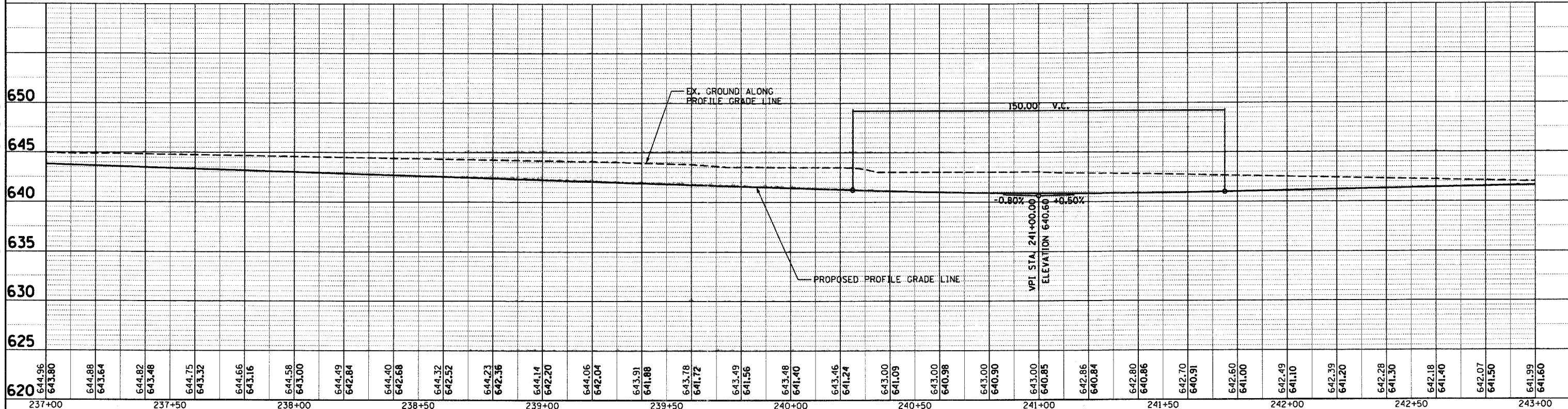
6/16/2008 K:\Projects\Bouler Arsenal Development Authority\South Arsenal Road.Eas\c:\00\Shr\20 PP8.shx

MATCH LINE STA. 237+00

MATCH LINE STA. 243+00



PROP. POLY HOT-MIX ASPHALT SURFACE CSE.,
 STONE MATRIX ASPHALT, N80, 2"
 PROP. POLY HOT-MIX ASPHALT BINDER CSE.,
 STONE MATRIX ASPHALT, N80, 2"
 PROP. POLY. HOT-MIX ASPHALT BINDER CSE.,
 IL-19.0, N90, 8"
 PROP. AGGREGATE SUB-GRADE, 12"



620	644.96	643.80	644.88	643.64	644.82	643.48	644.75	643.32	644.66	643.16	644.58	643.00	644.49	642.84	644.40	642.68	644.32	642.52	644.23	642.36	644.14	642.20	644.06	642.04	643.91	641.88	643.78	641.72	643.49	641.56	643.48	641.40	643.46	641.24	643.00	641.09	643.00	640.98	643.00	640.90	643.00	640.85	642.86	640.84	642.80	640.86	642.70	640.91	642.60	641.00	642.49	641.10	642.39	641.20	642.28	641.30	642.18	641.40	642.07	641.50	641.99	641.60
237+00	237+50				238+00				238+50				239+00				239+50				240+00				240+50				241+00				241+50				242+00				242+50				243+00																	

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE

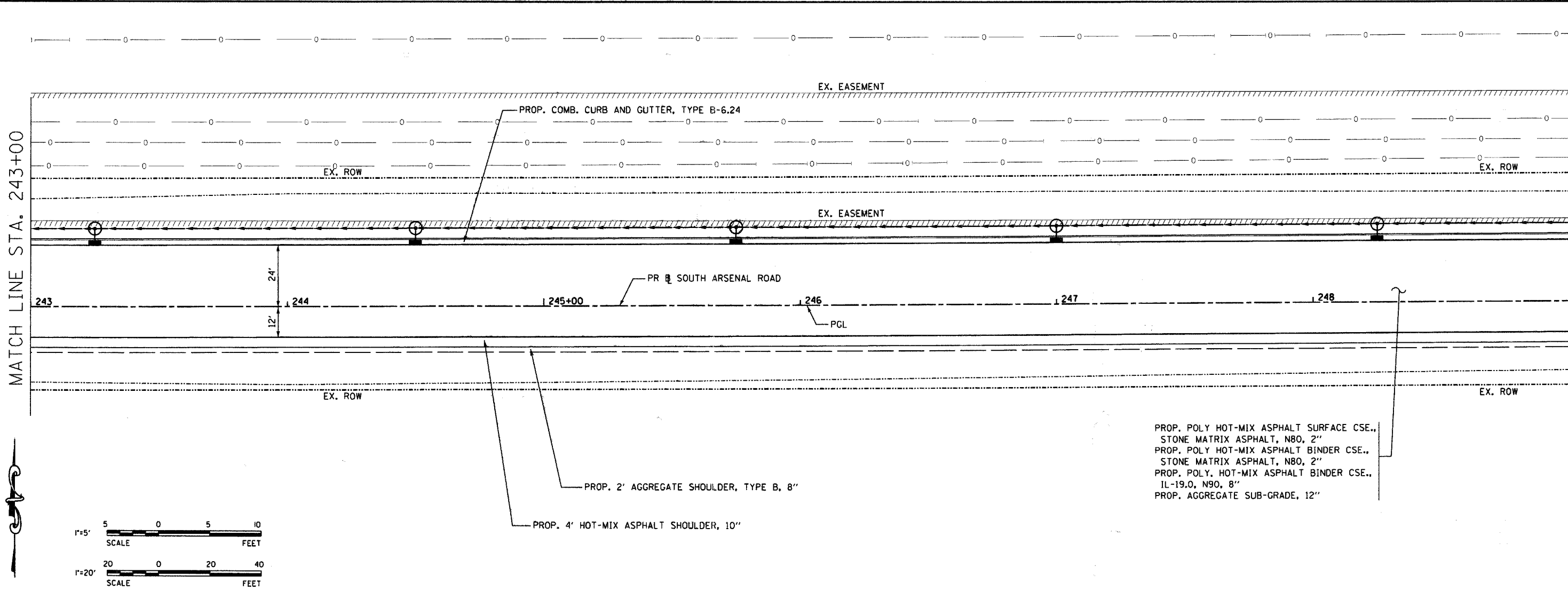
SCALE: 1"=20' SHEET NO. OF SHEETS STA. 237+00 TO STA. 243+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	21
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 63066				

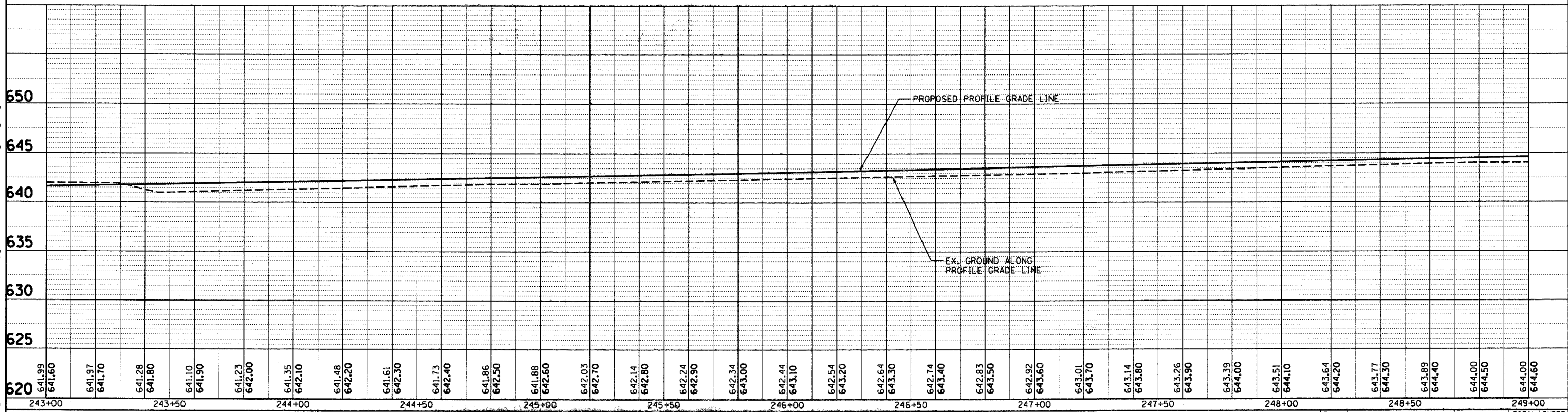
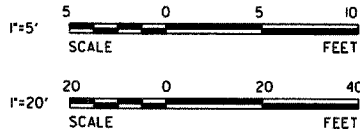
6/16/2008 K:\Projects\Joliet Arsenal Development Authority\South Arsenal Road.Eas\CAD\Sheet21 PP9.sht

MATCH LINE STA. 243+00

MATCH LINE STA. 249+00



PROP. POLY HOT-MIX ASPHALT SURFACE CSE.,
 STONE MATRIX ASPHALT, N80, 2"
 PROP. POLY HOT-MIX ASPHALT BINDER CSE.,
 STONE MATRIX ASPHALT, N80, 2"
 PROP. POLY. HOT-MIX ASPHALT BINDER CSE.,
 IL-19.0, N90, 8"
 PROP. AGGREGATE SUB-GRADE, 12"



620	641.99	641.60	641.97	641.70	641.28	641.80	641.10	641.90	641.23	642.00	641.35	642.10	641.48	642.20	641.61	642.30	641.73	642.40	641.86	642.50	641.88	642.60	642.03	642.70	642.14	642.80	642.24	642.90	642.34	643.00	642.44	643.10	642.54	643.20	642.64	643.30	642.74	643.40	642.83	643.50	642.92	643.60	643.01	643.70	643.14	643.80	643.26	643.90	643.39	644.00	643.51	644.10	643.64	644.20	643.77	644.30	643.89	644.40	644.00	644.50	644.00	644.60
243+00	243+50				244+00				244+50				245+00				245+50				246+00				246+50				247+00				247+50				248+00				248+50				249+00																	

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE

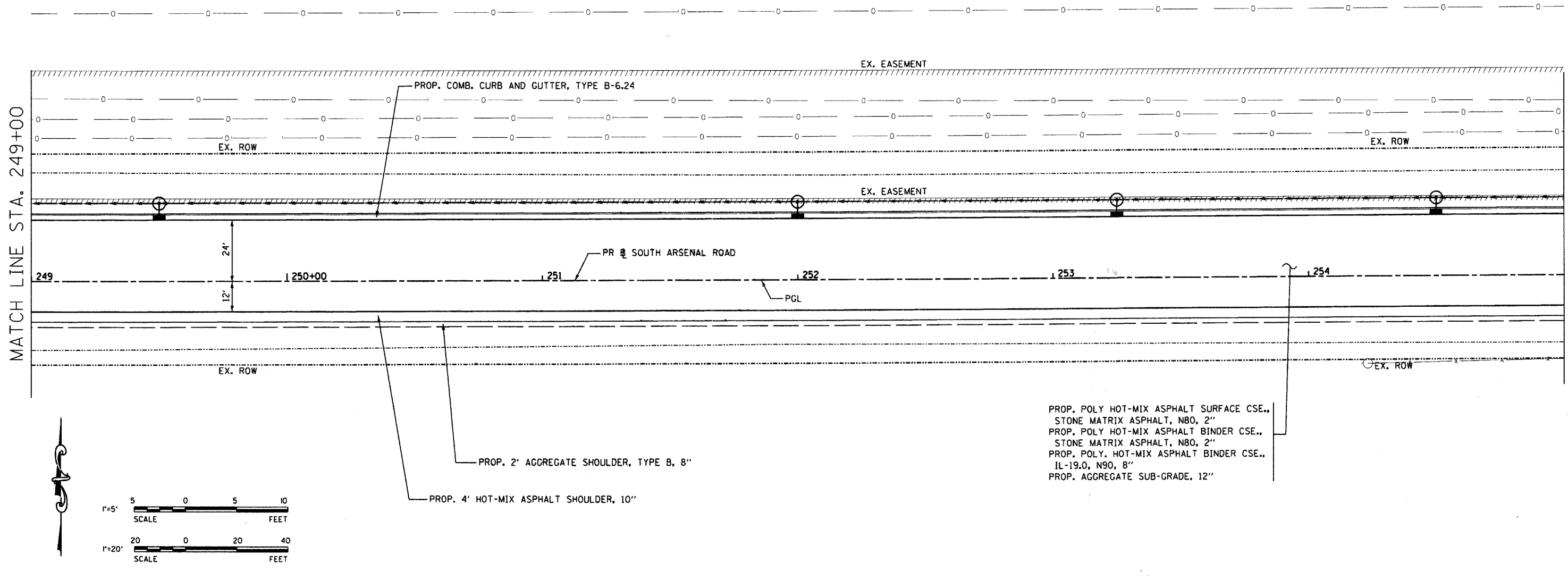
SCALE: 1"=20' SHEET NO. OF SHEETS STA. 243+00 TO STA. 249+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 63066				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

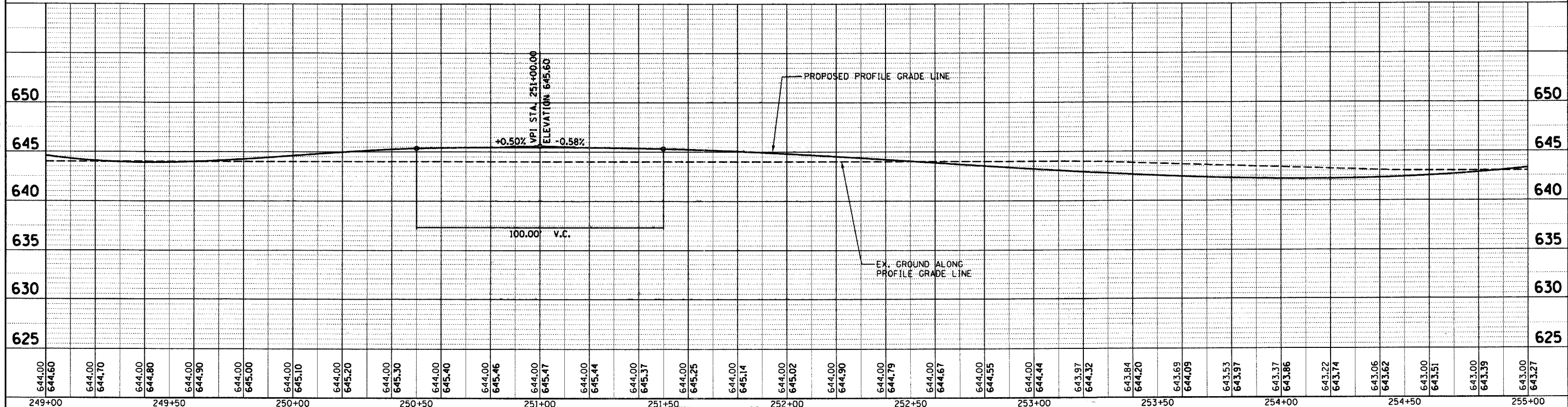
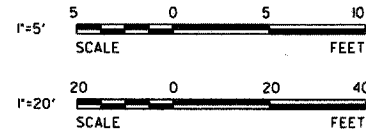
6/16/2008 HighProject\Boulet Arsenal Development Authority\South Arsenal Road.Eos\CADD\Sheet\22 PP10.sht

MATCH LINE STA. 249+00

MATCH LINE STA. 255+00



PROP. POLY HOT-MIX ASPHALT SURFACE CSE.,
 STONE MATRIX ASPHALT, N80, 2"
 PROP. POLY HOT-MIX ASPHALT BINDER CSE.,
 STONE MATRIX ASPHALT, N80, 2"
 PROP. POLY. HOT-MIX ASPHALT BINDER CSE.,
 IL-19.0, N90, 8"
 PROP. AGGREGATE SUB-GRADE, 12"



644.00	644.60	644.00	644.70	644.00	644.80	644.00	644.90	644.00	645.00	644.00	645.10	644.00	645.20	644.00	645.30	644.00	645.40	644.00	645.46	644.00	645.47	644.00	645.44	644.00	645.37	644.00	645.25	644.00	645.14	644.00	645.02	644.00	644.90	644.00	644.79	644.00	644.67	644.00	644.55	644.00	644.44	643.97	644.32	643.84	644.20	643.69	644.09	643.53	643.97	643.37	643.86	643.22	643.74	643.06	643.62	643.00	643.51	643.00	643.39	643.00	643.27
249+00		249+50		250+00		250+50		251+00		251+50		252+00		252+50		253+00		253+50		254+00		254+50		255+00																																					

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 DATE - 6/16/2008

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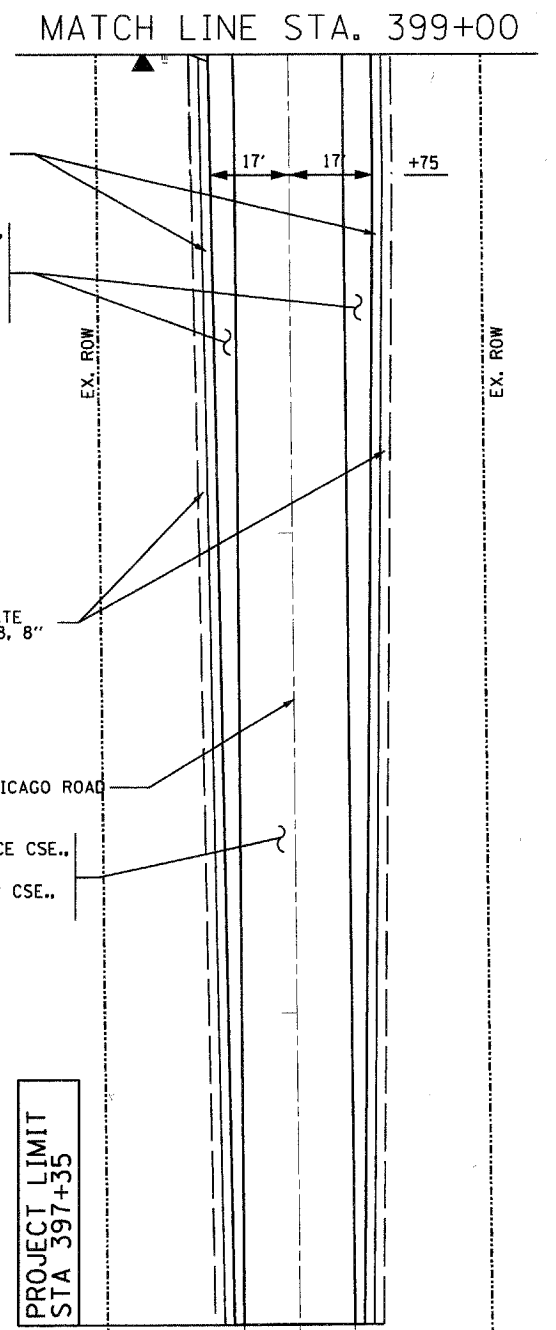
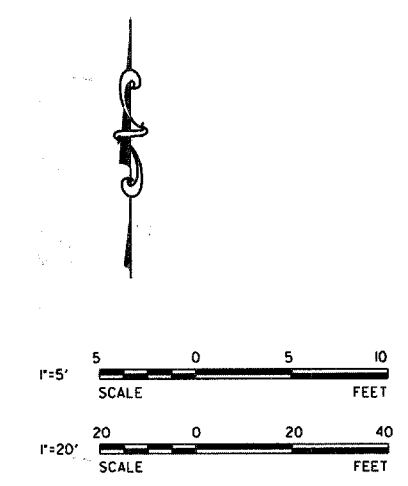
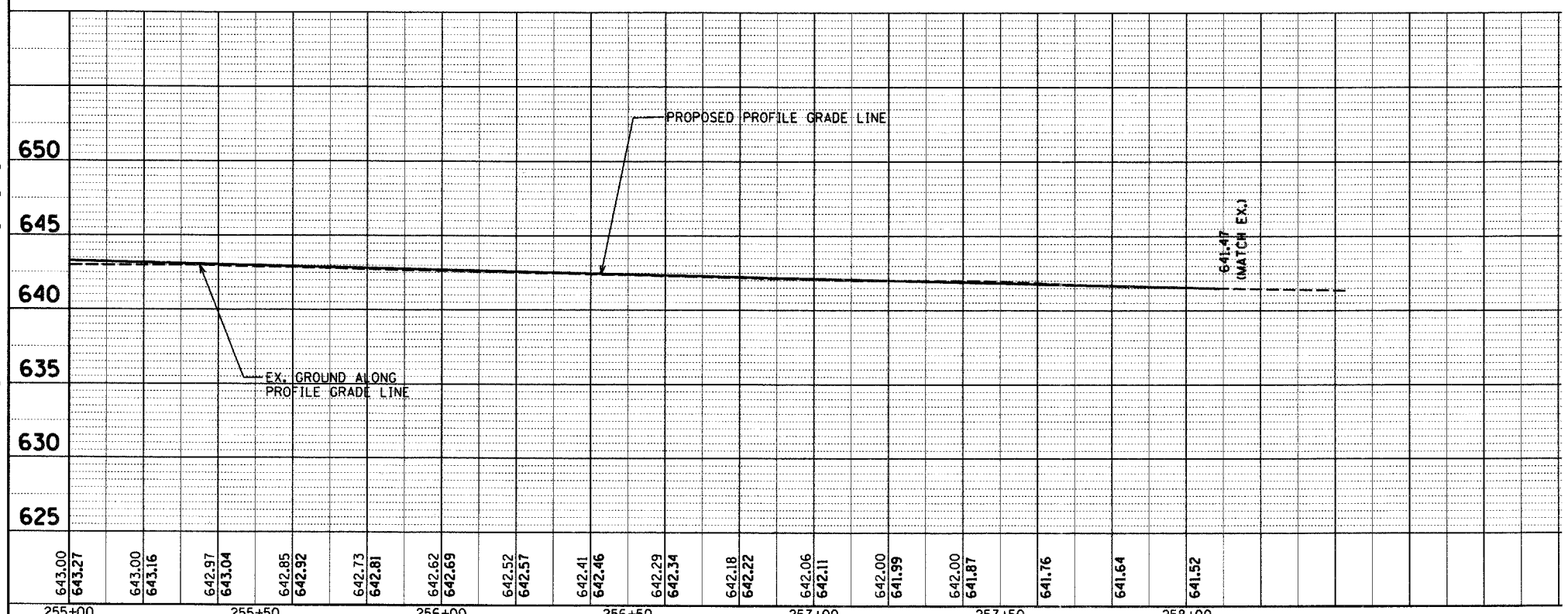
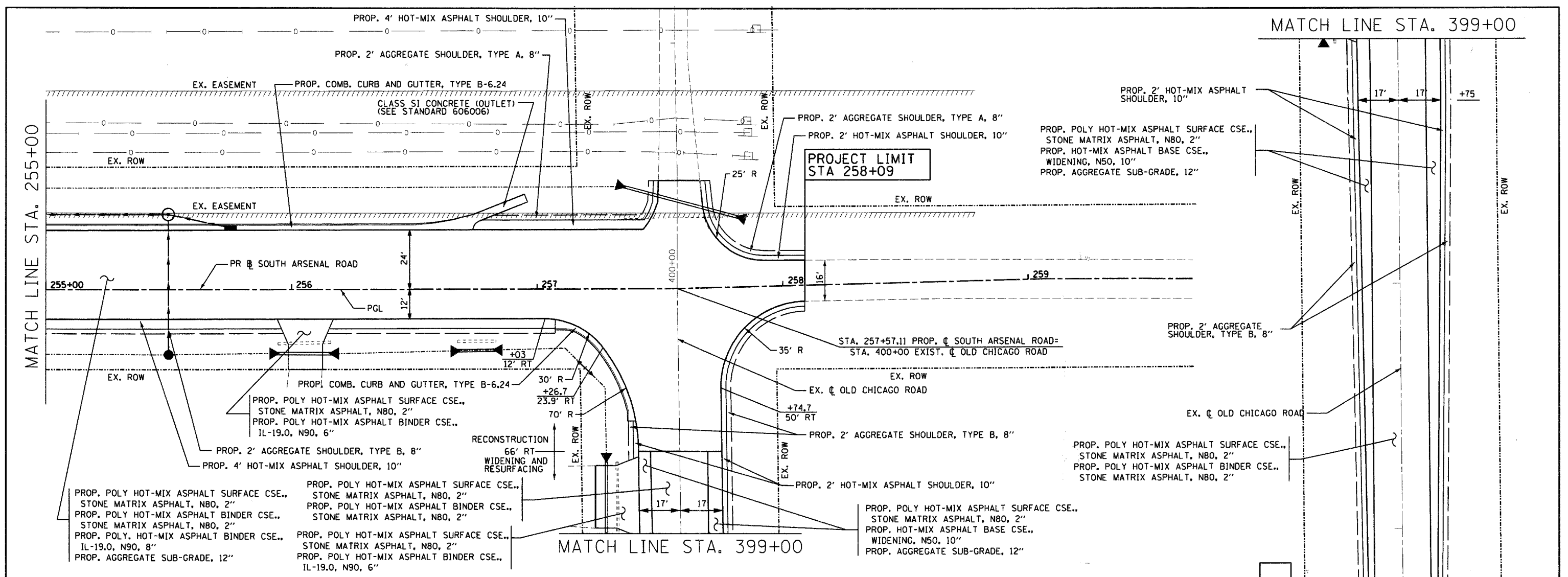
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE

SCALE: 1"=20' SHEET NO. OF SHEETS STA. 249+00 TO STA. 255+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	23
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 63066				

6/16/2008 kgf:projects\Joliet Arsenal Development Authority\South Arsenal Road.Eos\CA00\Sheet23 PPI1.sht



6/16/2008 K:\Projects\Arsenal Development Authority\South Arsenal Road_East\000\Sheet\24 PPI2.sht

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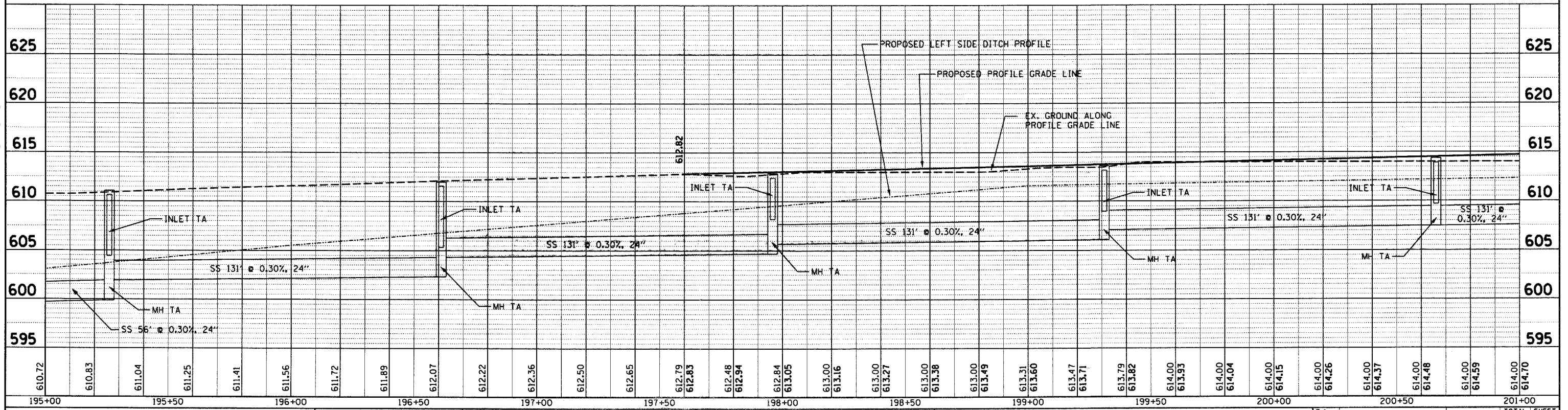
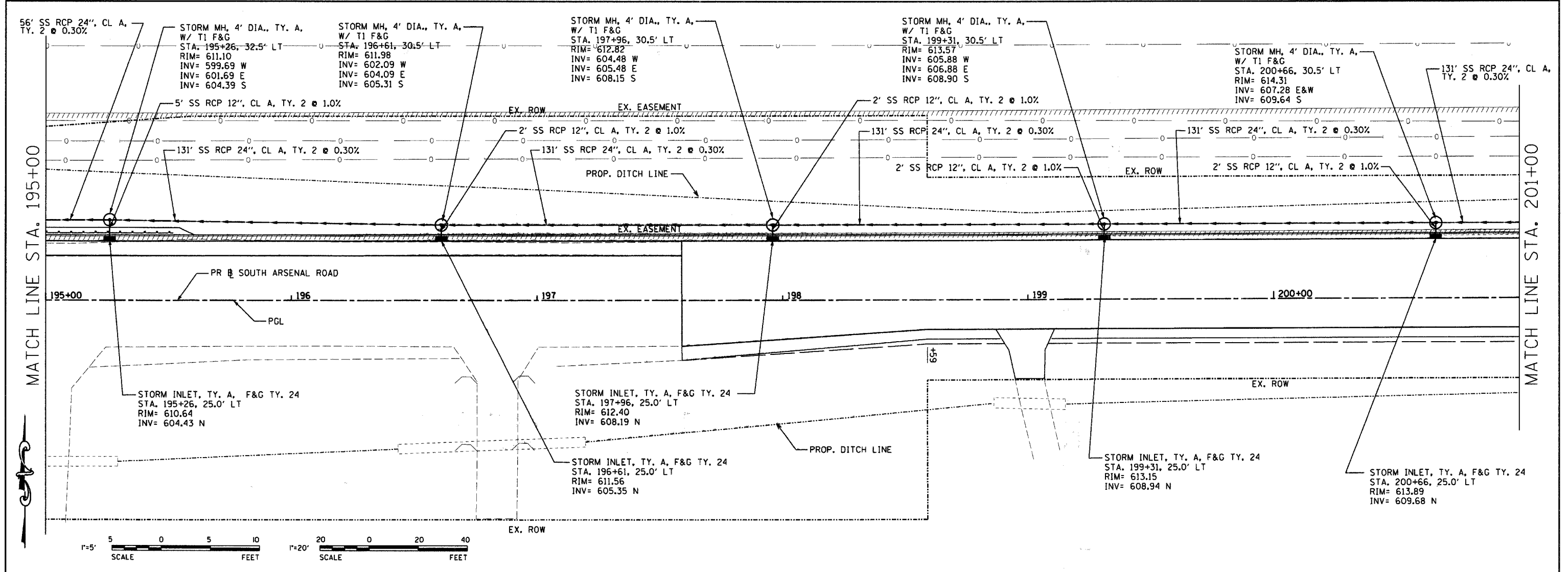
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DRAWN - DJN	REVISED -
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DATE - 6/16/2008	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE

SCALE: 1"=20' SHEET NO. OF SHEETS STA. 255+00 TO STA. 258+09

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	24
CONTRACT NO. 63066		ILLINOIS FED. AID PROJECT		



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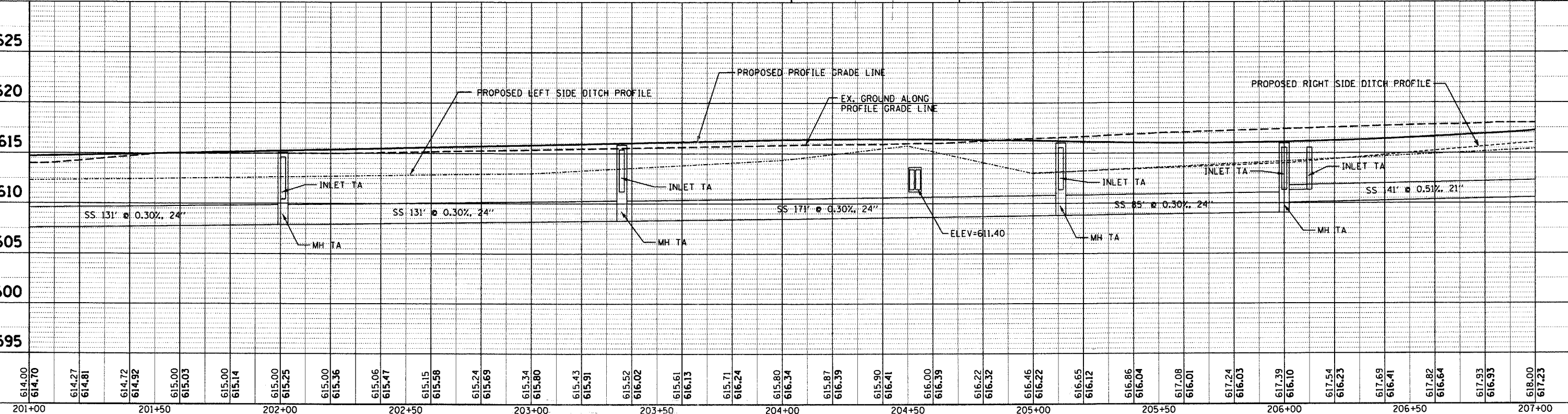
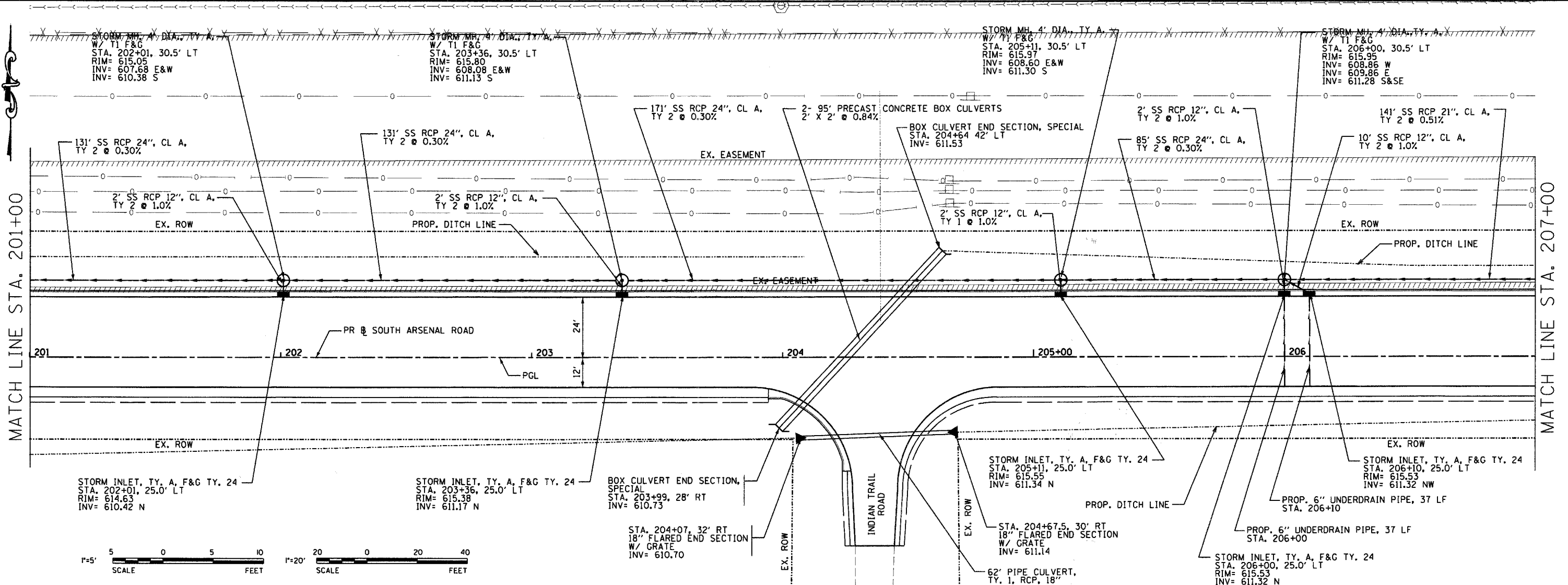
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE

SCALE: 1"=20' SHEET NO. OF SHEETS STA. 195+00 TO STA. 201+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-PP	WILL	89	26
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 63066				



6/16/2008 K:\Projects\08-Arsenal Development\Authority\South Arsenal Road East\CADD\Sheet27.DPP3.sht

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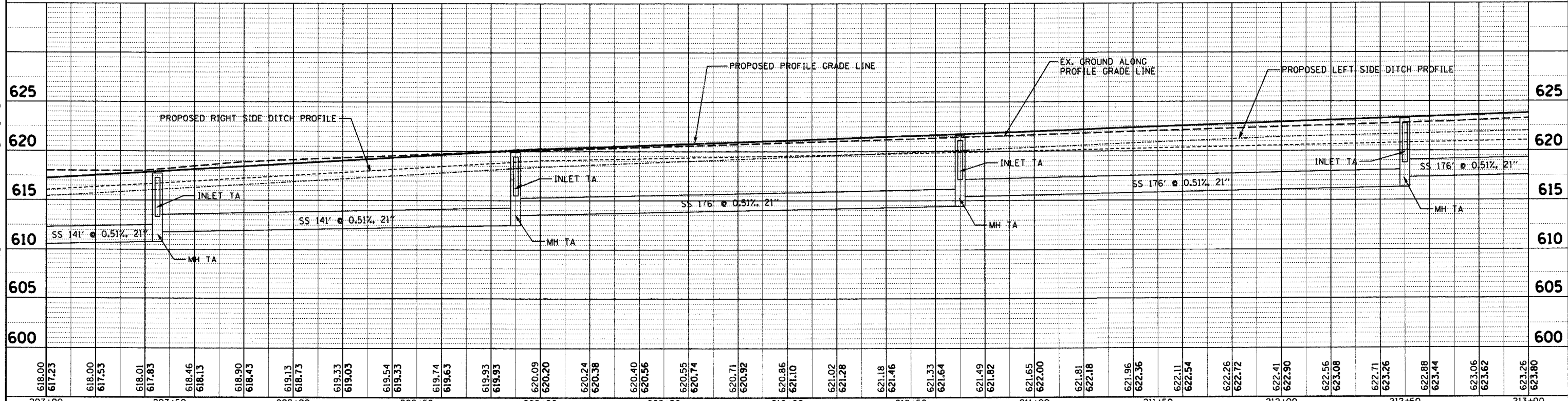
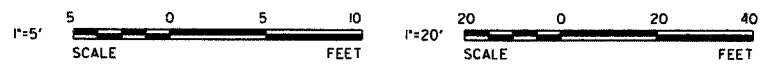
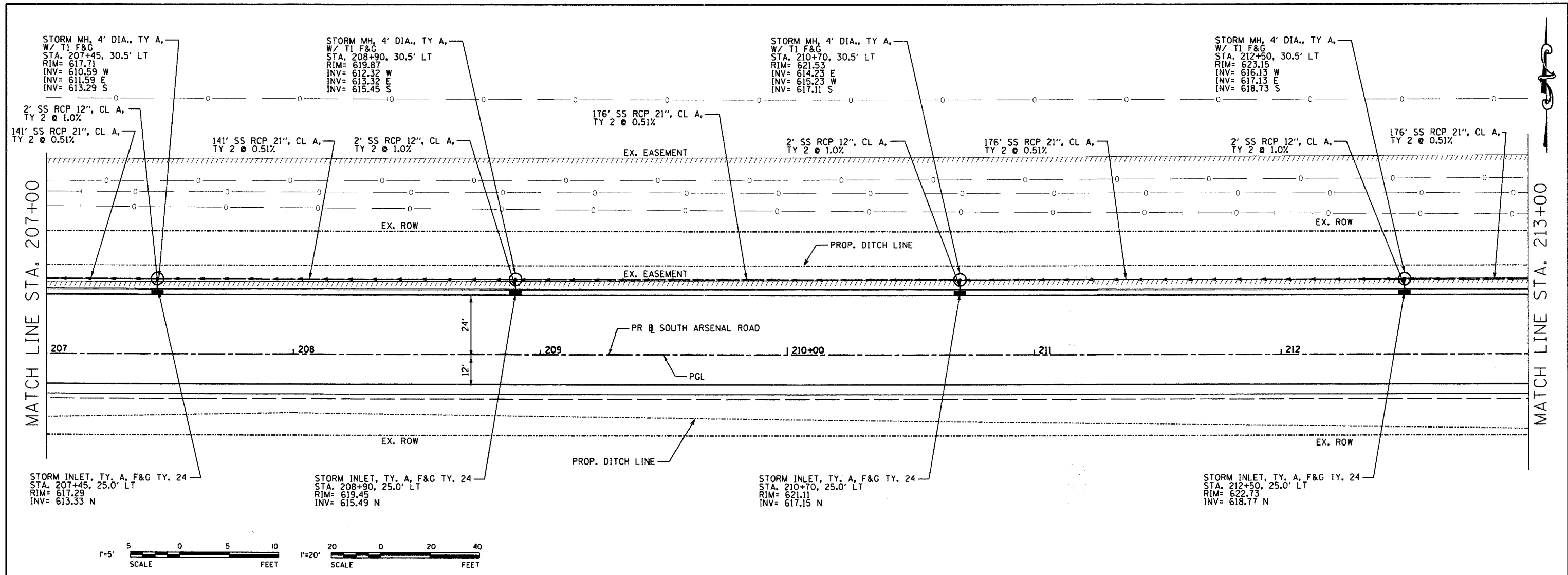
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE

SCALE: 1"=20' SHEET NO. OF SHEETS STA. 201+00 TO STA. 207+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	27
CONTRACT NO. 63066				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



6/16/2008 kgrProjects\Joliet Arsenal Development Authority\South Arsenal Road.Eas@CAD\Shg28 DP4.sht

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE

SCALE: 1"=20' SHEET NO. OF SHEETS STA. 207+00 TO STA. 213+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
	08-00039-00-FP	WILL	89 28
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	
		CONTRACT NO. 63066	

MATCH LINE STA. 213+00

MATCH LINE STA. 219+00

STORM MH, 4' DIA., TY A,
W/ TI F&G
STA. 214+30, 30.5' LT
RIM= 624.77
INV= 618.04 W
INV= 619.04 E
INV= 620.35 S

STORM MH, 4' DIA., TY A,
W/ TI F&G
STA. 216+10, 30.5' LT
RIM= 626.39
INV= 619.95 W&E
INV= 621.97 S

STORM MH, 4' DIA., TY A,
W/ TI F&G
STA. 217+90, 30.5' LT
RIM= 628.01
INV= 620.86 W
INV= 621.86 E
INV= 623.59 S

176' SS RCP 21", CL A,
TY 2 @ 0.51%

2' SS RCP 12", CL A,
TY 2 @ 1.0%

176' SS RCP 21", CL A,
TY 2 @ 0.51%

2' SS RCP 12", CL A,
TY 2 @ 1.0%

176' SS RCP 21", CL A,
TY 2 @ 0.51%

2' SS RCP 12", CL A,
TY 2 @ 1.0%

176' SS RCP 21", CL A,
TY 2 @ 0.51%

EX. ROW

PROP. DITCH LINE

EX. EASEMENT

EX. ROW

24'
12'

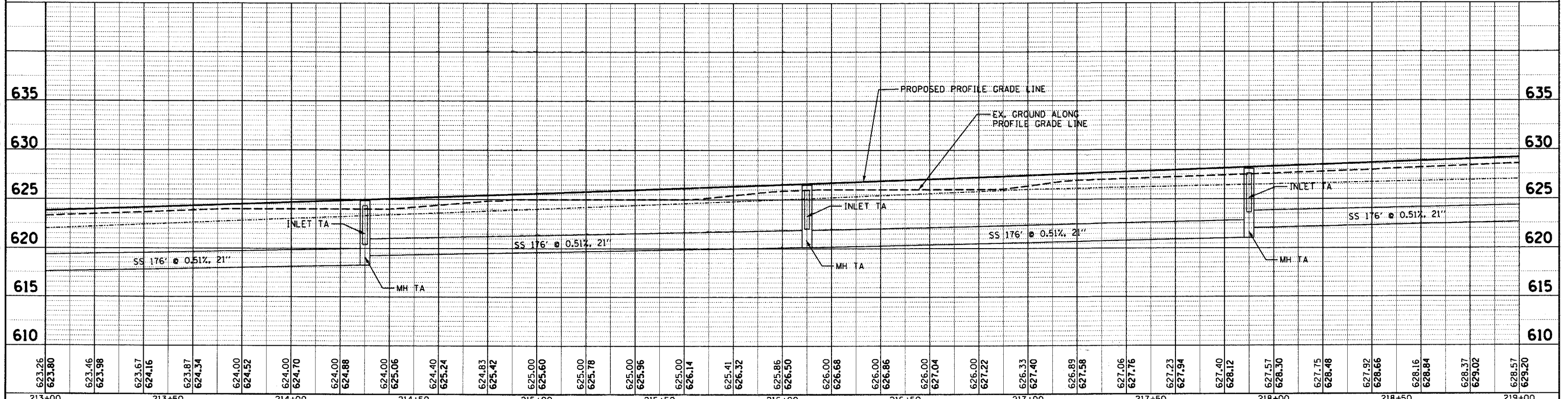
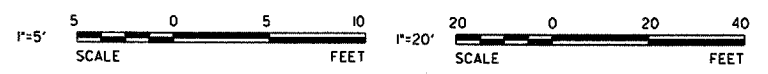
PR & SOUTH ARSENAL ROAD

PGL

STORM INLET, TY, A, F&G TY. 24
STA. 214+30, 25.0' LT
RIM= 624.35
INV= 620.39 N

STORM INLET, TY, A, F&G TY. 24
STA. 216+10, 25.0' LT
RIM= 625.97
INV= 622.01 N

STORM INLET, TY, A, F&G TY. 24
STA. 217+90, 25.0' LT
RIM= 627.59
INV= 623.63 N



623.26	623.80	623.46	623.98	623.67	624.16	623.87	624.34	624.00	624.52	624.00	624.70	624.00	624.88	624.00	625.06	624.40	625.24	624.83	625.42	625.00	625.60	625.00	625.78	625.00	625.96	625.00	626.14	625.41	626.32	625.86	626.50	626.00	626.68	626.00	626.86	626.00	627.04	626.00	627.22	626.33	627.40	626.89	627.58	627.06	627.76	627.23	627.94	627.40	628.12	627.57	628.30	627.75	628.48	627.92	628.66	628.16	628.84	628.37	629.02	628.57	629.20			
213+00					213+50					214+00					214+50					215+00					215+50					216+00					216+50					217+00					217+50					218+00					218+50					219+00				

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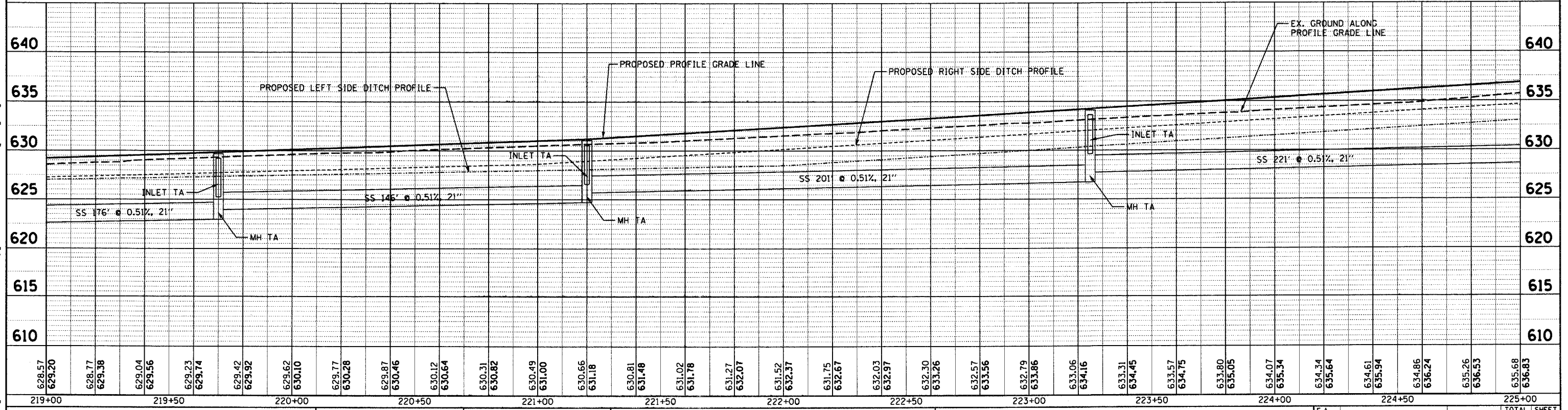
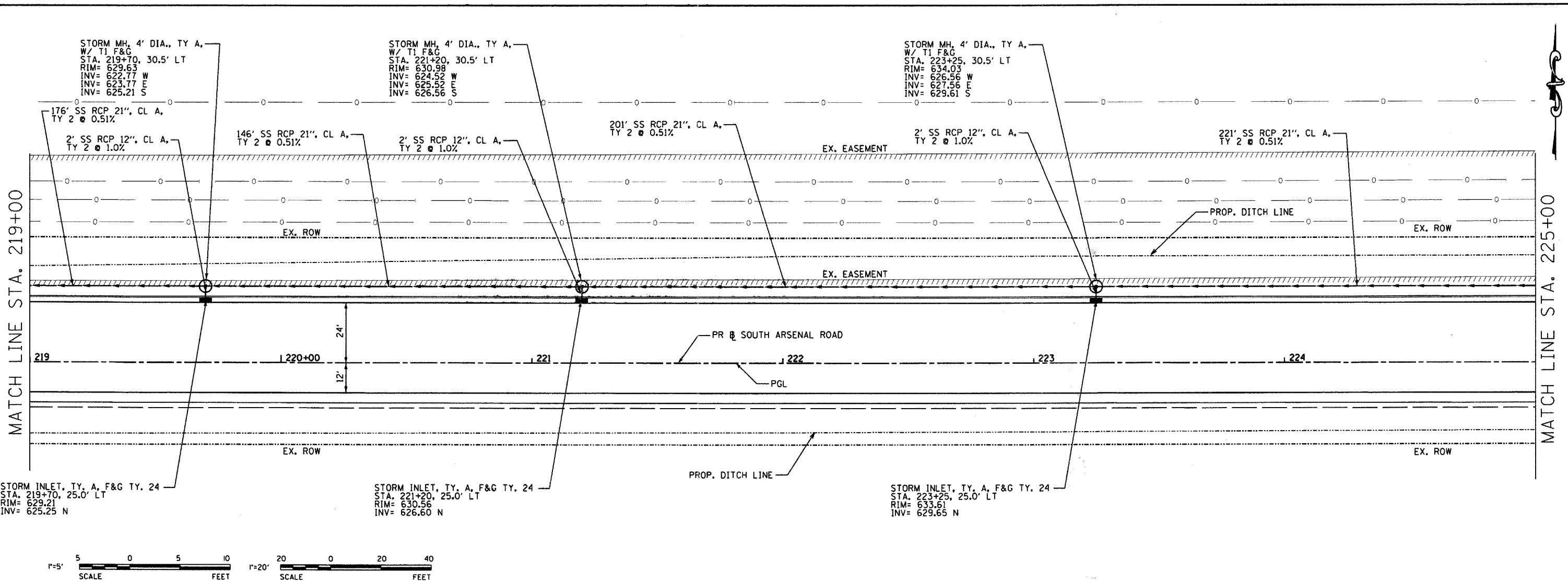
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE

SCALE: 1"=20' SHEET NO. OF SHEETS STA. 213+00 TO STA. 219+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	29
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 63066				

6/16/2008 K:\Projects\08-00039\South Arsenal Road\Esri\080039\29 DPP5.shx



6/16/2008 kg:Project@Joliet Arsenal Development Authority@South Arsenal Road.Eas@CAD\$hrig3D DPP6.sht

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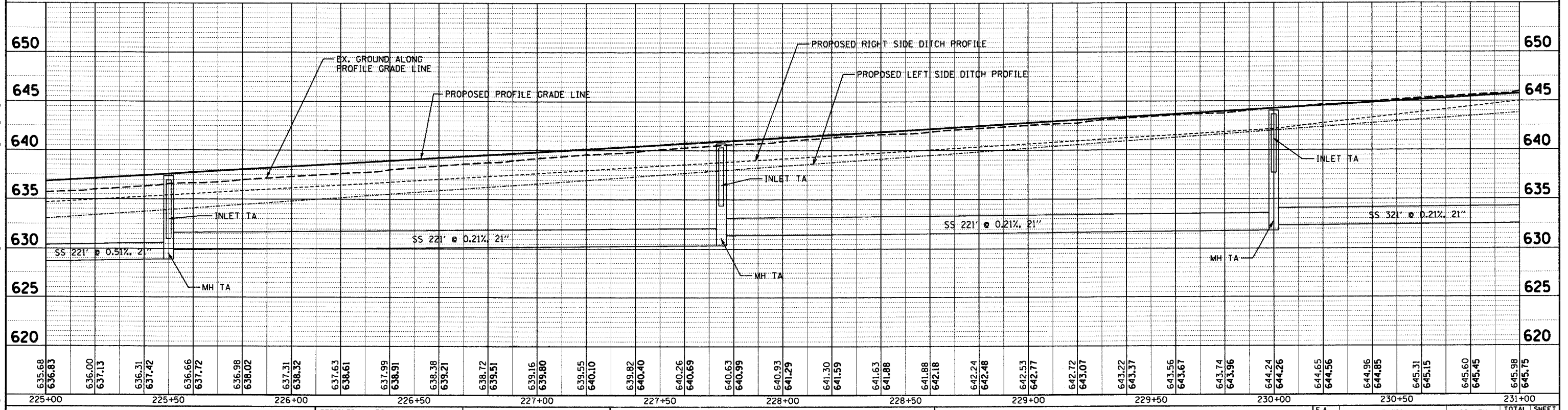
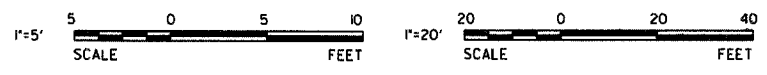
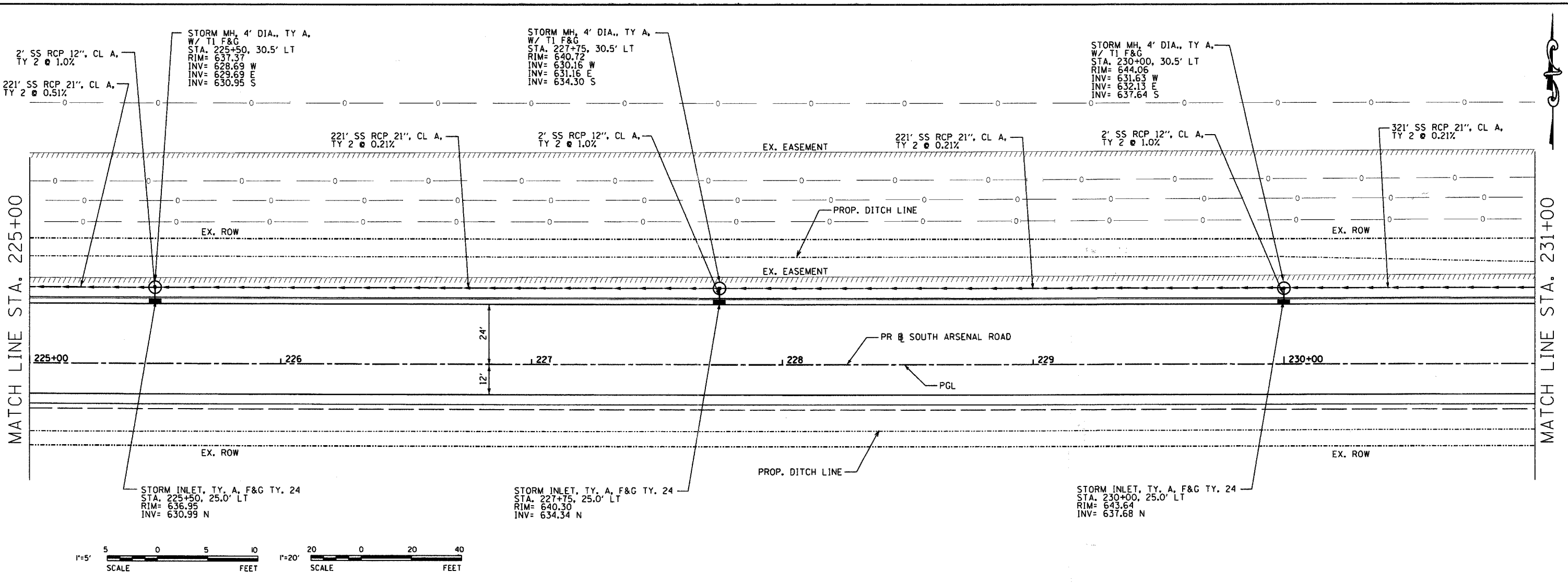
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE

SCALE: 1"=20' SHEET NO. OF SHEETS STA. 219+00 TO STA. 225+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.
	08-00039-00-FP	WILL	89 30
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT
			CONTRACT NO. 63066



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225+00	225+50	226+00	226+50	227+00	227+50	228+00	228+50	229+00	229+50	230+00	231+00																																																		

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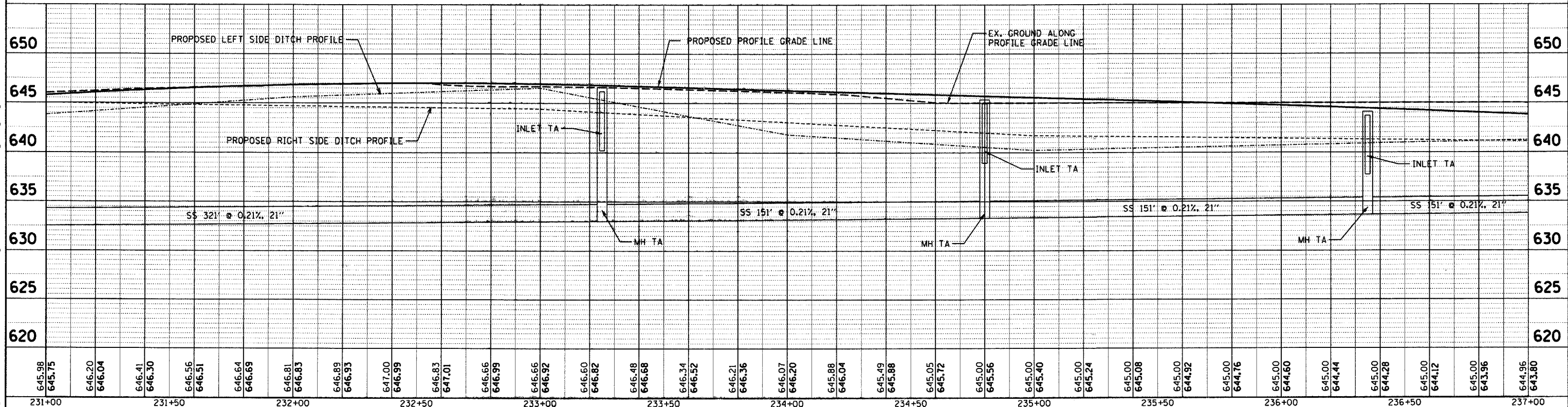
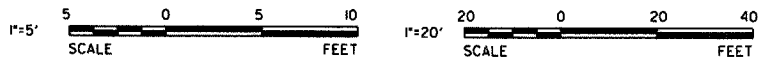
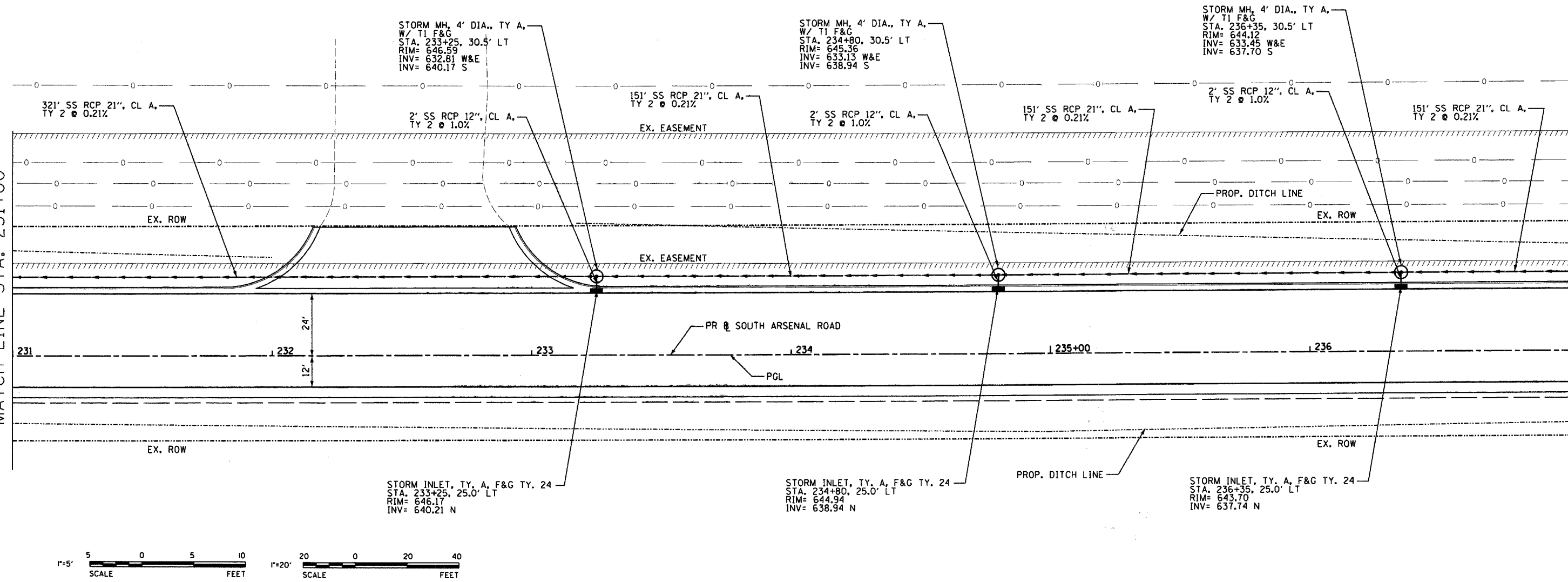
DRAINAGE PLAN AND PROFILE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	31
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 63066		

SCALE: 1"=20' SHEET NO. OF SHEETS STA. 225+00 TO STA. 231+00

MATCH LINE STA. 231+00

MATCH LINE STA. 237+00



645.98	645.75	646.20	646.04	646.41	646.30	646.56	646.51	646.64	646.69	646.81	646.83	646.89	646.93	647.00	646.99	646.83	647.01	646.66	646.99	646.66	646.92	646.60	646.82	646.48	646.68	646.34	646.52	646.21	646.36	646.07	646.20	645.88	646.04	645.49	645.88	645.05	645.72	645.00	645.56	645.00	645.40	645.00	645.24	645.00	645.08	645.00	644.92	645.00	644.76	645.00	644.60	645.00	644.44	645.00	644.28	645.00	644.12	645.00	643.96	644.96	643.80
231+00	231+50	232+00	232+50	233+00	233+50	234+00	234+50	235+00	235+50	236+00	236+50	237+00																																																	

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DATE - 6/16/2008	REVISED -

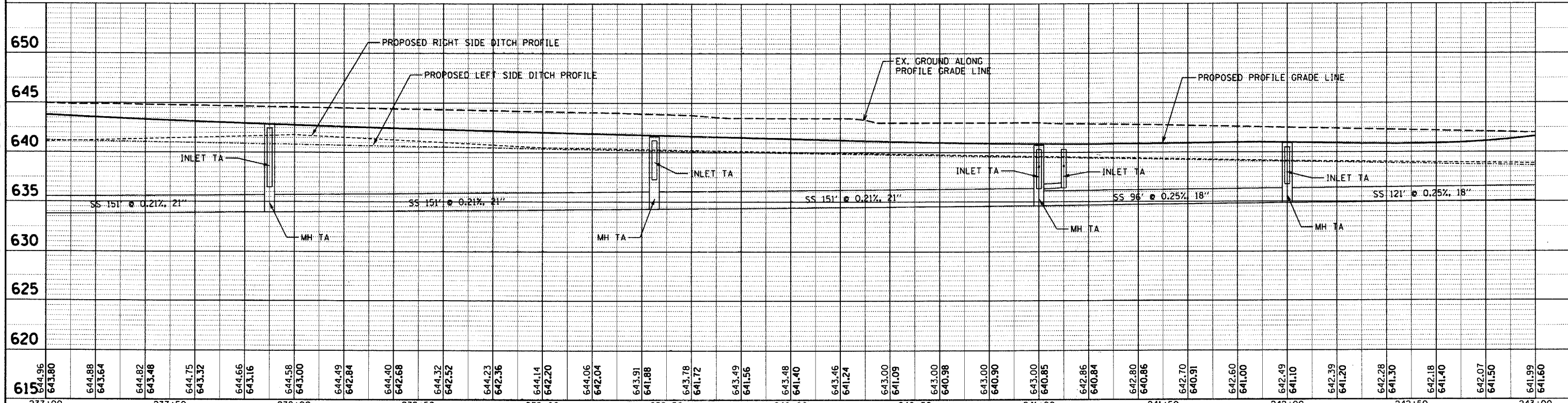
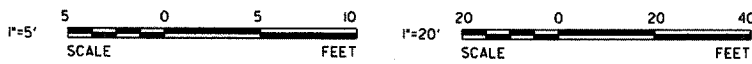
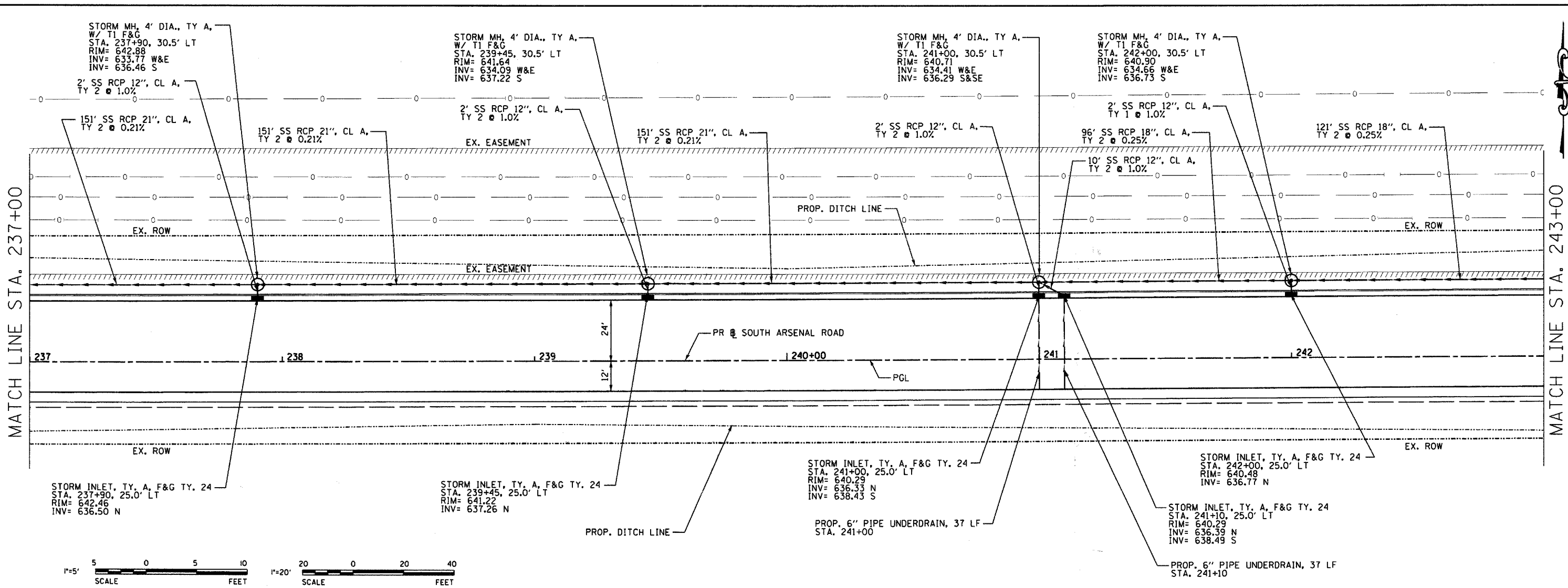
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE

SCALE: 1"=20' SHEET NO. OF SHEETS STA. 231+00 TO STA. 237+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	32
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 63066				

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615	644.96	643.80	644.88	643.64	644.82	643.48	644.75	643.32	644.66	643.16	644.58	643.00	644.49	642.84	644.40	642.68	644.32	642.52	644.23	642.36	644.14	642.20	644.06	642.04	643.91	641.88	643.78	641.72	643.49	641.56	643.48	641.40	643.46	641.24	643.00	641.09	643.00	640.98	643.00	640.90	643.00	640.85	642.86	640.84	642.80	640.86	642.70	640.91	642.60	641.00	642.49	641.10	642.39	641.20	642.28	641.30	642.18	641.40	642.07	641.50	641.99	641.60
	237+00		237+50		238+00		238+50		239+00		239+50		240+00		240+50		241+00		241+50		242+00		242+50		243+00																																					

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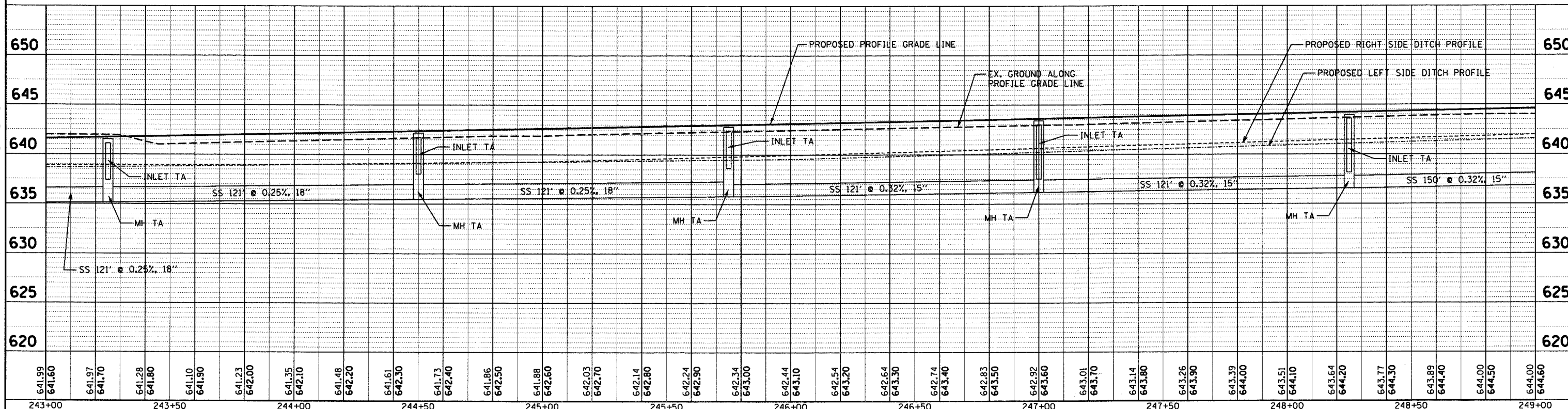
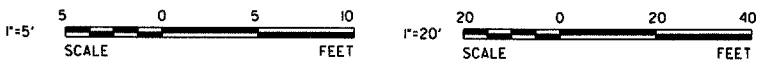
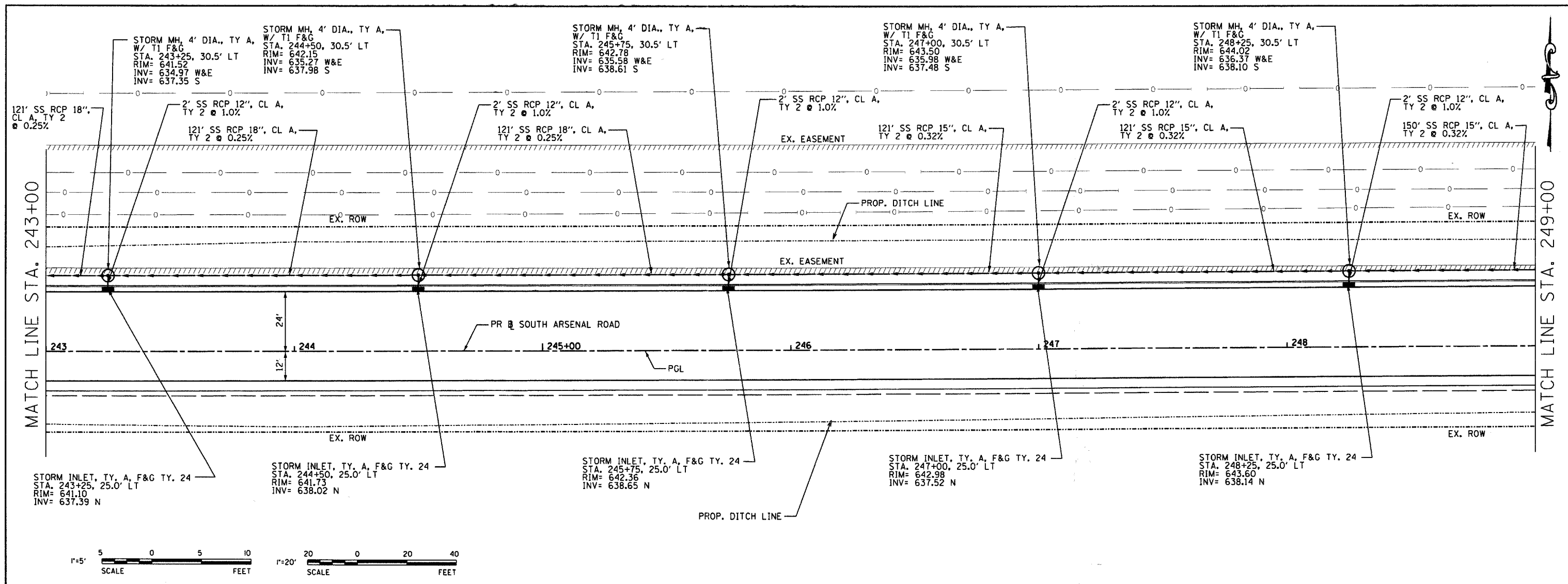
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE

SCALE: 1"=20' SHEET NO. OF SHEETS STA. 237+00 TO STA. 243+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	33
CONTRACT NO. 63066			ILLINOIS FED. AID PROJECT	

6/16/2008 kgf:proj:esl:ier Arsenal Development Authority\South Arsenal Road.Esl:kgf:CAD:Sh:133 DRP3.sht



641.99 641.60	641.97 641.70	641.28 641.80	641.10 641.90	641.23 642.00	641.35 642.10	641.48 642.20	641.61 642.30	641.73 642.40	641.86 642.50	641.88 642.60	642.03 642.70	642.14 642.80	642.24 642.90	642.34 643.00	642.44 643.10	642.54 643.20	642.64 643.30	642.74 643.40	642.83 643.50	642.92 643.60	643.01 643.70	643.14 643.80	643.26 643.90	643.39 644.00	643.51 644.10	643.64 644.20	643.77 644.30	643.89 644.40	644.00 644.50	644.00 644.60
243+00	243+50	244+00	244+50	245+00	245+50	246+00	246+50	247+00	247+50	248+00	248+50	249+00																		

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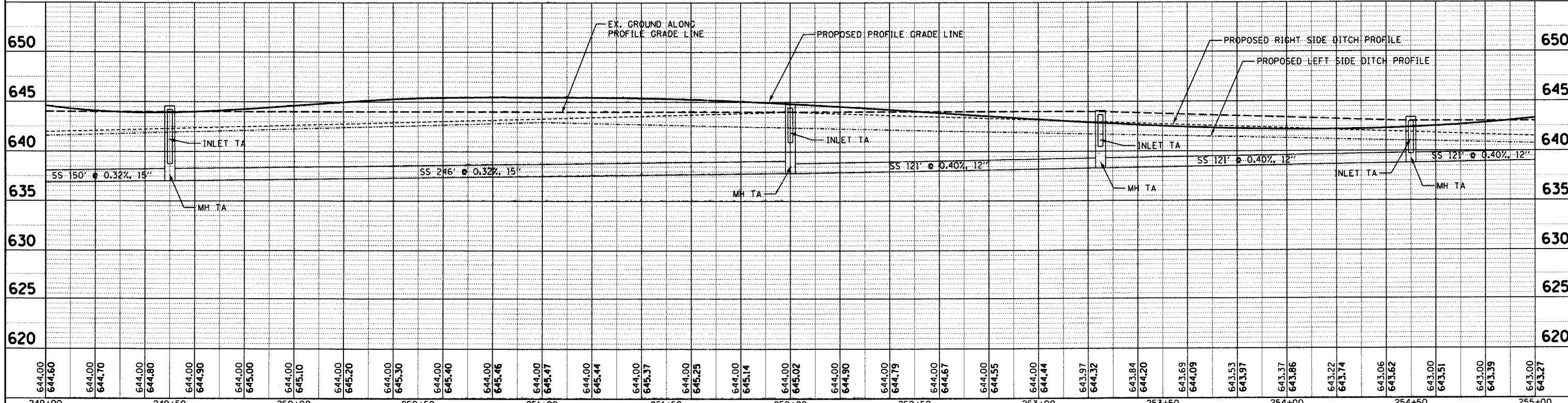
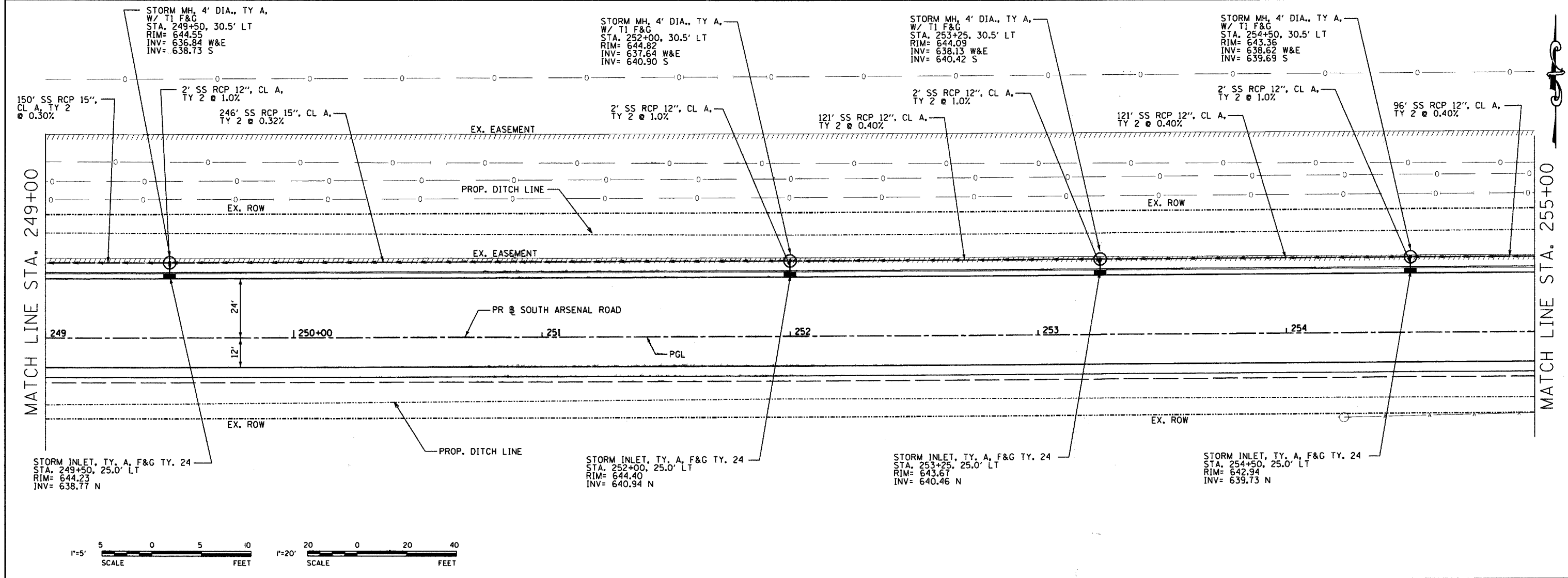
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DRAWN - DJN	REVISED -
CHECKED - MAR	REVISED -
DATE - 6/16/2008	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE
 SCALE: 1"=20' SHEET NO. OF SHEETS STA. 243+00 TO STA. 249+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-PP	WILL	89	34
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 63066				

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DRAINAGE PLAN AND PROFILE

SCALE: 1"=20' SHEET NO. OF SHEETS STA. 249+00 TO STA. 255+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	35
CONTRACT NO. 63066			ILLINOIS FED. AID PROJECT	

STORM MH, 4' DIA., TY A,
W/ TI F&G
STA. 255+50, 30.5' LT
RIM= 642.78
INV= 639.01 S,W&E

96' SS RCP 12", CL A,
TY 2 @ 0.40%

26' SS RCP 12", CL A,
TY 2 @ 0.50%
STORM INLET, TY. A, F&G TY. 24
STA. 255+75, 25.0' LT
RIM= 642.23
INV= 639.10 E

STA. 257+35, 41' LT
12" RCP FLARED END SECTION
INV= 639.44

PIPE CULVERT, TY. 1,
CMP, 12" (50 FT)

STA. 257+84, 28' LT
12" RCP FLARED END SECTION
INV= 639.14

STA. 257+28, 101.6' RT
12" METAL FLARED END SECTION
INV= 640.28

MATCH LINE STA. 255+00

54' SS RCP 12", CL A,
TY 2 @ 0.50%

STORM INLET, TY. A, T8 GRATE
STA. 255+50, 24.0' RT
RIM= 641.06
INV= 639.47 N

STA. 255+93, 24' RT
12" METAL FLARED END SECTION
INV= 641.14

PIPE CULVERT, TY. 1,
CMP, 12" (25 FT)

STA. 258+18, 24' RT
12" METAL FLARED END SECTION
INV= 641.22

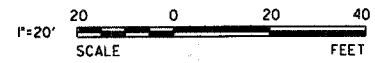
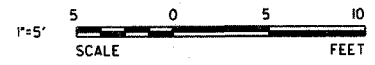
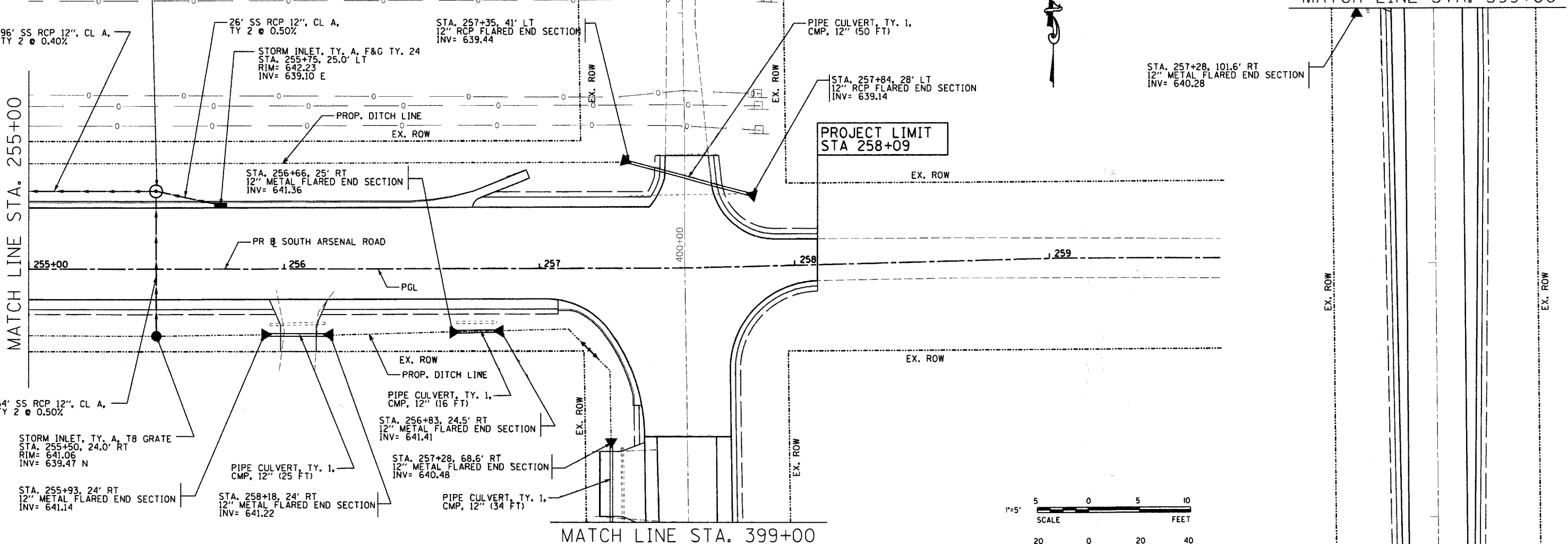
STA. 256+83, 24.5' RT
12" METAL FLARED END SECTION
INV= 641.41

STA. 257+28, 68.6' RT
12" METAL FLARED END SECTION
INV= 640.48

PIPE CULVERT, TY. 1,
CMP, 12" (34 FT)

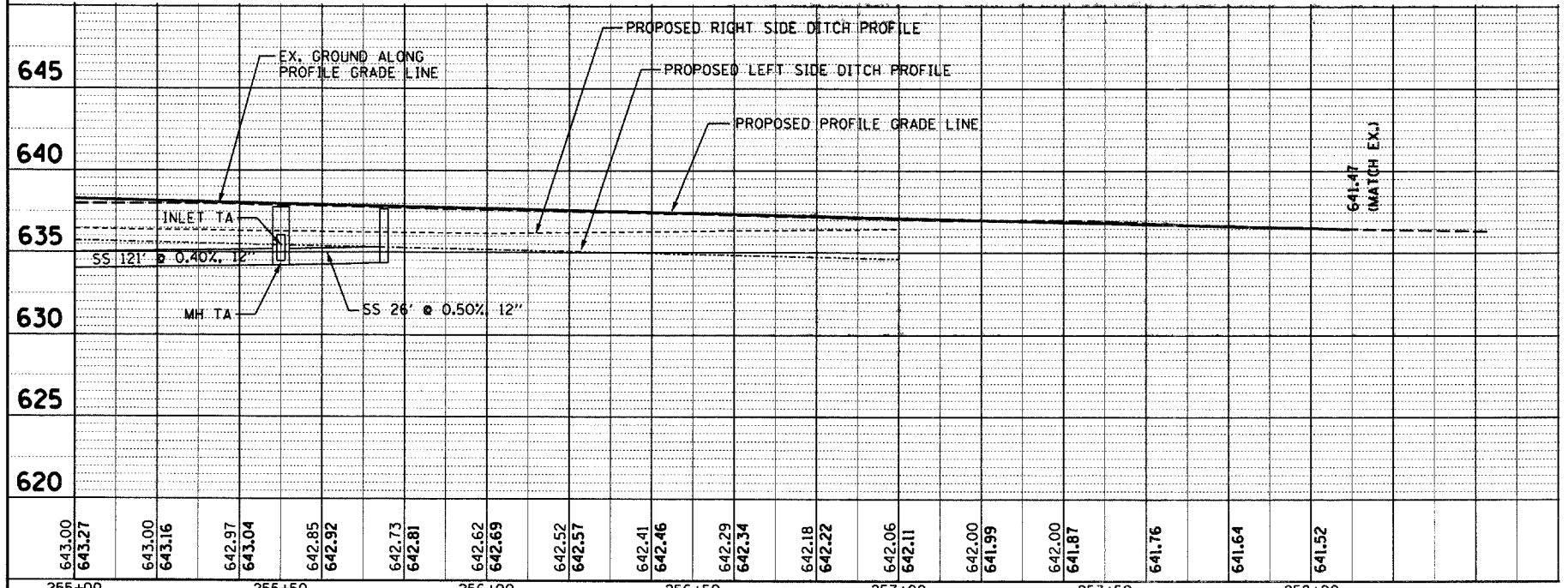
PROJECT LIMIT
STA 258+09

MATCH LINE STA. 399+00



MATCH LINE STA. 399+00

PROJECT LIMIT
STA 397+35



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DATE - 6/16/2008

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REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION






DRAINAGE PLAN AND PROFILE

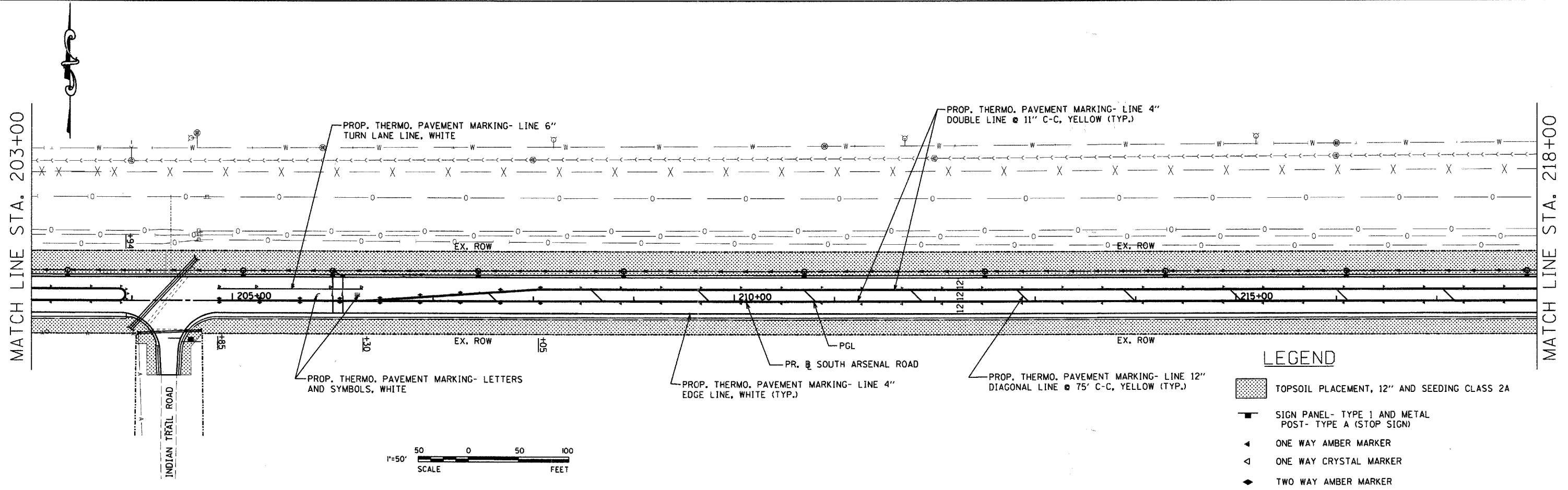
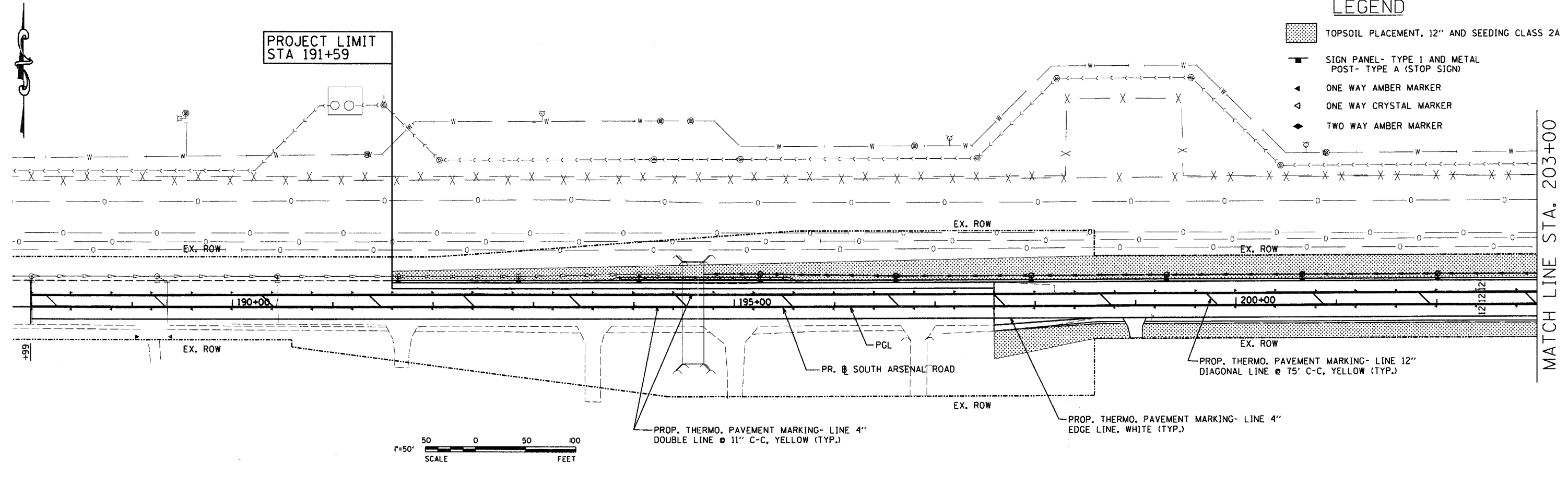
SCALE: 1"=20' SHEET NO. OF SHEETS STA. 255+00 TO STA. 258+09

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	36
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 63066				

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LEGEND

-  TOPSOIL PLACEMENT, 12" AND SEEDING CLASS 2A
-  SIGN PANEL- TYPE 1 AND METAL POST- TYPE A (STOP SIGN)
-  ONE WAY AMBER MARKER
-  ONE WAY CRYSTAL MARKER
-  TWO WAY AMBER MARKER



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CHECKED - MAR	REVISED -
DATE - 6/16/2008	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIGNING, PAVEMENT MARKING AND LANDSCAPING PLAN

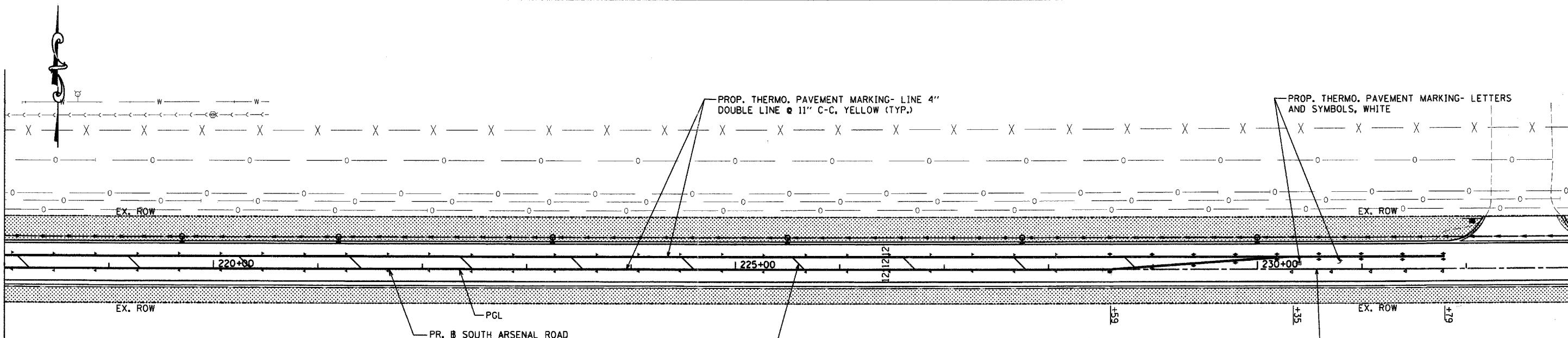
SCALE: 1"=20' SHEET NO. OF SHEETS STA. 188+00 TO STA. 218+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	37
CONTRACT NO. 63066				
ILLINOIS FED. AID PROJECT				

6/16/2008 High Project Joliet Arsenal Development Authority South Arsenal Road East CAD\$1837 PA.LAND.01.sht

MATCH LINE STA. 218+00

MATCH LINE STA. 233+00



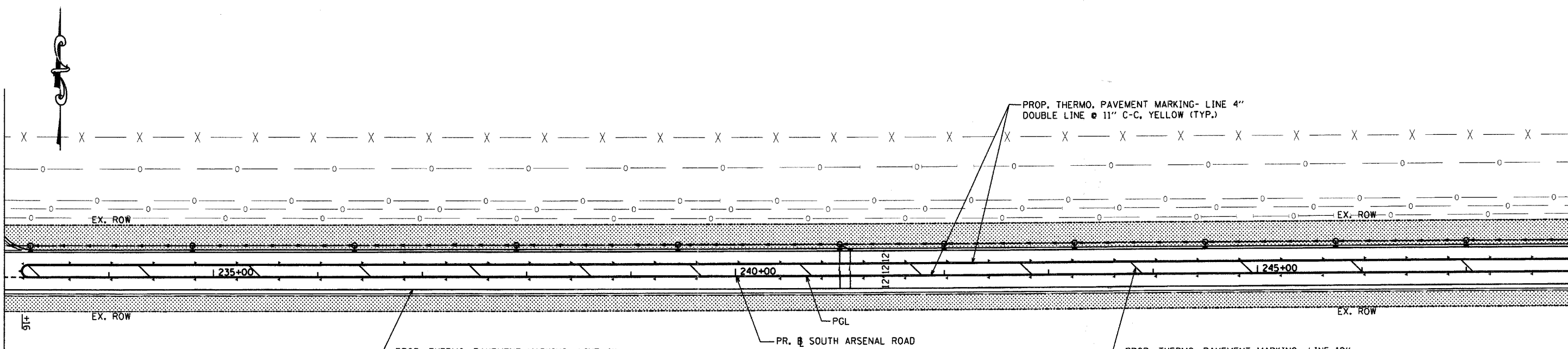
LEGEND

- TOPSOIL PLACEMENT, 12" AND SEEDING CLASS 2A
- SIGN PANEL- TYPE 1 AND METAL POST- TYPE A (STOP SIGN)
- ONE WAY AMBER MARKER
- ONE WAY CRYSTAL MARKER
- TWO WAY AMBER MARKER



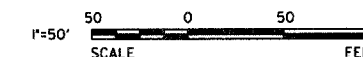
MATCH LINE STA. 233+00

MATCH LINE STA. 248+00



LEGEND

- TOPSOIL PLACEMENT, 12" AND SEEDING CLASS 2A
- SIGN PANEL- TYPE 1 AND METAL POST- TYPE A (STOP SIGN)
- ONE WAY AMBER MARKER
- ONE WAY CRYSTAL MARKER
- TWO WAY AMBER MARKER



6/16/2008 1:00 PM Project: Joliet Arsenal Development Authority South Arsenal Road.Esc&Address:138 PA.LAND.02.sht

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 DEPARTMENT OF TRANSPORTATION

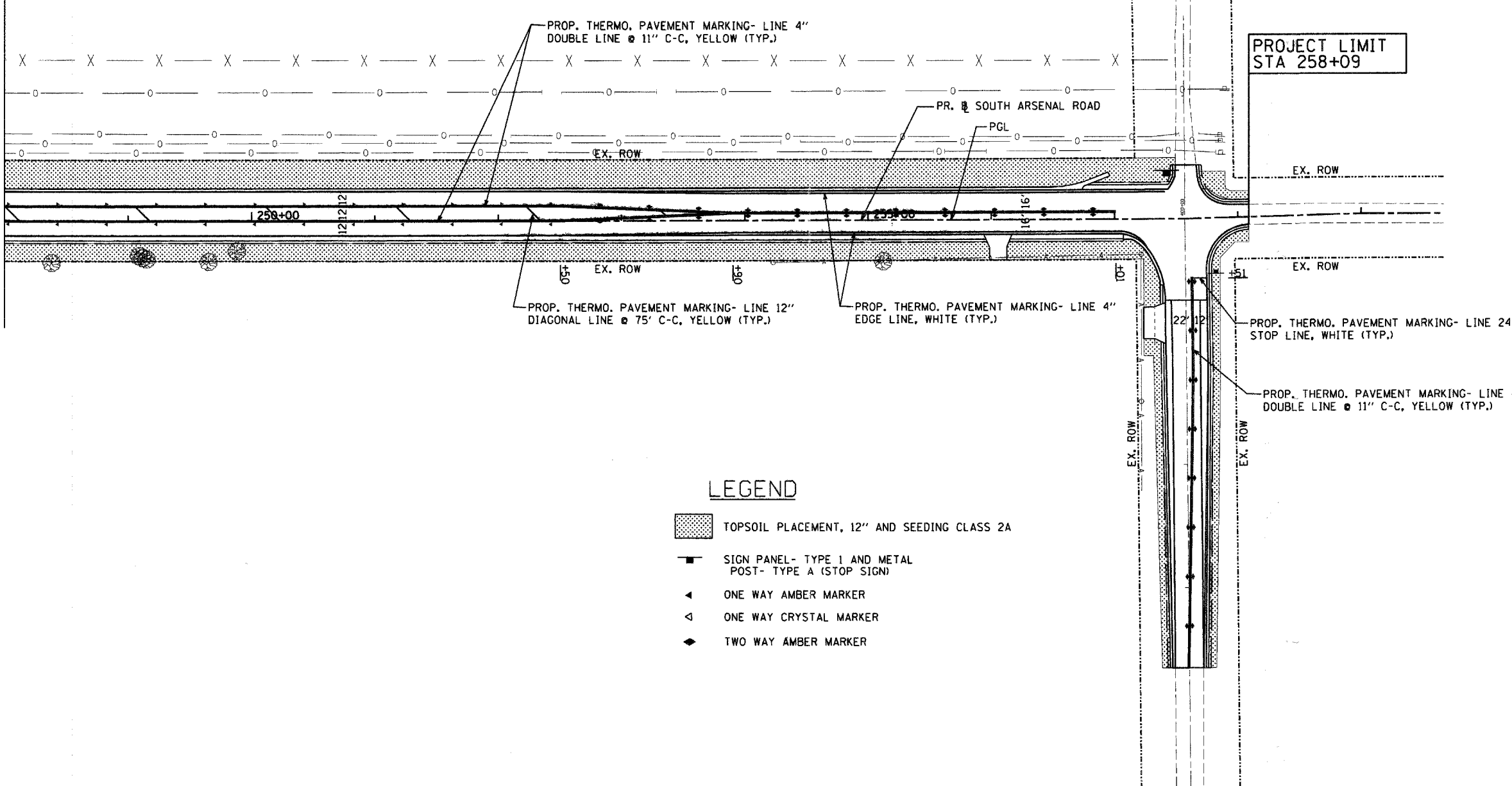
**SIGNING, PAVEMENT MARKING AND
 LANDSCAPING PLAN**

SCALE: 1"=20' SHEET NO. OF SHEETS STA. 218+00 TO STA. 248+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00:EP	WILL	89	38
CONTRACT NO. 63066				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				






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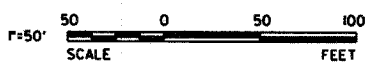
MATCH LINE STA. 248+00



PROJECT LIMIT
STA 258+09

LEGEND

-  TOPSOIL PLACEMENT, 12" AND SEEDING CLASS 2A
-  SIGN PANEL- TYPE 1 AND METAL POST- TYPE A (STOP SIGN)
-  ONE WAY AMBER MARKER
-  ONE WAY CRYSTAL MARKER
-  TWO WAY AMBER MARKER



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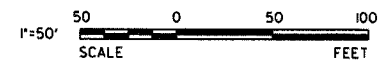
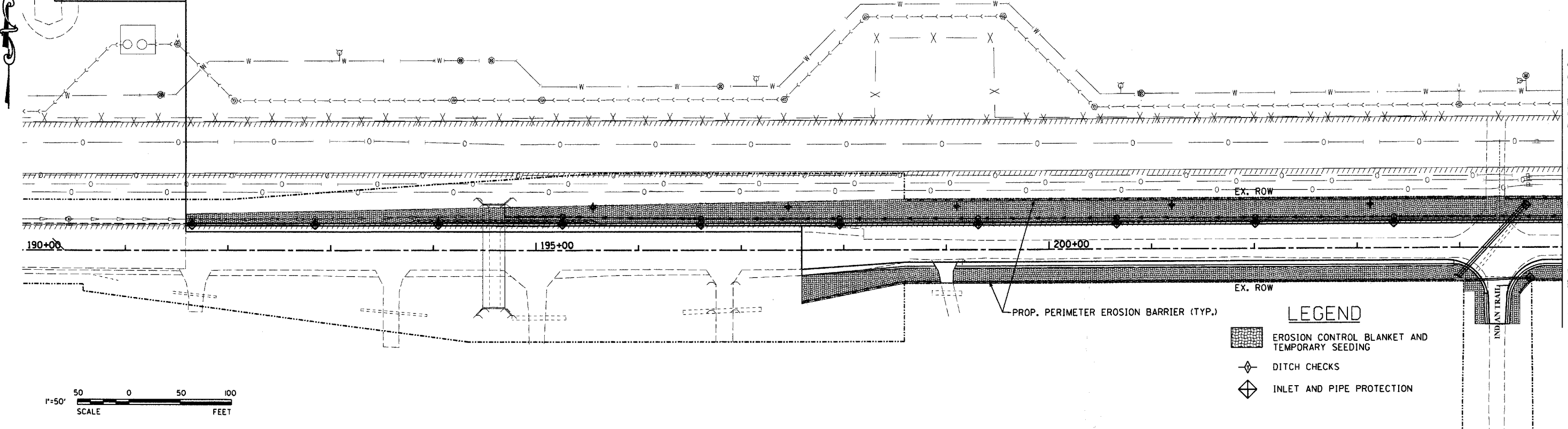
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION




SIGNING, PAVEMENT MARKING AND
LANDSCAPING PLAN

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	39
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63066	

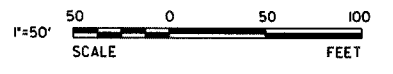
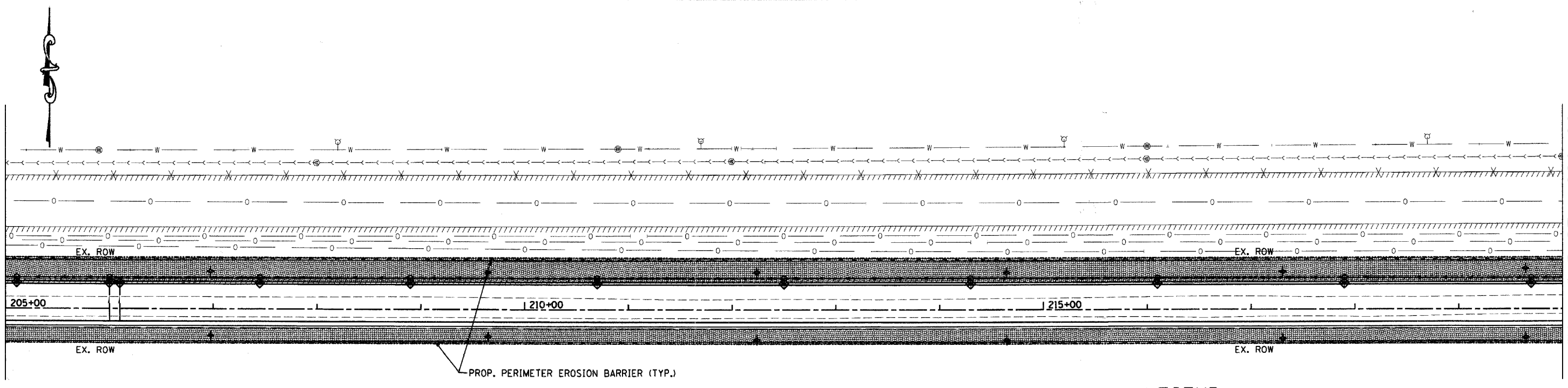
PROJECT LIMIT
STA 191+59






- LEGEND**
-  EROSION CONTROL BLANKET AND TEMPORARY SEEDING
 -  DITCH CHECKS
 -  INLET AND PIPE PROTECTION

MATCH LINE STA. 205+00

MATCH LINE STA. 205+00



- LEGEND**
-  EROSION CONTROL BLANKET AND TEMPORARY SEEDING
 -  DITCH CHECKS
 -  INLET AND PIPE PROTECTION

MATCH LINE STA. 220+00

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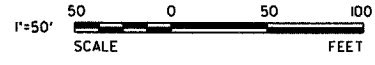
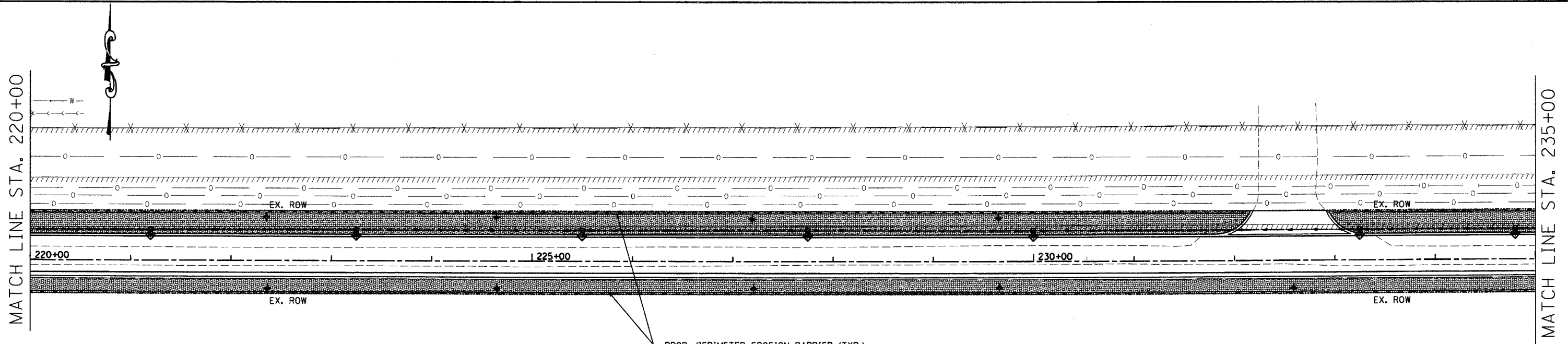
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

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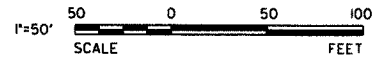
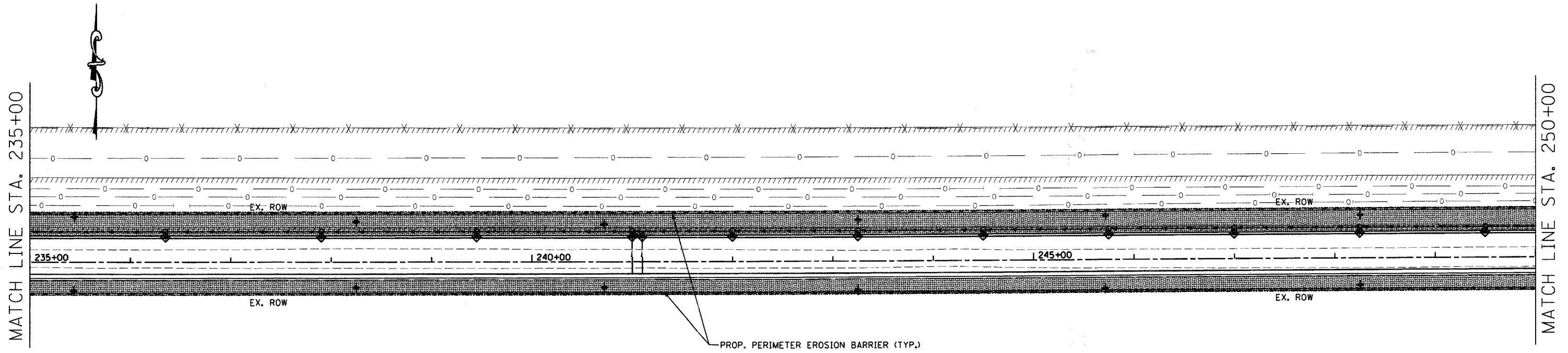
EROSION CONTROL PLAN




SCALE: 1"=50' SHEET NO. OF SHEETS STA. 190+00 TO STA. 220+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	40
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 63066				



- LEGEND**
-  EROSION CONTROL BLANKET AND TEMPORARY SEEDING
 -  DITCH CHECKS
 -  INLET AND PIPE PROTECTION



- LEGEND**
-  EROSION CONTROL BLANKET AND TEMPORARY SEEDING
 -  DITCH CHECKS
 -  INLET AND PIPE PROTECTION

6/16/2008 K:\Projects\Joliet Arsenal Development Authority\South Arsenal Road\Esos\CADD\Sheet\41 EROSION.02.sht

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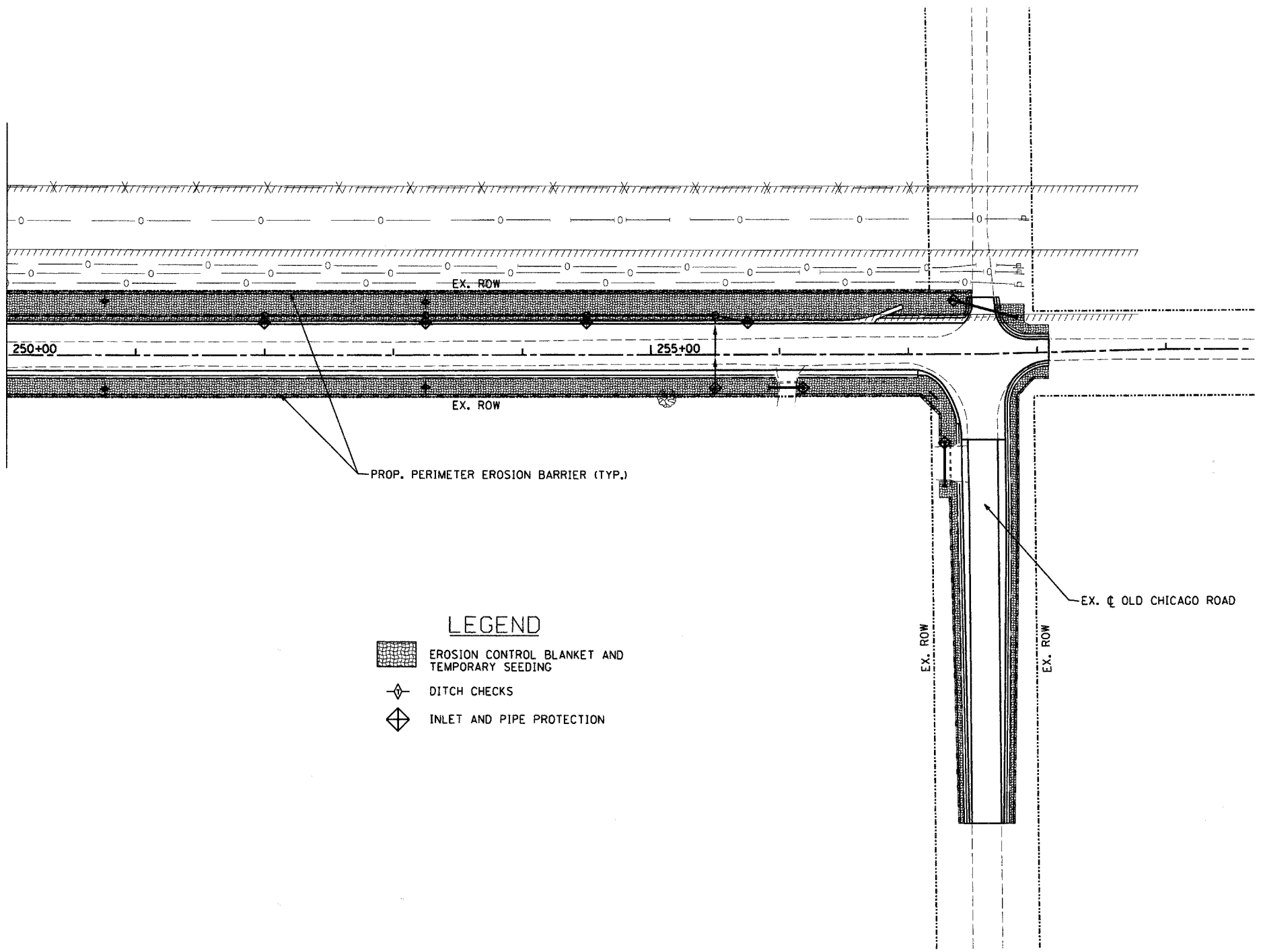
EROSION CONTROL PLAN




SCALE: 1"=50' SHEET NO. OF SHEETS STA. 220+00 TO STA. 250+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	41
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 63066				

6/16/2008 K:\Projects\Joliet Arsenal Development Authority\South Arsenal Road\East\CADD\Shr\42 EROSION.03.dwg

MATCH LINE STA. 250+00



- LEGEND**
-  EROSION CONTROL BLANKET AND TEMPORARY SEEDING
 -  DITCH CHECKS
 -  INLET AND PIPE PROTECTION



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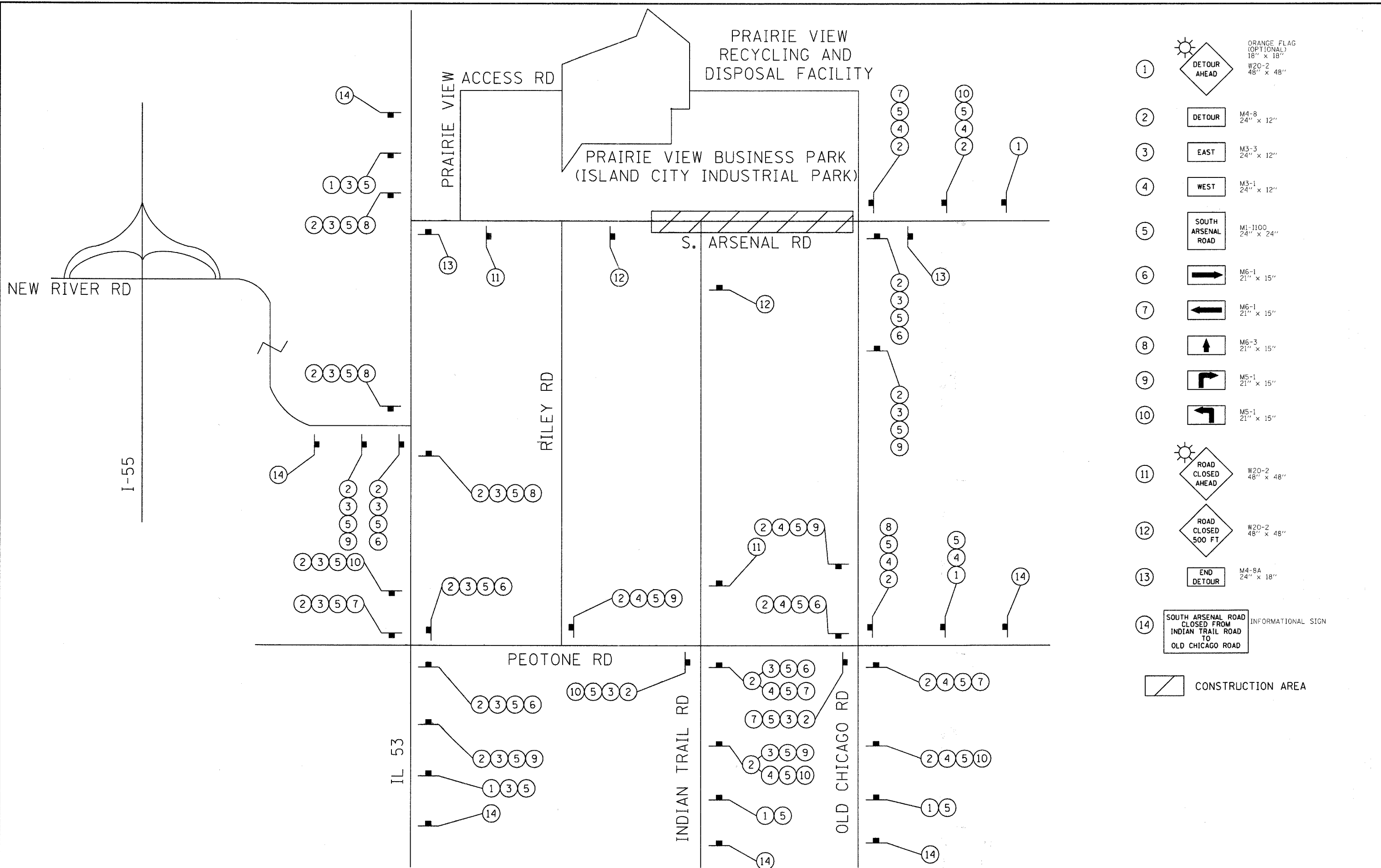
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION












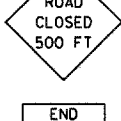

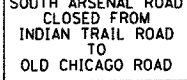
EROSION CONTROL PLAN

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 250+00 TO STA. 258+09

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	42
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 63066		

6/16/2008 K:\Projects\Boller Arsenal Development Authority\South Arsenal Road\East\CADD\Sheet\43 Detour-01.sht



- ①  **DETOUR AHEAD** ORANGE FLAG (OPTIONAL) 18" x 18" W20-2 48" x 48"
- ②  **DETOUR** M4-8 24" x 12"
- ③  **EAST** M3-3 24" x 12"
- ④  **WEST** M3-1 24" x 12"
- ⑤  **SOUTH ARSENAL ROAD** M1-1100 24" x 24"
- ⑥  M6-1 21" x 15"
- ⑦  M6-1 21" x 15"
- ⑧  M6-3 21" x 15"
- ⑨  M5-1 21" x 15"
- ⑩  M5-1 21" x 15"
- ⑪  **ROAD CLOSED AHEAD** W20-2 48" x 48"
- ⑫  **ROAD CLOSED 500 FT** W20-2 48" x 48"
- ⑬  **END DETOUR** M4-8A 24" x 18"
- ⑭  **SOUTH ARSENAL ROAD CLOSED FROM INDIAN TRAIL ROAD TO OLD CHICAGO ROAD** INFORMATIONAL SIGN

 **CONSTRUCTION AREA**

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 (630) 420-1700
 WWW.ESICONCONSULTANTS.LTD.COM
 ILLINOIS DEPARTMENT OF PROFESSIONAL REGULATION REGISTRATION #164-003885

DESIGNED - JRS	REVISED -
DRAWN - DJN	REVISED -
CHECKED - MAR	REVISED -
DATE - 6/16/2008	REVISED -

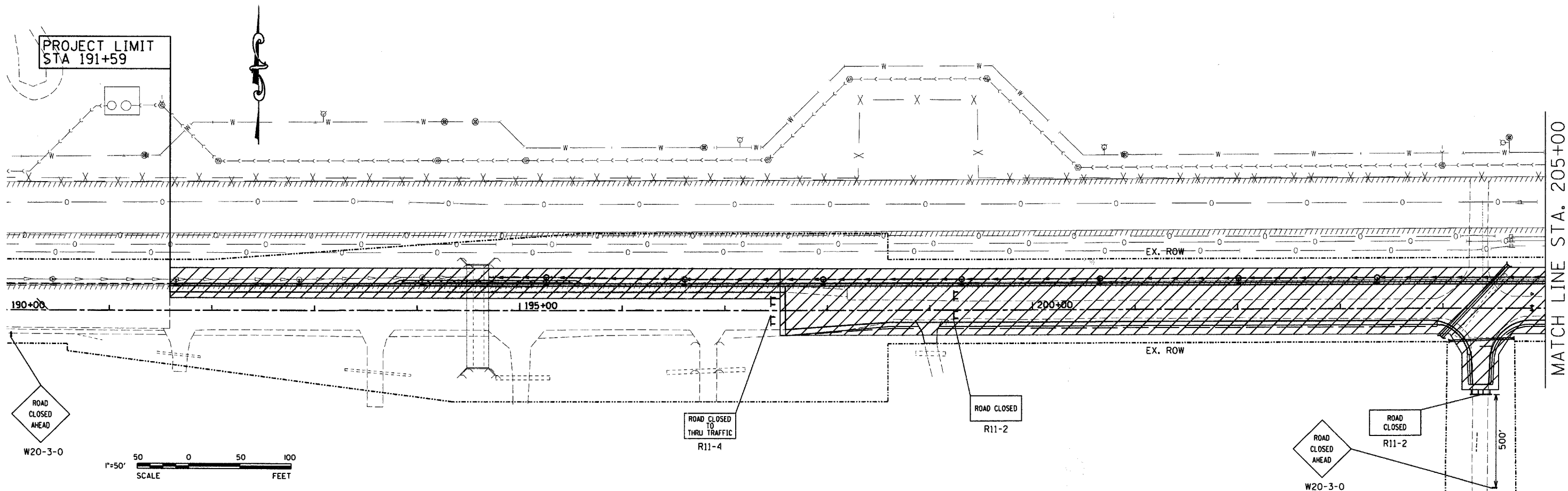
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETOUR PLAN

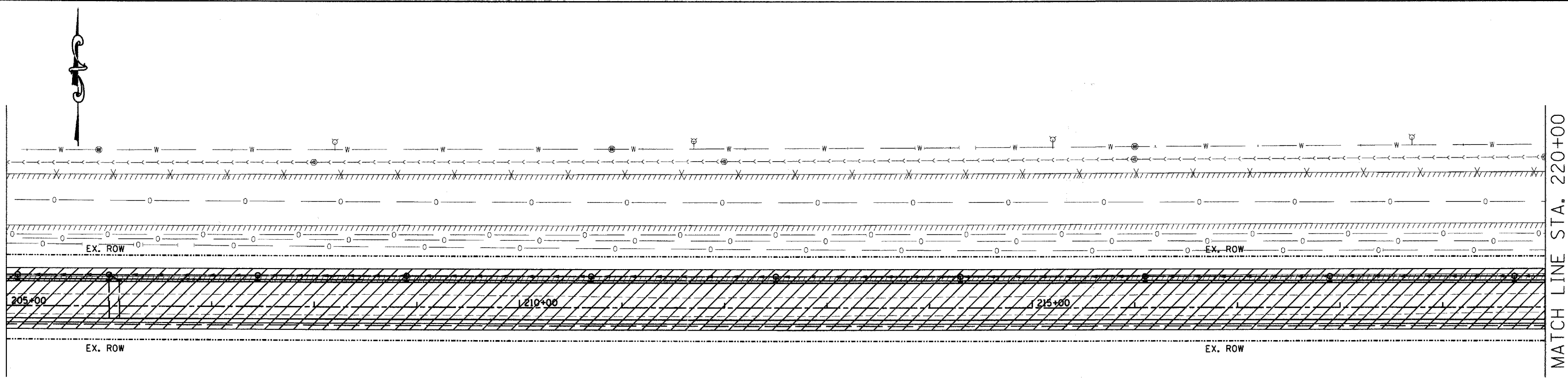
SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	43
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63066	

6/16/2008 ESICONSULTANTS, LTD. South Arsenal Road, East of I-55, Station 191+59 to 220+00, Sheet 44 of 44



MATCH LINE STA. 205+00



MATCH LINE STA. 220+00

LEGEND

- CONSTRUCTION WORK ZONE
- TYPE III BARRICADE WITH FLASHING LIGHTS
- SIGN

NOTES

LOCAL ACCESS TO SOUTH ARSENAL ROAD RESIDENCES MUST BE MAINTAINED DURING CONSTRUCTION

ESI CONSULTANTS, LTD
 1975 N. MILL STREET, SUITE 100
 NAPERVILLE, IL 60563
 (630) 420-1700
 WWW.ESICONSULTANTS.COM

DESIGNED	- JRS	REVISED	-
DRAWN	- DJN	REVISED	-
CHECKED	- MAR	REVISED	-
DATE	- 6/16/2008	REVISED	-

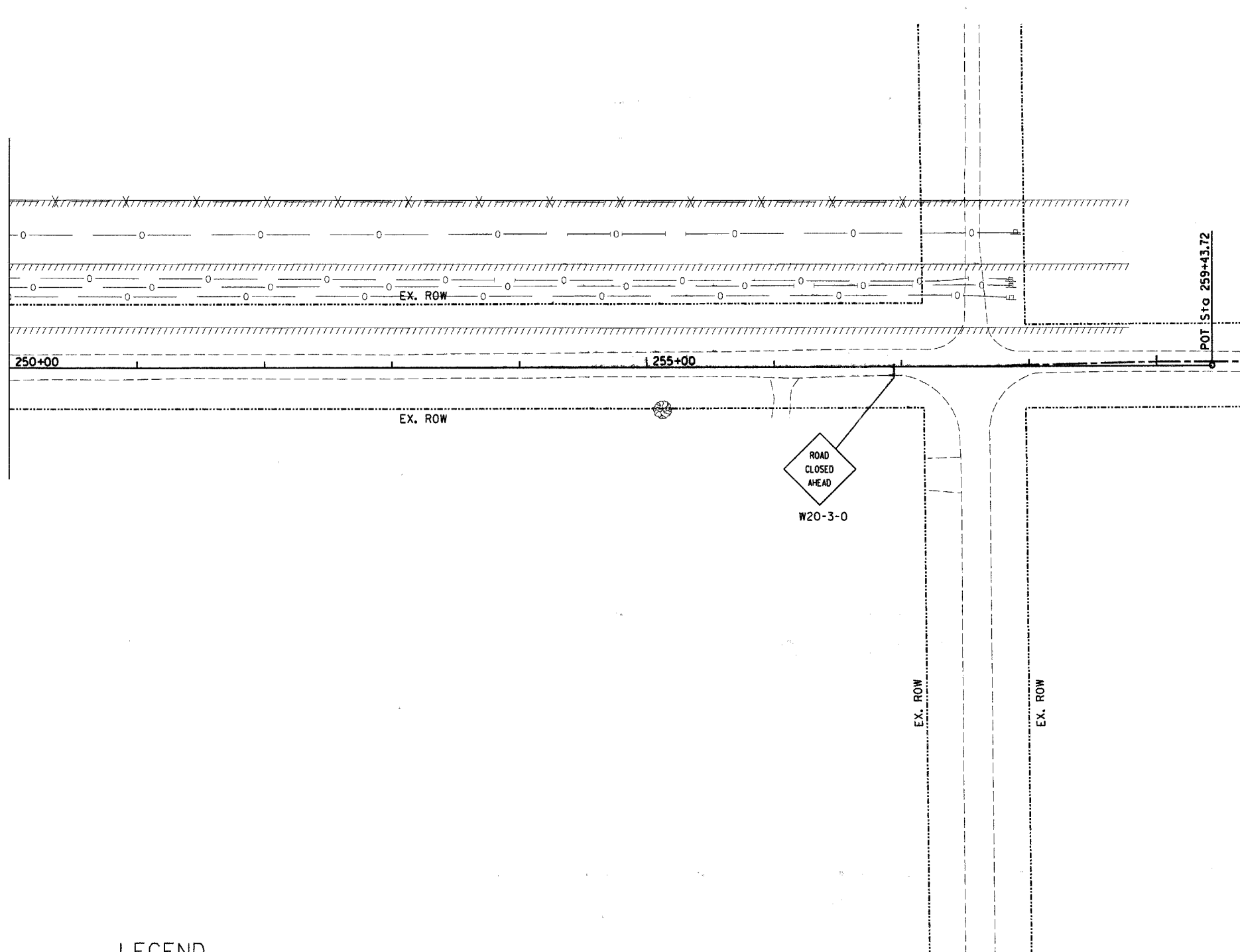
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC PLAN
 STAGE 1
 SCALE: 1"=50' SHEET NO. OF SHEETS STA. 190+00 TO STA. 220+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	44
CONTRACT NO. 63066				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

6/16/2008 11:48:01 AM C:\Users\jgiles\Documents\South Arsenal Road\Estimate\South Arsenal Road\Estimate\Sheet\46 MOT-01.03.sht

MATCH LINE STA. 250+00



LEGEND

- CONSTRUCTION WORK ZONE
- TYPE III BARRICADE WITH FLASHING LIGHTS
- SIGN

NOTES

LOCAL ACCESS TO SOUTH ARSENAL ROAD
RESIDENCES MUST BE MAINTAINED
DURING CONSTRUCTION

ESI CONSULTANTS, LTD
1676 N. MILL STREET, SUITE 100
NAPERVILLE, IL 60563
(630) 420-1700
WWW.ESICONSULTANTS.LTD.COM
ILLINOIS DEPARTMENT OF PROFESSIONAL REGULATION REGISTRATION #184-003885

DESIGNED - JRS	REVISED -
DRAWN - DJN	REVISED -
CHECKED - MAR	REVISED -
DATE - 6/16/2008	REVISED -

DESIGNED - JRS	REVISED -
DRAWN - DJN	REVISED -
CHECKED - MAR	REVISED -
DATE - 6/16/2008	REVISED -

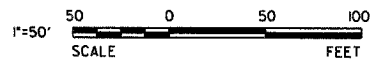
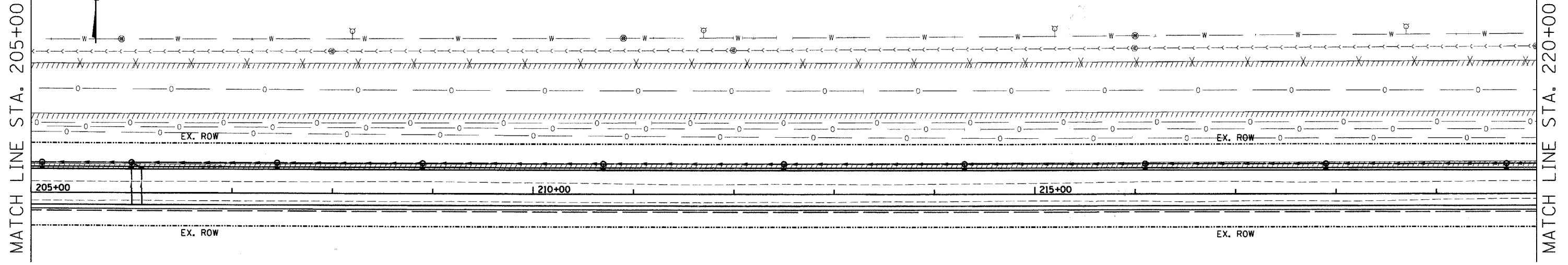
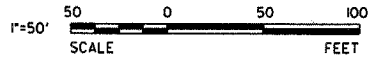
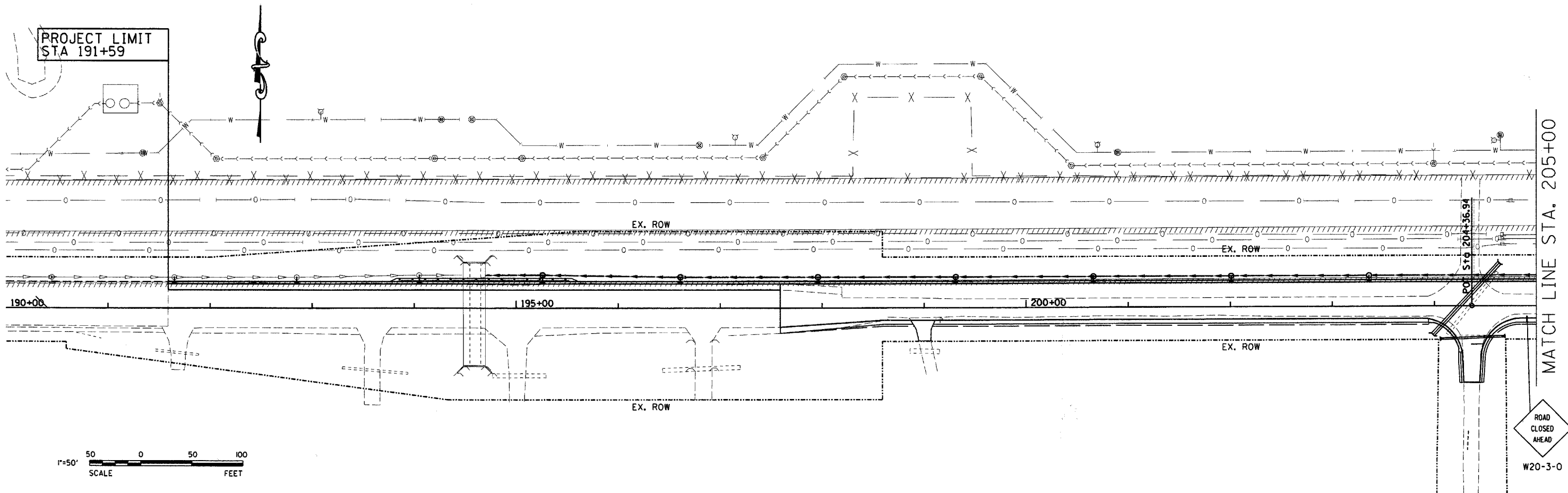
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PLAN
STAGE 1**

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 250+00 TO STA. 258+09

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	46
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63066	

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- LEGEND**
- CONSTRUCTION WORK ZONE
 - TYPE III BARRICADE WITH FLASHING LIGHTS
 - SIGN

NOTES
 LOCAL ACCESS TO SOUTH ARSENAL ROAD RESIDENCES MUST BE MAINTAINED DURING CONSTRUCTION

ESI CONSULTANTS, LTD
 1875 N. MILLS STREET, SUITE 100
 NAPERVILLE, IL 60563
 (630) 423-7700
 WWW.ESICONSULTANTS.LTD.COM
 ILLINOIS DEPARTMENT OF PROFESSIONAL REGULATION REGISTRATION #184-003665

DESIGNED - JRS	REVISED -
DRAWN - DJN	REVISED -
CHECKED - MAR	REVISED -
DATE - 6/16/2008	REVISED -

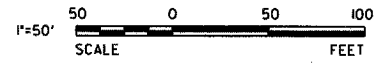
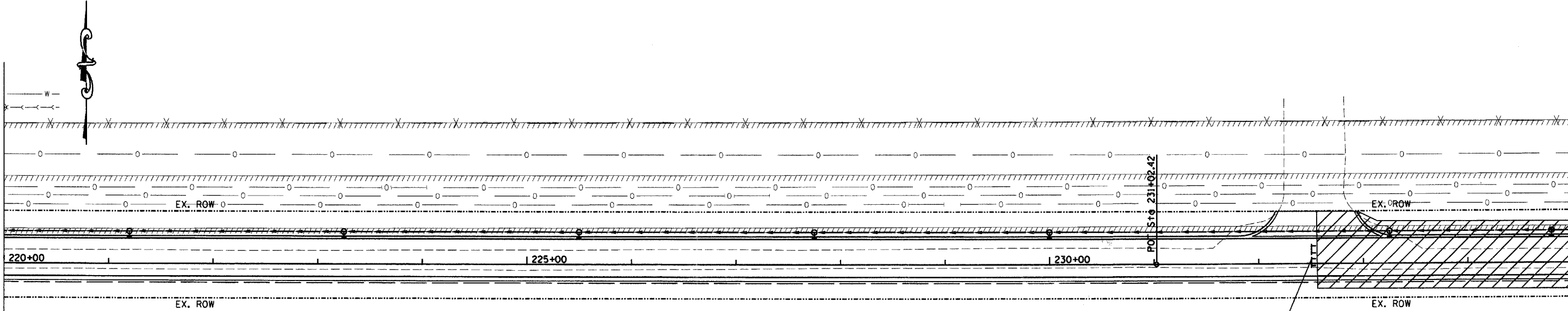
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC PLAN
 STAGE 2**
 SCALE: 1"=50' SHEET NO. OF SHEETS STA. 190+00 TO STA. 220+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	47
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 63066				

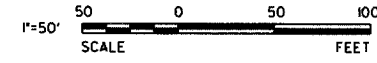
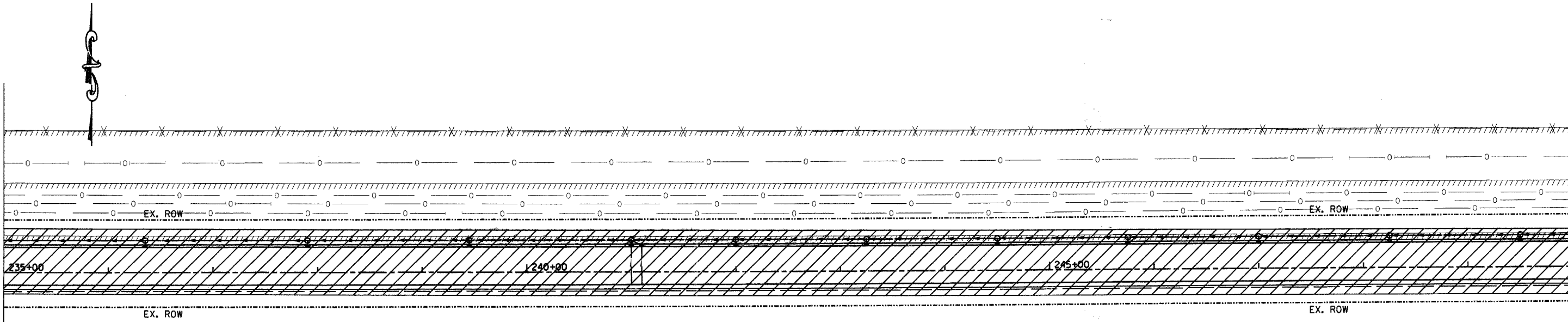
MATCH LINE STA. 220+00

MATCH LINE STA. 235+00



MATCH LINE STA. 235+00

MATCH LINE STA. 250+00



LEGEND

- CONSTRUCTION WORK ZONE
- TYPE III BARRICADE WITH FLASHING LIGHTS
- SIGN

NOTES

LOCAL ACCESS TO SOUTH ARSENAL ROAD RESIDENCES MUST BE MAINTAINED DURING CONSTRUCTION

6/16/2008 ESICONSULTANTS@South Arsenal Road.Esics\ESICADD\stg48 MOI.02.02.sht

ESI ESI CONSULTANTS, LTD
 1078 N. MILL STREET, SUITE 100
 NAPERVILLE, IL 60563
 (630) 425-1700
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 ILLINOIS DEPARTMENT OF PROFESSIONAL REGULATION REGISTRATION #184-003686

DESIGNED - JRS	REVISED -
DRAWN - DJN	REVISED -
CHECKED - MAR	REVISED -
DATE - 6/16/2008	REVISED -

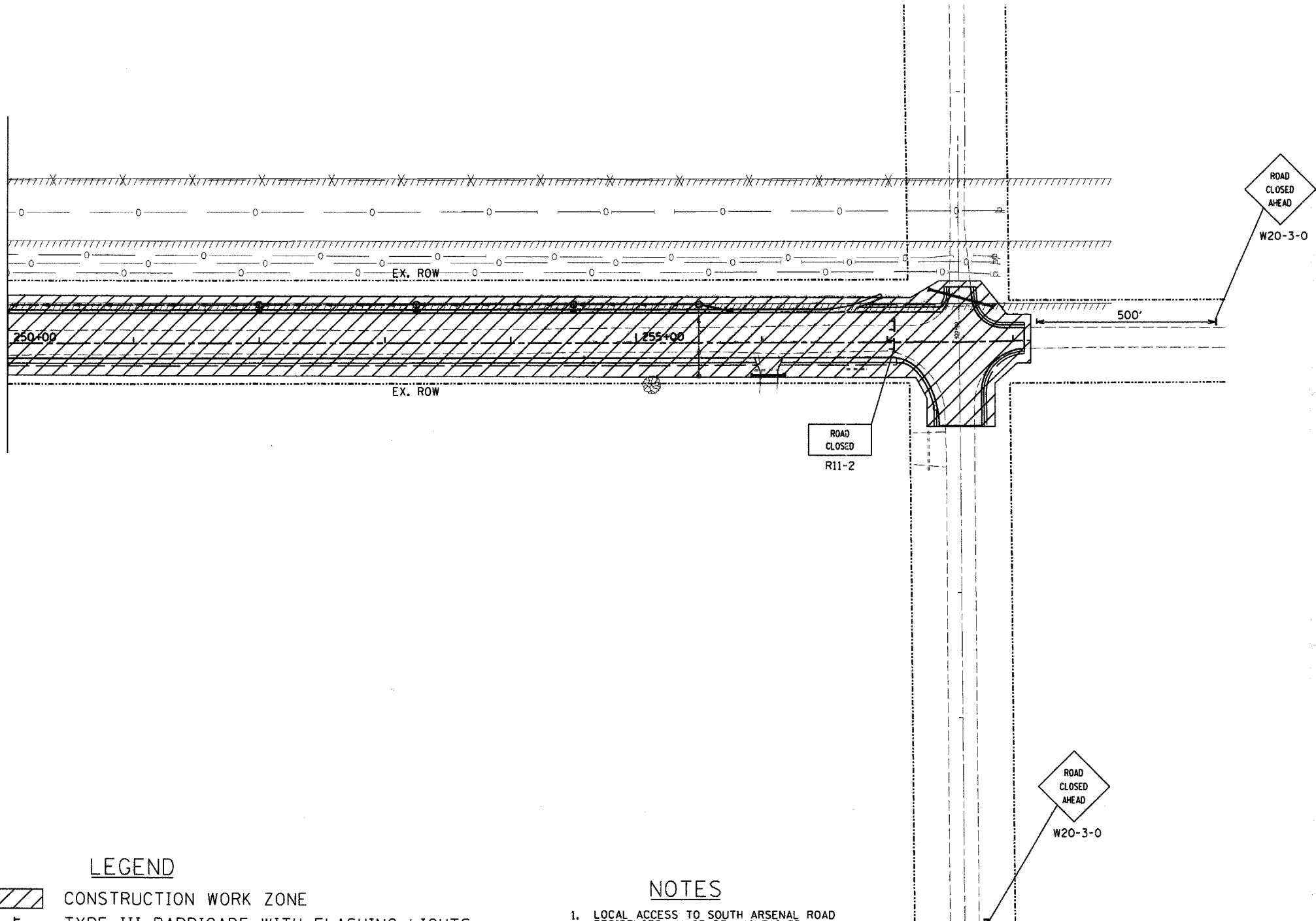
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC PLAN
 STAGE 2
 SCALE: 1"=20' SHEET NO. OF SHEETS STA. 220+00 TO STA. 250+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	48
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 63066		

6/16/2008 AgProj.ctb South Arsenal Development Authority\South Arsenal Road.Eas\CAD\Drawings\MOT_02.03.sht

MATCH LINE STA. 250+00



LEGEND

- CONSTRUCTION WORK ZONE
- TYPE III BARRICADE WITH FLASHING LIGHTS
- SIGN

NOTES

1. LOCAL ACCESS TO SOUTH ARSENAL ROAD RESIDENCES MUST BE MAINTAINED DURING CONSTRUCTION
2. INTERSECTION SHALL BE OPEN DURING STAGED CONSTRUCTION

ESI CONSULTANTS, LTD
 1575 N. MILL STREET, SUITE 100
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 (630) 420-1700
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DRAWN - DJN	REVISED -
CHECKED - MAR	REVISED -
DATE - 6/16/2008	REVISED -

DESIGNED - JRS	REVISED -
DRAWN - DJN	REVISED -
CHECKED - MAR	REVISED -
DATE - 6/16/2008	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

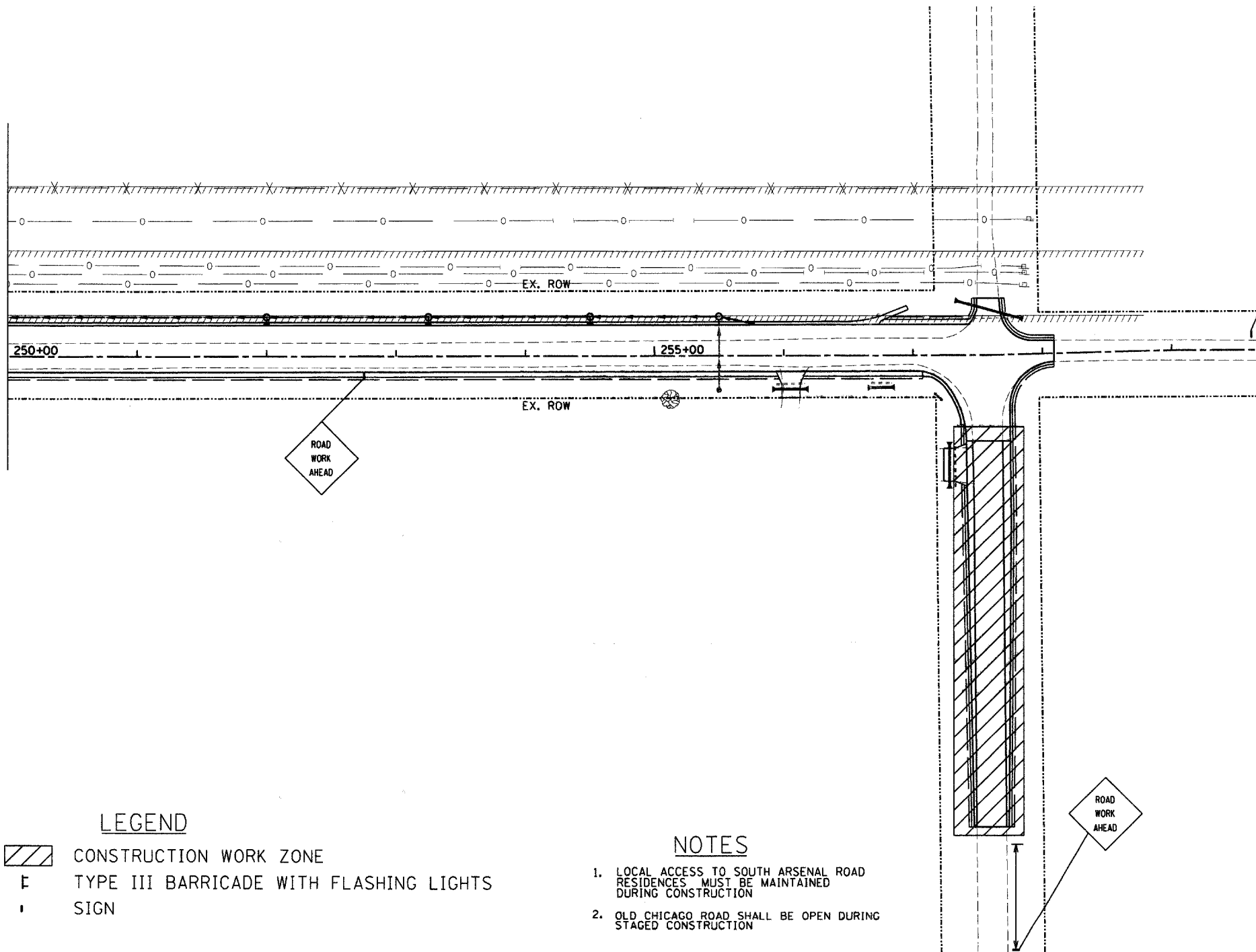
**MAINTENANCE OF TRAFFIC PLAN
STAGE 2**

SCALE: 1"=50' SHEET NO. OF SHEETS STA. 250+00 TO STA. 258+09




F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63066	

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MATCH LINE STA. 250+00

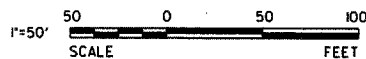


LEGEND

-  CONSTRUCTION WORK ZONE
-  TYPE III BARRICADE WITH FLASHING LIGHTS
-  SIGN

NOTES

1. LOCAL ACCESS TO SOUTH ARSENAL ROAD RESIDENCES MUST BE MAINTAINED DURING CONSTRUCTION
2. OLD CHICAGO ROAD SHALL BE OPEN DURING STAGED CONSTRUCTION



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 NAPERVILLE, IL 60563
 (630) 420-1700
 WWW.ESI-CONSULTANTS.COM

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DRAWN - DJN	REVISED -
CHECKED - MAR	REVISED -
DATE - 6/16/2008	REVISED -

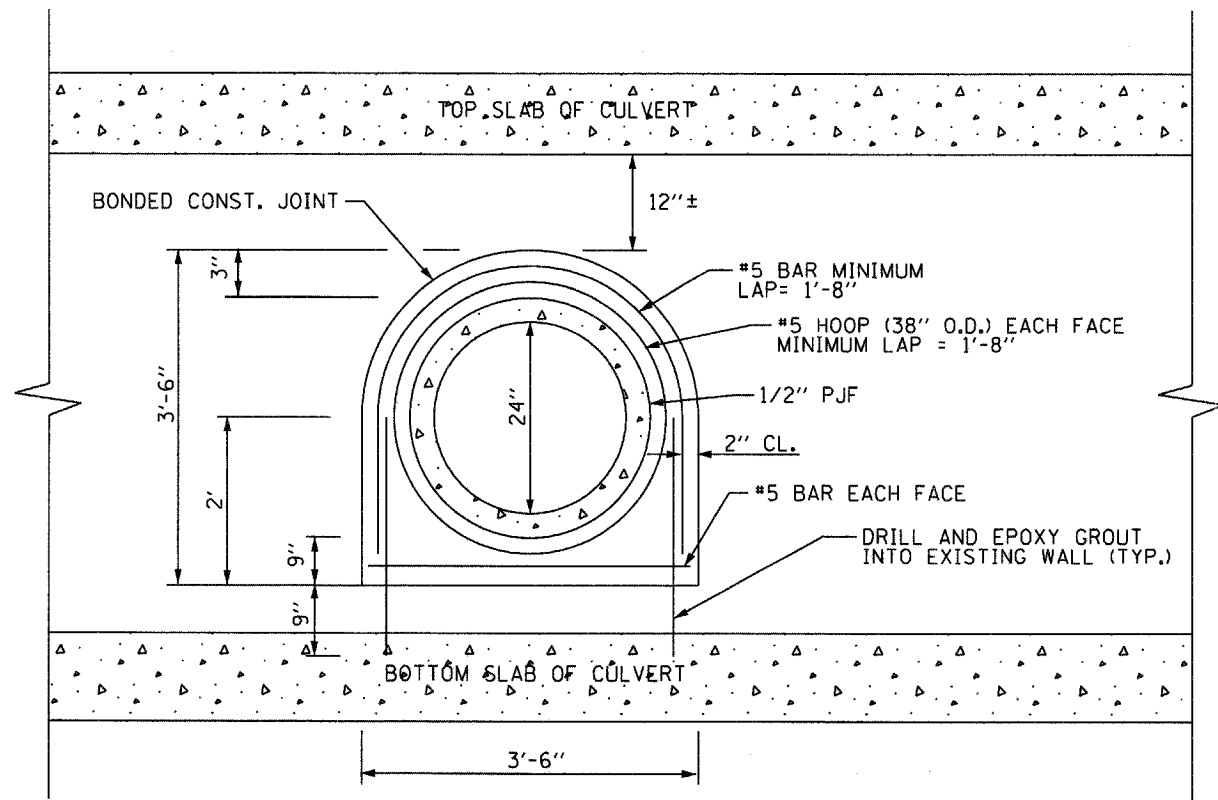
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

MAINTENANCE OF TRAFFIC PLAN
 STAGE 2A

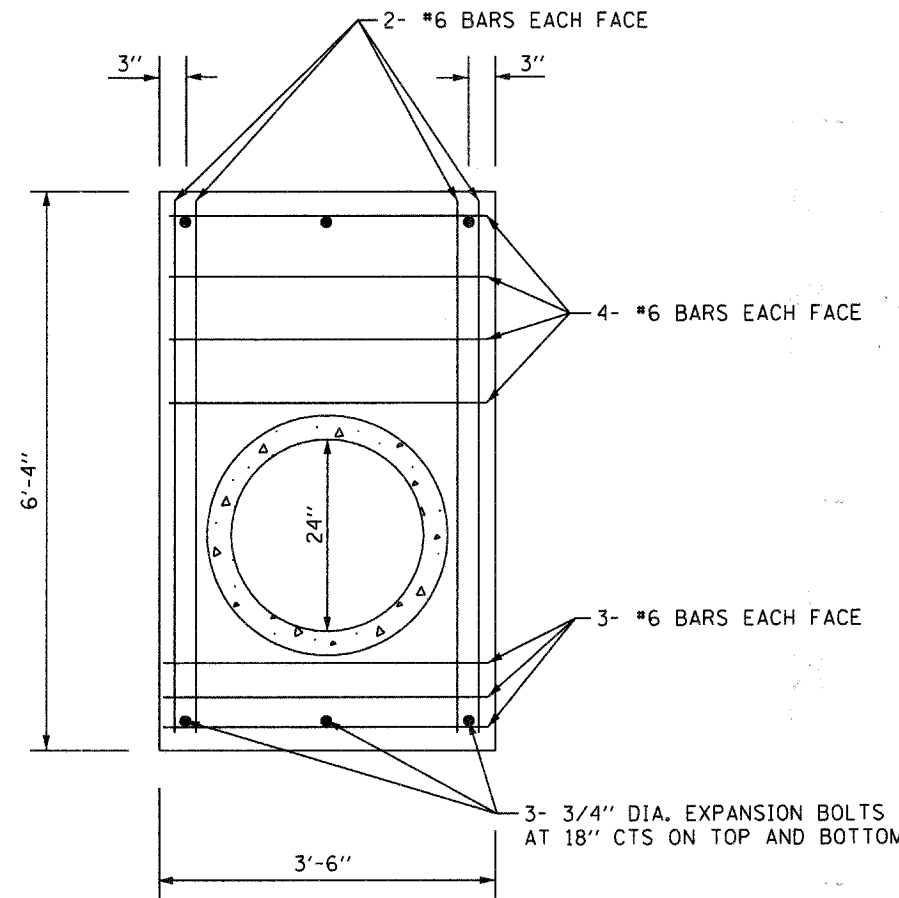
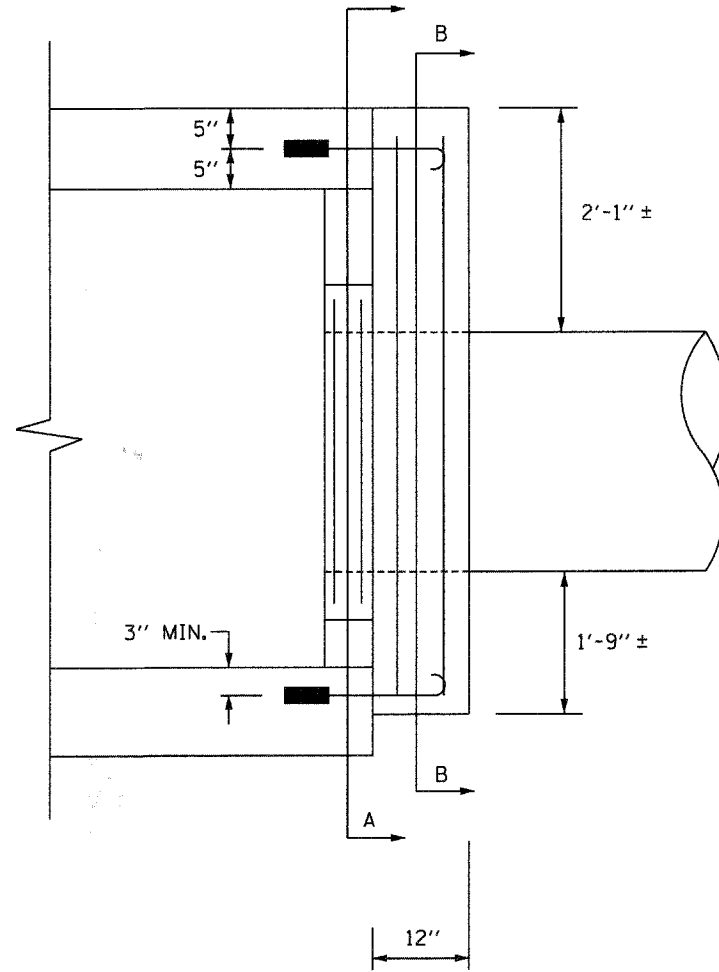
SCALE: 1"=50' SHEET NO. OF SHEETS STA. 250+00 TO STA. 258+09

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	50
CONTRACT NO. 63066				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

6/16/2008 Right of Way/Utility Arsenault Development Authority/South Arsenault Road/Est/CADD/SH/ESI Culvert Detail.sht



SECTION A-A
EXISTING BOX CULVERT



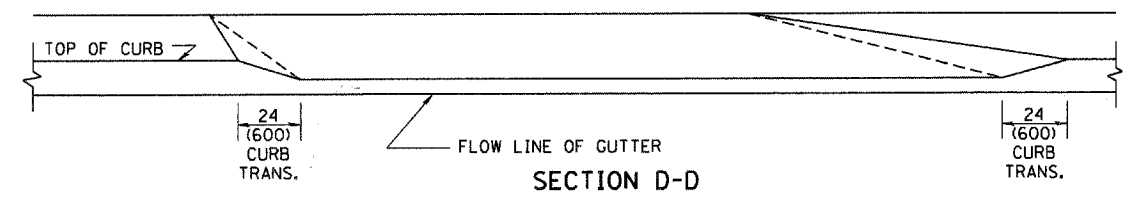
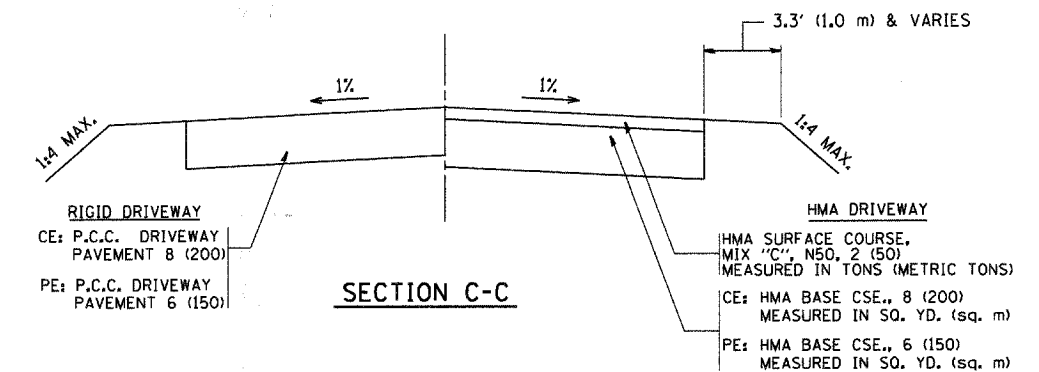
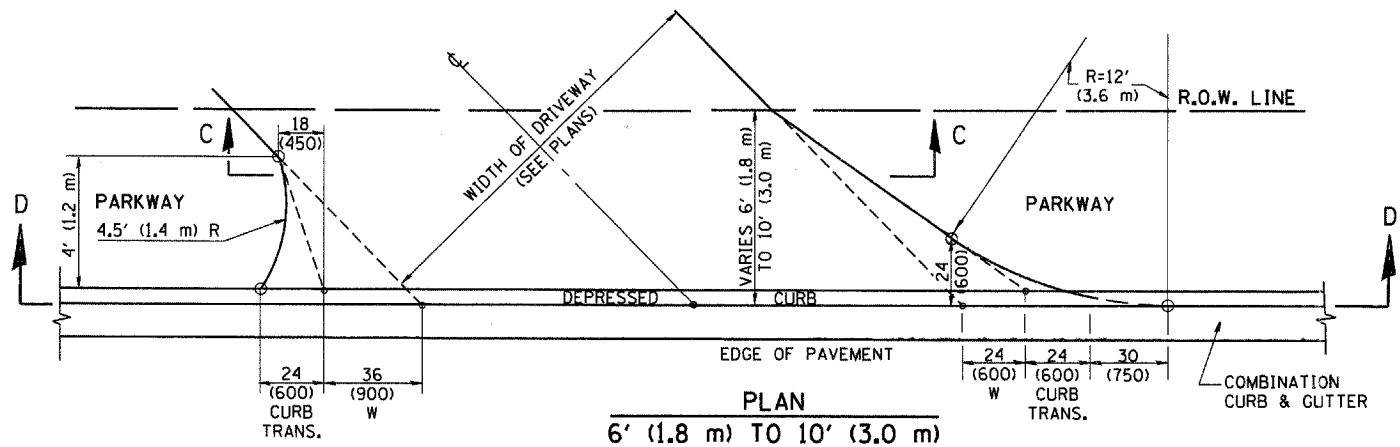
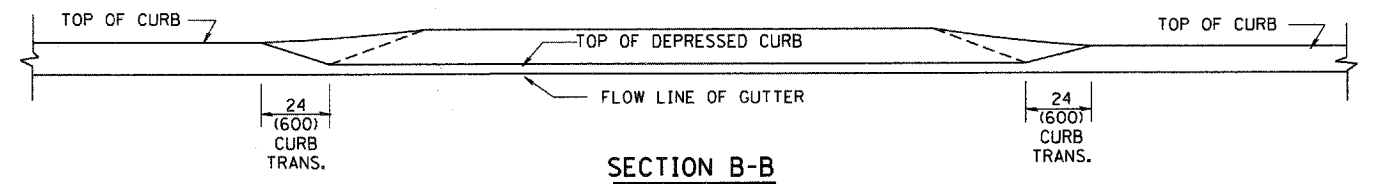
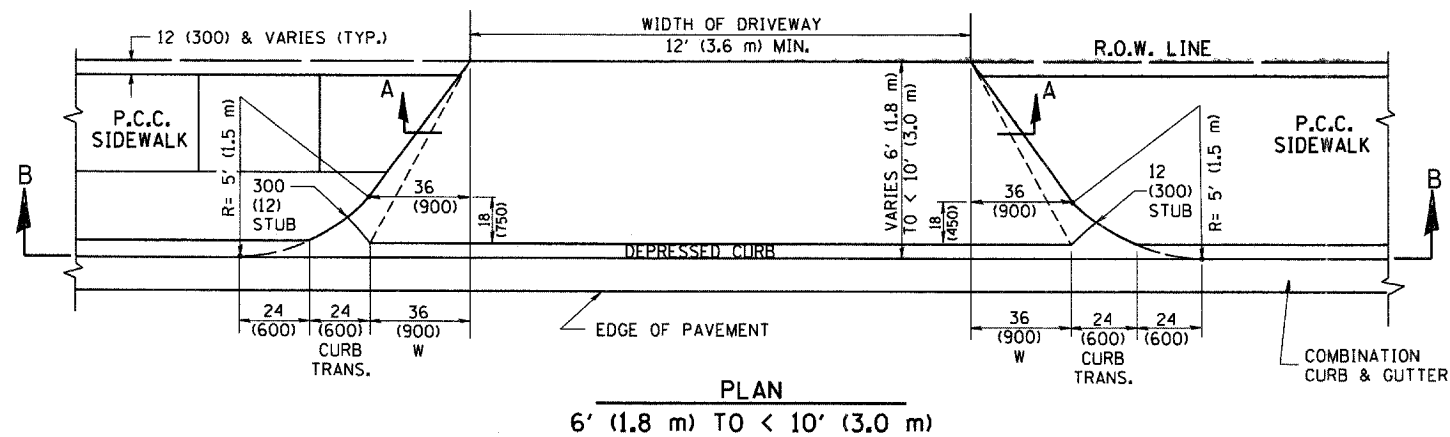
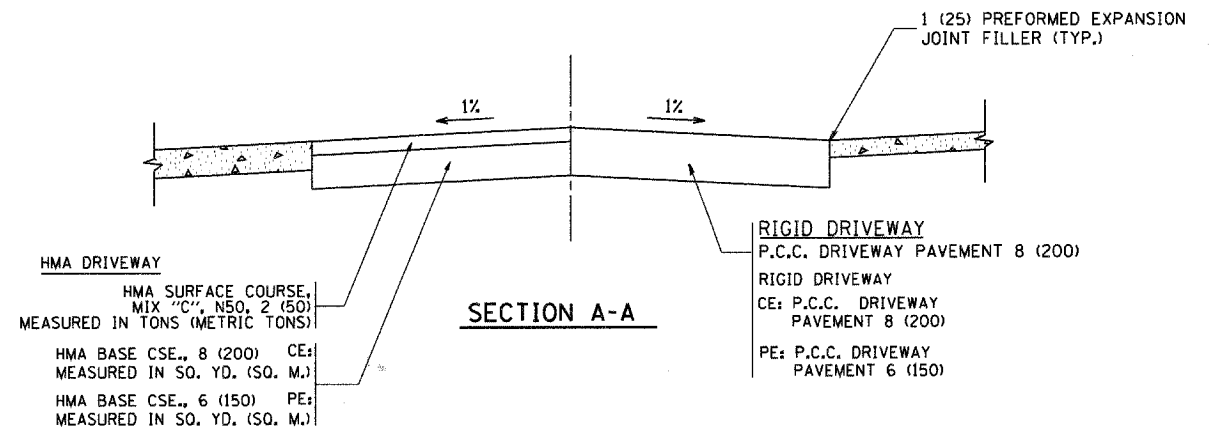
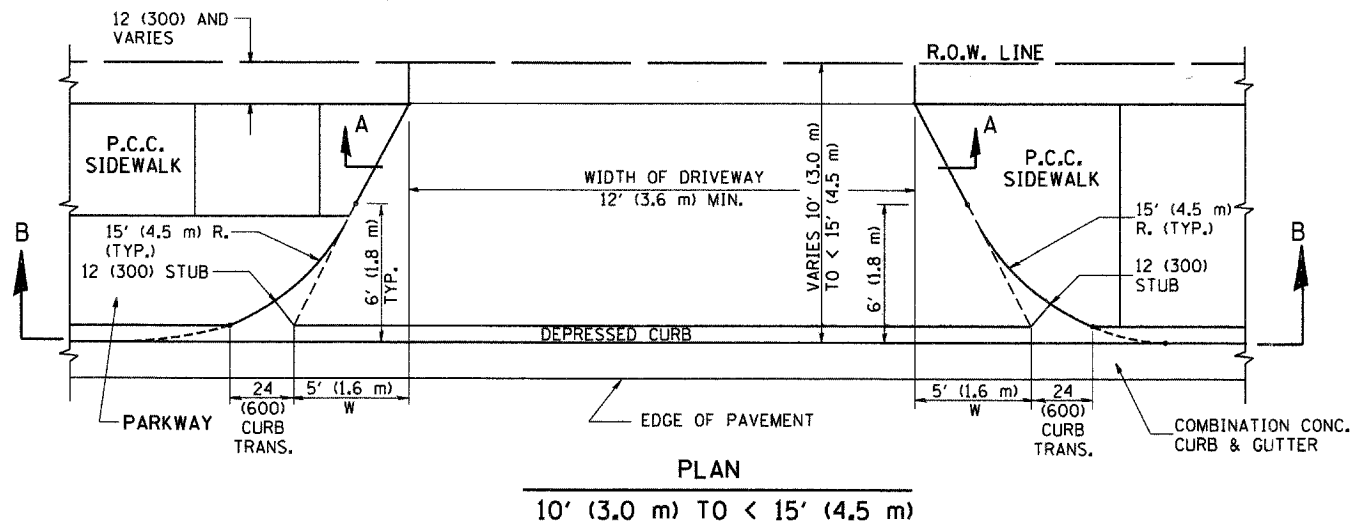
SECTION B-B
CONCRETE COLLAR

NOTE:
EXPANSION BOLTS SHALL BE 3/4" DIA. HOOK BOLTS. HOOK BOLTS SHALL EXTEND A MINIMUM OF 9" INTO NEW CONCRETE

NOT TO SCALE

DESIGNED - JRS	REVISED -
DRAWN - DJN	REVISED -
CHECKED - MAR	REVISED -
DATE - 6/16/2008	REVISED -

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	51
CONTRACT NO. 63066				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



GENERAL NOTES

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

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

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

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

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

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

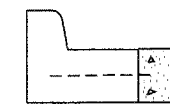
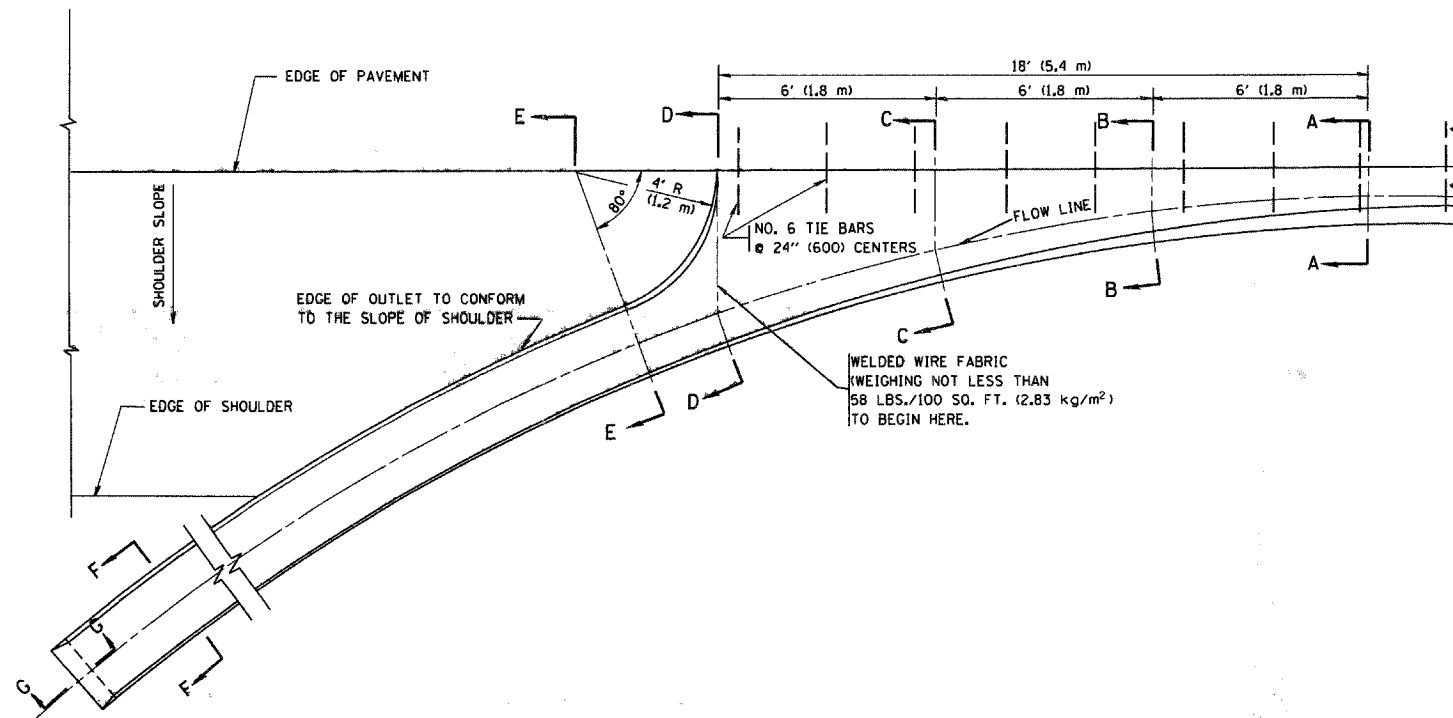
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

FILE NAME = W:\dststd\22x34\bd02.dgn	USER NAME = geglvanobt	DESIGNED - R. SHAH	REVISED - T. HOLTZ 04-08-97
		DRAWN -	REVISED - M. GOMEZ 04-06-01
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - P. LOFLEUR 04-15-03
	PLOT DATE = 1/4/2008	DATE - 11-06-95	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

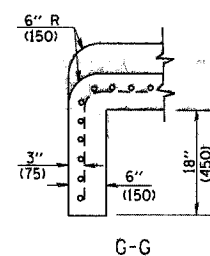
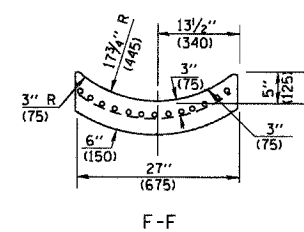
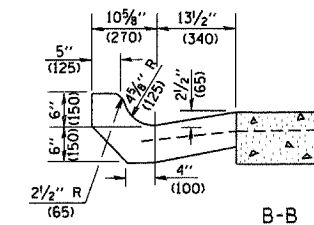
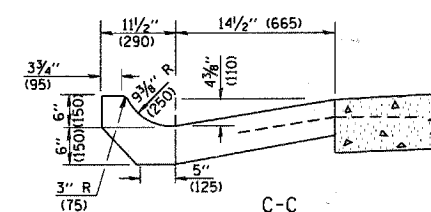
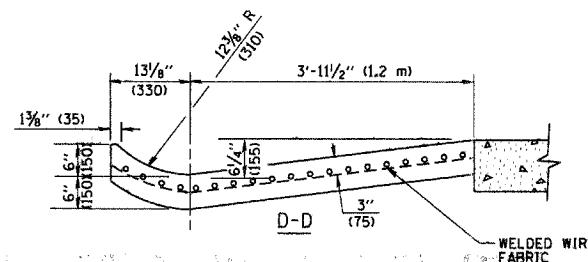
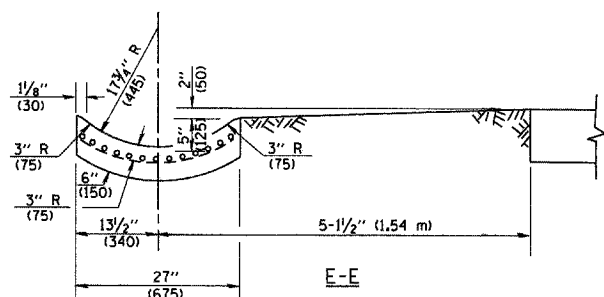
DRIVEWAY DETAILS	
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA. TO STA.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-EP	WILL	89	52
BD400-02 (BD-02)		CONTRACT NO. 63066		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



A-A *

* DIMENSIONS OF THE CURB & GUTTER AT SECTION A-A ARE SHOWN ON STATE STANDARD 606001. FOR DETAILS OF OUTLET FOR CONCRETE CURB & GUTTER, TYPE B-6.24 (B-15.60) SEE STATE STANDARD 606006.



GENERAL NOTES

GUTTER OUTLET SHALL BE TIED TO THE PAVEMENT IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001.

TIE BARS SHALL BE NO. 20 (NO.6) AT 24" (600) CENTERS UNLESS OTHERWISE SHOWN.

IF THE AVERAGE GRADE OF PAVEMENT FOR THE DISTANCE FROM SECTION A-A TO D-D EXCEEDS 2%, THIS DISTANCE SHALL BE INCREASED 6' (1.8 m) FOR EACH 1% INCREASE IN GRADE.

QUANTITIES

FOR SECTION A-A TO E-E AND CURTAIN WALL =
 1.25 CU. YDS. (0.96 m³) CLASS S1 CONCRETE (OUTLET) FOR 9" (225) PAV'T.
 1.27 CU. YDS. (0.96 m³) CLASS S1 CONCRETE (OUTLET) FOR 10" (250) PAV'T.
 FOR SECTION F-F =
 0.045 CU. YDS. (0.03 m³) CLASS S1 CONCRETE PER FT. (M).

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

FILE NAME =
 W:\diststd\22x34\bd03.dgn

USER NAME = gaglianobt
 PLOT SCALE = 50.0000' / IN.
 PLOT DATE = 1/4/2008

DESIGNED - M. DE YONG
 DRAWN -
 CHECKED -
 DATE - 08-04-86

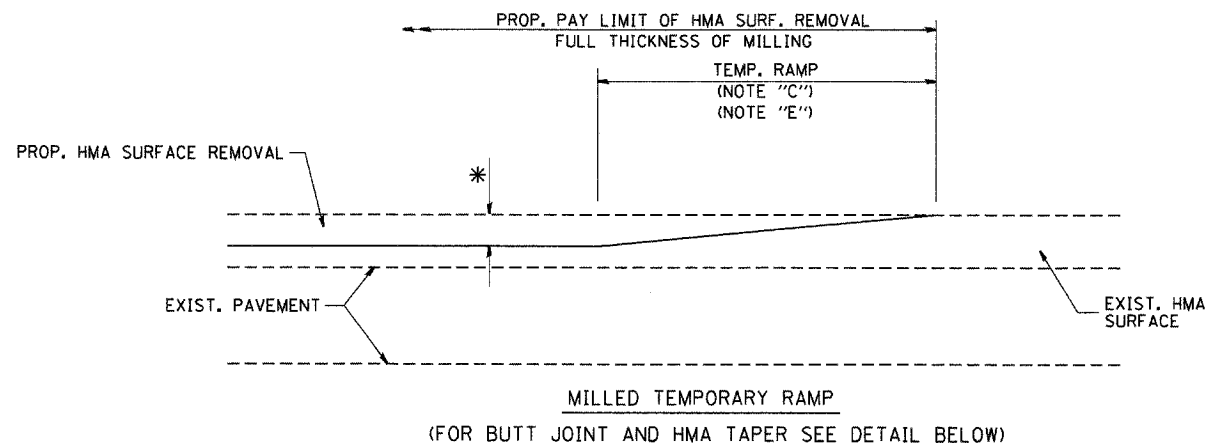
REVISED - R. SHAH 09-09-94
 REVISED - R. SHAH 10-25-94
 REVISED - E. GOMEZ 12-21-00
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

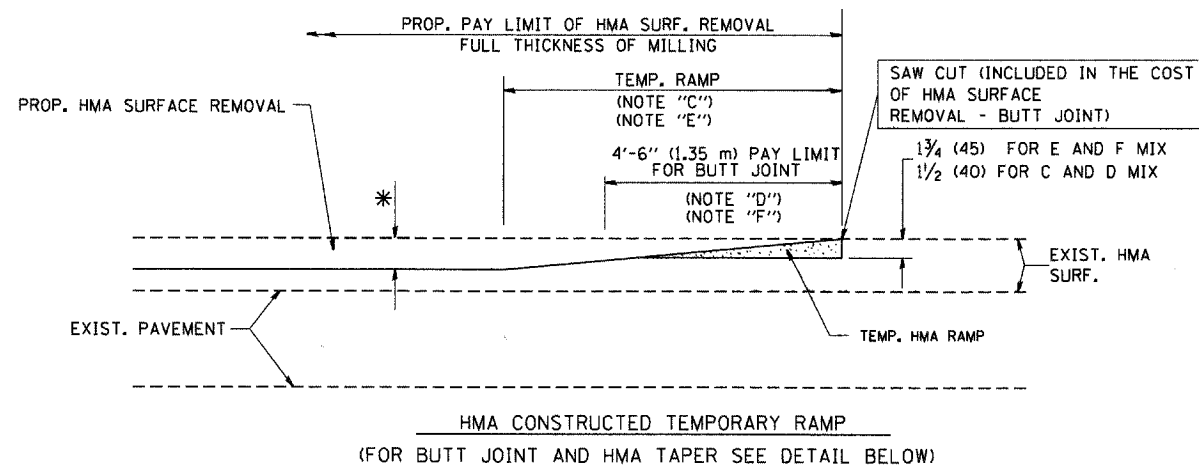
OUTLET FOR CONCRETE
 CURB AND GUTTER

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-PP	WILL	89	53
BD600-01 (BD-03)		CONTRACT NO. 63066		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

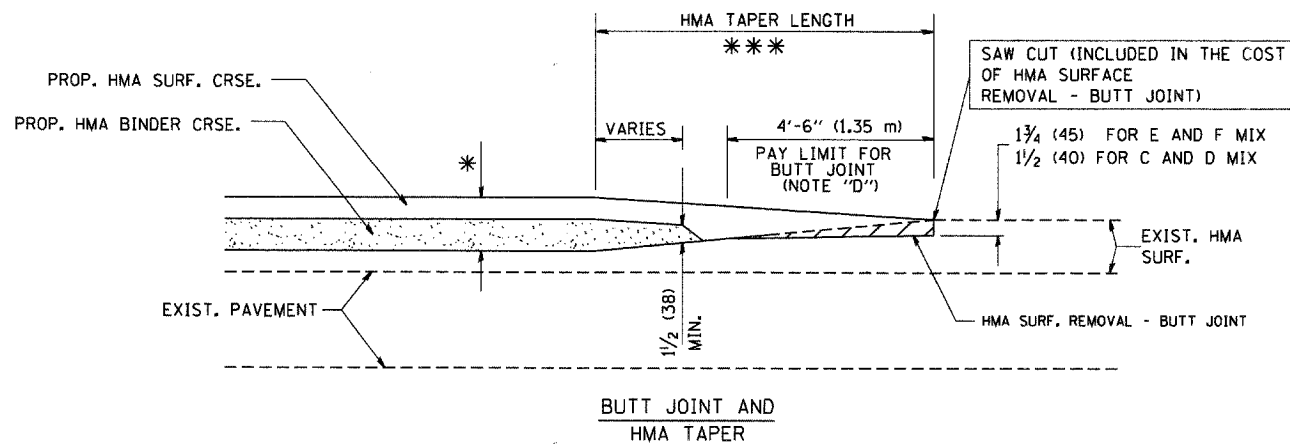


OPTION 1

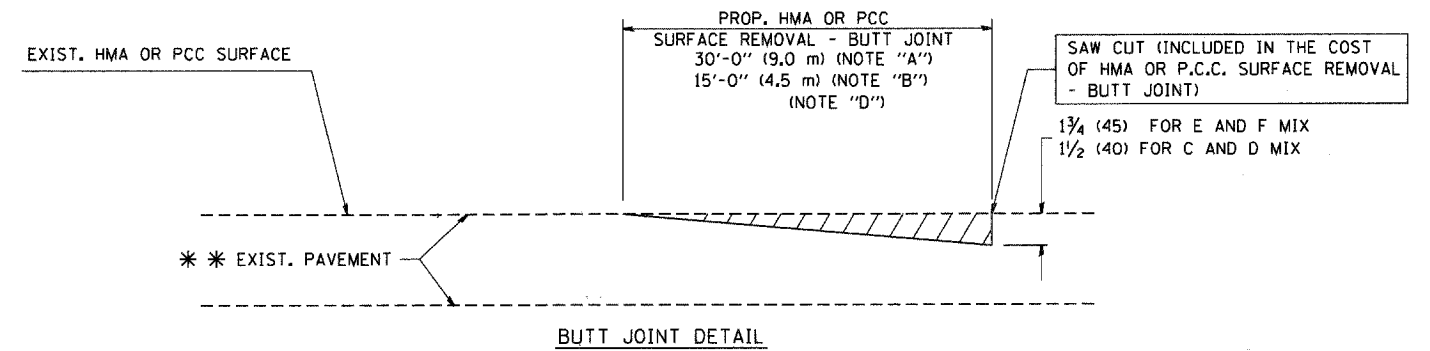


OPTION 2

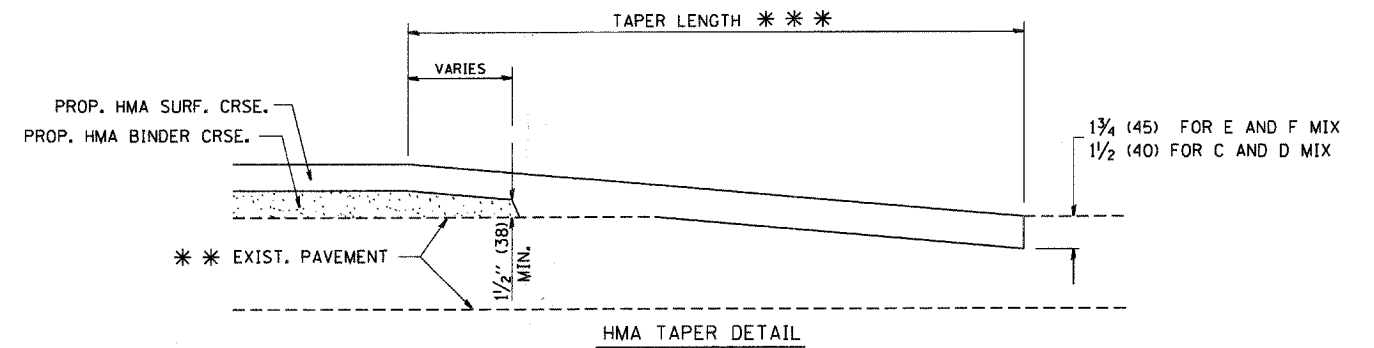
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT 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.

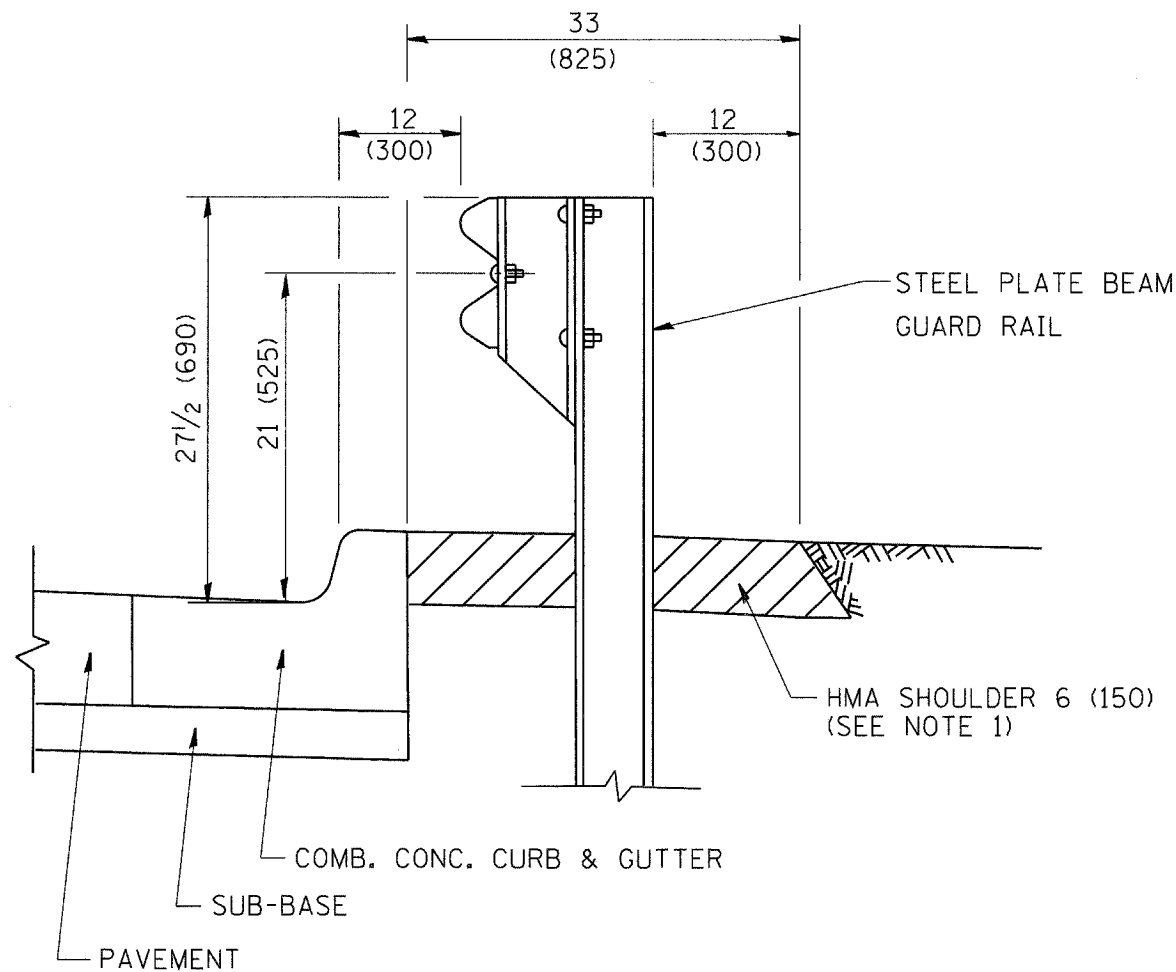
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		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FF	WILL	89	54
BD400-05 BD32		CONTRACT NO. 63066		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

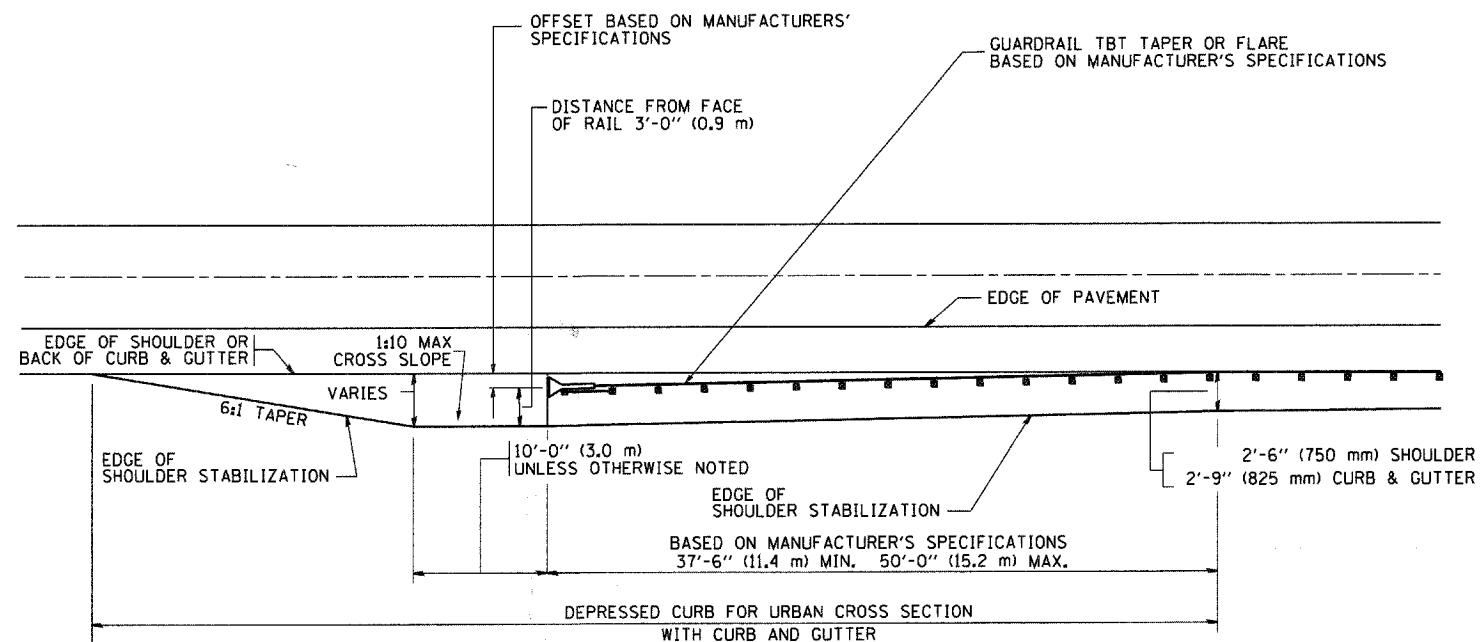


- NOTES: 1. THE HMA SHOULDER SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL
2. GUARD RAIL MAY BE PLACED AT THE BACK OF CURB WHEN DIRECTED BY THE ENGINEER.

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)]



STABILIZATION AT TBT TY. 1 SPL.

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

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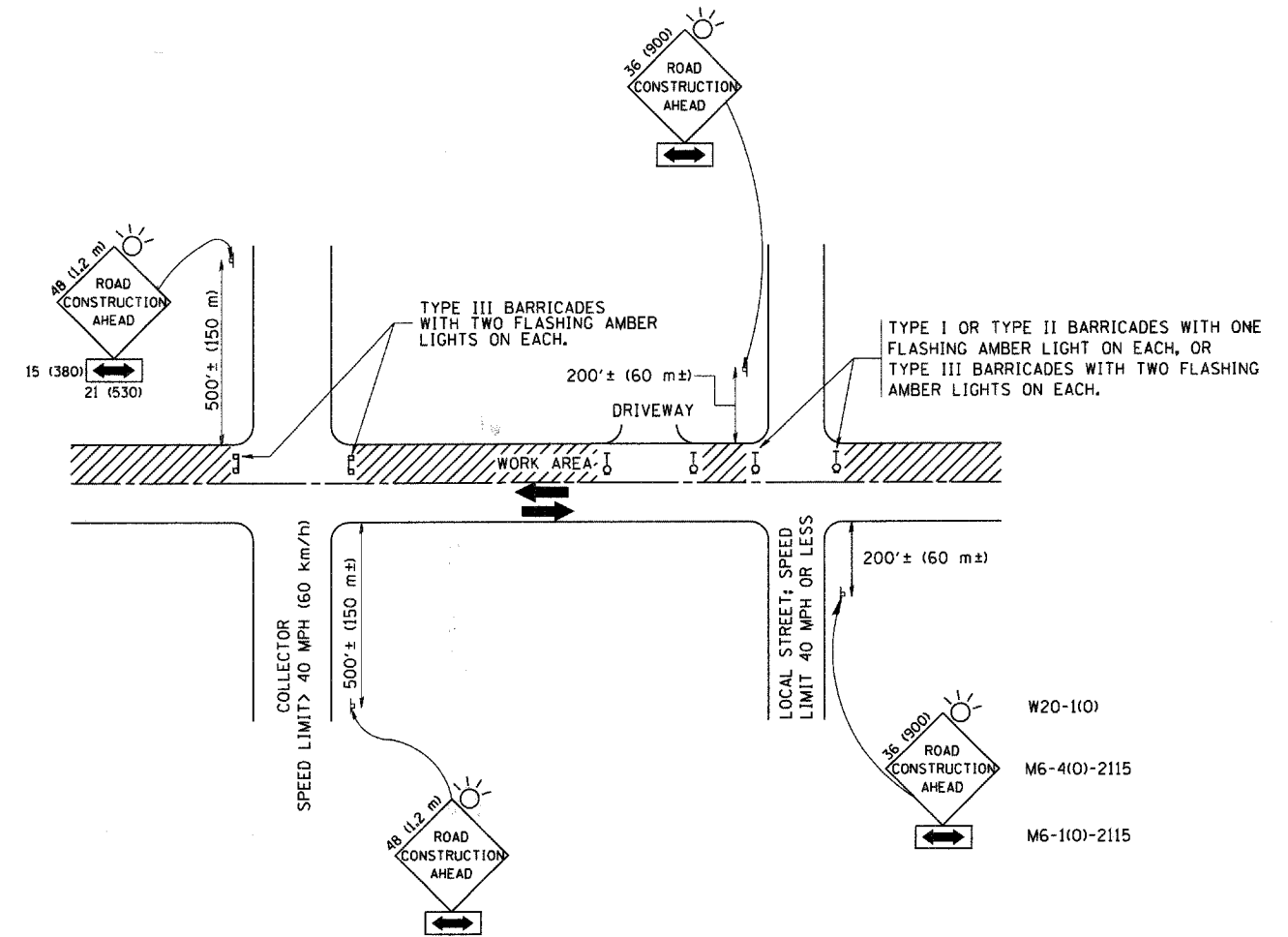
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PLOT DATE = 1/4/2008	CHECKED -	REVISED - E. GOMEZ 08-28-00
	DATE - 09-22-90	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-PP	WILL	89	55
BD600-10 (BD 34)		CONTRACT NO. 63066		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

NOTES:

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

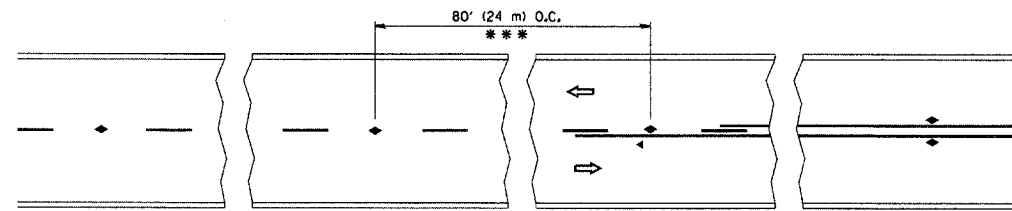
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	PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED - A. HOUSEH 01-15-96
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

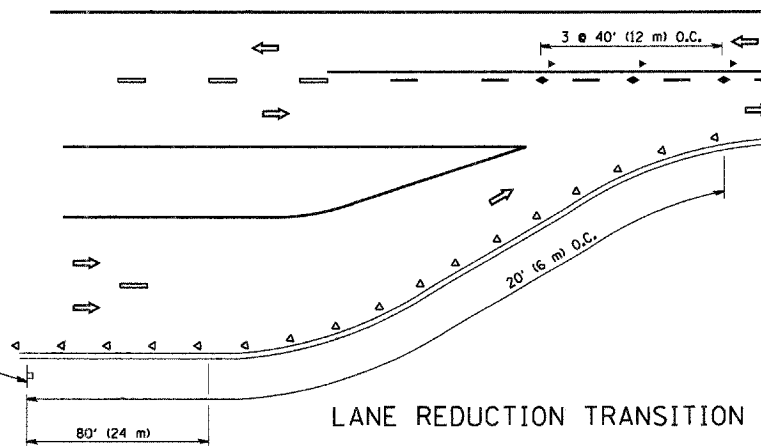
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10		CONTRACT NO. 63066		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

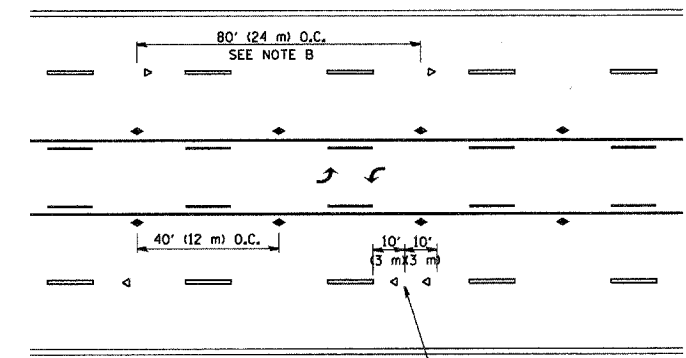


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

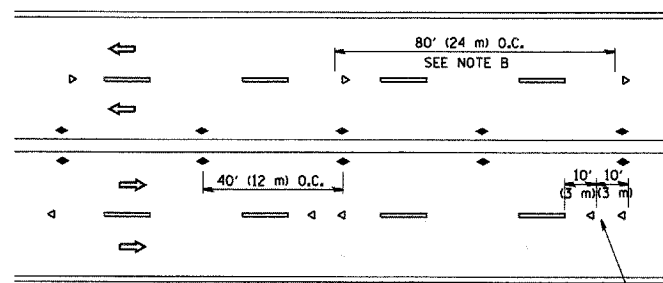
TWO-LANE/TWO-WAY



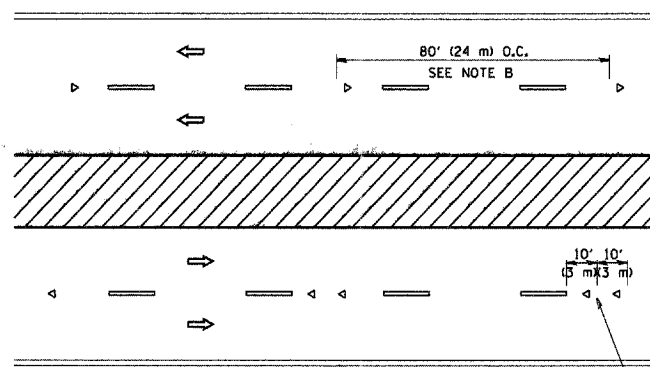
LANE REDUCTION TRANSITION



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

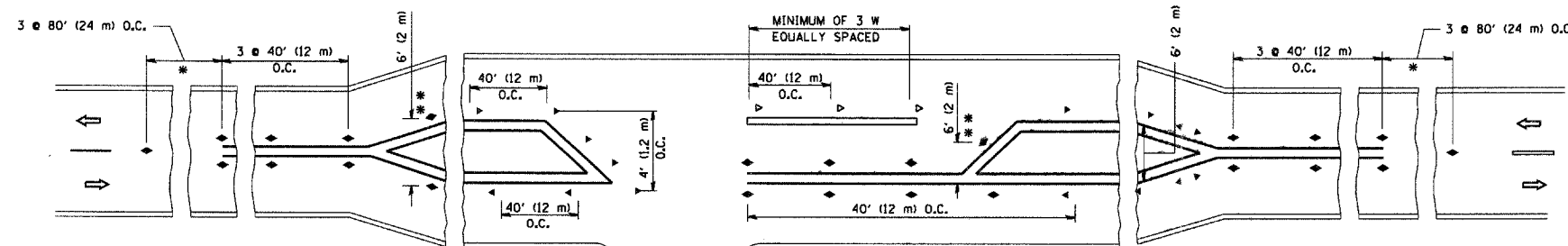
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- 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.



LEFT TURN

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

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

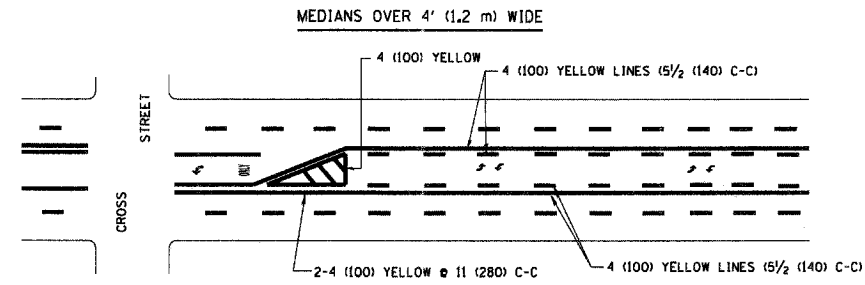
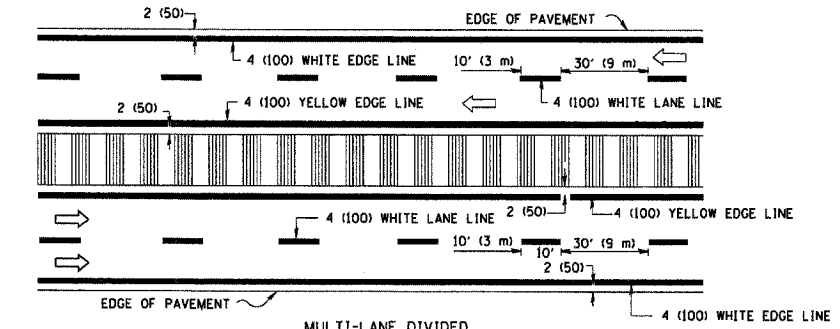
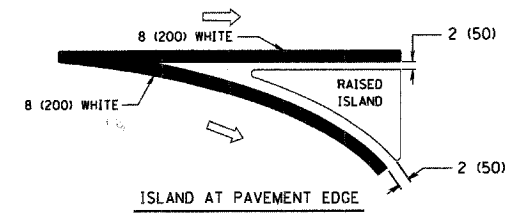
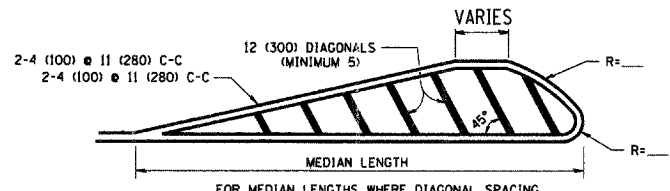
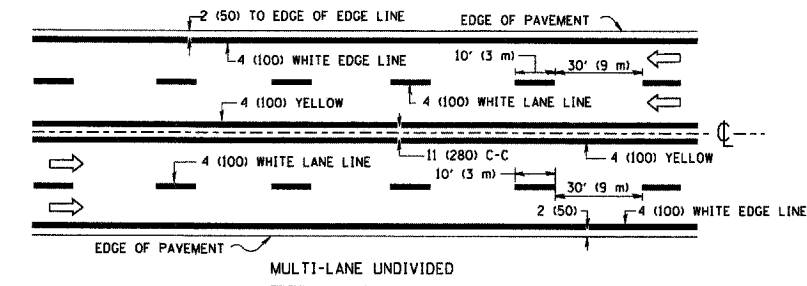
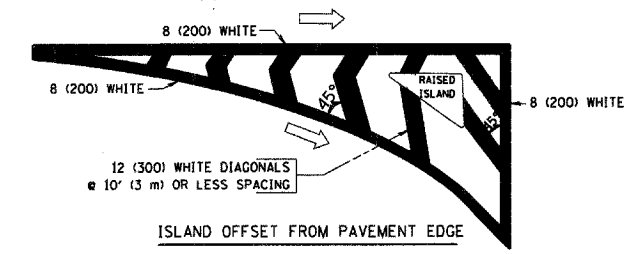
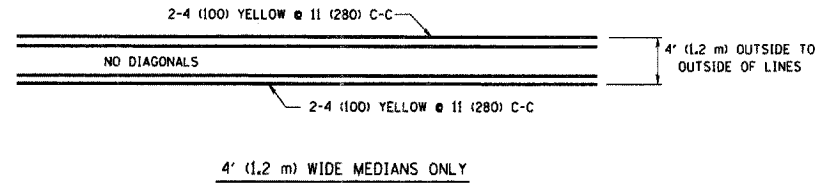
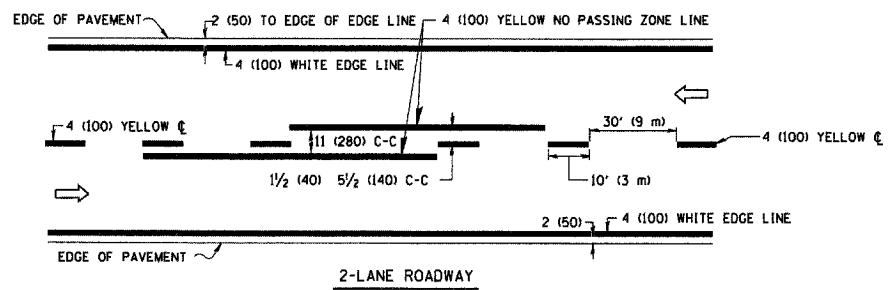
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PLOT DATE = 1/4/2008	CHECKED -	REVISED - T. RAMMACHER 01-06-00
	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

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.
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TC-11			CONTRACT NO. 63066	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

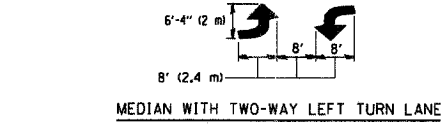


TYPICAL ISLAND MARKING

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 1/2 (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 18" (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 1/2 (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 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))

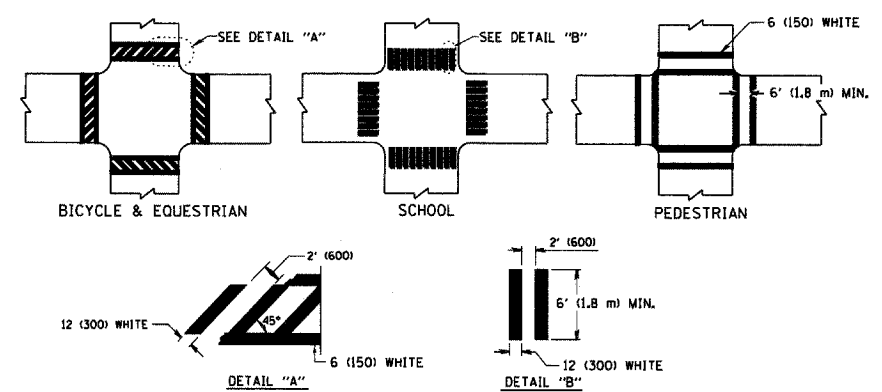
DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

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.

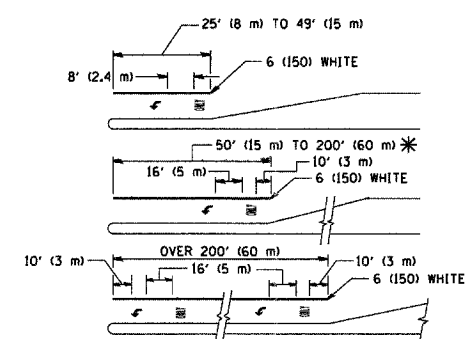


TYPICAL PAINTED MEDIAN MARKING

TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING



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

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

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

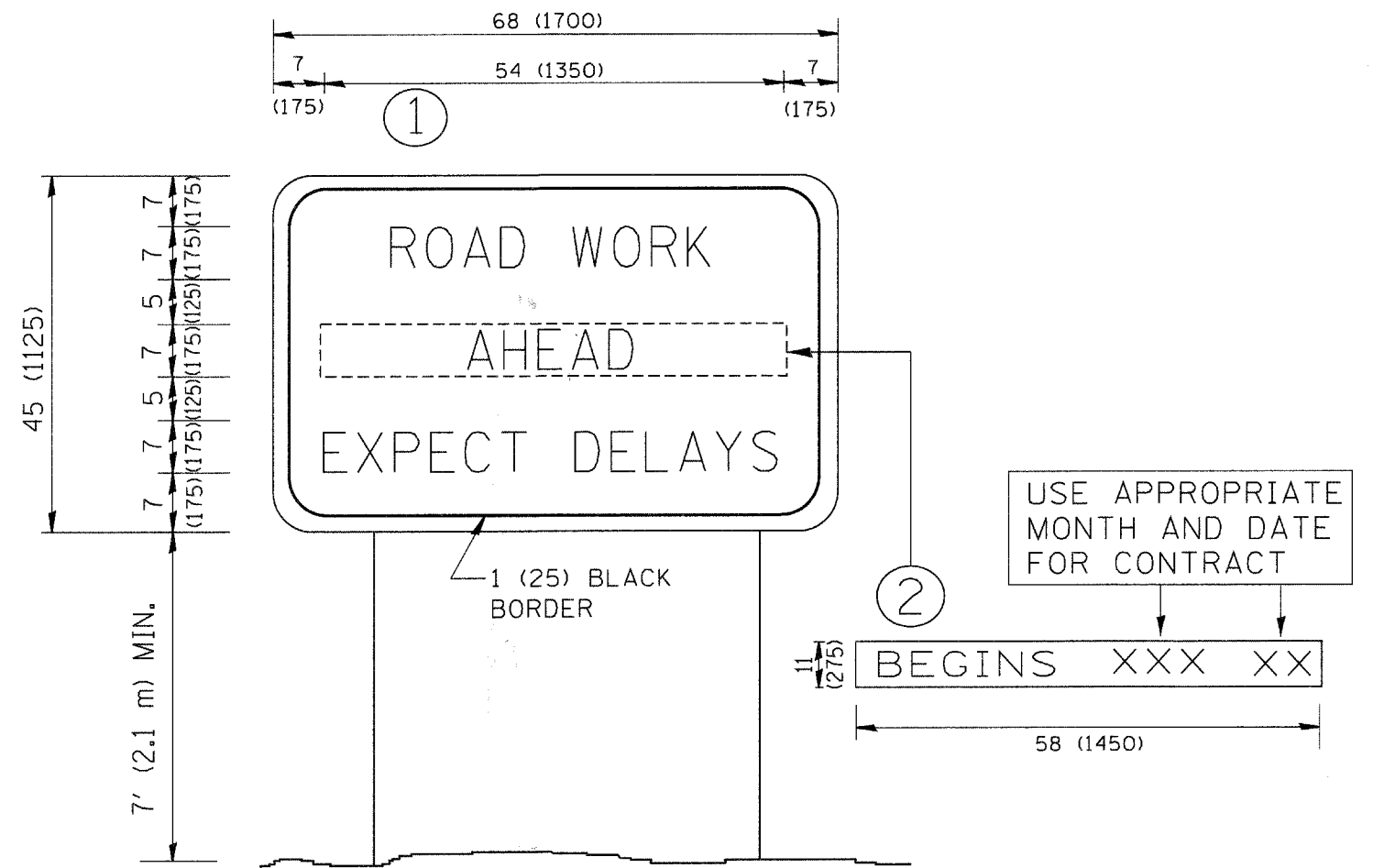
All dimensions are in inches (millimeters) unless otherwise shown.

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		DRAWN -	REVISED - A. HOUSEH 10-09-96
	PLOT SCALE = 50.000 / IN.	CHECKED -	REVISED - A. HOUSEH 10-17-96
	PLOT DATE = 1/4/2008	DATE - 03-19-90	REVISED - T. RAMMACHER 01-06-00

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.
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TC-13		CONTRACT NO. 63066		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



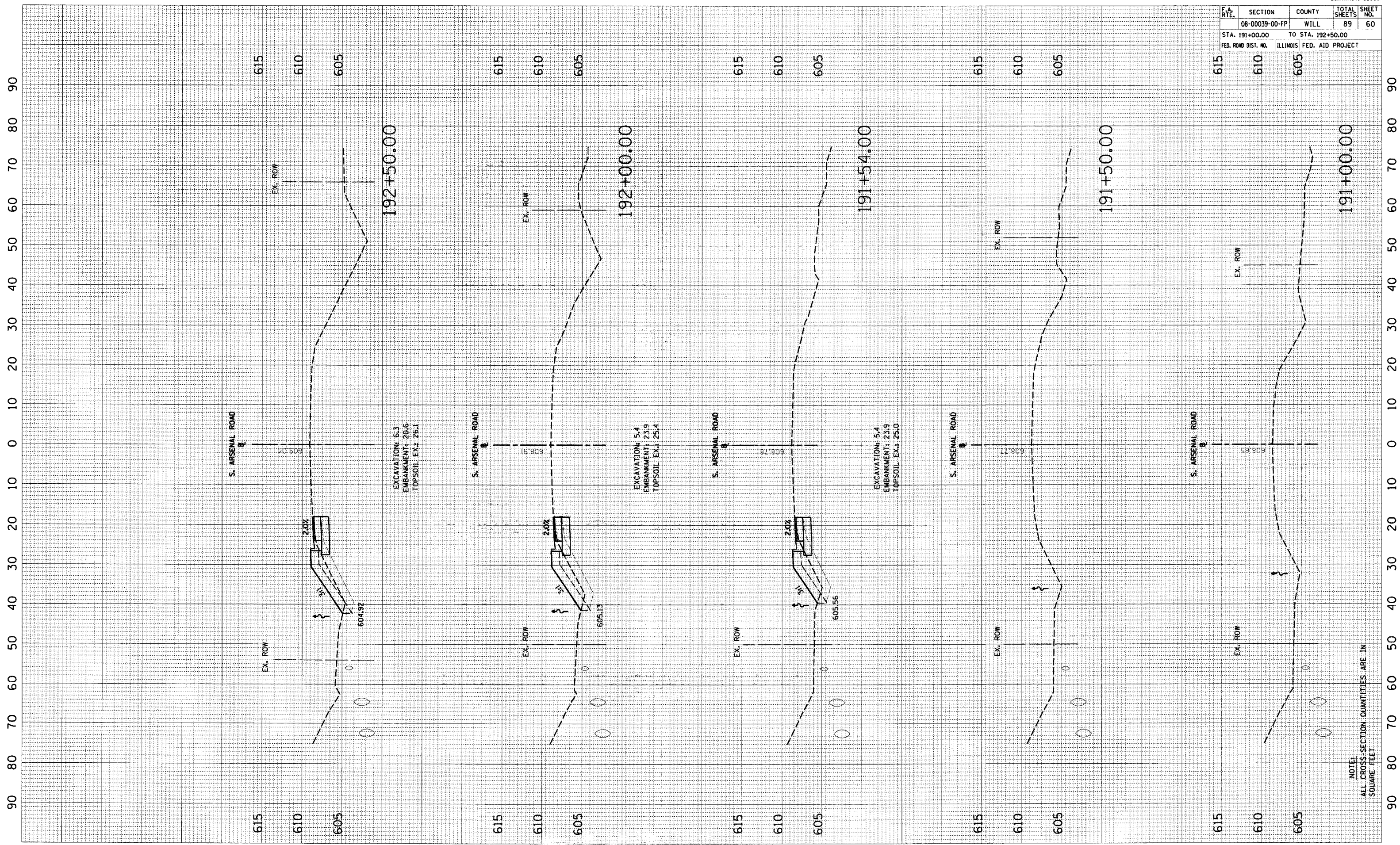
NOTES:

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

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

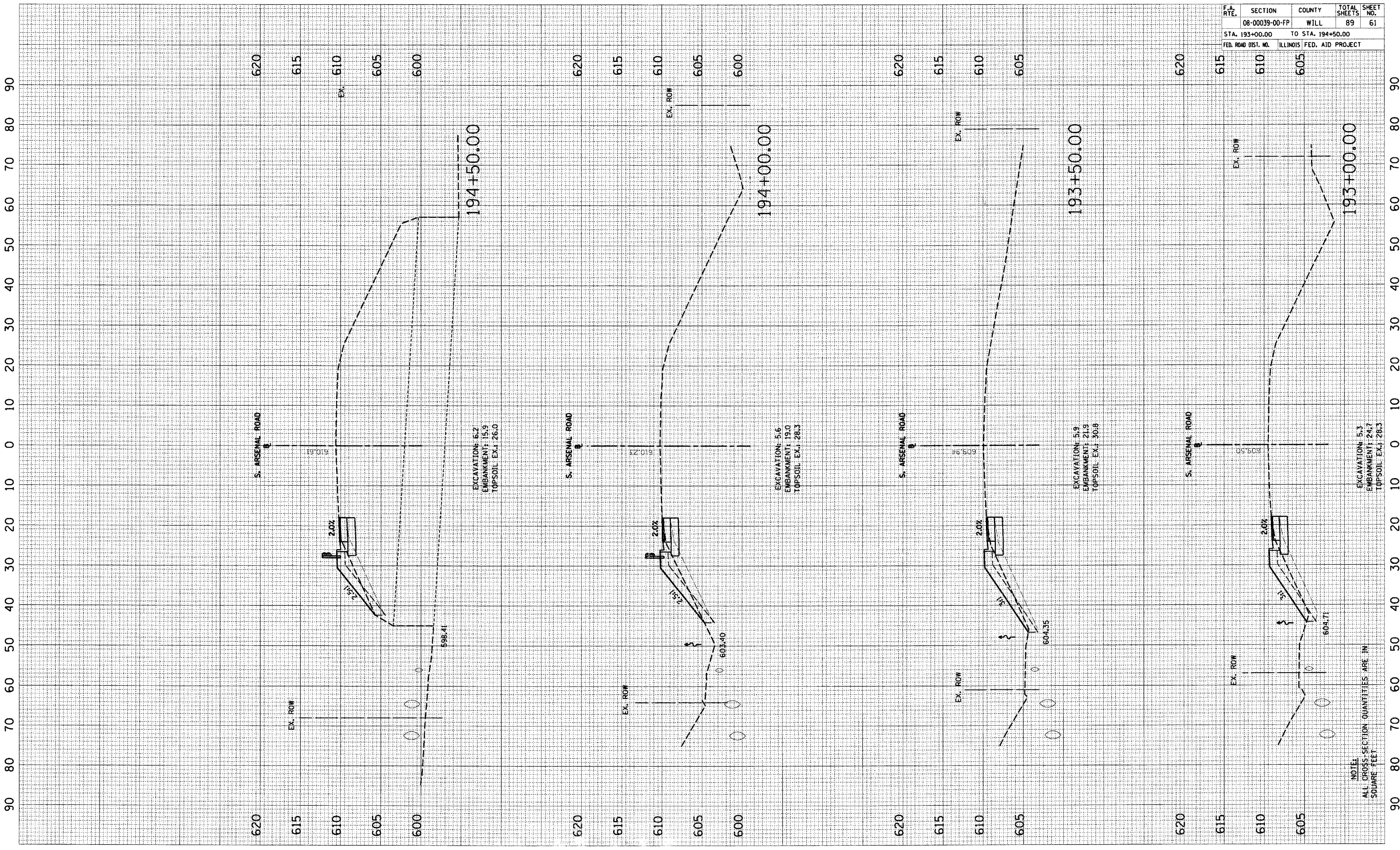
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	PLOT SCALE = 50.000' / IN.	DRAWN -	REVISED - R. MIRS 12-11-97				08-00039-00-PP	WILL	89	59	
	PLOT DATE = 1/4/2008	CHECKED -	REVISED - T. RAMMACHER 02-02-99				TC-22		CONTRACT NO. 63066		
	DATE -	REVISED - C. JUCIUS 01-31-07	SCALE: NONE				SHEET NO. 1 OF 1 SHEETS		STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	60
STA. 191+00.00		TO STA. 192+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



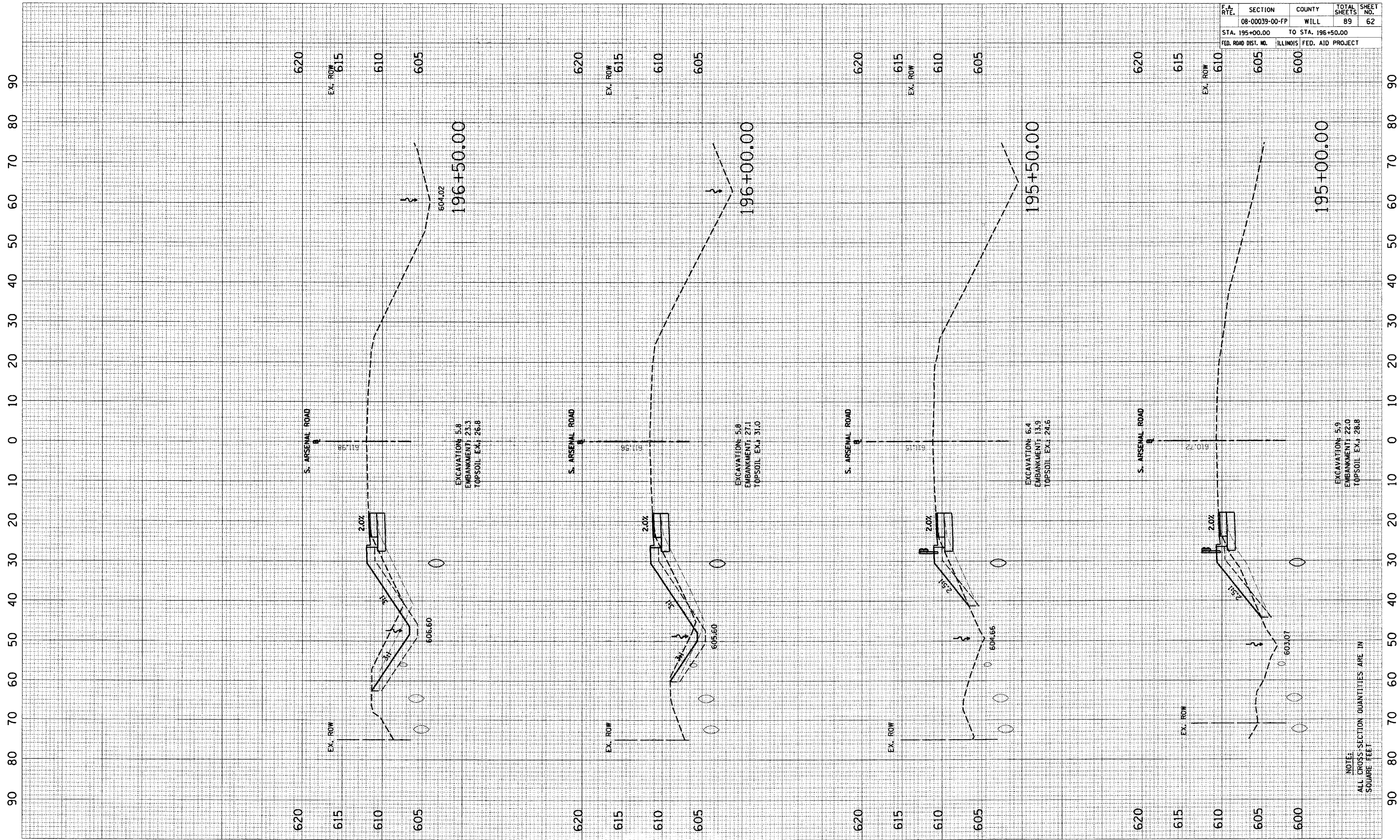
NOTE:
ALL CROSS-SECTION QUANTITIES ARE IN
SQUARE FEET

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA. 193+00.00		TO STA. 194+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



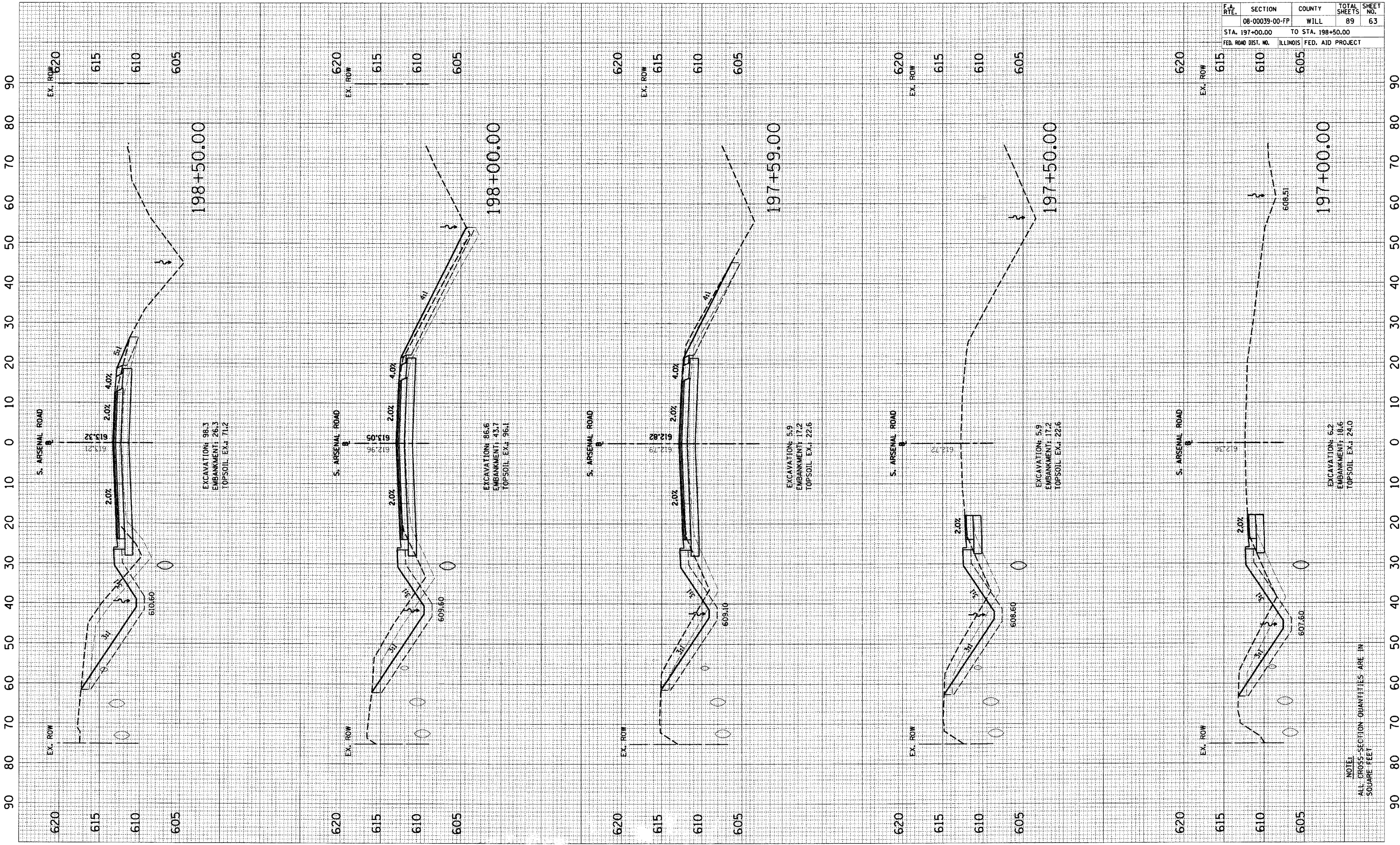
NOTE:
ALL CROSS-SECTION QUANTITIES ARE IN SQUARE FEET

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



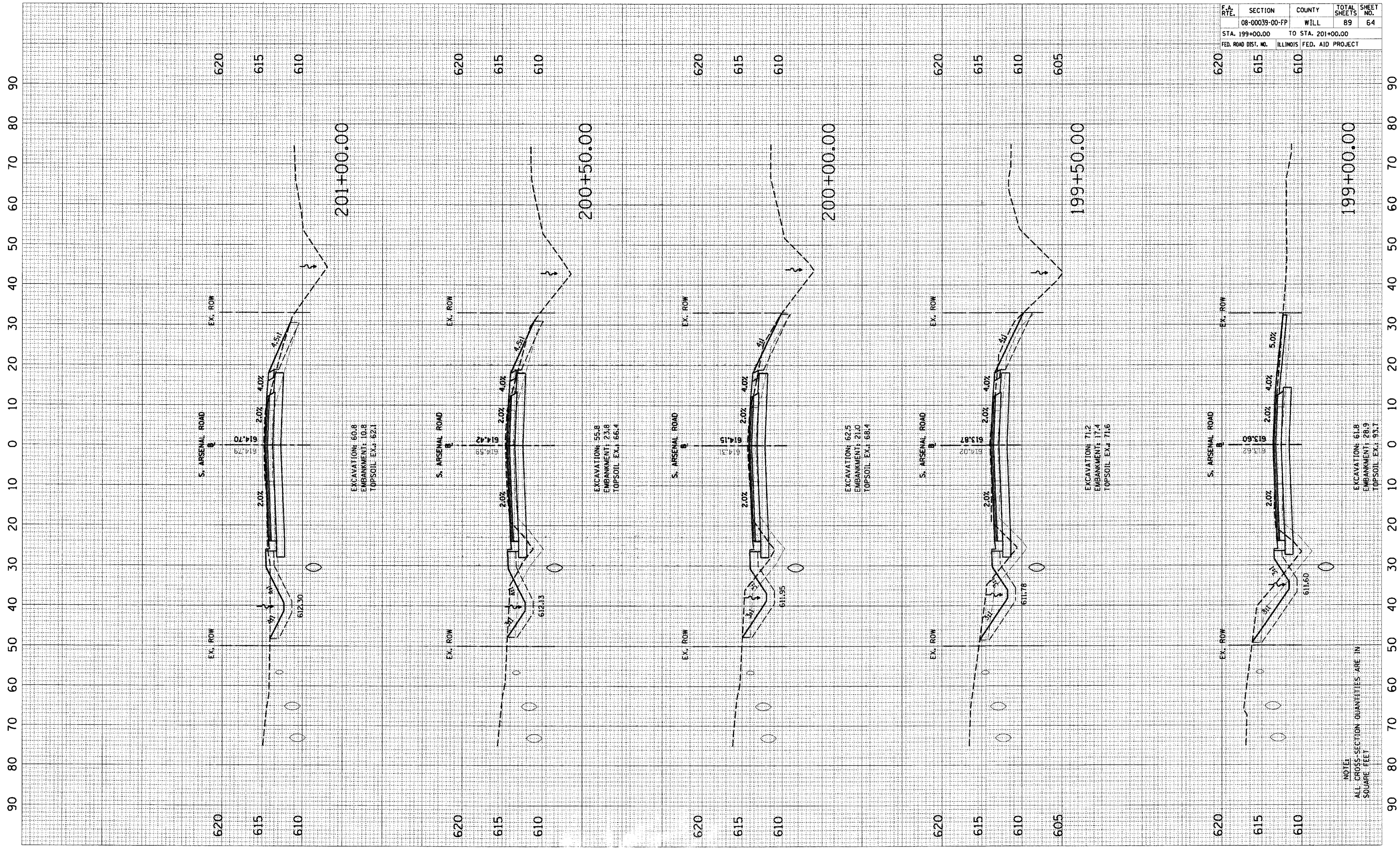
NOTE:
ALL CROSS-SECTION QUANTITIES ARE IN
SQUARE FEET

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	63
STA. 197+00.00		TO STA. 198+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



NOTE:
ALL CROSS-SECTION QUANTITIES ARE IN SQUARE FEET

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	64
STA. 199+00.00		TO STA. 201+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



201+00.00

200+50.00

200+00.00

199+50.00

199+00.00

EXCAVATION: 60.8
EMBANKMENT: 10.8
TOPSOIL EX.: 62.1

EXCAVATION: 55.8
EMBANKMENT: 23.8
TOPSOIL EX.: 66.4

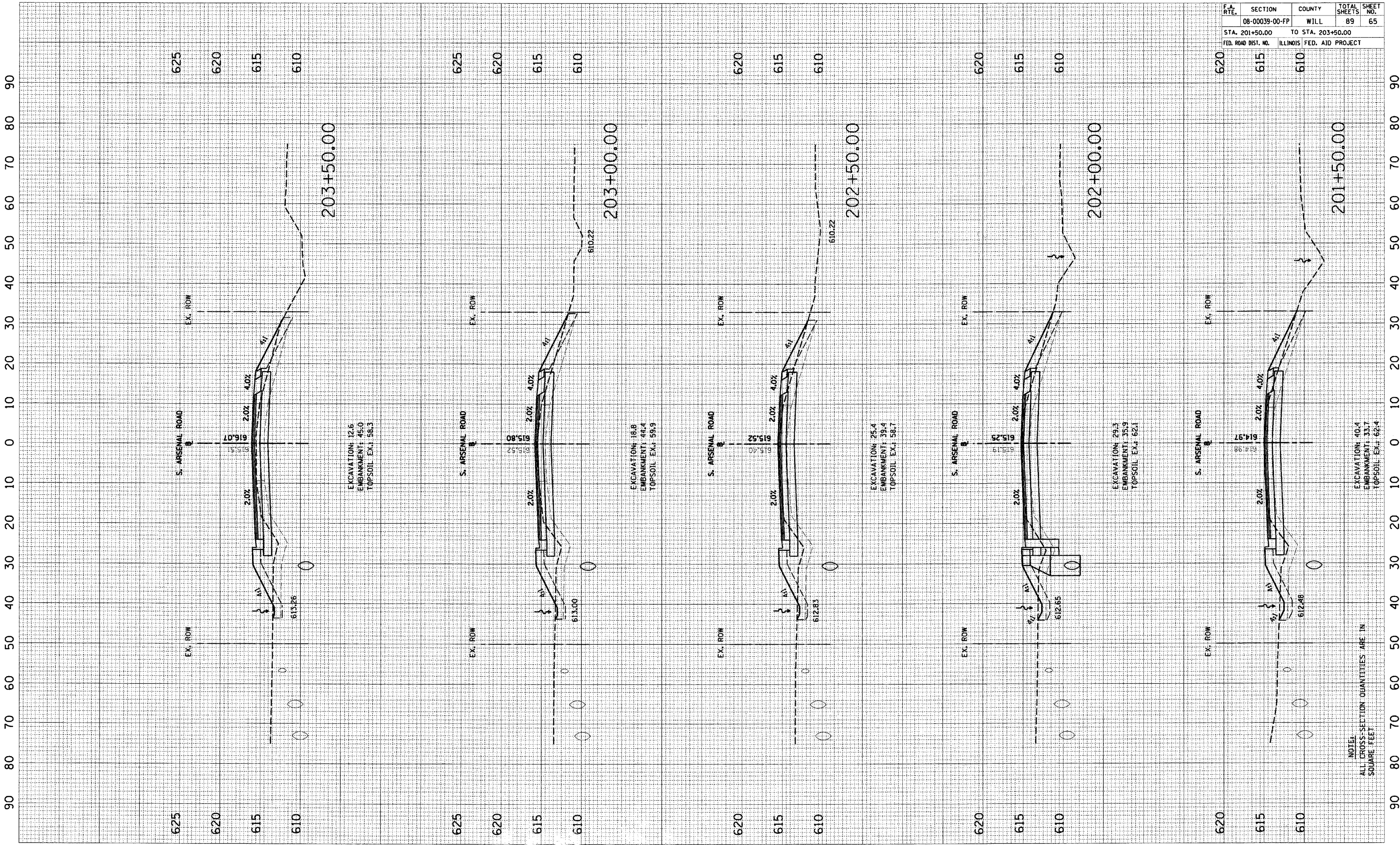
EXCAVATION: 62.5
EMBANKMENT: 21.0
TOPSOIL EX.: 68.4

EXCAVATION: 71.2
EMBANKMENT: 17.4
TOPSOIL EX.: 71.6

EXCAVATION: 61.8
EMBANKMENT: 26.9
TOPSOIL EX.: 93.7

NOTE:
ALL CROSS-SECTION QUANTITIES ARE IN
SQUARE FEET

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-PP	WILL	89	65
STA. 201+50.00		TO STA. 203+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



EXCAVATION: 12.6
 EMBANKMENT: 45.0
 TOPSOIL EX.: 58.3

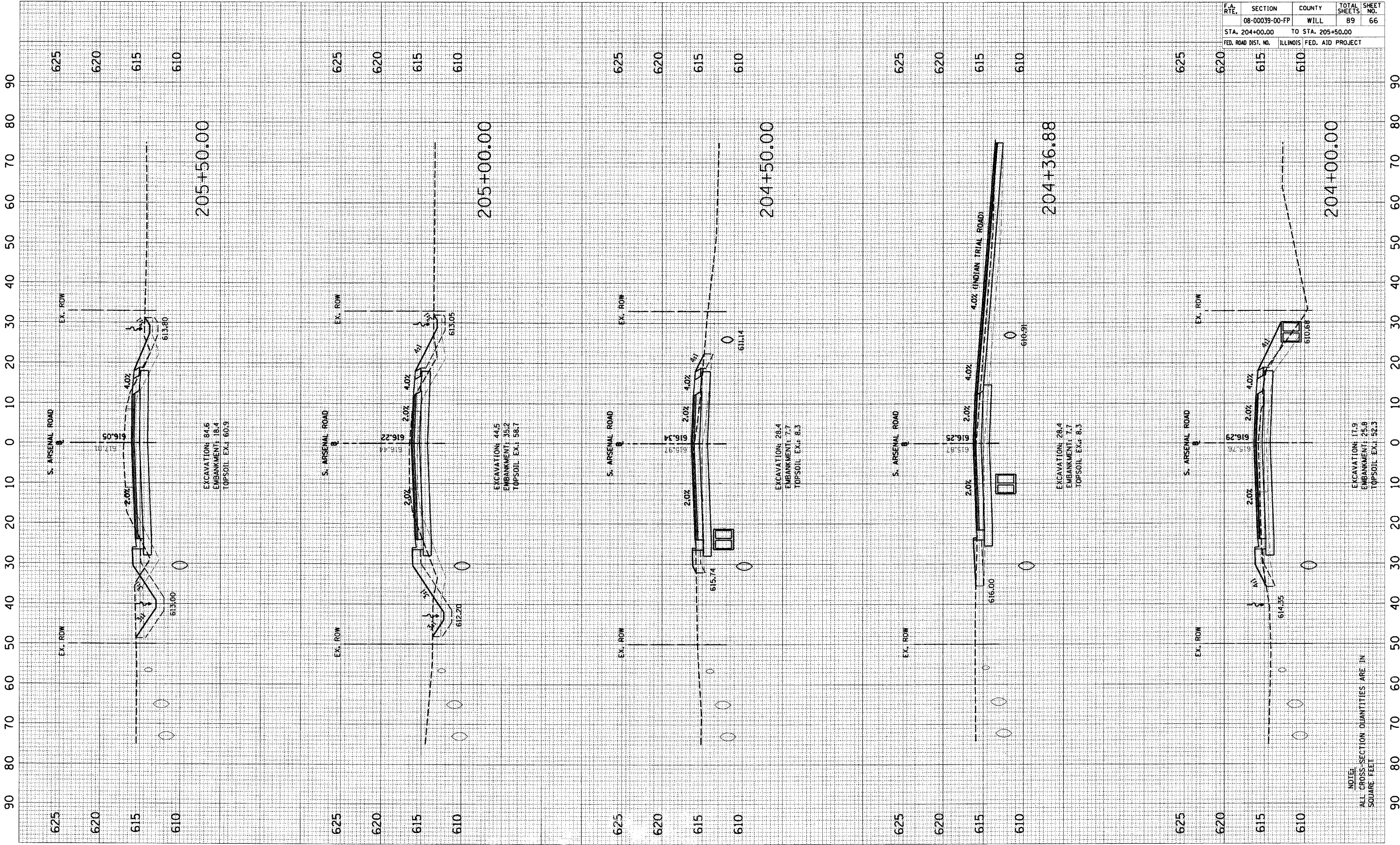
EXCAVATION: 18.8
 EMBANKMENT: 49.4
 TOPSOIL EX.: 59.9

EXCAVATION: 25.4
 EMBANKMENT: 39.4
 TOPSOIL EX.: 58.7

EXCAVATION: 29.3
 EMBANKMENT: 35.9
 TOPSOIL EX.: 62.1

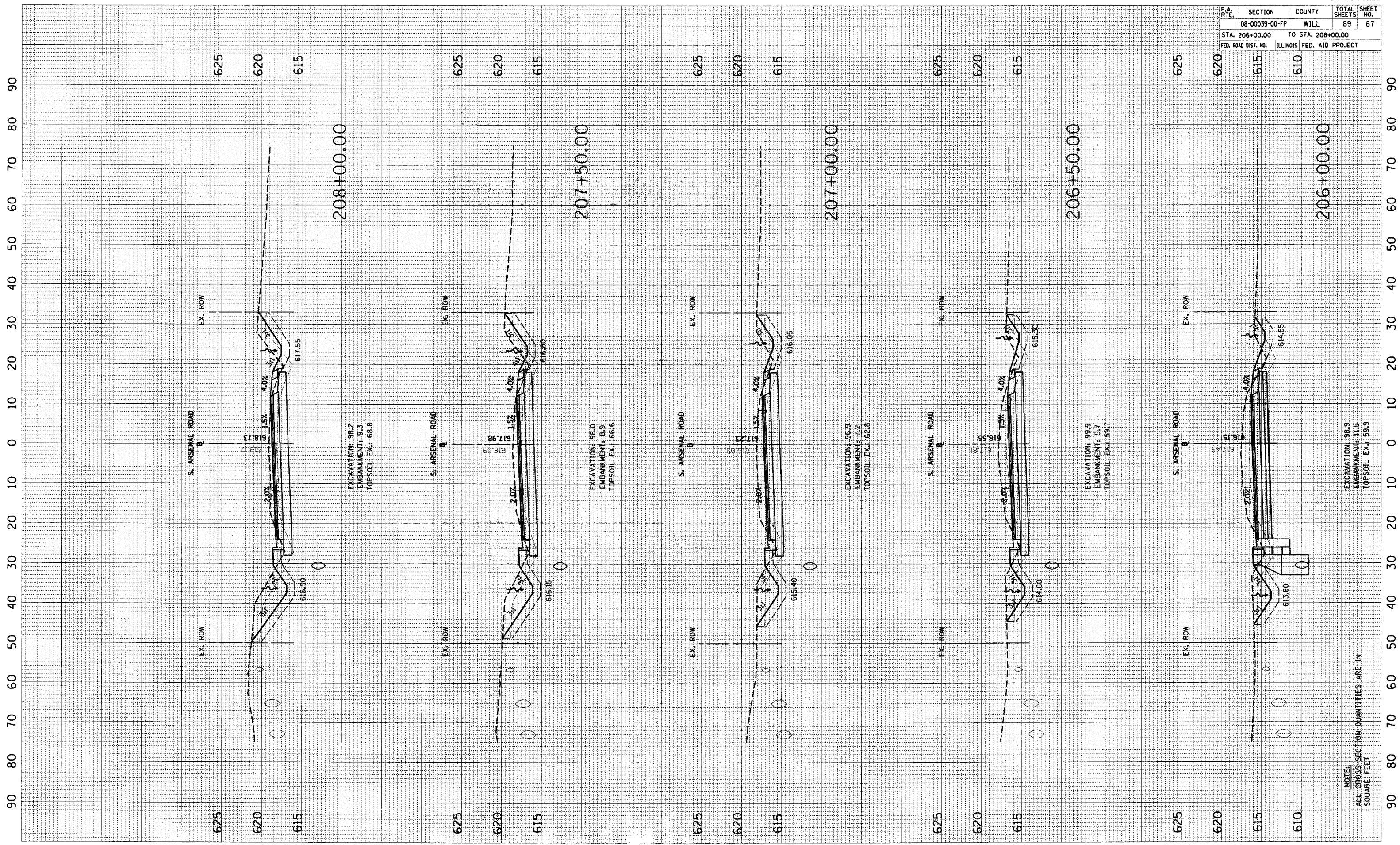
NOTE:
 ALL CROSS-SECTION QUANTITIES ARE IN
 SQUARE FEET

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	66
STA. 204+00.00		TO STA. 205+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

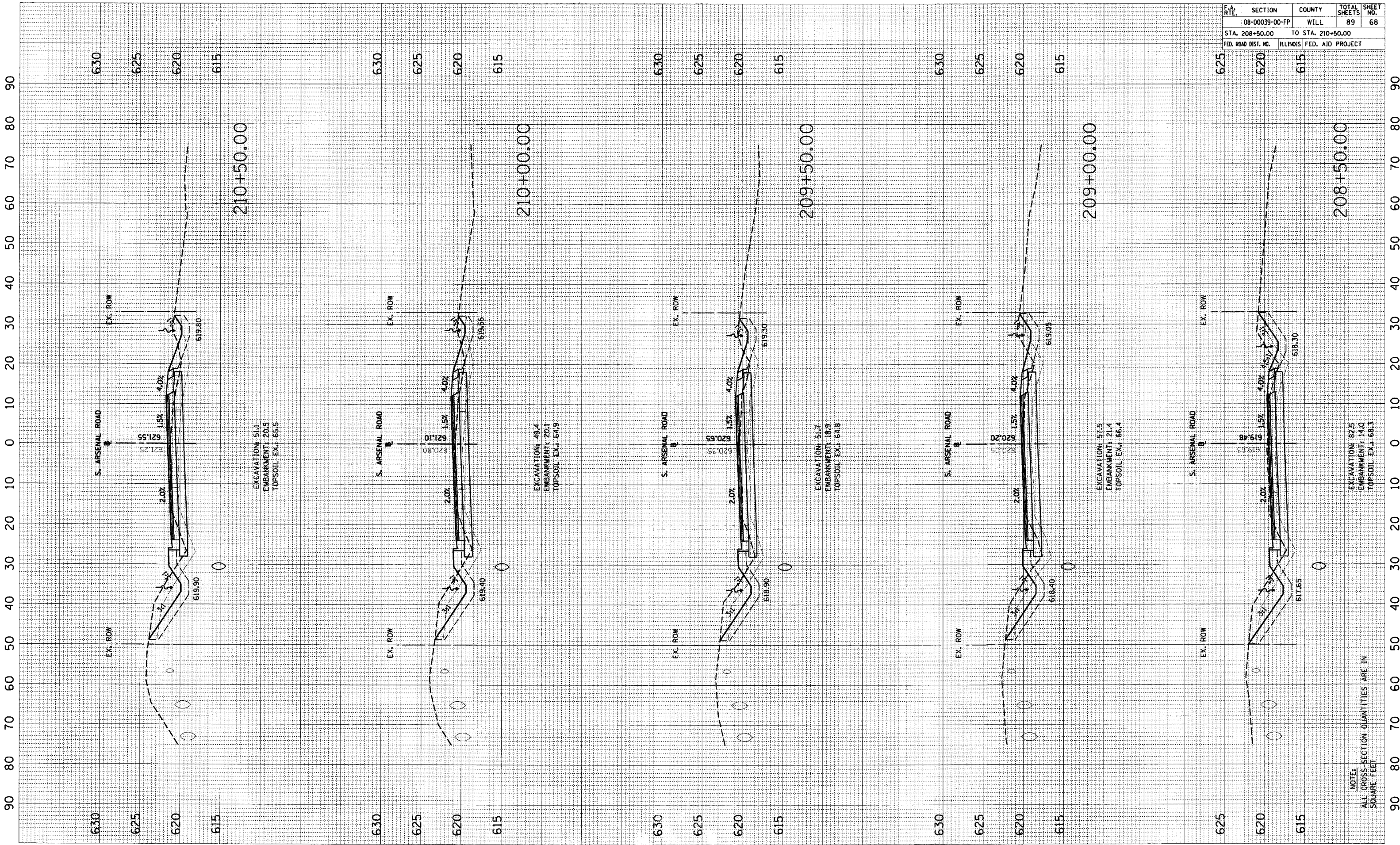


NOTE:
ALL CROSS-SECTION QUANTITIES ARE IN
SQUARE FEET

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	67
STA. 206+00.00		TO STA. 208+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	68
STA. 208+50.00		TO STA. 210+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



EXCAVATION: 51.1
 EMBANKMENT: 20.5
 TOPSOIL EX.: 65.5

EXCAVATION: 48.4
 EMBANKMENT: 20.1
 TOPSOIL EX.: 64.9

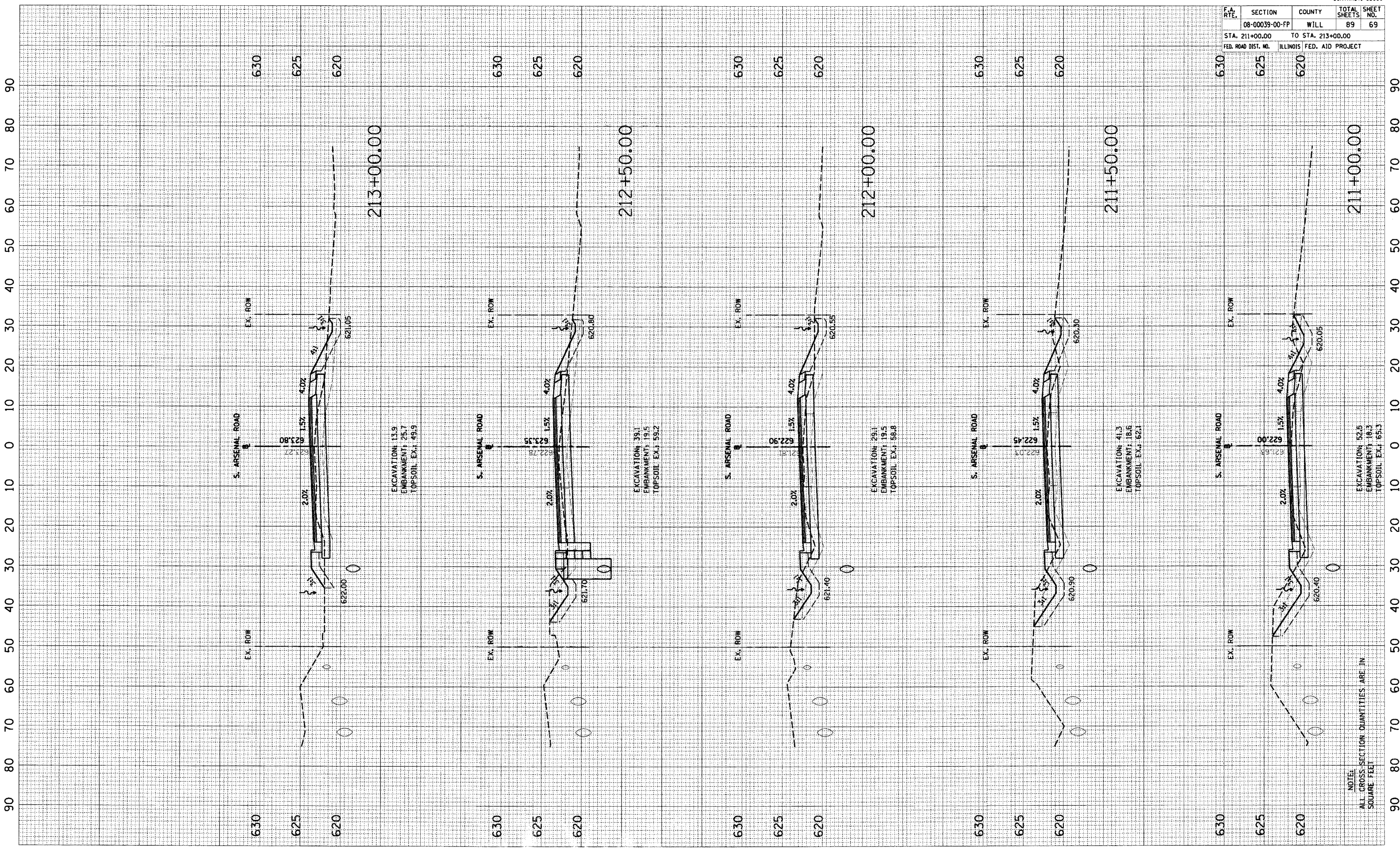
EXCAVATION: 51.7
 EMBANKMENT: 18.9
 TOPSOIL EX.: 64.8

EXCAVATION: 57.5
 EMBANKMENT: 21.4
 TOPSOIL EX.: 66.4

EXCAVATION: 82.5
 EMBANKMENT: 14.0
 TOPSOIL EX.: 68.3

NOTE:
 ALL CROSS-SECTION QUANTITIES ARE IN
 SQUARE FEET

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	69
STA. 211+00.00		TO STA. 213+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



EXCAVATION: 13.9
 EMBANKMENT: 25.7
 TOPSOIL EX.: 49.9

EXCAVATION: 39.1
 EMBANKMENT: 19.5
 TOPSOIL EX.: 59.2

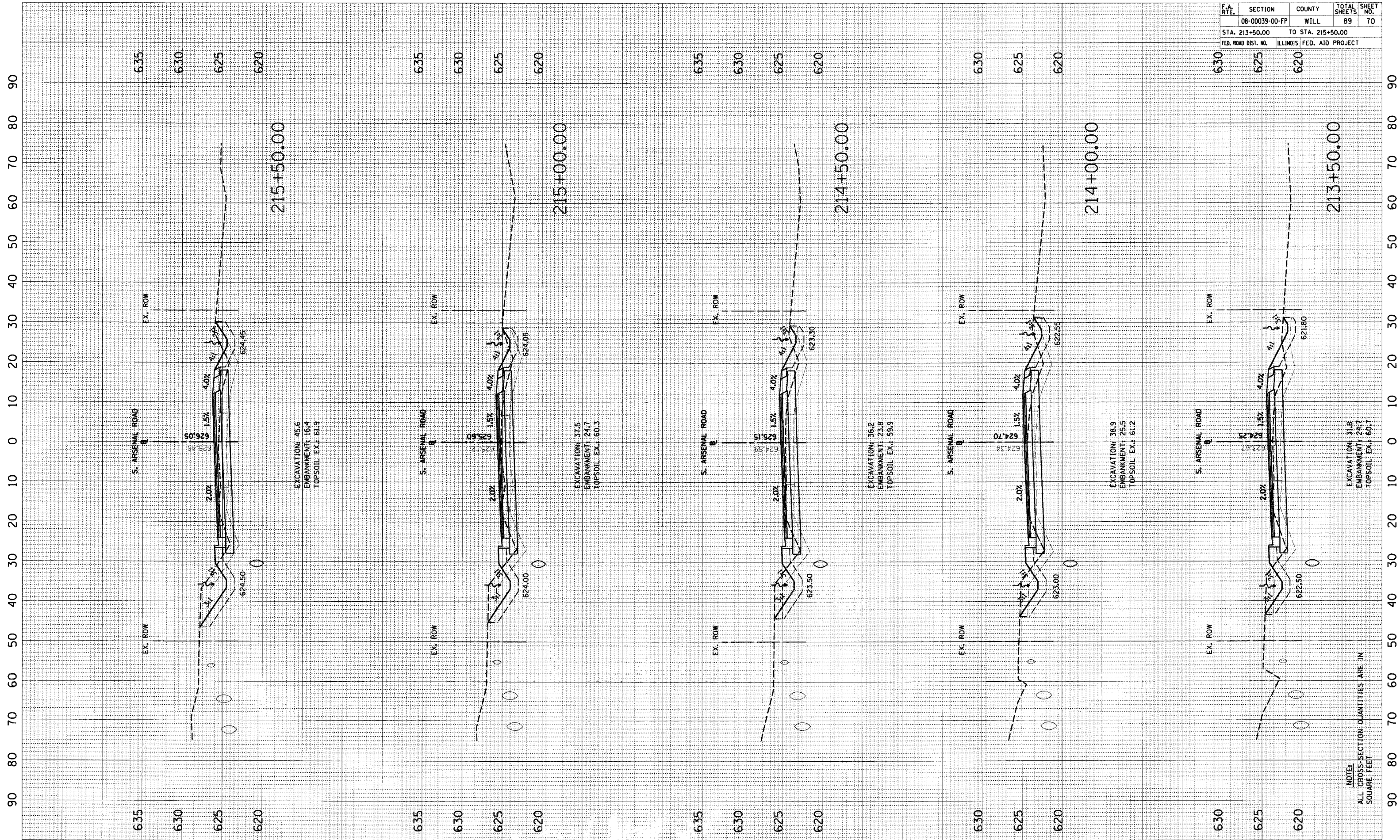
EXCAVATION: 29.1
 EMBANKMENT: 19.5
 TOPSOIL EX.: 58.8

EXCAVATION: 41.3
 EMBANKMENT: 18.6
 TOPSOIL EX.: 62.1

EXCAVATION: 52.5
 EMBANKMENT: 18.3
 TOPSOIL EX.: 65.3

NOTE:
 ALL CROSS-SECTION QUANTITIES ARE IN
 SQUARE FEET

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	70
STA. 213+50.00		TO STA. 215+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



EXCAVATION: 45.6
EMBANKMENT: 16.4
TOPSOIL EX.: 61.9

EXCAVATION: 37.5
EMBANKMENT: 24.7
TOPSOIL EX.: 60.3

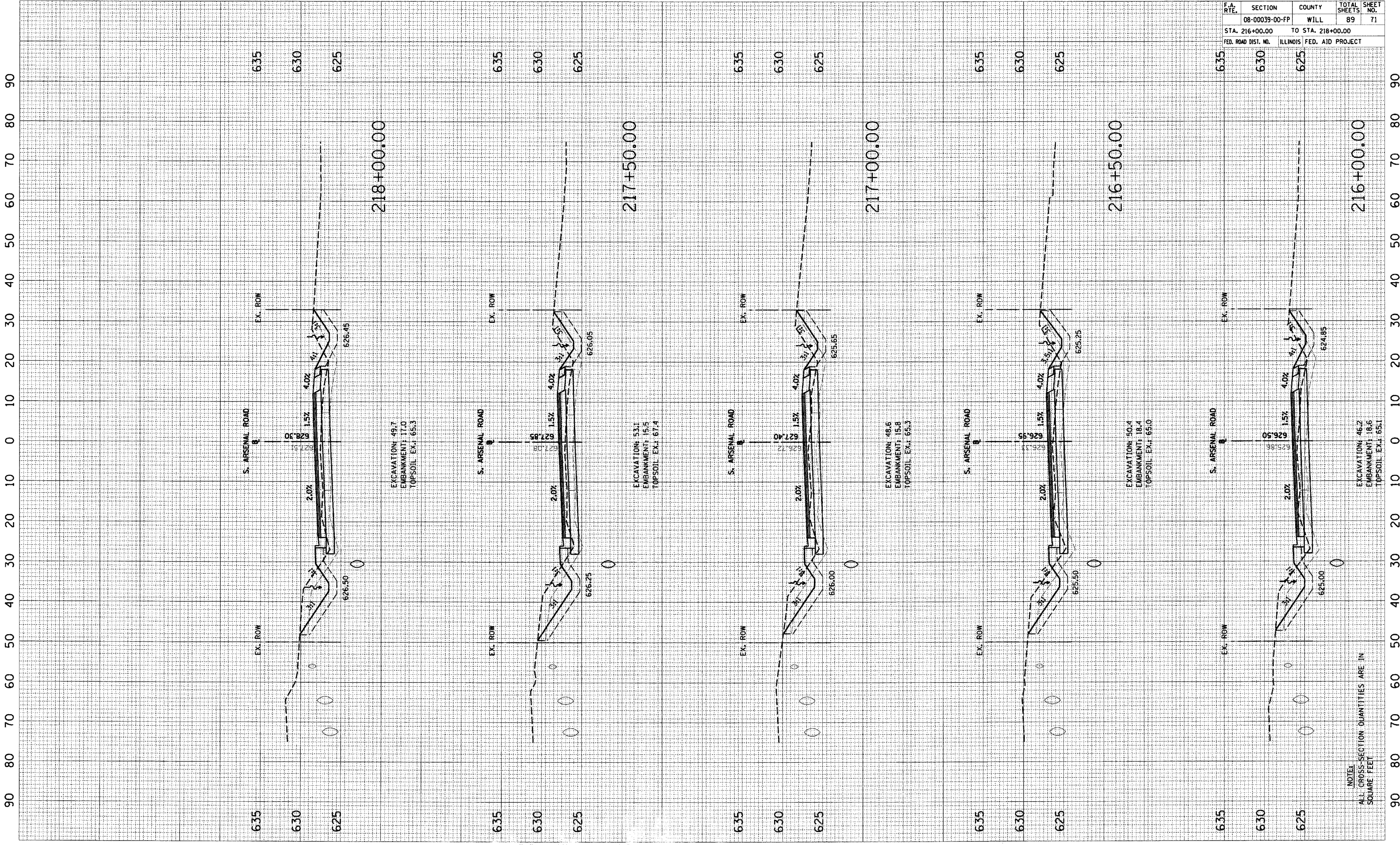
EXCAVATION: 36.2
EMBANKMENT: 23.8
TOPSOIL EX.: 59.9

EXCAVATION: 38.9
EMBANKMENT: 25.5
TOPSOIL EX.: 61.2

EXCAVATION: 31.8
EMBANKMENT: 24.7
TOPSOIL EX.: 60.7

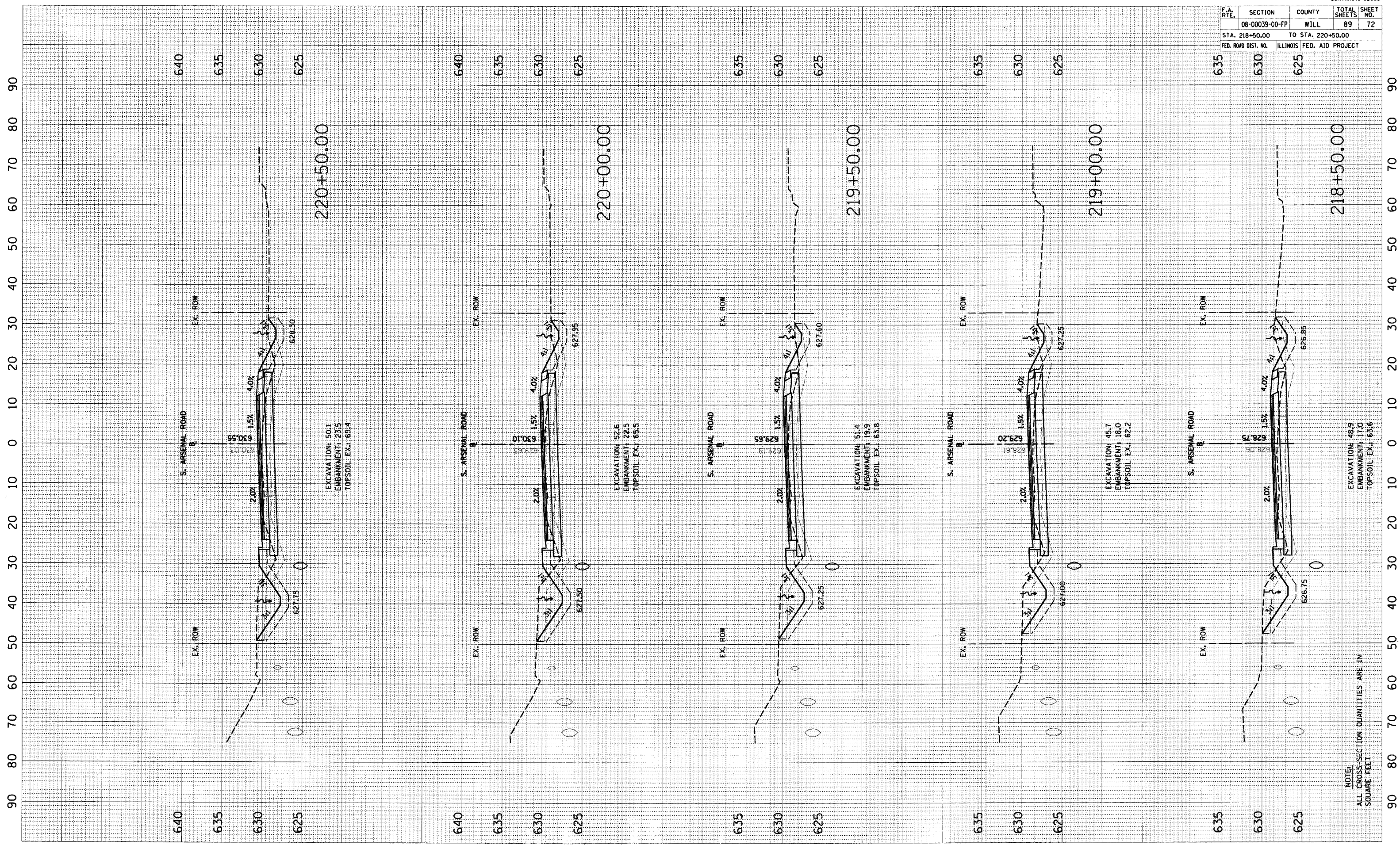
NOTE:
ALL CROSS-SECTION QUANTITIES ARE IN
SQUARE FEET

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	71
STA. 216+00.00		TO STA. 218+00.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



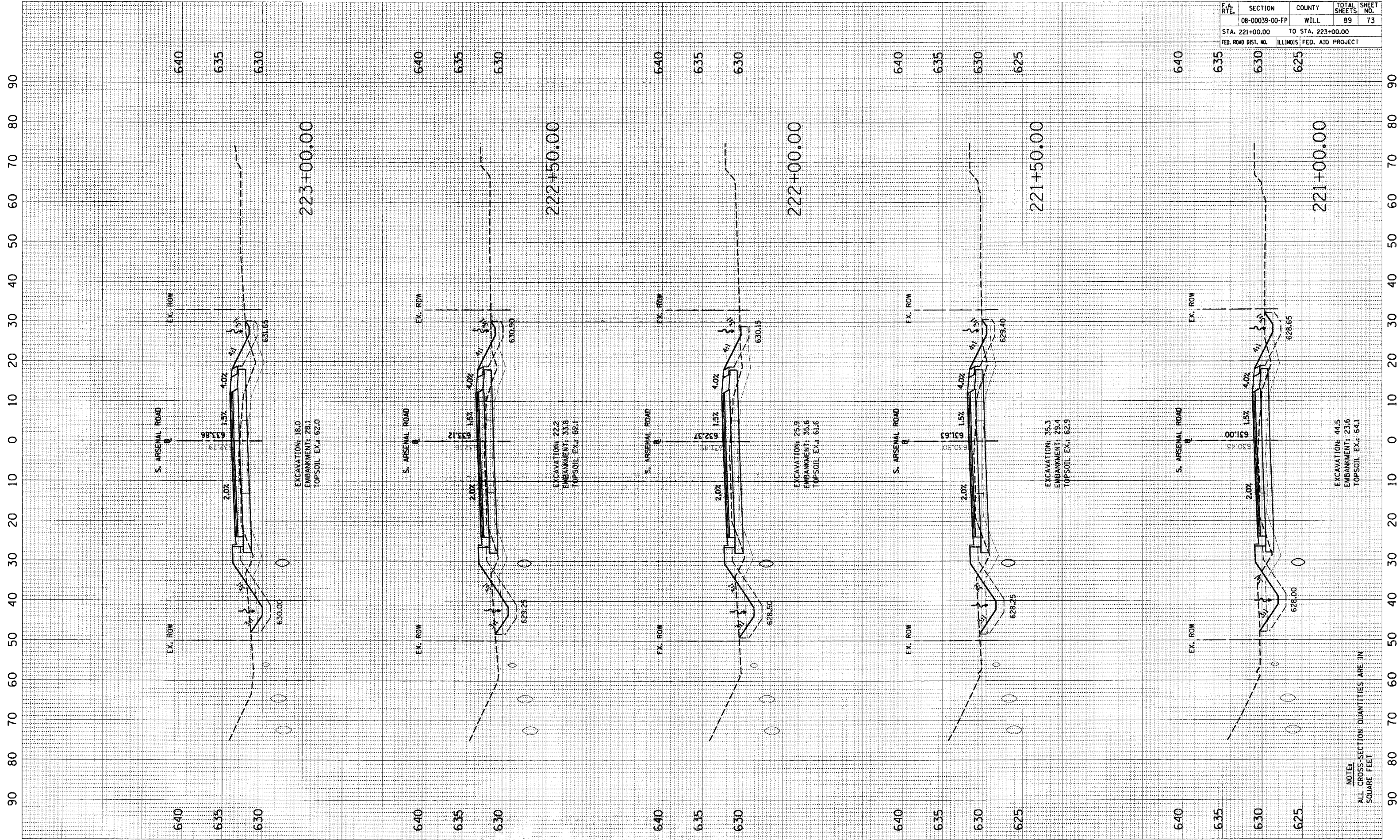
NOTE:
ALL CROSS-SECTION QUANTITIES ARE IN SQUARE FEET

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	72
STA. 218+50.00		TO STA. 220+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



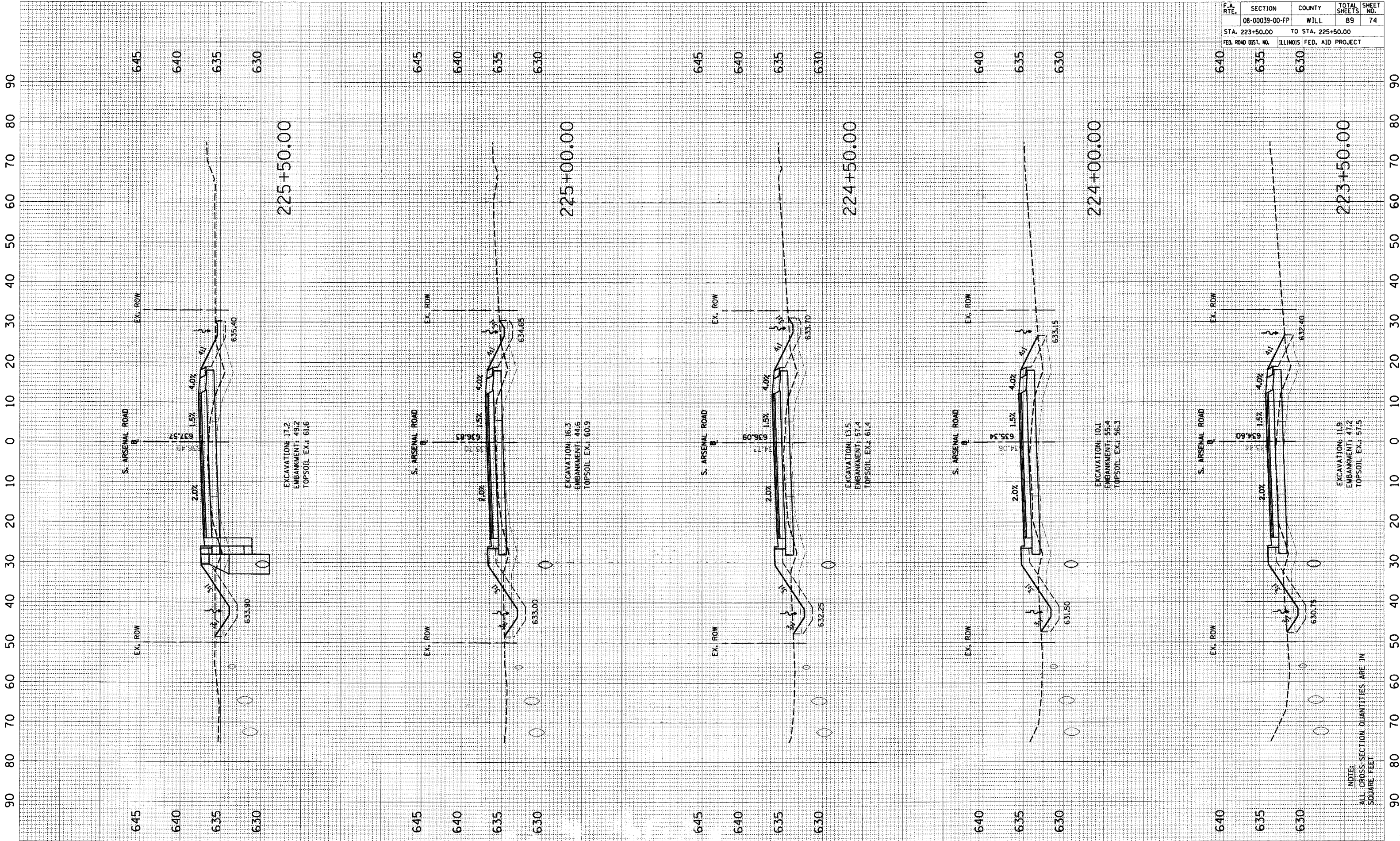
NOTE:
ALL CROSS-SECTION QUANTITIES ARE IN SQUARE FEET

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	73
STA. 221+00.00		TO STA. 223+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



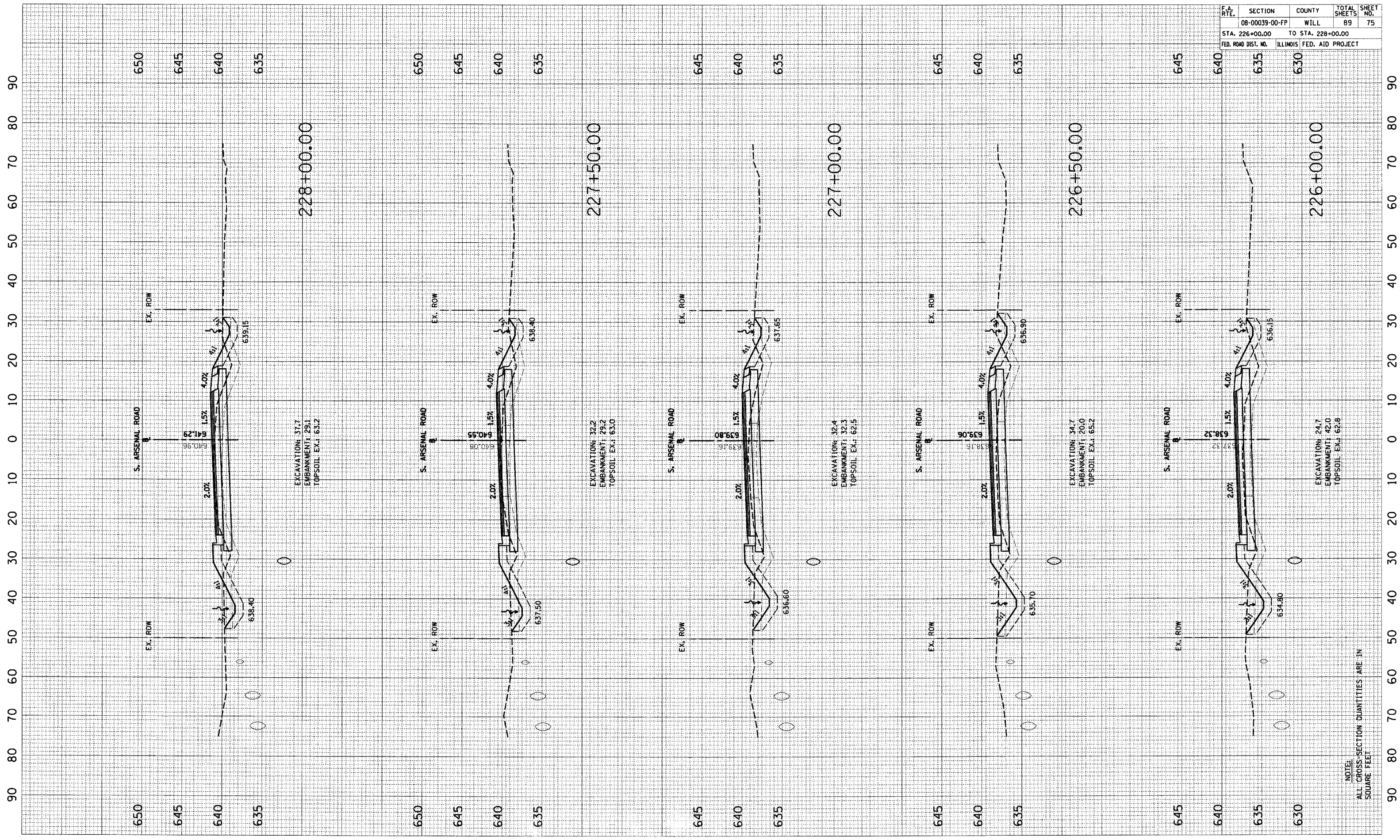
NOTE:
ALL CROSS-SECTION QUANTITIES ARE IN
SQUARE FEET

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	74
STA. 223+50.00		TO STA. 225+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



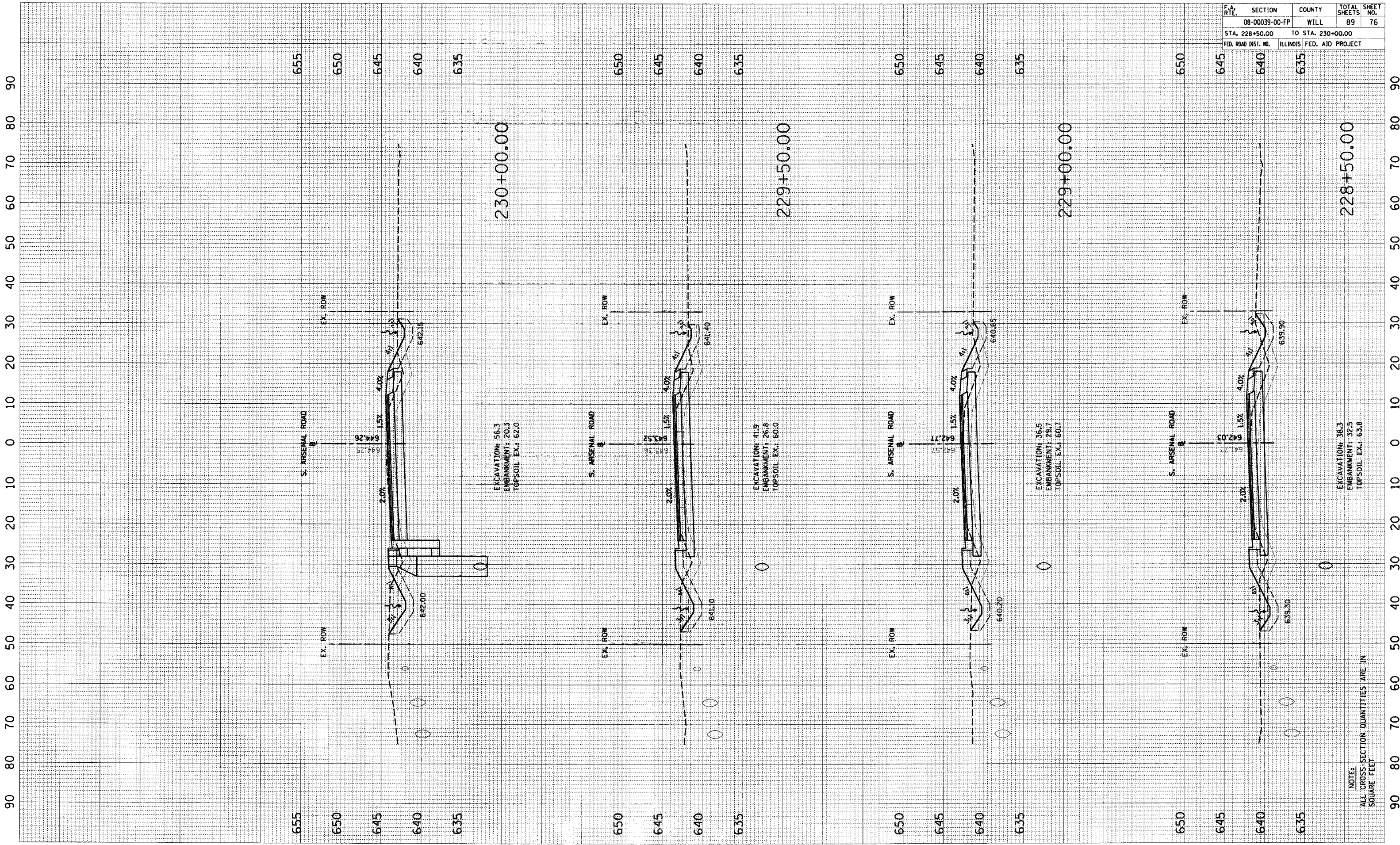
NOTE:
ALL CROSS-SECTION QUANTITIES ARE IN
SQUARE FEET

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	75
STA. 226+00.00		TO STA. 228+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



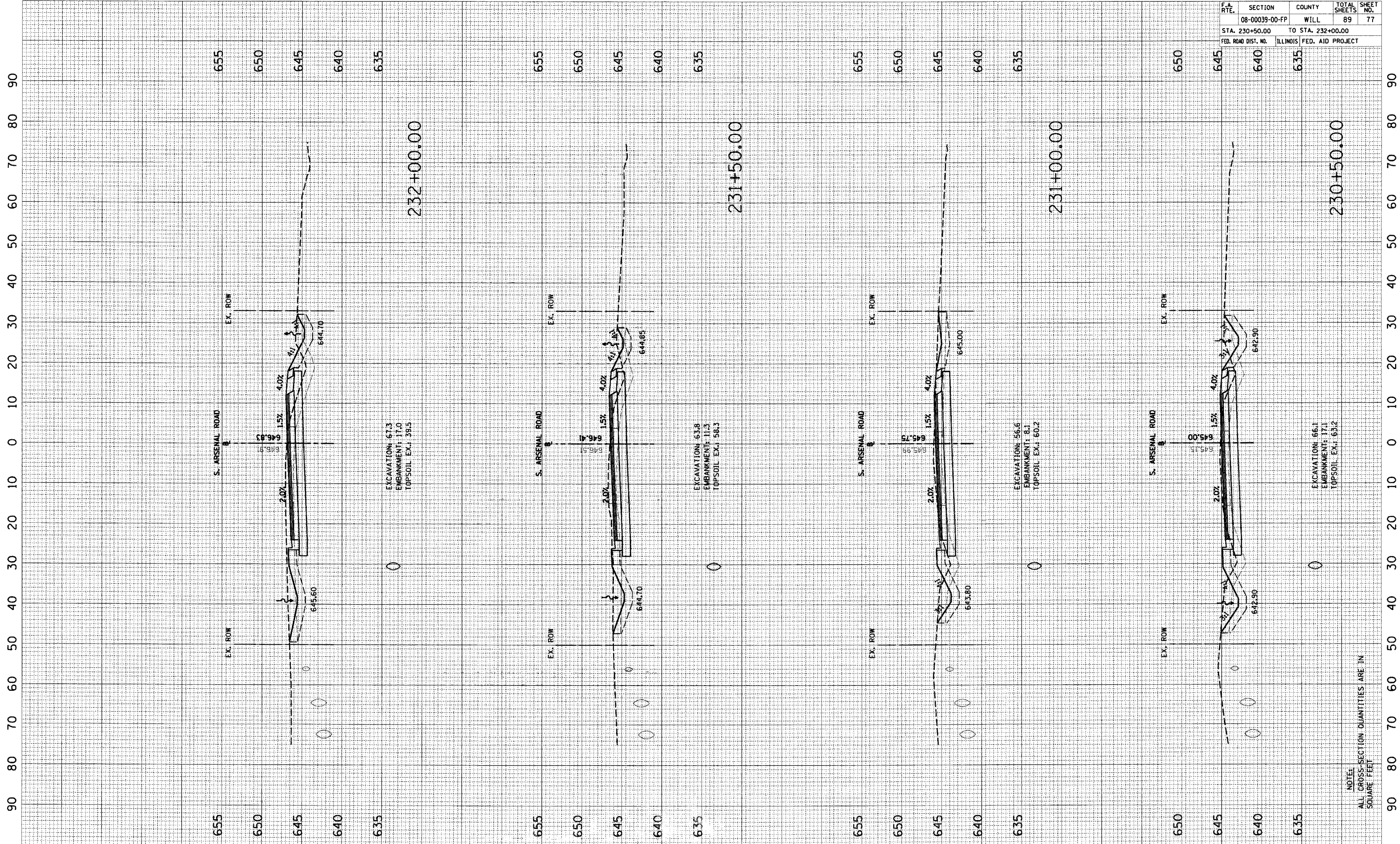
NOTE:
ALL CROSS-SECTION QUANTITIES ARE IN
SQUARE FEET

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	76
STA. 228+50.00		TO STA. 230+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



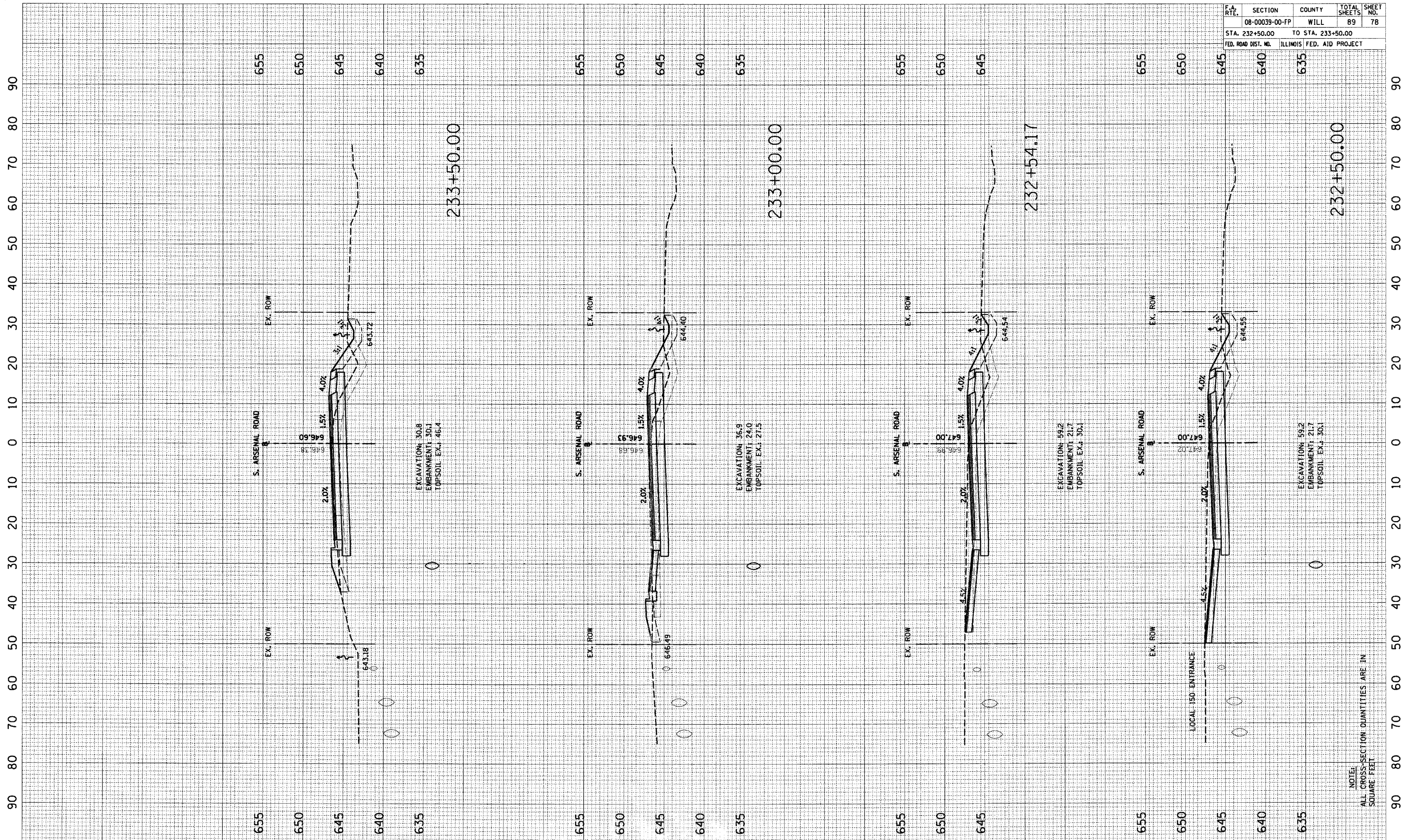
NOTES:
ALL CROSS-SECTION QUANTITIES ARE IN SQUARE FEET

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	77
STA. 230+50.00		TO STA. 232+00.00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



NOTE:
ALL CROSS-SECTION QUANTITIES ARE IN
SQUARE FEET

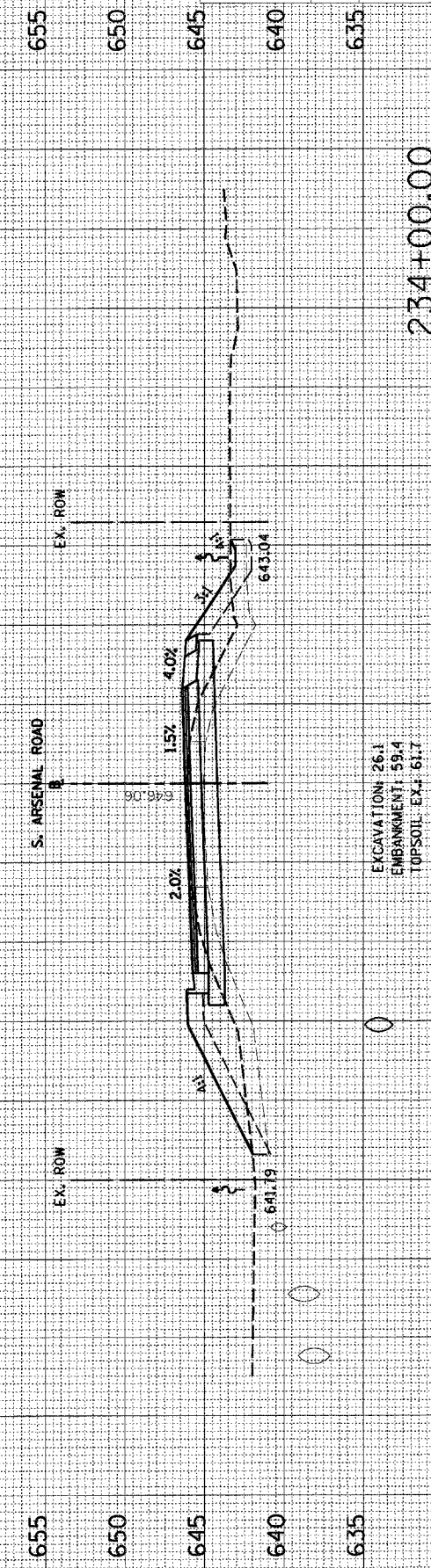
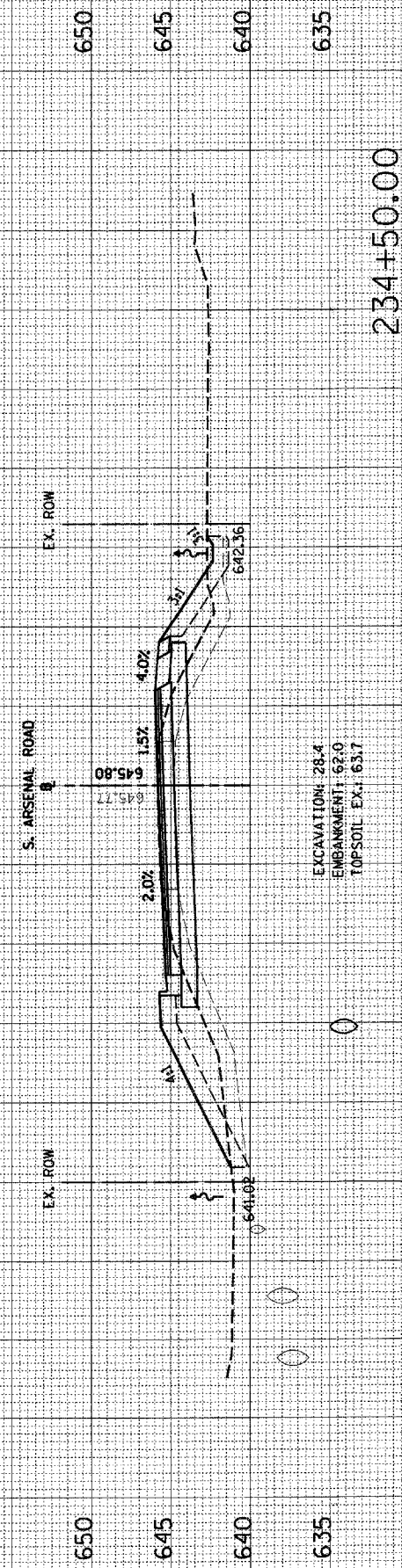
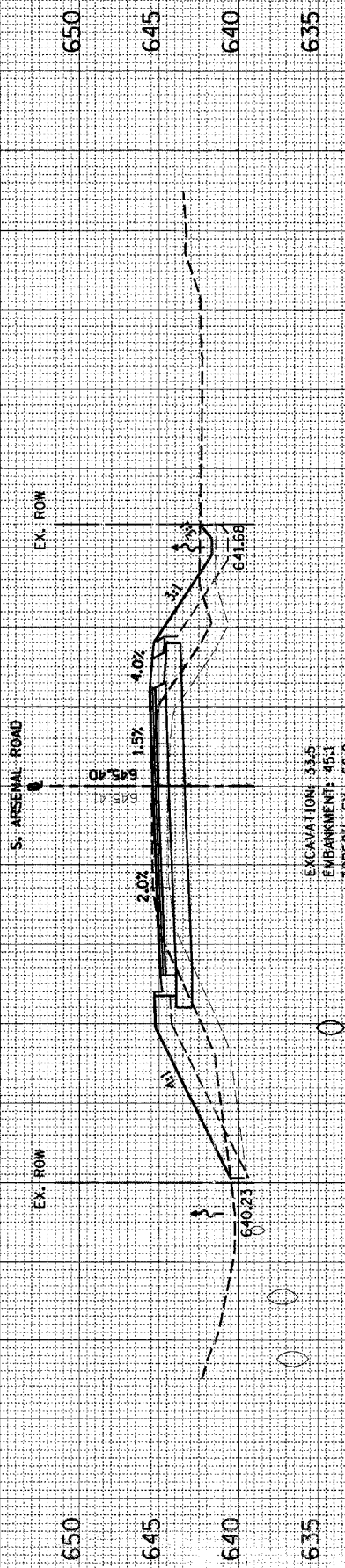
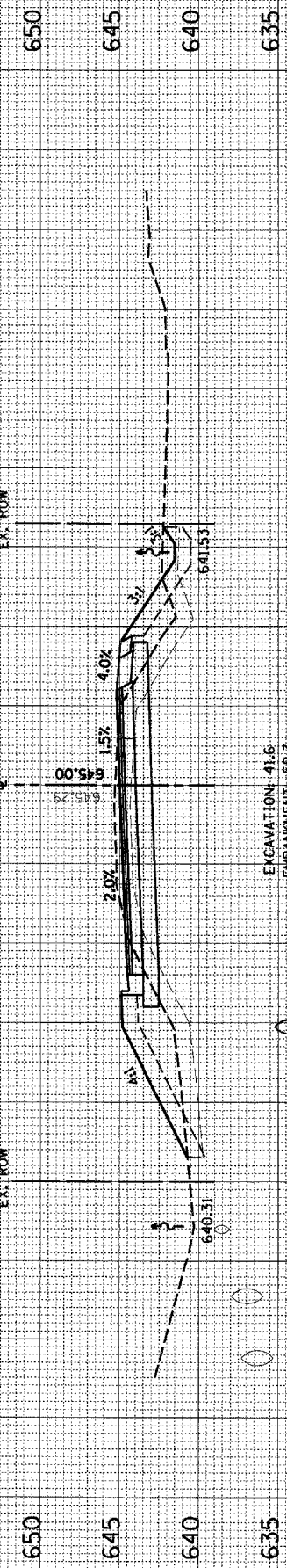
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	78
STA. 232+50.00		TO STA. 233+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



NOTE:
ALL CROSS-SECTION QUANTITIES ARE IN SQUARE FEET

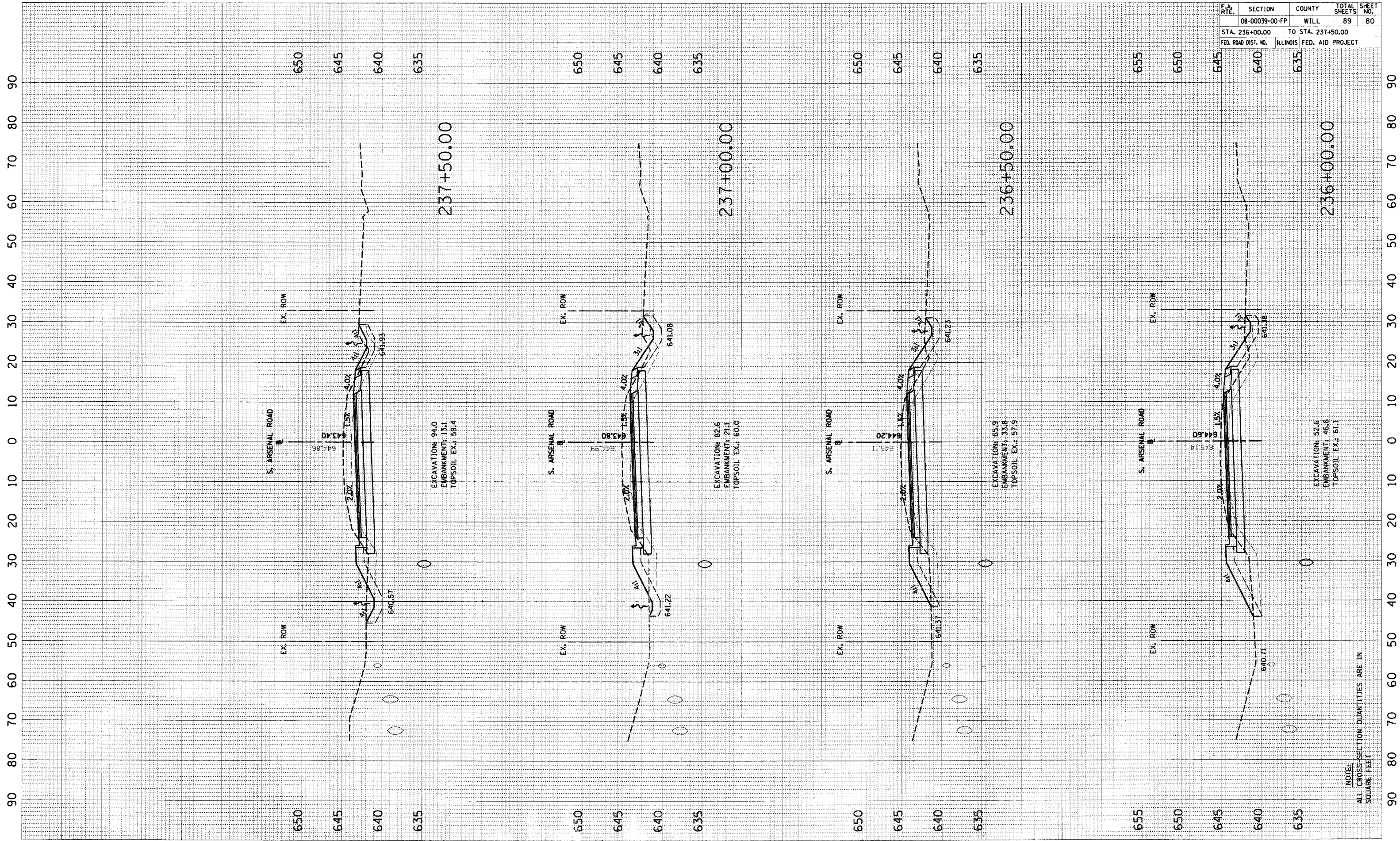
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	79
STA. 234+00.00		TO STA. 235+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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



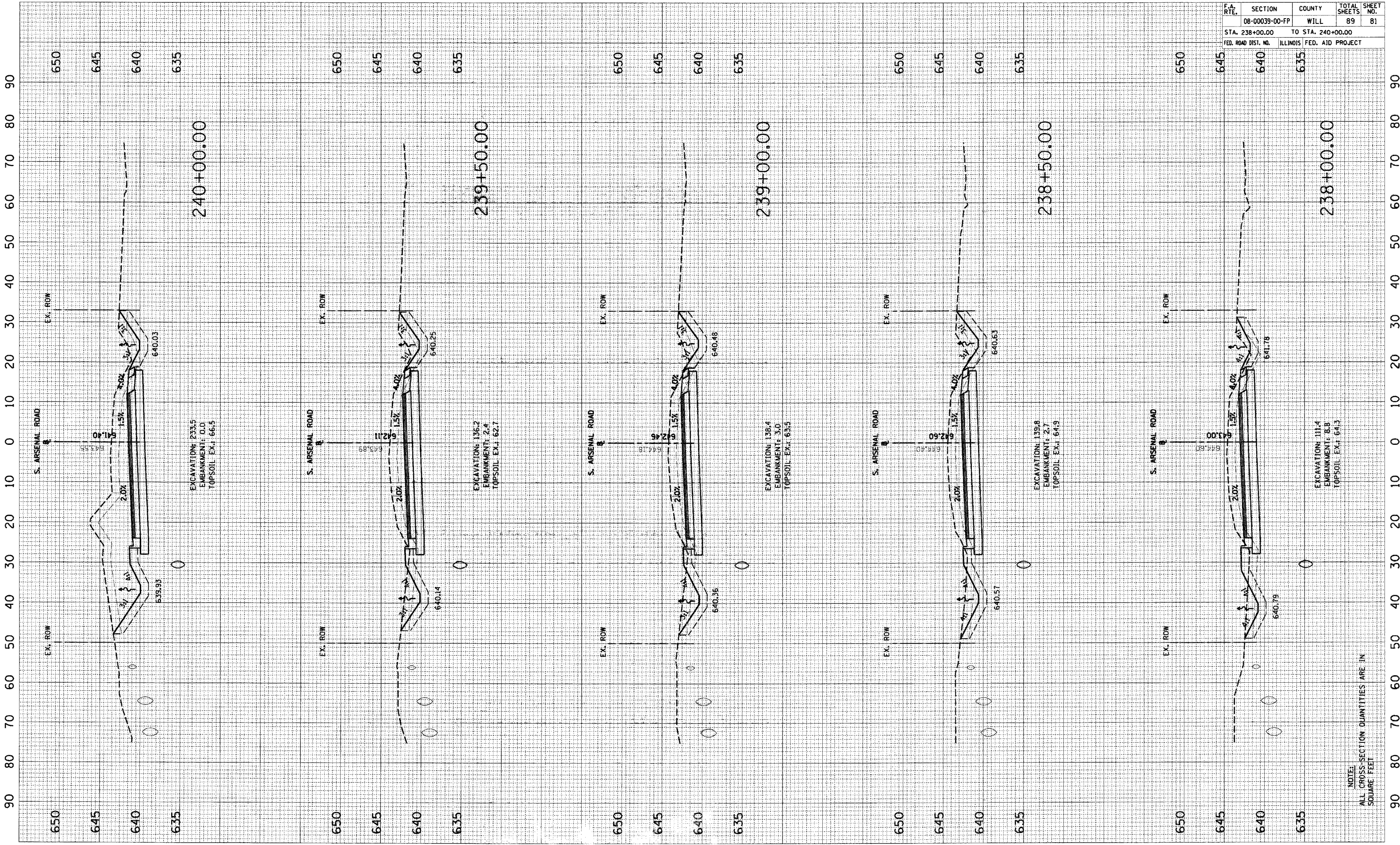
NOTE:
ALL CROSS-SECTION QUANTITIES ARE IN
SQUARE FEET

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	80
STA. 236+00.00		TO STA. 237+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



NOTES:
ALL CROSS-SECTION QUANTITIES ARE IN SQUARE FEET

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
08-00039-00-PP	WILL	89	81	
STA. 238+00.00 TO STA. 240+00.00				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



EXCAVATION: 233.5
 EMBANKMENT: 0.0
 TOPSOIL EX.: 66.5

EXCAVATION: 136.2
 EMBANKMENT: 2.4
 TOPSOIL EX.: 62.7

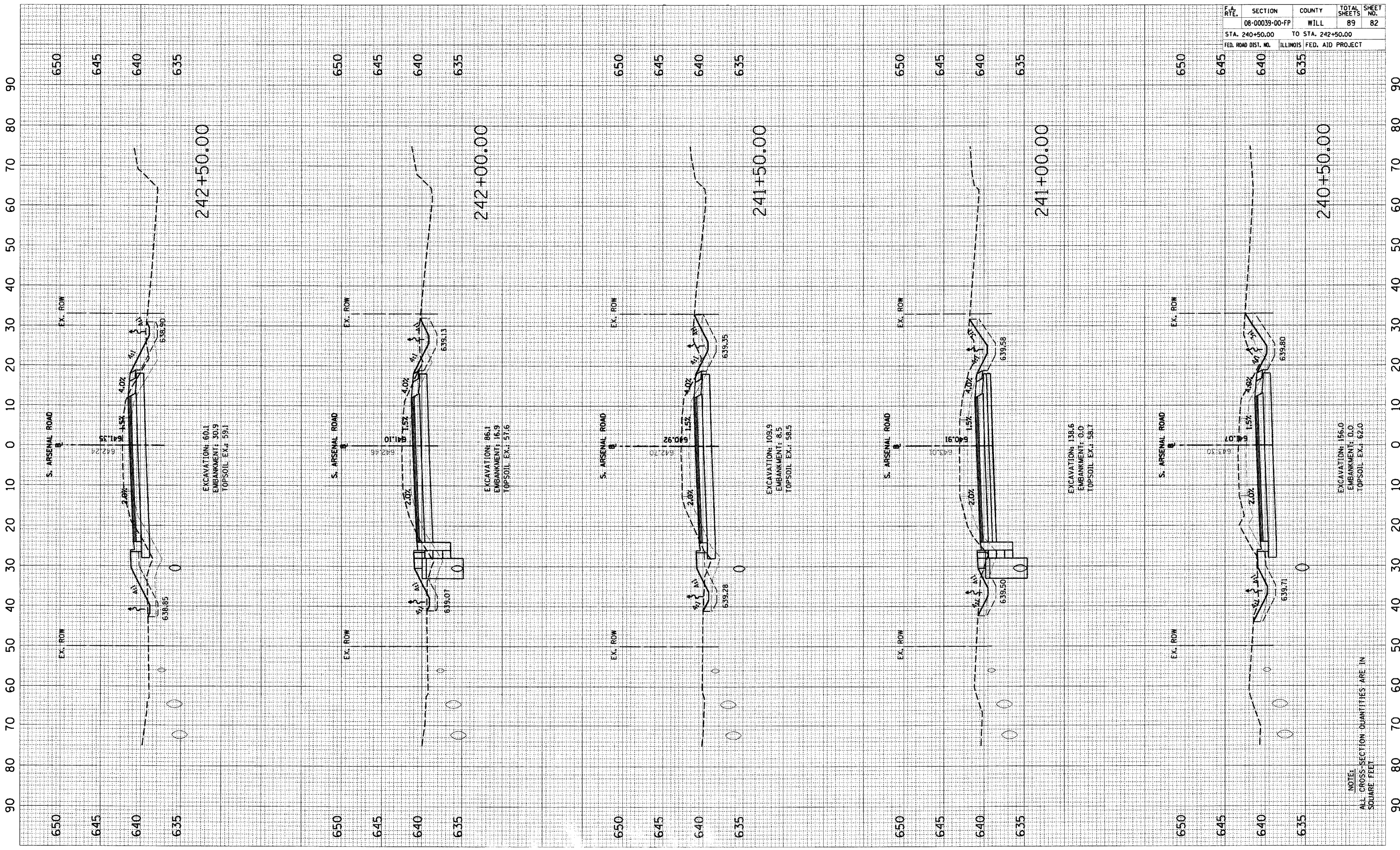
EXCAVATION: 138.4
 EMBANKMENT: 3.0
 TOPSOIL EX.: 63.5

EXCAVATION: 139.8
 EMBANKMENT: 2.7
 TOPSOIL EX.: 64.9

EXCAVATION: 111.4
 EMBANKMENT: 8.8
 TOPSOIL EX.: 64.3

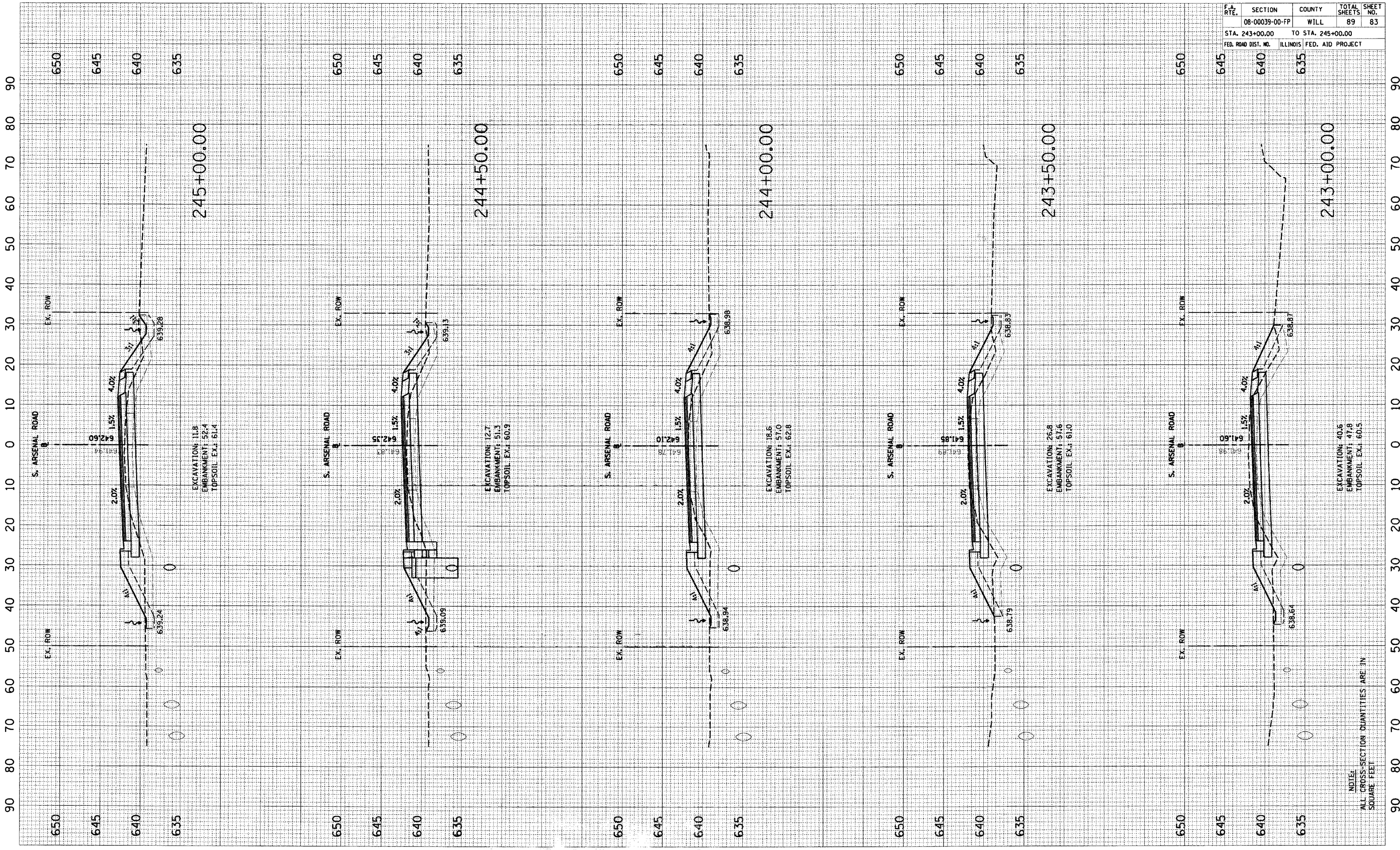
NOTE:
 ALL CROSS-SECTION QUANTITIES ARE IN
 SQUARE FEET

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-PP	WILL	89	82
STA. 240+50.00		TO STA. 242+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



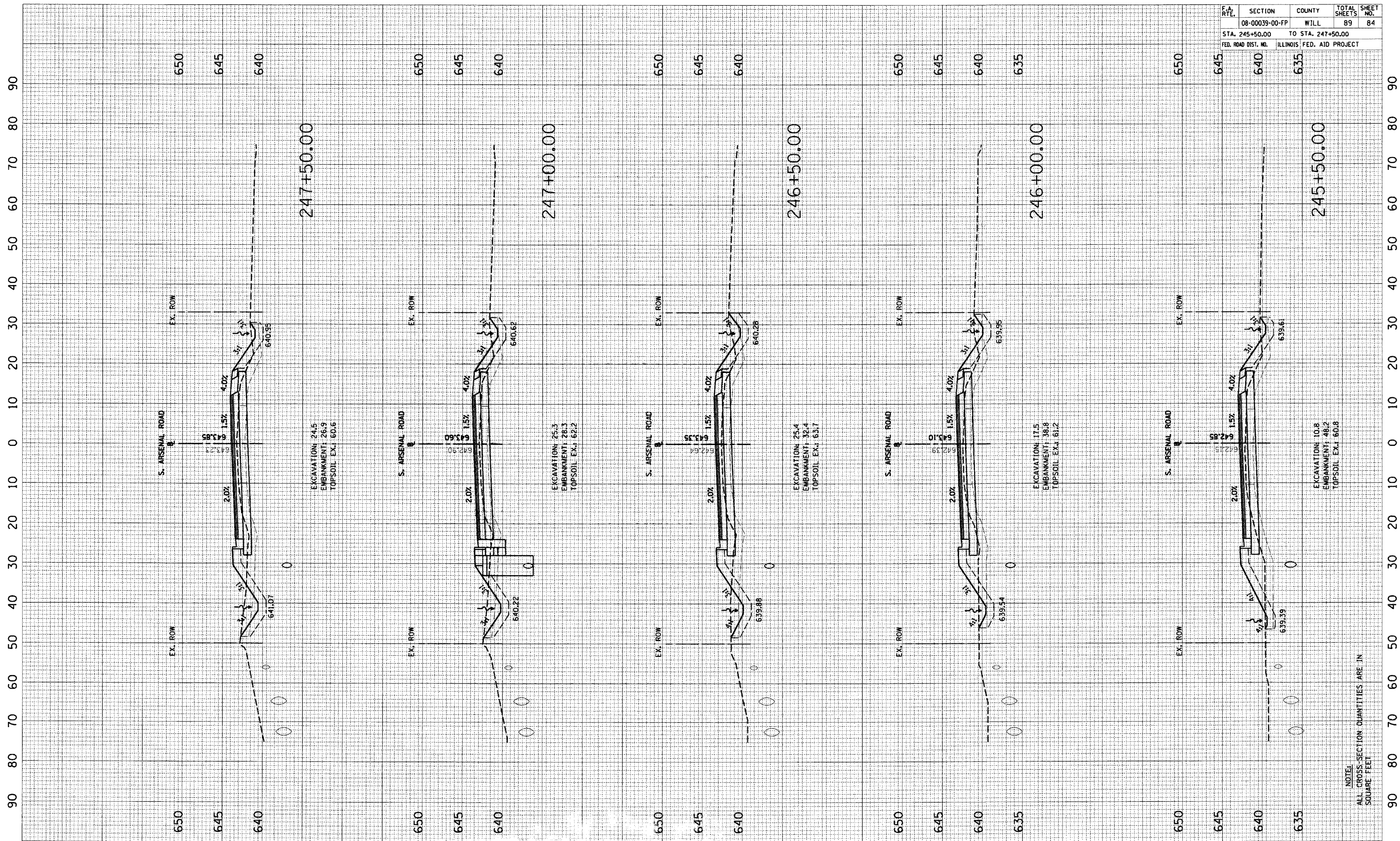
NOTE:
ALL CROSS-SECTION QUANTITIES ARE IN
SQUARE FEET

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	83
STA. 243+00.00		TO STA. 245+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



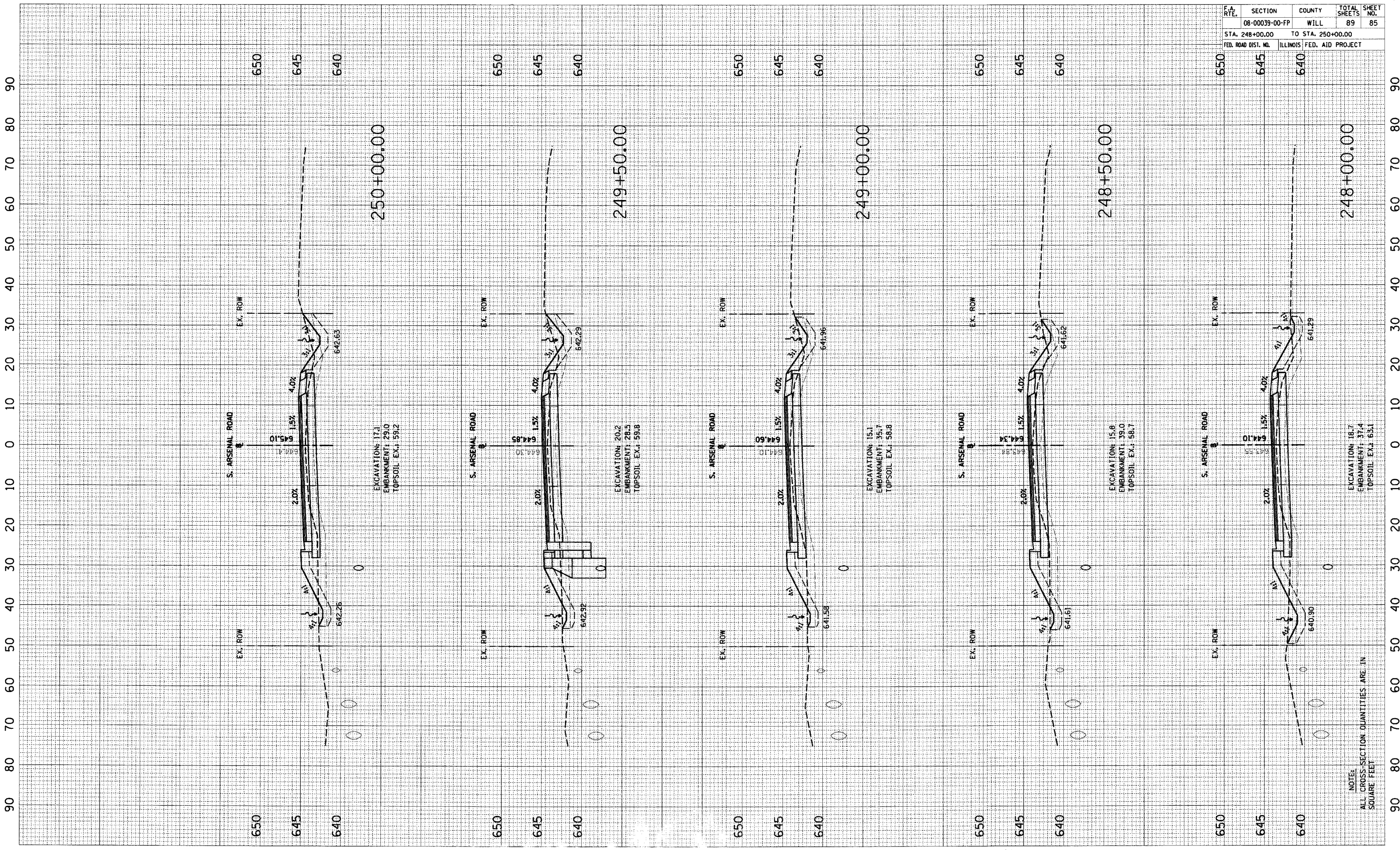
NOTE:
ALL CROSS-SECTION QUANTITIES ARE IN
SQUARE FEET

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
08-00039-00-FP	WILL	89	84	
STA. 245+50.00		TO STA. 247+50.00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



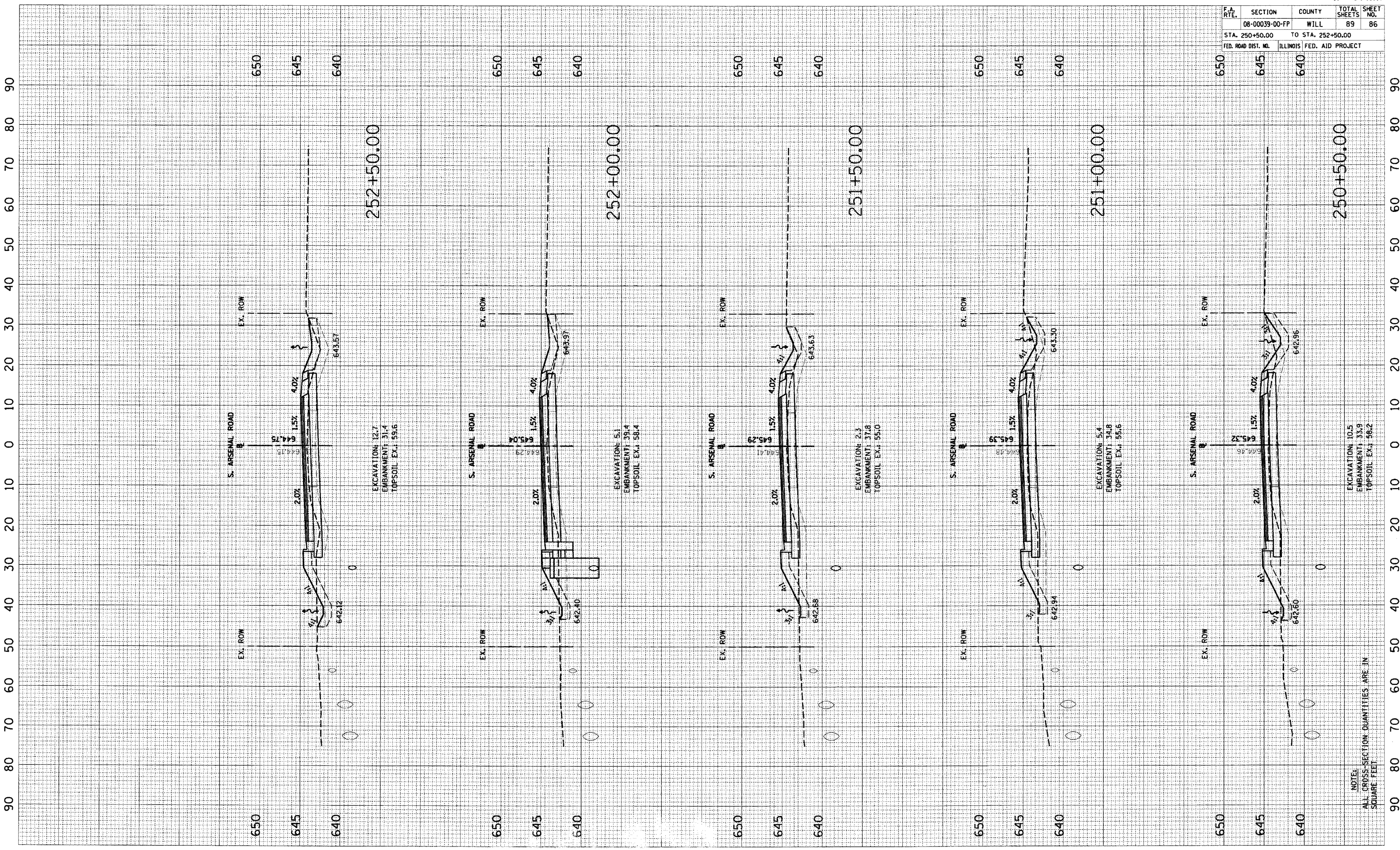
NOTE:
ALL CROSS-SECTION QUANTITIES ARE IN SQUARE FEET

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	85
STA. 248+00.00		TO STA. 250+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



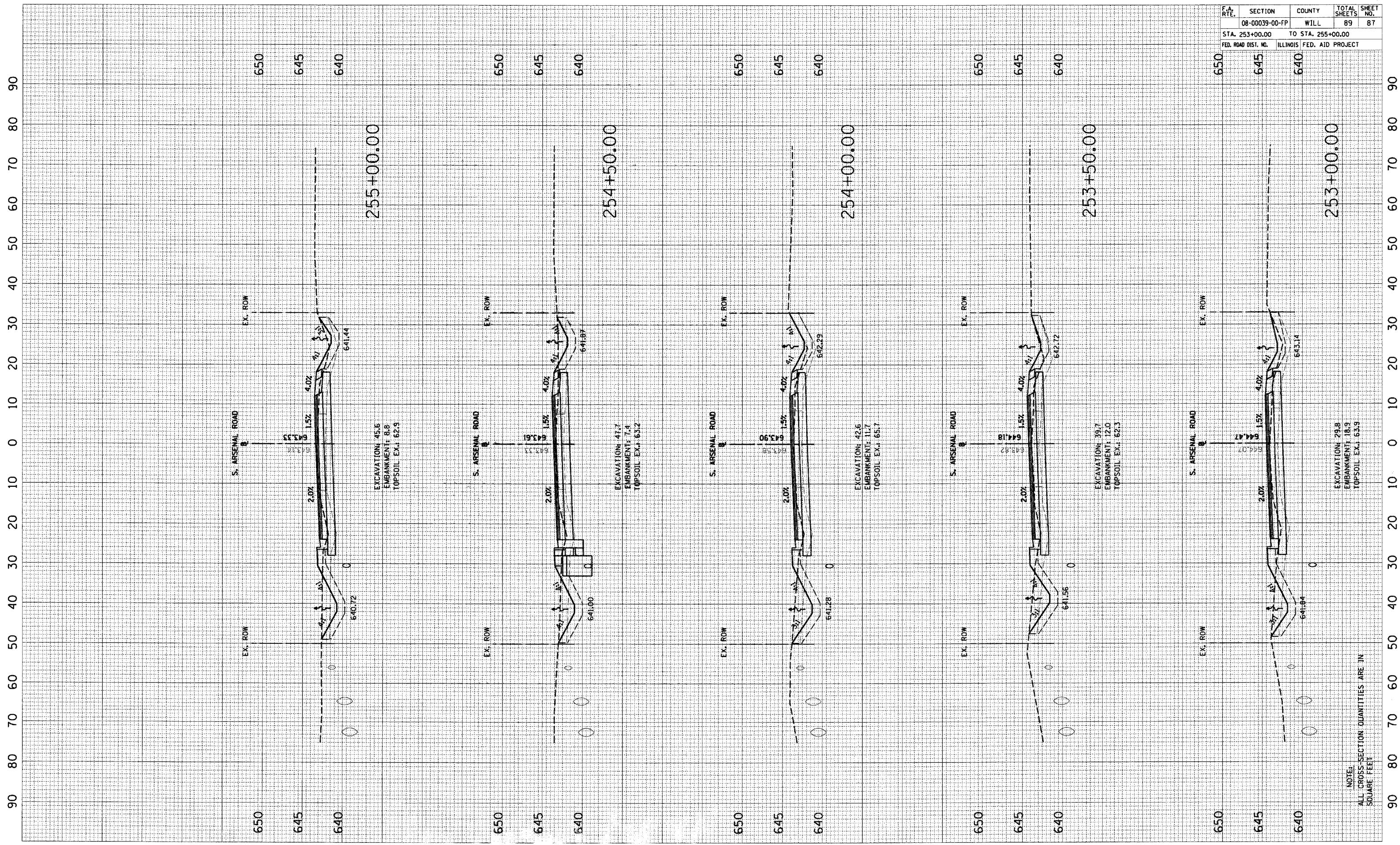
NOTE:
ALL CROSS-SECTION QUANTITIES ARE IN
SQUARE FEET

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-PP	WILL	89	86
STA. 250+50.00		TO STA. 252+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



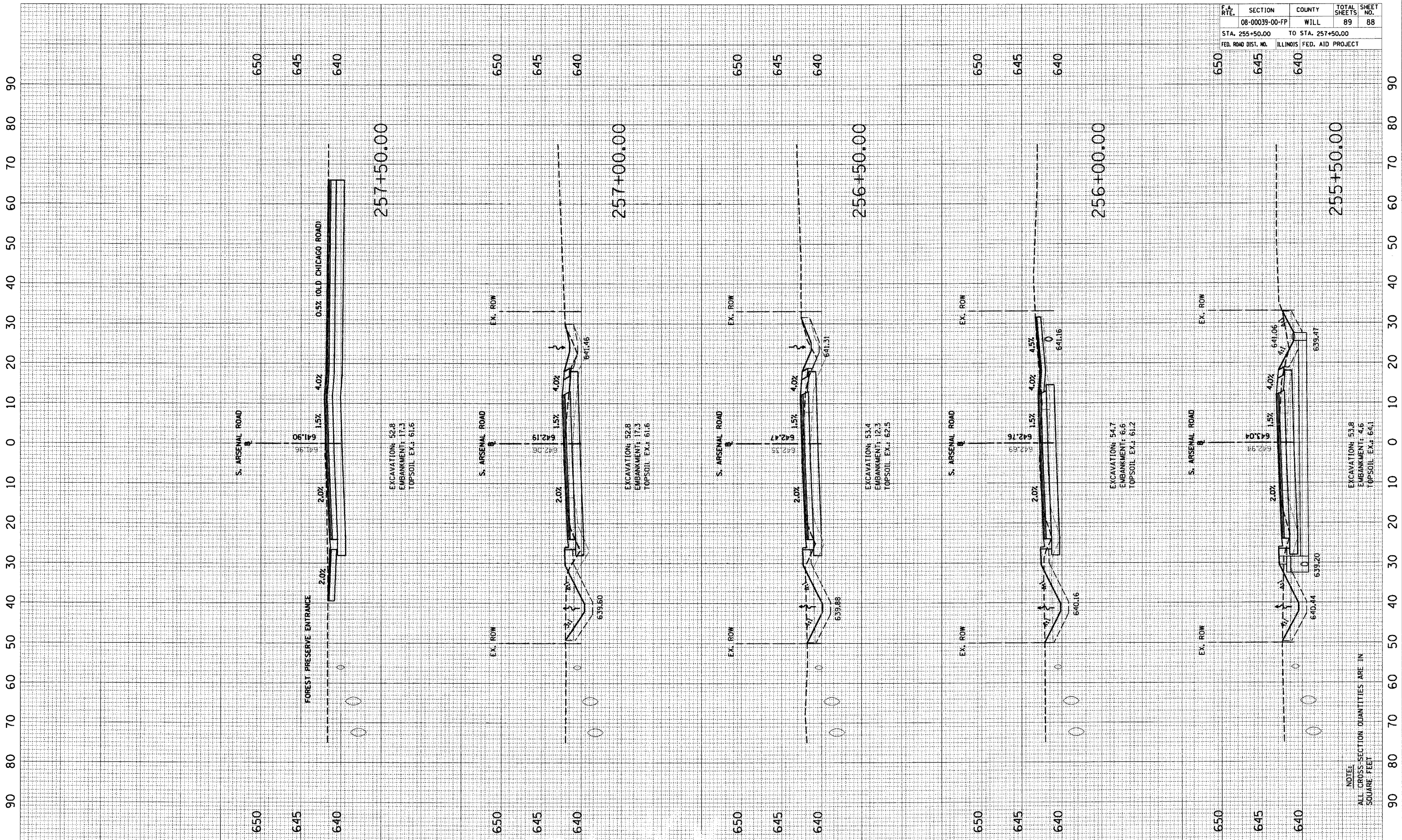
NOTE:
ALL CROSS-SECTION QUANTITIES ARE IN SQUARE FEET

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-FP	WILL	89	87
STA. 253+00.00		TO STA. 255+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



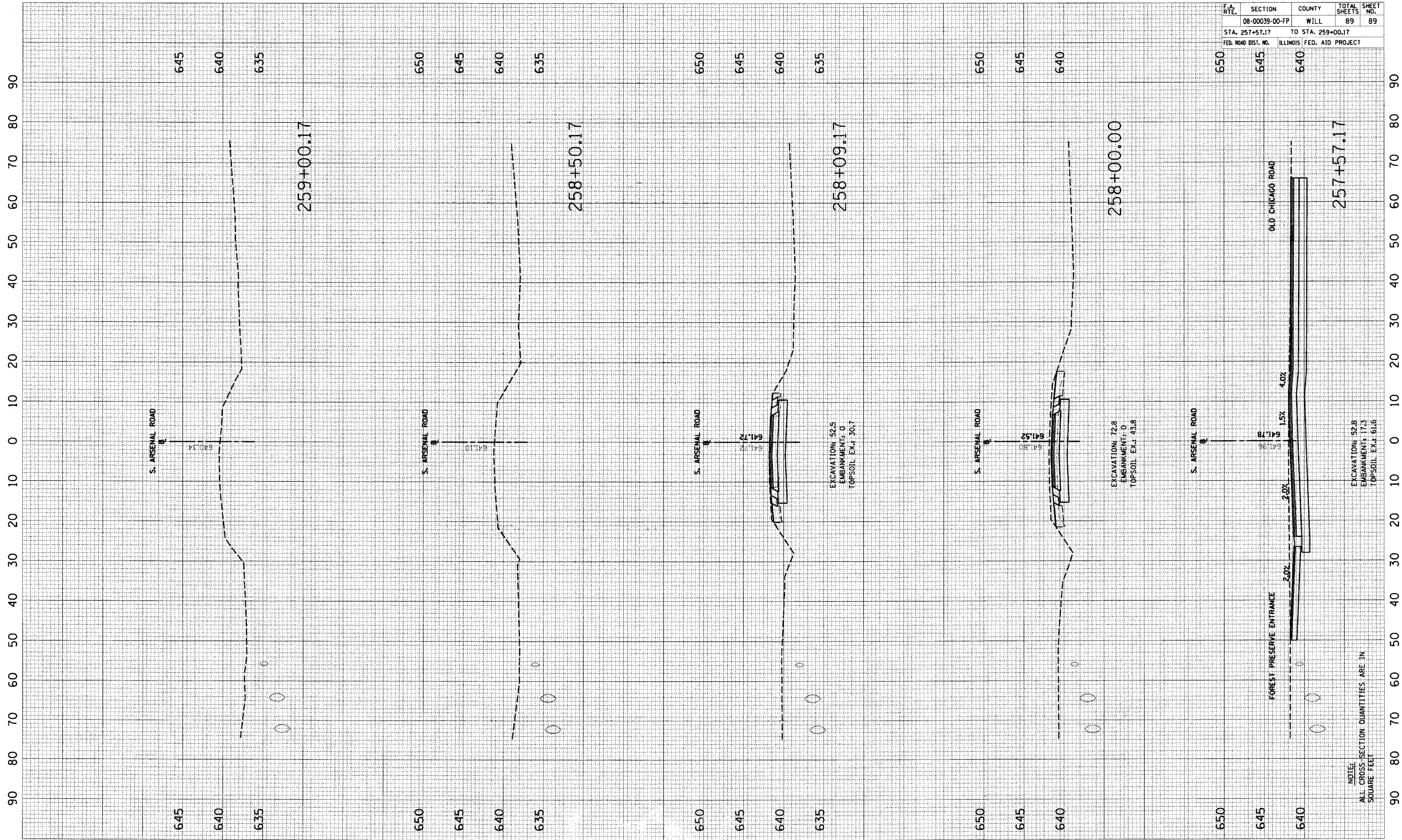
NOTE:
ALL CROSS-SECTION QUANTITIES ARE IN
SQUARE FEET

F.A. RTL.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00039-00-PP	WILL	89	88
STA. 255+50.00		TO STA. 257+50.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



NOTE:
ALL CROSS-SECTION QUANTITIES ARE IN SQUARE FEET

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
08-00039-00-FP		WILL	89	89
STA. 257+57.17		TO STA. 259+00.17		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



NOTE:
ALL CROSS-SECTION QUANTITIES ARE IN SQUARE FEET