

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-RS	COOK	98	1

03-08-2019 LETTING ITEM 148

FOR INDEX OF SHEETS AND LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

DESIGN DESIGNATION

NORTHFIELD ROAD  
2,900 (19) MINOR COLLECTOR 0.47 (FD-20)

TRAFFIC DATA

MINOR COLLECTOR  
NORTHFIELD ROAD  
DESIGN SPEED: 35 MPH  
POSTED SPEED: 30 MPH  
ADT: 2,400 (2014)  
ADT: 5,000 (2040)

# STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU 1039 (NORTHFIELD ROAD)  
WINNETKA ROAD TO WILLOW ROAD  
RECONSTRUCTION  
SECTION 16-00053-00-RS  
PROJECT XRLL(074)  
VILLAGE OF NORTHFIELD  
COOK COUNTY  
C-91-159-18

PROJECT ENDS  
NORTHFIELD ROAD  
STATION 175+07.20

PROJECT BEGINS  
NORTHFIELD ROAD  
STATION 148+55.66



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APPROVED ON: NOVEMBER 26, 2018 *[Signature]*  
VILLAGE OF NORTHFIELD, DIRECTOR OF PUBLIC WORKS

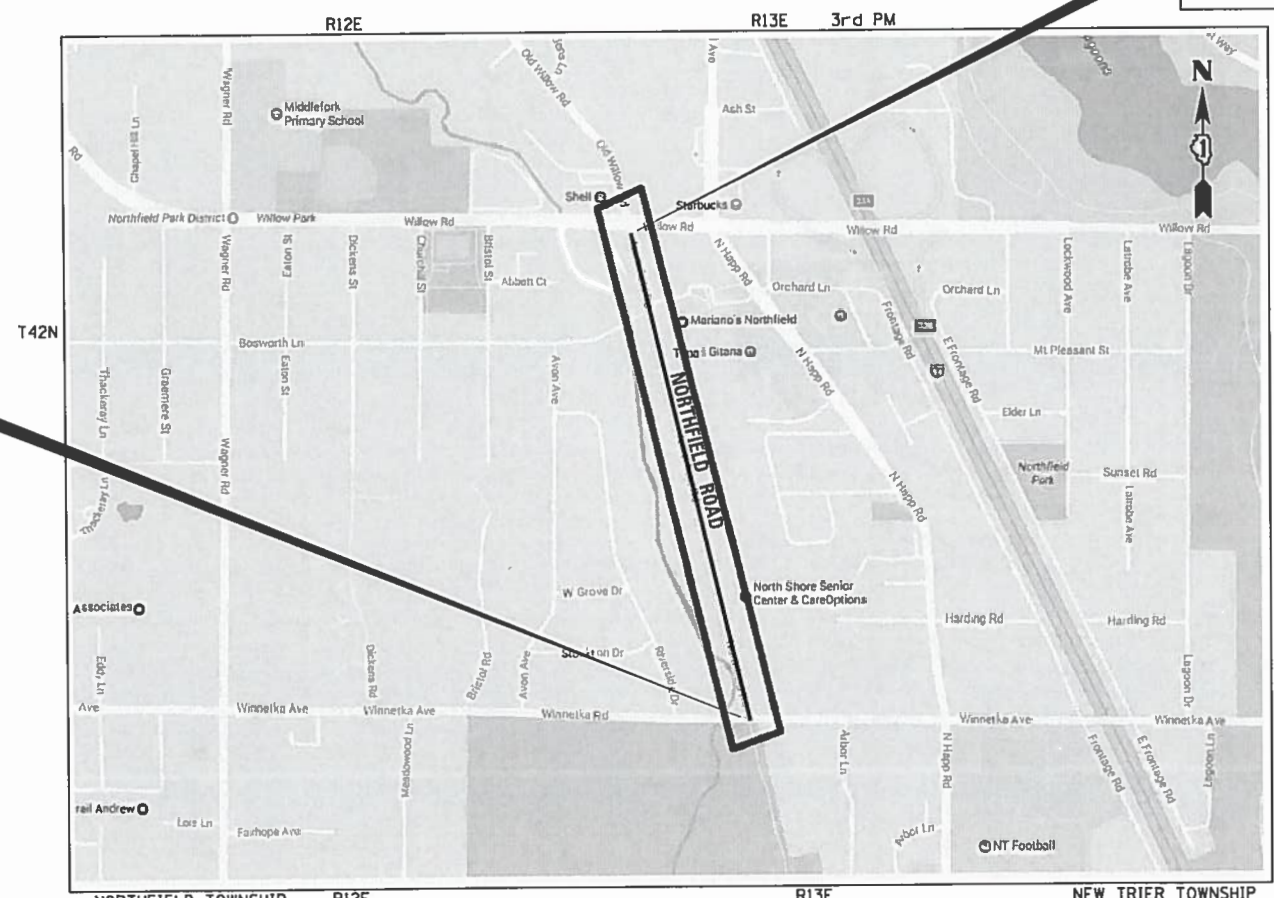
PASSED 12-14, 2018 *[Signature]*  
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID  
BASED ON LIMITED REVIEW December 17, 2018 *[Signature]*  
REGIONAL ENGINEER

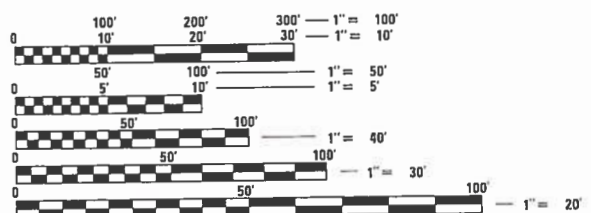


JEFFREY R. STANKO, P.E.  
NO. 062-060033  
EXP. DATE 11/30/19

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OF THE STATE OF ILLINOIS



VILLAGE OF NORTHFIELD  
**LOCATION MAP**  
NOT TO SCALE  
PROJECT LENGTH (GROSS / NET)  
TOTAL LENGTH 2,651.54 FT (0.50 MILES)



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

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

CONTRACT NO. 61F49



FEDERAL AID PROGRAM ENGINEER: CARMEN E. RAMOS, P.E., SCHAMBURG, IL

INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS AND HIGHWAY STANDARDS
3	GENERAL NOTES
4-5	SUMMARY OF QUANTITIES
6	EARTHWORK TABLE
7	EXISTING TYPICAL SECTIONS
8	PROPOSED TYPICAL SECTIONS
9	ALIGNMENT, TIES, AND BENCHMARKS
10-12	REMOVAL PLANS
13-18	PLAN AND PROFILE
19	SUGGESTED CONSTRUCTION STAGING - GENERAL NOTES
20	SUGGESTED TRAFFIC CONTROL TYPICAL SECTIONS
21-23	SUGGESTED TRAFFIC CONTROL PLAN - STAGE I
24-26	SUGGESTED TRAFFIC CONTROL PLAN - STAGE II
27-29	DETOUR PLAN
30-32	EROSION CONTROL PLANS
33-35	DRAINAGE REMOVAL PLANS
36-37	DRAINAGE SCHEDULE
38-43	DRAINAGE AND UTILITY PLANS
44-46	MWRDGC NOTES AND DETAILS
47-49	PAVEMENT MARKING AND SIGNING PLANS
50-52	LANDSCAPING PLANS
53-56	TRAFFIC SIGNAL LEGEND, TEMPORARY SIGNAL PLAN, STAGING, AND CABLE PLANS
57-59	ADA RAMP DETAILS
60-69	IDOT DISTRICT ONE DETAILS - GENERAL DETAILS
70-98	NORTHFIELD ROAD CROSS SECTIONS

HIGHWAY STANDARDS

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-04	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-05	DEPRESSED CORNER FOR SIDEWALKS
424026-03	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
601001-05	PIPE UNDERDRAINS
602001-02	CATCH BASIN TYPE A
602301-04	INLET - TYPE A
602401-06	PRECAST MANHOLE TYPE A 4' (1.22 m) DIAMETER
602402-02	PRECAST MANHOLE TYPE A 5' (1.52 m) DIAMETER
602406-10	PRECAST MANHOLE TYPE A 6' (1.83 m) DIAMETER
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP MANHOLE STEPS
604001-04	FRAME AND LIDS TYPE 1
604086-03	FRAME AND GRATE TYPE 23
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
630001-12	STEEL PLATE BEAM GUARDRAIL
630201-07	PCC / HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
701006-05	OFF-RD OPERATIONS, 2L, 2W 15' (4.5m) TO 24" (600 mm) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATION OF TYPE A AND B METAL POSTS (FOR SIGNS & MARKERS)
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

DISTRICT DETAILS

BD-01	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER > = 15' (4.5 m)
BD-02	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB < 15' (4.5 m)
BD-07	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC-11	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
TC-21	DETOUR SIGNING FOR CLOSING STATE HIGHWAYS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-26	DRIVEWAY ENTRANCE SIGNING

PROJECT UTILITY CONTACT LIST

NICOR GAS 1844 FERRY ROAD NAPERVILLE, IL 60563-9600 ATTN: BRUCE KOPPANG DOT LIAISON - ENGINEERING 630-388-3046	SPRINT NEXTEL 5600 N RIVER RD, SUITE 300 ROSEMONT, IL 60018 ATTN: JAMES BURTON 708-955-6659	MWRD 111 EAST ERIE STREET CHICAGO, IL. 60611 ATTN: JOE SCHUESSLER PRINCIPAL CIVIL ENGINEER 312-751-3236
COMMONWEALTH EDISON 1500 FRANKLIN BLVD LIBERTYVILLE, IL 60048 ATTN: TERRI BLECK PUBLIC RELOCATION GROUP 360-576-7094	AT&T AT&T LNS/TCG CHICAGO 4513 WESTERN AVE, RM 227 LISLE, IL. 60532 ATTN: BOBBY AKHTER OSP ENGINEER 630-390-0089	VILLAGE OF NORTHFIELD 361 HAPP ROAD NORTHFIELD, IL 60093 ATTN: MICHAEL NYSTRAND DIRECTOR OF PUBLIC WORKS 847-446-9200
COMCAST CABLE 688 INDUSTRIAL DRIVE ELMHURST, IL 60126 ATTN: ROBERT SCHULTER DIVISION DIRECTOR OF CONSTRUCTION 224-229-5849	AT&T 1000 COMMERCE DRIVE OAK BROOK, IL 60523 ATTN: KATE PETERS 630-573-5450	

PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE	
	NOT AT THIS CITY	

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE	
	NOT AT THIS CITY	

**TranSystems**  
1475 EAST WOODFIELD ROAD, SUITE 600  
SCHAUMBURG, ILLINOIS 60173  
(847) 605-9600

FILE NAME = Invalid expression'	USER NAME = CECComin	DESIGNED - CEC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>NORTHFIELD ROAD WINNETKA ROAD TO WILLOW ROAD INDEX OF SHEETS AND HIGHWAY STANDARDS</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 50 SCALE	DRAWN - MLB	REVISED -			1039	16-00053-00-RS	COOK	98	2	
	PLOT DATE = 1/11/2019	CHECKED - DWB	REVISED -			CONTRACT NO. 61F49					
		DATE - 11/26/2018	REVISED -			SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		

GENERAL NOTES

VILLAGE COORDINATION:

THE CONTRACTOR SHALL NOTIFY THE VILLAGE OF NORTHFIELD ENGINEER (847) 446-9200 AT LEAST 72 HOURS IN ADVANCE OF BEGINNING WORK AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER. SPECIAL ATTENTION IS CALLED TO SECTION 105 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS FOR TRAFFIC CONTROL AND PROTECTION. THE STORAGE OF EQUIPMENT AND/OR MATERIALS WITHIN THE PARKWAYS SHALL REQUIRE PRIOR APPROVAL OF THE ENGINEER. THE CONTRACTOR SHALL NOTIFY THE VILLAGE OF NORTHFIELD PUBLIC WORKS DEPARTMENT AT 847-441-3810 48 HOURS PRIOR TO STARTING ANY WORK. THE CONTRACTOR SHALL ALSO CONTACT THE VILLAGE OF NORTHFIELD PUBLIC WORKS DEPARTMENT UTILITY DIVISION AT 847-441-3810 FOR ALL WATER MAIN SHUTOFFS. UNDER NO CONDITION SHALL THE CONTRACTOR OPERATE ANY VALVES OR HYDRANTS WITHIN THE PROJECT AREA. THE CONTRACTOR SHALL PROVIDE THE VILLAGE AND ENGINEER, PRIOR TO BEGINNING CONSTRUCTION, WITH THE NAME AND PHONE NUMBER OF A CONTACT PERSON THAT WILL BE AVAILABLE FOR QUICK RESPONSE FOR AFTER-HOURS EMERGENCIES. IF THAT PERSON DOES NOT RESPOND WITHIN 4 HOURS OF THE CALL, THEN THE VILLAGE SHALL HIRE OR USE OTHER PERSONNEL TO REMEDY THE EMERGENCY.

PUBLIC OR PRIVATE UTILITIES:

THE LOCATION OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THE VILLAGE DOES NOT GUARANTEE ITS ACCURACY. THE CONTRACTOR WILL BE REQUIRED TO ASCERTAIN THE EXACT LOCATIONS OF SUCH FACILITIES SO AS NOT TO DAMAGE THEM IN ACCORDANCE WITH THE SPECIAL PROVISIONS AND ARTICLE 105.07 OF THE STANDARD SPECIFICATIONS. THEIR FACILITIES MAY BE REQUIRED TO BE ADJUSTED OR RELOCATED.

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS, AND OTHER UTILITY FACILITIES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE OR DESTRUCTION OF PUBLIC OR PRIVATE PROPERTY, AND SHALL RESTORE SUCH PROPERTY.

COORDINATION OF ALL UTILITY WORK INVOLVED IN THE CONSTRUCTION AREA WILL BE DISCUSSED AT A PRE-CONSTRUCTION CONFERENCE. THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS AND PROTECTIVE MEASURES REQUIRED TO MAINTAIN EXISTING UTILITIES, SEWERS, AND APPURTENANCES THAT MUST BE KEPT IN OPERATION. IN PARTICULAR, THE CONTRACTOR SHALL TAKE ADEQUATE MEASURES TO PREVENT THE UNDERMINING OF UTILITIES AND SEWERS WHICH ARE STILL IN SERVICE. WHENEVER THE CONTRACTOR ENCOUNTERS FACILITIES AND APPURTENANCES WITHIN THE LIMITS OF THE IMPROVEMENTS DURING TRENCHING OPERATION, HE WILL BE REQUIRED TO HAND TRENCH IN THAT AREA IN ORDER NOT TO DAMAGE THE FACILITIES.

SPRINKLER SYSTEMS DAMAGED BY THE CONTRACTOR OR IN CONFLICT WITH THE PROPOSED IMPROVEMENT SHALL BE REPAIRED OR RELOCATED BY THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH PROPERTY OWNERS OR SPRINKLER SYSTEM MAINTENANCE CONTRACTORS TO DETERMINE REPAIR METHODS OR RELOCATION LIMITS.

DISPOSAL OF MATERIALS:

THE CONTRACTOR WILL BE REQUIRED TO DISPOSE OF ALL SIDEWALK, CURB AND GUTTER, PAVEMENT, AND ALL OTHER MATERIAL EXCAVATED OR REMOVED DUE TO CONSTRUCTION OPERATIONS. ALL EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM SITE ON THE DAY IT IS EXCAVATED. NO PAYMENT WILL BE MADE FOR HAULING OR TRUCKING MATERIAL TO LOCATIONS, PROVIDED BY THE CONTRACTOR, OUTSIDE THE LIMITS OF THE IMPROVEMENT.

EXISTING DRAINAGE STRUCTURES:

DURING CONSTRUCTION OPERATIONS, WHENEVER ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED BY THE CONTRACTOR AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE FROM ALL DIRT AND DEBRIS.

DRAINAGE STRUCTURE ADJUSTMENT AND RECONSTRUCTION:

ONLY PRECAST CONCRETE ADJUSTMENT RINGS WILL BE ALLOWED IN THE ADJUSTMENT OR RECONSTRUCTION OF CATCH BASIN, MANHOLE, INLET AND VALVE VAULT STRUCTURES. COMMON BRICK WILL NOT BE ALLOWED.

MAINTAINING DRAINAGE:

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN DRAINAGE FLOWS AT ALL TIMES DURING THE PERFORMANCE OF THE WORK. METHODS USED BY THE CONTRACTOR SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER.

FRAMES AND GRATES:

FRAMES ON ALL NEW STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE COST. ALL FRAMES, GRATES, LIDS AND BOXES REMOVED FROM EXISTING WATER SERVICE OR SEWER STRUCTURES WHICH ARE TO BE ABANDONED OR ADJUSTED WITH A NEW OR DIFFERENT FRAME AND LID SHALL BECOME THE PROPERTY OF THE VILLAGE OF NORTHFIELD.

ANY OF THESE ITEMS WHICH ARE DAMAGED OR BROKEN DURING HANDLING SHALL BE REPLACED BY THE CONTRACTOR. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR SALVAGING THESE EXISTING FRAMES, GRATES, LIDS, OR BOXES, STOCKPILING THEM ON THE JOB SITE, AND DELIVERING THEM TO THE MAINTENANCE FACILITY OF THE VILLAGE OF NORTHFIELD. THE CONTRACTOR SHALL NOTIFY THE VILLAGE 24 HOURS PRIOR TO DELIVERY.

TYPE 1 FRAME, CLOSED LID:

ALL FRAMES WITH CLOSED LIDS TO BE FURNISHED AS PART OF THIS CONTRACT FOR CONSTRUCTION, ADJUSTMENT OR RECONSTRUCTION OF ANY STORM SEWER MANHOLE SHALL HAVE THE WORD "STORM" CAST INTO THE LID. ALL WATER VALVE VAULTS FURNISHED AS A PART OF THIS CONTRACT FOR CONSTRUCTION, ADJUSTMENT OR RECONSTRUCTION SHALL HAVE THE WORD "WATER" CAST INTO THE LID AND ALL COMBINATION MANHOLES FURNISHED AS PART OF THIS CONTRACT FOR CONSTRUCTION, ADJUSTMENT OR RECONSTRUCTION SHALL HAVE THE WORD "SANITARY" CAST INTO THE LID.

DRIVEWAYS:

LOCAL ACCESS FOR RESIDENTS AND BUSINESS SHALL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL MAINTAIN INGRESS AND EGRESS TO ALL ABUTTING PROPERTIES DURING CONSTRUCTION OPERATIONS EXCEPT FOR A MAXIMUM PERIOD OF 4 CALENDAR DAYS AFTER NEW CONCRETE CURB, DRIVEWAY PAVEMENT OR SIDEWALK IS POURED. BUSINESSES SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THIS PERIOD.

PAVEMENT MARKINGS:

THE RESIDENT ENGINEER SHALL CONTACT WALTER CZARNY, AREA TRAFFIC FIELD ENGINEER, AT (847) 715-8419 AND THE VILLAGE OF NORTHFIELD, AT LEAST TWO (2) WEEKS PRIOR TO PLACING PERMANENT PAVEMENT MARKINGS.

WATER:

THE CONTRACTOR MUST OBTAIN A FIRE HYDRANT PERMIT FROM THE VILLAGE IN ORDER TO OBTAIN ACCESS TO MUNICIPAL WATER. THE CONTRACTOR WILL BE REQUIRED TO SUPPLY THEIR OWN RPZ BACKFLOW PREVENTOR WHEN ACCESSING MUNICIPAL WATER. THE CONTRACTOR CAN PICK UP A VILLAGE ISSUED HYDRANT METER AT THE VILLAGE PUBLIC WORKS LOCATED AT 1800 WINNETKA RD CONTACT (847) 441-3810. A \$1,000 DEPOSIT (CASH, CHECK, VISA, OR MASTERCARD) IS REQUIRED BEFORE A VILLAGE HYDRANT METER WILL BE ISSUED. THE DEPOSIT WILL BE REFUNDED IF THE METER IS RETURNED IN GOOD CONDITION.

THE CONTRACTOR SHALL NOTIFY THE DIRECTOR OF PUBLIC WORKS AT (847) 441-3810, 48 HOURS PRIOR TO ANY FIRE HYDRANT OR WATER MAIN WORK.

ENVIRONMENTAL FIRM:

THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM TO CONTINUOUSLY MONITOR FOR WORKER SAFETY AND SOIL CONTAMINATION AT SEVERAL AREAS. SEE SPECIAL PROVISION AND SUPPLEMENTAL SPECIFICATIONS FOR DETAILS.

THE ENVIRONMENTAL FIRM IS REQUIRED TO CONTINUOUSLY MONITOR FOR WORKER PROTECTION AND SOIL CONTAMINATION AT SEVERAL AREAS. SEE SPECIAL PROVISION AND SUPPLEMENTAL SPECIFICATIONS FOR DETAILS.

EXISTING AND PROPOSED SIDEWALK:

IN THE REMOVAL OF SIDEWALK THE USE OF ANY TYPE OF CONCRETE BREAKER THAT WILL DAMAGE THE UNDERGROUND STRUCTURES WILL NOT BE PERMITTED.

ALL PROPOSED SIDEWALK (CROSS -WALK) SHALL BE RAMPED IN COMPLIANCE WITH THE CURRENT IDOT BDE MANUAL, IDOT BLR MANUAL, PROWAG AND ADA REQUIREMENTS.

TRAFFIC CONTROL:

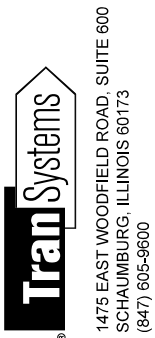
NO LANE CLOSURES OR TRAFFIC DETOURS RELATING TO PERMITTED WORK WILL BE ALLOWED BETWEEN THE HOURS OF 6 A.M. TO 9 A.M. AND 3 P.M. TO 6:30 P.M., (OTHER THAN AS ALLOWED FOR EMERGENCY MAINTENANCE PER THE ORDINANCE)

COMMITMENTS

NO COMMITMENTS.

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PROFILE	SURVEYED	DATE
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	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	



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Invalid expression		DRAWN - MLB	REVISED -			1039	16-00053-00-R5	COOK	98	3	
Default		PLOT SCALE = 50 SCALE	REVISIED -			CONTRACT NO. 61F49					
		PLOT DATE = 11/21/2018	REVISIED -			SCALE: NONE	SHEET 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

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	CADD FILE NAME	

TranSystems  
1475 EAST WOODFIELD ROAD, SUITE 800  
SCHAUMBURG, ILLINOIS 60173  
(847) 605-9600

SUMMARY OF QUANTITIES				0005 ROADWAY 70% STU 30% LA
CODE NUMBER	ITEMS	UNIT	TOTAL QUANTITY	
20101000	TEMPORARY FENCE	FOOT	820	820
* 20101200	TREE ROOT PRUNING	EACH	6	6
* 20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	6	6
20200100	EARTH EXCAVATION	CU YD	3,539	3,539
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	781	781
20800150	TRENCH BACKFILL	CU YD	100	100
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	3,819	3,819
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	2,807	2,807
25000110	SEEDING, CLASS 1A	ACRE	1	1
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	68	68
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	68	68
25100630	EROSION CONTROL BLANKET	SQ YD	2,807	2,807
28000400	PERIMETER EROSION BARRIER	FOOT	1,557	1,557
28000510	INLET FILTERS	EACH	47	47
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	1,273	1,273
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	10,576	10,576
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	1,752	1,752
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	249	249
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	4,132	4,132
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	3,002	3,002
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	591	591
42001300	PROTECTIVE COAT	SQ YD	1,544	1,544
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	1,067	1,067
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1,125	1,125
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	1,597	1,597
42400800	DETECTABLE WARNINGS	SQ FT	118	118
44000100	PAVEMENT REMOVAL	SQ YD	8,629	8,629

SUMMARY OF QUANTITIES				0005 ROADWAY 70% STU 30% LA
CODE NUMBER	ITEMS	UNIT	TOTAL QUANTITY	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1,528	1,528
44000300	CURB REMOVAL	FOOT	149	149
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	5,448	5,448
44000600	SIDEWALK REMOVAL	SQ FT	1,952	1,952
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	90	90
550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	756	756
55100400	STORM SEWER REMOVAL 10"	FOOT	25	25
55100500	STORM SEWER REMOVAL 12"	FOOT	15	15
55100700	STORM SEWER REMOVAL 15"	FOOT	16	16
55101400	STORM SEWER REMOVAL 30"	FOOT	5	5
55101900	STORM SEWER REMOVAL 48"	FOOT	231	231
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	980	980
60201330	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 23 FRAME AND GRATE	EACH	15	15
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1
60237460	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	EACH	16	16
60250200	CATCH BASINS TO BE ADJUSTED	EACH	3	3
60250500	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1
60251730	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 23 FRAME AND GRATE	EACH	8	8
60254330	CATCH BASINS TO BE RECONSTRUCTED WITH NEW TYPE 23 FRAME AND GRATE	EACH	2	2
60261530	INLETS TO BE ADJUSTED WITH NEW TYPE 23 FRAME AND GRATE	EACH	3	3
60264130	INLETS TO BE RECONSTRUCTED WITH NEW TYPE 23 FRAME AND GRATE	EACH	1	1
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	4	4
60266100	VALVE VAULTS TO BE RECONSTRUCTED	EACH	1	1
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	2	2
60500050	REMOVING CATCH BASINS	EACH	1	1

\* DENOTES SPECIALTY ITEM

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Invalid expression*		DRAWN - MLB	REVISED -
Default	PLOT SCALE = 50 SCALE	CHECKED - DWB	REVISED -
	PLOT DATE = 12/13/2018	DATE - 11/26/2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

NORTHFIELD ROAD  
WINNETKA ROAD TO WILLOW ROAD  
SUMMARY OF QUANTITIES

F.A.U. RTE. 1039	SECTION 16-00053-00-RS	COUNTY COOK	TOTAL SHEETS 98	SHEET NO. 4
SCALE: NONE				SHEET 1 OF 2 SHEETS
STA. TO STA.		CONTRACT NO. 61F49		
ILLINOIS FED. AID PROJECT				



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

PROFILE SURVEYED PLOTTED CHECKED  
 NOTE BOOK RT. OF WAY CHECKED  
 NO. STRUCTURE NOTATIONS CHKD  
 BY DATE

**TranSystems**  
 1475 EAST WOODFIELD ROAD, SUITE 600  
 SCHALMIBURG, ILLINOIS 60173  
 (847) 605-9600

SUMMARY OF QUANTITIES				0005 ROADWAY 70% STU 30% LA
* CODE NUMBER	ITEMS	UNIT	TOTAL QUANTITY	
60500060	REMOVING INLETS	EACH	4	4
60600605	CONCRETE CURB, TYPE B	FOOT	111	111
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	5,444	5,444
* 63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	200	200
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2	2
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2
63200310	GUARDRAIL REMOVAL	FOOT	66	66
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	100	100
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	8	8
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1
* 66901002	ON-SITE MONITORING OF REGULATED SUBSTANCES	CAL DA	30	30
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1
67100100	MOBILIZATION	LSUM	1	1
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	730	730
70300100	SHORT TERM PAVEMENT MARKING	FOOT	400	400
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	64	64
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	74	74
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	3,072	3,072
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	404	404
70300280	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	338	338
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	184	184
* 72000100	SIGN PANEL - TYPE 1	SQ FT	115	115
* 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	22	22
* 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	5	5
* 72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	4	4

\* DENOTES SPECIALTY ITEM

SUMMARY OF QUANTITIES				0005 ROADWAY 70% STU 30% LA
* CODE NUMBER	ITEMS	UNIT	TOTAL QUANTITY	
* 72900100	METAL POST - TYPE A	FOOT	281	281
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	37	37
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1,536	1,536
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	202	202
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	169	169
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	92	92
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1	1
X0327576	TEMPORARY PATCHING	SQ YD	20	20
<del>42400435</del>	PORTLAND CEMENT CONCRETE SIDEWALK 10 INCH	SQ FT	480	480
X4240430	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SPECIAL	SQ FT	731	731
X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	6	6
X6026051	SANITARY MANHOLES TO BE RECONSTRUCTED	EACH	2	2
X6061005	CONCRETE CURB, TYPE B (SPECIAL)	FOOT	122	122
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1	1
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	2,006	2,006
Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	436	436
Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	51	51
* Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	3	3
Δ Z0076600	TRAINEES	HOUR	500	500
Δ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500
XX003822	STORM SEWER REMOVAL, SPECIAL	FOOT	8	8

Δ 0042

FILE NAME = Invalid expression	USER NAME = ttpelarinos	DESIGNED - CEC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>NORTHFIELD ROAD WINNETKA ROAD TO WILLOW ROAD SUMMARY OF QUANTITIES</b>	F.A.U. RTE. 1039	SECTION 16-00053-00-RS	COUNTY COOK	TOTAL SHEETS 98	SHEET NO. 5	
Default	PLOT SCALE = 50 SCALE	CHECKED - DWB	REVISED -			SCALE: NONE	SHEET 2 OF 2 SHEETS	STA. TO STA.	CONTRACT NO. 61F49		
	PLOT DATE = 12/13/2018	DATE - 11/26/2018	REVISED -			[ILLINOIS] FED. AID PROJECT					

PLAN	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	CHECKED		
	ALIGNMENT		
	PROPOSED		
	ROAD FILE NAME		

PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE		
	NOTATIONS CHECKED		

EARTHWORK TABLE

LOCATION:	REM AND DISP OF UNSUITABLE MATERIAL (TOPSOIL STRIPPING) (CU YD) 20201200	EARTH EXCAVATION (CU YD) 20200100	EXCAVATION TO BE USED IN EMBANKMENT (ADJ FOR 15% SHRINKAGE) (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
NORTHFIELD ROAD - STAGE I	289	1,824	1,550	35	+1,515
NORTHFIELD ROAD - STAGE II	139	1,715	1,458	18	+1,440
UNDERCUTTING FOR AGG. SUBGRADE IMPROVMENT	353				
<b>TOTAL</b>	<b>781</b>	<b>3,539</b>	<b>3,008</b>	<b>53</b>	<b>+2,955</b>

EARTHWORK SUMMARY OF QUANTITIES

	TOTAL	UNITS
(20200100) EARTH EXCAVATION	3,539	CU YD
(20201200) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (TOPSOIL STRIPPING)	428	CU YD
(30300001) • AGG. SUBGRADE IMPROVEMENT (UNDERCUT)	1,273	CU YD
FURNISHED EXCAVATION	0	CU YD

• AGGREGATE SUBGRADE IMPROVEMENT (CU YD) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSTABLE AND/OR UNSUITABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT (CU YD) WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE AND/OR DYNAMIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 (04/01/2016) OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE CURRENT IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE SOILS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

THE SUBGRADE STABILITY SHALL BE VERIFIED BY PROOF ROLLING WITH A FULLY LOADED TANDEM-AXLE TRUCK.

ANY AGGREGATE SUBGRADE IMPROVEMENT CONTAMINATED AND/OR DAMAGED BY THE CONTRACTOR'S VEHICLES AND/OR EQUIPMENTS IS TO BE REMOVED AND REPLACED AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (SSRBC) AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED A MINIMUM OF 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.

BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(b,c) OF THE SSRBC WILL NOT BE ALLOWED.



1475 EAST WOODFIELD ROAD, SUITE 600  
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Default		CHECKED - DWB	REVISED -
	PLOT DATE = 11/21/2018	DATE - 11/26/2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

NORTHFIELD ROAD WINNETKA ROAD TO WILLOW ROAD EARTHWORK TABLE		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NONE		1039	16-00053-00-RS	COOK	98	6
SHEET 1 OF 1 SHEETS		TO STA.		CONTRACT NO. 61F49		
ILLINOIS FED. AID PROJECT						

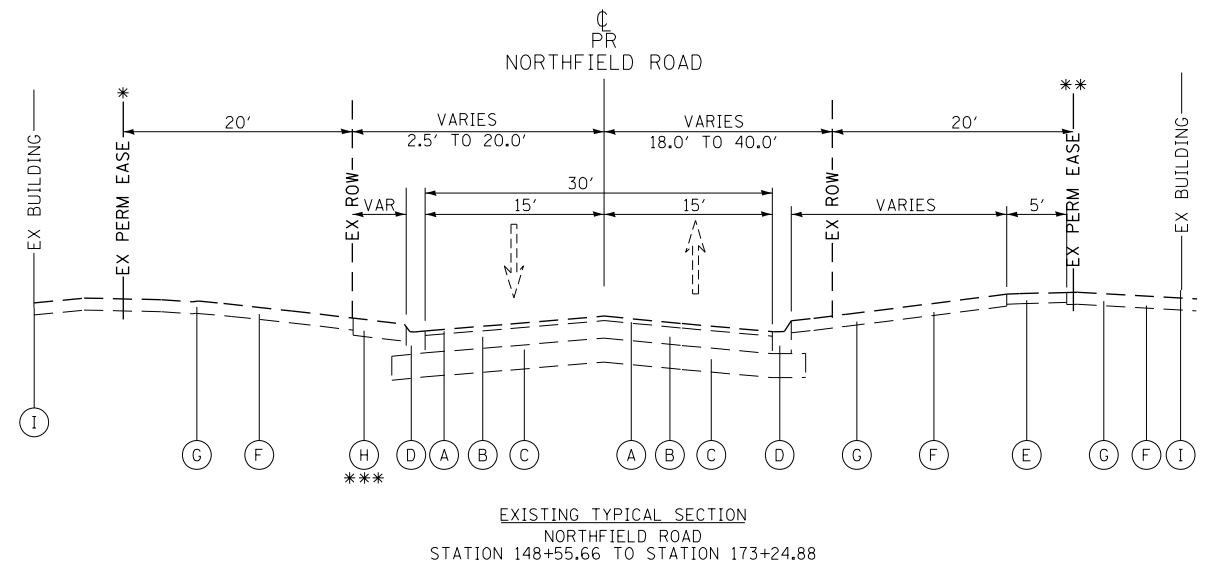
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	PLOTTED	
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	FILE NAME	
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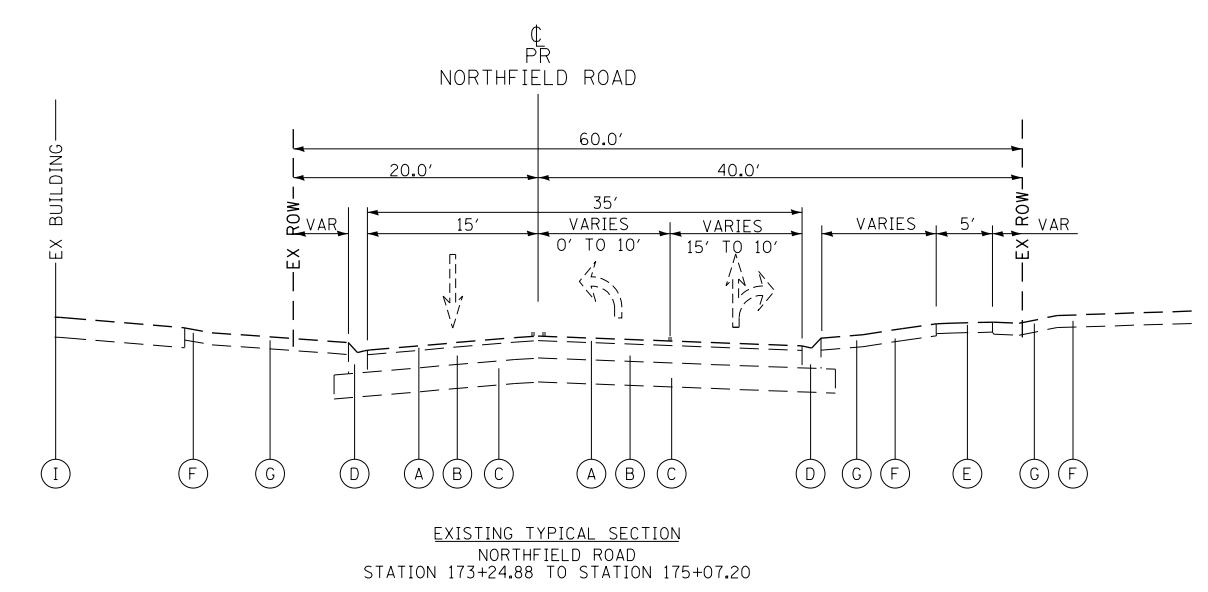
\* EX PERMANENT EASEMENT (LEFT)  
STATION 148+81.28 TO STATION 153+90.53

\*\* EX PERMANENT EASEMENT (RIGHT)  
STATION 153+88.84 TO STATION 161+27.57  
STATION 163+02.57 TO STATION 168+90.57

\*\*\* EX AGGREGATE SHOULDER, 8" (TO BE PAID FOR AS EARTH EXCAVATION):  
STA. 156+21.5 TO STA. 156+41.2 LEFT  
STA. 157+04.6 TO STA. 157+70.3 LEFT  
STA. 157+88.9 TO STA. 158+26.8 LEFT  
STA. 160+23.3 TO STA 160+78.4 LEFT



- EXISTING**
- (A) EXISTING HOT-MIX ASPHALT SURFACE, 3"
  - (B) EXISTING POZZOLANIC MATERIAL, 5"
  - (C) EXISTING AGGREGATE SUB-BASE, VARIES, 10"
  - (D) EXISTING COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
  - (E) EXISTING PORTLAND CEMENT CONCRETE (PCC) SIDEWALK, 5"
  - (F) EXISTING TOPSOIL (ASSUMED TO BE 6" IN DEPTH)
  - (G) EXISTING GROUND
  - (H) EXISTING AGGREGATE SHOULDER, 8"
  - (I) EXISTING BUILDING



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	PLOT DATE = 11/21/2018	DATE - 11/26/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

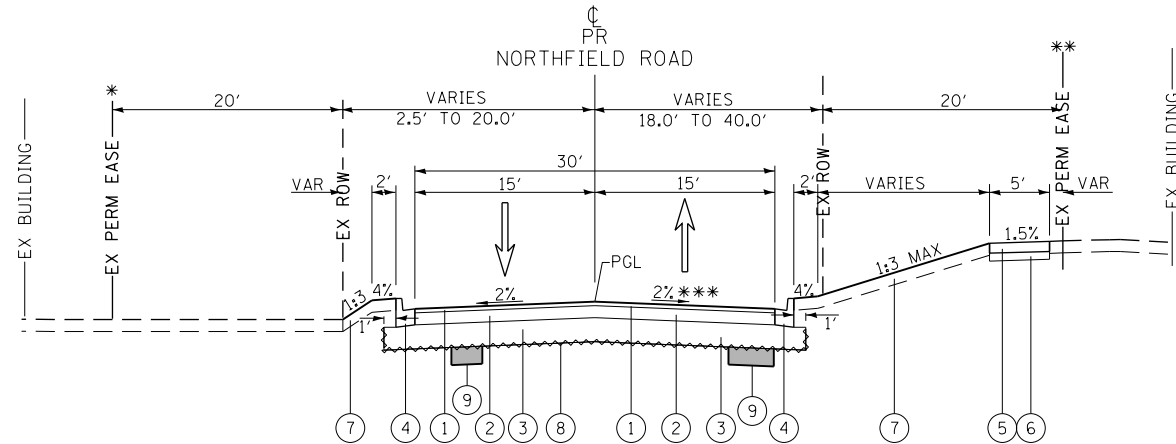
<b>NORTHFIELD ROAD WINNETKA ROAD TO WILLOW ROAD EXISTING TYPICAL SECTIONS</b>	
SCALE: NONE	SHEET 1 OF 2 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-R5	COOK	98	7
CONTRACT NO. 61F49			ILLINOIS FED. AID PROJECT	

\* EX PERMANENT EASEMENT (LEFT)  
STATION 148+81.28 TO STATION 153+90.53

\*\* EX PERMANENT EASEMENT (RIGHT)  
STATION 153+88.84 TO STATION 161+27.57  
STATION 163+02.57 TO STATION 168+90.57

\*\*\* VARIES 2% TO -2% FROM STATION 169+50.00 TO STATION 172+00.00 (SEE PLAN AND PROFILE SHEET NO. 17 FOR SLOPE AND CROSS SECTION SHEET NO'S. 93 THUR 95 FOR DETAILS).

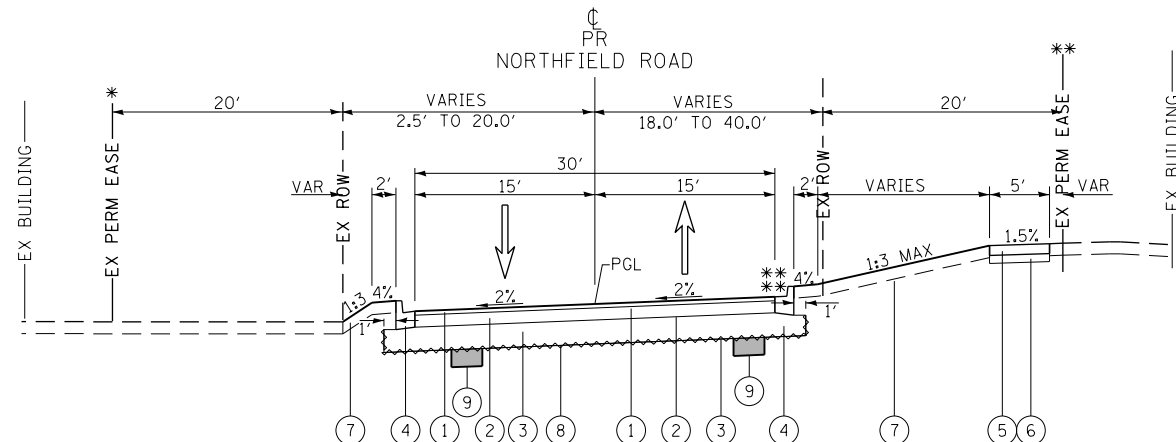


PROPOSED TYPICAL SECTION  
NORTHFIELD ROAD  
STATION 148+55.66 TO STATION 169+75.00  
STATION 172+00.00 TO STATION 173+24.88

ALSO SEE PLAN SHEETS AND CROSS SECTIONS

TRANSITION BEGINS AT STATION 169+75.00		
STATION	PAVEMENT SLOPE	
169+75.00	-2%	-2%
170+00.00	-2%	-1%
170+25.00	-2%	0%
170+50.00	-2%	1%
REMOVE CROWN AT STATION 170+75.00		
171+00.00	-2%	2%
171+30.00	-2%	0.8%
171+50.00	-2%	0%
END TRANSITION AT STATION 172+00.00		
172+00.00	-2%	-2%

NORTHFIELD ROAD  
STATION 169+75.00 TO STATION 172+00.00  
SUPER ELEVATION - REMOVE CROWN  
TABLE



PROPOSED TYPICAL SECTION  
NORTHFIELD ROAD  
STATION 169+75.00 TO STATION 172+00.00  
SUPER ELEVATION - REMOVE CROWN

\*\* GUTTER BACK-PITCHED AT 2%  
\*\* SLOPE TO MATCH PAVEMENT

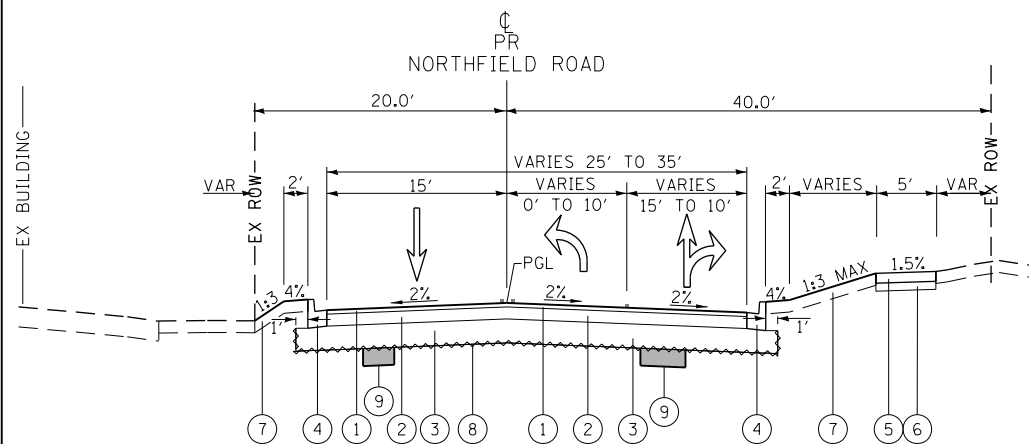
NOTES: 1) THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.  
2) THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

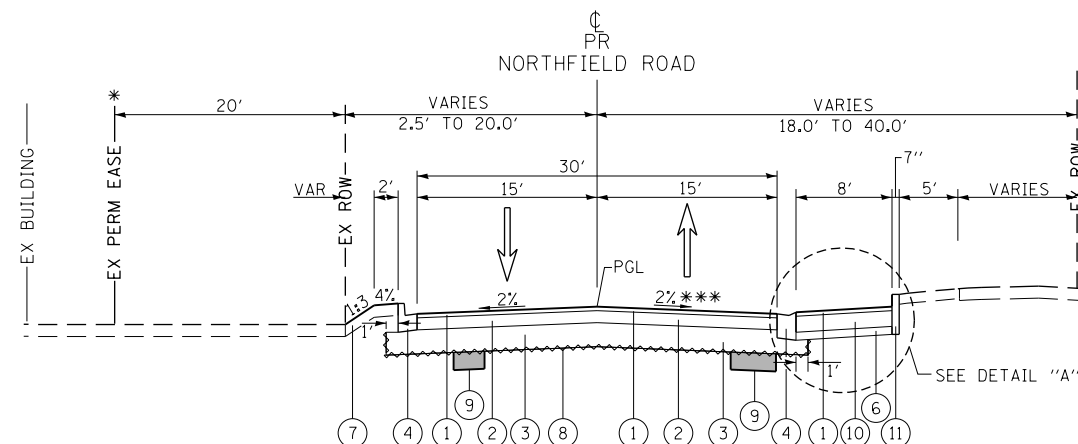
MIXTURE TYPE	AIR VOIDS @ Ndes
NORTHFIELD ROAD RECONSTRUCTION:	
HOT-MIX ASPHALT (HMA) SURFACE COURSE, MIX "D", N50 (IL-9.5 mm), 2"	4% @ 50 GYRATIONS
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 6"	4% @ 50 GYRATIONS
COMMERCIAL DRIVEWAYS & LOADING LANE:	
HMA SURFACE COURSE, MIX "D", N50 (IL 9.5 mm), 2"	4% @ 50 GYRATIONS
HMA BASE COURSE (HMA BINDER IL-19 mm), CE-8"	4% @ 50 GYRATIONS
SHOULDERS:	
HMA SHOULDER (HMA BINDER IL-19 mm), 8"	4% @ 50 GYRATIONS
TEMPORARY PATCHING (HMA OPTION):	
HMA BASE COURSE (HMA BINDER IL-19 mm), 8"	4% @ 70 GYRATIONS

NORTHFIELD ROAD

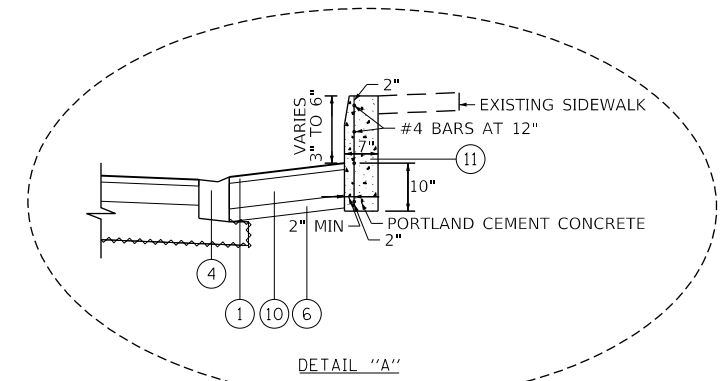
STRUCTURAL DESIGN TRAFFIC:	YEAR 2029
PV= 3,152	SU= 180 MU= 68
ROAD/STREET CLASSIFICATION:	CLASS II
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	P= 100% S= 100% M= 100%
TRAFFIC FACTOR:	ACTUAL TF= 0.47 AC TYPE= SBS/SBR MINIMUM TF= NONE PG 64-22
THICKNESS BINDER= 6.00"	SURFACE= 2.00"
PCC BASE COURSE THICKNESS= N/A	
SUBGRADE SUPPORT RATING:	SSR= POOR



PROPOSED TYPICAL SECTION  
NORTHFIELD ROAD  
STATION 173+24.88 TO STATION 175+07.20



PROPOSED TYPICAL SECTION  
NORTHFIELD ROAD  
STATION 169+36.24 TO STATION 170+57.70



DETAIL "A"

PLAN	DATE
SURVEYED	BY
PLOTTED	DATE
CHECKED	DATE
APPROVED	DATE
FILE NAME	

PROFILE	DATE
SURVEYED	BY
GRADES CHECKED	DATE
STRUCTURE NOTATIONS CHECKED	DATE
FILE NAME	

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SCHAMBURG, ILLINOIS 60173  
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	PLOT DATE = 1/14/2019	DATE - 11/26/2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

NORTHFIELD ROAD WINNETKA ROAD TO WILLOW ROAD PROPOSED TYPICAL SECTIONS	
SCALE: NONE	SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-R5	COOK	98	8
				CONTRACT NO. 61F49
ILLINOIS FED. AID PROJECT				

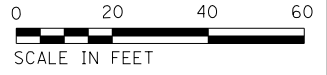
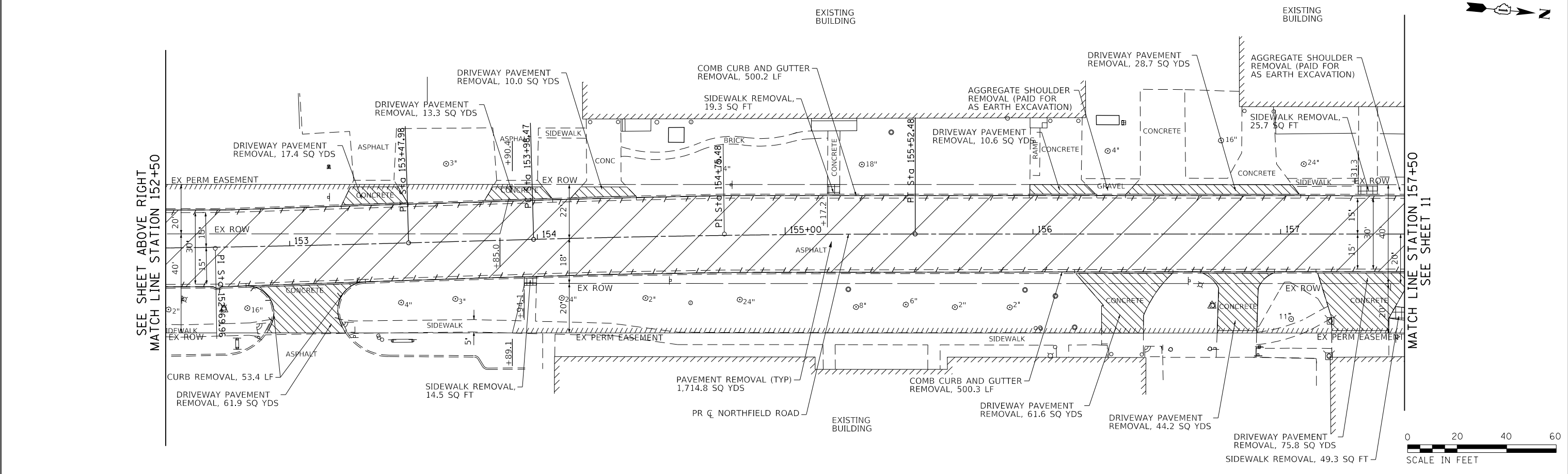
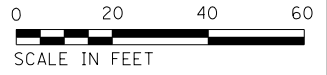
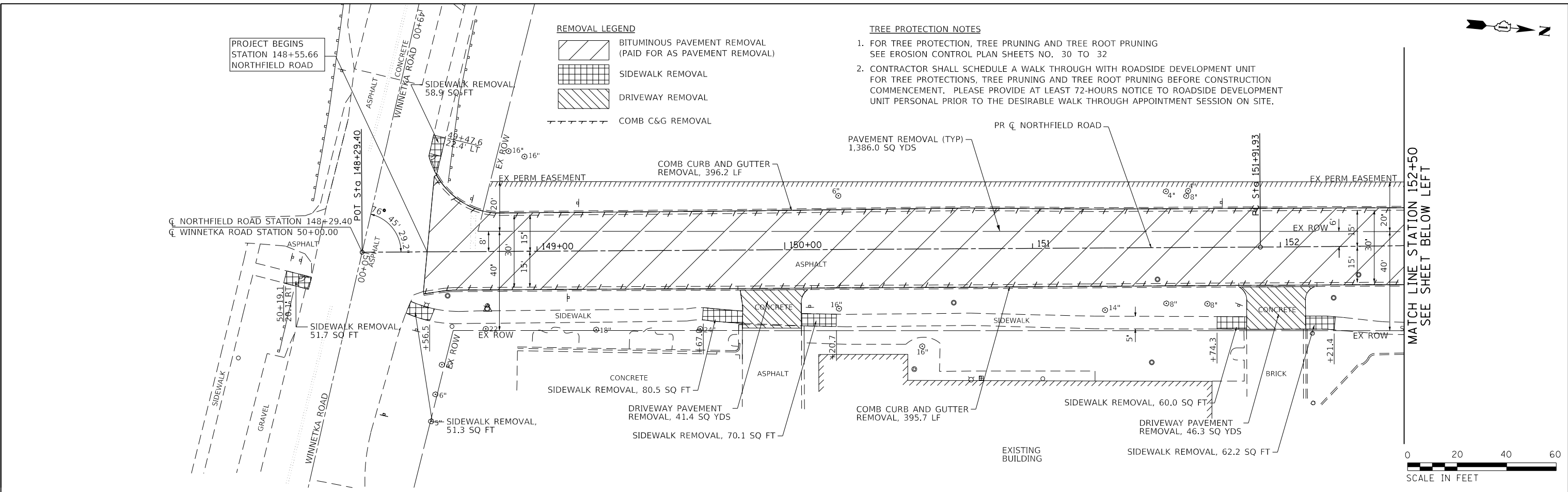




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PROFILE	SURVEYED	BY	DATE
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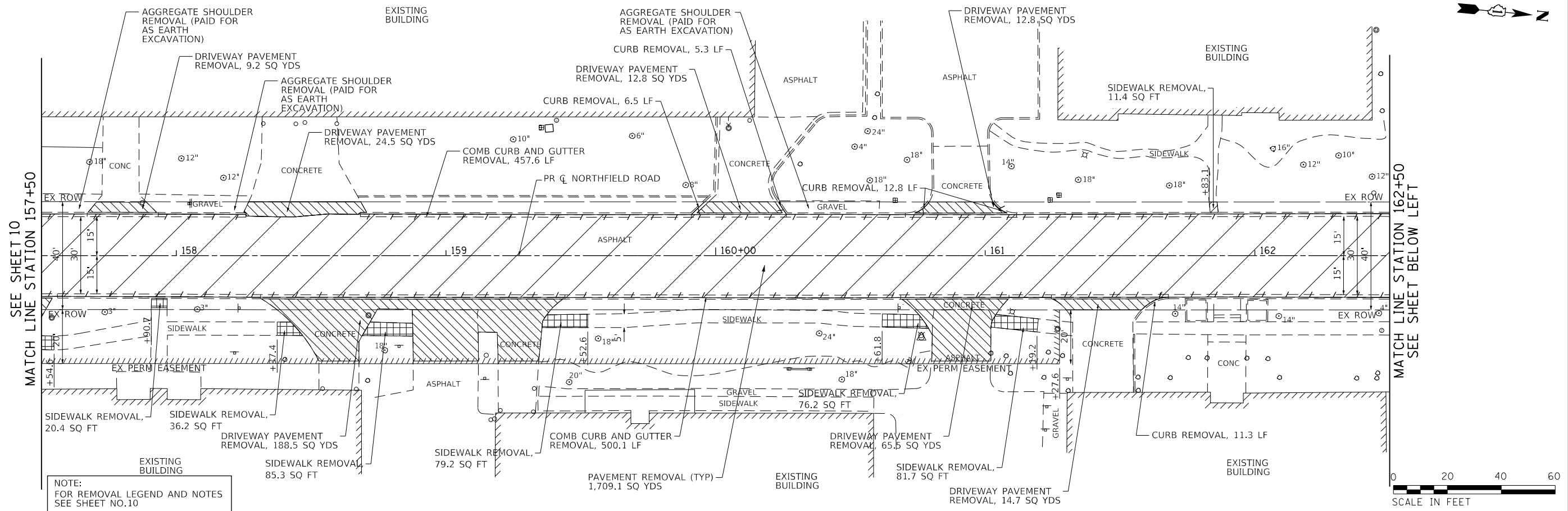


FILE NAME = Invalid expression	USER NAME = Mibeering	DESIGNED - CEC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>NORTHFIELD ROAD WINNETKA ROAD TO WILLOW ROAD REMOVAL PLANS</b>			F.A.U. RTE. 1039	SECTION 16-00053-00-R5	COUNTY COOK	TOTAL SHEETS 98	SHEET NO. 10
Default	PLOT SCALE = 50 SCALE	CHECKED - DWB	REVISED -		SCALE: 1"=20'	SHEET 1 OF 3 SHEETS	STA. 148+55.66 TO STA. 157+50.00	CONTRACT NO. 61F49				
	PLOT DATE = 11/26/2018	DATE - 11/26/2018	REVISED -		ILLINOIS FED. AID PROJECT							

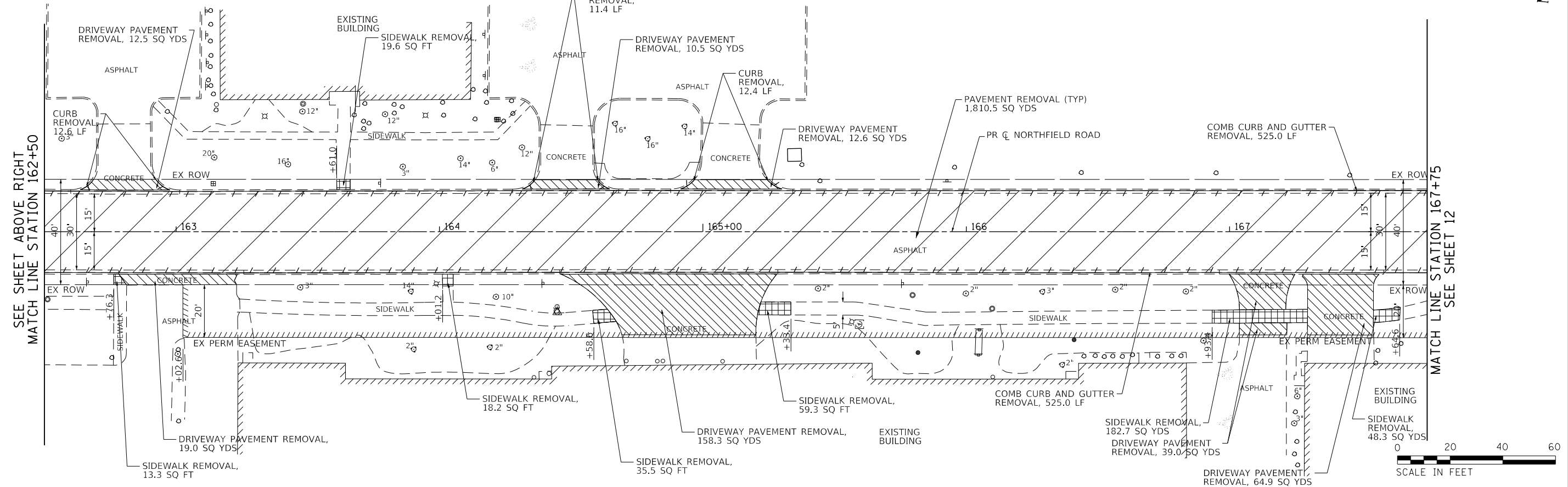
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	PLOTTED		
	CHECKED		
	ALIGNED		
	CAD FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	STRUCTURE		
	NOT AT THIS OFFICE		
	NO.		

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NOTE:  
 FOR REMOVAL LEGEND AND NOTES  
 SEE SHEET NO.10



FILE NAME =	USER NAME = Mibeering	DESIGNED - CEC	REVISED -
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Default	PLOT SCALE = 50 SCALE	CHECKED - DWB	REVISED -
	PLOT DATE = 11/26/2018	DATE - 11/26/2018	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**NORTHFIELD ROAD  
 WINNETKA ROAD TO WILLOW ROAD  
 REMOVAL PLANS**

SCALE: 1"=20' SHEET 2 OF 3 SHEETS STA. 157+50.00 TO STA. 167+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-R5	COOK	98	11
				CONTRACT NO. 61F49
ILLINOIS FED. AID PROJECT				

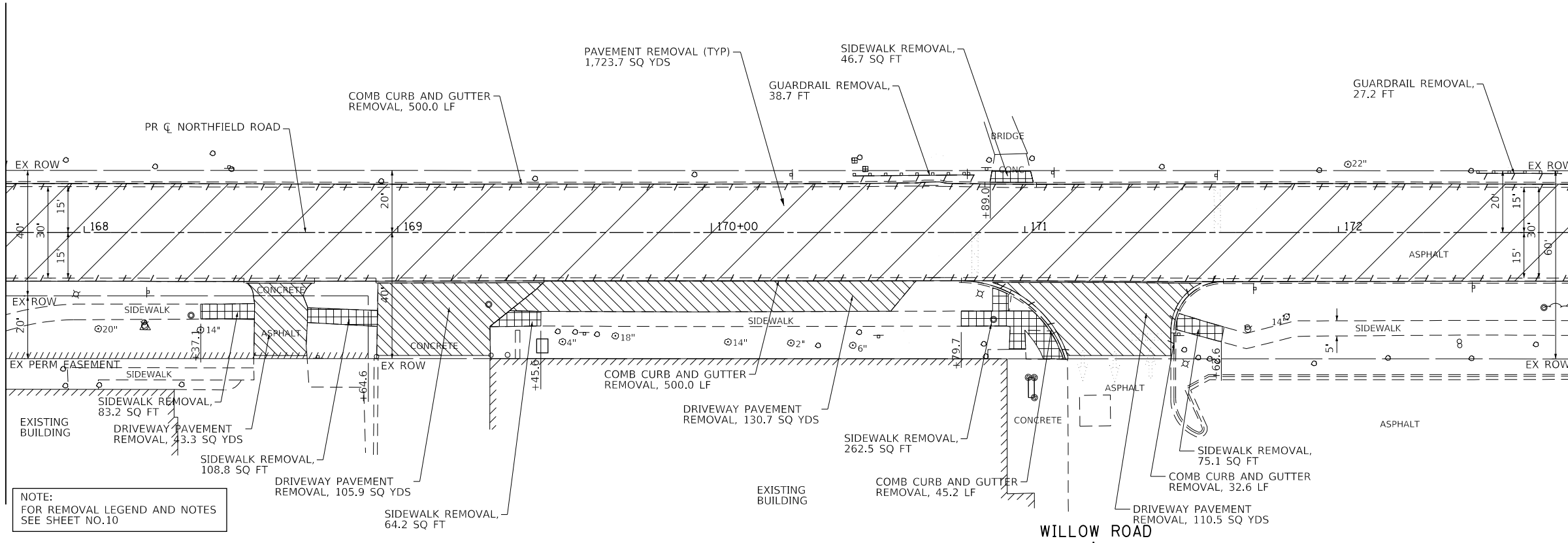
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PROFILE	SURVEYED	BY	DATE
	PLOTTED		
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	STRUCTURE		
	NOTATIONS		
	CHKD		
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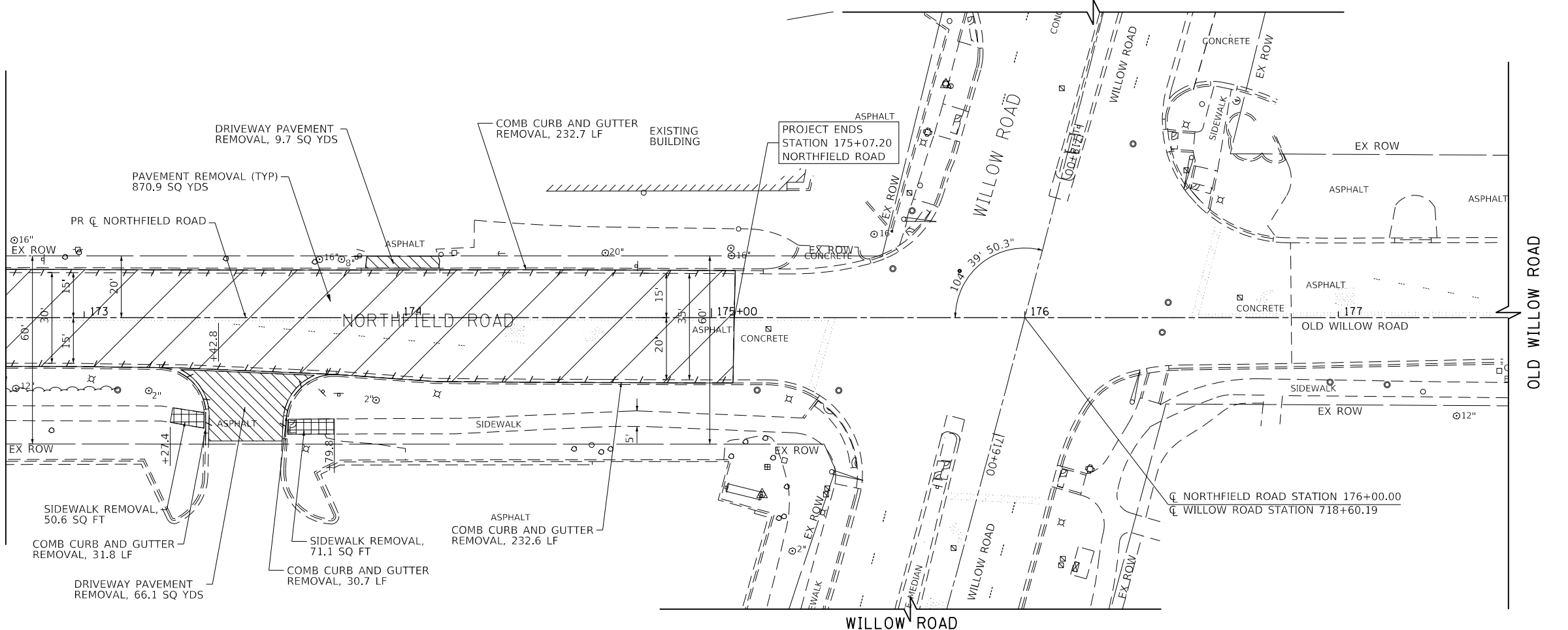
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SEE SHEET 11  
 MATCH LINE STATION 167+75

SEE SHEET ABOVE RIGHT  
 MATCH LINE STATION 172+75



MATCH LINE STATION 172+75  
 SEE SHEET BELOW LEFT



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Invalid expression'		DRAWN - MLB	REVISED -
Default	PLOT SCALE = 50 SCALE	CHECKED - DWB	REVISED -
	PLOT DATE = 11/26/2018	DATE - 11/26/2018	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

NORTHFIELD ROAD  
 WINNETKA ROAD TO WILLOW ROAD  
 REMOVAL PLANS  
 SCALE: 1"=20'  
 SHEET 3 OF 3 SHEETS  
 STA. 167+75.00 TO STA. 175+07.20

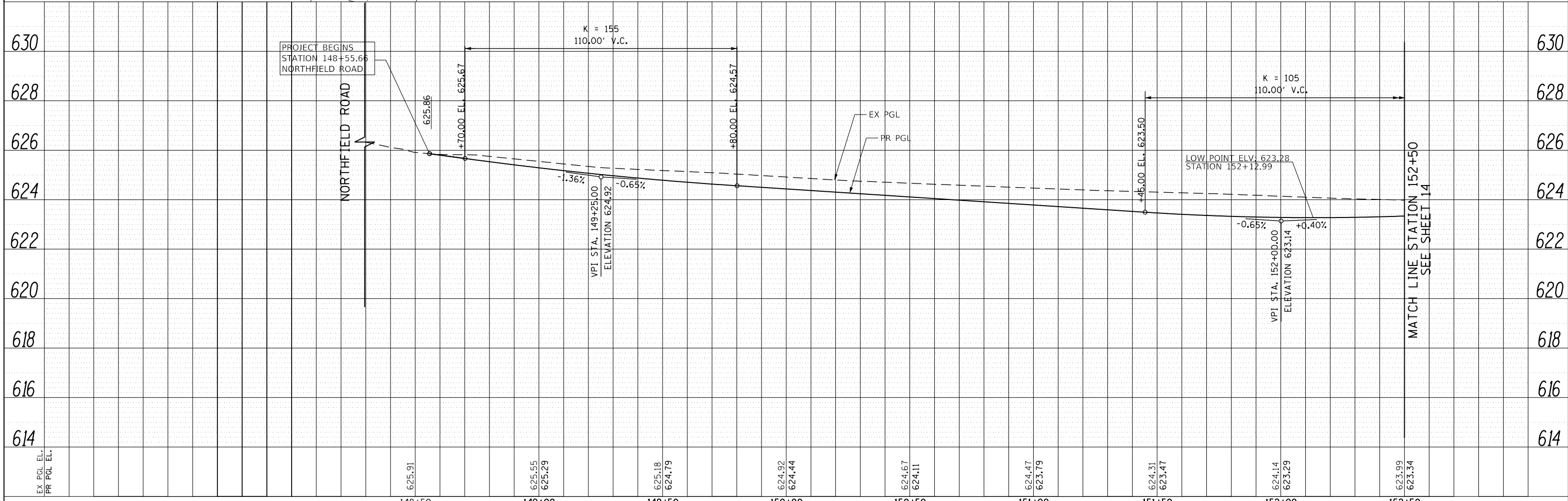
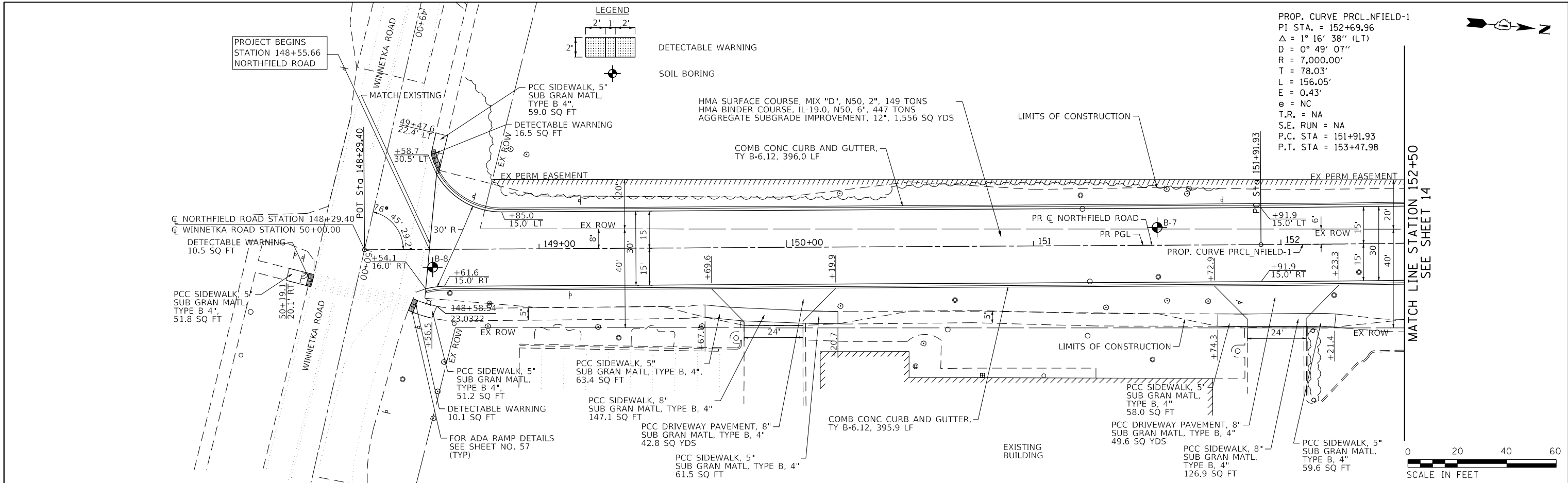
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-R5	COOK	98	12
				CONTRACT NO. 61F49
ILLINOIS FED. AID PROJECT				



PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS OK'D		
	NO.		

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EX PGL EL.	PR PGL EL.	625.91	625.55	625.29	624.92	624.79	624.44	624.44	624.67	624.11	624.47	623.79	624.31	623.47	624.14	623.29	623.99	623.34	614	616	618	620	622	624	626	628	630
		148+50	149+00	149+50	150+00	150+50	151+00	151+50	152+00	152+50																	

PROP. CURVE PRCL\_NFIELD-1  
 PI STA. = 152+69.96  
 $\Delta = 1^\circ 16' 38''$  (LT)  
 $D = 0^\circ 49' 07''$   
 $R = 7,000.00'$   
 $T = 78.03'$   
 $L = 156.05'$   
 $E = 0.43'$   
 $e = NC$   
 $T.R. = NA$   
 $S.E. RUN = NA$   
 $P.C. STA = 151+91.93$   
 $P.T. STA = 153+47.98$

PR CARRIAGE WALK, NO DEPRESSED CURB AND DETECTABLE WARNINGS ARE REQUIRED

PROP. CURVE PRCL\_NFIELD-2  
 PI STA. = 154+75.48  
 $\Delta = 1^\circ 36' 16''$  (RT)  
 $D = 1^\circ 02' 30''$   
 $R = 5,500.00'$   
 $T = 77.01'$   
 $L = 154.01'$   
 $E = 0.54'$   
 $e = NC$   
 $T.R. = NA$   
 $S.E. RUN = NA$   
 $P.C. STA = 153+98.47$   
 $P.T. STA = 155+52.48$

NOTE:  
 FOR PLAN AND PROFILE  
 LEGEND SEE SHEET NO. 13

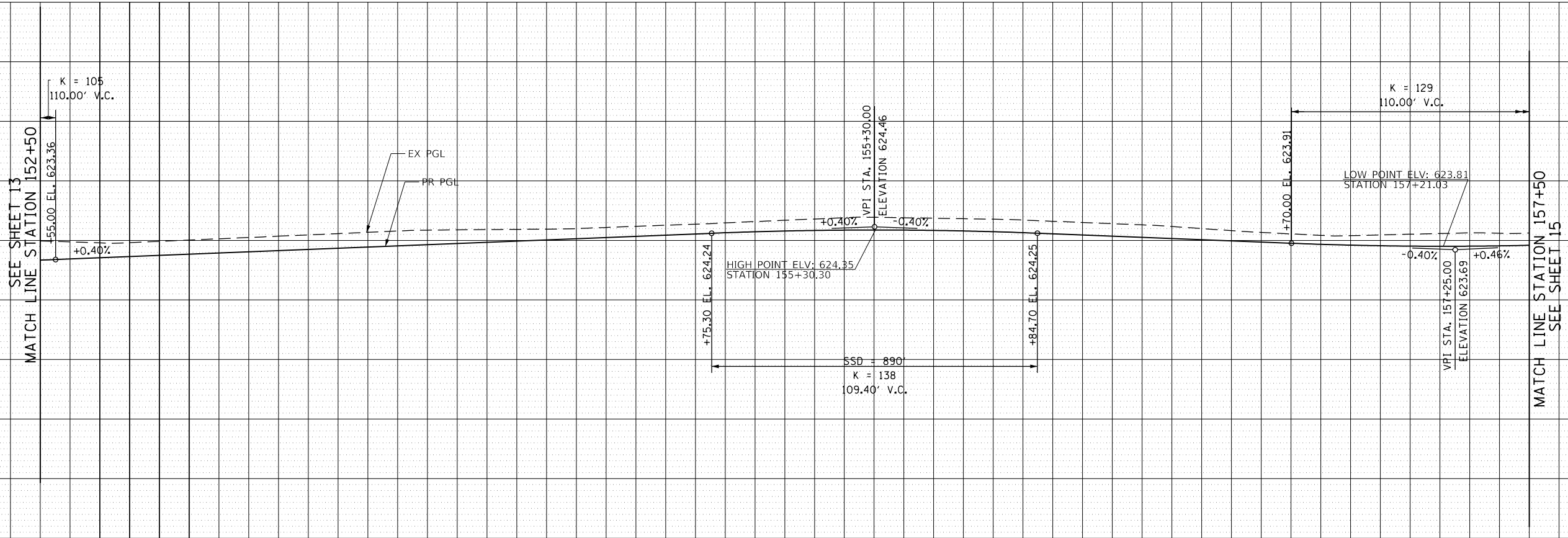
SEE SHEET 13  
 MATCH LINE STATION 152+50

MATCH LINE STATION 157+50  
 SEE SHEET 15

SEE SHEET 13  
 MATCH LINE STATION 152+50

MATCH LINE STATION 157+50  
 SEE SHEET 15

EX PCL EL.	623.99	624.02	624.23	624.37	624.48	624.68	624.75	624.60	624.33	624.19	624.25
PR PCL EL.	623.34	623.54	623.74	623.94	624.14	624.32	624.34	624.18	623.99	623.82	623.84
	152+50	153+00	153+50	154+00	154+50	155+00	155+50	156+00	156+50	157+00	157+50



PLAN	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	NO. _____	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	CHECKED	
	NO. _____	

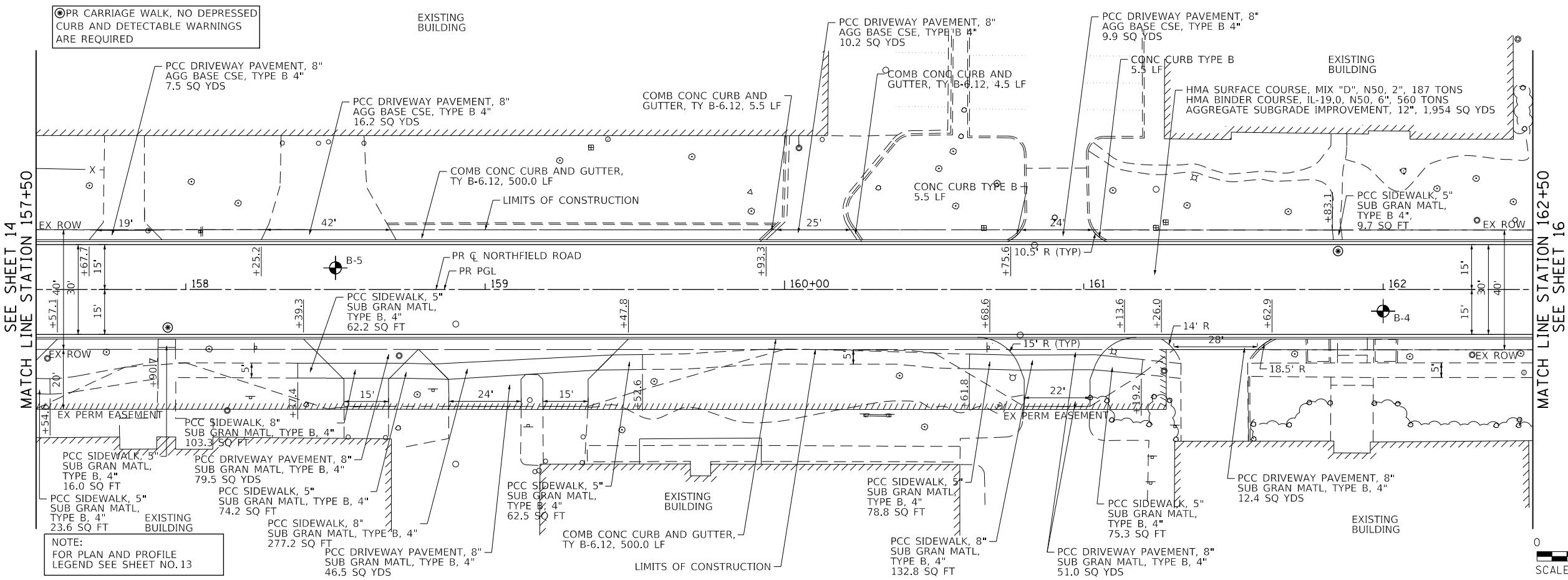
**TranSystems**  
 1475 EAST WOODFIELD ROAD, SUITE 600  
 SCHAMBURG, ILLINOIS 60173  
 (847) 605-9600

FILE NAME =	USER NAME = Mibeering	DESIGNED - CEC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>NORTHFIELD ROAD WINNETKA ROAD TO WILLOW ROAD PLAN AND PROFILE</b>		F.A.U. RTE. 1039	SECTION 16-00053-00-R5	COUNTY COOK	TOTAL SHEETS 98	SHEET NO. 14	
Invalid expression	PLOT SCALE = 50 SCALE	CHECKED - DWB	REVISED -		SCALE: 1"=20'	SHEET 2 OF 6 SHEETS	STA. 152+50.00 TO STA. 157+50.00	CONTRACT NO. 61F49		ILLINOIS FED. AID PROJECT		
Default	PLOT DATE = 11/21/2018	DATE = 11/26/2018	REVISED -									

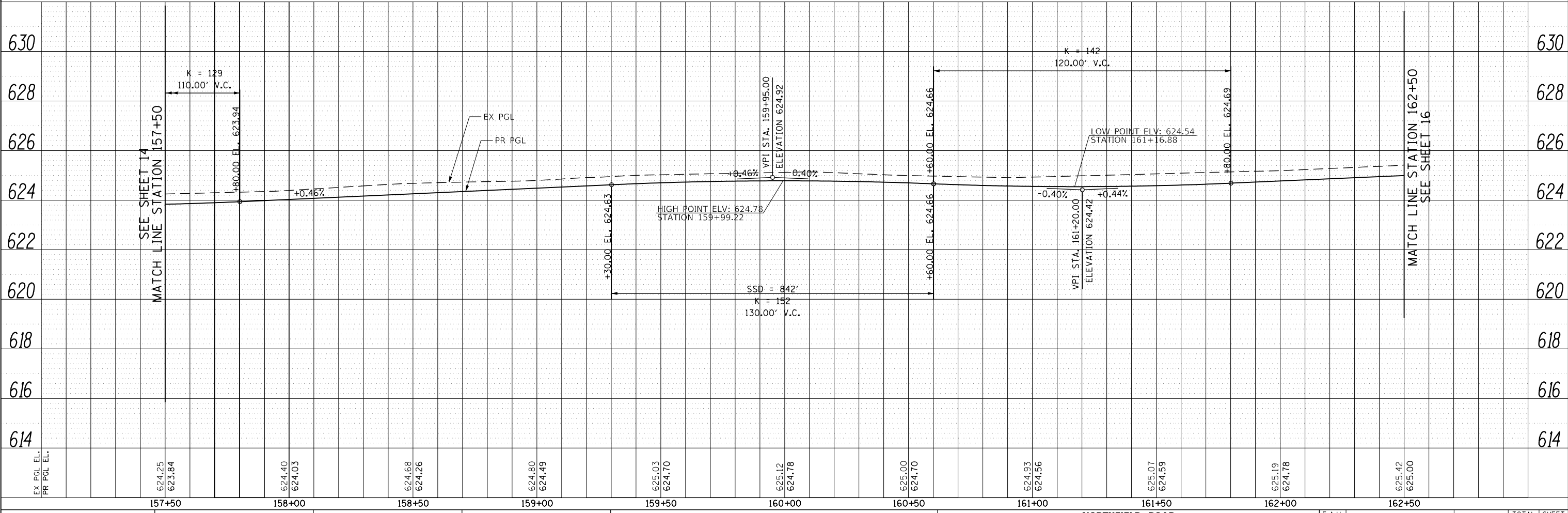
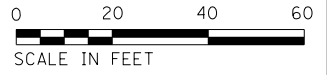
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	CHECKED		
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	FILED		
	CAD FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	GRADES		
	STRUCTURE		
	NOTATIONS		
	CHFD		
	NO.		

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NOTE:  
 FOR PLAN AND PROFILE  
 LEGEND SEE SHEET NO.13



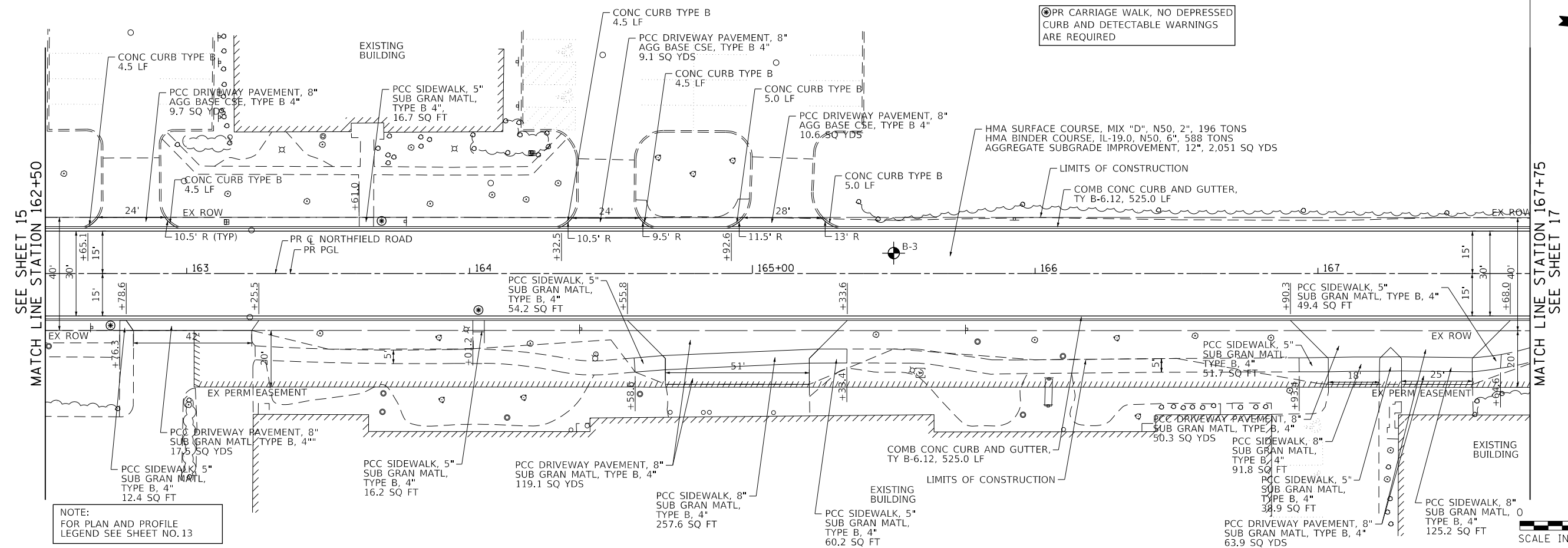
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Invalid expression		DRAWN - MLB	REVISED -			1039	16-00053-00-R5	COOK	98	15	
Default	PLOT SCALE = 50 SCALE	CHECKED - DWB	REVISED -			CONTRACT NO. 61F49					
	PLOT DATE = 11/21/2018	DATE - 11/26/2018	REVISED -			ILLINOIS FED. AID PROJECT					

SCALE: 1"=20' SHEET 3 OF 6 SHEETS STA. 157+50.00 TO STA. 162+50.00

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	APPROVED		
	CADD FILE NAME		
	NO.		

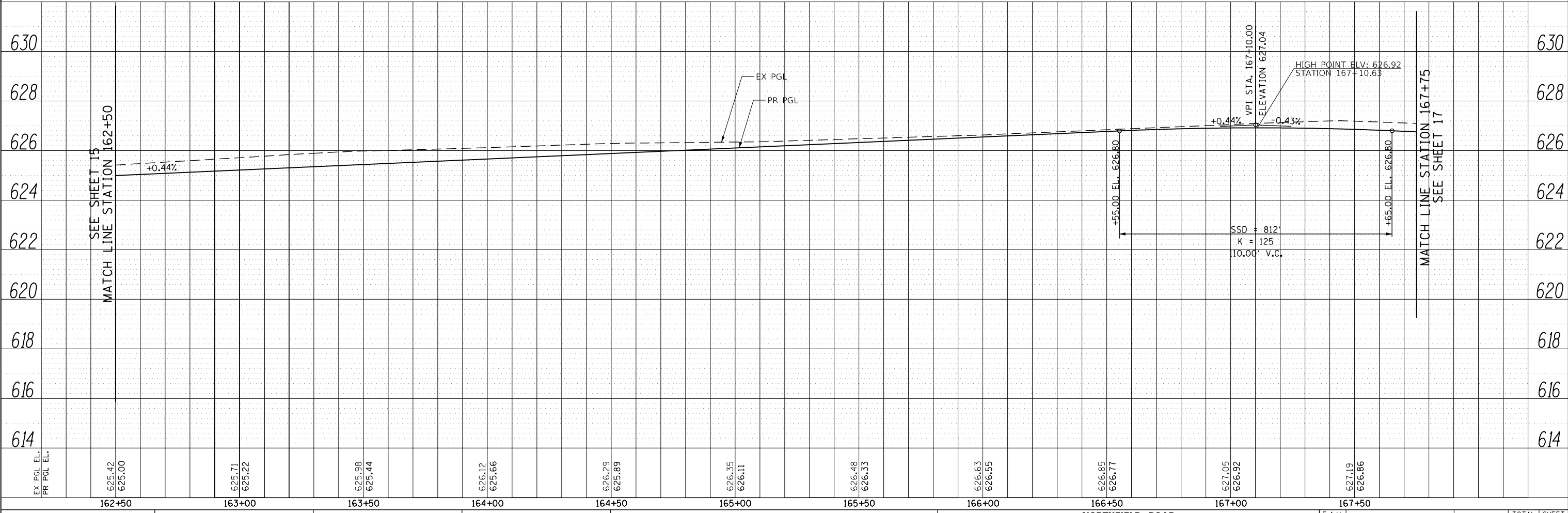
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHKD		
	NO.		

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NOTE:  
 FOR PLAN AND PROFILE  
 LEGEND SEE SHEET NO. 13

PR CARRIAGE WALK, NO DEPRESSED  
 CURB AND DETECTABLE WARNINGS  
 ARE REQUIRED



FILE NAME =	USER NAME = Mibeering	DESIGNED - CEC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>NORTHFIELD ROAD WINNETKA ROAD TO WILLOW ROAD PLAN AND PROFILE</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Invalid expression		DRAWN - MLB	REVISED -		1039	16-00053-00-R5	COOK	98	16		
Default	PLOT SCALE = 50 SCALE	CHECKED - DWB	REVISED -		CONTRACT NO. 61F49						
	PLOT DATE = 11/21/2018	DATE - 11/26/2018	REVISED -		ILLINOIS FED. AID PROJECT						

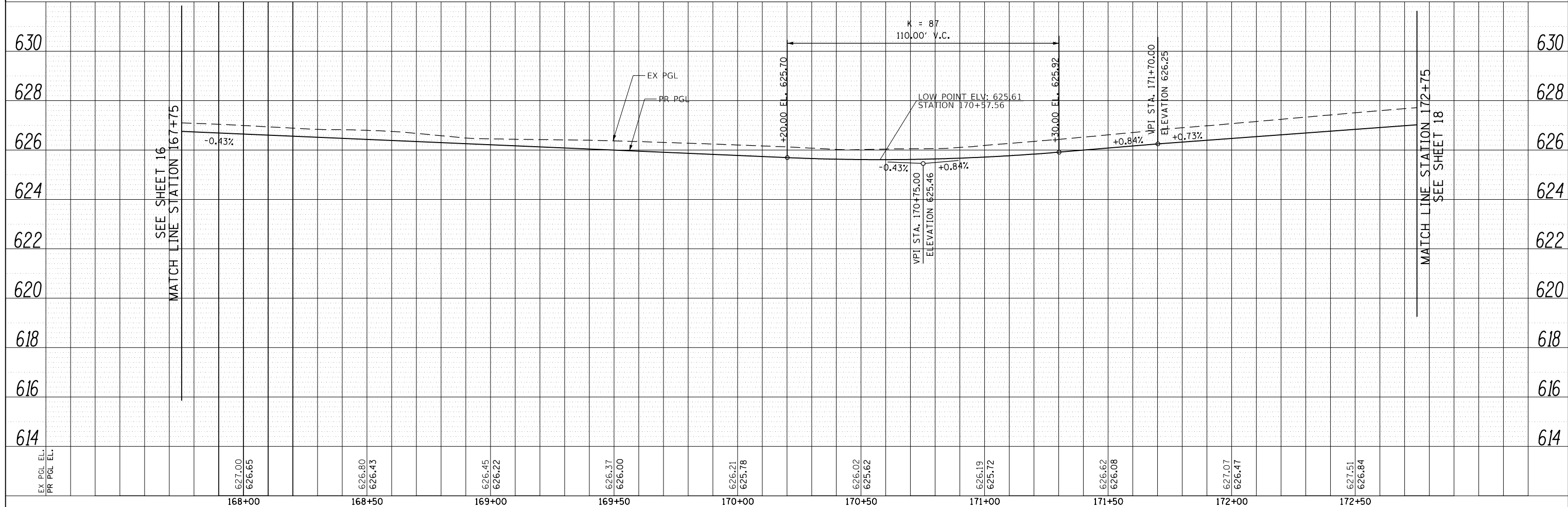
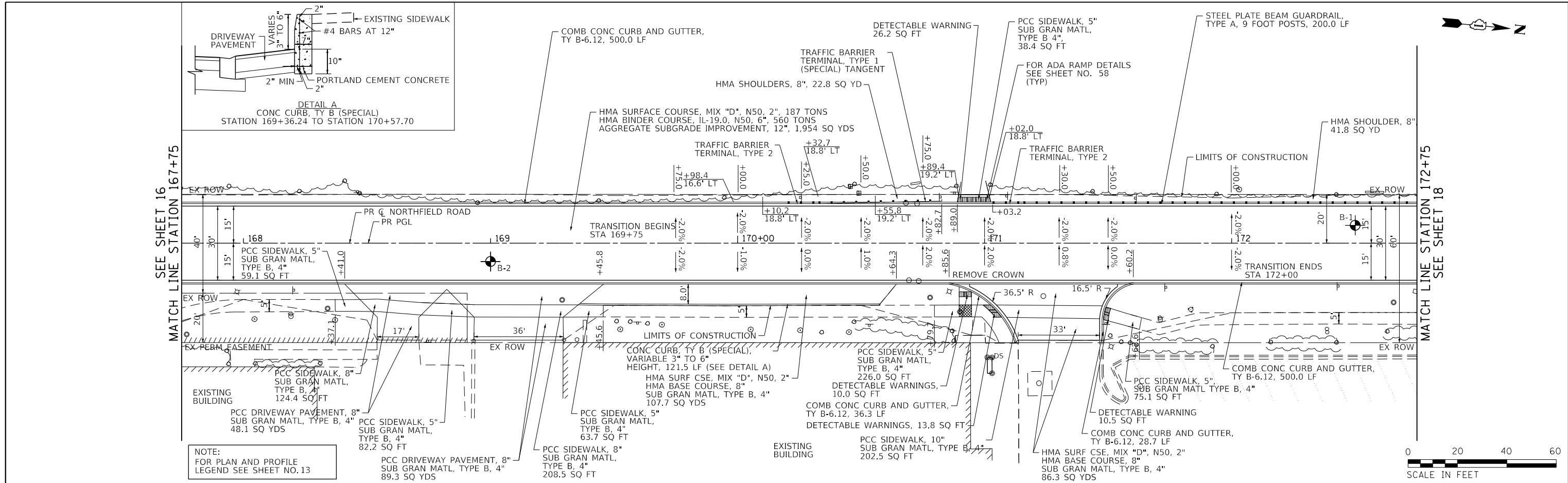
SCALE: 1"=20' SHEET 4 OF 6 SHEETS STA. 162+50.00 TO STA. 167+75.00



PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	FILED		
	CAD FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	GRADES		
	STRUCTURE		
	NOTATIONS		
	CHFD		
	NO.		

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FILE NAME =	USER NAME = ttpelarinos	DESIGNED - CEC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>NORTHFIELD ROAD WINNETKA ROAD TO WILLOW ROAD PLAN AND PROFILE</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Invalid expression		DRAWN - MLB	REVISED -		1039	16-00053-00-R5	COOK	98	17			
Default	PLOT SCALE = 50 SCALE	CHECKED - DWB	REVISED -		SCALE: 1"=20'			SHEET 5 OF 6 SHEETS		STA. 167+75.00 TO STA. 172+75.00		CONTRACT NO. 61F49
	PLOT DATE = 1/14/2019	DATE - 11/26/2018	REVISED -		ILLINOIS FED. AID PROJECT							

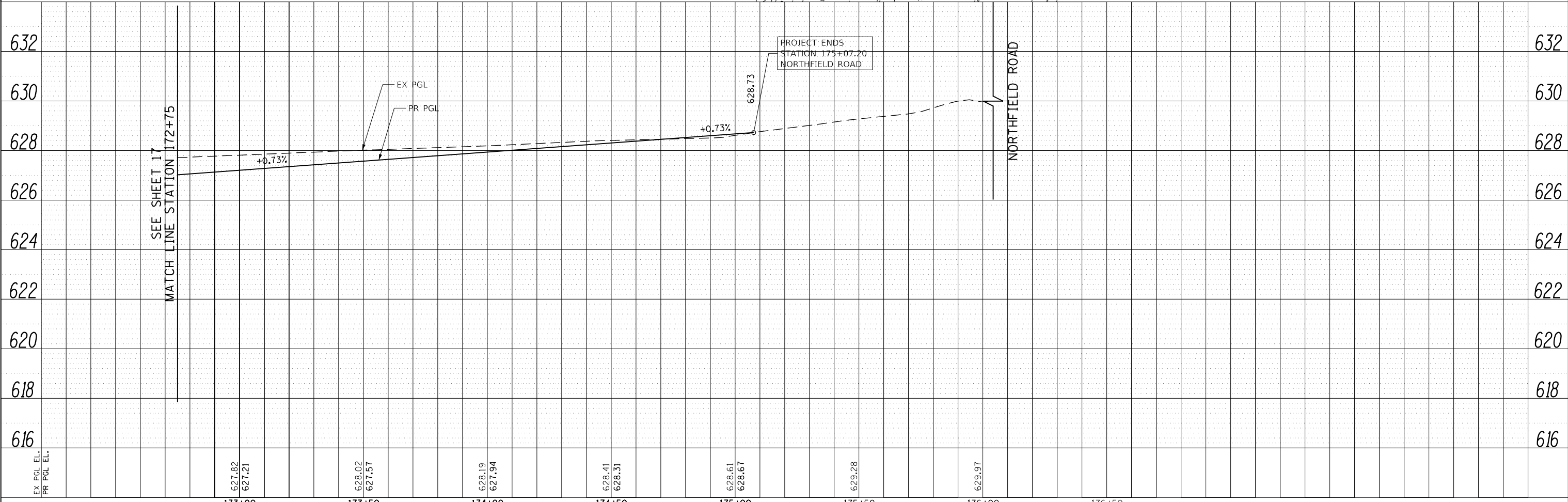
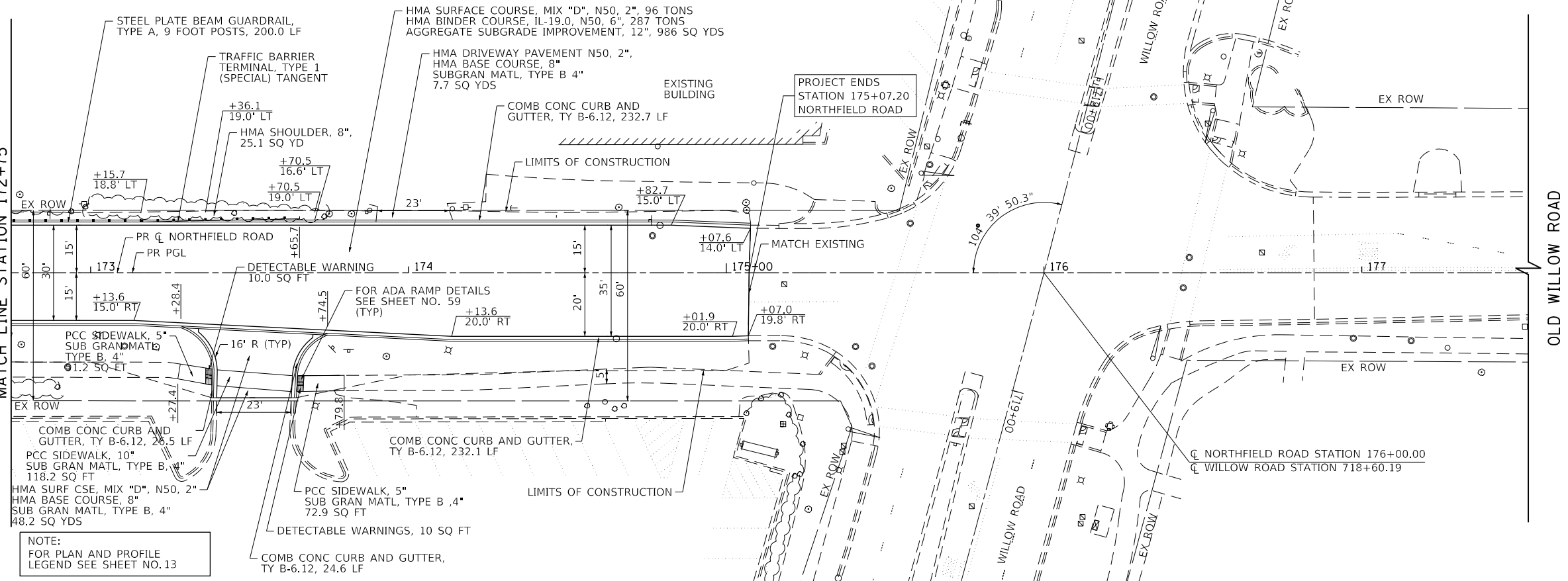
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	CHECKED		
	ALIGNED		
	CADD FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE		
	NOTATIONS CHKD		
	NO.		

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SEE SHEET 17  
 MATCH LINE STATION 172+75

SEE SHEET 17  
 MATCH LINE STATION 172+75



FILE NAME =	USER NAME = Mibeering	DESIGNED - CEC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>NORTHFIELD ROAD WINNETKA ROAD TO WILLOW ROAD PLAN AND PROFILE</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Invalid expression		DRAWN - MLB	REVISED -			1039	16-00053-00-R5	COOK	98	18	
Default	PLOT SCALE = 50 SCALE	CHECKED - DWB	REVISED -			CONTRACT NO. 61F49					
	PLOT DATE = 11/21/2018	DATE - 11/26/2018	REVISED -			ILLINOIS FED. AID PROJECT					

SCALE: 1"=20' SHEET 6 OF 6 SHEETS STA. 172+75.00 TO STA. 175+07.20

PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE	
	NOT AT THIS OFFICE	
	CHECKED	
	FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE	
	NOT AT THIS OFFICE	
	CHECKED	
	FILE NAME	

MOT GENERAL NOTES

1. THE CONTRACTOR SHALL PLACE FOUR CHANGEABLE MESSAGE SIGNS, TWO AT EACH END OF THE PROJECT, OR AS DIRECTED BY THE ENGINEER TO INFORM MOTORISTS OF UPCOMING CONSTRUCTION ACTIVITIES. THE MESSAGE SIGNS WITH THE APPROPRIATE INFORMATION SHALL BE PLACED TWO WEEKS BEFORE THE START OF CONSTRUCTION ACTIVITY AND BE MAINTAINED FOR A DURATION AS DIRECTED BY THE ENGINEER. THIS WORK IS TO BE PAID FOR AS CHANGEABLE MESSAGE SIGN AT THE CONTRACT UNIT PRICE PER CALENDAR MONTH.

PRE-STAGE

1. INSTALL NORTHFIELD ROAD DETOUR ROUTE AS SHOWN ON THE DETOUR PLAN (SEE SHEET NO.27 THRU 29)
2. DE-ENERGIZE AND BAG THE YELLOW AND GREEN LEFT TURN ARROW SECTION HEADS FOR THE NORTHBOUND, SOUTHBOUND AND WESTBOUND APPROACH (MAST ARM FAR MOUNT, AND POST-MOUNTED FAR-LEFT) AT THE NORTHFIELD ROAD AND WILLOW ROAD SIGNAL.
3. MOUNT R5-1 (DO NOT ENTER) SIGNS (2) ON THE MAST ARM AND POLE IN THE SOUTHEAST CORNER (FACING SB TRAFFIC)
4. MOUNT R3-2 (NO LEFT) SIGNS (2) ON THE MAST ARMS FACING WESTBOUND TRAFFIC AND FAR LEFT SIGNAL POST (SW CORNER)
5. MOUNT R3-2 (NO RIGHT) SIGNS (2) ON THE MAST ARMS FACING EASTBOUND TRAFFIC AND NEAR RIGHT SIGNAL POST (SW CORNER)
6. INSTALL VIDEO DETECTION FOR STOP BAR DETECTION AT NORTHBOUND APPROACH ON MAST ARM POLE IN NORTHEAST CORNER, AND ANY OTHER TRAFFIC LANE THAT IS BEING RELOCATED AT THIS INTERSECTIONS DURING CONSTRUCTION. MODIFY EXISTING SIGNAL CABINETS AS NEEDED (CABLING, VIDEO DETECTOR CARD, CONTROLLER PROGRAM, ECT.).
7. DISCONNECT / DISABLE DETECTOR LOOPS AT NORTHBOUND APPROACH AND WESTBOUND LEFT TURN LANE IN THE CABINET.
8. IMPLEMENT NEW SIGNAL TIMING TO USE NORTHBOUND AND SOUTHBOUND SPLIT PHASING. RE-OPTIMIZE INTERCONNECT (SIGNAL SYSEMS) TIMING.
9. SIGNAL HEADS SHOULD BE VISIBLE A MIN OF 300 FEET FROM STOP BAR FOR STOPPING SIGHT DISTANCE (OR USE MUTCD FIG 4D-2) AND BE WITHIN THE 40 DEGREE CONE OF VISION PER MUTCD FIG 4D-4.

STAGE 1

1. MAINTAIN ONE-WAY NORTHBOUND TRAFFIC FLOW ON THE WEST HALF OF NORTHFIELD ROAD.
2. WITH DETOUR IN PLACE BEGIN FULL CONSTRUCTION OF THE EAST HALF OF NORTHFIELD ROAD (NORTH OF WINNETKA ROAD). MAINTAIN TRAFFIC DETOUR ESTABLISHED AS NOTED.
3. CONSTRUCT THE STORM SEWER SYSTEM. UTILIZE DAY TIME CLOSURES TO INSTALL SEWERS AND CLASS D PATCHING WHERE NEEDED.
4. CONSTRUCT THE NORTHFIELD ROAD NORTHBOUND LANE CURB AND GUTTER, BITUMINOUS PAVEMENT, LANDSCAPING, SIDEWALK, DRIVEWAYS, AND STORM SEWER NORTH OF WINNETKA ROAD AS SHOWN ON THE STAGE 1 PLANS AND TYPICAL SECTIONS (SEE SHEET 20 , 21 THRU 23 )
5. COMPLETE THE LANDSCAPING ALONG THE EAST SIDE OF NORTHFIELD ROAD. (SEE SHEETS NO. 50 THRU 52 ).
6. DRIVEWAYS ARE TO REMAIN OPEN THROUGHOUT CONSTRUCTION UNLESS OTHERWISE SHOWN ON THE PLANS. PCC DRIVEWAYS SHALL BE CONSTRUCTED ONE LANE AT A TIME. HMA DRIVEWAYS SHALL BE CONSTRUCTED ONE HALF AT A TIME WHILE UTILIZING TEMPORARY ACCESS FOR TRAFFIC.

STAGE 2

1. MAINTAIN DETOUR FOR SOUTHBOUND NORTHFIELD ROAD.
2. SHIFT TRAFFIC ON THE WEST HALF OF NORTHFIELD ROAD TO THE EAST SIDE AS PER THE STAGE 2 TRAFFIC CONTROL PLANS AND TYPICAL SECTIONS (SEE SHEETS NO. 20, 24 THRU 26 ).
4. CONSTRUCT THE LATERALS FOR THE STORM SEWER SYSTEM. UTILIZE DAY TIME CLOSURES TO INSTALL SEWERS AND CLASS D PATCHING WHERE NEEDED.
5. CONSTRUCT THE NORTHFIELD ROAD SOUTHBOUND LANE CURB AND GUTTER, BITUMINOUS PAVEMENT, LANDSCAPING, SIDEWALK, DRIVEWAYS, AND STORM SEWER NORTH OF WINNETKA ROAD AS SHOWN ON THE STAGE 2 PLANS AND TYPICAL SECTIONS. (SEE SHEETS 20 , 24 THRU 26 ).
6. COMPLETE THE LANDSCAPING ALONG THE WEST SIDE OF NORTHFIELD ROAD. (SEE SHEETS NO. 50 THRU 52 ).
7. DRIVEWAYS ARE TO REMAIN OPEN THROUGHOUT CONSTRUCTION UNLESS OTHERWISE SHOWN ON THE PLANS. PCC DRIVEWAYS SHALL BE CONSTRUCTED ONE LANE AT A TIME. HMA DRIVEWAYS SHALL BE CONSTRUCTED ONE HALF AT A TIME WHILE UTILIZING TEMPORARY ACCESS FOR TRAFFIC.



1475 EAST WOODFIELD ROAD, SUITE 600  
 SCHAMBURG, ILLINOIS 60173  
 (847) 605-9600

FILE NAME =	USER NAME = ttpelarinos	DESIGNED - CEC	REVISED -
Invalid expression'		DRAWN - MLB	REVISED -
Default		CHECKED - DWB	REVISED -
	PLOT DATE = 1/3/2019	DATE - 11/26/2018	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

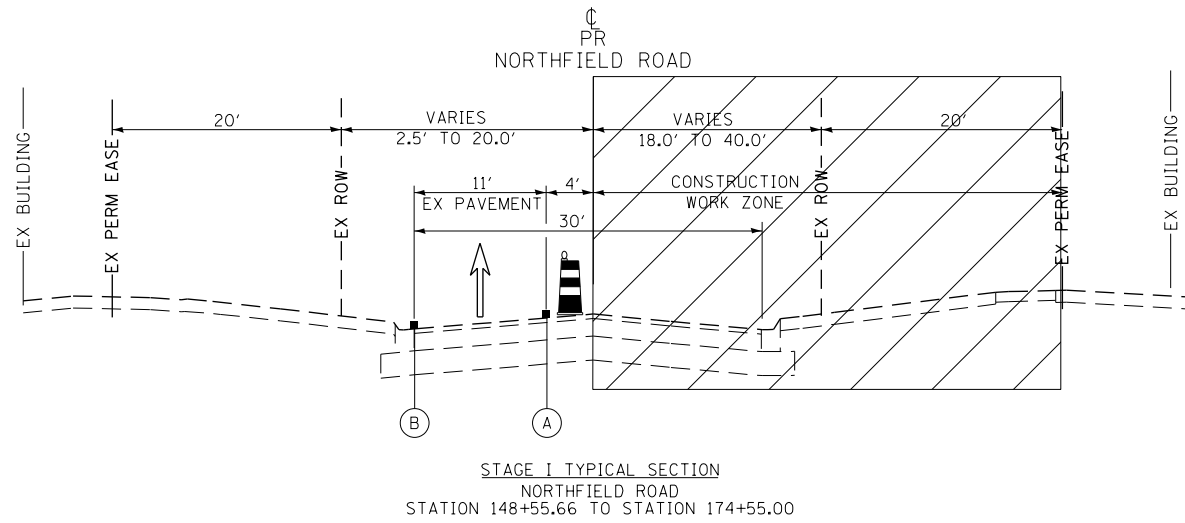
NORTHFIELD ROAD  
 WINNETKA ROAD TO WILLOW ROAD  
 SUGGESTED CONSTRUCTION STAGING - GENERAL NOTES

SCALE: NONE SHEET 1 OF 8 SHEETS STA. TO STA.

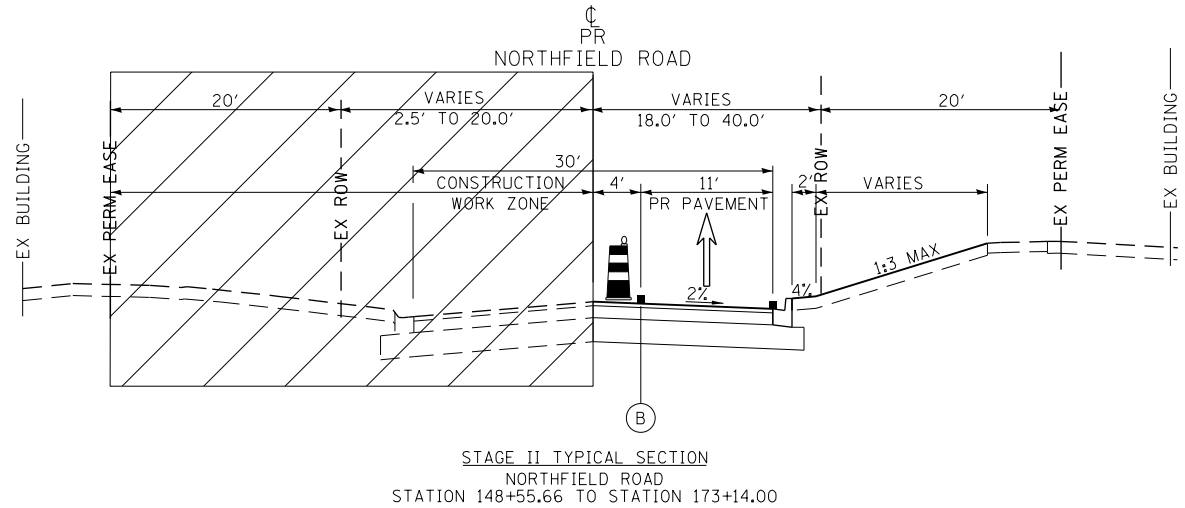
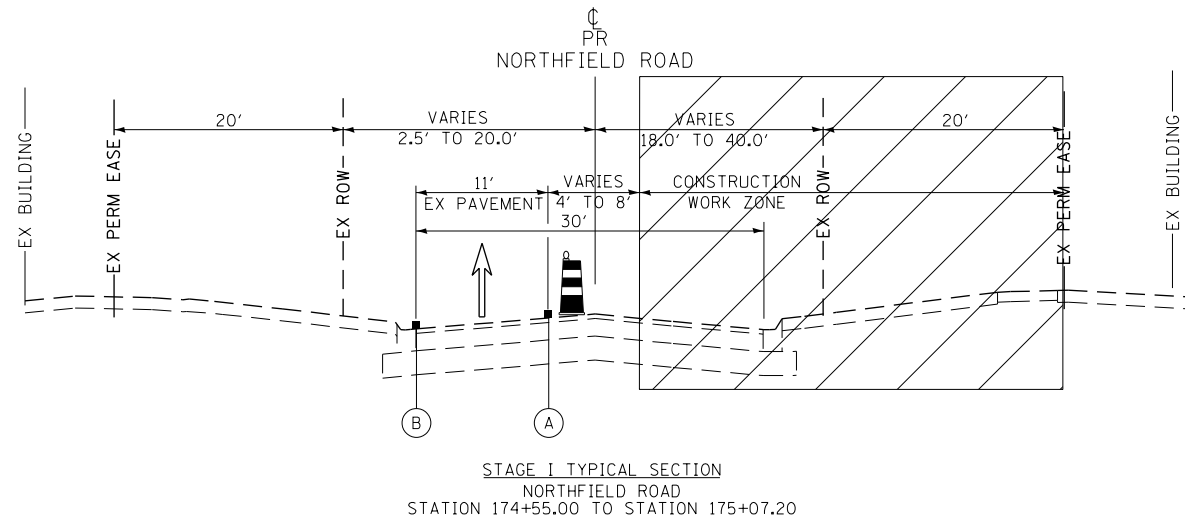
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-R5	COOK	98	19
				CONTRACT NO. 61F49
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	BY	
	NOTED	
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	FILE NAME	
	NO.	

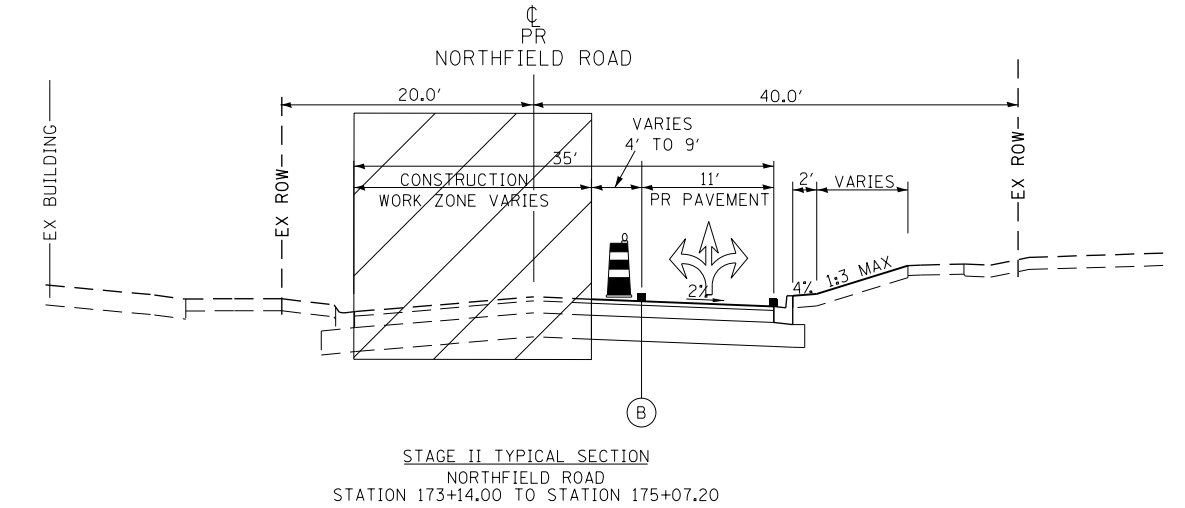
PROFILE	SURVEYED	DATE
	BY	
	GRADES CHECKED	
	STRUCTURE	
	NOTATIONS	
	NO.	



STAGE I



STAGE II



LEGEND

- (A) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID WHITE)
- (B) TEMPORARY PAVEMENT MARKING - LINE 4" (SOLID YELLOW)
- (C) TEMPORARY PAVEMENT MARKING - LINE 6" (SOLID WHITE)
- (D) TEMPORARY PAVEMENT MARKING - LINE 6" (2' DASH 6' SKIP, WHITE)
- (E) TEMPORARY PAVEMENT MARKING - 2 - 4" (DOUBLE YELLOW @ 11" C-C)
- (F) TEMPORARY PAVEMENT MARKING - LINE 4" (10' DASH 30' SKIP, WHITE)
- (G) EXISTING PAVEMENT MARKING

- TYPE II BARRICADE OR DRUM WITH STEADY BURNING LIGHT
- WORK ZONE
- DIRECTION OF TRAFFIC

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FILE NAME =	USER NAME = ttpolarinos	DESIGNED - CEC	REVISED -
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Default	PLOT SCALE = 50 SCALE	CHECKED - DWB	REVISED -
	PLOT DATE = 1/3/2019	DATE - 11/26/2018	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

NORTHFIELD ROAD  
 WINNETKA ROAD TO WILLOW ROAD  
 SUGGESTED TRAFFIC CONTROL TYPICAL SECTIONS

SCALE: NTS SHEET 2 OF 8 SHEETS STA. TO STA.

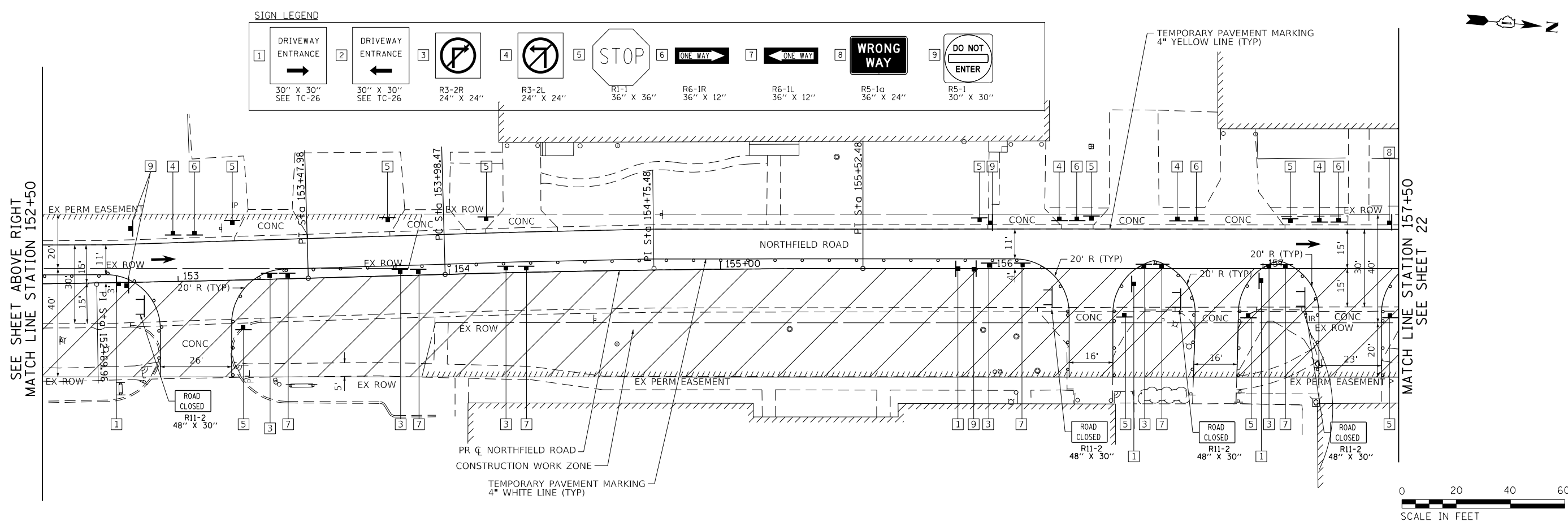
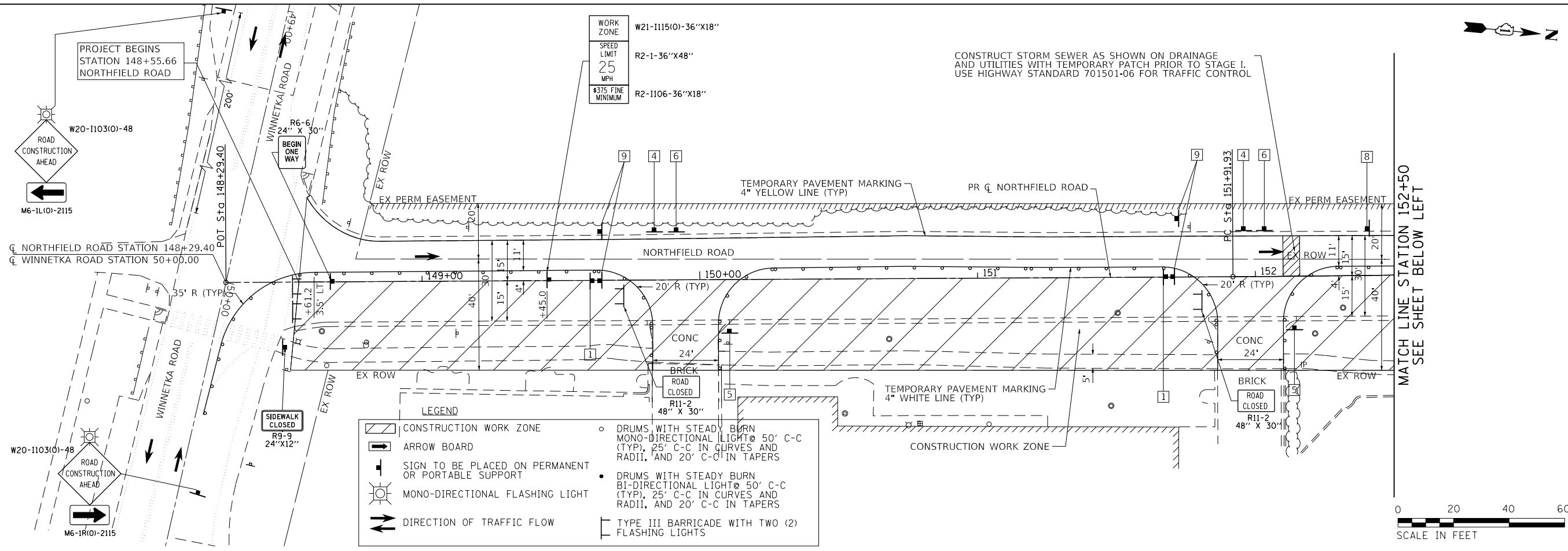
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1039	16-00053-00-R5	COOK	98	20
				CONTRACT NO. 61F49
ILLINOIS FED. AID PROJECT				



PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	FILED		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
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	FILED		
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FILE NAME =	USER NAME = ttpelarios	DESIGNED - CEC	REVISED -
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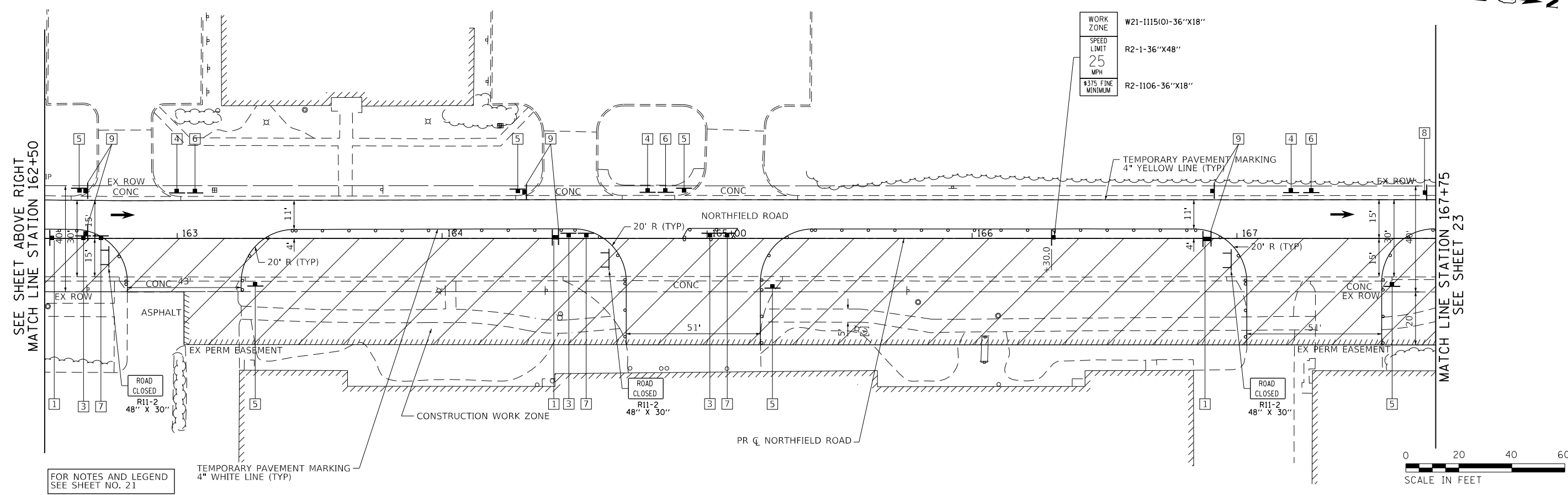
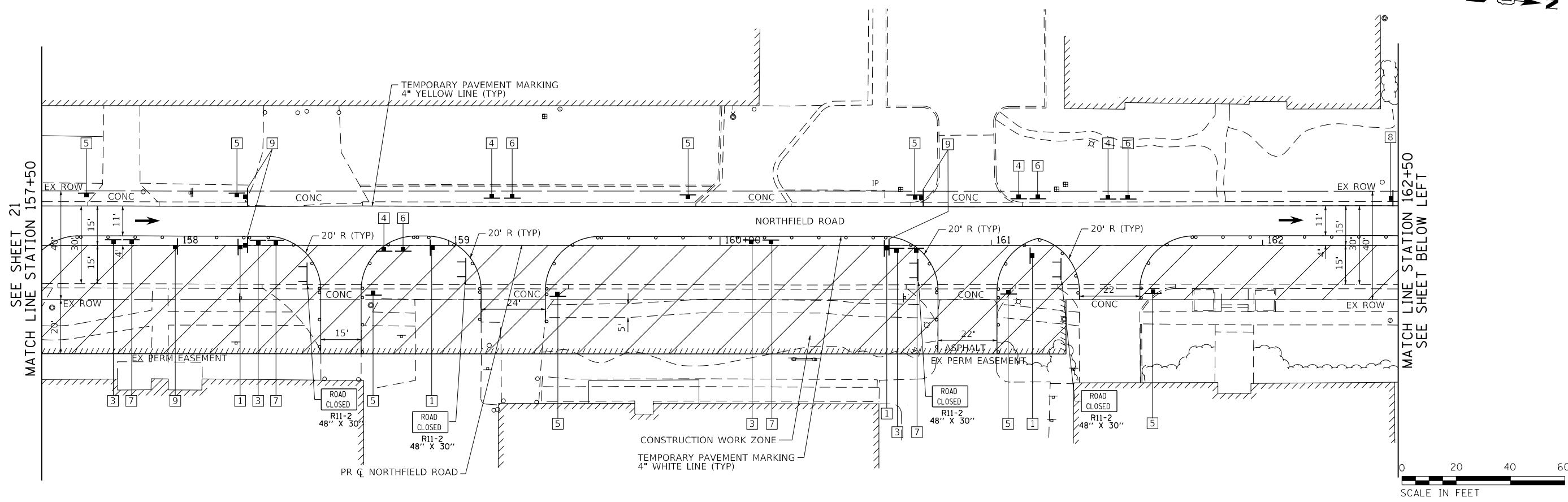
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**NORTHFIELD ROAD**  
**WINNETKA ROAD TO WILLOW ROAD**  
**SUGGESTED TRAFFIC CONTROL PLAN - STAGE I**  
 SCALE: 1"=20' SHEET 3 OF 8 SHEETS STA. 148+55.66 TO STA. 157+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-R5	COOK	98	21
				CONTRACT NO. 61F49
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	CADD FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	GRADES		
	STRUCTURE		
	NOTATRS CHKD		
	NO.		



FOR NOTES AND LEGEND SEE SHEET NO. 21

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FILE NAME =	USER NAME = ttpelarios	DESIGNED - CEC	REVISED -
Invalid expression'		DRAWN - MLB	REVISED -
Default	PLOT SCALE = 50 SCALE	CHECKED - DWB	REVISED -
	PLOT DATE = 1/3/2019	DATE - 11/26/2018	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

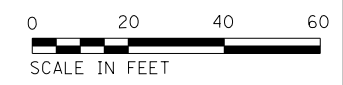
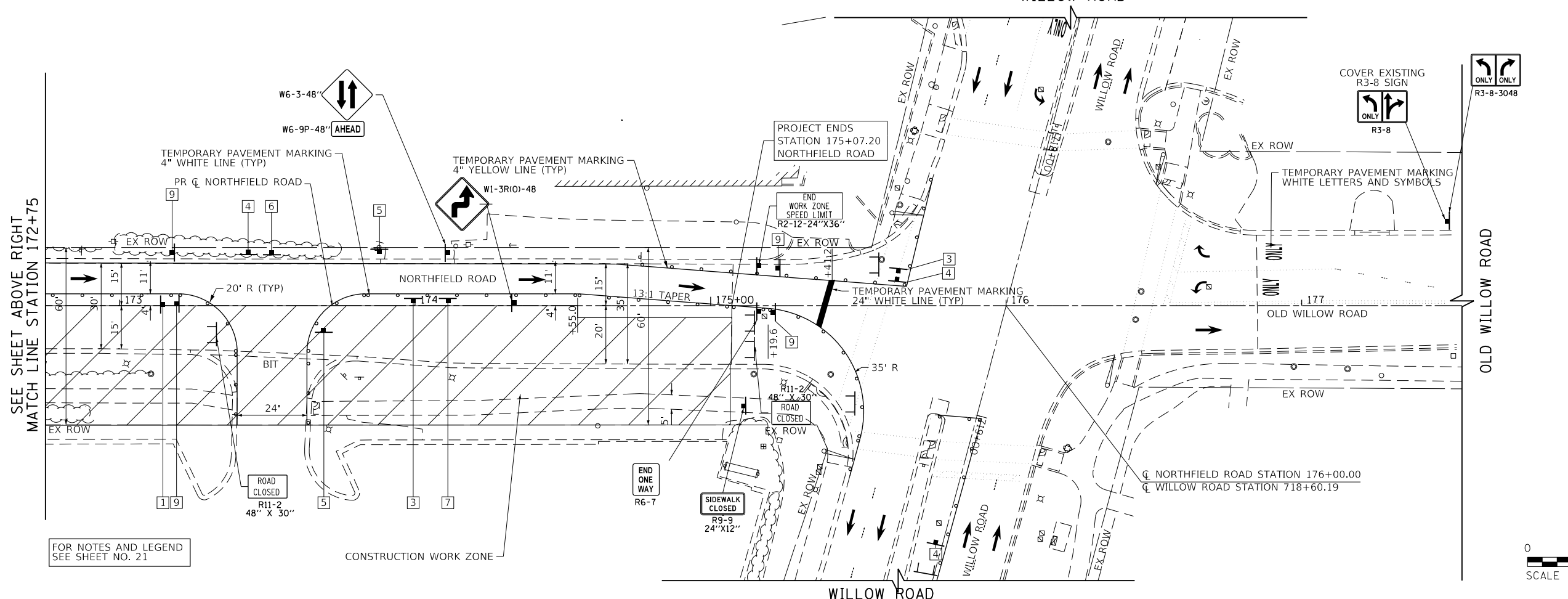
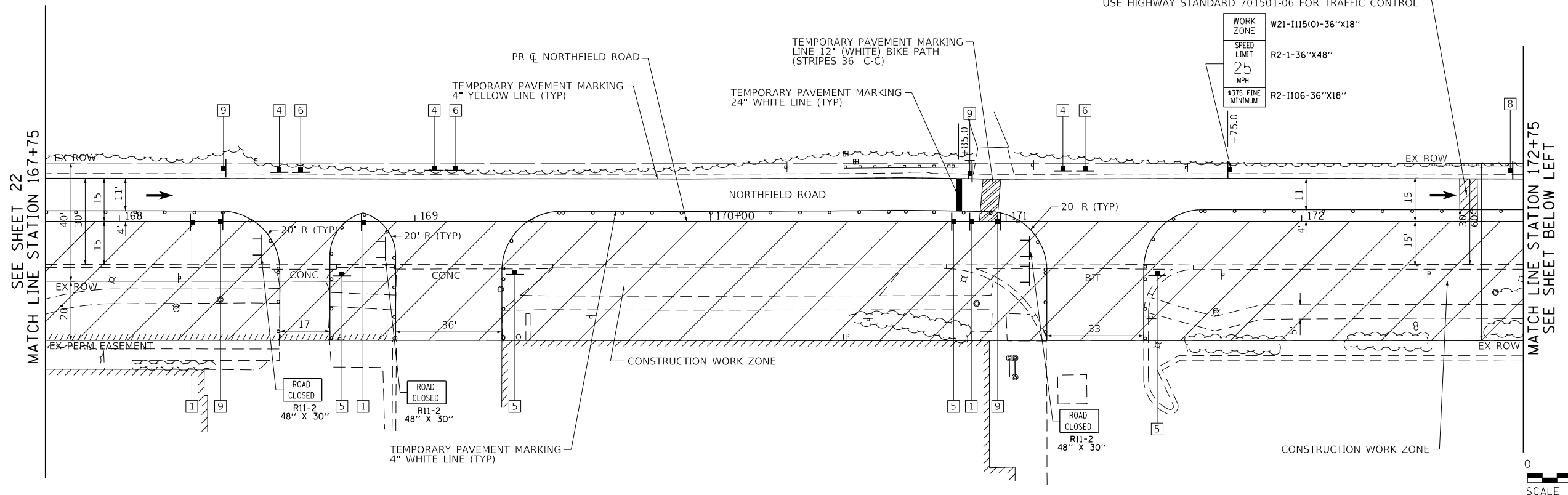
**NORTHFIELD ROAD**  
**WINNETKA ROAD TO WILLOW ROAD**  
**SUGGESTED TRAFFIC CONTROL PLAN - STAGE I**

SCALE: 1"=20' SHEET 4 OF 8 SHEETS STA. 157+50.00 TO STA. 167+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-R5	COOK	98	22
				CONTRACT NO. 61F49
ILLINOIS FED. AID PROJECT				



CONSTRUCT STORM SEWER AS SHOWN ON DRAINAGE AND UTILITIES WITH TEMPORARY PATCH PRIOR TO STAGE I. USE HIGHWAY STANDARD 701501-06 FOR TRAFFIC CONTROL



PLAN	SURVEYED	BY	DATE
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	CHECKED		
	ALIGNED		
	FILED		
	CAD FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	GRADES		
	STRUCTURE		
	NOTATIONS		
	CHKD		
	NO.		

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FOR NOTES AND LEGEND  
 SEE SHEET NO. 21

FILE NAME =	USER NAME = ttpelarios	DESIGNED - CEC	REVISED -
Invalid expression'		DRAWN - MLB	REVISED -
Default	PLOT SCALE = 50 SCALE	CHECKED - DWB	REVISED -
	PLOT DATE = 1/3/2019	DATE - 11/26/2018	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**NORTHFIELD ROAD**  
**WINNETKA ROAD TO WILLOW ROAD**  
**SUGGESTED TRAFFIC CONTROL PLAN - STAGE I**

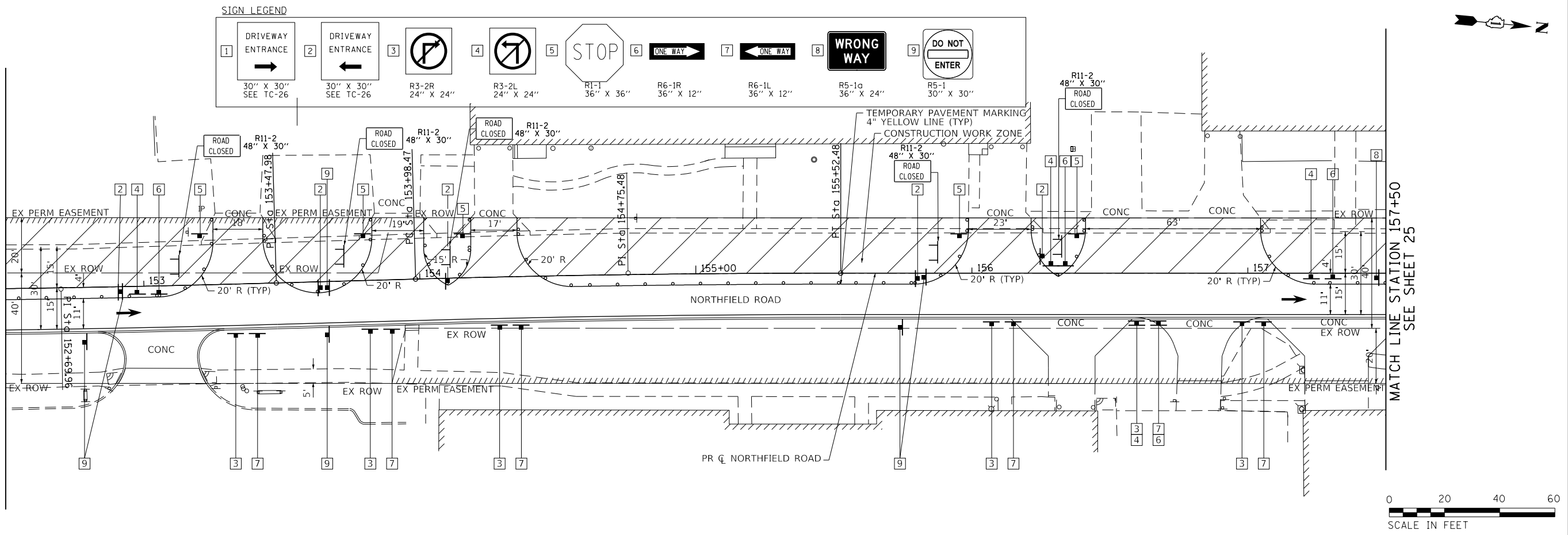
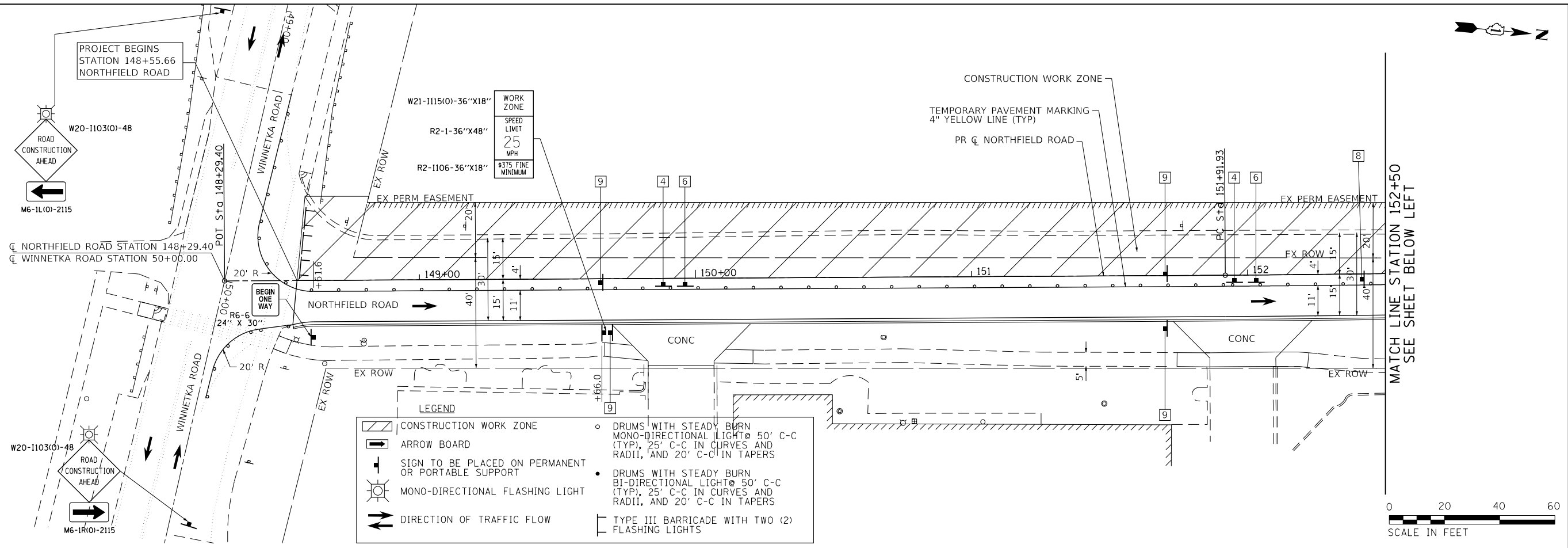
SCALE: 1"=20' SHEET 5 OF 8 SHEETS STA. 167+75.00 TO STA. 175+07.20

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-R5	COOK	98	23
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61F49	

PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	CHECKED	
	ALIGNED	
	FILED	
	DATE	

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	BY
NO.	STRUCTURE	
	NOTATIONS	
	CHKD	

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 1475 EAST WOODFIELD ROAD, SUITE 600  
 SCHAMBURG, ILLINOIS 60173  
 (847) 605-9600



FILE NAME =	USER NAME = ttpelarios	DESIGNED - CEC	REVISED -
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Default		CHECKED - DWB	REVISED -
		DATE - 11/26/2018	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

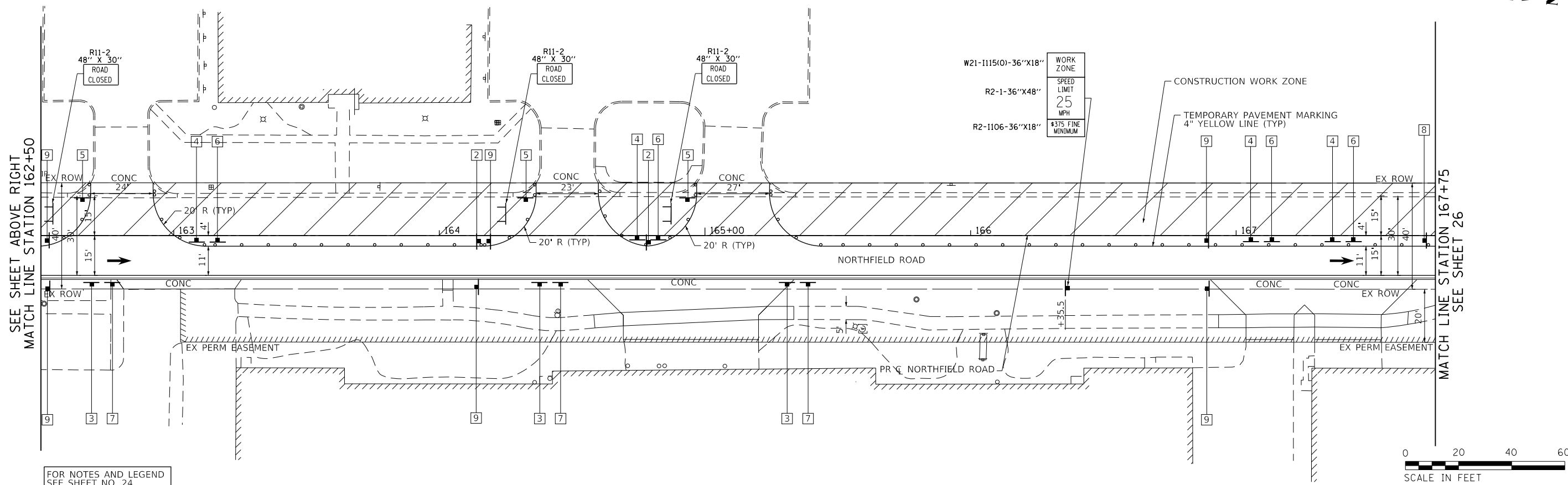
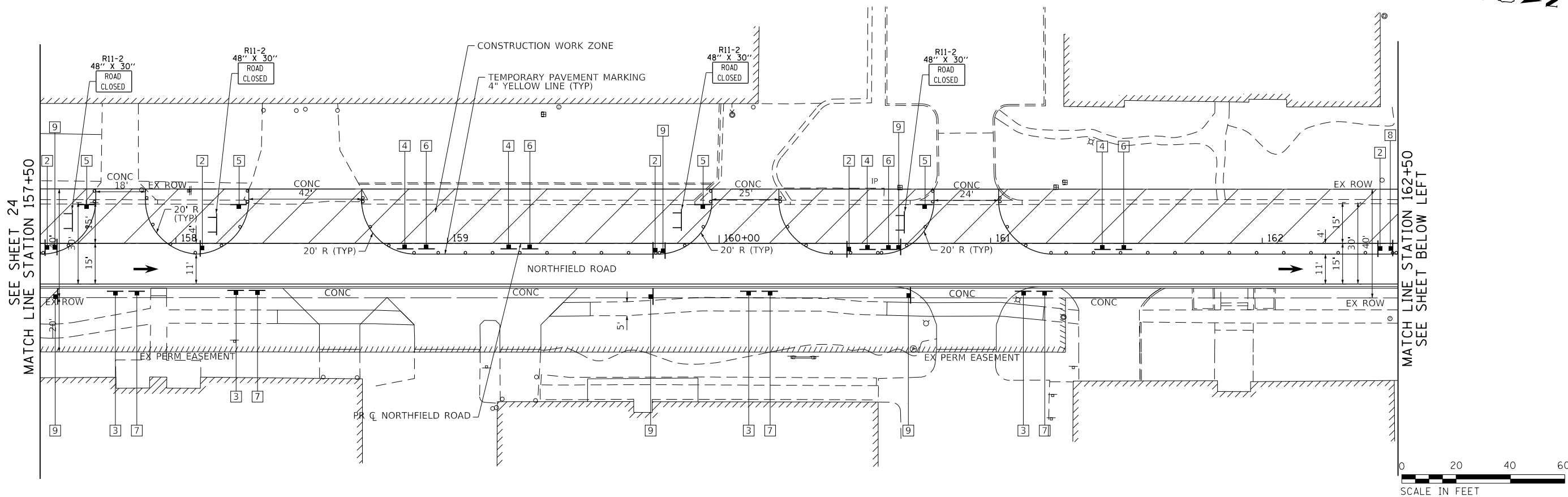
**NORTHFIELD ROAD**  
**WINNETKA ROAD TO WILLOW ROAD**  
**SUGGESTED TRAFFIC CONTROL PLAN - STAGE II**  
 SCALE: 1"=20' SHEET 6 OF 8 SHEETS STA. 148+55.66 TO STA. 157+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-R5	COOK	98	24
				CONTRACT NO. 61F49
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALIGNED		
	CAD FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHKD		
	NO.		

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FOR NOTES AND LEGEND  
 SEE SHEET NO. 24

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Default	PLOT SCALE = 50 SCALE	CHECKED - DWB	REVISED -
	PLOT DATE = 1/3/2019	DATE - 11/26/2018	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**NORTHFIELD ROAD  
 WINNETKA ROAD TO WILLOW ROAD  
 SUGGESTED TRAFFIC CONTROL PLAN - STAGE II**

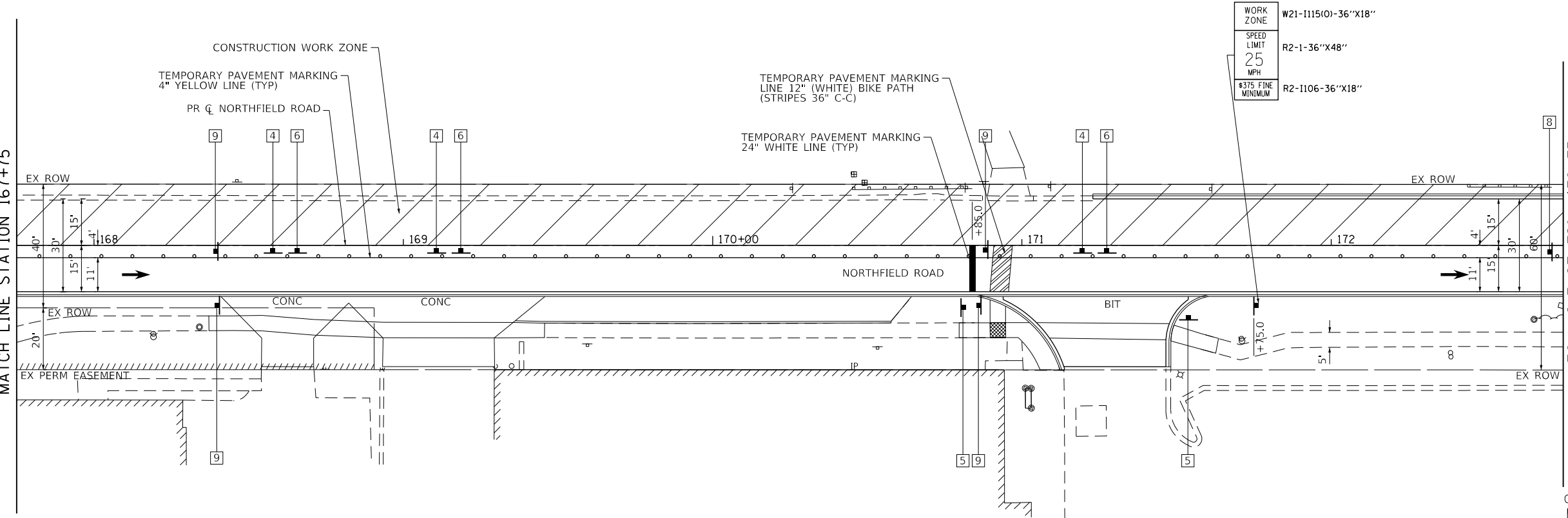
SCALE: 1"=20' SHEET 7 OF 8 SHEETS STA. 157+50.00 TO STA. 167+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-R5	COOK	98	25
				CONTRACT NO. 61F49
ILLINOIS FED. AID PROJECT				

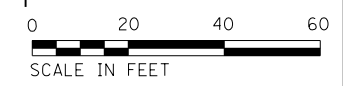


PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	ALLOWED		
	CADD FILE NAME		
	NO.		

SEE SHEET 25  
MATCH LINE STATION 167+75



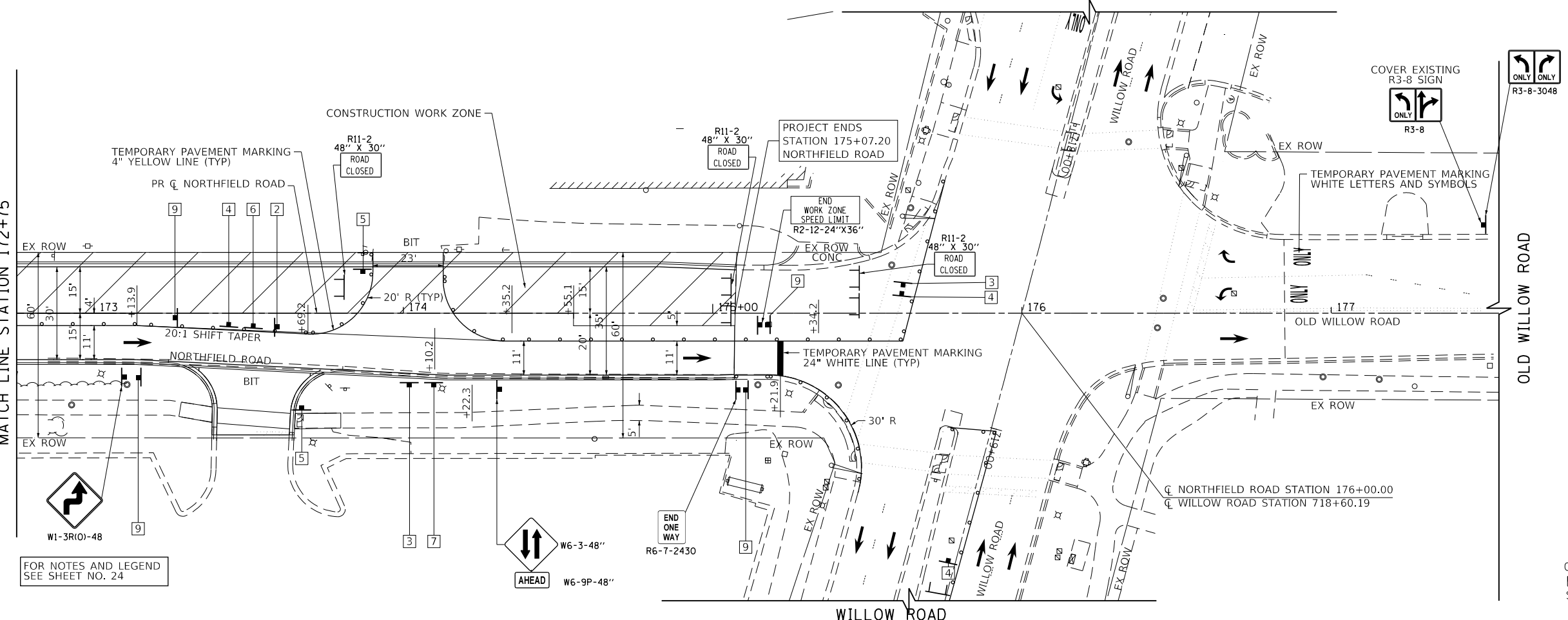
WORK ZONE	W21-1115(0)-36"x18"
SPEED LIMIT	R2-1-36"x48"
25 MPH	
#375 FINE MINIMUM	R2-1106-36"x18"



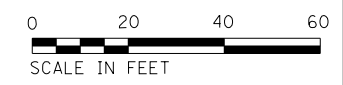
SCALE IN FEET

PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHKD		
	NO.		

SEE SHEET ABOVE RIGHT  
MATCH LINE STATION 172+75



FOR NOTES AND LEGEND  
SEE SHEET NO. 24



SCALE IN FEET

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Invalid expression'		DRAWN - MLB	REVISED -
Default	PLOT SCALE = 50 SCALE	CHECKED - DWB	REVISED -
	PLOT DATE = 1/3/2019	DATE - 11/26/2018	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**NORTHFIELD ROAD**  
**WINNETKA ROAD TO WILLOW ROAD**  
**SUGGESTED TRAFFIC CONTROL PLAN - STAGE II**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-R5	COOK	98	26
				CONTRACT NO. 61F49
ILLINOIS FED. AID PROJECT				

SCALE: 1"=20' SHEET 8 OF 8 SHEETS STA. 167+75.00 TO STA. 175+07.20

# TYPICAL INTERSECTION AT POINT OF DETOUR

## TYPICAL DETOUR ASSEMBLY SIGN

SIGN NO. 13

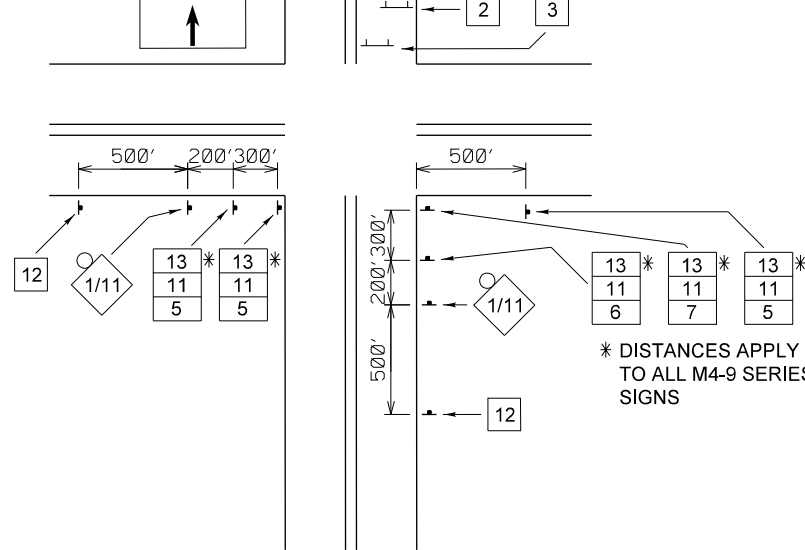
DIRECTION

SIGN NO. 11

ROAD NAME

SIGNS NO. 5 TO 9

DETOUR



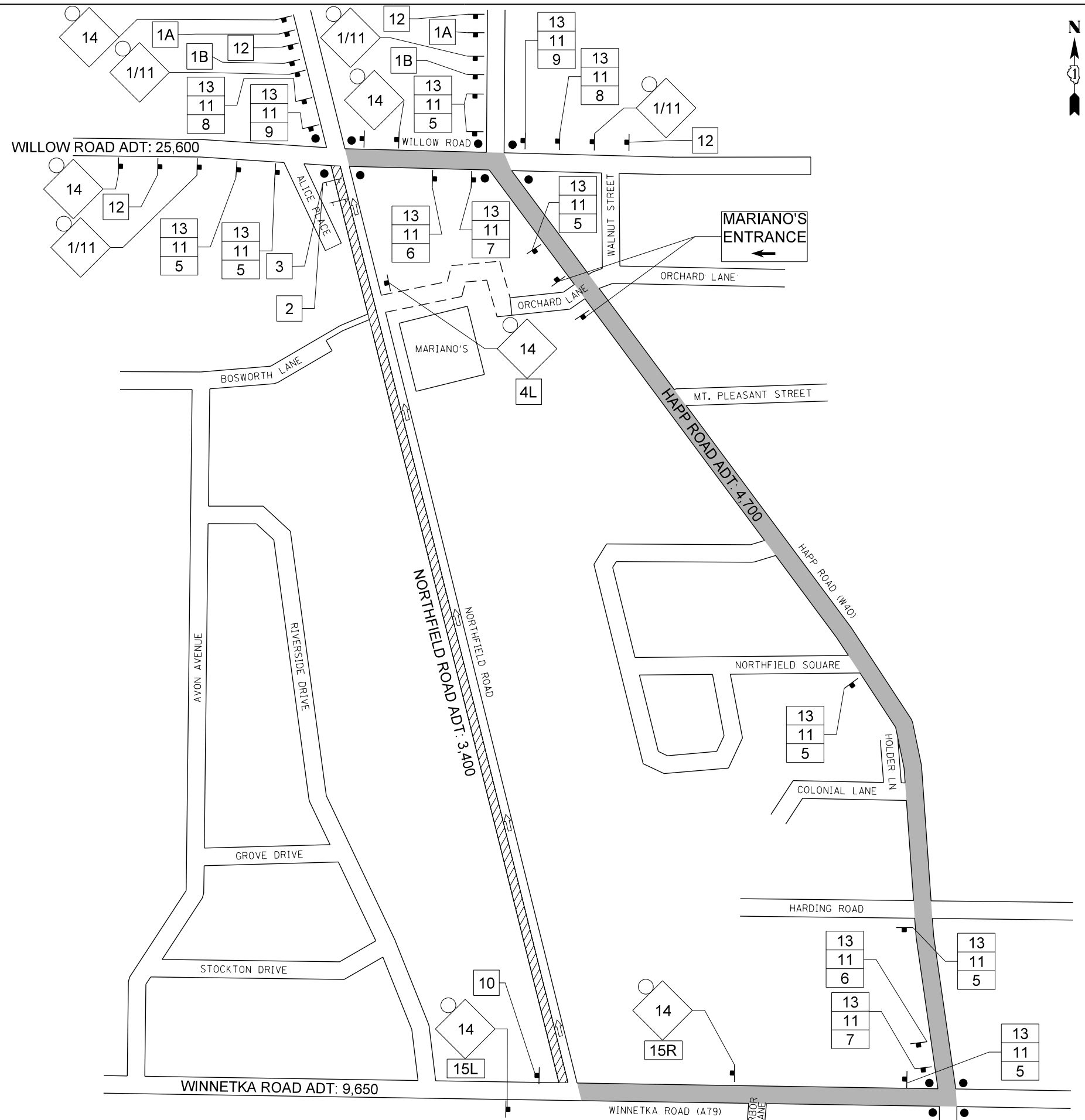
\* DISTANCES APPLY TO ALL M4-9 SERIES SIGNS

## SPECIAL DETOUR NOTES:

1. THE CONTRACTOR SHALL PAY PARTICULAR ATTENTION TO THE DETOUR GENERAL NOTES. SEE SHEET 31 FOR THE DETOUR GENERAL NOTES.
2. SEE SHEET 32 FOR INFORMATION ON THE DESIGN AND LOCATION OF THE DETOUR INFORMATION SIGNS.
3. A MINIMUM OF EIGHT (8) TYPE III BARRICADES WILL BE NEEDED FOR THIS DETOUR AND ROAD CLOSURE. SEE DETOUR GENERAL NOTE 16.

## LEGEND

- SIGNALIZED INTERSECTION
- 48"X48" CONSTRUCTION WARNING SIGN, WITH AMBER FLASHING LIGHT NUMBER DENOTES TYPE
- M4-9 SERIES DETOUR SIGN WITH ROAD NAME AND DIRECTION PLATES, NUMBER DENOTES TYPE
- OTHER DETOUR SIGNS, NUMBER DENOTES TYPE
- TYPE III BARRICADE WITH AMBER FLASHING LIGHTS
- DETOUR ROUTE



PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
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	ALIGNED	
	FILED	
	CAD FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	BY
NO.	STRUCTURE	
	NOT AT THIS OFFICE	

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Default	PLOT SCALE = 50 SCALE	CHECKED - DWB	REVISED -
	PLOT DATE = 1/3/2019	DATE - 11/26/2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

NORTHFIELD ROAD WINNETKA ROAD TO WILLOW ROAD DETOUR PLAN		F.A.U. R.T.E. 1039	SECTION 16-00053-00-R5	COUNTY COOK	TOTAL SHEETS 98	SHEET NO. 27
SCALE: NONE	SHEET 1 OF 3 SHEETS	STA.	TO STA.	CONTRACT NO. 61F49		

ILLINOIS FED. AID PROJECT	
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# SCHEDULE OF QUANTITIES

SIGN NO.	SIGN	SIGN TYPE	QUANTITY
1		W20-2 (O) 48	4
1A		W20-3-4848	1
1B		W20-3-4848	1
2		R11-2 4830	1
3		M4-10L (O) 4818	1
4L		R3-1	1
4R			
5		M4-9 (O) 3021	6
6		M4-9R (O) 3021	2
7		M4-9R (O) 3021	2
8		M4-9L (O) 3021	2
9		M4-9L (O) 3021	2
10		M4-8a (O) 2418	1
11		SPECIAL (O) 9 VARIABLE	17
12		SPECIAL (O) 6030	4
13		M3-1 (O) 2412	14
14		W20-1103 (O) 48	6
15L		M6-1L(O) 2115	1
15R		M6-1R(O) 2115	1

## DETOUR GENERAL NOTES:

- ALL SIGNING SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED APRIL, 1, 2016", "THE QUALITY STANDARD FOR WORK ZONE TRAFFIC CONTROL DEVICES ADOPTED 2010, "THE DETAILS IN THESE PLANS AND THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES".
- THE ENGINEER SHALL BE NOTIFIED IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT. THE ENGINEER SHALL DETERMINE THE HOUR OF CLOSURE. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES.
- IF DEEMED NECESSARY BY THE ENGINEER A PRE-CONSTRUCTION MEETING WITH THE CONTRACTOR SHALL BE HELD AT LEAST TWO WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT.
- THE CONTRACTOR SHALL SUPPLY TO THE ENGINEER THE NAMES AND TELEPHONE NUMBERS OF HIS REPRESENTATIVES ON THE CONSTRUCTION SITE AND HIS REPRESENTATIVE RESPONSIBLE FOR THE DETOUR SIGNING PRIOR TO THE START OF THE WORK. THE NORTHFIELD POLICE DEPARTMENT REPRESENTATIVE FOR THIS DETOUR IS:  
NORTHFIELD POLICE DEPARTMENT  
POLICE NON-EMERGENCY NUMBER  
350 WALNUT AVENUE  
NORTHFIELD, IL 60093  
(847) 446-2131  
  
THE ILLINOIS DEPARTMENT OF TRANSPORTATION REPRESENTATIVE FOR THIS DETOUR IS:  
CORY JUCIUS  
ARTERIAL ENGINEER  
ILLINOIS DEPARTMENT OF TRANSPORTATION  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196  
(847) 705-4470
- IF REQUESTED BY THE CONTRACTOR IN WRITING AT LEAST THREE WEEKS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT THE ENGINEER WILL FIELD LOCATE THE POSITIONS OF ANY SIGNS.
- LONGITUDINAL DIMENSIONS SHOWN ON THESE PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS, WITH THE APPROVAL OF THE ENGINEER.
- THE ROAD SHALL NOT BE CLOSED UNTIL ALL SIGNING IS ERECTED IN ACCORDANCE WITH THE DETOUR PLAN AND INSPECTED AND APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL BARRICADES, SIGNS, LIGHTS, AND OTHER DEVICES INSTALLED BY HIM ARE IN PLACE AND OPERATING 24 HOURS EACH DAY INCLUDING SUNDAYS AND HOLIDAYS DURING THE TIME THE DETOUR IS IN EFFECT.
- THE TRAFFIC CONTROL SHOWN ON THE DETOUR PLAN IS THE MINIMUM NECESSARY TO ENSURE THIS ROAD CLOSURE. THE CONTRACTOR SHALL MAKE ALL CHANGES IN TRAFFIC CONTROL THAT IS DEEMED NECESSARY BY THE ENGINEER. ADDITIONS AND DELETIONS OF TRAFFIC CONTROL FOR THIS DETOUR SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION".
- ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE DETOUR IS IN EFFECT SHALL BE COMPLETELY COVERED BY THE CONTRACTOR, IN A MANNER APPROVED BY THE ENGINEER.
- ALL DETOUR SIGNING SHALL BE POST MOUNTED IF THE ROAD CLOSURE IS TO EXCEED FOUR (4) CALENDAR DAYS.
- ALL DETOUR SIGNING EXCEPT REGULATORY SIGNS SHALL HAVE BLACK LEGENDS ON FLUORESCENT ORANGE SHEETING AND STANDARD BLACK BORDERS. THE FLUORESCENT ORANGE REFLECTIVE SHEETING SHALL MEET THE REQUIREMENTS OF SECTION 1091 OF THE STANDARD SPECIFICATIONS. ALL DETOUR SIGNING SHALL BE NEW OR LIKE NEW CONDITION. THE ENGINEER SHALL BE THE SOLE JUDGE OF THE CONDITION OF THE SIGNS.
- THE SIZES OF ALL SIGNS NOT SPECIFIED IN THESE PLANS SHALL BE AS REQUIRED BY THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

- AS A MINIMUM, ALL AMBER FLASHING LIGHTS THAT ARE REQUIRED FOR THIS DETOUR SHALL MEET THE REQUIREMENTS FOR TYPE A-LOW INTENSITY FLASHING LIGHTS IN ARTICLE 1106.02 OF THE STANDARD SPECIFICATIONS. ALL LIGHTS SHALL OPERATE DURING THE HOURS OF DARKNESS. ONLY LIGHTS THAT HAVE BEEN APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE USED.
- WHEN REQUIRED THE MINIMUM DIMENSIONS OF THE ORANGE WARNING FLAGS SHOWN IN THESE PLANS ARE 18"X 18".
- ALL BARRICADES SHALL HAVE REFLECTORIZED STRIPING ON BOTH SIDES OF THE BARRICADES. THE TYPE III BARRICADES USED AT THE POINT OF CLOSURE TO THRU TRAFFIC SHALL NOT EXCEED 8 FEET IN WIDTH EACH, FOR A SINGLE APPROACH LANE.
- THE "ROAD CLOSED" (R11-2), THE "ROAD CLOSED XX MILES AHEAD LOCAL TRAFFIC ONLY" (R11-3) AND THE "ROAD CLOSED TO THRU TRAFFIC" (R11-4) SIGNS SHALL BE MOUNTED ABOVE THE TOP OF THE BARRICADE. ALL TYPE III BARRICADES SHALL HAVE TWO (2) AMBER TYPE A-LOW INTENSITY FLASHING LIGHTS SPACED NEAR THE CENTERLINE OF THE SUPPORTS.
- THE ROAD NAME SIGN SHALL HAVE A BLACK LEGEND ON THE FLUORESCENT ORANGE REFLECTIVE SHEETING. THE SIGN BLANK SHALL BE A 9" X VARIABLE OR A 12" X VARIABLE WITH DESIGN SERIES C LETTERS. THE CAPITAL LETTERS SHALL BE 6" WITH 4.5" LOWER CASE.
- DURING NON-WORKING HOURS AT THE POINT OF ROAD CLOSURE TO ALL TRAFFIC THE CONTRACTOR SHALL PROVIDE A MEANS TO RESTRAIN THE BARRICADES FROM EASY MOVEMENT BY VANDALS. THE CHOSEN METHOD SHALL BE APPROVED BY THE ENGINEER.
- CONSTRUCTION EQUIPMENT SHALL NOT BE PARKED IMMEDIATELY BEHIND THE TYPE III BARRICADES DURING NON-WORKING HOURS. IN ANY EVENT ARTICLE 701.04 OF THE STANDARD SPECIFICATIONS SHALL APPLY.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE VISIBILITY OF ALL DETOUR AND CONSTRUCTION SIGNING, INCLUDING BRUSHING BACK VEGETATION IF DEEMED NECESSARY BY THE ENGINEER.
- THE FOLLOWING ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD IS APPLICABLE FOR THIS WORK:  
STANDARD 701901
- THE ENGINEER SHALL BE NOTIFIED AT LEAST TWO (2) HOURS BEFORE THE ROAD IS TO BE OPENED TO TRAFFIC. THE ENGINEER WILL CONTACT THE APPROPRIATE LOCAL AGENCIES AND INTERESTED PARTIES.
- CARE IS TO BE TAKEN AS NOT TO DAMAGE ANY OF THE EXISTING TRAFFIC SIGNAL CONDUITS, AND EQUIPMENT. IF ANY OF THE TRAFFIC SIGNAL CONDUITS, CABLES AND/OR EQUIPMENT IS DAMAGED, THE CONTRACTOR SHALL REPAIR AND/OR REPLACE THE CONDUITS, CABLES AND/OR EQUIPMENT AT NO COST TO THE VILLAGE.
- IF THIS CONTRACT REQUIRES THE SERVICES OF AN ELECTRICAL CONTRACTOR, THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS/HER OWN EXPENSE FOR LOCATING EXISTING IDOT, NORTHFIELD AND CCDOTH FACILITIES PRIOR TO PERFORMING ANY WORK. IF THIS CONTRACT DOES NOT REQUIRE THE SERVICES OF ELECTRICAL CONTRACTOR, THE CONTRACTOR MAY REQUEST ONE FREE LOCATE FOR EXISTING IDOT AND CCDOTH ELECTRICAL FACILITIES FROM THE ELECTRICAL MAINTENANCE CONTRACTOR(S) PRIOR TO THE START OF ANY WORK. ADDITIONAL REQUESTS MAY BE AT THE EXPENSE OF THE CONTRACTOR. THE LOCATION OF UNDERGROUND TRAFFIC FACILITIES DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO REPAIR ANY FACILITIES DAMAGED DURING CONSTRUCTION AT THEIR EXPENSE.
- FOR THE LOCATION OF UNDERGROUND COUNTY MAINTAINED FACILITIES, SEE VILLAGE SPECIAL PROVISION "TRAFFIC SIGNAL WORK GENERAL".
- NOTIFY THE DEPARTMENT UPON INSTALLATION OF DETOUR SIGNS AND ITS SUBSEQUENT REMOVAL.
- TWO WEEKS ADVANCE NOTICE TO CCDOTH, LOCAL AGENCIES, SCHOOL DISTRICTS AND IDOT DISTRICT-1, WILL BE REQUIRED PRIOR TO OPERATION OF DETOUR ROUTE.
- THE DETOUR ROUTE SHALL BE FOR SOUTHBOUND NORTHFIELD ROAD AND SHALL CONSIST OF TRAFFIC GOING SOUTHBOUND ON HAPP ROAD TO WINNETKA ROAD AND THEN WESTBOUND ON WINNETKA ROAD TO NORTHFIELD ROAD.

PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	
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	FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	PLOTTED	
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	FILE NAME	

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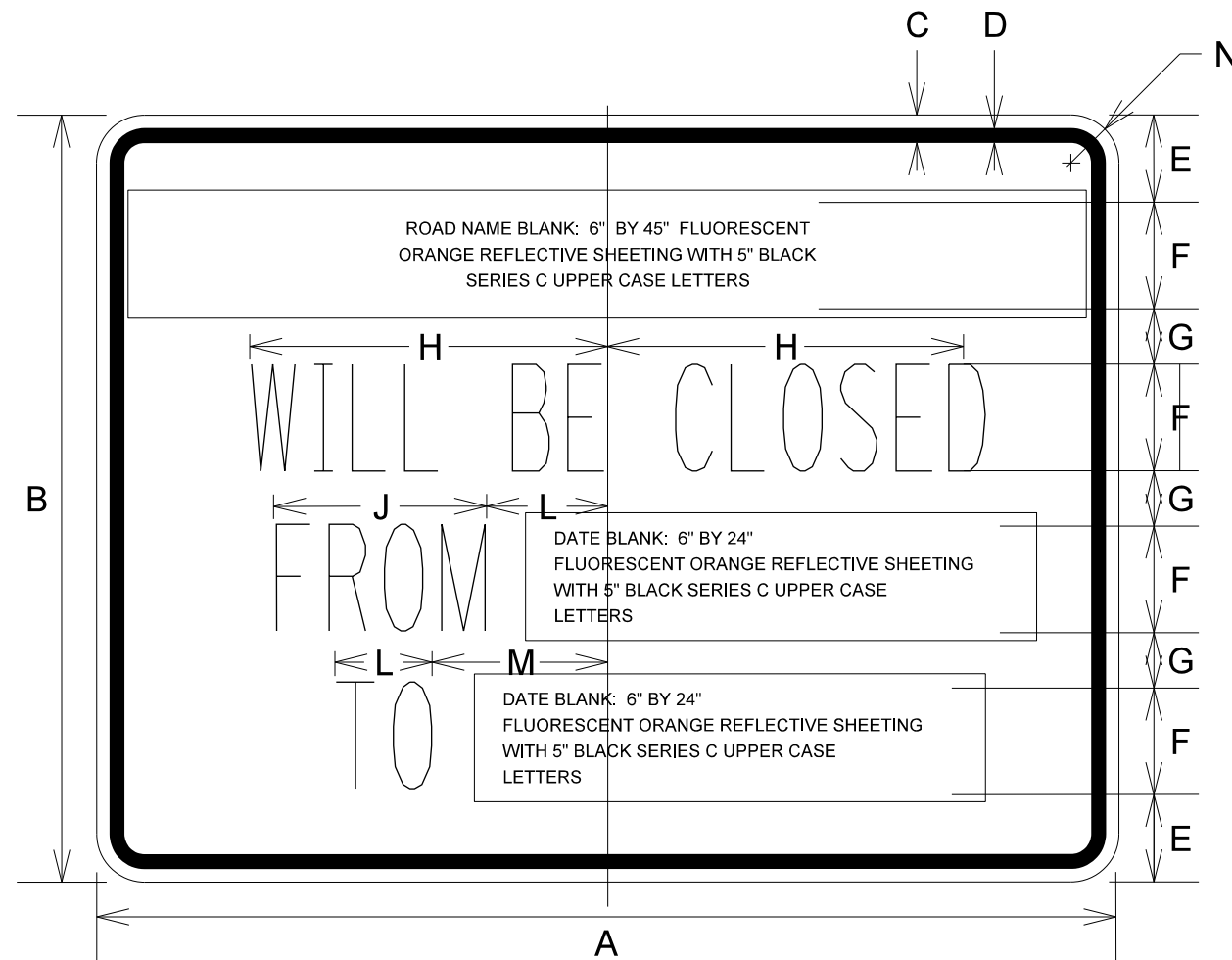
FILE NAME =	USER NAME = ttpelarios	DESIGNED - CEC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>NORTHFIELD ROAD WINNETKA ROAD TO WILLOW ROAD DETOUR PLAN</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Invalid expression'		DRAWN - MLB	REVISED -			1039	16-00053-00-R5	COOK	98	28	
Default		CHECKED - DWB	REVISED -			CONTRACT NO. 61F49					
		PLOT DATE = 1/3/2019	DATE - 11/26/2018			SCALE: NONE	SHEET 2 OF 3 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

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PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	BY
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	NOTATIS	
	CHFD	

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NUMBER OF SIGNS 7



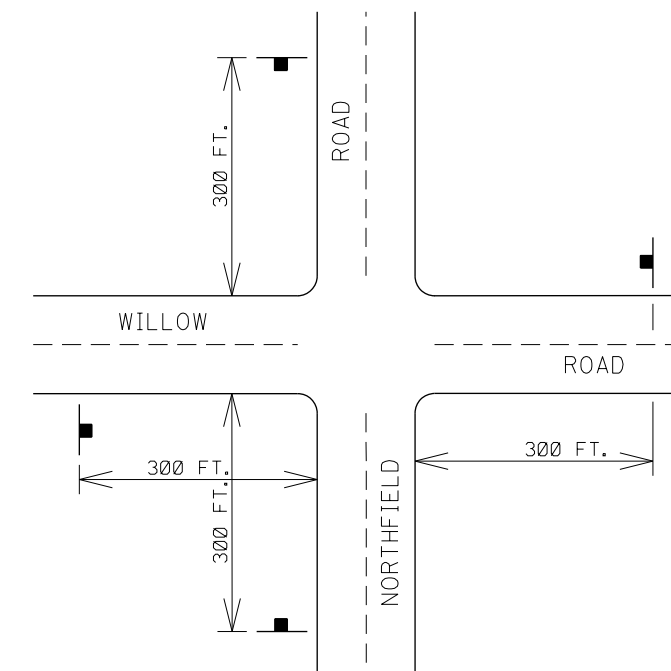
**DIMENSIONS (ENGLISH)**

A	48"
B	36"
C	5/8"
D	7/8"
E	4 1/8"
F	5"
G	2 5/8"
H	9 3/4"
J	12"
K	5 1/2"
L	5 1/2"
M	8 1/2"
N	2 1/4"

NOTE: SIGN SHEETING SHALL BE FLUORESCENT ORANGE WITH 5 INCH (125 mm) BLACK SERIES C LETTERS

**LOCATIONS OF PRE-DETOUR INFORMATION SIGNS BY INTERSECTION**

- E.B. WILLOW ROAD APPROACHING NORTHFIELD ROAD
- W.B. WILLOW ROAD APPROACHING NORTHFIELD ROAD
- E.B. WINNETKA ROAD APPROACHING NORTHFIELD ROAD
- W.B. WINNETKA ROAD APPROACHING NORTHFIELD ROAD
- N.B. NORTHFIELD ROAD NORTH OF WINNETKA ROAD
- S.B. NORTHFIELD ROAD SOUTH OF WILLOW ROAD
- S.B. NORTHFIELD ROAD NORTH OF WILLOW ROAD



NOTE:  
 THESE SIGNS SHALL BE INSTALLED 14 CALENDAR DAYS PRIOR TO THE DETOUR AND ROAD CLOSURE. THE SIGNS SHALL BE REMOVED THE DAY THE DETOUR BEGINS.

SIGN LAYOUT FOR PRE-DETOUR INFORMATION SIGNS AT THE INTERSECTION OF WILLOW ROAD AND NORTHFIELD ROAD. SIGNS AT WINNETKA ROAD AND NORTHFIELD ROAD WILL BE INSTALLED IN A SIMILAR FASHION

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	PLOT DATE = 1/3/2019	CHECKED - DWB	REVISED -
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

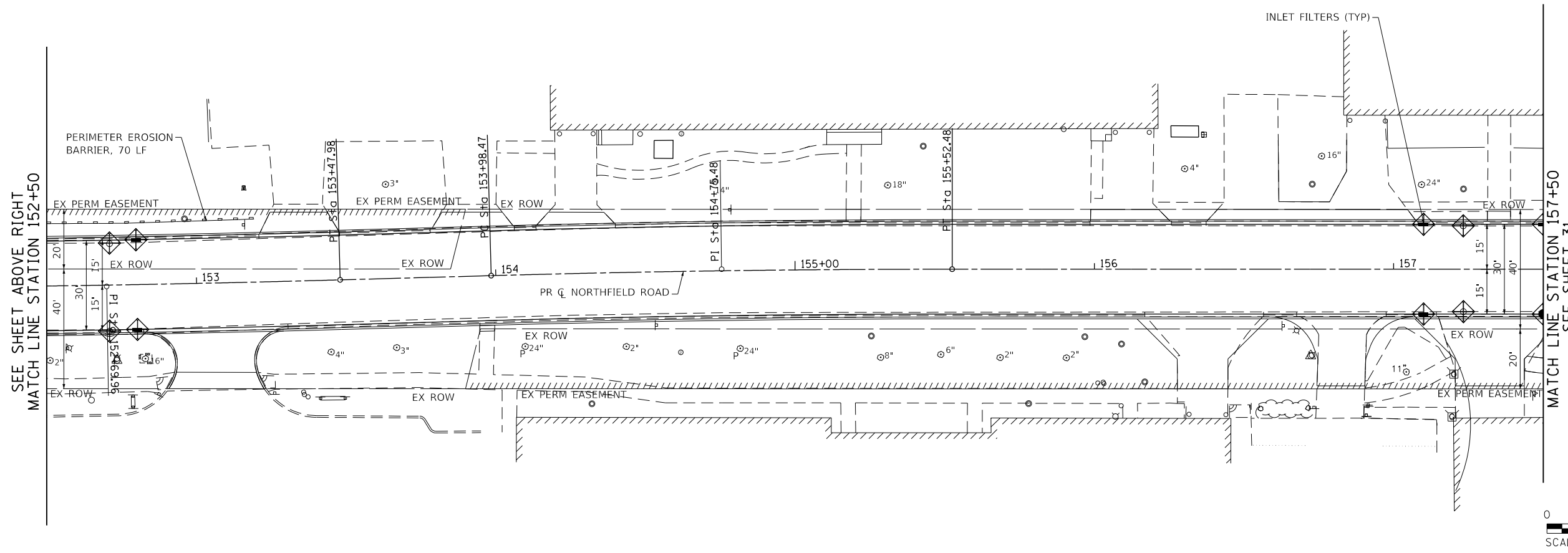
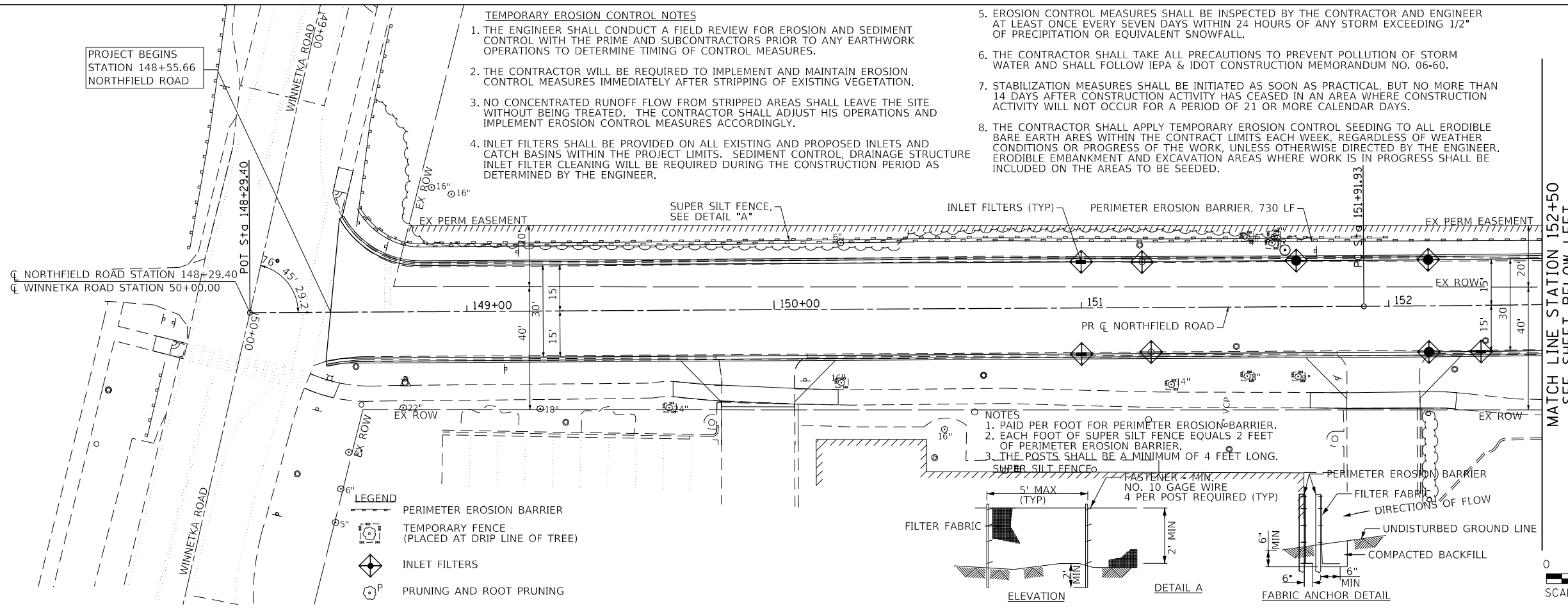
<b>NORTHFIELD ROAD    WINNETKA ROAD TO WILLOW ROAD    DETOUR PLAN</b>	
SCALE: NONE	SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-R5	COOK	98	29
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61F49	

PLAN	SURVEYED	BY	DATE
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PROFILE	SURVEYED	BY	DATE
	PLOTTED		
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	GRADES		
	STRUCTURE		
	NOTATIONS		
	CHKD		
	NO.		

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Default		CHECKED - DWB	REVISED -
		DATE - 11/26/2018	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**NORTHFIELD ROAD**  
**WINNETKA ROAD TO WILLOW ROAD**  
**EROSION CONTROL PLANS**

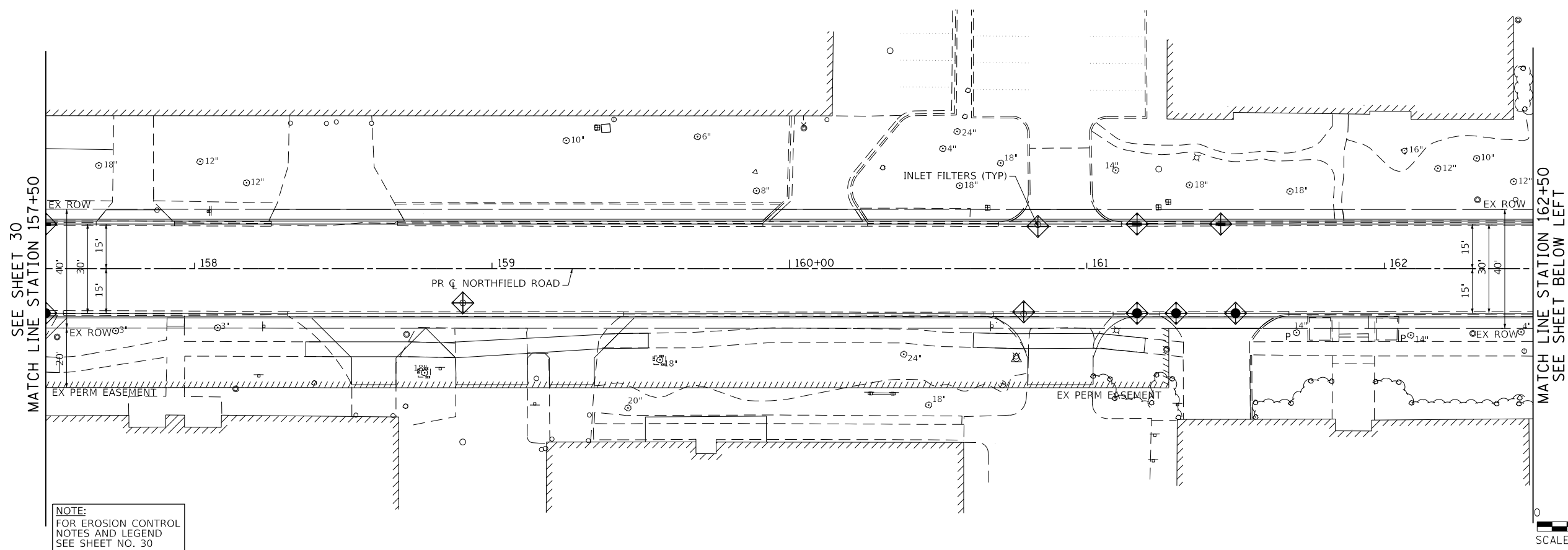
SCALE: 1"=20' SHEET 1 OF 3 SHEETS STA. 148+55.66 TO STA. 157+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-R5	COOK	98	30
				CONTRACT NO. 61F49
ILLINOIS FED. AID PROJECT				

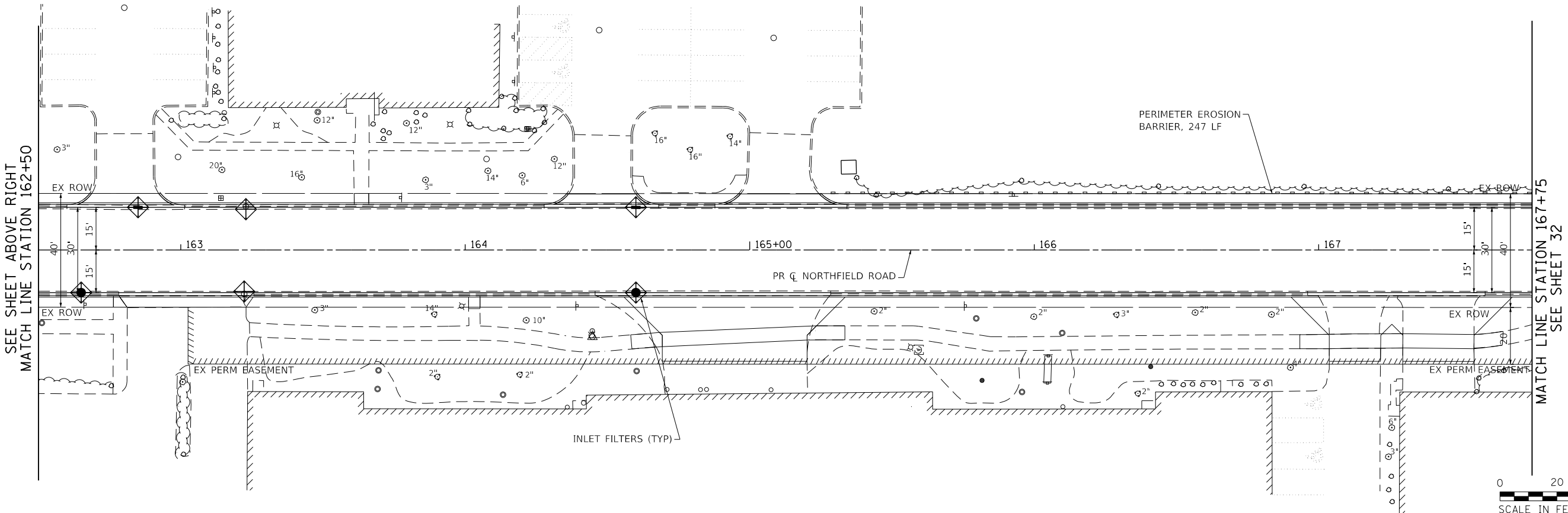
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PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	GRADES		
	STRUCTURE		
	NOTATRS CHKD		
	NO.		

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NOTE:  
 FOR EROSION CONTROL  
 NOTES AND LEGEND  
 SEE SHEET NO. 30



FILE NAME =	USER NAME = Mibeering	DESIGNED - CEC	REVISED -
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

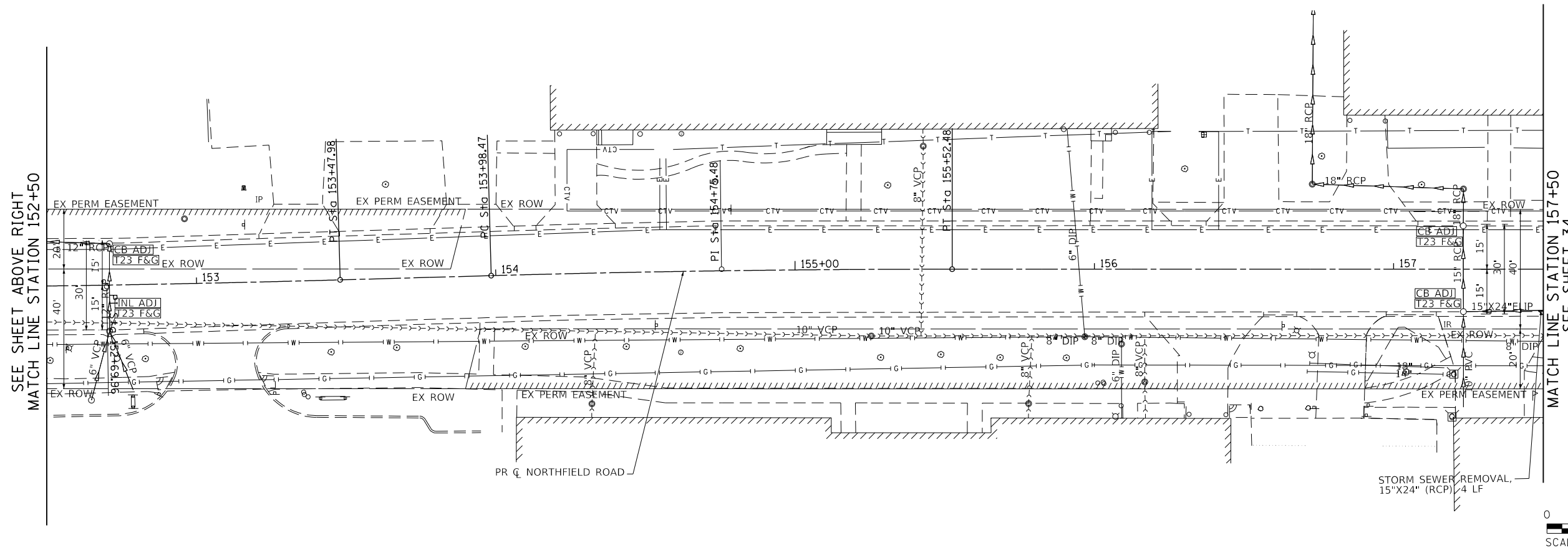
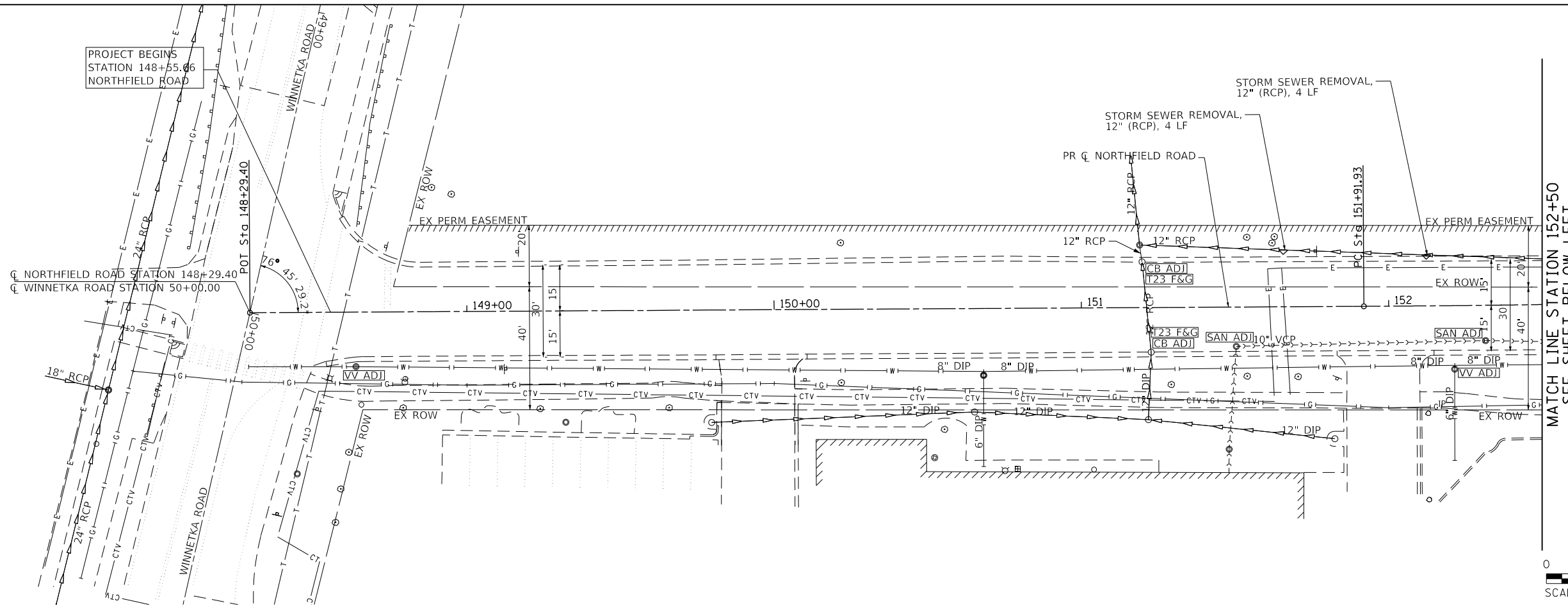
NORTHFIELD ROAD WINNETKA ROAD TO WILLOW ROAD EROSION CONTROL PLANS			
SCALE: 1"=20'	SHEET 2 OF 3 SHEETS	STA. 157+50.00 TO STA. 167+75.00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-R5	COOK	98	31
				CONTRACT NO. 61F49
ILLINOIS FED. AID PROJECT				



PLAN	SURVEYED	BY	DATE
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	ALLOWED		
	FILE NAME		
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PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO.		



**TranSystems**  
 1475 EAST WOODFIELD ROAD, SUITE 600  
 SCHAMBERG, ILLINOIS 60173  
 (847) 605-9600

FILE NAME = Invalid expression	USER NAME = Mibeering	DESIGNED - CEC	REVISED -
Default	PLOT SCALE = 50 SCALE	DRAWN - MLB	REVISED -
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		DATE - 11/26/2018	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

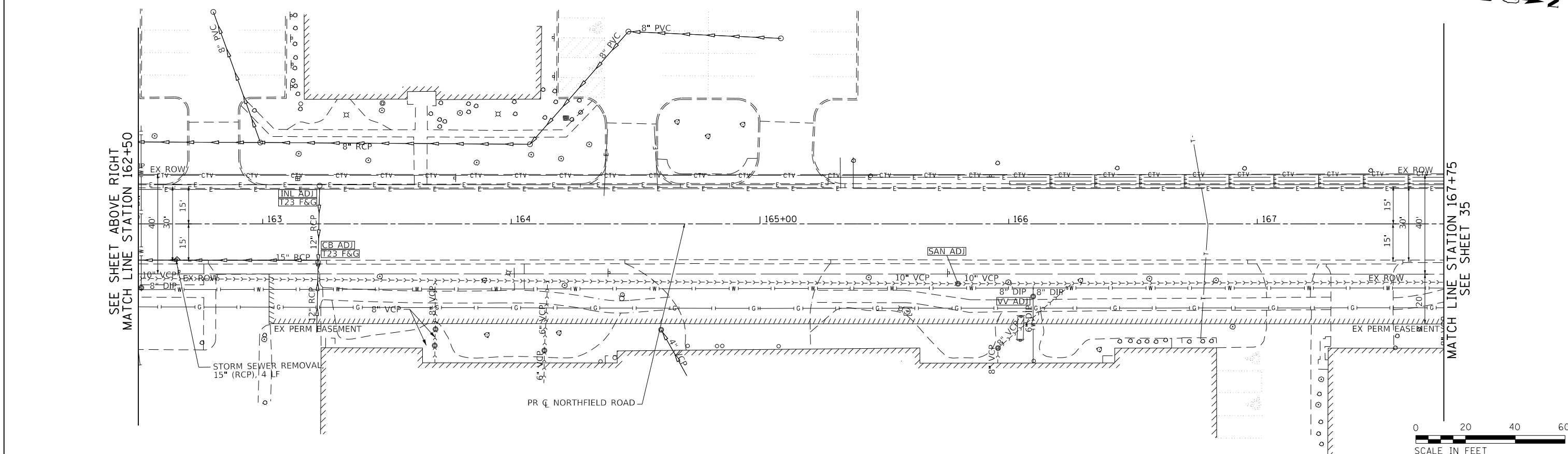
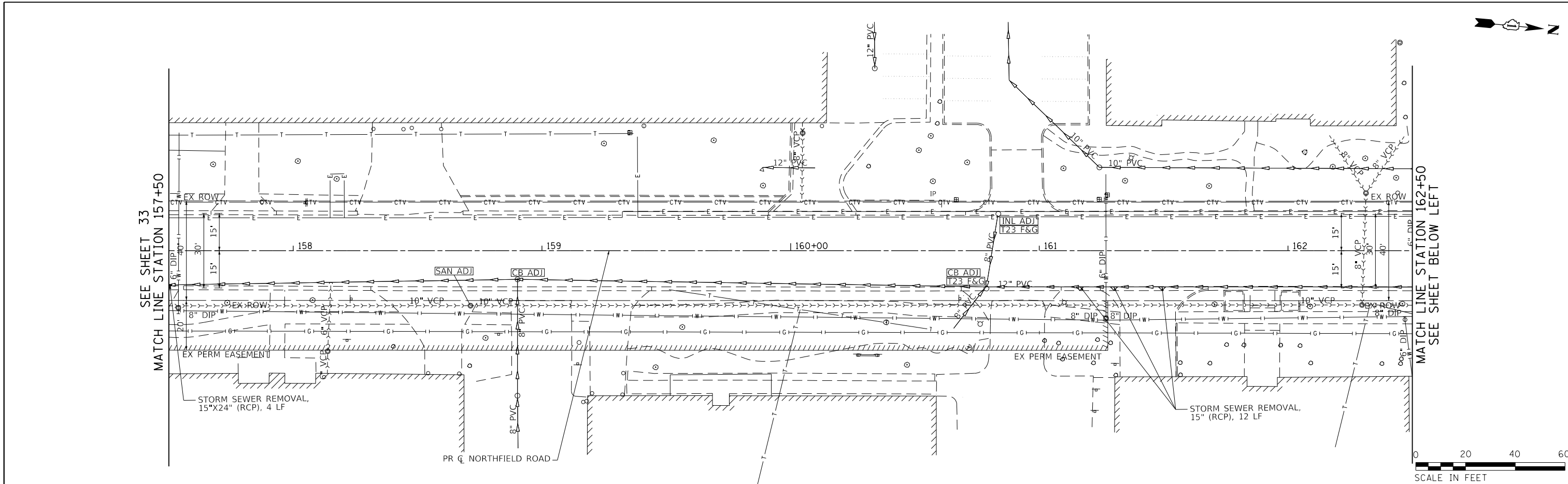
<b>NORTHFIELD ROAD    WINNETKA ROAD TO WILLOW ROAD    DRAINAGE REMOVAL PLANS</b>			
SCALE: 1"=20'	SHEET 1 OF 3 SHEETS	STA. 148+55.66 TO STA. 157+50.00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-R5	COOK	98	33
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61F49	

PLAN	SURVEYED	BY	DATE
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	CHECKED		
	GRADES		
	STRUCTURE		
	NOTATIONS		
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FILE NAME =	USER NAME = Mibeering	DESIGNED - CEC	REVISED -
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Default		PLOT SCALE = 50 SCALE	REVISED -
		PLOT DATE = 11/21/2018	REVISED -
		DATE = 11/26/2018	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**NORTHFIELD ROAD  
 WINNETKA ROAD TO WILLOW ROAD  
 DRAINAGE REMOVAL PLANS**

SCALE: 1"=20' SHEET 2 OF 3 SHEETS STA. 157+50.00 TO STA. 167+75.00

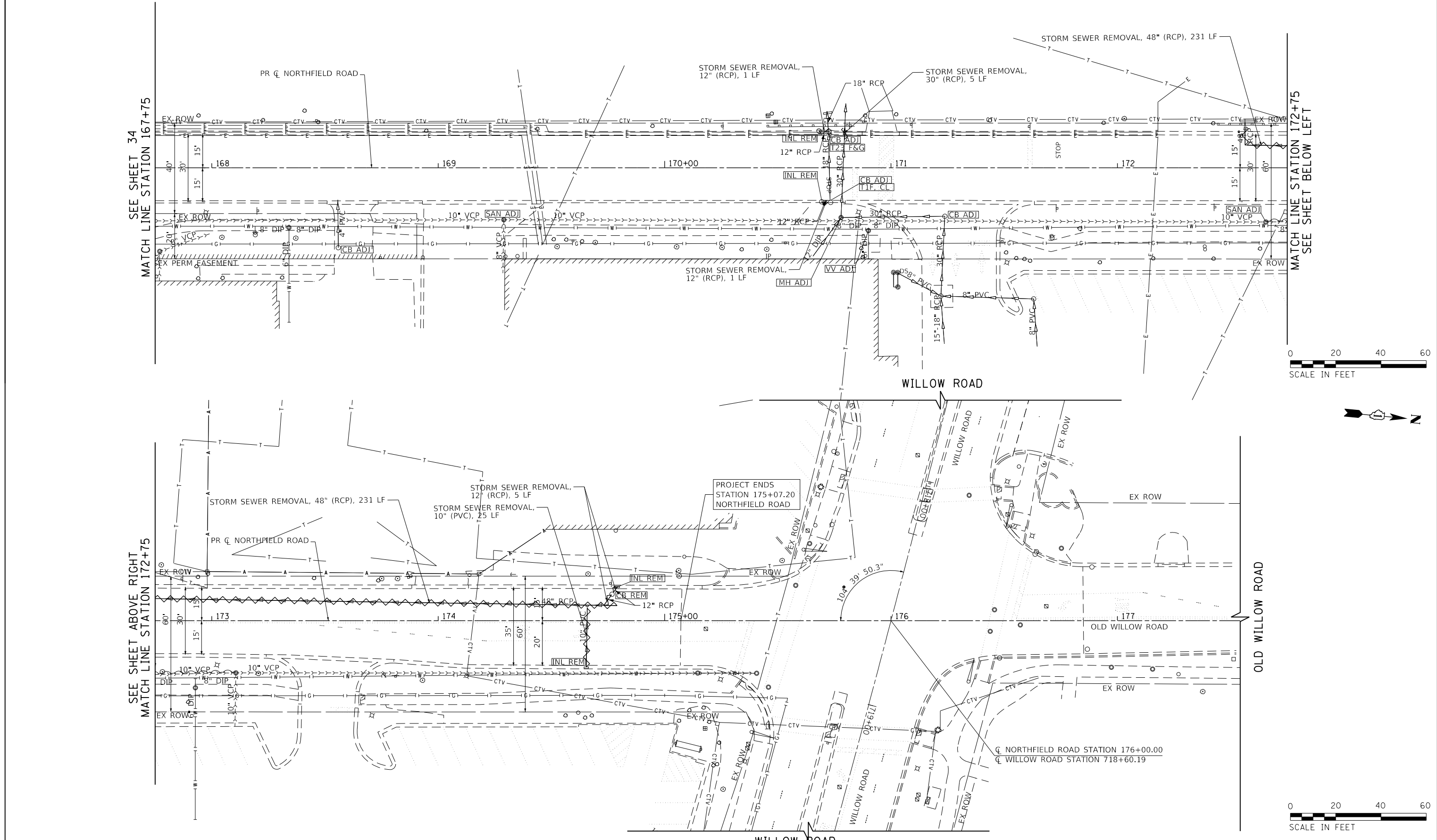
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1039	16-00053-00-R5	COOK	98	34
				CONTRACT NO. 61F49
ILLINOIS FED. AID PROJECT				



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	NO. _____		
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SEE SHEET 34  
 MATCH LINE STATION 167+75

SEE SHEET ABOVE RIGHT  
 MATCH LINE STATION 172+75

MATCH LINE STATION 172+75  
 SEE SHEET BELOW LEFT



FILE NAME =	USER NAME = Mibeering	DESIGNED - CEC	REVISED -
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	PLOT DATE = 11/21/2018	DATE - 11/26/2018	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

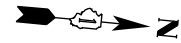
**NORTHFIELD ROAD  
 WINNETKA ROAD TO WILLOW ROAD  
 DRAINAGE REMOVAL PLANS**

SCALE: 1"=20' SHEET 3 OF 3 SHEETS STA. 167+75.00 TO STA. 175+07.20

F.A.U. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-R5	COOK	98	35
				CONTRACT NO. 61F49
ILLINOIS FED. AID PROJECT				

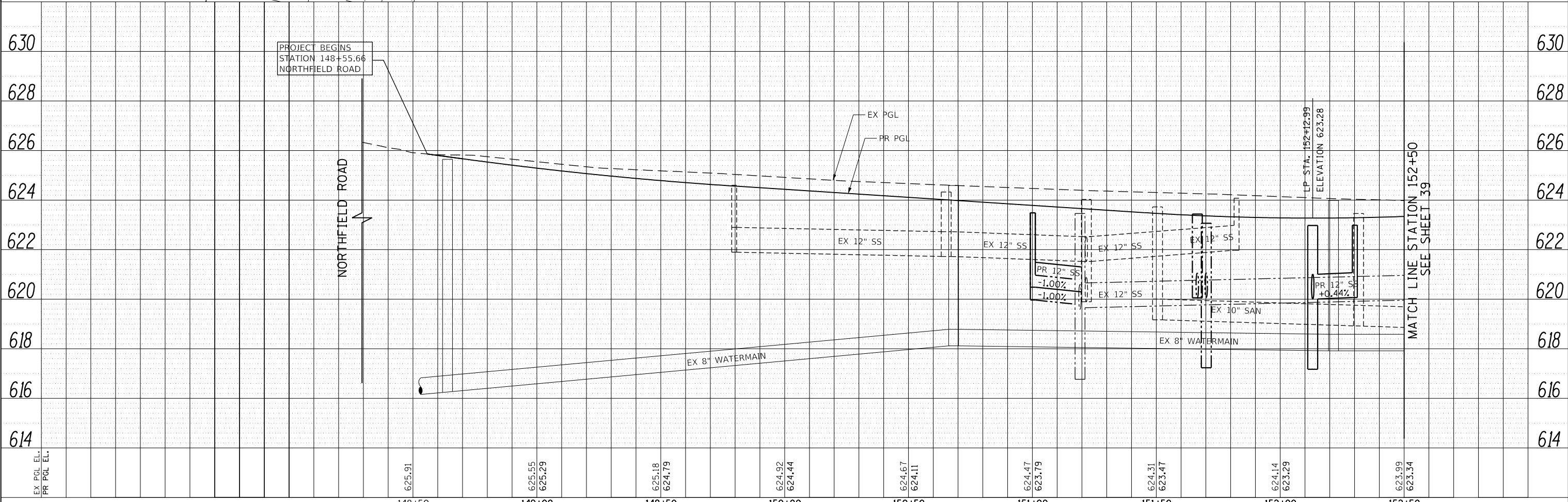
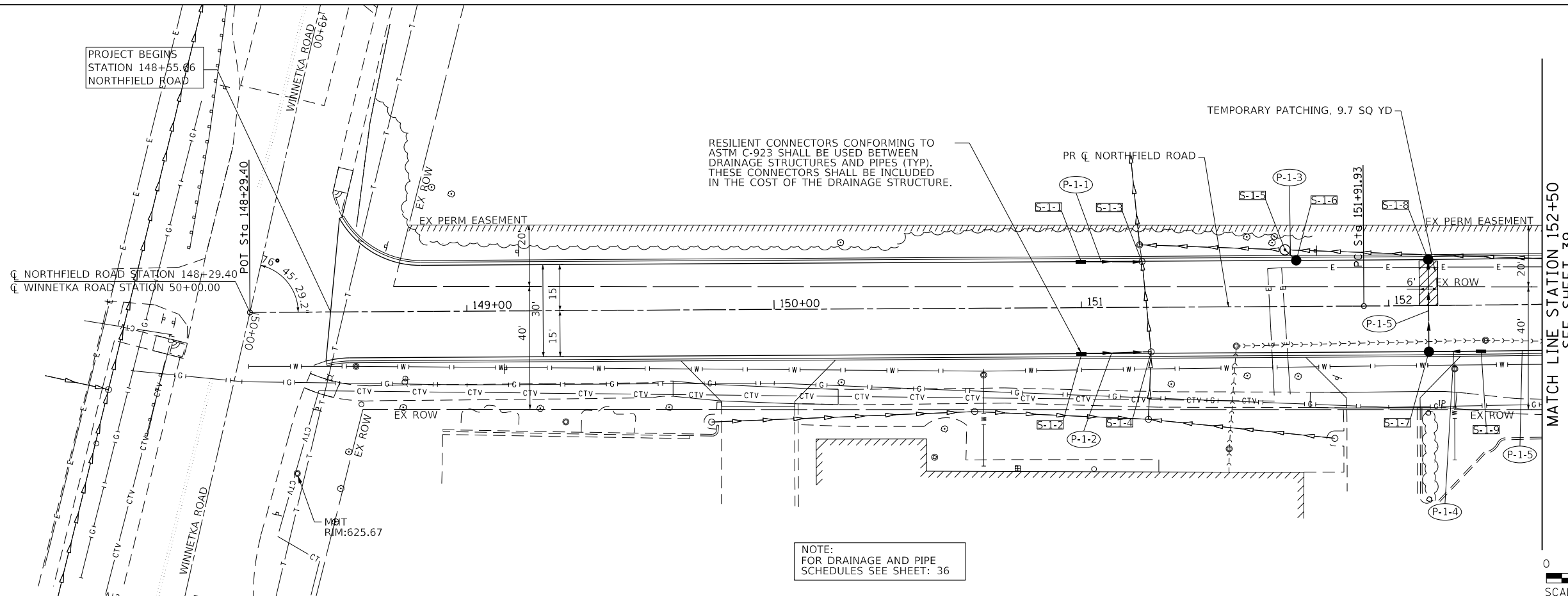






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	GRADES		
	STRUCTURE		
	NOTATIS		
	CHFD		
	NO.		



FILE NAME =	USER NAME = ttpelarios	DESIGNED - CEC	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>NORTHFIELD ROAD</b> <b>WINNETKA ROAD TO WILLOW ROAD</b> <b>DRAINAGE AND UTILITY PLANS</b>	F.A.U. RTE. 1039	SECTION 16-00053-00-R5	COUNTY COOK	TOTAL SHEETS 98	SHEET NO. 38		
Invalid expression	PLOT SCALE = 50 SCALE	CHECKED - DWB	REVISED -			SCALE: 1"=20'	SHEET 3 OF 8 SHEETS	STA. 148+55.66	TO STA. 152+50.00	CONTRACT NO. 61F49		
Default	PLOT DATE = 11/27/2018	DATE - 11/26/2018	REVISED -			ILLINOIS FED. AID PROJECT						

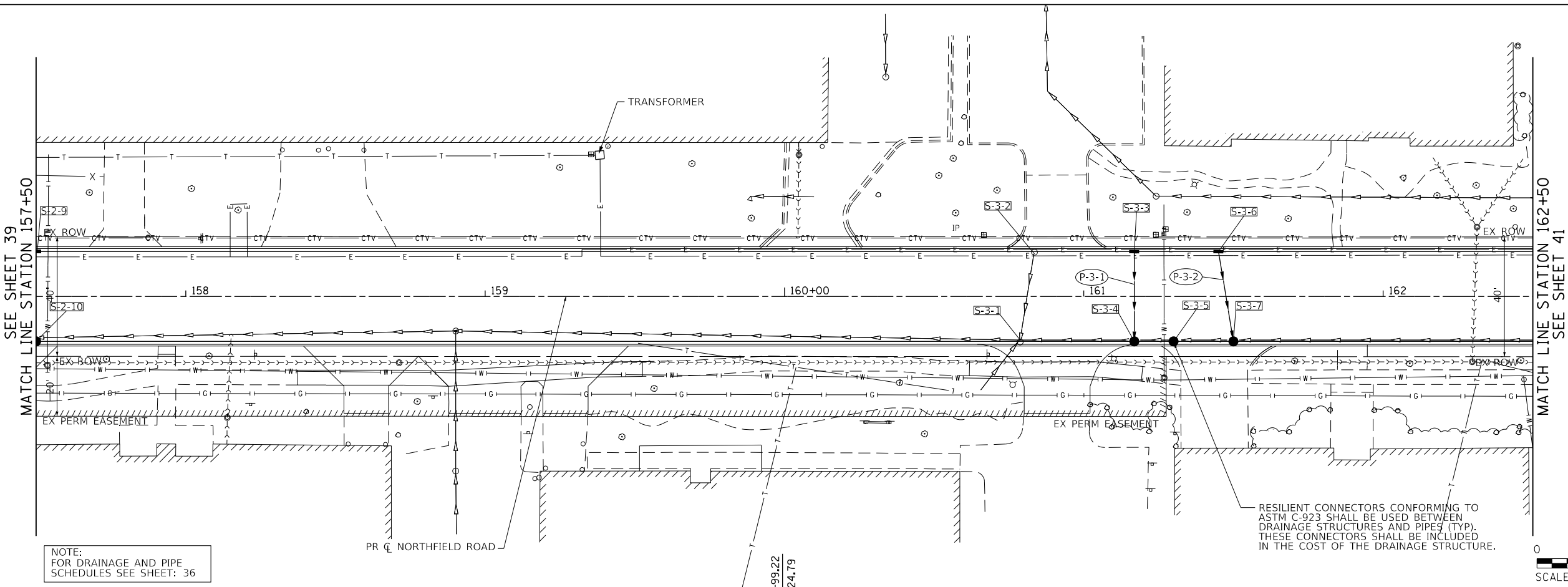
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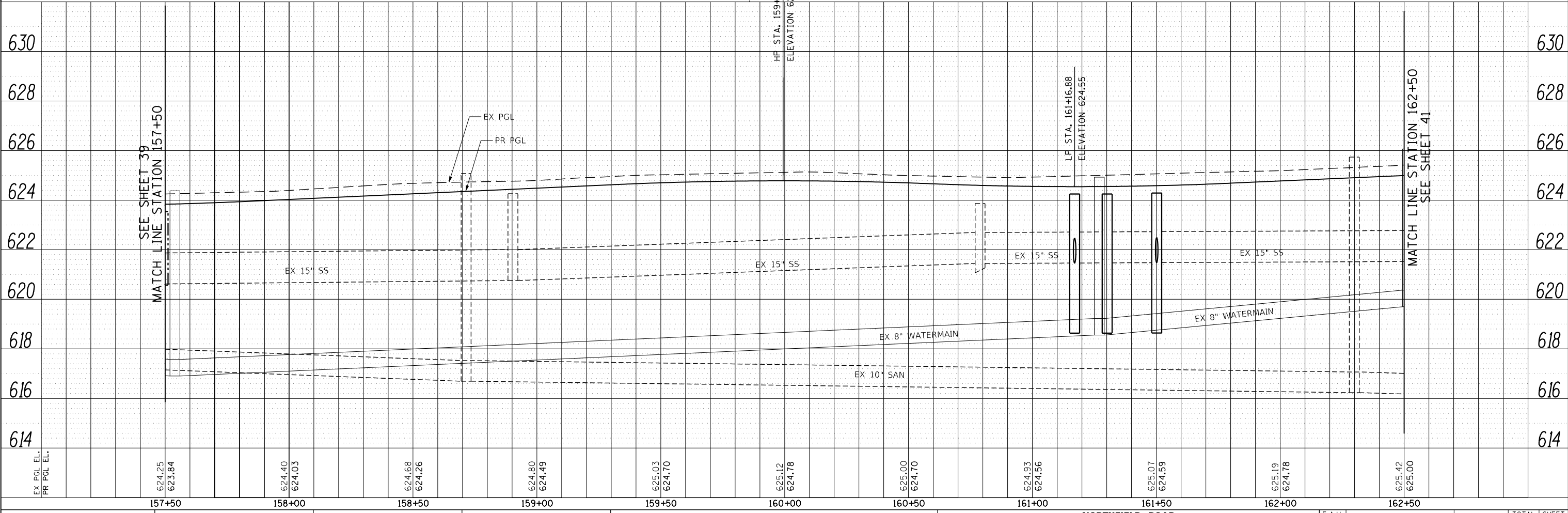
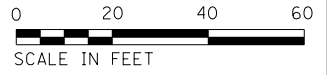
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PROFILE	SURVEYED	BY	DATE
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	CHECKED		
	STRUCTURE		
	NOTATIONS		
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	NO.		

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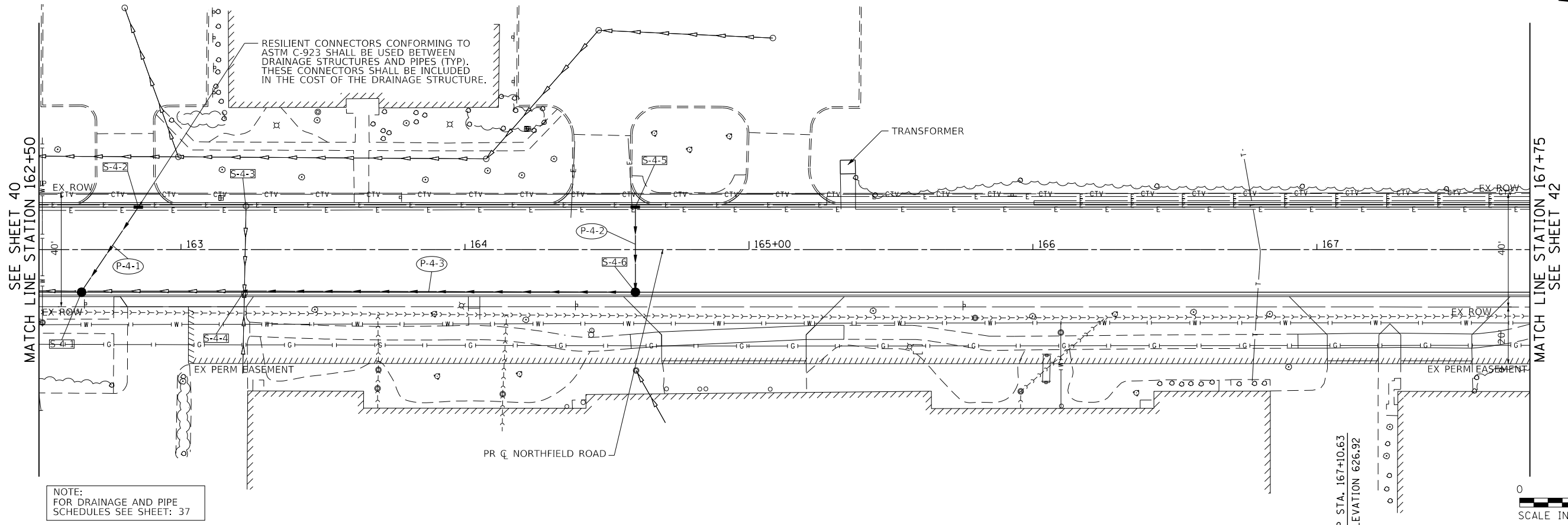


NOTE:  
 FOR DRAINAGE AND PIPE  
 SCHEDULES SEE SHEET: 36



FILE NAME =	USER NAME = ttpelarios	DESIGNED - CEC	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>NORTHFIELD ROAD</b> <b>WINNETKA ROAD TO WILLOW ROAD</b> <b>DRAINAGE AND UTILITY PLANS</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Invalid expression		DRAWN - MLB	REVISED -			1039	16-00053-00-R5	COOK	98	40	
Default		CHECKED - DWB	REVISED -			CONTRACT NO. 61F49					
		DATE - 11/26/2018	REVISED -			ILLINOIS FED. AID PROJECT					

SCALE: 1"=20' SHEET 5 OF 8 SHEETS STA. 157+50.00 TO STA. 162+50.00

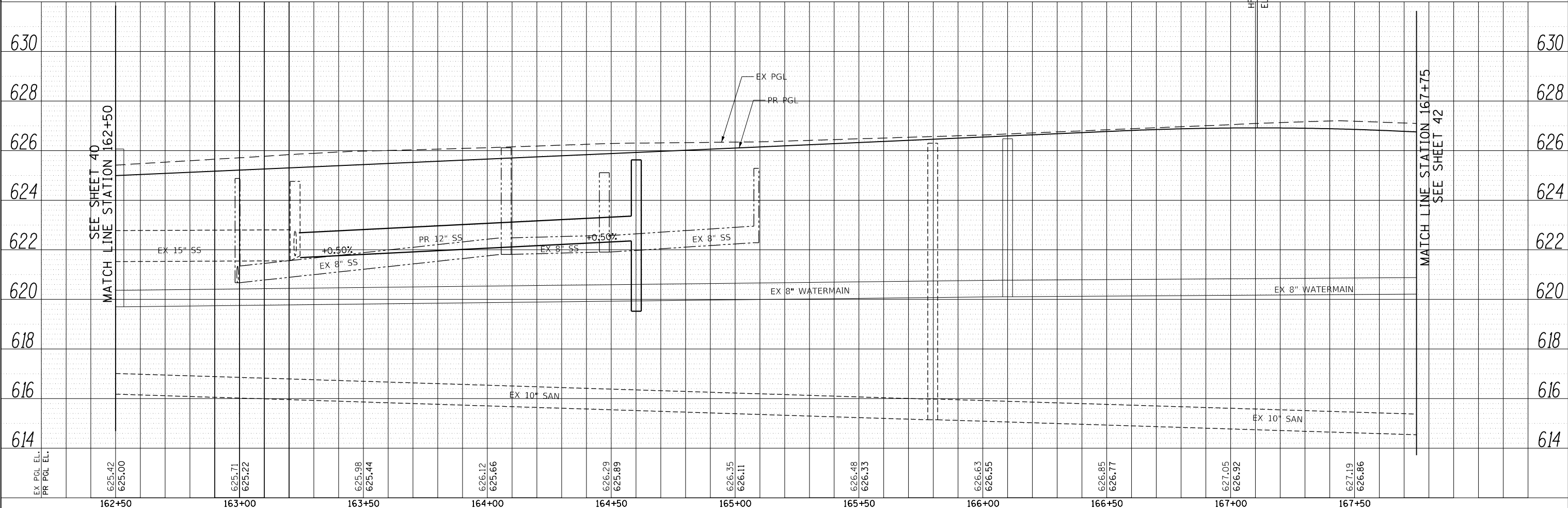


NOTE:  
FOR DRAINAGE AND PIPE  
SCHEDULES SEE SHEET: 37



PLAN	SURVEYED	BY	DATE
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	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	FILE NAME		



EX PGL EL.	625.42	625.71	625.98	626.12	626.29	626.35	626.48	626.63	626.85	627.05	627.19	630
PR PGL EL.	625.00	625.22	625.44	625.66	625.89	626.11	626.33	626.55	626.77	626.92	626.86	628
	162+50	163+00	163+50	164+00	164+50	165+00	165+50	166+00	166+50	167+00	167+50	626
												624
												622
												620
												618
												616
												614

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FILE NAME =	USER NAME = ttpelarinos	DESIGNED - CEC	REVISED -
Invalid expression'		DRAWN - MLB	REVISED -
Default	PLOT SCALE = 50 SCALE	CHECKED - DWB	REVISED -
	PLOT DATE = 11/27/2018	DATE - 11/26/2018	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>NORTHFIELD ROAD</b>	
<b>WINNETKA ROAD TO WILLOW ROAD</b>	
<b>DRAINAGE AND UTILITY PLANS</b>	
SCALE: 1"=20'	SHEET 6 OF 8 SHEETS
STA. 162+50.00 TO STA. 167+75.00	

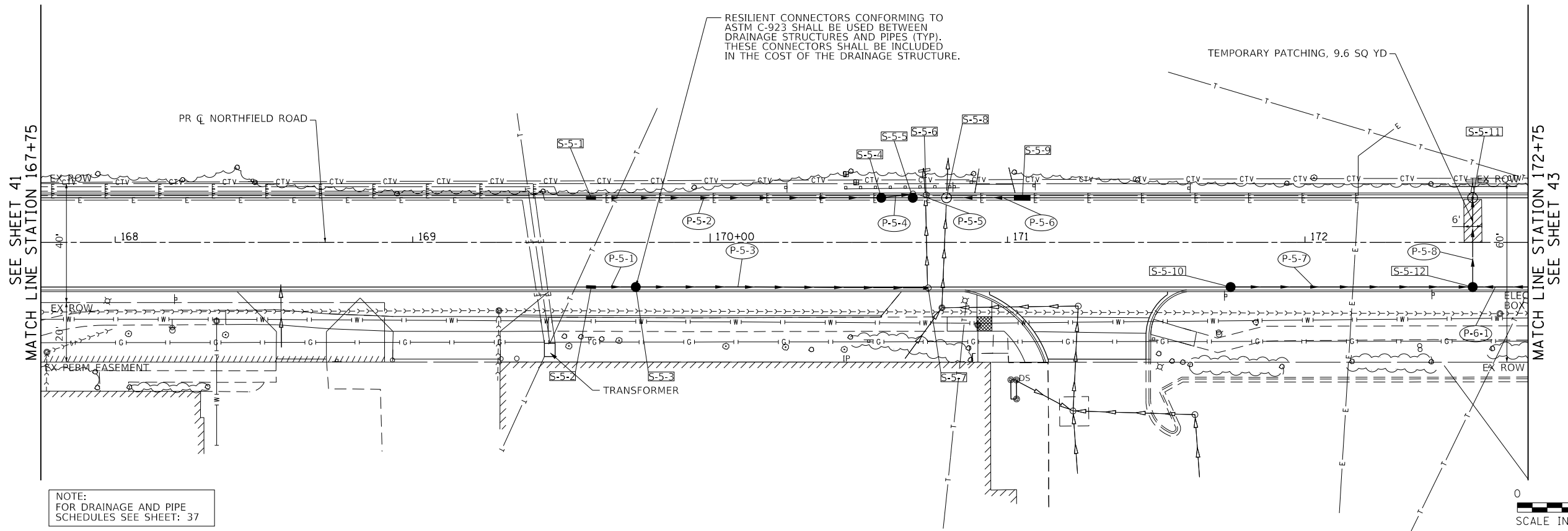
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-R5	COOK	98	41
CONTRACT NO. 61F49				
ILLINOIS FED. AID PROJECT				



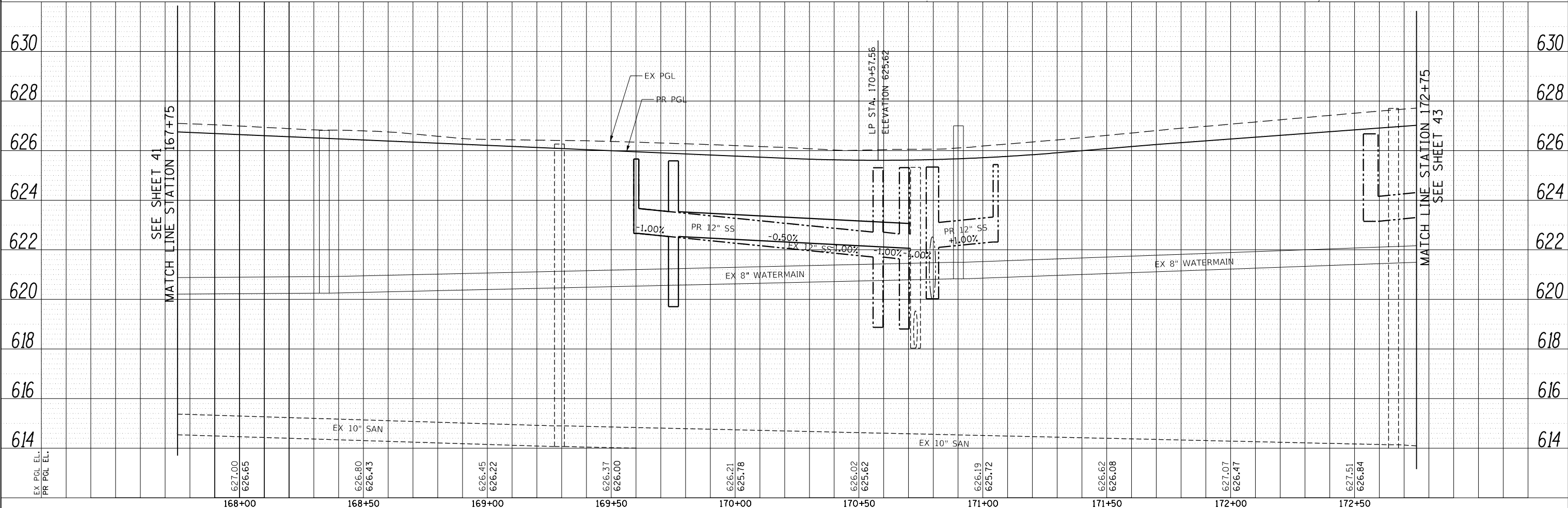


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	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
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NOTE:  
FOR DRAINAGE AND PIPE  
SCHEDULES SEE SHEET: 37



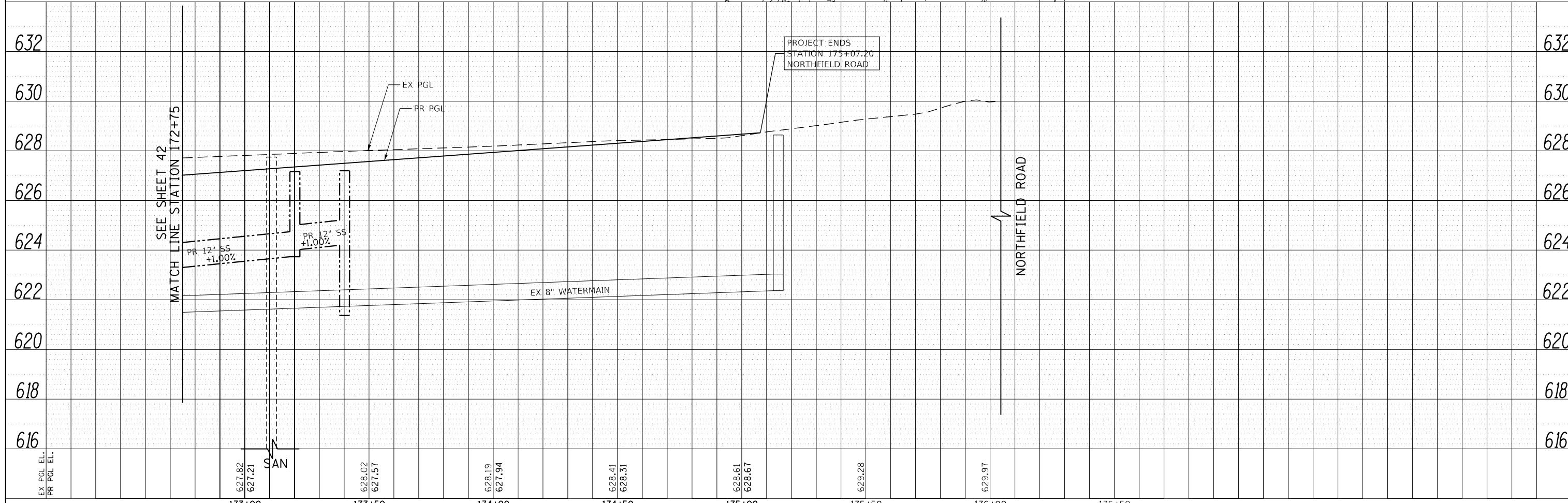
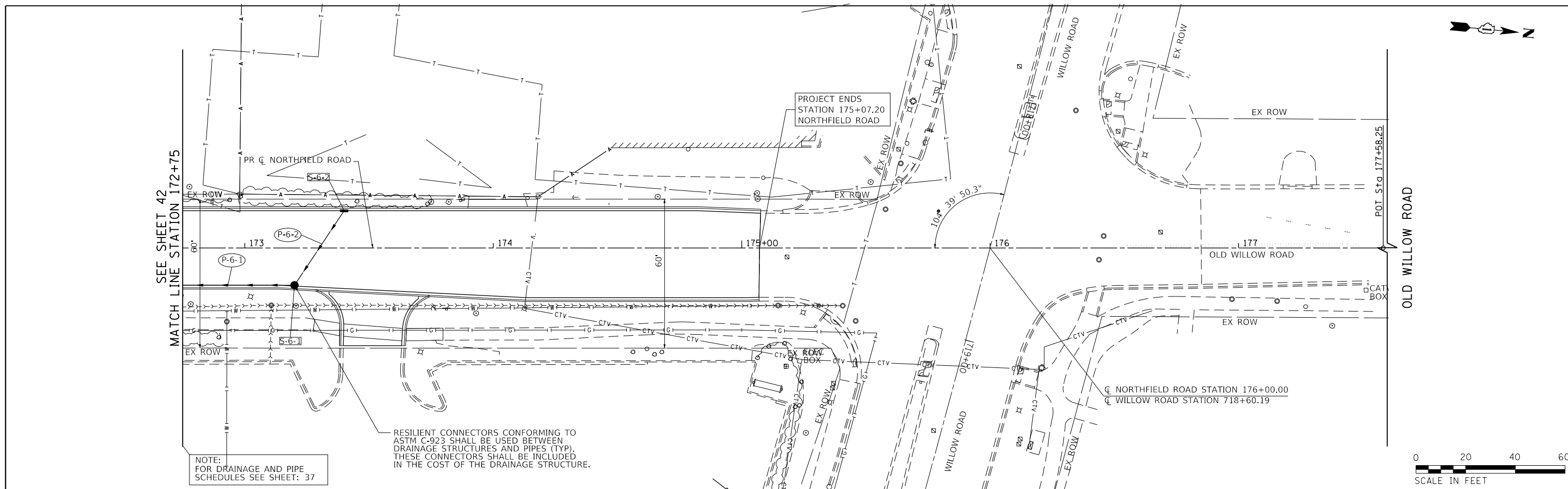
FILE NAME =	USER NAME = ttpelarinos	DESIGNED - CEC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>NORTHFIELD ROAD WINNETKA ROAD TO WILLOW ROAD DRAINAGE AND UTILITY PLANS</b>		F.A.U. RTE. 1039	SECTION 16-00053-00-R5	COUNTY COOK	TOTAL SHEETS 98	SHEET NO. 42	
Invalid expression	PLOT SCALE = 50 SCALE	DRAWN - MLB	REVISED -		SCALE: 1"=20'	SHEET 7 OF 8 SHEETS	STA. 167+75.00 TO STA. 172+75.00	CONTRACT NO. 61F49		ILLINOIS FED. AID PROJECT		
Default	PLOT DATE = 11/27/2018	CHECKED - DWB	REVISED -									
		DATE - 11/26/2018	REVISED -									

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SCHAMBERG, ILLINOIS 60173  
(847) 605-9600

PLAN	SURVEYED	BY	DATE
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PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHKD		
	NO.		

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FILE NAME =	USER NAME = ttpelarios	DESIGNED - CEC	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>NORTHFIELD ROAD</b> <b>WINNETKA ROAD TO WILLOW ROAD</b> <b>DRAINAGE AND UTILITY PLANS</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Invalid expression		DRAWN - MLB	REVISED -			1039	16-00053-00-R5	COOK	98	43	
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	PLOT DATE = 11/27/2018	DATE - 11/26/2018	REVISED -			ILLINOIS FED. AID PROJECT					

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

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	GRADES CHECKED	BY
	STRUCTURE	
	NOTATIONS CHKD	

**A. REFERENCED SPECIFICATIONS**

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE FOLLOWING, EXCEPT AS MODIFIED HEREIN OR ON THE PLANS:  
 \* STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION), BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT SS) FOR ALL IMPROVEMENTS EXCEPT SANITARY SEWER AND WATER MAIN CONSTRUCTION;  
 \* STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, LATEST EDITION (SSWS) FOR SANITARY SEWER AND WATER MAIN CONSTRUCTION;  
 \* VILLAGE OF NORTHFIELD MUNICIPAL CODE;  
 \* THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO (MWRD) WATERSHED MANAGEMENT ORDINANCE AND TECHNICAL GUIDANCE MANUAL;  
 \* IN CASE OF CONFLICT BETWEEN THE APPLICABLE ORDINANCES NOTED, THE MORE STRINGENT SHALL TAKE PRECEDENCE AND SHALL CONTROL ALL CONSTRUCTION.

**B. NOTIFICATIONS**

- THE MWRD LOCAL SEWER SYSTEMS SECTION FIELD OFFICE MUST BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO THE COMMENCEMENT OF ANY WORK (CALL 708-588-4055).
- THE VILLAGE OF NORTHFIELD ENGINEERING DEPARTMENT AND PUBLIC MUST BE NOTIFIED AT LEAST 24 HOURS PRIOR TO THE START OF CONSTRUCTION AND PRIOR TO EACH PHASE OF WORK. CONTRACTOR SHALL DETERMINE ITEMS REQUIRING INSPECTION PRIOR TO START OF CONSTRUCTION OR EACH WORK PHASE.
- THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION FOR THE EXACT LOCATIONS OF UTILITIES AND FOR THEIR PROTECTION DURING CONSTRUCTION. IF EXISTING UTILITIES ARE ENCOUNTERED THAT CONFLICT IN LOCATION WITH NEW CONSTRUCTION, IMMEDIATELY NOTIFY THE ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED. CALL J.U.L.I.E. AT 1-800-892-0123.

**C. GENERAL NOTES**

- ALL ELEVATIONS SHOWN ON PLANS REFERENCE THE NATIONAL GEODETIC VERTICAL DATUM OF 1988 (NGVD88).
- MWRD, THE MUNICIPALITY AND THE OWNER OR OWNER'S REPRESENTATIVE SHALL HAVE THE AUTHORITY TO INSPECT, APPROVE, AND REJECT THE CONSTRUCTION IMPROVEMENTS.
- THE CONTRACTOR(S) SHALL INDEMNIFY THE OWNER, ENGINEER, MUNICIPALITY, MWRD, AND THEIR AGENTS, ETC., FROM ALL LIABILITY INVOLVED WITH THE CONSTRUCTION, INSTALLATION, OR TESTING OF THIS WORK ON THE PROJECT.
- THE PROPOSED IMPROVEMENTS MUST BE CONSTRUCTED IN ACCORDANCE WITH THE ENGINEERING PLANS AS APPROVED BY MWRD AND THE MUNICIPALITY UNLESS CHANGES ARE APPROVED BY MWRD, THE MUNICIPALITY, OR AUTHORIZED AGENT. THE CONSTRUCTION DETAILS, AS PRESENTED ON THE PLANS, MUST BE FOLLOWED. PROPER CONSTRUCTION TECHNIQUES MUST BE FOLLOWED ON THE IMPROVEMENTS INDICATED ON THE PLANS.
- THE LOCATION OF VARIOUS UNDERGROUND UTILITIES WHICH ARE SHOWN ON THE PLANS ARE FOR INFORMATION ONLY AND REPRESENT THE BEST KNOWLEDGE OF THE ENGINEER. VERIFY LOCATIONS AND ELEVATIONS PRIOR TO BEGINNING THE CONSTRUCTION OPERATIONS.
- ANY EXISTING PAVEMENT, SIDEWALK, DRIVEWAY, ETC., DAMAGED DURING CONSTRUCTION OPERATIONS AND NOT CALLED FOR TO BE REMOVED SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
- MATERIAL AND COMPACTION TESTING SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE MUNICIPALITY, MWRD, AND OWNER.
- THE UNDERGROUND CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS TO NOTIFY ALL INSPECTION AGENCIES.
- ALL NEW AND EXISTING UTILITY STRUCTURES ON SITE AND IN AREAS DISTURBED DURING CONSTRUCTION SHALL BE ADJUSTED TO FINISH GRADE PRIOR TO FINAL INSPECTION.
- RECORD DRAWINGS SHALL BE KEPT BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER AS SOON AS UNDERGROUND IMPROVEMENTS ARE COMPLETED. FINAL PAYMENTS TO THE CONTRACTOR SHALL BE HELD UNTIL THEY ARE RECEIVED. ANY CHANGES IN LENGTH, LOCATION OR ALIGNMENT SHALL BE SHOWN IN RED. ALL WYES OR BENDS SHALL BE LOCATED FROM THE DOWNSTREAM MANHOLE. ALL VALVES, B-BOXES, TEES OR BENDS SHALL BE TIED TO A FIRE HYDRANT.

**D. SANITARY SEWER**

- THE CONTRACTOR SHALL TAKE MEASURES TO PREVENT ANY POLLUTED WATER, SUCH AS GROUND AND SURFACE WATER, FROM ENTERING THE EXISTING SANITARY SEWERS.
- A WATER-TIGHT PLUG SHALL BE INSTALLED IN THE DOWNSTREAM SEWER PIPE AT THE POINT OF SEWER CONNECTION PRIOR TO COMMENCING ANY SEWER CONSTRUCTION. THE PLUG SHALL REMAIN IN PLACE UNTIL REMOVAL IS AUTHORIZED BY THE MUNICIPALITY AND/OR MWRD AFTER THE SEWERS HAVE BEEN TESTED AND ACCEPTED.
- DISCHARGING ANY UNPOLLUTED WATER INTO THE SANITARY SEWER SYSTEM FOR THE PURPOSE OF SEWER FLUSHING OF LINES FOR THE DEFLECTION TEST SHALL BE PROHIBITED WITHOUT PRIOR APPROVAL FROM THE MUNICIPALITY OR MWRD.
- ALL SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS (LATEST EDITION).
- ALL FLOOR DRAINS SHALL DISCHARGE TO THE SANITARY SEWER SYSTEM.
- ALL DOWNSPOUTS AND FOOTING DRAINS SHALL DISCHARGE TO THE STORM SEWER SYSTEM.
- ALL SANITARY SEWER PIPE MATERIALS AND JOINTS (AND STORM SEWER PIPE MATERIALS AND JOINTS IN A COMBINED SEWER AREA) SHALL CONFORM TO THE FOLLOWING:

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
VITRIFIED CLAY PIPE	ASTM C-700	ASTM C-425
REINFORCED CONCRETE SEWER PIPE	ASTM C-76	ASTM C-443
CAST IRON SOIL PIPE	ASTM A-74	ASTM C-564
DUCTILE IRON PIPE	ANSI A21.51	ANSI A21.11
POLYVINYL CHLORIDE (PVC) PIPE 6-INCH TO 15-INCH DIAMETER SDR 26 18-INCH TO 27-INCH DIAMETER F/DY=46	ASTM D-3034 ASTM F-679	ASTM D-3212 ASTM D-3212
HIGH DENSITY POLYETHYLENE (HDPE)	ASTM D-3350 ASTM D-3035	ASTM D-3261,F-2620 (HEAT FUSION) ASTM D-3212,F-477 (GASKETED)
WATER MAIN QUALITY PVC 4-INCH TO 36-INCH 4-INCH TO 12-INCH 14-INCH TO 48-INCH	ASTM D-2241 AWWA C900 AWWA C905	ASTM D-3139 ASTM D-3139 ASTM D-3139

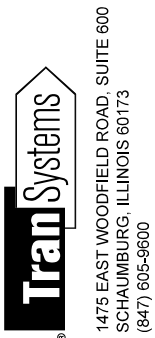
THE FOLLOWING MATERIALS ARE ALLOWED ON A QUALIFIED BASIS SUBJECT TO DISTRICT REVIEW AND APPROVAL PRIOR TO PERMIT ISSUANCE. A SPECIAL CONDITION WILL BE ADDED TO THE PERMIT WHEN THE PIPE MATERIAL BELOW IS USED FOR SEWER CONSTRUCTION OR A CONNECTION IS MADE.

PIPE MATERIAL	PIPE SPECIFICATIONS	JOINT SPECIFICATIONS
POLYPROPYLENE (PP) PIPE		
12-INCH TO 24-INCH DOUBLE WALL	ASTM F-2736	D-3212, F-477
30-INCH TO 60-INCH TRIPLE WALL	ASTM F-2764	D3212, F-477

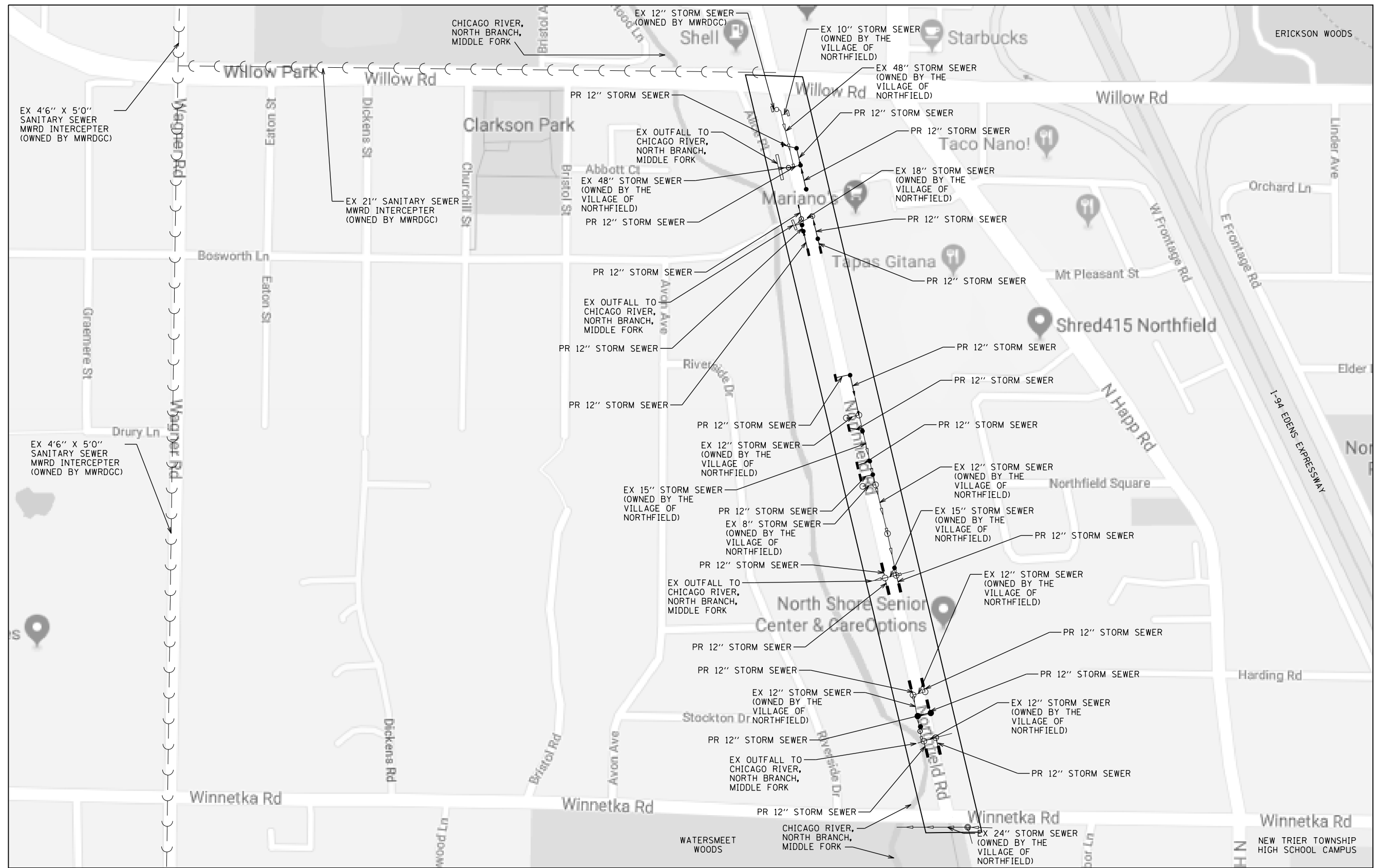
- ALL SANITARY SEWER CONSTRUCTION (AND STORM SEWER CONSTRUCTION IN COMBINED SEWER AREAS), REQUIRES STONE BEDDING WITH STONE 1/4" TO 1" IN SIZE, WITH MINIMUM BEDDING THICKNESS EQUAL TO 1/4 THE OUTSIDE DIAMETER OF THE SEWER PIPE, BUT NOT LESS THAN FOUR (4) INCHES NOR MORE THAN EIGHT (8) INCHES. MATERIAL SHALL BE CA-7, CA-11 OR CA-13 AND SHALL BE EXTENDED AT LEAST 12" ABOVE THE TOP OF THE PIPE WHEN USING PVC.
- NON-SHEAR FLEXIBLE-TYPE COUPLINGS SHALL BE USED IN THE CONNECTION OF SEWER PIPES OF DISSIMILAR PIPE MATERIALS.
- ALL MANHOLES SHALL BE PROVIDED WITH BOLTED, WATERTIGHT COVERS. SANITARY LIDS SHALL BE CONSTRUCTED WITH A CONCEALED PICKHOLE AND WATERTIGHT GASKET WITH THE WORD "SANITARY" CAST INTO THE LID.
- WHEN CONNECTING TO AN EXISTING SEWER MAIN BY MEANS OTHER THAN AN EXISTING WYE, TEE, OR AN EXISTING MANHOLE, ONE OF THE FOLLOWING METHODS SHALL BE USED:  
 a) A CIRCULAR SAW-CUT OF SEWER MAIN BY PROPER TOOLS AND PROPER INSTALLATION OF HUBWYE SADDLE OR HUB-TEE SADDLE.  
 b) REMOVE AN ENTIRE SECTION OF PIPE (BREAKING ONLY THE TOP OF ONE BELL) AND REPLACE WITH A WYE OR TEE BRANCH SECTION.  
 c) WITH PIPE CUTTER, NEATLY AND ACCURATELY CUT OUT DESIRED LENGTH OF PIPE FOR INSERTION OF PROPER FITTING, USING "BAND SEAL" OR SIMILAR COUPLINGS TO HOLD IT FIRMLY IN PLACE.
- WHENEVER A SANITARY/COMBINED SEWER CROSSES UNDER A WATERMAIN, THE MINIMUM VERTICAL DISTANCE FROM THE TOP OF THE SEWER TO THE BOTTOM OF THE WATERMAIN SHALL BE 18 INCHES. FURTHERMORE, A MINIMUM HORIZONTAL DISTANCE OF 10 FEET BETWEEN SANITARY/COMBINED SEWERS AND WATERMANS SHALL BE MAINTAINED UNLESS; THE SEWER IS LAID IN A SEPARATE TRENCH, KEEPING A MINIMUM 18" VERTICAL SEPARATION; OR THE SEWER IS LAID IN THE SAME TRENCH WITH THE WATERMAIN LOCATED AT THE OPPOSITE SIDE ON A BENCH OF UNDISTURBED EARTH, KEEPING A MINIMUM 18" VERTICAL SEPARATION. IF EITHER THE VERTICAL OR HORIZONTAL DISTANCES DESCRIBED CANNOT BE MAINTAINED, OR THE SEWER CROSSES ABOVE THE WATER MAIN, THE SEWER SHALL BE CONSTRUCTED TO WATER MAIN STANDARDS OR IT SHALL BE ENCASED WITH A WATER MAIN QUALITY CARRIER PIPE WITH THE ENDS SEALED.
- ALL EXISTING SEPTIC SYSTEMS SHALL BE ABANDONED. ABANDONED TANKS SHALL BE FILLED WITH GRANULAR MATERIAL OR REMOVED.
- ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE A MINIMUM INSIDE DIAMETER OF 48 INCHES, AND SHALL BE CAST IN PLACE OR PRE-CAST REINFORCED CONCRETE.
- ALL SANITARY MANHOLES, (AND STORM MANHOLES IN COMBINED SEWER AREAS), SHALL HAVE PRECAST "RUBBER BOOTS" THAT CONFORM TO ASTM C-923 FOR ALL PIPE CONNECTIONS. PRECAST SECTIONS SHALL CONSIST OF MODIFIED GROOVE TONGUE AND RUBBER GASKET TYPE JOINTS.
- ALL ABANDONED SANITARY SEWERS SHALL BE PLUGGED AT BOTH ENDS WITH AT LEAST 2 FEET LONG NON-SHRINK CONCRETE OR MORTAR PLUG.
- EXCEPT FOR FOUNDATION/FOOTING DRAINS PROVIDED TO PROTECT BUILDINGS, OR PERFORATED PIPES ASSOCIATED WITH VOLUME CONTROL FACILITIES, DRAIN TILES/FIELD TILES/UNDERDRAINS/PERFORATED PIPES ARE NOT ALLOWED TO BE CONNECTED TO OR TRIBUTARY TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS IN COMBINED SEWER AREAS. CONSTRUCTION OF NEW FACILITIES OF THIS TYPE IS PROHIBITED; AND ALL EXISTING DRAIN TILES AND PERFORATED PIPES ENCOUNTERED WITHIN THE PROJECT AREA SHALL BE PLUGGED OR REMOVED, AND SHALL NOT BE CONNECTED TO COMBINED SEWERS, SANITARY SEWERS, OR STORM SEWERS TRIBUTARY TO COMBINED SEWERS.
- A BACKFLOW PREVENTER IS REQUIRED FOR ALL DETENTION BASINS TRIBUTARY TO COMBINED SEWERS. REQUIRED BACKFLOW PREVENTERS SHALL BE INSPECTED AND EXERCISED ANNUALLY BY THE PROPERTY OWNER TO ENSURE PROPER OPERATION, AND ANY NECESSARY MAINTENANCES SHALL BE PERFORMED TO ENSURE FUNCTIONALITY. IN THE EVENT OF A SEWER SURCHARGE INTO AN OPEN DETENTION BASIN TRIBUTARY TO COMBINED SEWERS, THE PERMITTEE SHALL ENSURE THAT CLEAN UP AND WASH OUT OF SEWAGE TAKES PLACE WITHIN 48 HOURS OF THE STORM EVENT.

**E. EROSION AND SEDIMENT CONTROL**

- THE CONTRACTOR SHALL INSTALL THE EROSION AND SEDIMENT CONTROL DEVICES AS SHOWN ON THE APPROVED EROSION AND SEDIMENT CONTROL PLAN.
- EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE FUNCTIONAL PRIOR TO HYDROLOGIC DISTURBANCE OF THE SITE.
- ALL DESIGN CRITERIA, SPECIFICATIONS, AND INSTALLATION OF EROSION AND SEDIMENT CONTROL PRACTICES SHALL BE IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL.
- A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- INSPECTIONS AND DOCUMENTATION SHALL BE PERFORMED, AT A MINIMUM:  
 a) UPON COMPLETION OF INITIAL EROSION AND SEDIMENT CONTROL MEASURES, PRIOR TO ANY SOIL DISTURBANCE.  
 b) ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM EVENT WITH GREATER THAN 0.5 INCH OF RAINFALL OR LIQUID EQUIVALENT PRECIPITATION.
- SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. IF STRIPPING, CLEARING, GRADING, OR LANDSCAPING ARE TO BE DONE IN PHASES, THE CO-PERMITTEE SHALL PLAN FOR APPROPRIATE SOIL EROSION AND SEDIMENT CONTROL MEASURES.
- A STABILIZED MAT OF CRUSHED STONE MEETING THE STANDARDS OF THE ILLINOIS URBAN MANUAL SHALL BE INSTALLED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
- CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE ILLINOIS URBAN MANUAL AND SHALL BE INSTALLED PRIOR TO ANY ON SITE CONSTRUCTION ACTIVITIES INVOLVING CONCRETE.
- MORTAR WASHOUT FACILITIES SHALL BE CONSTRUCTED IN ADDITION TO CONCRETE WASHOUT FACILITIES FOR ANY BRICK AND MORTAR BUILDING ENVELOPE CONSTRUCTION ACTIVITIES.
- TEMPORARY DIVERSIONS SHALL BE CONSTRUCTED AS NECESSARY TO DIRECT ALL RUNOFF FROM HYDROLOGICALLY DISTURBED AREAS TO AN APPROPRIATE SEDIMENT TRAP OR BASIN. VOLUME CONTROL FACILITIES SHALL NOT BE USED AS TEMPORARY SEDIMENT BASINS.
- DISTURBED AREAS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN SEVEN (7) DAYS.
- ALL FLOOD PROTECTION AREAS AND VOLUME CONTROL FACILITIES SHALL, AT A MINIMUM, BE PROTECTED WITH A DOUBLE-ROW OF SILT FENCE (OR EQUIVALENT).
- VOLUME CONTROL FACILITIES SHALL NOT BE CONSTRUCTED UNTIL ALL OF THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
- SOIL STOCKPILES SHALL, AT A MINIMUM, BE PROTECTED WITH PERIMETER SEDIMENT CONTROLS. SOIL STOCKPILES SHALL NOT BE PLACED IN FLOOD PROTECTION AREAS OR THEIR BUFFERS.
- EARTHEN EMBANKMENT SIDE SLOPES SHALL BE STABILIZED WITH APPROPRIATE EROSION CONTROL BLANKET.
- STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY APPROPRIATE SEDIMENT CONTROL MEASURES.
- THE CONTRACTOR SHALL EITHER REMOVE OR REPLACE ANY EXISTING DRAIN TILES AND INCORPORATE THEM INTO THE DRAINAGE PLAN FOR THE DEVELOPMENT. DRAIN TILES CANNOT BE TRIBUTARY TO A SANITARY OR COMBINED SEWER. DRAIN TILES ALLOWED IN COMBINED SEWER AREA FOR GREEN INFRASTRUCTURE PRACTICES.
- IF DEWATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION AND SEDIMENTATION. DEWATERING SYSTEMS SHOULD BE INSPECTED DAILY DURING OPERATIONAL PERIODS. THE SITE INSPECTOR MUST BE PRESENT AT THE COMMENCEMENT OF DEWATERING ACTIVITIES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TRENCH DEWATERING AND EXCAVATION FOR THE INSTALLATION OF SANITARY SEWERS, STORM SEWERS, WATERMANS AS WELL AS THEIR SERVICES AND OTHER APPURTENANCES. ANY TRENCH DEWATERING, WHICH CONTAINS SEDIMENT SHALL PASS THROUGH A SEDIMENT SETTLING POND OR EQUALLY EFFECTIVE SEDIMENT CONTROL DEVICE. ALTERNATIVES MAY INCLUDE DEWATERING INTO A SUMP PIT, FILTER BAG OR EXISTING VEGETATED UPSLOPE AREA. SEDIMENT LADEN WATERS SHALL NOT BE DISCHARGE TO WATERWAYS, FLOOD PROTECTION AREAS OR THE COMBINED SEWER SYSTEM.
- ALL PERMANENT EROSION CONTROL PRACTICES SHALL BE INITIATED WITHIN SEVEN (7) DAYS FOLLOWING THE COMPLETION OF SOIL DISTURBING ACTIVITIES.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AND REPAIRED AS NEEDED ON A YEAR-ROUND BASIS DURING CONSTRUCTION AND ANY PERIODS OF CONSTRUCTION SHUTDOWN UNTIL PERMANENT STABILIZATION IS ACHIEVED.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER PERMANENT SITE STABILIZATION.
- THE EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER, SITE INSPECTOR, OR MWRD.



FILE NAME =	USER NAME = Mlbeering	DESIGNED - CEC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>NORTHFIELD ROAD WINNETKA ROAD TO WILLOW ROAD MWRDGC GENERAL NOTES</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Invalid expression'		DRAWN - MLB	REVISED -		SCALE: N.T.S.	SHEET 1 OF 3 SHEETS	STA.	TO STA.	1039	16-00053-00-R5	COOK	98	44
Default		PLOT SCALE = 50 SCALE	CHECKED - DWB		REVISED -				CONTRACT NO. 61F49				
		PLOT DATE = 11/21/2018	DATE - 11/26/2018		REVISED -	ILLINOIS FED. AID PROJECT							



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NOTE BOOK	PLOTTED	
NO.	CHECKED	
	BY	
	DATE	

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	
NO.	STRUCTURE	
	NOT AT THIS OFFICE	

**TranSystems**  
 1475 EAST WOODFIELD ROAD, SUITE 600  
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 (847) 605-9600

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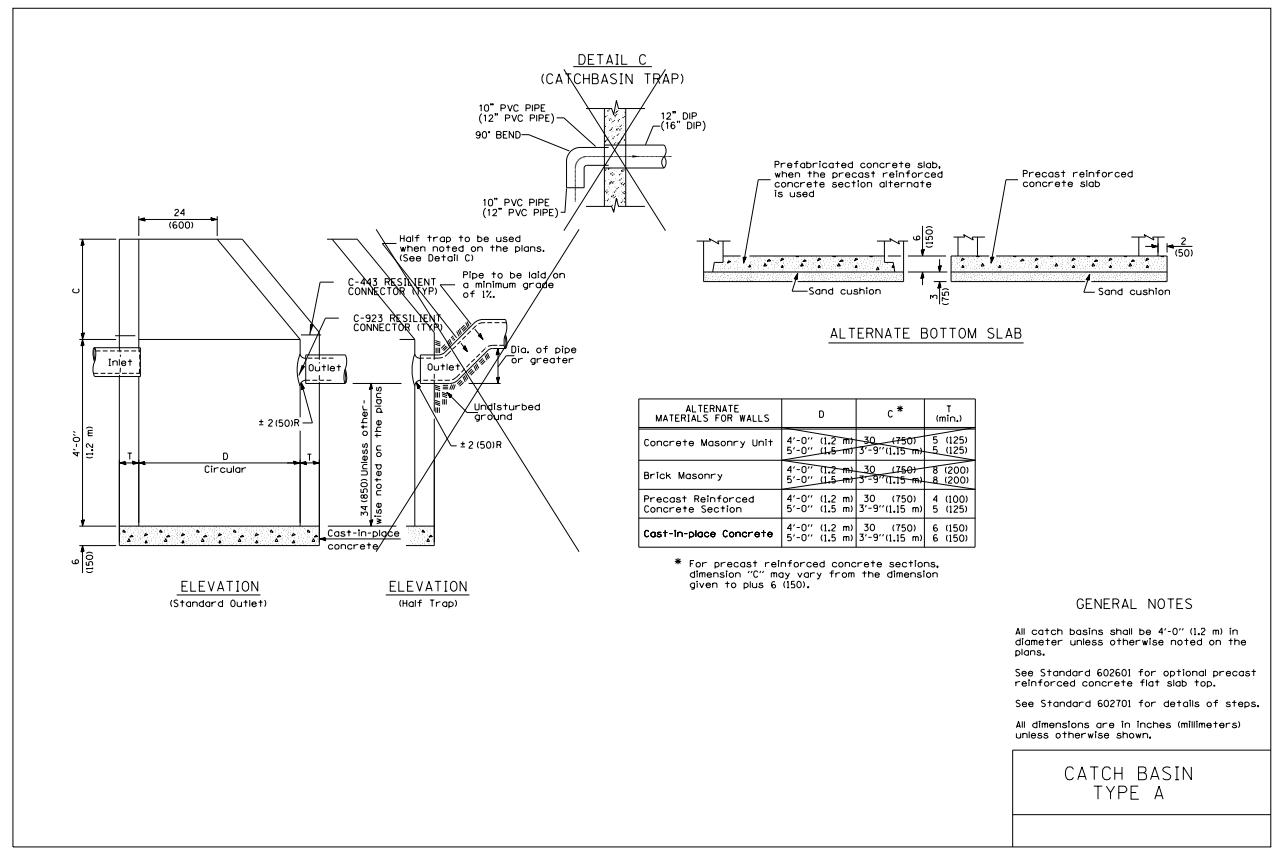
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**NORTHFIELD ROAD  
 WINNETKA AVENUE TO WILLOW ROAD  
 MWRDGC ROUTING LOCATION MAP**

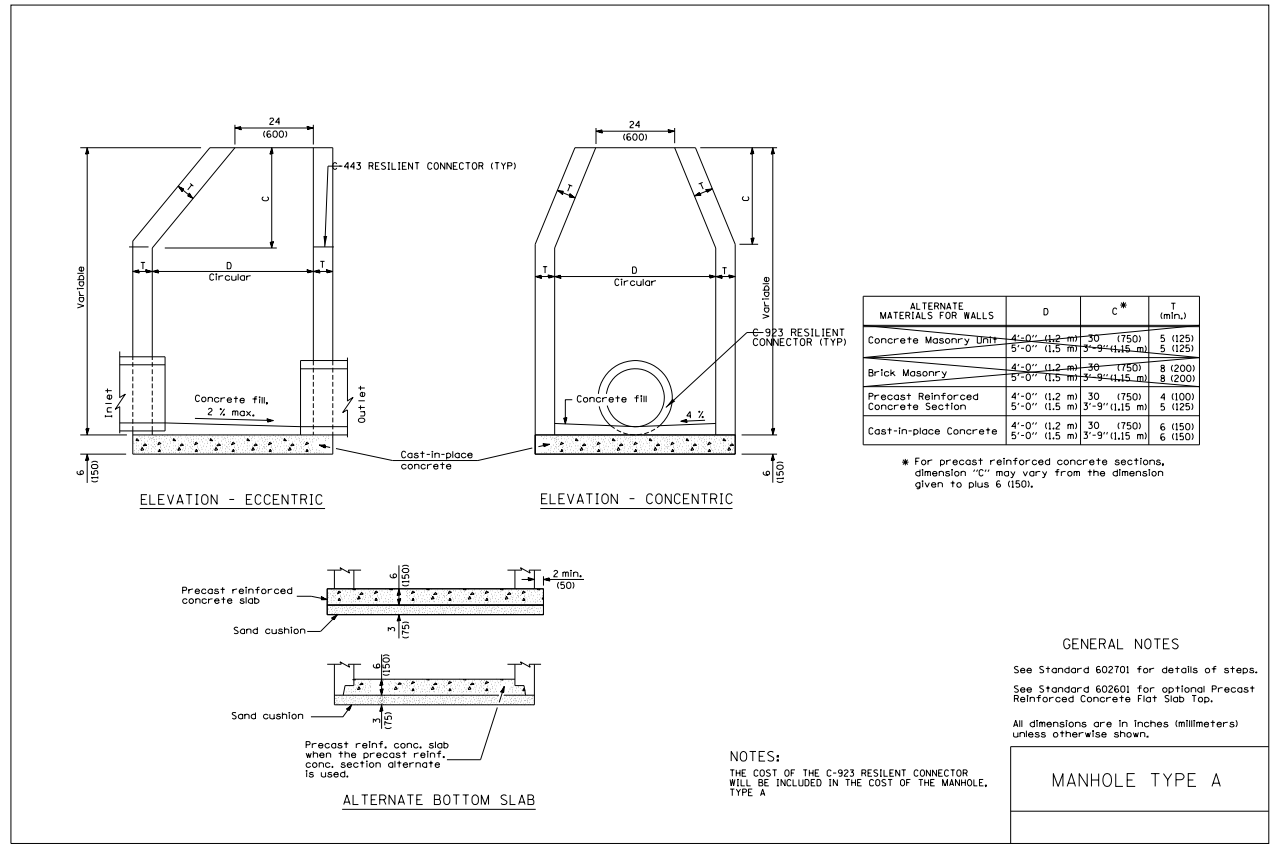
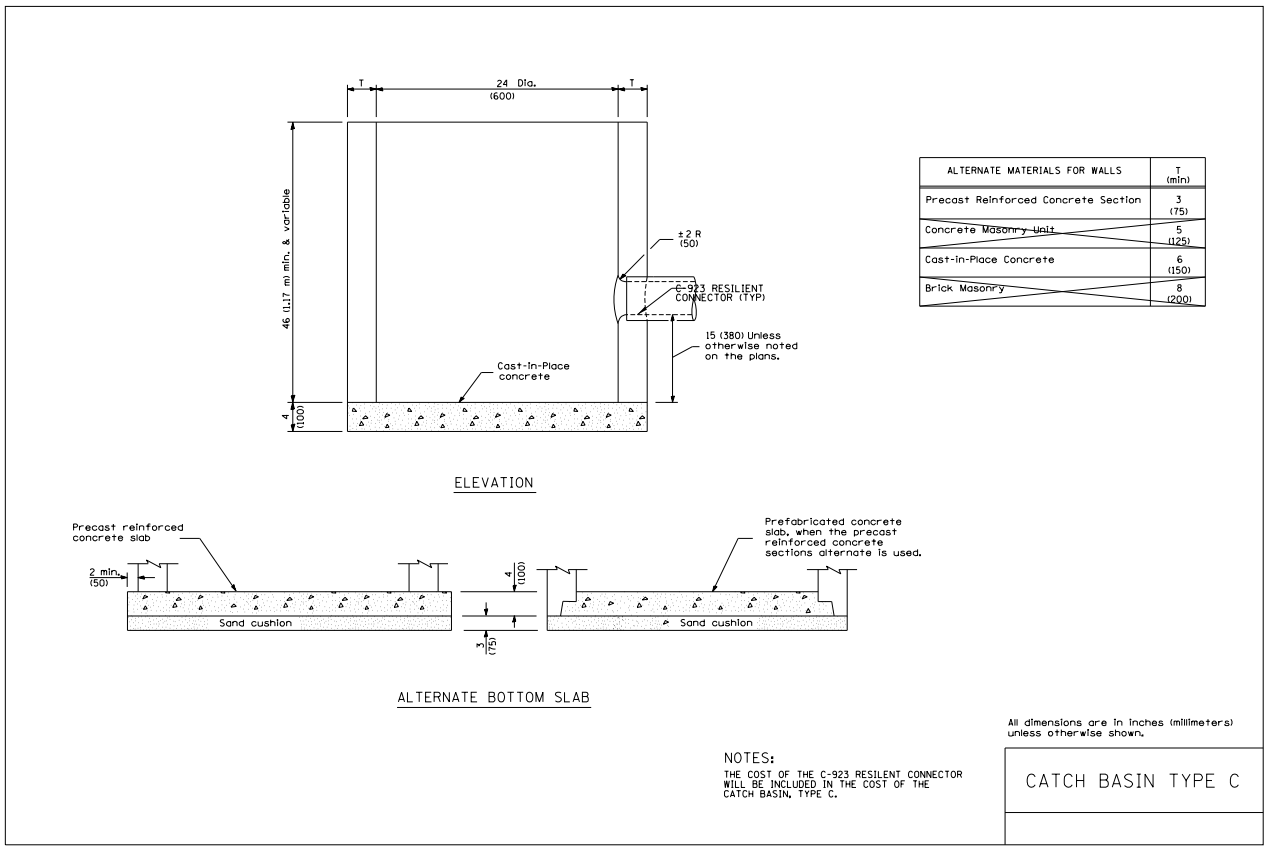
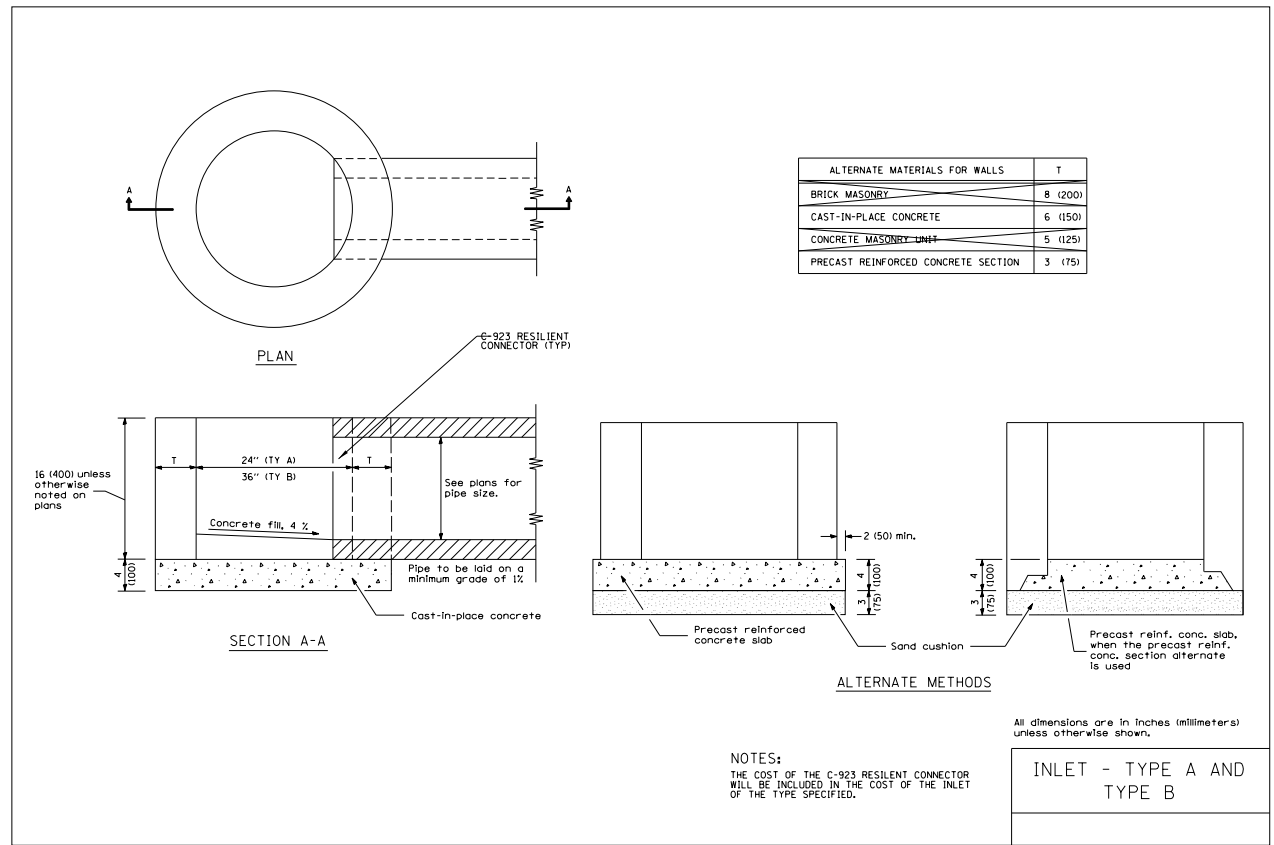
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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				CONTRACT NO. 61F49
ILLINOIS FED. AID PROJECT				

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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**NORTHFIELD ROAD**  
**WINNETKA ROAD TO WILLOW ROAD**  
**MWRDGC DETAILS**

SCALE: 1"=20'    SHEET 3 OF 3 SHEETS    STA.    TO STA.

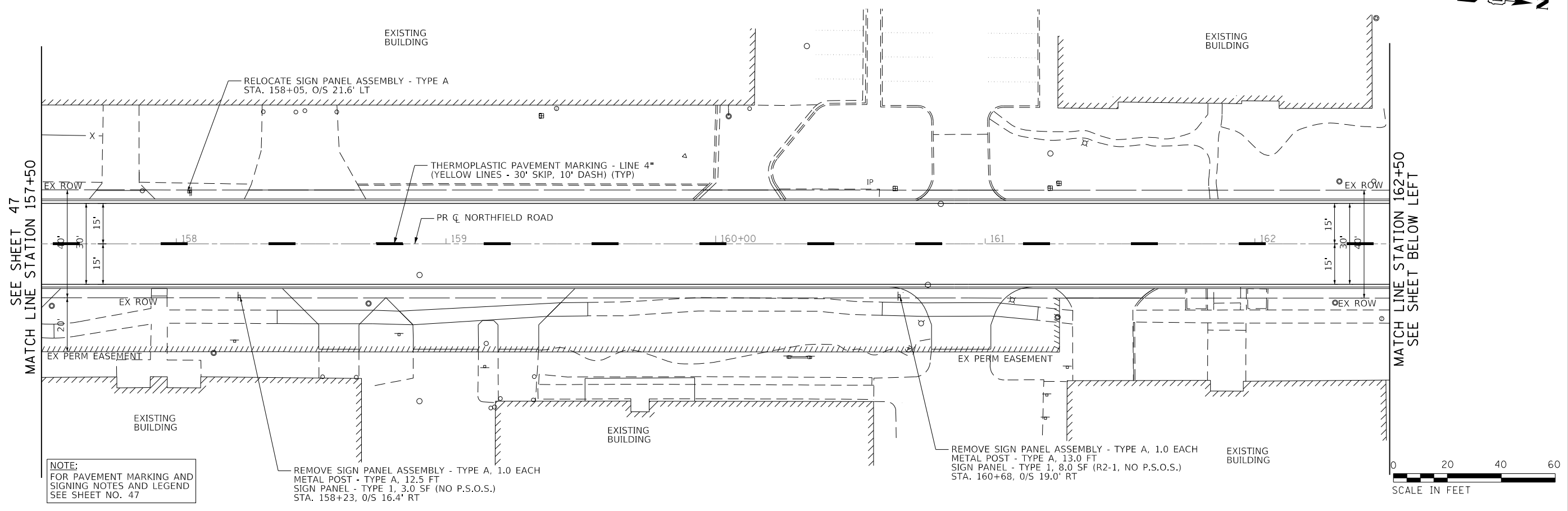
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ILLINOIS FED. AID PROJECT				



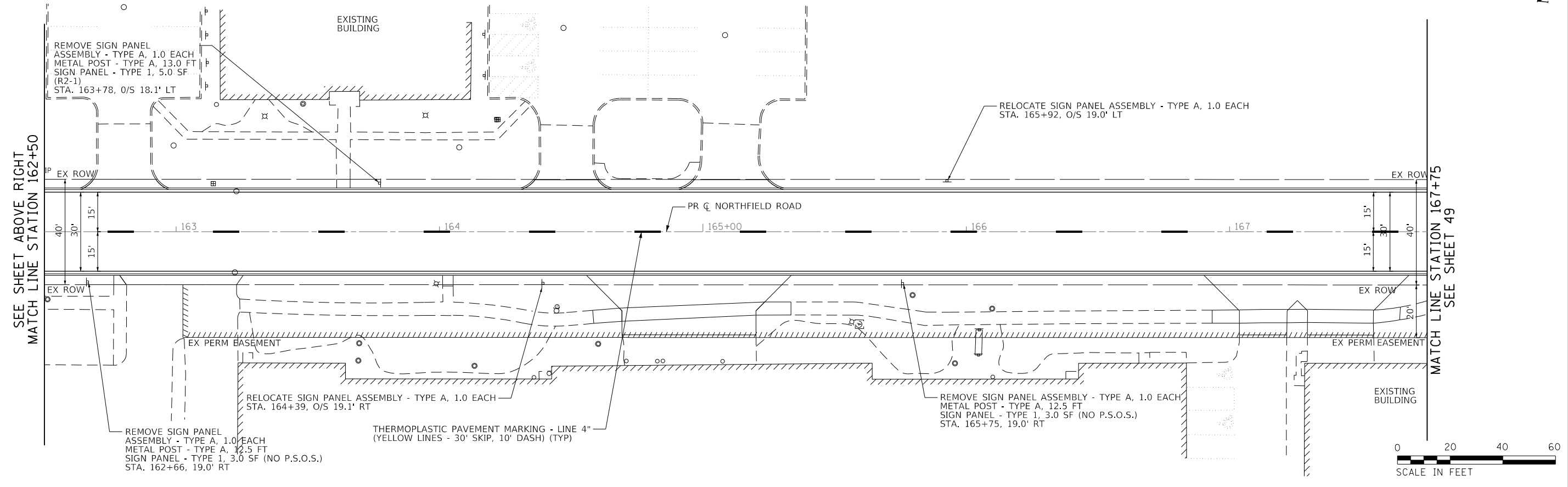
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1475 EAST WOODFIELD ROAD, SUITE 600  
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NOTE:  
 FOR PAVEMENT MARKING AND  
 SIGNING NOTES AND LEGEND  
 SEE SHEET NO. 47



SEE SHEET ABOVE RIGHT  
 MATCH LINE STATION 162+50

MATCH LINE STATION 167+75  
 SEE SHEET 49

REMOVE SIGN PANEL  
 ASSEMBLY - TYPE A, 1.0 EACH  
 METAL POST - TYPE A, 12.5 FT  
 SIGN PANEL - TYPE 1, 3.0 SF (NO P.S.O.S.)  
 STA. 162+66, 19.0' RT



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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

NORTHFIELD ROAD WINNETKA ROAD TO WILLOW ROAD PAVEMENT MARKING AND SIGNING PLANS			
SCALE: 1"=20'	SHEET 2 OF 3 SHEETS	STA. 157+50.00 TO STA. 167+75.00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-R5	COOK	98	48
				CONTRACT NO. 61F49
ILLINOIS FED. AID PROJECT				

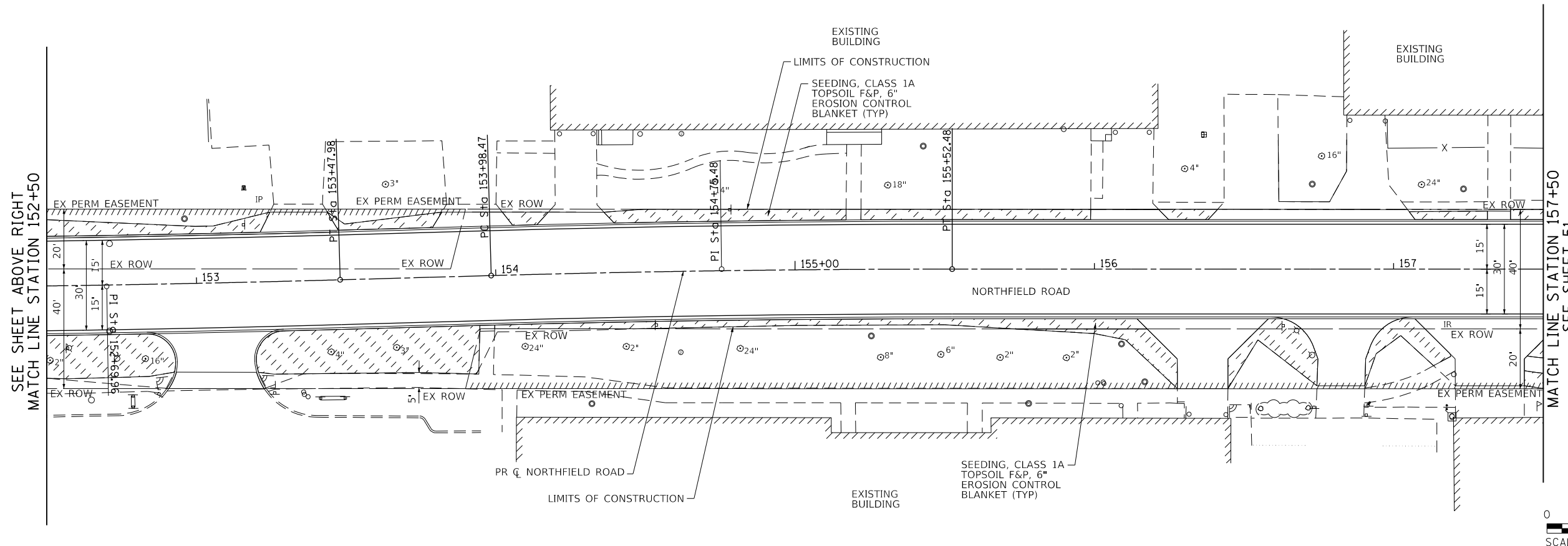
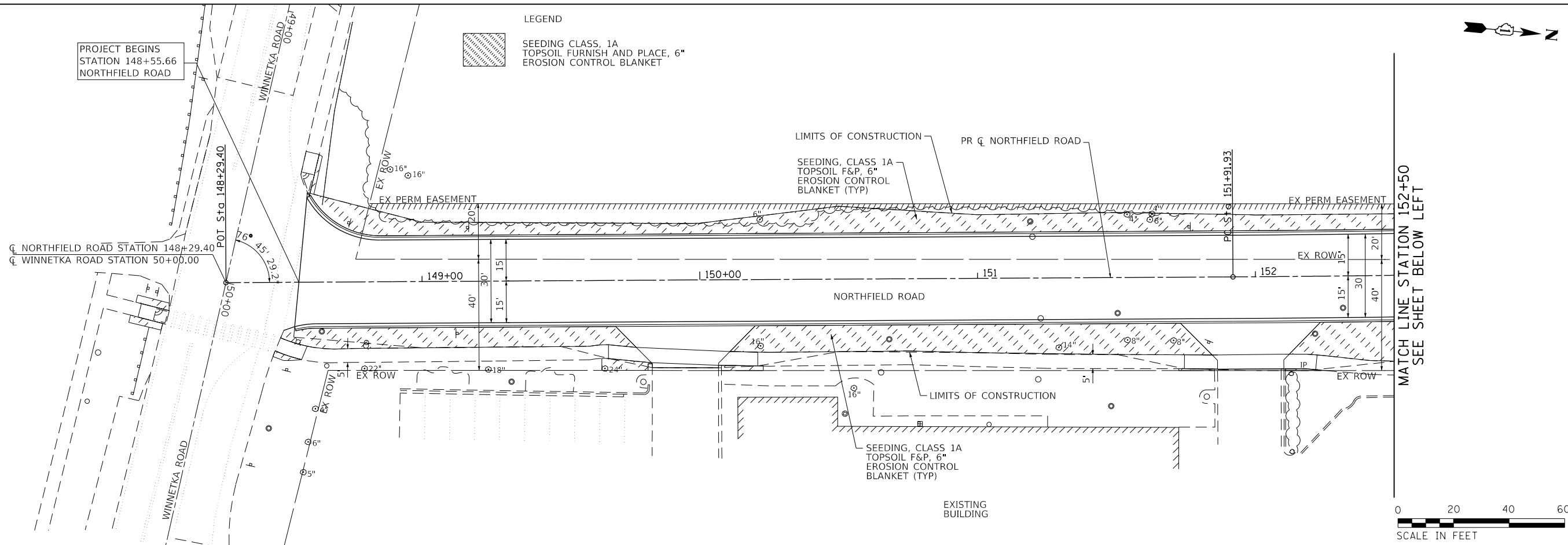




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	PLOT DATE = 11/21/2018	DATE - 11/26/2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

NORTHFIELD ROAD  
WINNETKA ROAD TO WILLOW ROAD  
LANDSCAPING PLANS

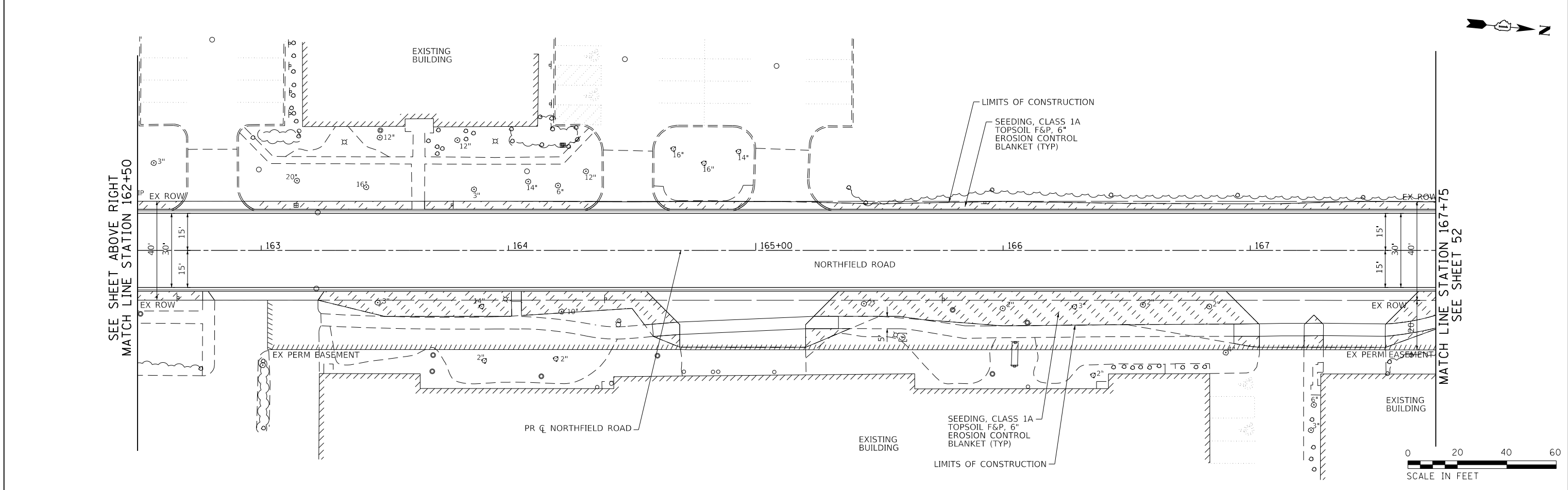
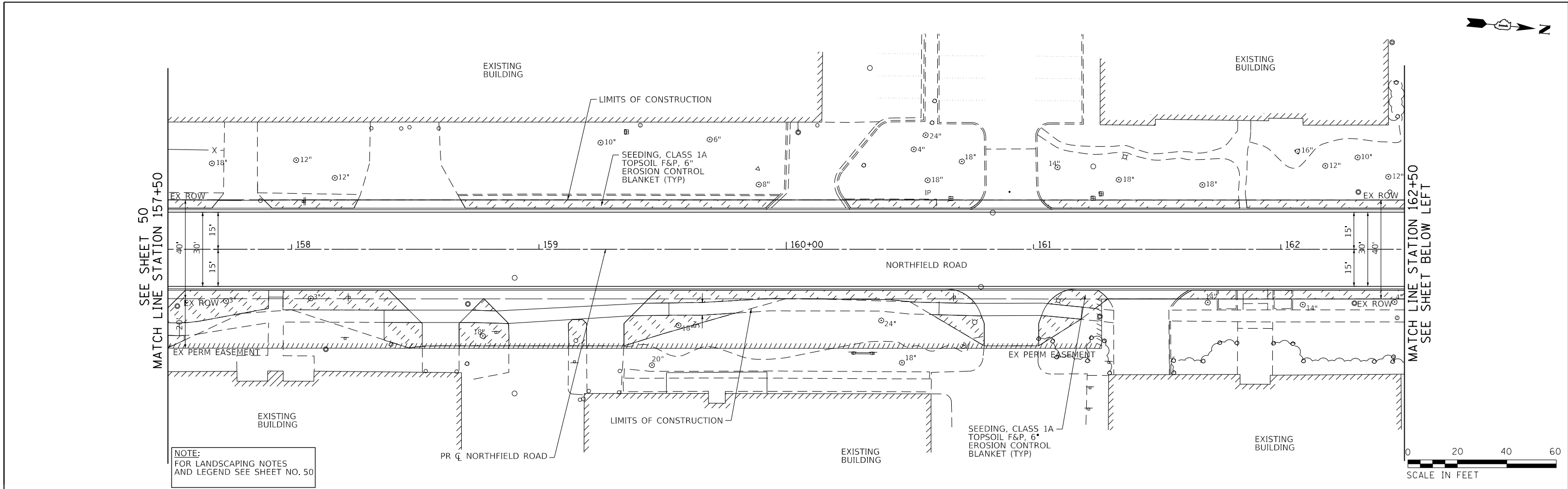
SCALE: 1"=20' SHEET 1 OF 3 SHEETS STA. 148+55.66 TO STA. 157+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-R5	COOK	98	50
				CONTRACT NO. 61F49
ILLINOIS FED. AID PROJECT				

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	STRUCTURE NOTATIONS CHECKED		
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**NORTHFIELD ROAD  
 WINNETKA ROAD TO WILLOW ROAD  
 LANDSCAPING PLANS**

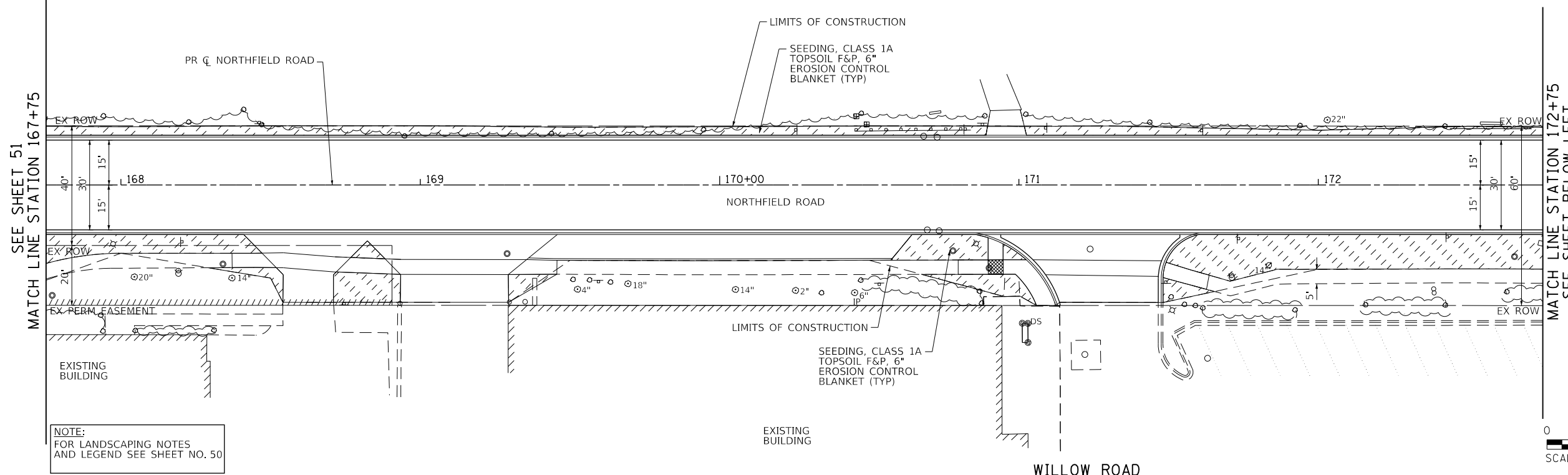
SCALE: 1"=20'    SHEET 2 OF 3 SHEETS    STA. 157+50.00 TO STA. 167+75.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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				CONTRACT NO. 61F49
ILLINOIS FED. AID PROJECT				

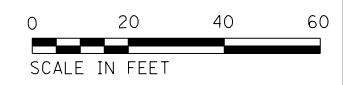
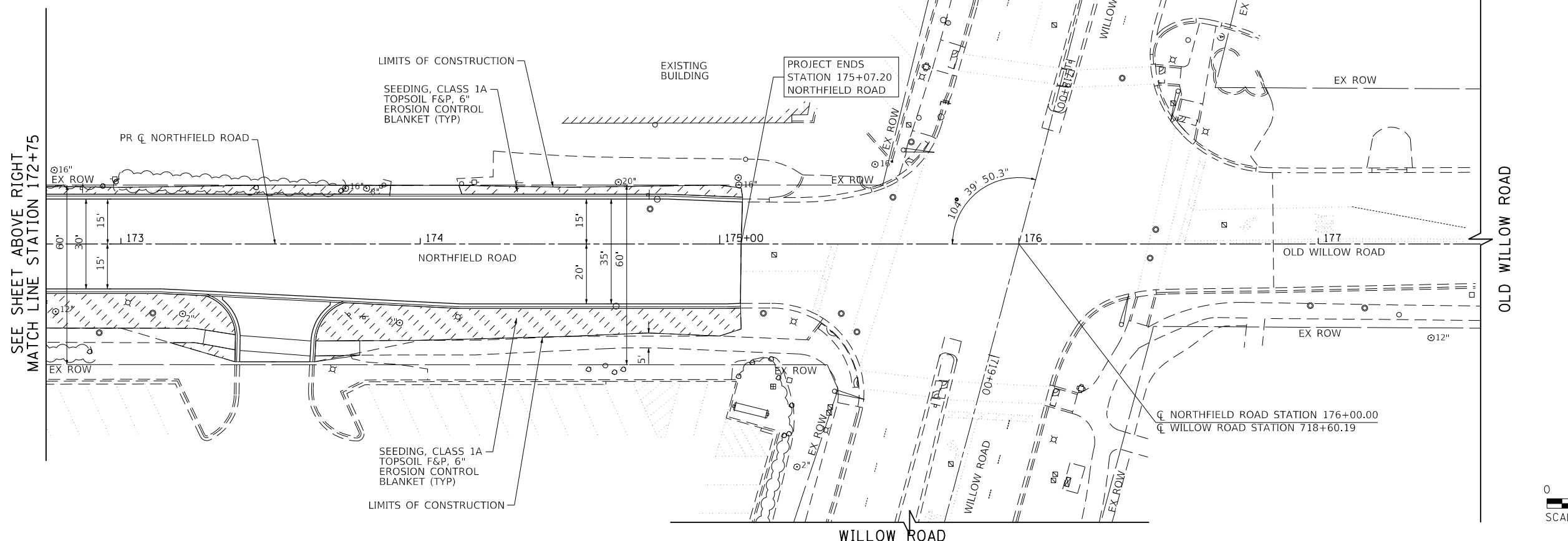
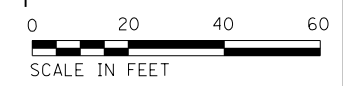
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	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO.		

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NOTE:  
 FOR LANDSCAPING NOTES  
 AND LEGEND SEE SHEET NO. 50



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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

NORTHFIELD ROAD  
 WINNETKA ROAD TO WILLOW ROAD  
 LANDSCAPING PLANS

SCALE: 1"=20' SHEET 3 OF 3 SHEETS STA. 167+75.00 TO STA. 175+07.20

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-R5	COOK	98	52
				CONTRACT NO. 61F49
ILLINOIS FED. AID PROJECT				

# TRAFFIC SIGNAL LEGEND

(NOT TO SCALE)

ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED	ITEM	EXISTING	PROPOSED
CONTROLLER CABINET			HANDHOLE -SQUARE -ROUND			SIGNAL HEAD -(P) PROGRAMMABLE SIGNAL HEAD		
COMMUNICATION CABINET			HEAVY DUTY HANDHOLE -SQUARE -ROUND			SIGNAL HEAD WITH BACKPLATE -(P) PROGRAMMABLE SIGNAL HEAD -(RB) RETROREFLECTIVE BACKPLATE		
MASTER CONTROLLER			DOUBLE HANDHOLE			PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS		
MASTER MASTER CONTROLLER			JUNCTION BOX			PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER		
UNINTERRUPTABLE POWER SUPPLY			RAILROAD CANTILEVER MAST ARM			ILLUMINATED SIGN "NO LEFT TURN"/"NO RIGHT TURN"		
SERVICE INSTALLATION -(P) POLE MOUNTED			RAILROAD FLASHING SIGNAL			NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE. ALL DETECTOR LOOP CABLE TO BE SHIELDED		
SERVICE INSTALLATION -(G) GROUND MOUNTED -(GM) GROUND MOUNTED METERED			RAILROAD CROSSING GATE			GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)		
TELEPHONE CONNECTION			RAILROAD CROSSBUCK			ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C		
STEEL MAST ARM ASSEMBLY AND POLE			RAILROAD CONTROLLER CABINET			COAXIAL CABLE		
ALUMINUM MAST ARM ASSEMBLY AND POLE			UNDERGROUND CONDUIT (UC), GALVANIZED STEEL			VENDOR CABLE		
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE			TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE			COPPER INTERCONNECT CABLE, NO. 18, 3 PAIR TWISTED, SHIELDED		
SIGNAL POST -(BM) BARREL MOUNTED - TEMPORARY			SYSTEM ITEM			FIBER OPTIC CABLE -NO. 62.5/125, MM12F -NO. 62.5/125, MM12F SM12F -NO. 62.5/125, MM12F SM24F		
WOOD POLE			INTERSECTION ITEM			GROUND ROD -(C) CONTROLLER -(M) MAST ARM -(P) POST -(S) SERVICE		
GUY WIRE			REMOVE ITEM					
SIGNAL HEAD			RELOCATE ITEM					
SIGNAL HEAD WITH BACKPLATE			ABANDON ITEM					
SIGNAL HEAD OPTICALLY PROGRAMMED			CONTROLLER CABINET AND FOUNDATION TO BE REMOVED					
FLASHER INSTALLATION -(FS) SOLAR POWERED			MAST ARM POLE AND FOUNDATION TO BE REMOVED					
PEDESTRIAN SIGNAL HEAD			SIGNAL POST AND FOUNDATION TO BE REMOVED					
PEDESTRIAN PUSH BUTTON -(APS) ACCESSIBLE PEDESTRIAN PUSH BUTTON			DETECTOR LOOP, TYPE I					
RADAR DETECTION SENSOR			PREFORMED DETECTOR LOOP					
VIDEO DETECTION CAMERA			SAMPLING (SYSTEM) DETECTOR					
RADAR/VIDEO DETECTION ZONE			INTERSECTION AND SAMPLING (SYSTEM) DETECTOR					
PAN, TILT, ZOOM (PTZ) CAMERA			QUEUE AND SAMPLING (SYSTEM) DETECTOR					
EMERGENCY VEHICLE LIGHT DETECTOR			WIRELESS DETECTOR SENSOR					
CONFIRMATION BEACON			WIRELESS ACCESS POINT					
WIRELESS INTERCONNECT								
WIRELESS INTERCONNECT RADIO REPEATER								

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	ROAD FILE NAME	

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	GRADES	
	STRUCTURE	
	NOTATIONS	

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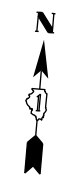
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**NORTHFIELD ROAD  
WINNETKA ROAD TO WILLOW ROAD  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS (TS-05)**

SCALE: NONE    SHEET 1 OF 4 SHEETS    STA.    TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-R5	COOK	98	53
CONTRACT NO. 61F49				
ILLINOIS FED. AID PROJECT				

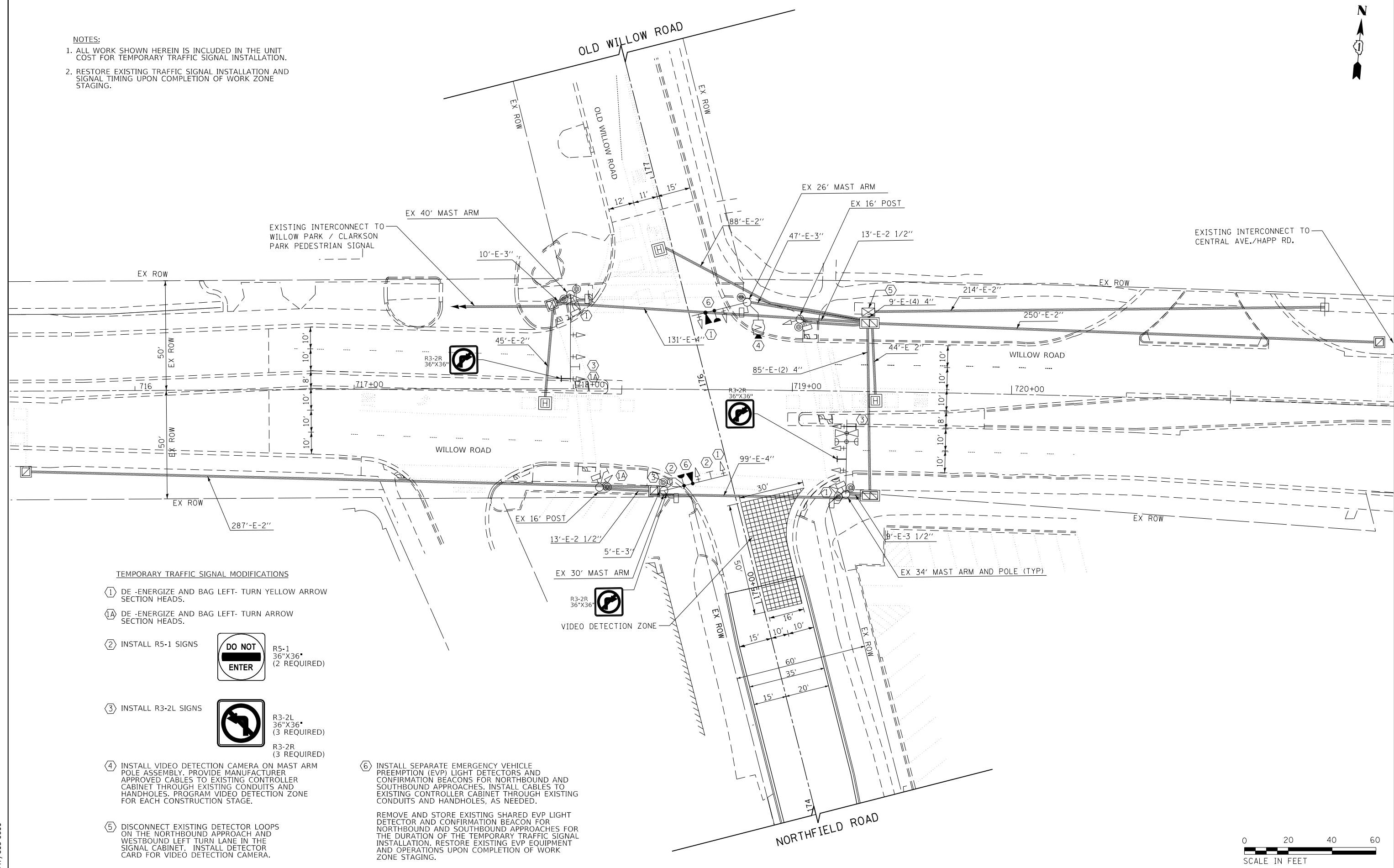


- NOTES:
1. ALL WORK SHOWN HEREIN IS INCLUDED IN THE UNIT COST FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.
  2. RESTORE EXISTING TRAFFIC SIGNAL INSTALLATION AND SIGNAL TIMING UPON COMPLETION OF WORK ZONE STAGING.



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	ALIGNMENT	
	FILE NAME	
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PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	GRADES	
	STRUCTURE	
	NOTATIONS	
	CHKD	
	NO.	

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**TEMPORARY TRAFFIC SIGNAL MODIFICATIONS**

- ① DE-ENERGIZE AND BAG LEFT-TURN YELLOW ARROW SECTION HEADS.
- ①A DE-ENERGIZE AND BAG LEFT-TURN ARROW SECTION HEADS.
- ② INSTALL R5-1 SIGNS  
 R5-1  
 36"X36"  
 (2 REQUIRED)
- ③ INSTALL R3-2L SIGNS  
 R3-2L  
 36"X36"  
 (3 REQUIRED)
- ④ INSTALL VIDEO DETECTION CAMERA ON MAST ARM POLE ASSEMBLY. PROVIDE MANUFACTURER APPROVED CABLES TO EXISTING CONTROLLER CABINET THROUGH EXISTING CONDUITS AND HANDHOLES. PROGRAM VIDEO DETECTION ZONE FOR EACH CONSTRUCTION STAGE.
- ⑤ DISCONNECT EXISTING DETECTOR LOOPS ON THE NORTHBOUND APPROACH AND WESTBOUND LEFT TURN LANE IN THE SIGNAL CABINET. INSTALL DETECTOR CARD FOR VIDEO DETECTION CAMERA.

- ⑥ INSTALL SEPARATE EMERGENCY VEHICLE PREEMPTION (EVP) LIGHT DETECTORS AND CONFIRMATION BEACONS FOR NORTHBOUND AND SOUTHBOUND APPROACHES. INSTALL CABLES TO EXISTING CONTROLLER CABINET THROUGH EXISTING CONDUITS AND HANDHOLES, AS NEEDED.
- REMOVE AND STORE EXISTING SHARED EVP LIGHT DETECTOR AND CONFIRMATION BEACON FOR NORTHBOUND AND SOUTHBOUND APPROACHES FOR THE DURATION OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. RESTORE EXISTING EVP EQUIPMENT AND OPERATIONS UPON COMPLETION OF WORK ZONE STAGING.



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Default		CHECKED - DWB	REVISED -
	PLOT DATE = 11/21/2018	DATE - 11/26/2018	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**NORTHFIELD ROAD AT WILLOW ROAD  
 TEMPORARY TRAFFIC SIGNAL MODIFICATIONS PLAN**

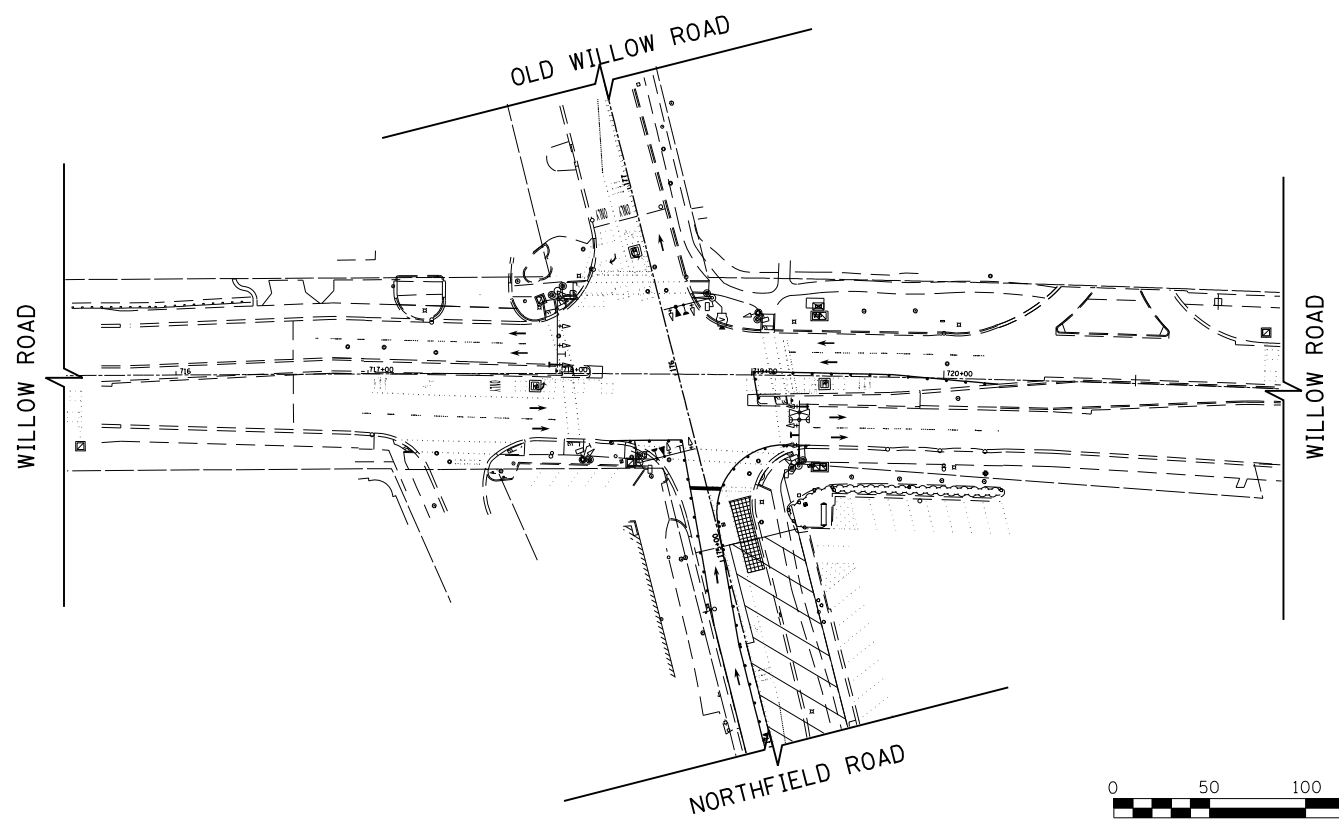
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-R5	COOK	98	54
				CONTRACT NO. 61F49
ILLINOIS FED. AID PROJECT				

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

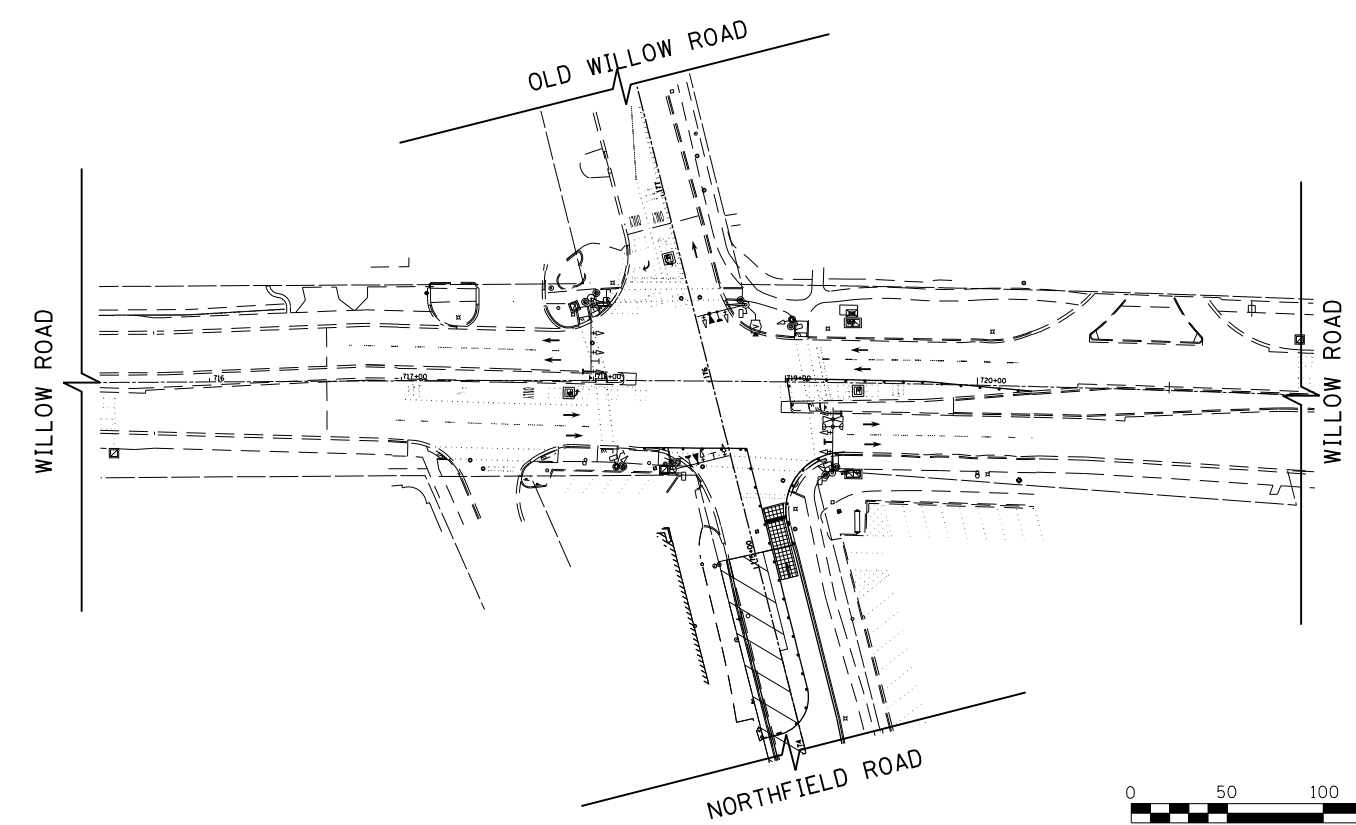
PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	GRADES CHECKED		
	STRUCTURE		
	NOTATIS CHFD		

STAGE I



0 50 100 150  
SCALE IN FEET

STAGE II



0 50 100 150  
SCALE IN FEET

**TranSystems**  
1475 EAST WOODFIELD ROAD, SUITE 600  
SCHAMBURG, ILLINOIS 60173  
(847) 605-9600

FILE NAME =	USER NAME = Mibeening	DESIGNED - CEC	REVISED -
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	PLOT DATE = 11/21/2018	DATE - 11/26/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**NORTHFIELD ROAD AT WILLOW ROAD  
TEMPORARY TRAFFIC SIGNAL STAGING**

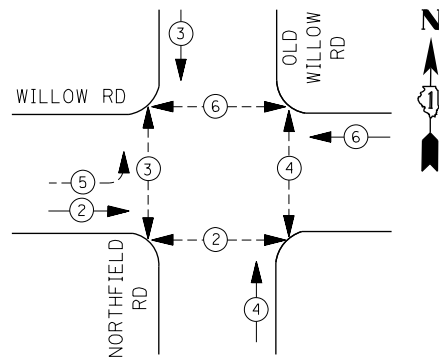
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-R5	COOK	98	55
				CONTRACT NO. 61F49
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	CHECKED	
	ALIGNED	
	FILED	
	CAD FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	GRADES CHECKED	BY
NO.	STRUCTURE	
	NOTATIONS CHKD	

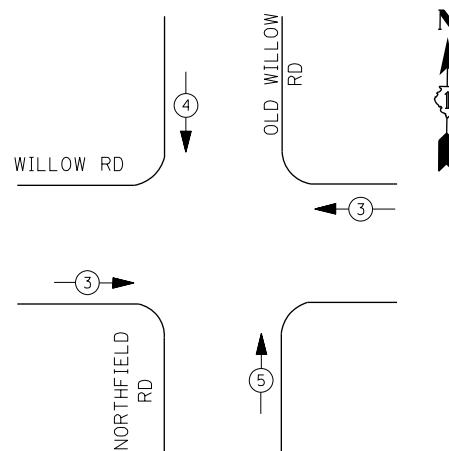
CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

LEGEND:

- ⊙ PROTECTED PHASE
- ⊙-⊙ PROTECTED/PERMITTED PHASE
- ⊙-⊙ PEDESTRIAN PHASE
- ⊙ OL OVERLAP



EMERGENCY VEHICLE PREEMPTION SEQUENCE

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

TYPE	NO. LAMPS	WATTAGE		% OPERATIONS	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL ( RED )	14	135	17	0.50	119
( YELLOW )	14	135	25	0.25	88
( GREEN )	14	135	15	0.25	53
ARROW	4	135	12	0.10	4.8
PED. SIGNAL	8	90	25	1.00	200
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN	4	-	90	0.50	180
VIDEO SYSTEM		150	-	1.00	150
TOTAL =					894.8

ENERGY COSTS- BILLED TO: VILLAGE OF NORTHFIELD  
31 HAPP RD  
NORTHFIELD, IL 60091

ENERGY SUPPLY - CONTACT \_\_\_\_\_  
PHONE \_\_\_\_\_  
COMED

EXIST. INTERCONNECT TO  
WILLOW PARK/CLARKSON  
PARK PEDESTRIAN SIGNAL

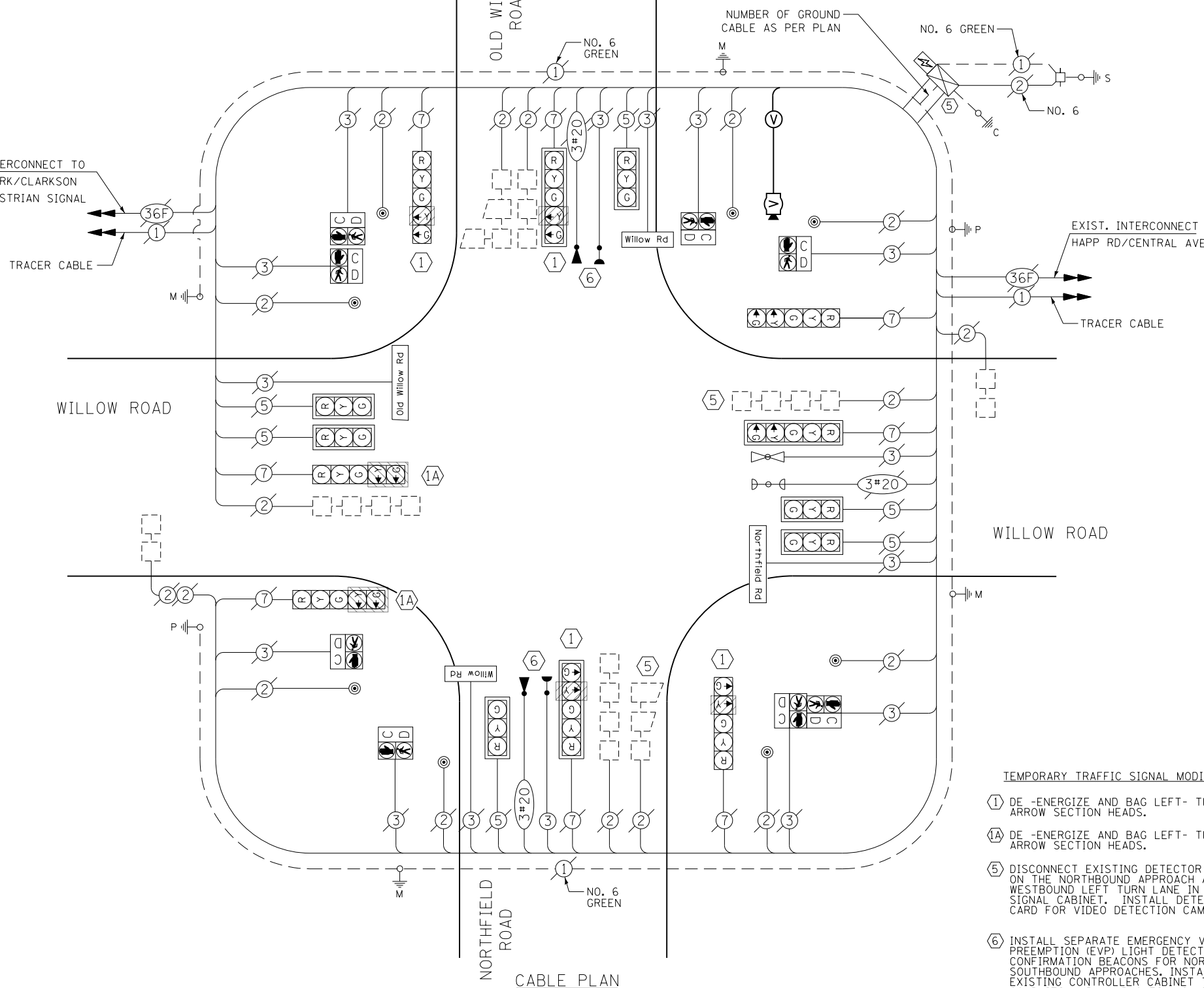
TRACER CABLE

WILLOW ROAD

OLD WILLOW ROAD

NORTHFIELD ROAD

CABLE PLAN



TEMPORARY TRAFFIC SIGNAL MODIFICATIONS

- ① DE-ENERGIZE AND BAG LEFT- TURN YELLOW ARROW SECTION HEADS.
- ①A DE-ENERGIZE AND BAG LEFT- TURN ARROW SECTION HEADS.
- ⑤ DISCONNECT EXISTING DETECTOR LOOPS ON THE NORTHBOUND APPROACH AND WESTBOUND LEFT TURN LANE IN THE SIGNAL CABINET. INSTALL DETECTOR CARD FOR VIDEO DETECTION CAMERA.
- ⑥ INSTALL SEPARATE EMERGENCY VEHICLE PREEMPTION (EVP) LIGHT DETECTORS AND CONFIRMATION BEACON FOR NORTHBOUND AND SOUTHBOUND APPROACHES. INSTALL CABLES TO EXISTING CONTROLLER CABINET THROUGH EXISTING CONDUITS AND HANDHOLES, AS NEEDED.

REMOVE AND STORE EXISTING SHARED EVP LIGHT DETECTOR AND CONFIRMATION BEACON FOR NORTHBOUND AND SOUTHBOUND APPROACHES FOR THE DURATION OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION. RESTORE EXISTING EVP EQUIPMENT AND OPERATIONS UPON COMPLETION OF WORK ZONE STAGING.

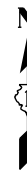
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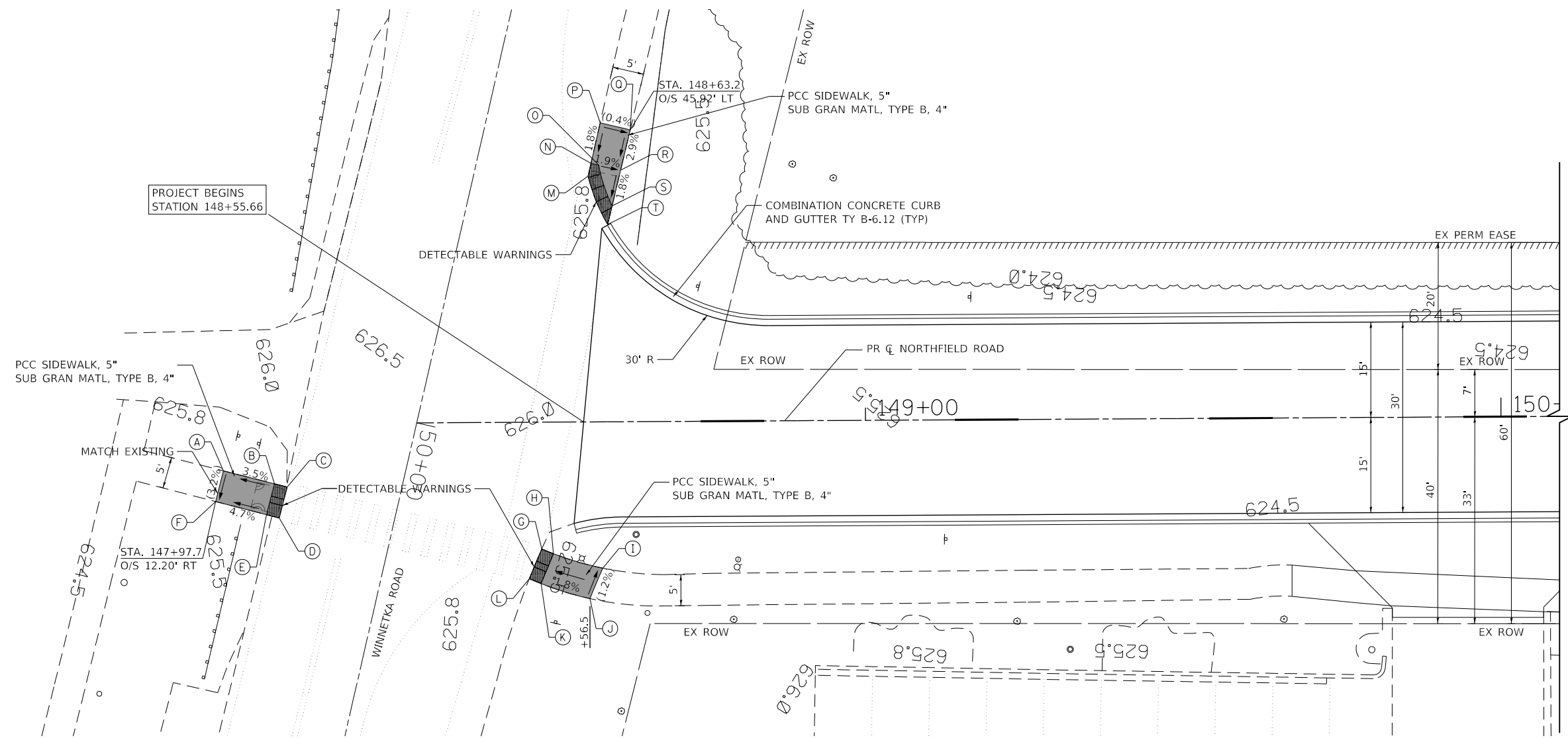
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

NORTHFIELD ROAD /WILLOW ROAD AND OLD WILLOW ROAD  
CABLE PLAN, SCHEDULE OF QUANTITIES,  
PHASE DESIGNATION DIAGRAM & EVP SEQUENCE

SCALE: N.T.S. SHEET 4 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-R5	COOK	98	56
			CONTRACT NO. 61F49	
ILLINOIS FED. AID PROJECT				





PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	CHECKED	
	ALIGNED	
	FILED	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	GRADES CHECKED	BY
	STRUCTURE NOTATIONS CHKD	

STATION	OFFSET	ELEVATION
A	147+98.9	7.38' (625.96)
B	148+07.0	9.46' 626.25
C	148+08.9	9.98' (626.28)
D	148+07.7	14.85' (626.22)
E	148+05.7	14.32' 626.19
F	147+97.7	12.20' (625.80)

STATION	OFFSET	ELEVATION
G	148+49.0	19.96' (625.33)
H	148+50.8	20.73' 625.37
I	148+58.5	23.03' (625.52)
J	148+56.5	27.81' (625.58)
K	148+48.8	25.40' 625.44
L	148+47.0	24.62' (625.41)

STATION	OFFSET	ELEVATION
M	148+56.6	38.70' (625.78)
N	148+57.1	40.70' 625.80
O	148+58.3	40.41' 625.78
P	148+58.5	47.07' (625.92)
Q	148+63.3	45.92' (625.90)
R	148+61.7	39.61' 625.71
S	148+60.3	33.98' 625.60
T	148+59.6	31.06' (625.55)

**LEGEND**

(%) EXISTING SLOPE      ■ PROPOSED SIDEWALK

(XX.XX') EXISTING LENGTH/ELEVATION      [Hatched Box] DETECTABLE WARNINGS



**TranSystems**  
 1475 EAST WOODFIELD ROAD, SUITE 600  
 SCHAMBURG, ILLINOIS 60173  
 (847) 605-9600

FILE NAME = Invalid expression	USER NAME = Mibeening	DESIGNED - CEC	REVISED -
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		DATE - 11/26/2018	REVISED -

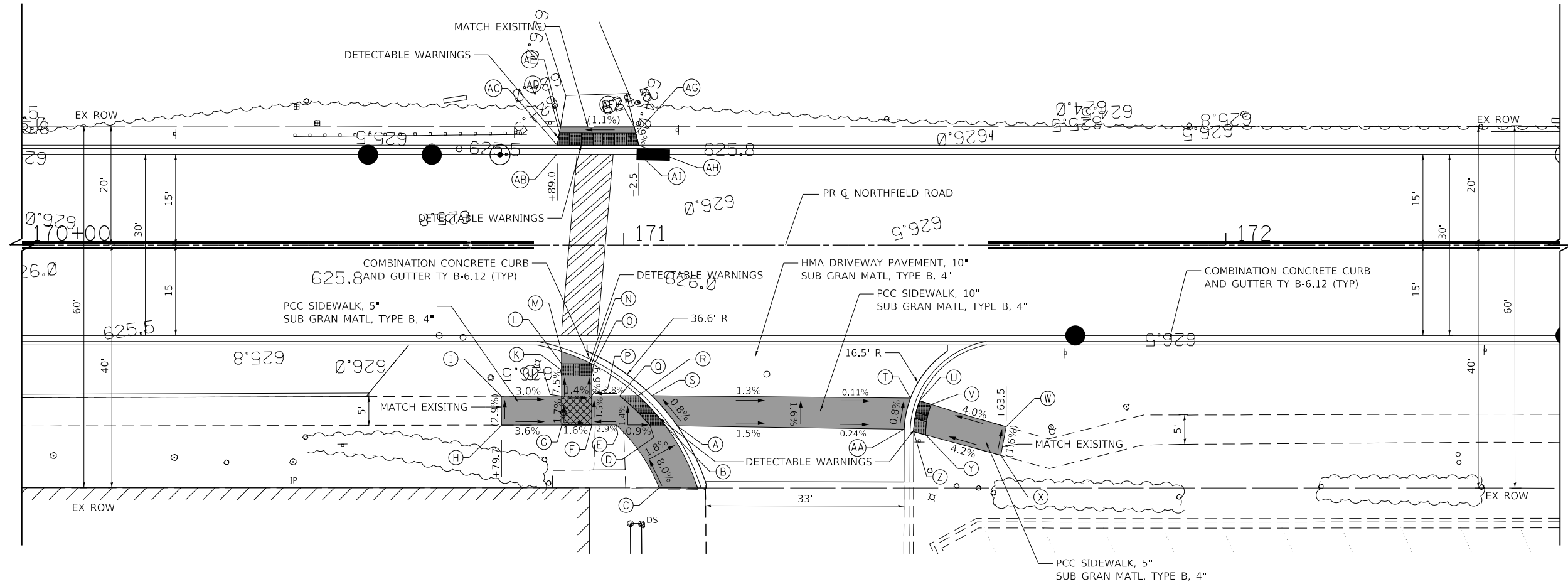
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**NORTHFIELD ROAD  
 WINNETKA ROAD TO WILLOW ROAD  
 ADA RAMP DETAILS**

SCALE: 1"=10'      SHEET 1 OF 3 SHEETS      STA. 148+29.40 TO STA. 149+00.00

F.A.U. RTE. 1039	SECTION 16-00053-00-R5	COUNTY COOK	TOTAL SHEETS 98	SHEET NO. 57
CONTRACT NO. 61F49				
ILLINOIS FED. AID PROJECT				





PLAN	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	CHECKED	
	ALIGNED	
	CAD FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK NO.	GRADES CHECKED	BY
	STRUCTURE	
	NOT AT THIS OFFICE	

	STATION	OFFSET	ELEVATION
A	171+08.9	30.00' RT	626.61
B	171+07.0	29.99' RT	626.60
C	171+05.9	40.29' RT	627.66
D	171+04.4	30.00' RT	626.62
E	170+98.8	29.85' RT	626.66
F	170+79.7	29.86' RT	626.54
G	170+94.7	29.86' RT	626.62
H	170+79.7	29.88' RT	(626.98)
I	170+79.7	25.08' RT	(626.84)
J	170+89.7	25.05' RT	626.54
K	170+89.7	21.70' RT	626.20
L	170+89.7	19.70' RT	626.17
M	170+89.7	17.64' RT	626.14
N	170+94.7	19.70' RT	626.10
O	170+94.7	21.70' RT	626.12
P	170+94.7	25.03' RT	626.47
Q	170+99.3	25.02' RT	626.60
R	171+02.4	25.01' RT	626.55
S	171+04.7	25.00' RT	626.56

	STATION	OFFSET	ELEVATION
T	171+47.6	25.37' RT	626.20
U	171+49.2	25.84' RT	626.19
V	171+51.1	26.43' RT	626.27
W	171+63.5	30.15' RT	(626.79)
X	171+62.6	34.89' RT	(626.87)
Y	171+50.2	31.50' RT	626.32
Z	171+48.2	30.97' RT	626.24
AA	171+46.6	30.55' RT	626.25

	STATION	OFFSET	ELEVATION
AB	170+88.9	15.00' LT	625.30
AC	170+89.0	16.58' LT	625.29
AD	170+89.3	18.59' LT	625.43
AE	170+89.5	19.56' LT	(625.50)
AF	171+01.8	19.55' LT	(625.64)
AG	171+02.0	18.58' LT	625.57
AH	171+02.5	16.58' LT	625.43
AI	171+02.7	15.00' LT	625.44

**LEGEND**

- (%) EXISTING SLOPE
- PROPOSED SIDEWALK
- (XX.XX') EXISTING LENGTH/ELEVATION
- DETECTABLE WARNINGS
- ADA LANDING AREA (PCC SIDEWALK)



**TranSystems**  
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 SCHAMBURG, ILLINOIS 60173  
 (847) 605-9600

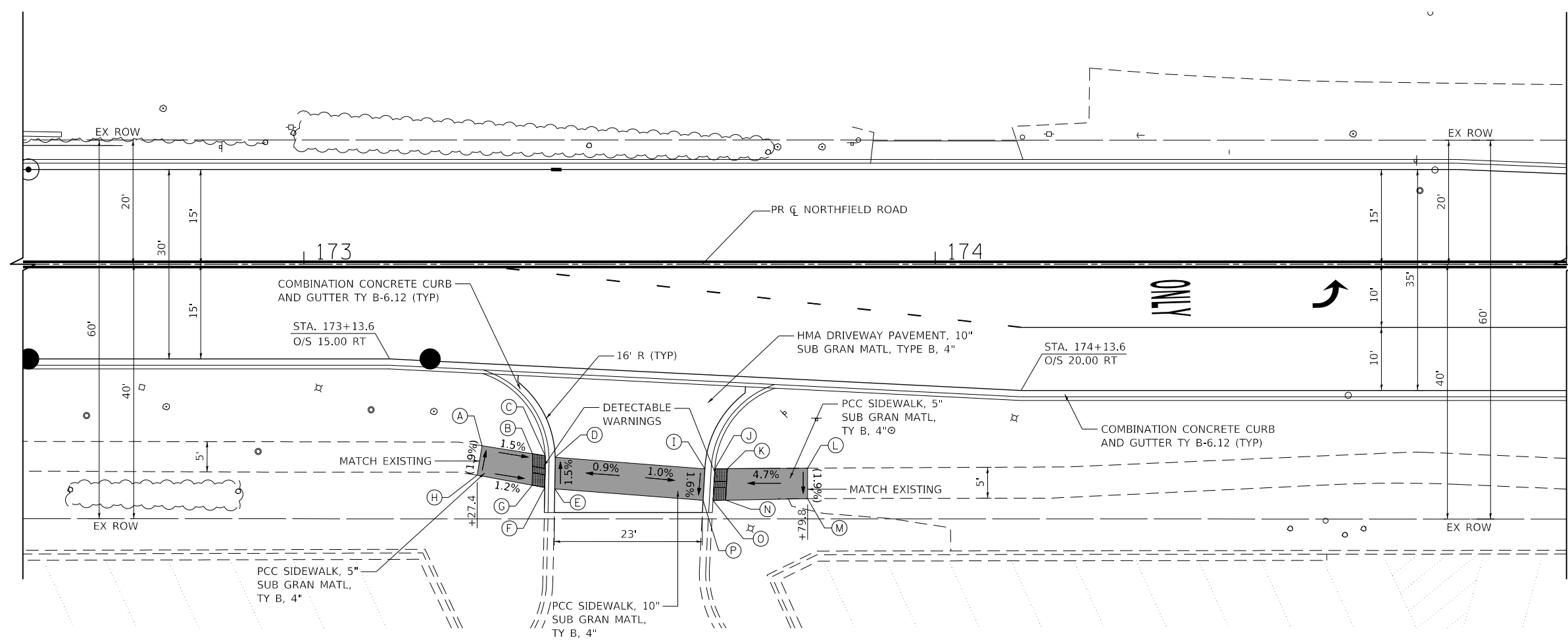
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	PLOT DATE = 11/21/2018	CHECKED - DWB	REVISED -
		DATE - 11/26/2018	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**NORTHFIELD ROAD  
 WINNETKA ROAD TO WILLOW ROAD  
 ADA RAMP DETAILS**

SCALE: 1"=10'    SHEET 2 OF 3 SHEETS    STA. 170+00.00 TO STA. 172+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-R5	COOK	98	58
CONTRACT NO. 61F49				
ILLINOIS FED. AID PROJECT				



PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	

PROFILE	SURVEYED	DATE
	GRADES CHECKED	
	STRUCTURE	
	NO.	

	STATION	OFFSET	ELEVATION
A	173+28.2	28.8' RT	(627.75)
B	173+36.2	30.0' RT	627.63
C	173+38.2	30.3' RT	627.60
D	173+39.8	30.6' RT	627.61
E	173+39.7	35.6' RT	627.69
F	173+38.2	35.4' RT	627.68
G	173+36.2	35.0' RT	627.70
H	173+27.4	31.4' RT	(627.80)
I	173+63.2	37.4' RT	627.68
J	173+64.8	37.4' RT	627.68
K	173+66.8	37.4' RT	627.77
L	173+79.8	37.1' RT	(628.38)
M	173+79.8	32.3' RT	(628.29)
N	173+67.1	32.4' RT	627.69
O	173+65.1	32.4' RT	627.60
P	173+63.5	32.4' RT	627.61

**LEGEND**

(%) EXISTING SLOPE

█ PROPOSED SIDEWALK

(XX.XX') EXISTING LENGTH/ELEVATION

DETECTABLE WARNINGS

SIDEWALK REMOVAL  
REPLACE W/TOPSOIL & SOD



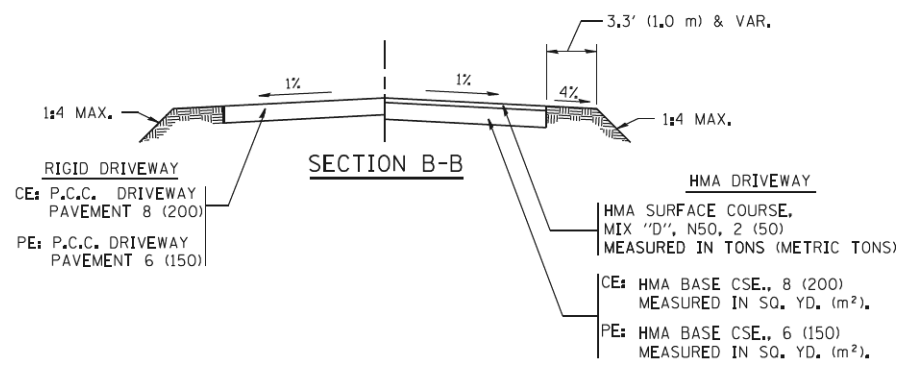
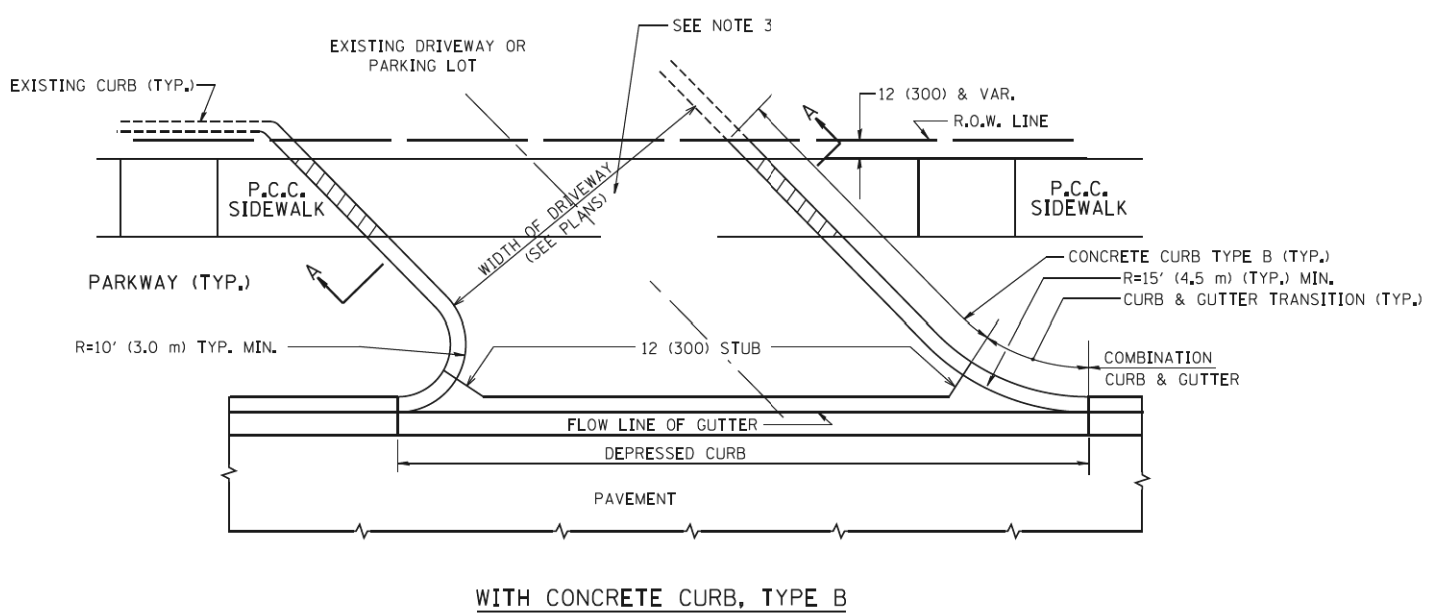
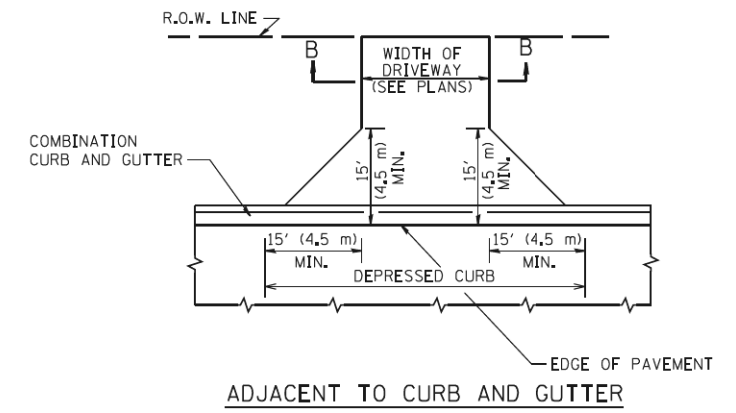
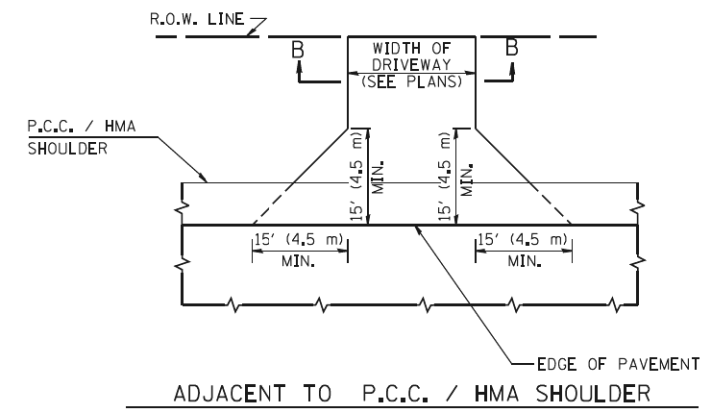
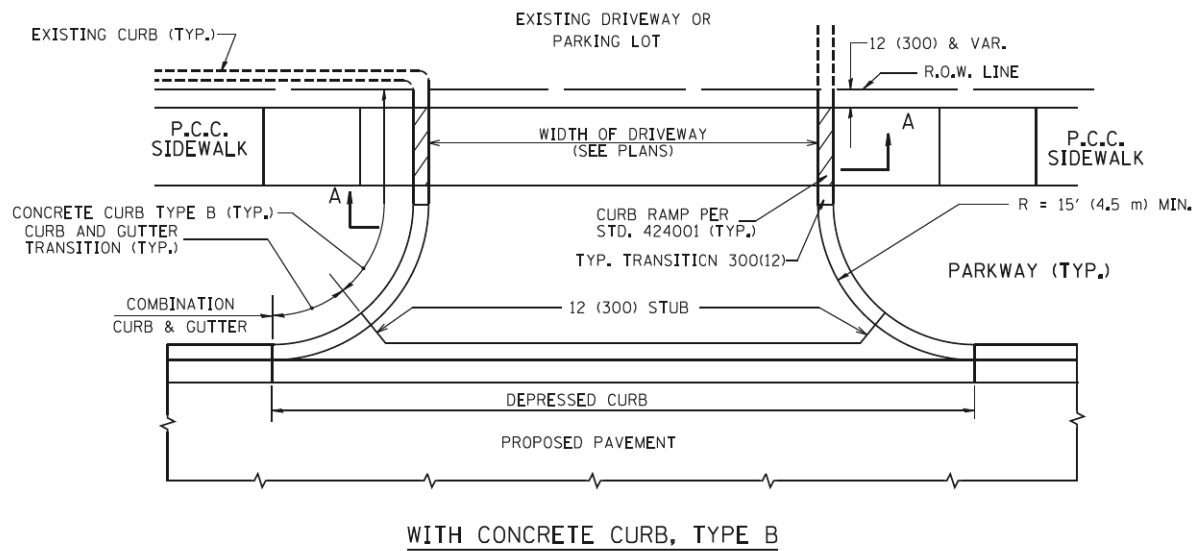
**TranSystems**  
1475 EAST WOODFIELD ROAD, SUITE 600  
SCHAUMBURG, ILLINOIS 60173  
(847) 605-9600

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>NORTHFIELD ROAD WINNETKA ROAD TO WILLOW ROAD ADA RAMP DETAILS</b>	
SCALE: 1"=10'	SHEET 3 OF 3 SHEETS
STA. 173+00.00 TO STA. 174+00.00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-R5	COOK	98	59
CONTRACT NO. 61F49				
ILLINOIS FED. AID PROJECT				



**RURAL FIELD ENTRANCE (FE)**  
 HMA SURFACE COURSE, MIX "D", N50, 2 (50) MEASURED IN TONS (METRIC TONS)  
 AGGREGATE BASE CSE., TYPE B, 8 (200) MEASURED IN SQ. YD. (m²).

**GENERAL NOTES:**

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

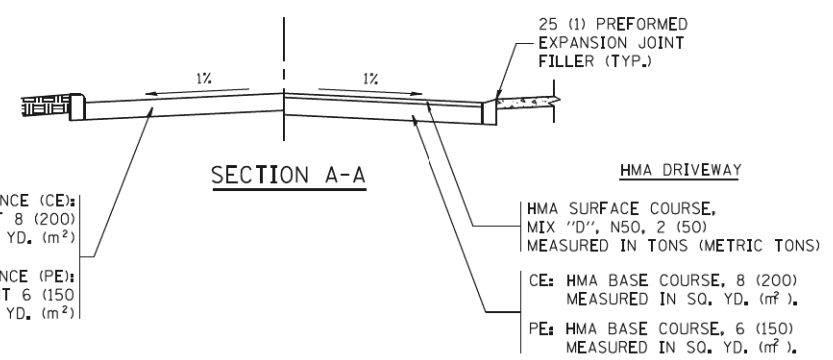
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

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

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

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

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



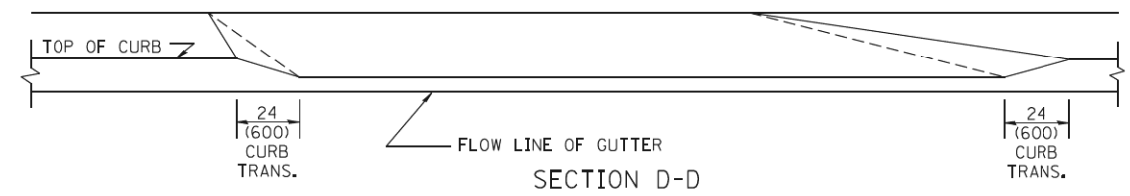
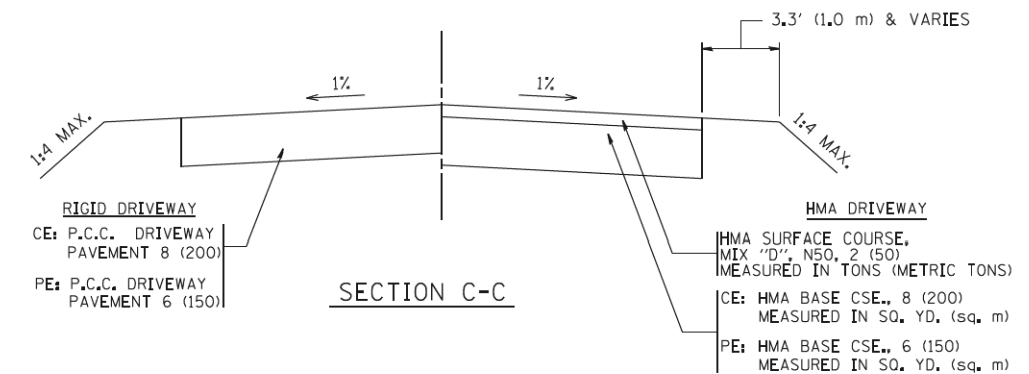
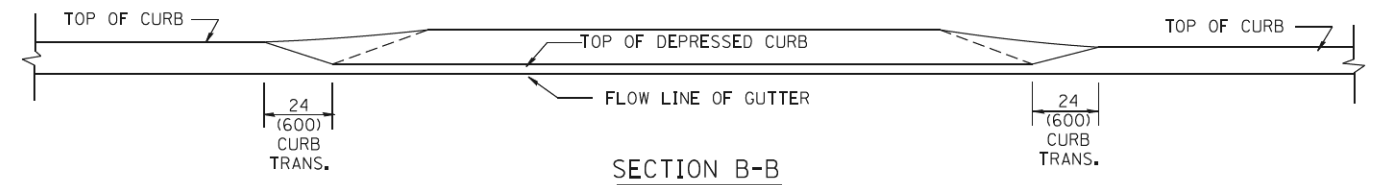
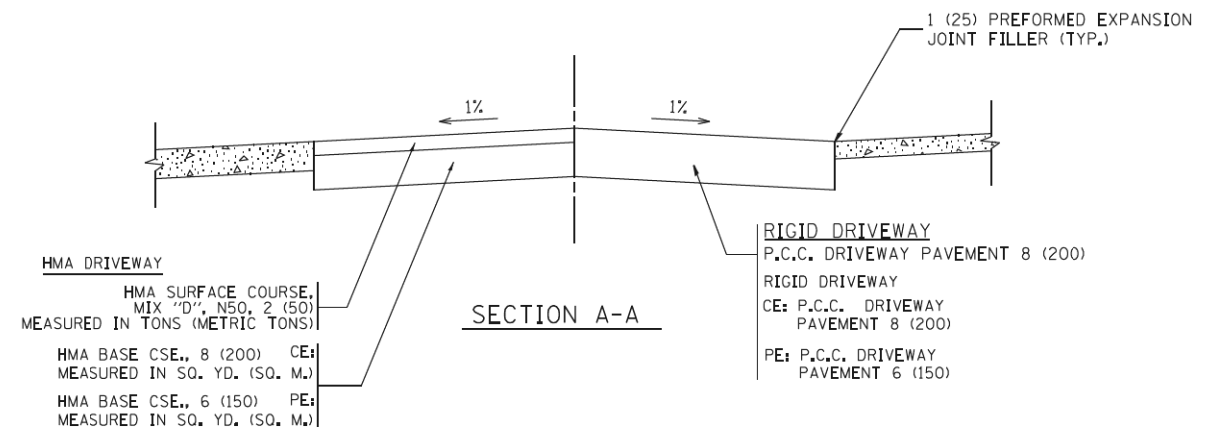
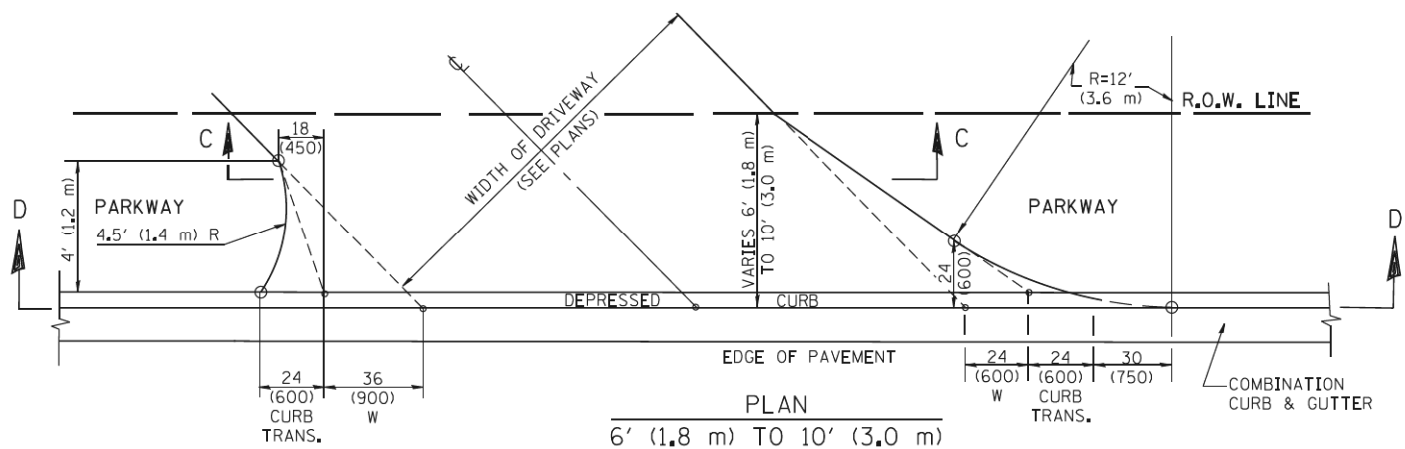
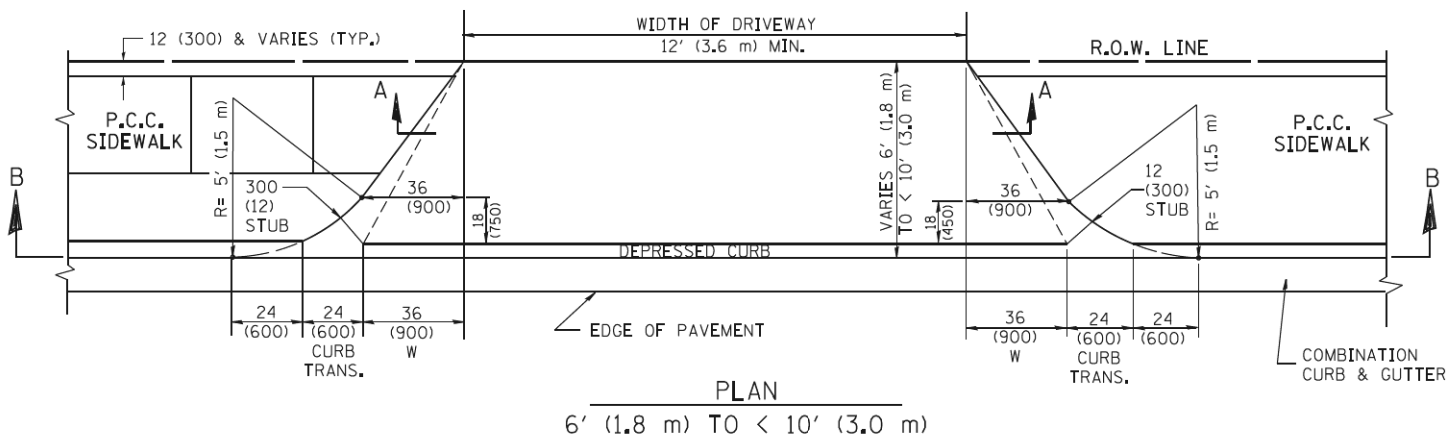
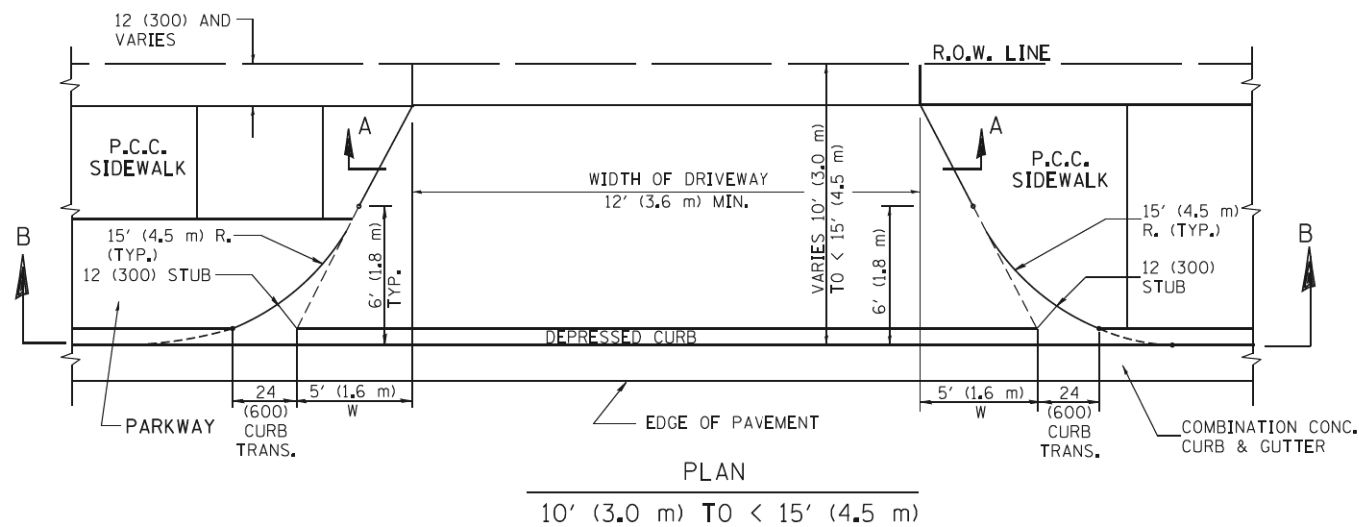
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	PLOT SCALE = 50,0000' / 1"	CHECKED -	REVISED - R. BORO 06-11-08
	PLOT DATE = 9/6/2011	DATE - 11-04-95	REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

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

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-RS	COOK	98	60
BD0156-07 (BD-01)		CONTRACT NO. 61F49		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**GENERAL NOTES**

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

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

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

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

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

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

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

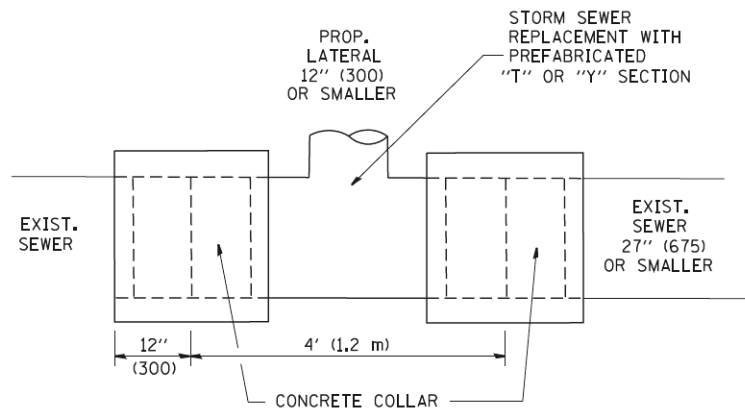
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	PLOT DATE = 10/28/2011	DATE - 11-06-95	REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY DETAILS**  
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)

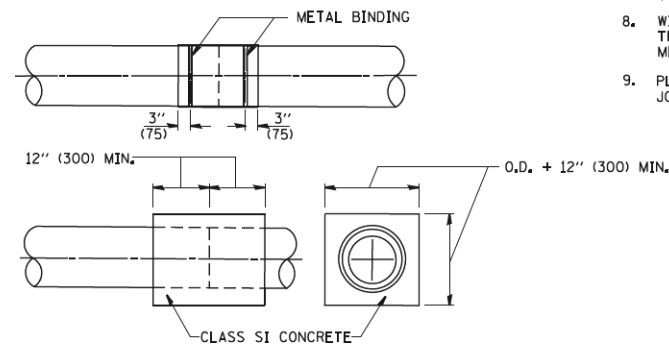
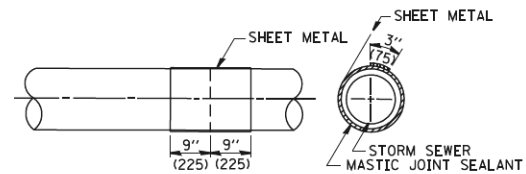
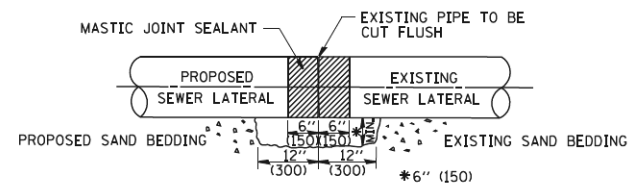
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-RS	COOK	98	61
BD400-02 (BD-02)		CONTRACT NO. 61F49		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**DETAIL "A"**

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

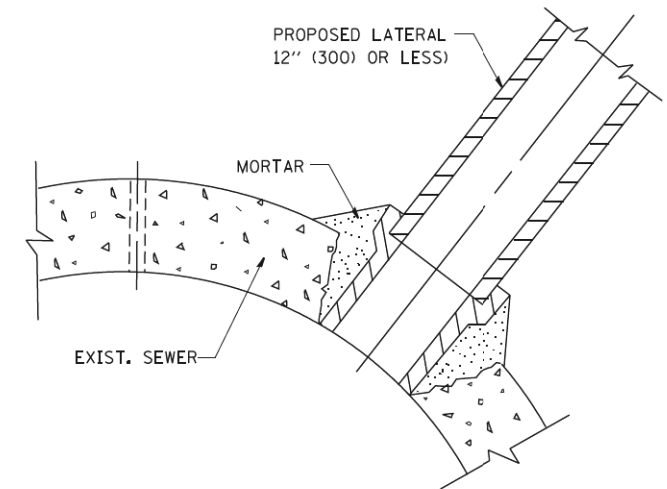


**DETAIL "B"**

CLASS SI CONCRETE COLLAR

**CONSTRUCTION SEQUENCE**

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12" x 6" (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 L1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



**DETAIL "C"**

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

**NOTES**

**MATERIAL**

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

**CONSTRUCTION METHODS**

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

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

**GENERAL**

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

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

**BASIS OF PAYMENT**

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

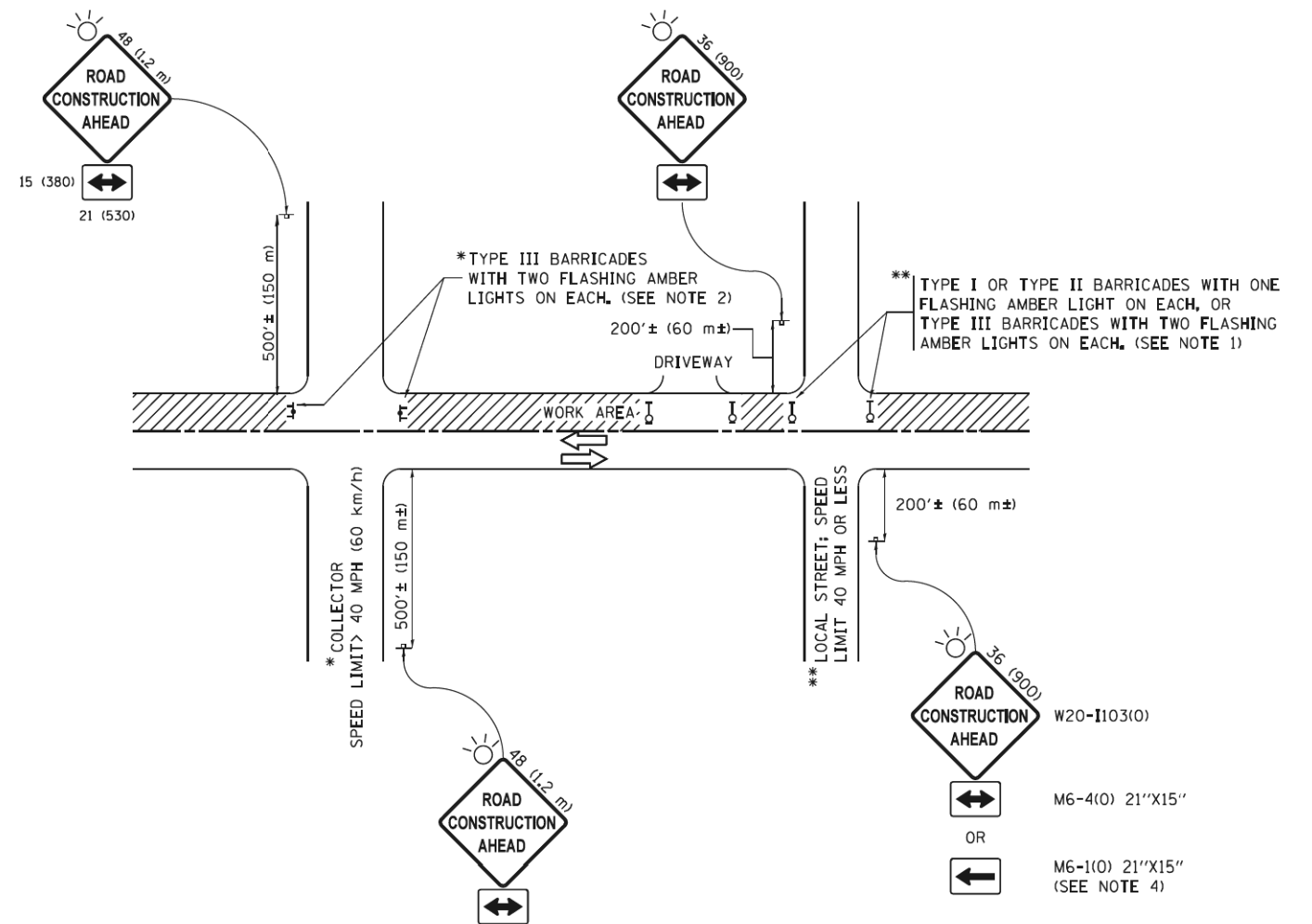
REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

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

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

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

FILE NAME = W:\diststd\22x34\bd07.dgn	USER NAME = gaglenobt	DESIGNED - M. DE YONG	REVISED - M. DE YONG 05-08-92	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER</b>		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
	PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED - R. SHAH 09-09-94		SCALE: NONE	SHEET NO. 1	OF 1 SHEETS	STA.	TO STA.	1039	16-00053-00-RS	COOK	98	62
	PLOT DATE = 1/4/2008	DATE - 07-25-90	REVISED - R. SHAH 10-25-94								<b>BD500-01 (BD-7)</b>			
			REVISED - R. SHAH 06-12-96								CONTRACT NO. 61F49			



**NOTES:**

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
  - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
  - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

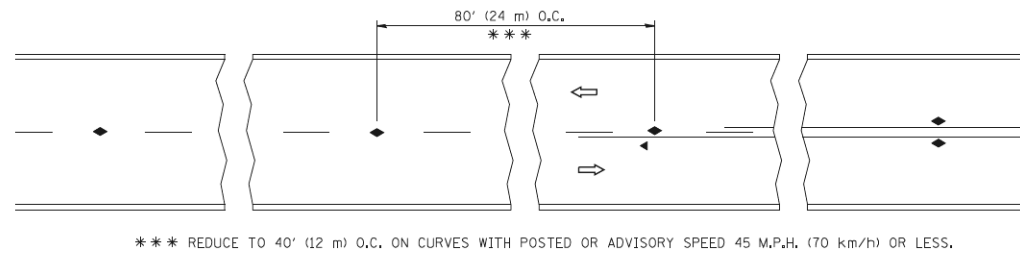
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Default	PLOT DATE = 9/15/2016	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

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

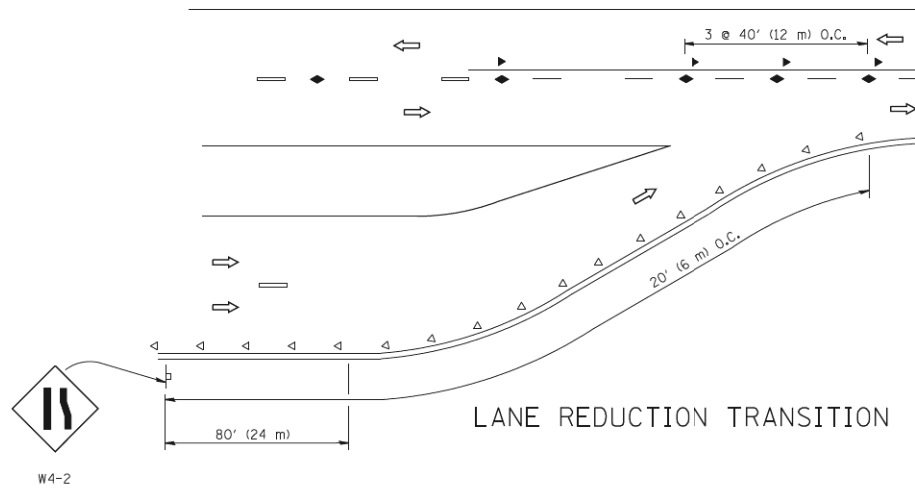
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 61F49	
ILLINOIS FED. AID PROJECT				

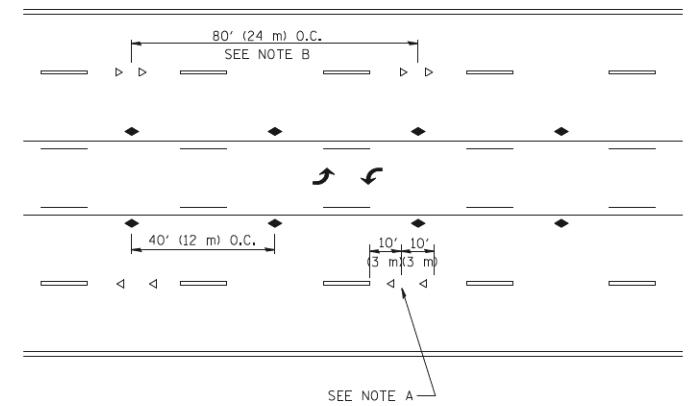


\*\*\* REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

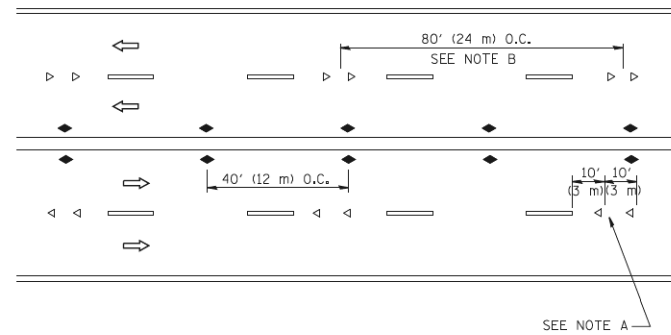
TWO-LANE/TWO-WAY



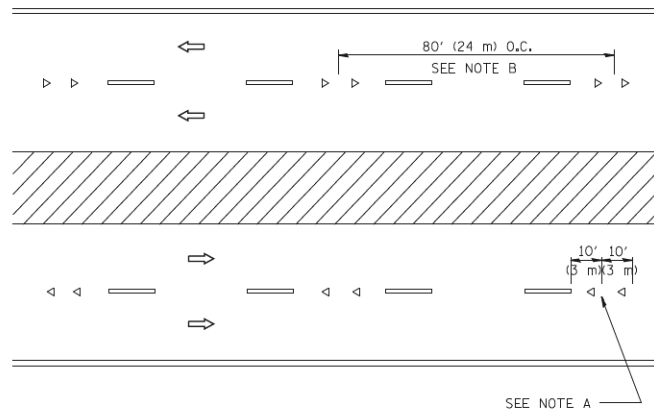
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

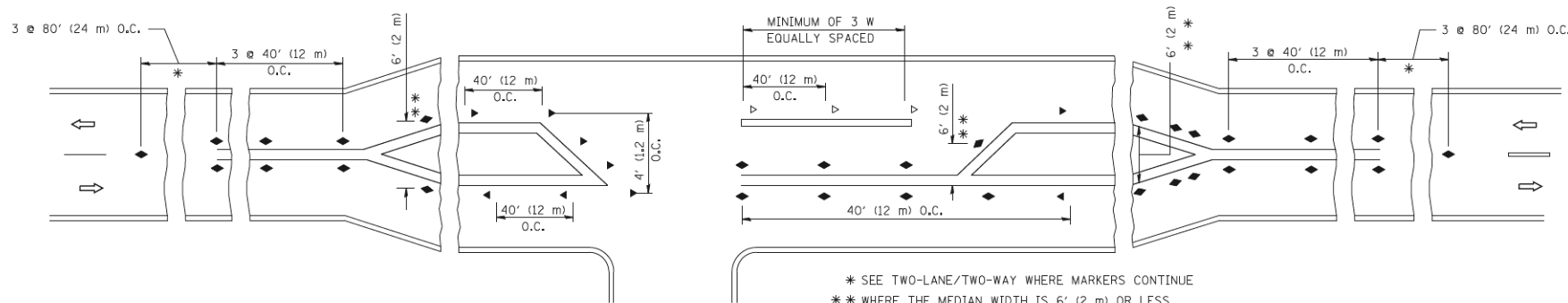
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

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



LEFT TURN

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

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

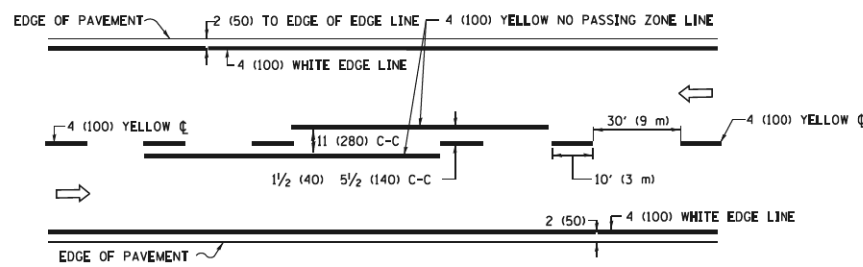
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

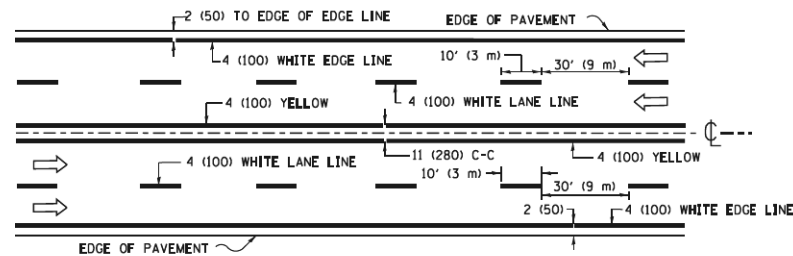
TYPICAL APPLICATIONS  
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

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

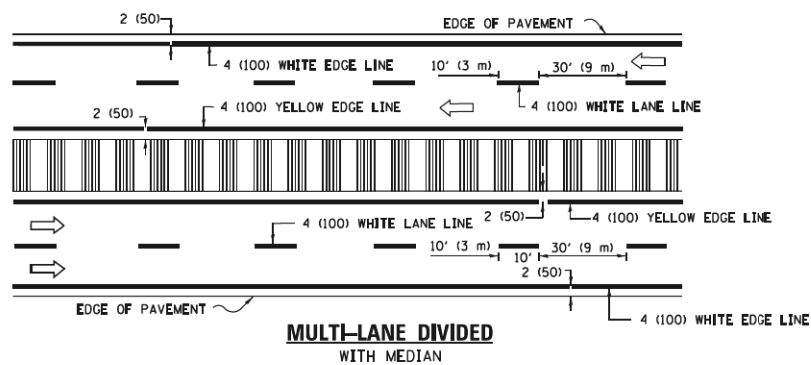
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1039	16-00053-00-RS	COOK	98	64
TC-11			CONTRACT NO. 61F49	
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				



**2-LANE ROADWAY**

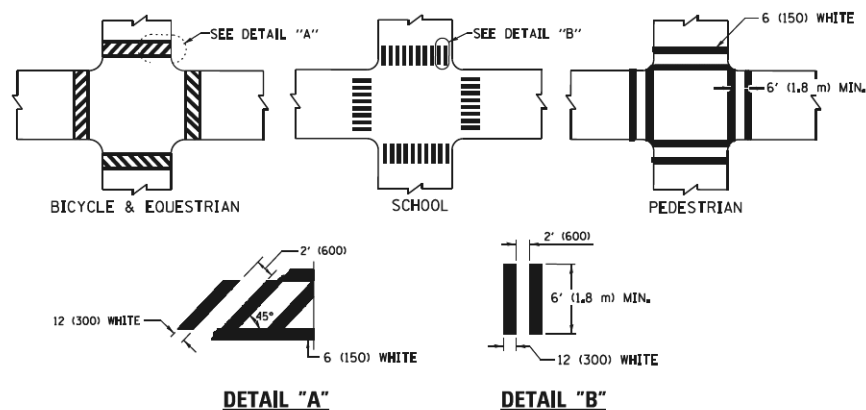


**MULTI-LANE UNDIVIDED**



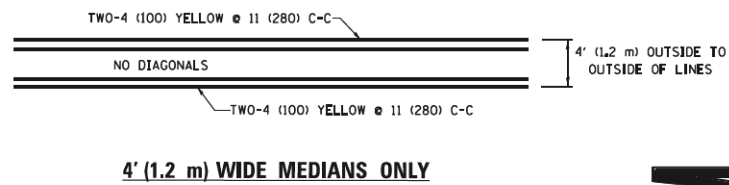
**MULTI-LANE DIVIDED WITH MEDIAN**

**TYPICAL LANE AND EDGE LINE MARKING**

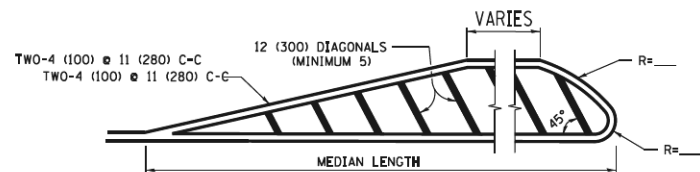


**DETAIL "A" DETAIL "B" TYPICAL CROSSWALK MARKING**

\* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



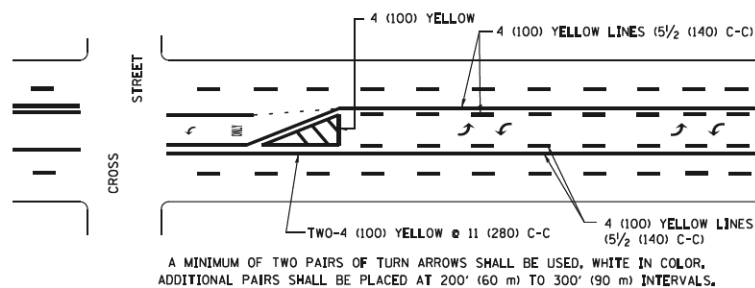
**4' (1.2 m) WIDE MEDIANS ONLY**



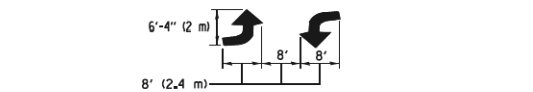
**MEDIANS OVER 4' (1.2 m) WIDE**

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

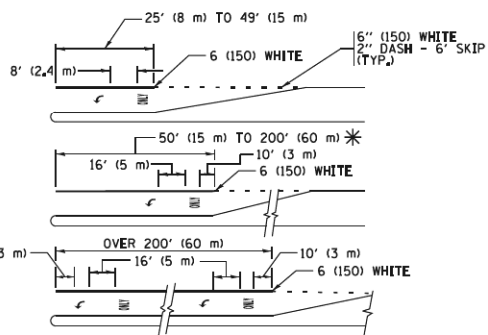
DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))  
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)  
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))



**MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING**



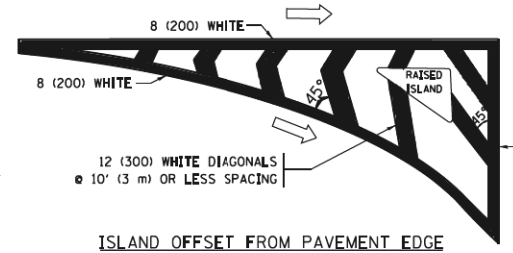
**MEDIAN WITH TWO-WAY LEFT TURN LANE**



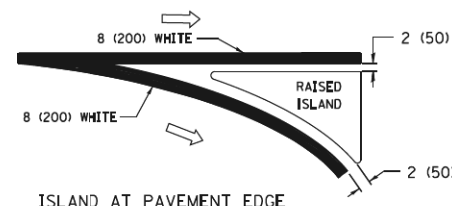
**TYPICAL LEFT (OR RIGHT) TURN LANE**

**TYPICAL TURN LANE MARKING**

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
\* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

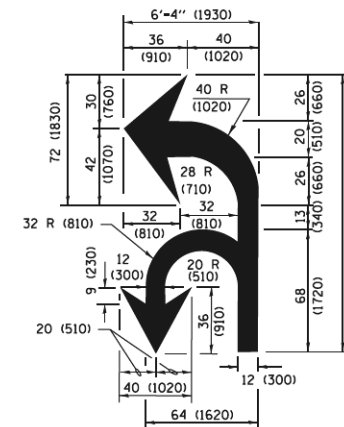


**ISLAND OFFSET FROM PAVEMENT EDGE**

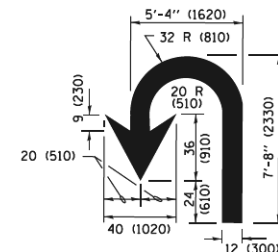


**ISLAND AT PAVEMENT EDGE**

**TYPICAL ISLAND MARKING**



**COMBINATION LEFT AND U-TURN**



**U-TURN**

**LANE REDUCTION TRANSITION**

\* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

FILE NAME =	USER NAME = foatemj	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
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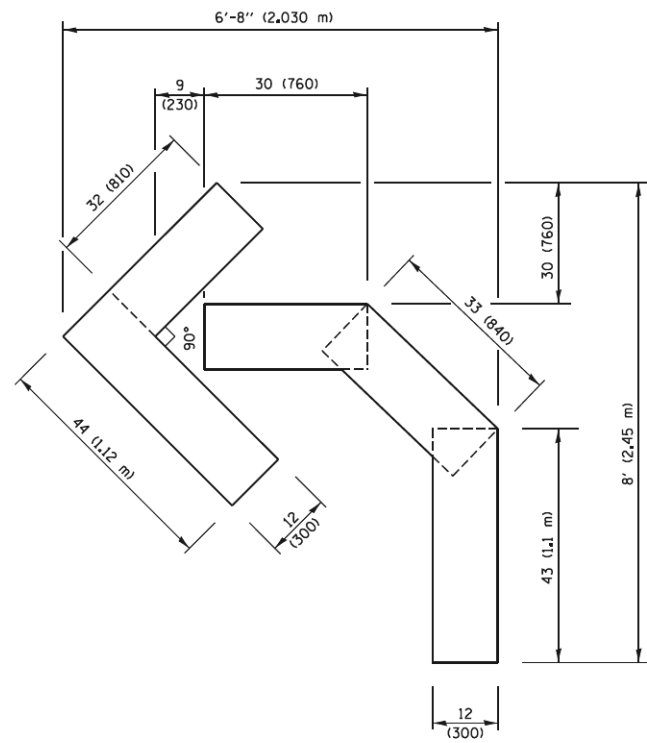
**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE TYPICAL PAVEMENT MARKINGS**

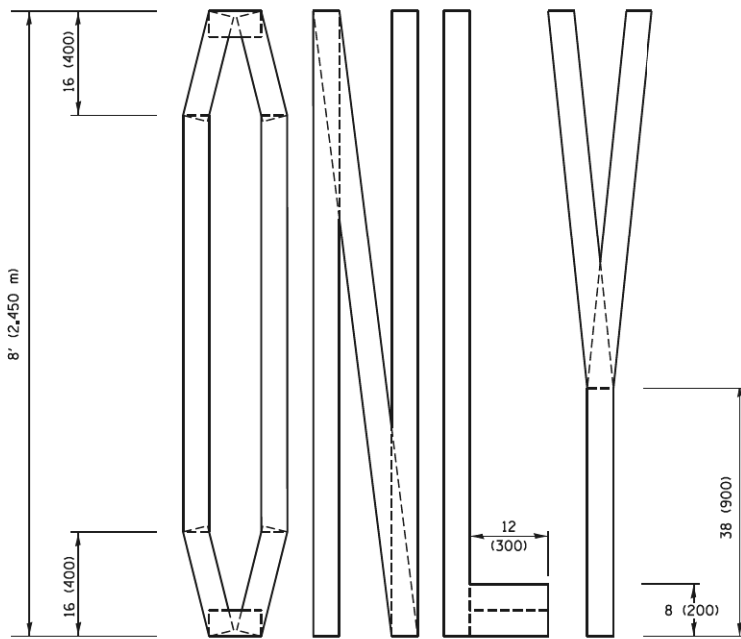
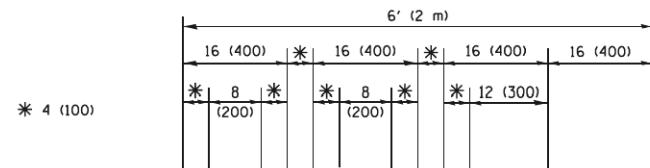
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-RS	COOK	98	65
TC-13		CONTRACT NO. 61F49		
ILLINOIS FED. AID PROJECT				

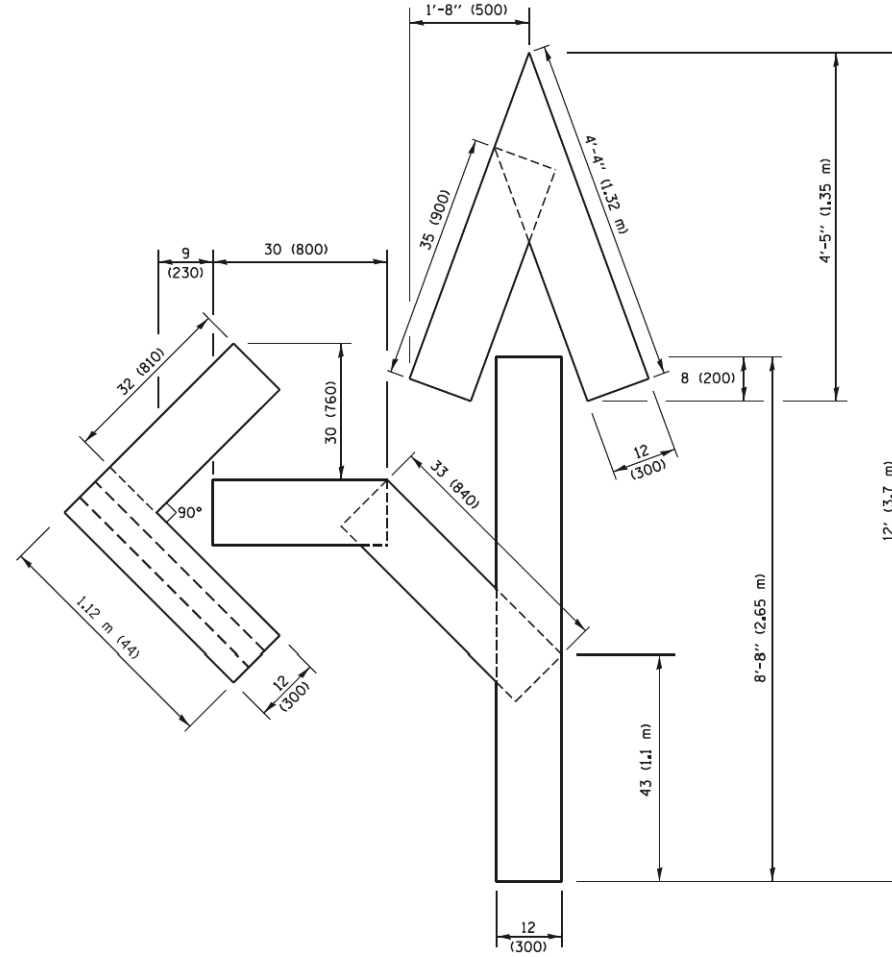




**QUANTITY**  
 4 (100) LINE = 45.5 ft. (13.9 m)  
 15.2 sq. ft. (1.41 sq. m)

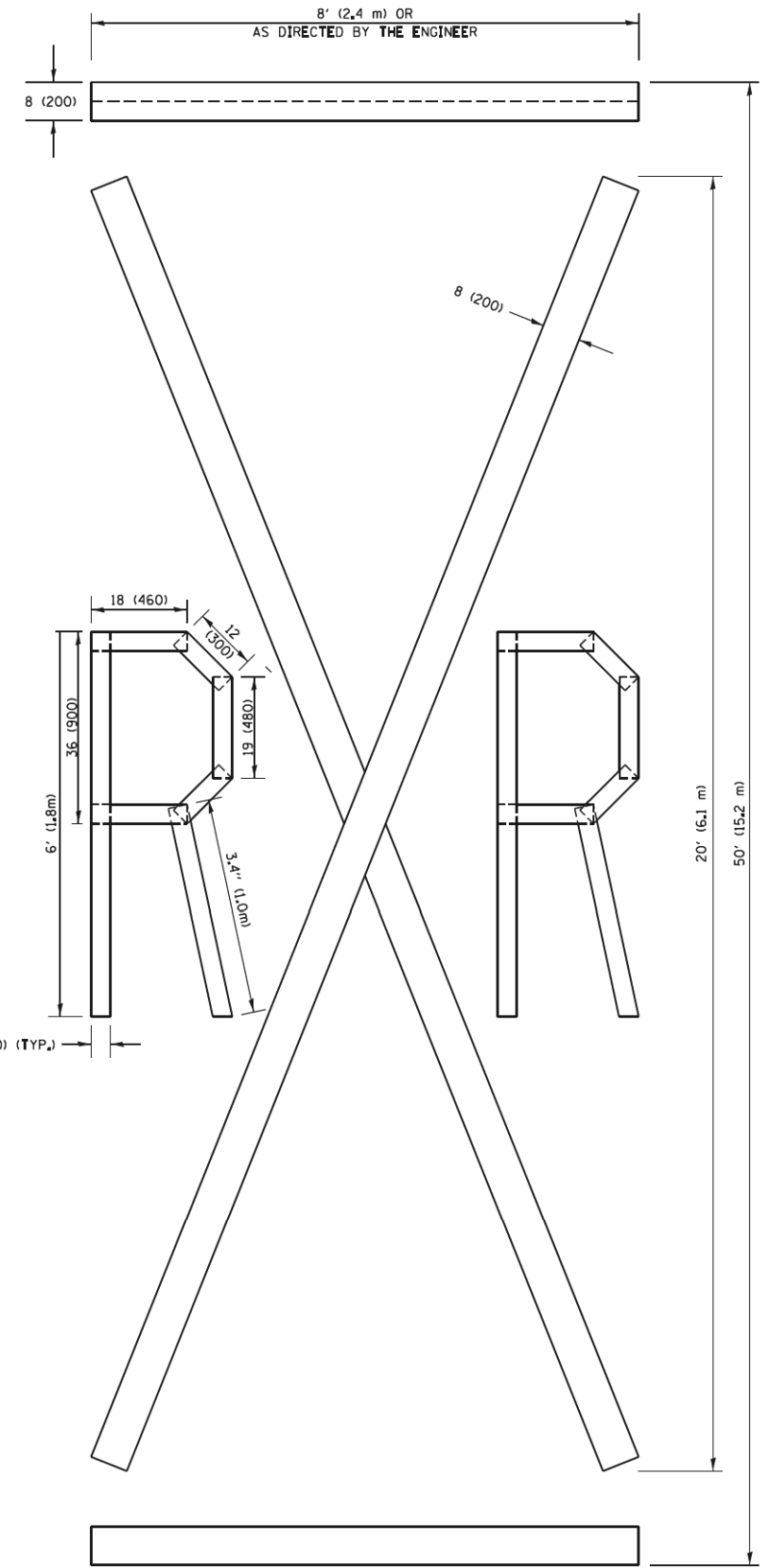


**QUANTITY**  
 4 (100) LINE = 64.1 ft. (19.5 m)  
 21.4 sq. ft. (1.99 sq. m)



**QUANTITY**  
 4 (100) LINE = 82.5 ft. (25.1 m)  
 27.5 sq. ft. (2.53 sq. m)

**NOTE:**  
 ALL QUANTITIES OF PLACEMENT ARE REPRESENTED  
 IN LINEAR FEET OF 4" LINES TO MATCH THE  
 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS  
 THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



**QUANTITY**  
 4 (100) LINE = 225.9 ft. (68.9 m)  
 75.3 sq. ft. (6.99 sq. m)

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

FILE NAME =	USER NAME = foatemj	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
pw2\IL084E\BID\INTEG\Illinois.gov\PIDOT\Documents\DOT Offices\District 1\Projects\Dist 1\BID\CAAD\CAADData\CAD\Sheets\tol6.dgn		CHECKED -	REVISED - E. GOMEZ 08-28-00
		DATE - 09-18-94	REVISED - E. GOMEZ 08-28-00
			REVISED - A. SCHUETZE 09-15-16




**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS**






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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-RS	COOK	98	66
TC-16		CONTRACT NO. 61F49		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				






**ROUTE MARKERS**

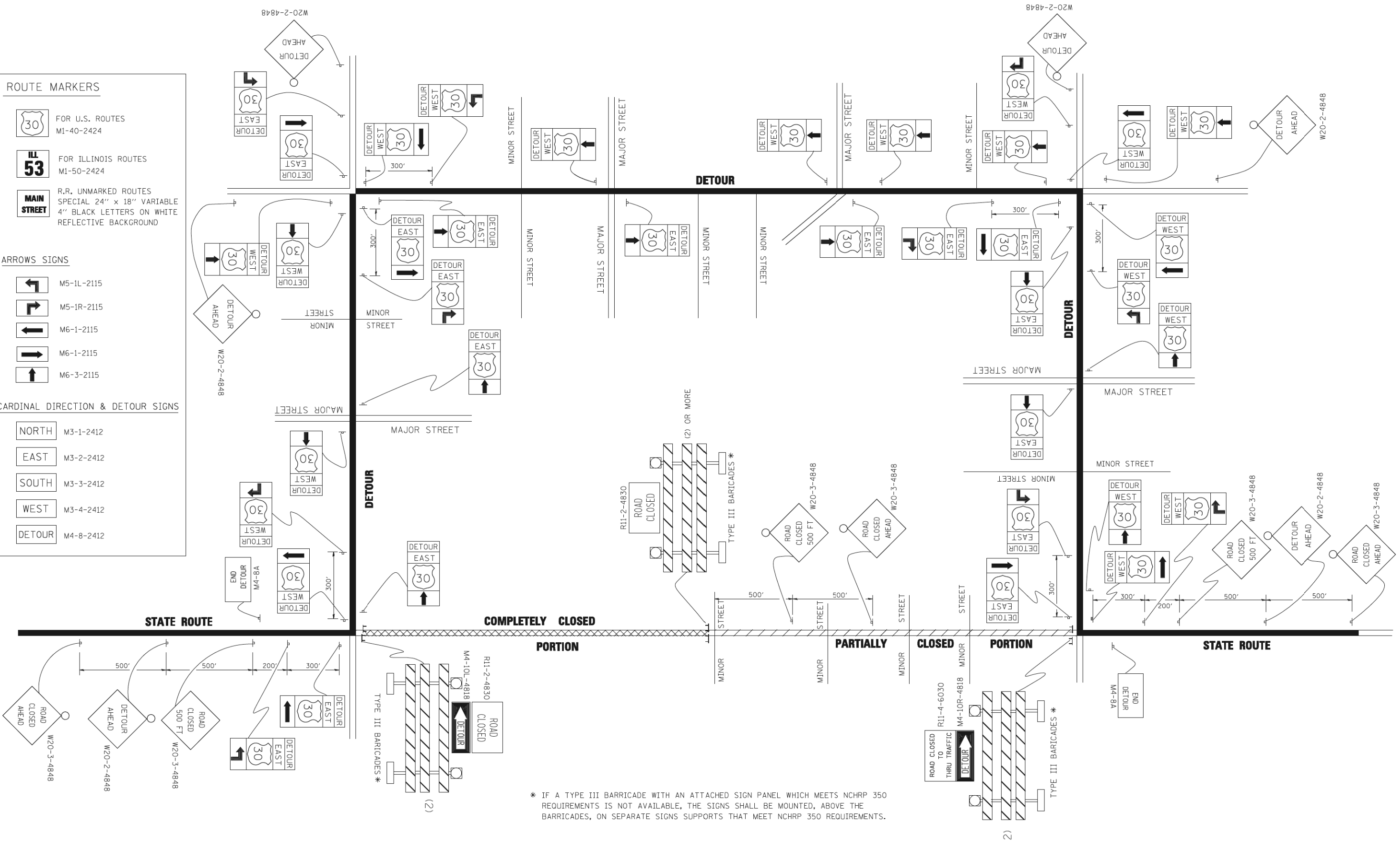
-  FOR U.S. ROUTES  
M1-40-2424
-  FOR ILLINOIS ROUTES  
M1-50-2424
-  R.R. UNMARKED ROUTES  
SPECIAL 24" x 18" VARIABLE  
4" BLACK LETTERS ON WHITE  
REFLECTIVE BACKGROUND

**ARROWS SIGNS**

-  M5-1L-2115
-  M5-1R-2115
-  M6-1-2115
-  M6-1-2115
-  M6-3-2115

**CARDINAL DIRECTION & DETOUR SIGNS**

-  NORTH M3-1-2412
-  EAST M3-2-2412
-  SOUTH M3-3-2412
-  WEST M3-4-2412
-  DETOUR M4-8-2412



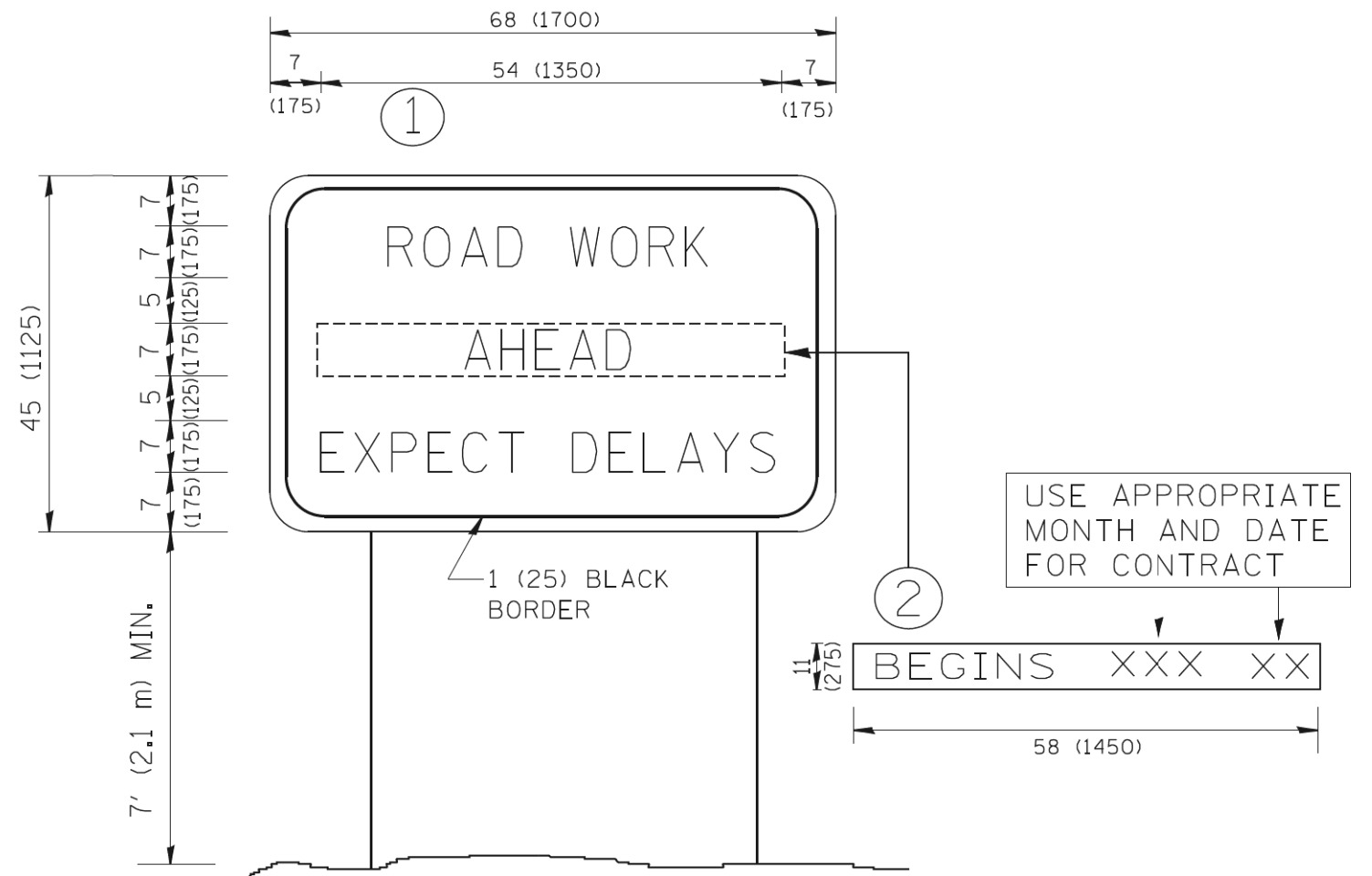
\* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.

FILE NAME =	USER NAME = drivakosgn	DESIGNED -	REVISED - 10-18-02
c:\pw\work\p\WIDOT\DRIVAKOSGN\d8108315\1221.dgn		DRAWN -	REVISED - R. BORO 09-14-09
		PLOT SCALE = 49.9999 / IN.	REVISED -
		PLOT DATE = 9/14/2009	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETOUR SIGNING FOR CLOSING STATE HIGHWAYS</b>	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.I.D. NO. 1039	SECTION 16-00053-00-RS	COUNTY COOK	TOTAL SHEETS 98	SHEET NO. 67
TC-21		CONTRACT NO. 61F49		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**NOTES:**

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

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

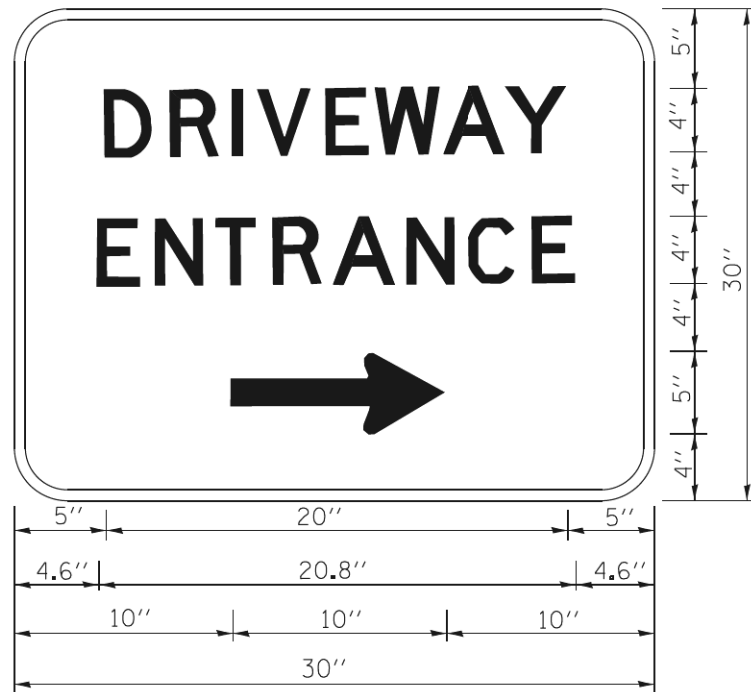
FILE NAME = W:\diststd\22x34\to22.dgn	USER NAME = gegl.enobt	DESIGNED - DRAWN -	REVISED - R. MIRS 09-15-97
PLOT SCALE = 50,000 / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99	
PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD  
INFORMATION SIGN**

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

F.A.U. RTE. 1039	SECTION 16-00053-00-RS	COUNTY COOK	TOTAL SHEETS 98	SHEET NO. 68
TC-22			CONTRACT NO. 61F49	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED  
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

**NOTES:**

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

FILE NAME =	USER NAME = geglennob	DESIGNED -	REVISED - C. JUCIUS 02-15-07
ct\p\work\pwt\dot\gaglenob\0108315\to\6.dgn		DRAWN -	REVISED -
	PLOT SCALE = 50,000' / 1"	CHECKED -	REVISED -
	PLOT DATE = 12/13/2012	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY ENTRANCE SIGNING**

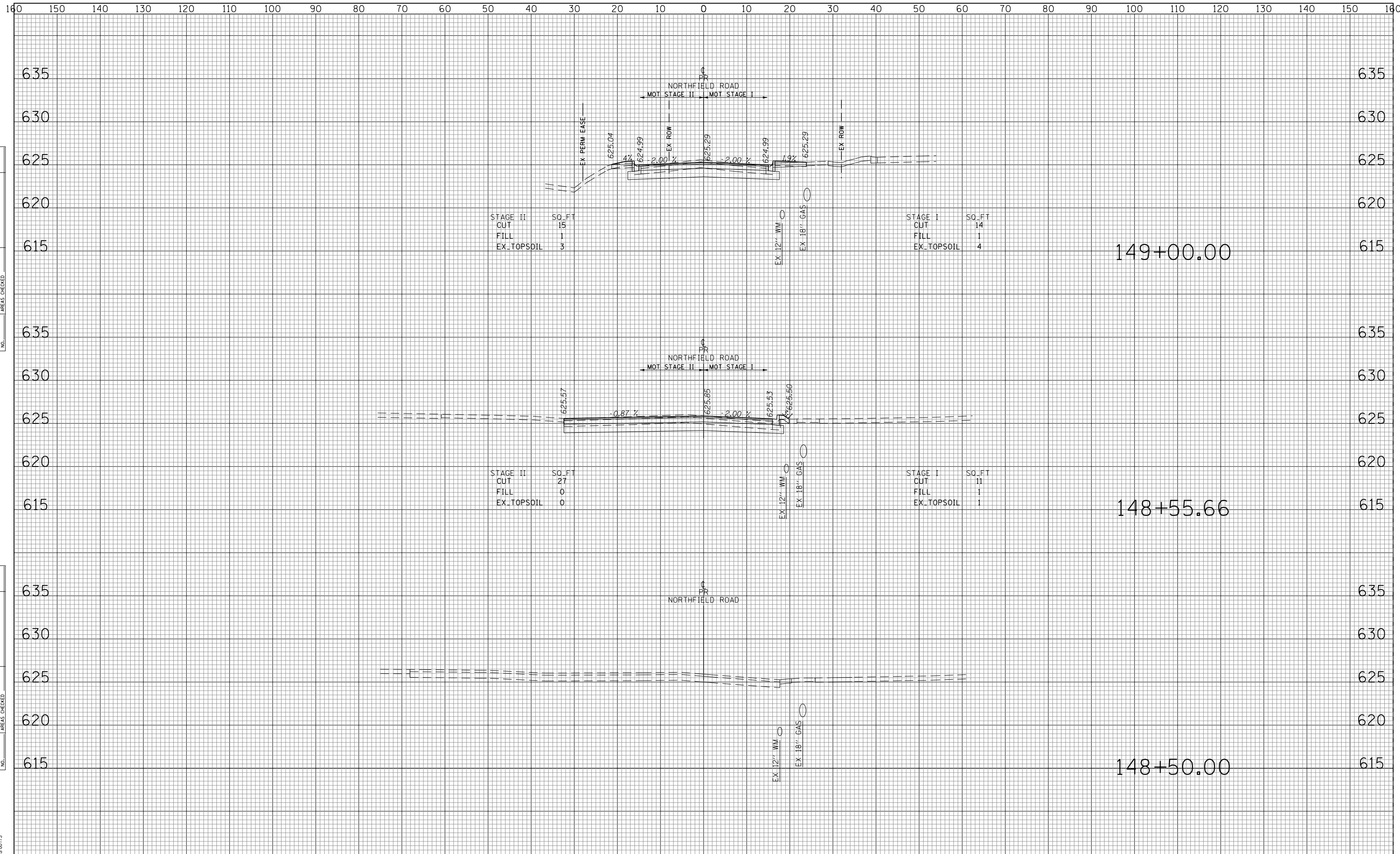
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-RS	COOK	98	69
TC-26			CONTRACT NO. 61F49	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

TranSystems  
 1475 EAST WOODFIELD ROAD SUITE 600  
 SCHAMBERG, ILLINOIS 60173  
 (847) 695-9600



STAGE II	SO.FT
CUT	15
FILL	1
EX.TOPSOIL	3

STAGE I	SO.FT
CUT	14
FILL	1
EX.TOPSOIL	4

STAGE II	SO.FT
CUT	27
FILL	0
EX.TOPSOIL	0

STAGE I	SO.FT
CUT	11
FILL	1
EX.TOPSOIL	1

FILE NAME =  
 Invalid expression'

USER NAME	= Mibeering
DESIGNED	- MLB
DRAWN	- MLB
CHECKED	- DWB
DATE	-11/26/2018
PLOT SCALE	= 50 SCALE
PLOT DATE	= 11/21/2018

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**NORTHFIELD ROAD CROSS SECTIONS**

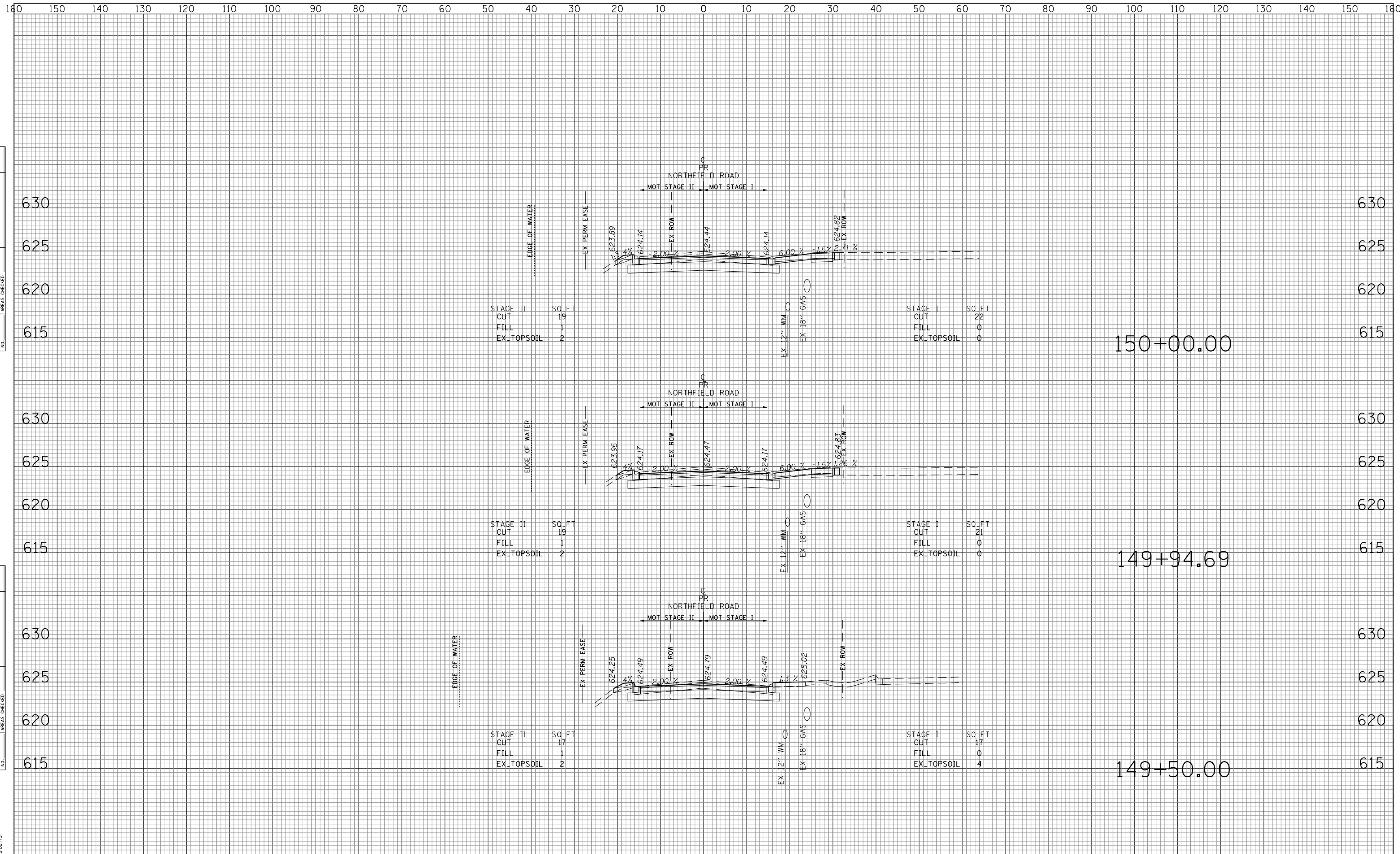
SCALE: 10H:5V SHEET NO. 1 OF 29 SHEETS STA. 148+50.00 TO STA. 149+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-RS	COOK	98	70
CONTRACT NO. 61F49			ILLINOIS FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
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DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

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 SCHAMBERG, ILLINOIS 60173  
 (847) 695-9800



STAGE II	SO.FT
CUT	19
FILL	1
EX-TOPSOIL	2

STAGE I	SO.FT
CUT	22
FILL	0
EX-TOPSOIL	0

STAGE II	SO.FT
CUT	19
FILL	1
EX-TOPSOIL	2

STAGE I	SO.FT
CUT	21
FILL	0
EX-TOPSOIL	0

STAGE II	SO.FT
CUT	17
FILL	1
EX-TOPSOIL	2

STAGE I	SO.FT
CUT	17
FILL	0
EX-TOPSOIL	4

FILE NAME =  
 Invalid expression'

USER NAME = Mibeering	DESIGNED - MLB	REVISED -
	DRAWN - MLB	REVISED -
PLOT SCALE = 50 SCALE	CHECKED - DWB	REVISED -
PLOT DATE = 11/21/2018	DATE -11/26/2018	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**NORTHFIELD ROAD CROSS SECTIONS**

SCALE: 10H:5V SHEET NO. 2 OF 29 SHEETS STA. 149+50.00 TO STA. 150+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-RS	COOK	98	71
CONTRACT NO. 61F49			ILLINOIS FED. AID PROJECT	

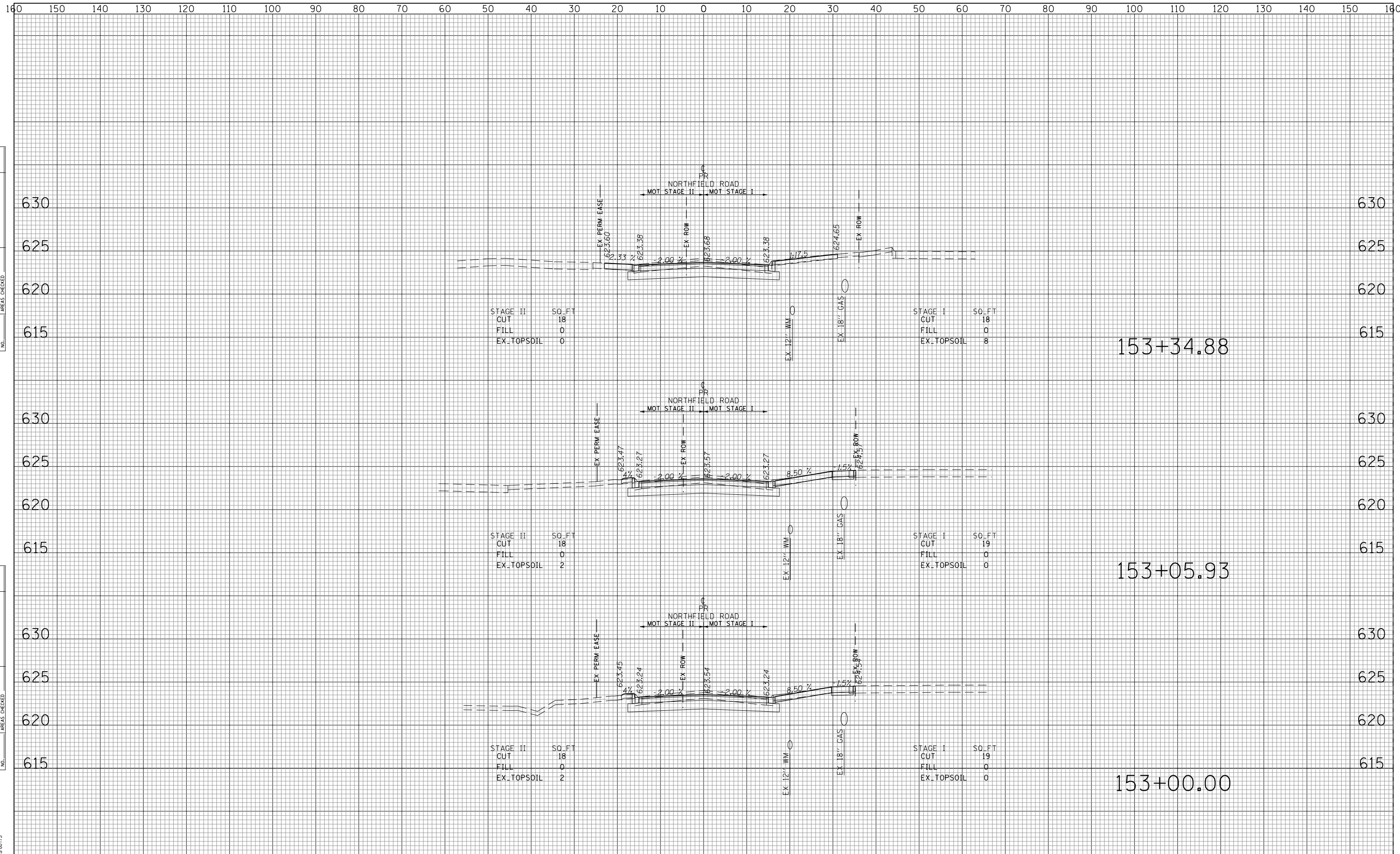






DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



FILE NAME =  
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USER NAME = Mibeering	DESIGNED - MLB	REVISED -
	DRAWN - MLB	REVISED -
PLOT SCALE = 50 SCALE	CHECKED - DWB	REVISED -
PLOT DATE = 11/21/2018	DATE - 11/26/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**NORTHFIELD ROAD CROSS SECTIONS**

SCALE: 10H:5V    SHEET NO. 5 OF 29 SHEETS    STA. 153+00.00 TO STA. 153+34.88

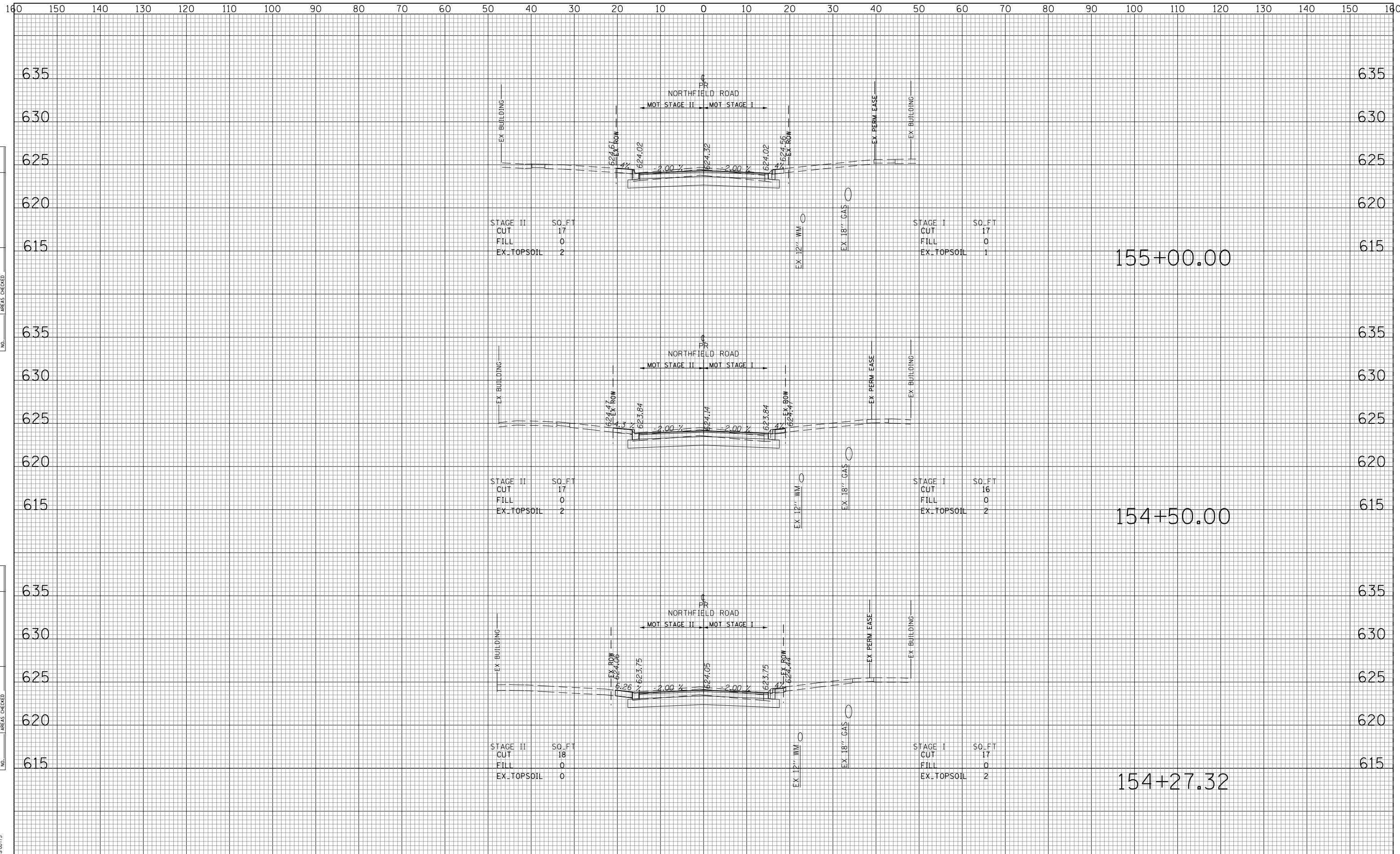
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-RS	COOK	98	74
CONTRACT NO. 61F49			ILLINOIS FED. AID PROJECT	



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

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

TranSystems  
 1475 EAST WOODFIELD ROAD SUITE 600  
 SCHAMBERG, ILLINOIS 60173  
 (847) 695-9600



STAGE II	SO. FT
CUT	17
FILL	0
EX. TOPSOIL	2

STAGE I	SO. FT
CUT	17
FILL	0
EX. TOPSOIL	1

STAGE II	SO. FT
CUT	17
FILL	0
EX. TOPSOIL	2

STAGE I	SO. FT
CUT	16
FILL	0
EX. TOPSOIL	2

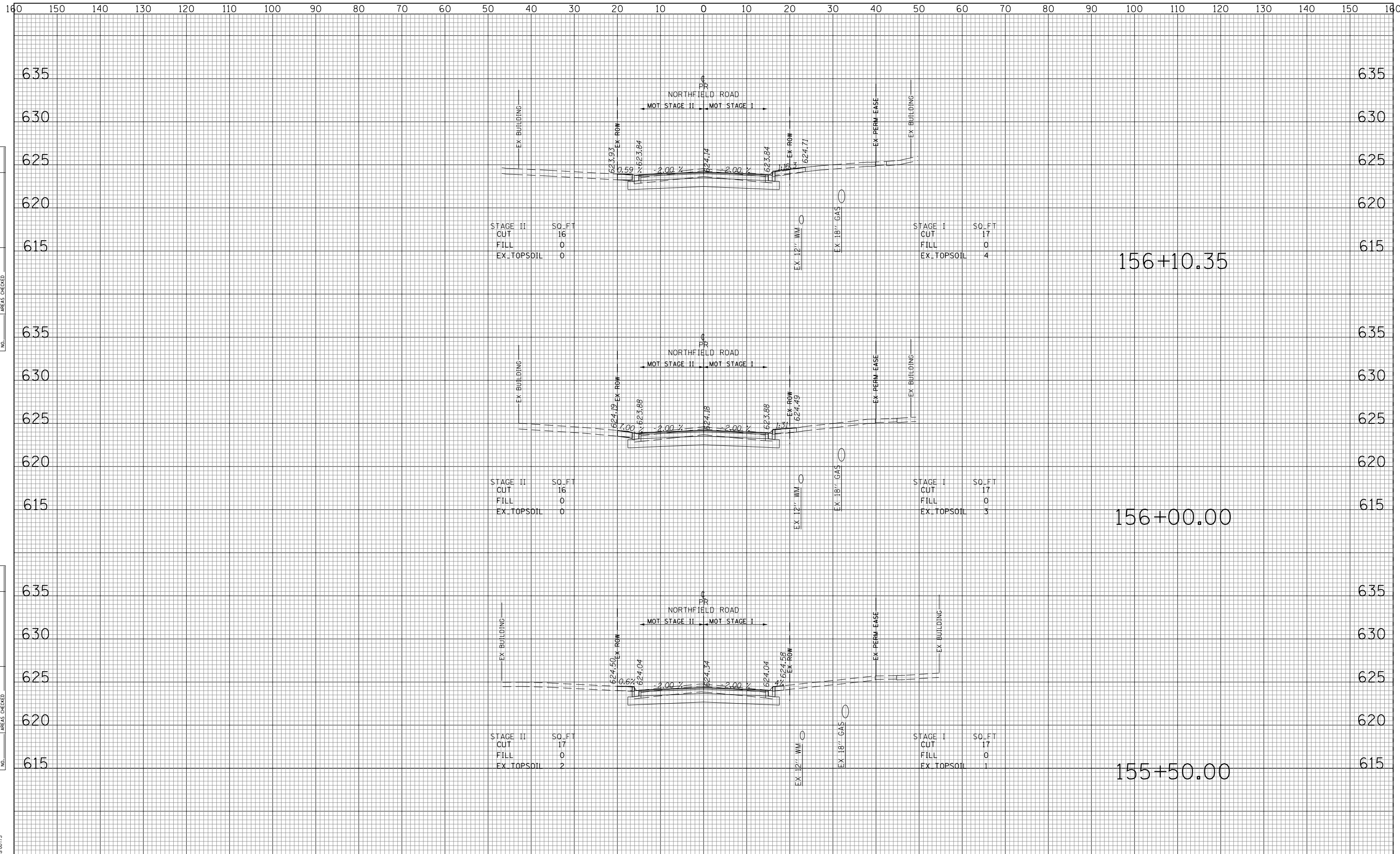
STAGE II	SO. FT
CUT	18
FILL	0
EX. TOPSOIL	0

STAGE I	SO. FT
CUT	17
FILL	0
EX. TOPSOIL	2

DATE	
BY	
FINAL SURVEY NO.	
SURVEYED PLOTTED TEMPLATE AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED PLOTTED TEMPLATE AREAS CHECKED	

TranSystems  
 1475 EAST WOODFIELD ROAD SUITE 600  
 Schaumburg, Illinois 60193  
 (847) 695-9800



FILE NAME =  
 Invalid expression

USER NAME = Mibeering	DESIGNED - MLB	REVISED -
	DRAWN - MLB	REVISED -
PLOT SCALE = 50 SCALE	CHECKED - DWB	REVISED -
PLOT DATE = 11/21/2018	DATE - 11/26/2018	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

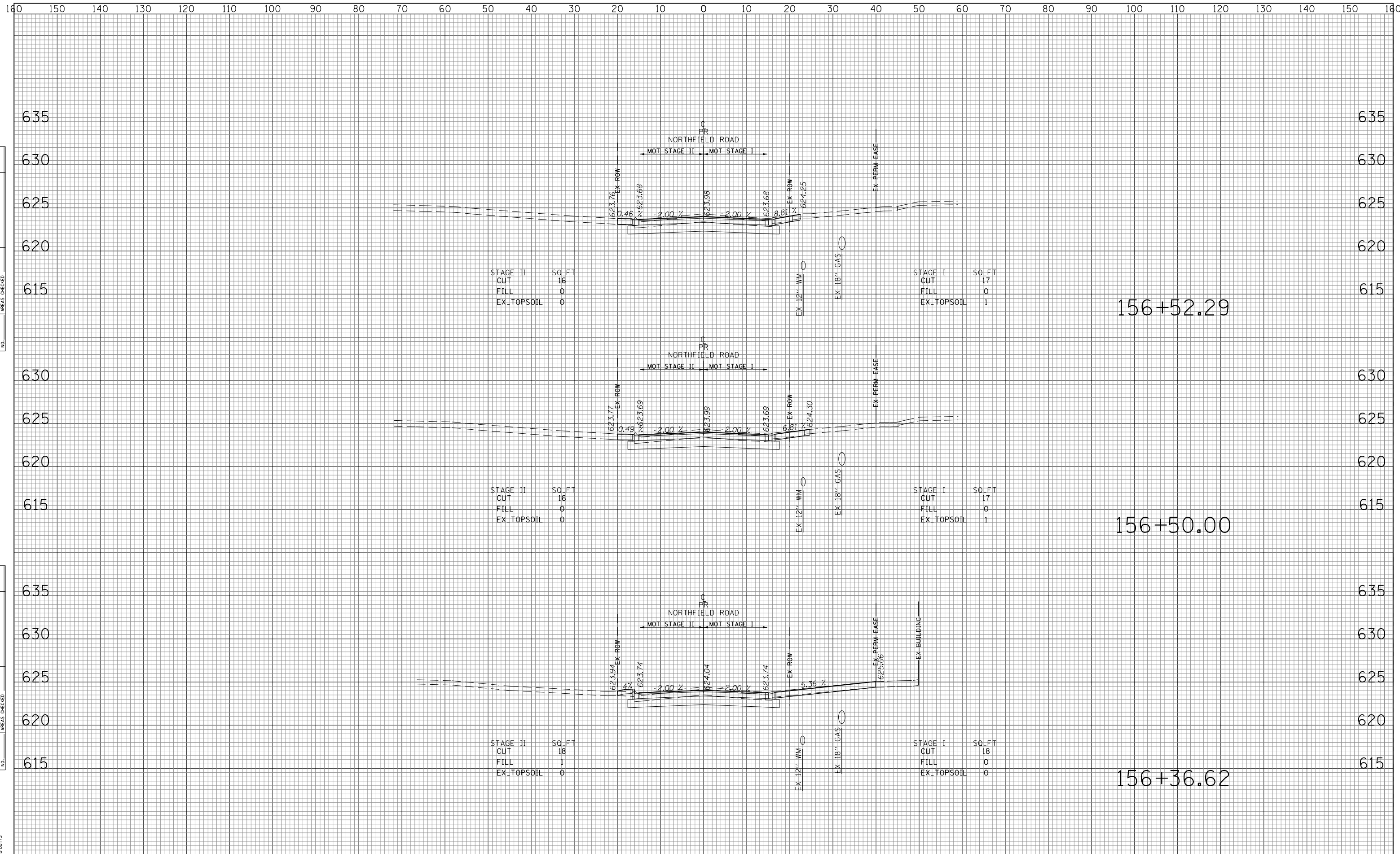
**NORTHFIELD ROAD CROSS SECTIONS**  
 SCALE: 10H:5V SHEET NO. 8 OF 29 SHEETS STA. 155+50.00 TO STA. 156+10.35

F.A.U. RTE. 1039	SECTION 16-00053-00-RS	COUNTY COOK	TOTAL SHEETS 98	SHEET NO. 77
CONTRACT NO. 61F49			ILLINOIS FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

TranSystems  
 1475 EAST WOODFIELD ROAD SUITE 600  
 SCHAMBERG, ILLINOIS 60173  
 (847) 695-9600



STAGE II SO.FT  
 CUT 16  
 FILL 0  
 EX.TOPSOIL 0

STAGE I SO.FT  
 CUT 17  
 FILL 0  
 EX.TOPSOIL 1

STAGE II SO.FT  
 CUT 16  
 FILL 0  
 EX.TOPSOIL 0

STAGE I SO.FT  
 CUT 17  
 FILL 0  
 EX.TOPSOIL 1

STAGE II SO.FT  
 CUT 18  
 FILL 1  
 EX.TOPSOIL 0

STAGE I SO.FT  
 CUT 18  
 FILL 0  
 EX.TOPSOIL 0

156+52.29

156+50.00

156+36.62

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

NORTHFIELD ROAD CROSS SECTIONS

FILE NAME =  
 Invalid expression

USER NAME	= Mibeering
DESIGNED	- MLB
DRAWN	- MLB
CHECKED	- DWB
DATE	-11/26/2018
PLOT SCALE	= 50 SCALE
PLOT DATE	= 11/21/2018

REVISED	-
REVISED	-
REVISED	-
REVISED	-

SCALE: 10H:5V SHEET NO. 9 OF 29 SHEETS STA. 156+36.62 TO STA. 156+52.29

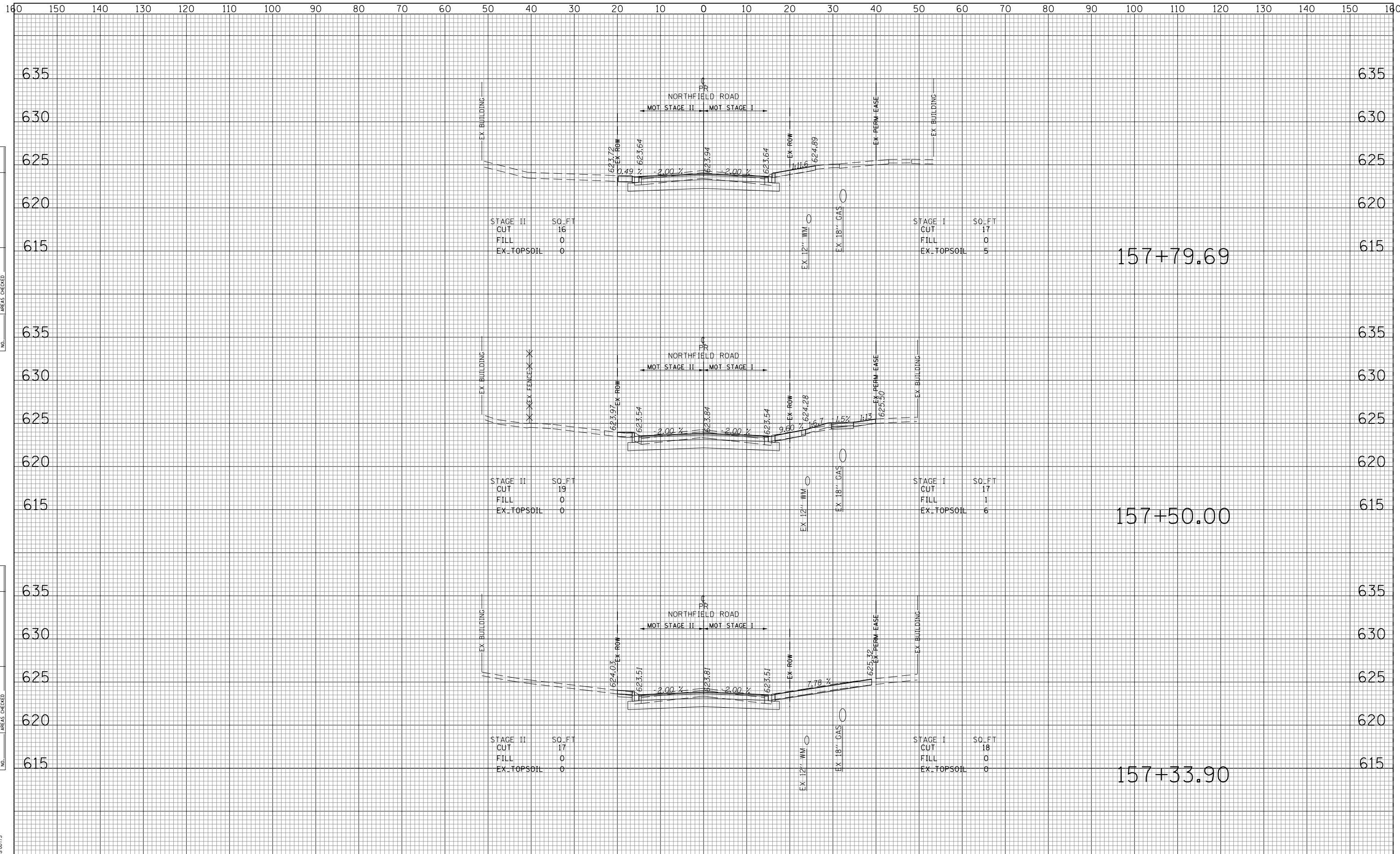
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-RS	COOK	98	78
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61F49	



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

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

TranSystems  
 1475 EAST WOODFIELD ROAD SUITE 600  
 SCHAMBERG, ILLINOIS 60173  
 (847) 695-9600



FILE NAME =  
 Invalid expression'

USER NAME = Mibeering	DESIGNED - MLB	REVISED -
	DRAWN - MLB	REVISED -
PLOT SCALE = 50 SCALE	CHECKED - DWB	REVISED -
PLOT DATE = 11/21/2018	DATE - 11/26/2018	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

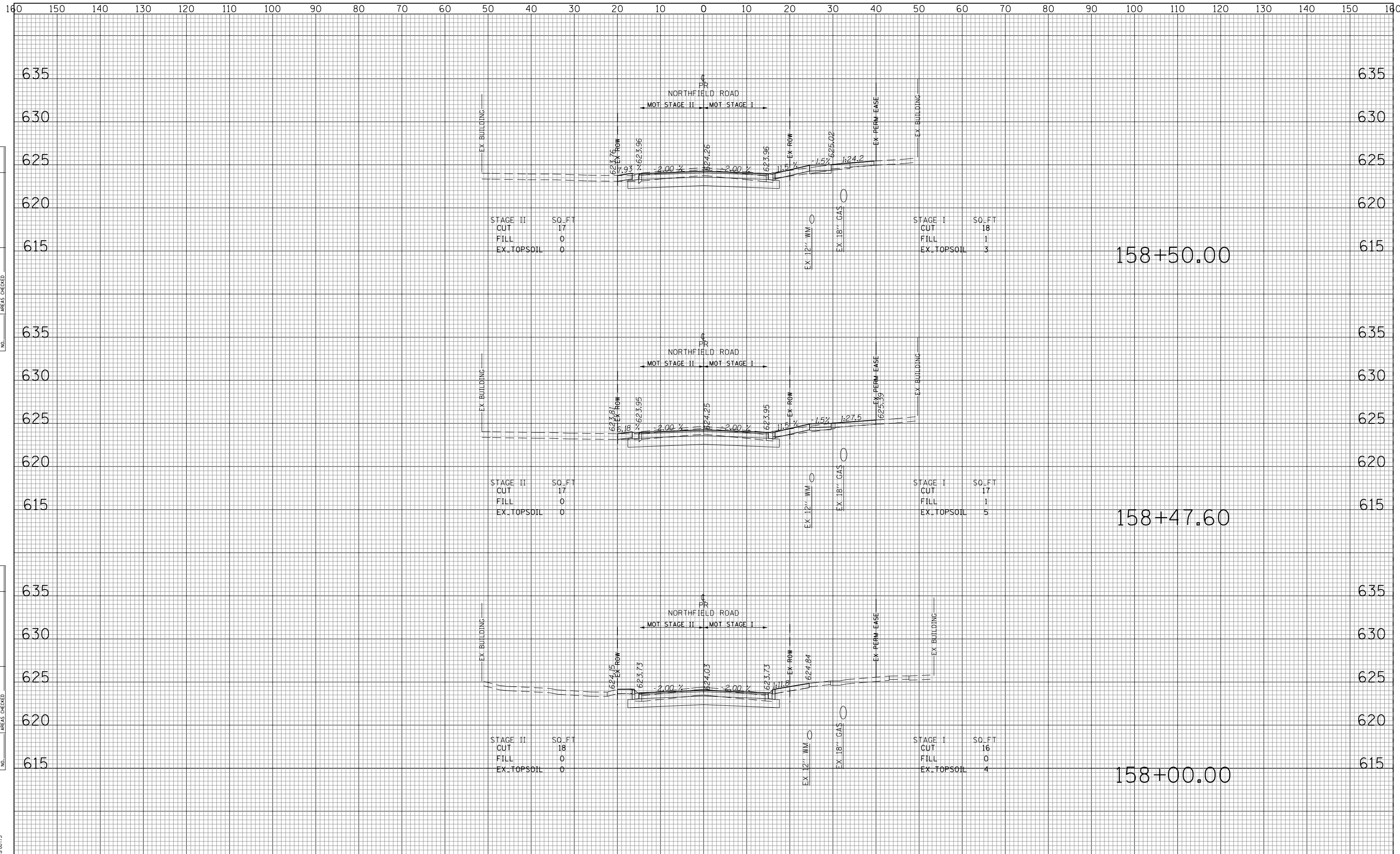
**NORTHFIELD ROAD CROSS SECTIONS**  
 SCALE: 10H:5V SHEET NO. 11 OF 29 SHEETS STA. 157+33.90 TO STA. 157+79.69

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-RS	COOK	98	80
CONTRACT NO. 61F49			ILLINOIS FED. AID PROJECT	

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

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

TranSystems  
 1475 EAST WOODFIELD ROAD SUITE 600  
 SCHAMBERG, ILLINOIS 60173  
 (847) 695-9600

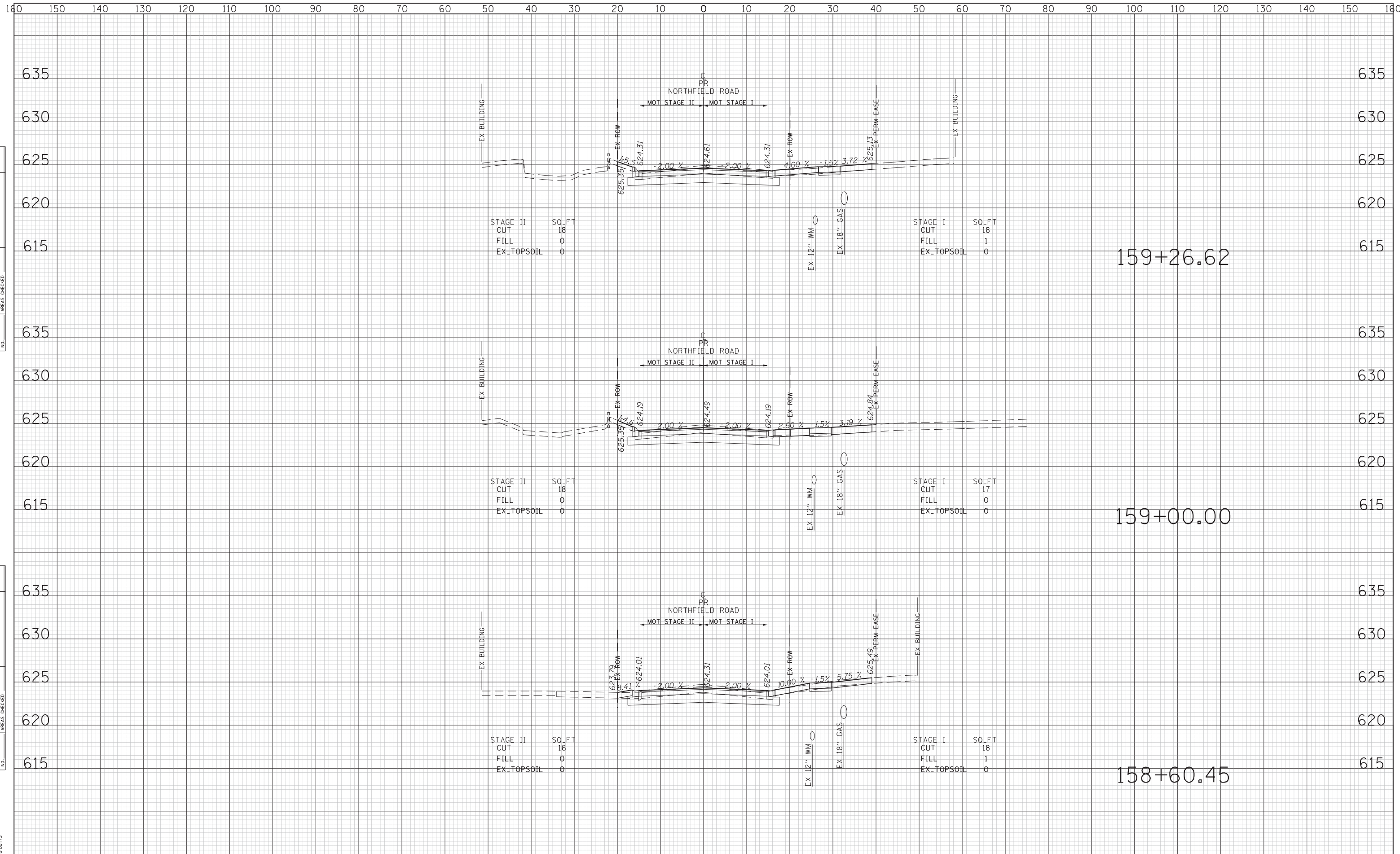




DATE	
BY	
FINISHED SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

TranSystems  
1475 EAST WOODFIELD ROAD SUITE 600  
SCHAMBERG, ILLINOIS 60173  
(847) 695-8600



FILE NAME =  
Invalid expression'

USER NAME = ttpolarinos	DESIGNED - MLB	REVISED -
	DRAWN - MLB	REVISED -
PLOT SCALE = 50 SCALE	CHECKED - DWB	REVISED -
PLOT DATE = 1/3/2019	DATE -11/26/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

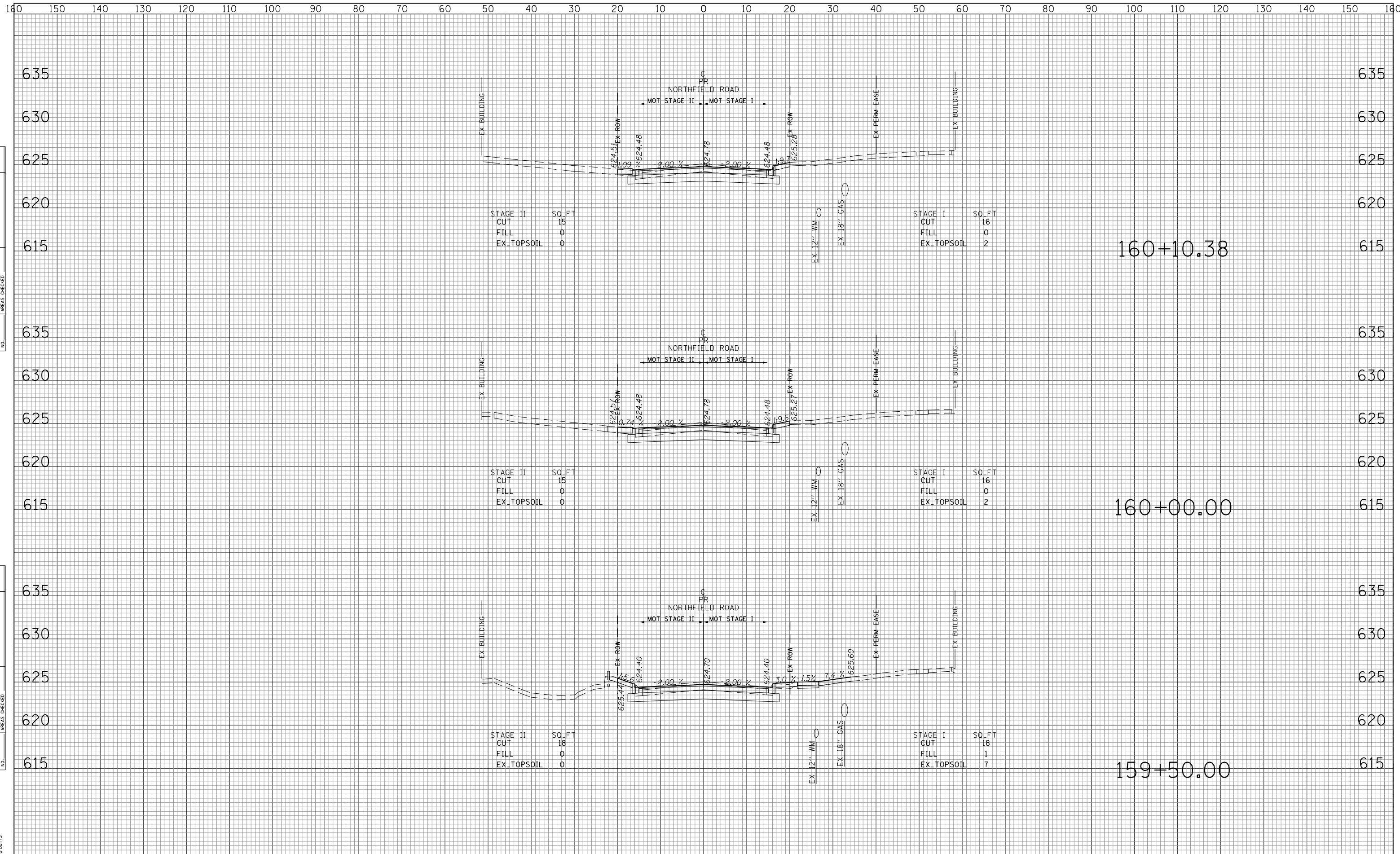
**NORTHFIELD ROAD CROSS SECTIONS**  
SCALE: 10H:5V SHEET NO. 13 OF 29 SHEETS STA. 158+60.45 TO STA. 159+26.62

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-RS	COOK	98	82
CONTRACT NO. 61F49			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY NO.	
SURVEYED PLOTTED TEMPLATE AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED PLOTTED TEMPLATE AREAS CHECKED	

TranSystems  
 1475 EAST WOODFIELD ROAD SUITE 600  
 SCHAMBERG, ILLINOIS 60173  
 (847) 695-9800



FILE NAME =  
 Invalid expression'

USER NAME =	ttpolarinos
DESIGNED -	MLB
DRAWN -	MLB
CHECKED -	DWB
DATE	-11/26/2018

REVISD -	
REVISD -	
REVISD -	
REVISD -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

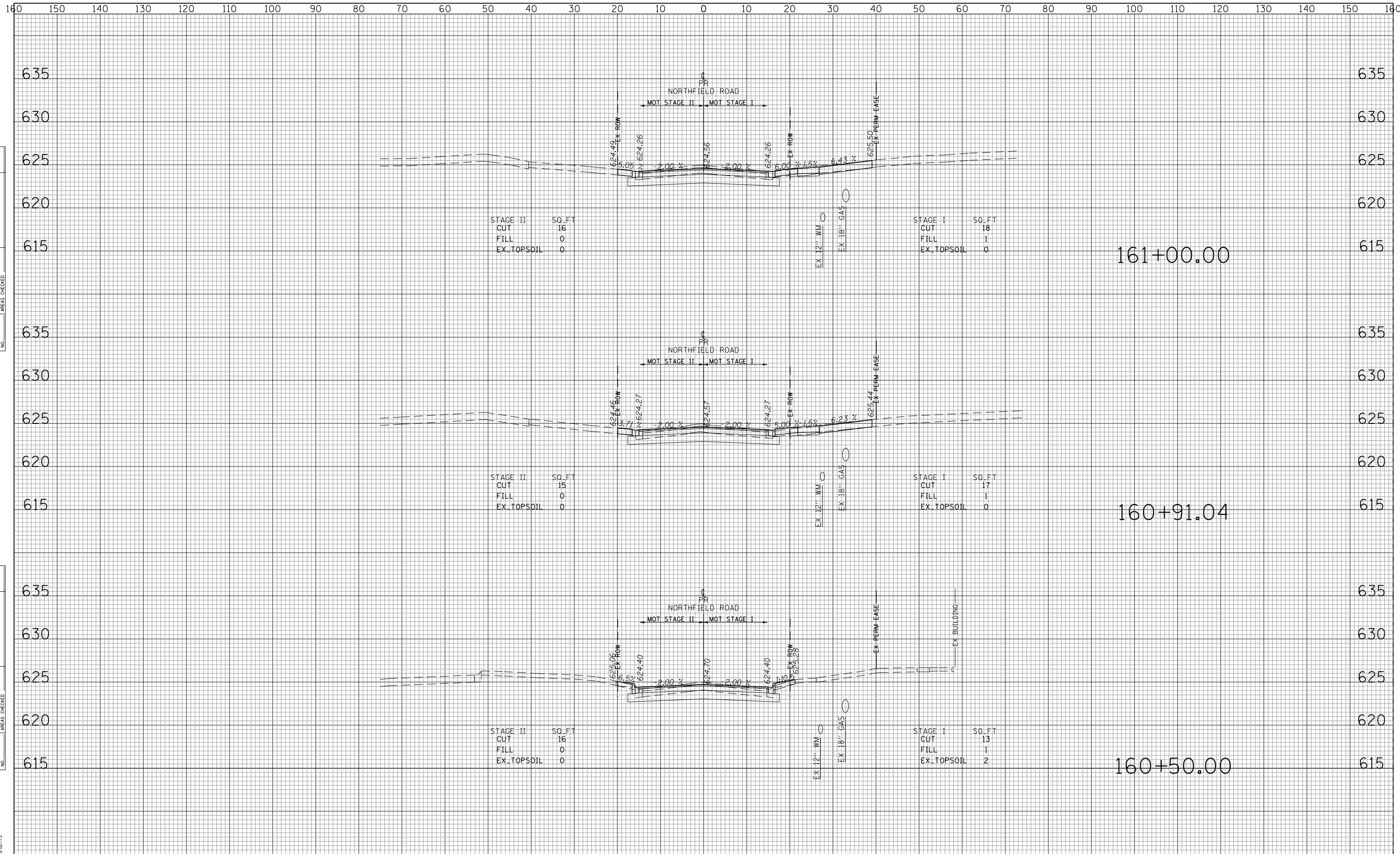
**NORTHFIELD ROAD CROSS SECTIONS**  
 SCALE: 10H:5V SHEET NO. 14 OF 29 SHEETS STA. 159+50.00 TO STA. 160+10.38

F.A.U. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-RS	COOK	98	83
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61F49	

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

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

TranSystems  
 1475 EAST WOODFIELD ROAD SUITE 600  
 SCHAMBERG, ILLINOIS 60173  
 (847) 695-9800



FILE NAME =  
 Invalid expression

USER NAME = Mibeering	DESIGNED - MLB	REVISIED -
	DRAWN - MLB	REVISIED -
PLOT SCALE = 50 SCALE	CHECKED - DWB	REVISIED -
PLOT DATE = 11/21/2018	DATE -11/26/2018	REVISIED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

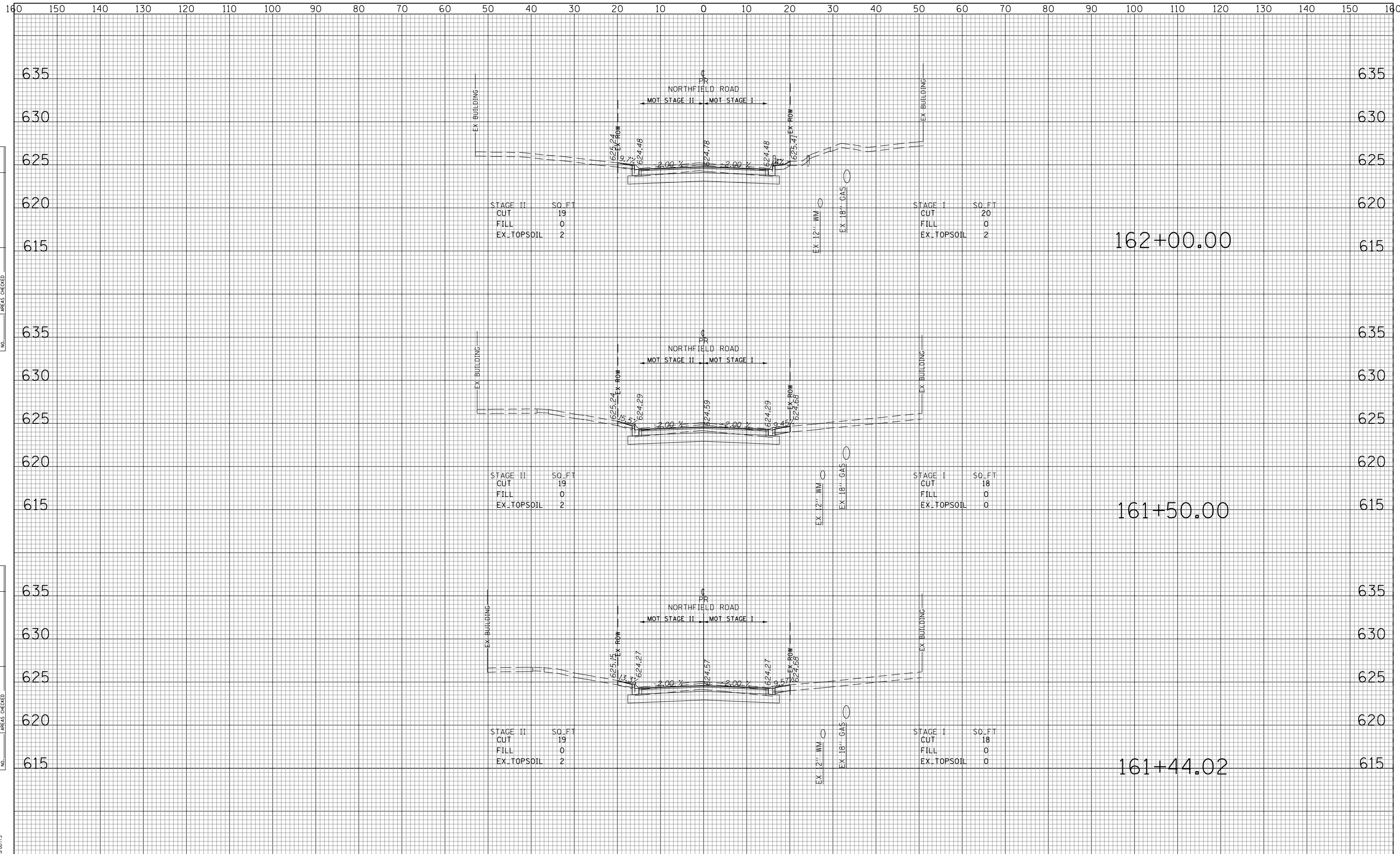
**NORTHFIELD ROAD CROSS SECTIONS**  
 SCALE: 10H:5V SHEET NO. 15 OF 29 SHEETS STA. 160+50.00 TO STA. 161+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-RS	COOK	98	84
CONTRACT NO. 61F49			ILLINOIS FED. AID PROJECT	

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

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

TranSystems  
 1475 EAST WOODFIELD ROAD SUITE 600  
 SCHAMBERG, ILLINOIS 60173  
 (847) 695-9800



FILE NAME =  
 Invalid expression

USER NAME = Mibeering	DESIGNED - MLB	REVISED -
	DRAWN - MLB	REVISED -
PLOT SCALE = 50 SCALE	CHECKED - DWB	REVISED -
PLOT DATE = 11/21/2018	DATE - 11/26/2018	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**NORTHFIELD ROAD CROSS SECTIONS**

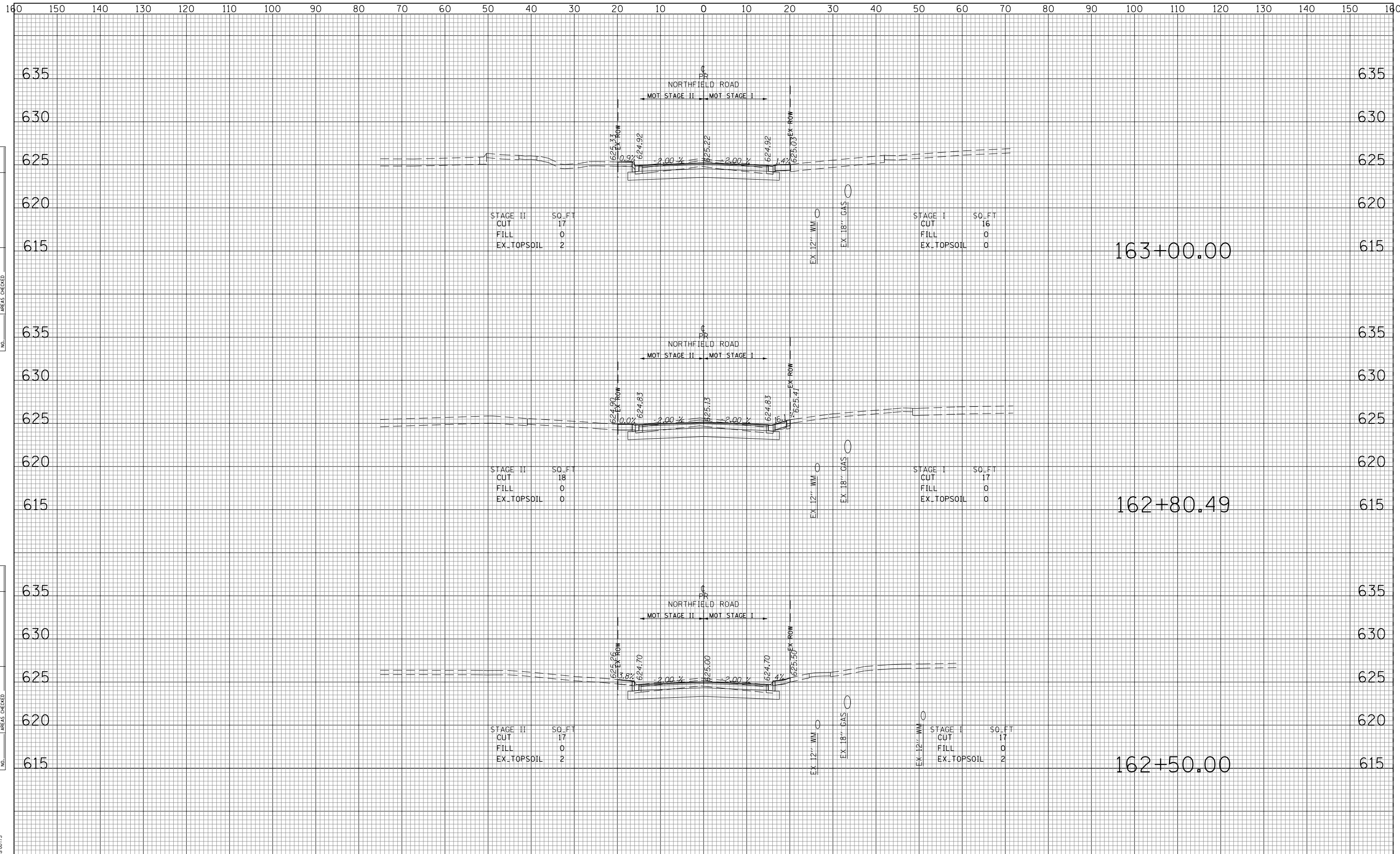
SCALE: 10H:5V SHEET NO. 16 OF 29 SHEETS STA. 161+44.02 TO STA. 162+00.00

F.A.U. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-RS	COOK	98	85
CONTRACT NO. 61F49			ILLINOIS FED. AID PROJECT	

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

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

TranSystems  
 1475 EAST WOODFIELD ROAD SUITE 600  
 SCHAMBERG, ILLINOIS 60173  
 (847) 695-9800



FILE NAME =	USER NAME = Mibeering	DESIGNED -	MLB	REVISED -	
Invalid expression'		DRAWN -	MLB	REVISED -	
		CHECKED -	DWB	REVISED -	
		DATE	-11/26/2018	REVISED -	
		PLOT DATE =	11/21/2018		

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**NORTHFIELD ROAD CROSS SECTIONS**

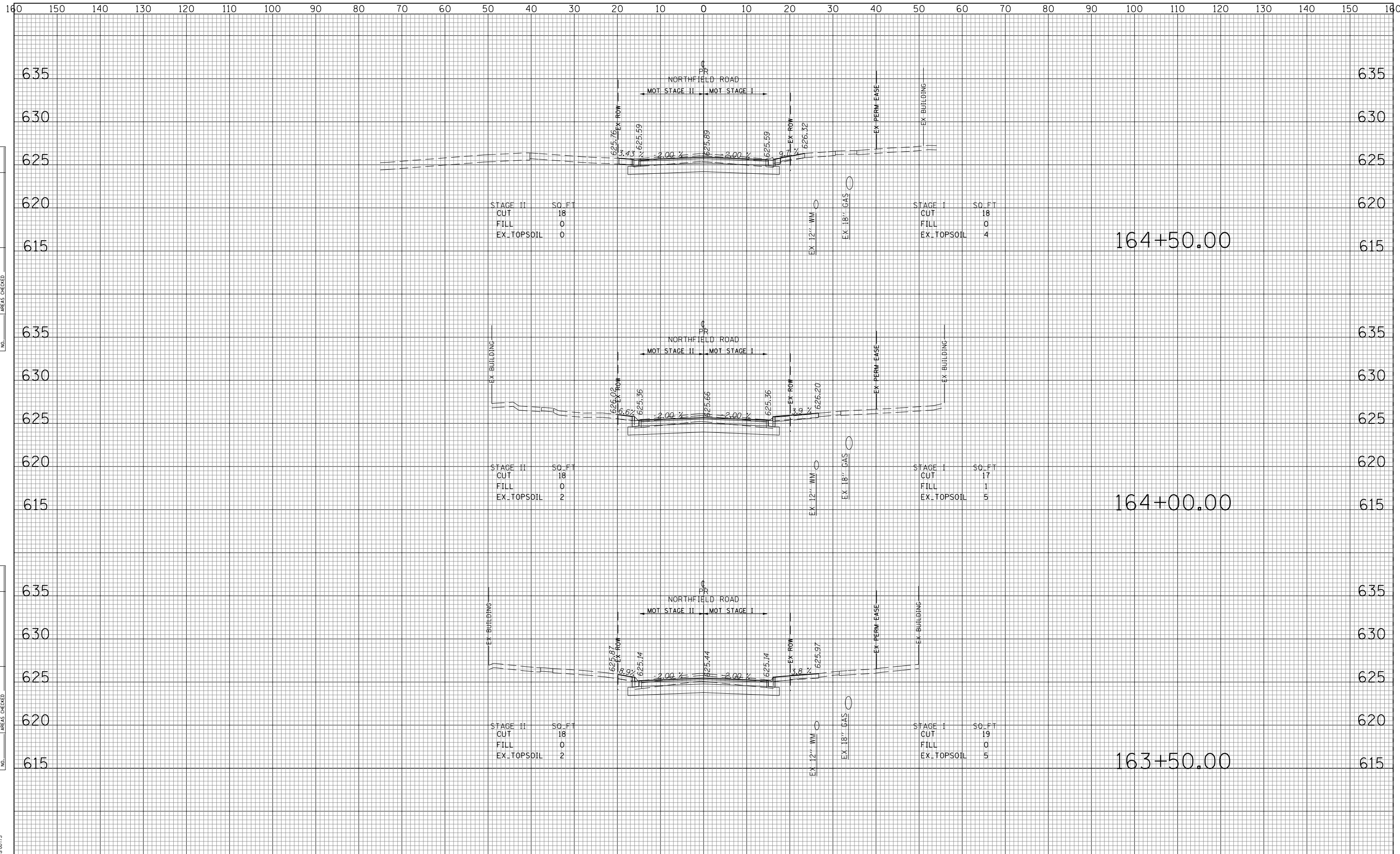
SCALE: 10H:5V    SHEET NO. 17 OF 29 SHEETS    STA. 162+50.00 TO STA. 163+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-RS	COOK	98	86
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61F49	

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

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

TranSystems  
1475 EAST WOODFIELD ROAD SUITE 600  
SCHAMBAURG, ILLINOIS 60173  
(847) 695-9800



STAGE II	SO. FT
CUT	18
FILL	0
EX. TOPSOIL	0

STAGE I	SO. FT
CUT	18
FILL	0
EX. TOPSOIL	4

STAGE II	SO. FT
CUT	18
FILL	0
EX. TOPSOIL	2

STAGE I	SO. FT
CUT	17
FILL	1
EX. TOPSOIL	5

STAGE II	SO. FT
CUT	18
FILL	0
EX. TOPSOIL	2

STAGE I	SO. FT
CUT	19
FILL	0
EX. TOPSOIL	5

FILE NAME =  
Invalid expression'

USER NAME = Mibeering	DESIGNED - MLB	REVISED -
	DRAWN - MLB	REVISED -
PLOT SCALE = 50 SCALE	CHECKED - DWB	REVISED -
PLOT DATE = 11/21/2018	DATE - 11/26/2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

NORTHFIELD ROAD CROSS SECTIONS

SCALE: 10H:5V SHEET NO. 18 OF 29 SHEETS STA. 163+50.00 TO STA. 164+50.00

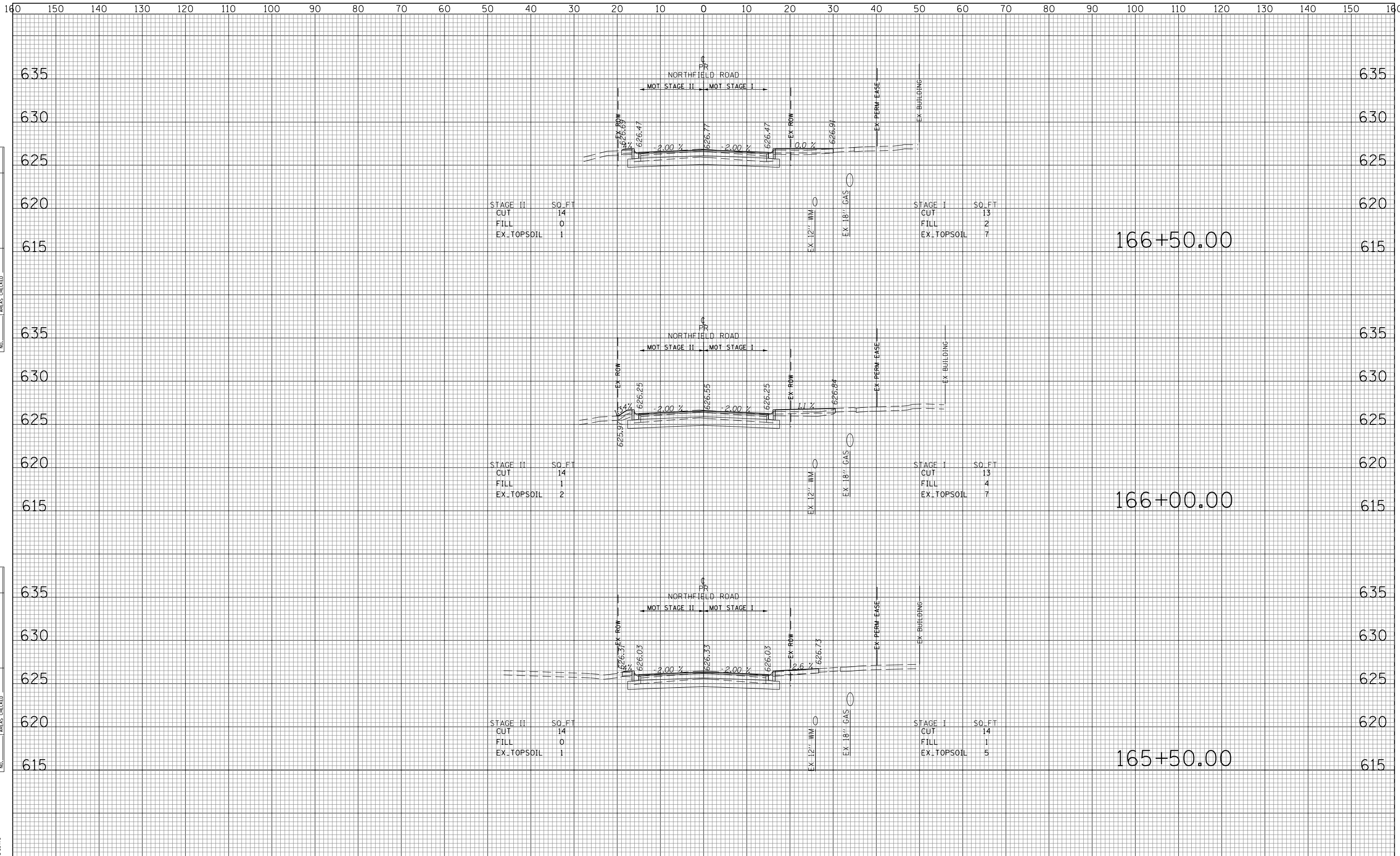
F.A.U. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-RS	COOK	98	87
			CONTRACT NO. 61F49	
ILLINOIS FED. AID PROJECT				



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

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

TranSystems  
1475 EAST WOODFIELD ROAD SUITE 600  
SCHAMBERG, ILLINOIS 60173  
(847) 695-9800



FILE NAME = Invalid expression

USER NAME = Mibeering	DESIGNED - MLB	REVISED -
	DRAWN - MLB	REVISED -
PLOT SCALE = 50 SCALE	CHECKED - DWB	REVISED -
PLOT DATE = 11/21/2018	DATE - 11/26/2018	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

NORTHFIELD ROAD CROSS SECTIONS  
SCALE: 10H:5V  
SHEET NO. 20 OF 29 SHEETS  
STA. 165+50.00 TO STA. 166+50.00

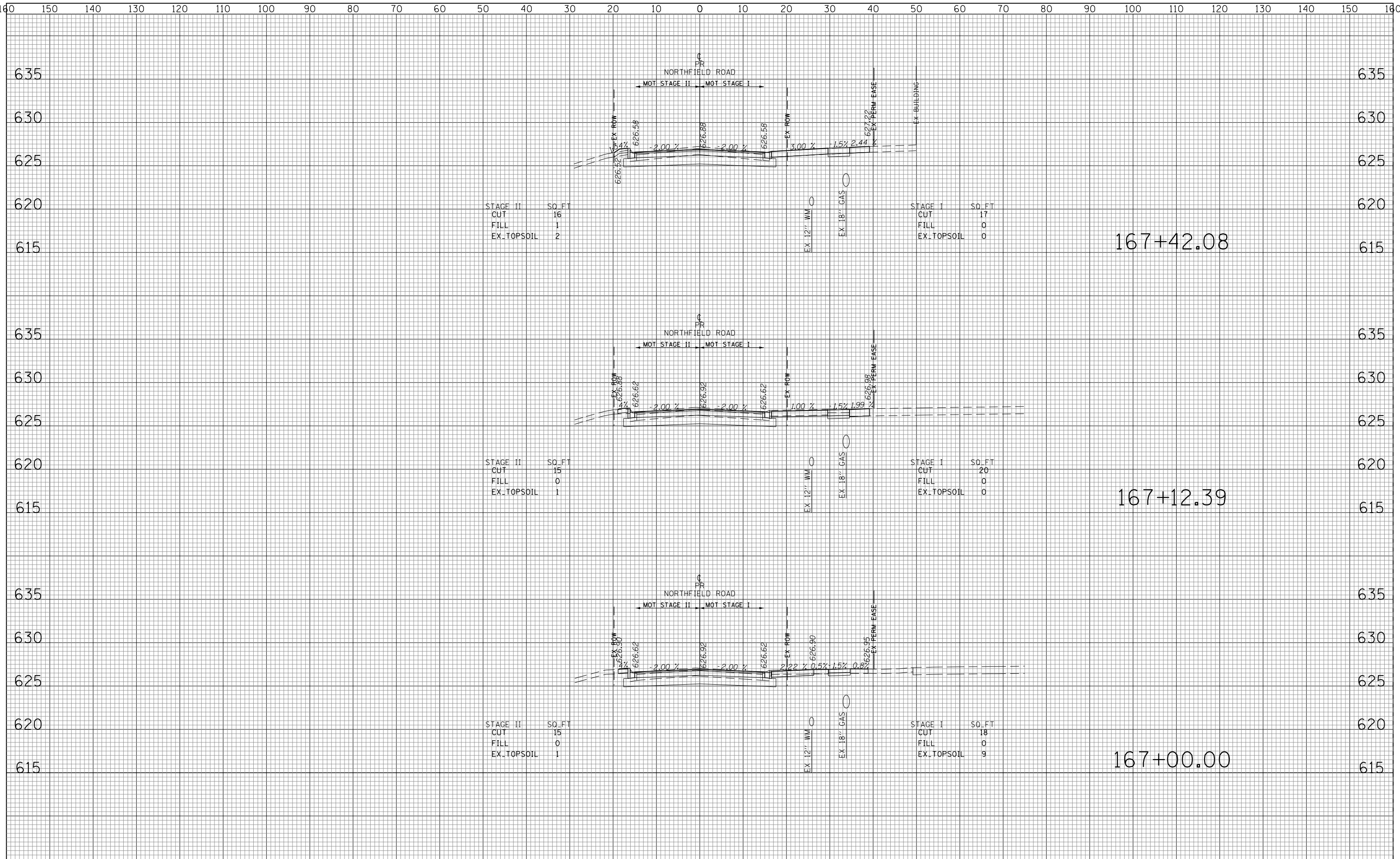
F.A.U. RTE. 1039	SECTION 16-00053-00-RS	COUNTY COOK	TOTAL SHEETS 98	SHEET NO. 89
CONTRACT NO. 61F49			ILLINOIS FED. AID PROJECT	



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

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

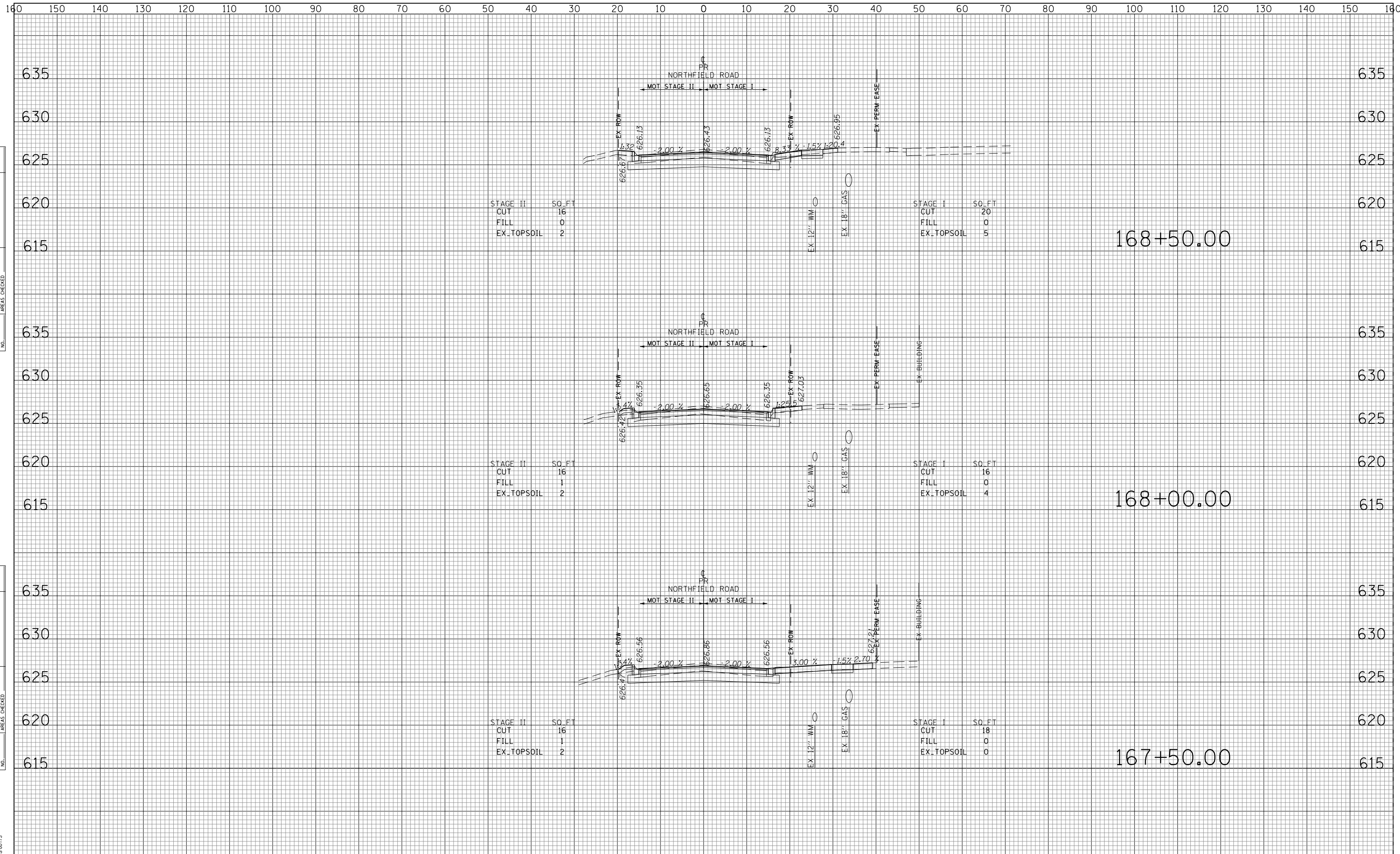
TranSystems  
 1475 EAST WOODFIELD ROAD SUITE 600  
 SCHAMBERG ILLINOIS 60173  
 (847) 695-9800



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

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

TranSystems  
 1475 EAST WOODFIELD ROAD SUITE 600  
 SCHAMBERG ILLINOIS 60173  
 (847) 695-9800



FILE NAME =  
 Invalid expression'

USER NAME = Mibeering	DESIGNED - MLB	REVISED -
	DRAWN - MLB	REVISED -
PLOT SCALE = 50 SCALE	CHECKED - DWB	REVISED -
PLOT DATE = 11/21/2018	DATE - 11/26/2018	REVISED -

STAGE II	SO_FT
CUT	16
FILL	1
EX_TOPSOIL	2

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**NORTHFIELD ROAD CROSS SECTIONS**

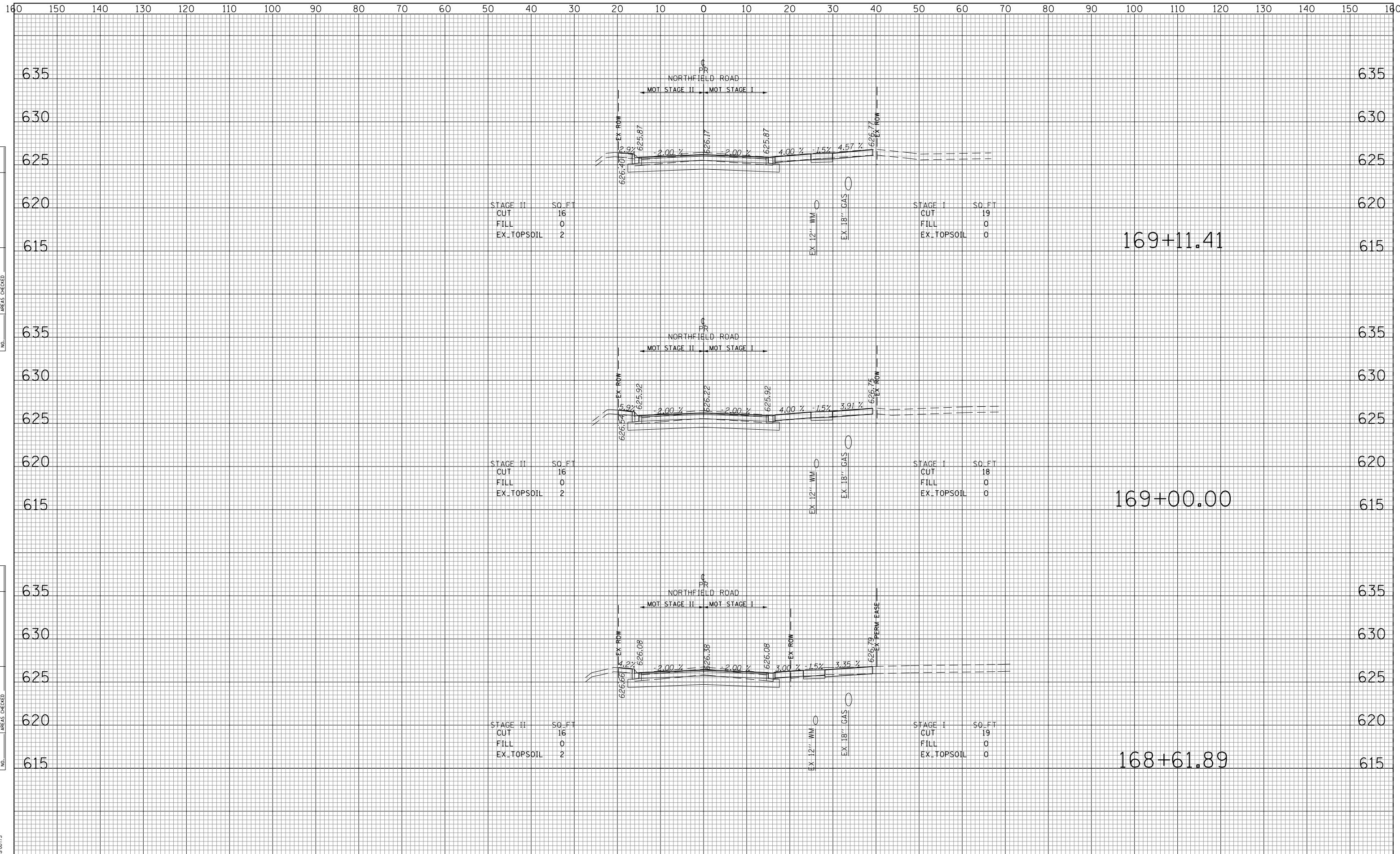
SCALE: 10H:5V      SHEET NO. 22 OF 29 SHEETS      STA. 167+50.00 TO STA. 168+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-RS	COOK	98	91
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61F49	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

TranSystems  
 1475 EAST WOODFIELD ROAD SUITE 600  
 SCHAMBERG, ILLINOIS 60173  
 (847) 695-9800



FILE NAME =	USER NAME = Mibeering	DESIGNED -	MLB	REVISED -	
Invalid expression'		DRAWN -	MLB	REVISED -	
		CHECKED -	DWB	REVISED -	
		DATE	-11/26/2018	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**NORTHFIELD ROAD CROSS SECTIONS**

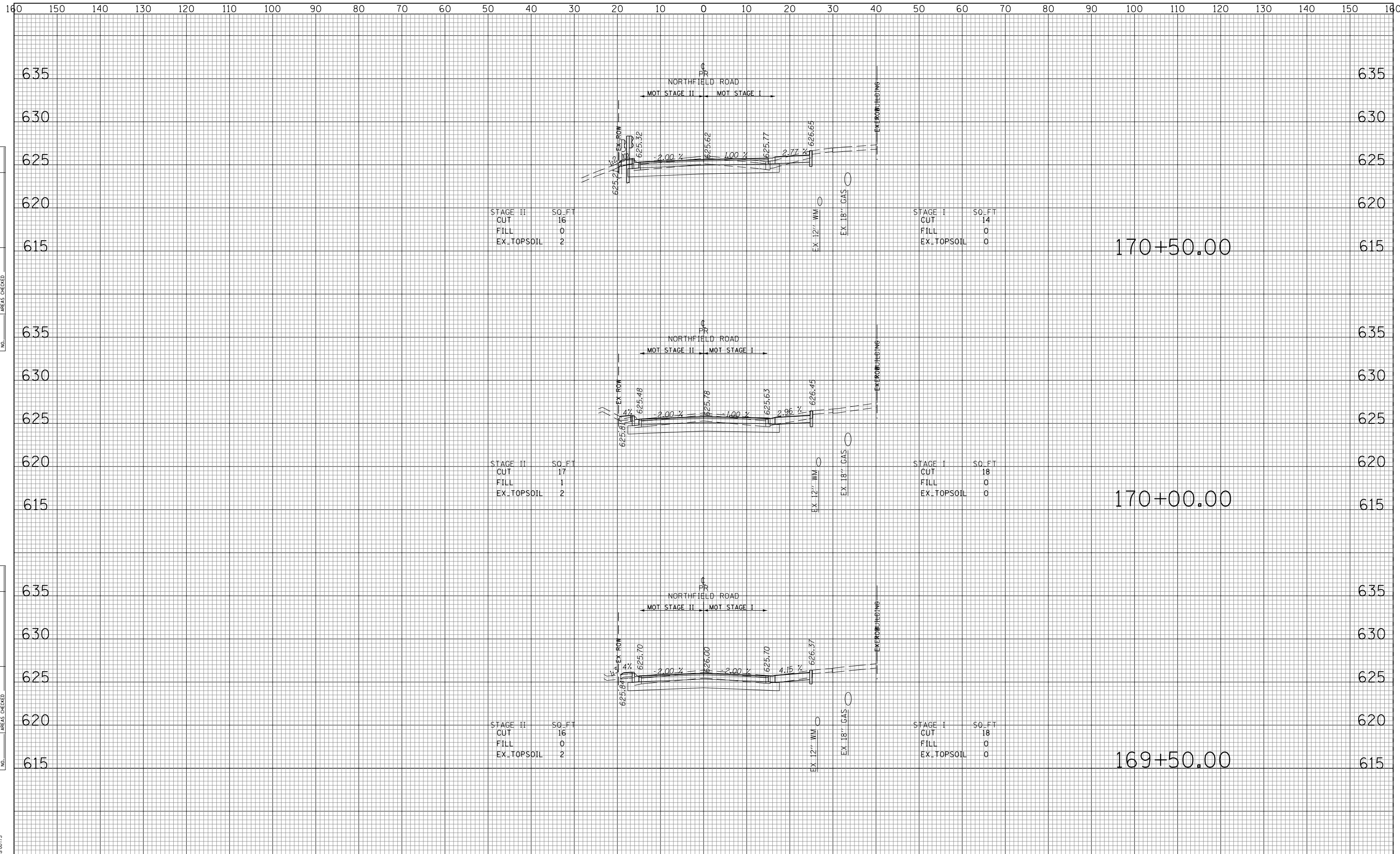
SCALE: 10H:5V      SHEET NO. 23 OF 29 SHEETS      STA. 168+61.89 TO STA. 169+11.41

F.A.U. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-RS	COOK	98	92
ILLINOIS FED. AID PROJECT			CONTRACT NO. 61F49	

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

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

TranSystems  
 1475 EAST WOODFIELD ROAD SUITE 600  
 SCHAMBAURG, ILLINOIS 60156  
 (847) 695-9800



FILE NAME =	USER NAME = Mibeenig
Invalid expression'	DESIGNED - MLB
	DRAWN - MLB
	CHECKED - DWB
	DATE -11/26/2018
	REVISIED -
	REVISIED -
	REVISIED -
	REVISIED -

DESIGNED - MLB	REVISIED -
DRAWN - MLB	REVISIED -
CHECKED - DWB	REVISIED -
DATE -11/26/2018	REVISIED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**NORTHFIELD ROAD CROSS SECTIONS**

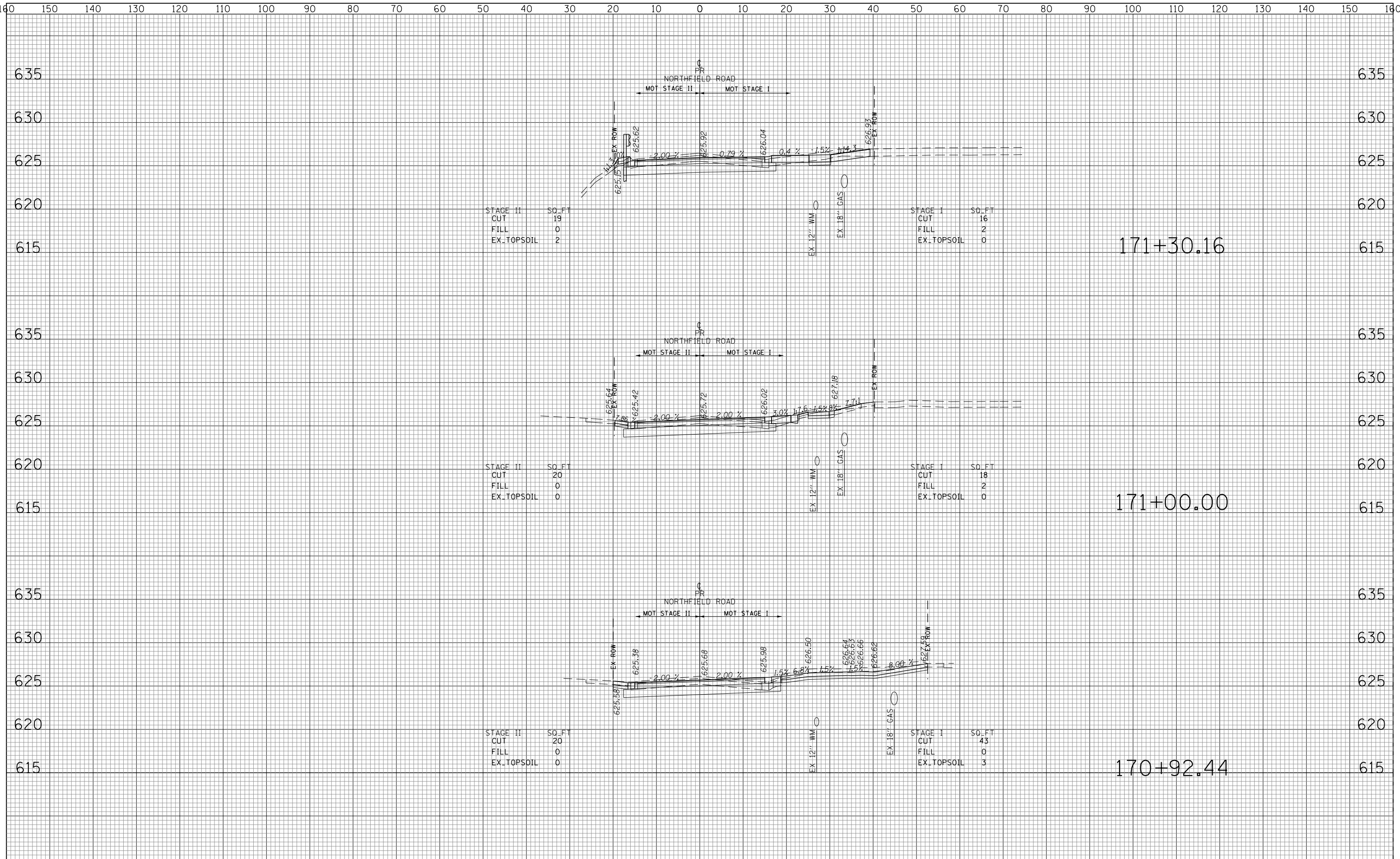
SCALE: 10H:5V      SHEET NO. 24 OF 29 SHEETS      STA. 169+50.00 TO STA. 170+50.00

F.A.U. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-RS	COOK	98	93
CONTRACT NO. 61F49			ILLINOIS FED. AID PROJECT	

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

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

TranSystems  
 1475 EAST WOODFIELD ROAD SUITE 600  
 SCHAMBERG, ILLINOIS 60173  
 (847) 695-9800



FILE NAME =  
 Invalid expression'

USER NAME = Mibeering	DESIGNED - MLB	REVISED -
	DRAWN - MLB	REVISED -
PLOT SCALE = 50 SCALE	CHECKED - DWB	REVISED -
PLOT DATE = 11/21/2018	DATE -11/26/2018	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**NORTHFIELD ROAD CROSS SECTIONS**

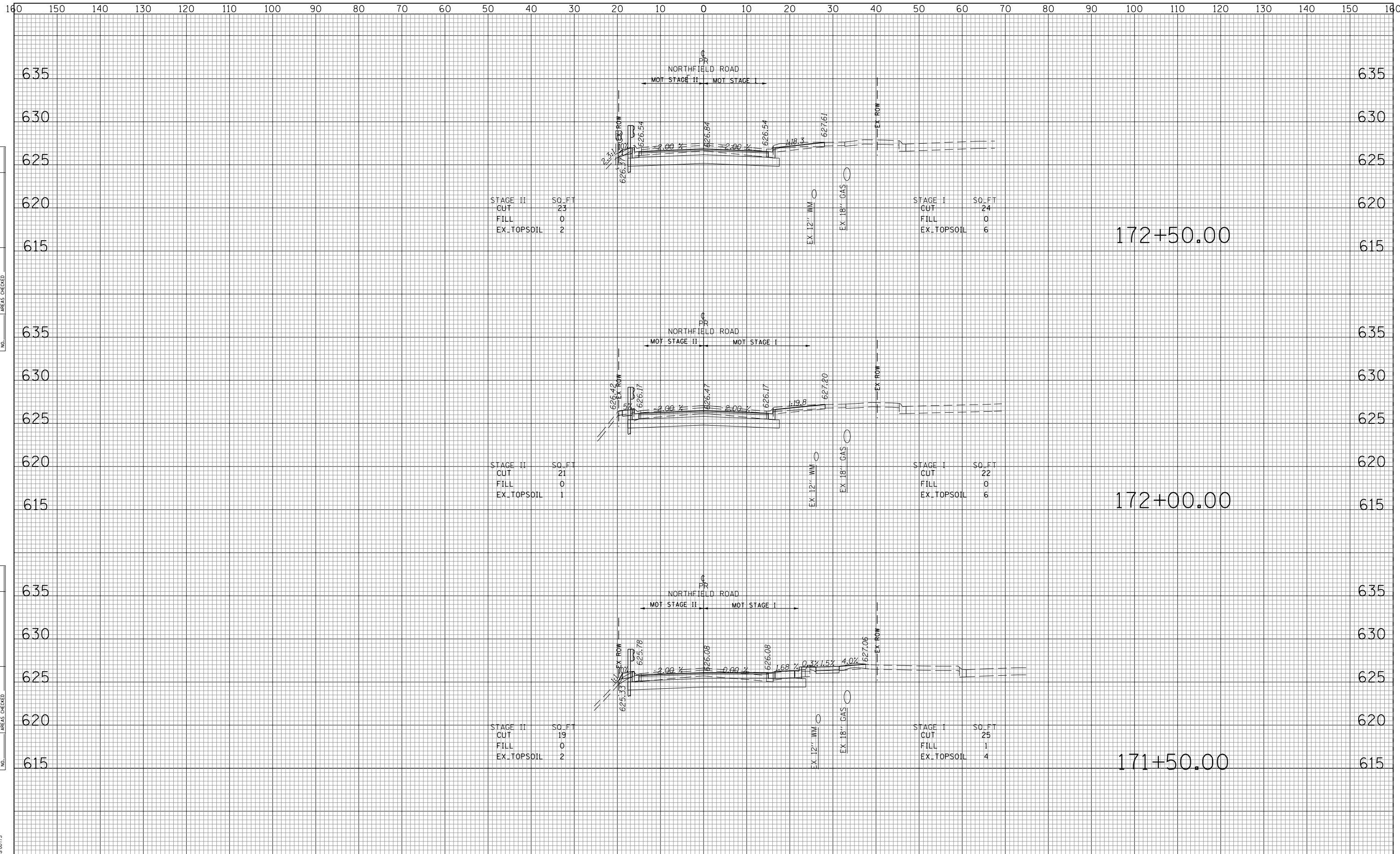
SCALE: 10H:5V      SHEET NO. 25 OF 29 SHEETS      STA. 170+92.44 TO STA. 171+30.16

F.A.U. RTE. 1039	SECTION 16-00053-00-RS	COUNTY COOK	TOTAL SHEETS 98	SHEET NO. 94
CONTRACT NO. 61F49			ILLINOIS FED. AID PROJECT	

DATE	
BY	
NO.	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	

DATE	
BY	
NO.	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	

TranSystems  
1475 EAST WOODFIELD ROAD SUITE 600  
SCHAMPAIGN, ILLINOIS 61873  
(847) 695-8600



STAGE II	SO. FT
CUT	23
FILL	0
EX. TOPSOIL	2

STAGE I	SO. FT
CUT	24
FILL	0
EX. TOPSOIL	6

STAGE II	SO. FT
CUT	21
FILL	0
EX. TOPSOIL	1

STAGE I	SO. FT
CUT	22
FILL	0
EX. TOPSOIL	6

STAGE II	SO. FT
CUT	19
FILL	0
EX. TOPSOIL	2

STAGE I	SO. FT
CUT	25
FILL	1
EX. TOPSOIL	4

FILE NAME =  
Invalid expression'

USER NAME = Mibeering	DESIGNED - MLB	REVISED -
	DRAWN - MLB	REVISED -
PLOT SCALE = 50 SCALE	CHECKED - DWB	REVISED -
PLOT DATE = 11/21/2018	DATE - 11/26/2018	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

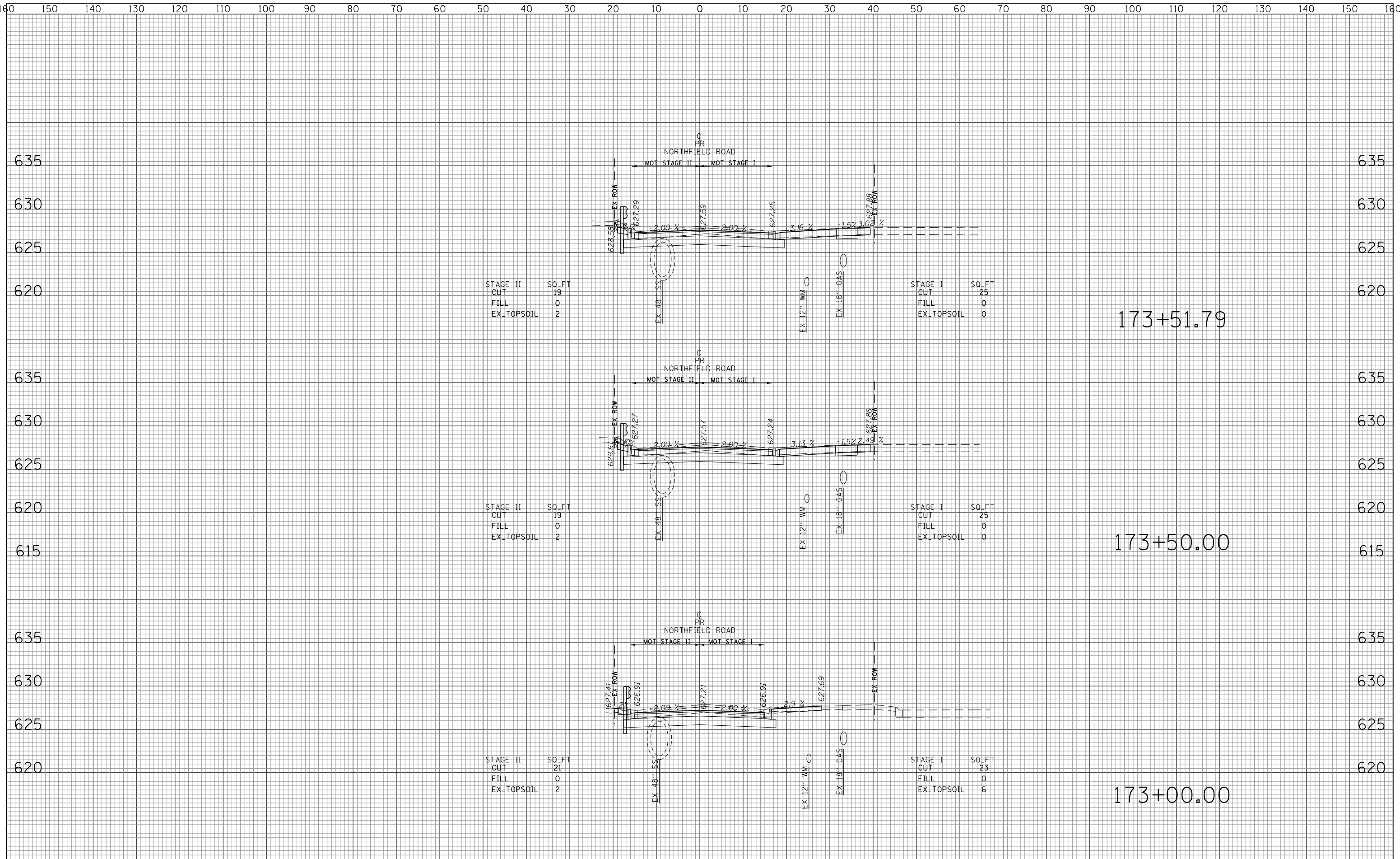
**NORTHFIELD ROAD CROSS SECTIONS**

SCALE: 10H:5V SHEET NO. 26 OF 29 SHEETS STA. 171+50.00 TO STA. 172+50.00

F.A.U. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1039	16-00053-00-RS	COOK	98	95
CONTRACT NO. 61F49			ILLINOIS FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



FILE NAME =	USER NAME = Mibeenig	DESIGNED - MLB	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>NORTHFIELD ROAD CROSS SECTIONS</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Invalid expression'		DRAWN - MLB	REVISED -		1039	16-00053-00-RS	COOK	98	96			
PLOT SCALE = 50 SCALE		CHECKED - DWB	REVISED -		CONTRACT NO. 61F49							
PLOT DATE = 11/21/2018		DATE -11/26/2018	REVISED -		ILLINOIS FED. AID PROJECT							
				SCALE: 10H:5V		SHEET NO. 27 OF 29 SHEETS		STA. 173+00.00 TO STA. 173+51.79				





