

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PROPOSED
HIGHWAY PLANS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
909	1R-1,1N-1	WILLIAMSON	65	1
		ILLINOIS	CONTRACT NO. 78257	

FOR INDEX OF SHEETS, SEE SHEET NO. 3

TOWNSHIP: CARTERVILLE

OLD IL 13 (FAS 909)
TRAFFIC DATA
EAST OF WOLF CREEK RD.

	(2011)	(2036)
PC =	2,000	2,560
SU =	70	90
MU =	30	40
ADT =	2,100	2,690

OLD IL 13 (FAS 909)
TRAFFIC DATA
WEST OF WOLF CREEK RD.

	(2011)	(2036)
PC =	1,740	2,230
SU =	50	65
MU =	10	15
ADT =	1,600	2,310

FAS ROUTE 909 (OLD IL 13)
SECTION 1R-1,1N-1
PROJECT ACSTP-FLTP-0909 (001)
ROADWAY RECONSTRUCTION
WILLIAMSON COUNTY



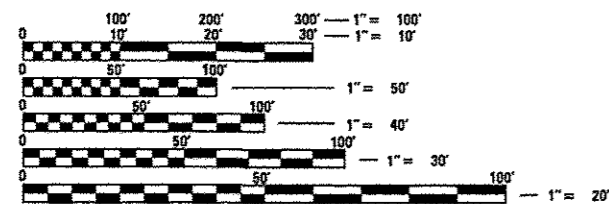
EXIST SN 100-7031
 PROP SN 100-7129
 STA. 443+60.23 (C OLD IL 13)

C-99-045-11

END PROJECT
 STA. 468+00

BEGIN PROJECT
 STA. 441+50

STATION EQUATION
 STA. 458+10.62 BK = STA. 458+13.02 AH

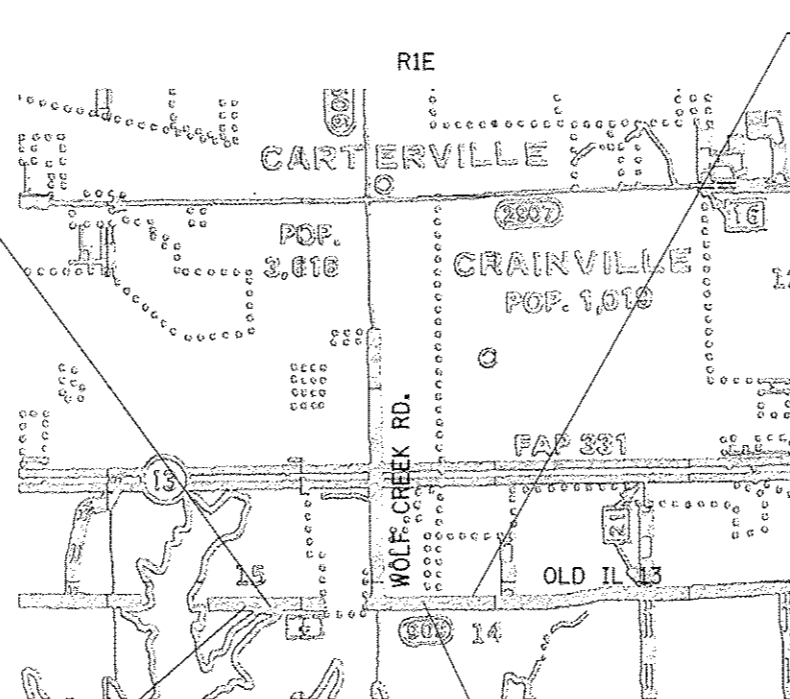


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: MELISSA COLE
 PROJECT MANAGER: CHARLES STEIN

CONTRACT NO. 78257



N

 NOT TO SCALE

GROSS LENGTH = 2,647.6 FT. = 0.50 MILE
 NET LENGTH = 2,647.6 FT. = 0.50 MILE

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

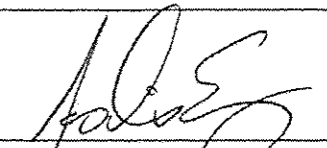
SUBMITTED *January 25 20 16*

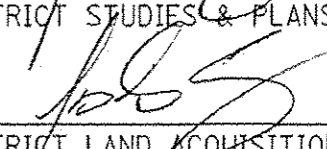
Jeffrey J. [Signature]
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

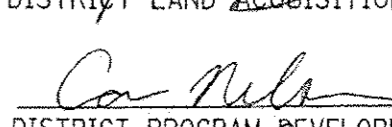
March 18 20 16
Marcus M. Addis, P.E.
 CHIEF ENGINEER OF DESIGN AND ENVIRONMENT

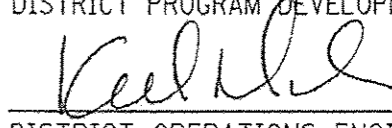
March 18 20 16
Omer Osman, P.E.
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

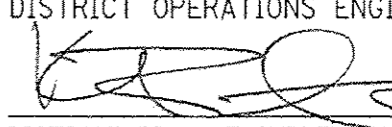
**PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS**


Prepared By: 
DISTRICT STUDIES & PLANS ENGINEER

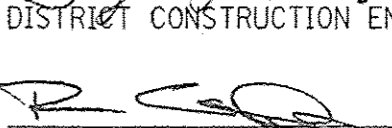
Examined By: 
DISTRICT LAND ACQUISITION ENGINEER

Examined By: 
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: 
DISTRICT OPERATIONS ENGINEER

Examined By: 
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: 
DISTRICT CONSTRUCTION ENGINEER

Examined By: 
DISTRICT MATERIALS ENGINEER

FILE NAME *	USER NAME * eolenn	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIGNATURE SHEET			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\VIL\04ERIDINTEC\Illinois.gov\PW\DOT\de	uments\DOT Offices\District 9\Projects\7825	ORAN to\CA\sheets\7825\raht-misc.dgn	REVISED -					909	IR-1,IN-1	Williamson	65	2
*MODEL NUMBER	PLOT SCALE = 1/8"=1'-0"	CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 78257	
	PLOT DATE = 1/22/2016	DATE -	REVISED -									

INDEX OF SHEETS

SHEET NO. DESCRIPTION

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38	TEMPORARY DITCH CHECKS, FLANK STONE RIPRAP TREATMENT FOR STREAM CROSSING, BUTT JOINT DETAIL AND TYPICAL LIMITS OF EARTH EX SN 100-7129 (P)
39	PIPE DETAIL
40	RURAL SIDE APPROACH DETAILS
41	GRATING FOR CONCRETE FLARED END SECTIONS DETAIL
42-44	BOX CULVERT DETAILS SN 100-7129 (P)
45-65	CROSS SECTIONS

STANDARDS

BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
BLR 22-7	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS (ROAD CLOSED TO THRU TRAFFIC)
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542306-03	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
542401-02	METAL END SECTIONS FOR PIPE CULVERTS
606101-05	TYPE A GUTTER (INLET, OUTLET & ENTRANCE)
630001-10	STEEL PLATE BEAM GUARDRAIL
630101-09	GUARDRAIL MOUNTED ON EXISTING CULVERTS
630301-06	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
666001-01	RIGHT OF WAY MARKERS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5m) AWAY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
701901-05	TRAFFIC CONTROL DEVICES
725001	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

FILE NAME : p:\IL084EBID\TEG\Illinois.gov\PWID01\Do	USER NAME : colonn	DESIGNED : DRAWN	REVISED : -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS AND STANDARDS	F.A.S. RTE. 909	SECTION IR-1,IN-1	COUNTY Williamson	TOTAL SHEETS 65	SHEET NO. 3	
	PLOT SCALE : 100.0000 / 1 in.	CHECKED : -	REVISED : -			SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
	PLOT DATE : 2/4/2016	DATE : -	REVISED : -			CONTRACT NO. 78257					
ILLINOIS FED. AID PROJECT											

THE THICKNESS OF THE HOT-MIX ASPHALT MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT-MIX ASPHALT MIXTURE IS PLACED. THIS DOES NOT APPLY TO FULL-DEPTH PAVEMENT.

FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES.

ALL HOT-MIX ASPHALT	2.016 TON/CU YD
ALL AGGREGATE	2.05 TON/CU YD
RIP RAP	1.5 TON/CU YD

PROCESSING LIME MODIFIED SOILS:

LIME	6% WEIGHT OF EARTH (TON)
EARTH	110 LB/CU FT
WATER	500 GAL/TON OF LIME (1,000 GAL/UNIT)

UNLESS OTHERWISE DIRECTED BY THE ENGINEER, RESURFACING SHALL BE PLACED IN A SEQUENCE THAT WILL MINIMIZE THE TIME THE CENTERLINE EDGE IS EXPOSED TO TRAFFIC. WHEN AT THE END OF A DAY'S OPERATION THE EXPOSED CENTERLINE EDGE IS GREATER THAN 2,000 FT., THE CONTRACTOR SHALL BE REQUIRED TO PAVE IN THE ADJACENT LANE ON THE FOLLOWING WORK DAY. PRIOR TO WINTER SHUT DOWN, RESURFACING ON ADJACENT LANES IS TO BE BROUGHT UP TO THE SAME ELEVATION.

THE QUANTITY OF SHORT TERM PAVEMENT MARKING SHOWN IN THE PLANS IS BASED ON ONE APPLICATION EACH FOR THE BINDER COURSE, AND SURFACE COURSE.

THE CONTRACTOR SHALL STAMP STATIONING IN THE HOT-MIX ASPHALT SURFACE AT 300 FT. INTERVALS ALTERNATING SIDES ON THE OUTSIDE EDGE OF PAVEMENT AND AS DIRECTED BY THE ENGINEER. THE STATION SYMBOL STAMPS USED SHALL BE FURNISHED BY THE CONTRACTOR. THEY SHALL BE 5 1/2 IN. TALL OF A DESIGN APPROVED BY THE ENGINEER, AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

GRADING SHALL BE DONE BY HAND AROUND LIGHT POLES, UTILITY POLES, SIGN POSTS, SHRUBS, TREES OR OTHER NATURAL OR MAN-MADE OBJECTS WHERE SHALLOW FILLS OR CUTS ARE ADJACENT TO THE ITEMS. IT IS THE INTENT THAT THE LIMITS OF CONSTRUCTION BE SUCH AS TO PRESERVE IN THE ORIGINAL STATE AS MUCH AREA OF TEMPORARY EASEMENTS AS POSSIBLE. THE DECISION AS TO ITEMS TO REMAIN IN PLACE SHALL BE DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

IF SO DIRECTED BY THE ENGINEER, DITCHES ADJACENT TO EMBANKMENTS SHALL BE CONSTRUCTED PRIOR TO STARTING THE CONSTRUCTION OF THE EMBANKMENT FILL.

SEEDING SHALL BE DONE ON ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION OPERATIONS AS DIRECTED BY THE ENGINEER. SEEDING SHALL BE PAID FOR ONLY WITHIN THE PROPOSED RIGHT-OF-WAY OR EASEMENT LIMITS. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED. AS DIRECTED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.

TREES SHALL BE PRESERVED THROUGHOUT THIS SECTION AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. GENERALLY, TREES OUTSIDE THE CLEAR ZONE, AND WHICH DO NOT INTERFERE WITH CONSTRUCTION, SHALL NOT BE DISTURBED.

PROTECTIVE COAT SHALL BE APPLIED TO ALL GUTTER FLAGS AS NEEDED ACCORDING TO THE SEASONAL REQUIREMENTS OF ARTICLE 420.18.

ATTAINMENT OF PROPER CROWN OR SUPERELEVATION SHALL BE FULLY ACCOMPLISHED WITH THE HOT-MIX ASPHALT BINDER COURSE.

PRIOR TO PLACEMENT OF THE FINAL PAVEMENT MARKINGS THE RESIDENT ENGINEER SHALL CONTACT THE BUREAU OF OPERATIONS AND ARRANGE FOR INSPECTION AND APPROVAL OF THE PAVEMENT MARKING LAYOUT.

WHERE SECTION OR SUB-SECTION MARKERS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE DEPARTMENT AND AUTHORIZED AGENT OR LAND SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

EXISTING UNDERGROUND AND ABOVE-GRADE FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED ON THESE CONTRACT DOCUMENTS BASED UPON THE INFORMATION AND SURVEYS AVAILABLE AT THE TIME OF DRAWING PREPARATION. THE LOCATION OF THESE FEATURES MUST, THEREFORE, BE CONSIDERED APPROXIMATE ONLY. IN ADDITION, THERE MAY BE OTHER FACILITIES, STRUCTURES, AND UTILITIES WHICH DID NOT EXIST (OR THE EXISTENCE OF WHICH WAS NOT KNOWN) AT THE TIME OF DRAWING PREPARATION. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR(S) TO HAVE ALL EXISTING FACILITIES, STRUCTURES, AND UTILITIES LOCATED IN THE FIELD PRIOR TO ANY EXCAVATION OR CONSTRUCTION ACTIVITY; AND TO PROTECT ALL SUCH EXISTING FEATURES (EXCEPT THOSE SPECIFICALLY NOTED FOR REMOVAL OR DEMOLITION) DURING CONSTRUCTION.

THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER SLOPES SHALL NOT EXCEED 8% THE SHOULDER ON THE OUTSIDE OF SUPERELEVATED CURVES SHALL BE FLATTENED ACCORDINGLY.

FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR-SAND BAGS PER BARRICADE.

FORMS FOR CONCRETE CUTTER SHALL BE OF METAL ONLY, EXCEPT THAT WOOD FORMS MAY BE USED ON SHORT RADIUS CURVES.

RECLAIMED ASPHALT PAVEMENT (RAP) WILL NOT BE ALLOWED FOR USE AS AGGREGATE IN AGGREGATE SHOULDERS, TYPE B.

THE REMOVAL OF EXISTING ENTRANCE PIPE CULVERTS ENCASED IN CONCRETE WILL BE CONSIDERED INCLUDED IN THE COST OF OTHER ITEMS OF CONSTRUCTION IF ONLY THE ENDS OF THE CULVERT (2 FT. OR LESS) ARE ENCASED. IF MORE THAN (2 FT.) AT THE ENDS OF THE CULVERT ARE ENCASED IN CONCRETE, THE REMOVAL WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.

TREE CLEARING WILL NOT BE ALLOWED FROM APRIL 1ST TO SEPTEMBER 30.

PAVEMENT CORES (FOR INFORMATION ONLY)

STATION	ASPHALT	CONCRETE
442+00 WBL	9 1/2"	7 1/4"
451+00 EBL	7 1/2"	8 1/2"
461+50 WBL	8 1/4"	6 1/2"

FILE NAME #	USER NAME # colenn	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\N\284E8D\INTEG\illinois.gov\PIDOT\00	uments\IDOT Offices\District 9\Proje\78257	DRAWN	REVISED			909	IR-1,IN-1	Williamson	65	4	
		CHECKED	REVISED			CONTRACT NO. 78257					
		DATE	REVISED			ILLINOIS FED. AID PROJECT					
				SCALE: SHEET OF SHEETS STA. TO STA.							

MIX DESIGN

Location(s):	Hot-Mix Asphalt Surface Course and Incidental HMA
Mixture Use(s)	Hot-Mix Asphalt Surface Course, Mix C, N70
AC/PG	PG64-22
RAP% (Max):	See Special Provision
Design Air Voids:	4.0%, 70 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5 mm
Friction Aggregate:	C Surface
Quality Management Program:	QCQA

Location(s):	Hot-Mix Asphalt Shoulders (Top Lift)
Mixture Use(s)	Hot-Mix Asphalt Shoulders, IL-9.5L
AC/PG	PG64-22
RAP% (Max):	See Special Provision
Design Air Voids:	4.0%, 30 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5L
Friction Aggregate:	None
Quality Management Program:	QCQA

Location(s):	Hot-Mix Asphalt Binder Course
Mixture Use(s)	Hot-Mix Asphalt Binder, N70, IL-19.0
AC/PG	PG64-22
RAP% (Max):	See Special Provision
Design Air Voids:	4.0%, 70 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-19.0 mm
Friction Aggregate:	None
Quality Management Program:	QCQA

Location(s):	Hot-Mix Asphalt Shoulders (Lower Lifts)
Mixture Use(s)	Hot-Mix Asphalt Shoulders, IL-19.0L
AC/PG	PG64-22
RAP% (Max):	See Special Provision
Design Air Voids:	4.0%, 30 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-19.0L
Friction Aggregate:	None
Quality Management Program:	QCQA

Location(s):	Hot-Mix Asphalt Leveling Binder
Mixture Use(s)	Hot-Mix Asphalt Leveling Binder, N70, Fine Graded
AC/PG	PG64-22
RAP% (Max):	See Special Provision
Design Air Voids:	4.0%, 70 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5 mm Fine Graded
Friction Aggregate:	None
Quality Management Program:	QCQA

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	COUNTY:	WILLIAMSON	WILLIAMSON
				ROUTE:	FAS 909, OLD IL 13	FAS 909, OLD IL 13
			FUNDING:	80% FED/20% STATE	80% FED/20% STATE	
			LOCATION:	RURAL	RURAL	
				ROADWAY	ROADWAY	
				0004	0044	
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	83		83	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	57		57	
20100500	TREE REMOVAL, ACRES	ACRE	0.3		0.3	
20200100	EARTH EXCAVATION	CU YD	13,352		13,081	271
20700220	POROUS GRANULAR EMBANKMENT	CU YD	227		0	227
20900110	POROUS GRANULAR BACKFILL	CU YD	54		54	
25000200	SEEDING, CLASS 2	ACRE	4.7		4.7	
25000350	SEEDING, CLASS 7	ACRE	4.7		4.7	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	588		588	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	294		294	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	294		294	
25000700	AGRICULTURAL GROUND LIMESTONE	TON	9.4		9.4	

SUMMARY OF QUANTITIES - CONT

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	COUNTY:	WILLIAMSON	WILLIAMSON
				ROUTE:	FAS 909, OLD IL 13	FAS 909, OLD IL 13
				FUNDING:	80% FED/20% STATE	80% FED/20% STATE
				LOCATION:	RURAL	RURAL
				TOTAL QUANTITY	ROADWAY	ROADWAY
					0004	0044
25100115	MULCH, METHOD 2	ACRE	9.4		9.4	
25100630	EROSION CONTROL BLANKET	SO YD	4,811		4,811	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	940		940	
28000305	TEMPORARY DITCH CHECKS	FOOT	720		720	
28000400	PERIMETER EROSION BARRIER	FOOT	825		825	
28000500	INLET AND PIPE PROTECTION	EACH	3		3	
28100707	STONE DUMPED RIPRAP, CLASS A4	SO YD	212		166	46
28200200	FILTER FABRIC	SO YD	46		0	46
30200650	PROCESSING MODIFIED SOIL 12"	SO YD	7,237		7,237	
30201500	LIME	TON	219		219	
31102000	SUBBASE GRANULAR MATERIAL, TYPE C	CU YD	128		128	
35100100	AGGREGATE BASE COURSE, TYPE A	TON	39		39	

SUMMARY OF QUANTITIES - CONT

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	COUNTY:	WILLIAMSON	WILLIAMSON
				ROUTE:	FAS 909, OLD IL 13	FAS 909, OLD IL 13
			FUNDING:	80% FED/20% STATE	80% FED/20% STATE	
			LOCATION:	RURAL	RURAL	
				ROADWAY	ROADWAY	
				0004	0044	
40200100	AGGREGATE SURFACE COURSE, TYPE A	TON	170		170	
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	50		50	
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	4,812		4,812	
40600637	LEVELING BINDER (MACHINE METHOD), IL-9.5FG, N70	TON	104		104	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	148		148	
40600990	TEMPORARY RAMP	SO YD	100		100	
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	142		142	
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	309		309	
40701881	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"	SO YD	4,683		4,683	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	19		19	
42000060	WELDED WIRE REINFORCEMENT	SO YD	120		120	
42000500	PORTLAND CEMENT CONCRETE PAVEMENT 10"	SO YD	120		120	

SUMMARY OF QUANTITIES - CONT

COUNTY:	WILLIAMSON	WILLIAMSON
ROUTE:	FAS 909, OLD IL 13	FAS 909, OLD IL 13
FUNDING:	80% FED/20% STATE	80% FED/20% STATE
LOCATION:	RURAL	RURAL
	ROADWAY	ROADWAY
	0004	0044

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY 0004	ROADWAY 0044
42001300	PROTECTIVE COAT	SO YD	110	110	
44000100	PAVEMENT REMOVAL	SO YD	5,398	5,398	
44000151	HOT-MIX ASPHALT SURFACE REMOVAL, 1/2"	SO YD	3,673	3,673	
44004000	PAVED DITCH REMOVAL	FOOT	292	292	
44004250	PAVED SHOULDER REMOVAL	SO YD	161	161	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	26	26	
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SO YD	3,906	3,906	
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1	0	1
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1	1	
50100500	REMOVAL OF EXISTING STRUCTURES NO. 3	EACH	1	1	
50105220	PIPE CULVERT REMOVAL	FOOT	289	289	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	3,230	1,616	1,614

SUMMARY OF QUANTITIES - CONT

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	COUNTY:	WILLIAMSON	WILLIAMSON
				ROUTE:	FAS 909, OLD IL 13	FAS 909, OLD IL 13
				FUNDING:	80% FED/20% STATE	80% FED/20% STATE
				LOCATION:	RURAL	RURAL
					ROADWAY	ROADWAY
					0004	0044
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2		2	
54002020	EXPANSION BOLTS 3/4 INCH	EACH	29		29	
54003000	CONCRETE BOX CULVERTS	CU YD	25.1		0.0	25.1
54010504	PRECAST CONCRETE BOX CULVERTS 5' X 4'	FOOT	14.5		14.5	
54011206	PRECAST CONCRETE BOX CULVERTS 12' X 6'	FOOT	44		44	
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	68		68	
542A0247	PIPE CULVERTS, CLASS A, TYPE 1 42"	FOOT	57		57	
542A5497	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 42"	FOOT	36		36	
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	72		72	
5421D018	PIPE CULVERTS, CLASS D, TYPE 1 18" (TEMPORARY)	FOOT	16		16	
54213453	END SECTIONS 18"	EACH	7		7	
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2		2	

SUMMARY OF QUANTITIES - CONT

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	COUNTY:	WILLIAMSON	WILLIAMSON
				ROUTE:	FAS 909, OLD IL 13	FAS 909, OLD IL 13
				FUNDING:	80% FED/20% STATE	80% FED/20% STATE
				LOCATION:	RURAL	RURAL
					ROADWAY	ROADWAY
					0004	0044
54213687	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	EACH	2		2	
54214527	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 42"	EACH	2		2	
54247130	GRATING FOR CONCRETE FLARED END SECTION 24"	EACH	2		2	
54247180	GRATING FOR CONCRETE FLARED END SECTION 42"	EACH	2		2	
54248170	GRATING FOR CONCRETE FLARED END SECTION EQUIVALENT ROUND SIZE 42"	EACH	2		2	
60500060	REMOVING INLETS	EACH	2		2	
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	8		8	
60602500	CONCRETE GUTTER, TYPE A	FOOT	200		200	
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	562.5		562.5	
* 63000025	STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES	FOOT	50		50	
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4		4	
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	27		27	

* SPECIALTY ITEM

FILE NAME =	USER NAME = colamm	DESIGNED -	REVISED -	STATE OF ILLINOIS	SUMMARY OF QUANTITIES	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ps:\L084EBD\INTEC\Illinois.gov\PI001\200	umms\IDDT Offices\District 9\Projects\78257\DRAWING\CAB\sheet\78257-hil-misc.dgn	DRAWN	REVISED	DEPARTMENT OF TRANSPORTATION		909	1R-1,IN-1	Williamson	65	11
Default	PLOT SCALE = 1/8"=1'-0"	CHECKED -	REVISED -		SCALE:					
	PLOT DATE = 1/29/2006	DATE -	REVISED -		SHEET	OF	SHEETS	STA.	TO	STA.
										ILLINOIS FED. AID PROJECT
										CONTRACT NO. 78257

SUMMARY OF QUANTITIES - CONT

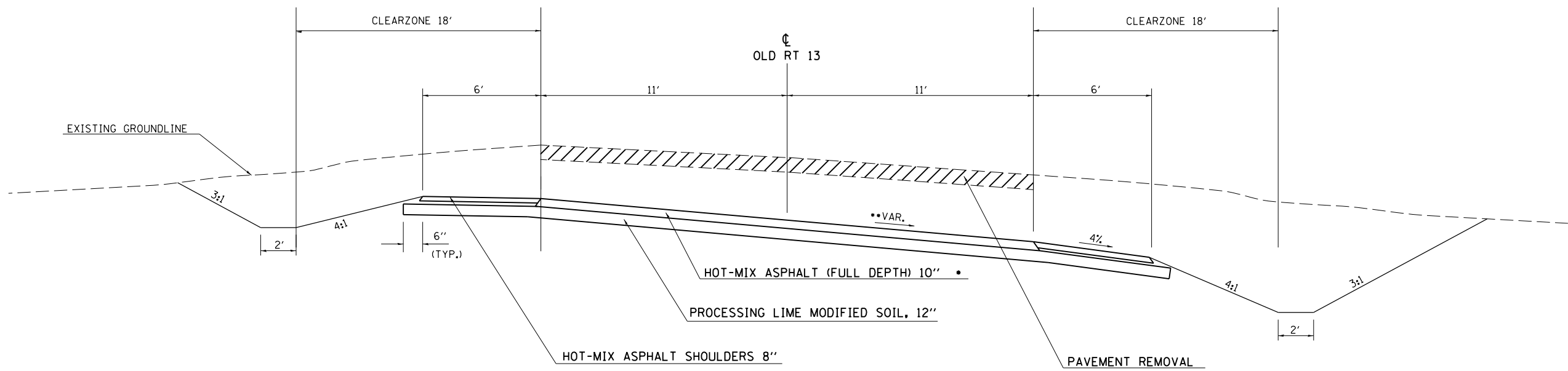
COUNTY:	WILLIAMSON	WILLIAMSON
ROUTE:	FAS 909, OLD IL 13	FAS 909, OLD IL 13
FUNDING:	80% FED/20% STATE	80% FED/20% STATE
LOCATION:	RURAL	RURAL
	ROADWAY	ROADWAY
	0004	0044

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY 0004	ROADWAY 0044
66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	3	3	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	4	
67100100	MOBILIZATION	LSUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	LSUM	1	1	
70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	LSUM	1	1	
70101835	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 22	LSUM	1	1	
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	10	10	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	455	455	
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	152	152	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	10,002	10,002	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	53	53	
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4	

SUMMARY OF QUANTITIES - CONT

		COUNTY:	WILLIAMSON	WILLIAMSON	
		ROUTE:	FAS 909, OLD IL 13	FAS 909, OLD IL 13	
		FUNDING:	80% FED/20% STATE	80% FED/20% STATE	
		LOCATION:	RURAL	RURAL	
		TOTAL QUANTITY	ROADWAY 0004	ROADWAY 004	
*	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	10,002	10,002
*	78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	53	53
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	33	33
*	78200006	GUARDRAIL REFLECTORS, TYPE B	EACH	11	11
	78300100	PAVEMENT MARKING REMOVAL	SQ FT	3,340	3,340
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	27	27
	X4404400	PAVEMENT REMOVAL (SPECIAL)	SQ YD	9,166	9,166
	Z0022800	FENCE REMOVAL	FOOT	24	24
	Z0034105	MATERIAL TRANSFER DEVICE	TON	3,033	3,033

* SPECIALTY ITEM



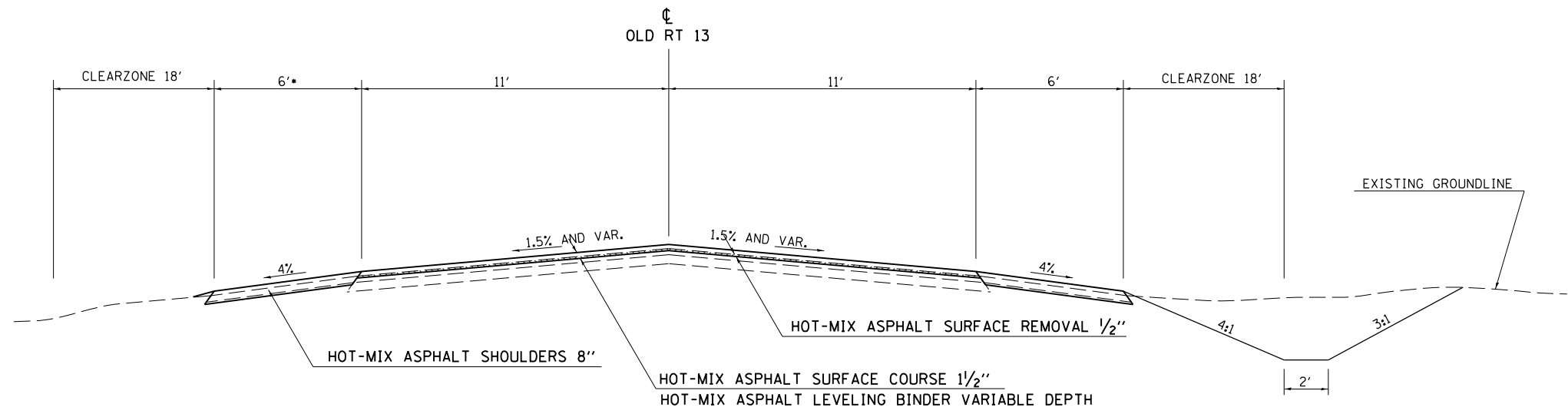
•FULL DEPTH PAVEMENT

1 1/2" HOT-MIX ASPHALT SURFACE COURSE
2 1/2" HOT-MIX ASPHALT BINDER COURSE
3" HOT-MIX ASPHALT BINDER COURSE
3" HOT-MIX ASPHALT BINDER COURSE

••SEE SUPERELEVATION TABLE SHEET 36

TO BE USED:

STA. 451+25 TO STA. 454+50
 STA. 456+50 TO 458+10.62 BK =
 STA. 458+13.02 AH TO STA. 462+75



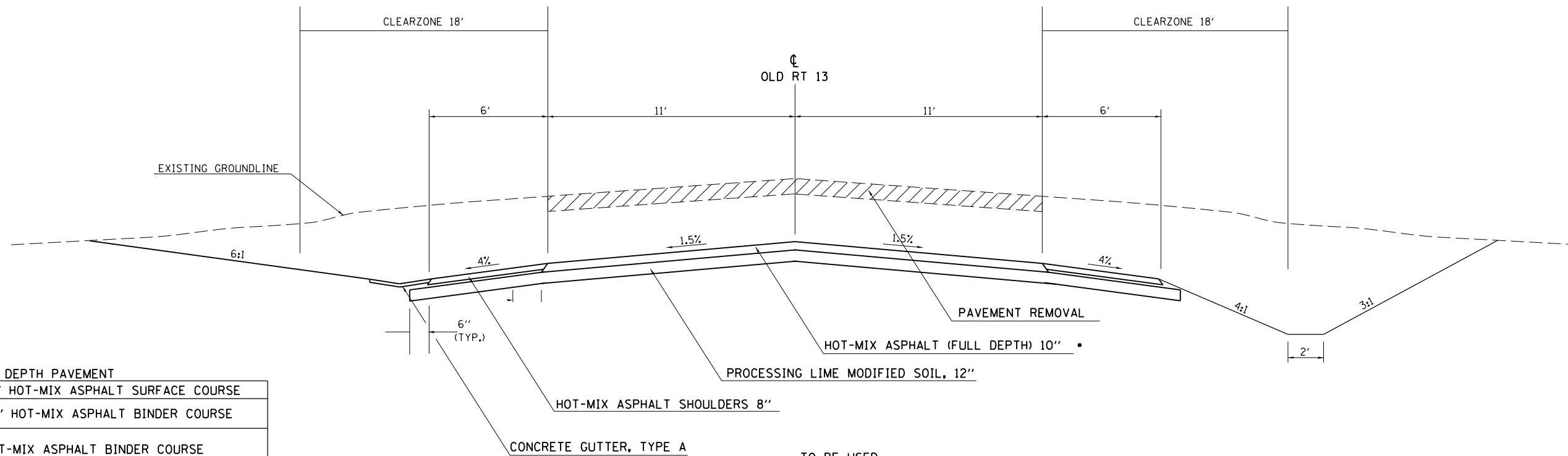
• LT LIMITS OF 10' SHOULDER WIDTH
 FOR PROPOSED GUARDRAIL
 VAR 2'-10' STA. 441+50 TO STA. 442+56
 10' STA. 442+56 TO STA. 449+75
 VAR 10'-6' STA. 449+75 TO STA. 449+98

TO BE USED:

STA. 441+50 TO STA. 451+25
 STA. 462+75 TO 468+00

• RT LIMITS OF 10' SHOULDER WIDTH
 FOR PROPOSED GUARDRAIL
 VAR 2'-10' STA. 441+54 TO STA. 441+81
 10' STA. 441+81 TO STA. 444+66
 VAR 10'-6' STA. 444+66 TO STA. 444+98

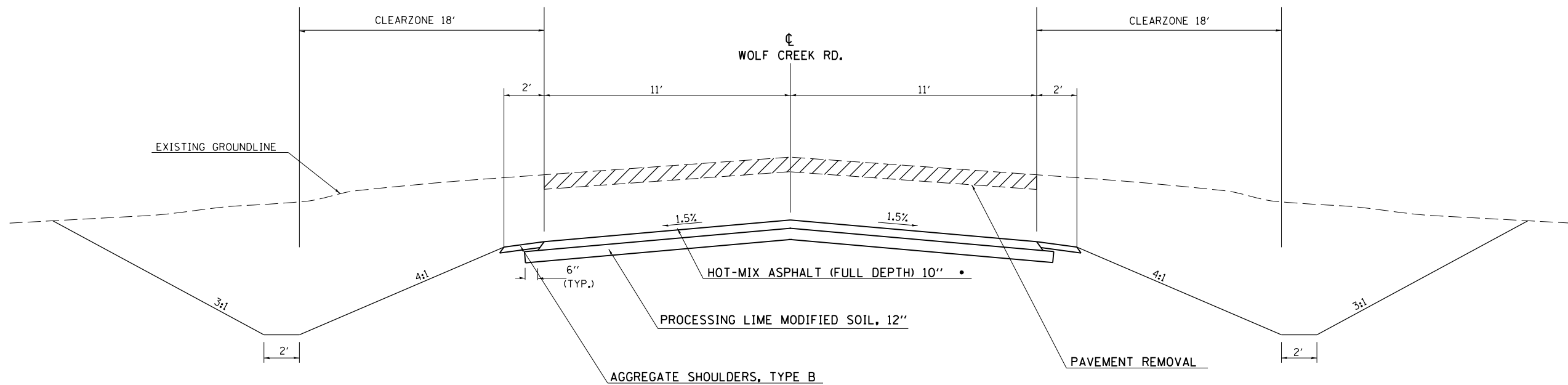
FILE NAME =	USER NAME = colemm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTION			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 9\Projects\78257\Drawings\CABsheets\78257-sht-misc.dgn		DRAWN -	REVISED -		SCALE: 50	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.	909	1R-1, 1N-1	WILLIAMSON	65	14
		CHECKED -	REVISED -					CONTRACT NO. 78257					
		DATE -	REVISED -					ILLINOIS FED. AID PROJECT					



•FULL DEPTH PAVEMENT

1 1/2" HOT-MIX ASPHALT SURFACE COURSE
2 1/2" HOT-MIX ASPHALT BINDER COURSE
3" HOT-MIX ASPHALT BINDER COURSE
3" HOT-MIX ASPHALT BINDER COURSE

TO BE USED:
STA. 454+50 TO STA. 456+50



•FULL DEPTH PAVEMENT

1 1/2" HOT-MIX ASPHALT SURFACE COURSE
2 1/2" HOT-MIX ASPHALT BINDER COURSE
3" HOT-MIX ASPHALT BINDER COURSE
3" HOT-MIX ASPHALT BINDER COURSE

TO BE USED:
N WOLF CREEK RD.
STA. 0+00 TO STA. 2+50

S WOLF CREEK RD.
STA. 0+00 TO STA. 3+00

PAVEMENT AND SHOULDER SCHEDULE

LOCATION			HMA PAVEMENT (FULL-DEPTH) 10"	HMA SURF CSE MIX "C", N70	LEVELING BINDER	HMA BINDER CSE N70	BIT MAT TACK COAT	PAVEMENT REMOVAL	PROC MODIFIED SOIL 12"	LIME	SUBBASE MATERIAL TYPE C	AGG SHLDRS TYPE B	HMA SHLDRS 8"	PAVED SHOULDER REMOVAL	HMA SURFACE REMOVAL 1/2"	HMA SURFACE REMOVAL (BUTT JOINT)	TEMPORARY RAMP
			SQ YD	TON	TON	TON	POUNDS	SQ YD	SQ YD	TON	CU YD	TON	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD
OLD IL 13																	
441+50.	TO	451+25.	0	201	64	108	1075	120			3		1680	161	2389	74	25
451+25.	TO	453+50.	550	0	0	0	371	710	875	26	17						
453+50.	TO	458+10.62	1126	0	0	0	760	1320	1791	54	34		614				
458+13.02	TO	462+75.	1130	0	0	0	762	1278	1797	54	34		616				
462+75.	TO	468+00.	0	108	40	34	578	0					700		1284	74	25
NORTH WOLF CREEK RD.																	
0+00	TO	1+00.	503	0	0	0	339	551	718	22	7		78				
1+00.	TO	2+50.	367	0	0	0	248	367	583	18	11	13	11				25
SOUTH WOLF CREEK RD.																	
0+00	TO	1+00.	518	0	0	0	349	563	695	21	7		180				
1+00.	TO	3+00.	489	0	0	0	330	489	778	24	15	13	27				25
TOTAL			4,683	309	104	142	4,812	5,398	7,237	219	128	26	3,906	161	3,673	148	100

DRAINAGE STRUCTURE SCHEDULE

LOCATION STATION	OFFSET	PIPE CULVERTS					PRECAST REINFORCED CONCRETE FLARED END SECTIONS			END SECTIONS	PIPE CULVERT REMOVAL
		CLASS A			CLASS D	CLASS D	SEE NOTE				
		TYPE I			TYPE I	TY I (TEMP)					
		24"	ERS 42"	42"	18"	18"	24"	ERS 42"	42"		
		FT	FT	FT	FT	FT	EA	EA	EA		
OLD IL 13											
457+80.97	LT			29				1			
457+80.97	RT			28				1			
462+96	LT					16					
463+91.92	LT		18				1				
463+91.92	RT		18				1		1	24	
463+91.92 TO 465+39	RT									148	
465+08.67	PEL				22				2		
465+71.74	PEL				27				2		
466+63.71	PEL				23				2		
SOUTH WOLF CREEK RD.											
0+60	LT	33					1				
0+60	RT	35					1				
1+18	LT & RT									117	
TOTAL		68	36	57	72	16	2	2	2	7	289

PAVEMENT MARKING SCHEDULE

LOCATION			PAINT PAVEMENT MARKING				TEMPORARY PAVEMENT MARKING			SHORT-TERM PAVEMENT MARKING (*)	WORK ZONE PAVEMENT MARKING REMOVAL	PAVEMENT MARKING REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
			LINE - 4" YELLOW		LINE - 4" WHITE	LINE - 24" WHITE	YELLOW LINE 4"	WHITE LINE 4"	WHITE LINE 24"					
			LEFT SOLID	RIGHT SOLID	SOLID	SOLID	FOOT	FOOT	FOOT					
			FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	SQ FT	EACH	EACH	
OLD IL 13														
441+50.	TO	451+38.	988	988	1,976		1,976	1,976	0	180	59.9	1319.3	13	13
451+38.	TO	452+85.	OMIT FOR INTERSECTION											
452+85.	TO	458+10.62	526	526	1,051		1,051	1,051	0	96	31.9	702.8	7	7
458+13.02	TO	468+00.	987	987	1,974		1,974	1,974	0	179	59.8	1318.0	13	7
NORTH WOLF CREEK RD.														
0+00	TO	2+50.				25			25					
SOUTH WOLF CREEK RD.														
0+00	TO	3+00.				28			28					
TOTAL			2,501	2,501	5,001	53	5,001	5,001	53	455	152	3,340	33	27
			10,002			10,002								

• ONE APPLICATION EACH FOR BINDER AND SURFACE

SEEDING & EROSION CONTROL SCHEDULE

LOCATION	TEMPORARY DITCH CHECKS*	PERIMETER EROSION BARRIER	SEEDING, CLASS 2	SEEDING, CLASS 7	MULCH, METHOD 2	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	AGRICULTURAL GROUND LIMESTONE	EROSION CONTROL BLANKET**	TEMPORARY EROSION CONTROL SEEDING	INLET AND PIPE PROTECTION
	FOOT	FOOT	ACRE	ACRE	ACRE	POUND	POUND	POUND	TON	SQ YD	POUND	EACH
OLD IL 13												
441+50 TO 443+00 RIGHT	18		0.02	0.02	0.04	4	2	2	0.04	33	4	
443+00 TO 445+50 RIGHT	18		0.26	0.26	0.52	32	16	16	0.52	200	52	
445+50 TO 448+00 RIGHT	18		0.34	0.34	0.68	42	21	21	0.68	250	68	
448+00 TO 450+50 RIGHT	45		0.30	0.30	0.60	36	18	18	0.60	250	60	
450+50 TO 453+00 RIGHT	27		0.24	0.24	0.48	30	15	15	0.48	150	48	
453+00 TO 455+50 RIGHT	36		0.25	0.25	0.50	30	15	15	0.50	250	50	
455+50 TO 458+00 RIGHT	45		0.27	0.27	0.54	34	17	17	0.54	250	54	
458+00 TO 460+50 RIGHT	27		0.32	0.32	0.64	40	20	20	0.64	250	64	
460+50 TO 463+00 RIGHT	18		0.34	0.34	0.68	42	21	21	0.68	250	68	
463+00 TO 465+50 RIGHT	36		0.32	0.32	0.64	40	20	20	0.64	250	64	
465+50 TO 468+00 RIGHT	45		0.15	0.15	0.30	18	9	9	0.30	250	30	
441+50 TO 443+00 LEFT	18		0.02	0.02	0.04	4	2	2	0.04	56	4	
443+00 TO 445+50 LEFT	18		0.20	0.20	0.40	24	12	12	0.40	250	40	
445+50 TO 448+00 LEFT	18	75	0.14	0.14	0.28	18	9	9	0.28	175	28	
448+00 TO 450+50 LEFT		250	0.04	0.04	0.08	6	3	3	0.08		8	
450+50 TO 453+00 LEFT	0	125	0.07	0.07	0.14	10	5	5	0.14	75	14	
453+00 TO 455+50 LEFT	9		0.21	0.21	0.42	26	13	13	0.42	150	42	
455+50 TO 458+00 LEFT	27		0.17	0.17	0.34	22	11	11	0.34	50	34	
458+00 TO 460+50 LEFT	27		0.15	0.15	0.30	18	9	9	0.30	225	30	
460+50 TO 463+00 LEFT	18		0.12	0.12	0.24	16	8	8	0.24	250	24	
463+00 TO 465+50 LEFT	36		0.11	0.11	0.22	14	7	7	0.22	250	22	1
465+50 TO 468+00 LEFT	27		0.11	0.11	0.22	14	7	7	0.22	250	22	2
N WOLF CREEK RD												
0+00 TO 2+50 N RIGHT	9	175	0.10	0.10	0.20	12	6	6	0.20	50	20	
0+00 TO 2+50 N LEFT		200	0.13	0.13	0.26	16	8	8	0.26		26	
S WOLF CREEK RD												
0+00 TO 3+00 S RIGHT	90		0.17	0.17	0.34	22	11	11	0.34	300	34	
0+00 TO 3+00 S LEFT	90		0.15	0.15	0.30	18	9	9	0.30	347	30	
Total	720	825	4.7	4.7	9.4	588	294	294	9.4	4811	940	3

* Each ditch check is 9' long.

**Erosion control blanket is a width of 9' in ditches

FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS

LOCATION STATION	OFFSET	FURNISHING AND ERECTING RIGHT OF WAY MARKERS
		EACH
OLD IL 13		
443+00.00	70' LT	1
443+00.00	60' RT	1
445+00.00	60' LT	1
445+00.00	70' LT	1
447+00.00	45' LT	1
447+00.00	60' LT	1
447+00.00	45' RT	1
447+00.00	60' RT	1
448+00.00	30' LT	1
448+00.00	45' LT	1
451+29.19	217.47' LT	1
451+38.55	72.71' LT	1
451+44.31	218.72' LT	1
452+10.56	328.08' RT	1
452+16.83	327.44' RT	1
453+10.42	314.72' RT	1
453+25.19	312.10' RT	1
453+93.41	59.07' LT	1
453+94.83	51.34' LT	1
456+00.00	55' RT	1
456+00.00	65' RT	1
458+10.62	45' RT	1
458+10.62	65' RT	1
468+50.00	30' RT	1
468+50.00	45' RT	1
469+00.00	30' LT	1
469+00.00	32.90' LT	1
TOTAL		27

RIPRAP SCHEDULE

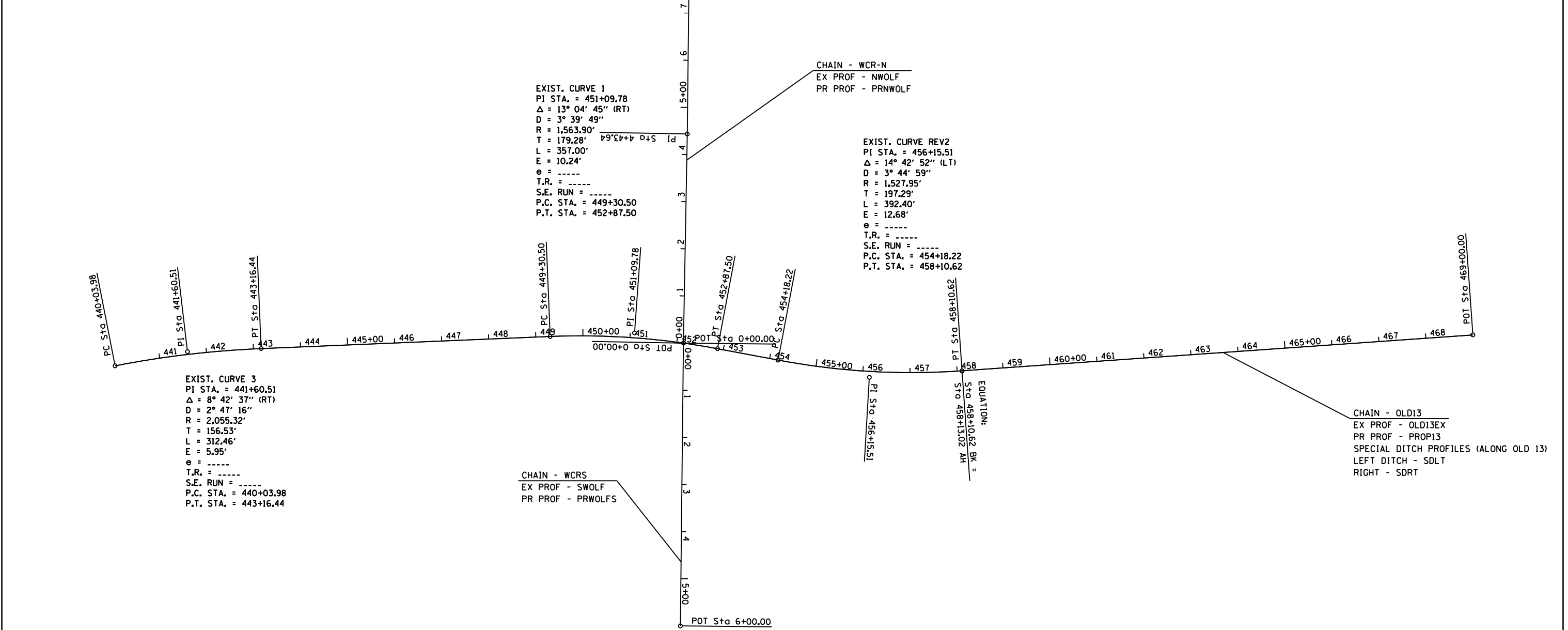
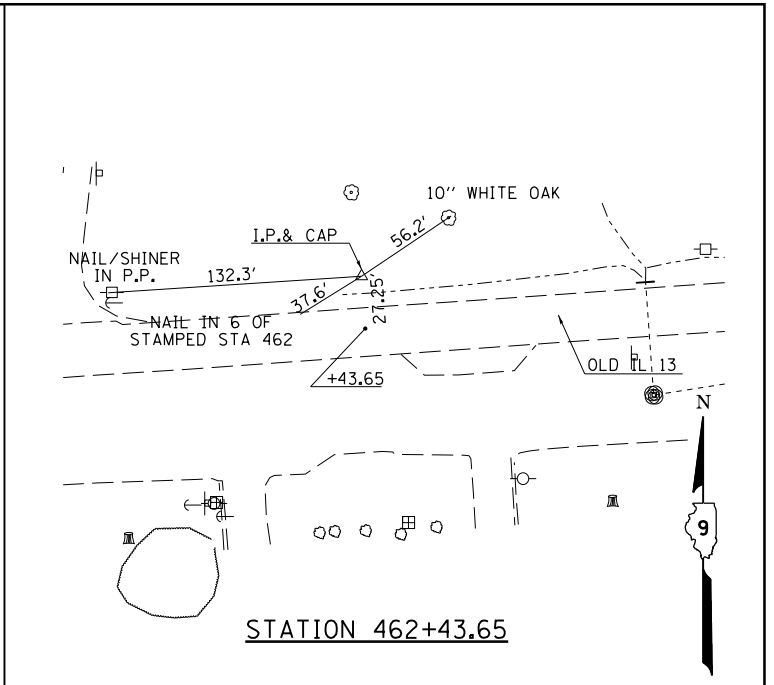
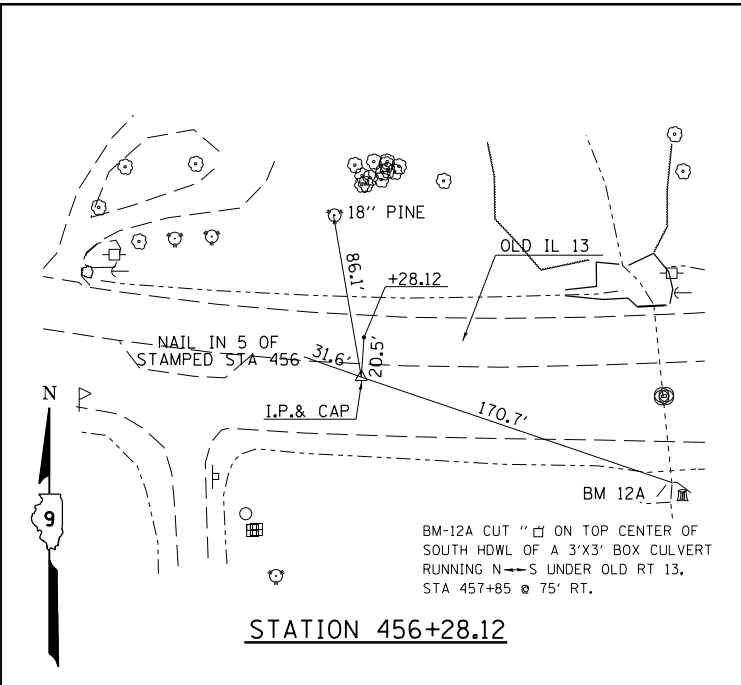
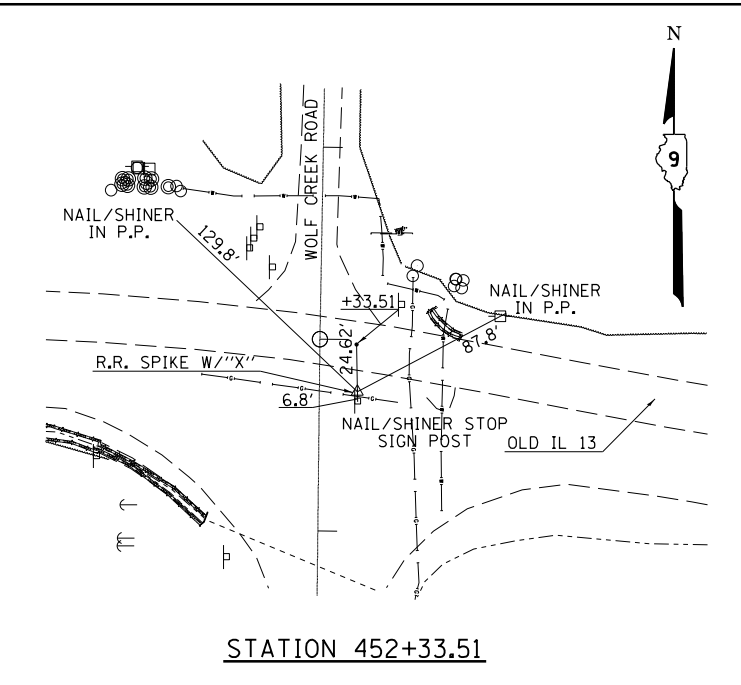
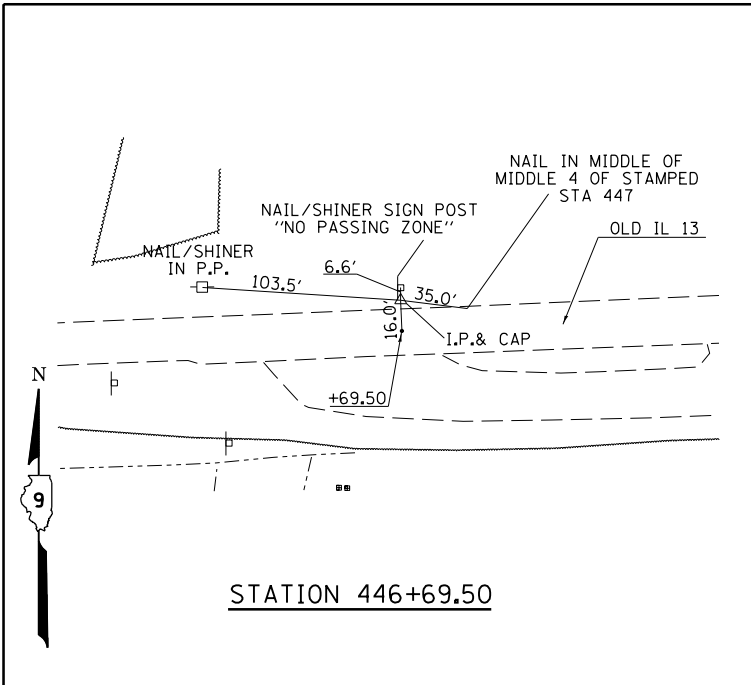
LOCATION STATION	STONE DUMPED RIPRAP CLASS A4	REMARKS
	SQ YD	
OLD IL 13		
SN 100-7129 (P)	46	
STA. 453+17 TO STA. 454+07 LT	41	DITCH LINING
STA. 456+91 TO STA. 457+37 LT	20	DITCH LINING
457+80.97	24	ENERGY DISSIPATOR
463+91.92	26	ENERGY DISSIPATOR
S WOLF CREEK RD		
0+50	27	ENERGY DISSIPATOR
N WOLF CREEK RD		
1+50	28	ENERGY DISSIPATOR
TOTAL		212

ENTRANCE SCHEDULE

LOCATION STATION	ENTRANCE TYPE	EXISTING SURFACE TYPE	PROP SURFACE TYPE	PROPOSED AREA	MINIMUM RADIUS	WIDTH (AT RADIUS RETURN)	LENGTH (FROM E. O. S)	INCIDENTAL HMA SURFACING	AGGREGATE FOR TEMPORARY ACCESS	AGGREGATE SURFACE COURSE TYPE A	AGGREGATE BASE COURSE TYPE A
				SQ FT	FEET	FEET	FEET	TON	TON	TON	TON
OLD IL 13											
455+50.00 LT	PE	AGG	AGG	1195.7	15	15	73		10	45.4	
460+98 TO 463+02 LT	TEMP ACCESS	N/A	AGG	2325.8						88.3	
463+03.97 RT	CE	O & C	HMA	1509.5	30	21	56	19	10		38.3
465+08.67 LT	PE	AGG	AGG	259	15	11	34		10	9.9	
465+71.74 LT	PE	AGG	AGG	387.2	15	18	34		10	14.7	
466+63.71 LT	PE	AGG	AGG	284.6	15	17	34		10	10.9	
TOTAL								19	50	170	39

TREE REMOVAL

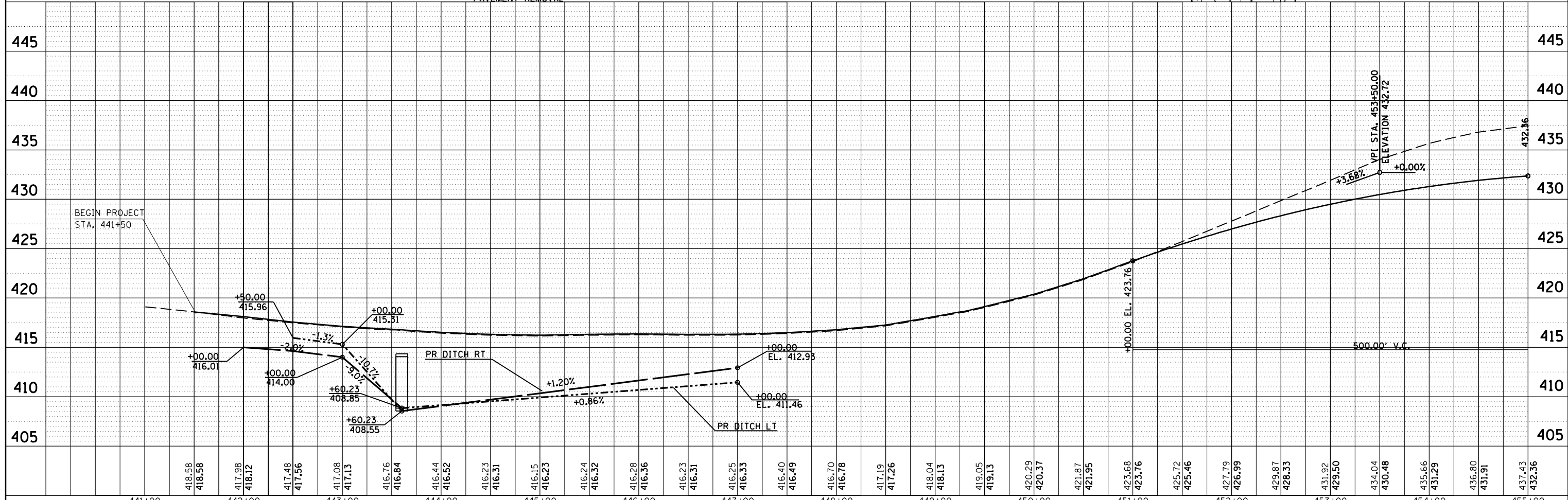
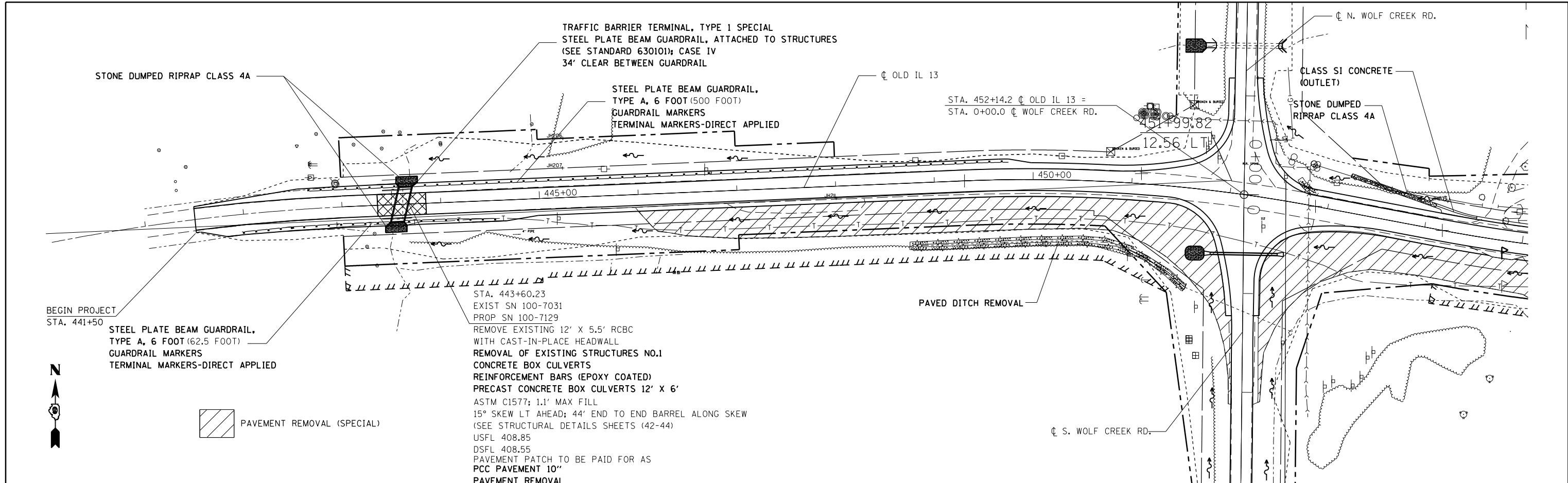
STATION	LOCATION	OFFSET FROM CENTERLINE	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	TREE REMOVAL (OVER 15 UNITS DIAMETER)	TREE REMOVAL (SEE SCHEDULE AT LEFT FOR LIMITS)
		(FEET)	UNIT	UNIT	ACRES
OLD IL 13					
445+09 TO 445+77		41' TO 58' LT			0.01
452+22 TO 454+47		25' TO 103' LT			0.07
	456+09	60' LT		20	
	458+68	45' LT	12		
	458+94	44' LT	11		
	459+21	42' LT	12		
	459+46	42' LT	13		
	459+70	41' LT	13		
	459+89	77' RT		37	
	459+95	41' LT	13		
	460+63	33' LT	9		
N WOLF CREEK					
0+81 TO 2+50		43' TO 68' LT			0.14
1+00 TO 2+50		24' TO 47' RT			0.08
TOTAL			83	57	0.30



FILE NAME =	USER NAME = colemm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TIE POINTS AND GEOPAK INFORMATION SHEET		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\1\084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 9\Projects\78257\DRAWING\CABshes\8257-shr-misc.dgn		CHECKED -	REVISED -				909	1R-1,IN-1	WILLIAMSON	65	24
PLOT SCALE = 100.0000' / in.		DATE -	REVISED -				CONTRACT NO. 78257			ILLINOIS FED. AID PROJECT	
PLOT DATE = 1/29/2016							SCALE: APPROX. 50' SHEET 1 OF 1 SHEETS STA. TO STA.				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	NOTE BOOK	
	NO.	
	FILE NAME	

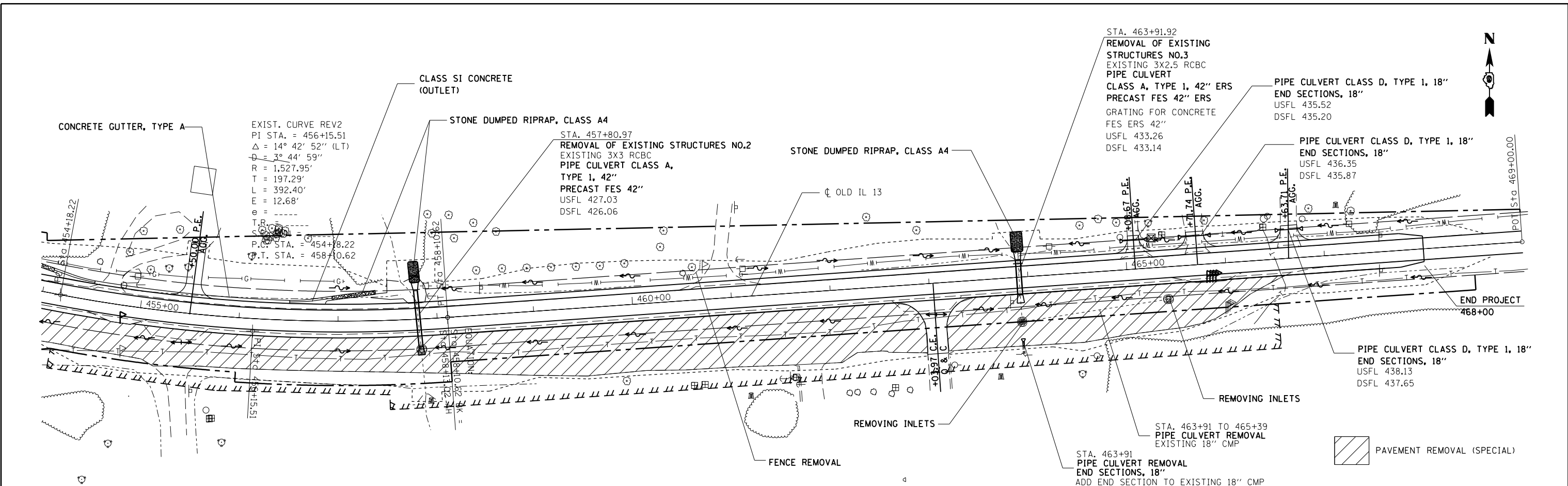
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE	NOTATIONS CHECKED
	NO.	



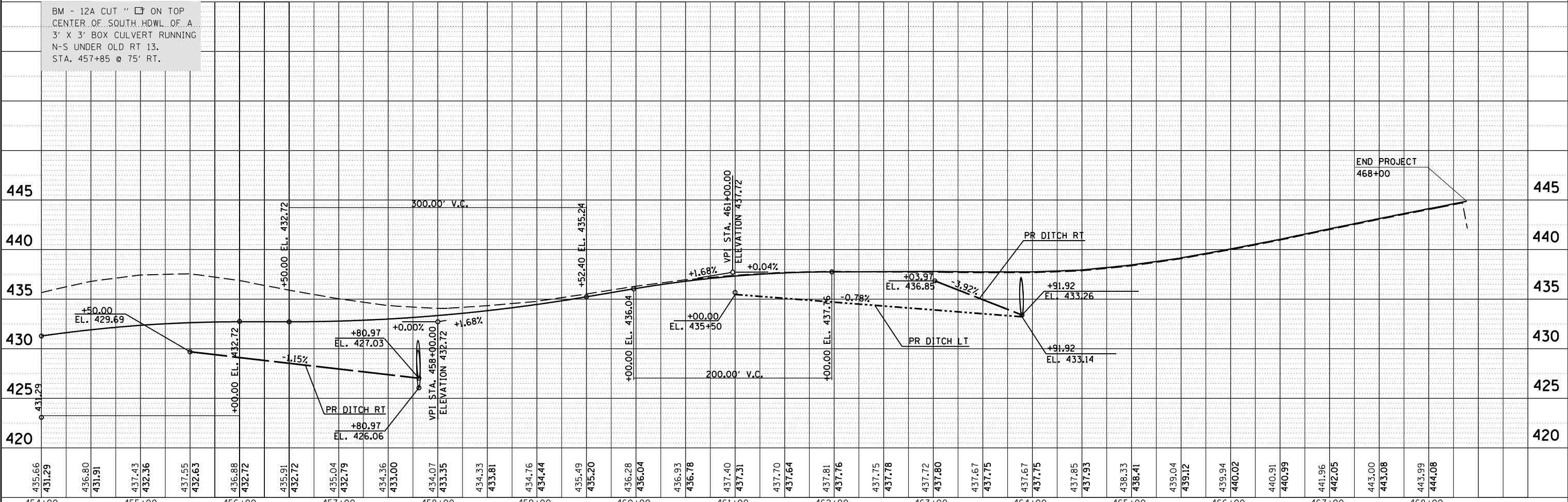
FILE NAME =	USER NAME = colemm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE SHEET OLD IL 13	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pwt:\IL084EBIDINTEG\Illinois.gov\PIDOT\Documents\1007 Offices\District 9\Projects\78257\DRAWN\CADsheets\78257-sht-plnprf.dgn	CHECKED -	REVISED -	909			IR-1,IN-1	Williamson	65	25	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 78257							
PLOT DATE = 1/29/2016	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							

PLAN	SURVEYED	BY	DATE
	NOTED		
	CHECKED		
	FILED		
	NO.		

PROFILE	SURVEYED	BY	DATE
	NOTED		
	CHECKED		
	FILED		
	NO.		



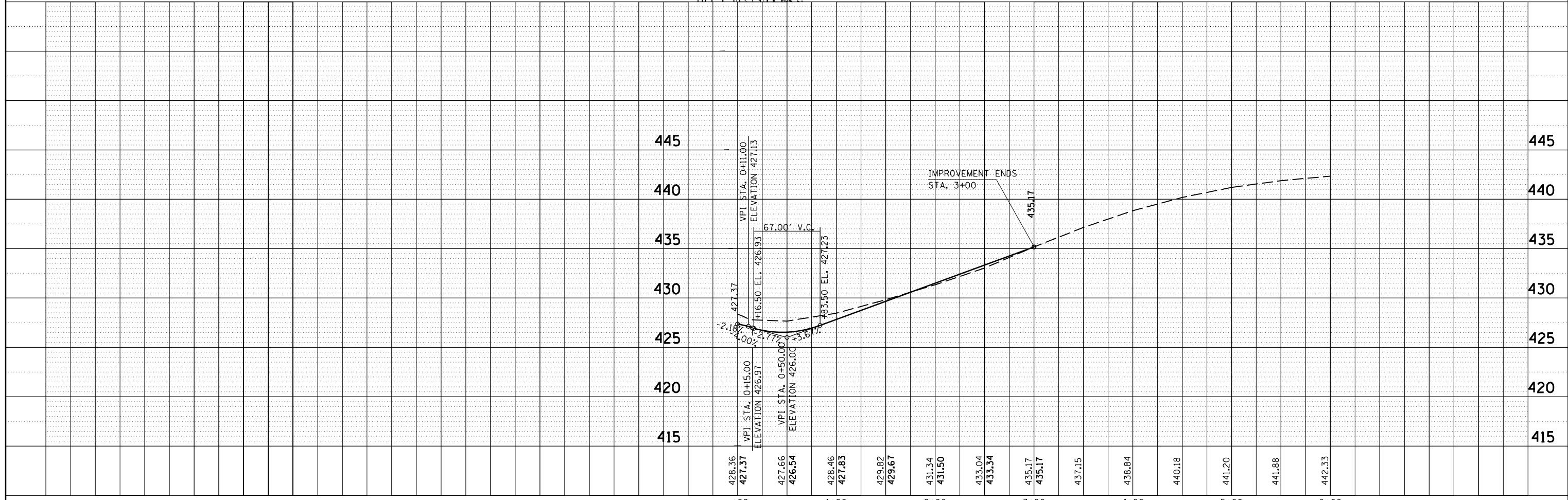
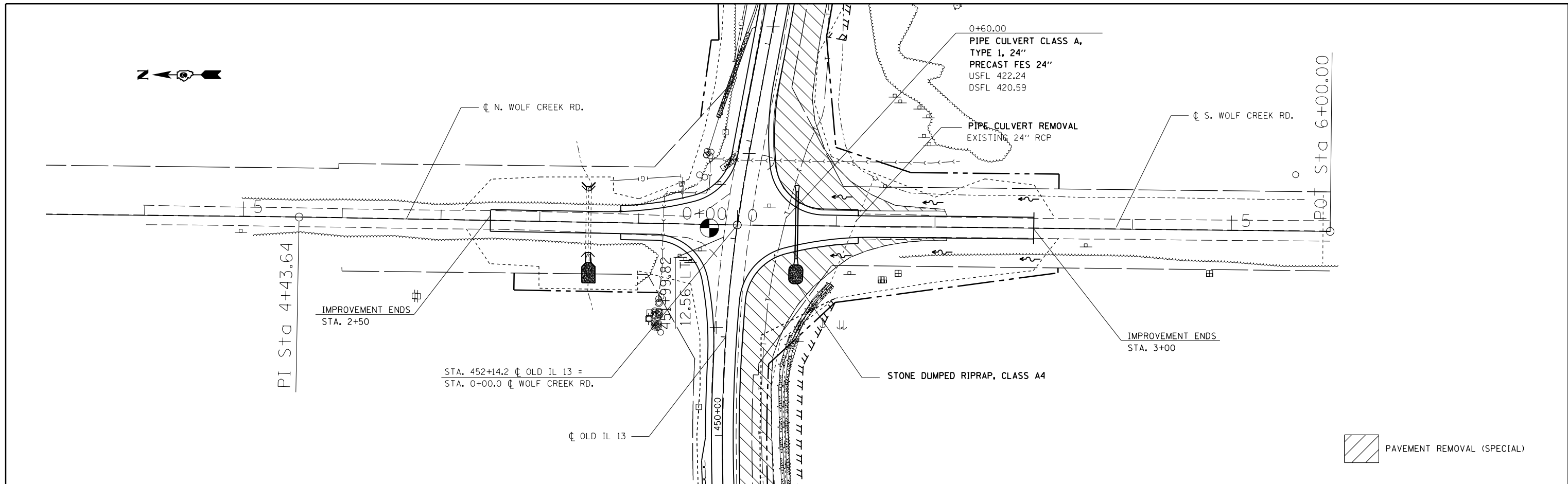
BM - 12A CUT " ON TOP CENTER OF SOUTH HDWL OF A 3' X 3' BOX CULVERT RUNNING N-S UNDER OLD RT 13. STA. 457+85 @ 75' RT.



FILE NAME =	USER NAME = colemm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE SHEET OLD IL 13	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
						909	1R-1,IN-1	Williamson	65	26
						CONTRACT NO. 78257				
						ILLINOIS FED. AID PROJECT				

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

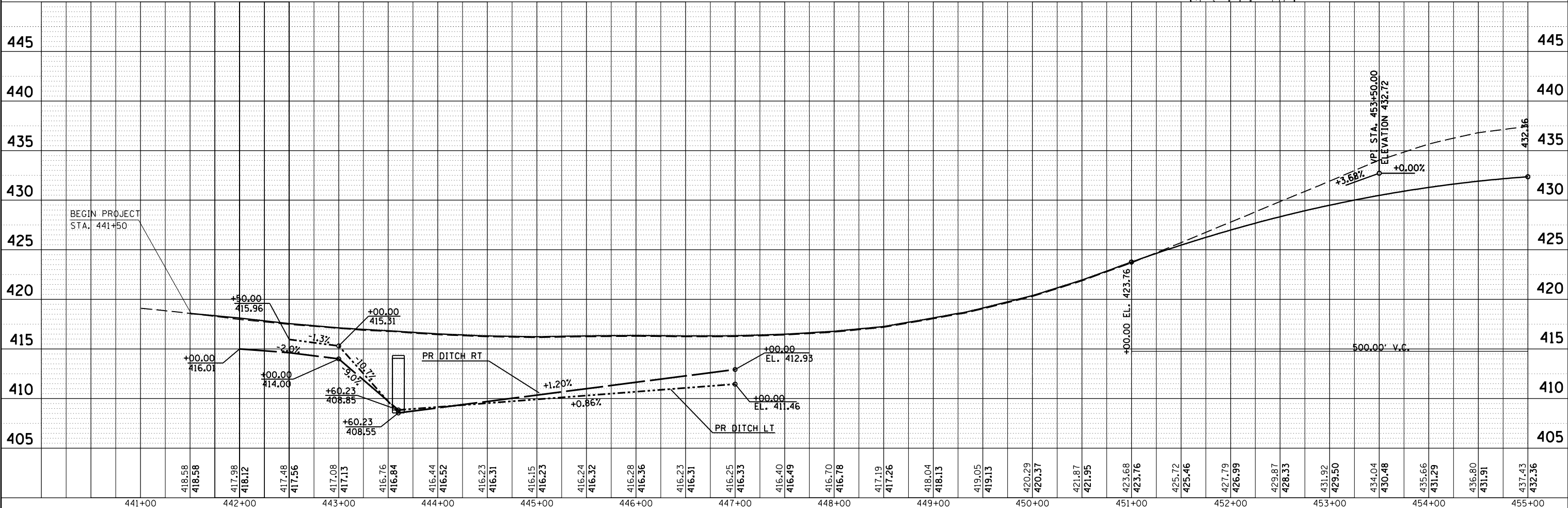
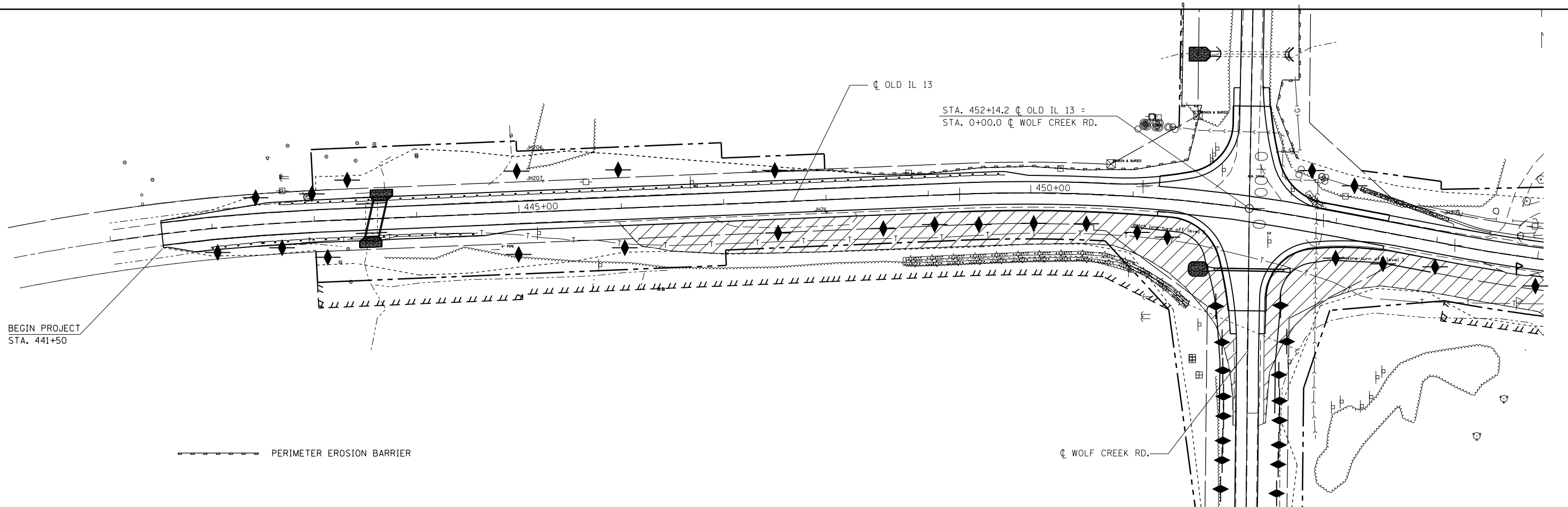
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES		
	CHECKED		
	STRUCTURE		
	NOTATIONS		
	CHKD		
	NO.		



FILE NAME =	USER NAME = colemm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE SHEET SOUTH WOLF CREEK RD.	F.A.S. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pwt:\IL084EBIDINTEG.allinois.gov\PI007\Documents\1007 Offices\District 9\Projects\78257\DRAWN\CADsheets\78257-sht-plnprf.dgn		CHECKED -	REVISED -			909	IR-1,IN-1	Williamson	65	27
PLOT SCALE = 100.0000' / in.		DATE -	REVISED -			CONTRACT NO. 78257			ILLINOIS FED. AID PROJECT	
PLOT DATE = 2/4/2016						SCALE:		SHEET NO. 3 OF 4 SHEETS		STA. 0+00 TO STA. 3+00

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO.		
	FILE NAME		

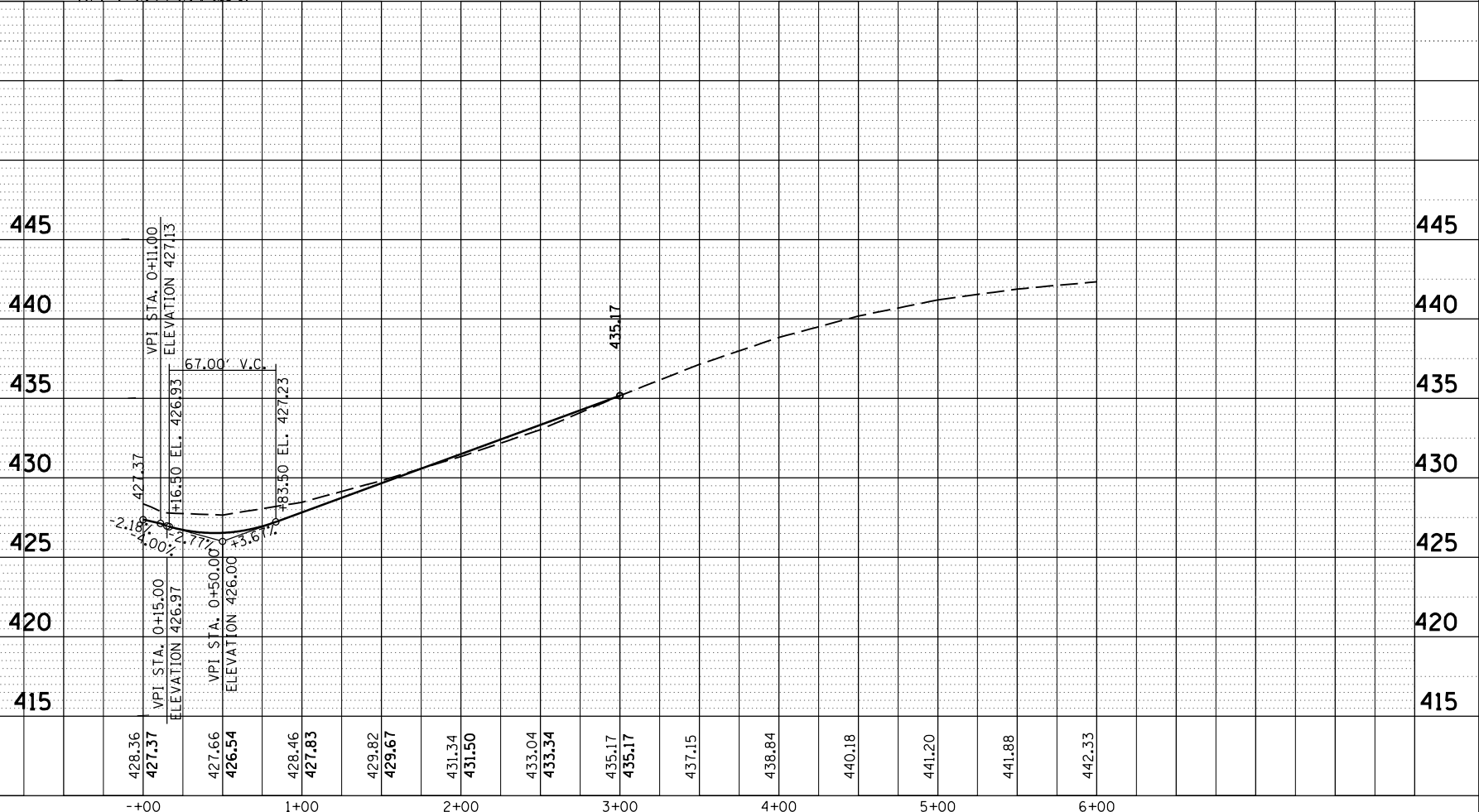
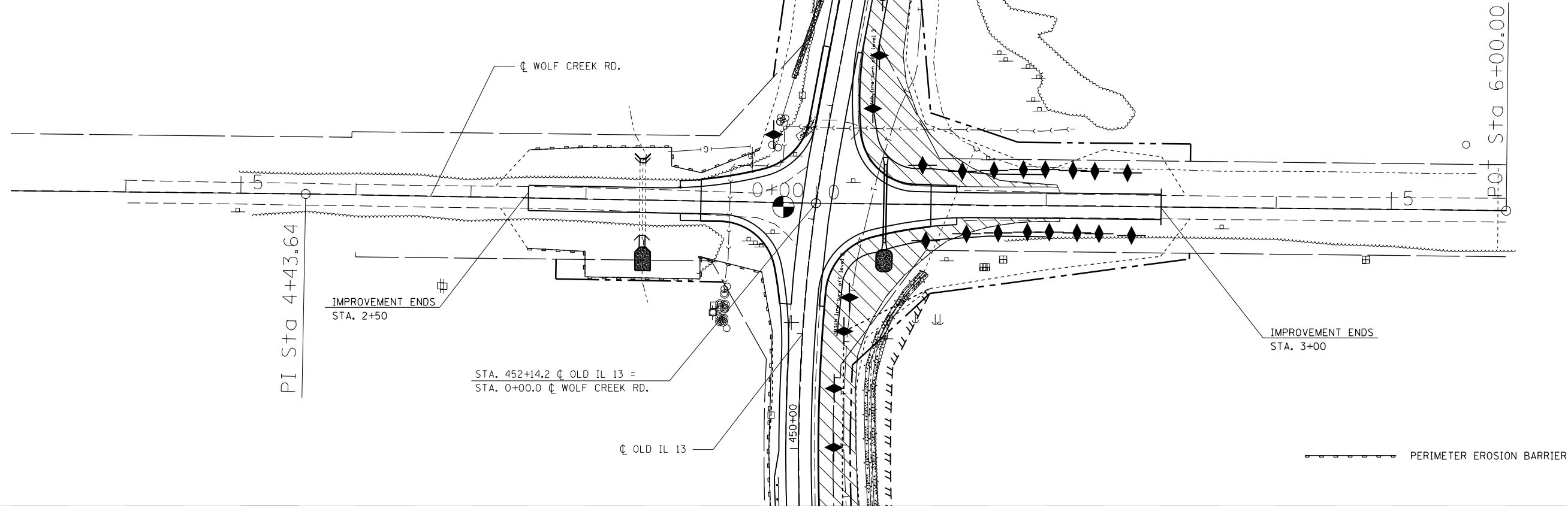
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	NO.		
	STRUCTURE		
	NOTATION		



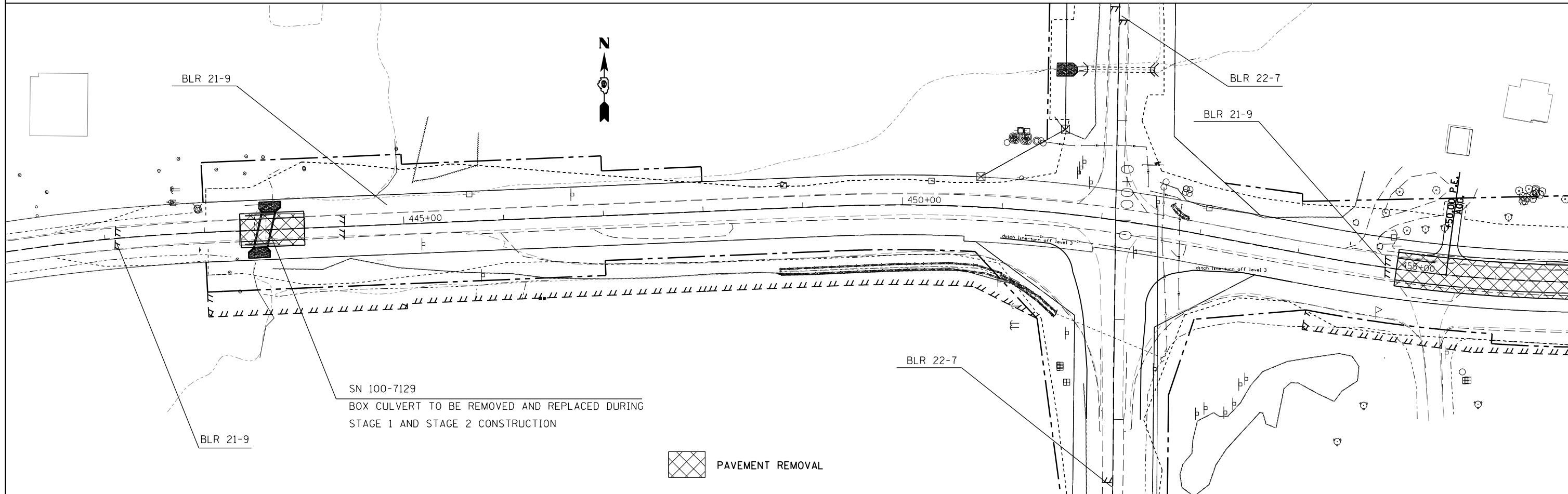
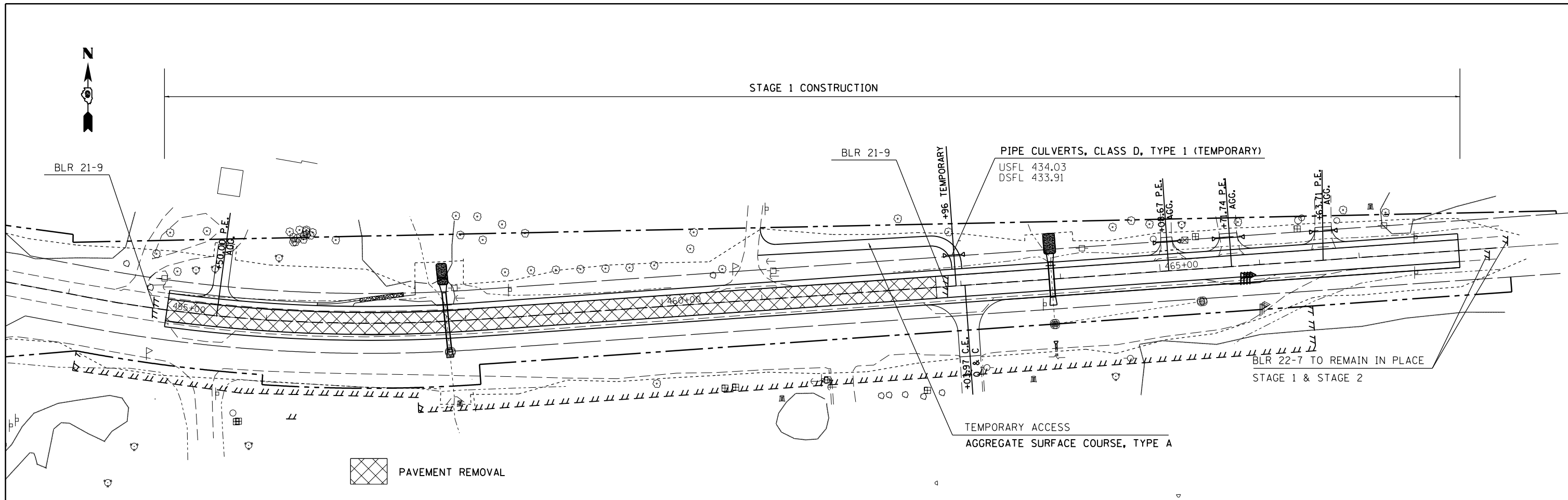
FILE NAME =	USER NAME = colemm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY EROSION CONTROL SHEETS OLD IL 13				F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\1\084EBIDINTEG\Illinois.gov\PIDOT\Documents\100T\Offices\District 9\Projects\78257\DRAWN\CADsheets\78257-sht-eros.dgn		CHECKED -	REVISED -		909	IR-1,N-1	Williamson	65	29				
PLOT SCALE = 100.0000' / in.		DATE -	REVISED -		CONTRACT NO. 78257								
PLOT DATE = 1/29/2016					ILLINOIS FED. AID PROJECT								

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

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



FILE NAME =	USER NAME = colemm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TEMPORARY EROSION CONTROL SHEETS SOUTH WOLF CREEK RD.			F.A.S. RE. 909	SECTION 1R-1,IN-1	COUNTY Williamson	TOTAL SHEETS 65	SHEET NO. 31
DRAWN					CONTRACT NO. 78257	SCALE: SHEET 3 OF 4 SHEETS STA. 0+00 TO STA. 3+00			ILLINOIS FED. AID PROJECT			
PLOT SCALE = 100.0000' / in.					CHECKED -	REVISED -						
PLOT DATE = 1/29/2016					DATE -	REVISED -						



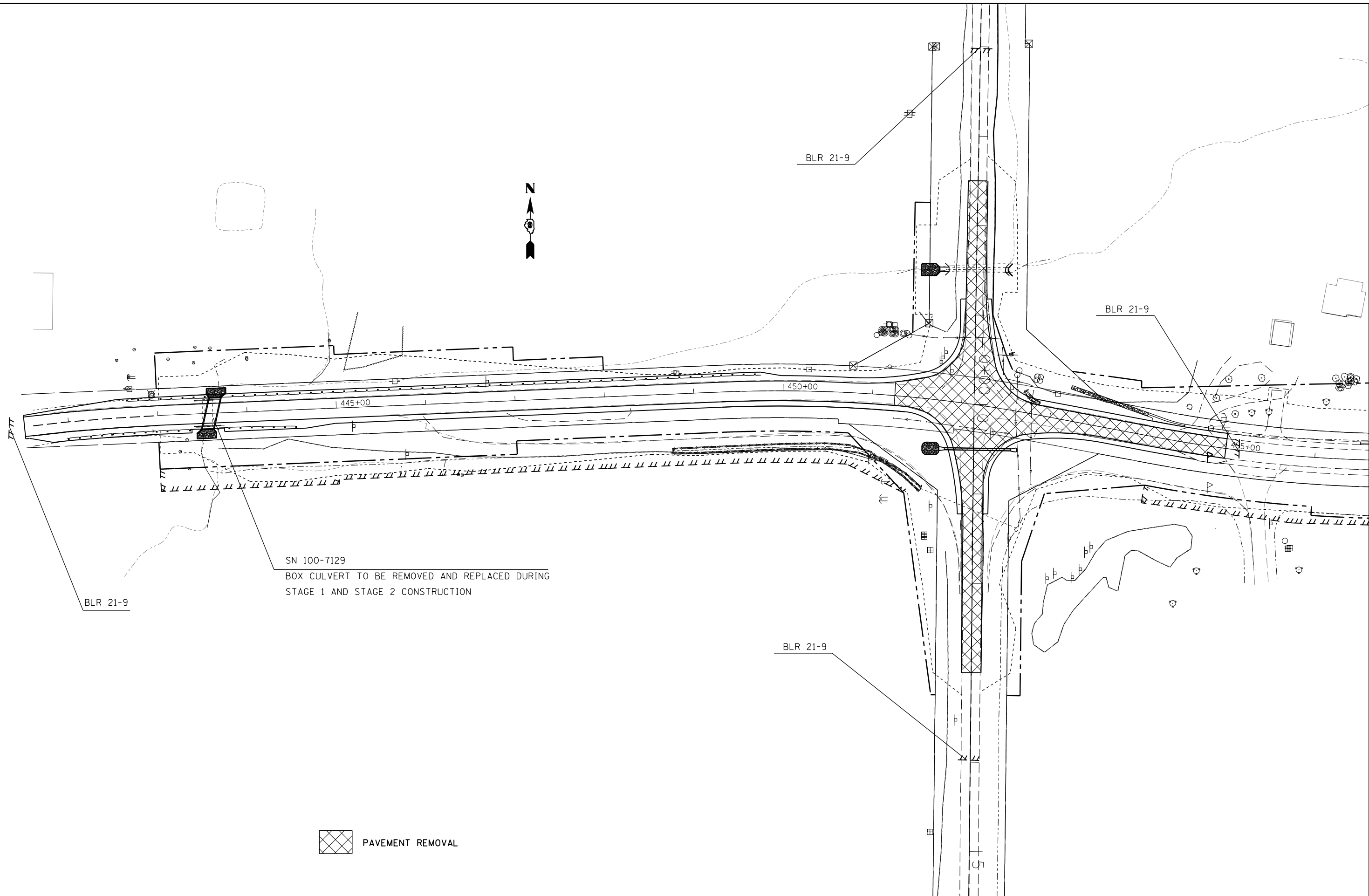
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pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 9\Projects\78257\Drawings\CABsheets\78257-sht-stage.dgn		DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -
PLOT DATE = 1/29/2016		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION STAGING SHEETS
STAGE 1**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
909	IR-1,IN-1	Williamson	65	33
CONTRACT NO. 78257			ILLINOIS FED. AID PROJECT	



SN 100-7129
 BOX CULVERT TO BE REMOVED AND REPLACED DURING
 STAGE 1 AND STAGE 2 CONSTRUCTION

 PAVEMENT REMOVAL

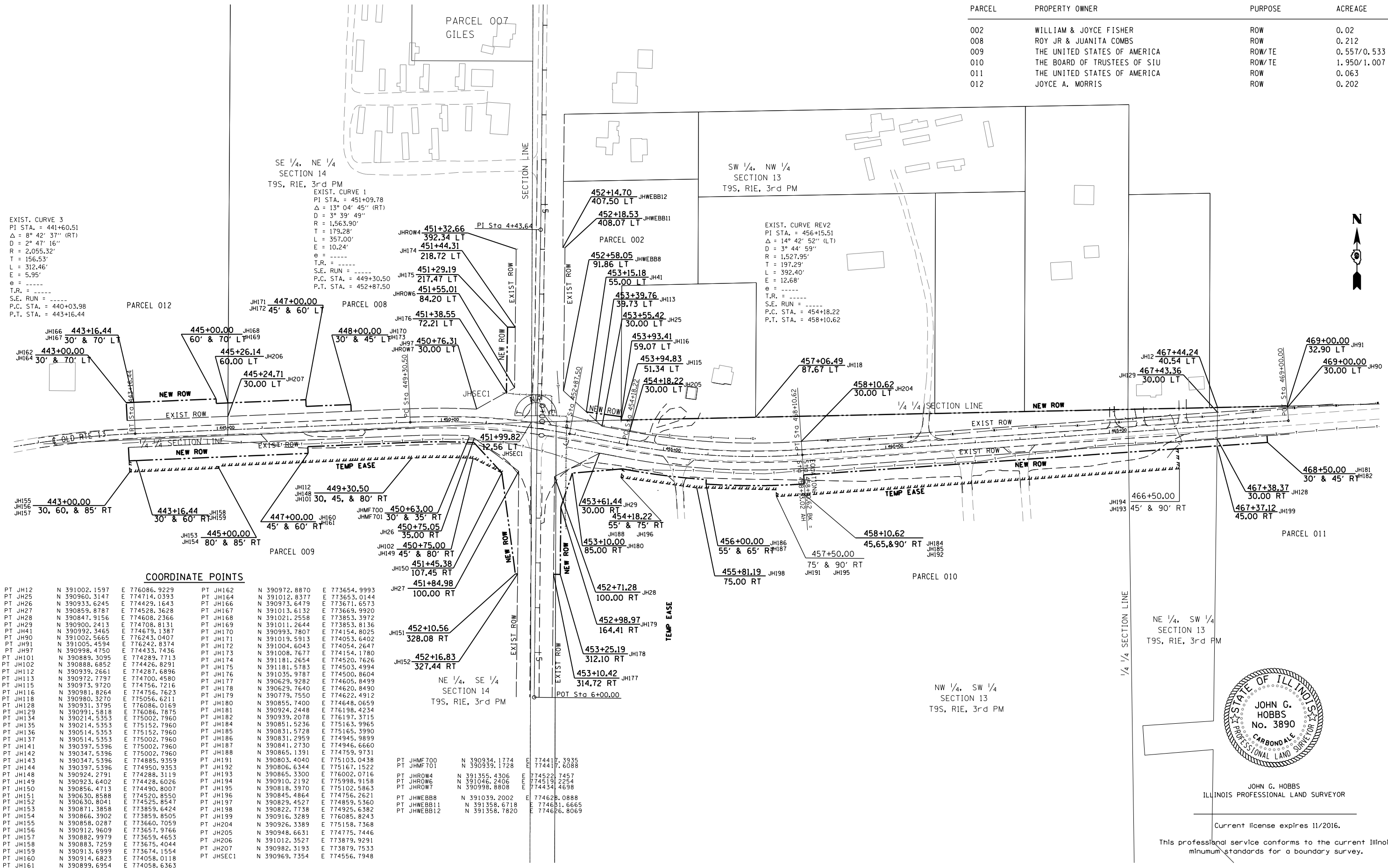
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p:\11\084EBIDINTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 9\Projects\78257\Drawings\CABsheets\78257-sht-stage.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 1/29/2016	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CONSTRUCTION STAGING SHEETS STAGE 2			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

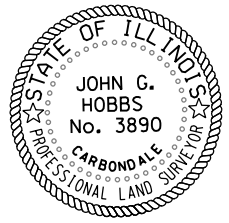
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
909	IR-1,IN-1	Williamson	65	34
CONTRACT NO. 78257				
ILLINOIS FED. AID PROJECT				

PARCEL	PROPERTY OWNER	PURPOSE	ACREAGE
002	WILLIAM & JOYCE FISHER	ROW	0.02
008	ROY JR & JUANITA COMBS	ROW	0.212
009	THE UNITED STATES OF AMERICA	ROW/TE	0.557/0.533
010	THE BOARD OF TRUSTEES OF SIU	ROW/TE	1.950/1.007
011	THE UNITED STATES OF AMERICA	ROW	0.063
012	JOYCE A. MORRIS	ROW	0.202



COORDINATE POINTS

PT JH112	N 391002.1597	E 776086.9229	PT JH162	N 390972.8870	E 773654.9993
PT JH125	N 390960.3147	E 774714.0393	PT JH164	N 391012.8377	E 773653.0144
PT JH226	N 390933.6245	E 774429.1643	PT JH166	N 390973.6479	E 773671.6573
PT JH27	N 390859.8787	E 774528.3628	PT JH167	N 391013.6132	E 773669.9920
PT JH28	N 390847.9156	E 774608.2366	PT JH168	N 391021.2558	E 773853.3972
PT JH29	N 390900.2413	E 774708.8131	PT JH169	N 391011.2644	E 773853.8136
PT JH41	N 390992.3465	E 774679.1387	PT JH170	N 390993.7807	E 774154.8025
PT JH90	N 391002.5665	E 776243.0407	PT JH171	N 391019.5913	E 774053.6402
PT JH91	N 391005.4594	E 776242.8374	PT JH172	N 391004.6043	E 774054.2647
PT JH97	N 390998.4750	E 774433.7436	PT JH173	N 391008.7677	E 774154.1780
PT JH101	N 390889.3095	E 774289.7713	PT JH174	N 391181.2654	E 774520.7626
PT JH102	N 390888.6852	E 774426.8291	PT JH175	N 391181.5783	E 774503.4994
PT JH112	N 390939.2661	E 774287.6896	PT JH176	N 391035.9787	E 774500.8604
PT JH113	N 390972.7797	E 774700.4580	PT JH177	N 390629.9282	E 774605.8499
PT JH115	N 390975.9720	E 774756.7216	PT JH178	N 390629.7640	E 774620.8490
PT JH116	N 390981.8264	E 774756.7623	PT JH179	N 390779.7550	E 774622.4912
PT JH118	N 390980.3270	E 775056.6211	PT JH180	N 390855.7400	E 774648.0659
PT JH128	N 390931.3795	E 776086.0169	PT JH181	N 390924.2448	E 776198.4234
PT JH129	N 390991.5818	E 776086.7875	PT JH182	N 390939.2078	E 776197.3715
PT JH134	N 390214.5353	E 775002.7960	PT JH184	N 390851.5236	E 775163.9965
PT JH135	N 390214.5353	E 775152.7960	PT JH185	N 390831.5728	E 775165.3990
PT JH136	N 390514.5353	E 775152.7960	PT JH186	N 390831.2959	E 774945.9899
PT JH137	N 390514.5353	E 775002.7960	PT JH187	N 390841.2730	E 774946.6660
PT JH141	N 390397.5396	E 775002.7960	PT JH188	N 390865.1391	E 774759.9731
PT JH142	N 390347.5396	E 775002.7960	PT JH189	N 390803.4040	E 775103.0438
PT JH143	N 390347.5396	E 774885.9359	PT JH191	N 390803.4040	E 775103.0438
PT JH144	N 390397.5396	E 774950.9353	PT JH192	N 390806.6344	E 775167.1522
PT JH148	N 390924.2791	E 774288.3119	PT JH193	N 390865.3300	E 776002.0716
PT JH149	N 390923.6402	E 774428.6026	PT JH194	N 390910.2192	E 775998.9158
PT JH150	N 390856.4713	E 774490.8007	PT JH195	N 390818.3970	E 775102.5863
PT JH151	N 390630.8588	E 774520.8500	PT JH196	N 390845.4864	E 774756.2621
PT JH152	N 390630.8041	E 774525.8547	PT JH197	N 390829.4527	E 774859.5360
PT JH153	N 390871.3858	E 773859.6424	PT JH198	N 390822.7738	E 774925.6382
PT JH154	N 390866.3902	E 773859.8505	PT JH199	N 390916.3289	E 776085.8243
PT JH155	N 390858.0287	E 773660.7059	PT JH204	N 390926.3389	E 775158.7368
PT JH156	N 390912.9609	E 773657.9766	PT JH205	N 390948.6631	E 774775.7446
PT JH157	N 390882.9979	E 773659.4653	PT JH206	N 391012.3527	E 773879.9291
PT JH158	N 390883.7259	E 773675.4044	PT JH207	N 390982.3193	E 773879.7533
PT JH159	N 390913.6999	E 773674.1554	PT JHSEC1	N 390969.7354	E 774556.7948
PT JH160	N 390914.6823	E 774058.0118			
PT JH161	N 390899.6954	E 774058.6363			



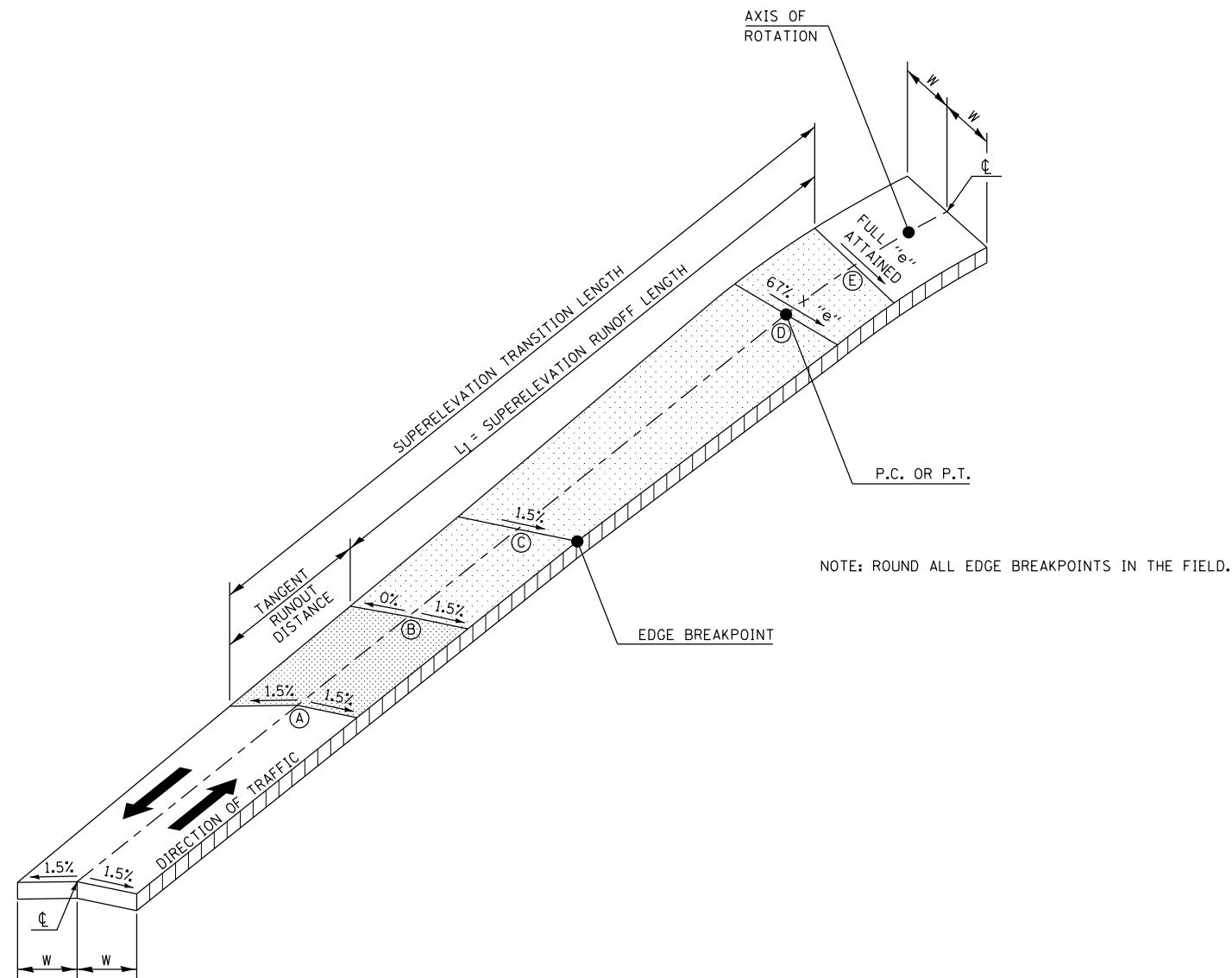
JOHN G. HOBBS
ILLINOIS PROFESSIONAL LAND SURVEYOR
Current license expires 11/2016.
This professional service conforms to the current Illinois minimum standards for a boundary survey.

FILE NAME	USER NAME	DESIGNED	REVISIONS	RIGHT OF WAY PLANS		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\1\084EBIDINTEG\Illinois.gov\PI\DOT\Documents\DOT Offices\District 9\Projects\7825\Drawings\CAB\GNH\900111-shr-row.dgn	colemm	DRAWN	REVIS	PROJECT D903411		909	IR-1,IN-1	WILLIAMSON	65	35
		CHECKED	REVIS	JOB NO. R-99-001-11						
		DATE	REVIS	SCALE: 200						
				SHEET 1 OF 1 SHEETS						
				STA. TO STA.						
				FED. ROAD DIST. NO.						
				ILLINOIS FED. AID PROJECT						

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLANS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
909	IR-1,IN-1	WILLIAMSON	65	35
CONTRACT NO. 78257				



NOTE: ROUND ALL EDGE BREAKPOINTS IN THE FIELD.

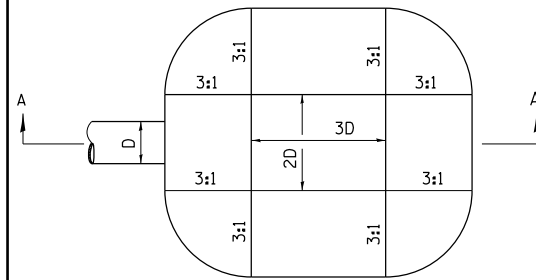
W = LANE WIDTH (SEE TYPICAL SECTIONS)
e = DESIGN SUPERELEVATION RATE

		Attaining Superelevation									
		A		B		C		D		E	
Curve #	Station	LT	RT	LT	RT	LT	RT	LT	RT	LT	RT
		01		01		01		01		01	
Curve # 1	448+46.500										
SE Rate		-1.50	-1.50	0.00	-1.50	1.50	-1.50	2.00	-2.00	3.00	-3.00
		01		01		01		01		01	
Curve # 2											
SE Rate				-1.50	0.00	-1.50	1.50	-2.00	2.00	-3.00	3.00

		Removing Superelevation									
		E		D		C		B		A	
Curve #	Station	LT	RT	LT	RT	LT	RT	LT	RT	LT	RT
		01		01		01		01			
Curve # 1	452+63.500										
SE Rate		3.00	-3.00	2.00	-2.00	1.50	-1.50	0.00	-1.50		
		01		02		02		02		02	
Curve # 2	457+86.624										
SE Rate		-3.00	3.00	-2.00	2.00	-1.50	1.50	-1.50	0.00	-1.50	-1.50

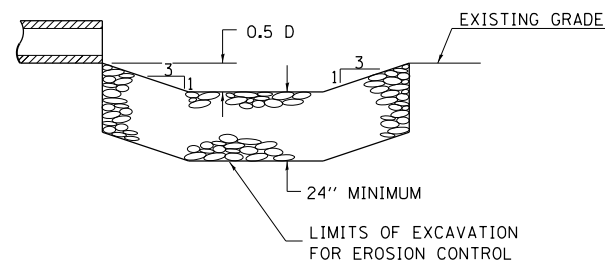
ENERGY DISSIPATOR

EARTH EXCAVATION FOR ENERGY DISSIPATOR



D= INSIDE DIAMETER OF PIPE CULVERT OR CLEAR HEIGHT OF BOX CULVERT

PLAN



SECTION A-A

THIS WORK INVOLVES THE EXCAVATION OF EARTH AS SHOWN IN THE SKETCH TO THE LENGTH, WIDTH, AND DEPTH AS SPECIFIED. THE EARTH EXCAVATION WILL BE UTILIZED IN THE ROADWAY EMBANKMENT OR WASTED AS DIRECTED BY THE ENGINEER. THE EXCAVATION SHALL BE PERFORMED AT THE SAME TIME AS THE CULVERT OR DITCH IS CONSTRUCTED TO SERVE AS A TEMPORARY SEDIMENT TRAP.

EARTHWORK WILL BE CONSIDERED INCLUDED IN THE COST OF THE RIPRAP.

ENERGY DISSIPATOR IS TO BE CONSTRUCTED AT THE LOCATION INDICATED ON THE PLAN AND PROFILE SHEETS.

RIPRAP FOR ENERGY DISSIPATOR

RIPRAP FOR ENERGY DISSIPATOR SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 281 OF THE STANDARD SPECIFICATIONS EXCEPT AS REVISED HEREIN.

THE LENGTH, WIDTH, AND DEPTH FOR RIPRAP PLACEMENT SHALL BE AS SPECIFIED IN THESE DETAILS UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE RIPRAP FOR THE ENERGY DISSIPATOR SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR **STONE DUMPED RIPRAP**.

THE STONE DUMPED RIPRAP SHALL CONFORM TO THE QUALITY AND GRADATION REQUIREMENTS OF STONE RIPRAP, CLASS A4.

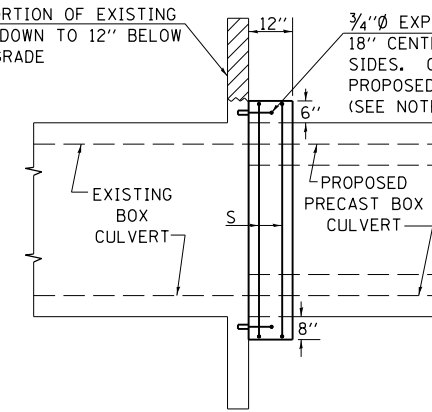
BEDDING MATERIAL AS SPECIFIED IN SECTION 281 OF THE STANDARD SPECIFICATIONS WILL NOT BE REQUIRED.

REVISIONS	
REDRAWN	2-15-89
REVISED	11-3-93
REVISED	8-15-94
REVISED	12-14-01
REVISED	3-26-08

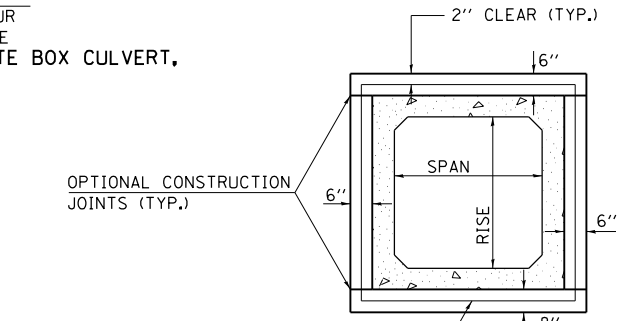
STD 9-6

CONCRETE COLLAR FOR PRECAST BOX CULVERT

REMOVE PORTION OF EXISTING HEADWALL DOWN TO 12" BELOW FINISHED GRADE



SIDE VIEW



END VIEW

2 - #5 S BARS (CONTINUOUS OR 1'-8" MIN LAP) COST INCLUDED IN THE PROPOSED PRECAST CONCRETE BOX CULVERT.

TABULATION

(FOR INFORMATION PURPOSES ONLY)

SPAN X RISE	CLASS SI CONC. CU. YD. (EST.)
3' X 2'	0.30
3' X 3'	0.34
4' X 2'	0.36
4' X 3'	0.39
4' X 4'	0.43
5' X 3'	0.45
5' X 4'	0.49
6' X 3'	0.51
6' X 4'	0.54

THE CONCRETE COLLAR SHALL BE CONSIDERED INCLUDED IN PRECAST CONCRETE BOX CULVERT, WHICH PRICE SHALL INCLUDE THE REMOVAL OF SUCH PORTIONS OF THE EXISTING HEADWALLS AS MAY BE REQUIRED. CLASS SI CONCRETE SHALL BE USED THROUGHOUT.

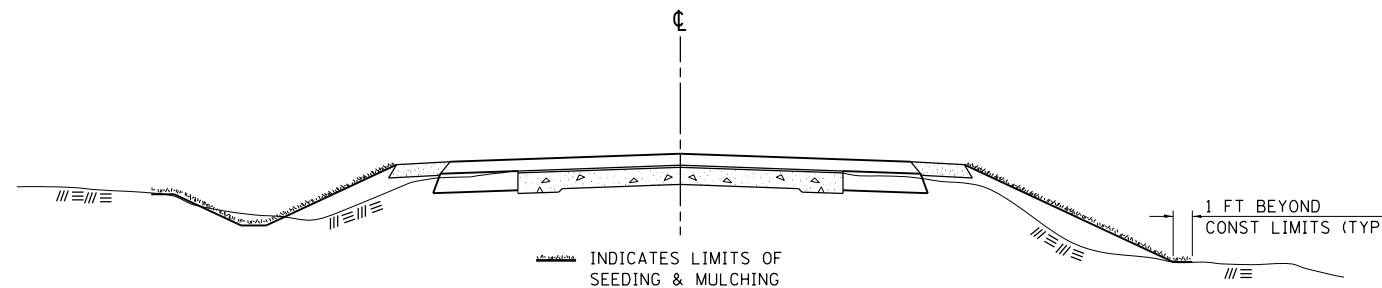
NOTE:

EXPANSION BOLTS, MEETING THE REQUIREMENTS OF ARTICLE 1006.09 OF THE STANDARD SPECIFICATIONS, SHALL EXTEND A MINIMUM OF 9 INCHES INTO THE NEW CONCRETE. EXPANSION BOLTS SHALL CONSIST OF APPROVED EXPANSION ANCHORS, PROVIDING A MINIMUM CERTIFIED PROOF LOAD OF 4080 POUNDS AND BE 3/4" Ø HOOKED BOLTS.

REVISIONS			
DRAWN	8-15-89	REVISED	12-17-01
REVISED	2-15-90	REVISED	3-26-08
REVISED	8-10-90	REVISED	5-17-13
REVISED	8-19-94	REVISED	1-26-16

STD. 9-45

SEEDING & MULCHING



INDICATES LIMITS OF SEEDING & MULCHING

GENERAL NOTES

IN GENERAL, ALL EARTH SURFACES DISTURBED DURING CONSTRUCTION OPERATIONS SHALL BE SEEDDED AND MULCHED UPON COMPLETION OF ALL GRADING OPERATIONS.

FERTILIZER NUTRIENTS AND LIMESTONE SHALL BE APPLIED TO ALL SEEDDED AREAS.

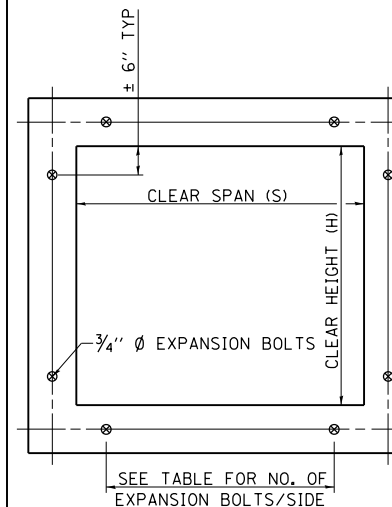
THE RATES OF APPLICATION OF FERTILIZER, MULCH AND LIMESTONE SHALL BE AS SPECIFIED IN THE SPECIAL PROVISIONS.

SECTIONS 250 AND 251 OF THE STANDARD SPECIFICATIONS SHALL GOVERN THIS WORK EXCEPT AS SPECIFIED HEREIN OR AS NOTED IN THE SPECIAL PROVISIONS.

REVISIONS	
REDRAWN	2-15-89
REVISED	8-15-94
REVISED	6-3-99
REVISED	3-27-08

STD. 9-12

EXPANSION BOLTS REQUIRED FOR CULVERT EXTENSIONS



CROSS SECTION THRU BARREL

FOR ANCHOR BOLT REQUIREMENTS, SEE ARTICLE 1006.09 OF THE STANDARD SPECIFICATIONS.

EXPANSION BOLTS SHALL CONSIST OF SELF DRILLING EXPANSION SHIELDS AND 3/4" Ø HOOKED BOLTS. HOOKED BOLTS SHALL EXTEND A MINIMUM OF 9" INTO NEW CONCRETE.

MINIMUM CERTIFIED PROOF LOAD=7500 LBS.

BOLTS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR **EXPANSION BOLTS, 3/4 INCH.**

H OR S	NO. EXPANSION BOLTS REQ'D/SIDE			
	EXTENSION ≤ 15'		EXTENSION > 15'	
	NO.	SPACING	NO.	SPACING
2.0	*	*	*	*
2.5	2	18"	2	18"
3.0	2	24"	2	24"
4.0	3	18"	3	18"
5.0	4	16"	3	24"
6.0	5	15"	4	20"
7.0	5	18"	4	24"
8.0	6	17"	5	21"
9.0	6	19"	5	24"
10.0	7	18"	6	21"
11.0	8	17"	6	24"
12.0	8	19"	7	22"

* NOTE: USE MINIMUM OF 1 EXPANSION BOLT AT EACH CORNER.

EXAMPLE:

6' X 4' BOX CULVERT TO BE EXTENDED 18' AT ONE END ONLY.

FROM TABLE FIND:

6' SIDE REQUIRES (4)-3/4" Ø EXPANSION BOLTS AT 20" CENTERS

4' SIDE REQUIRES (3)-3/4" Ø EXPANSION BOLTS AT 18" CENTERS

TOTAL NO. REQUIRED (4+3)2 = (14)-3/4" Ø EXPAN. BOLTS

REVISIONS			
REDRAWN	2-15-89	REVISED	3-26-08
REVISED	8-15-94	REVISED	12-14-01
REVISED	8-19-94	REVISED	1-26-16

STD. 9-9

FILE NAME =	USER NAME = colemm	DESIGNED -	REVISED -
pw:\1\084EBIDINTEG\illinois.gov\PIDOT\Documents\DOT Offices\District 9\Projects\78257\CAB\Drawings\78257-sht-misc.dgn		DRAWN -	REVISED -
PLOT SCALE = 100.0000' / 1"		CHECKED -	REVISED -
PLOT DATE = 1/29/2016		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

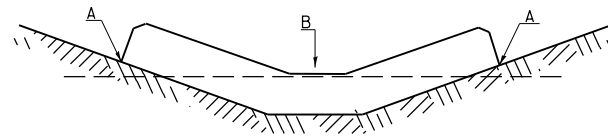
PLAN DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
909	IR-1,IN-1	Williamson	65	37
CONTRACT NO. 78257			ILLINOIS FED. AID PROJECT	

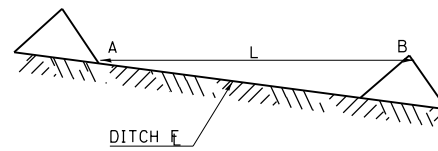
TEMPORARY DITCH CHECKS

PLACEMENT OF TEMPORARY DITCH CHECK IN DRAINAGE WAY



POINTS A SHOULD BE HIGHER THAN POINT B

SPACING BETWEEN TEMPORARY DITCH CHECKS



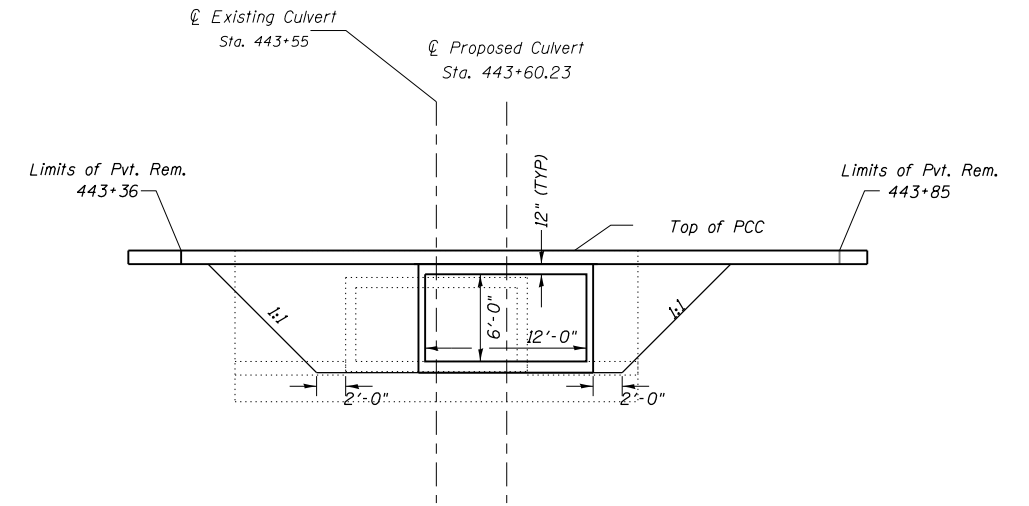
L = THE DISTANCE SUCH THAT POINTS A AND B ARE OF EQUAL ELEVATION

B = THE LOW POINT IN CENTER OF CHECK

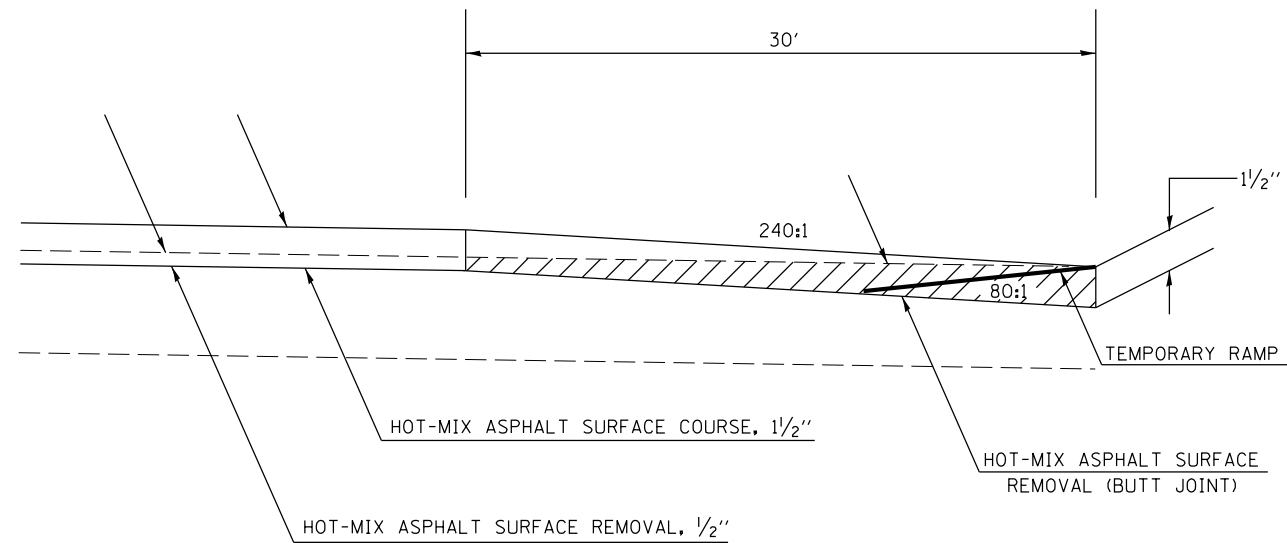
REVISIONS	
DRAWN	9-01-99
REVISED	10-3-01
RESIZED	5-8-08
REVISED	05-04-10

STD. 9-108

TYPICAL LIMITS OF EARTH EXCAVATION SN 100-7129 (P)



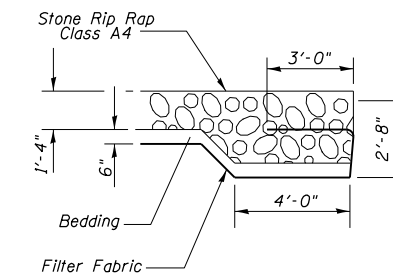
BUTT JOINT DETAIL



TO BE USED:

STA. 441+50 TO STA. 441+80
STA. 467+70 TO STA. 468+00

FLANK STONE RIPRAP TREATMENT FOR STREAM CROSSINGS



FILE NAME =	USER NAME = colemm	DESIGNED -	REVISED -
pw:\11084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 9\Projects\78257\Drawings\CABsheets\78257-sht-misc.dgn		CHECKED -	REVISED -
		DATE -	REVISED -

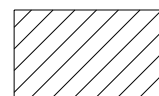
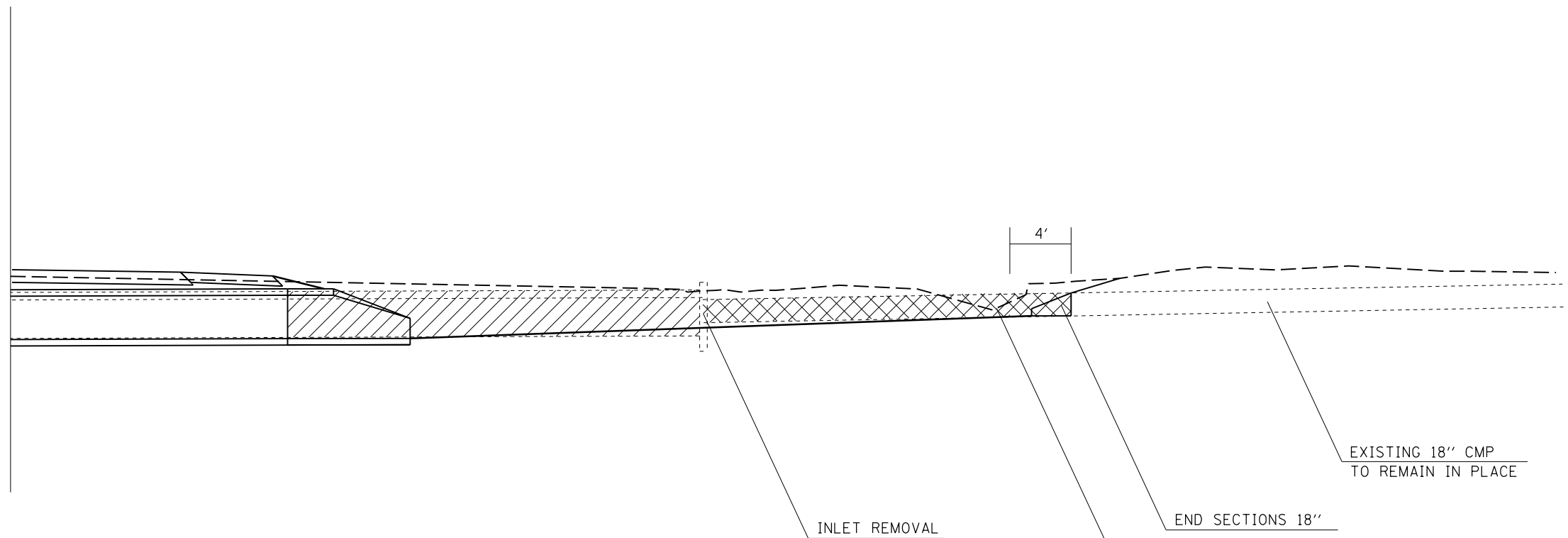
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN DETAILS

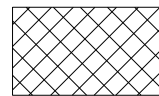
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
909	IR-1,IN-1	Williamson	65	38
CONTRACT NO. 78257				
ILLINOIS FED. AID PROJECT				

PIPE DETAIL STA. 463+91.92



REMOVE EXISTING STRUCTURES



PIPE CULVERT REMOVAL

REMOVE 4' OF EXISTING 18" CMP PIPE BEGINNING AT THE COLLAPSED AREA AND PLACE AN END SECTION ON THE END OF THE EXISTING PIPE

FILE NAME =	USER NAME = colemm	DESIGNED -	REVISED -
p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 9\Projects\78257\Drawings\CABsheets\78257-sht-misc.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 1/29/2016	DATE -	REVISED -

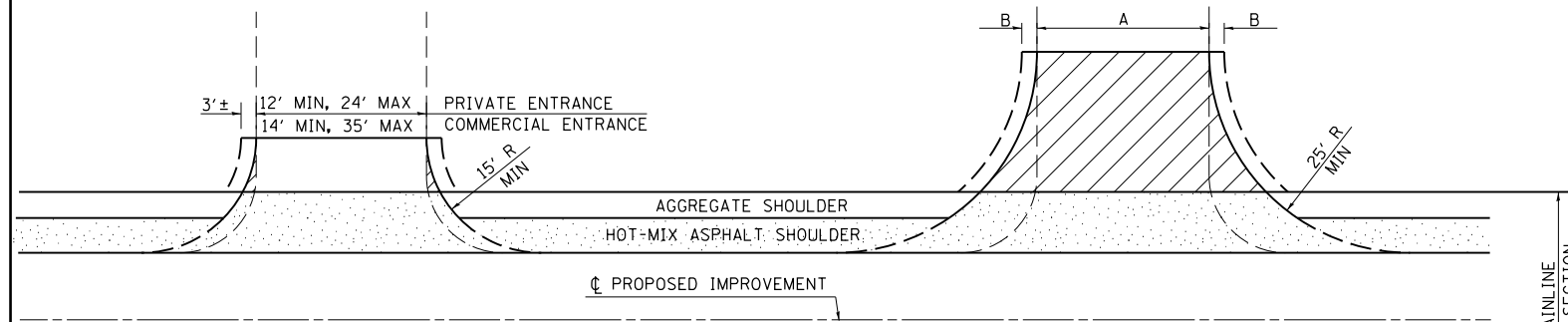
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PIPE DETAIL			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

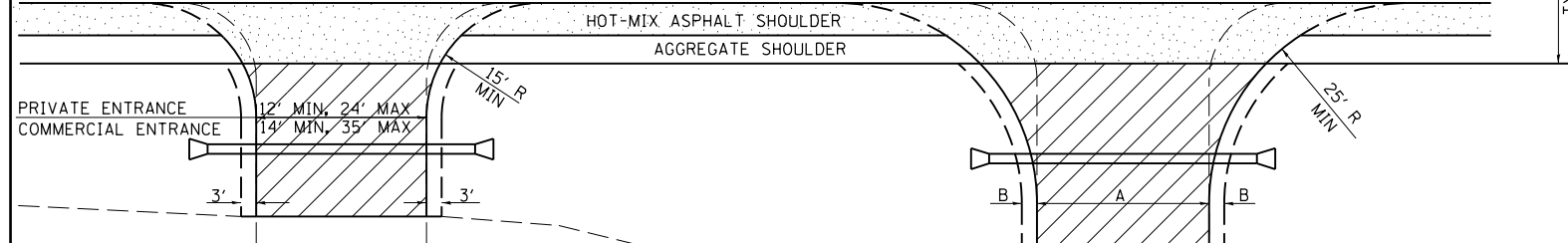
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
909	IR-1,IN-1	Williamson	65	39
CONTRACT NO.			78257	
ILLINOIS FED. AID PROJECT				

RURAL SIDE APPROACH DETAILS

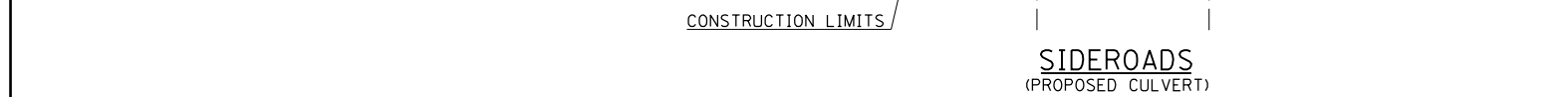
PRIVATE AND COMMERCIAL ENTRANCES



SIDEROADS



PRIVATE AND COMMERCIAL ENTRANCES (PROPOSED CULVERT)



SIDEROAD DIMENSIONS (MIN.)

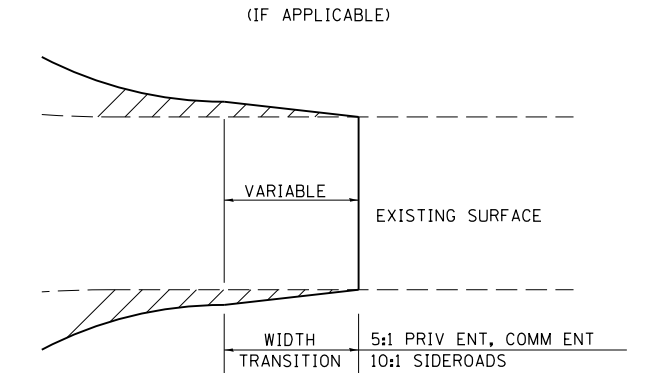
ADT	A (FT)	B (FT)
0 TO 250	18'	2'
250 TO 400	20'	2'
GREATER THAN 400	22'	4'

FIELD ENTRANCE TREATMENT

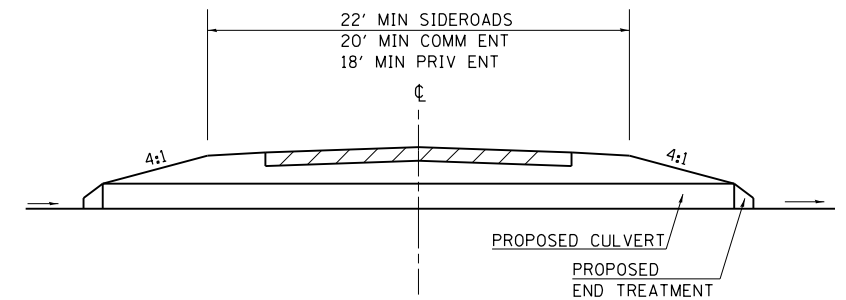
CONSTRUCT MAINLINE HOT-MIX ASPHALT AND AGGREGATE SHOULDERS THROUGH FIELD ENTRANCES.

IF A PIPE IS REQUIRED, PROVIDE A 22' WIDE EARTH EMBANKMENT WITH 15' RADII AT THE INTERSECTION.

WIDTH TRANSITION DETAIL TO EXISTING



DETAIL FOR CALCULATING CULVERT LENGTH



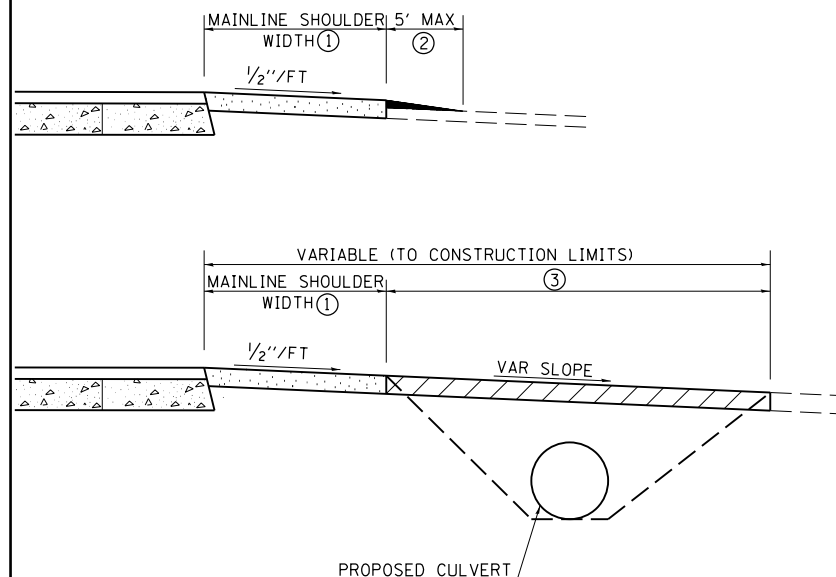
LEGEND

- CONSTRUCT HOT-MIX ASPHALT SHOULDER "FULL SHOULDER WIDTH" THROUGH ENTRANCE/INTERSECTION UNLESS OTHERWISE SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
- IF REQUIRED, AGGREGATE TAPER FOR EXISTING GRAVEL SURFACE; HOT-MIX ASPHALT TAPER FOR EXISTING HIGHER TYPE SURFACES.
- 6" AGGREGATE SURFACE COURSE FOR EXISTING GRAVEL SURFACE; 2" HOT-MIX ASPHALT RESURFACING ON 4" AGGREGATE BASE COURSE FOR EXISTING HOT-MIX ASPHALT SURFACE; PCC DRIVEWAY PAVEMENT (6" - PE; 7" - CE) FOR EXISTING CONCRETE SURFACE.
- 3" MINIMUM HOT-MIX ASPHALT RESURFACING ON 8" MINIMUM AGGREGATE BASE COURSE FOR EXISTING GRAVEL SURFACE OR OIL & CHIP SURFACE; MATCH EXISTING FOR EXISTING HIGHER TYPE SURFACES.

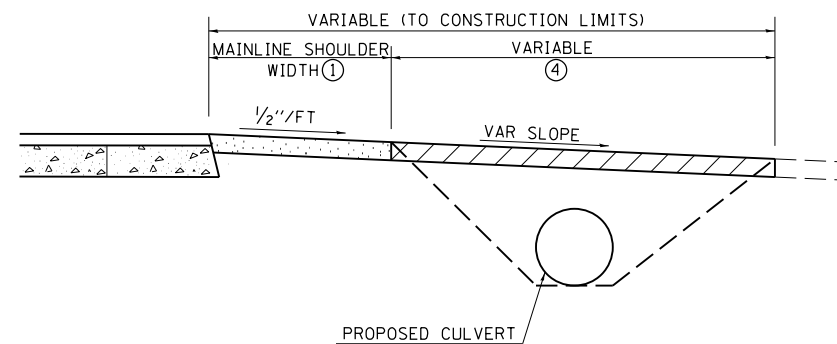
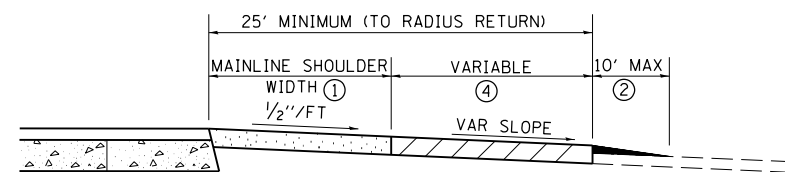
GENERAL NOTES

- ENTRANCE LOCATIONS ARE TO COMPLY WITH IDOT'S POLICY "ACCESS TO STATE HIGHWAYS".
- IN GENERAL, RELOCATED PRIVATE ENTRANCES ARE TO HAVE A 16' WIDE SURFACE WITH 3' WIDE SHOULDERS (22' WIDE EMBANKMENT).
- SEE PLANS FOR PROPOSED PROFILE GRADES AT ENTRANCES/SIDEROADS. THE DESIRABLE MAXIMUM PROFILE GRADE FOR ENTRANCES ARE 12% FOR PE; 10% FOR CE.
- ENTRANCE PIPE CULVERTS ARE TO BE A MINIMUM 15" DIAMETER AND NORMALLY REPLACED IN KIND; SIDEROAD PIPE CULVERTS ARE GENERALLY TO BE CONCRETE (18" MINIMUM DIAMETER).
- THE INTERSECTION RADII OF SIDEROADS CONSTRUCTED TO FULL POLICY STANDARDS SHOULD COMPLY WITH THAT NOTED IN THE BUREAU OF LOCAL ROADS ADMINISTRATIVE POLICIES MANUAL (5-8-13).

PRIVATE AND COMMERCIAL ENTRANCES

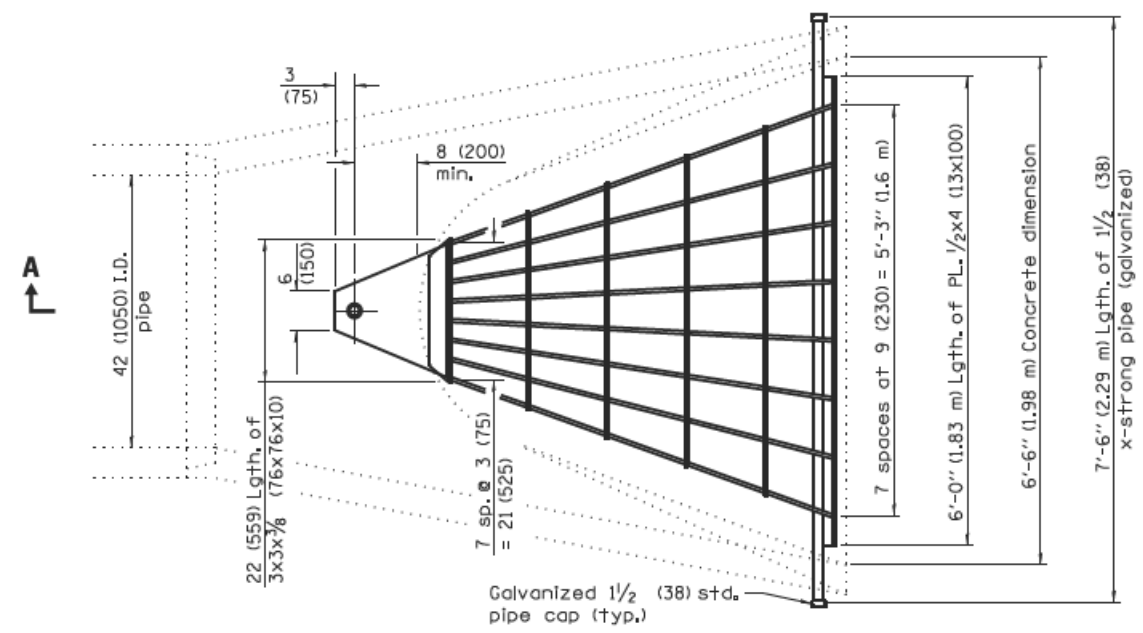


SIDEROADS

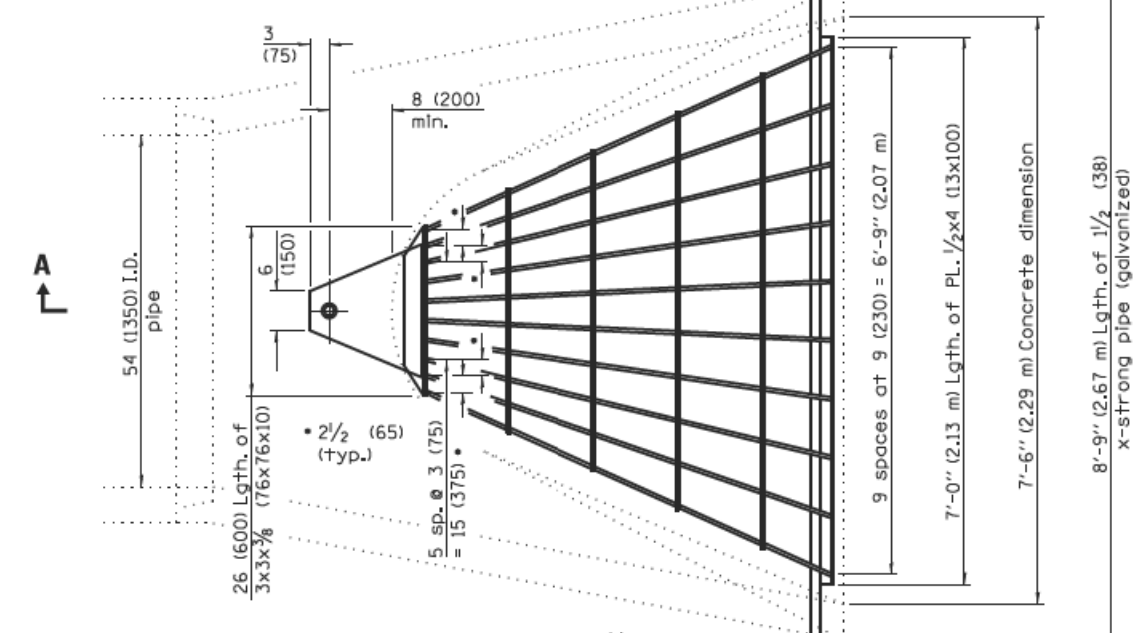


REVISIONS	
DRAWN	3-15-91
REVISED	10-02-91
REVISED	5-15-92
REVISED	1-20-00
REVISED	01-11-07
RESIZED	5-7-08

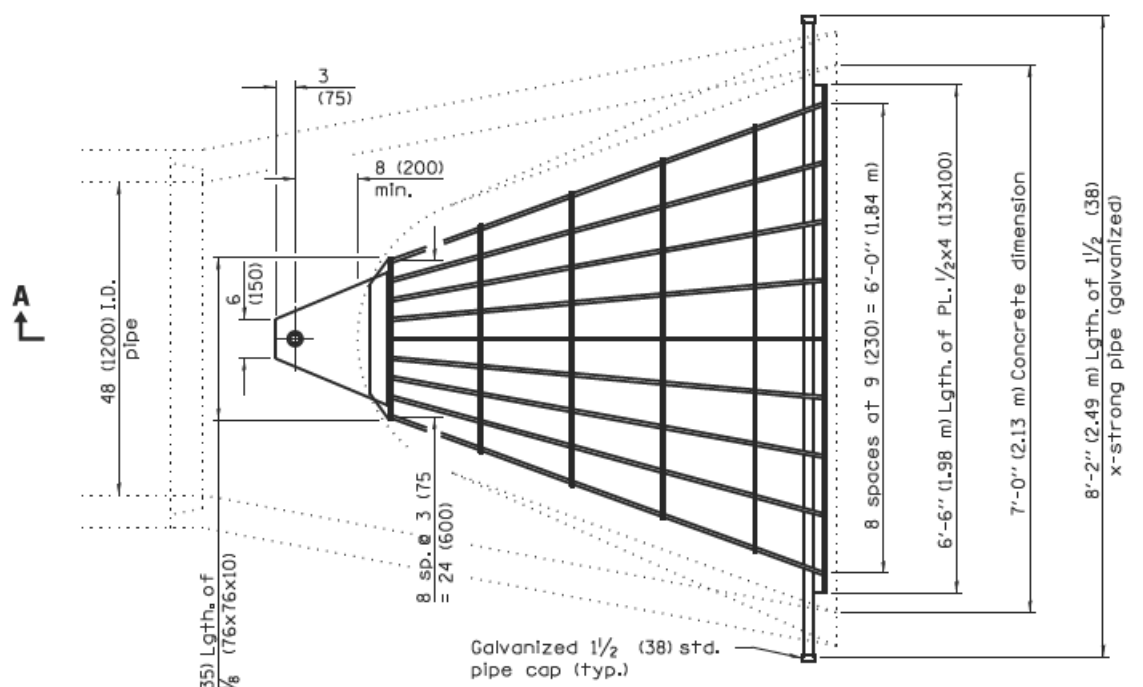
STD. 9-83



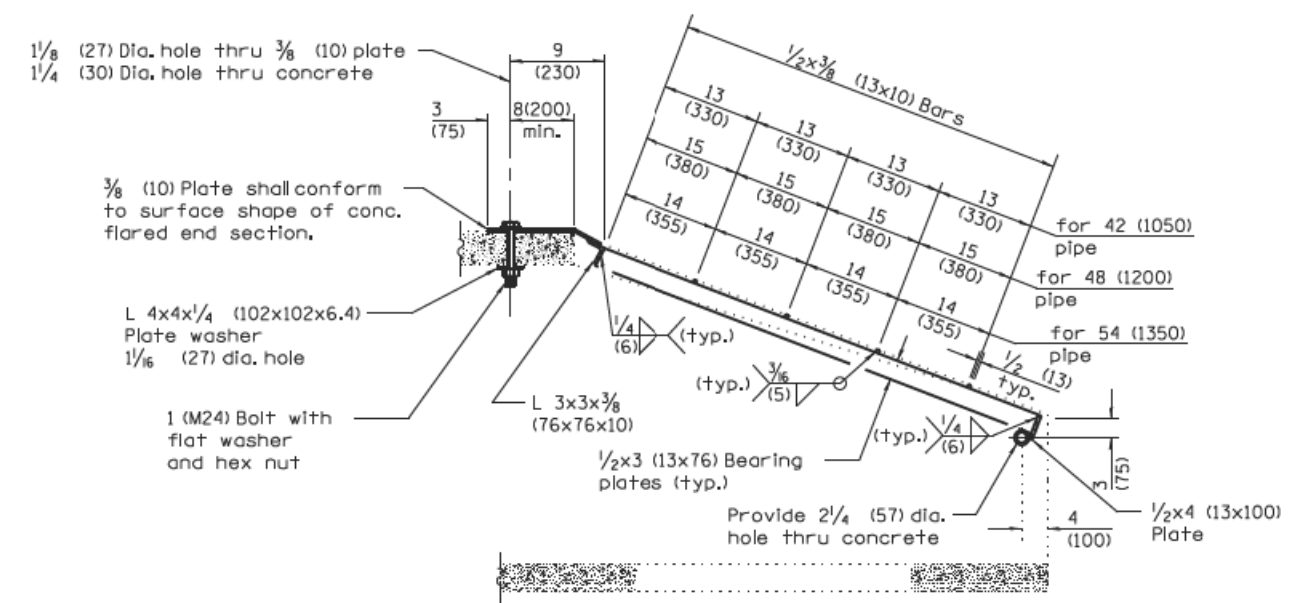
PLAN
Quantity of steel = 320 lbs. (145 kg)



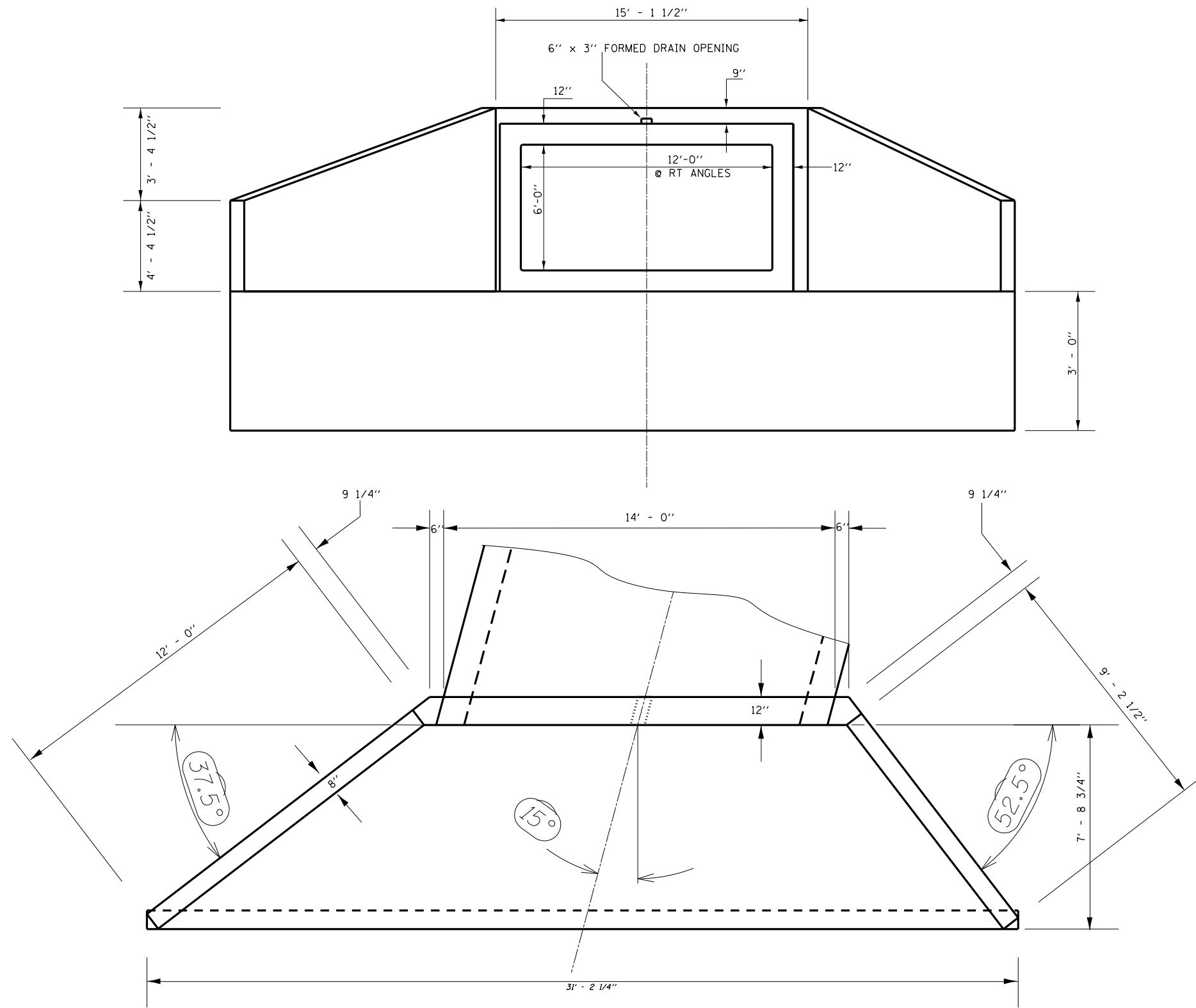
PLAN
Quantity of steel = 425 lbs. (193 kg)



PLAN
Quantity of steel = 400 lbs. (181 kg)



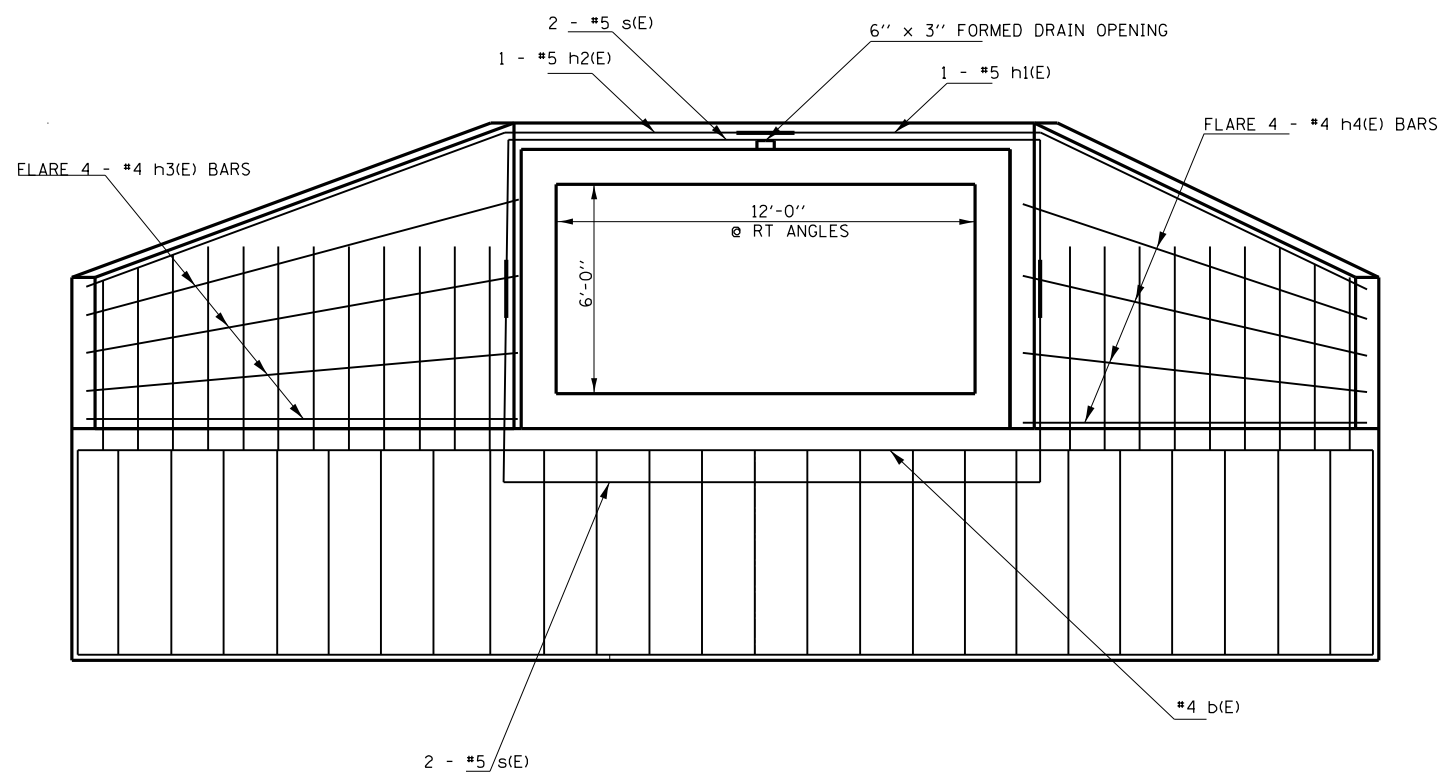
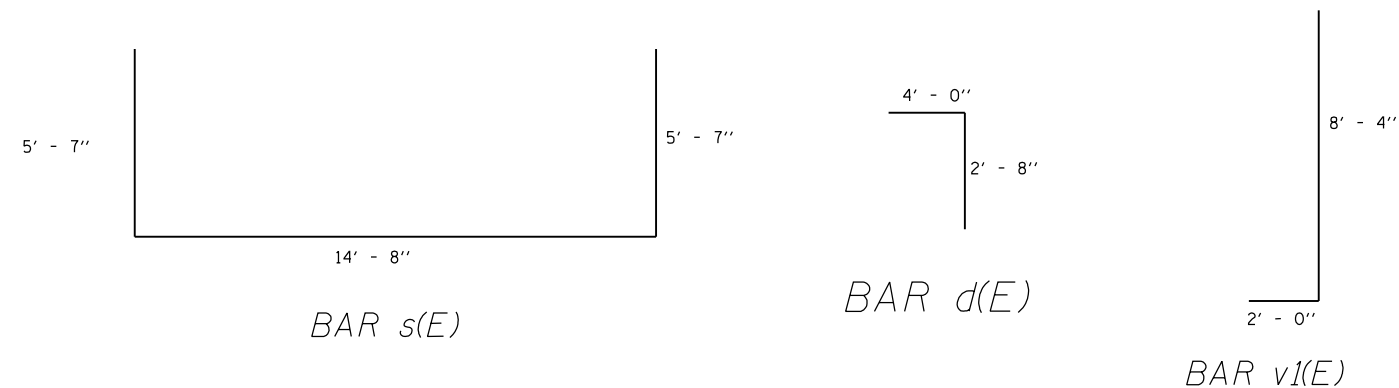
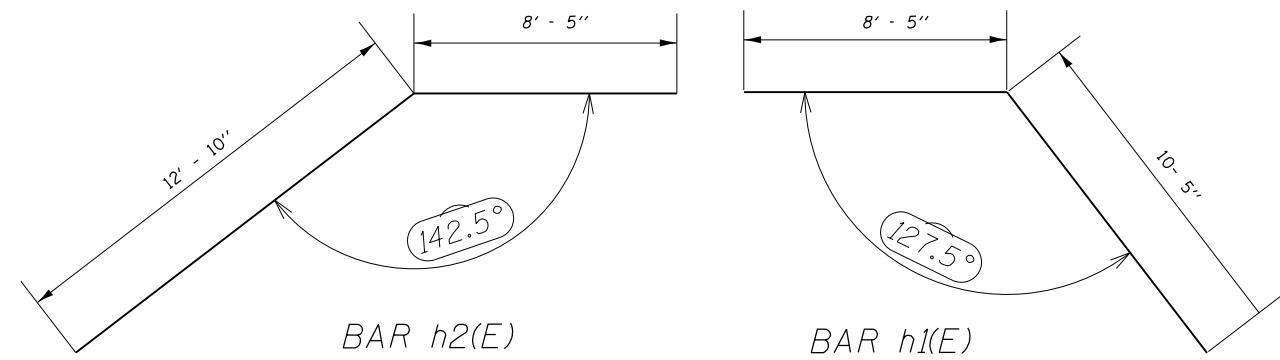
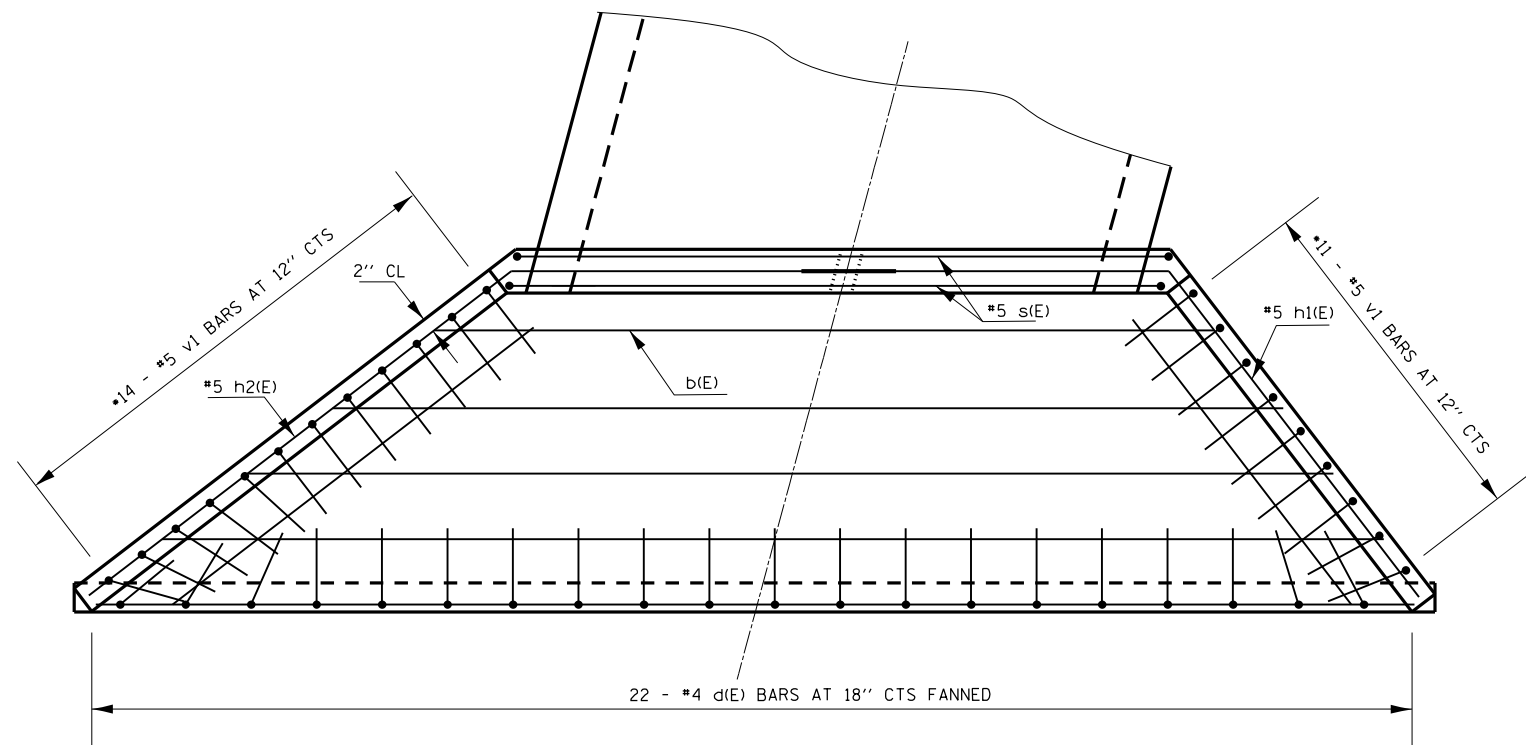
SECTION A-A



CONCRETE WINGWALL AND APRON DETAILS

(TYPICAL EACH END)

FILE NAME =	USER NAME = colemm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BOX CULVERT DETAILS SN 100-7129 (P)			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\11084EBIDINTEG.illinois.gov\PIDOT\Documents\IDOT Offices\District 9\Projects\78257\Drawings\CADsheets\78257-sht-boxculvert	DRAWN -	REVISOR -	REVISOR -					909	IR-1,IN-1	Williamson	65	42
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISOR -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 78257	
	PLOT DATE = 1/29/2016	DATE -	REVISOR -								ILLINOIS FED. AID PROJECT	



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
b(E)	14	#5	31' - 2"	—
d(E)	44	#4	6' - 8"	└
h1(E)	2	#5	18' - 10"	↘
h2(E)	2	#5	21' - 3"	↗
h3(E)	8	#4	12' - 10"	—
h4(E)	8	#4	10' - 4"	—
s(E)	8	#5	25' - 10"	┌
v1(E)	50	#5	10' - 4"	└
CONCRETE BOX CULVERTS			CU. YD.	25.1
REINFORCEMENT BARS EPOXY COATED			POUND	3230

DESIGN STRESSES

fy = 60,000 psi
f'c = 3,500 psi

MINIMUM BAR LAP

- #4 = 1' - 8"
- #5 = 2' - 2"
- CUT OR BEND TO FIT IN FIELD
- LAP BARS WHERE NECESSARY

NOTE: BILL OF MATERIAL SCHEDULE IS TOTAL FOR BOTH ENDS (2 APRONS)

EXPOSED EDGES SHALL BE BEVELED 3/4"

REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.

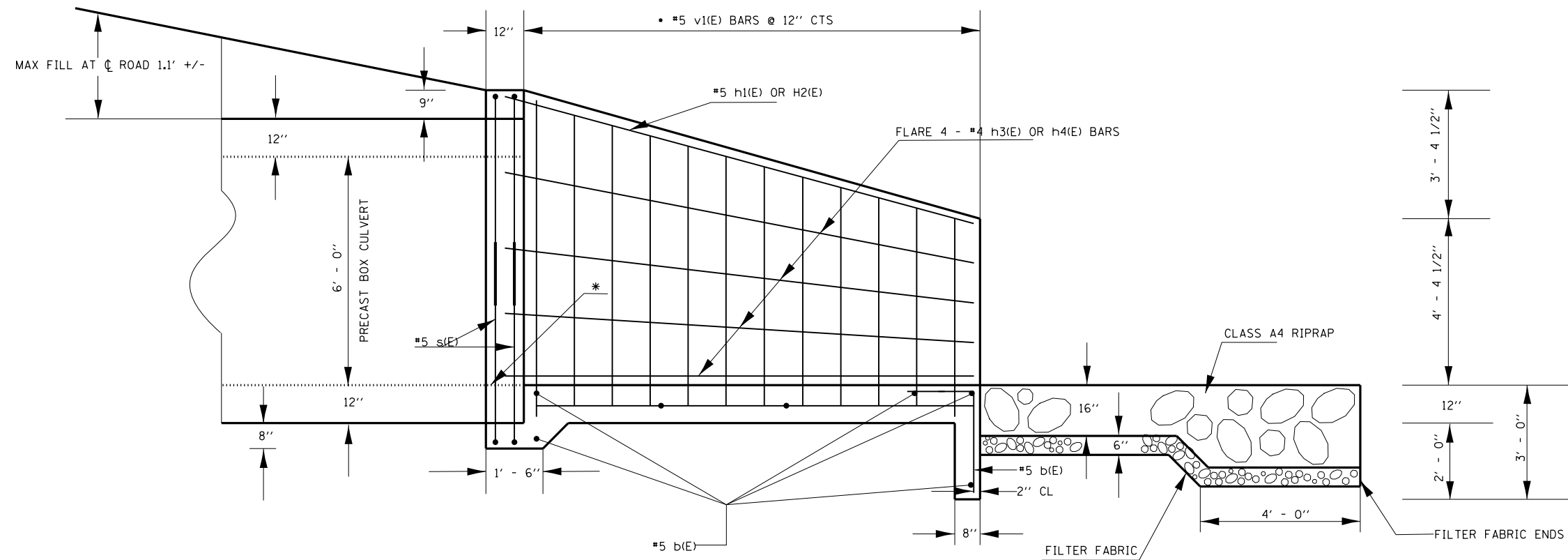
REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A 706 GRADE 60

CONCRETE WINGWALL AND APRON DETAILS

(TYPICAL EACH END)

FILE NAME =	USER NAME = colemm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BOX CULVERT DETAILS SN 100-7129 (P)	F.A.S. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\11\084EBIDINTEG.illinois.gov\PIDOT\Documents\DOT Offices\District 9\Projects\78257\Drawings\CAD\Sheets\78257-sht-boxculvert.dwg	DRWN -	CHECKED -	REVISED -			909	IR-1,IN-1	Williamson	65	43
Default	PLOT SCALE = 100.0000' / in.	DATE -	REVISED -			SCALE: SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 78257		

* SEE PLAN AND PROFILE SHEET FOR INVERT ELEVATIONS



HALF SIDE ELEVATION

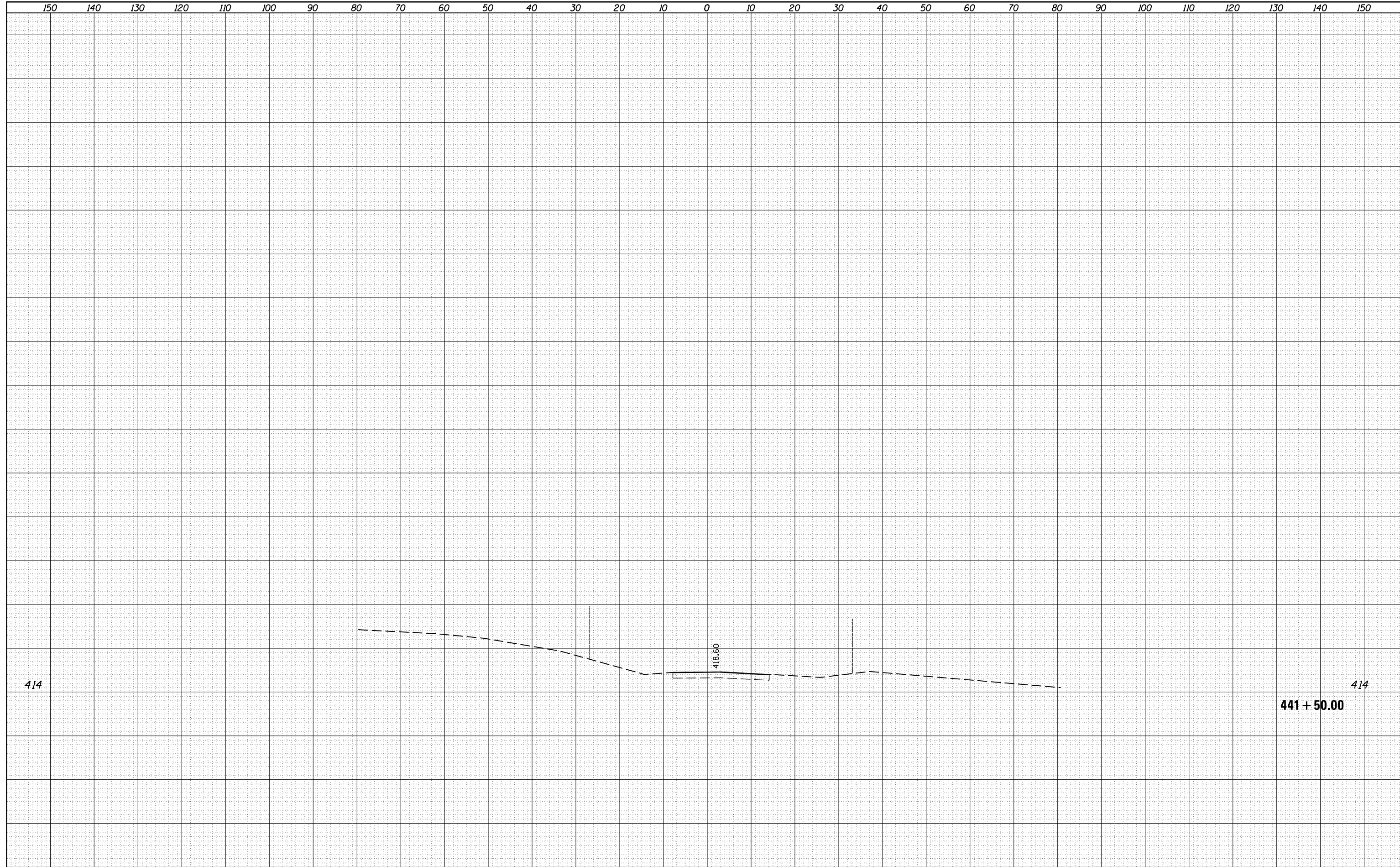
(TYPICAL EACH END)

FILE NAME =	USER NAME = colemm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BOX CULVERT DETAILS SN 100-7129 (P)				F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 78257				ILLINOIS FED. AID PROJECT				
	PLOT DATE = 1/29/2016	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.		

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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

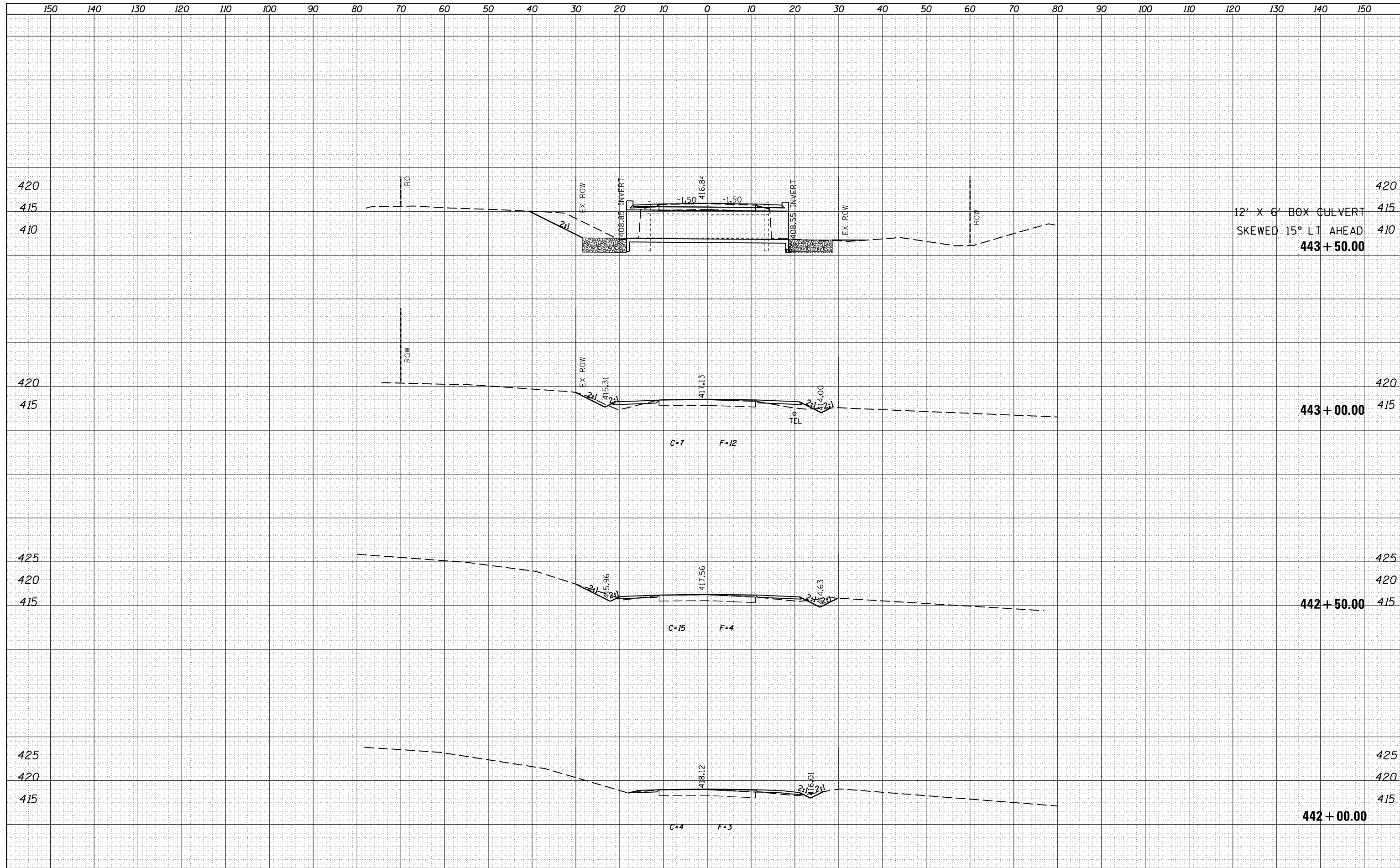
BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



FILE NAME =	USER NAME = colemm	DESIGNED -	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p>	<p align="center">CROSS SECTION SHEETS OLD IL 13</p>				F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBIDINTEG.illinois.gov\PIDOT\Documents\IDOT Offices\District 9\Projects\78257\CADD\Drawings\Drawings\78257-sht-xs-old13.dgn	DRAWN	REVISED -	REVISED -						909	IR-1,IN-1	Williamson	65	45
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -	REVISED -						CONTRACT NO. 78257				
PLOT DATE = 1/29/2016	DATE -	REVISED -	REVISED -						SCALE:	SHEET	OF	SHEETS	STA.

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

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



12' X 6' BOX CULVERT
SKEWED 15° LT AHEAD
443 + 50.00

443 + 00.00

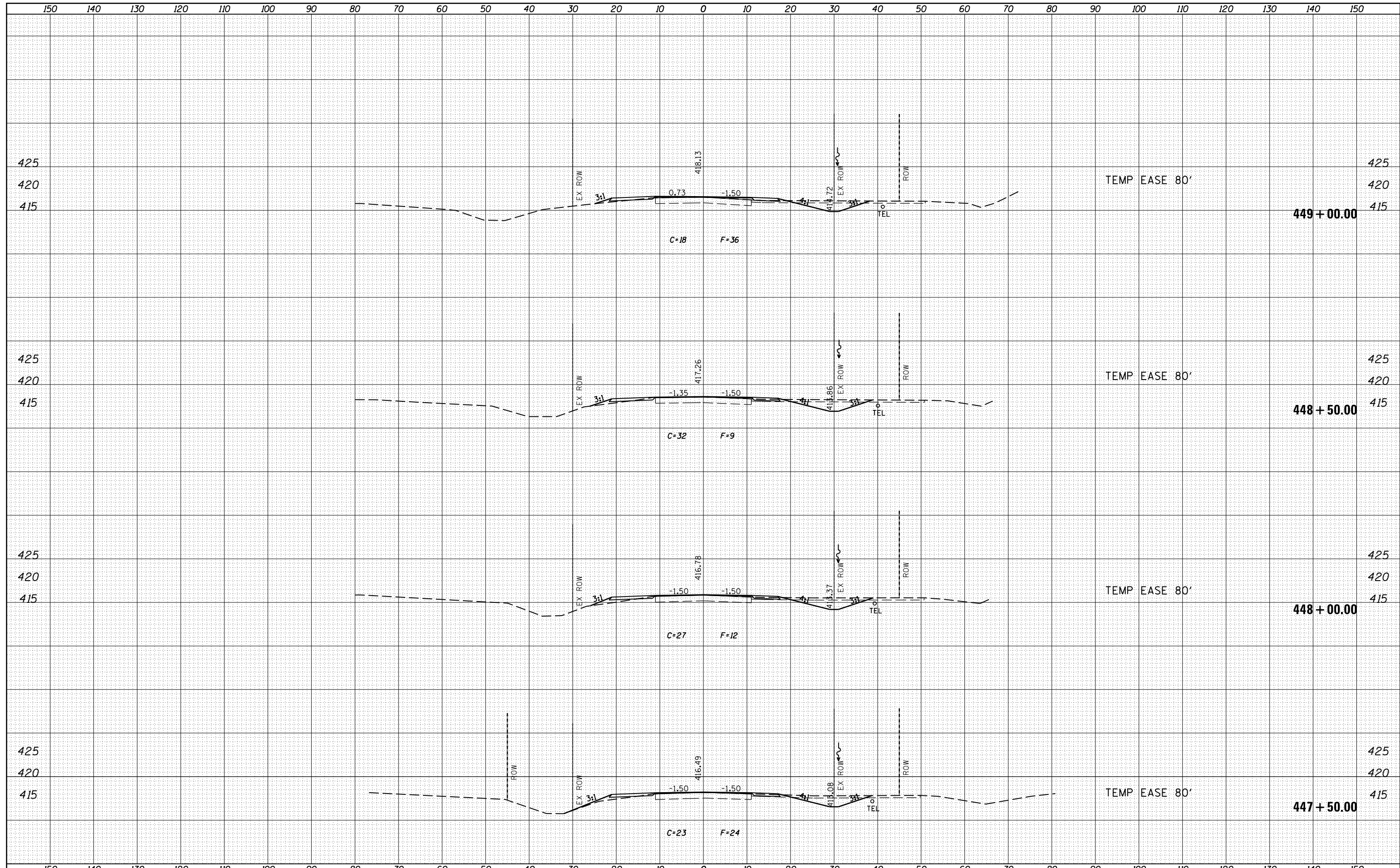
442 + 50.00

442 + 00.00

FILE NAME =	USER NAME = colemm	DESIGNED -	REVISIED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">CROSS SECTION SHEETS OLD IL 13</p> <p>SCALE: SHEET OF SHEETS STA. 442+00.00 TO STA. 443+50.00</p>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 20.0000' / in.	CHECKED -	REVISIED -	REVISIED -		CONTRACT NO. 78257				
PLOT DATE = 1/29/2016	DATE -	REVISIED -	REVISIED -		ILLINOIS FED. AID PROJECT				

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

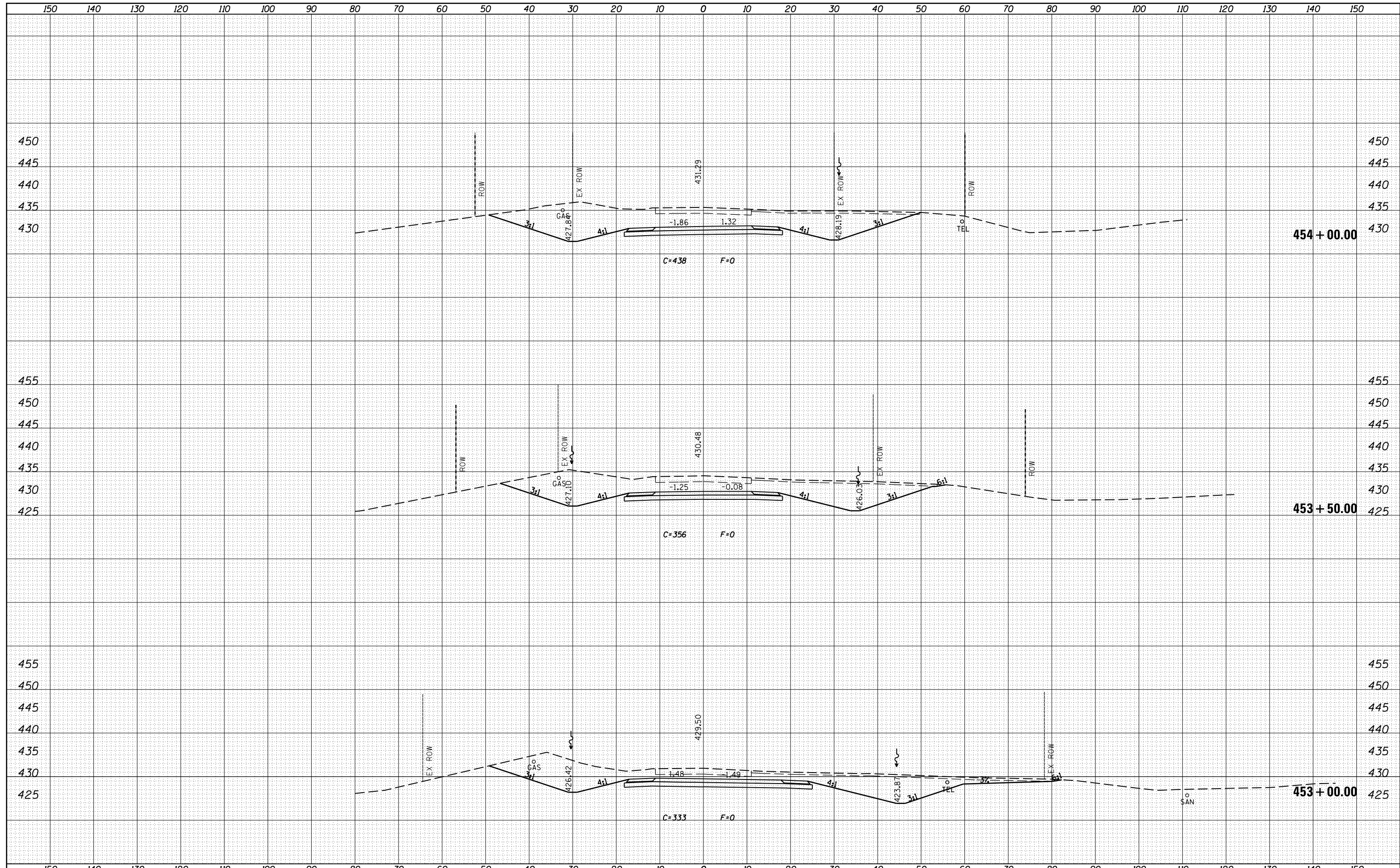
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED



FILE NAME =	USER NAME = colemm	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTION SHEETS OLD IL 13			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 1/29/2016	DATE -	REVISIED -	REVISIED -					ILLINOIS FED. AID PROJECT				
				SCALE:				SHEET	OF	SHEETS	STA. 447+50.00	TO STA. 449+00.00

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

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

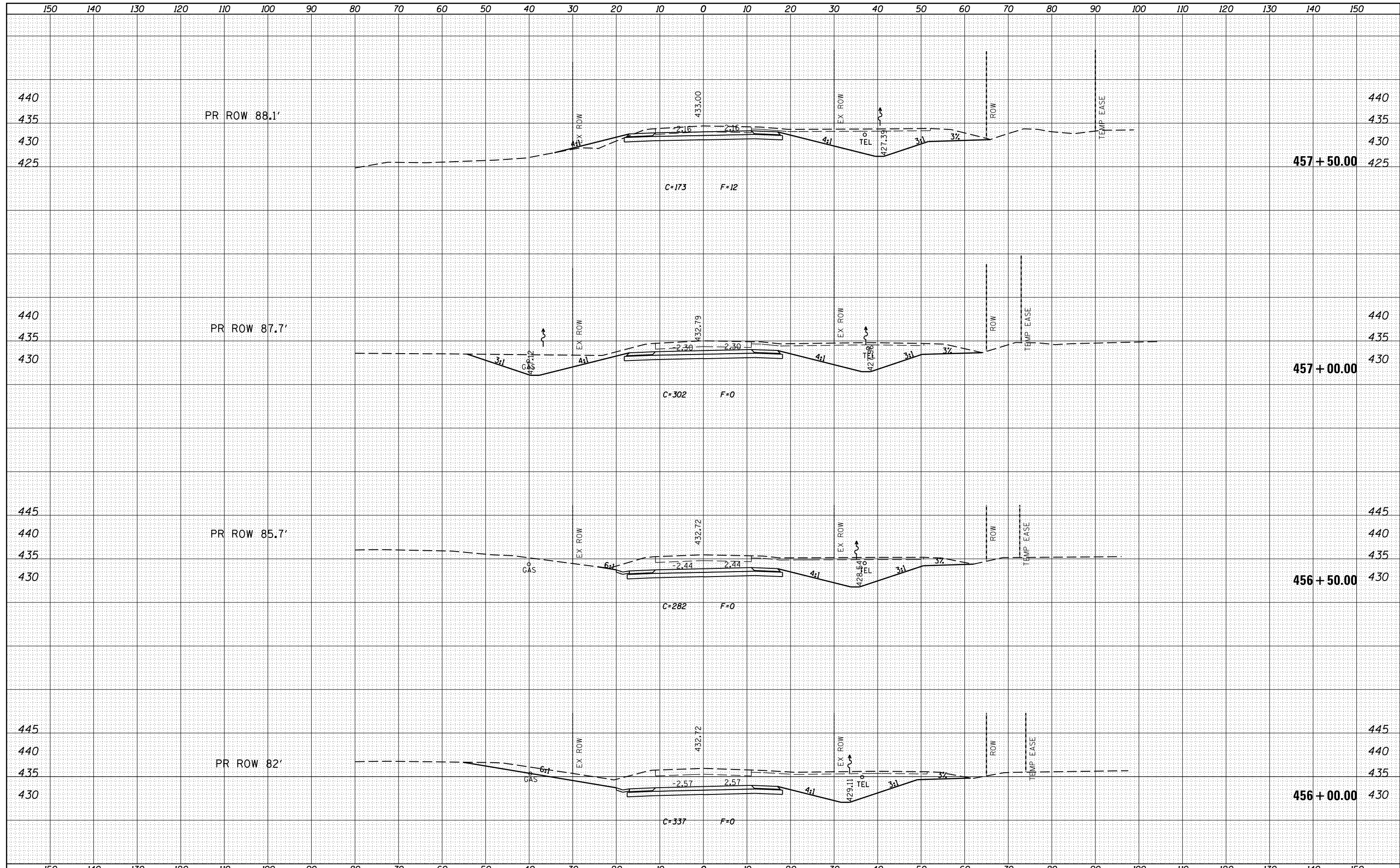


FILE NAME =	USER NAME = colemm	DESIGNED -	REVISIED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">CROSS SECTION SHEETS OLD IL 13</p>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 20.0000' / in.		CHECKED -	REVISIED -		CONTRACT NO. 78257				
PLOT DATE = 1/29/2016		DATE -	REVISIED -		ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. 453+00.00 TO STA. 454+00.00

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

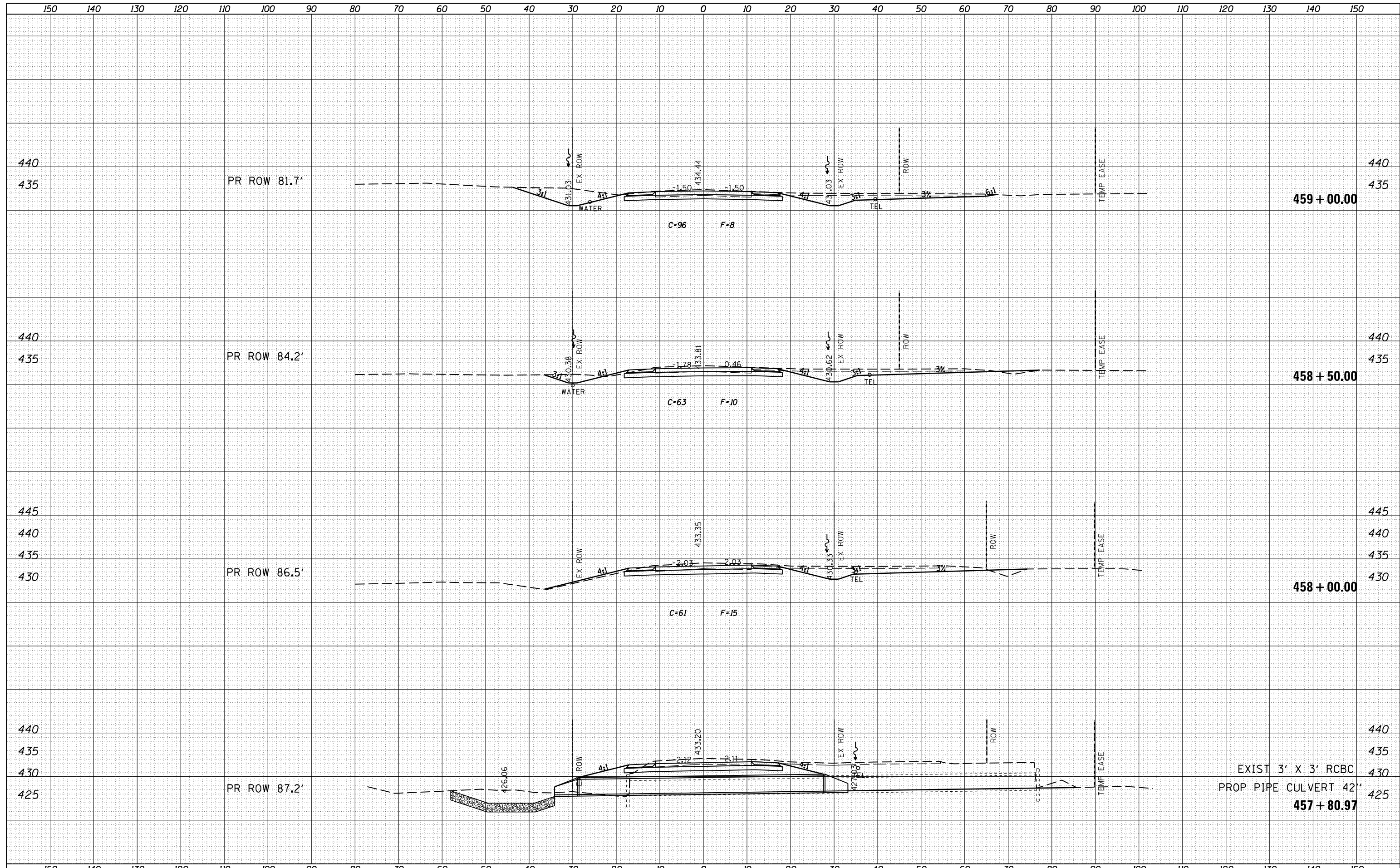
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BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	



FILE NAME =	USER NAME = colemm	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTION SHEETS OLD IL 13			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 20.0000' / in.	CHECKED -	REVISIED -	REVISIED -					CONTRACT NO. 78257				
PLOT DATE = 1/29/2016	DATE -	REVISIED -	REVISIED -					ILLINOIS FED. AID PROJECT				

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

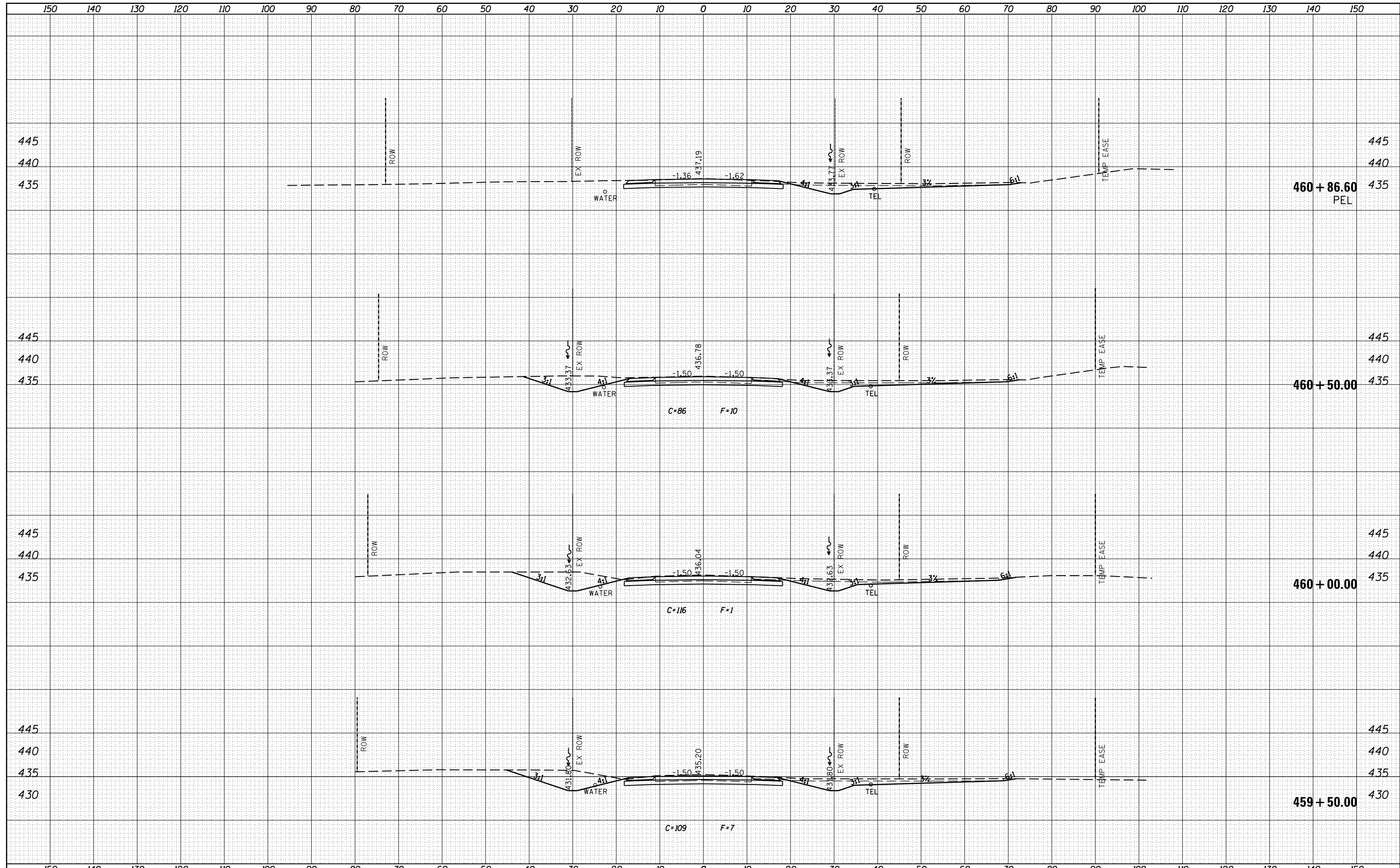
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



FILE NAME =	USER NAME = colemm	DESIGNED -	REVISIED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">CROSS SECTION SHEETS OLD IL 13</p> <p>SCALE: SHEET OF SHEETS STA. 457+80.97 TO STA. 459+00.00</p>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11084EBIDINTEG\Illinois.gov\PIDOT\Documents\IDOT Offices\District 9\Projects\78257\CADD\Drawings\78257-sht-xs-old13.dgn	DRAWN	REVISIED -	REVISIED -		909	IR-1,IN-1	Williamson	65	55
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISIED -	REVISIED -		CONTRACT NO. 78257				
PLOT DATE = 1/29/2016	DATE -	REVISIED -	REVISIED -		ILLINOIS FED. AID PROJECT				

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
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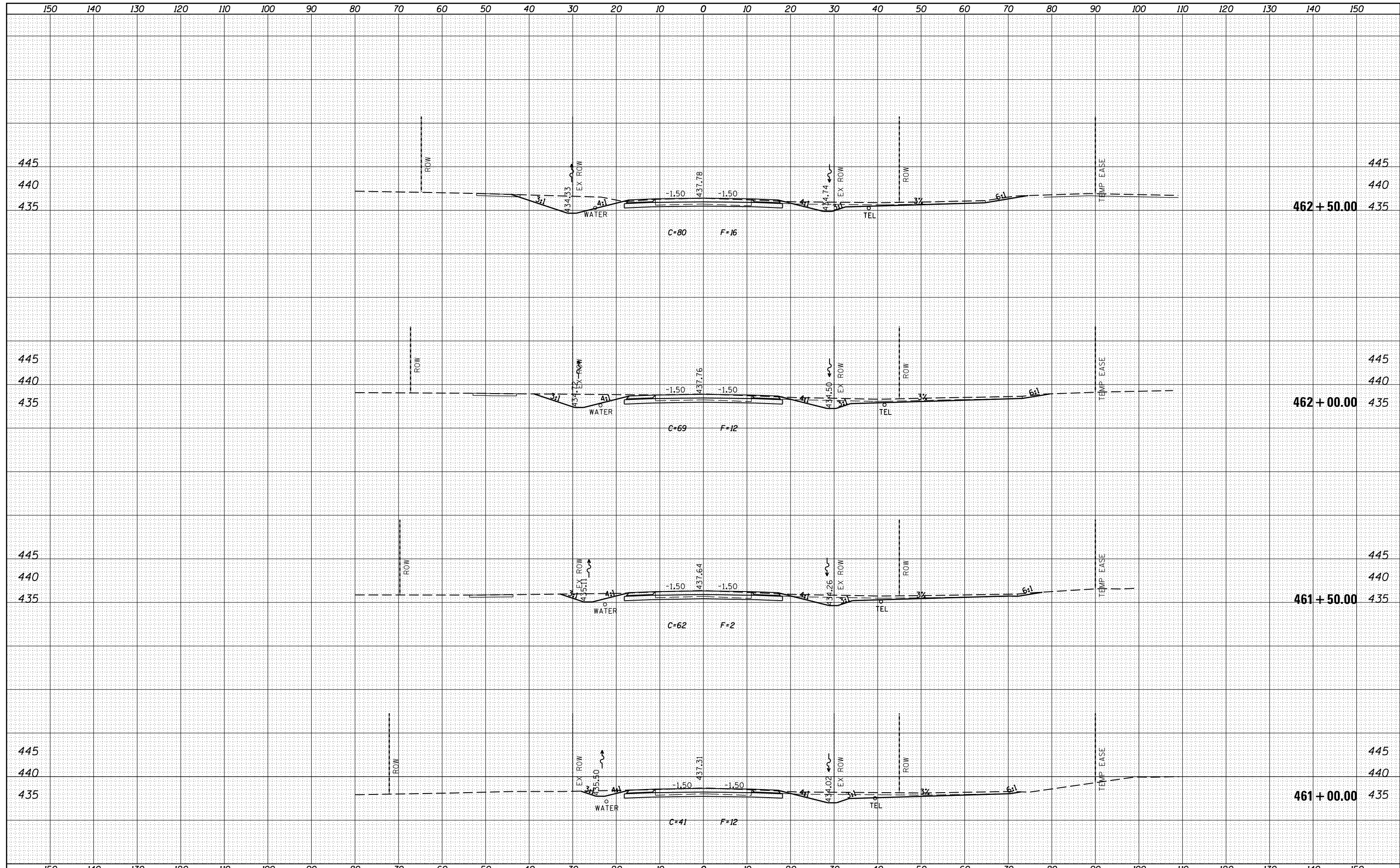
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FILE NAME =	USER NAME = colemm	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTION SHEETS OLD IL 13				F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 20.0000' / in.	CHECKED -	REVISIED -	REVISIED -		CONTRACT NO. 78257								
PLOT DATE = 1/29/2016	DATE -	REVISIED -	REVISIED -		ILLINOIS FED. AID PROJECT								

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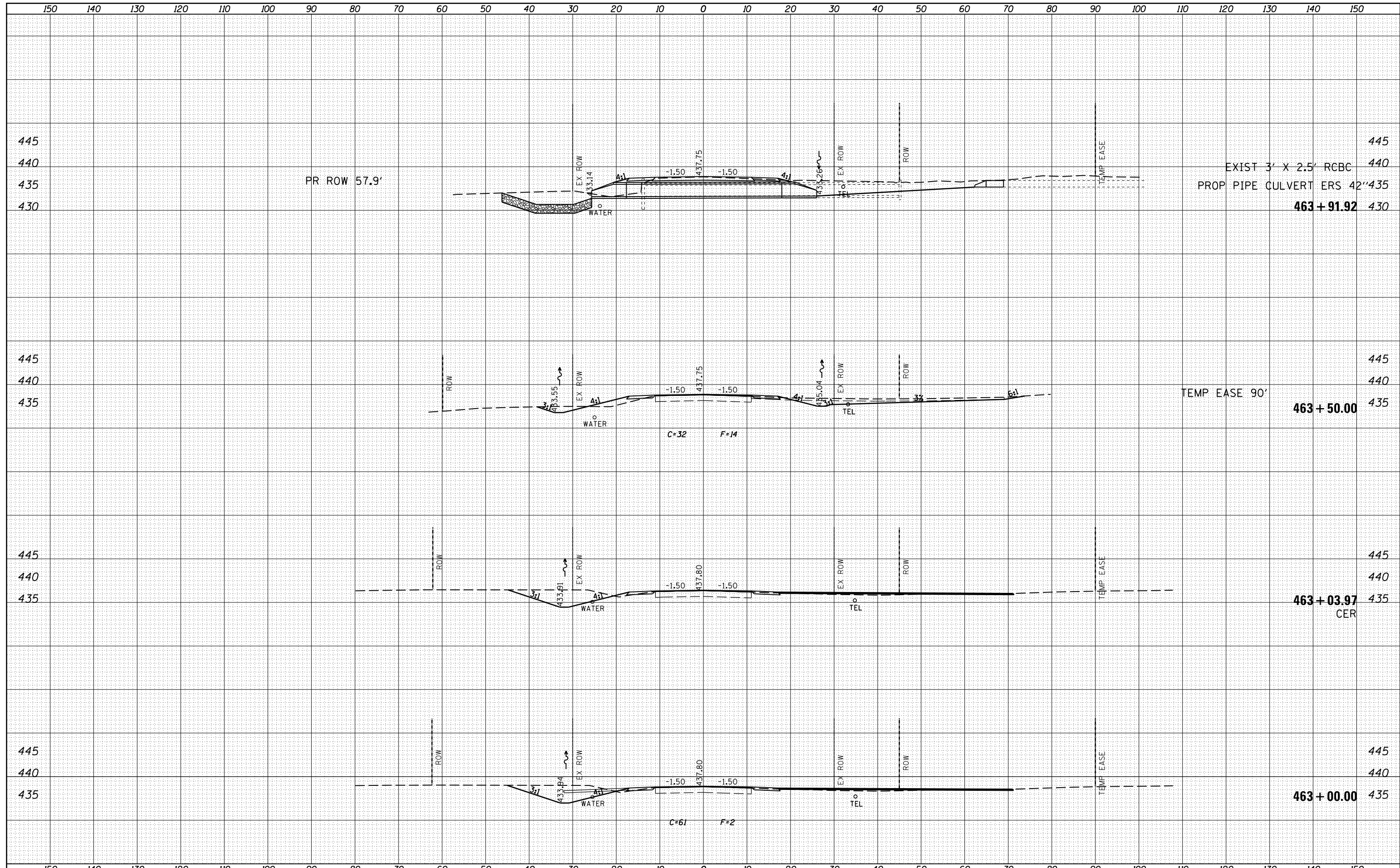
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FILE NAME =	USER NAME = colemm	DESIGNED -	REVISIED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">CROSS SECTION SHEETS OLD IL 13</p> <p>SCALE: SHEET OF SHEETS STA. 461+00.00 TO STA. 462+50.00</p>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\1\IL084EBIDINTEG\Illinois.gov\PIDOT\Documents\IDOT Offices\District 9\Projects\78257\CADD\Drawings\78257-sht-xs-oldil3.dgn	DRAWN	REVISIED -	REVISIED -		909	IR-1,IN-1	Williamson	65	57
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISIED -	REVISIED -		CONTRACT NO. 78257				
PLOT DATE = 1/29/2016	DATE -	REVISIED -	REVISIED -		ILLINOIS FED. AID PROJECT				

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FINAL SURVEY	
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PLOTTED	
TEMPLATE	
NOTE BOOK	
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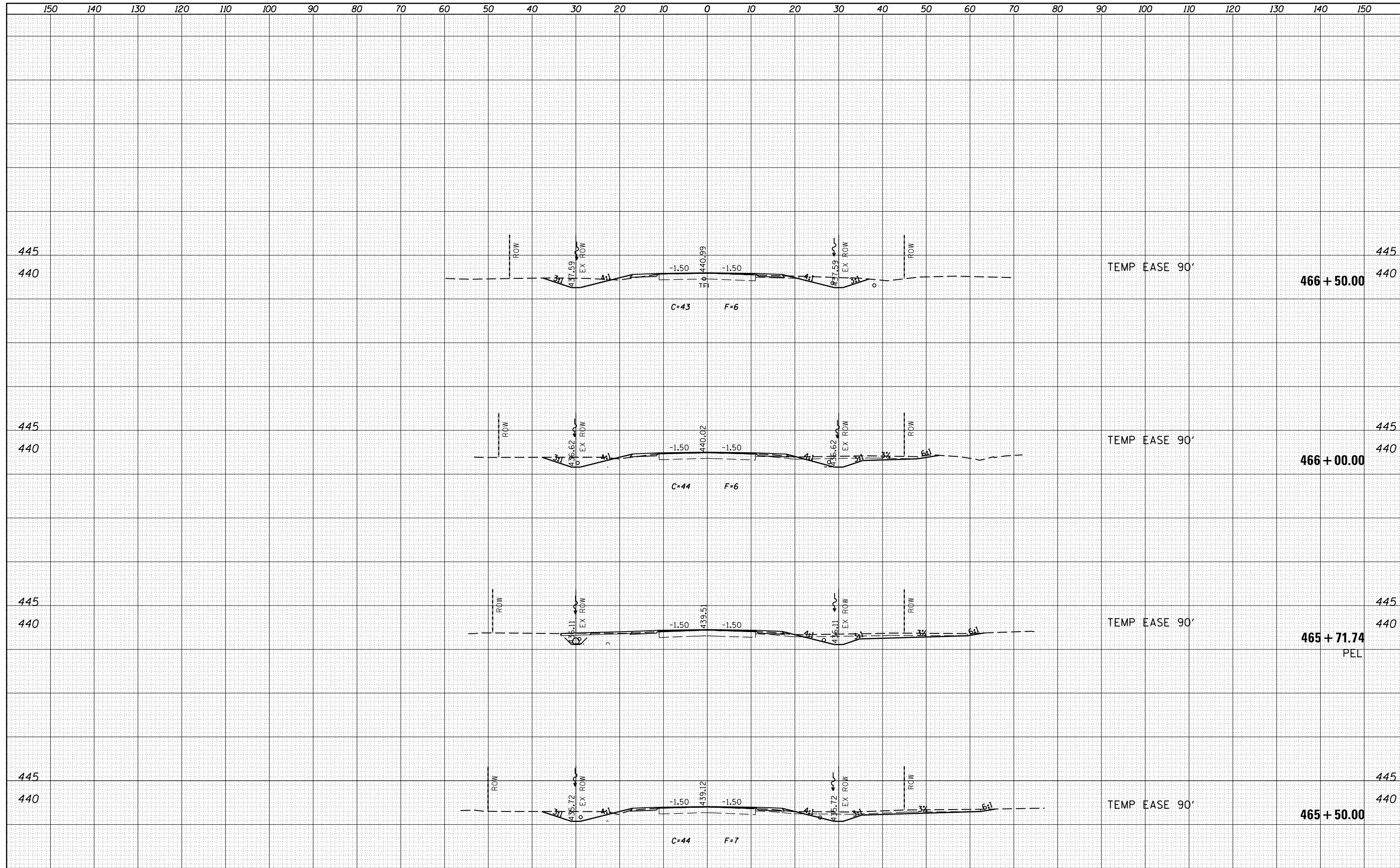
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FILE NAME =	USER NAME = colemm	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTION SHEETS OLD IL 13			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\1\084EBIDINTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 9\Projects\78257\CADD\Drawings\Drawings\78257-sht-xs-oldil3.dgn		REVISIED -	REVISIED -					909	IR-1,IN-1	Williamson	65	58
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISIED -	REVISIED -					CONTRACT NO. 78257				
PLOT DATE = 1/29/2016	DATE -	REVISIED -	REVISIED -					ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET	OF	SHEETS	STA. 463+00.00	TO STA. 463+91.92			

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FINAL SURVEY	
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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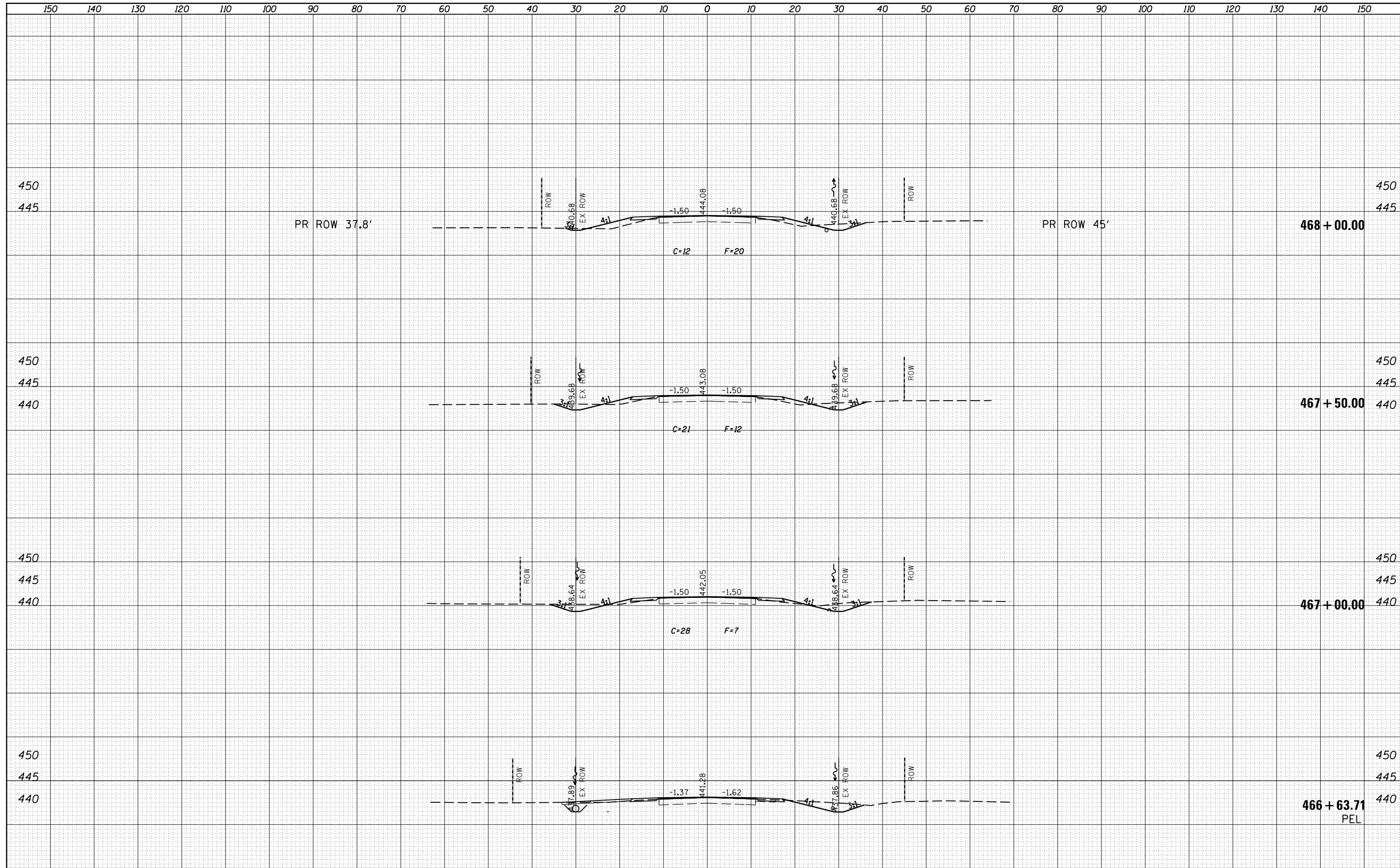
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FILE NAME =	USER NAME = colemm	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTION SHEETS OLD IL 13			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\1\084EBIDINTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 9\Projects\78257\CADD\Drawings\78257-sht-xs-oldil3.dgn	DRAWN	REVISIED -	REVISIED -					909	IR-1,IN-1	Williamson	65	60
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISIED -	REVISIED -					CONTRACT NO. 78257				
PLOT DATE = 1/29/2016	DATE -	REVISIED -	REVISIED -					ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET	OF	SHEETS	STA. 465+50.00	TO	STA. 466+50.00		

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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED

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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED

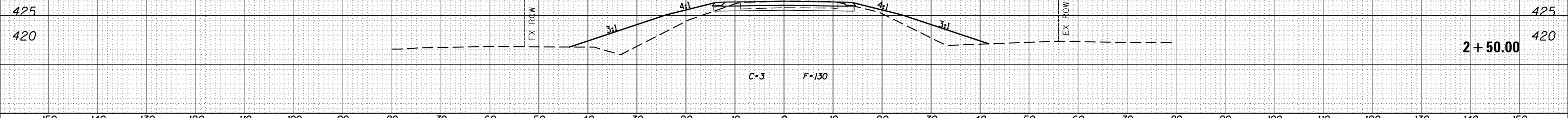


FILE NAME =	USER NAME = colemm	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTION SHEETS OLD IL 13			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLLOT DATE = 1/29/2016	DATE -	REVISIED -	SCALE:		SHEET	OF	SHEETS	STA. 466+63.71	TO STA. 468+00.00	CONTRACT NO. 78257	ILLINOIS FED. AID PROJECT	

150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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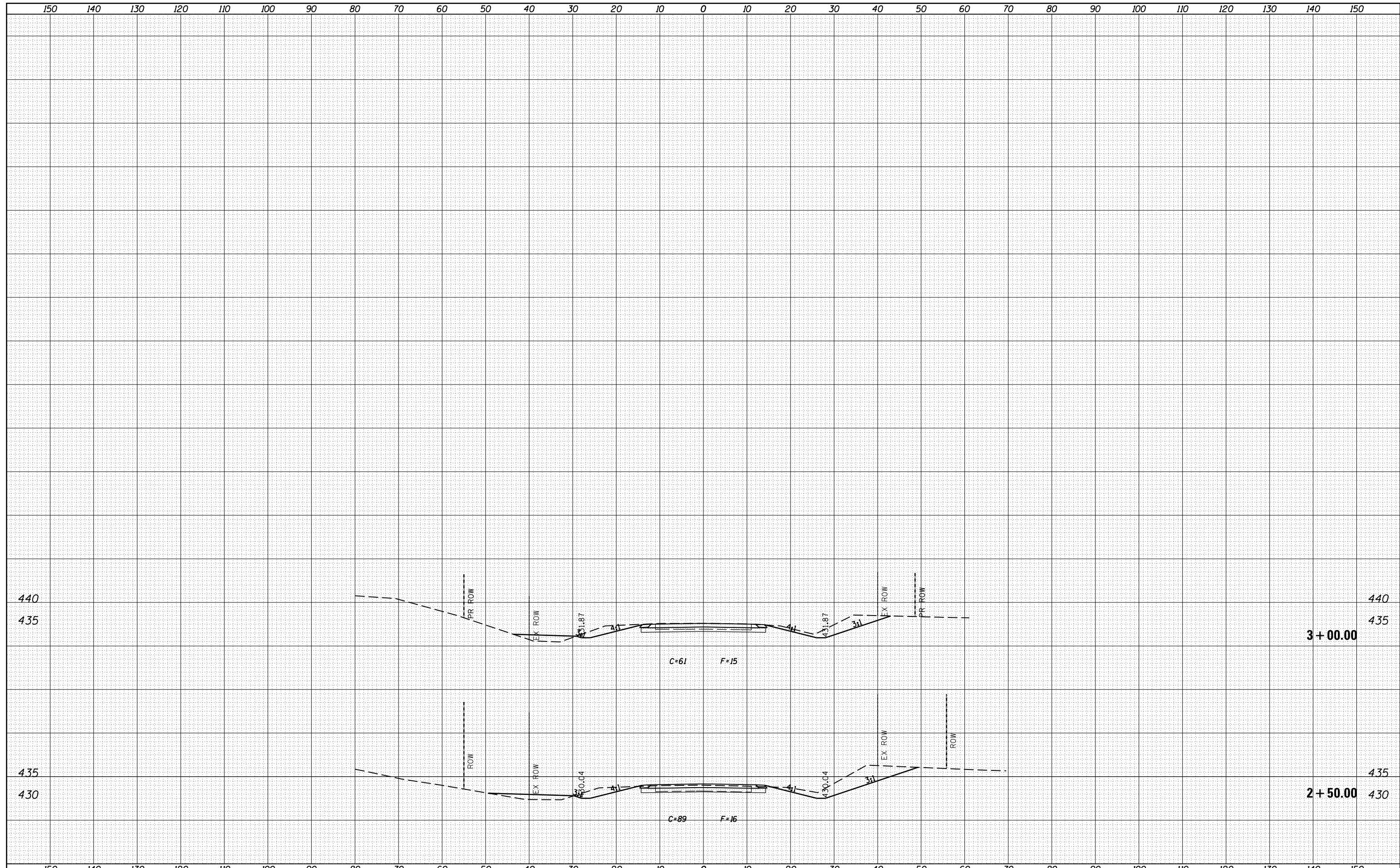


FILE NAME =	USER NAME = colemm	DESIGNED -	REVISIED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">CROSS SECTION SHEETS NORTH WOLF CREEK RD.</p>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\1\084EBIDINTEG.illinois.gov\PIDOT\Documents\NIDOT Offices\District 9\Projects\78257\CADD\Drawings\78257-sht-xs-old13.dgn		REVISIED -	REVISIED -		909	IR-1,IN-1	Williamson	65	63
PLOT SCALE = 20.0000' / in.		CHECKED -	REVISIED -		CONTRACT NO. 78257				
PLOT DATE = 1/29/2016		DATE -	REVISIED -		SCALE:	SHEET	OF	SHEETS	STA. 2+50.00

ILLINOIS FED. AID PROJECT

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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS
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FILE NAME =	USER NAME = colemm	DESIGNED -	REVISIED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">CROSS SECTION SHEETS SOUTH WOLF CREEK RD.</p>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 20.0000' / in.	CHECKED -	REVISIED -	REVISIED -						CONTRACT NO. 78257
PLOT DATE = 1/29/2016	DATE -	REVISIED -	REVISIED -		SCALE:	SHEET	OF	SHEETS	STA. 2+50.00
									ILLINOIS FED. AID PROJECT