

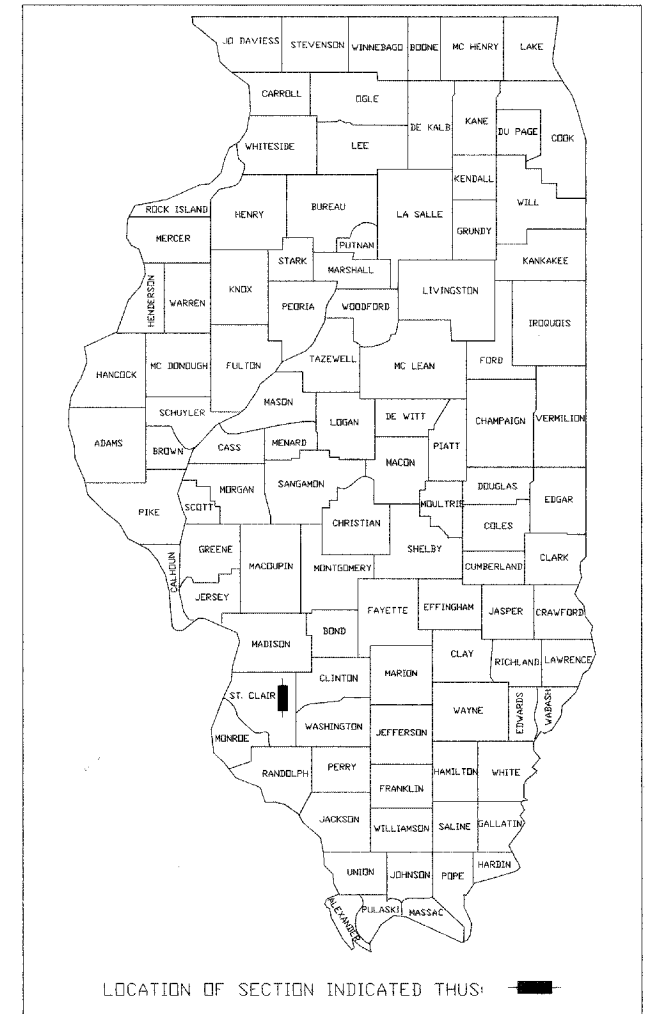
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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID PROJECT CITY OF MASCOUTAH PROPOSED COUNTY ROAD RECONSTRUCTION FAU ROUTE 9380 SECTION 02-00016-01-PV PROJECT NO. M-5011(249) ST. CLAIR COUNTY JOB NO. C-98-318-08

FAU ROUTE	IDOT SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9380	02-00016-01-PV	ST. CLAIR	113	1
FEDERAL AID PROJECT			ILLINOIS	
IDOT JOB NO. C-98-318-08				
IDOT CONTRACT NO. 97345				

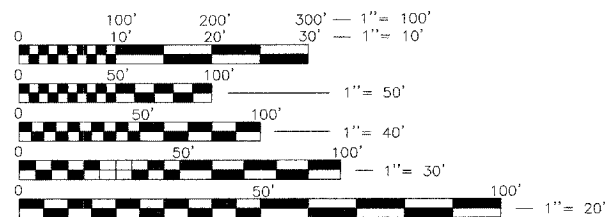


IDOT STANDARDS (ATTACHED AFTER PLANS)

000001-05	604001-02	701001-01	720011
001001-01	604091-01	701006-02	728001
001006	606001-03	701011-01	731001
280001-04	606006-01	701201-02	780001-01
482001-02	606101-03	701301-02	781001-02
542301-01	630001-07	701306-01	BLR 17-3
542306-01	630101-07	701311-02	BLR 18-4
602301-01	630301-04	701501-04	BLR 21-7
602401-01	635006-02	701901	BLR 22-5
602601-01	635011-01	720001	BLR 24-1
602701-01	666001	720006-01	

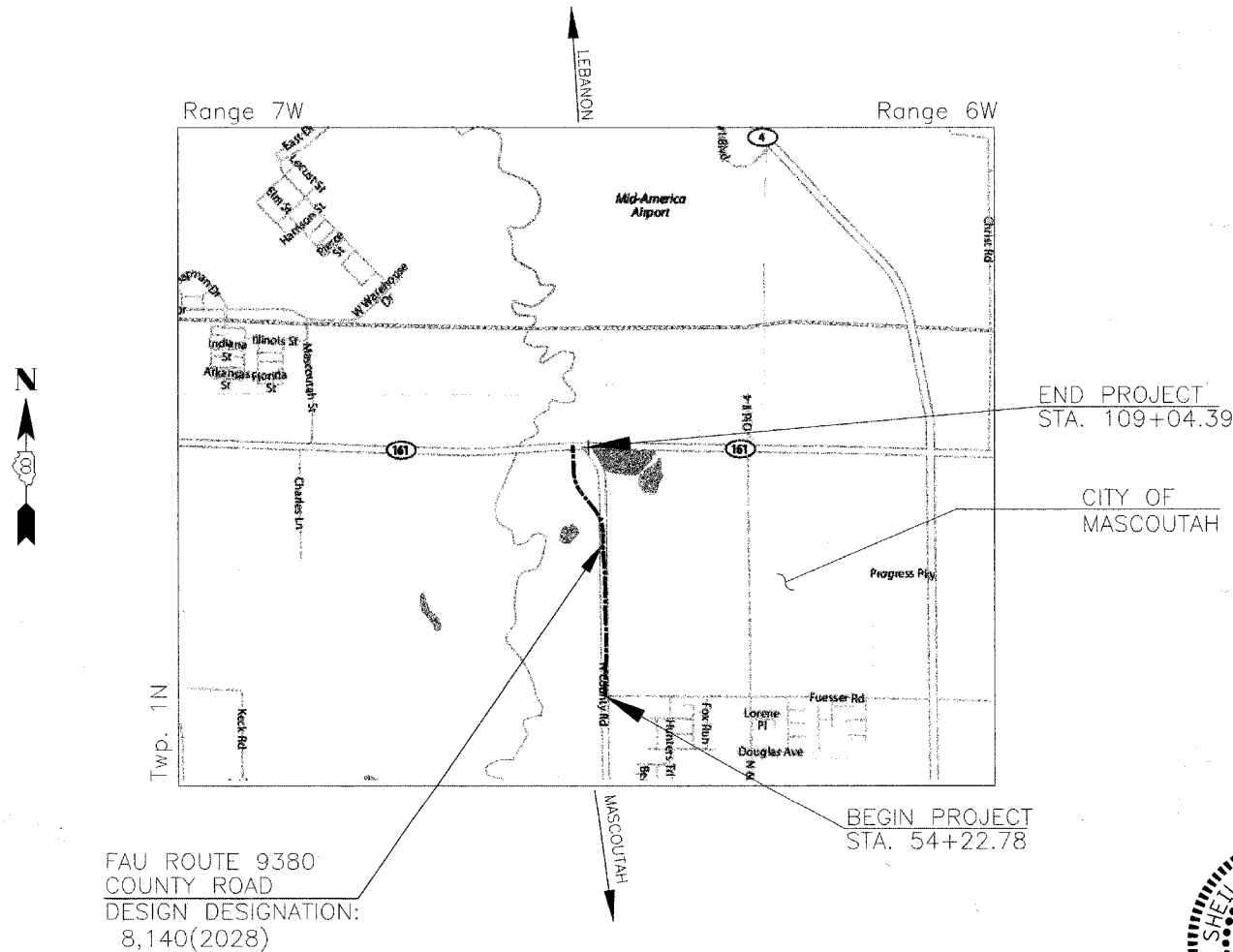
UTILITIES

- TELEPHONE**
VERIZON
111 EAST STATE STREET
MASCOUTAH, IL 62258
(618) 566-9815
- CABLE TV**
CHARTER COMMUNICATIONS
7645 MAGNA DRIVE, SUITE 100
BELLEVILLE, IL 62223
(618) 474-5205
- GAS**
AMEREN IP
2600 N. CENTER STREET
MARYVILLE, IL 62062
(618) 346-1279
- ELECTRIC/WATER/SANITARY SEWER**
CITY OF MASCOUTAH
3 WEST MAIN STREET
MASCOUTAH, IL 62258
(618) 566-2964



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



FAU ROUTE 9380
COUNTY ROAD
DESIGN DESIGNATION:
8,140(2028)

LOCATION MAP
N.T.S.

COUNTY ROAD
LENGTH OF PROJECT

COUNTY ROAD DESIGN DESIGNATION:
ROADWAY CLASSIFICATION - URBAN COLLECTOR
DESIGN SPEED - 40 MPH
DESIGN TRAFFIC (2028) ADT - 8,140
1.112(FD-20)

COUNTY ROAD
GROSS LENGTH = 5,481.61' (1.038 MILES)
NET LENGTH = 5,481.61' (1.038 MILES)



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED April 11 2008
By: [Signature]
MAYOR
CITY OF MASCOUTAH

PASSED April 15 2008
[Signature]
DISTRICT 8 ENGINEER
LOCAL ROADS & STREETS

RELEASED FOR
BID BASED ON
LIMITED REVIEW
April 15 2008
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS
REGION FIVE ENGINEER

Sheila J. Kimlinger April 10, 2008
SHEILA J. KIMLINGER, P.E.
LICENSE NO. 062-049175
EXPIRATION DATE
11-30-2009

PREPARED BY:
TWM
THOUVENOT, WADE & MOERCHEN, INC.

TWM JOB NO. T20-010154A

FBI ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-318-08	
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**THOUVENOT,
WADE &
MOERCHEN, INC.**
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MISSOURI LAND SURVEYING CORP.	NC 000346

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Signature Date:
Expiration Date:

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GENERAL NOTES

COUNTY ROAD
RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

TITLE

PROJECT:

REV	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: MJS	SHEET
DESIGNED BY: MJS	2
CHECKED BY: SJK	OF 113 SHEETS
APPROVED BY: -	PROJECT DESCRIPTION
PROJECT NUMBER: 20-010154	COUNTY ROAD REALIGNMENT
<input type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

GENERAL

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION, AS INDICATED BY THE SUB-NUMBER LISTED IN THE INDEX OF SHEETS, OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS. FOR CODED PAY ITEM DESCRIPTIONS, INCLUDED ITEMS, AND ALL MATERIAL SPECIFICATIONS, PLEASE REFER TO THE LATEST EDITION OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

THE CONTRACTOR SHALL CONFINE HIS/HER OPERATIONS TO THE AREA LOCATED WITHIN THE CONSTRUCTION LIMIT LINES, AS SHOWN ON PLANS. ANY AREA DISTURBED BEYOND THESE LIMITS SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.

ALL EXISTING ROADWAY FEATURES, SUCH AS CULVERTS, RIP RAP, PAVEMENT, FENCING, ETC., LOCATED WITHIN THE CONSTRUCTION LIMITS ARE TO BE REMOVED UNLESS NOTED OTHERWISE ON THE PLANS.

IT IS NOT WARRANTED THAT THIS DOCUMENT CONTAINS COMPLETE INFORMATION REGARDING EASEMENTS, RESERVATIONS, RESTRICTIONS, RIGHT-OF-WAYS, BUILDING LINE SETBACKS, AND OTHER ENCUMBRANCES. FOR COMPLETE INFORMATION, A TITLE OPINION OR COMMITMENT FOR TITLE INSURANCE SHOULD BE OBTAINED AND THOROUGHLY REVIEWED.

UTILITIES - LOCATIONS/INFORMATION ON PLANS

UNLESS NOTED OTHERWISE, THE TYPE, SIZE, DEPTH AND LOCATION OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS DELINEATED ON THE PLANS HAVE BEEN DETERMINED BY REVIEW OF AVAILABLE EXISTING "AS-BUILT" OR RECORD DRAWINGS, FIELD SURVEY OF J.U.L.I.E. MARKED UTILITIES, OR FIELD SURVEY OF ABOVE GROUND SURFACE UTILITY FEATURES. THE OWNER AND ENGINEER HAVE NOT UNDERTAKEN SUBSURFACE EXPLORATORY INVESTIGATIONS TO CONFIRM OR VERIFY THE UTILITIES SHOWN ON THESE PLANS; THEREFORE THEIR EXACT LOCATION, SIZE AND FUNCTION MUST BE CONSIDERED APPROXIMATE. THE EXISTING LOCATION OF ALL FIBER OPTIC, UNDERGROUND ELECTRIC, UNDERGROUND TELEPHONE, CABLE, WATER LINES AND PROPOSED SEWER FORCE MAIN LINES HAVE BEEN APPROXIMATED AT MINIMUM DEPTHS OF 24", 30", 24", 24", 30", AND 30", RESPECTIVELY.

THE ENGINEER AND OWNER FURTHER DO NOT WARRANT THAT ALL UTILITIES HAVE BEEN ILLUSTRATED ON THE DOCUMENTS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONTACTING J.U.L.I.E. FOR FIELD VERIFICATION OF ALL UTILITIES ON THE SITE PRIOR TO COMMENCEMENT OF CONSTRUCTION. IF THE CONTRACTOR DETERMINES THAT SUBSTANTIAL DISCREPANCY EXISTS BETWEEN FIELD VERIFIED UTILITIES AND THESE PLANS WHICH WOULD SIGNIFICANTLY AFFECT THE FUNCTION, COST, OR PERFORMANCE OF THE PROJECT. THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER FOR CLARIFICATION AND PROJECT DIRECTION.

CLEARING

AT LOCATIONS WHERE CLEARING IS INDICATED ON THE PLANS BEYOND THE LIMITS OF THE PROPOSED EXCAVATION OR EMBANKMENT, THE CONTRACTOR SHALL RESTORE THE DISTURBED EARTH BY BLADING AND SHAPING TO BLEND WITH THE ADJACENT GROUND. THE CLEARING WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION. RESEEDING WILL BE AS PROVIDED IN THE PLANS.

TREE REMOVAL

EVERY TREE SHALL BE SAVED, IF POSSIBLE. THE ENGINEER IN THE FIELD WILL VERIFY AND MARK ALL TREES REQUIRED TO BE REMOVED. SHOULD THE ENGINEER'S DECISION INCREASE OR DECREASE THE QUANTITIES OF WORK TO BE PERFORMED FROM THE PLANS, THE CONTRACTOR SHALL ACCEPT PAYMENT AS STATED IN ARTICLE 104.03 OF THE STANDARD SPECIFICATIONS. TREES OUTSIDE THE LIMITS OF CONSTRUCTION SHALL NOT BE DISTURBED UNLESS DESIGNATED BY THE ENGINEER. THE CITY SHOULD BE CONTACTED AND PRIOR APPROVAL OBTAINED FOR ANY TREE REMOVAL BEYOND THE LIMITS/LOCATIONS INCLUDED IN THE PLANS.

TREE REMOVAL MAY BE NECESSARY PRIOR TO UTILITY COMPANIES BEING ABLE TO RELOCATE THEIR FACILITIES OUTSIDE THE CONSTRUCTION LIMITS. THE CONTRACTOR SHOULD COORDINATE ANY CONTRACT TREE REMOVAL ACTIVITIES WITH THE UTILITY COMPANIES TO ELIMINATE CONFLICTS AND POTENTIAL DELAYS CAUSED BY UTILITY TREE REMOVAL ACTIVITIES OR INCOMPLETE UTILITY RELOCATIONS.

EROSION CONTROL

ALL TEMPORARY AND PERMANENT EROSION CONTROL DEVICES SHALL BE IMPLEMENTED AS SHOWN ON THE EROSION CONTROL PLAN.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO INSURE THAT ALL EROSION AND DISPLACED SEDIMENT DOES NOT MIGRATE OFF SITE. IF UNEXPECTED EROSION OR SEDIMENTATION OCCURS, OR IF THE EROSION PLAN STRUCTURES BECOME DAMAGED, THE CONTRACTOR SHALL PROVIDE SUFFICIENT MEASURES TO REPAIR, REPLACE, OR INSTALL EROSION CONTROL STRUCTURES TO INSURE OFF-SITE DAMAGE DOES NOT OCCUR. ANY SEDIMENT OR EROSION DAMAGE WHICH OCCURS OFF-SITE SHALL BE REPAIRED BY THE CONTRACTOR AT HIS/HER EXPENSE.

STORM SEWER/ CULVERTS

THE CONTRACTOR IS ADVISED THAT THE PROPOSED STORM SEWER ROADWAY CROSSINGS MAY CONFLICT WITH THE PROPOSED LIME STABILIZATION OPERATIONS DUE TO MINIMAL COVER OVER THE PIPES. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN THESE AREAS SO AS NOT TO CAUSE ANY DAMAGE TO THE PROPOSED STORM SEWERS. THIS MAY NECESSITATE VARYING THE METHODS OF LIME STABILIZATION. NO DIRECT PAYMENT SHALL BE MADE FOR THESE ACCOMMODATIONS.

FIELD CONDITIONS MAY PROHIBIT THE USE OF TAPERED TOPS ON SOME PROPOSED DRAINAGE STRUCTURES. ALL DRAINAGE STRUCTURES THAT REQUIRE A PRECAST REINFORCED CONCRETE FLAT SLAB TOP ARE INDICATED WITH THE ABBREVIATION F.S.T. ON THE PLANS. THE TOP OF STRUCTURE ELEVATIONS SHOWN ON THE PLANS, INDICATED BY T.O.S., REPRESENT THE FOLLOWING ELEVATION FOR THE VARIOUS CASTINGS/STRUCTURES ASSOCIATED WITH THIS PROJECT:

- TYPE IFRAME AND LID - TOP OF FRAME/LID
- TYPE 24 FRAME AND GRATE - FLOW LINE OF FRAME & GRATE

THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER IN REGARD TO THE EXACT LENGTH OF THE STORM SEWERS REQUIRED PRIOR TO ORDERING THESE ITEMS.

EXISTING DITCHES/SWALES WILL NEED TO BE REGRADED/SHAPED TO ENSURE ALL FLOWS ENTER THE PROPER DITCH, CROSSROAD, CULVERT, POND OR OTHER DRAINAGE APPURTENANCES.

DRAINAGE DURING STAGE CONSTRUCTION

IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN POSITIVE DRAINAGE DURING VARIOUS STAGES OF CONSTRUCTION. THIS INCLUDES ALL LABOR MATERIALS USED BEYOND WHAT IS SPECIFIED IN THE PLANS. ITEMS SUCH AS TEMPORARY DITCHES AND PIPES DEEMED NECESSARY FOR MAINTAINING DRAINAGE ARE CONSIDERED TO BE THE EXPANSIBILITY OF THE CONTRACTOR AND WILL NOT BE PAID SEPARATELY.

PROPERTY OWNER ACCESS REQUIREMENT

ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION, UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS WITH A COPY TO THE ENGINEER FOR SHORT-TERM CLOSURE.

TRAFFIC CONTROL

ALL EXISTING PAVEMENT MARKING REMOVAL IS INCLUDED IN THE QUANTITY PAVEMENT MARKING REMOVAL AND ALL WORK ZONE, SHORT-TERM, AND TEMPORARY PAVEMENT MARKING REMOVAL IS INCLUDED IN THE QUANTITY WORK ZONE PAVEMENT MARKING REMOVAL.

ALL EXCAVATION ADJACENT TO THE EDGE OF PAVEMENT SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES WITH APPROPRIATE LIGHTING. ACCORDING TO SECTION 701 OF THE CURRENT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION.

NO OVERNIGHT LANE CLOSURES SHALL BE ALLOWED ON COUNTY ROAD. LANE CLOSURES SHALL BE RESTRICTED TO MONDAY THROUGH SATURDAY. IF THE CONTRACTOR CHOOSES TO DEVIATE FROM THESE RESTRICTIONS, THE CONTRACTOR MUST CONTACT THE CITY OF MASCOUTAH AND ACQUIRE APPROVAL.

TRAFFIC CONTROL SIGNS SHALL BE 48" FLUORESCENT ORANGE.

THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE CITY OF MASCOUTAH AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES OR WORK REQUIRING INSPECTION OR APPROVAL BY THE AFFECTED UNITS OF GOVERNMENT.

PAVEMENT

THE REMOVAL OF ALL EXISTING CONCRETE ENTRANCE PAVEMENT HAS BEEN INCLUDED IN THE DRIVEWAY PAVEMENT REMOVAL QUANTITY. THE REMOVAL OF ALL EXISTING AGGREGATE ENTRANCE PAVEMENT AND ALL OIL & CHIP ROADWAY PAVEMENT REMOVAL SHALL BE INCLUDED IN THE EARTH EXCAVATION QUANTITY AND SHALL NOT BE MEASURED, NOR PAID FOR, AS A SEPARATE REMOVAL ITEM.

CONTINUOUS PAVING OPERATIONS ON THE MAIN ROADWAY SHALL BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION OF THE HOT MIX ASPHALT. NO INTERRUPTIONS FOR SIDE ROADS, ENTRANCES, TURN LANES, ETC. WILL BE ALLOWED.

SIGNS

SIGNS NOT RESURRECTED WILL REVERT BACK TO RESPONSIBLE PARTY, WHETHER IT BE THE CITY OF MASCOUTAH OR THE ILLINOIS DEPARTMENT OF TRANSPORTATION. ENGINEER WILL CONTACT APPROPRIATE AGENCY FOR SIGN RETURN. FOR ILLINOIS DEPARTMENT OF TRANSPORTATION SIGNS, CONTRACT JEAN SLAPE AT 618/346-3289.

RIGHT-OF-WAY MARKERS

RIGHT-OF-WAY MARKERS SHALL BE SET SO THE BACK OF THE POST IS TWELVE (12) INCHES INSIDE THE RIGHT-OF-WAY BOUNDARY. RIGHT-OF-WAY CORNERS ARE MARKED BY A 5/8" IRON ROD WITH IDOT ALUMINUM CAP AND SHALL NOT BE REMOVED OR DAMAGED WHEN SETTING THE RIGHT-OF-WAY MARKERS.

NO COMMITMENTS

PLOT DATE = 4/10/2008
PLOT SCALE = 20.0000
USER NAME = rbellano

SUMMARY OF QUANTITIES

FED. ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO.	C-98-318-08	
IDOT CONTRACT NO.	97345	

THOUVENOT, WADE & MOERCHEN, INC.
ENGINEERS ♦ SURVEYORS ♦ PLANNERS



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waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Signature: _____
Signature Date: _____
Expiration Date: _____

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CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE																
				-	-	-	-	-	-	-	-	-	-							
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	145																	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	62																	
20200100	EARTH EXCAVATION	CU YD	27,867																	
20200410	EARTH EXCAVATION (SPECIAL)	CU YD	705																	
20800150	TRENCH BACKFILL	CU YD	238																	
25000200	SEEDING, CLASS 2	ACRE	5.5																	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	495																	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	495																	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	495																	
25100115	MULCH, METHOD 2	ACRE	5.5																	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1,254																	
28000300	TEMPORARY DITCH CHECKS	EACH	67																	
28000400	PERIMETER EROSION BARRIER	FOOT	788																	
28000500	INLET AND PIPE PROTECTION	EACH	26																	
28100107	STONE RIPRAP, CLASS A4	SQ YD	288																	
28100109	STONE RIPRAP, CLASS A5	SQ YD	111																	
28200200	FILTER FABRIC	SQ YD	399																	
30200650	PROCESSING MODIFIED SOIL 12"	SQ YD	17,152																	
30201500	LIME	TON	330																	
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	345																	
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	100																	
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	5																	
40600895	CONSTRUCTING TEST STRIP	EACH	2																	
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	7,188																	
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1,755																	
40800020	BITUMINOUS MATERIALS (PRIME COAT)	TON	0.5																	
40800030	AGGREGATE (PRIME COAT)	TON	0.9																	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	58																	
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	147																	
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	225																	
44000100	PAVEMENT REMOVAL	SQ YD	119																	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	58																	
44004250	PAVED SHOULDER REMOVAL	SQ YD	108																	
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	3,927																	
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	4,493																	
50105220	PIPE CULVERT REMOVAL	FOOT	40																	
50105225	PIPE CULVERT REMOVAL (SPECIAL)	FOOT	46																	
54001001	BOX CULVERT END SECTION, CULVERT NO.1	EACH	4																	
54001002	BOX CULVERT END SECTION, CULVERT NO.2	EACH	2																	

SUMMARY OF QUANTITIES
 COUNTY ROAD RECONSTRUCTION - PHASE II
 CITY OF MASCOUTAH
 ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION

DRAWN BY: NSA	SHEET
DESIGNED BY: WTD	3
CHECKED BY: SJK	OF 118 SHEETS
APPROVED BY:	PROJECT DESCRIPTION
PROJECT NUMBER: 20-010154	COUNTY ROAD REALIGNMENT
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

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IDOT JOB NO.	C-98-318-08	
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CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE																	
				-	-	-	-	-	-	-	-	-	-	-							
54011005	PRECAST CONCRETE BOX CULVERT 10' X 5'	FOOT	132																		
54011008	PRECAST CONCRETE BOX CULVERT 10' X 8'	FOOT	54																		
542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	60																		
542A1069	PIPE CULVERTS, CLASS A, TYPE 2 24"	FOOT	66																		
542A8203	PIPE CULVERTS, CLASS A, TYPE 2 EQUIVALENT ROUND-SIZE 18"	FOOT	102																		
54200637	PIPE CULVERTS, TYPE 1, CORRUGATED STEEL OR ALUMINUM CULVERT PIPE 12"	FOOT	150																		
54200640	PIPE CULVERTS, TYPE 1, CORRUGATED STEEL OR ALUMINUM CULVERT PIPE 15"	FOOT	123																		
54200649	PIPE CULVERTS, TYPE 1, CORRUGATED STEEL OR ALUMINUM CULVERT PIPE 24"	FOOT	66																		
54201477	PIPE CULVERTS, TYPE 2, CORRUGATED STEEL OR ALUMINUM CULVERT PIPE 12"	FOOT	55																		
54201480	PIPE CULVERTS, TYPE 2, CORRUGATED STEEL OR ALUMINUM CULVERT PIPE 15"	FOOT	94																		
54201483	PIPE CULVERTS, TYPE 2, CORRUGATED STEEL OR ALUMINUM CULVERT PIPE 18"	FOOT	45																		
54201489	PIPE CULVERTS, TYPE 2, CORRUGATED STEEL OR ALUMINUM CULVERT PIPE 24"	FOOT	38																		
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	2																		
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	3																		
54214503	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 18"	EACH	2																		
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	73																		
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	257																		
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3																		
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	2																		
60240328	INLETS, TYPE B, TYPE 24 FRAME AND GRATE	EACH	2																		
60255500	MANHOLES TO BE ADJUSTED	EACH	2																		
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	28.1																		
60602500	CONCRETE GUTTER, TYPE A	FOOT	517																		
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1,013																		
*63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	281.25																		
*63000025	STEEL PLATE BEAM GUARD RAIL, ATTACHED TO STRUCTURES	FOOT	112.50																		
*63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	4																		
*63200310	GUARDRAIL REMOVAL	FOOT	67																		
*63301210	REMOVE AND RE-ERECT STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	194																		
*63304385	TRAFFIC BARRIER TERMINAL REMOVAL, TYPE 1	EACH	1																		
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	9																		
67100100	MOBILIZATION	L SUM	1																		
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1																		
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1																		
70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1																		
70101835	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 22	L SUM	1																		
70103700	TRAFFIC CONTROL COMPLETE	L SUM	1																		
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	20																		
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	3,600																		

SUMMARY OF QUANTITIES
 COUNTY ROAD RECONSTRUCTION - PHASE II
 CITY OF MASCOUTAH
 ST. CLAIR COUNTY, ILLINOIS

REV	DATE	DESCRIPTION
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DESIGNED BY: _____	WTD	4
CHECKED BY: _____	SJK	OF 113 SHEETS
APPROVED BY: _____		PROJECT DESCRIPTION
PROJECT NUMBER: 20-010154		COUNTY ROAD REALIGNMENT
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<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING	

SUMMARY OF QUANTITIES

FAU ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO. C-98-318-08		
IDOT CONTRACT NO. 97345		

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waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
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PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

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CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE									
				-	-	-	-	-	-	-	-		
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	62.4										
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	18,780										
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	90										
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	219										
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	44										
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	7,289.0										
72000100	SIGN PANEL - TYPE 1	SQ FT	103.0										
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	216										
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	62.4										
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	18,780										
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	90										
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	219										
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	44										
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	95										
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	10										
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4										
78300100	PAVEMENT MARKING REMOVAL	SQ FT	270.0										
X0322118	REMOVE CONCRETE FLARED END SECTIONS	EACH	1										
X4020500	AGGREGATE SURFACE COURSE, TYPE B 6"	SQ YD	878										
* X6330104	REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL, FLARED	EACH	1										

NOTE: * INDICATES SPECIALTY ITEMS

SUMMARY OF QUANTITIES

COUNTY ROAD
RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
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PROJECT NUMBER: 20-010154	COUNTY ROAD REALIGNMENT
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FAH ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO.	C-98-318-08	
IDOT CONTRACT NO.	97345	

**THOUVENOT,
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MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

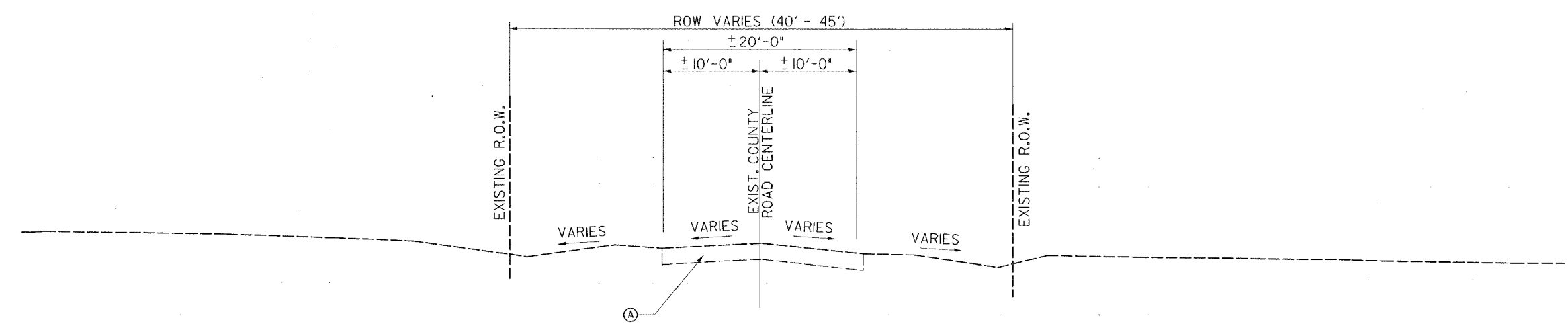
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LEGEND

- Ⓐ EXISTING OIL & CHIP PAVEMENT, VARIES



EXISTING TYPICAL SECTION

STA 54+22.78 TO STA 91+79.05 - TO BE REMOVED
 STA 91+79.05 TO STA 100+50.00 - REMAIN IN PLACE
 STA 100+50.00 TO STA 108+27.15 - TO BE REMOVED

TITLE
EXISTING TYPICAL SECTIONS

PROJECT:
COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
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△		

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APPROVED BY:		PROJECT DESCRIPTION
PROJECT NUMBER	20-010154	COUNTY ROAD REALIGNMENT

ISSUED FOR REVIEW ISSUED FOR BIDDING
 ISSUED FOR CONSTR. RECORD DRAWING

LEGEND

- (A) EXISTING OIL & CHIP PAVEMENT
- (B) PROPOSED HOT MIX ASPHALT SURFACE, MIX "D", N70, 2"
- (C) PROPOSED HOT MIX ASPHALT BINDER, I-19.0, N70, 8.25"
- (D) PROPOSED LIME MODIFIED SOILS, 12"
- (E) PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- (F) PROPOSED HOT MIX ASPHALT SHOULDERS, 8"
- (G) PROPOSED AGGREGATE SHOULDERS, TYPE B, 6"

FED. ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO. C-98-318-08		
IDOT CONTRACT NO. 97345		

THOUVENOT, WADE & MOERCHEN, INC.
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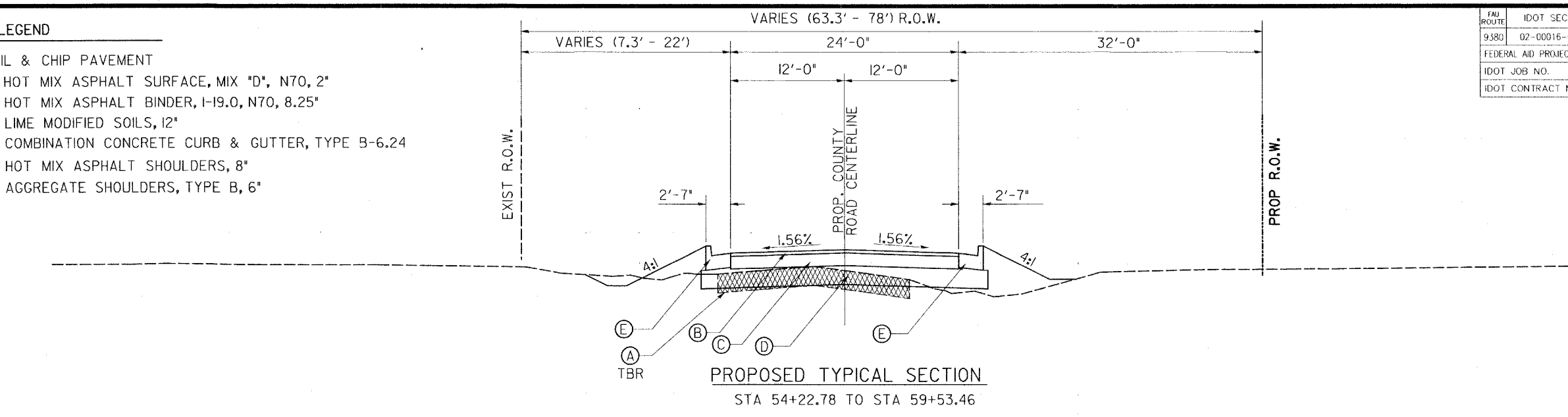
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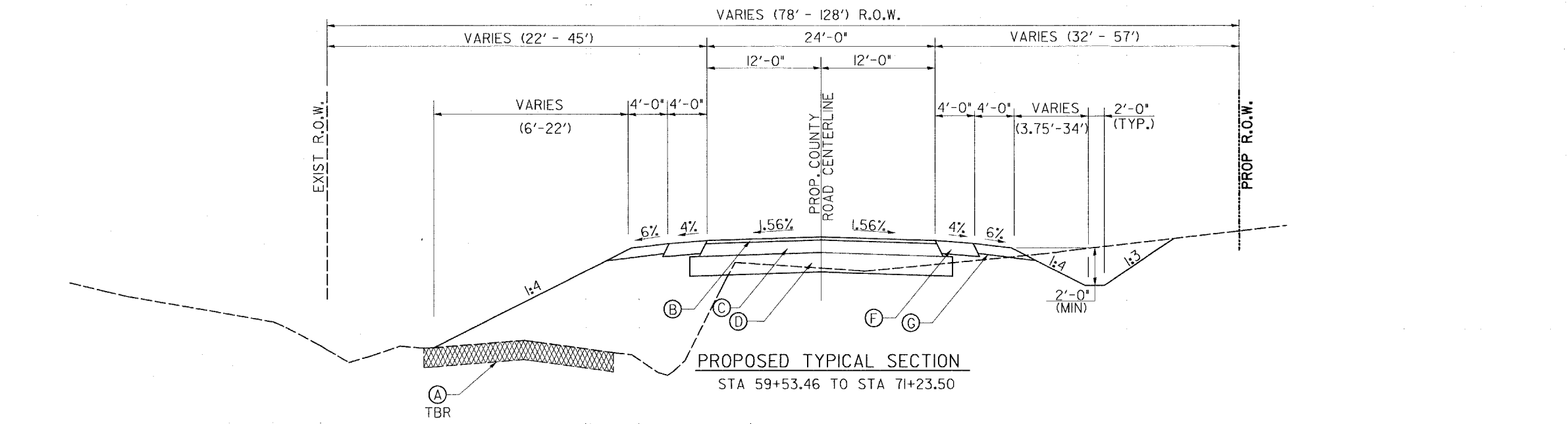
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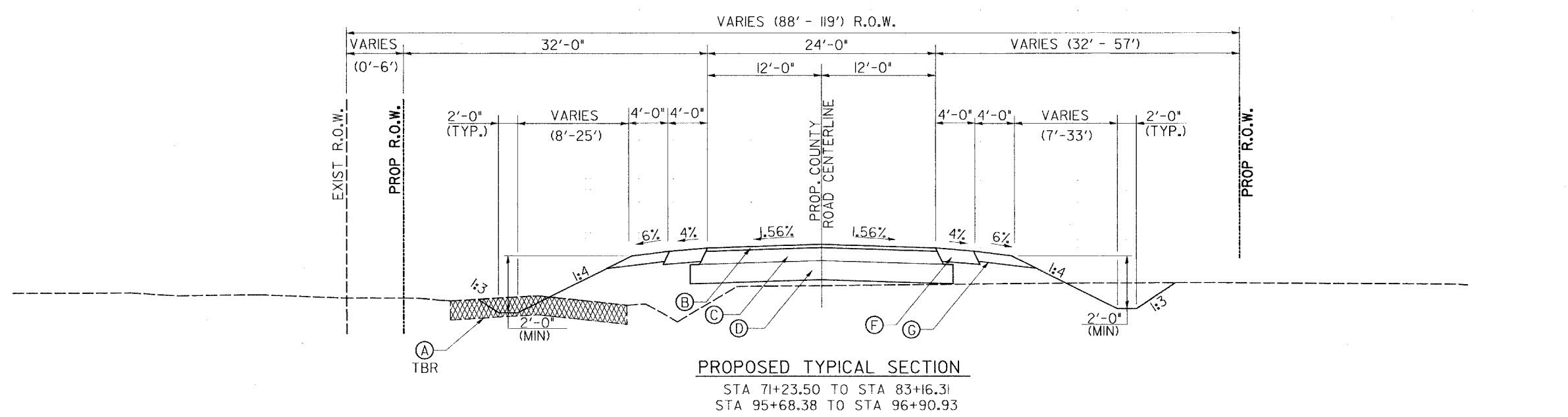
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PROPOSED TYPICAL SECTION
STA 54+22.78 TO STA 59+53.46



PROPOSED TYPICAL SECTION
STA 59+53.46 TO STA 71+23.50



PROPOSED TYPICAL SECTION
STA 71+23.50 TO STA 83+16.31
STA 95+68.38 TO STA 96+90.93

TITLE: PROPOSED BASE (HOT-MIX ASPHALT) TYPICAL SECTIONS

PROJECT: COUNTY ROAD RECONSTRUCTION - PHASE II CITY OF MASCOUTAH ST. CLAIR COUNTY, ILLINOIS

REV	DATE	DESCRIPTION
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APPROVED BY:		PROJECT DESCRIPTION
PROJECT NUMBER:	T20-010154	COUNTY ROAD REALIGNMENT
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<input type="checkbox"/> ISSUED FOR CONSTR.		<input type="checkbox"/> RECORD DRAWING

LEGEND

- (A) EXISTING OIL & CHIP PAVEMENT
- (B) PROPOSED HOT MIX ASPHALT SURFACE, MIX "D", N70, 2"
- (C) PROPOSED HOT MIX ASPHALT BINDER, I-19.0, N70, 8.25"
- (D) PROPOSED LIME MODIFIED SOILS, 12"
- (E) PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- (F) PROPOSED HOT MIX ASPHALT SHOULDERS, 8"
- (G) PROPOSED AGGREGATE SHOULDERS, TYPE B, 6"
- (H) PROPOSED CONCRETE GUTTER, TYPE A

FAU ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-318-08	
IDOT CONTRACT NO.	97345	

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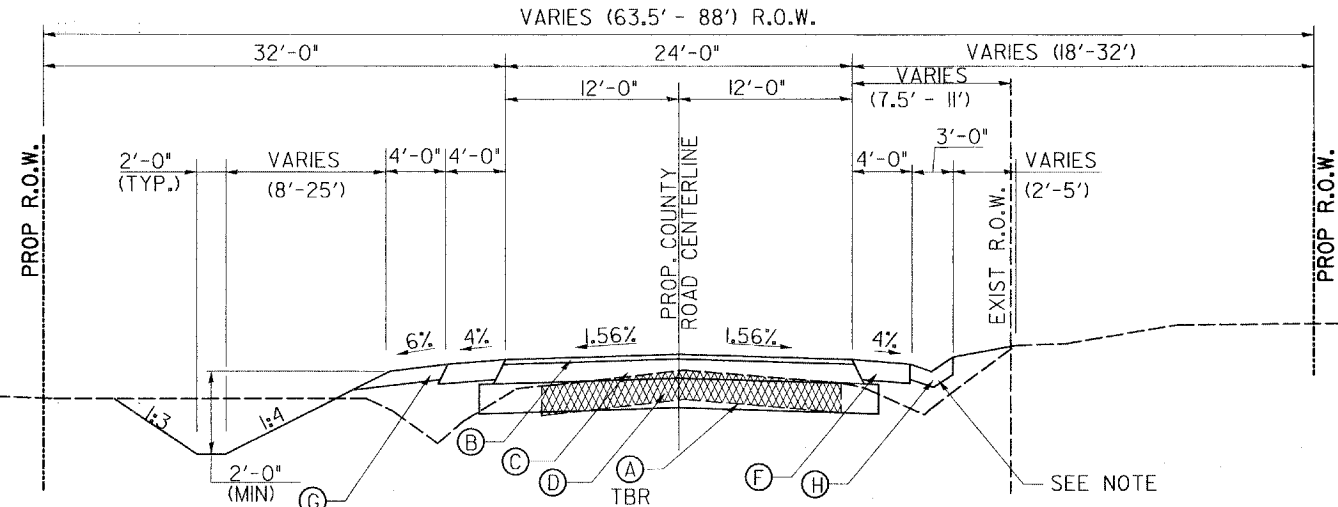
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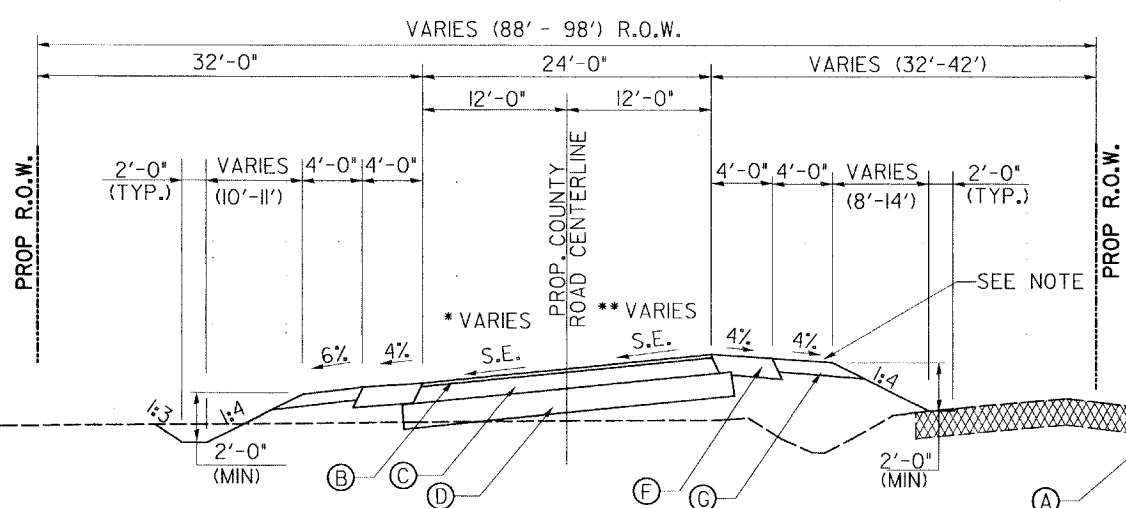
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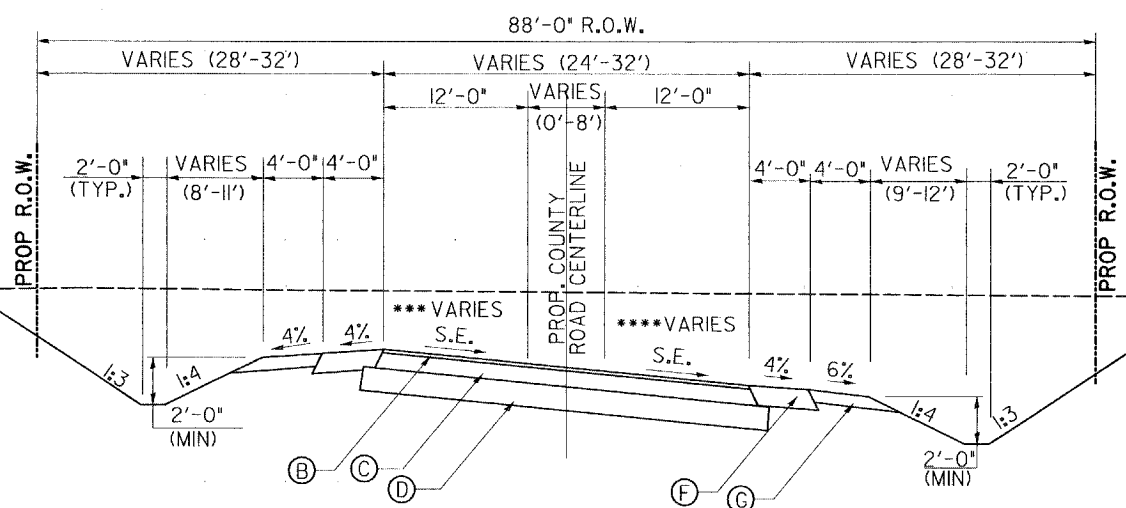
PROPOSED TYPICAL SECTION
STA 83+16.31 TO STA 87+28.62



PROPOSED TYPICAL SECTION
STA 87+28.62 TO STA 95+68.38

- * VARIES:
-1.56% TO -4.0% STA 88+33.92 TO STA 89+16.27
FULL S.E. (-4.0%) STA 89+16.27 TO STA 93+80.73
-4.0% TO -1.56% STA 93+80.73 TO STA 94+63.08
- ** VARIES:
-1.56% TO +4.0% STA 87+28.62 TO STA 89+16.27
FULL S.E. (+4.0%) STA 89+16.27 TO STA 93+80.73
+4.0% TO -1.56% STA 93+80.73 TO STA 95+68.38

NOTE:
TYPE A GUTTER RT
STA. 83+16.31 TO STA. 90+00.00



PROPOSED TYPICAL SECTION
STA 96+90.93 TO STA 105+12.57

- *** VARIES:
-1.56% TO +4.0% STA 96+90.93 TO STA 98+78.58
FULL S.E. (+4.0%) STA 98+78.58 TO STA 103+24.92
+4.0% TO -1.56% STA 103+24.92 TO STA 105+12.57
- **** VARIES:
-1.56% TO +4.0% STA 97+96.23 TO STA 98+78.58
FULL S.E. (+4.0%) STA 98+78.58 TO STA 103+24.92
+4.0% TO -1.56% STA 103+24.92 TO STA 104+07.27

PROPOSED BASE (HOT-MIX ASPHALT) TYPICAL SECTIONS

COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUATAH
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION

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LEGEND

- (A) EXISTING OIL & CHIP PAVEMENT
- (B) PROPOSED HOT MIX ASPHALT SURFACE, MIX "D", N70, 2"
- (C) PROPOSED HOT MIX ASPHALT BINDER, 1-19.0, N70, 8.25"
- (D) PROPOSED LIME MODIFIED SOILS, 12"
- (E) PROPOSED COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- (F) PROPOSED HOT MIX ASPHALT SHOULDERS, 8"
- (G) PROPOSED AGGREGATE SHOULDERS, TYPE B, 6"

HOT MIX ASPHALT - CONTROL TABLE				
MIXTURE USE	SURFACE	BINDER	INCIDENTAL SURFACE	SHOULDERS
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 58-22
RAP % (MAX)	10%	15%	10%	30%
DESIGN AIR VOIDS	4.0% @ Ndes = 70	4.0% @ Ndes = 70	4.0% @ Ndes = 70	2.0% @ Ndes = 30
MIX COMPOSITION (GRADATION MIXTURE)	IL 12.5	IL 19.0		
FRICITION AGG	MIXTURE D	MIXTURE B	MIXTURE D	HMA AGG. MIX

PLAN QUANTITIES FOR HOT-MIX ASPHALT SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 122 LB/SQ YD/IN

TAU ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-318-08	
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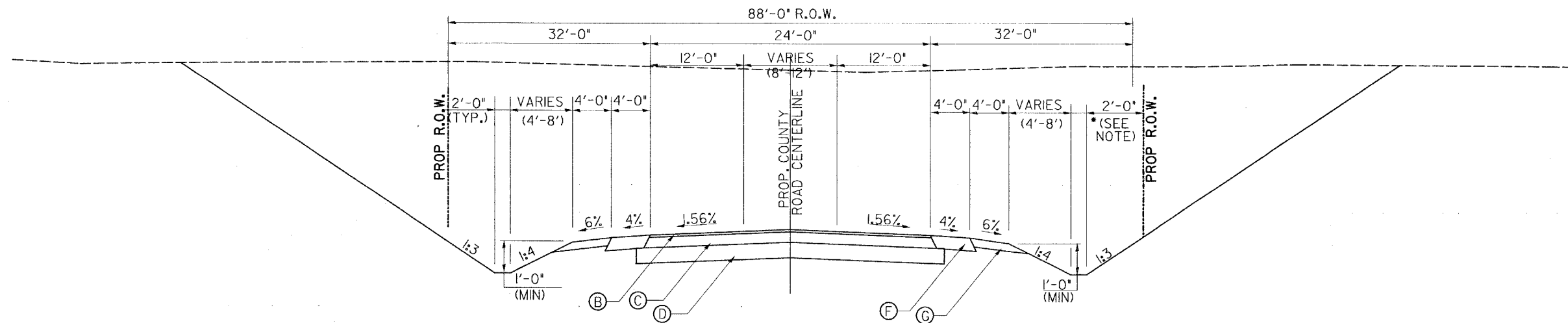


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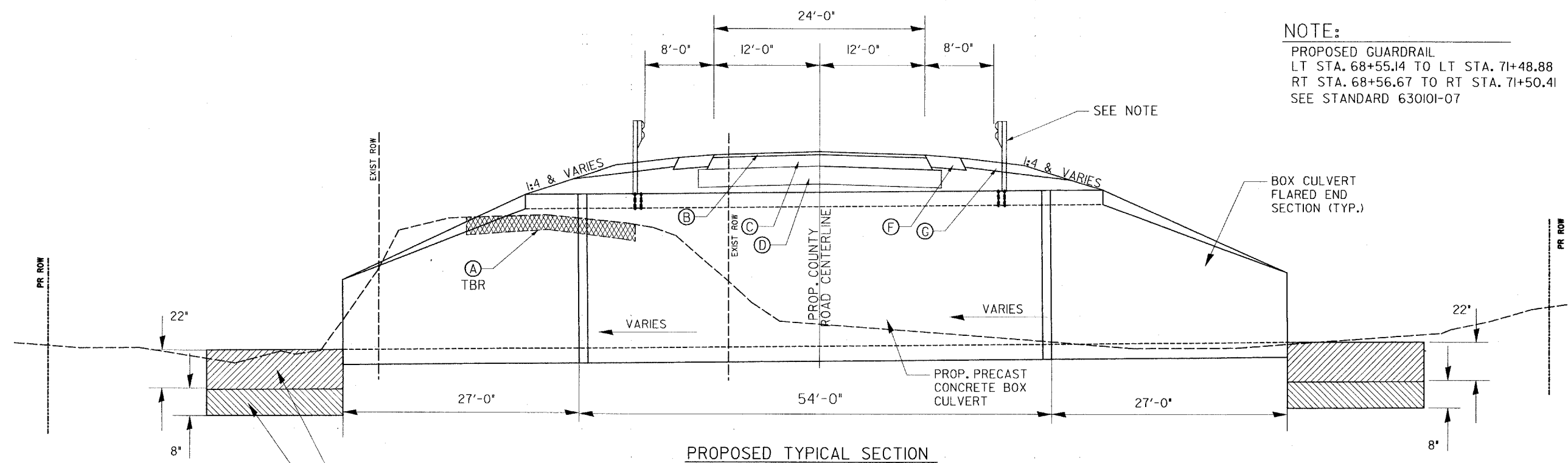
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PROPOSED TYPICAL SECTION
 STA 105+12.57 TO STA 109+04.39

* NOTE: STA. 105+50.00 LT/RT TO STA. 109+04.39 LT/RT
 DITCH WIDTH = 4'-0"



PROPOSED TYPICAL SECTION
 STA. 70+06.55

(SIMILAR STA. 69+88.47 & STA. 70+24.63)

NOTE:
 PROPOSED GUARDRAIL
 LT STA. 68+55.14 TO LT STA. 71+48.88
 RT STA. 68+56.67 TO RT STA. 71+50.41
 SEE STANDARD 630101-07

TITLE: PROPOSED BASE (HOT-MIX ASPHALT) TYPICAL SECTIONS

PROJECT: COUNTY ROAD RECONSTRUCTION - PHASE II CITY OF MASCOUTAH ST. CLAIR COUNTY, ILLINOIS

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APPROVED BY:		PROJECT DESCRIPTION
PROJECT NUMBER	720-010154	COUNTY ROAD ALIGNMENT
<input checked="" type="checkbox"/> ISSUED FOR REVIEW <input type="checkbox"/> ISSUED FOR BIDDING <input type="checkbox"/> ISSUED FOR CONSTR. <input type="checkbox"/> RECORD DRAWING		

FED. AID PROJECT	9380	IDOT SECTION	02-00016-01-PV	COUNTY	ST. CLAIR
IDOT JOB NO.	C-98-318-08				
IDOT CONTRACT NO.	97345				

THOUVENOT, WADE & MOERCHEN, INC.
ENGINEERS ♦ SURVEYORS ♦ PLANNERS



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PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-03570
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

Signature: _____
Signature Date: _____
Expiration Date: _____

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CURB & GUTTER SCHEDULE				
FROM LOCATION (STATION, DIRECTION)	TO LOCATION (STATION, DIRECTION)	COMBINATION CONCRETE CURB & GUTTER, T-B6.24 (FEET)	CONCRETE GUTTER, TYPE A (FEET)	CLASS SI CONCRETE (OUTLET) (CU YD)
COUNTY ROAD				
54+22.78 RT	59+29.46 RT	506.7		
54+22.78 LT	59+29.46 LT	506.7		
59+29.46 RT	59+78.96 RT			4.1
59+29.46 LT	59+73.46 LT			3.8
82+86.31 RT	83+52.31 RT			5.9
83+52.31 RT	86+80.78 RT		328.5	
87+03.28 C.E. RT				4.9
87+25.78 RT	87+67.51 RT		41.7	
87+88.01 C.E. RT				4.4
88+08.51 RT	89+15.20 RT		106.7	
89+37.70 C.E. RT				4.9
89+60.20 RT	90+00.00 RT		39.8	
SUB-TOTAL		1,013.4	516.7	28.1
TOTAL		1,013	517	28.1

DRAINAGE STRUCTURE SCHEDULE				
LOCATION (STATION, OFFSET)	INLET TYPE A TYPE-24 FRAME & GRATE (EACH)	INLET, TYPE B, TYPE-24 FRAME & GRATE (EACH)	MANHOLE TYPE A, 5' DIA. TYPE-1 FRAME (CLOSE LID) (EACH)	MANHOLES TO BE ADJUSTED (EACH)
COUNTY ROAD				
55+92.46	13.00 LT	1		
55+92.46	13.00 RT			
55+92.46	26.35 RT		1*	
56+50.32	25.00 RT			1
57+53.65	13.00 LT	1		
57+53.65	13.00 RT			
57+53.65	21.04 RT		1*	
59+01.99	12.73 RT			1
63+50.48	13.98 LT			
SUB-TOTAL		2	2	2
TOTAL		2	2	2

* DENOTES FLAT SLAB TOP REQUIRED

SIGN PANELS				
LOCATION (STATION, OFFSET)	SIGN NUMBER OR MESSAGE	SIGN PANEL, TYPE 1 (SQ FT)	TELESCOPING STEEL SIGN SUPPORT (FOOT)	
COUNTY ROAD				
56+00.00	19.0 RT	R2-1	5.0	12.5
73+00.00	22.0 LT	W14-3	8.9	15.0
75+00.00	22.0 RT	W14-3	8.9	15.0
81+00.00	22.0 RT	R2-1	5.0	14.5
81+00.00	22.0 LT	R2-1	5.0	14.5
91+98.68	27.75 RT	R1-1	6.3	14.5
106+00.00	22.00 LT	R2-1	5.0	14.5
107+58.70	28.0 RT	R3-I100	4.0	14.0
108+62.41	35.0 RT	R1-1	6.3	16.0
108+62.41	35.0 RT	R1-I100	3.8	12.5
(Ex.Cty Rd.) 100+50	RT	Red Object Marker	2.3	15.0
(Ex.Cty Rd.) 100+50	CL	Red Object Marker	7.5	12.5
(Ex.Cty Rd.) 100+50	CL	R11-I100	2.3	12.5
(Ex.Cty Rd.) 100+50	LT	Red Object Marker	2.3	12.5
(IL 161)522+50	20.0 RT	W2-2R	9.0	17.0
(IL 161)522+50	20.0 RT	W17-I101	2.1	14.0
(IL 161)525+86	20.0 RT	W1-7	8.0	14.0
(IL 161)528+50	20.0 RT	W2-2L	9.0	14.0
(IL 161)528+50	20.0 RT	W17-I101	2.1	14.0
SUB-TOTAL			102.8	215.5
TOTAL			103	216

TREE REMOVAL		
FROM LOCATION (STATION, OFFSET)	TREE REMOVAL (6-15 UNIT DIAMETER) (UNIT DIA.)	TREE REMOVAL (OVER 15 UNIT DIAMETER) (UNIT DIA.)
COUNTY ROAD		
64+63.37	10.59 LT	13.0
64+79.15	10.22 LT	15.0
64+79.15	10.22 LT	15.5
65+30.74	8.34 LT	23.0
65+41.34	11.54 LT	12.0
65+99.34	9.93 LT	23.0
79+52.00	0.27 LT	9.0
79+52.00	0.27 LT	8.0
79+62.50	2.81 LT	9.0
79+74.50	4.44 LT	10.0
79+74.50	4.44 LT	6.0
79+98.50	4.62 LT	8.0
80+14.50	1.52 LT	7.0
80+14.50	1.52 LT	7.0
80+15.00	1.51 LT	8.0
80+15.00	1.51 LT	6.0
80+96.00	1.46 RT	9.0
80+96.00	1.46 RT	11.0
81+10.50	3.79 RT	7.0
SUB-TOTAL		145.0
TOTAL		145

R.O.W. MARKERS SCHEDULE		
LOCATION (STATION, OFFSET)	FURNISH & ERECT R.O.W. MARKERS (EACH)	
ILL. RTE 161		
521+93.43	50.00' RT	1
521+93.43	65.00' RT	1
522+60.03	65.00' RT	1
524+90.49	65.00' RT	1
525+34.21	119.52' RT	1
526+23.14	119.95' RT	1
526+67.27	65.00' RT	1
527+20.93	65.00' RT	1
527+20.93	50.00' RT	1
SUB-TOTAL		9
TOTAL		9

GUARDRAIL SCHEDULE										
FROM LOCATION (STATION)	TO LOCATION (STATION)	REM. & RE-ERECT SPBGR- TYPE A (FOOT)	REM. & RE-ERECT TRAF. BARRIER TERM., TYPE 1 SPECIAL, FLARED (EACH)	STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES (FOOT)	STEEL PLATE BEAM GUARDRAIL, TYPE A (FOOT)	TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT) (EACH)	GUARDRAIL REMOVAL (FOOT)	TRAFFIC BARRIER TERMINAL REMOVAL, TYPE 1 (EACH)	GUARDRAIL MARKERS, TYPE A (EACH)	TERMINAL MARKER - DIRECT APPLIED (EACH)
COUNTY ROAD										
68+55.14	LT	71+48.88	LT						5	
68+56.67	RT	71+50.41	RT						5	
68+55.14	LT	69+05.14	LT			1				1
68+56.67	RT	69+06.67	RT			1				1
69+06.67	RT	71+00.41	RT	56.25	137.50					
69+05.14	LT	70+98.88	LT	56.25	137.50					
70+98.88	LT	71+48.88	LT			1				1
71+00.41	RT	71+50.41	RT			1				1
(IL 161)527+22.20	RT	(IL 161)527+79.42	RT							
(IL 161)527+79.42	RT	(IL 161)529+79.76	RT	194.1			6.25			
(IL 161)528+11.33	RT	(IL 161)528+36.61	RT						1	
(IL 161)529+20.46	RT	(IL 161)529+79.76	RT					67.1		
SUB-TOTAL				194.1		4	67.1	1	10	4
TOTAL				194		4	67	1	10	4

EARTHWORK AND PAVING SCHEDULES
COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: NSA
 DESIGNED BY: NAC
 CHECKED BY: SJK
 APPROVED BY: _____
 PROJECT NUMBER: 20-010154
 SHEET **10** OF 113 SHEETS
 PROJECT DESCRIPTION: COUNTY ROAD REALIGNMENT
 ISSUED FOR REVIEW ISSUED FOR BIDDING
 ISSUED FOR CONSTR. RECORD DRAWING

FAU ROUTE	IDOT SECTION	COUNTY
9380	02-00015-01-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO.		C-98-318-08
IDOT CONTRACT NO.		97345

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PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
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Signature: _____
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ENTRANCE SCHEDULE										
LOCATION (STATION, DIRECTION)	ENTRANCE TYPE	DRIVEWAY PAVEMENT REMOVAL (SQ YD)	INCIDENTAL HOT-MIX ASPHALT SURFACING (TON)	BITUMINOUS MATERIALS (PRIME COAT) (TON)	AGGREGATE (PRIME COAT) (TON)	AGGREGATE BASE COURSE, TYPE B, 8" (SQ YD)	PCC DRIVEWAY PVT- 6" (SQ YD)	PCC DRIVEWAY PVT- 8" (SQ YD)	AGGREGATE SURFACE COURSE, TYPE B, 6" (SQ YD)	
COUNTY ROAD										
57+16.72	LT	P.E.							23.0	
63+65.80	LT	P.E.	33.5				81.6			
64+74.35	LT	P.E.							59.9	
65+93.55	LT	P.E.							83.0	
67+10.94	LT	P.E.							80.4	
71+59.43	LT	P.E.							66.4	
72+65.92	LT	P.E.							61.1	
73+59.06	LT	P.E.							104.7	
74+53.41	LT	P.E.							63.8	
75+64.01	LT	P.E.							89.6	
76+48.67	LT	P.E.	24.2				65.4			
77+11.86	LT	P.E.							45.5	
77+63.49	LT	P.E.							59.8	
79+37.56	LT	P.E.							50.8	
80+01.30	LT	P.E.							89.7	
87+03.28	RT	C.E.						48.9		
87+88.01	RT	C.E.						119.3		
89+38.80	RT	C.E.						57.2		
91+51.35	RT	S.R.								
SUB-TOTAL			57.6	58.0	0.5	0.9	345.0	147.0	225.4	877.7
TOTAL			58	58	0.5	0.9	345	147	225	878

TEMPORARY EROSION CONTROL & SEEDING SCHEDULE															
FROM LOCATION (STATION, DIRECTION)	TO LOCATION (STATION, DIRECTION)	TEMPORARY EROSION CONTROL				PERMANENT EROSION CONTROL									
		TEMPORARY EROSION CONTROL SEEDING (2 APPL.) (LBS)	PERIMETER EROSION BARRIER (FOOT)	TEMPORARY DITCH CHECKS (EACH)	INLET & PIPE PROTECTION (EACH)	SEEDING, CLASS 2 (ACRES)	NITROGEN FERTILIZER NUTRIENT (LBS)	PHOSPHORUS FERTILIZER NUTRIENT (LBS)	POTASSIUM FERTILIZER NUTRIENT (LBS)	MULCH, METHOD 2 (ACRES)	STONE RIPRAP, CLASS A4 (SQ YD)	STONE RIPRAP, CLASS A5 (SQ YD)	FILTER FABRIC (SQ YD)		
COUNTY ROAD															
54+50.00	LT & RT	108+74.44	LT & RT	1,072.0											
55+92.46	LT & RT	66+64.00	LT & RT		12	11									
57+40.00	LT										7.8		7.8		
59+85.00	LT										7.8		7.8		
59+85.00	RT										7.8		7.8		
63+95.00	LT										20.0		20.0		
65+00.00	LT										11.3		11.3		
66+15.00	LT										9.2		9.2		
67+07.00	LT & RT	73+91.60	LT & RT		15	5									
67+45.00	LT										11.3		11.3		
69+88.47	LT										33.3		33.3		
70+06.55	RT											55.6	55.6		
70+06.55	LT											55.6	55.6		
70+24.63	LT										32.2		32.2		
71+35.00	LT										5.5		5.5		
72+45.00	LT										7.7		7.7		
73+25.00	RT										15.9		15.9		
74+20.00	LT										7.8		7.8		
74+31.00	LT & RT	83+20.88	LT & RT		14	7									
75+40.00	LT										7.8		7.8		
76+25.00	LT										7.8		7.8		
76+95.00	LT										7.8		7.8		
79+60.00	LT										7.8		7.8		
81+55.00	LT										27.2		27.2		
82+80.00	RT										7.8		7.8		
84+31.82	LT & RT	90+34.04	LT & RT		4	1									
89+65.00	LT										20.0		20.0		
91+25.00	RT										7.8		7.8		
91+75.00	LT & RT	108+74.00	LT & RT		19	2									
108+75.00	LT										16.7		16.7		
EX.CO.LN.RD. 100+50	LT & RT	EX.CO.LN.RD. 108+26.06	LT & RT	182.0							0.8		0.8		
EX.CO.RD. 100+49.59	RT	EX.CO.RD. 107+78.79	RT		788.0										
(IL 161)522+00	RT					1									
(IL 161)524+00	RT					1									
(IL 161)526+95	RT					1									
SUB-TOTAL				1,254.0	788.0	67	26	5.5	495.0	495.0	495.0	5.5	287.9	111.2	399.1
TOTAL				1,254	788	67	26	5.5	495	495	495	5.5	288	111	399

PAVEMENT MARKING SCHEDULE
 COUNTY ROAD
 RECONSTRUCTION - PHASE II
 CITY OF MASCOUTAH
 ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: NSA	SHEET
DESIGNED BY: NAG	11
CHECKED BY: SJK	OF 113 SHEETS
APPROVED BY:	PROJECT DESCRIPTION
PROJECT NUMBER: 120-010154	COUNTY ROAD REALIGNMENT
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

FBI ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO.	C-98-318-08	
IDOT CONTRACT NO.	97345	

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DRAINAGE PIPE & STORM SEWER SCHEDULE														
FROM LOCATION (STATION, OFFSET)	TO LOCATION (STATION, OFFSET)	TYPE	12" STORM SEWER (FEET)	24" STORM SEWER (FEET)	PIPE CULV., TYPE 1, CORR.STL. OR ALUM. CULV. PIPE - 12" (FEET)	PIPE CULV., TYPE 2, CORR.STL. OR ALUM. CULV. PIPE - 12" (FEET)	PIPE CULV., TYPE 1, CORR.STL. OR ALUM. CULV. PIPE - 15" (FEET)	PIPE CULV., TYPE 2, CORR.STL. OR ALUM. CULV. PIPE - 15" (FEET)	PIPE CULV., TYPE 1, CORR.STL. OR ALUM. CULV. PIPE - 18" (FEET)	PIPE CULV., TYPE 2, CORR.STL. OR ALUM. CULV. PIPE - 24" (FEET)	PIPE CULV., TYPE 1, CORR.STL. OR ALUM. CULV. PIPE - 24" (FEET)	PIPE CULV., CLASS A, TYPE 1 18" (FEET)	PIPE CULV., CLASS A, TYPE 2 EO ROUND-SIZED 18" (FEET)	PIPE CULV., CLASS A, TYPE 2 24" (FEET)
COUNTY ROAD														
55+92.46	13.00 RT	55+92.46 13.00 LT												
55+92.46	13.00 RT	55+92.46 26.35 RT												
57+16.72	LT					28.0								
57+53.65	13.00 RT	57+53.65 13.00 LT												
57+53.65	13.00 RT	57+53.65 21.04 RT												
61+55.26	4.91 LT	63+50.48 13.98 LT												
63+50.48	13.98 LT	64+01.19 41.50 LT												
63+65.80	LT									44.0				
63+66.05	46.53 LT													
64+74.35	LT													
65+93.99	LT										31.0			
67+10.94	LT										35.0			
69+88.47	33.00 LT	69+88.47 33.00 RT										38.0		
70+06.55	27.00 LT	70+24.55 27.00 RT												
70+16.10	X-CULV.													
70+24.63	33.00 LT	70+24.63 33.00 RT												
71+59.43	LT							28.0						
72+65.92	LT							32.0						
73+59.06	RT									45.0				
74+53.41	LT													
75+64.01	LT					38.0				50.0				
76+48.67	LT					30.0								
77+11.00	LT					28.0								
79+37.56	LT					26.0								
81+49.43	33.00 RT	81+49.43 33.00 LT												66.0
82+01.30	LT						55.0							
89+91.92	LT/ RT	X - CULV.										60.0		
91+51.35	RT							63.0						
108+74.44	LT/ RT	X - CULV.												102.0
SUB-TOTAL			73.4	256.5	150.0	55.0	123.0	94.0	45.0	66.0	38.0	60.0	102.0	66.0
TOTAL			73	257	150	55	123	94	45	66	38	60	102	66

DRAINAGE PIPE & STORM SEWER SCHEDULE (CONT'D)														
FROM LOCATION (STATION, OFFSET)	TO LOCATION (STATION, OFFSET)	TYPE	PRECAST CONC. BOX CULVERT 10' X 5' (FOOT)	PRECAST CONC. BOX CULVERT 10' X 8' (FOOT)	PRECAST REINF. CONC. FLARED END SECTION 18" (EACH)	PRECAST REINF. CONC. FLARED END SECTION 24" (EACH)	PRECAST REINF. CONC. FLARED END SECTION EQ. ROUND SIZED 18" (EACH)	BOX CULVERT END SECTION, CULVERT NO. 1 (EACH)	BOX CULVERT END SECTION, CULVERT NO. 2 (EACH)	PIPE CULVERT REMOVAL (FEET)	PIPE CULVERT REMOVAL (SPEC.) (FEET)	REMOVAL OF CONCRETE FLARED END SECTION (EACH)	TRENCH BACKFILL (CU YD)	
COUNTY ROAD														
55+92.46	13.00 RT	55+92.46 13.00 LT											6.5	
55+92.46	13.00 RT	55+92.46 26.35 RT											1.5	
57+16.72	LT													
57+53.65	13.00 RT	57+53.65 13.00 LT											6.5	
57+53.65	13.00 RT	57+53.65 21.04 RT											1.5	
61+55.26	4.91 LT	63+50.48 13.98 LT										1	146.5	
63+50.48	13.98 LT	64+01.19 41.50 LT					1						17.8	
63+65.80	LT													
63+66.05	46.53 LT													
64+74.35	LT										20.0			
65+93.99	LT													
67+10.94	LT										20.0			
69+88.47	33.00 LT	69+88.47 33.00 RT	66.0					2						
70+06.55	27.00 LT	70+24.55 27.00 RT		54.0					2					
70+16.10	X-CULV.										46.0			
70+24.63	33.00 LT	70+24.63 33.00 RT	66.0					2						
71+59.43	LT													
72+65.92	LT													
73+59.06	RT													
74+53.41	LT													
75+64.01	LT													
76+48.67	LT													
77+11.00	LT													
79+37.56	LT													
81+49.43	33.00 RT	81+49.43 33.00 LT						2					34.0	
82+01.30	LT													
89+91.92	LT/ RT	X - CULV.					2						7.7	
91+51.35	RT													
108+74.44	LT/ RT	X - CULV.											16.2	
SUB-TOTAL			132.0	54.0	2	3	2	4	2	40.0	46.0	1	238.1	
TOTAL			132	54	2	3	2	4	2	40	46	1	238	

ENTRANCE AND EROSION CONTROL SCHEDULES
 COUNTY ROAD RECONSTRUCTION - PHASE II
 CITY OF MASCOUTAH
 ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: NSA	SHEET
DESIGNED BY: NAG	12
CHECKED BY: SJK	OF 113 SHEETS
APPROVED BY: _____	PROJECT DESCRIPTION
PROJECT NUMBER: 120-010154	COUNTY ROAD REALIGNMENT
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

FNU ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO.	C-98-318-08	
IDOT CONTRACT NO.	97345	

THOUVENOT, WADE & MOERCHEN, INC.
ENGINEERS ♦ SURVEYORS ♦ PLANNERS



- CORPORATE OFFICE**
4940 OLD COLLINSVILLE RD.
SWANSEA, ILLINOIS 62226
TEL (618) 624-4488
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- EDWARDSVILLE OFFICE**
1015B CENTURY DRIVE
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TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
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TEL (314) 236-5052
FAX (314) 872-2194
stlouis@twm-inc.com
- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000345

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Signature: _____
Signature Date: _____
Expiration Date: _____

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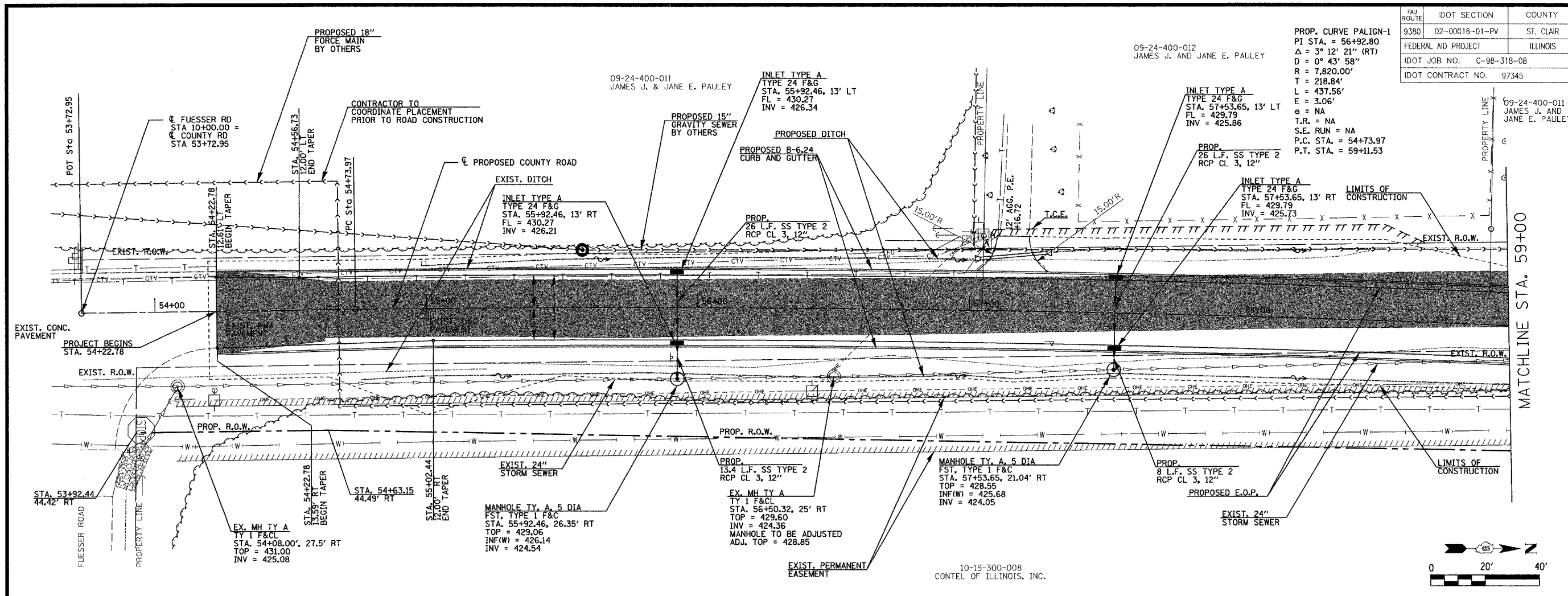
EARTHWORK SCHEDULE - HMA					
FROM LOCATION (STATION)	TO LOCATION (STATION)	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE(+), SHORTAGE (-) (CU YD)
COUNTY ROAD					
54+50.00 LT & RT (IL 161)522+00	108+74.44 LT & RT (IL 161)527+50	27,030	20,273	20,080	193
		837	628	15	613
		SUB-TOTAL	27,867	20,900	805
		TOTAL	27,867	20,900	805

PAVING SCHEDULE - HMA												
FROM LOCATION (STATION, DIRECTION)		TO LOCATION (STATION, DIRECTION)		HOT-MIX ASPHALT BINDER COURSE, 1-19.0,N 70 (TON)	HOT-MIX ASPHALT SURFACE COURSE, MIX "D",N70 (TON)	PROCESS LIME MODIFIED SOIL 12" (SQ. YD.)	LIME (TON)	HOT-MIX ASPHALT SHOULDER 8" (SQ. YD.)	AGGREGATE SHOULDERS, TYPE B-6" (SQ. YD.)	PAVEMENT REMOVAL (SQ. YD.)	PAVED SHOULDER REMOVAL (SQ. YD.)	BITUMINOUS MATERIALS (PRIME COAT) (TONS)
COUNTY ROAD												
54+22.78	RT	55+02.44	RT	52.3	12.7	140.5	2.7					0.04
54+22.78	LT	54+56.73	LT	21.5	5.2	58.0	1.1					0.01
54+22.78	CL	54+63.06	CL							119.4		
55+02.44	RT	59+53.46	RT	227.8	67.4	755.7	14.6					0.19
54+56.73	LT	59+53.46	LT	306.0	74.2	832.3	16.0					0.21
59+53.46	RT	71+23.50	RT	720.7	174.7	1,690.1	32.6	520.0	520.0			0.49
59+53.46	LT	71+23.50	LT	720.7	174.7	1,690.1	32.6	520.0	498.7			0.49
71+23.50	RT	83+16.31	RT	734.8	178.1	1,722.9	33.2	530.1	581.9			0.50
71+23.50	LT	83+16.31	LT	734.8	178.1	1,722.9	33.2	530.1	418.4			0.50
83+16.31	RT	87+28.62	RT	254.0	61.6	595.6	11.5	183.3	183.3			0.17
83+16.31	LT	87+28.62	LT	254.0	61.6	595.6	11.5	183.3	183.3			0.17
87+28.62	RT	95+68.38	RT	517.3	125.4	1,213.0	23.4	373.2	373.2			0.35
87+28.62	LT	95+68.38	LT	517.3	125.4	1,213.0	23.4	373.2	373.2			0.35
95+68.38	RT	96+90.93	RT	75.5	18.3	177.0	3.4	54.5	54.5			0.05
95+68.38	LT	96+90.93	LT	75.5	18.3	177.0	3.4	54.5	54.5			0.05
96+90.93	RT	103+32.57	RT	395.3	95.8	926.8	17.9	285.2	285.2			0.27
96+90.93	LT	103+32.57	LT	395.3	95.8	926.8	17.9	285.2	285.2			0.27
103+32.57	RT	108+35.28	RT					223.4	223.4			
103+32.57	LT/RT	109+04.39	LT/RT	1,185.1	287.3	2,715.1	52.3					0.80
108+35.28	RT	109+01.39	RT					108.2	8.8			
103+32.57	LT	107+15.43	LT					170.2				
103+32.57	LT	107+90.00	LT						203.3			
107+15.43	LT	109+01.39	LT					98.1				
524+52.82 (IL 161)	RT	527+76.31 (IL 161)	RT								107.8	
		SUB-TOTAL		7,187.7	1,754.6	17,152.3	330.4	4,492.5	3,927.3	119.4	107.8	4.9
		TOTAL		7,188	1,755	17,152	330	4,493	3,927	119	108	5

DRAINAGE PIPE SCHEDULE
COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: NSA	SHEET
DESIGNED BY: NAG	13
CHECKED BY: SJK	OF 113 SHEETS
APPROVED BY: _____	PROJECT DESCRIPTION
PROJECT NUMBER: 20-010154	COUNTY ROAD REALIGNMENT
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



FAU ROUTE	IDOT SECTION	COUNTY
9380	02-00018-01-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-318-08	
IDOT CONTRACT NO.	97345	

09-24-400-012
JAMES J. AND JANE E. PAULEY

09-24-400-011
JAMES J. & JANE E. PAULEY

PROP. CURVE PALIGN-1
PI STA. = 56+92.80
 $\Delta = 3^\circ 12' 21''$ (RT)
D = 0° 43' 58"
R = 7,820.00'
T = 218.84'
L = 437.56'
E = 3.06'
 $\theta = NA$
T.R. = NA
S.E. RUN = NA
P.C. STA. = 54+73.97
P.T. STA. = 59+11.53

09-24-400-011
JAMES J. AND JANE E. PAULEY

THOUVENOT, WADE & MOERCHEN, INC.
ENGINEERS ♦ SURVEYORS ♦ PLANNERS

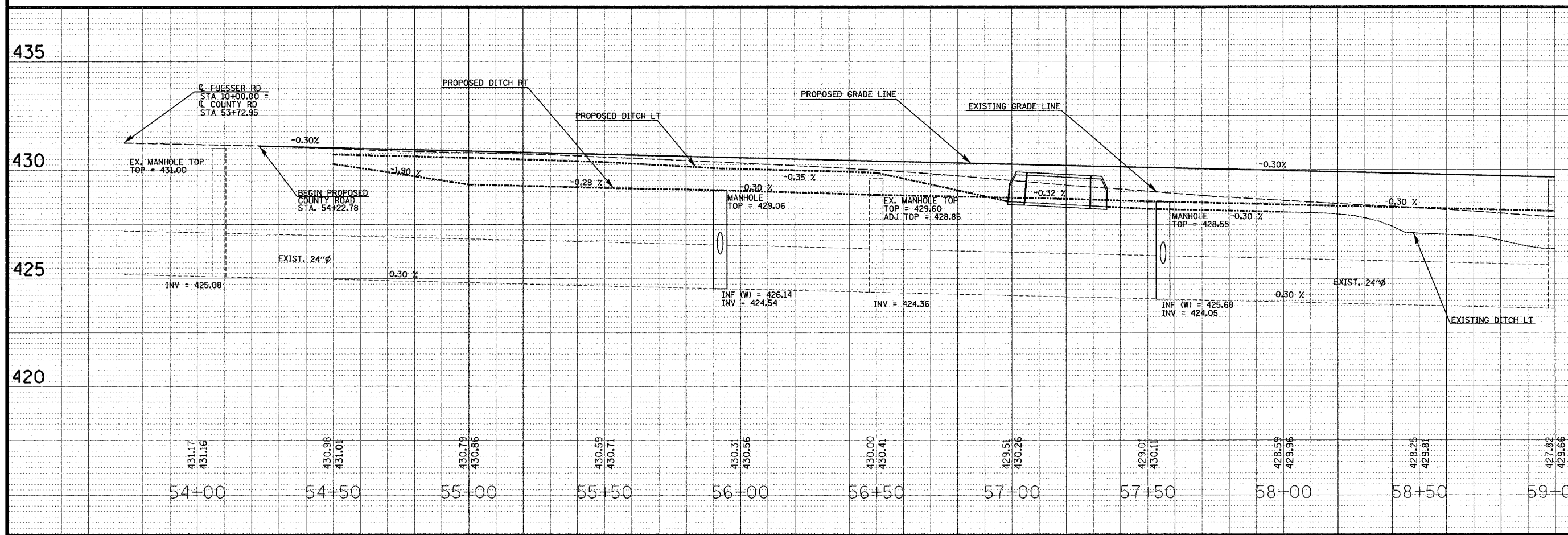


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waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001270
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001538
MISSOURI LAND SURVEYING CORP.	NC 000346

Signature: _____ Date: _____
Expiration Date: _____

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TITLE: COUNTY ROAD ROADWAY PLAN/PROFILES STA 54+22.78 TO 59+00

PROJECT: COUNTY ROAD RECONSTRUCTION - PHASE II CITY OF MASCOUTAH ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION

DRAWN BY: _____	MLS	SHEET
DESIGNED BY: _____	MLS	15
CHECKED BY: _____	SJK	OF 113 SHEETS
APPROVED BY: _____		PROJECT DESCRIPTION
PROJECT NUMBER: 20-010154		COUNTY ROAD REALIGNMENT
<input type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING	
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWINGS	

09-24-400-011
JAMES J. AND JANE E. PAULEY

PROPOSED 15"
GRAVITY SEWER
BY OTHERS

PROP. CURVE PALIGN-2
PI STA. = 62+85.61
 $\Delta = 3^\circ 17' 05''$ (LT)
 $D = 0^\circ 43' 58''$
 $R = 7,820.00'$
 $T = 224.21'$
 $L = 448.31'$
 $E = 3.21'$
 $\theta = NA$
 $T.R. = NA$
 $S.E. RUN = NA$
 $P.C. STA. = 60+61.39$
 $P.T. STA. = 65+09.70$

09-24-400-016
JAMES MILLER

FAU ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT		
IDOT JOB NO.	ILLINOIS	
C-98-318-08		
IDOT CONTRACT NO.	97345	

09-24-400-015
DANIEL BRAYMER

THOUVENOT, WADE & MOERCHEN, INC.
ENGINEERS • SURVEYORS • PLANNERS



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EDWARDSVILLE, ILLINOIS 62025
TEL (618) 656-4040
FAX (618) 656-4343
edwardsville@twn-inc.com

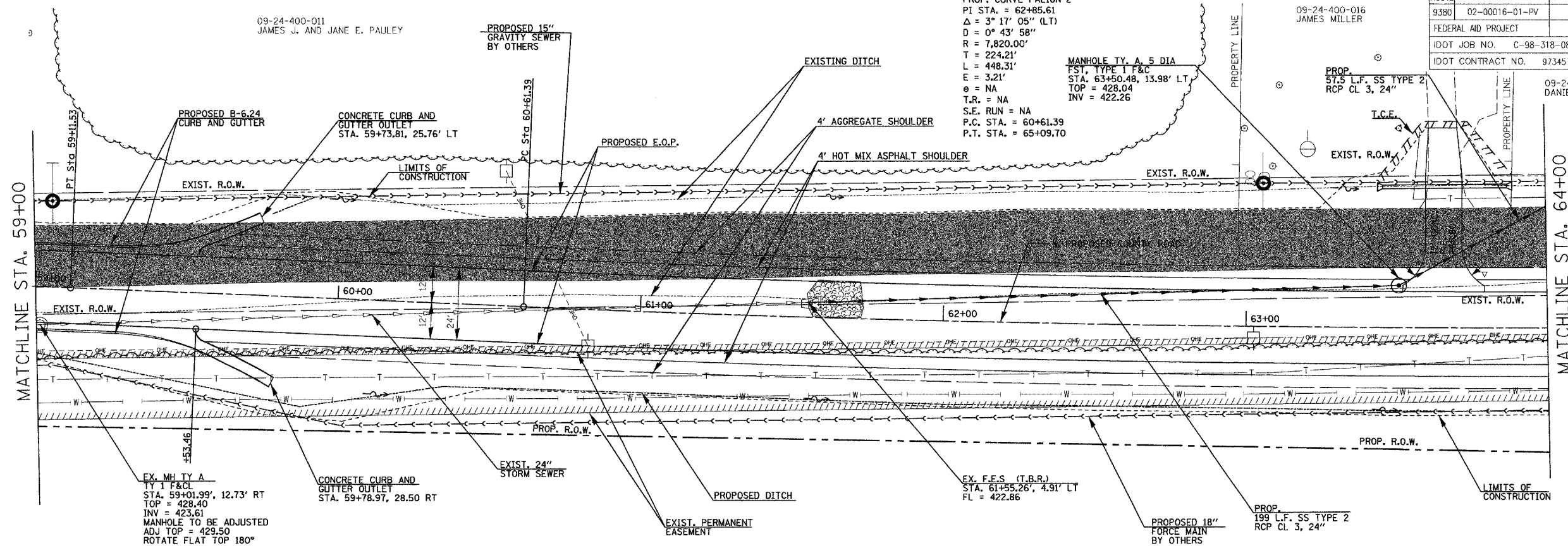
ST. LOUIS OFFICE
1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
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FAX (314) 872-2194
stlouis@twn-inc.com

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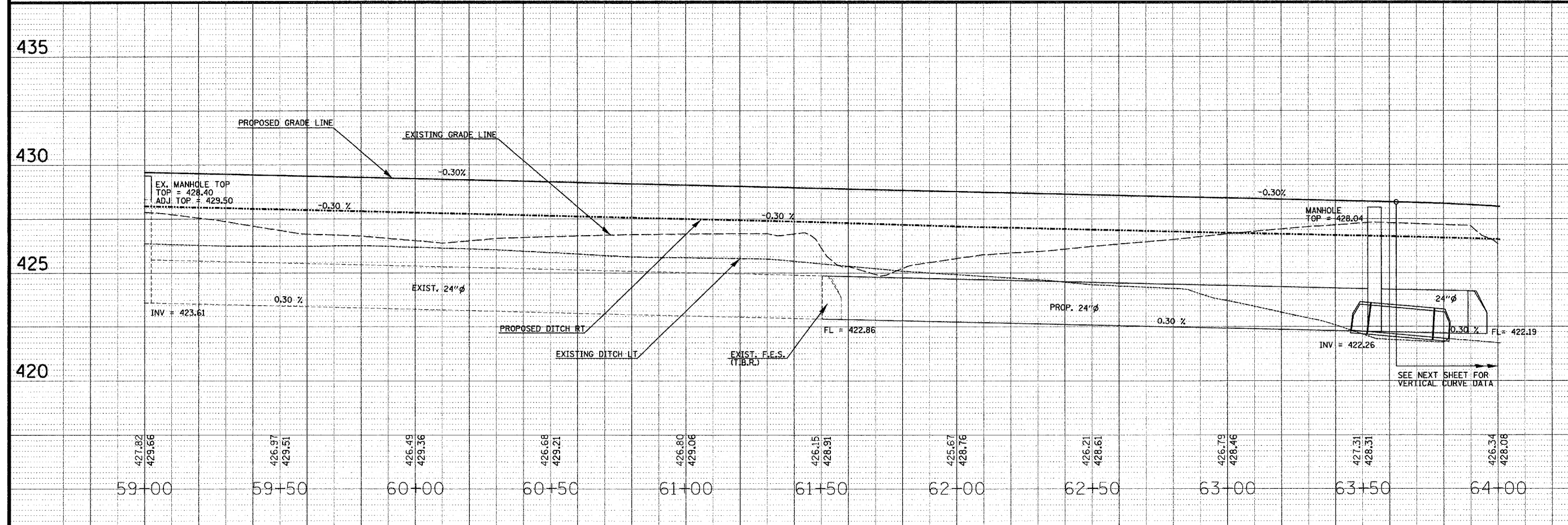
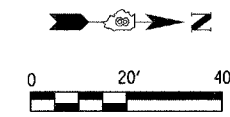
PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-003370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

Signature: _____
Signature Date: _____
Expiration Date: _____

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10-19-300-008
CONTEL OF ILLINOIS, INC.



TITLE: COUNTY ROAD ROADWAY PLAN/PROFILES STA 59+00 TO 64+00

PROJECT: COUNTY ROAD RECONSTRUCTION - PHASE II CITY OF MASCOUTAH ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION

DRAWN BY:	MLS	SHEET	16
DESIGNED BY:	MLS	OF	113 SHEETS
CHECKED BY:	SJK	PROJECT DESCRIPTION	COUNTY ROAD REALIGNMENT
APPROVED BY:		PROJECT NUMBER	20-010154
<input checked="" type="checkbox"/> ISSUED FOR REVIEW		<input type="checkbox"/> ISSUED FOR BIDDING	
<input type="checkbox"/> ISSUED FOR CONSTR.		<input type="checkbox"/> RECORD DRAWING	

FBI ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO.	C-98-318-08	
IDOT CONTRACT NO.	97345	

THOUVENOT, WADE & MOERCHEN, INC.
ENGINEERS ♦ SURVEYORS ♦ PLANNERS



CORPORATE OFFICE
4940 OLD COLLINSVILLE RD.
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FAX (618) 656-4343
edwardsville@twm-inc.com

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1001 CRAIG ROAD, SUITE 260
ST. LOUIS, MISSOURI 63146
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stlouis@twm-inc.com

WATERLOO OFFICE
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-01120
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001526
MISSOURI LAND SURVEYING CORP.	NC 000346

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Expiration Date: _____

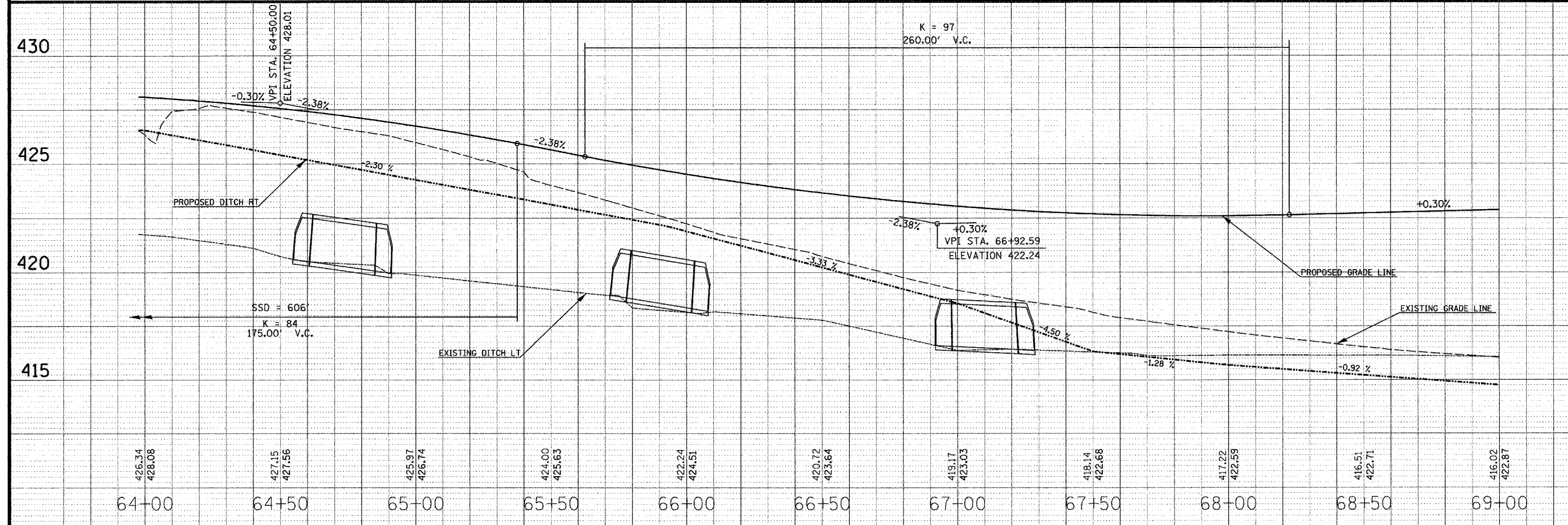
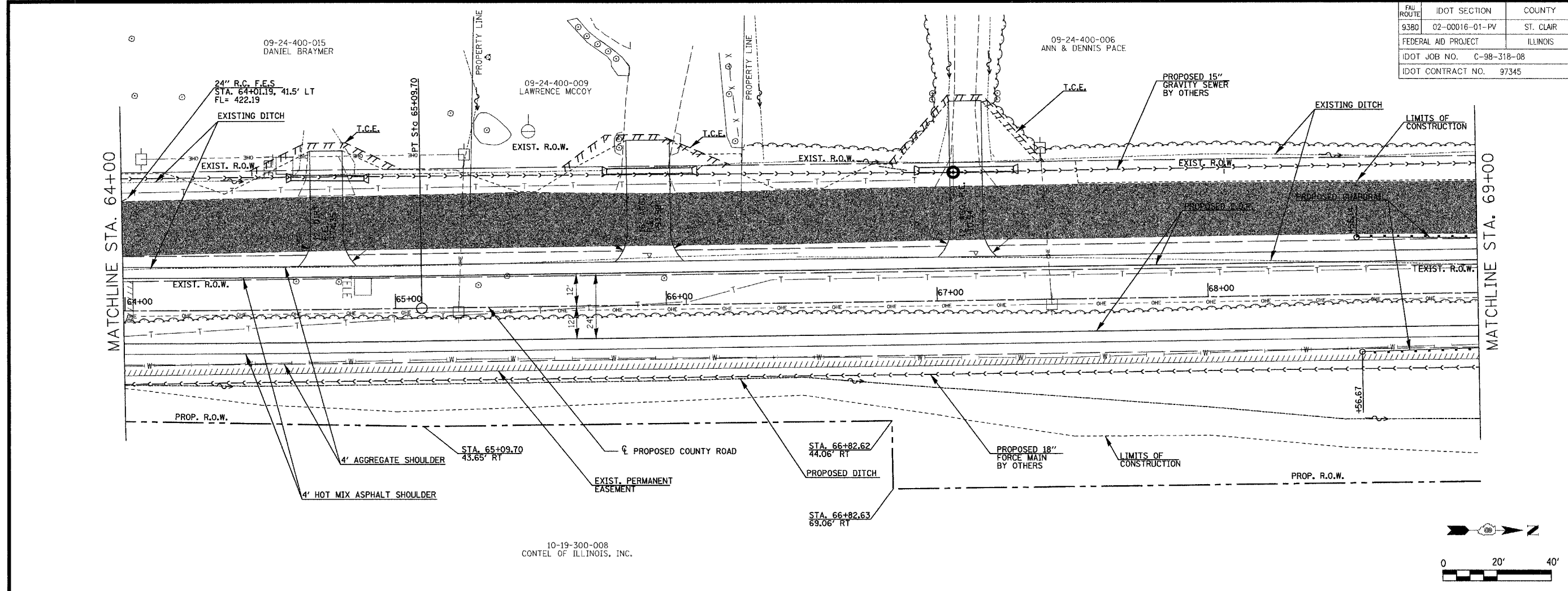
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TITLE: COUNTY ROAD ROADWAY PLAN/PROFILES STA 64+00 TO 69+00
PROJECT: COUNTY ROAD RECONSTRUCTION - PHASE II CITY OF MASCOUTAH ST. CLAIR COUNTY, ILLINOIS

REV: _____ DATE: _____ DESCRIPTION: _____

REV	DATE	DESCRIPTION

DRAWN BY: M.L.S.	SHEET 17
DESIGNED BY: M.L.S.	OF 113 SHEETS
CHECKED BY: S.J.K.	PROJECT DESCRIPTION: COUNTY ROAD REALIGNMENT
APPROVED BY: _____	PROJECT NUMBER: 120-010154
<input checked="" type="checkbox"/> ISSUED FOR REVIEW <input type="checkbox"/> ISSUED FOR BIDDING <input type="checkbox"/> ISSUED FOR CONSTR. <input type="checkbox"/> RECORD DRAWING	

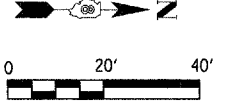


09-24-400-015 DANIEL BRAYMER

09-24-400-009 LAWRENCE MCCOY

09-24-400-006 ANN & DENNIS PACE

10-19-300-008 CONTEL OF ILLINOIS, INC.



FAU ROUTE 9380	IDOT SECTION 02-00016-01-PV	COUNTY ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO. C-98-318-08		
IDOT CONTRACT NO. 97345		

THOUVENOT, WADE & MOERCHEN, INC.
ENGINEERS • SURVEYORS • PLANNERS

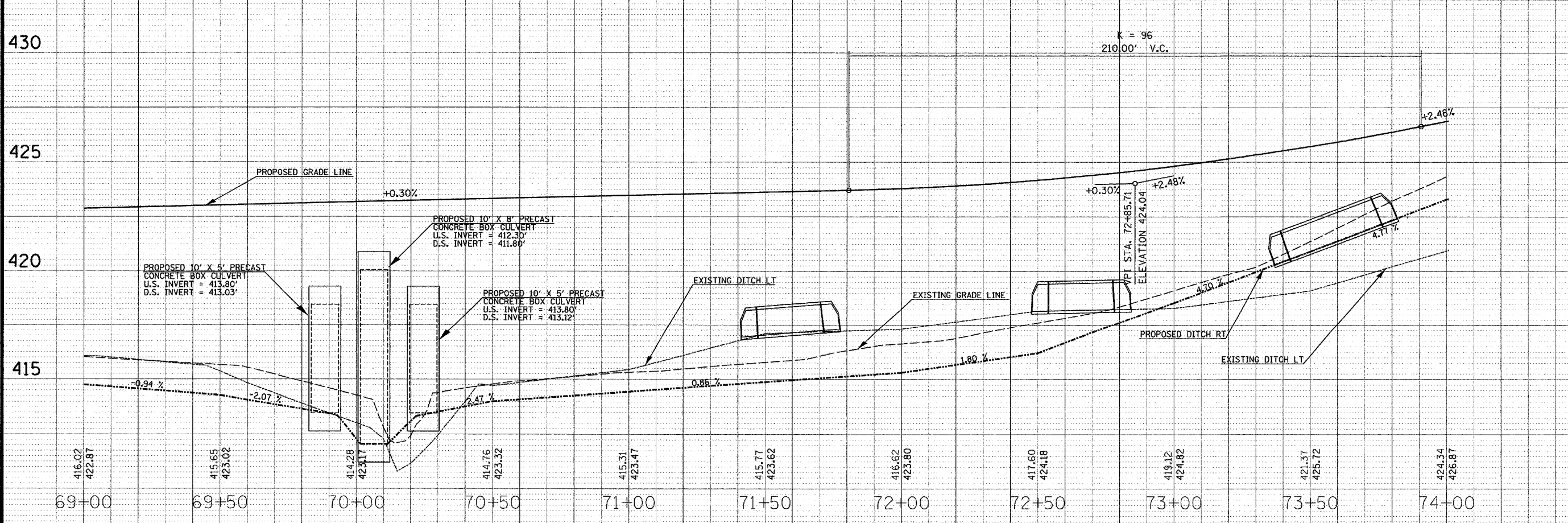
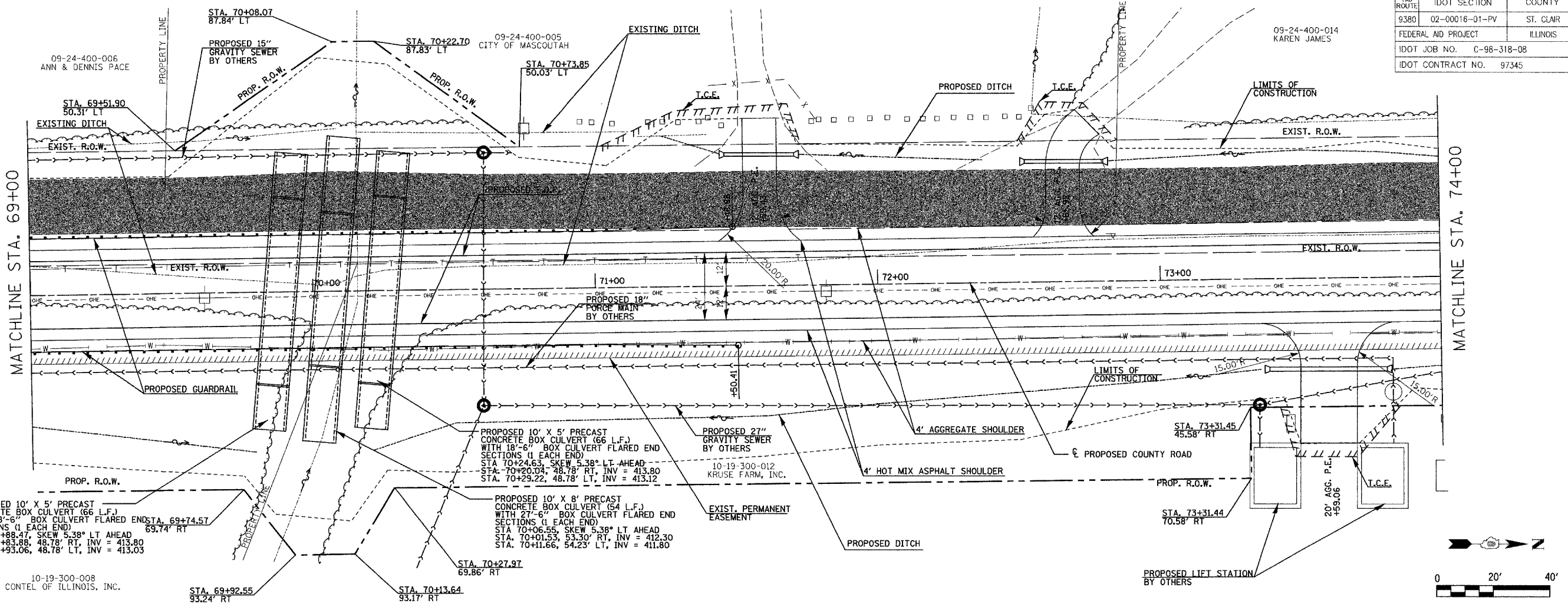


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FAX (618) 624-6688
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- WATERLOO OFFICE**
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FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

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Expiration Date: _____

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TITLE
COUNTY ROAD
ROADWAY PLAN/PROFILES
STA 69+00 TO 74+00

PROJECT
COUNTY ROAD
RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION

DRAWN BY: _____	MLS	SHEET
DESIGNED BY: _____	MLS	18
CHECKED BY: _____	SJK	OF 113 SHEETS
APPROVED BY: _____		PROJECT DESCRIPTION
PROJECT NUMBER: 20-010154		COUNTY ROAD REALIGNMENT
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING	
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING	

09-24-400-014
KAREN JAMES

09-24-400-013
KENNY LUECHTEFELD

09-24-400-004
RICHLIN PROPERTIES, LLC

09-24-400-003
A. LUECHTEFELD

10-19-300-012
KRUSE FARM, INC.

FBI ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO.	C-98-318-08	
IDOT CONTRACT NO.	97345	

THOUVENOT, WADE & MOERCHEN, INC.
ENGINEERS ♦ SURVEYORS ♦ PLANNERS



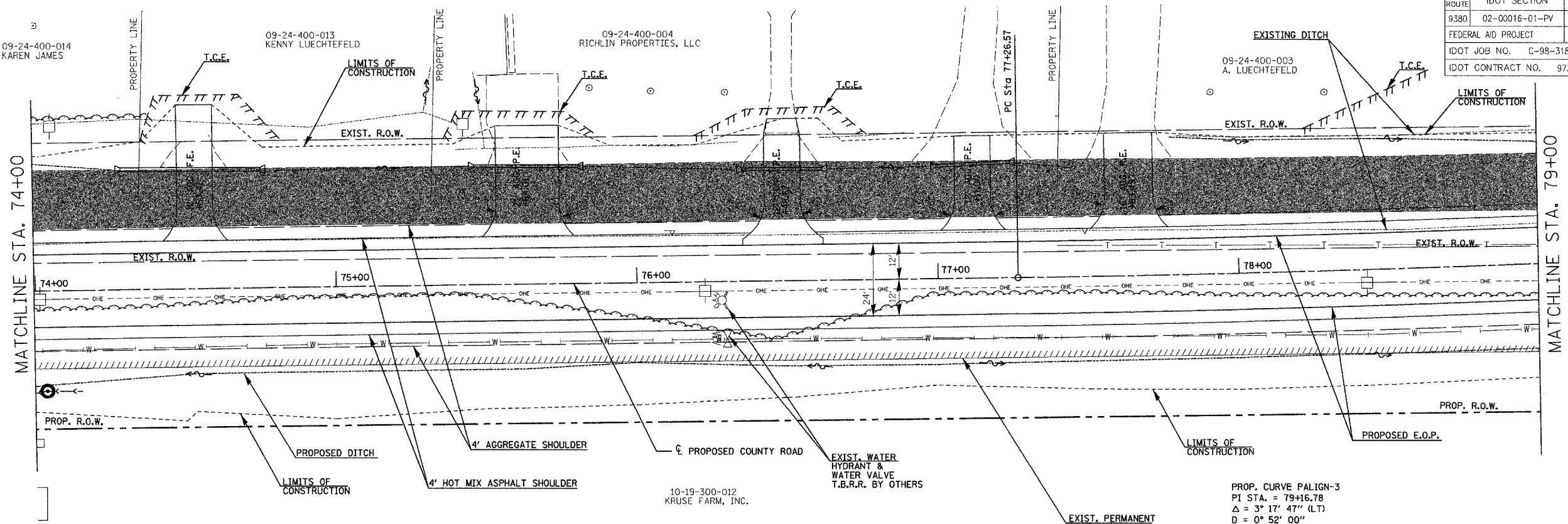
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corp@twm-inc.com
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TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
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ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001538
MISSOURI LAND SURVEYING CORP.	NC 000346

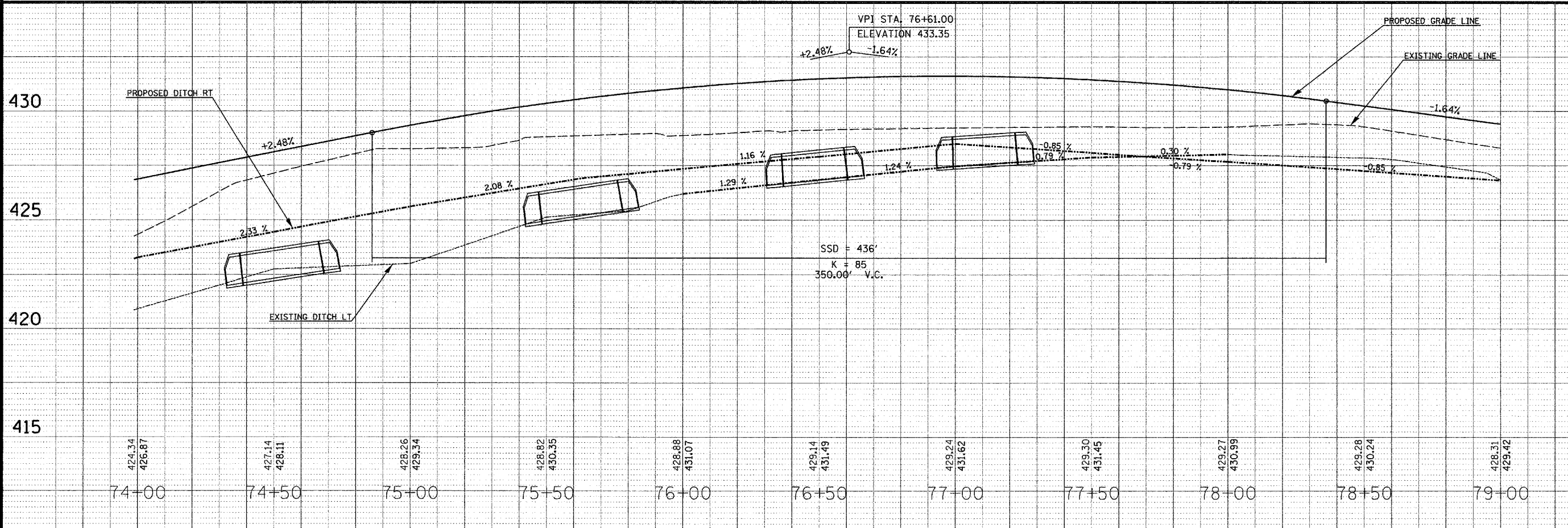
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PROP. CURVE PALIGN-3
PI STA. = 79+16.78
 $\Delta = 3^\circ 17' 47''$ (LT)
D = $0^\circ 52' 00''$
R = 6,610.00'
T = 190.20'
L = 380.30'
E = 2.74'
e = N/A
T.R. = N/A
S.E. RUN = N/A
P.C. STA. = 77+26.57
P.T. STA. = 81+06.88



TITLE: COUNTY ROAD ROADWAY PLAN/PROFILES STA 74+00 TO 79+00

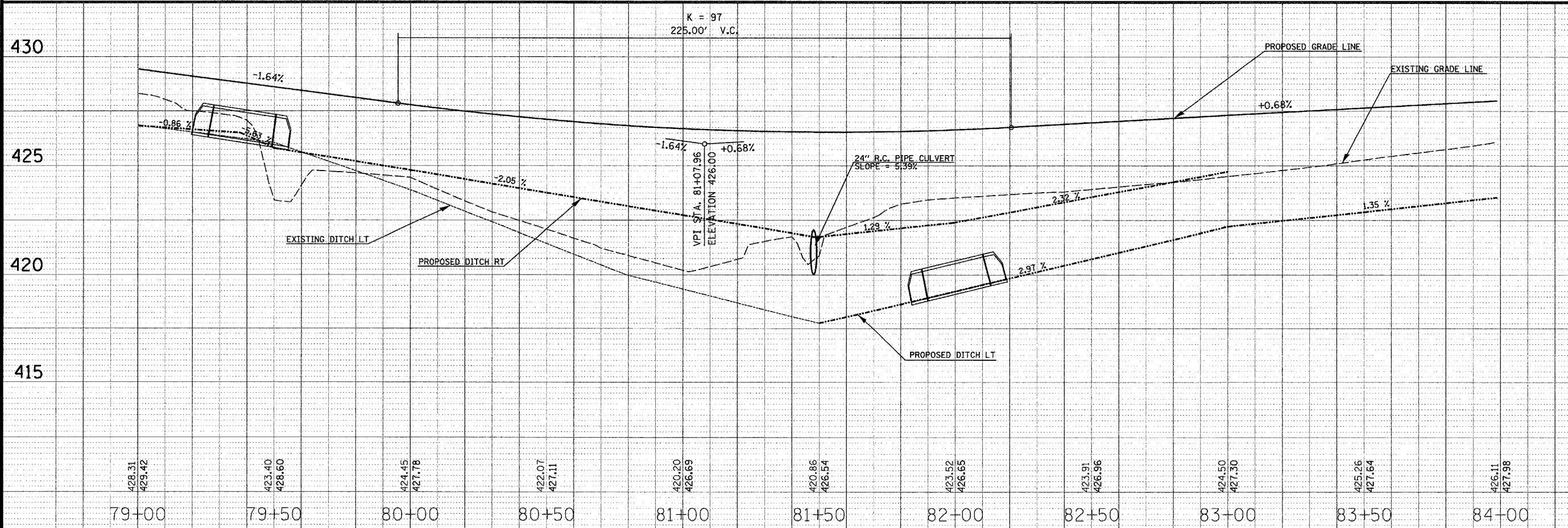
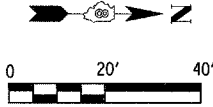
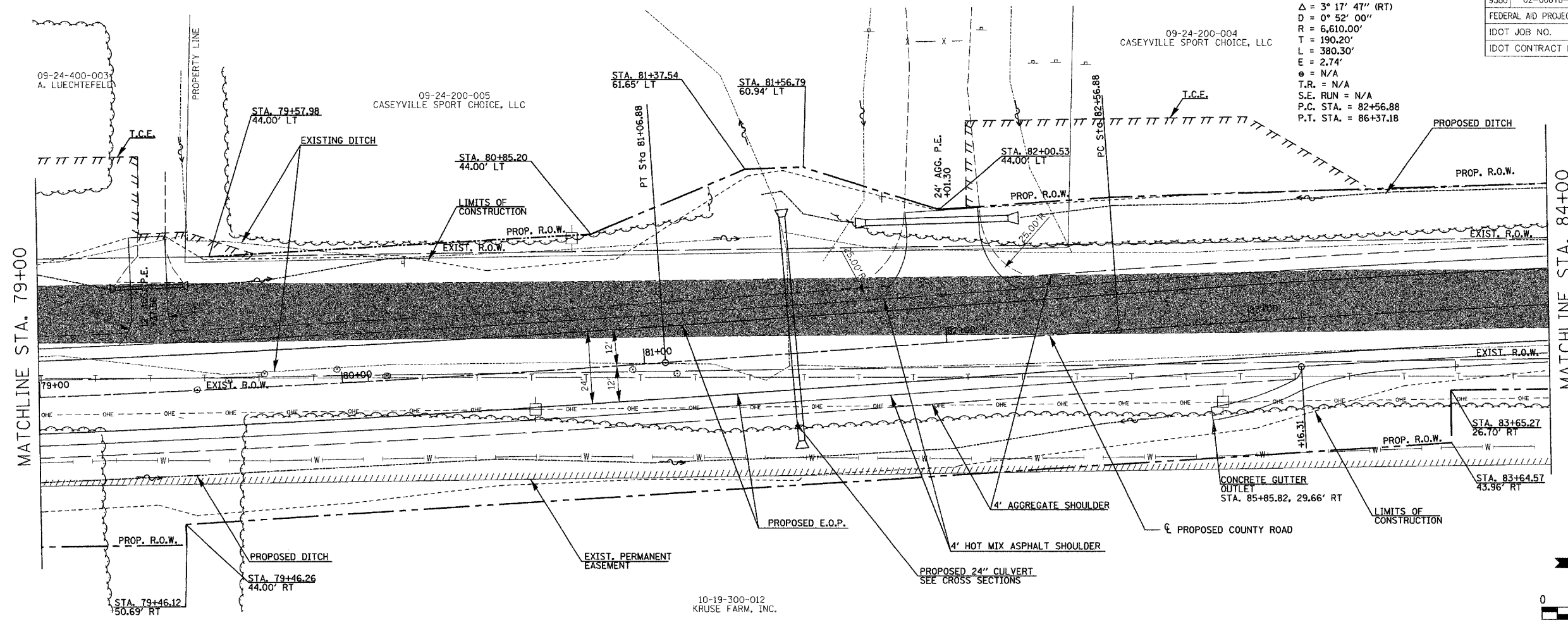
PROJECT: COUNTY ROAD RECONSTRUCTION - PHASE II CITY OF MASCOUATAH ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION

DRAWN BY:	MLS	SHEET
DESIGNED BY:	MLS	19
CHECKED BY:	SJK	OF 113 SHEETS
APPROVED BY:		
PROJECT NUMBER:	120-010154	PROJECT DESCRIPTION
		COUNTY ROAD REALIGNMENT
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING	
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING	

FED. ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO.	C-98-318-08	
IDOT CONTRACT NO.	97345	

PROP. CURVE PALIGN-4
 PI STA. = 84+47.08
 $\Delta = 3^{\circ} 17' 47''$ (RT)
 $D = 0^{\circ} 52' 00''$
 $R = 6,610.00'$
 $T = 190.20'$
 $L = 380.30'$
 $E = 2.74'$
 $e = N/A$
 $T.R. = N/A$
 $S.E. RUN = N/A$
 $P.C. STA. = 82+56.88$
 $P.T. STA. = 86+37.18$



THOUVENOT, WADE & MOERCHEN, INC.
 ENGINEERS ♦ SURVEYORS ♦ PLANNERS



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 4940 OLD COLLINSVILLE RD.
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 FAX (618) 656-4343
 edwardsville@twm-inc.com
- ST. LOUIS OFFICE**
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- WATERLOO OFFICE**
 113 SOUTH MAIN STREET
 WATERLOO, ILLINOIS 62298
 TEL (618) 939-5050
 FAX (618) 939-3938
 waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-036370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

Signature: _____
 Signature Date: _____
 Expiration Date: _____

STATEMENT OF RESPONSIBILITY
 I hereby confirm that the document herein to be authenticated by my seal is restricted to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be utilized for any other part of the architectural, engineering or survey project.

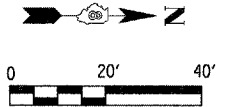
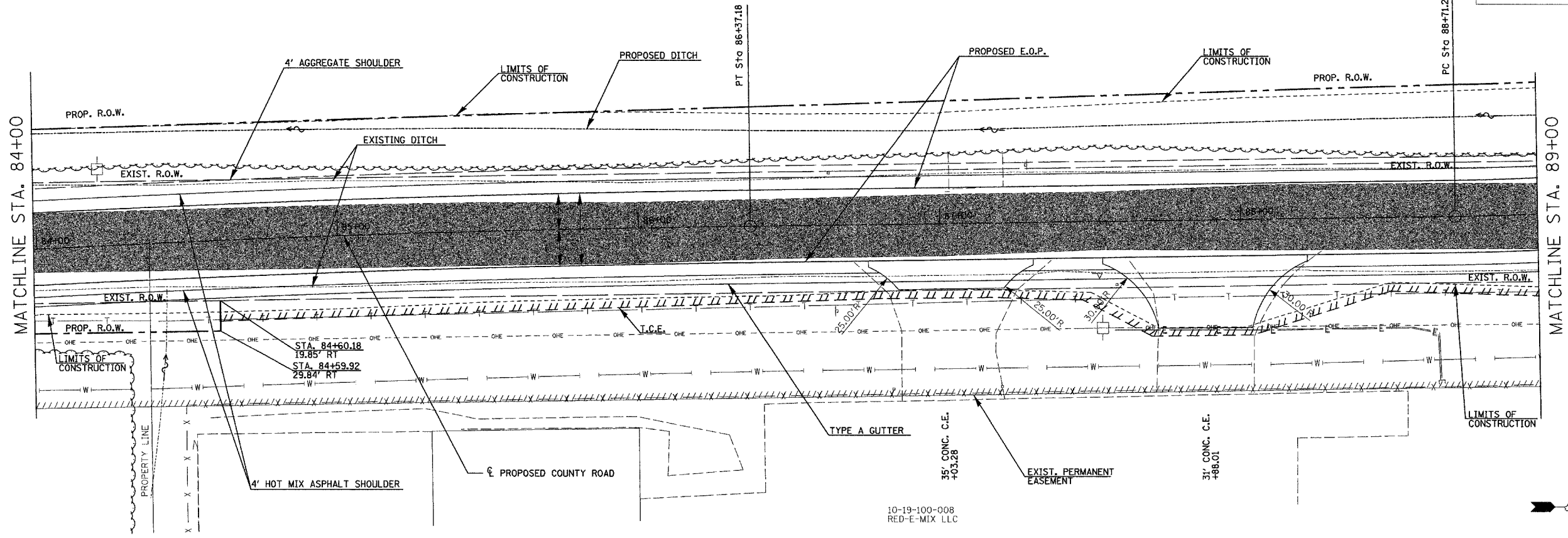
TITLE: COUNTY ROAD ROADWAY PLAN/PROFILES STA 79+00 TO 84+00
PROJECT: COUNTY ROAD RECONSTRUCTION - PHASE II CITY OF MASCOUTAH ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION

DRAWN BY:	MLS	SHEET
DESIGNED BY:	MLS	20
CHECKED BY:	SJK	OF 113 SHEETS
APPROVED BY:		PROJECT DESCRIPTION
PROJECT NUMBER:	20-010154	COUNTY ROAD REALIGNMENT
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING	
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWINGS	

FAU ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-318-08	
IDOT CONTRACT NO.	97345	

09-24-200-004
CASEYVILLE SPORT CHOICE, LLC



THOUVENOT, WADE & MOERCHEN, INC.
ENGINEERS ♦ SURVEYORS ♦ PLANNERS



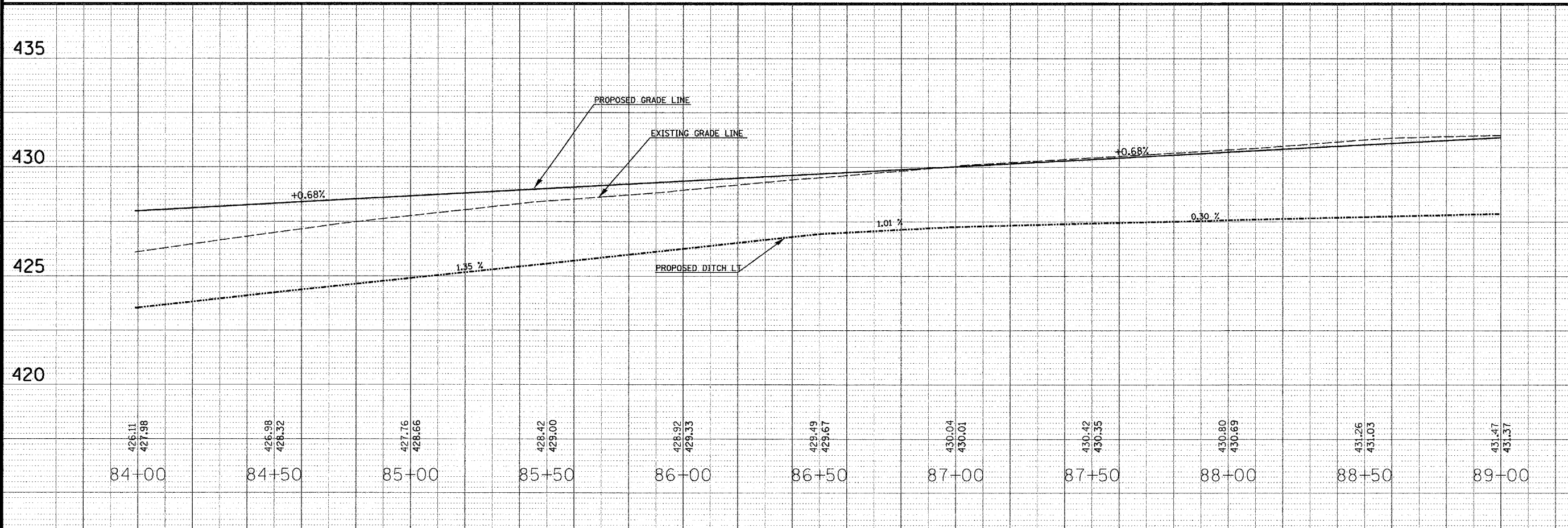
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FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	049-000229
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

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Signature: _____
Signature Date: _____
Expiration Date: _____

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TITLE
COUNTY ROAD
ROADWAY PLAN/PROFILES
STA 84+00 TO 89+00

PROJECT
COUNTY ROAD
RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: MLS	SHEET
DESIGNED BY: MLS	21
CHECKED BY: SJK	OF 113 SHEETS
APPROVED BY:	PROJECT DESCRIPTION
PROJECT NUMBER: 20-010154	COUNTY ROAD REALIGNMENT
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

FHW ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO.		C-98-318-08
IDOT CONTRACT NO.		97345

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ENGINEERS ♦ SURVEYORS ♦ PLANNERS



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FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

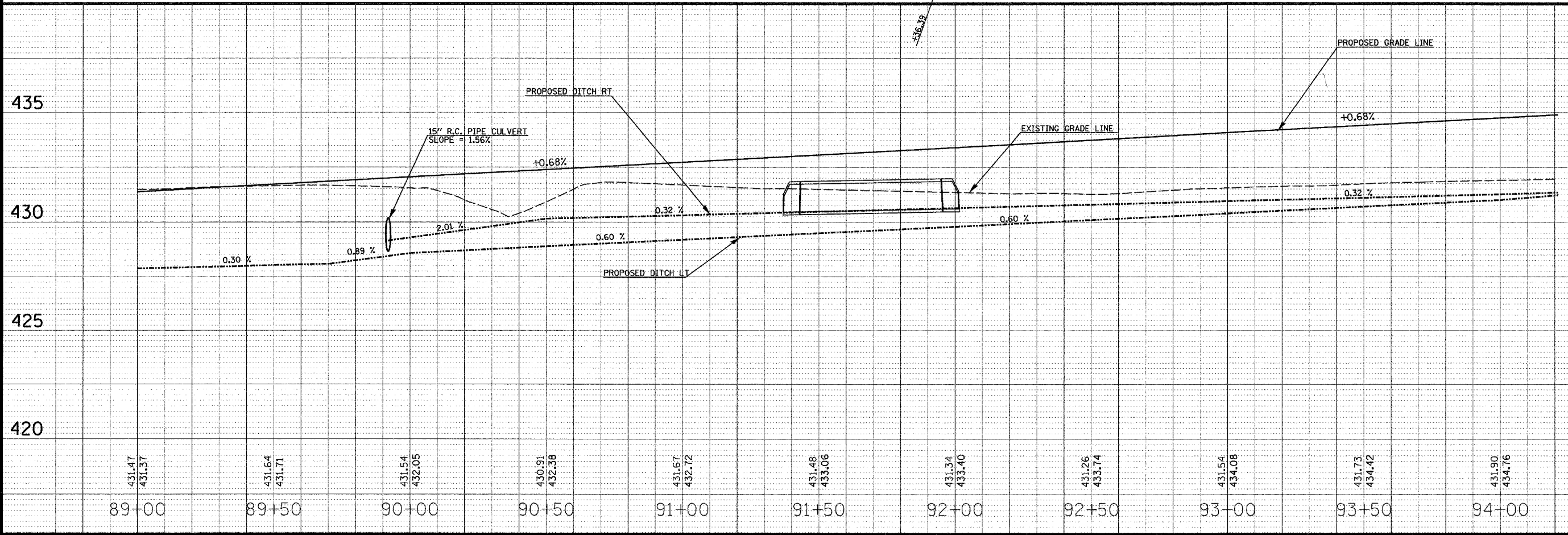
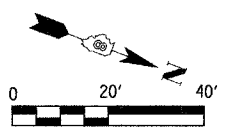
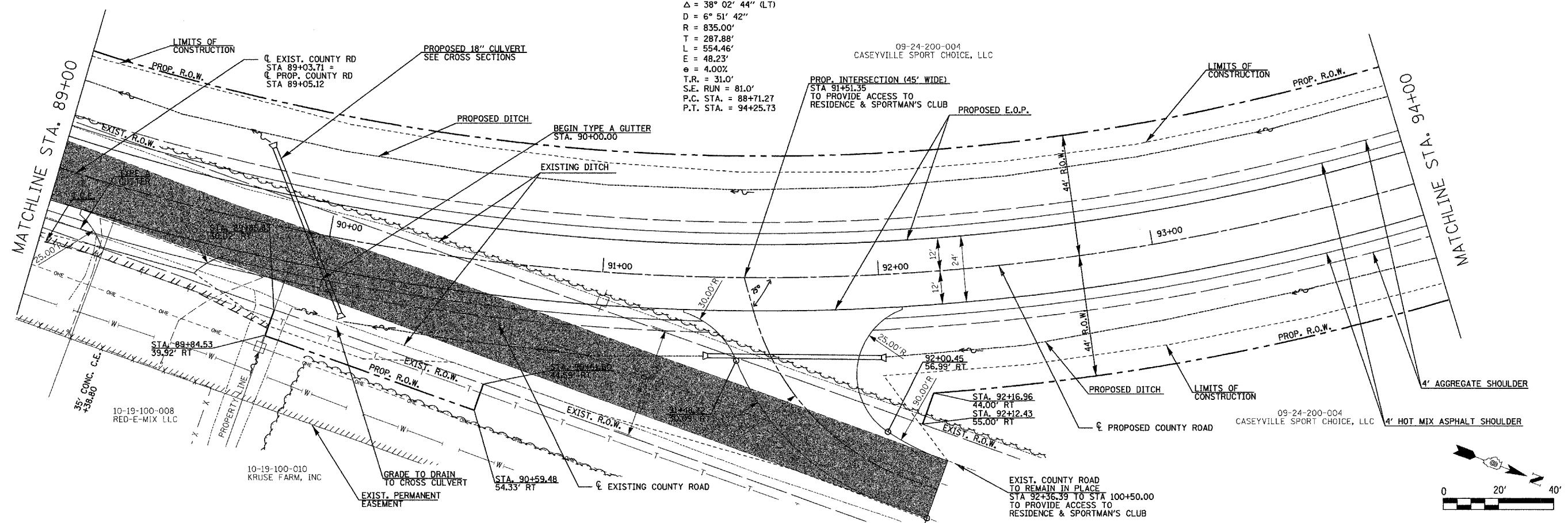
Signature: _____
Signature Date: _____
Expiration Date: _____

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PROP. CURVE PALIGN-5
PI STA. = 91+59.16
 $\Delta = 38^\circ 02' 44''$ (LT)
D = 6° 51' 42"
R = 835.00'
T = 287.88'
L = 554.46'
E = 48.23'
e = 4.00%
T.R. = 31.0°
S.E. RUN = 81.0°
P.C. STA. = 88+71.27
P.T. STA. = 94+25.73

09-24-200-004
CASEYVILLE SPORT CHOICE, LLC

09-24-200-004
CASEYVILLE SPORT CHOICE, LLC



TITLE
COUNTY ROAD
ROADWAY PLAN/PROFILES
STA 89+00 TO 94+00


PROJECT
COUNTY ROAD
RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY:	MLS	SHEET 22 OF 113 SHEETS
DESIGNED BY:	MLS	
CHECKED BY:	SJK	
APPROVED BY:		PROJECT DESCRIPTION COUNTY ROAD REALIGNMENT
PROJECT NUMBER:	20-010154	
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING	
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING	

FAU ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO.	C-98-318-08	
IDOT CONTRACT NO.	97345	

THOUVENOT, WADE & MOERCHEN, INC.
ENGINEERS ♦ SURVEYORS ♦ PLANNERS



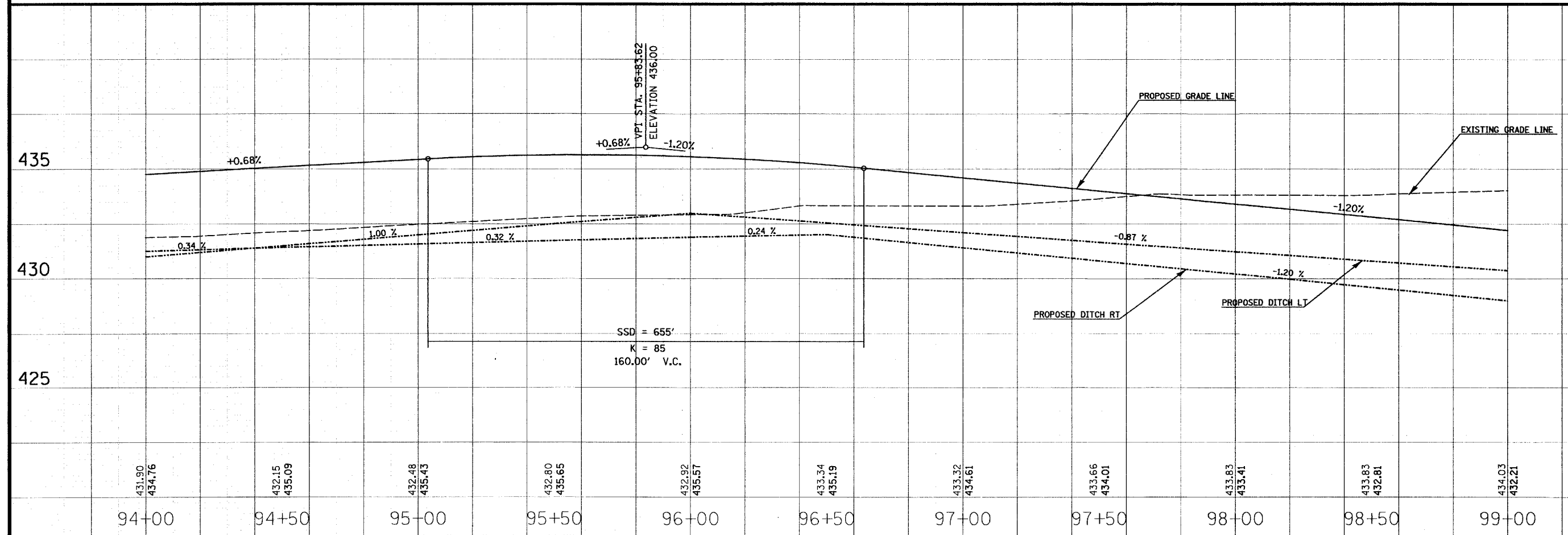
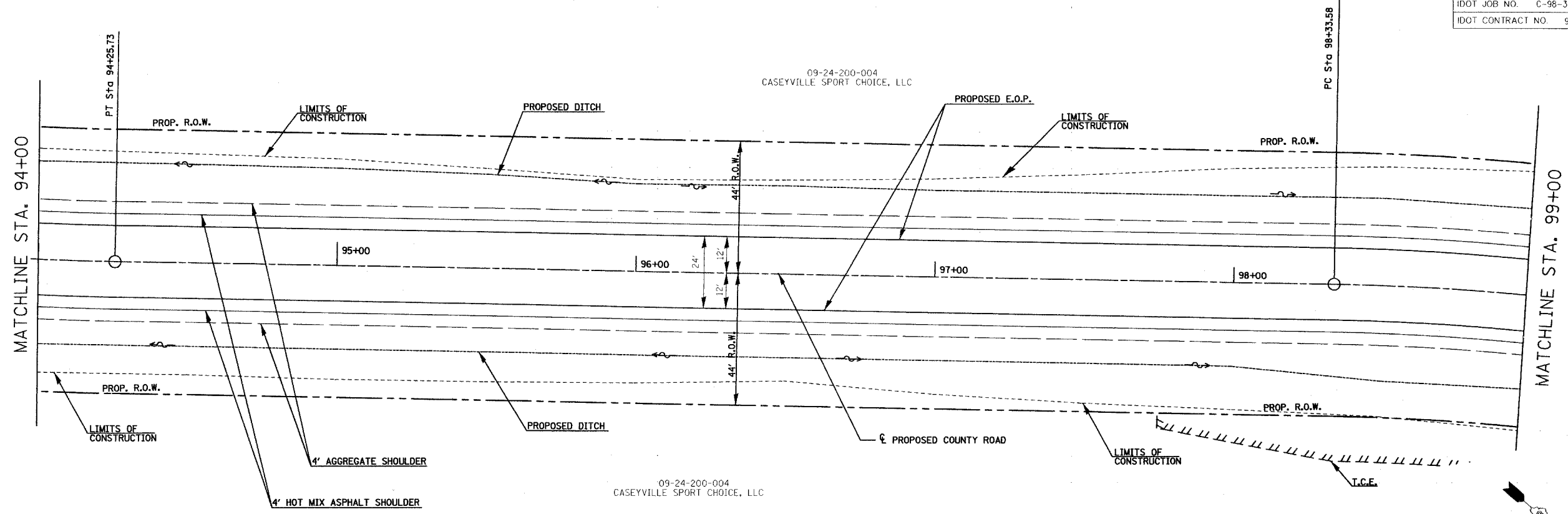
- ☒ **CORPORATE OFFICE**
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WATERLOO, ILLINOIS 62298
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waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

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Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
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TITLE: COUNTY ROAD ROADWAY PLAN/PROFILES STA 94+00 TO 99+00

PROJECT: COUNTY ROAD RECONSTRUCTION - PHASE II CITY OF MASCOUTAH ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
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△		

DRAWN BY:	MLS	SHEET 23 OF 113 SHEETS
DESIGNED BY:	MLS	
CHECKED BY:	SJK	PROJECT DESCRIPTION COUNTY ROAD REALIGNMENT
APPROVED BY:		
PROJECT NUMBER:	120-010154	

ISSUED FOR REVIEW ISSUED FOR BIDDING
 ISSUED FOR CONSTR. RECORD DRAWING

FED. ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-318-08	
IDOT CONTRACT NO.	97345	

THOUVENOT, WADE & MOERCHEN, INC.
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TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-033370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Signature: _____
Signature Date: _____
Expiration Date: _____

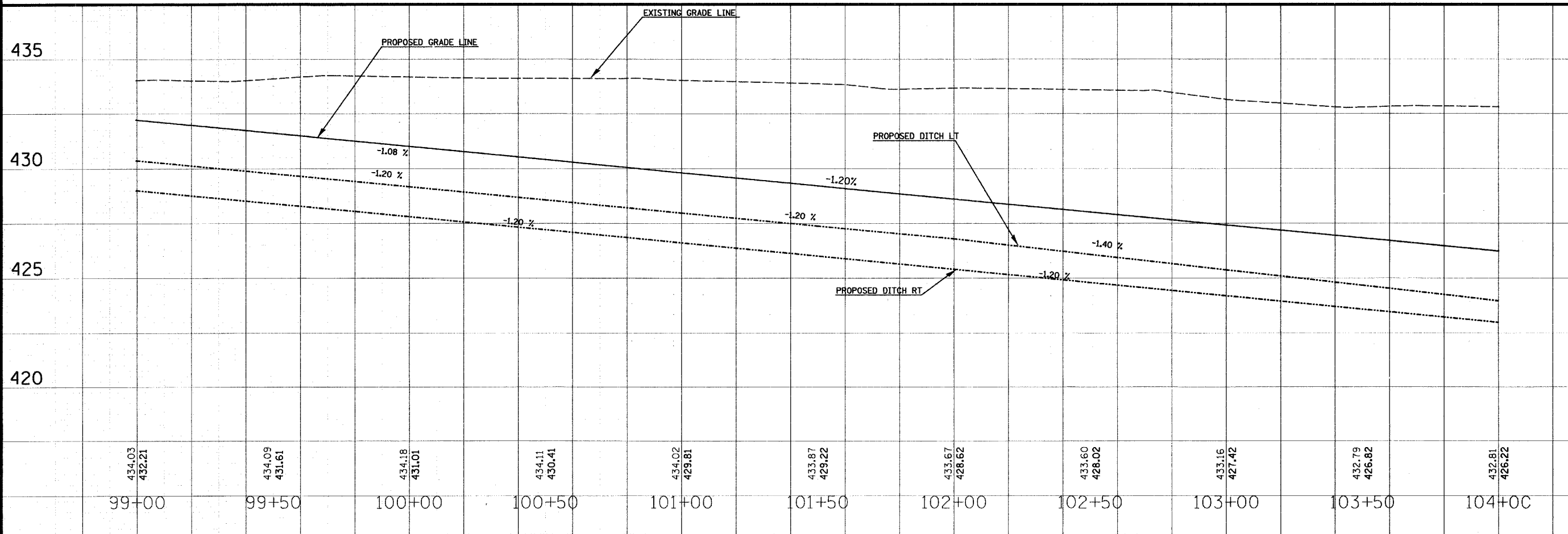
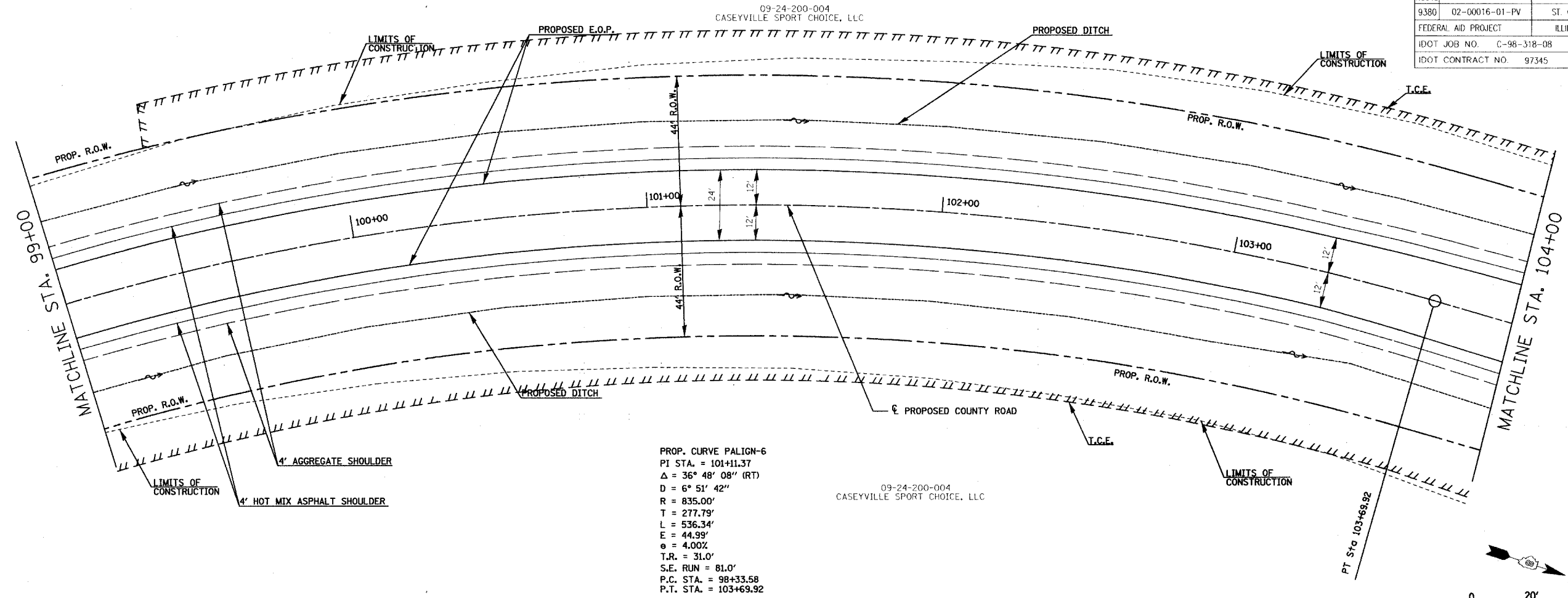
STATEMENT OF RESPONSIBILITY
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TITLE: COUNTY ROAD ROADWAY PLAN/PROFILES STA 99+00 TO 104+00

PROJECT: COUNTY ROAD RECONSTRUCTION - PHASE II CITY OF MASCOUTAH ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
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DRAWN BY:	MLS	SHEET 24 OF 118 SHEETS
DESIGNED BY:	MLS	
CHECKED BY:	SJK	PROJECT DESCRIPTION COUNTY ROAD REALIGNMENT
APPROVED BY:		
PROJECT NUMBER:	120-010154	
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING	
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING	



FAU ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO.	C-98-318-08	
IDOT CONTRACT NO.	97345	

THOUVENOT, WADE & MOERCHEN, INC.
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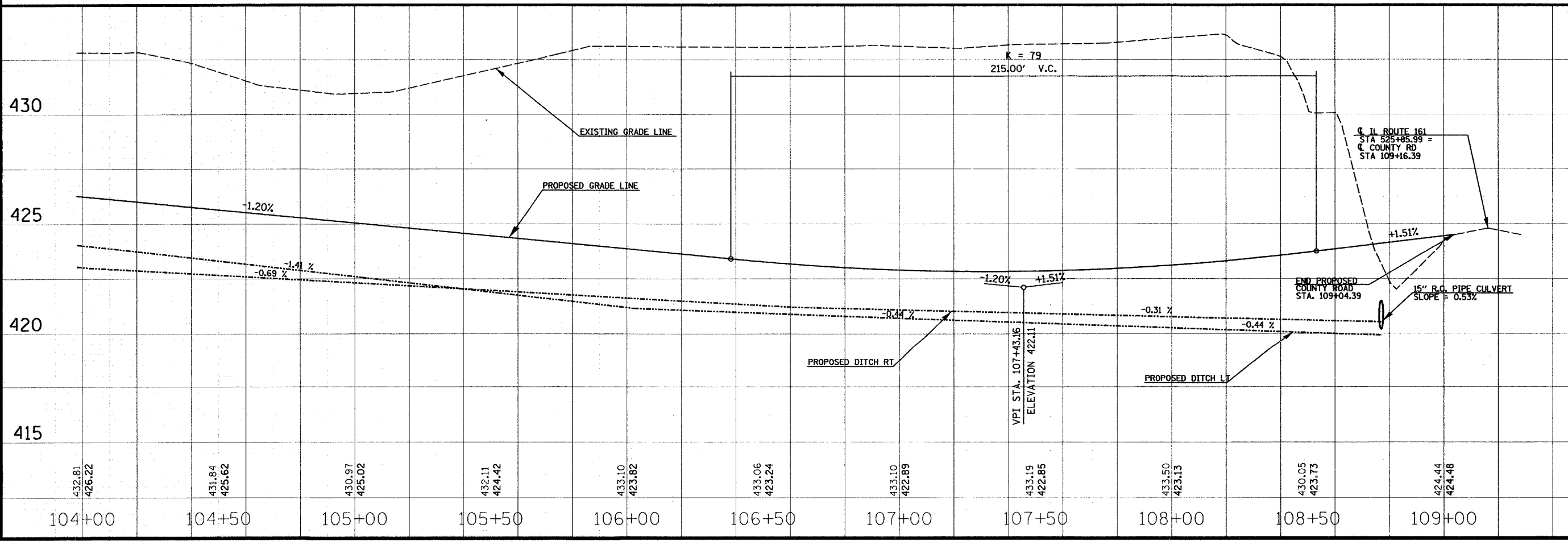
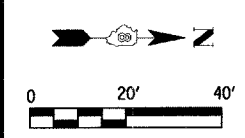
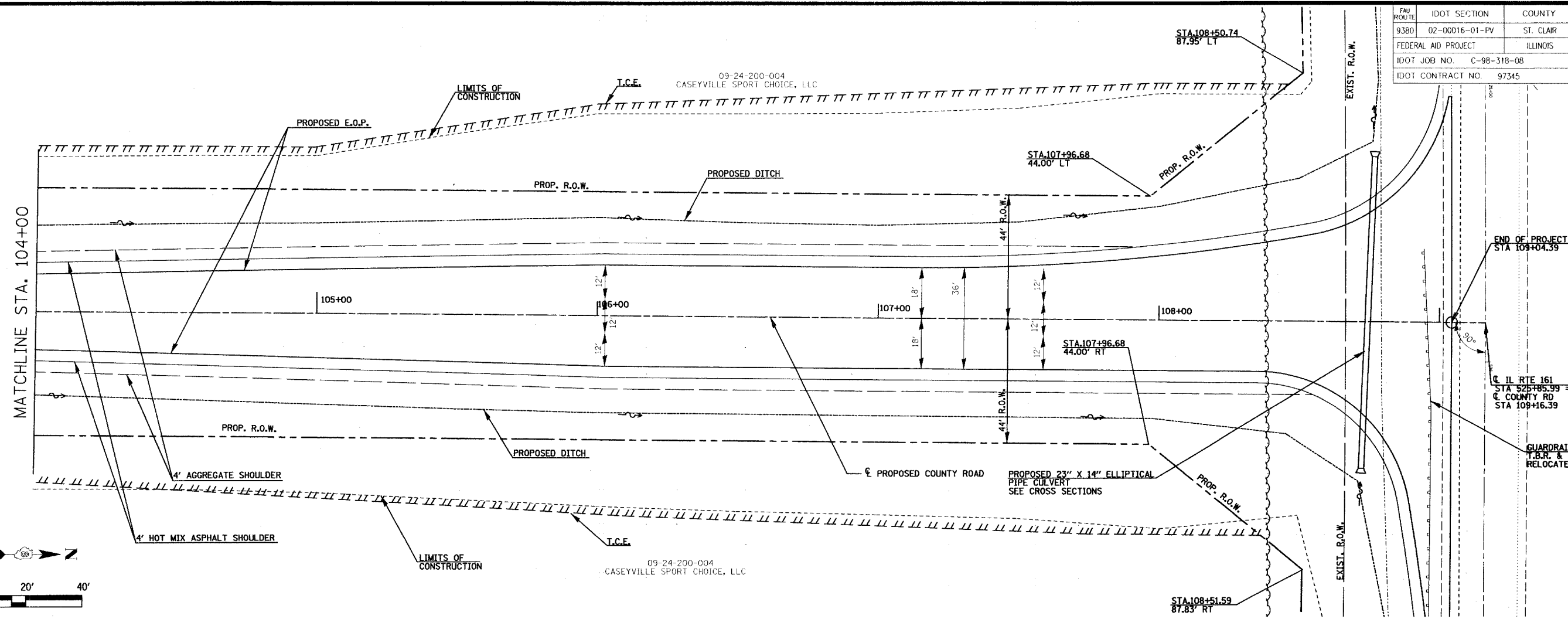


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FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

Signature: _____
Signature Date: _____
Expiration Date: _____

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TITLE: COUNTY ROAD ROADWAY PLAN/PROFILES STA 104+00 TO 109+04.39

PROJECT: COUNTY ROAD RECONSTRUCTION - PHASE II CITY OF MASCOUTAH ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
△		
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△		

DRAWN BY:	M.L.S.	SHEET 25 OF 118 SHEETS
DESIGNED BY:	M.L.S.	
CHECKED BY:	S.J.K.	PROJECT DESCRIPTION COUNTY ROAD REALIGNMENT
APPROVED BY:		
PROJECT NUMBER:	120-010154	
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING	
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING	

FED. AID PROJECT	DOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
IDOT JOB NO. C-98-318-08	ILLINOIS	
IDOT CONTRACT NO. 97345		

THOUVENOT, WADE & MOERCHEN, INC.
ENGINEERS • SURVEYORS • PLANNERS

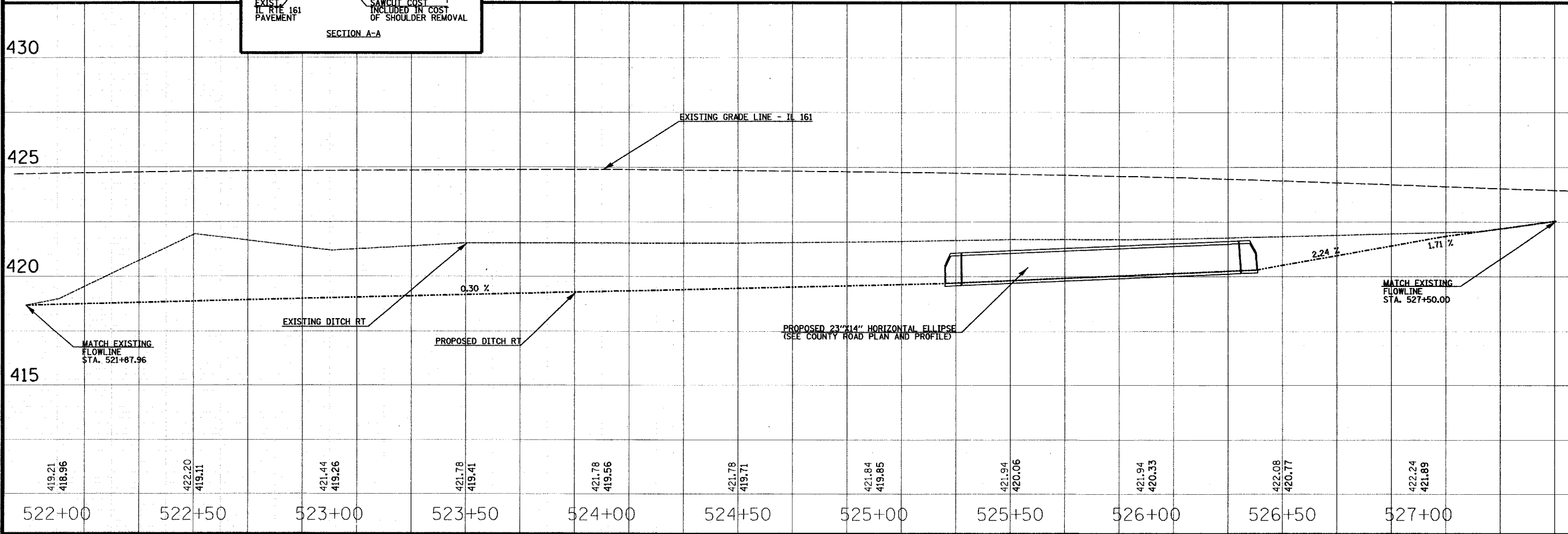
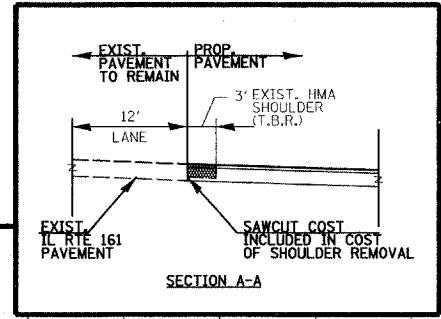
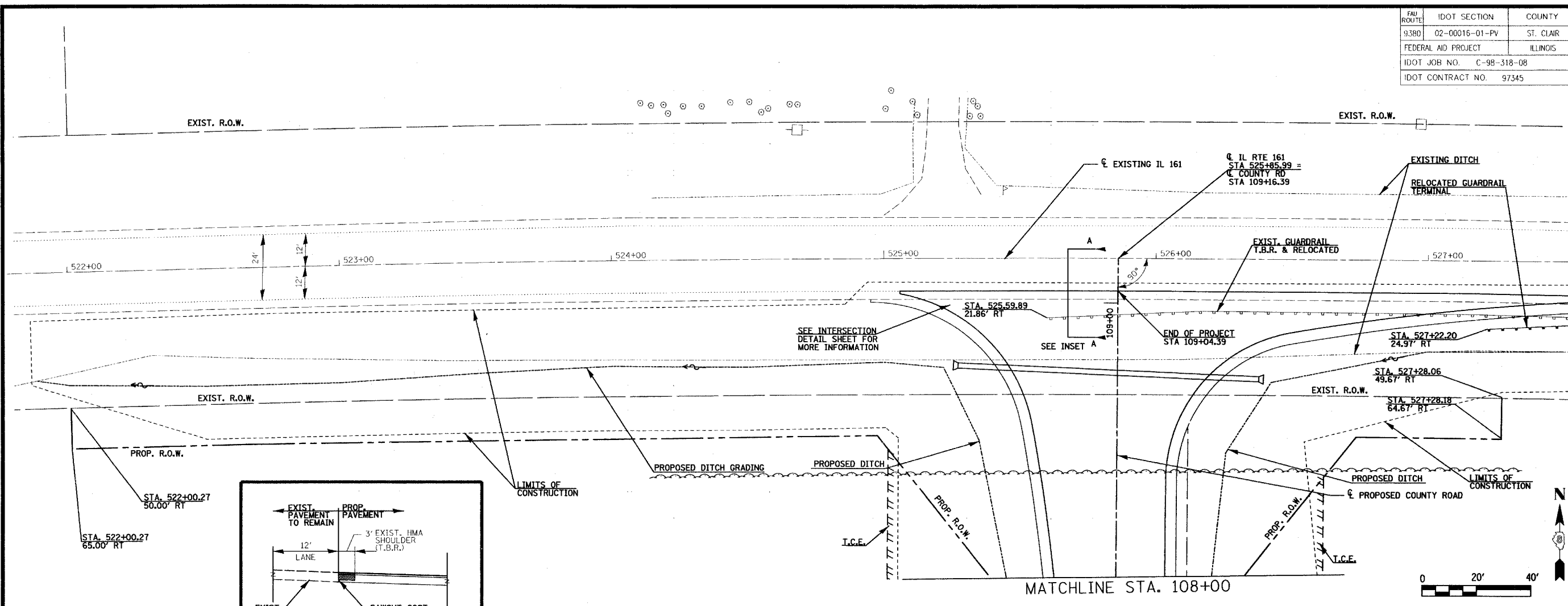


- CORPORATE OFFICE**
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FAX (618) 624-6688
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edwardsville@twm-inc.com
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FAX (314) 872-2194
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WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-006202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY
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TITLE: ILLINOIS ROUTE 161 ROADWAY PLAN/PROFILES STA 522+00 TO 527+50

PROJECT: COUNTY ROAD RECONSTRUCTION - PHASE II CITY OF MASCOUTAH ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
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△		
△		

DRAWN BY:	MLS	SHEET
DESIGNED BY:	MLS	26
CHECKED BY:	SJK	OF 113 SHEETS
APPROVED BY:		PROJECT DESCRIPTION
PROJECT NUMBER:	20-010154	COUNTY ROAD REALIGNMENT
<input type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING	
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING	

STAGE I SUMMARY

A. CONSTRUCT ALL IMPROVEMENTS FROM STA. 92+00 TO STA. 109+04.39.
ALL EXISTING TRAFFIC PATTERNS TO REMAIN ON EXISTING COUNTY ROAD.

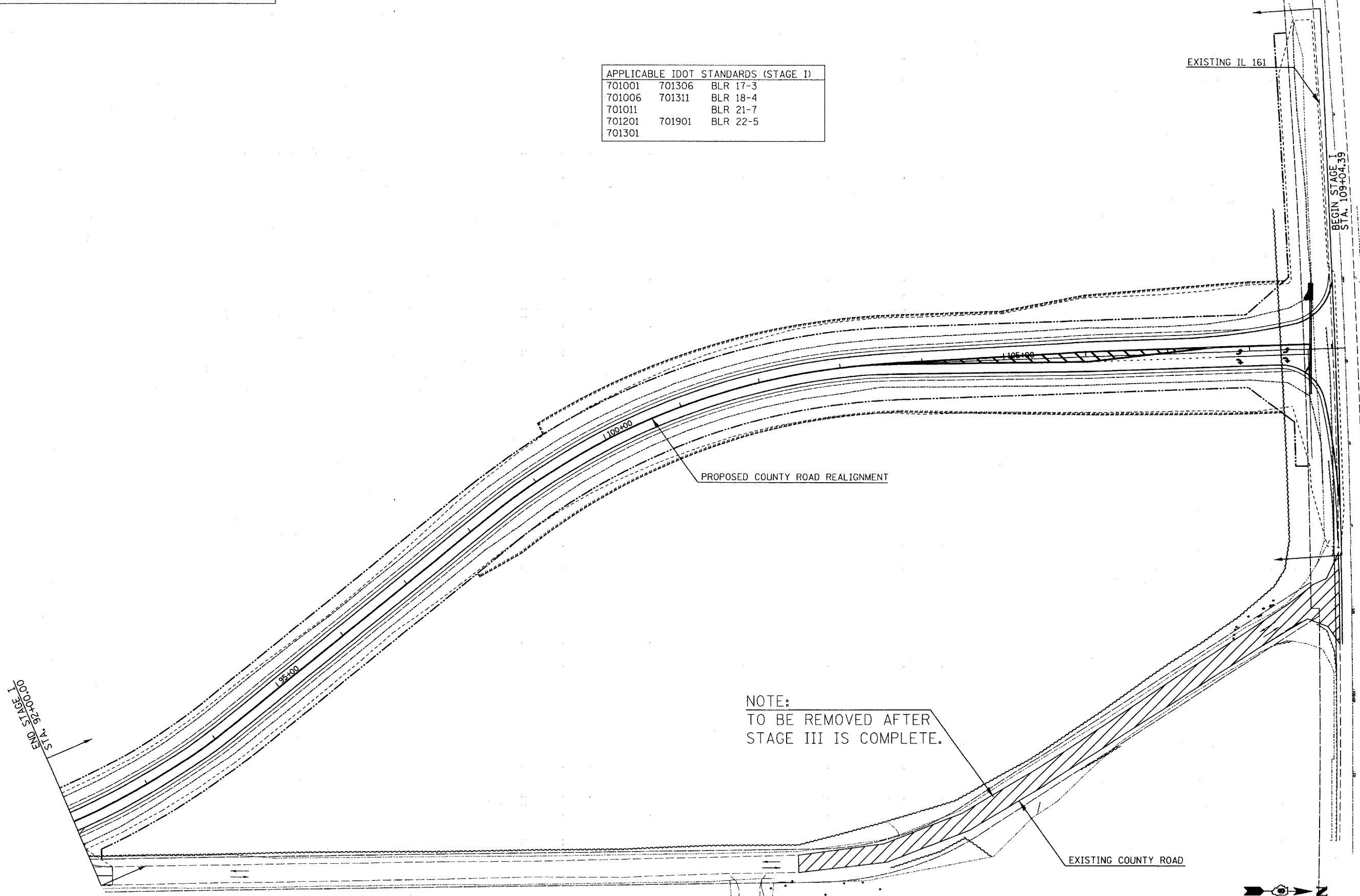
FAH ROUTE	IDOT SECTION	COUNTY
9380	02-0016-01-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-318-08	
IDOT CONTRACT NO.	97345	

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FAX (618) 939-3938
waterloo@twm-inc.com

APPLICABLE IDOT STANDARDS (STAGE I)		
701001	701306	BLR 17-3
701006	701311	BLR 18-4
701011		BLR 21-7
701201	701901	BLR 22-5
701301		



NOTE:
TO BE REMOVED AFTER
STAGE III IS COMPLETE.

STAGE I CONSTRUCTION
STA: 92+00.00 TO STA. 109+04.39

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-03370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

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Signature: _____
Signature Date: _____
Expiration Date: _____

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TITLE
STAGE CONSTRUCTION AND TRAFFIC CONTROL PLAN

PROJECT
COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: BJC	SHEET
DESIGNED BY: BJC	28
CHECKED BY: S.K.	OF 113 SHEETS
APPROVED BY:	PROJECT DESCRIPTION
PROJECT NUMBER: 20-C10154	COUNTY ROAD REALIGNMENT
<input type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

FAH ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-318-08	
IDOT CONTRACT NO.	97345	

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PROFESSIONAL REGISTRATIONS	LICENSE NO.
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PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
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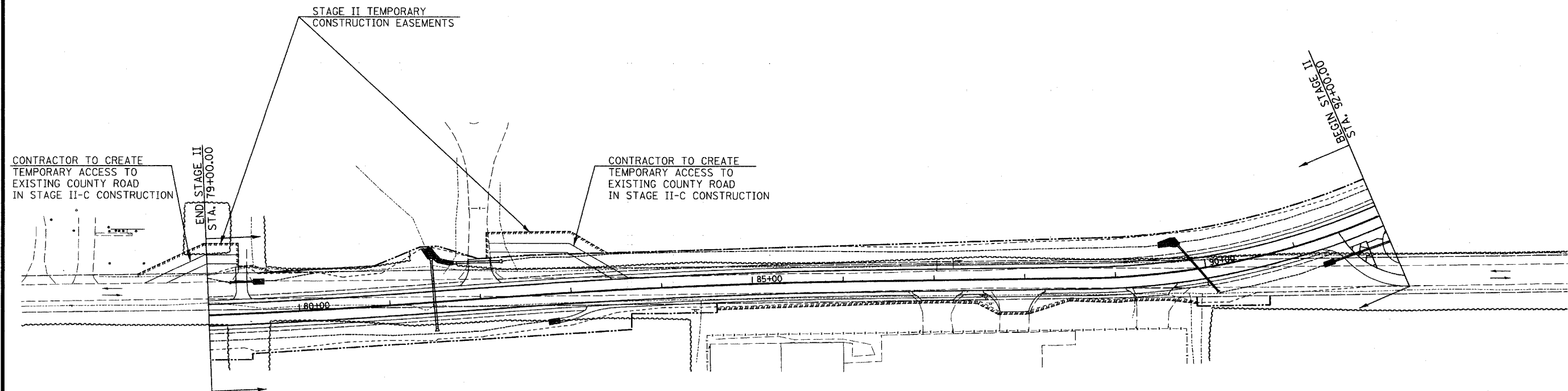
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Signature: _____
Signature Date: _____
Expiration Date: _____

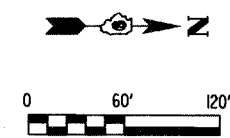
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- STAGE II SUMMARY**
- A. CONSTRUCT PROPOSED PAVEMENT (LESS 2" HMA SURFACE COURSE), HMA SHOULDERS (LESS FINAL 2" COURSE), AND ALL CURB/GUTTER UNDER FULL ROAD CLOSURE FROM STA. 88+75 TO STA. 92+00. ALL TRAFFIC SHALL DETOUR ACCORDINGLY TO AVOID THE CONSTRUCTION ZONE BETWEEN STA. 88+75 TO STA. 92+00. ALL ENTRANCE AND SIDE ROAD TRAFFIC ENTERING THIS SECTION SHALL HAVE ACCESS TO THE NEW ALIGNMENT UPON COMMENCEMENT OF STAGE II-A CONSTRUCTION (DETOURING NORTH) AND ALL ENTRANCE AND SIDE ROAD TRAFFIC SOUTH OF STA. 88+75 WILL DETOUR SOUTH ON THE EXISTING ALIGNMENT.
 - B. CONSTRUCT PROPOSED PAVEMENT (LESS 2" HMA SURFACE COURSE), HMA SHOULDERS (LESS FINAL 2" COURSE), AND ALL CURB/GUTTER UNDER FULL ROAD CLOSURE FROM STA. 82+50 TO STA. 88+75. ALL TRAFFIC SHALL DETOUR ACCORDINGLY TO AVOID THE CONSTRUCTION ZONE BETWEEN STA. 82+50 TO STA. 88+75. ALL ENTRANCE AND SIDE ROAD TRAFFIC ENTERING THIS SECTION SHALL HAVE ACCESS TO THE NEW ALIGNMENT UPON COMMENCEMENT OF STAGE II-B CONSTRUCTION (DETOURING NORTH) AND ALL ENTRANCE AND SIDE ROAD TRAFFIC SOUTH OF STA. 82+50 WILL DETOUR SOUTH ON THE EXISTING ALIGNMENT.
 - C. CONSTRUCT PROPOSED PAVEMENT (LESS 2" HMA SURFACE COURSE), HMA SHOULDERS (LESS FINAL 2" COURSE), AND ALL CURB/GUTTER UNDER FULL ROAD CLOSURE FROM STA. 79+00 TO STA. 82+50. ALL TRAFFIC SHALL DETOUR ACCORDINGLY TO AVOID THE CONSTRUCTION ZONE BETWEEN STA. 79+00 TO STA. 82+50. ALL ENTRANCE AND SIDE ROAD TRAFFIC ENTERING THIS SECTION SHALL HAVE ACCESS TO THE NEW ALIGNMENT UPON COMMENCEMENT OF STAGE II-C CONSTRUCTION (DETOURING NORTH) AND ALL ENTRANCE AND SIDE ROAD TRAFFIC SOUTH OF STA. 79+00 WILL DETOUR SOUTH ON THE EXISTING ALIGNMENT.
 - D. APPLY MAINLINE SURFACE COURSE AND FINAL 2" LIFTS ON BOTH HOT-MIX ASPHALT SHOULDERS UNDER TRAFFIC UTILIZING IDOT STANDARD TRAFFIC CONTROL METHODS. ALL TRAFFIC IN THE STAGE II CONSTRUCTION ZONE SHALL CONTINUE TO DETOUR NORTH DURING STAGE II-D CONSTRUCTION.
 - E. COMPLETE ALL REMAINING IMPROVEMENTS IN THE STAGE II CONSTRUCTION ZONE UNDER TRAFFIC UTILIZING IDOT STANDARD TRAFFIC CONTROL METHODS. ALL TRAFFIC IN THE STAGE II CONSTRUCTION ZONE SHALL CONTINUE TO DETOUR NORTH DURING STAGE II-E CONSTRUCTION.

APPLICABLE IDOT STANDARDS (STAGE II)		
701001	701306	BLR 17-3
701006	701311	BLR 18-4
701011		BLR 21-7
701201	701901	BLR 22-5
701301		



STAGE II CONSTRUCTION
STA. 79+00.00 TO STA. 92+00.00



TITLE
STAGE CONSTRUCTION AND TRAFFIC CONTROL PLAN

PROJECT
COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV	DATE	DESCRIPTION
△		
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DRAWN BY: B.J.C.	SHEET
DESIGNED BY: B.J.C.	29
CHECKED BY: S.K.	OF 113 SHEETS
APPROVED BY:	PROJECT DESCRIPTION
PROJECT NUMBER: 120-010154	COUNTY ROAD REALIGNMENT
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

FAU ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-318-08	
IDOT CONTRACT NO.	97345	

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ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

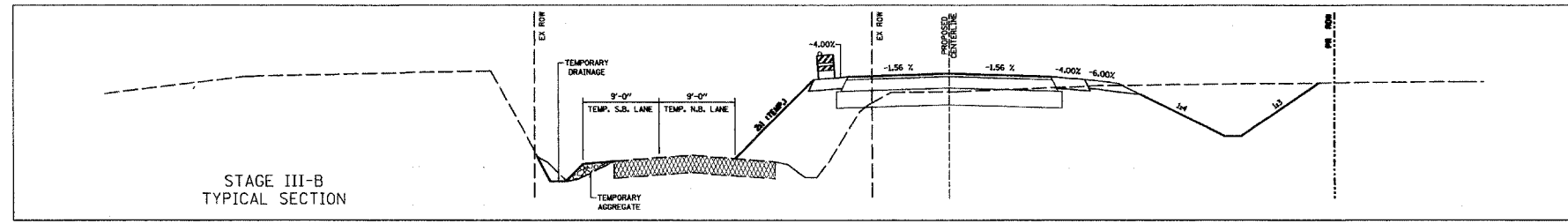
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Expiration Date: _____

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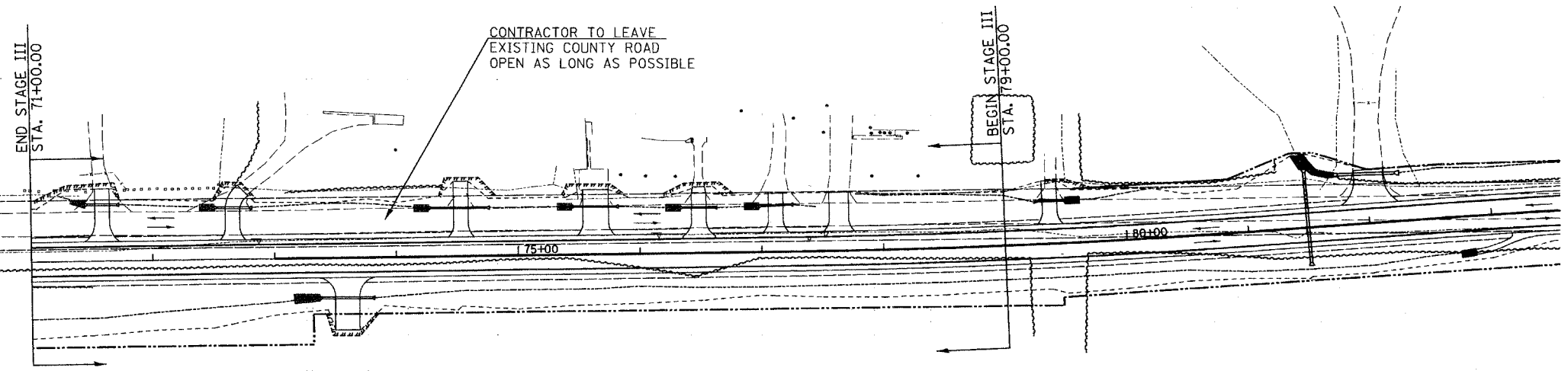
STAGE III SUMMARY

- A. CONSTRUCT ALL RIGHT SIDE IMPROVEMENTS FROM STA. 71+00 TO STA. 79+00. ALL TRAFFIC SOUTH OF STA. 79+00 SHALL DETOUR SOUTH DURING STAGE III-A CONSTRUCTION.
- B. CONSTRUCT ALL LEFT SIDE IMPROVEMENTS FROM STA. 71+00 TO STA. 79+00. ALL TRAFFIC SOUTH OF STA. 79+00 SHALL DETOUR SOUTH FOR A MAJORITY OF STAGE III-B CONSTRUCTION. ALL ENTRANCE AND SIDE ROAD TRAFFIC IN THIS SECTION SHALL HAVE ACCESS TO THE NEW ALIGNMENT UPON COMMENCEMENT OF STAGE III-B CONSTRUCTION. AT THAT TIME, ALL TRAFFIC SOUTH OF STA. 71+00 MUST DETOUR SOUTH. THE CONTRACTOR WILL NEED TO PLACE LEFT SIDE MAINLINE PAVEMENT, LEFT-SIDE HOT-MIX ASPHALT SHOULDER, 2:1 TEMPORARY SLOPES, AND TEMPORARY AGGREGATE TO PROVIDE FOR TWO 9' TRAVEL LANES (ON THE EXISTING ROADWAY) UNTIL ALL ENTRANCES AND SIDE ROADS ARE TIED INTO THE NEW ALIGNMENT. ALL REMAINING LEFT SIDE IMPROVEMENTS MAY BE COMPLETED WHEN ALL ENTRANCES IN THE STAGE III-B CONSTRUCTION ZONE ARE TIED INTO THE NEW ALIGNMENT (FROM NORTH TO SOUTH) AND ACCESSING THE PROPOSED ALIGNMENT. ALL ENTRANCES AND SIDE ROADS ARE TO BE STAGE CONSTRUCTED TO PROVIDE FOR VEHICULAR ACCESS AT ALL TIMES.

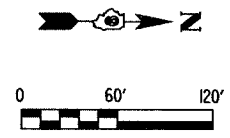


APPLICABLE IDOT STANDARDS (STAGE III)

701001	701306	BLR 17-3
701006	701311	BLR 18-4
701011		BLR 21-7
701201	701901	BLR 22-5
701301		



STAGE III CONSTRUCTION
STA. 71+00.00 TO STA. 79+00.00

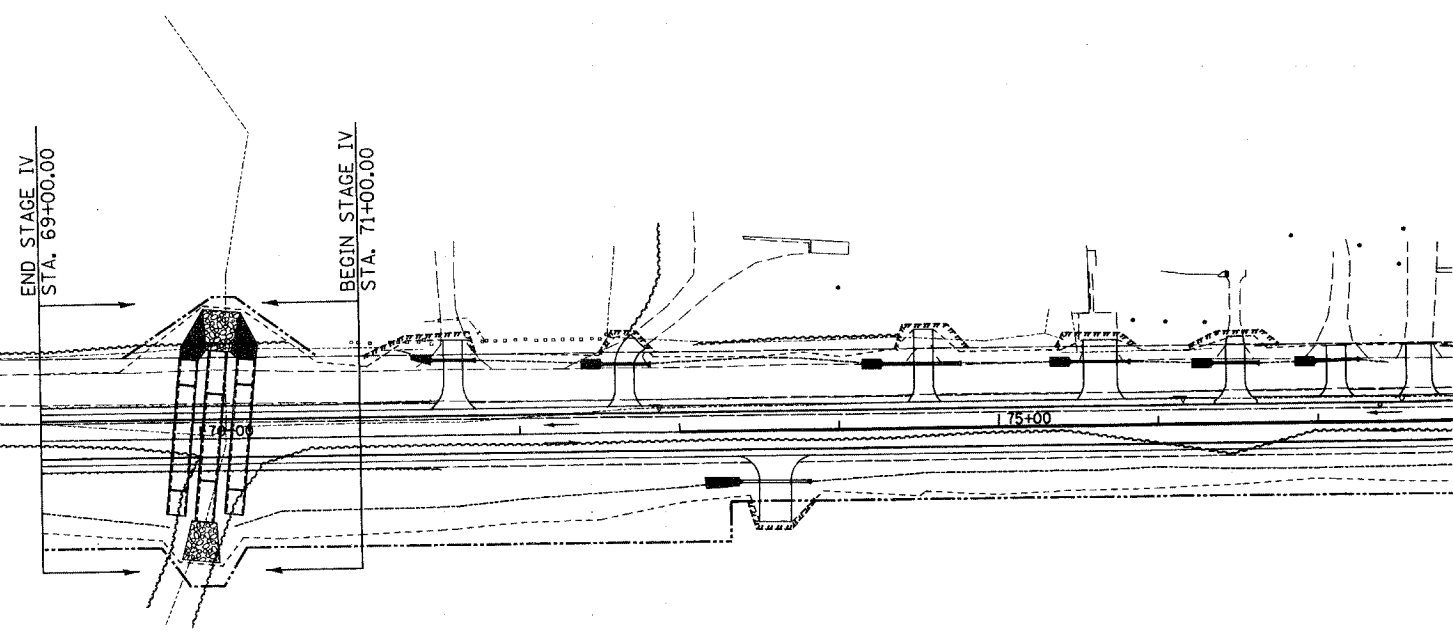


STAGE IV SUMMARY

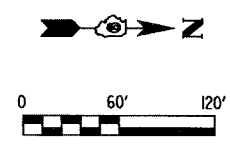
- A. CONSTRUCT ALL IMPROVEMENTS UNDER FULL ROAD CLOSURE FROM STA. 69+00 TO STA. 71+00. ALL ENTRANCE AND SIDE ROAD TRAFFIC NORTH OF STA. 71+00 WILL BE ACCESSING THE NEW ALIGNMENT AND DETOURING NORTH AND ALL ENTRANCE AND SIDE ROAD TRAFFIC SOUTH OF STA. 69+00 WILL BE ACCESSING THE OLD ALIGNMENT AND DETOURING SOUTH.

APPLICABLE IDOT STANDARDS (STAGE IV)

701306	BLR 17-3
701311	
701901	



STAGE IV CONSTRUCTION
STA. 69+00.00 TO STA. 71+00.00



TITLE
STAGE CONSTRUCTION AND TRAFFIC CONTROL PLAN

PROJECT
COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV	DATE	DESCRIPTION

DRAWN BY: B.J.G.	SHEET
DESIGNED BY: B.J.G.	30
CHECKED BY: S.K.	OF 113 SHEETS
APPROVED BY:	PROJECT DESCRIPTION
PROJECT NUMBER: 120-010154	COUNTY ROAD REALIGNMENT
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

FAU ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-318-08	
IDOT CONTRACT NO.	97345	

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FAX (618) 656-4343
edwardsville@twm-inc.com

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TEL (618) 939-5050
FAX (618) 939-3938
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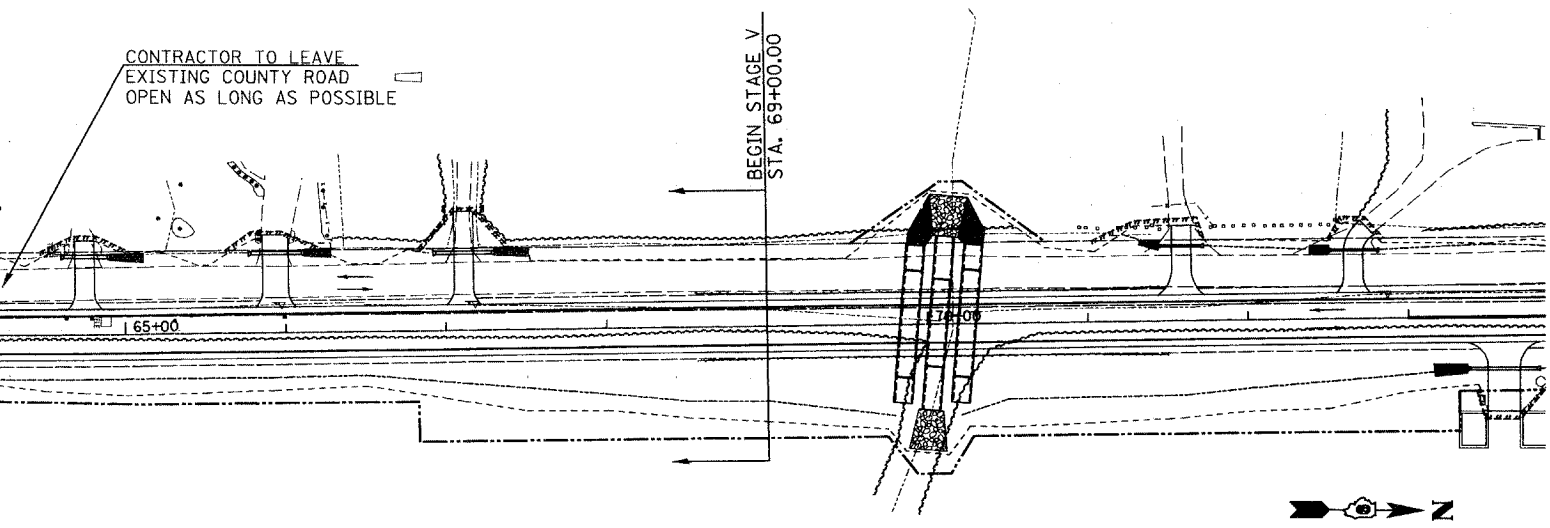
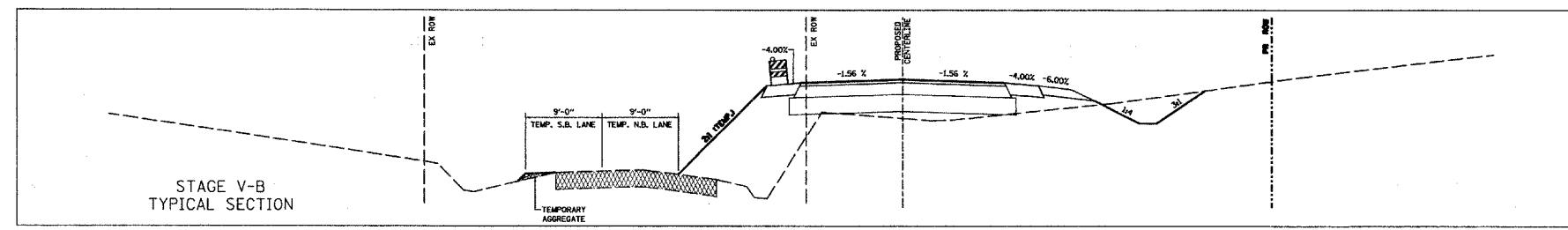
PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	MC 001528
MISSOURI LAND SURVEYING CORP.	MC 000346

Signature: _____
Signature Date: _____
Expiration Date: _____

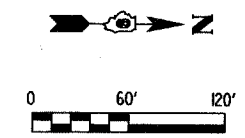
STATEMENT OF RESPONSIBILITY
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STAGE V SUMMARY

- A. CONSTRUCT ALL RIGHT SIDE IMPROVEMENTS FROM STA. 63+00 TO STA. 69+00. ALL TRAFFIC SOUTH OF STA. 69+00 SHALL DETOUR SOUTH DURING STAGE V-A CONSTRUCTION.
- B. CONSTRUCT ALL LEFT SIDE IMPROVEMENTS FROM STA. 63+00 TO STA. 69+00. ALL TRAFFIC SOUTH OF STA. 69+00 SHALL DETOUR SOUTH FOR A MAJORITY OF STAGE V-B CONSTRUCTION. ALL ENTRANCE AND SIDE ROAD TRAFFIC IN THIS SECTION SHALL HAVE ACCESS TO THE NEW ALIGNMENT UPON COMMENCEMENT OF STAGE V-B CONSTRUCTION. AT THAT TIME, ALL TRAFFIC SOUTH OF STA. 63+00 MUST DETOUR SOUTH. THE CONTRACTOR WILL NEED TO PLACE LEFT SIDE MAINLINE PAVEMENT, LEFT-SIDE HOT-MIX ASPHALT SHOULDER, 2:1 TEMPORARY SLOPES, AND TEMPORARY AGGREGATE TO PROVIDE FOR TWO 9' TRAVEL LANES (ON THE EXISTING ROADWAY) UNTIL ALL ENTRANCES AND SIDE ROADS ARE TIED INTO THE NEW ALIGNMENT. ALL REMAINING LEFT SIDE IMPROVEMENTS MAY BE COMPLETED WHEN ALL ENTRANCES IN THE STAGE V-B CONSTRUCTION ZONE ARE TIED INTO THE NEW ALIGNMENT (FROM NORTH TO SOUTH) AND ACCESSING THE PROPOSED ALIGNMENT. ALL ENTRANCES AND SIDE ROADS ARE TO BE STAGE CONSTRUCTED TO PROVIDE FOR VEHICULAR ACCESS AT ALL TIMES.



STAGE V CONSTRUCTION
STA. 63+00.00 TO STA. 69+00.00

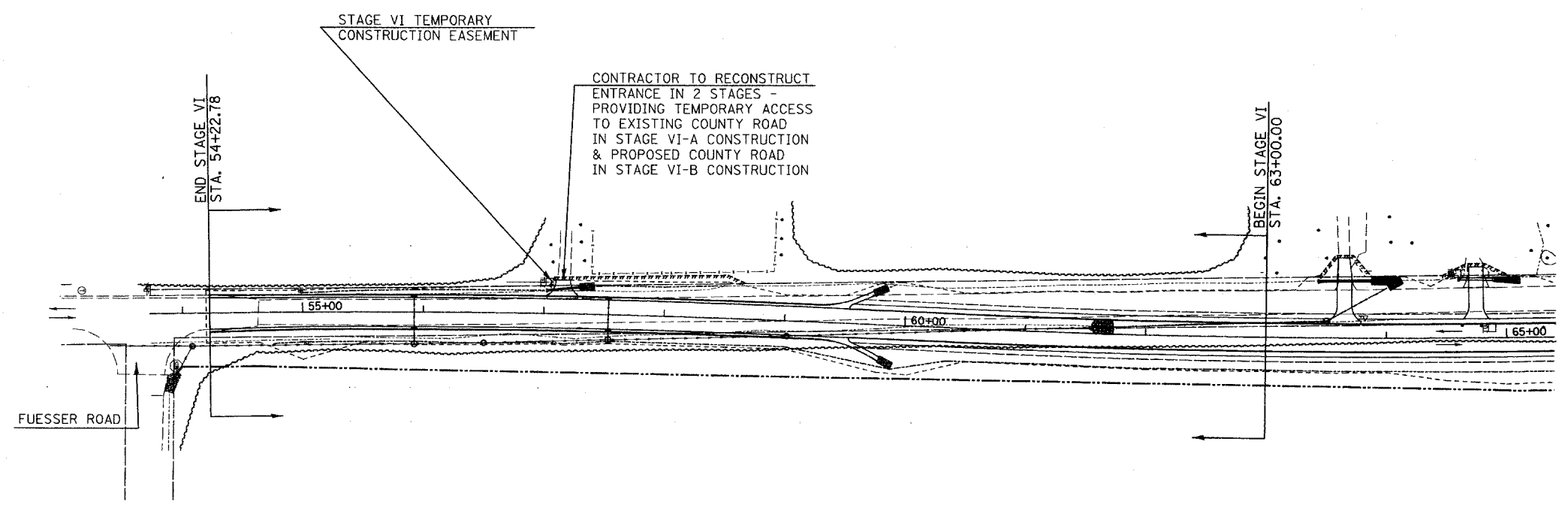


APPLICABLE IDOT STANDARDS (STAGE V)

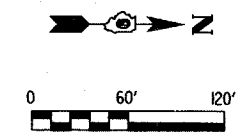
701001	701306	BLR 17-3
701006	701311	BLR 18-4
701011		BLR 21-7
701201	701901	BLR 22-5
701301		

STAGE VI SUMMARY

- A. CONSTRUCT PROPOSED PAVEMENT (LESS 2" HMA SURFACE COURSE), HMA SHOULDERS (LESS FINAL 2" COURSE), AND ALL CURB/GUTTER UNDER FULL ROAD CLOSURE FROM STA. 57+16.72 TO STA. 63+00. ALL TRAFFIC SHALL DETOUR ACCORDINGLY TO AVOID THE CONSTRUCTION ZONE BETWEEN STA. 57+16.72 TO STA. 63+00. ALL ENTRANCE AND SIDE ROAD TRAFFIC ENTERING THIS SECTION SHALL HAVE ACCESS TO THE NEW ALIGNMENT UPON COMMENCEMENT OF STAGE VI-A CONSTRUCTION (DETOURING NORTH) AND ALL ENTRANCE AND SIDE ROAD TRAFFIC SOUTH OF STA. 57+16.72 WILL DETOUR SOUTH ON THE EXISTING ALIGNMENT.
- B. CONSTRUCT PROPOSED PAVEMENT (LESS 2" HMA SURFACE COURSE), HMA SHOULDERS (LESS FINAL 2" COURSE), AND ALL CURB/GUTTER UNDER FULL ROAD CLOSURE FROM STA. 57+16.72 TO STA. 54+22.78. ALL TRAFFIC SHALL DETOUR ACCORDINGLY TO AVOID THE CONSTRUCTION ZONE BETWEEN STA. 57+16.72 TO STA. 54+22.78.
- C. APPLY MAINLINE SURFACE COURSE AND FINAL 2" LIFTS ON BOTH HOT-MIX ASPHALT SHOULDERS UNDER TRAFFIC UTILIZING IDOT STANDARD TRAFFIC CONTROL METHODS. ALL TRAFFIC IN THE STAGE VI CONSTRUCTION ZONE MAY DETOUR NORTH OR SOUTH DURING STAGE VI-C CONSTRUCTION. ALL OTHER TRAFFIC SHALL DETOUR ACCORDINGLY TO AVOID THE STAGE VI CONSTRUCTION ZONE UNTIL THE COMMENCEMENT OF STAGE VI CONSTRUCTION.
- D. COMPLETE ALL REMAINING IMPROVEMENTS IN THE STAGE VI CONSTRUCTION ZONE UNDER TRAFFIC UTILIZING IDOT STANDARD TRAFFIC CONTROL METHODS. ALL TRAFFIC IN THE STAGE VI CONSTRUCTION ZONE MAY DETOUR NORTH OR SOUTH DURING STAGE VI-D CONSTRUCTION. ALL OTHER TRAFFIC SHALL DETOUR ACCORDINGLY TO AVOID THE STAGE VI CONSTRUCTION ZONE UNTIL THE COMMENCEMENT OF STAGE VI CONSTRUCTION. ALL ENTRANCE AND SIDE ROAD TRAFFIC SHALL HAVE FULL ACCESS (NORTH OR SOUTH) UPON COMMENCEMENT OF STAGE VI CONSTRUCTION.



STAGE VI CONSTRUCTION
STA. 54+22.78 TO STA. 63+00.00



APPLICABLE IDOT STANDARDS (STAGE VI)

701306	BLR 17-3
701311	
701501	
701901	

TITLE
STAGE CONSTRUCTION AND TRAFFIC CONTROL PLAN

PROJECT:
COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV	DATE	DESCRIPTION

DRAWN BY: BJC	SHEET 31
DESIGNED BY: BJC	OF 113 SHEETS
CHECKED BY: S.K.	PROJECT DESCRIPTION: COUNTY ROAD REALIGNMENT
APPROVED BY: _____	PROJECT NUMBER: 120-010154

ISSUED FOR REVIEW ISSUED FOR BIDDING
 ISSUED FOR CONSTR. RECORD DRAWING

FAU ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO. C-98-318-08		
IDOT CONTRACT NO. 97345		

THOUVENOT, WADE & MOERCHEN, INC.
ENGINEERS ♦ SURVEYORS ♦ PLANNERS



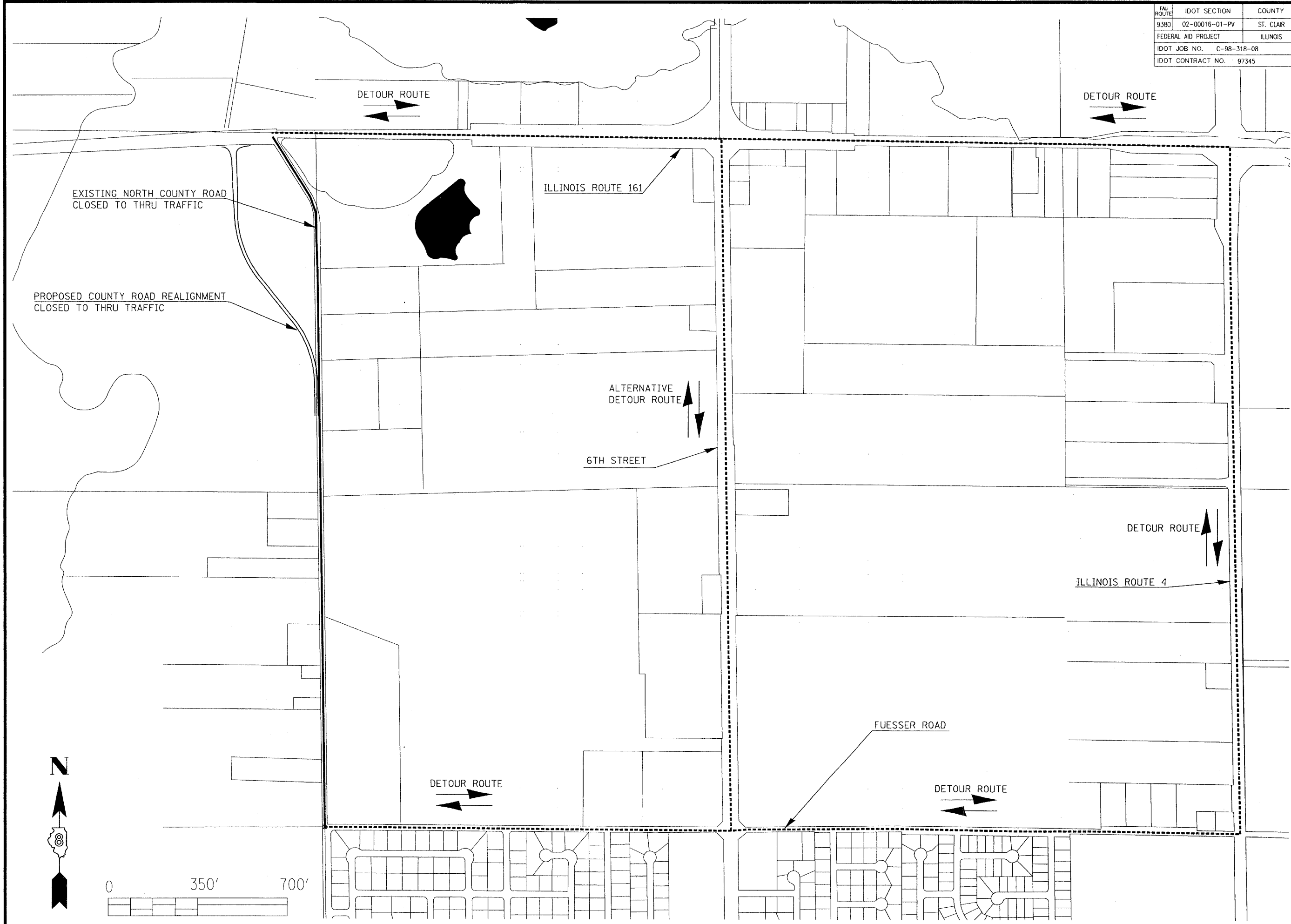
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TITLE
DETOUR ROUTE

PROJECT:
COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY:	MLS	SHEET
DESIGNED BY:	MLS	32
CHECKED BY:	SJK	OF 113 SHEETS
APPROVED BY:		PROJECT DESCRIPTION
PROJECT NUMBER: 20-010154		COUNTY ROAD REALIGNMENT
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING	
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> REDFOR DRAWING	

FAU ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO.		C-98-318-08
IDOT CONTRACT NO.		97345

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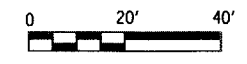
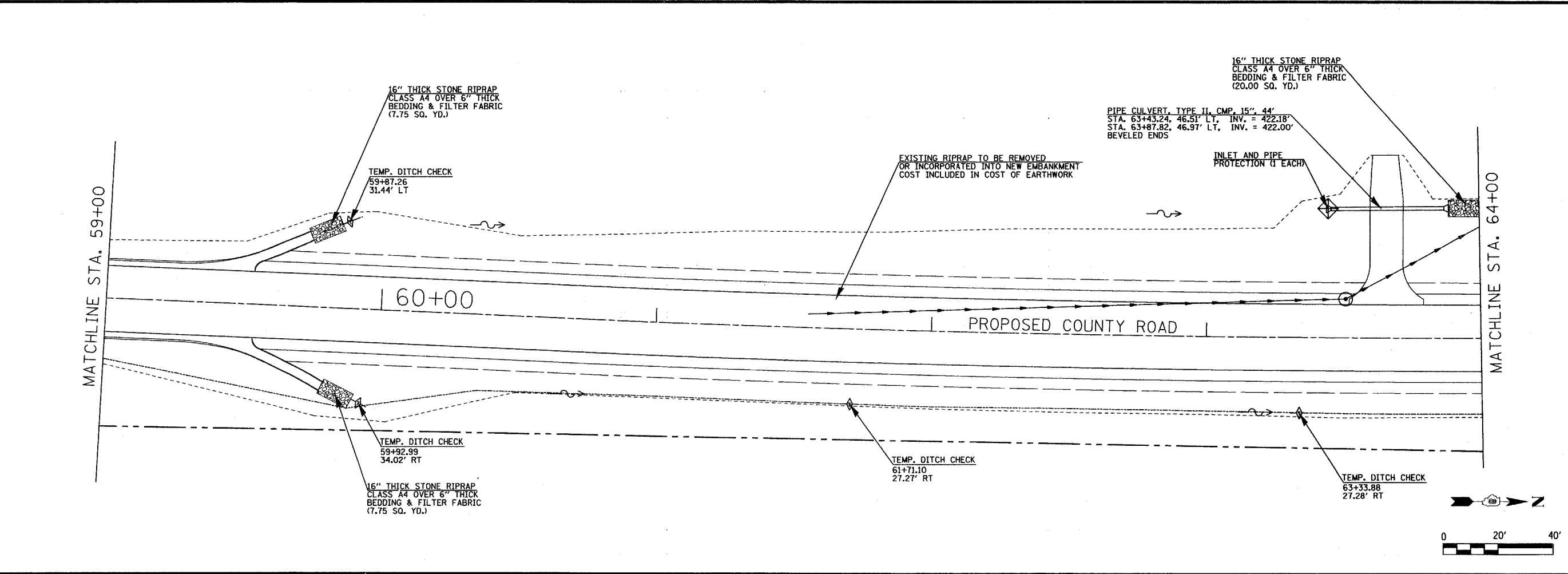
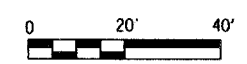
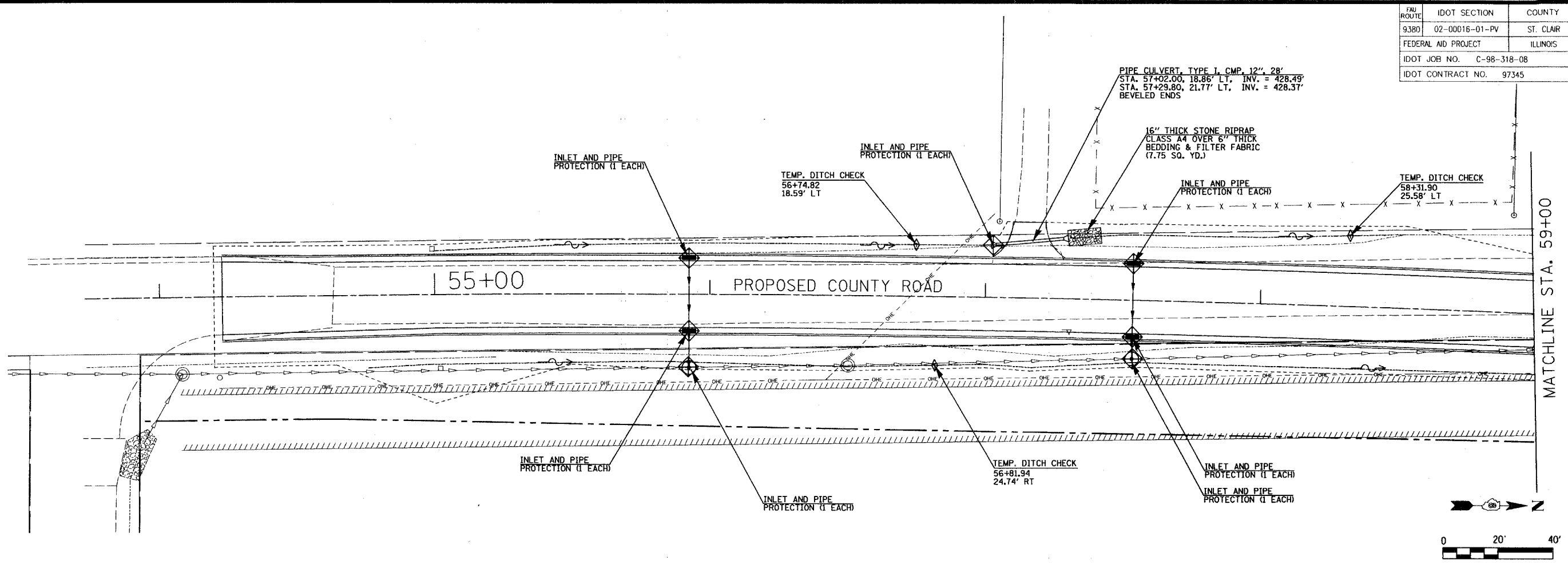
- CORPORATE OFFICE**
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TEL (618) 624-4488
FAX (618) 624-6688
corp@twm-inc.com
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- ST. LOUIS OFFICE**
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- WATERLOO OFFICE**
113 SOUTH MAIN STREET
WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	MC 001528
MISSOURI LAND SURVEYING CORP.	MC 000346

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Signature: _____
Signature Date: _____
Expiration Date: _____

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TITLE
PIPE CULVERTS AND EROSION CONTROL STA. 54+00 TO STA. 64+00

PROJECT
COUNTY ROAD RECONSTRUCTION - PHASE II CITY OF MASCOUATAH ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JWS	SHEET 33 OF 113 SHEETS
DESIGNED BY: JWS	
CHECKED BY: SJK	PROJECT DESCRIPTION COUNTY ROAD REALIGNMENT
APPROVED BY: _____	
PROJECT NUMBER: 20-010154	
<input type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

F&W ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-318-08	
IDOT CONTRACT NO.	97345	

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PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-00120
PROFESSIONAL ENGINEERING CORP.	62-03570
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

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Signature: _____ Date: _____
Expiration Date: _____

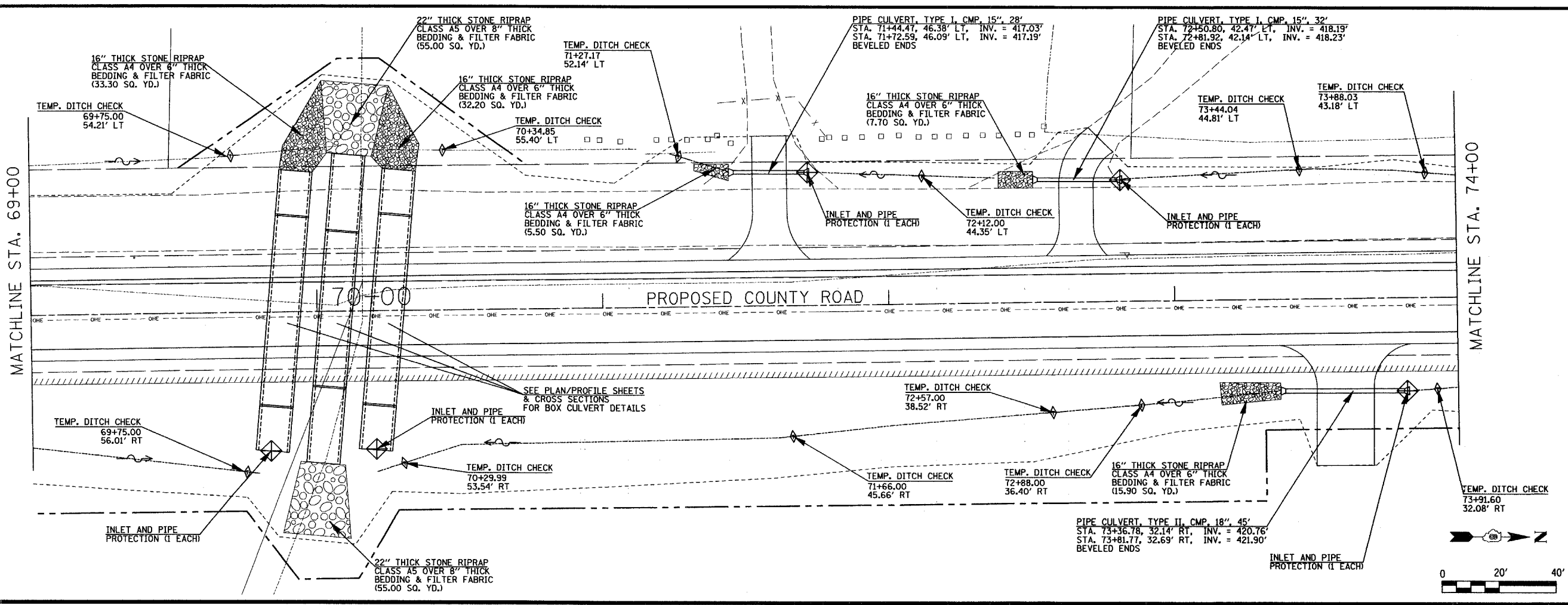
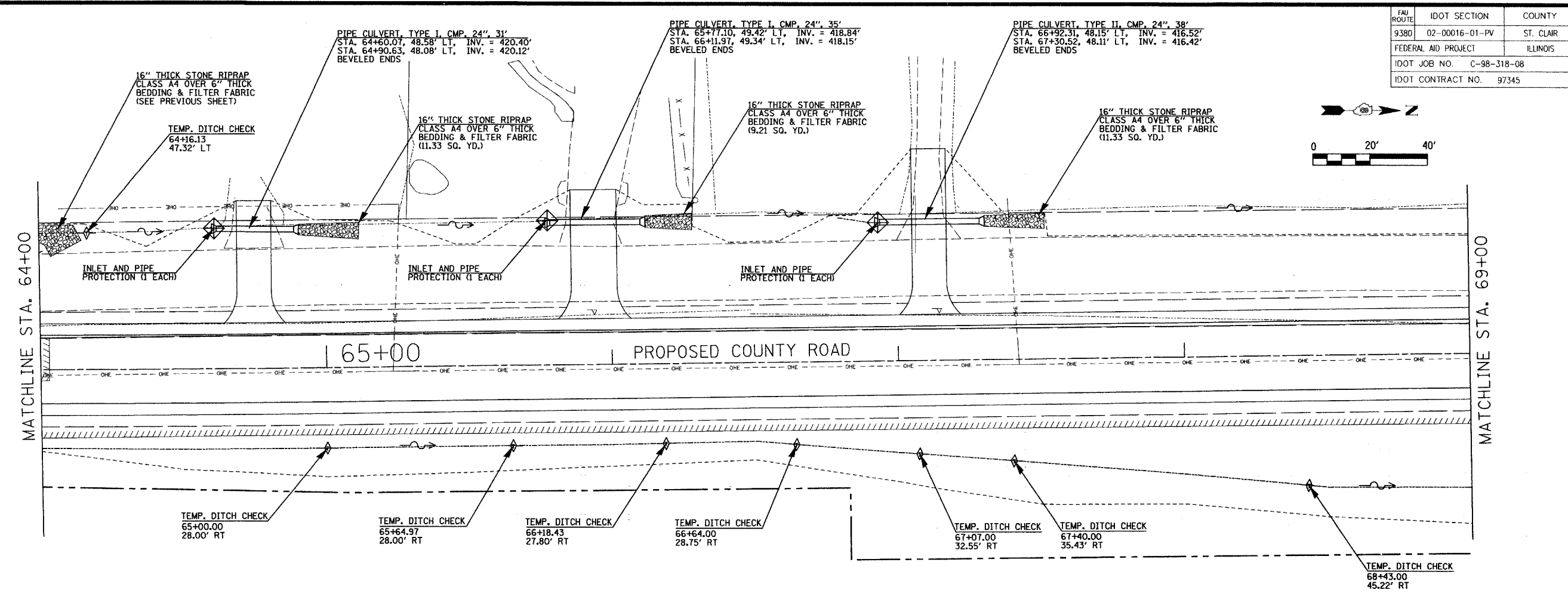
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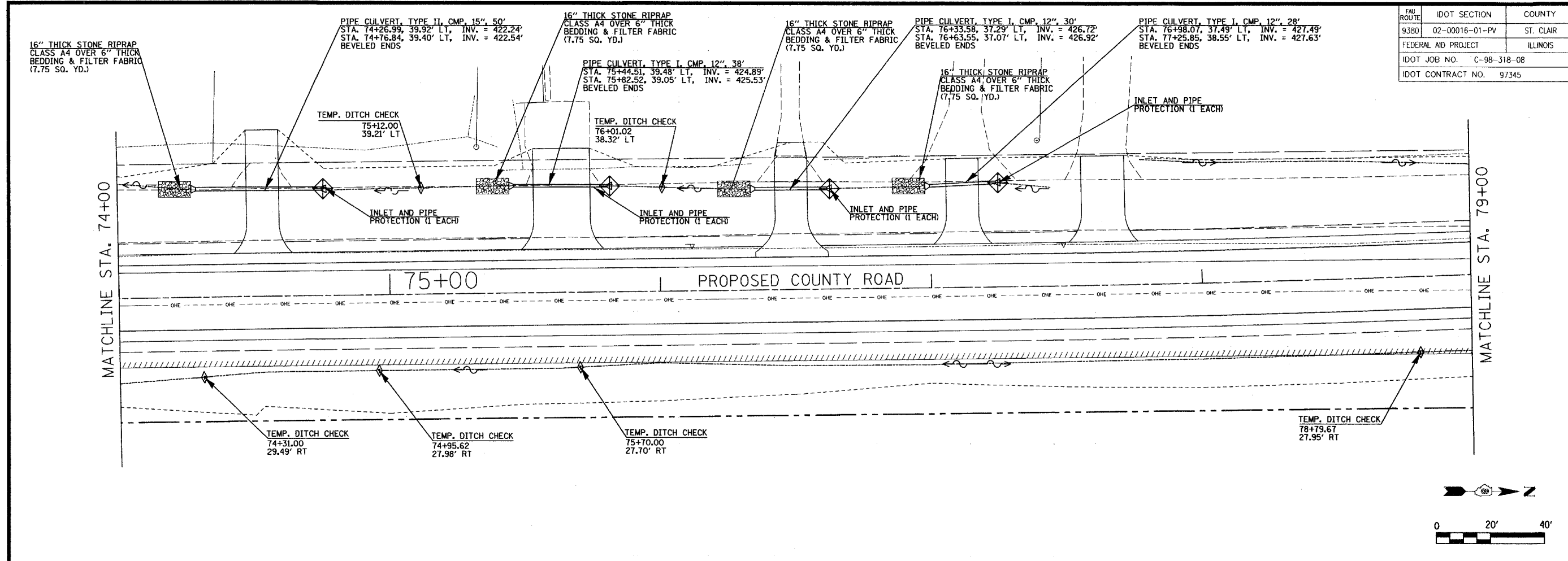
TITLE
PIPE CULVERTS AND EROSION CONTROL STA. 64+00 TO STA. 74+00

PROJECT
COUNTY ROAD RECONSTRUCTION - PHASE II CITY OF MASCOUTAH ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION

DRAWN BY: JWS	SHEET 34
DESIGNED BY: JWS	OF 113 SHEETS
CHECKED BY: S.K.	PROJECT DESCRIPTION: COUNTY ROAD REALIGNMENT
APPROVED BY:	PROJECT NUMBER: 120-010154
<input checked="" type="checkbox"/> ISSUED FOR REVIEW <input type="checkbox"/> ISSUED FOR BIDDING <input type="checkbox"/> ISSUED FOR CONSTR. <input type="checkbox"/> RECORD DRAWING	





FAU ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-318-08	
IDOT CONTRACT NO.	97345	

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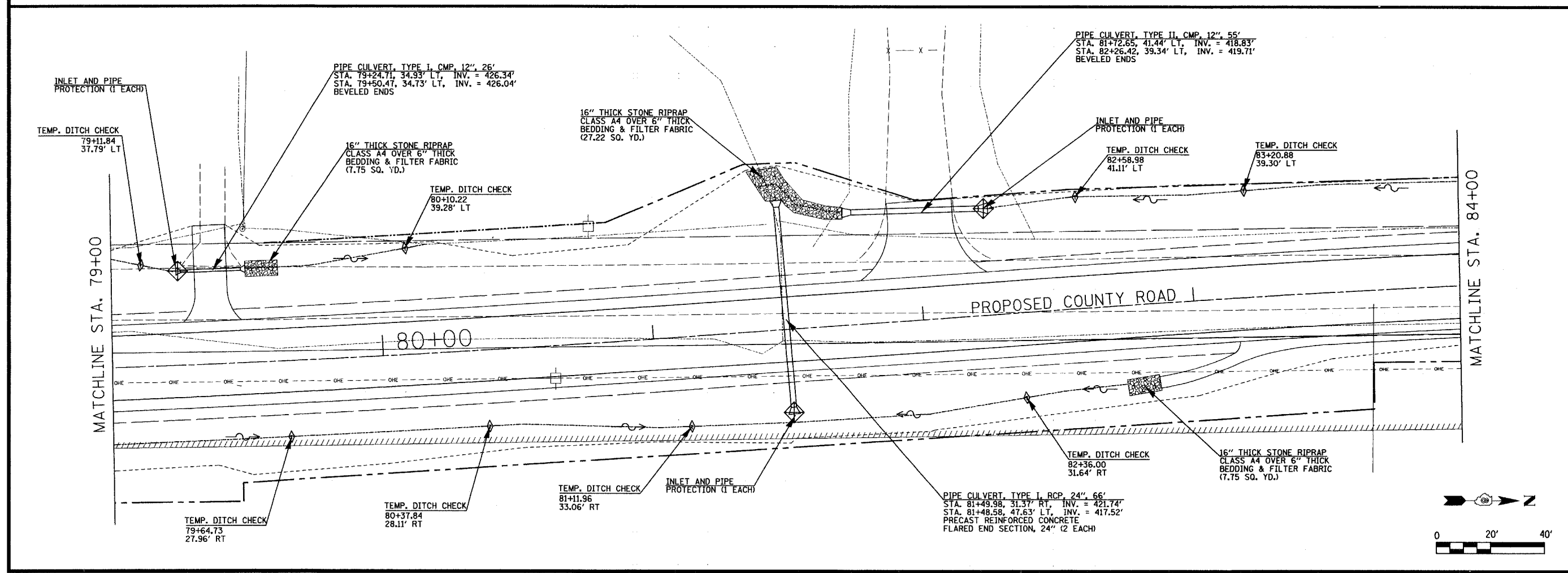
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FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
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PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

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Expiration Date: _____

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PIPE CULVERTS AND EROSION CONTROL AND CONSTRUCTION - PHASE II
STA. 74+00 TO STA. 84+00
COUNTY ROAD
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION

DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	35
CHECKED BY: S.K.	OF 113 SHEETS
APPROVED BY: _____	PROJECT DESCRIPTION
PROJECT NUMBER: 120-010154	COUNTY ROAD REALIGNMENT
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

FAU ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO.		C-98-318-08
IDOT CONTRACT NO.		97345

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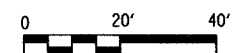
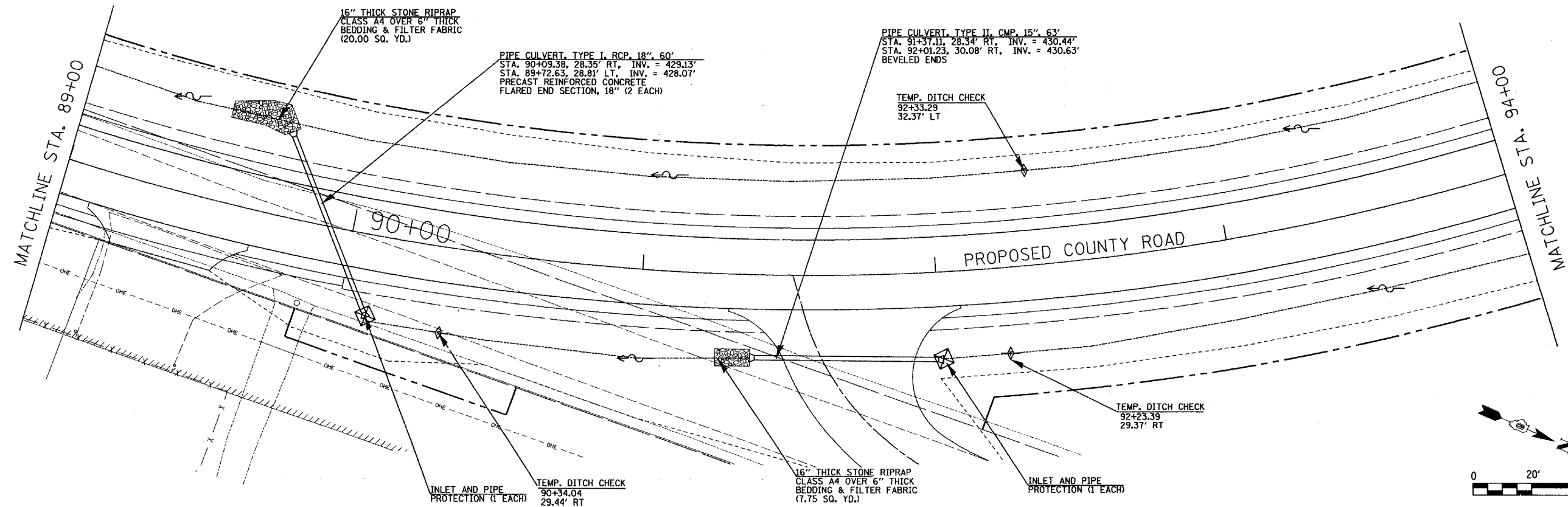
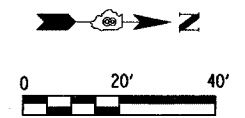
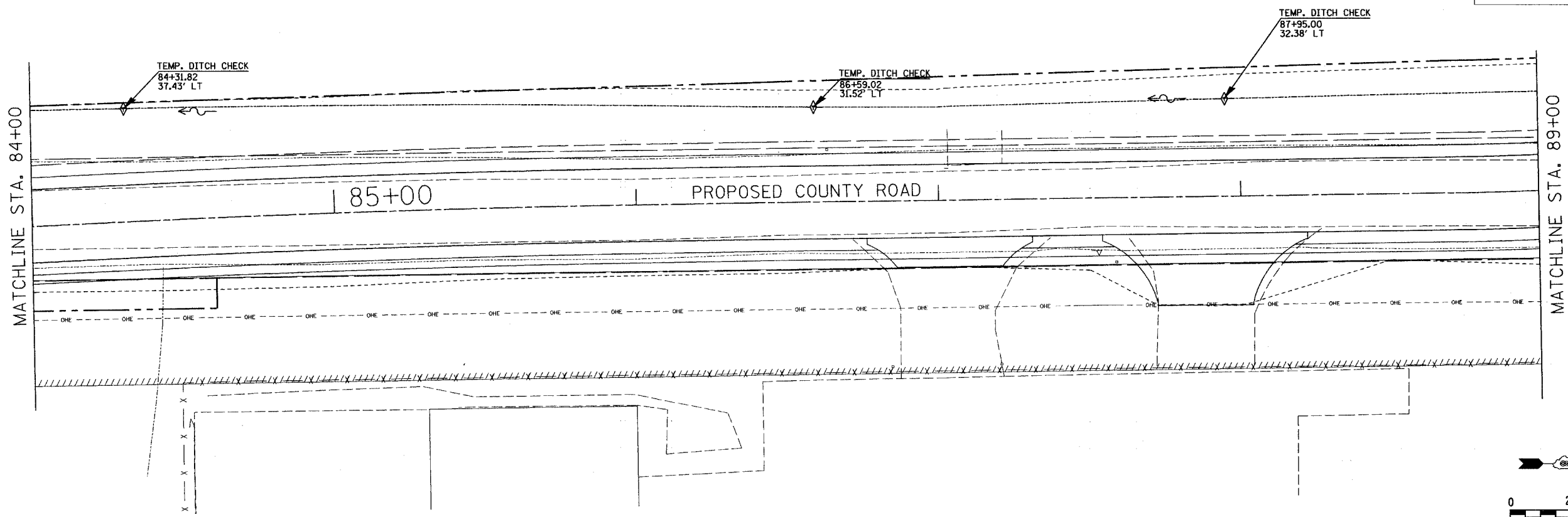
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PROFESSIONAL REGISTRATIONS	LICENSE NO.
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PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

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**PIPE CULVERTS
AND EROSION CONTROL
STA. 84+00 TO STA. 94+00**

**COUNTY ROAD
RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS**

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	36
CHECKED BY: SJK	OF 113 SHEETS
APPROVED BY:	PROJECT DESCRIPTION
PROJECT NUMBER: 20-C10154	COUNTY ROAD REALIGNMENT
<input type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

FAU ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO. C-98-318-08		
IDOT CONTRACT NO. 97345		

THOUVENOT, WADE & MOERCHEN, INC.
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waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-03370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

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Signature Date: _____
Expiration Date: _____

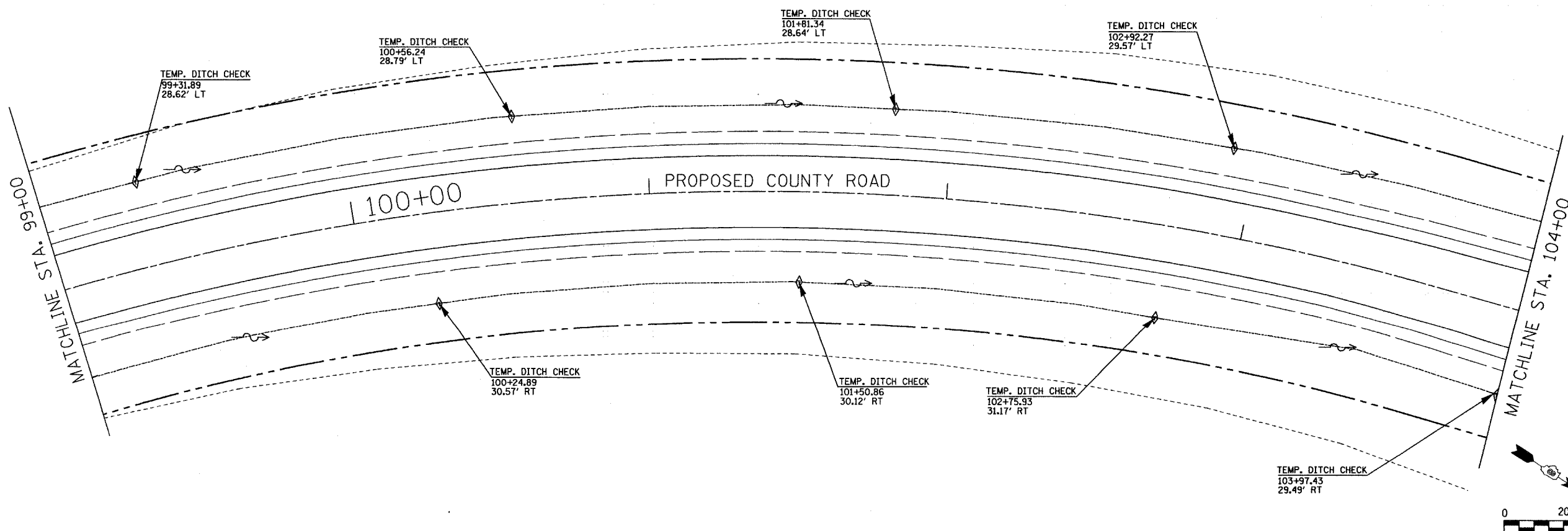
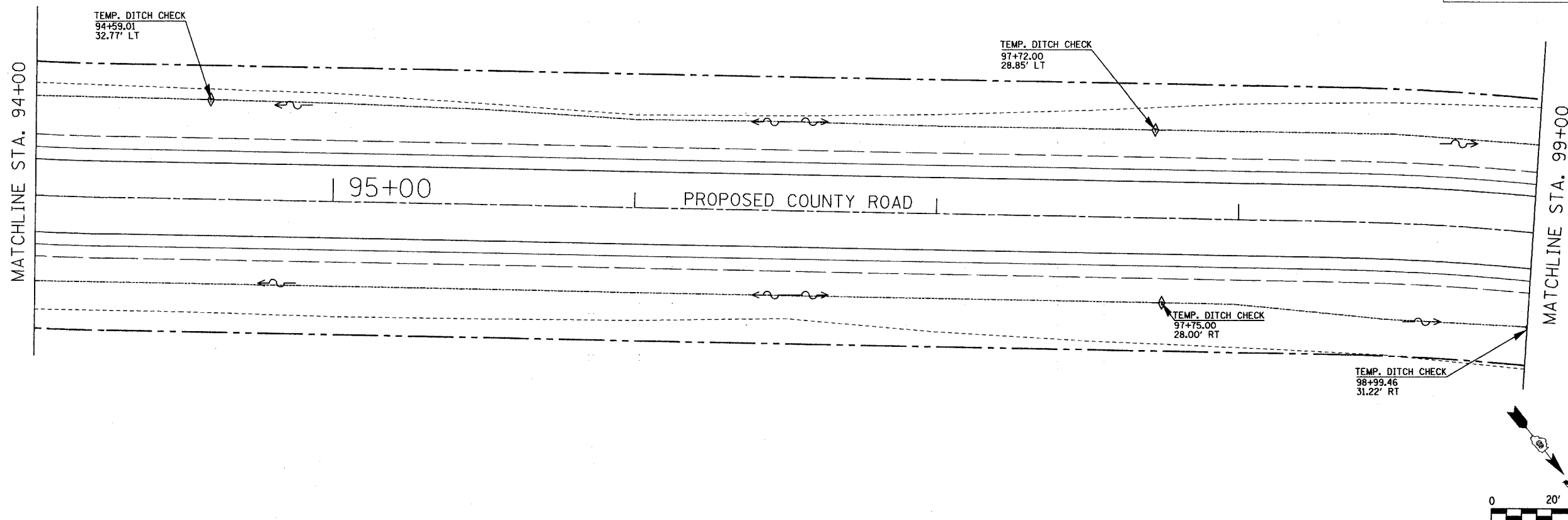
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TITLE
PIPE CULVERTS AND EROSION CONTROL STA. 94+00 TO STA. 104+00

PROJECT
COUNTY ROAD RECONSTRUCTION - PHASE II CITY OF MASCOUTAH ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION

DRAWN BY: JWS	SHEET 37
DESIGNED BY: JWS	OF 113 SHEETS
CHECKED BY: SJK	PROJECT DESCRIPTION: COUNTY ROAD REALIGNMENT
APPROVED BY: _____	PROJECT NUMBER: 120-010154
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



FAU ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO.	C-98-318-08	
IDOT CONTRACT NO.	97345	

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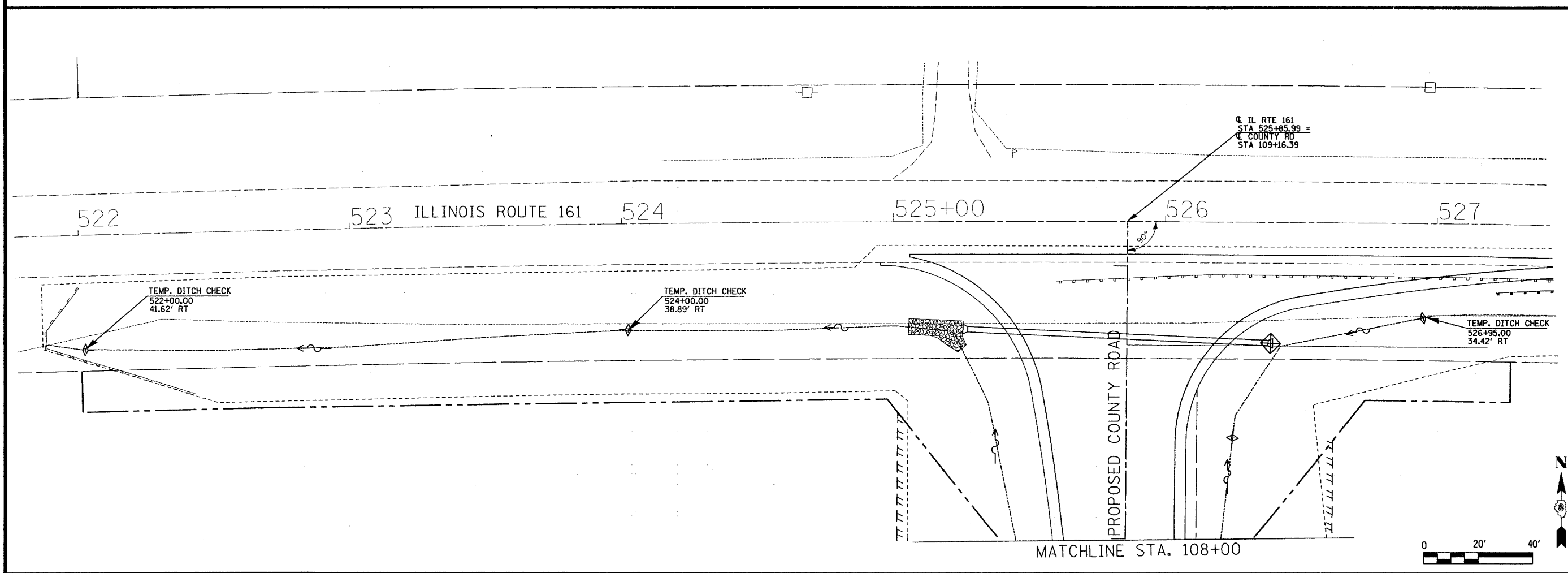
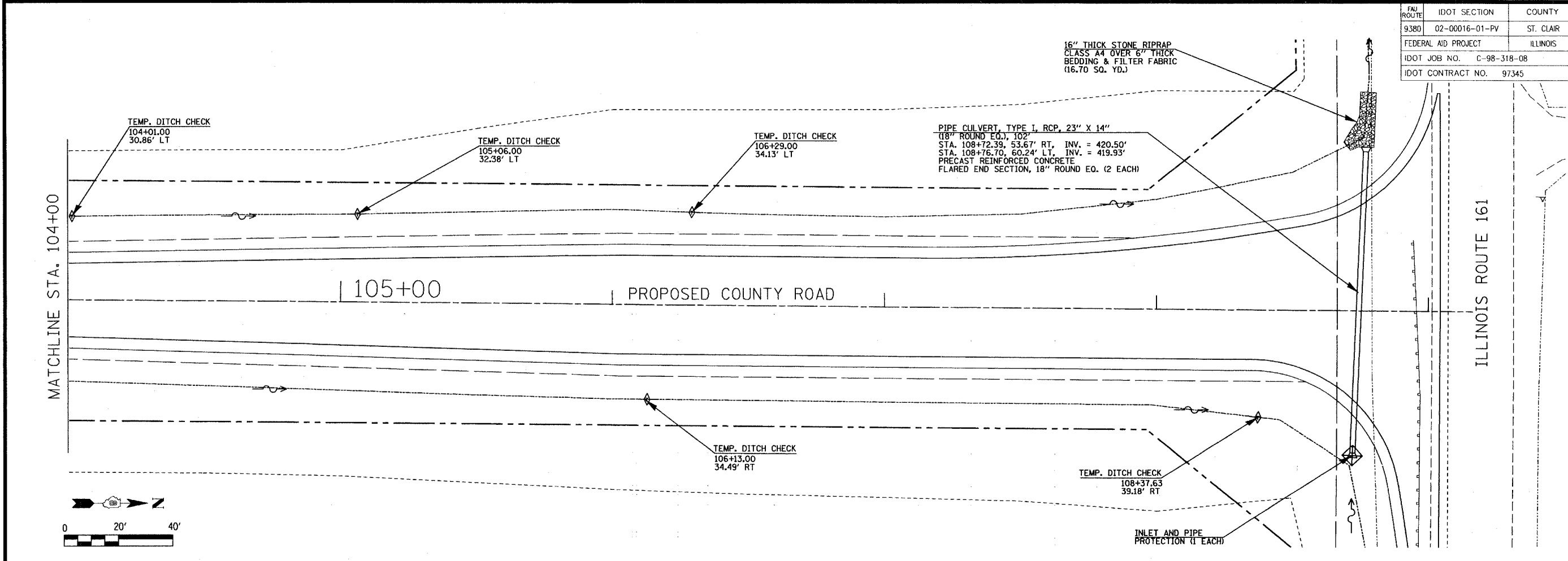
- CORPORATE OFFICE**
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PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	MC 001528
MISSOURI LAND SURVEYING CORP.	MC 000346

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PIPE CULVERTS AND EROSION CONTROL
STA. 104+00 TO STA. 109+00

COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUATAH
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION

DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	38
CHECKED BY: S.K.	OF 113 SHEETS
APPROVED BY: _____	PROJECT DESCRIPTION
PROJECT NUMBER: 20-010'54	COUNTY ROAD REALIGNMENT
<input type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

FAU ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO. C-98-318-08		
IDOT CONTRACT NO. 97345		

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FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
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PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	MC 001528
MISSOURI LAND SURVEYING CORP.	MC 000346

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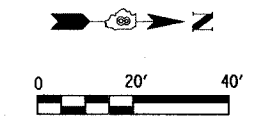
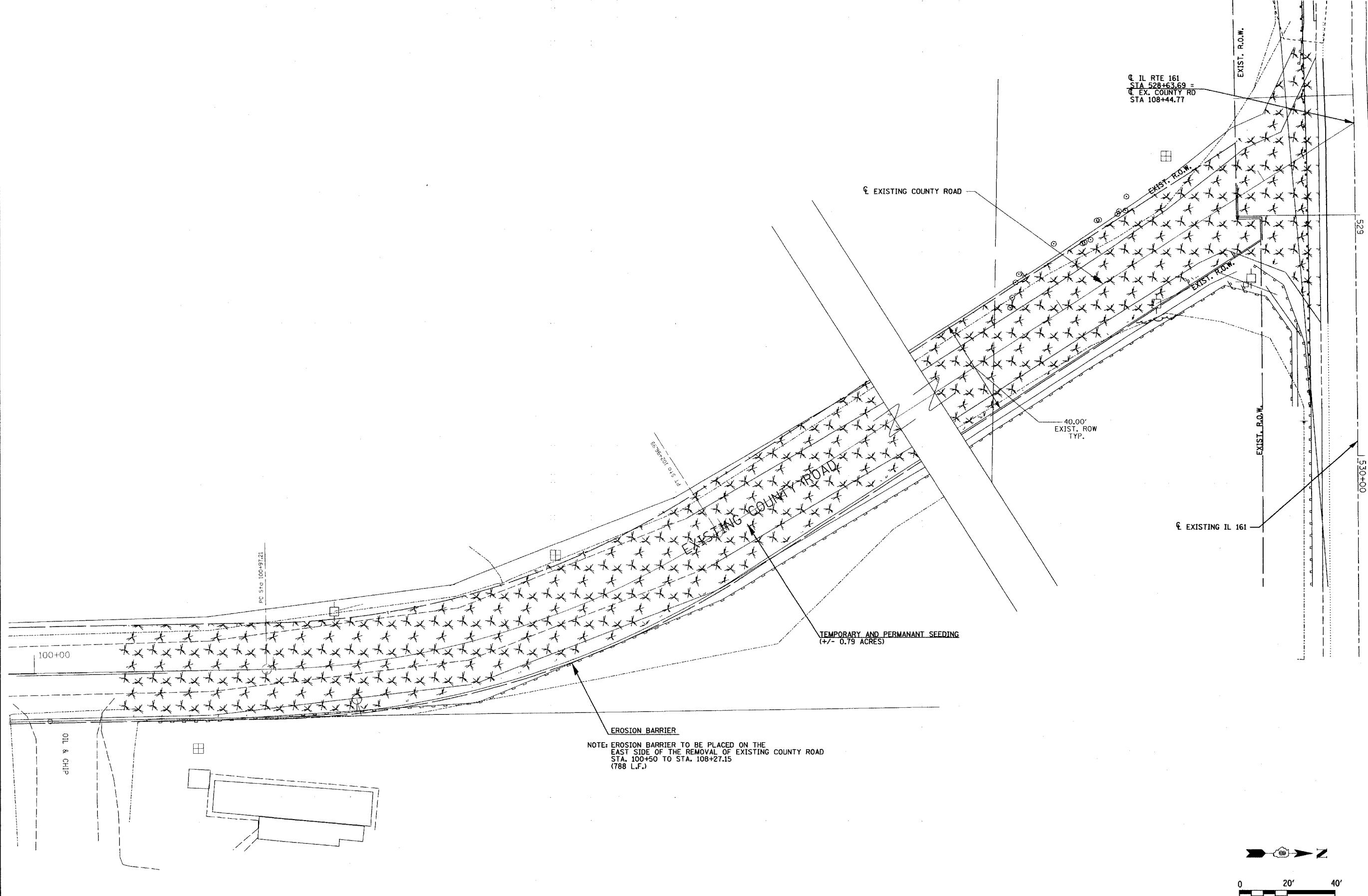
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Expiration Date: _____

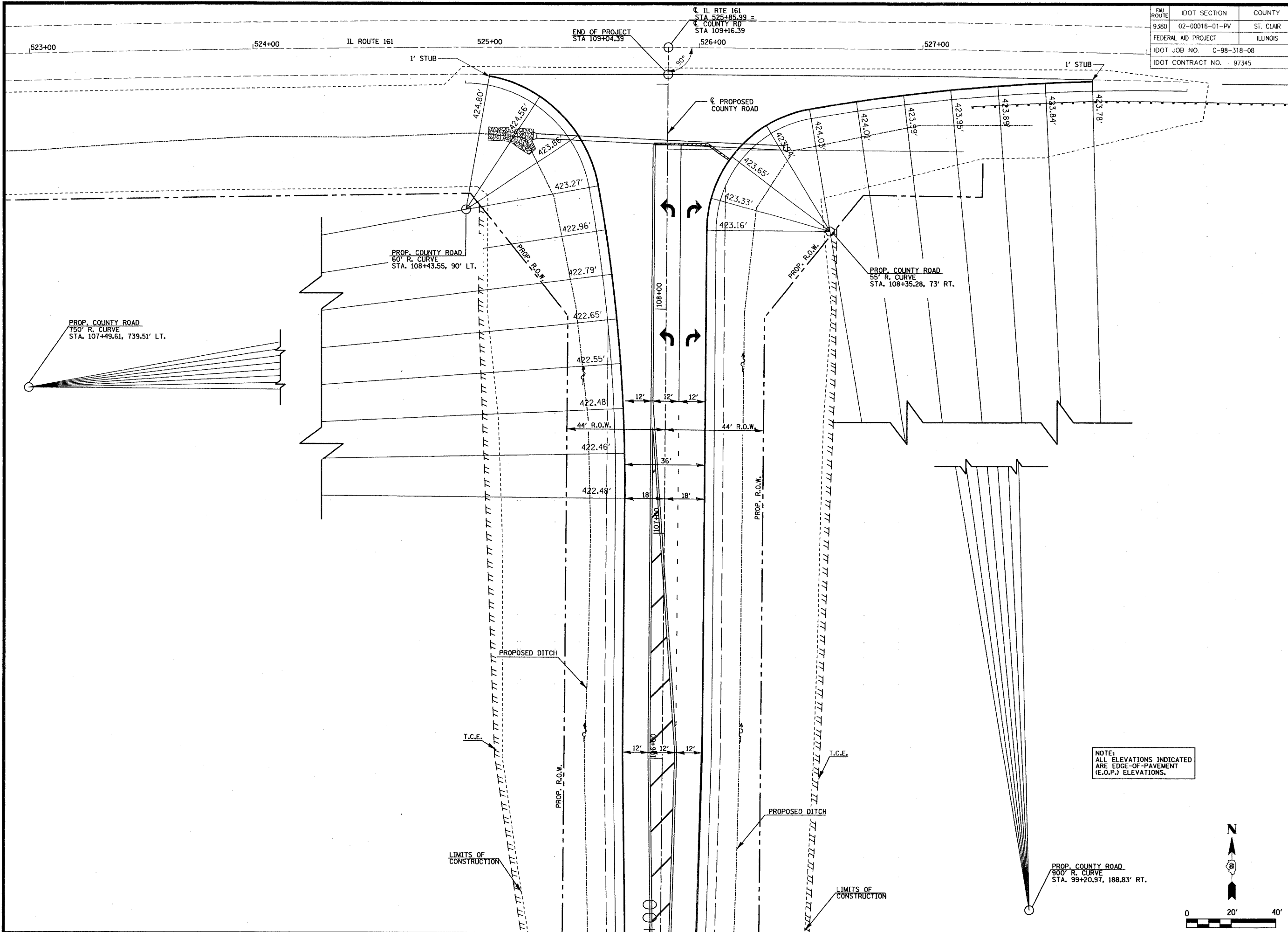
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TITLE: PIPE CULVERTS AND EROSION CONTROL EX. STA. 100+50 TO STA. 108+50
PROJECT: COUNTY ROAD RECONSTRUCTION - PHASE II CITY OF MASCOUTAH ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	39
CHECKED BY: SJK	OF 113 SHEETS
APPROVED BY: _____	PROJECT DESCRIPTION
PROJECT NUMBER: 120-010154	COUNTY ROAD REALIGNMENT
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING





FAU ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO. C-98-318-08		
IDOT CONTRACT NO. 97345		

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PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
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PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
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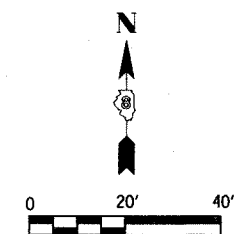
COUNTY ROAD INTERSECTION DETAILS

COUNTY ROAD RECONSTRUCTION - PHASE II
 CITY OF MASCOUTAH
 ST. CLAIR COUNTY, ILLINOIS

NOTE:
 ALL ELEVATIONS INDICATED ARE EDGE-OF-PAVEMENT (E.O.P.) ELEVATIONS.

REV.	DATE	DESCRIPTION
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DRAWN BY: NSA	SHEET
DESIGNED BY: BJC	40
CHECKED BY: SJK	OF 113 SHEETS
APPROVED BY:	PROJECT DESCRIPTION
PROJECT NUMBER: 120-010154	COUNTY ROAD REALIGNMENT
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



FAU ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO. C-98-318-08		
IDOT CONTRACT NO. 97345		

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FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-03570
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	MC 001528
MISSOURI LAND SURVEYING CORP.	MC 000346

Signature: _____
Expiration Date: _____

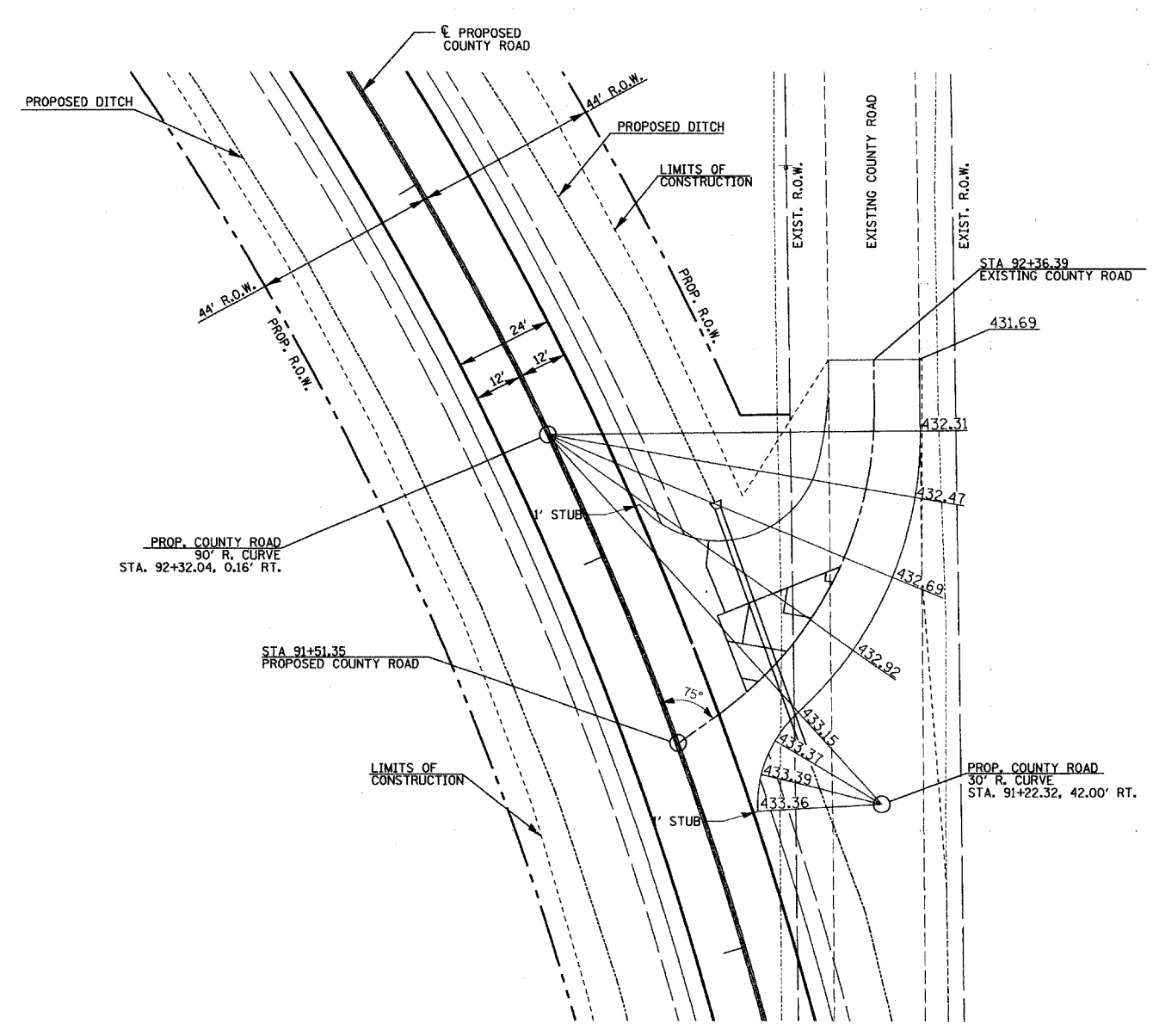
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COUNTY ROAD INTERSECTION DETAILS

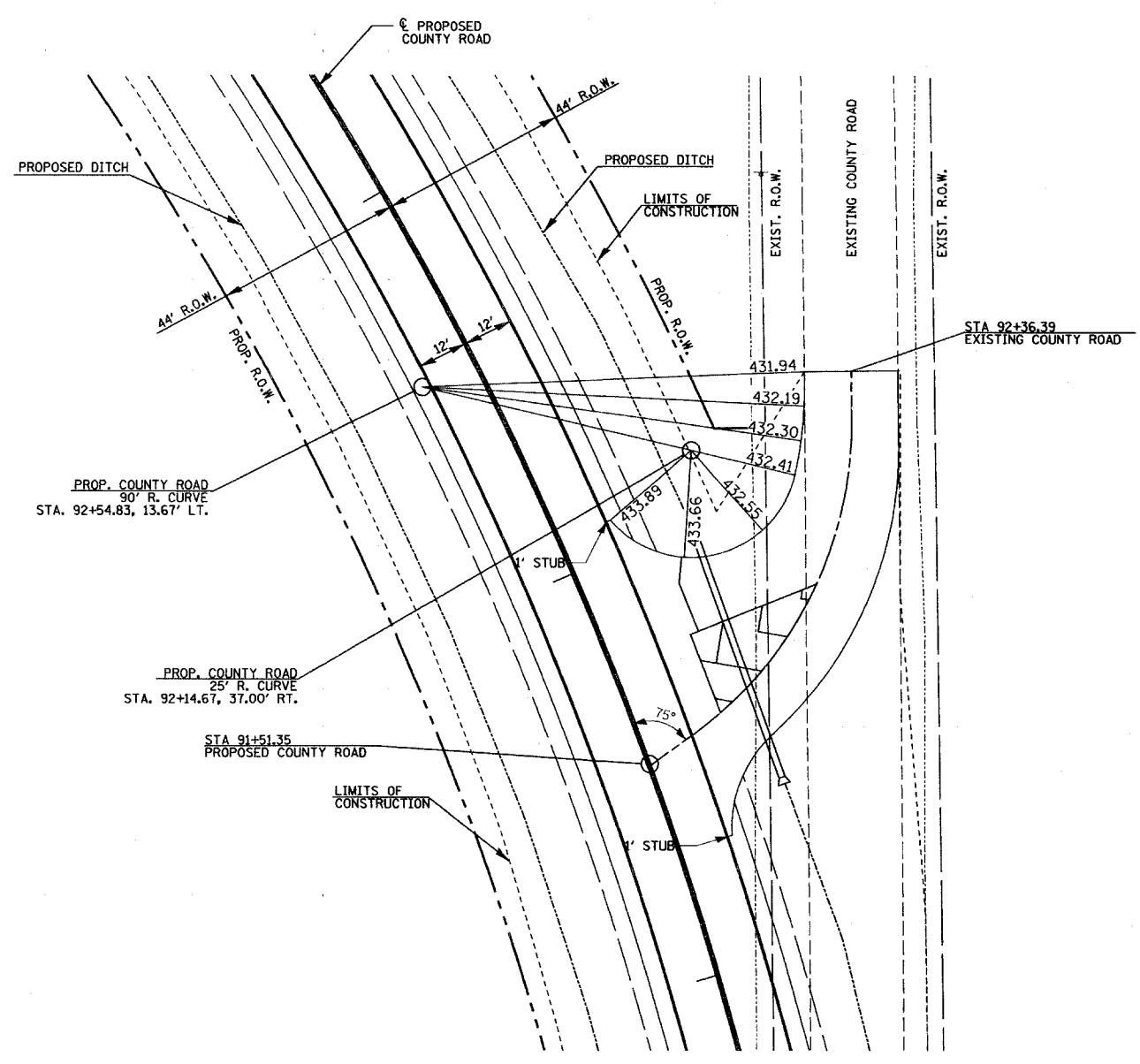
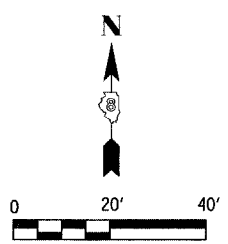
COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
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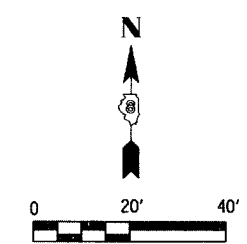
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DESIGNED BY: JWS	41
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APPROVED BY:	PROJECT DESCRIPTION
PROJECT NUMBER: 20-010-54	COUNTY ROAD REALIGNMENT
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



NOTE:
ALL ELEVATIONS INDICATED
ARE EDGE-OF-PAVEMENT
(E.O.P.) ELEVATIONS.



NOTE:
ALL ELEVATIONS INDICATED
ARE EDGE-OF-PAVEMENT
(E.O.P.) ELEVATIONS.



FAU ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO. C-98-318-08		
IDOT CONTRACT NO. 97345		

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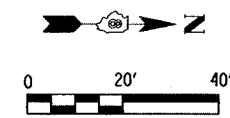
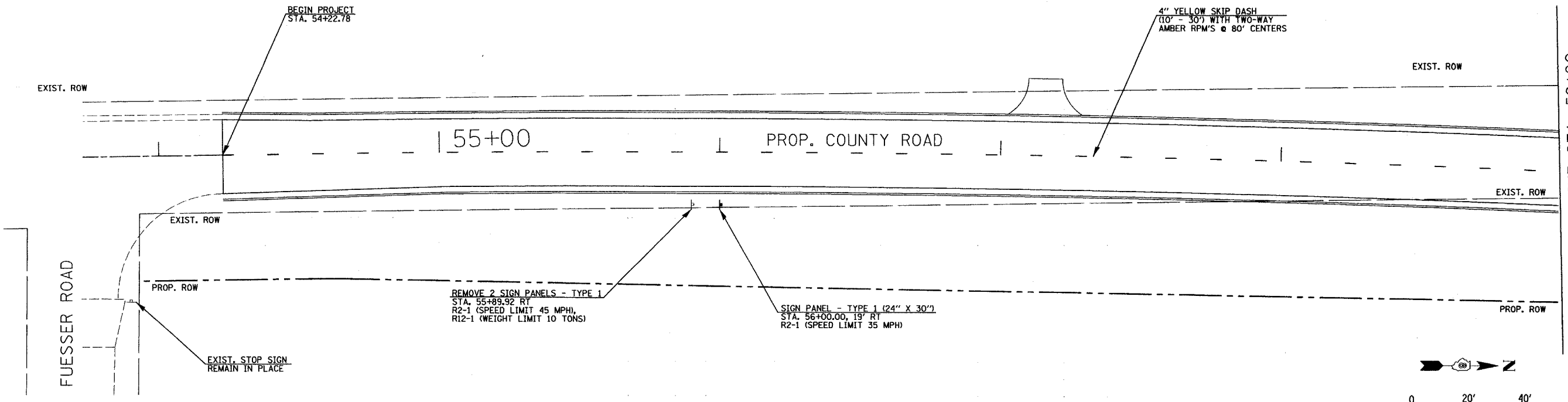
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TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-00120
PROFESSIONAL ENGINEERING CORP.	62-03370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-00502
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

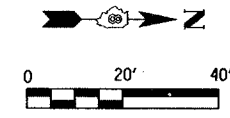
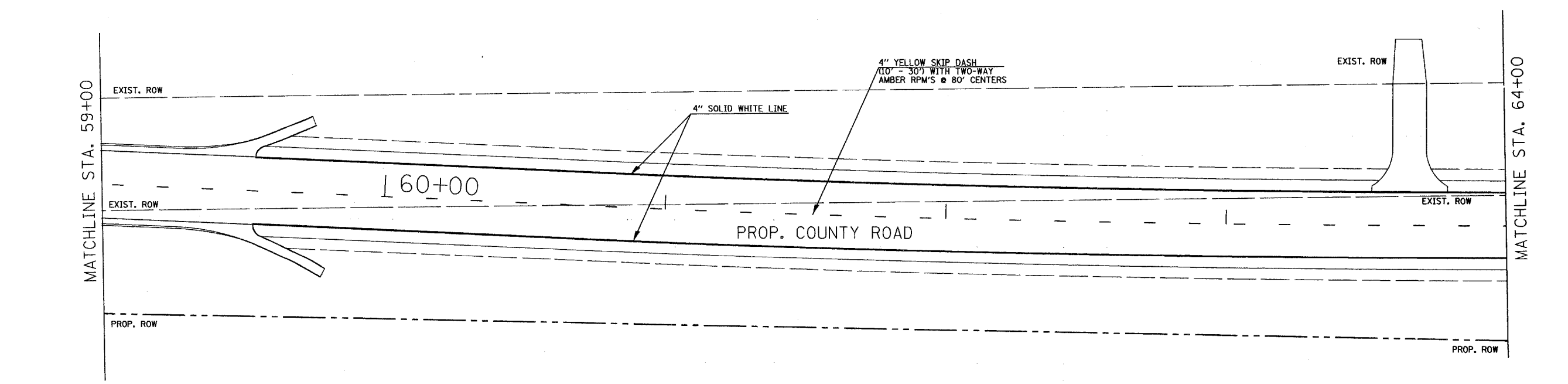
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Expiration Date: _____

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MATCHLINE STA. 59+00



MATCHLINE STA. 59+00

MATCHLINE STA. 64+00

TITLE
PAVEMENT MARKING AND SIGNAGE PLANS STA. 54+22.78 TO 64+00

PROJECT
COUNTY ROAD RECONSTRUCTION - PHASE II CITY OF MASCOUTAH ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
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△		
△		

DRAWN BY: M.S.	SHEET 42
DESIGNED BY: M.S.	OF 113 SHEETS
CHECKED BY: S.K.	
APPROVED BY:	PROJECT DESCRIPTION: COUNTY ROAD REALIGNMENT
PROJECT NUMBER: 120-010154	
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

FAJ ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO.		C-98-318-08
IDOT CONTRACT NO.		97345

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TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001229
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

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Signature: _____
Signature Date: _____
Expiration Date: _____

STATEMENT OF RESPONSIBILITY

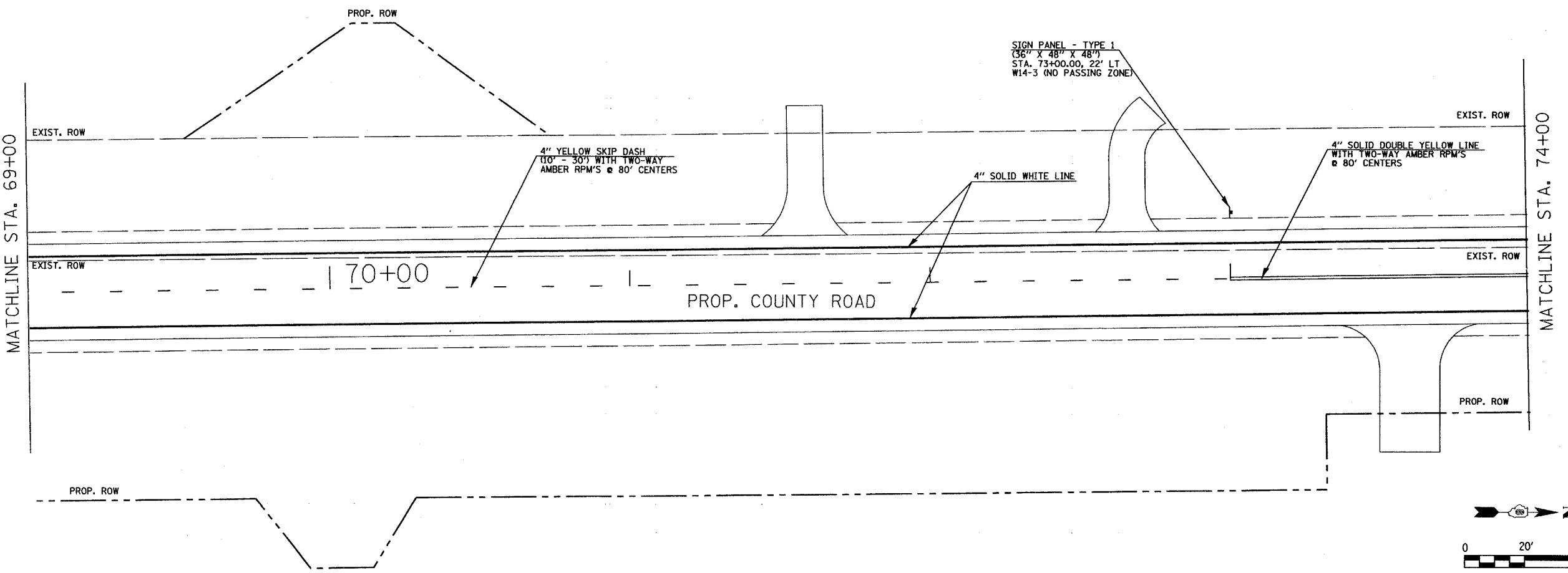
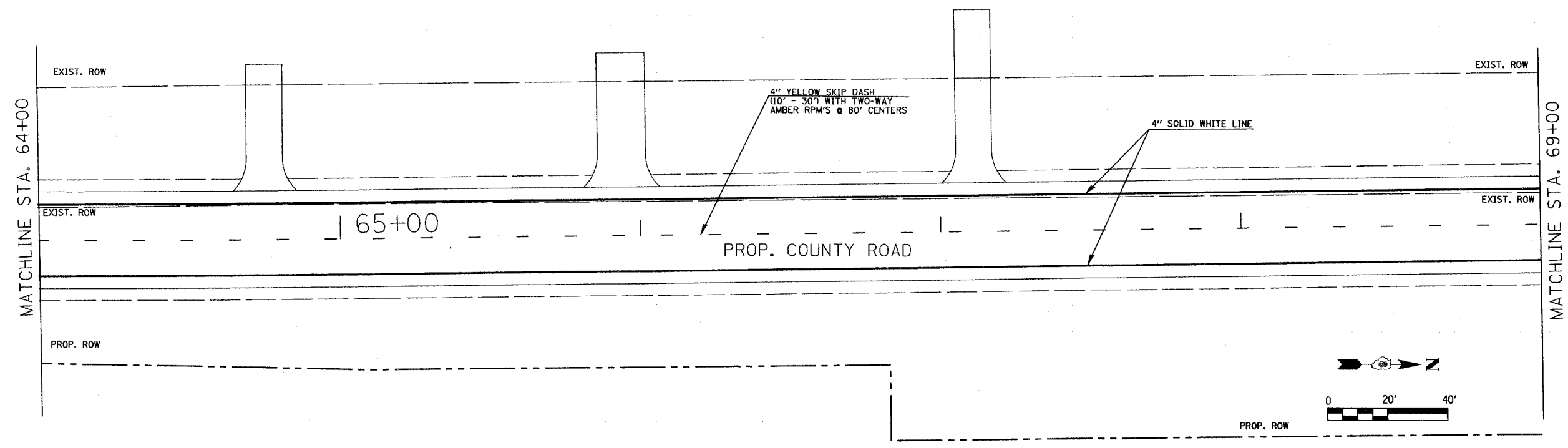
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TITLE
PAVEMENT MARKING
AND SIGNAGE PLANS
STA. 64+00 TO 74+00

PROJECT:
COUNTY ROAD
RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
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△		
△		

DRAWN BY:	M.S.	SHEET
DESIGNED BY:	M.S.	43
CHECKED BY:	S.K.	OF 113 SHEETS
APPROVED BY:		PROJECT DESCRIPTION
PROJECT NUMBER:	20-010154	COUNTY ROAD REALIGNMENT
<input type="checkbox"/> ISSUED FOR REVIEW		<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.		<input type="checkbox"/> RECORD DRAWING



FAU ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO. C-98-318-08		
IDOT CONTRACT NO. 97345		

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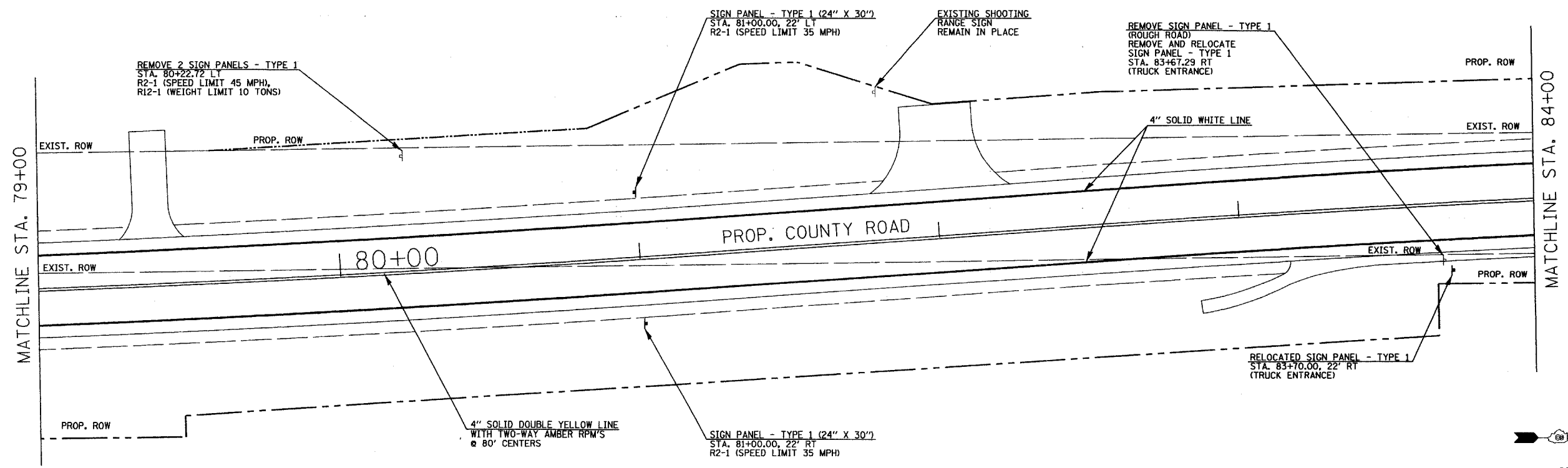
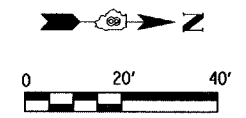
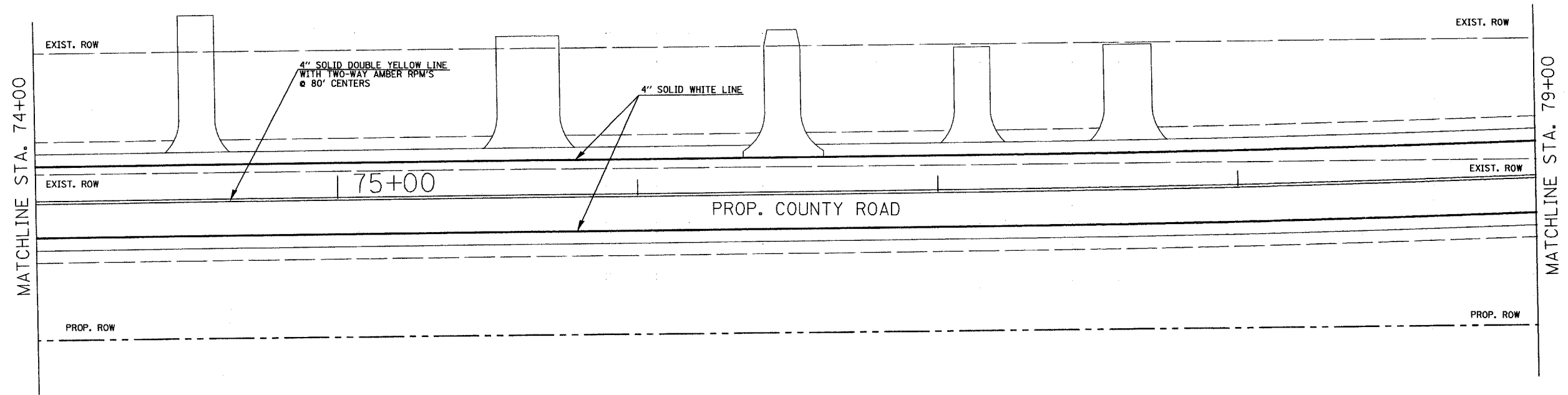
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waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-065202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

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PAVEMENT MARKING AND SIGNAGE PLANS
STA. 74+00 TO 84+00

COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUATAH
ST. CLAIR COUNTY, ILLINOIS

REV	DATE	DESCRIPTION
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△		
△		

DRAWN BY: _____	MLS	SHEET 44 OF 113 SHEETS
DESIGNED BY: _____	MLS	
CHECKED BY: _____	SJK	
APPROVED BY: _____		
PROJECT NUMBER: 20-C10154		PROJECT DESCRIPTION: COUNTY ROAD REALIGNMENT
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING	
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> REDDIP DRAWING	

FAU ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO. C-98-318-08		
IDOT CONTRACT NO. 97345		

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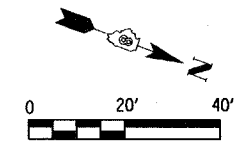
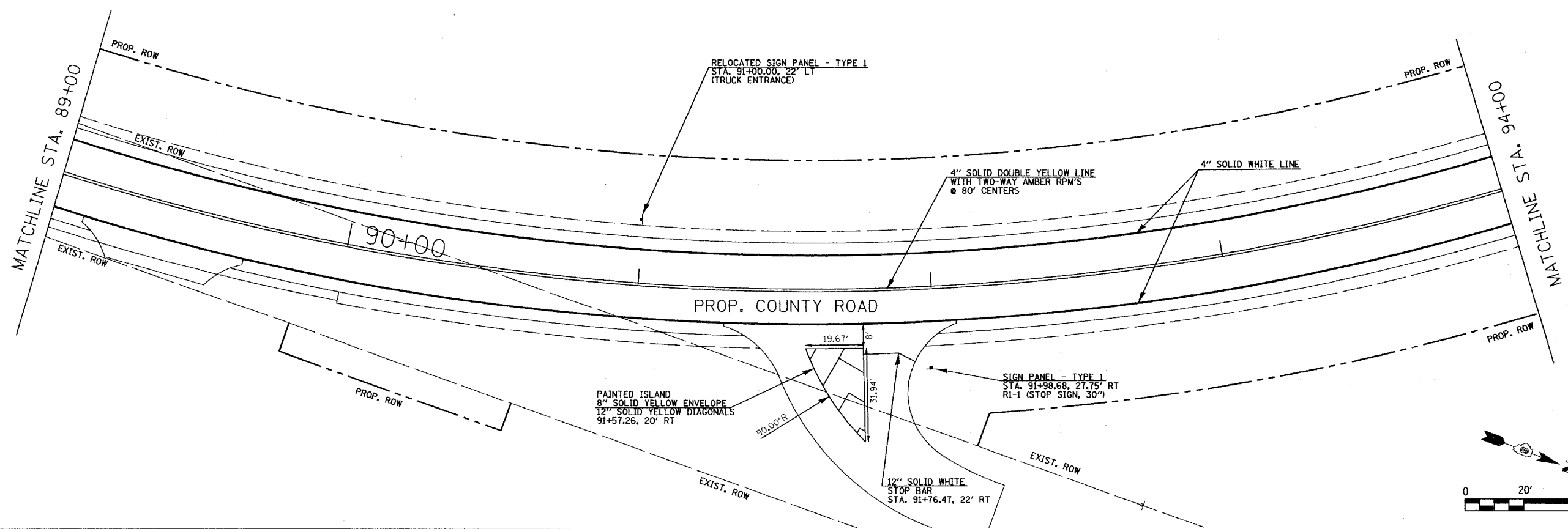
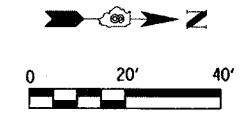
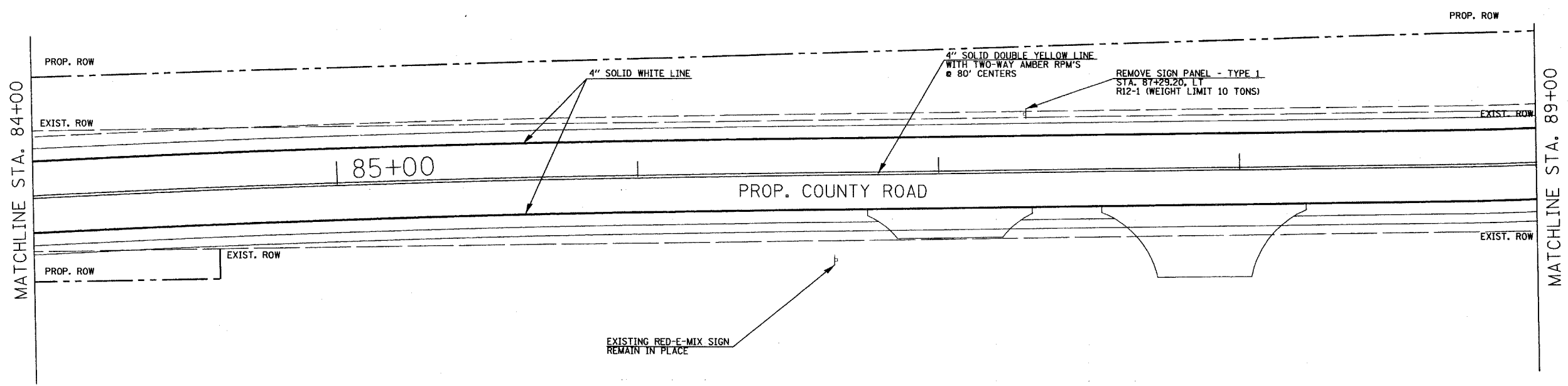
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WATERLOO, ILLINOIS 62298
TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-00120
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-065202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

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TITLE: PAVEMENT MARKING AND SIGNAGE PLANS STA. 84+00 TO 94+00

PROJECT: COUNTY ROAD RECONSTRUCTION - PHASE II CITY OF MASCOUTAH ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION

DRAWN BY: M.S.	SHEET
DESIGNED BY: M.S.	45
CHECKED BY: S.K.	OF 113 SHEETS
APPROVED BY: _____	PROJECT DESCRIPTION
PROJECT NUMBER: 120-010-54	COUNTY ROAD REALIGNMENT
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

FAU ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO.		C-98-318-08
IDOT CONTRACT NO.		97345

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PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Signature: _____
Signature Date: _____
Expiration Date: _____

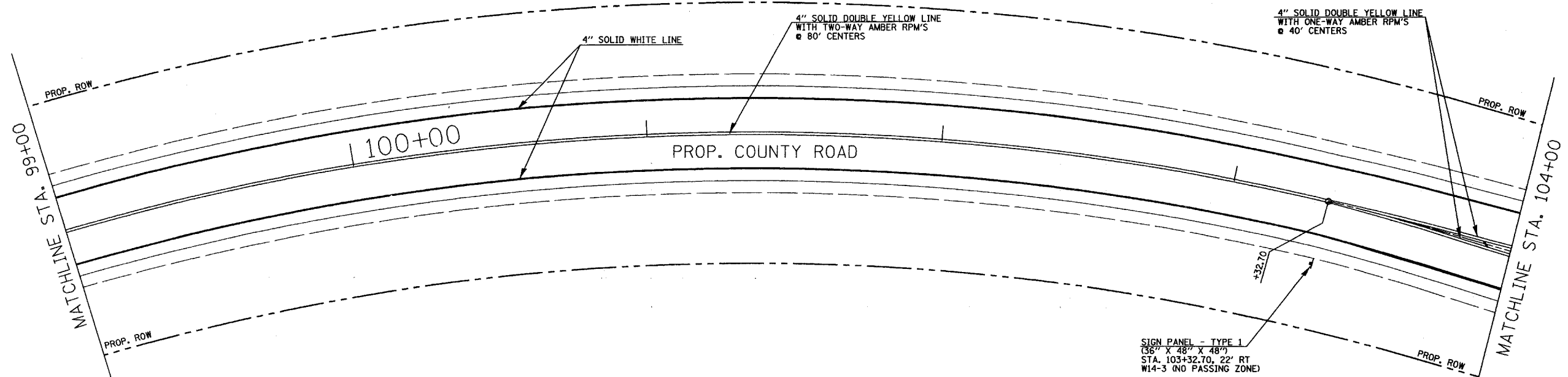
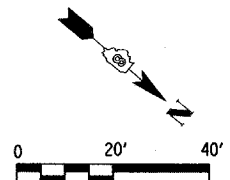
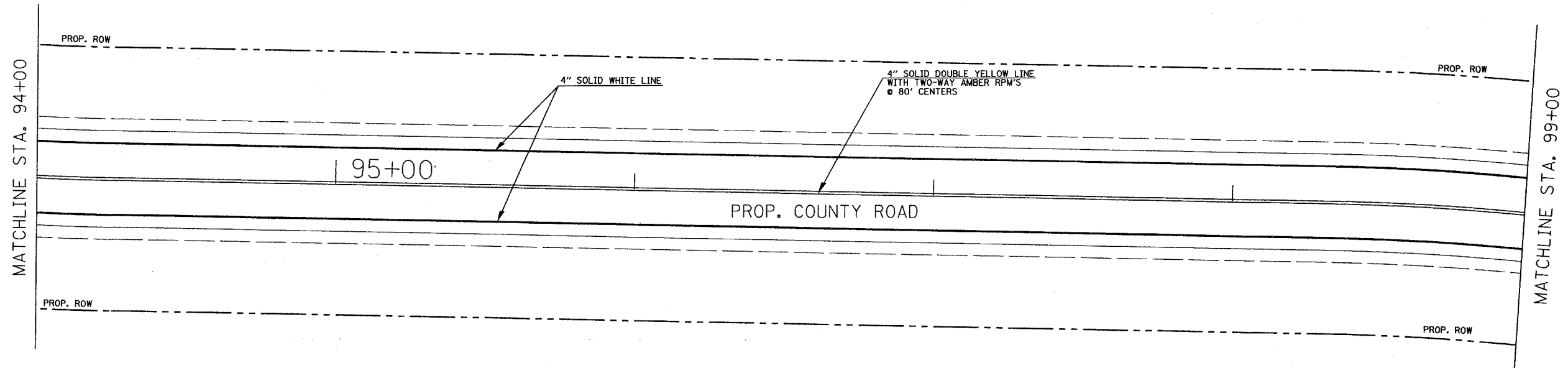
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TITLE: PAVEMENT MARKING AND SIGNAGE PLANS STA. 94+00 TO 104+00

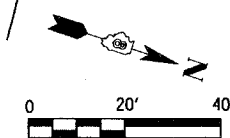
PROJECT: COUNTY ROAD RECONSTRUCTION - PHASE II CITY OF MASCOUTAH ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
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DRAWN BY:	M.S.	SHEET
DESIGNED BY:	M.S.	46
CHECKED BY:	SJK	OF 113 SHEETS
APPROVED BY:		PROJECT DESCRIPTION
PROJECT NUMBER:	20-010154	COUNTY ROAD REALIGNMENT
<input type="checkbox"/> ISSUED FOR REVIEW <input type="checkbox"/> ISSUED FOR BIDDING <input type="checkbox"/> ISSUED FOR CONSTR. <input type="checkbox"/> RECORD DRAWING		



SIGN PANEL - TYPE 1
(36" X 48" X 48")
STA. 103+32.70, 22' RT
W14-3 (NO PASSING ZONE)



FAU ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-318-08	
IDOT CONTRACT NO.	97345	

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waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-011220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

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Signature: _____
Expiration Date: _____

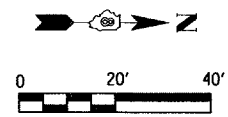
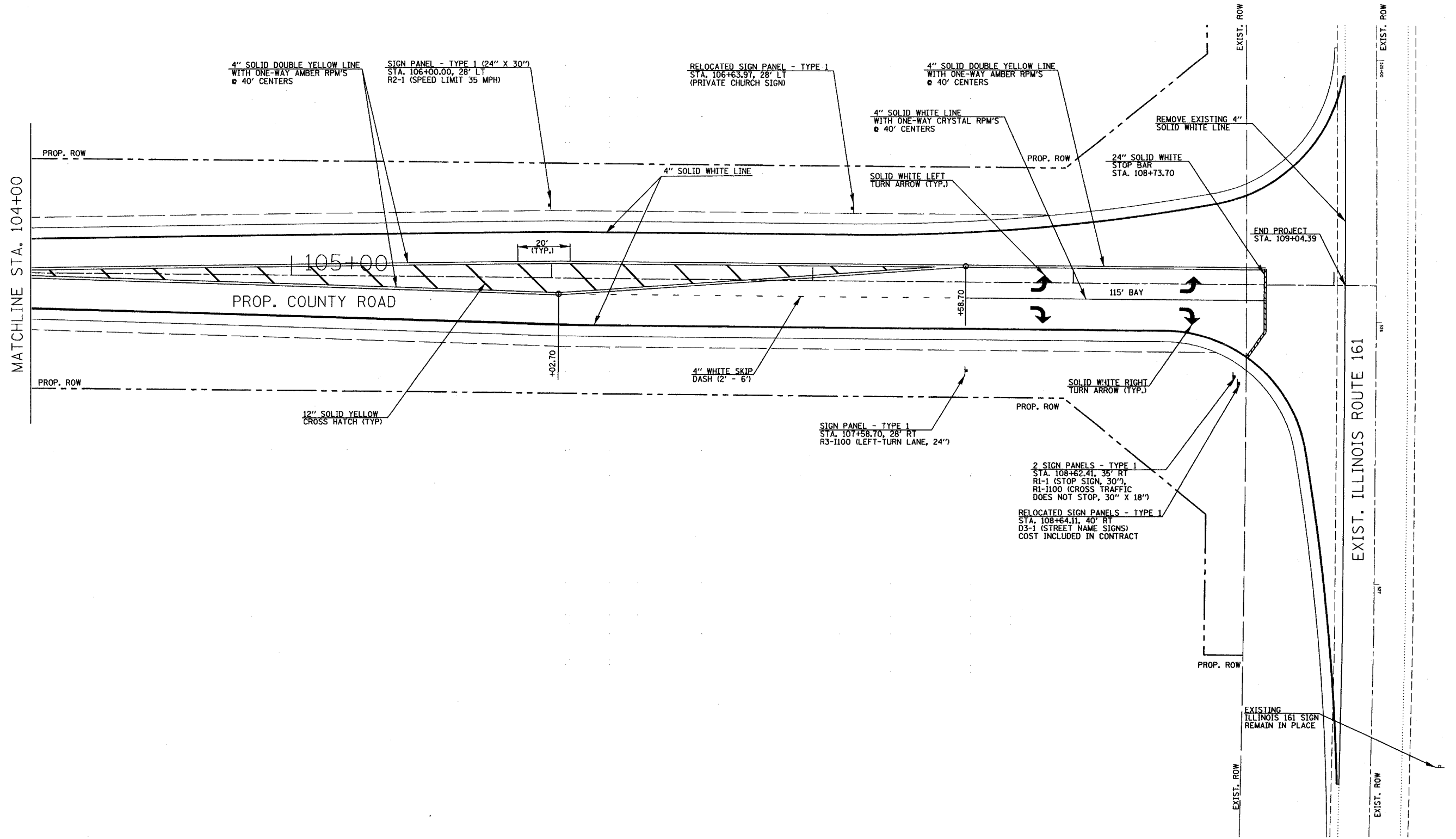
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TITLE
PAVEMENT MARKING AND SIGNAGE PLANS
STA. 104+00 TO 109+04.39

PROJECT
COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV	DATE	DESCRIPTION
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△		
△		

DRAWN BY:	MLS	SHEET	47
DESIGNED BY:	MLS	OF	113 SHEETS
CHECKED BY:	SJK	PROJECT DESCRIPTION	COUNTY ROAD REALIGNMENT
APPROVED BY:		PROJECT NUMBER	20-C10154
<input checked="" type="checkbox"/> ISSUED FOR REVIEW <input type="checkbox"/> ISSUED FOR BIDDING <input type="checkbox"/> ISSUED FOR CONSTR. <input type="checkbox"/> RECORD DRAWING			



FAU ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO. C-98-318-08		
IDOT CONTRACT NO. 97345		

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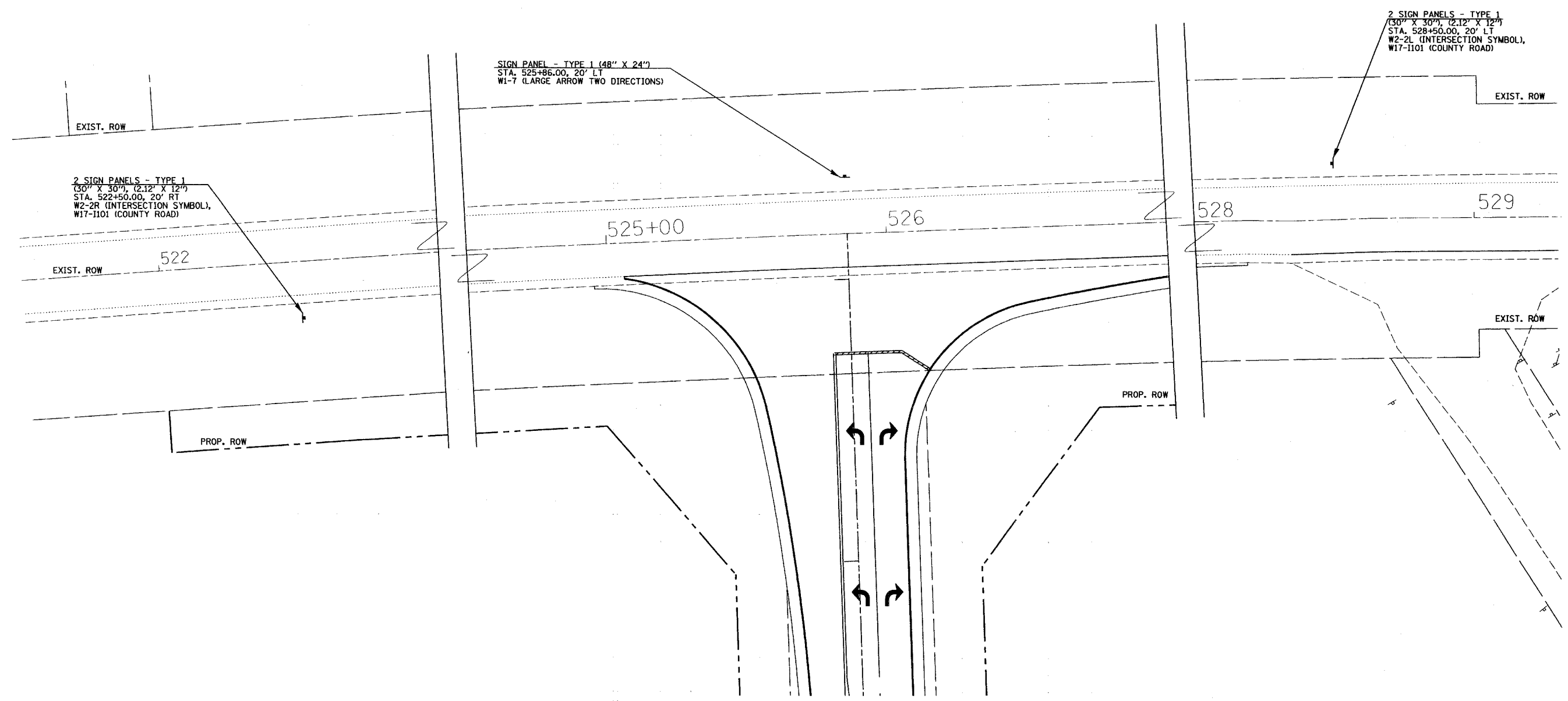
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TEL (618) 939-5050
FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

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Signature: _____
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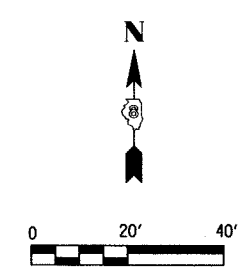
TITLE
PAVEMENT MARKING AND SIGNAGE PLANS

PROJECT:
IL RTE 161 STA. 522+00 TO 529+00

COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: _____	M.L.S.	SHEET 48
DESIGNED BY: _____	M.L.S.	
CHECKED BY: _____	S.K.	OF 113 SHEETS
APPROVED BY: _____		PROJECT DESCRIPTION COUNTY ROAD REALIGNMENT
PROJECT NUMBER: 20-010154		
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING	
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING	



FAU ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO. C-98-318-08		
IDOT CONTRACT NO. 97345		

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PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

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Signature Date: _____
Expiration Date: _____

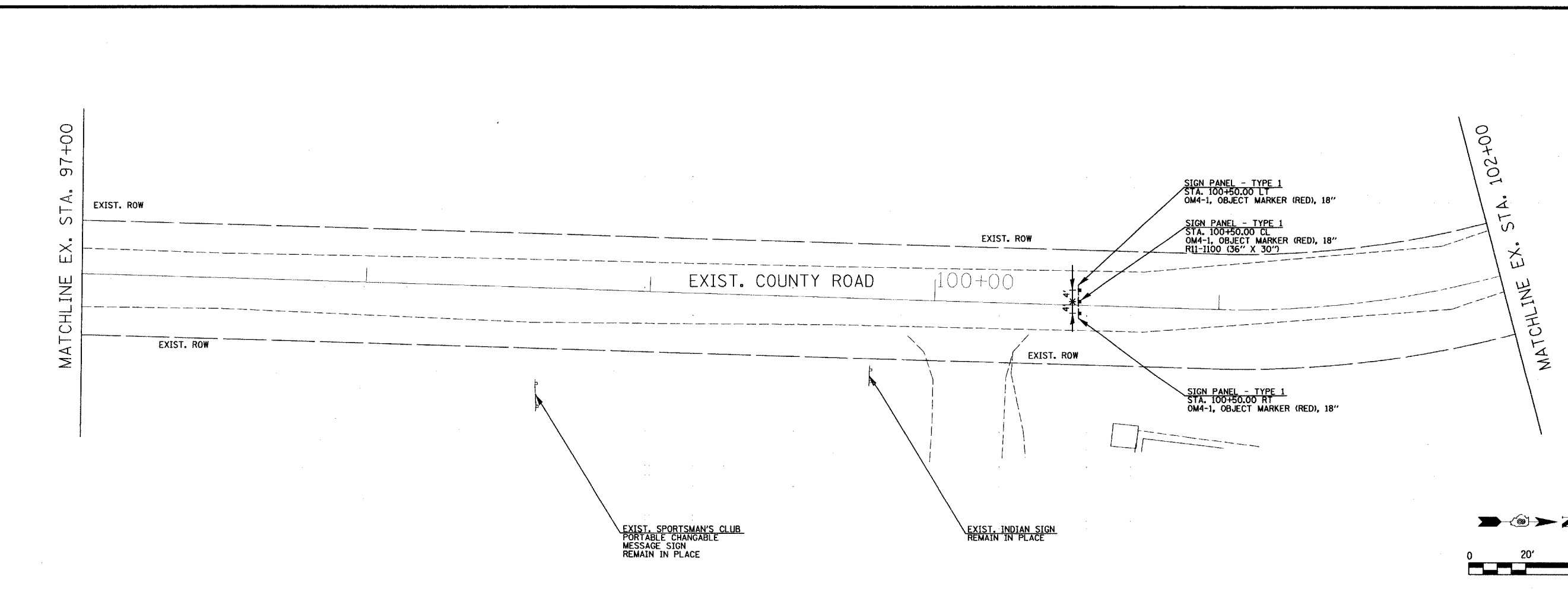
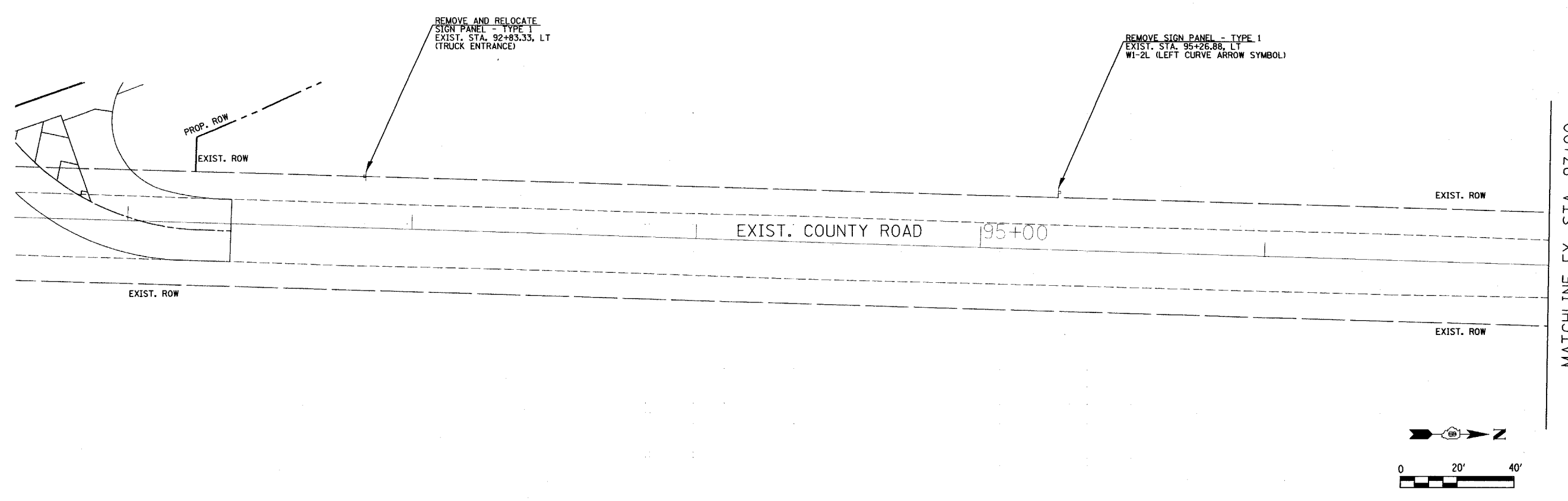
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TITLE
PAVEMENT MARKING AND SIGNAGE PLANS
EXIST. STA. 92+00 TO 102+00

PROJECT:
COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV	DATE	DESCRIPTION

DRAWN BY: M.S.	SHEET
DESIGNED BY: M.S.	49
CHECKED BY: S.K.	OF 113 SHEETS
APPROVED BY: -	PROJECT DESCRIPTION
PROJECT NUMBER: 120-010*54	COUNTY ROAD REALIGNMENT
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



FAU ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT		ILLINOIS
IDOT JOB NO.	C-98-318-08	
IDOT CONTRACT NO.	97345	

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waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-033770
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

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Signature Date: _____
Expiration Date: _____

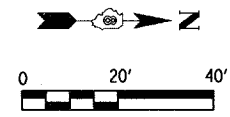
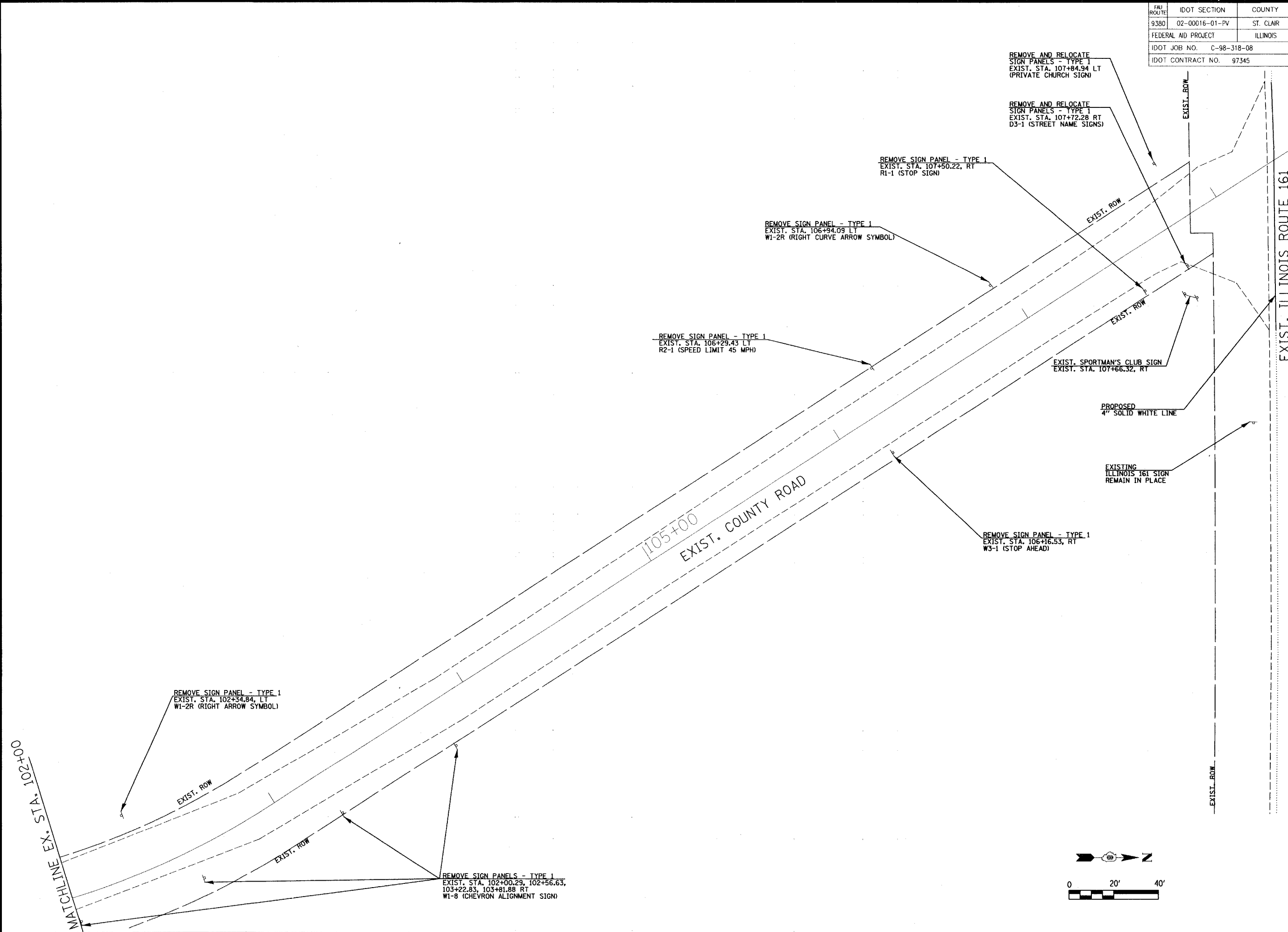
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TITLE
PAVEMENT MARKING AND SIGNAGE PLANS
EXIST. STA. 102+00 TO 108+25

PROJECT
COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
△		
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△		

DRAWN BY: M.L.S.	SHEET 50
DESIGNED BY: M.L.S.	OF 113 SHEETS
CHECKED BY: S.K.	PROJECT DESCRIPTION
APPROVED BY:	COUNTY ROAD REALIGNMENT
PROJECT NUMBER: 120-010'54	
<input type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



FAU ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-318-08	
IDOT CONTRACT NO.	97345	

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waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-003370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

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TITLE: BOX CULVERT DETAIL
STA. 70+06.55

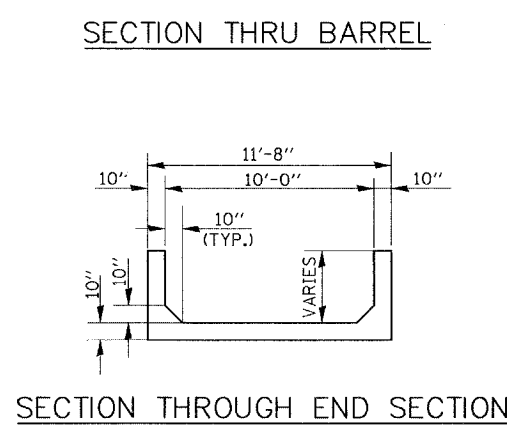
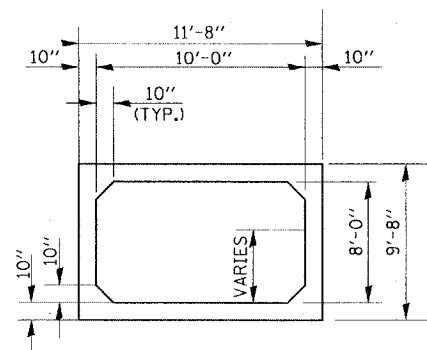
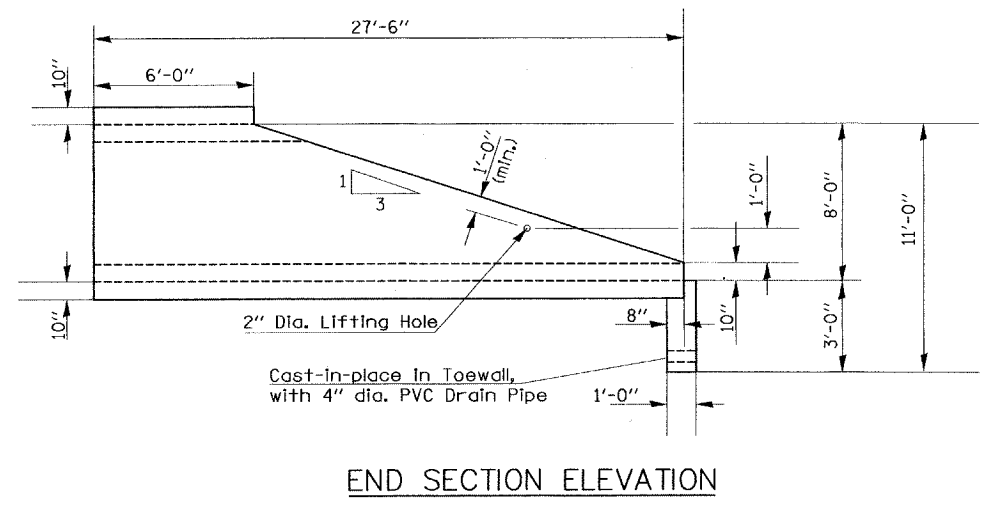
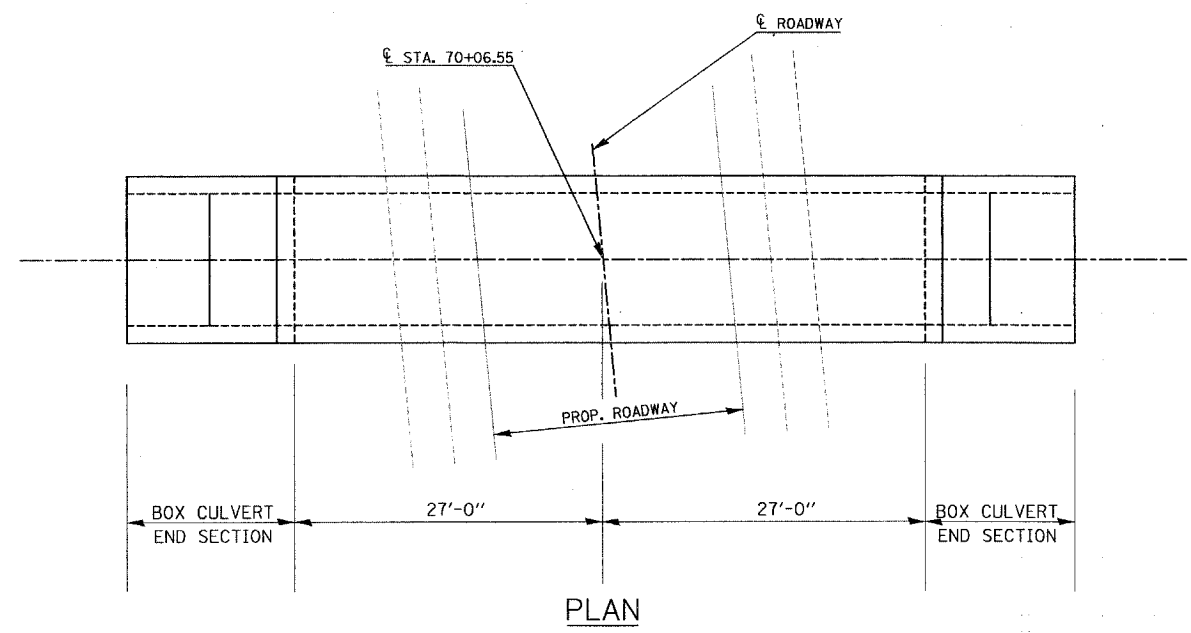
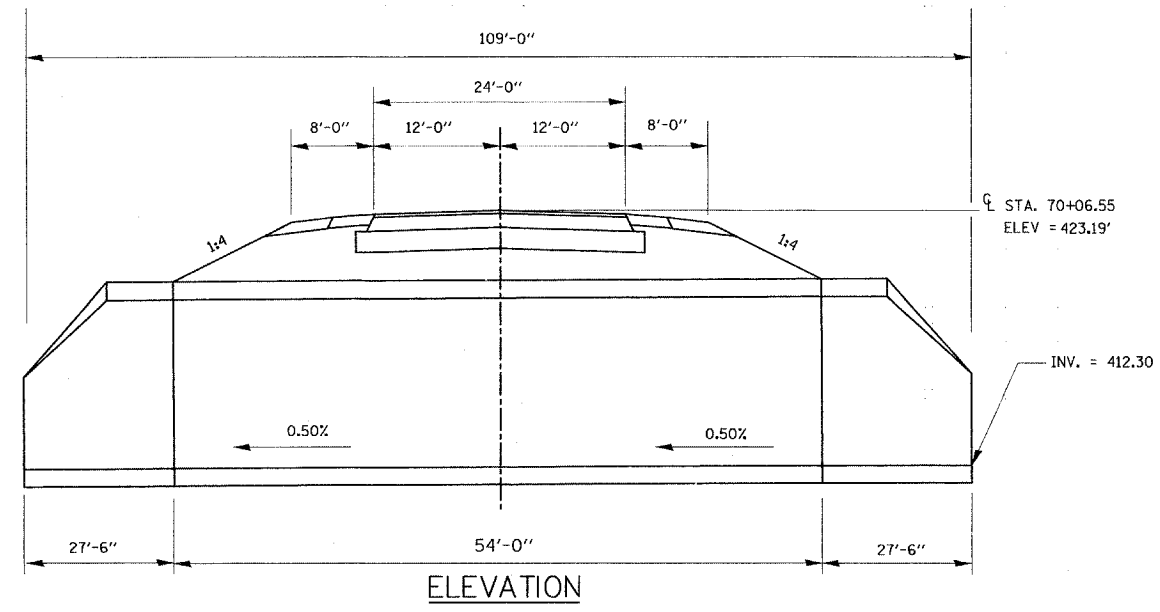
PROJECT: COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION

DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	51
CHECKED BY: SJK	OF 113 SHEETS
APPROVED BY:	PROJECT DESCRIPTION
PROJECT NUMBER: T20-010154	COUNTY ROAD REALIGNMENT
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

GENERAL NOTES

1. All dimensions are in feet except as noted. All elevations are in feet.
2. Exposed edges shall have a 3/4" chamfer unless otherwise noted.
3. Provide a light broom finish to the floor of the Precast Concrete Box Culvert and Precast Box Culvert End Sections. Cost included with "Precast Concrete Box Culverts 10 ft. x 8 ft." and "Box Culvert End Section, Culvert No. 2".
4. The Cast-In-Place toewall will not be paid for separately, but shall be included in the cost for "Box Culvert End Section, Culvert No. 2". Approximately 2.0 cu. yd. of concrete will be required.
5. This box culvert has an approximate fill height of 2 feet 0 inches. The Precast Concrete Box Culvert shall be designed in accordance with AASHTO M259 except that the aggregate shall conform to the requirements of Article 1003.02 and 1004.02 of the Standard Specifications with the exception of gradation.
6. The contractor shall submit shop drawings and calculations for the Precast Concrete Box Culvert and Box Culvert End Sections. Shop drawings and calculations shall be sealed by a Structural Engineer registered in the State of Illinois.
7. Structure Excavation (Special), Porous Granular Embankment (Special), and Trench Backfill shall be included in the contract unit price of the "Precast Concrete Box Culvert 10 ft. x 8 ft." and "Box Culvert End Section, Culvert No. 2".
8. Should unstable soils be encountered upon Structure Excavation, the ENGINEER shall determine the necessary depth of excavation required to reach stable soils.



DESIGN STRESSES **LOADING HS20-44**

PRECAST UNITS **DESIGN SPECIFICATIONS**

$f'_c = 5 \text{ ksi}$
 $f_y = 65 \text{ ksi (welded wire fabric)}$

2002 AASHTO Standard Specifications for Highway Bridges

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Precast Concrete Box Culverts 10 ft. x 8 ft	Ft.	54
Box Culvert End Section, Culvert No. 2	Each	2

FAU ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-318-08	
IDOT CONTRACT NO.	97345	

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TEL (618) 939-5050
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PROFESSIONAL REGISTRATIONS	LICENSE NO.
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PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

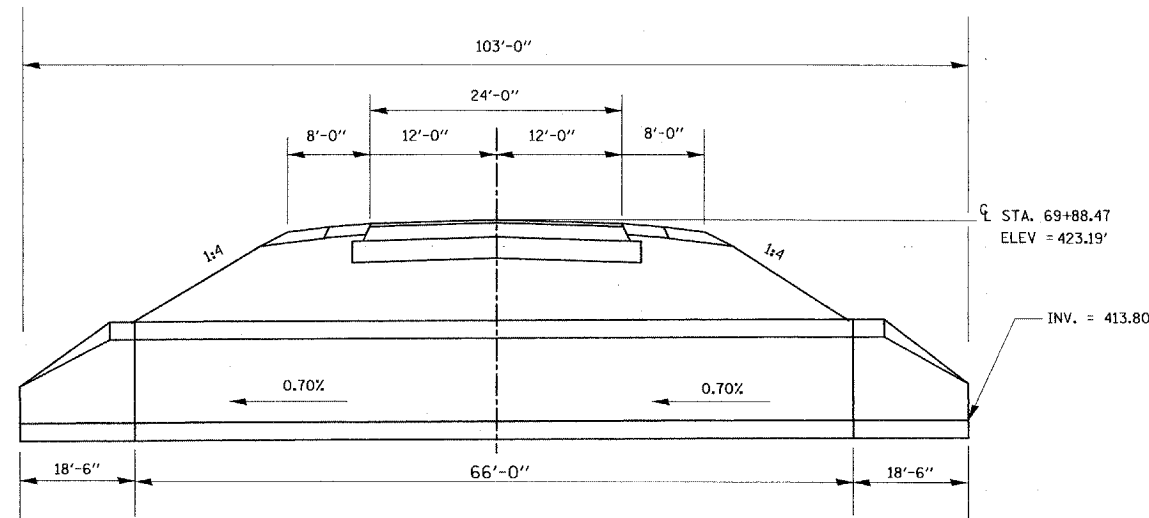
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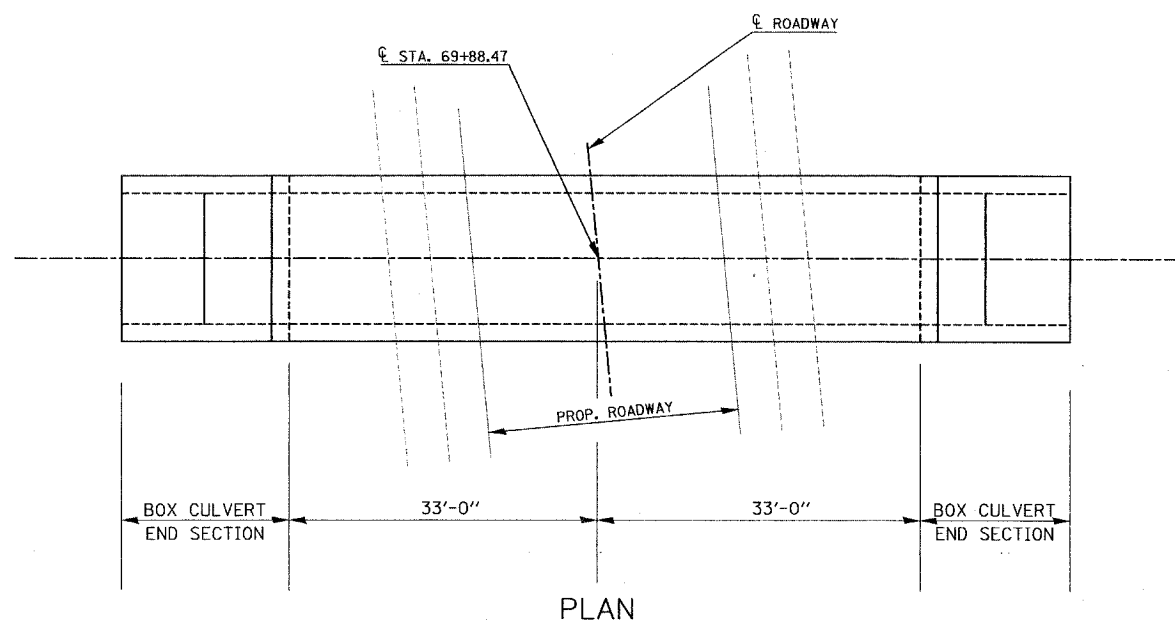
BOX CULVERT DETAIL
STA. 69+88.47
COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

GENERAL NOTES

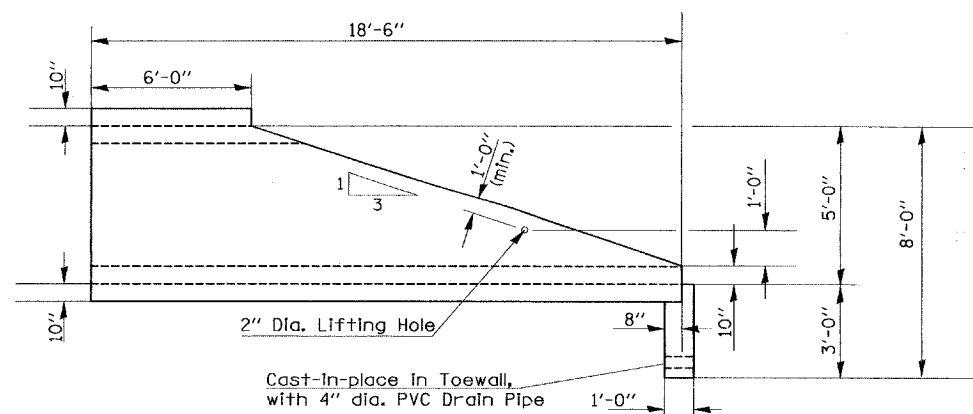
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2. Exposed edges shall have a 3/4" chamfer unless otherwise noted.
3. Provide a light broom finish to the floor of the Precast Concrete Box Culvert and Box Culvert End Sections. Cost included with "Precast Concrete Box Culverts 10 ft. x 5 ft." and "Box Culvert End Section, Culvert No. 1".
4. The Cast-In-Place toewall will not be paid for separately, but shall be included in the cost for "Box Culvert End Section, Culvert No. 1". Approximately 2.0 cu. yd. of concrete will be required.
5. This box culvert has an approximate fill height of 4 feet 0 inches. The Precast Concrete Box Culvert shall be designed in accordance with AASHTO M259 except that the aggregate shall conform to the requirements of Article 1003.02 and 1004.02 of the Standard Specifications with the exception of gradation.
6. The contractor shall submit shop drawings and calculations for the Precast Concrete Box Culvert and Box Culvert End Sections. Shop drawings and calculations shall be sealed by a Structural Engineer registered in the State of Illinois.
7. Structure Excavation (Special), Porous Granular Embankment (Special), and Trench Backfill shall be included in the contract unit price of the "Precast Concrete Box Culvert 10 ft. x 5 ft." and "Box Culvert End Section, Culvert No. 1".
8. Should unstable soils be encountered upon Structure Excavation, the ENGINEER shall determine the necessary depth of excavation required to reach stable soils



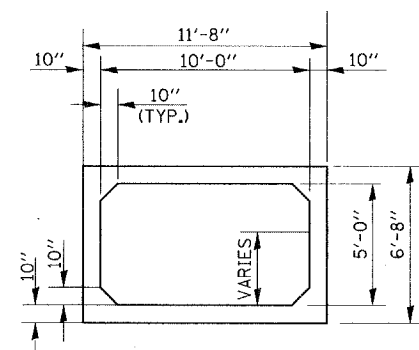
ELEVATION



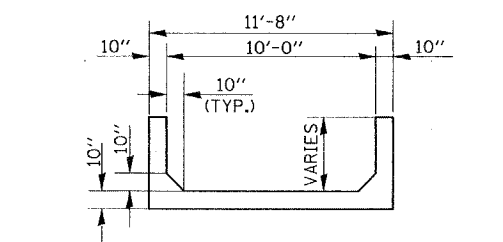
PLAN



END SECTION ELEVATION



SECTION THRU BARREL



SECTION THROUGH END SECTION

DESIGN STRESSES

LOADING HS20-44

PRECAST UNITS

$f'_c = 5 \text{ ksi}$
 $f_y = 65 \text{ ksi (welded wire fabric)}$

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Precast Concrete Box Culverts 10 ft. x 5 ft	Ft.	66
Box Culvert End Section, Culvert No. 1	Each	2

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JWS
DESIGNED BY: JWS
CHECKED BY: SJK
APPROVED BY:
PROJECT NUMBER: T20-010154
PROJECT DESCRIPTION: COUNTY ROAD REALIGNMENT
SHEET **52** OF 113 SHEETS
 ISSUED FOR REVIEW ISSUED FOR BIDDING
 ISSUED FOR CONSTR. RECORD DRAWING

FBI ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-318-08	
IDOT CONTRACT NO.	97345	

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PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

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Signature: _____
Signature Date: _____
Expiration Date: _____

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BOX CULVERT DETAIL
STA. 70+24.63

COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV	DATE	DESCRIPTION

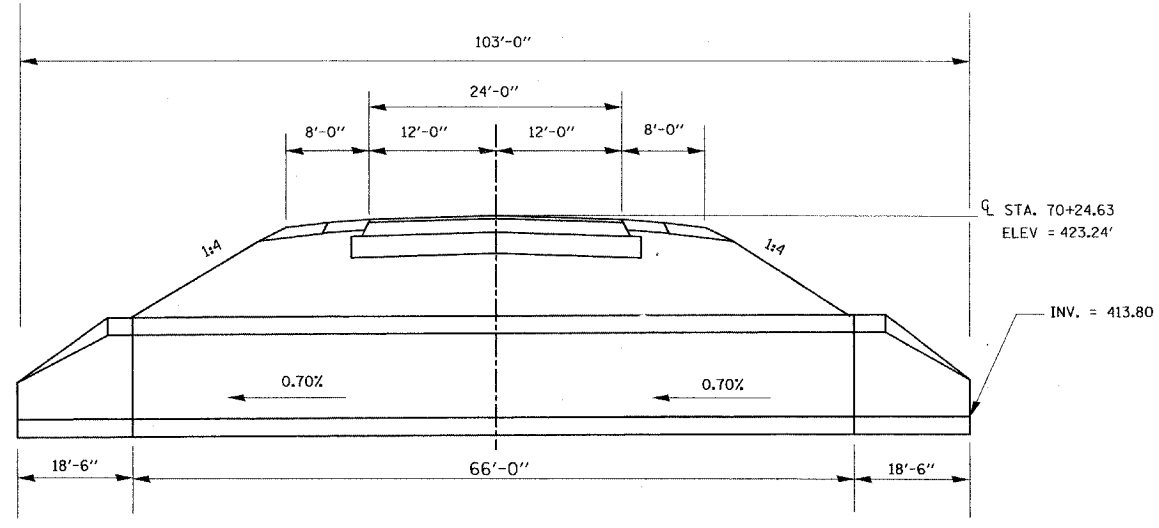
DRAWN BY: JWS
DESIGNED BY: JWS
CHECKED BY: SJK
APPROVED BY: _____
PROJECT NUMBER: 20-010154

SHEET **53** OF 113 SHEETS
PROJECT DESCRIPTION: COUNTY ROAD REALIGNMENT

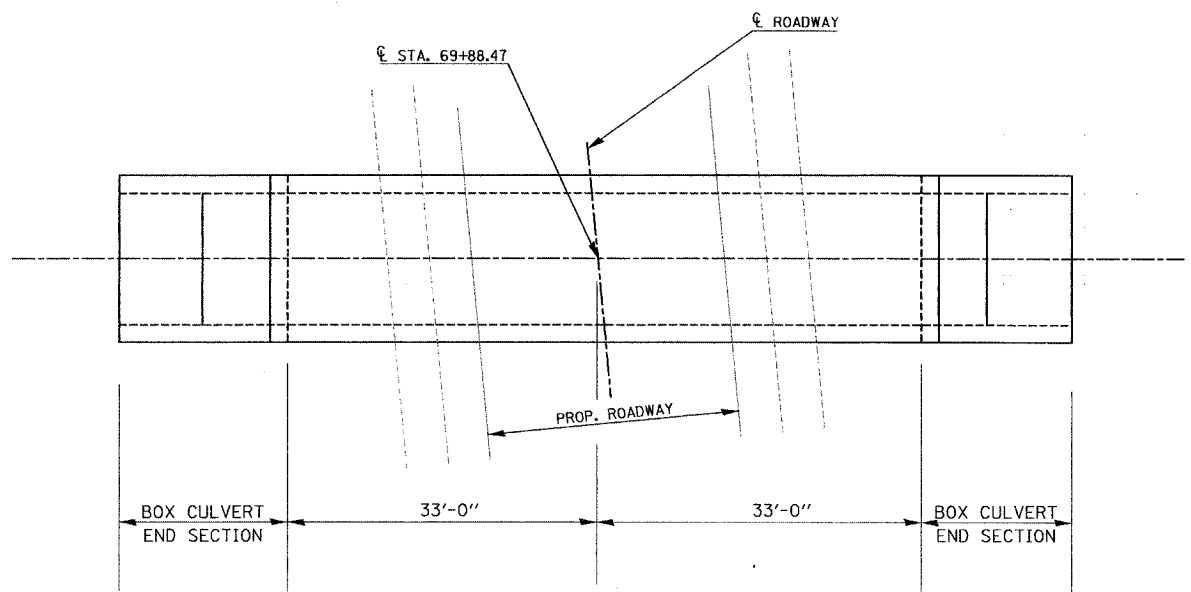
ISSUED FOR REVIEW ISSUED FOR BIDDING
 ISSUED FOR CONSTR. RECORD DRAWING

GENERAL NOTES

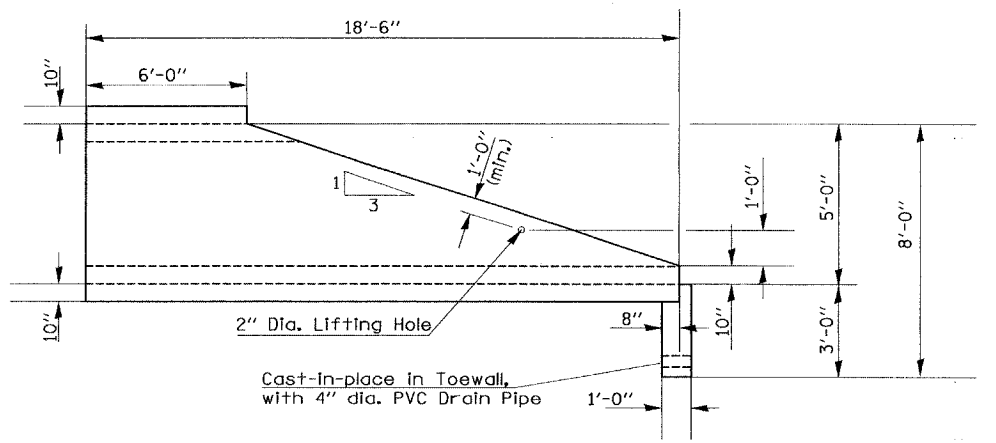
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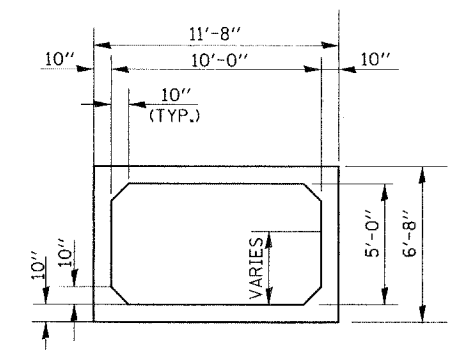
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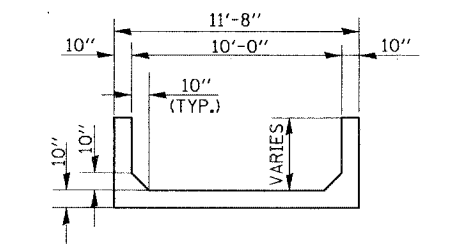
PLAN



END SECTION ELEVATION



SECTION THRU BARREL



SECTION THROUGH END SECTION

DESIGN STRESSES

LOADING HS20-44

PRECAST UNITS

DESIGN SPECIFICATIONS

$f'_c = 5 \text{ ksi}$
 $f_y = 65 \text{ ksi (welded wire fabric)}$

2002 AASHTO Standard Specifications for Highway Bridges

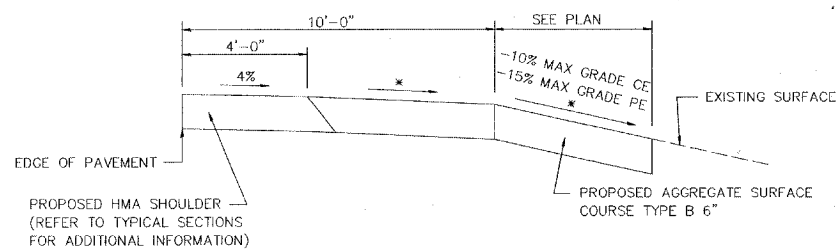
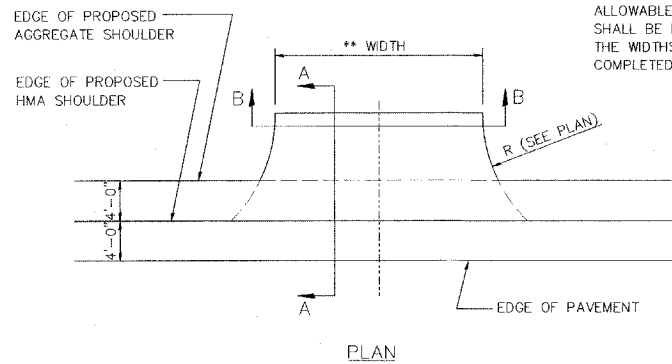
TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Precast Concrete Box Culverts 10 ft. x 5 ft	Ft.	66
Box Culvert End Section, Culvert No. 1	Each	2

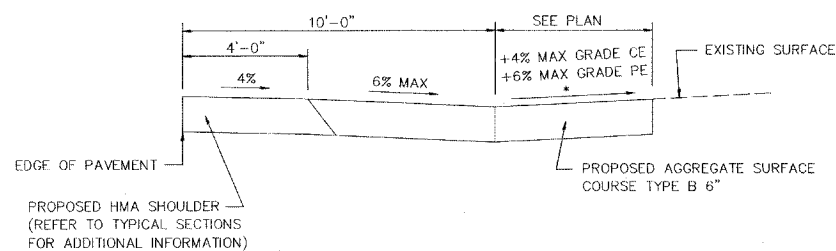
DETAIL OF AGGREGATE ENTRANCES

W/ BITUMINOUS SHOULDERS
PRIVATE, COMMERCIAL, & FIELD ENTRANCES

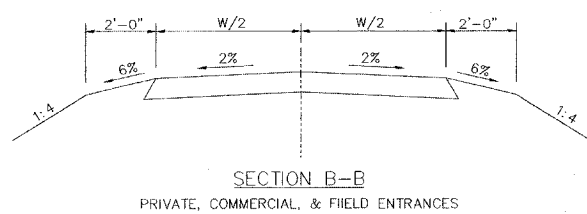
** ALLOWABLE ENTRANCE WIDTHS:
PRIVATE 12' TO 24'
COMMERCIAL 35' MAXIMUM
FIELD 20' MINIMUM
ALLOWABLE ENTRANCE WIDTH SHALL BE INTERPRETED TO BE THE WIDTHS AT THE SPECIFIED COMPLETED RADIUS.



SECTION A-A WITH NEGATIVE GRADE
* SEE CROSS SECTIONS FOR SLOPES



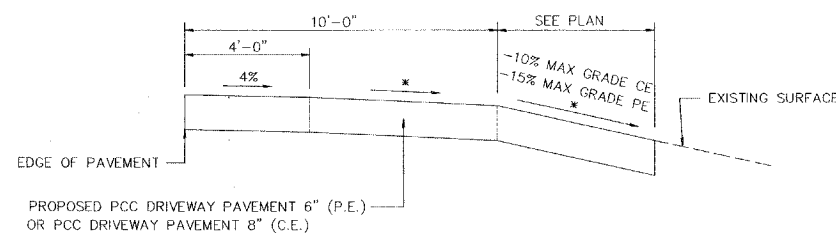
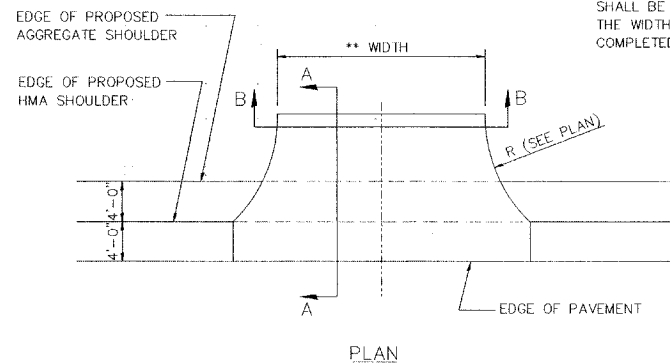
SECTION A-A WITH POSITIVE GRADE
* SEE CROSS SECTIONS FOR SLOPES



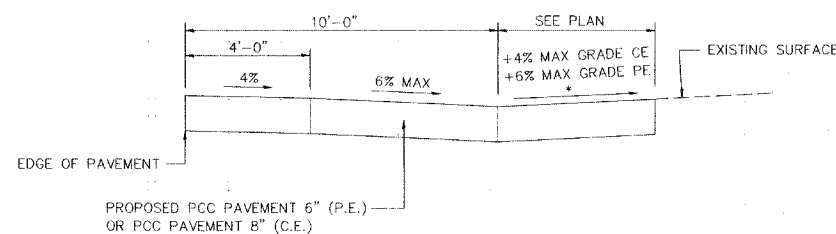
DETAIL OF CONCRETE ENTRANCES

W/ BITUMINOUS SHOULDERS
PRIVATE & COMMERCIAL ENTRANCES

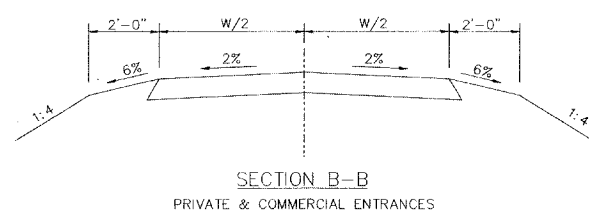
** ALLOWABLE ENTRANCE WIDTHS:
PRIVATE 12' TO 24'
COMMERCIAL 35' MAXIMUM
ALLOWABLE ENTRANCE WIDTH SHALL BE INTERPRETED TO BE THE WIDTHS AT THE SPECIFIED COMPLETED RADIUS.



SECTION A-A WITH NEGATIVE GRADE
* SEE CROSS SECTIONS FOR SLOPES



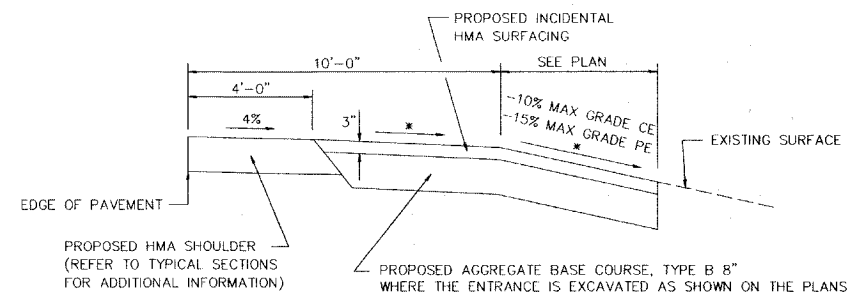
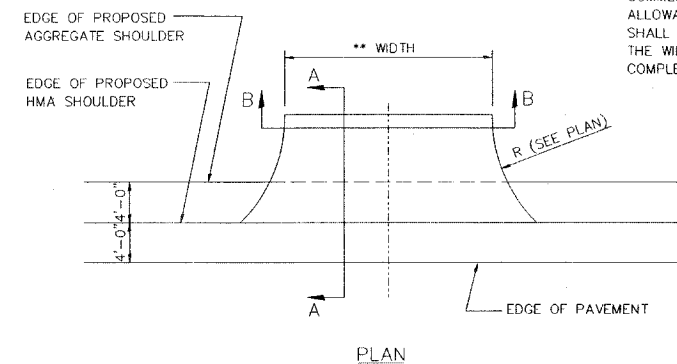
SECTION A-A WITH POSITIVE GRADE
* SEE CROSS SECTIONS FOR SLOPES



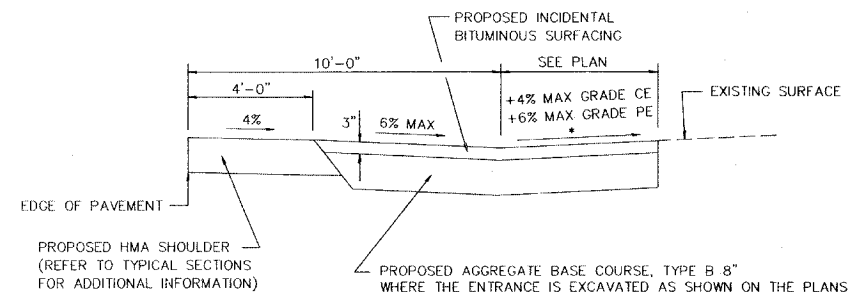
DETAIL OF HMA ENTRANCES

W/ BITUMINOUS SHOULDERS
PRIVATE, COMMERCIAL, & SIDEROADS

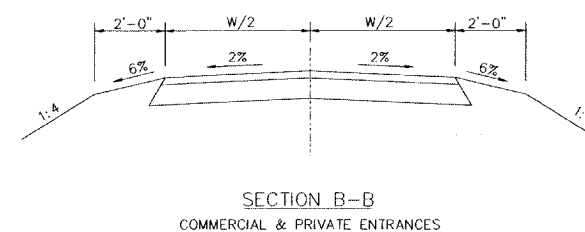
** ALLOWABLE ENTRANCE WIDTHS:
PRIVATE 12' TO 24'
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SECTION A-A WITH NEGATIVE GRADE
* SEE CROSS SECTIONS FOR SLOPES



SECTION A-A WITH POSITIVE GRADE
* SEE CROSS SECTIONS FOR SLOPES



FBI ROUTE	IDOT SECTION	COUNTY
9380	02-00016-01-PV	ST. CLAIR
FEDERAL AID PROJECT	ILLINOIS	
IDOT JOB NO.	C-98-318-08	
IDOT CONTRACT NO.	97345	

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PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	MC 001528
MISSOURI LAND SURVEYING CORP.	MC 000346

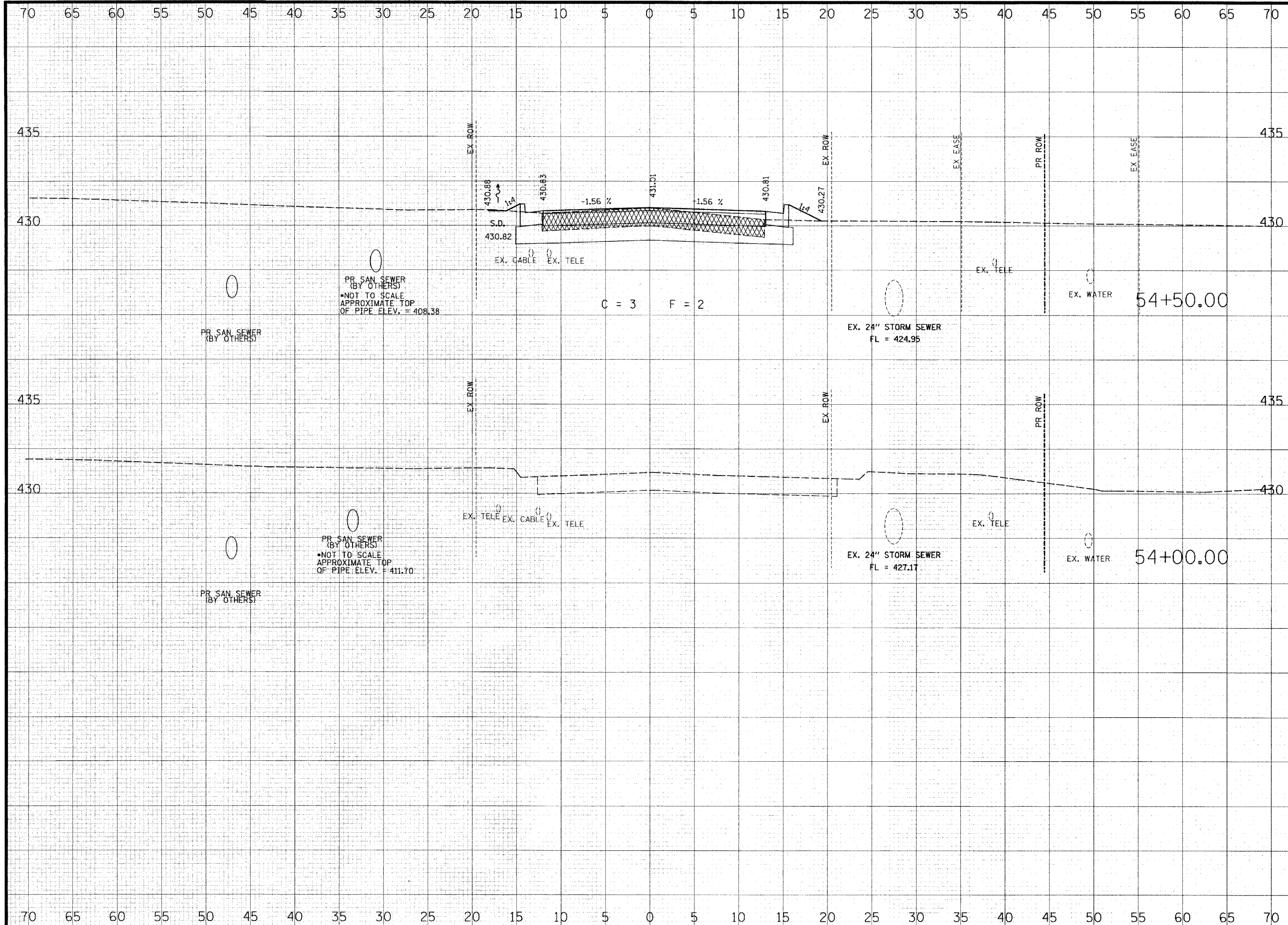
Signature: _____
Signature Date: _____
Expiration Date: _____

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ENTRANCE DETAILS
COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION

DRAWN BY: BJC	SHEET
DESIGNED BY: BJC	54
CHECKED BY: SJK	OF 113 SHEETS
APPROVED BY: _____	PROJECT DESCRIPTION
PROJECT NUMBER: 120-010154	COUNTY ROAD REALIGNMENT
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



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Renewal Date:
Signature Date:

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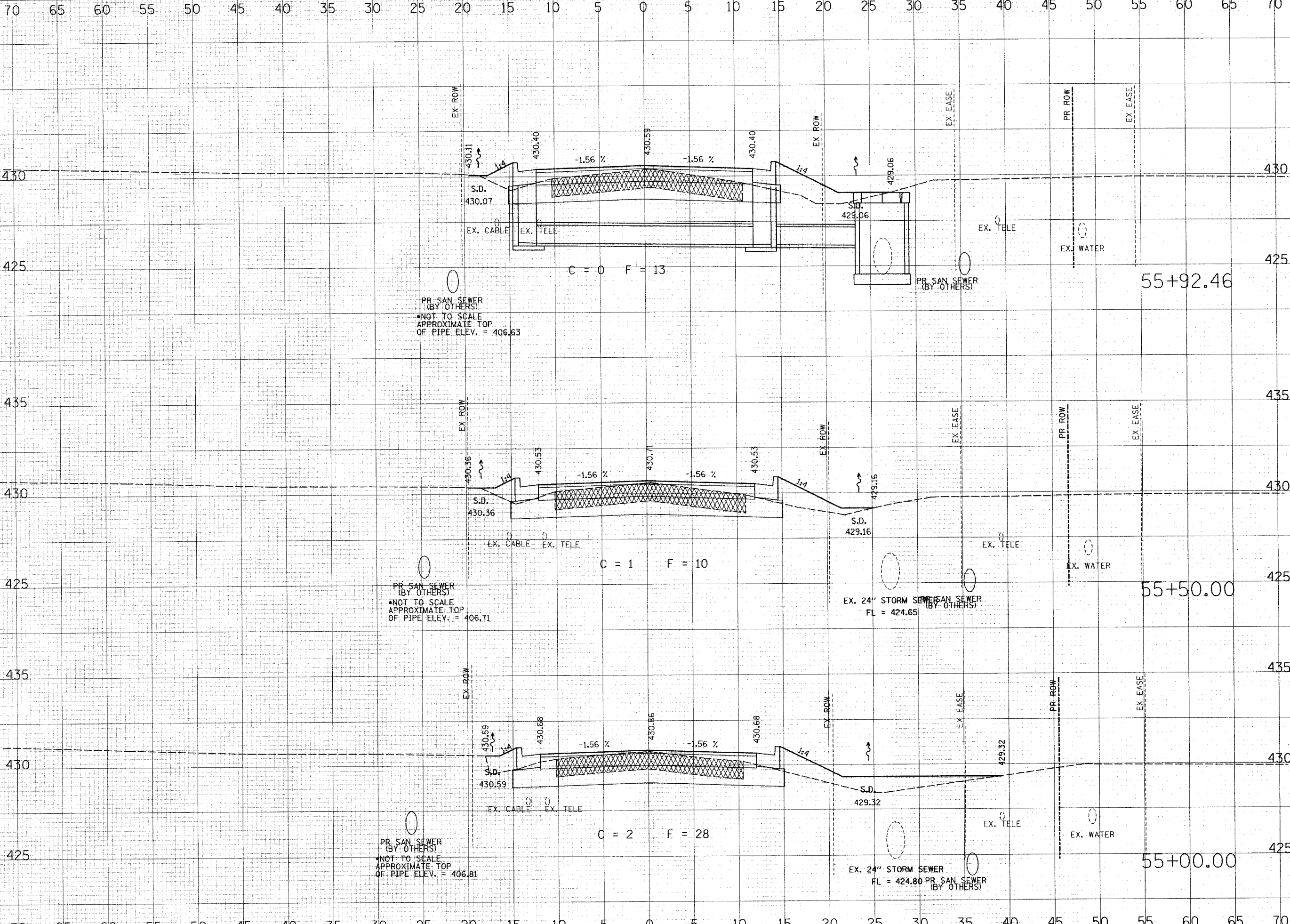
TITLE
COUNTY ROAD CROSS SECTIONS

PROJECT
COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: JWS	SHEET 55 OF 113 SHEETS
DESIGNED BY: JWS	
CHECKED BY: SJK	PROJECT DESCRIPTION COUNTY ROAD REALIGNMENT
APPROVED BY:	
PROJECT NUMBER: 20-010154	

ISSUED FOR REVIEW ISSUED FOR BIDDING
 ISSUED FOR CONSTR. RECORD DRAWING



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MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

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Renewal Date: _____
 Signature Date: _____

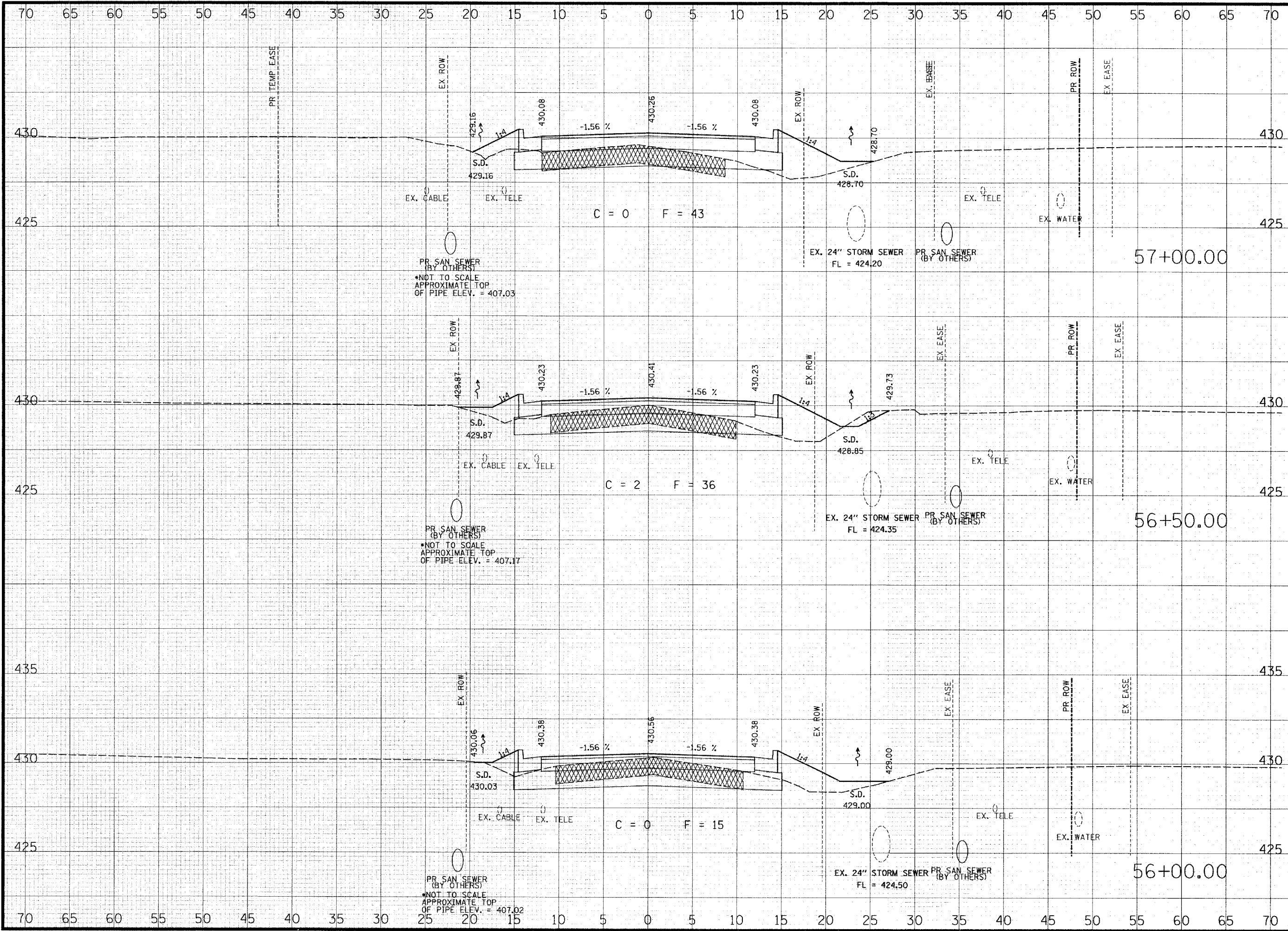
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COUNTY ROAD CROSS SECTIONS

COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION

DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	56
CHECKED BY: SJK	OF 113 SHEETS
APPROVED BY: _____	PROJECT DESCRIPTION
PROJECT NUMBER: 120-010154	COUNTY ROAD REALIGNMENT
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



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 Signature Date:

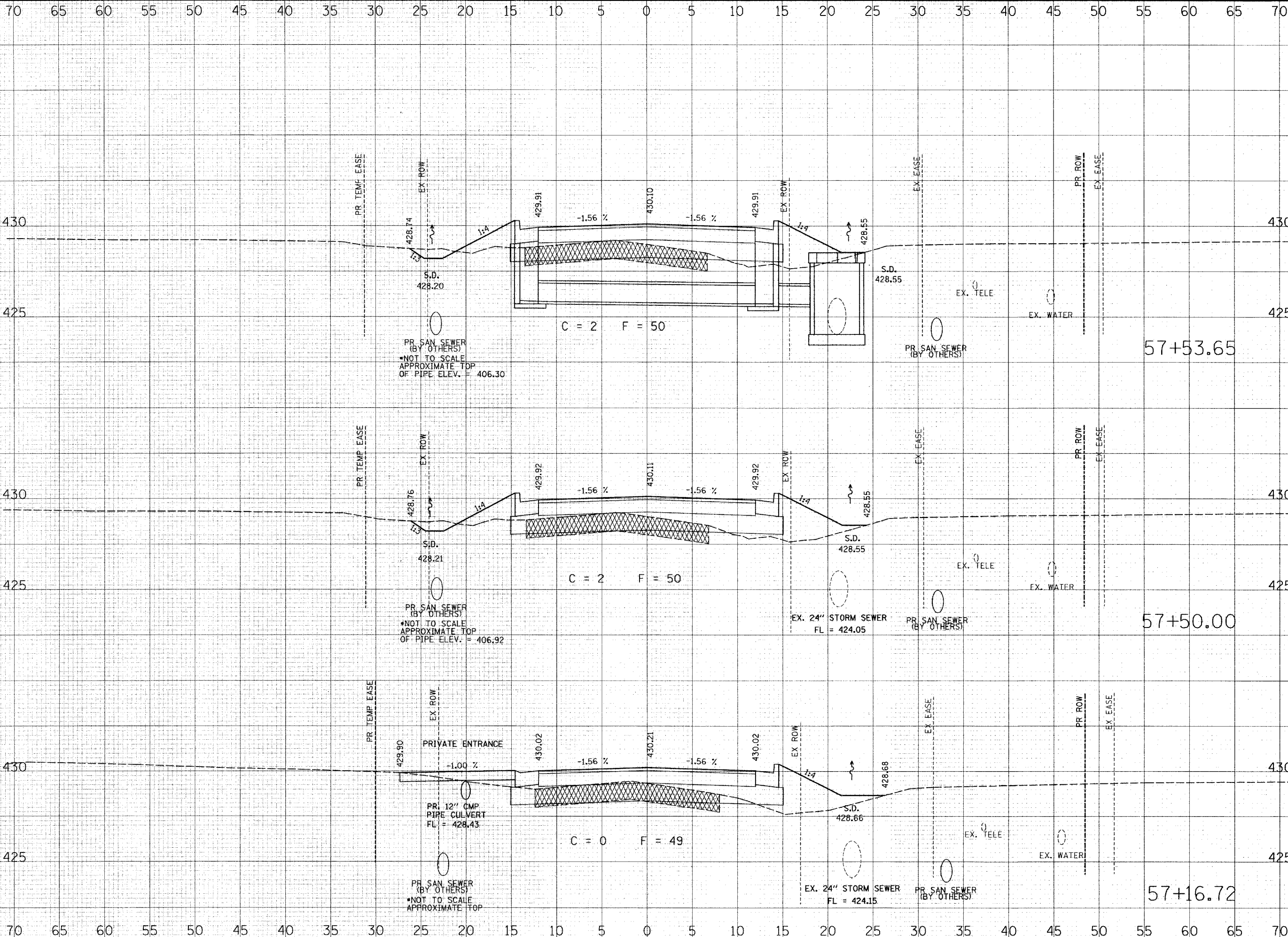
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COUNTY ROAD CROSS SECTIONS

COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
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DRAWN BY: JWS	SHEET 57 OF 113 SHEETS
DESIGNED BY: JWS	
CHECKED BY: SJK	
APPROVED BY:	
PROJECT NUMBER: 120-010154	PROJECT DESCRIPTION: COUNTY ROAD REALIGNMENT
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



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MISSOURI PROFESSIONAL ENGR. CORP.	MC 001528
MISSOURI LAND SURVEYING CORP.	MC 000346

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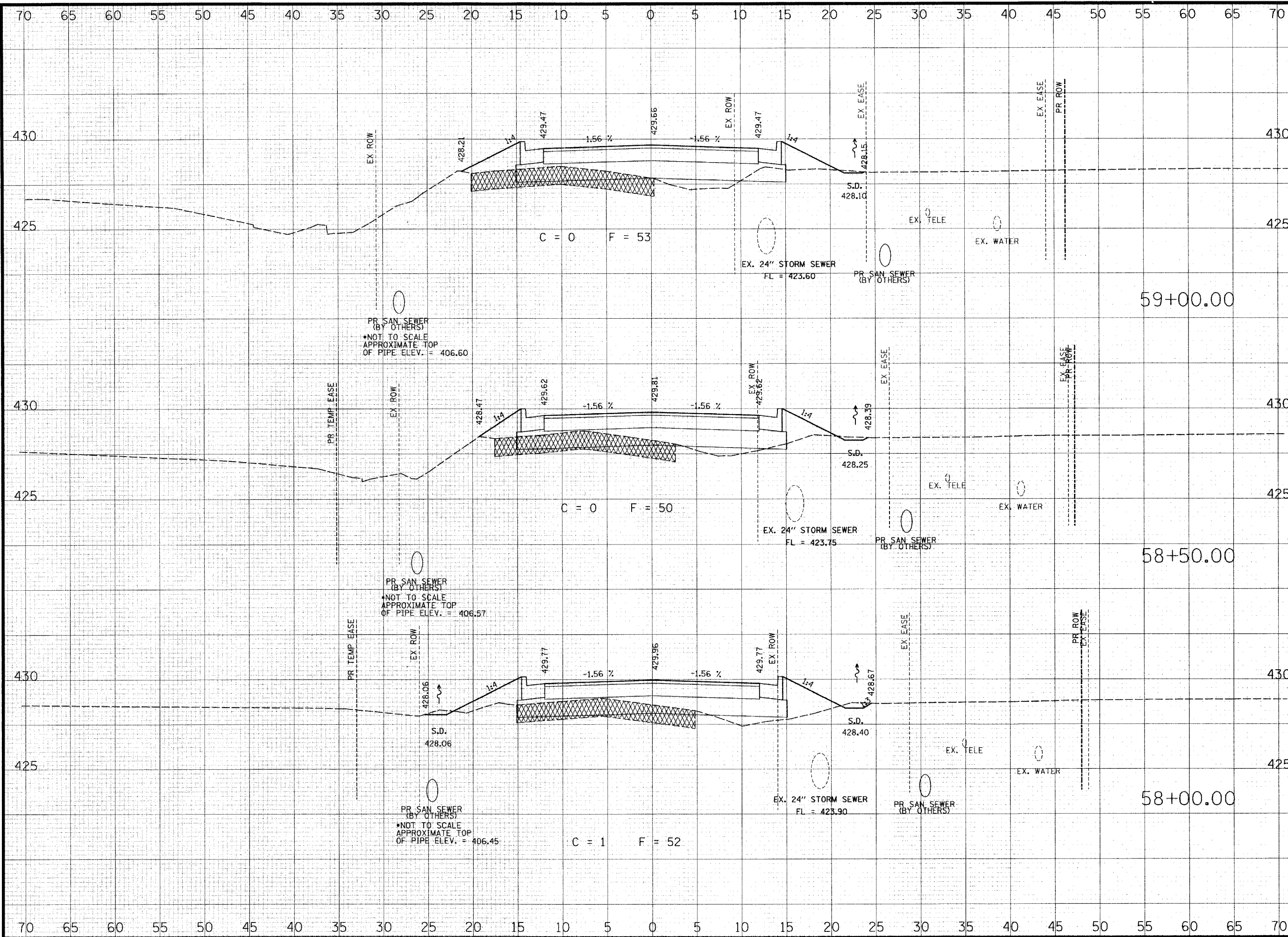
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TITLE
 COUNTY ROAD CROSS SECTIONS

PROJECT
 COUNTY ROAD RECONSTRUCTION - PHASE II
 CITY OF MASCOUTAH
 ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION

DRAWN BY: JWS	SHEET 58 OF 113 SHEETS
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CHECKED BY: SJK	PROJECT DESCRIPTION COUNTY ROAD REALIGNMENT
APPROVED BY: _____	
PROJECT NUMBER: 120-010154	
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Signature Date:

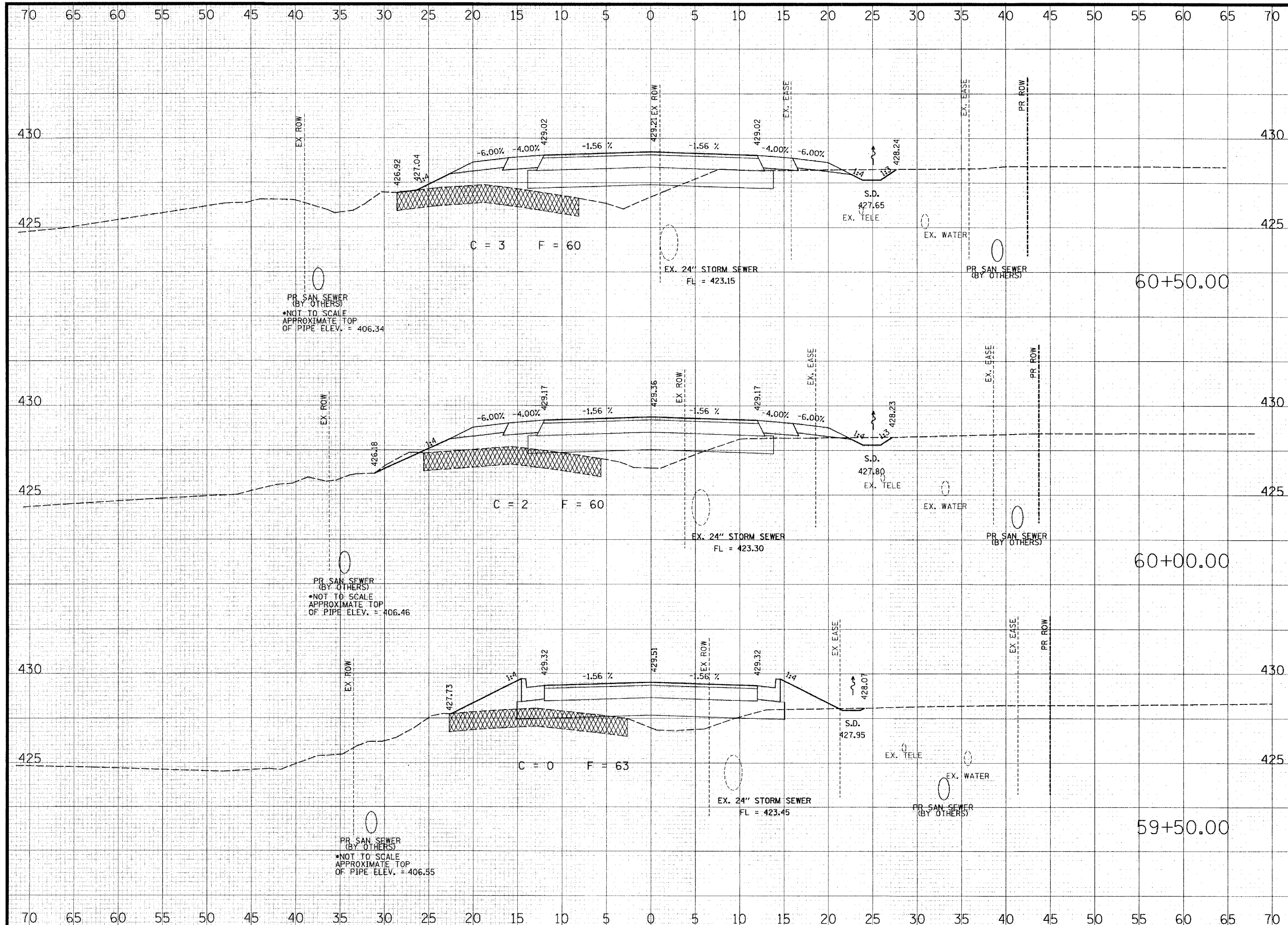
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COUNTY ROAD CROSS SECTIONS

COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
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DRAWN BY: JWS	SHEET 59 OF 113 SHEETS
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CHECKED BY: SJK	PROJECT DESCRIPTION COUNTY ROAD REALIGNMENT
APPROVED BY:	PROJECT NUMBER: 20-010154
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
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PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
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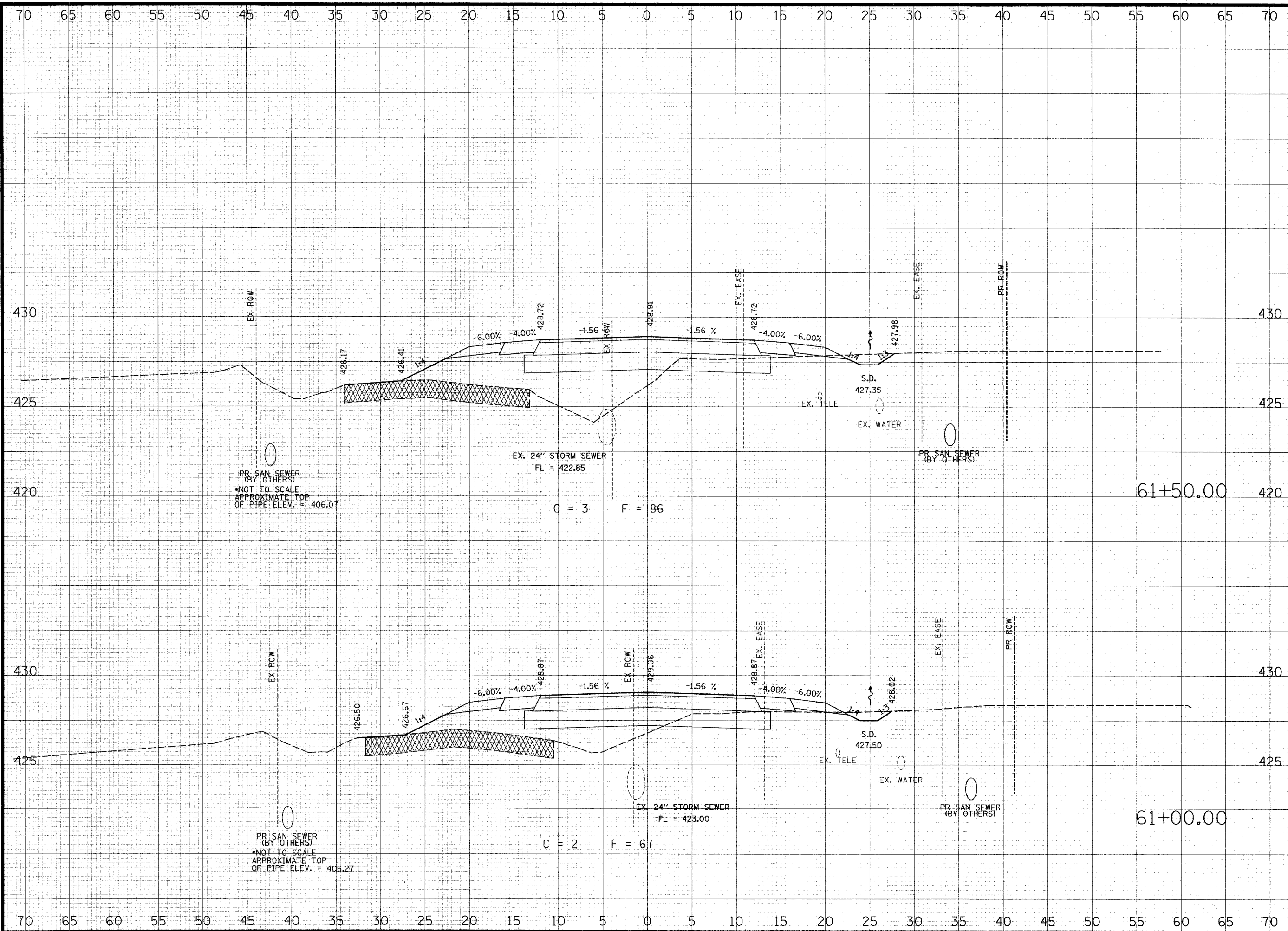
COUNTY ROAD CROSS SECTIONS

COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION

DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	60
CHECKED BY: SJK	OF 113 SHEETS
APPROVED BY:	PROJECT DESCRIPTION
PROJECT NUMBER: 20-010154	COUNTY ROAD REALIGNMENT

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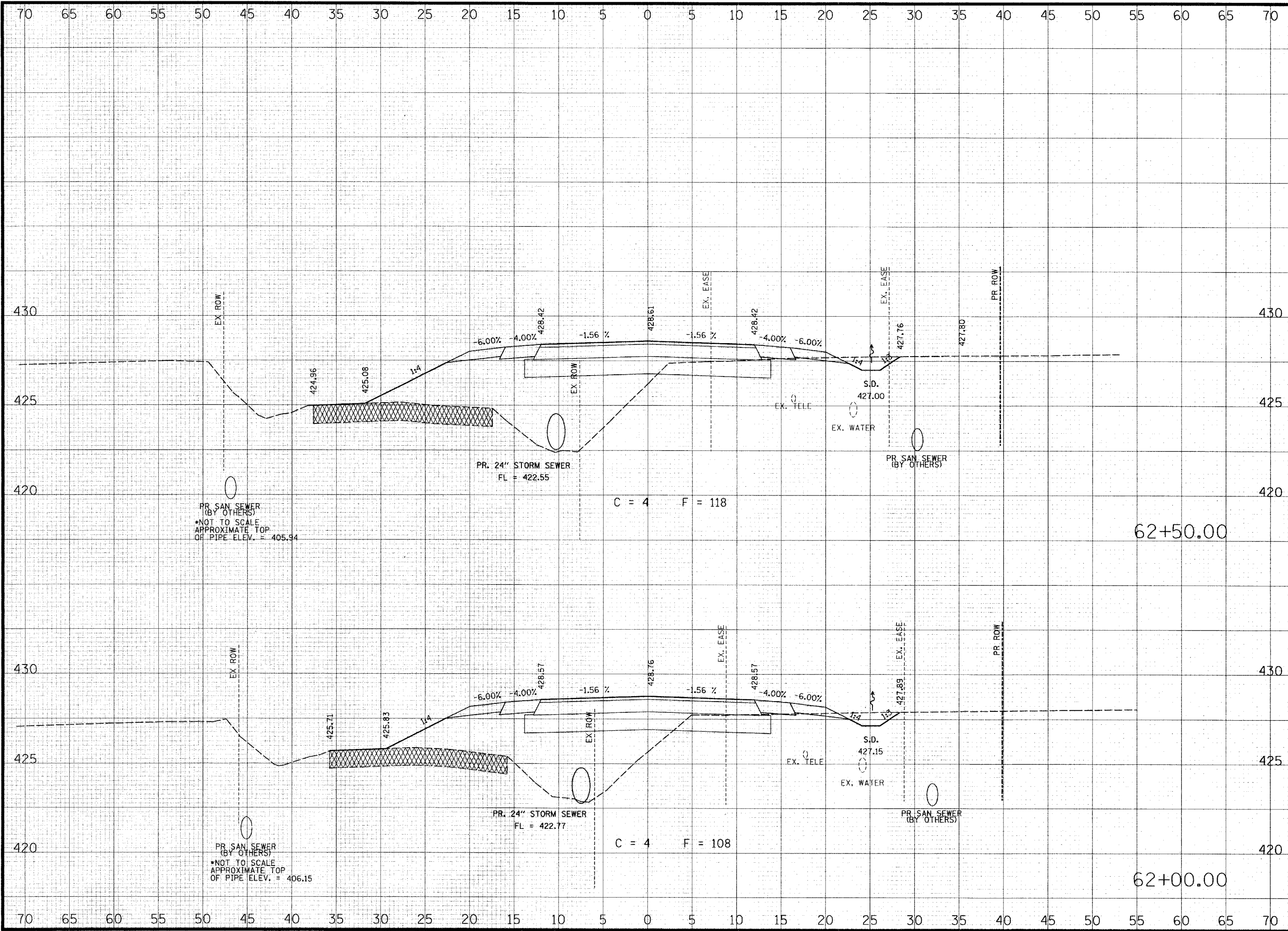
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CITY OF MASCOUTAH
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DRAWN BY: JWS	SHEET 61 OF 113 SHEETS
DESIGNED BY: JWS	
CHECKED BY: SJK	PROJECT DESCRIPTION COUNTY ROAD REALIGNMENT
APPROVED BY:	
PROJECT NUMBER: 20-010154	
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PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	MC 001528
MISSOURI LAND SURVEYING CORP.	MC 000346

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Renewal Date:
Signature Date:

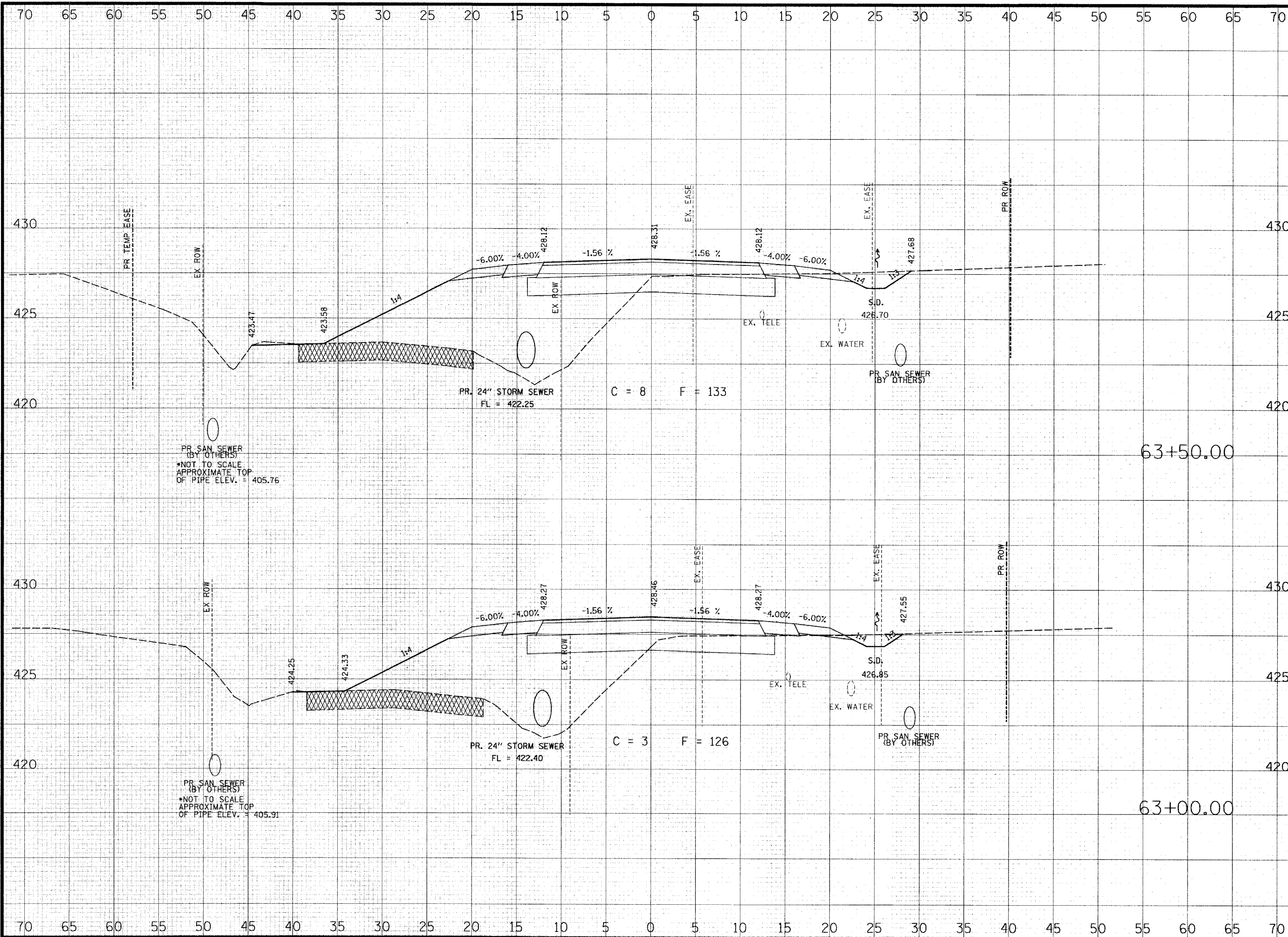
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COUNTY ROAD CROSS SECTIONS

COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
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DRAWN BY: JWS	SHEET 62 OF 113 SHEETS
DESIGNED BY: JWS	
CHECKED BY: SJK	PROJECT DESCRIPTION COUNTY ROAD REALIGNMENT
APPROVED BY:	
PROJECT NUMBER: 120-010154	
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



PR. SAN SEWER (BY OTHERS)
 *NOT TO SCALE
 APPROXIMATE TOP
 OF PIPE ELEV. = 405.76

PR. SAN SEWER (BY OTHERS)
 *NOT TO SCALE
 APPROXIMATE TOP
 OF PIPE ELEV. = 405.91

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MISSOURI PROFESSIONAL ENGR. CORP.	MC 001528
MISSOURI LAND SURVEYING CORP.	MC 000346

SEAL

Renewal Date:
 Signature Date:

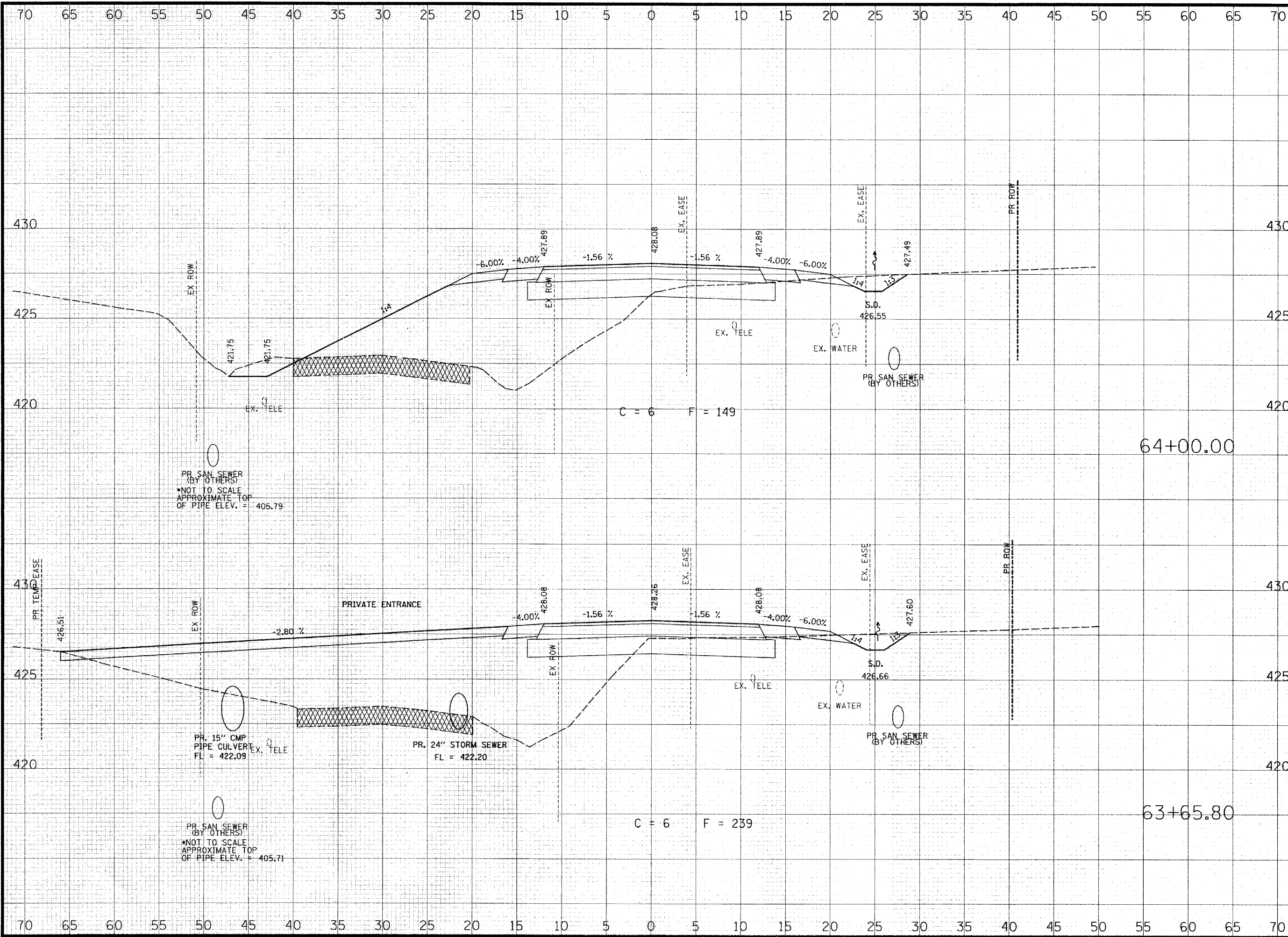
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TITLE
 COUNTY ROAD CROSS SECTIONS

PROJECT
 COUNTY ROAD RECONSTRUCTION - PHASE II
 CITY OF MASCOUTAH
 ST. CLAIR COUNTY, ILLINOIS

REV	DATE	DESCRIPTION
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DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	63
CHECKED BY: SJK	OF 113 SHEETS
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PROJECT NUMBER: 120-010154	COUNTY ROAD REALIGNMENT
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



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TITLE: COUNTY ROAD CROSS SECTIONS

PROJECT: COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
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DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	64
CHECKED BY: SJK	OF 113 SHEETS
APPROVED BY:	PROJECT DESCRIPTION
PROJECT NUMBER: T20-010154	COUNTY ROAD REALIGNMENT
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<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

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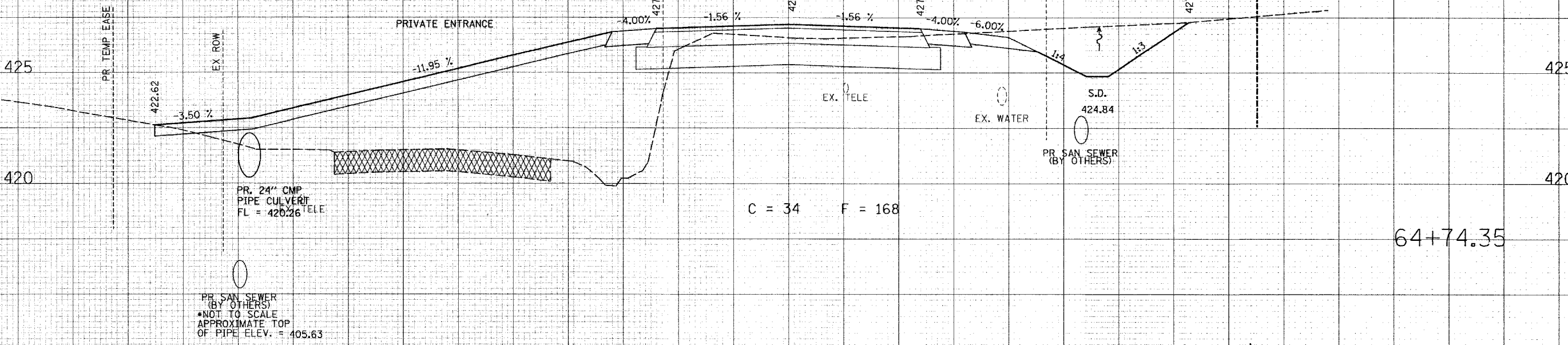
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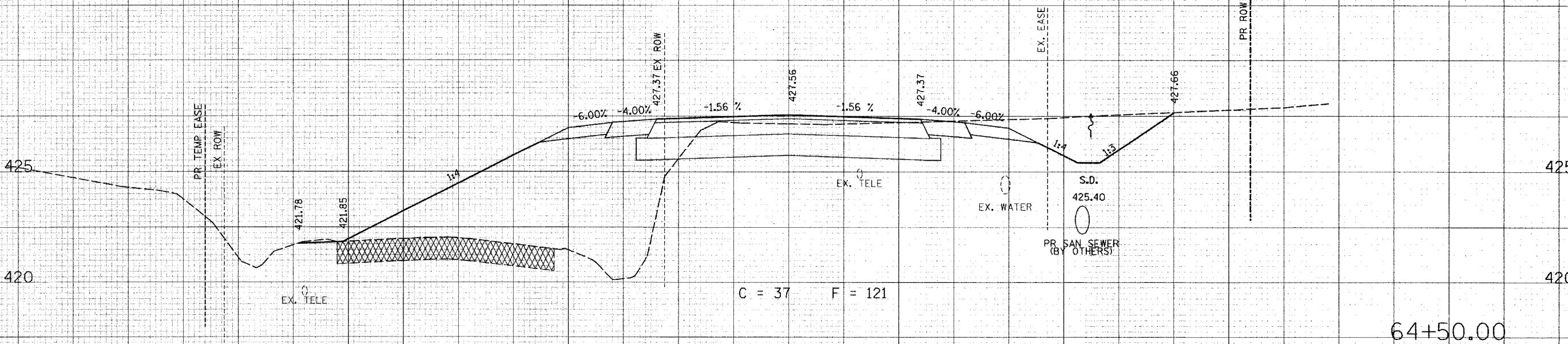
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64+74.35



64+50.00

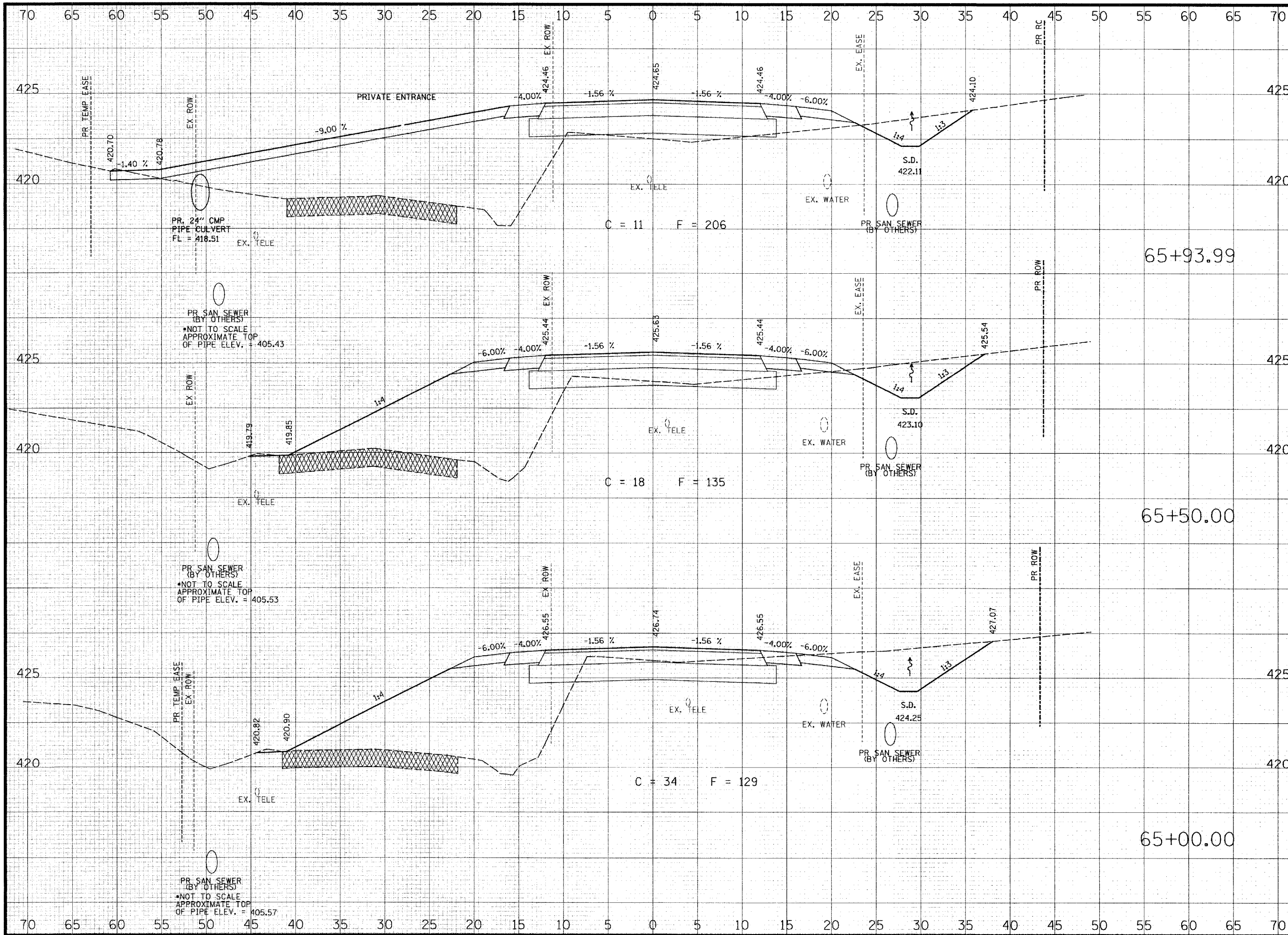
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**COUNTY ROAD
CROSS SECTIONS**

**COUNTY ROAD
RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS**

REV.	DATE	DESCRIPTION
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DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	65
CHECKED BY: SJK	OF 113 SHEETS
APPROVED BY:	PROJECT DESCRIPTION
PROJECT NUMBER: 120-010154	COUNTY ROAD REALIGNMENT
<input type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



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ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

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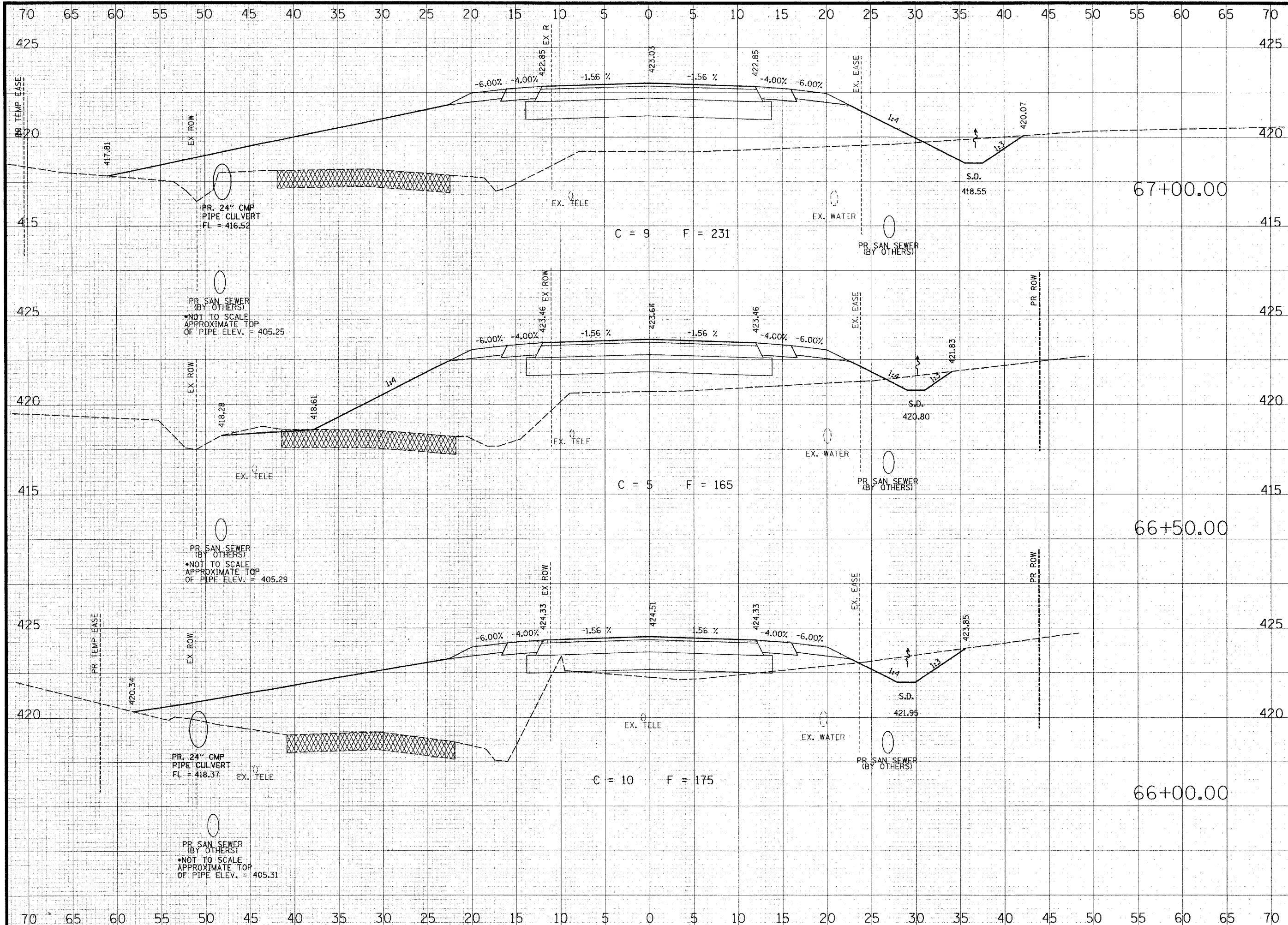
TITLE: COUNTY ROAD CROSS SECTIONS

PROJECT: COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
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DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	66
CHECKED BY: SJK	OF 113 SHEETS
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PROJECT NUMBER: T20-010154	COUNTY ROAD REALIGNMENT

ISSUED FOR REVIEW ISSUED FOR BIDDING
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MISSOURI PROFESSIONAL ENGR. CORP.	MC 001528
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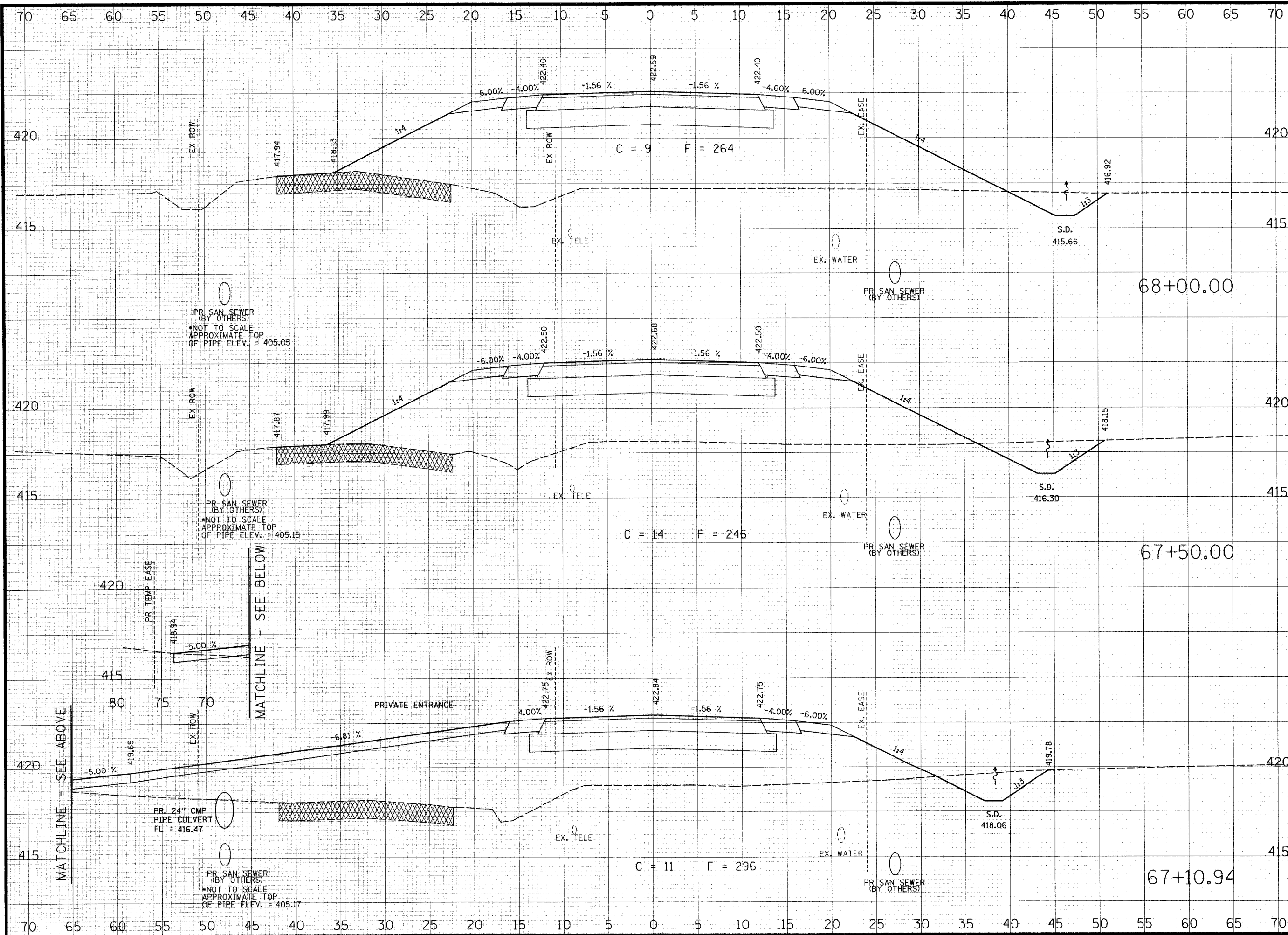
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TITLE: COUNTY ROAD CROSS SECTIONS

PROJECT: COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
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DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	67
CHECKED BY: SJK	OF 113 SHEETS
APPROVED BY: _____	PROJECT DESCRIPTION
PROJECT NUMBER: 20-010154	COUNTY ROAD REALIGNMENT
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COUNTY ROAD CROSS SECTIONS

COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION

DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	68
CHECKED BY: SJK	OF 113 SHEETS
APPROVED BY:	PROJECT DESCRIPTION
PROJECT NUMBER: 20-010154	COUNTY ROAD REALIGNMENT
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
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70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

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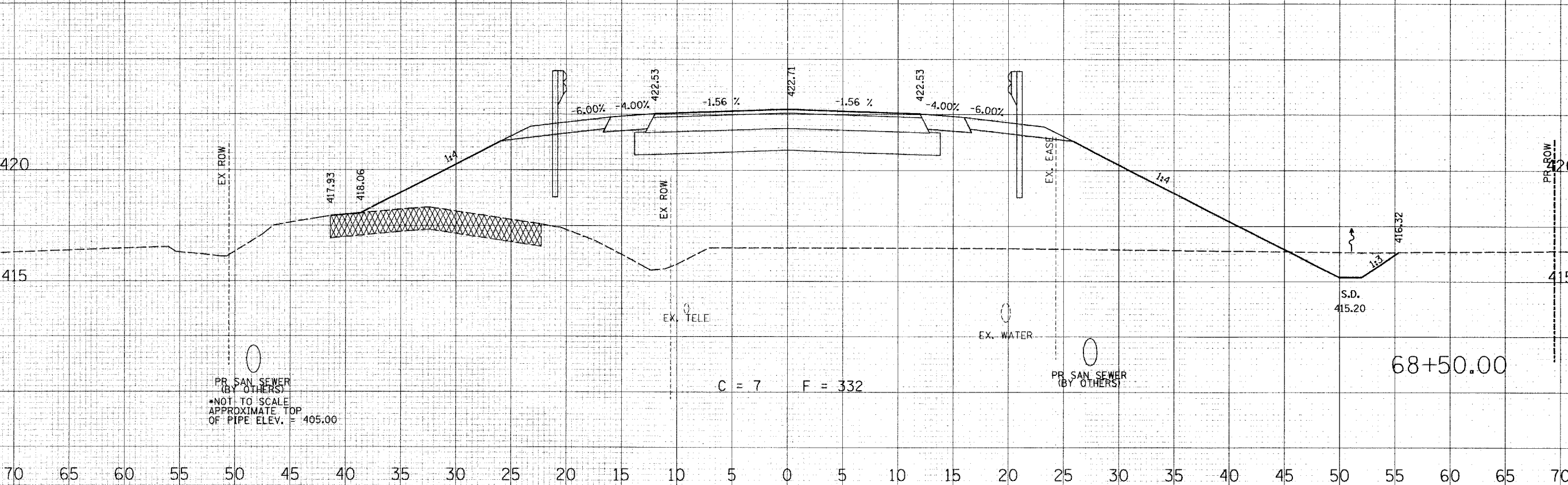
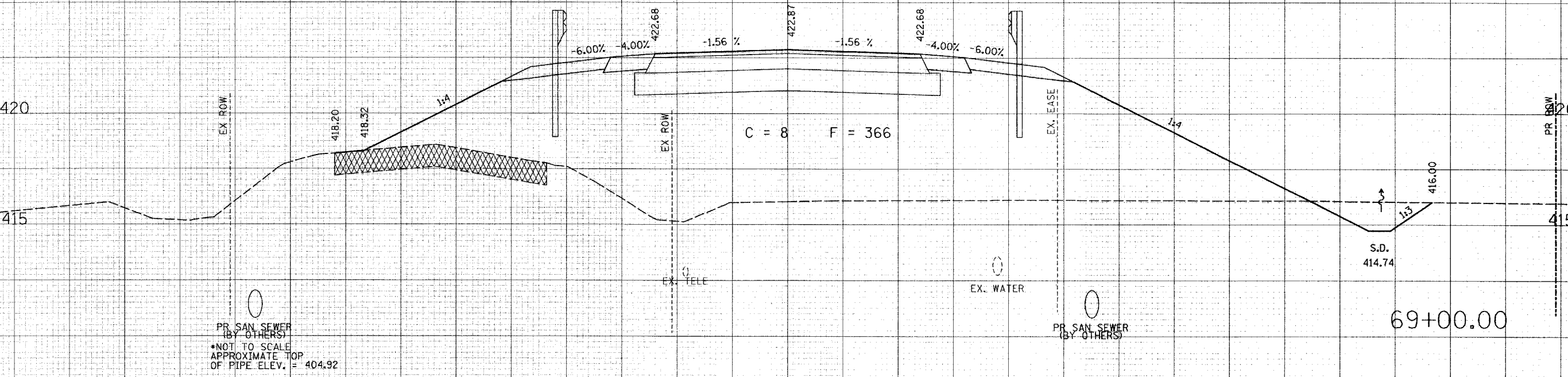
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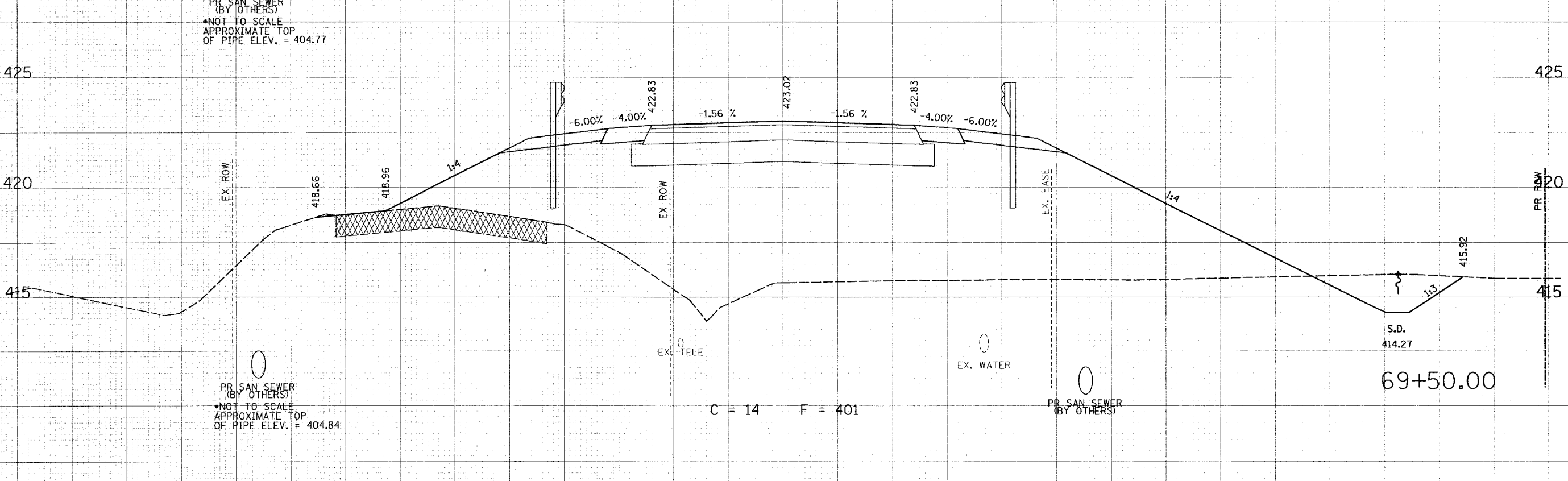
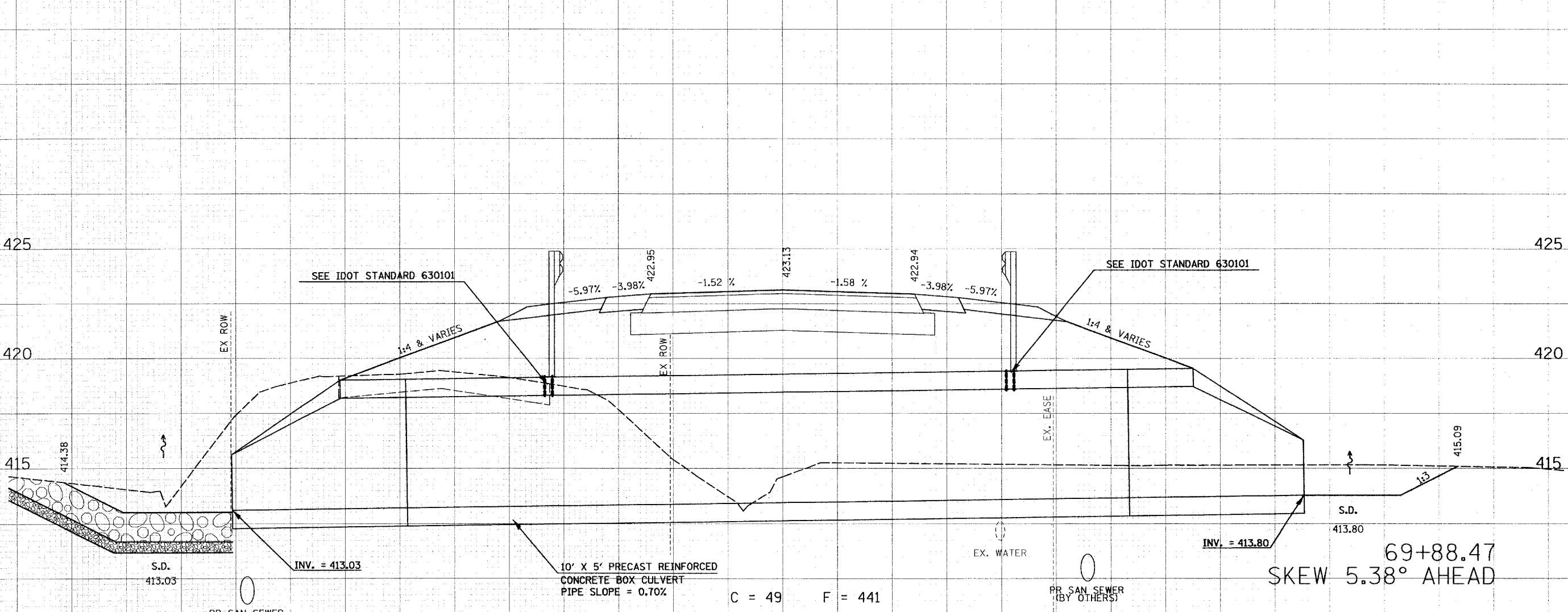
COUNTY ROAD CROSS SECTIONS

COUNTY ROAD RECONSTRUCTION - PHASE II
 CITY OF MASCOUTAH
 ST. CLAIR COUNTY, ILLINOIS

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DRAWN BY: JWS	SHEET
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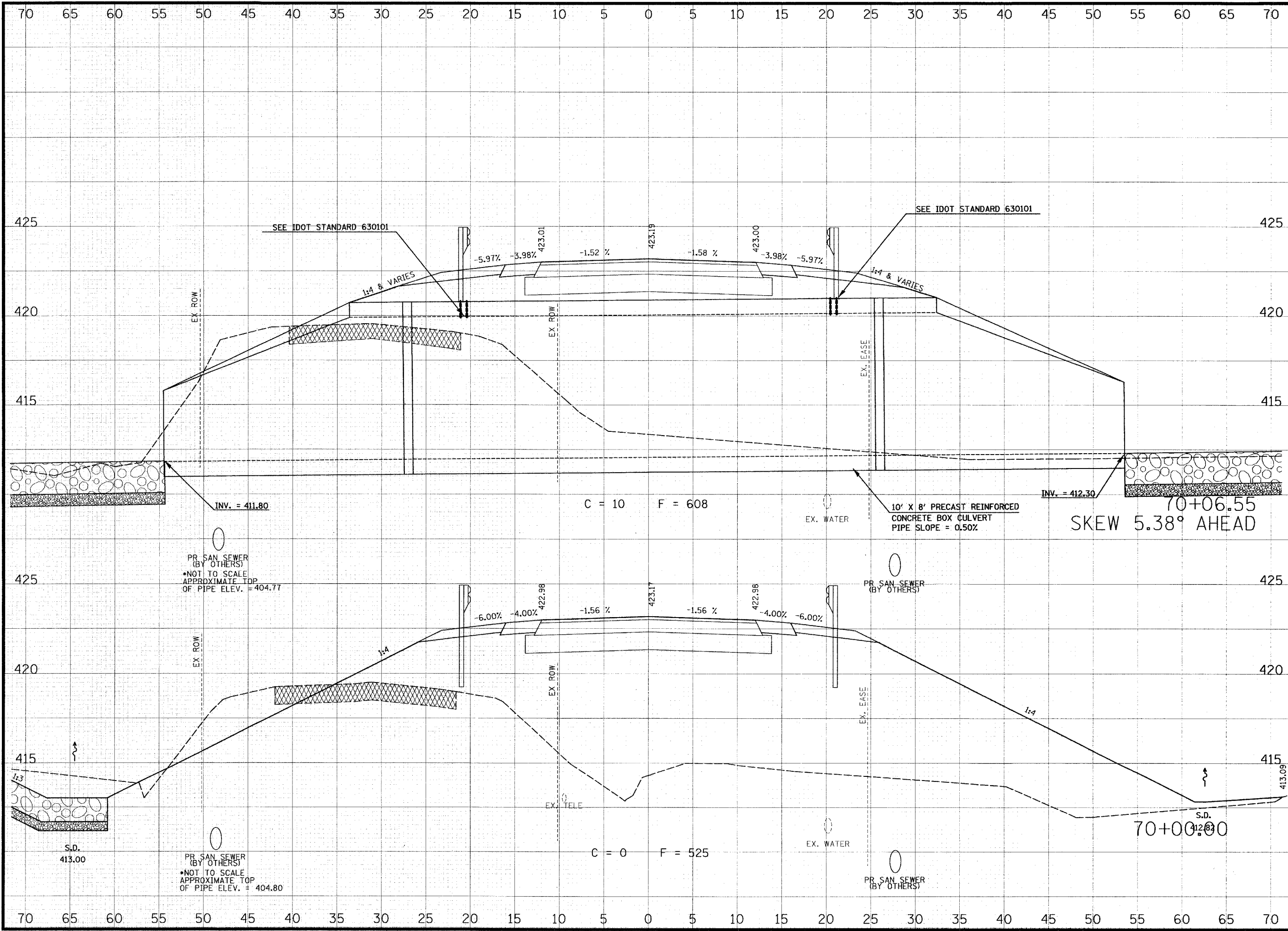
TITLE: COUNTY ROAD CROSS SECTIONS
PROJECT: COUNTY ROAD RECONSTRUCTION - PHASE II CITY OF MASCOUTAH ST. CLAIR COUNTY, ILLINOIS

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DESIGNED BY: JWS
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PROJECT NUMBER: 120-010154

SHEET 70 OF 113 SHEETS
PROJECT DESCRIPTION: COUNTY ROAD REALIGNMENT

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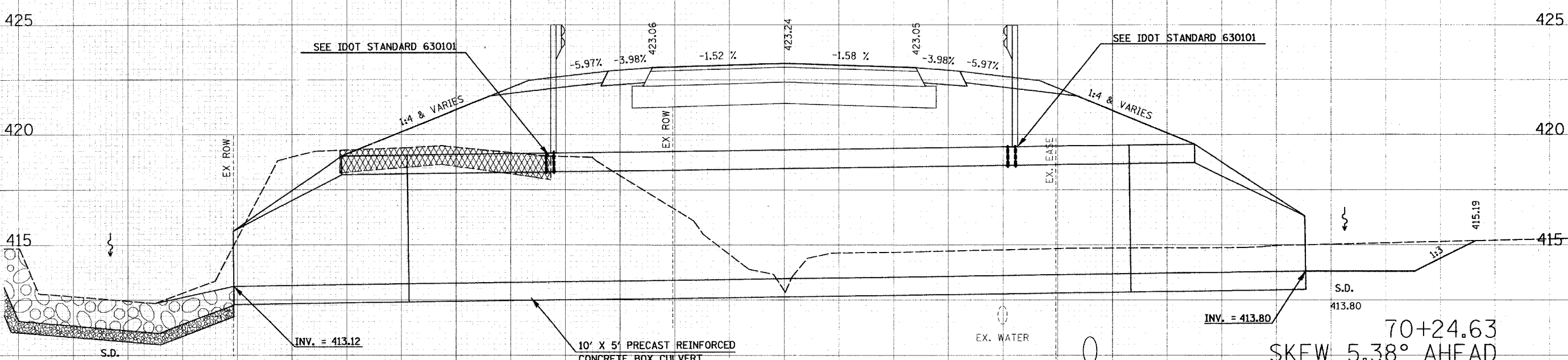
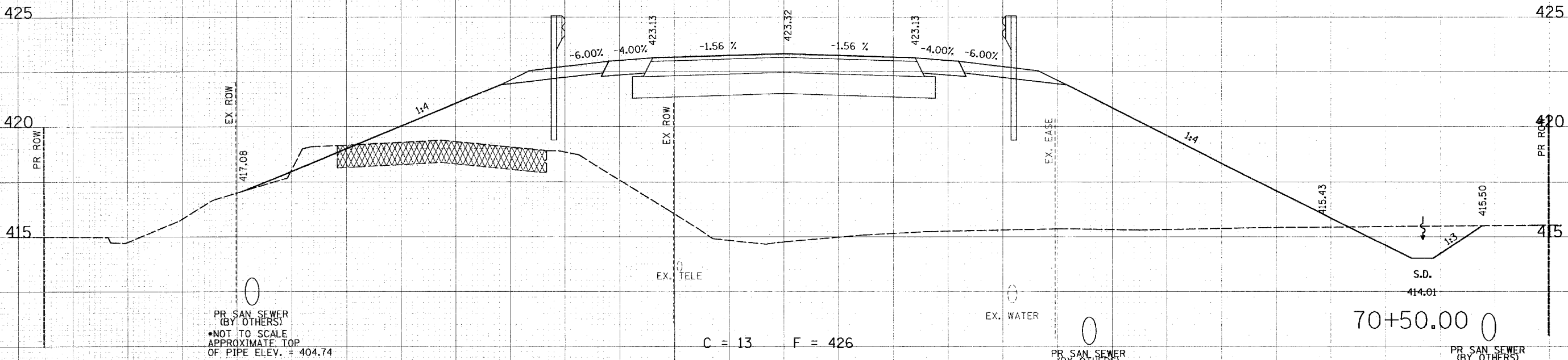
COUNTY ROAD CROSS SECTIONS

COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV	DATE	DESCRIPTION
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DRAWN BY: JWS	SHEET 71 OF 113 SHEETS
DESIGNED BY: JWS	
CHECKED BY: SJK	
APPROVED BY: _____	
PROJECT NUMBER: 20-010154	
PROJECT DESCRIPTION: COUNTY ROAD REALIGNMENT	
☒ ISSUED FOR REVIEW	☐ ISSUED FOR BIDDING
☐ ISSUED FOR CONSTR.	☐ RECORD DRAWING

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70



70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

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PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	MC 001528
MISSOURI LAND SURVEYING CORP.	MC 000346

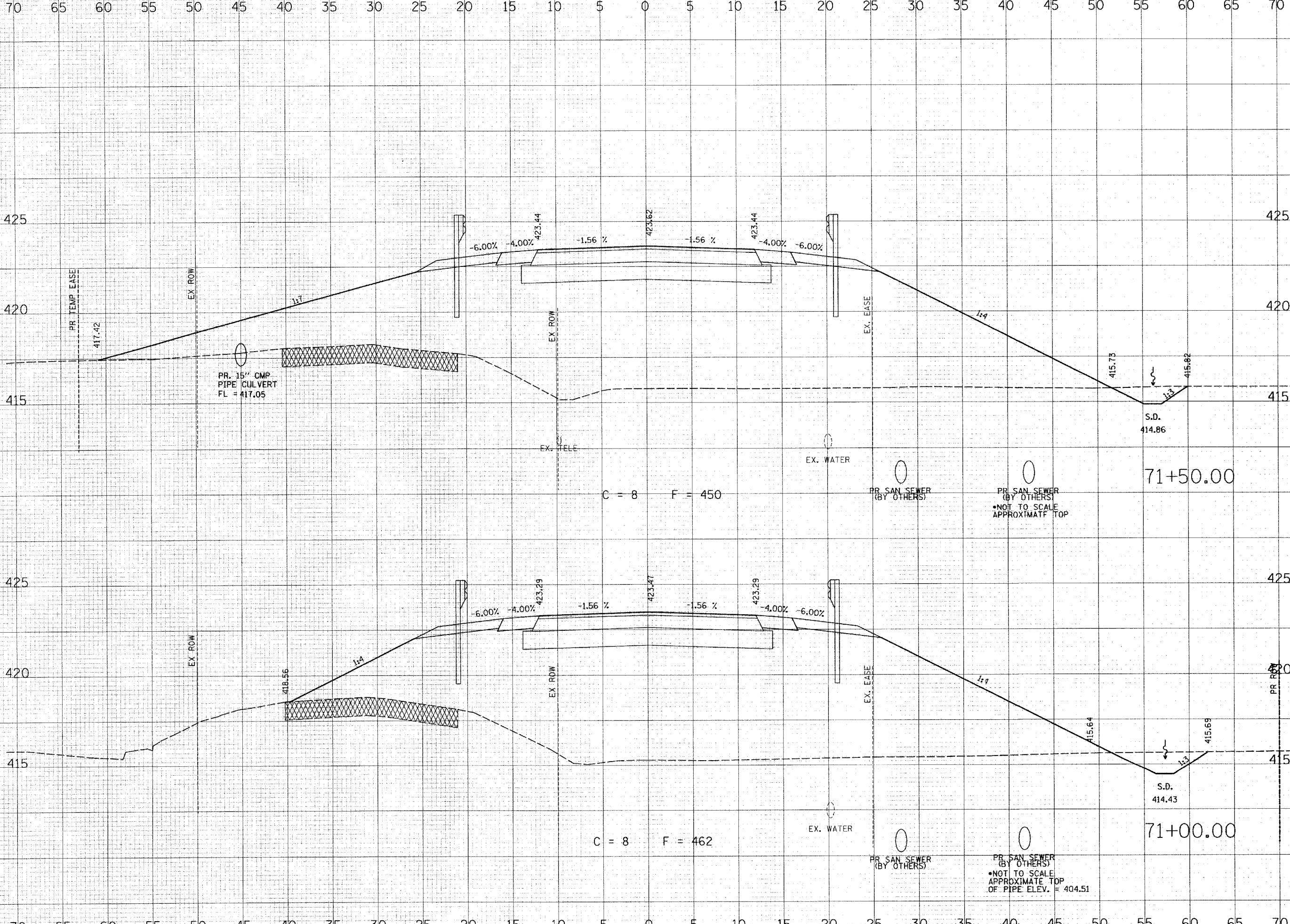
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TITLE: COUNTY ROAD CROSS SECTIONS
PROJECT: COUNTY ROAD RECONSTRUCTION - PHASE II CITY OF MASCOUTAH ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
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DRAWN BY	JWS	SHEET	72
DESIGNED BY	JWS	OF 113 SHEETS	
CHECKED BY	SJK	PROJECT DESCRIPTION	COUNTY ROAD REALIGNMENT
APPROVED BY		PROJECT NUMBER	20-010154
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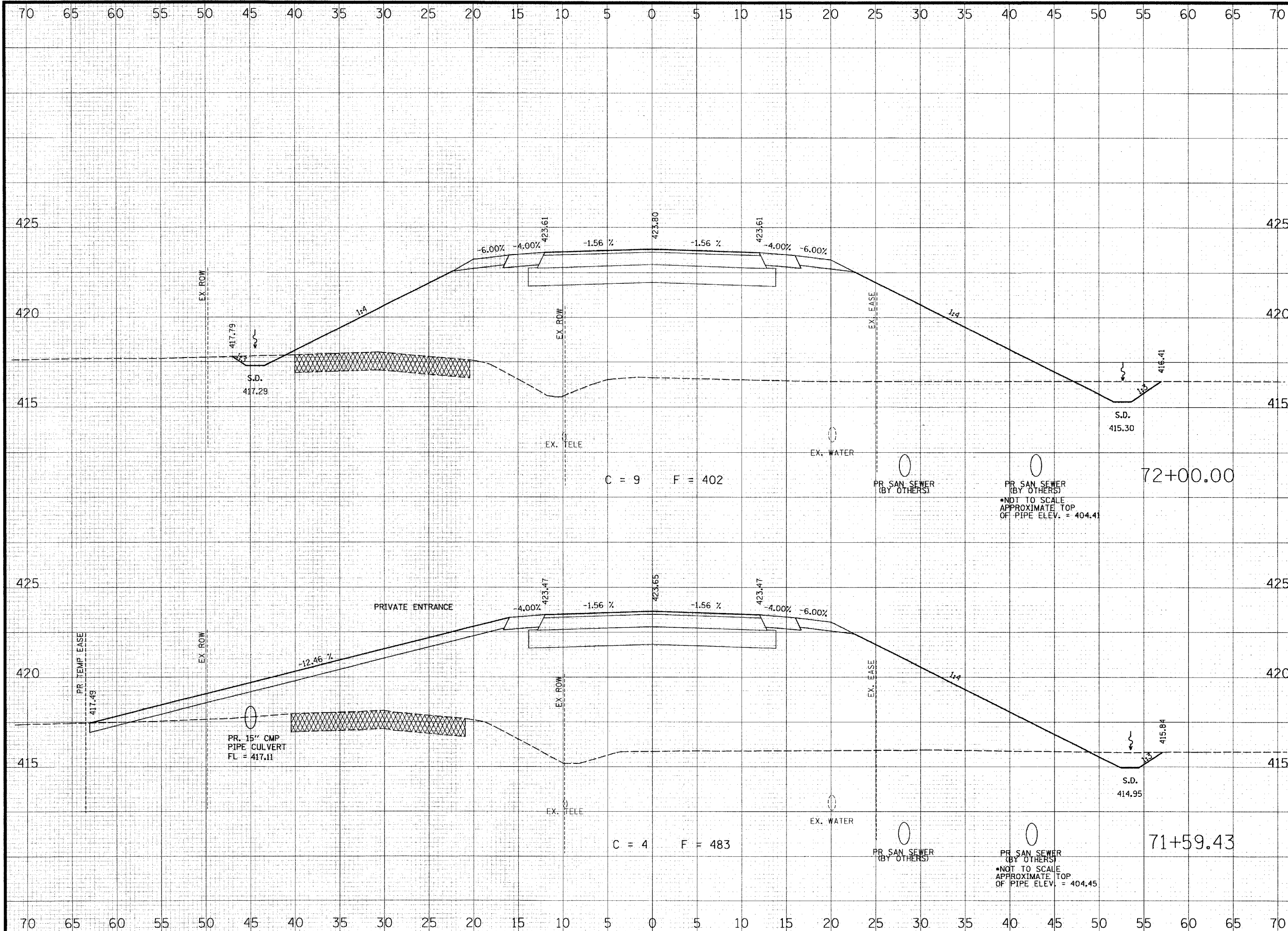
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COUNTY ROAD CROSS SECTIONS

COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
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DRAWN BY: JWS	DESIGNED BY: JWS	CHECKED BY: SJK	APPROVED BY:	SHEET 73 OF 113 SHEETS
PROJECT NUMBER: 20-010154				PROJECT DESCRIPTION: COUNTY ROAD REALIGNMENT
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MISSOURI LAND SURVEYING CORP.	NC 000346

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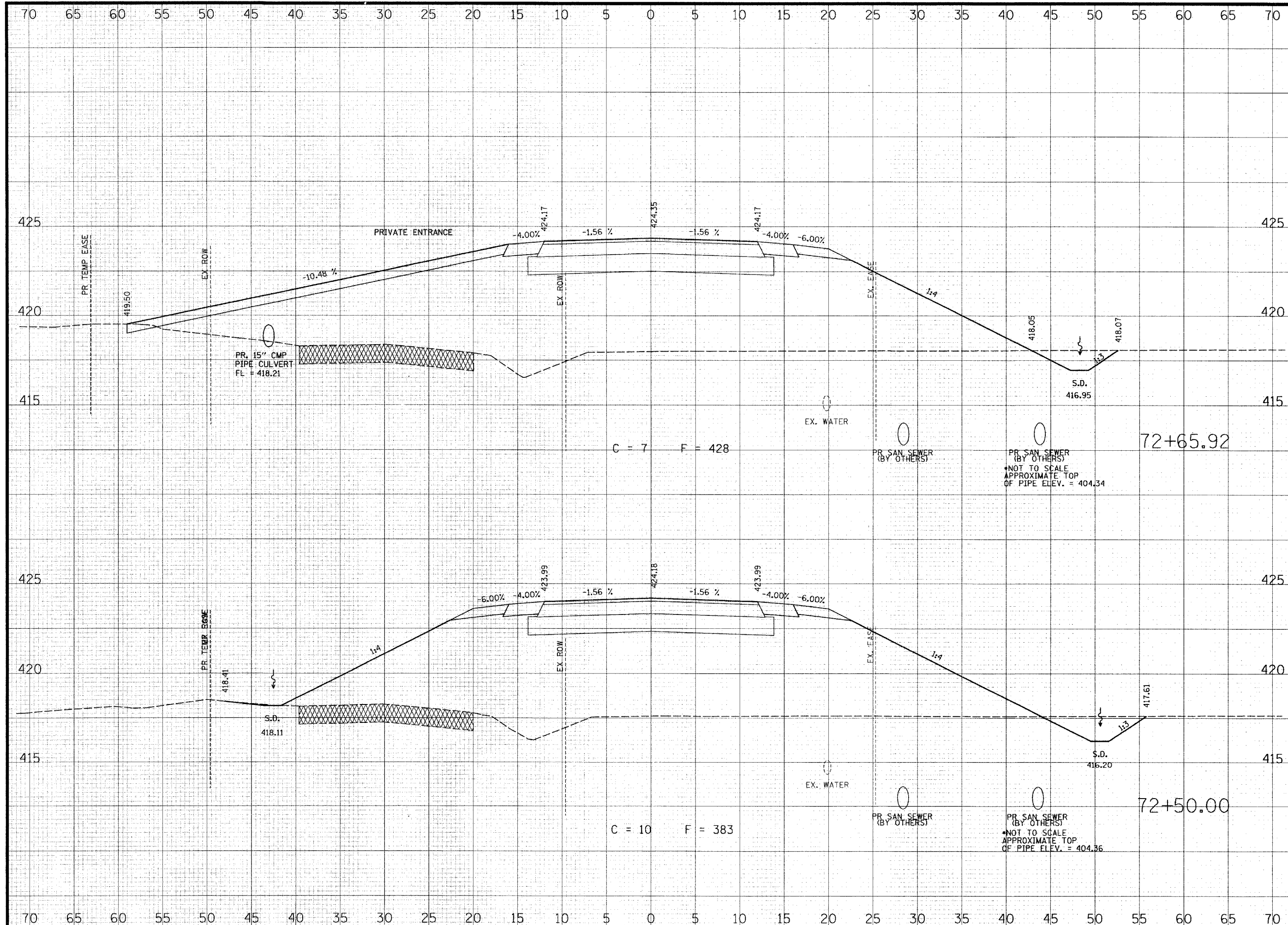
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TITLE: COUNTY ROAD CROSS SECTIONS

PROJECT: COUNTY ROAD RECONSTRUCTION - PHASE II
 CITY OF MASCOUTAH
 ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
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DRAWN BY: JWS	SHEET 74 OF 113 SHEETS
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CHECKED BY: SJK	PROJECT DESCRIPTION COUNTY ROAD REALIGNMENT
APPROVED BY:	
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TITLE
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PROJECT:
 COUNTY ROAD RECONSTRUCTION - PHASE II
 CITY OF MASCOUTAH
 ST. CLAIR COUNTY, ILLINOIS

REV	DATE	DESCRIPTION

DRAWN BY: JWS	SHEET 75 OF 113 SHEETS
DESIGNED BY: JWS	
CHECKED BY: SJK	
APPROVED BY: _____	
PROJECT NUMBER: 120-010154	PROJECT DESCRIPTION: COUNTY ROAD REALIGNMENT

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MISSOURI PROFESSIONAL ENGR. CORP.	MC 001528
MISSOURI LAND SURVEYING CORP.	MC 000346

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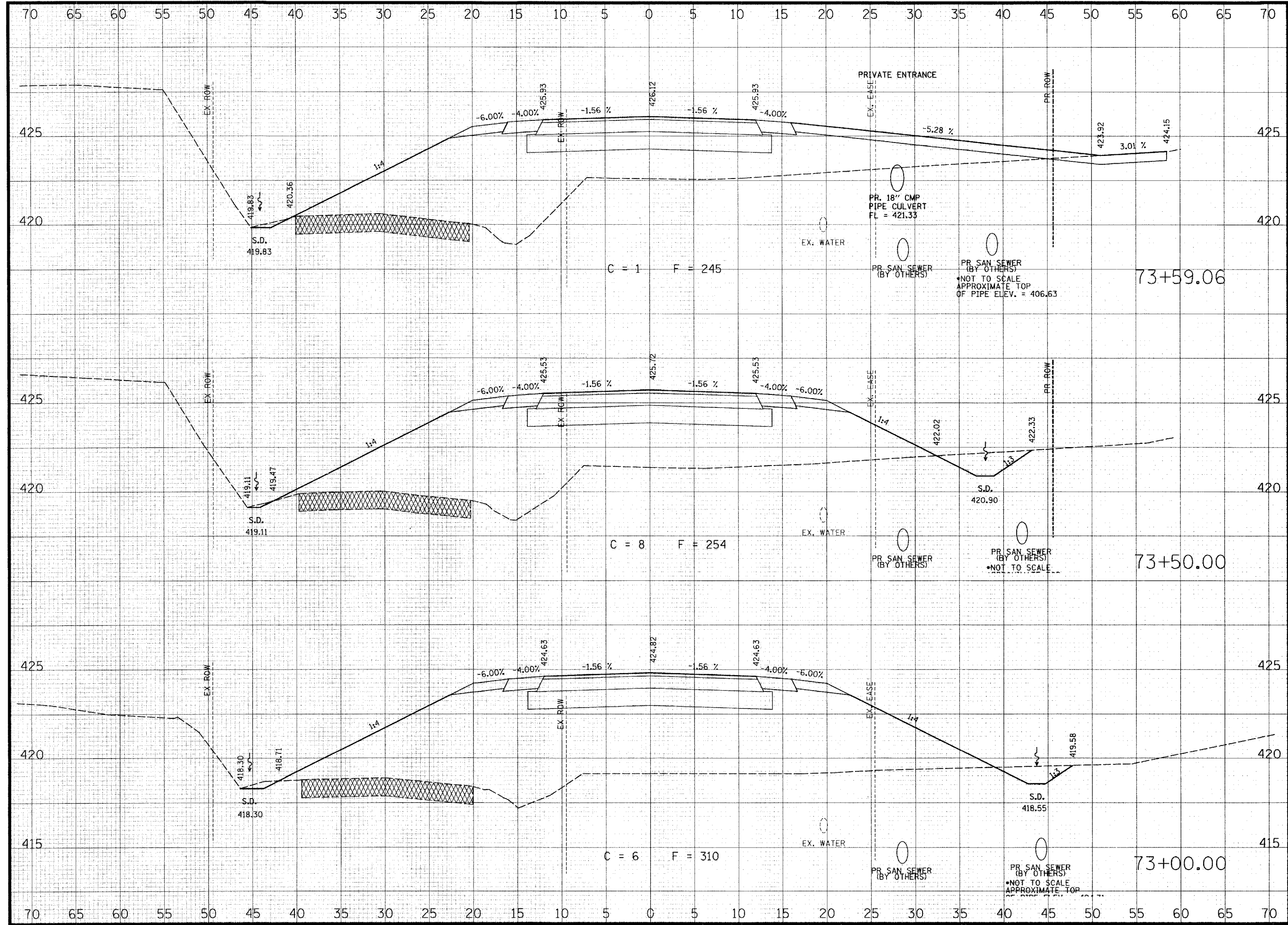
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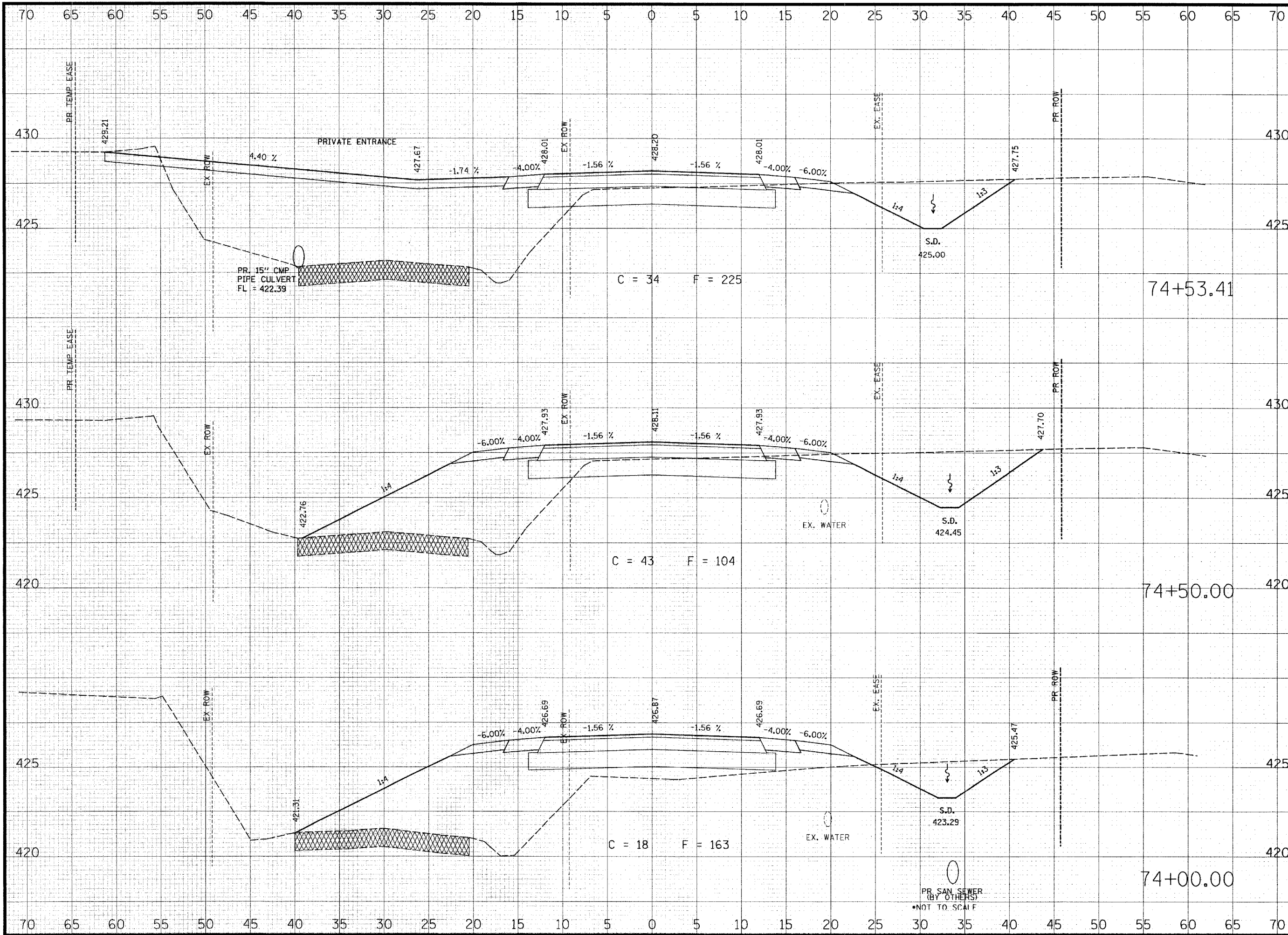
COUNTY ROAD CROSS SECTIONS

COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV	DATE	DESCRIPTION
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DRAWN BY: JWS	DESIGNED BY: JWS	CHECKED BY: SJK	APPROVED BY: _____	PROJECT NUMBER: 120-010154
PROJECT DESCRIPTION: COUNTY ROAD REALIGNMENT				SHEET 76 OF 113 SHEETS
<input checked="" type="checkbox"/> ISSUED FOR REVIEW		<input type="checkbox"/> ISSUED FOR BIDDING		<input type="checkbox"/> RECORDED DRAWING





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MISSOURI PROFESSIONAL ENGR. CORP.	MC 001528
MISSOURI LAND SURVEYING CORP.	MC 000346

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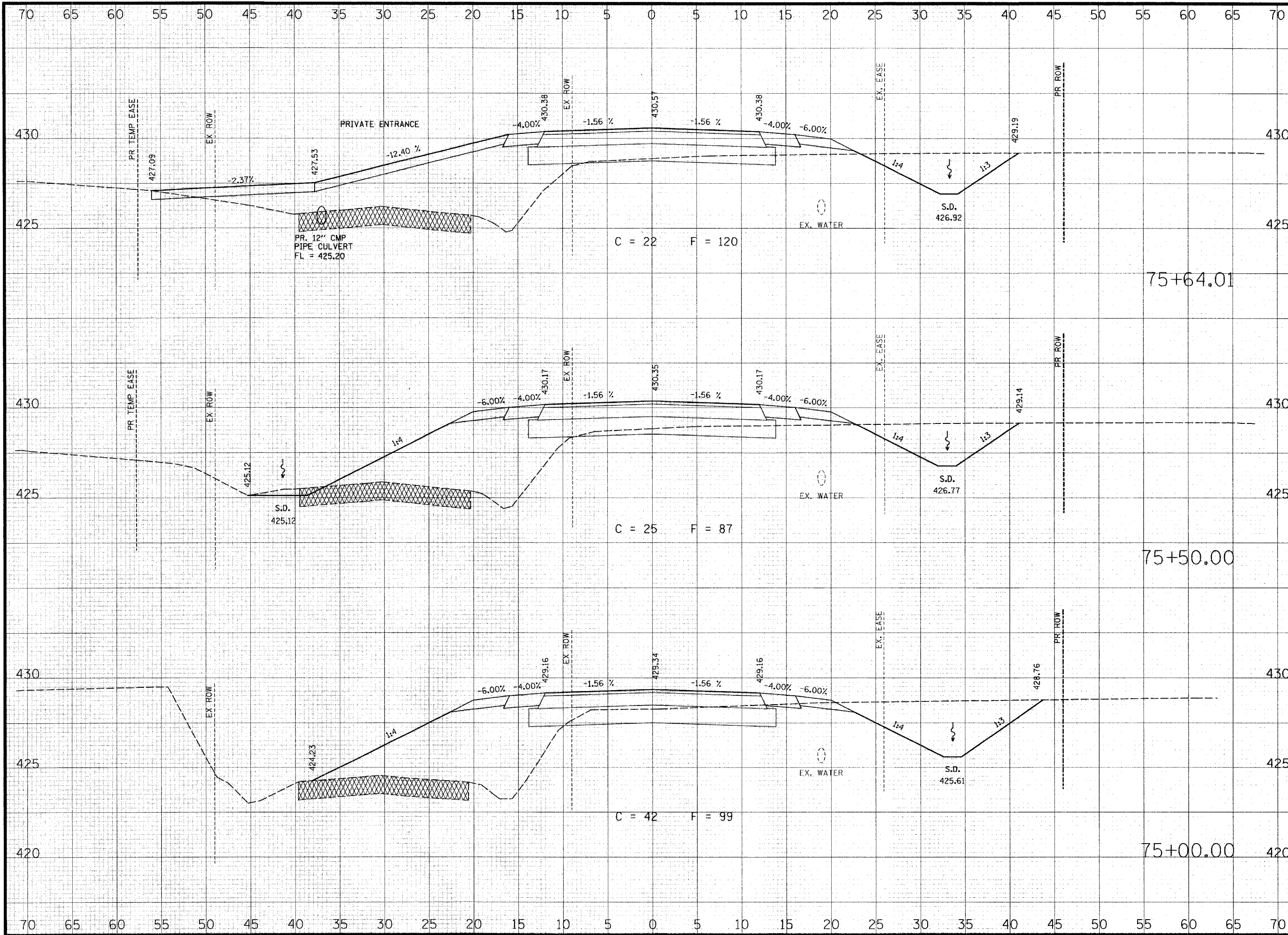
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TITLE:
COUNTY ROAD CROSS SECTIONS

PROJECT:
COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
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DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	77
CHECKED BY: SJK	OF 113 SHEETS
APPROVED BY:	PROJECT DESCRIPTION
PROJECT NUMBER: 20-010154	COUNTY ROAD REALIGNMENT
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MISSOURI LAND SURVEYING CORP.	NC 000346

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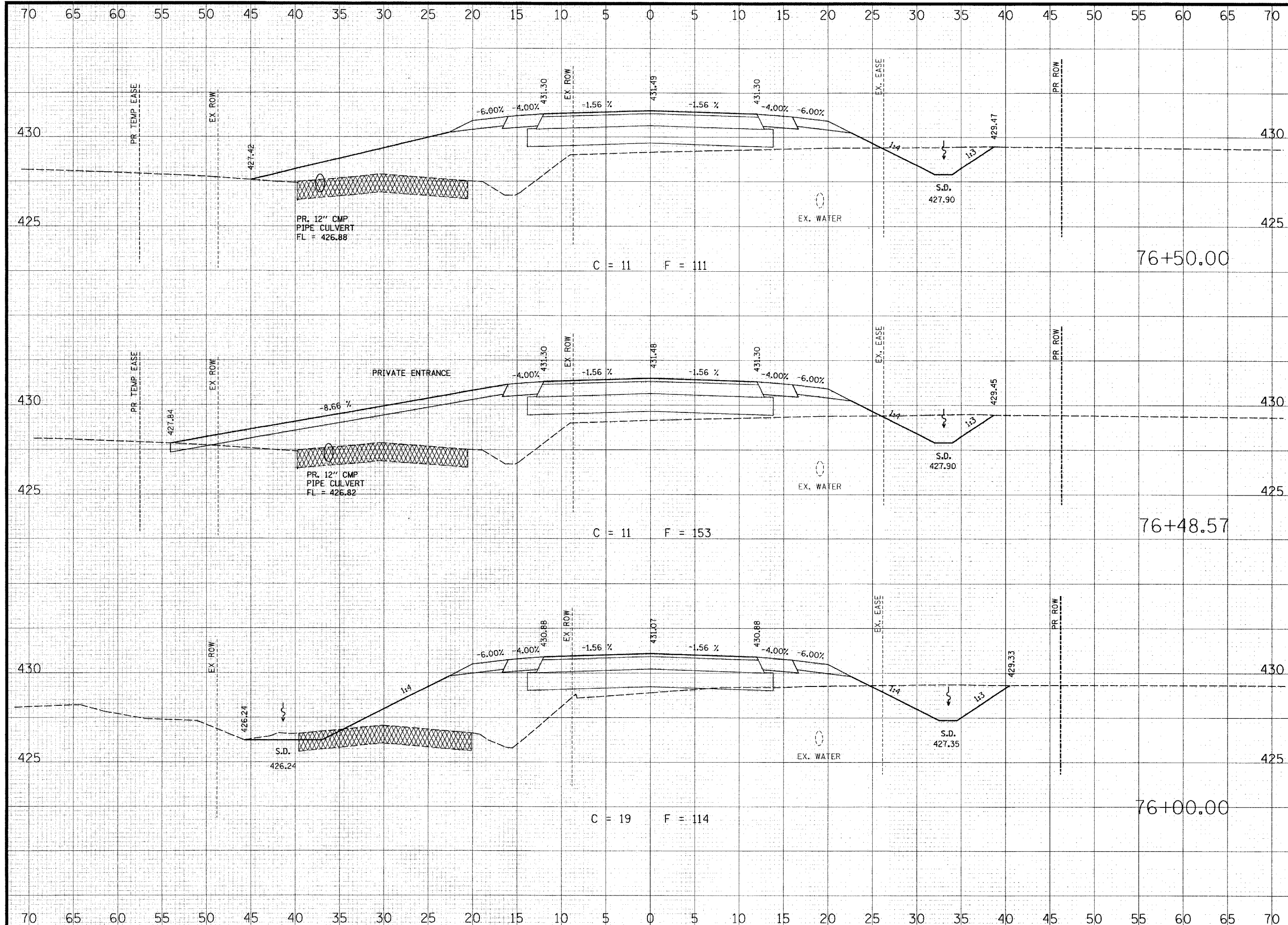
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COUNTY ROAD CROSS SECTIONS

COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
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DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	78
CHECKED BY: SJK	OF 113 SHEETS
APPROVED BY:	PROJECT DESCRIPTION
PROJECT NUMBER: 20-010154	COUNTY ROAD REALIGNMENT
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



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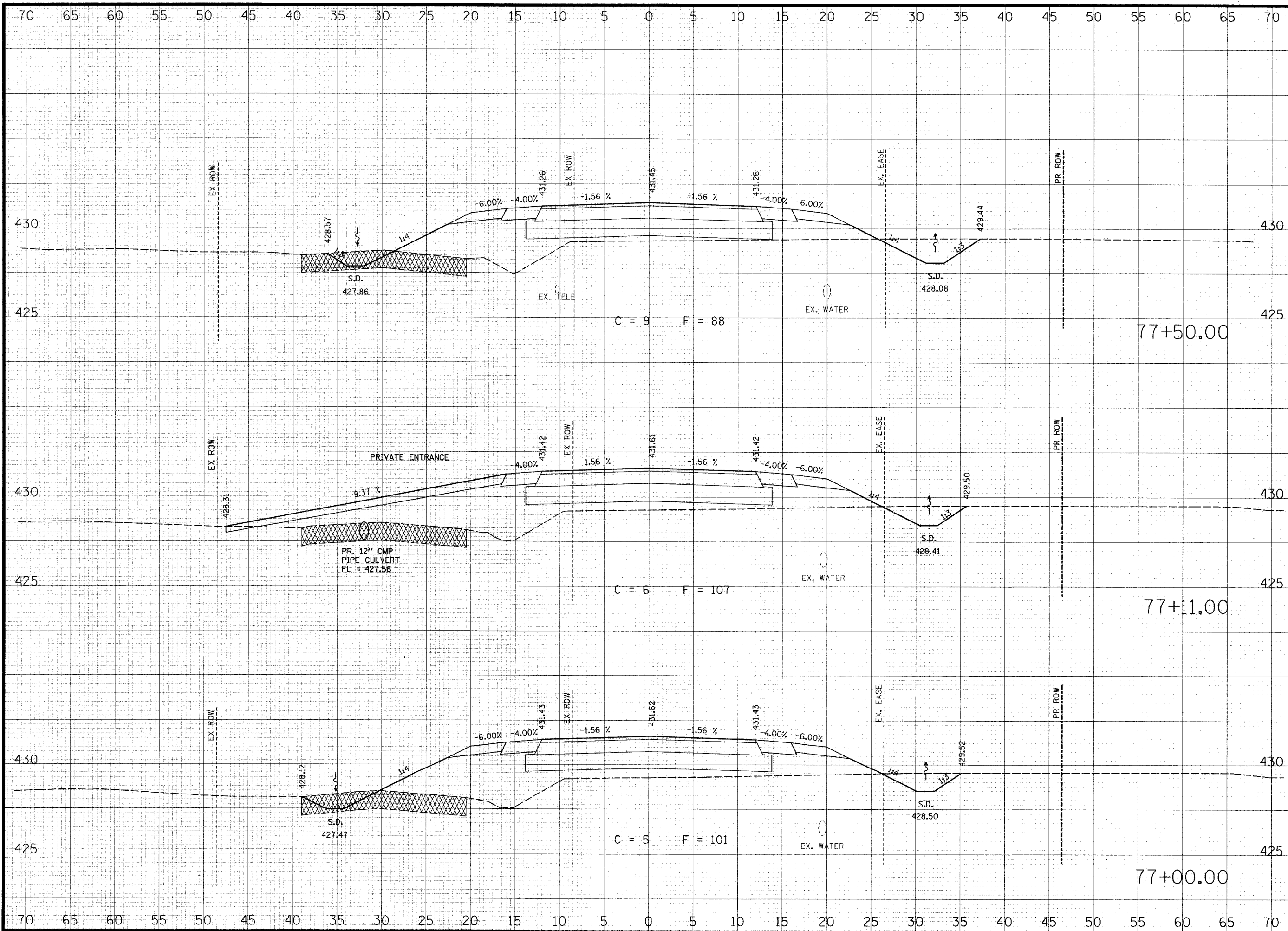
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TITLE:
COUNTY ROAD CROSS SECTIONS

PROJECT:
COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION

DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	79
CHECKED BY: SJK	OF 113 SHEETS
APPROVED BY:	PROJECT DESCRIPTION
PROJECT NUMBER: 20-010154	COUNTY ROAD REALIGNMENT
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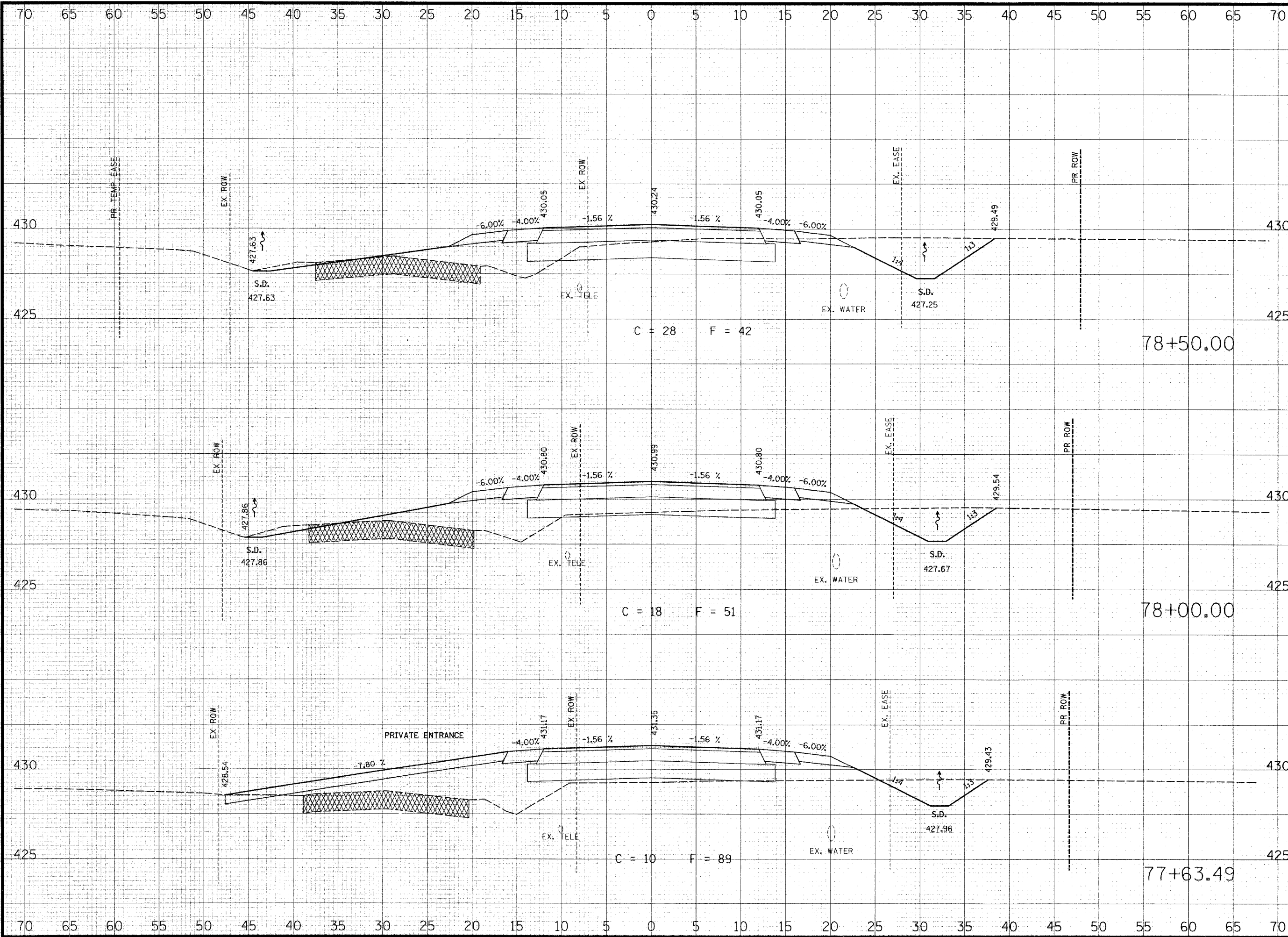
DRAWN BY: JWS
DESIGNED BY: JWS
CHECKED BY: SUK
APPROVED BY: _____

PROJECT NUMBER: 20-010154

SHEET
80
OF 113 SHEETS

PROJECT DESCRIPTION:
COUNTY ROAD REALIGNMENT

ISSUED FOR REVIEW ISSUED FOR BIDDING
 ISSUED FOR CONSTR. RECORD DRAWING



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Renewal Date:
Signature Date:

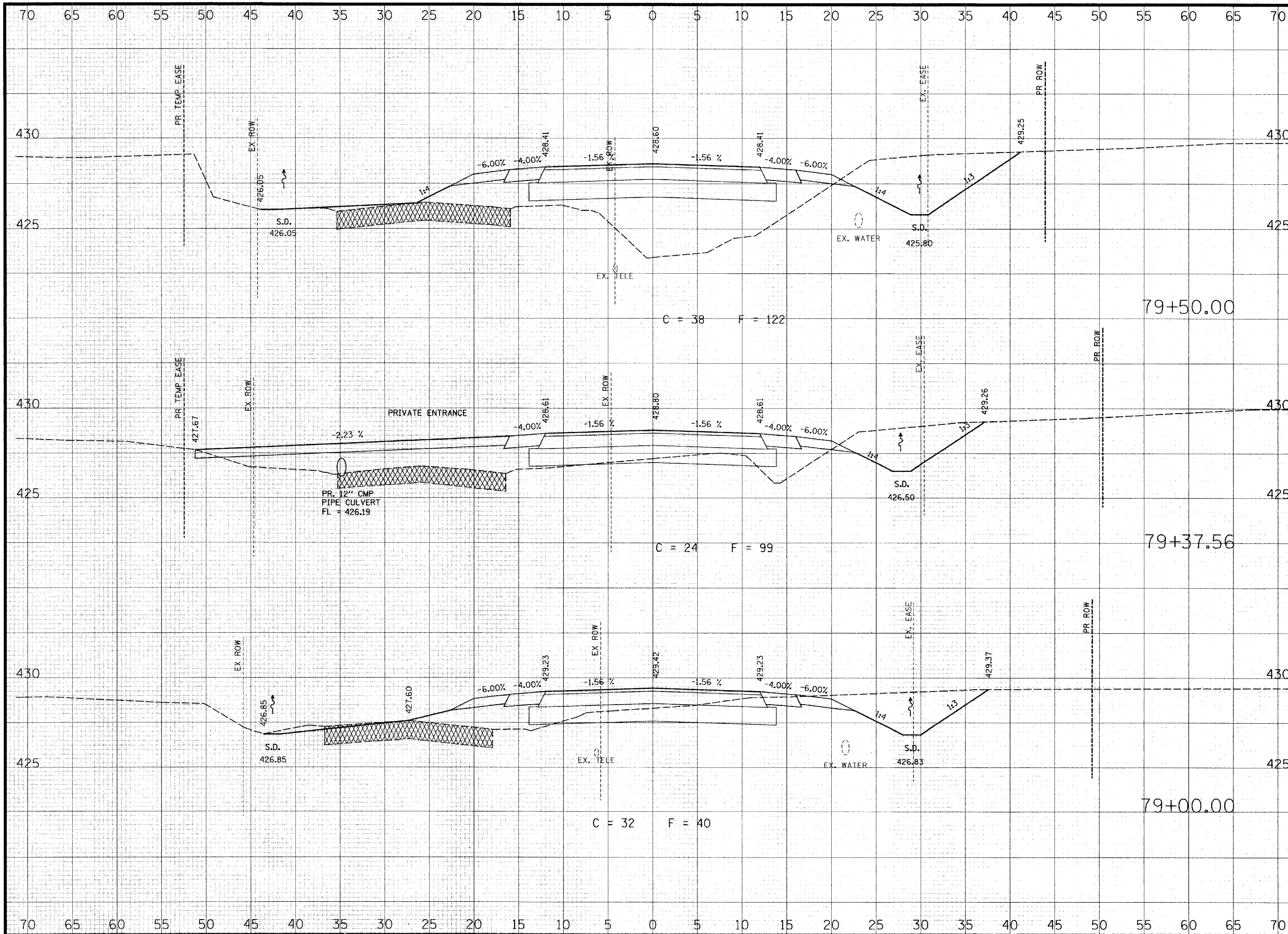
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TITLE: COUNTY ROAD CROSS SECTIONS

PROJECT: COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
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DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	81
CHECKED BY: SJK	OF 113 SHEETS
APPROVED BY:	PROJECT DESCRIPTION
PROJECT NUMBER: 120-010154	COUNTY ROAD REALIGNMENT
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



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ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 008346

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Renewal Date:
Signature Date:

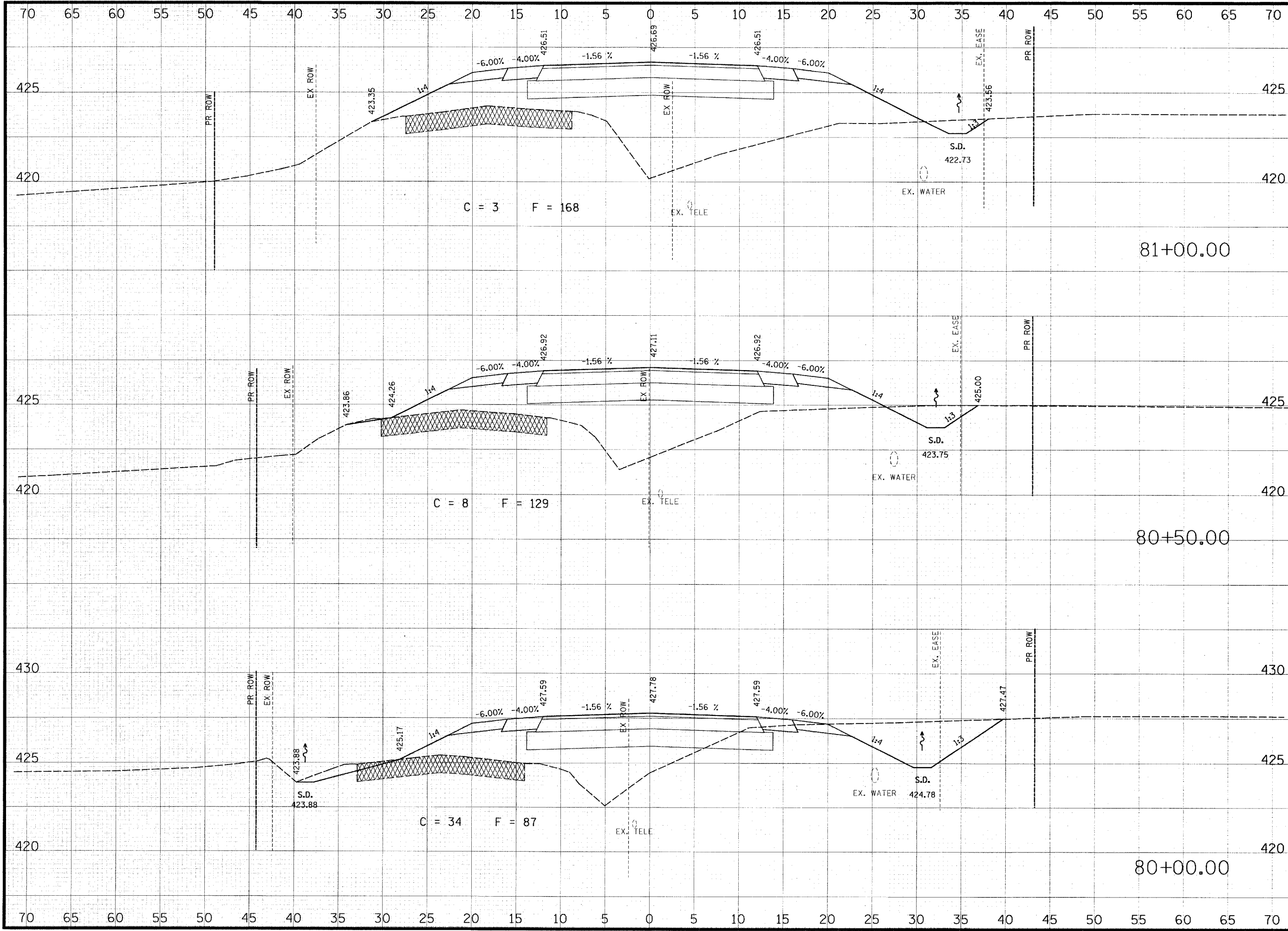
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COUNTY ROAD CROSS SECTIONS

COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV	DATE	DESCRIPTION
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DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	82
CHECKED BY: SJK	OF 113 SHEETS
APPROVED BY:	PROJECT DESCRIPTION
PROJECT NUMBER: 20-010154	COUNTY ROAD REALIGNMENT
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



C = 3 F = 168

C = 8 F = 129

C = 34 F = 87

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ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
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MISSOURI LAND SURVEYING CORP.	NC 000346

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TITLE: COUNTY ROAD CROSS SECTIONS

PROJECT: COUNTY ROAD RECONSTRUCTION - PHASE II CITY OF MASCOUTAH ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION

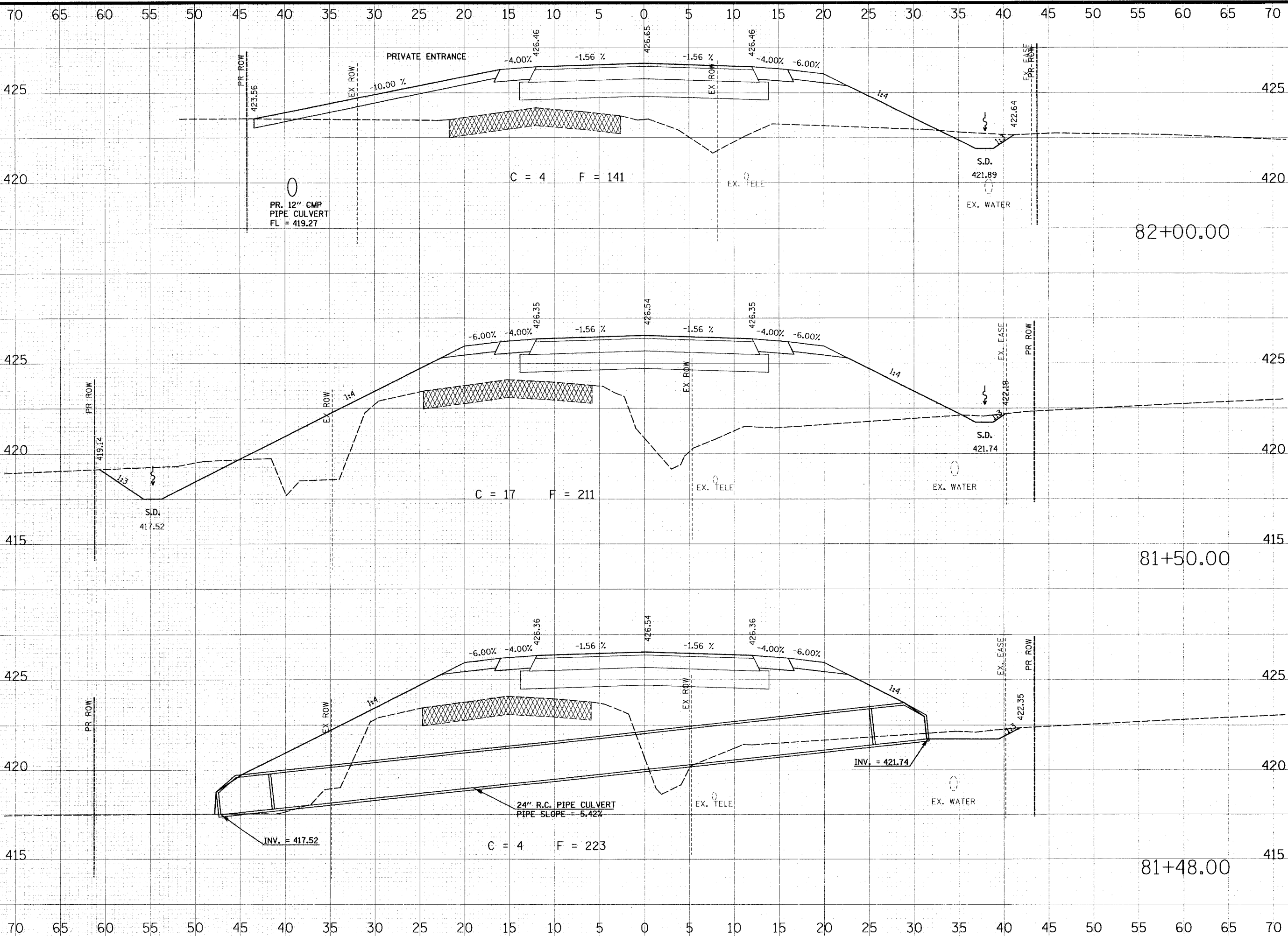
DRAWN BY: JWS
DESIGNED BY: JWS
CHECKED BY: SJK
APPROVED BY: _____

PROJECT NUMBER: 20-010154

SHEET 83 OF 113 SHEETS

PROJECT DESCRIPTION: COUNTY ROAD REALIGNMENT

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MISSOURI LAND SURVEYING CORP.	MC 000346

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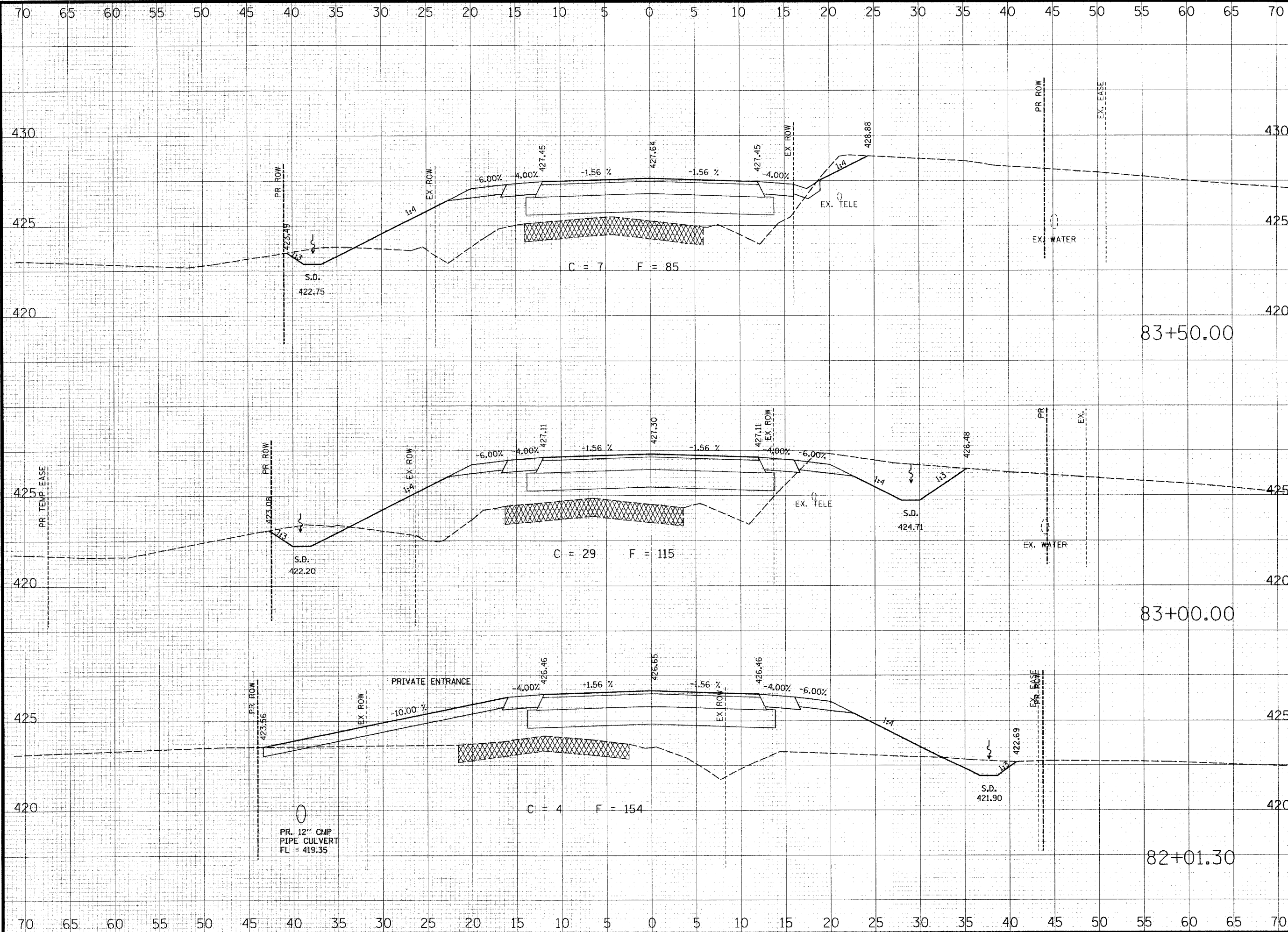
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DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	84
CHECKED BY: SJK	OF 113 SHEETS
APPROVED BY:	PROJECT DESCRIPTION
PROJECT NUMBER: 120-010154	COUNTY ROAD REALIGNMENT
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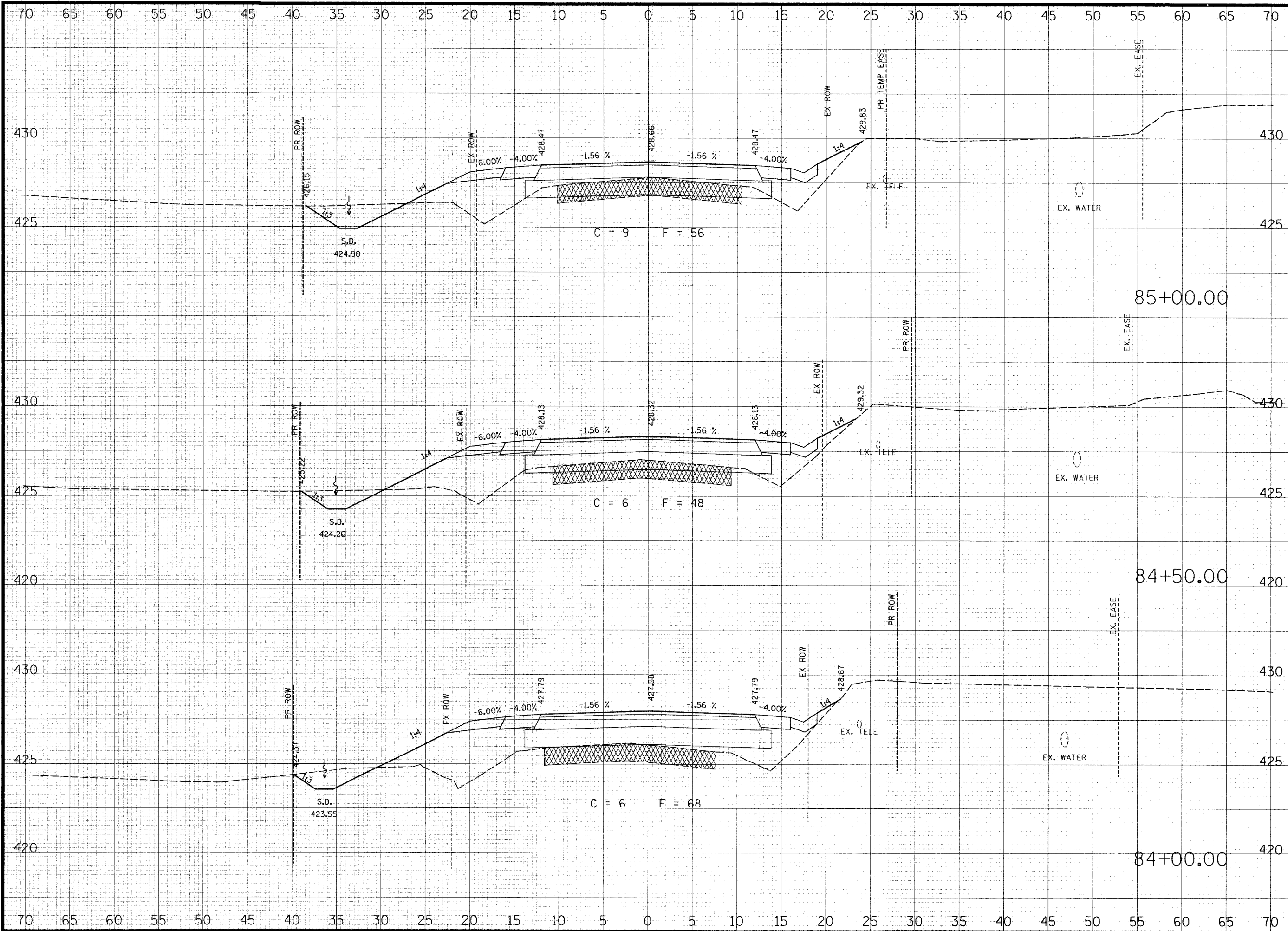
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TITLE: COUNTY ROAD CROSS SECTIONS

PROJECT: COUNTY ROAD RECONSTRUCTION - PHASE II CITY OF MASCOUTAH ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
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DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	85
CHECKED BY: SJK	OF 113 SHEETS
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PROJECT NUMBER: 20-010154	COUNTY ROAD REALIGNMENT
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MISSOURI LAND SURVEYING CORP.	MC 000346

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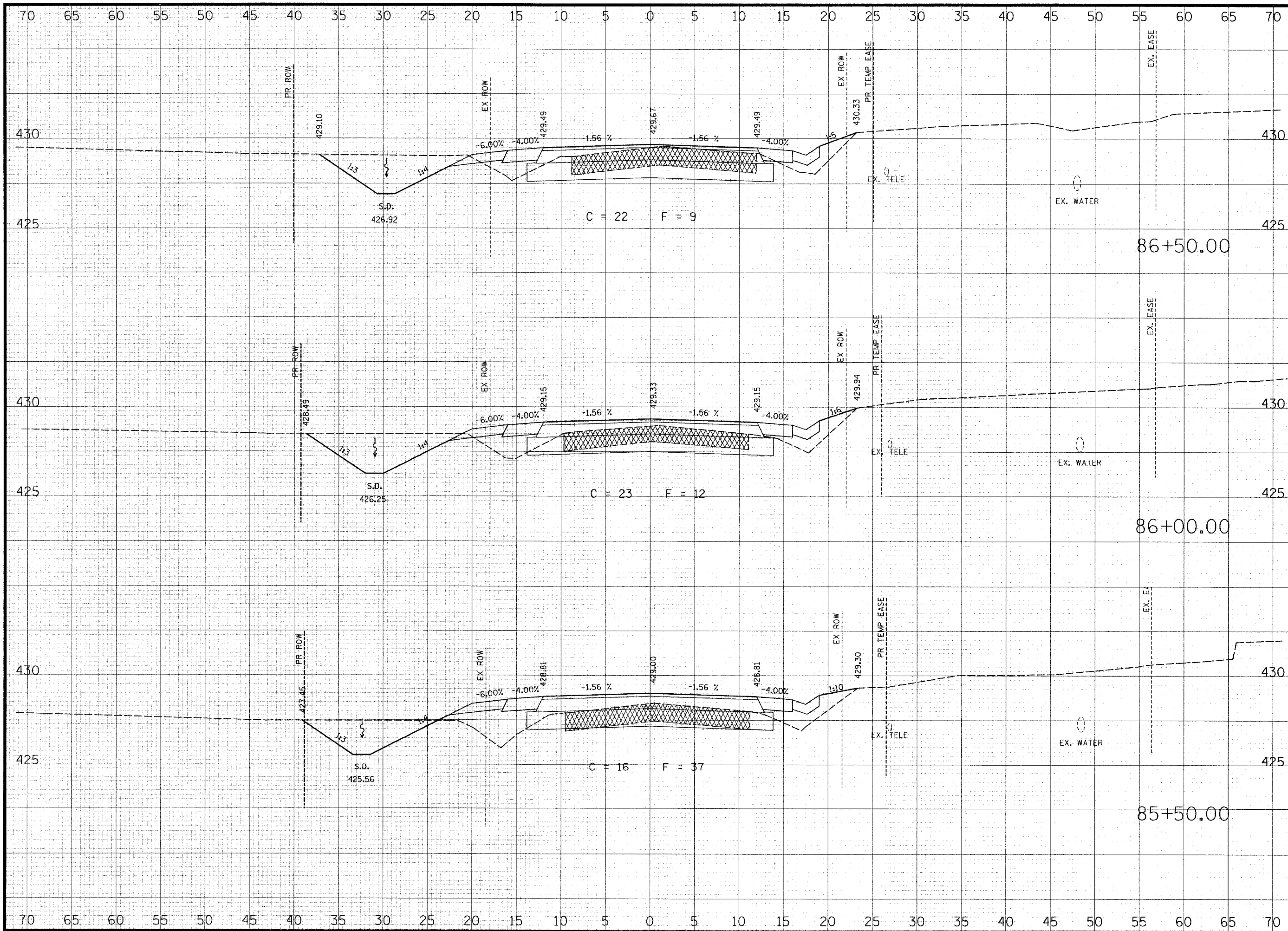
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**COUNTY ROAD
CROSS SECTIONS**

**COUNTY ROAD
RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS**

REV.	DATE	DESCRIPTION
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DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	86
CHECKED BY: SJK	OF 113 SHEETS
APPROVED BY:	PROJECT DESCRIPTION
PROJECT NUMBER: 120-010154	COUNTY ROAD REALIGNMENT
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MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

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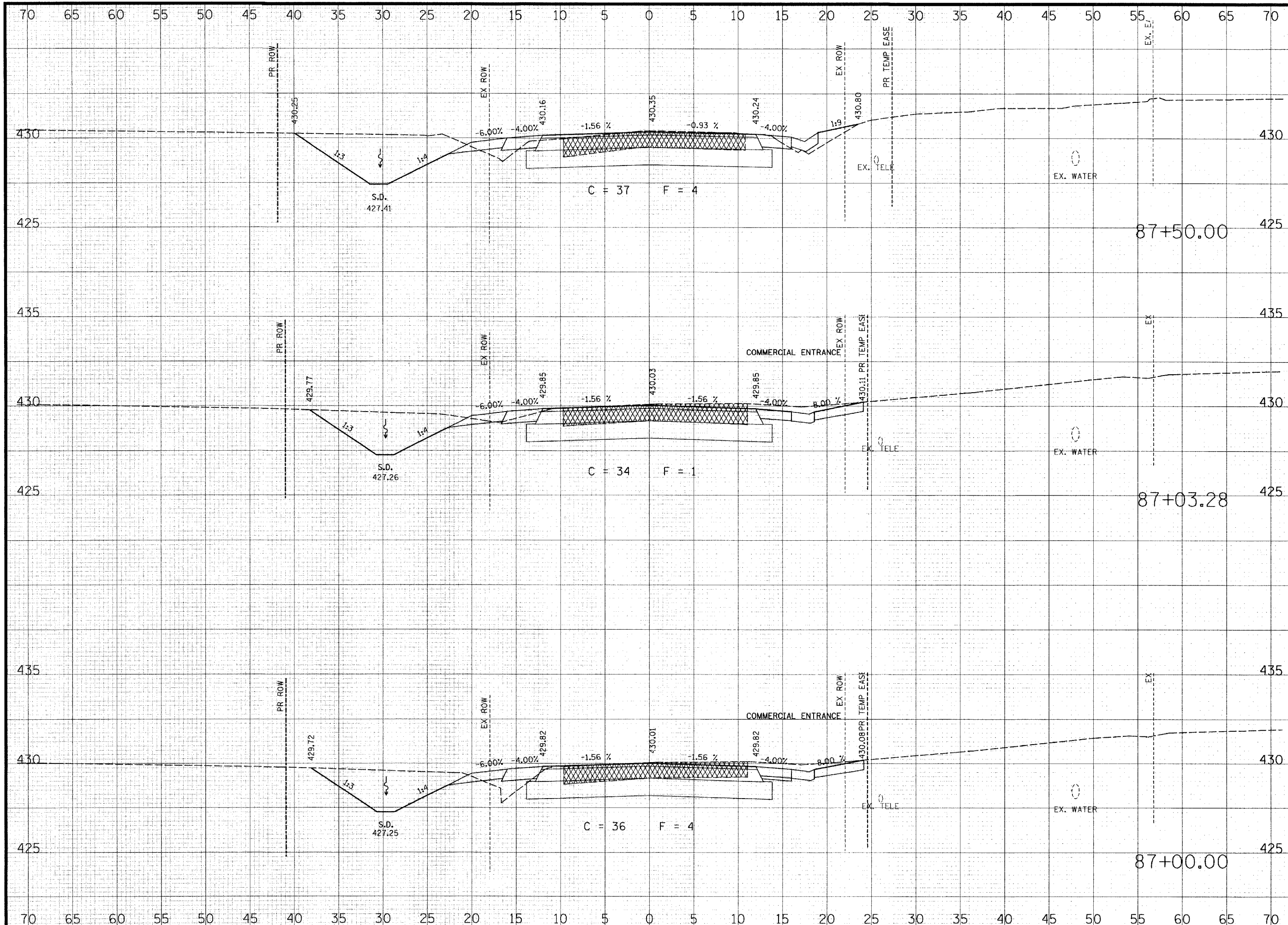
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TITLE
COUNTY ROAD CROSS SECTIONS

PROJECT
COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV	DATE	DESCRIPTION

DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	87
CHECKED BY: SJK	OF 113 SHEETS
APPROVED BY:	PROJECT DESCRIPTION
PROJECT NUMBER: T20-010154	COUNTY ROAD REALIGNMENT
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
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MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
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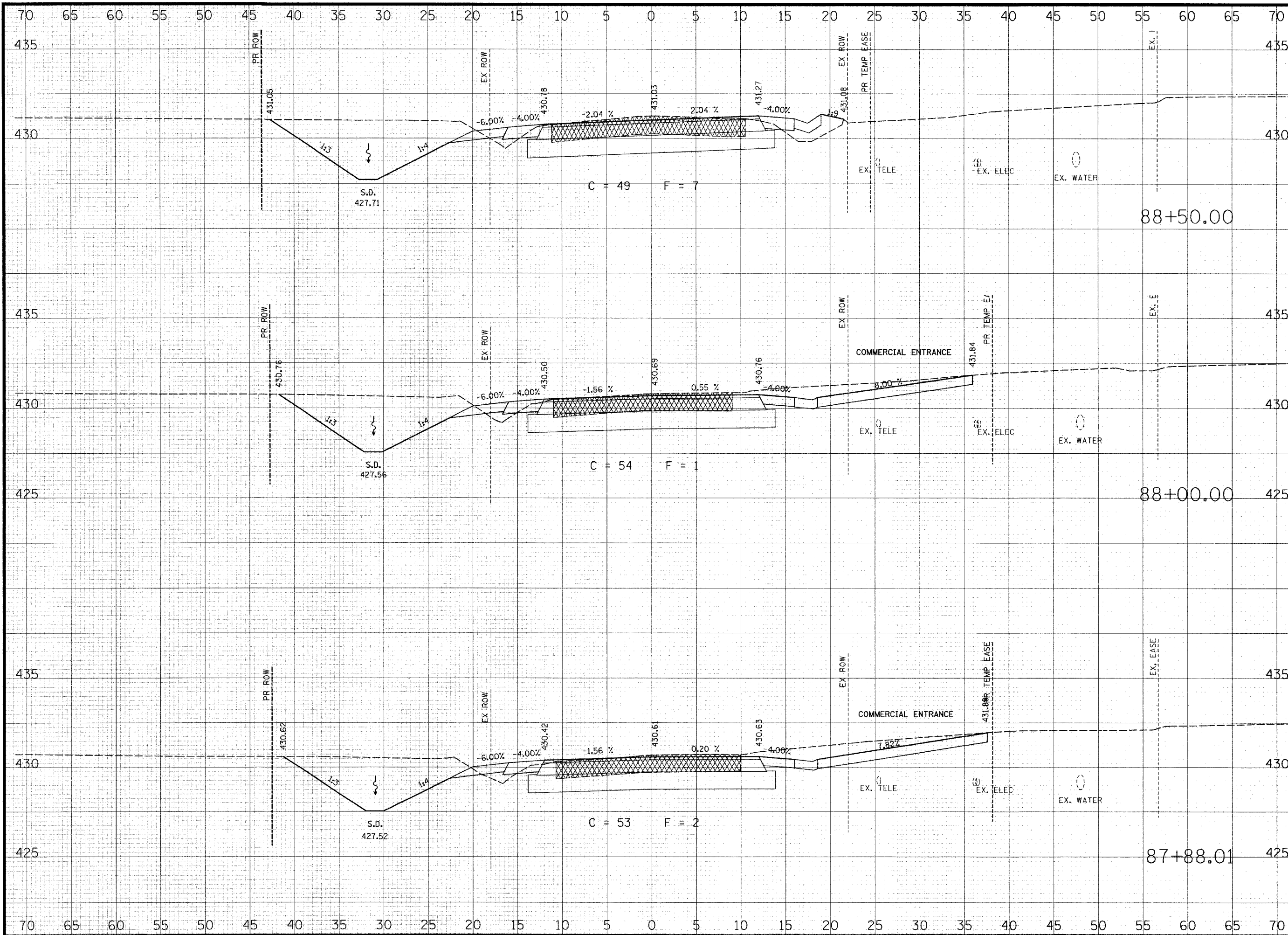
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COUNTY ROAD CROSS SECTIONS

COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTA
ST. CLAIR COUNTY, ILLINOIS

REV	DATE	DESCRIPTION
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DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	88
CHECKED BY: SUK	OF 113 SHEETS
APPROVED BY:	PROJECT DESCRIPTION
PROJECT NUMBER: 20-010154	COUNTY ROAD REALIGNMENT
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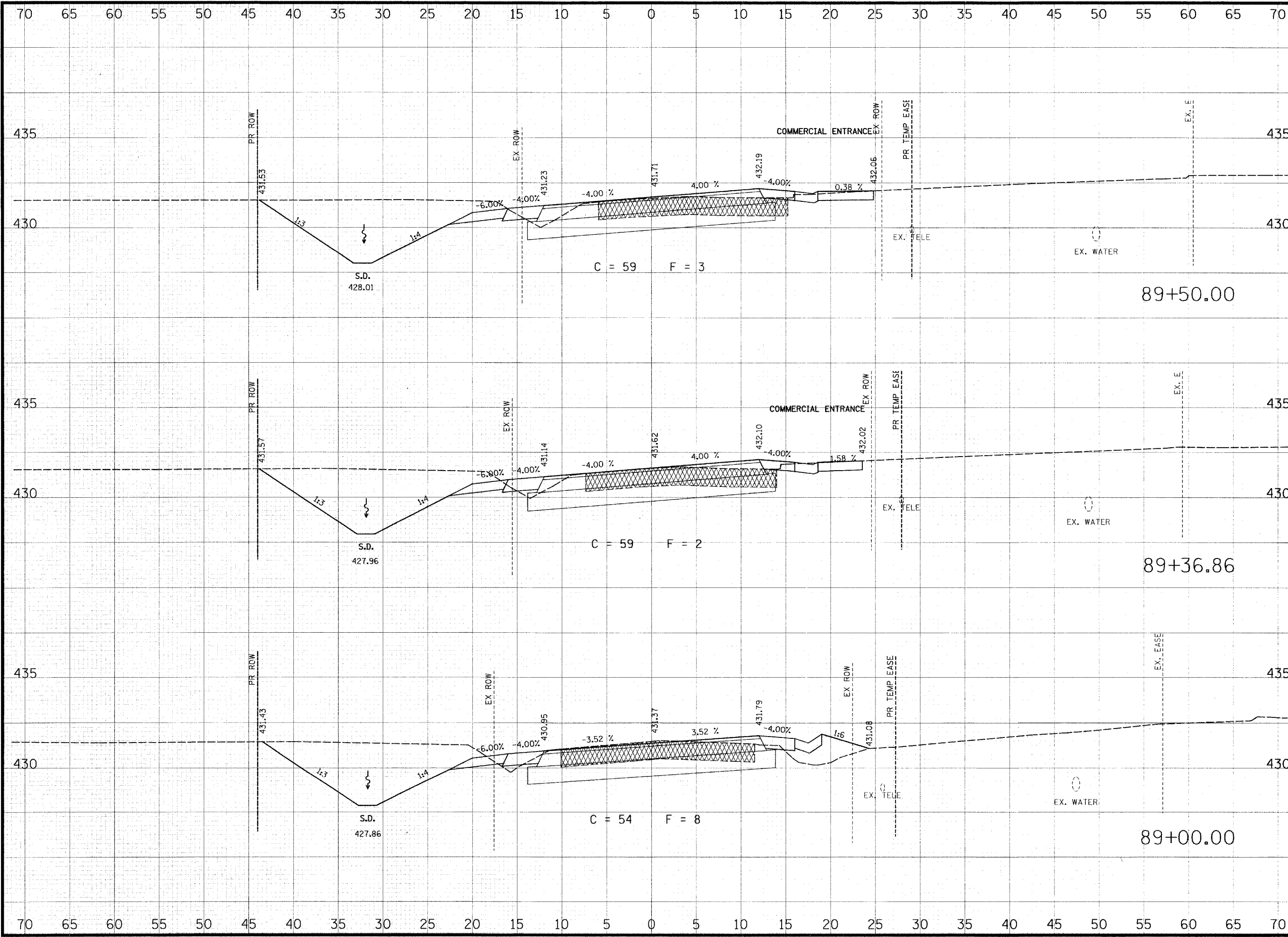
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**COUNTY ROAD
CROSS SECTIONS**

**COUNTY ROAD
RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS**

REV.	DATE	DESCRIPTION
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DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	89
CHECKED BY: SJK	OF 113 SHEETS
APPROVED BY:	PROJECT DESCRIPTION
PROJECT NUMBER: 120-010154	COUNTY ROAD ALIGNMENT
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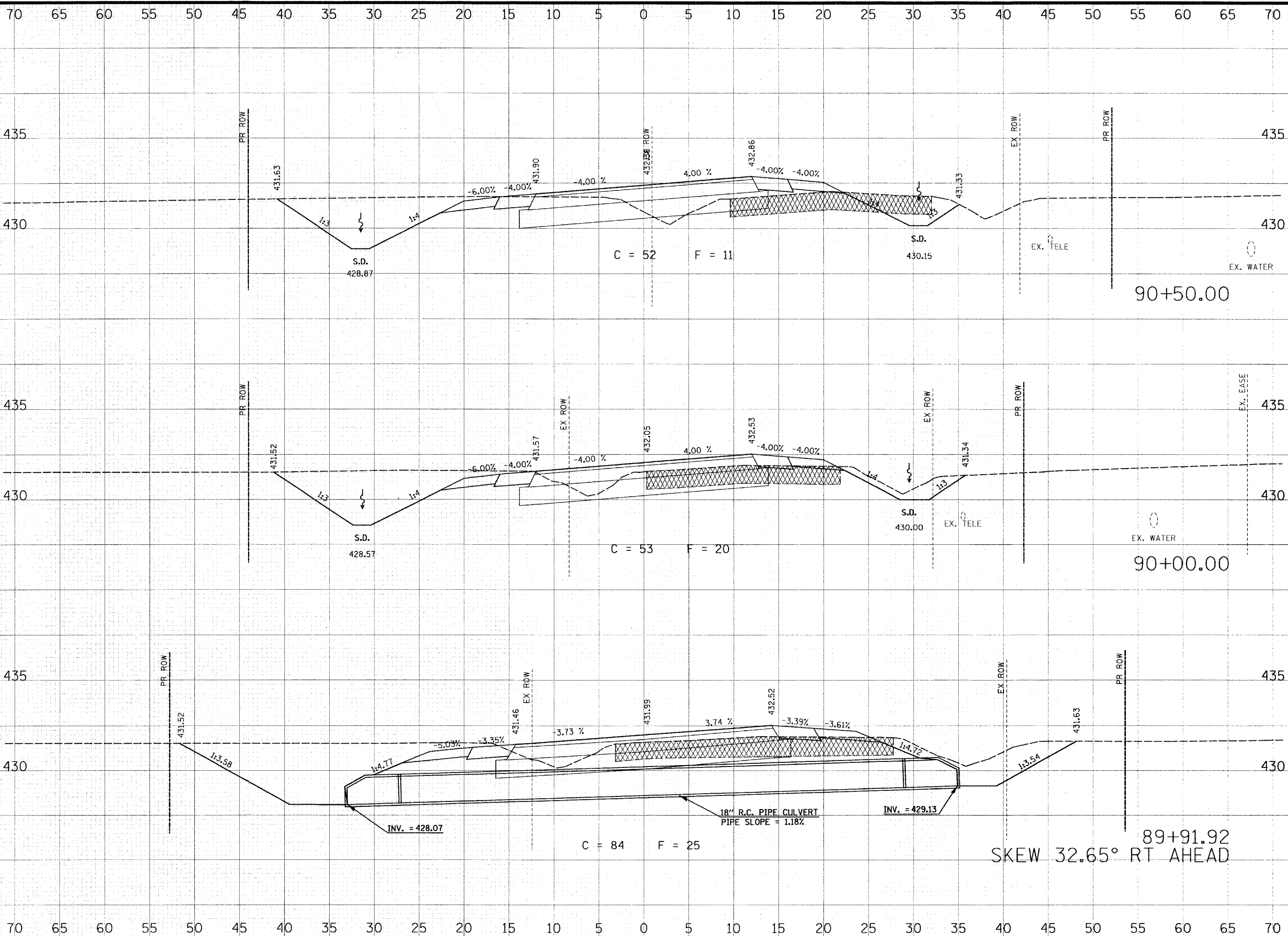
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COUNTY ROAD CROSS SECTIONS

COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
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DRAWN BY: JWS	SHEET 90 OF 113 SHEETS
DESIGNED BY: JWS	
CHECKED BY: SJK	PROJECT DESCRIPTION COUNTY ROAD REALIGNMENT
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CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
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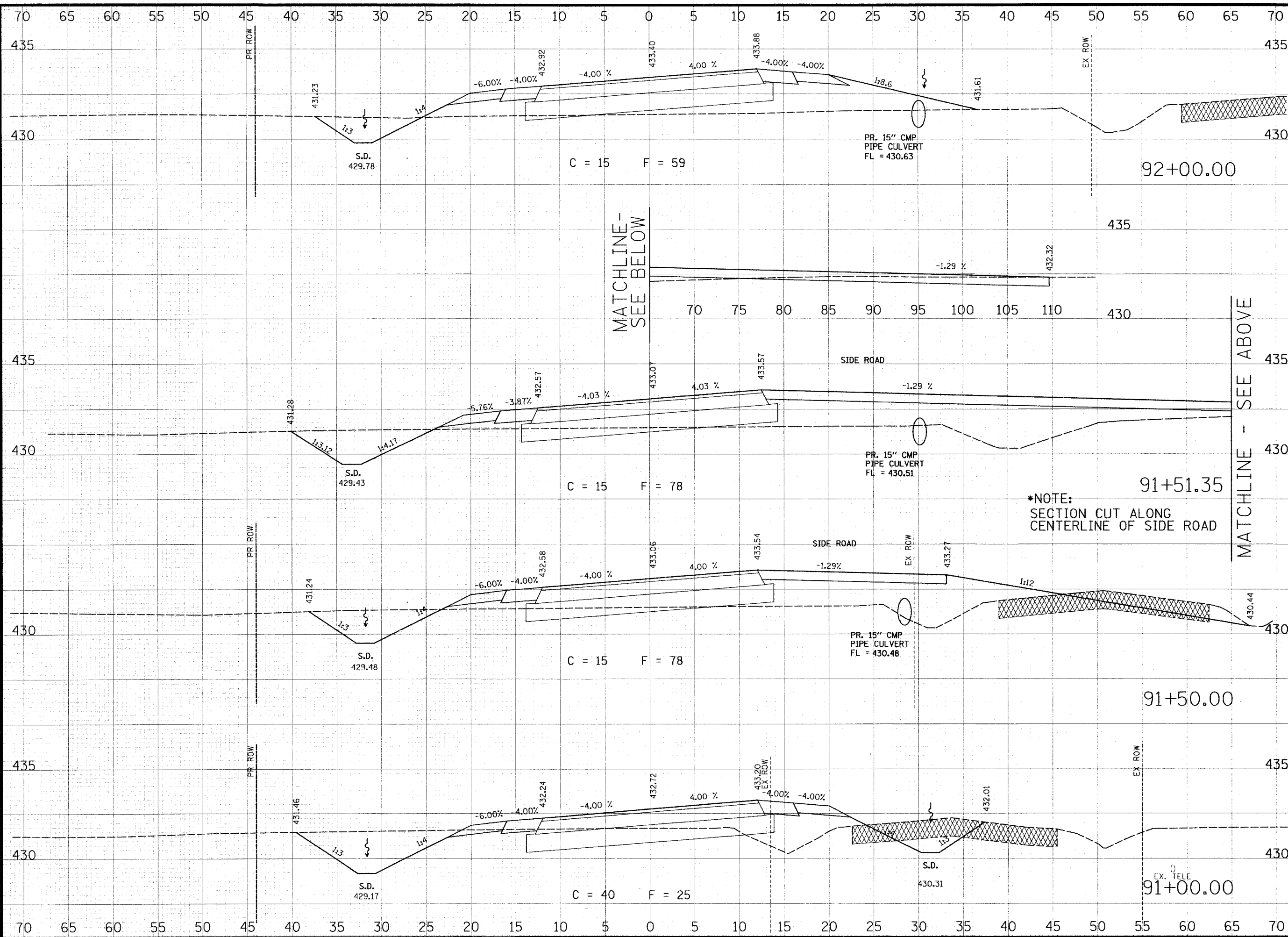
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PROJECT NUMBER: 20-010154
 PROJECT DESCRIPTION: COUNTY ROAD REALIGNMENT

SHEET 91
 OF 113 SHEETS

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PROFESSIONAL STRUCTURAL ENGR. CORP.	81-002002
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

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Signature Date: _____

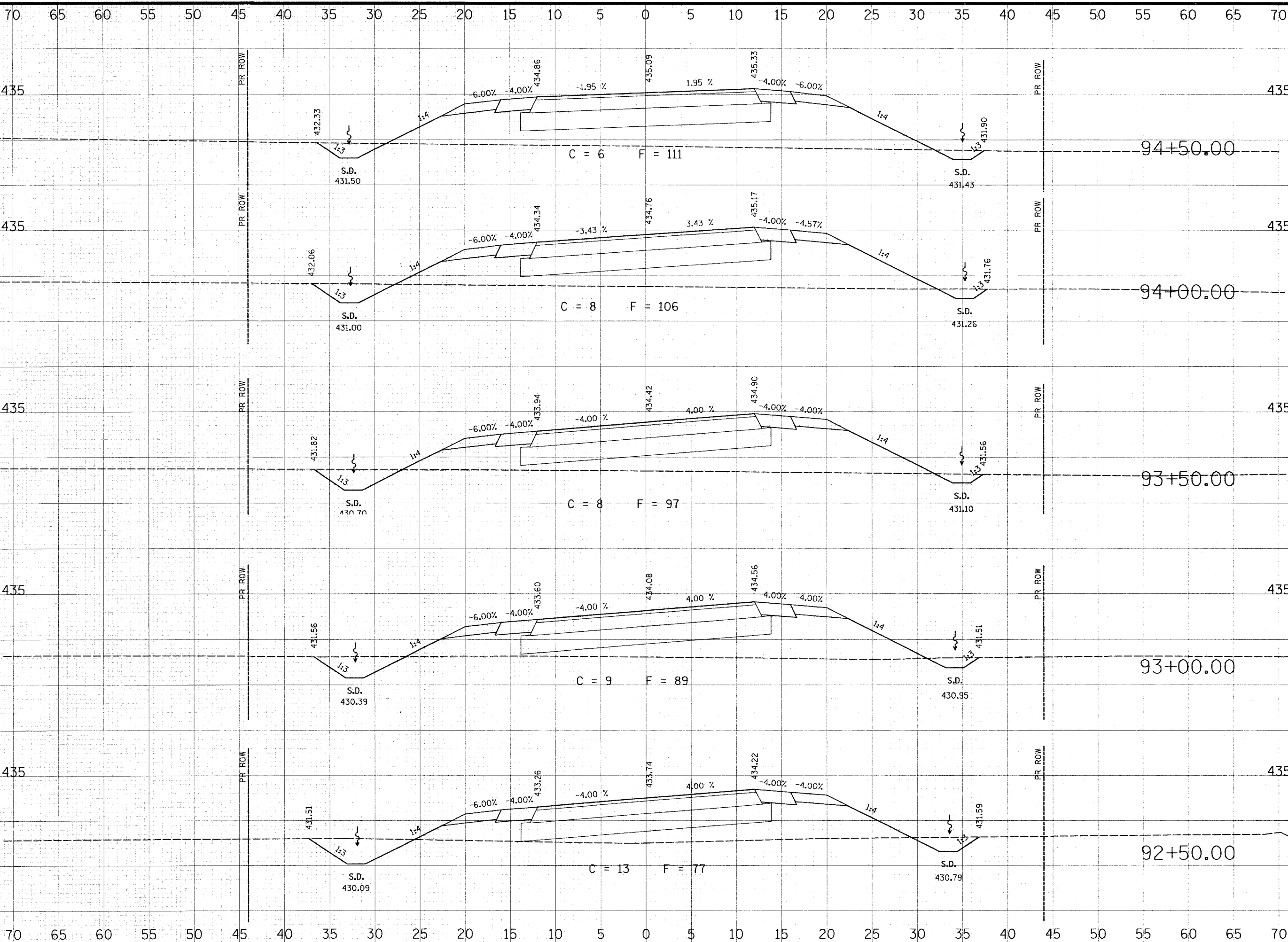
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COUNTY ROAD CROSS SECTIONS

COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

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APPROVED BY:	PROJECT DESCRIPTION
PROJECT NUMBER: 20-010154	COUNTY ROAD REALIGNMENT
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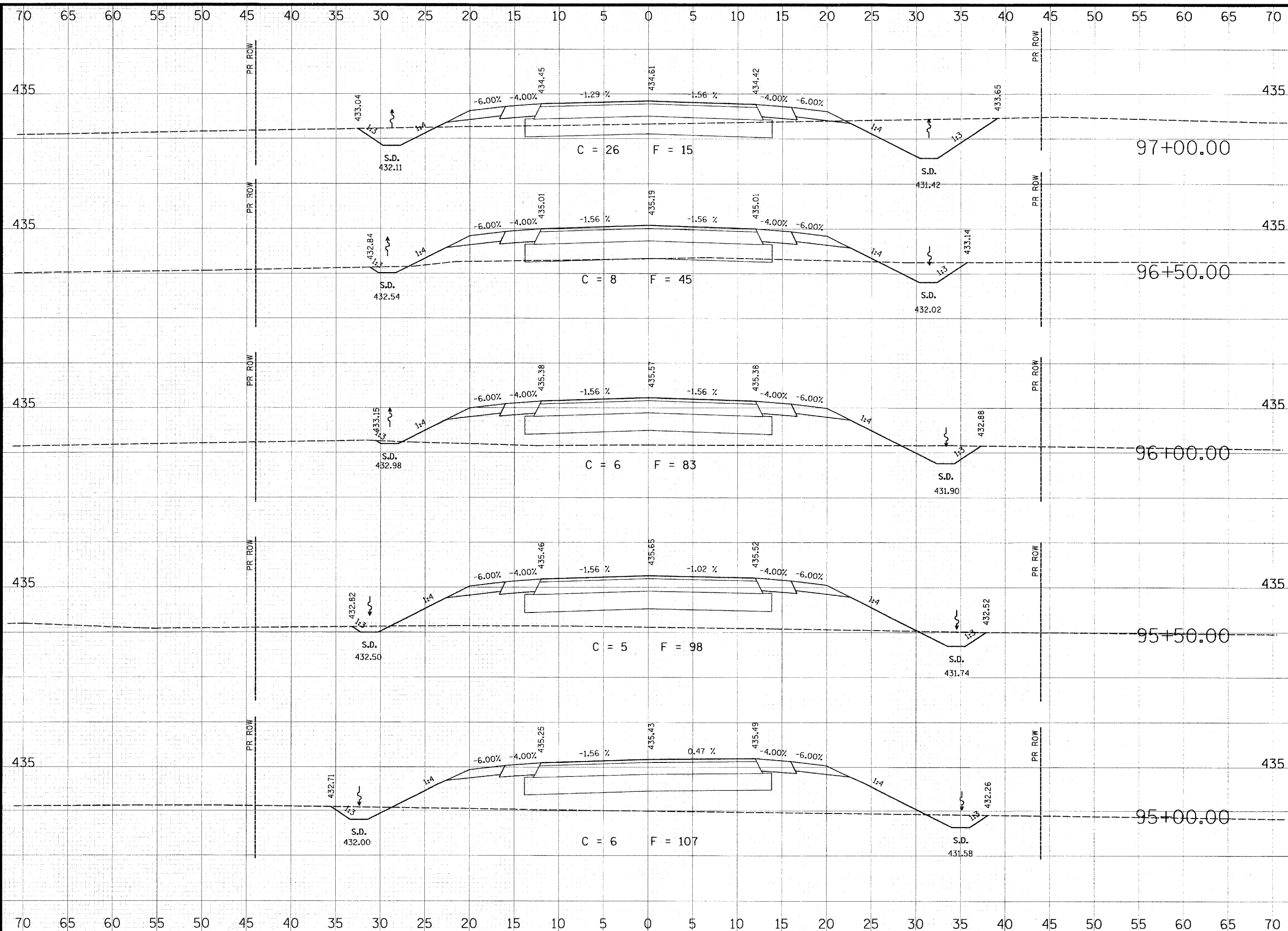
TITLE:
 COUNTY ROAD CROSS SECTIONS

PROJECT:
 COUNTY ROAD RECONSTRUCTION - PHASE II
 CITY OF MASCOUTAH
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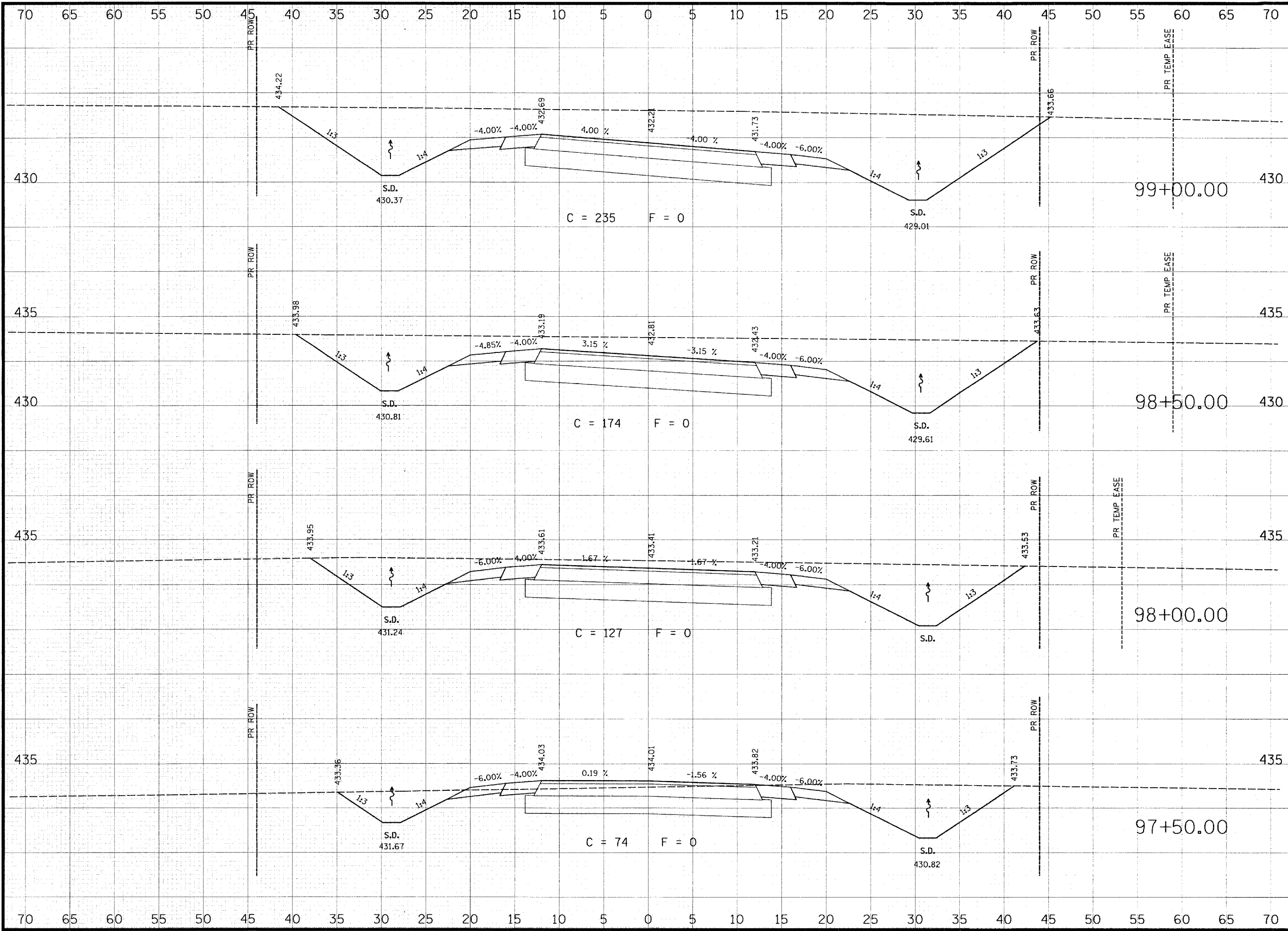
TITLE: COUNTY ROAD CROSS SECTIONS

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CITY OF MASCOUTAH
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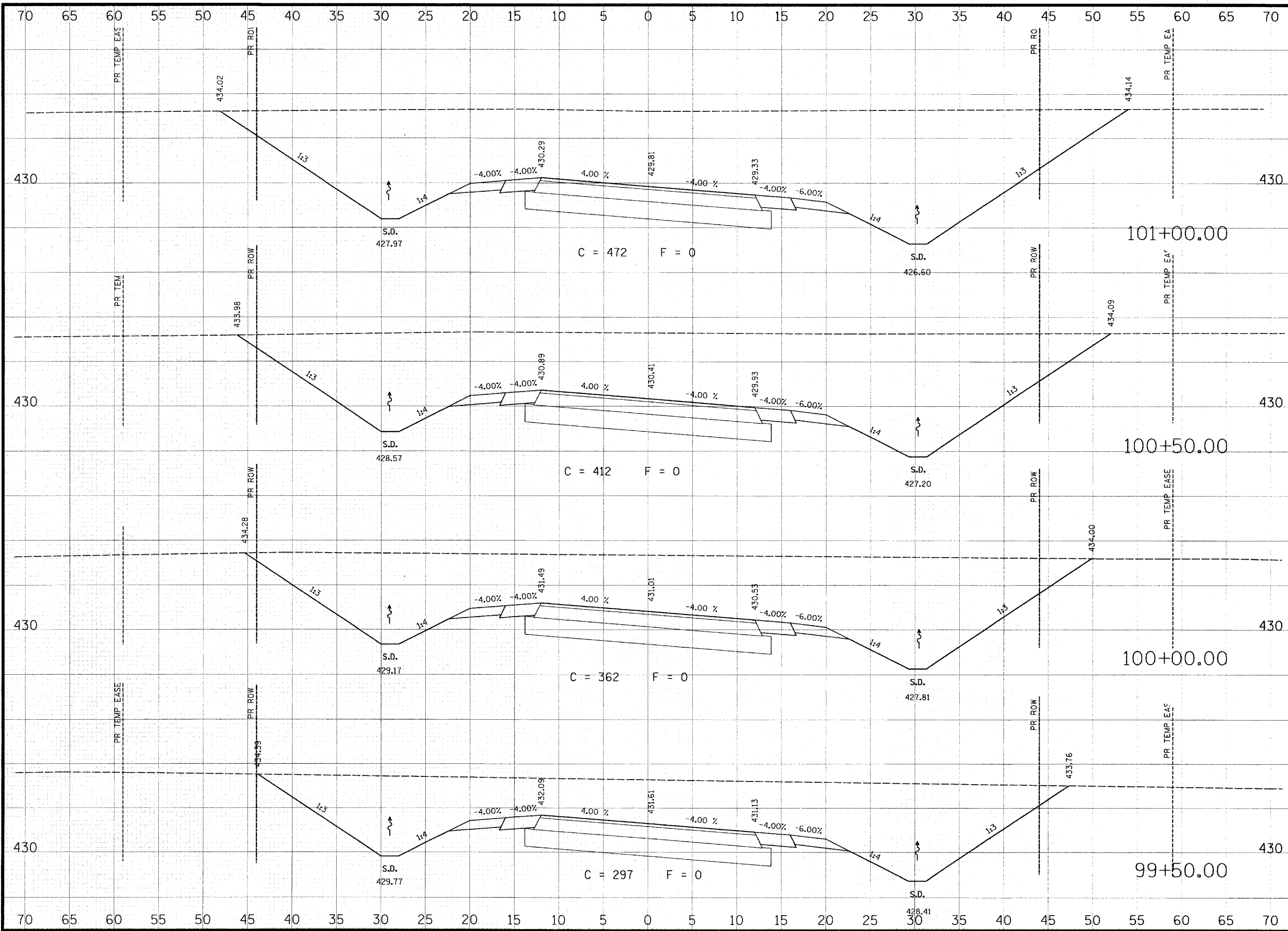
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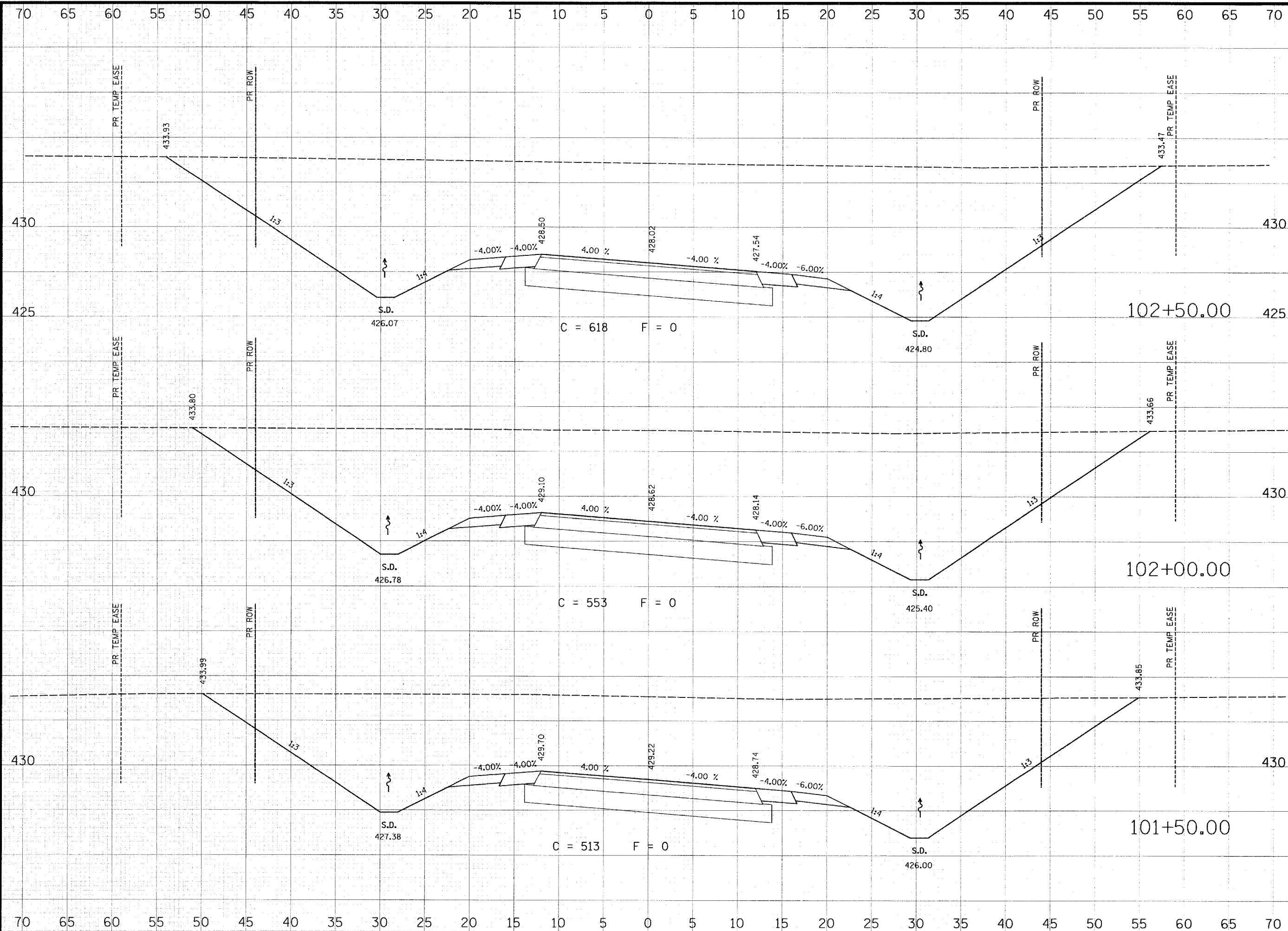
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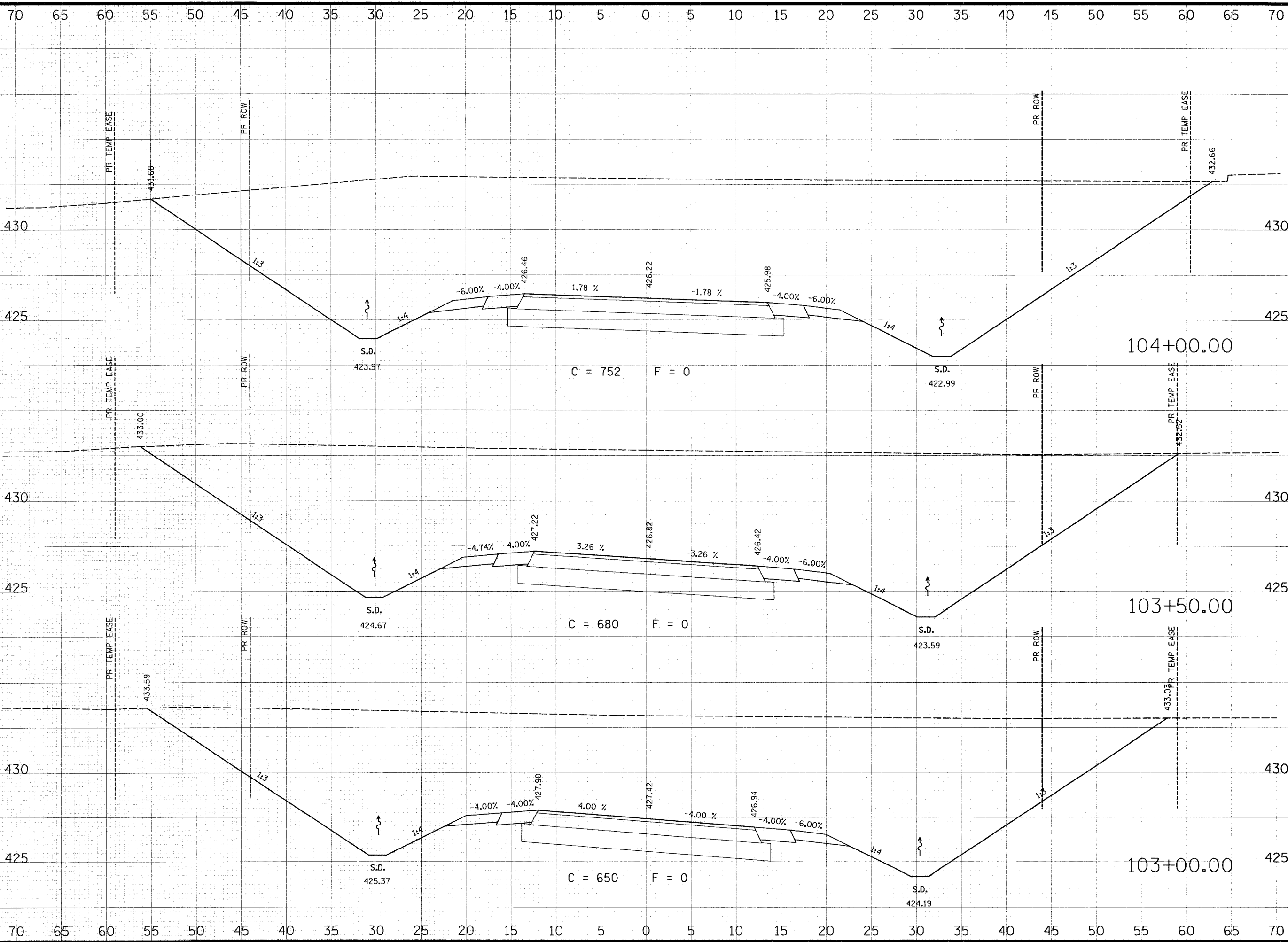
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TITLE: COUNTY ROAD CROSS SECTIONS

PROJECT: COUNTY ROAD RECONSTRUCTION - PHASE II CITY OF MASCOUTAH ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION

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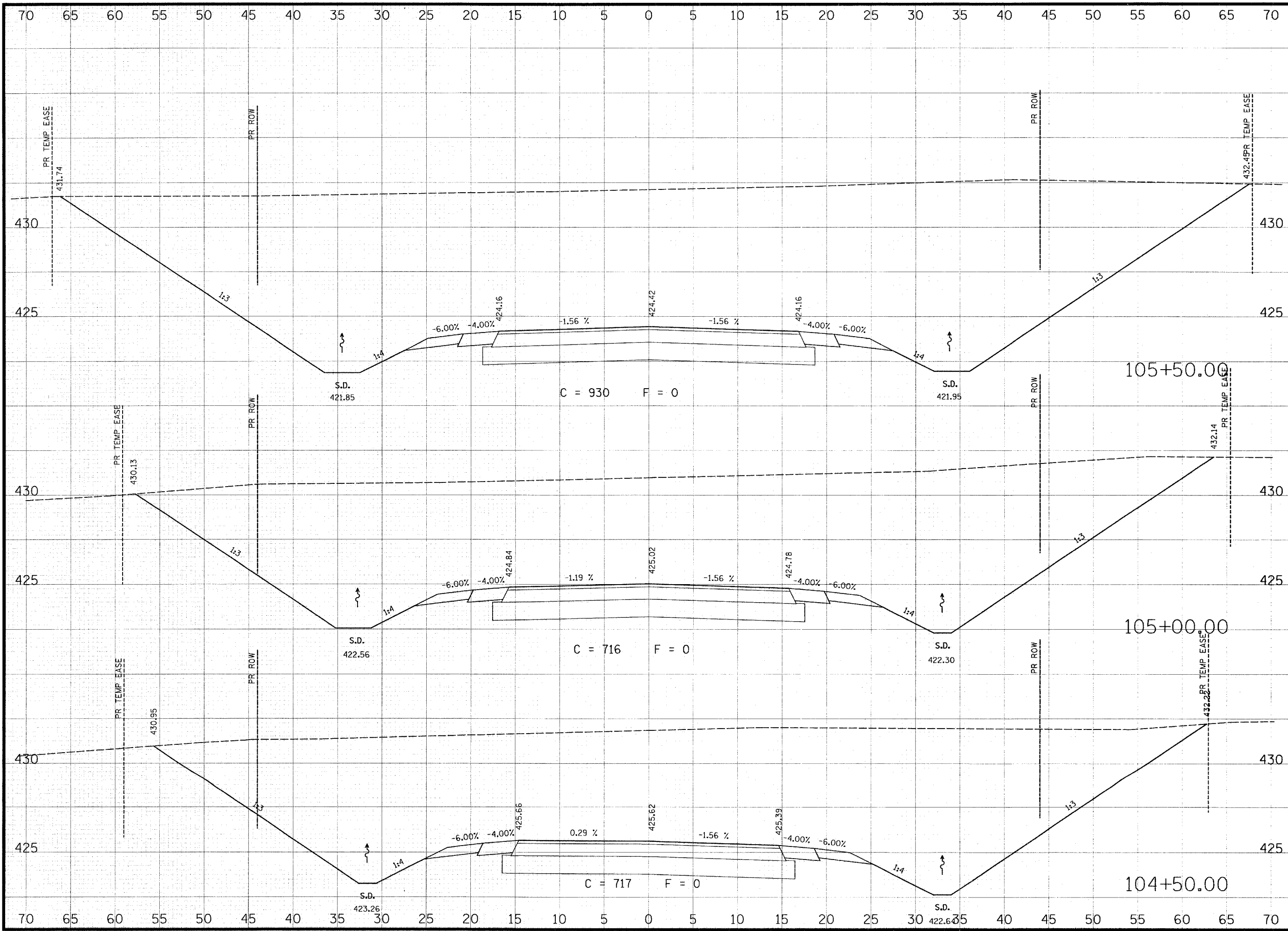
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COUNTY ROAD CROSS SECTIONS

COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

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CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION

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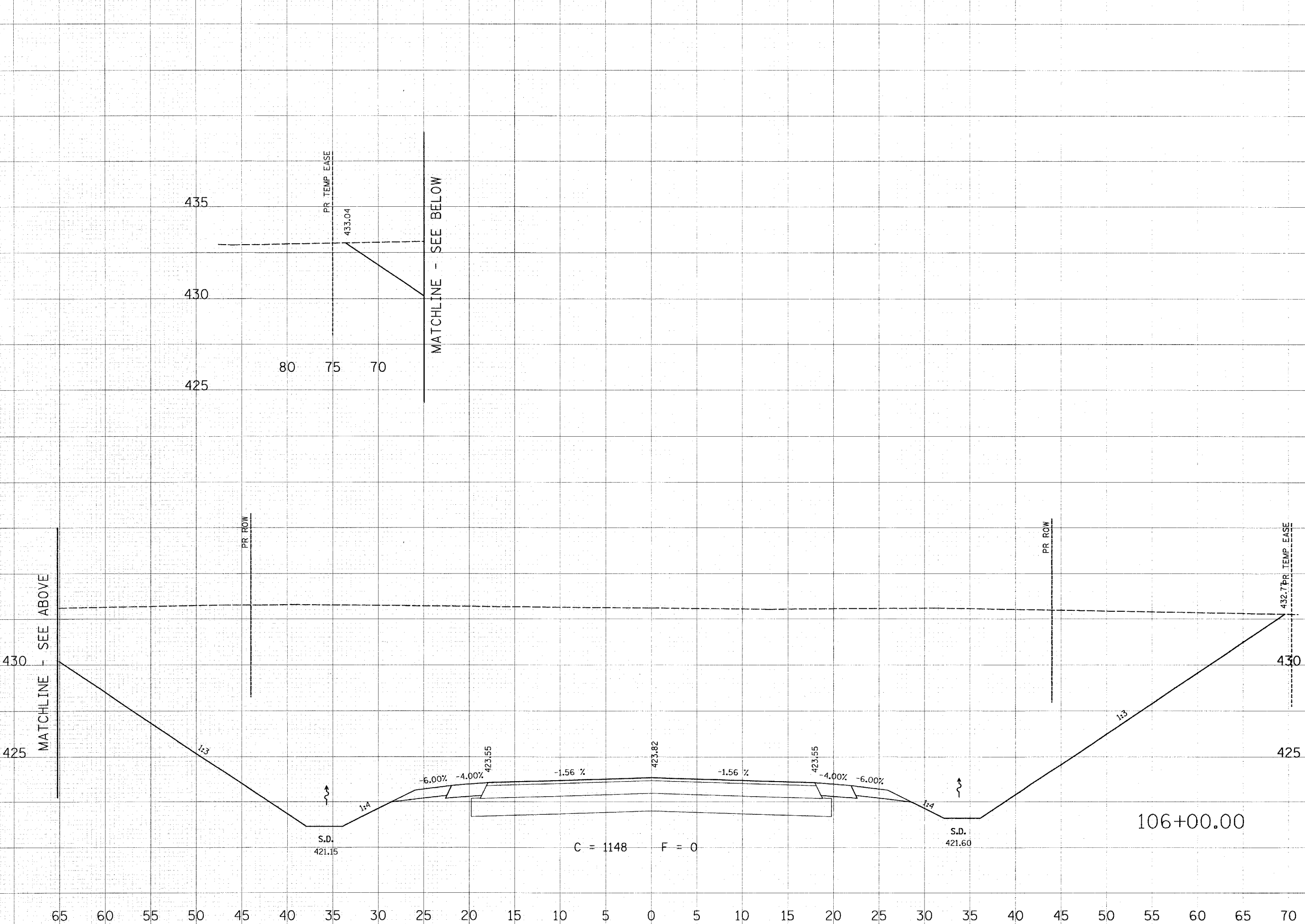
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TITLE:
COUNTY ROAD
CROSS SECTIONS

PROJECT:
COUNTY ROAD
RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
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REV.	DATE	DESCRIPTION

DRAWN BY: JWS	SHEET 100
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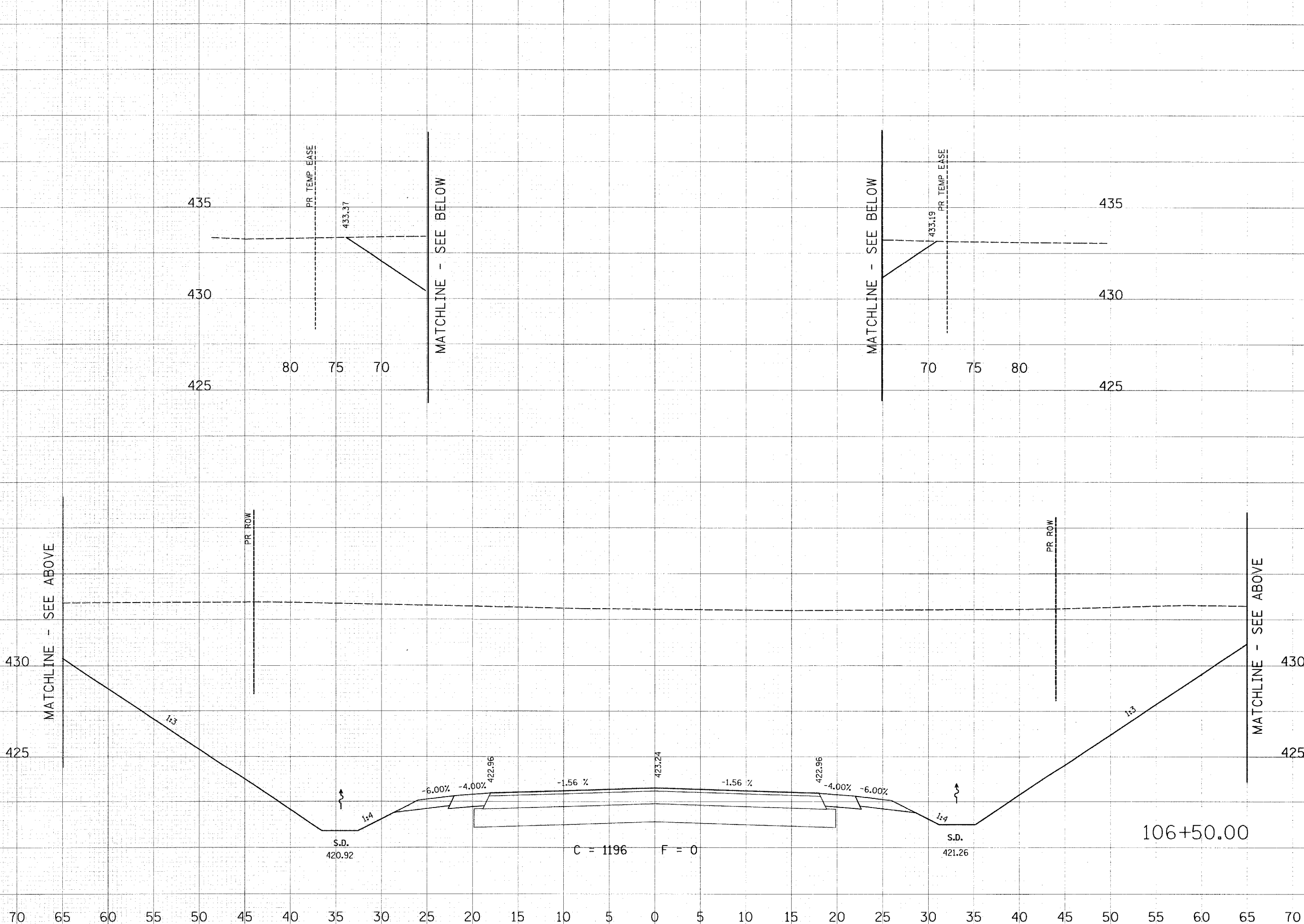
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**COUNTY ROAD
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70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

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FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

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Renewal Date:
Signature Date:

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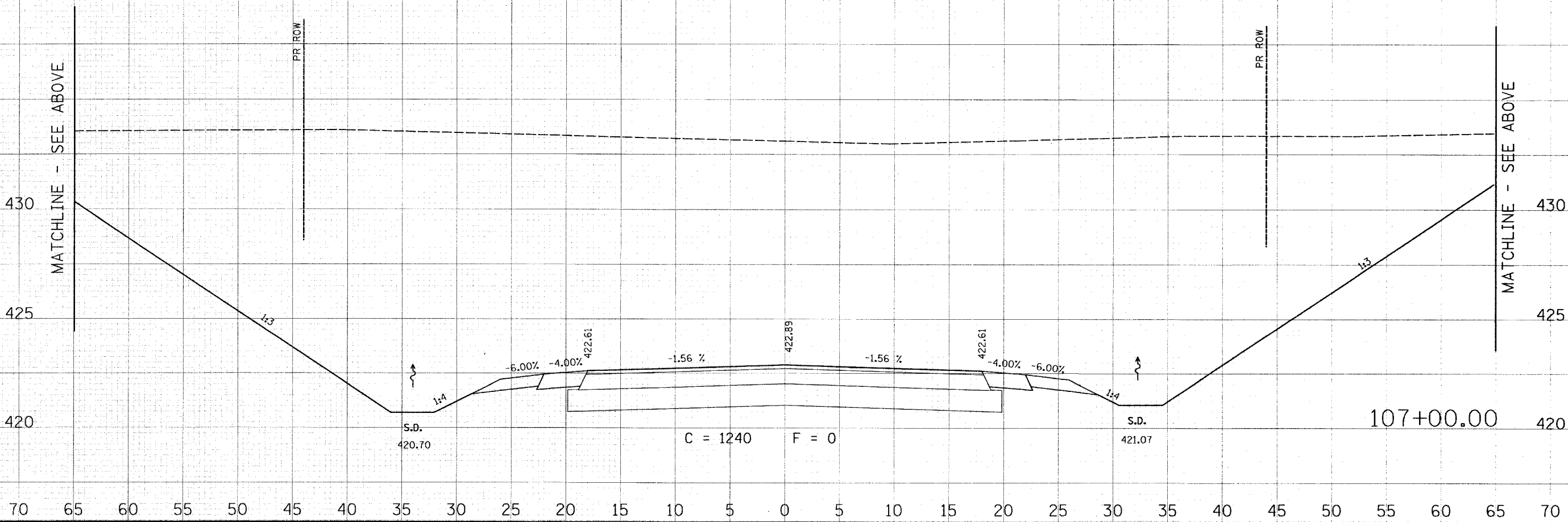
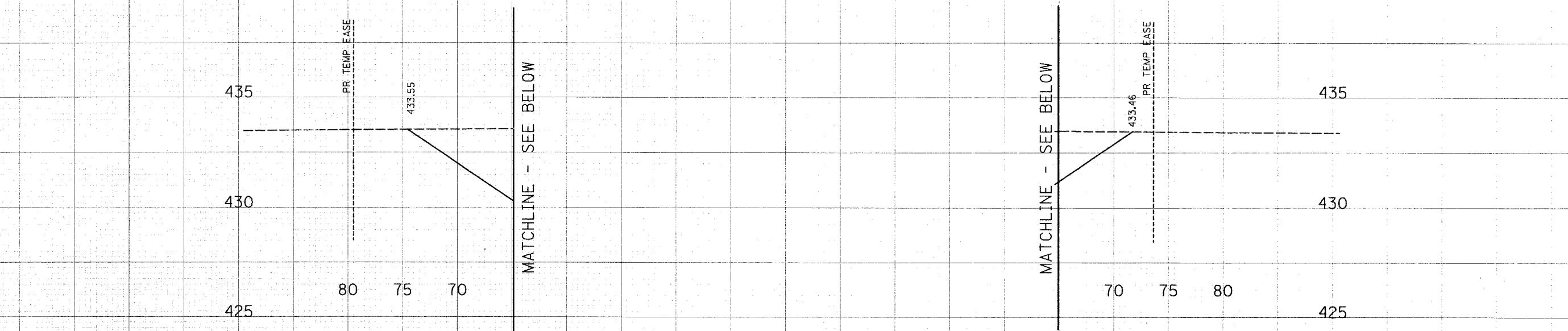
TITLE: COUNTY ROAD CROSS SECTIONS

PROJECT: COUNTY ROAD RECONSTRUCTION - PHASE II CITY OF MASCOUTAH ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
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DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	102
CHECKED BY: SJK	OF 113 SHEETS
APPROVED BY: -	PROJECT DESCRIPTION
PROJECT NUMBER: 20-010154	COUNTY ROAD REALIGNMENT

ISSUED FOR REVIEW ISSUED FOR BIDDING
 ISSUED FOR CONSTR. RECORD DRAWING



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PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

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TITLE:
 COUNTY ROAD CROSS SECTIONS

PROJECT:
 COUNTY ROAD RECONSTRUCTION - PHASE II
 CITY OF MASCOUTAH
 ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
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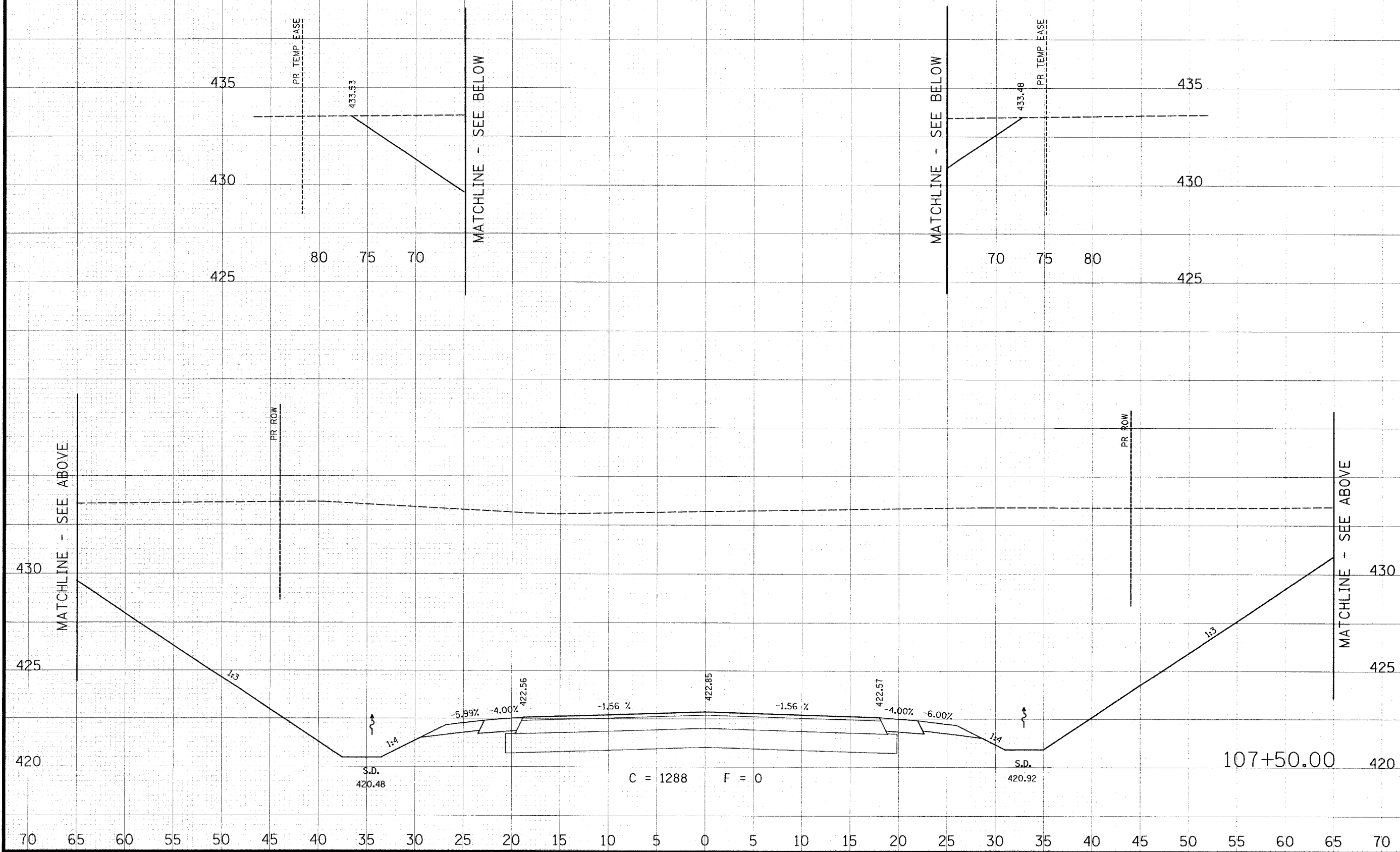
DRAWN BY: JWS
DESIGNED BY: JWS
CHECKED BY: SJK
APPROVED BY:

SHEET 103
 OF 113 SHEETS

PROJECT DESCRIPTION:
 COUNTY ROAD REALIGNMENT

PROJECT NUMBER: 20-010154

ISSUED FOR REVIEW ISSUED FOR BIDDING
 ISSUED FOR CONSTR. RECORD DRAWING



70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

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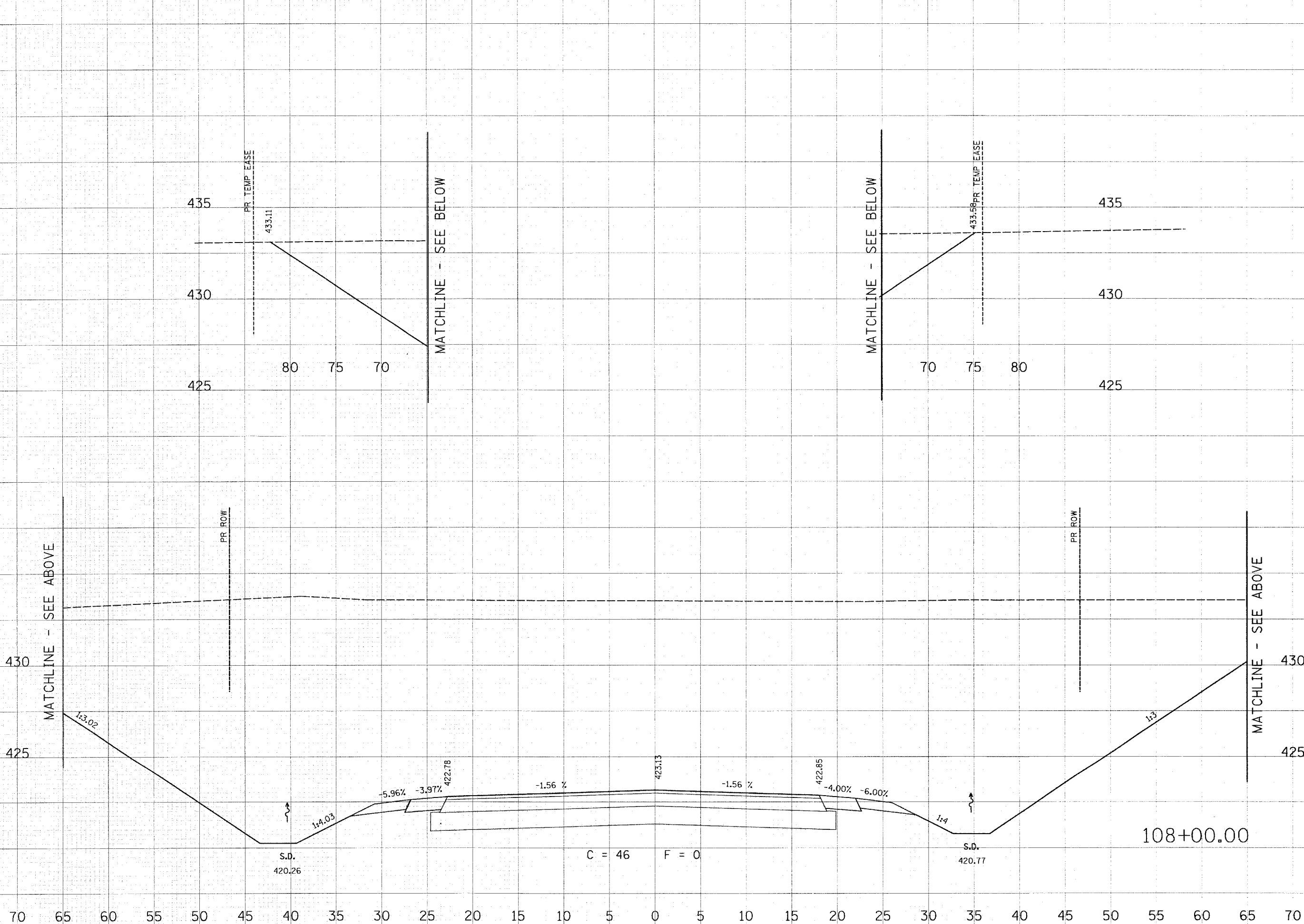
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PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
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PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

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TITLE:
COUNTY ROAD CROSS SECTIONS

PROJECT:
COUNTY ROAD RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV	DATE	DESCRIPTION
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DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	104
CHECKED BY: SJK	OF 113 SHEETS
APPROVED BY:	PROJECT DESCRIPTION
PROJECT NUMBER: 20-010154	COUNTY ROAD REALIGNMENT
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

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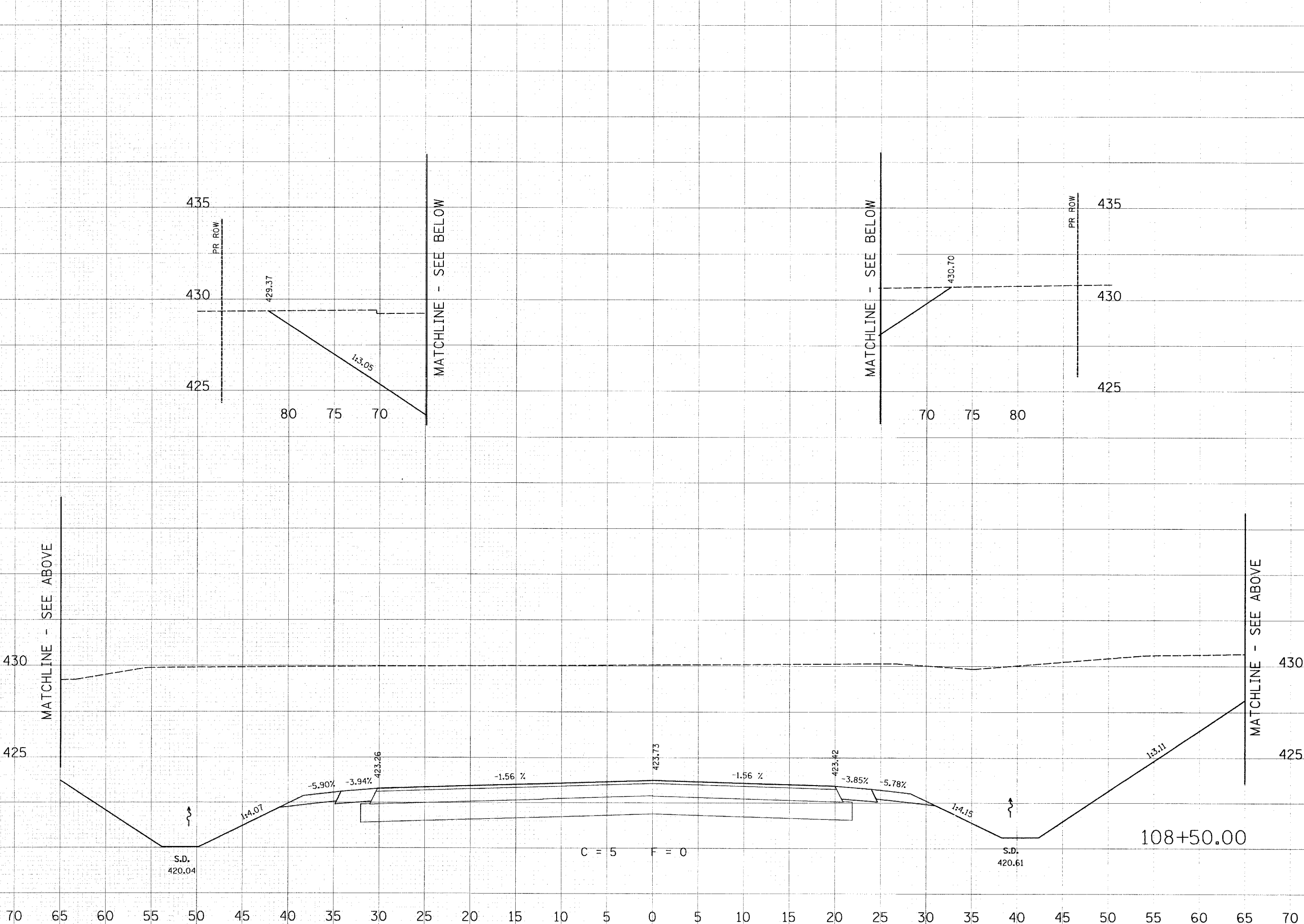
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PROFESSIONAL REGISTRATIONS	LICENSE NO.
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PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	MC 000346

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Signature Date:

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**COUNTY ROAD
CROSS SECTIONS**

**COUNTY ROAD
RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS**

REV.	DATE	DESCRIPTION

DRAWN BY: JWS	SHEET 105 OF 113 SHEETS
DESIGNED BY: JWS	
CHECKED BY: SJK	
APPROVED BY:	
PROJECT NUMBER: 20-010154	PROJECT DESCRIPTION COUNTY ROAD REALIGNMENT
<input checked="" type="checkbox"/> ISSUED FOR REVIEW <input type="checkbox"/> ISSUED FOR BIDDING <input type="checkbox"/> ISSUED FOR CONSTR. <input type="checkbox"/> RECORD DRAWING	

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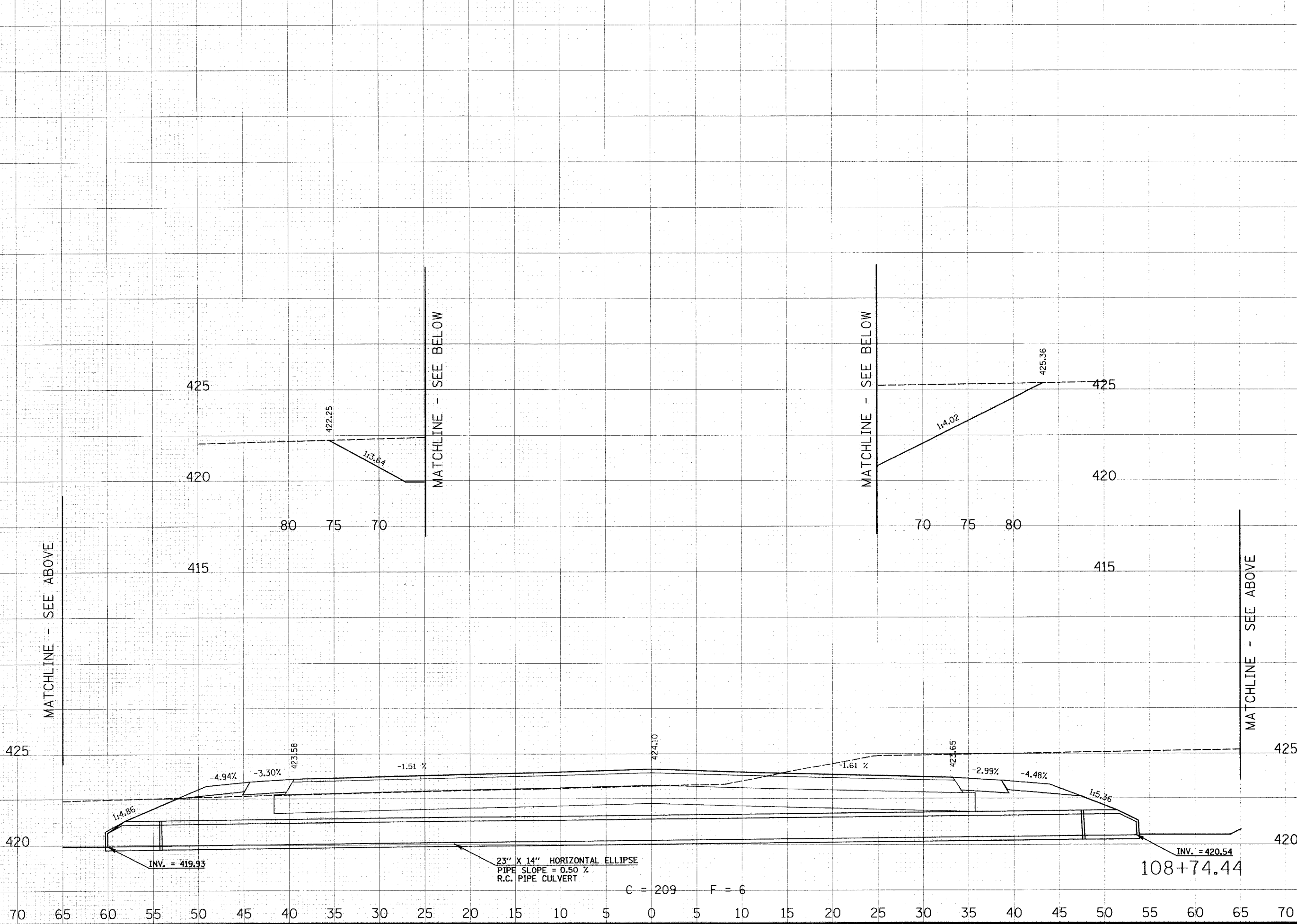
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PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-00120
PROFESSIONAL ENGINEERING CORP.	62-055370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

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Signature Date: _____

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23" X 14" HORIZONTAL ELLIPSE
PIPE SLOPE = 0.50 %
R.C. PIPE CULVERT

C = 209 F = 6

INV. = 420.54
108+74.44

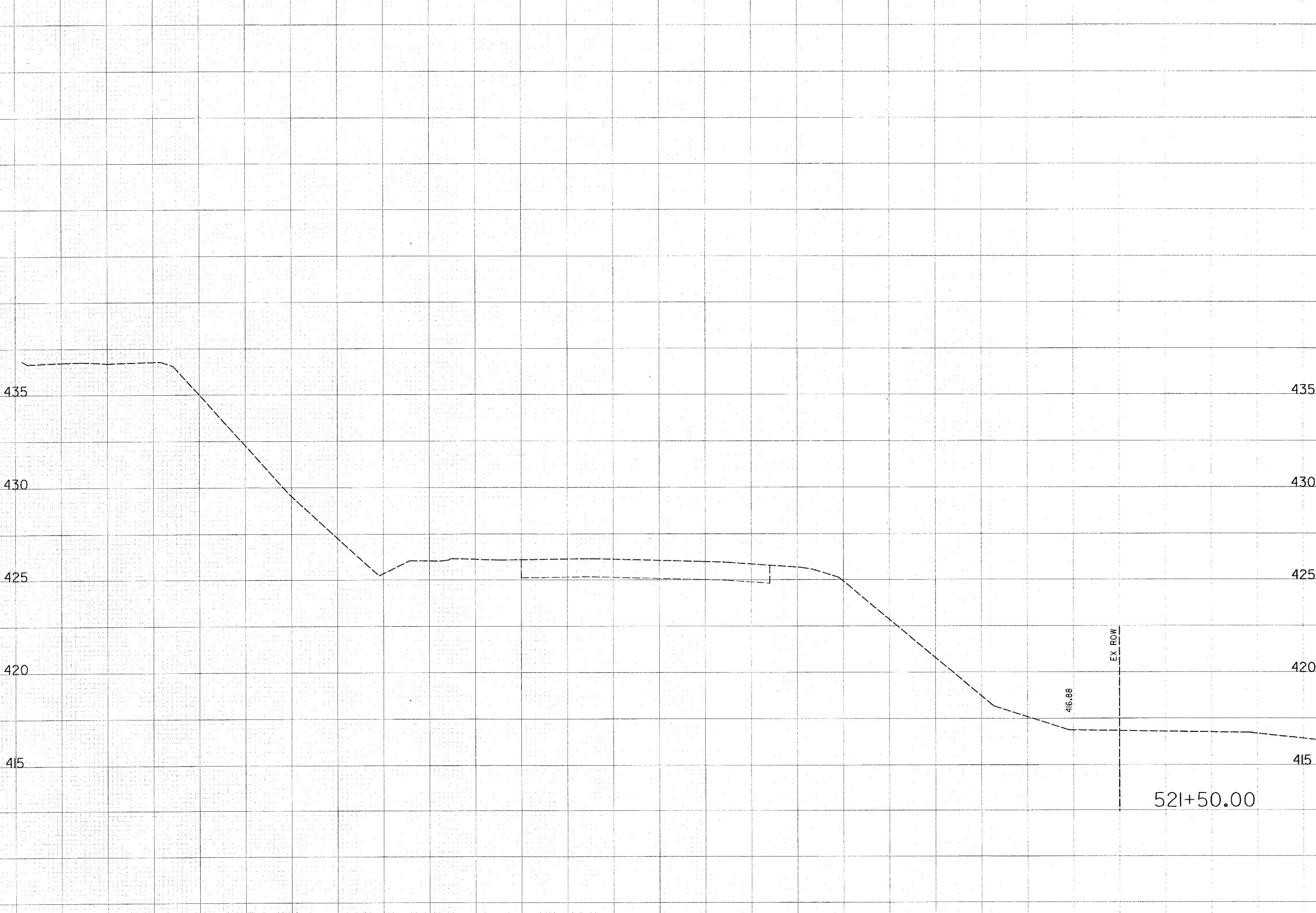
TITLE: COUNTY ROAD CROSS SECTIONS

PROJECT: COUNTY ROAD RECONSTRUCTION - PHASE II CITY OF MASCOUTAH ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
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DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	106
CHECKED BY: SJK	OF 113 SHEETS
APPROVED BY:	PROJECT DESCRIPTION
PROJECT NUMBER: 20-010154	COUNTY ROAD REALIGNMENT
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70



70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

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FAX (618) 939-3938
waterloo@twm-inc.com

PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date:
Signature Date:

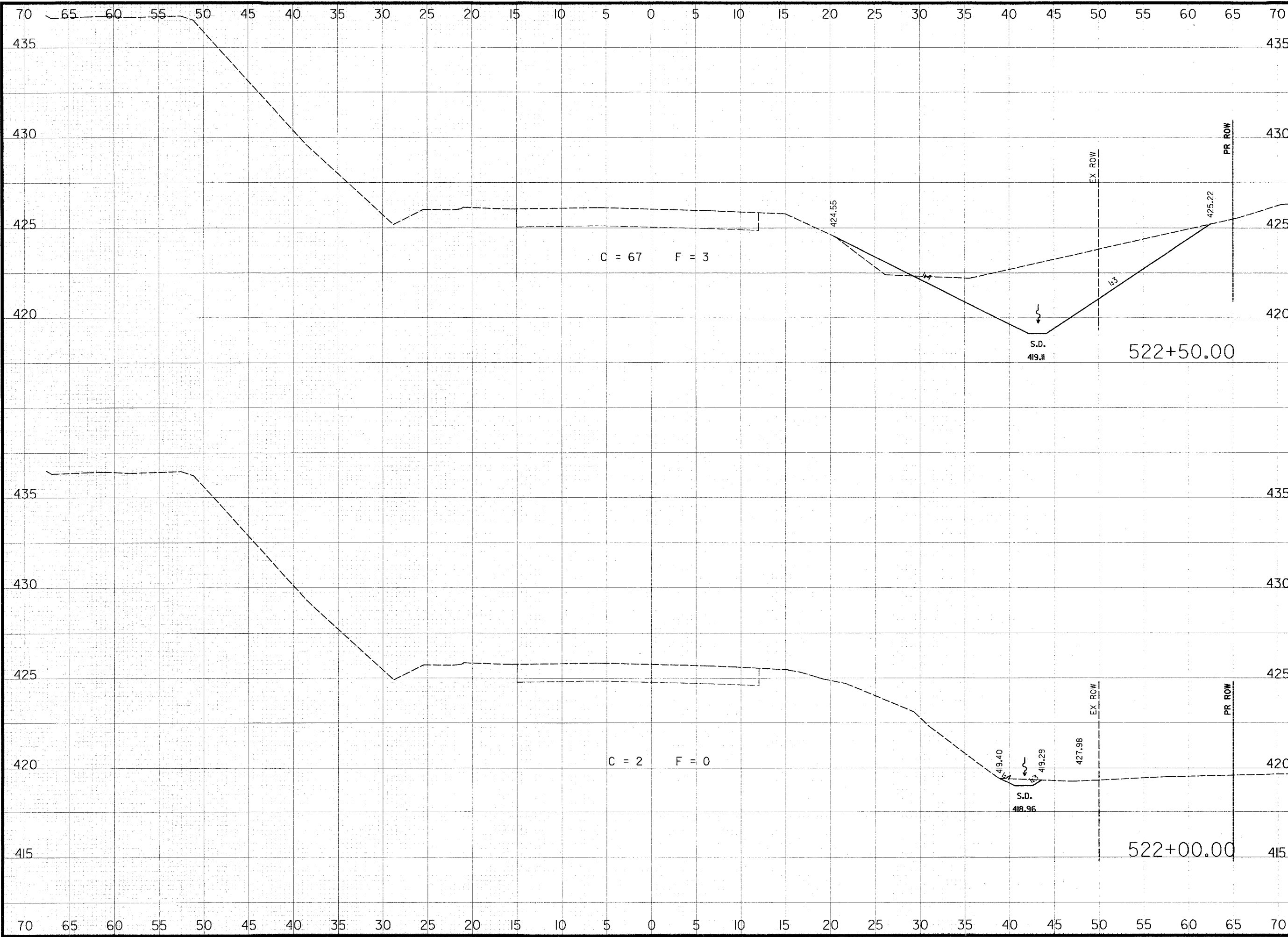
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TITLE:
ILLINOIS ROUTE 161
CROSS SECTIONS

PROJECT:
COUNTY ROAD
RECONSTRUCTION - PHASE II
CITY OF MASCOUTA
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
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DRAWN BY: JWS	SHEET
DESIGNED BY: JWS	107
CHECKED BY: SJK	OF 113 SHEETS
APPROVED BY:	PROJECT DESCRIPTION
PROJECT NUMBER: T20-010154	COUNTY ROAD REALIGNMENT
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



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PROFESSIONAL REGISTRATIONS	LICENSE NO.
ILLINOIS PROFESSIONAL DESIGN FIRM	184-001220
PROFESSIONAL ENGINEERING CORP.	62-035370
PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

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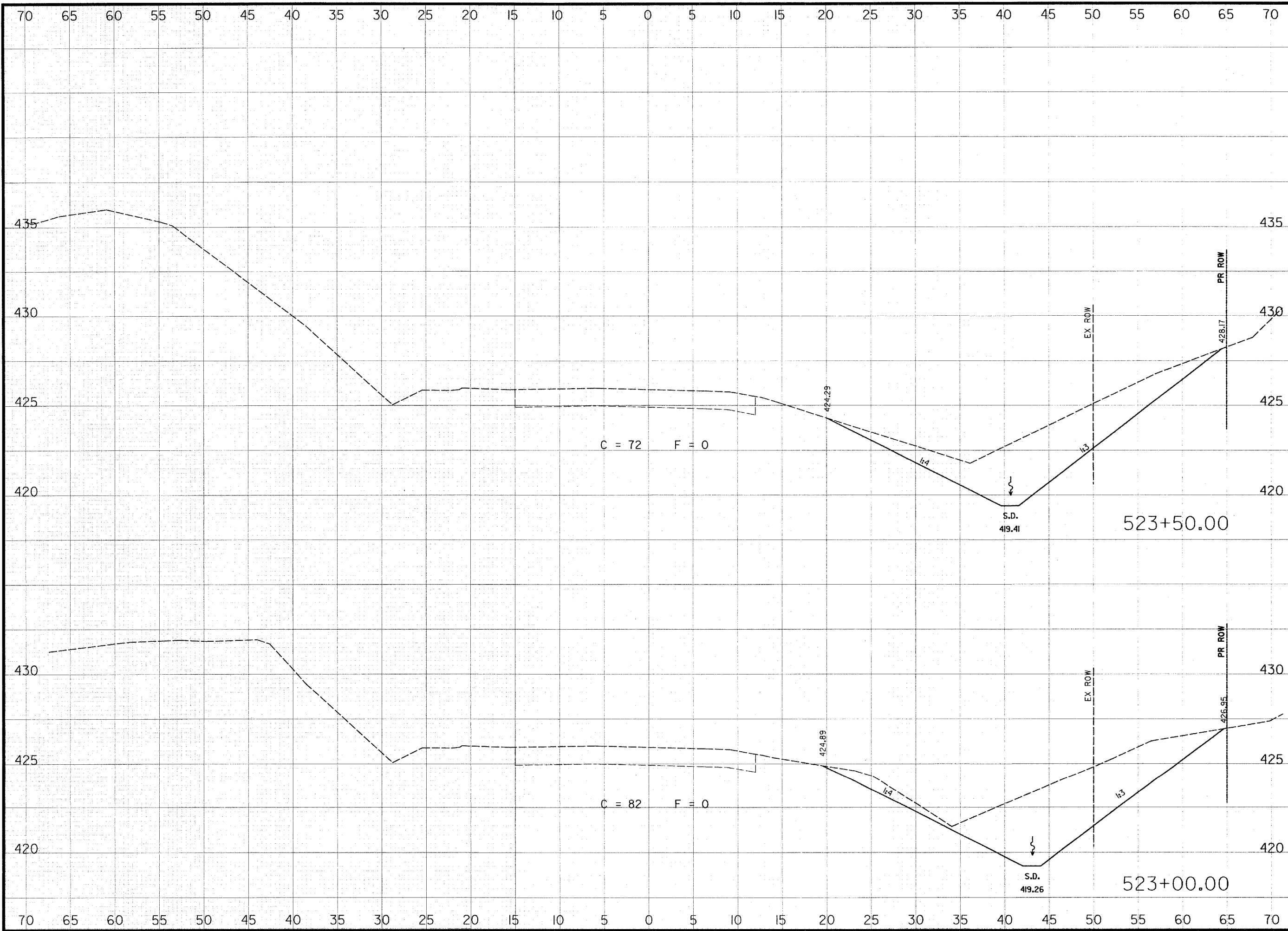
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TITLE: ILLINOIS ROUTE 161 CROSS SECTIONS

PROJECT: COUNTY ROAD RECONSTRUCTION - PHASE II CITY OF MASCOUTAH ST. CLAIR COUNTY, ILLINOIS

REV	DATE	DESCRIPTION
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DRAWN BY: JWS	SHEET 108
DESIGNED BY: JWS	OF 113 SHEETS
CHECKED BY: SJK	PROJECT DESCRIPTION: COUNTY ROAD REALIGNMENT
APPROVED BY:	PROJECT NUMBER: 20-010154
<input checked="" type="checkbox"/> ISSUED FOR REVIEW <input type="checkbox"/> ISSUED FOR BIDDING <input type="checkbox"/> ISSUED FOR CONSTR. <input type="checkbox"/> RECORD DRAWING	



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PROFESSIONAL REGISTRATIONS	LICENSE NO.
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ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	MC 001528
MISSOURI LAND SURVEYING CORP.	MC 000346

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Signature Date:

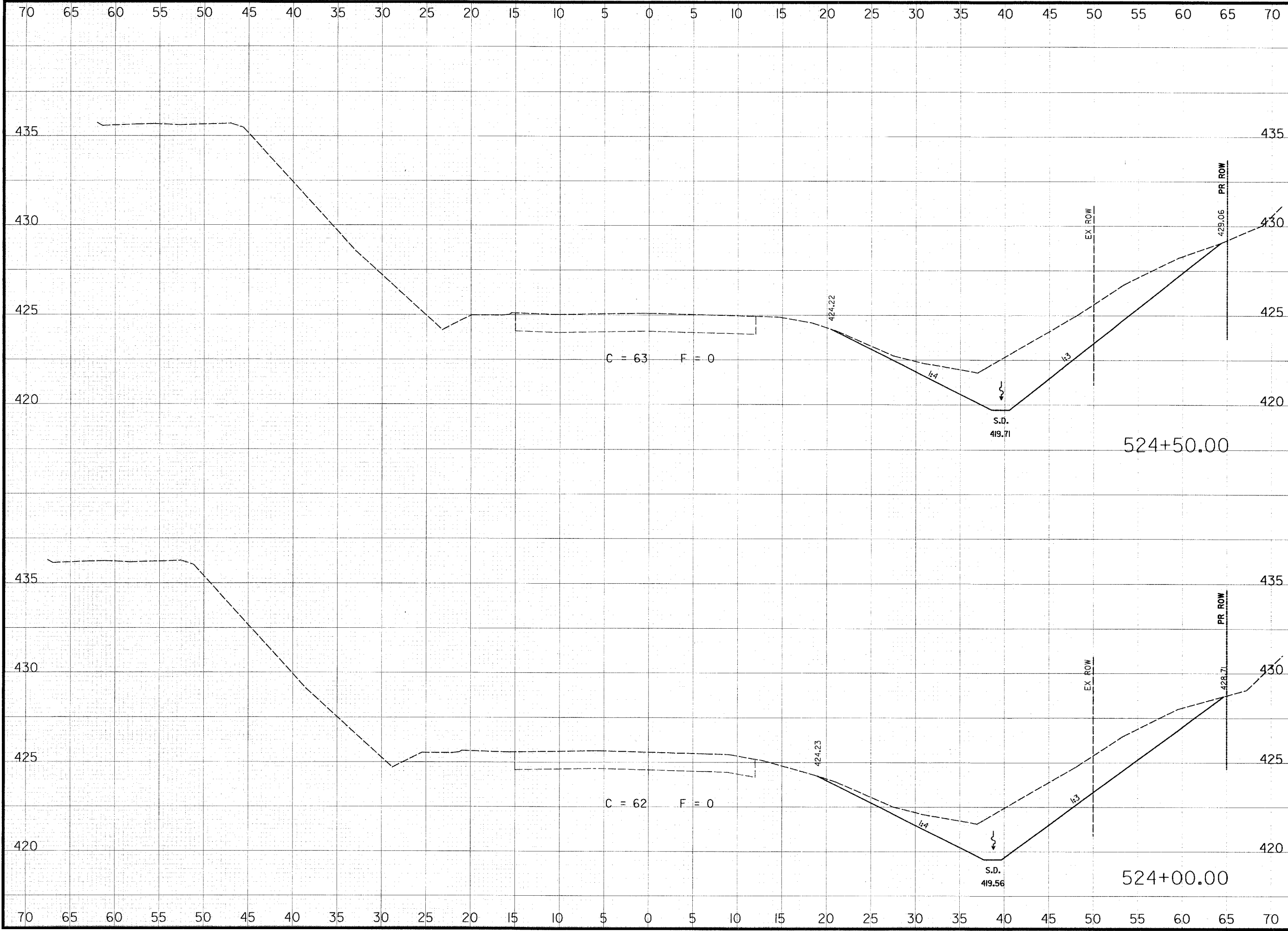
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TITLE:
ILLINOIS ROUTE 161
CROSS SECTIONS

PROJECT:
COUNTY ROAD
RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV	DATE	DESCRIPTION
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DRAWN BY: JWS	SHEET 109
DESIGNED BY: JWS	OF 113 SHEETS
CHECKED BY: SJK	PROJECT DESCRIPTION
APPROVED BY:	COUNTY ROAD REALIGNMENT
PROJECT NUMBER: 20-010154	
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



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ILLINOIS PROFESSIONAL DESIGN FIRM	184-001720
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MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

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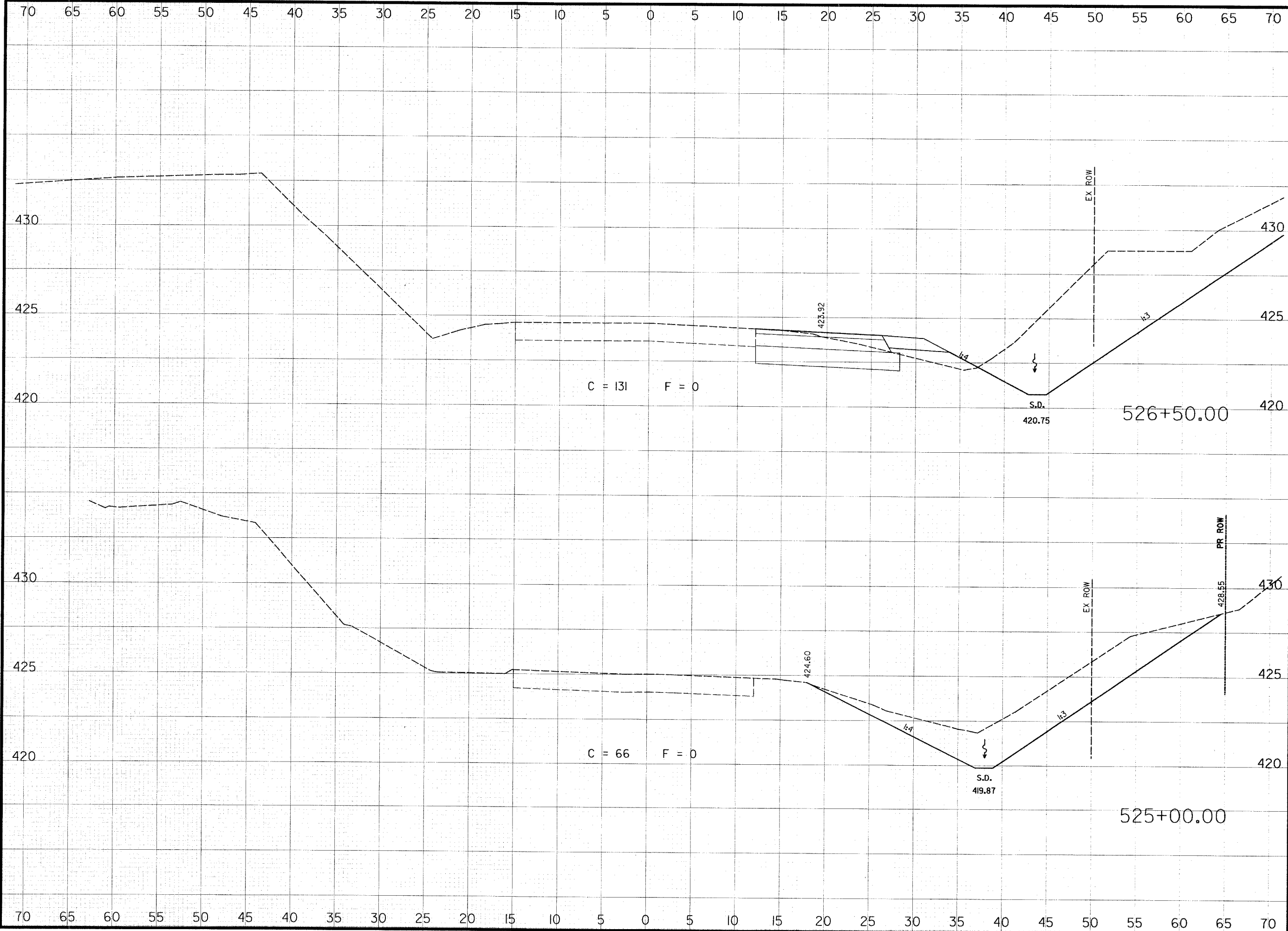
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TITLE: ILLINOIS ROUTE 161 CROSS SECTIONS

PROJECT: COUNTY ROAD RECONSTRUCTION - PHASE II CITY OF MASCOUTAH ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
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DRAWN BY: _____	JWS	SHEET
DESIGNED BY: _____	JWS	110
CHECKED BY: _____	SJK	OF 113 SHEETS
APPROVED BY: _____		PROJECT DESCRIPTION
PROJECT NUMBER: 20-010154		COUNTY ROAD REALIGNMENT
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING	
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING	



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PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	NC 001528
MISSOURI LAND SURVEYING CORP.	NC 000346

SEAL

Renewal Date:
Signature Date:

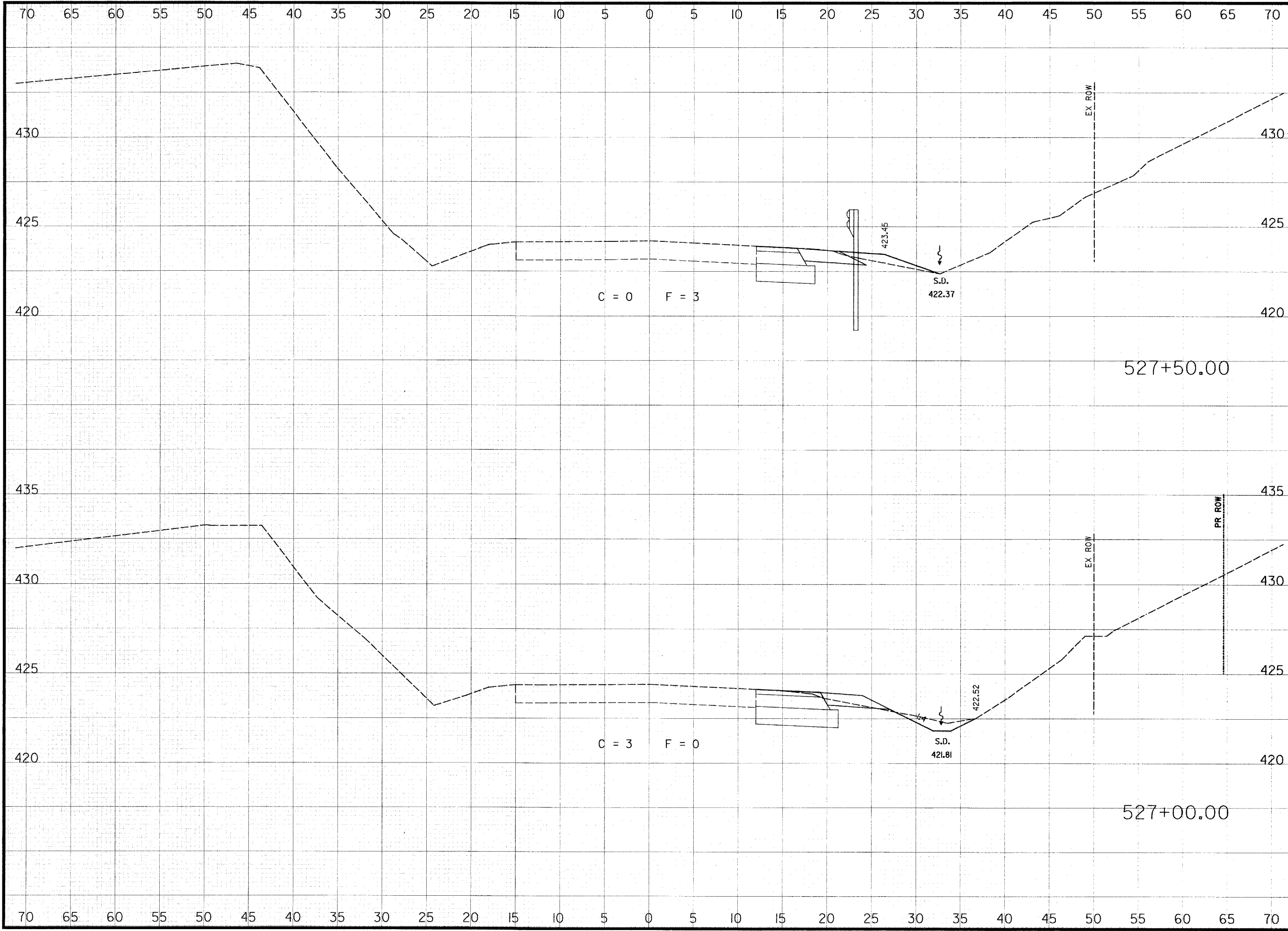
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TITLE: ILLINOIS ROUTE 161 CROSS SECTIONS

PROJECT: COUNTY ROAD RECONSTRUCTION - PHASE II CITY OF MASCOUTAH ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
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DRAWN BY: JWS	SHEET 111
DESIGNED BY: JWS	OF 113 SHEETS
CHECKED BY: SJK	PROJECT DESCRIPTION: COUNTY ROAD REALIGNMENT
APPROVED BY:	PROJECT NUMBER: T20-010154
<input checked="" type="checkbox"/> ISSUED FOR REVIEW <input type="checkbox"/> ISSUED FOR BIDDING <input type="checkbox"/> ISSUED FOR CONSTR. <input type="checkbox"/> RECORD DRAWING	



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PROJECT: COUNTY ROAD RECONSTRUCTION - PHASE II CITY OF MASCOUTAH ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
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CHECKED BY: SJK	PROJECT DESCRIPTION COUNTY ROAD REALIGNMENT
APPROVED BY:	
PROJECT NUMBER: 20-010154	

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70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70

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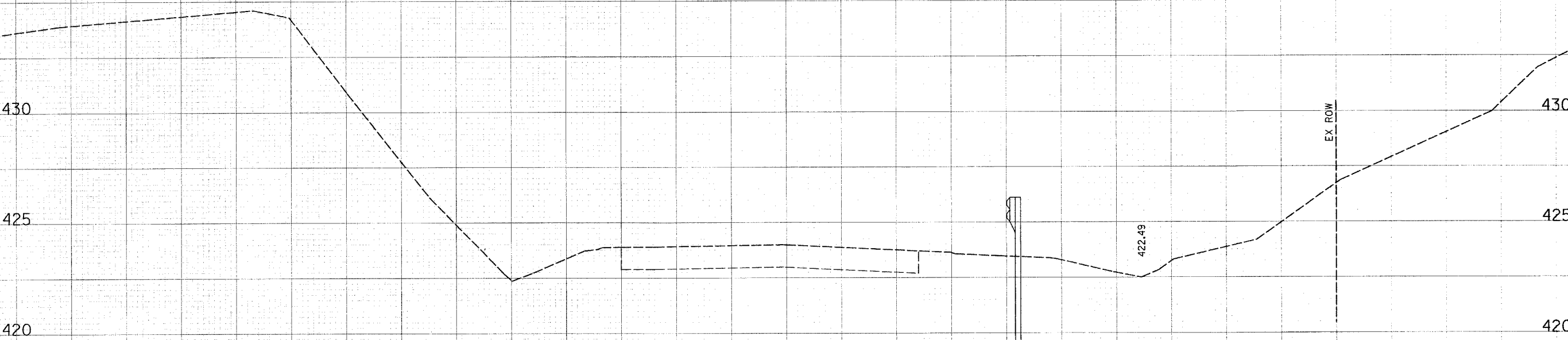
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**ILLINOIS ROUTE 161
CROSS SECTIONS**

PROJECT:
COUNTY ROAD
RECONSTRUCTION - PHASE II
CITY OF MASCOUTAH
ST. CLAIR COUNTY, ILLINOIS

REV	DATE	DESCRIPTION
△		
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CHECKED BY: SJL	PROJECT DESCRIPTION COUNTY ROAD REALIGNMENT
APPROVED BY: -	
PROJECT NUMBER: 20-010154	

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