

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
328A	3Y	EFFINGHAM	62	1
ILLINOIS			CONTRACT NO. 74723	

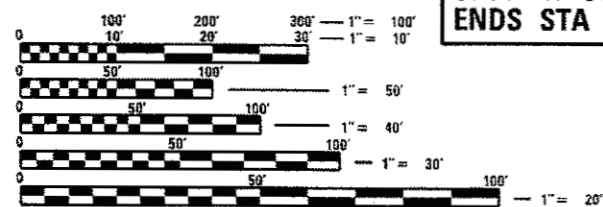
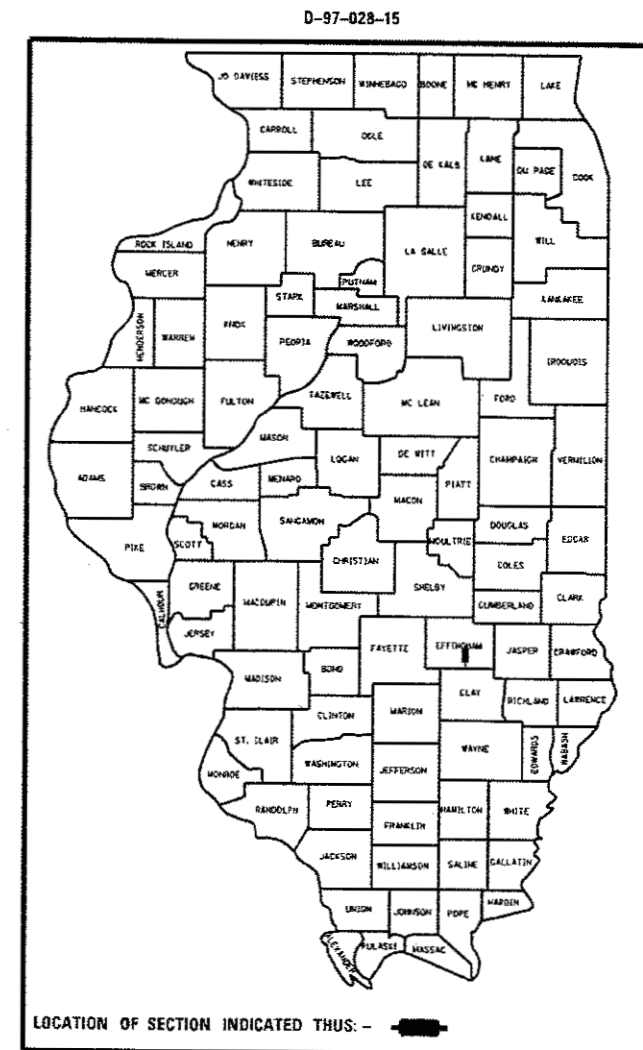
FOR INDEX OF SHEETS, SEE SHEET NO. 2

ADT = 3,650 (2015)

**PROPOSED
HIGHWAY PLANS**

F.A.P. ROUTE 328A (US 45)
SECTION 3Y
PROJECT HSIP-0328(035)
RECONSTRUCTION
EFFINGHAM COUNTY

C-97-074-15

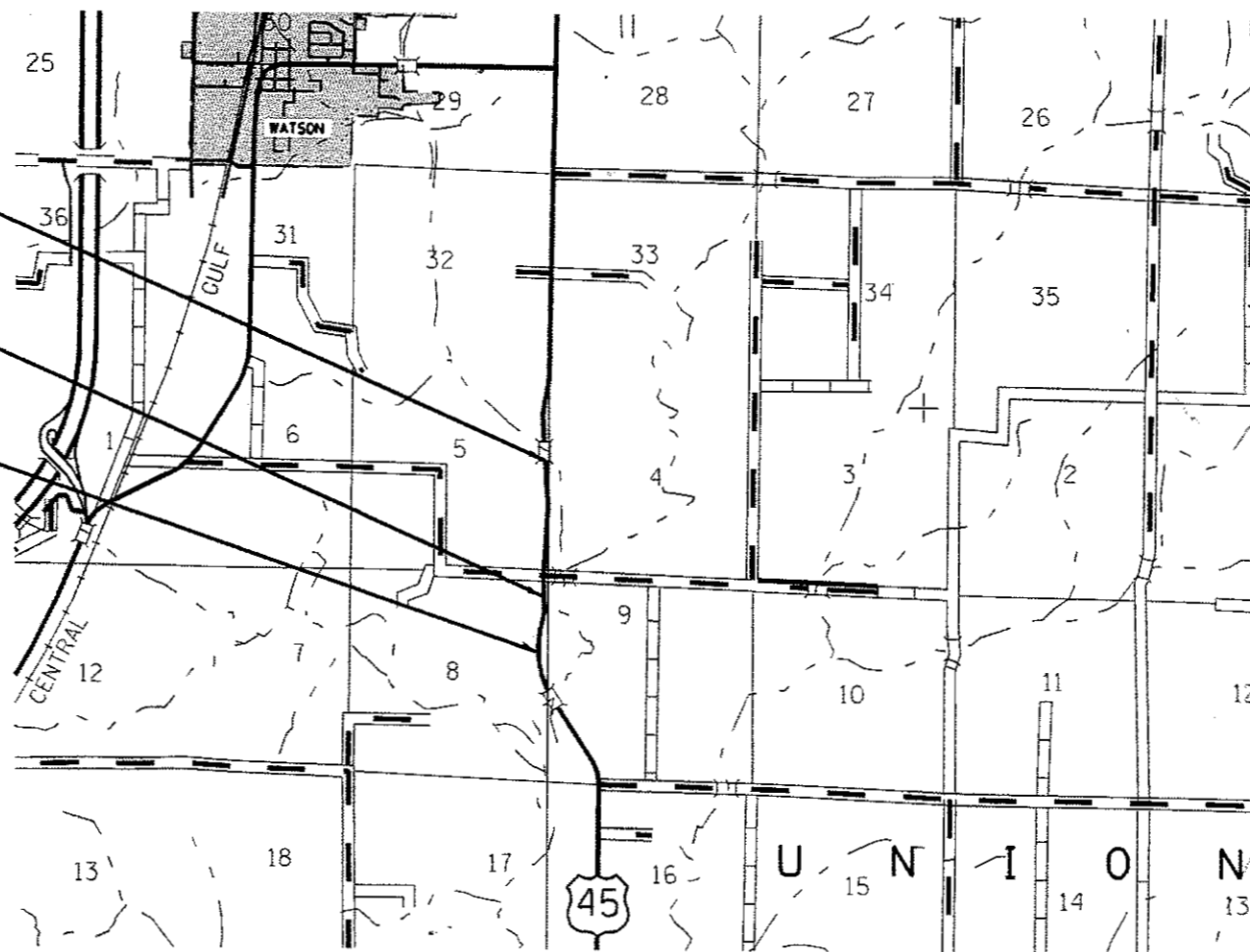


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER MARK DAUGHERTY
PROJECT MANAGER BRIAN LEWIS

CONTRACT NO. 74723



SECTION 3Y
BEGINS STA 440+27

STATION EQUATION:
STA 477+08.35 BK=
STA 477+50.86 AH

SECTION 3Y
ENDS STA 487+00

GROSS LENGTH = 4630 FT. = 0.88 MILE
NET LENGTH = 4630 FT. = 0.88 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED October 17 20 17
Jeffrey M. South 16
REGIONAL ENGINEER

November 30 20 17
Maureen M. Addis PE
ENGINEER OF DESIGN AND ENVIRONMENT

November 30 20 17
DIRECTOR OF PROGRAM DEVELOPMENT 2

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

GENERAL NOTES

THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS, THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED APRIL 1, 2016; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" INDICATED ON THE CHECK SHEET, AND THE SPECIAL PROVISIONS INCLUDED IN THE PROPOSAL.

THE WORK INCLUDED IN SECTION 3Y CONSISTS OF RECONSTRUCTING APPROXIMATELY 0.9 MILES OF US ROUTE 45 BY MILLING, RESURFACING, HORIZONTAL REALIGNMENT, VERTICAL PROFILE REVISION, EXTENDING BOX CULVERTS, FULL DEPTH HMA AND AGGREGATE SHOULDERS, PAVEMENT REMOVAL, PCC BASE COURSE WIDENING, EARTH EXCAVATION, GUARDRAIL, PCC GUTTER, PAVEMENT MARKINGS AND OTHER WORK NECESSARY TO COMPLETE THIS SECTION.

SHORT TERM PAVEMENT MARKING ON THE MILLED SURFACE SHALL BE PAINT. ALL OTHER SHORT TERM PAVEMENT MARKINGS SHALL BE TAPE.

PAINT PAVEMENT MARKING - LINE 4" CONSISTS OF 3800' YELLOW AND 9100' WHITE.

ALL ELEVATIONS SHOWN IN PLANS ARE BASED ON U.S.G.S. DATUM.

THE LOCATIONS AND/OR DEPTHS OF UNDERGROUND UTILITIES SHOWN HAVE BEEN TAKEN FROM INFORMATION FURNISHED BY THE UTILITY OWNERS AND MUST BE CONSIDERED APPROXIMATE. FIELD MARKINGS OF FACILITIES IN CRITICAL AREAS MAY BE OBTAINED BY PROVIDING A MINIMUM OF 48 HOURS ADVANCE NOTICE THROUGH THE J.U.L.I.E. SYSTEM BY CALLING 800-892-0123.

RIGHT-OF-WAY MARKERS SHALL BE ERECTED WITH THE BACK FACE OF THE MARKER ON THE RIGHT-OF-WAY LINE UNLESS THE NEW RIGHT-OF-WAY LINES HAS BEEN SURVEYED AND PINNED, IN WHICH INSTANCE THE RIGHT-OF-WAY MARKER WILL BE ERECTED 12 INCHES INSIDE THE NEW RIGHT-OF-WAY LINE.

PERMANENT SURVEY MARKERS, TYPE II SHALL BE CAST-IN-PLACE.

CONTACT DISTRICT LANDSCAPE ARCHITECT AT 217-342-8276 TWO WEEKS BEFORE PLANTING TREES.

THE CONTRACTOR SHALL PROVIDE INTERNET ACCESS TO THE BITUMINOUS PLANT QUALITY CONTROL LAB SO THAT BITUMINOUS PLANT REPORTS CAN BE E-MAILED TO THE DISTRICT HEADQUARTERS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICES FOR OTHER ITEMS IN THE CONTRACT.

THE RESIDENT ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE CURING TIME FOR THE HMA SURFACE COURSE.

MATERIAL FOR AGGREGATE WEDGE SHOULDER, TYPE B SHALL BE CRUSHED STONE, CRUSHED CONCRETE OR RAP. MATERIAL FOR AGGREGATE SHOULDERS, TYPE B 8" SHALL BE CRUSHED STONE OR CRUSHED CONCRETE.

IN THE AREA OF SIGNIFICANT PROFILE CHANGE BINDER COURSE SHALL BE CONSTRUCTED IN BOTH LANES AND ON BOTH SHOULDERS EACH DAY. EMBANKMENT SHALL BE CONSTRUCTED UP TO THE ELEVATION OF THE TOP OF THE DAY'S BINDER COURSE BEFORE THE END OF THE WORKING DAY. NO DROP-OFFS WILL BE ALLOWED TO REMAIN DURING NON-WORKING HOURS. SHORT-TERM PAVEMENT MARKINGS SHALL BE INSTALLED ALONG THE CENTERLINE AND THE SHOULDERS WHEN THE WIDTH OF THE TOP OF THE DAY'S COMPLETED BINDER COURSE EXCEEDS 32 FEET.

MAINTAIN AND RELOCATE THE MAILBOX ALONG THE TOWNSHIP ROAD AS SHOWN ON THE PLAN SHEET. COST SHALL BE INCLUDED IN EXCAVATION ITEMS.

LOCATIONS OF ROCK FILL - EMBANKMENT SHOWN IN THE CROSS SECTIONS MAY NOT BE THE ONLY LOCATIONS FOR THE ITEM. THE ENGINEER WILL DETERMINE LOCATIONS FOR ADDITIONAL MATERIAL.

REMOVAL OF THE EXISTING ROADWAY OF THE TOWNSHIP ROAD SHALL BE INCLUDED IN THE BID PRICE FOR EARTH EXCAVATION.

TREE REMOVAL WAS MEASURED AS THE AREA BOUNDED BY THE CONSTRUCTION LIMITS AND THE DRIP LINE OF THE TOPOGRAPHICAL SURVEY.

THE CORPS OF ENGINEERS 404 PERMIT REQUIRES A NOTICE OF AUTHORIZATION TO BE CONSPICUOUSLY DISPLAYED AT THE WORK SITE. THE RESIDENT ENGINEER WILL PROVIDE THE NOTICE AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPLAYING IT.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

APPLICATION	AC/PG	DESIGN AIR VOIDS	MIXTURE COMPOSITION	FRICTION AGGREGATE	QUALITY MANAGEMENT
HMA SURFACE COURSE (1 1/2")	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	QC/QA
FG LEVELING BINDER (MACHINE METHOD), (3/4" & VAR.)	PG 64-22	4.0% @ N=70	IL - 9.5 FG	N/A	QC/QA
HMA SHOULDERS, 8" (TOP LIFT)	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	QC/QA
HMA SHOULDERS, 8" (BOTTOM LIFT)	PG 64-22	4.0% @ N=70	IL - 19.0	N/A	QC/QA
HMA SHOULDERS	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	QC/QA
HMA BINDER COURSE (2 1/4" AND VAR.)	PG 64-22	4.0% @ N=70	IL - 19.0	N/A	PFP
HMA BASE COURSE (8")	PG 64-22	4.0% @ N=70	IL - 19.0	N/A	QC/QA
INCIDENTAL HOT-MIX ASPHALT SURFACING	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	QC/QA

INDEX OF SHEETS

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THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED FOLLOWING THE LAST NUMBERED SHEET OF THE PLANS.

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 001001-02 AREAS OF REINFORCEMENT BARS
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 606101-05 TYPE A GUTTER (INLET, OUTLET & ENTRANCE)
- 606201-04 TYPE B GUTTER (INLET, OUTLET & ENTRANCE)
- 630001-12 STEEL PLATE BEAM GUARDRAIL
- 630106-02 LONG-SPAN GUARDRAIL OVER CULVERT
- 630201-07 PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
- 630301-08 SHOULDER WIDENING FOR TYPE 1 GUARDRAIL TERMINALS
- 631031-15 TRAFFIC BARRIER TERMINAL, TYPE 6
- 642006 SHOULDER RUMBLE STRIPS, 8 IN.
- 666001-01 RIGHT-OF-WAY MARKERS
- 667101-02 PERMANENT SURVEY MARKERS
- 668001-01 METHOD OF RESETTING U.S. GEOLOGIC SURVEY AND NATIONAL GEODETIC SURVEY BENCHMARKS
- 701001-02 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
- 701006-05 OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
- 701011-04 OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
- 701201-04 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS >= 45 MPH
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701306-04 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45 MPH
- 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 701901-07 TRAFFIC CONTROL DEVICES
- 780001-05 TYPICAL PAVEMENT MARKINGS
- 781001-04 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
- 782006 GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
- BLR-21-9 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

90% FEDERAL
10% STATE

90% FEDERAL
10% STATE

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0004		
20100500	TREE REMOVAL, ACRES	ACRE	1.7	1.7		
20200100	EARTH EXCAVATION	CU YD	12724	12724		
20400800	FURNISHED EXCAVATION	CU YD	10902	10902		
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	2753	2753		
25000200	SEEDING, CLASS 2	ACRE	6.3	6.3		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	567	567		
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	567	567		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	567	567		
25000700	AGRICULTURAL GROUND LIMESTONE	TON	12.6	12.6		
25100115	MULCH, METHOD 2	ACRE	6.3	6.3		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1260	1260		
28000305	TEMPORARY DITCH CHECKS	FOOT	158	158		
28000400	PERIMETER EROSION BARRIER	FOOT	7900	7900		
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	532	532		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0004		
28100105	STONE RIPRAP, CLASS A3	SQ YD	145	145		
28100809	STONE DUMPED RIPRAP, CLASS A5	TON	60	60		
28200200	FILTER FABRIC	SQ YD	145	145		
35400300	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 8"	SQ YD	4300	4300		
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SO YD	629	629		
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	73	73		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	17533	17533		
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	529	529		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	260	260		
40600990	TEMPORARY RAMP	SO YD	43	43		
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	10638	10638		
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	1042	1042		
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	79	79		

90% FEDERAL
10% STATE

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10% STATE

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0004		
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SO YD	44	44		
44000100	PAVEMENT REMOVAL	SO YD	731	731		
44000151	HOT-MIX ASPHALT SURFACE REMOVAL, 1/2"	SO YD	2885	2885		
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	32	32		
48101600	AGGREGATE SHOULDERS, TYPE B 8"	SO YD	3548	3548		
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	15	15		
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SO YD	1507	1507		
48203100	HOT-MIX ASPHALT SHOULDERS	TON	393	393		
50105220	PIPE CULVERT REMOVAL	FOOT	44	44		
50800105	REINFORCEMENT BARS	POUND	22158	22158		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	904	904		
54002020	EXPANSION BOLTS 3/4 INCH	EACH	160	160		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0004		
54003000	CONCRETE BOX CULVERTS	CU YD	176.9	176.9		
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	21.3	21.3		
60602500	CONCRETE GUTTER, TYPE A	FOOT	270	270		
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	2725	2725		
* 63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	FOOT	75	75		
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	2	2		
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	11	11		
* 63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	3	3		
63200310	GUARDRAIL REMOVAL	FOOT	1117	1117		
64200108	SHOULDER RUMBLE STRIPS, 8 INCH	FOOT	9100	9100		
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	35	35		
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	2	2		

* SPECIALTY ITEM

FILE NAME =	USER NAME = staffermk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 10/19/2017											

24

90% FEDERAL
10% STATE

90% FEDERAL
10% STATE

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0004		
66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	1	1		
67100100	MOBILIZATION	LSUM	1	1		
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD	LSUM	1	1		
	701201					
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD	LSUM	1	1		
	701306					
70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR	LSUM	1	1		
	21					
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	4	4		
70300100	SHORT TERM PAVEMENT MARKING	FOOT	4844	4844		
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	154	154		
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	14	14		
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	12900	12900		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	59	59		
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	47	47		

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0004		
* A2001016	TREE, ACER RUBRUM (RED MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	55	55		
* A2002316	TREE, BETULA NIGRA (RIVER BIRCH), 2" CALIPER, BALLED AND BURLAPPED	EACH	40	40		
* A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	30	30		
* A2006916	TREE, QUERCUS PALUSTRIS (PIN OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	20	20		
* A2007616	TREE, TAXODIUM DISTICHUM (COMMON BALD CYPRESS), 2" CALIPER, BALLED AND BURLAPPED	EACH	30	30		
* B2000564	TREE, AMELANCHIER CANADENSIS (SHADBLOW SERVICEBERRY), 5' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED	EACH	35	35		
* B2001116	TREE, CERCIS CANADENSIS (EASTERN REDBUD), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	35	35		
* B2001364	TREE, CORNUS FLORIDA (FLOWERING DOGWOOD), 5' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	20	20		
* D2001560	EVERGREEN, JUNIPERUS VIRGINIANA (EASTERN RED CEDAR), 5' HEIGHT, BALLED AND BURLAPPED	EACH	16	16		

* SPECIALTY ITEM

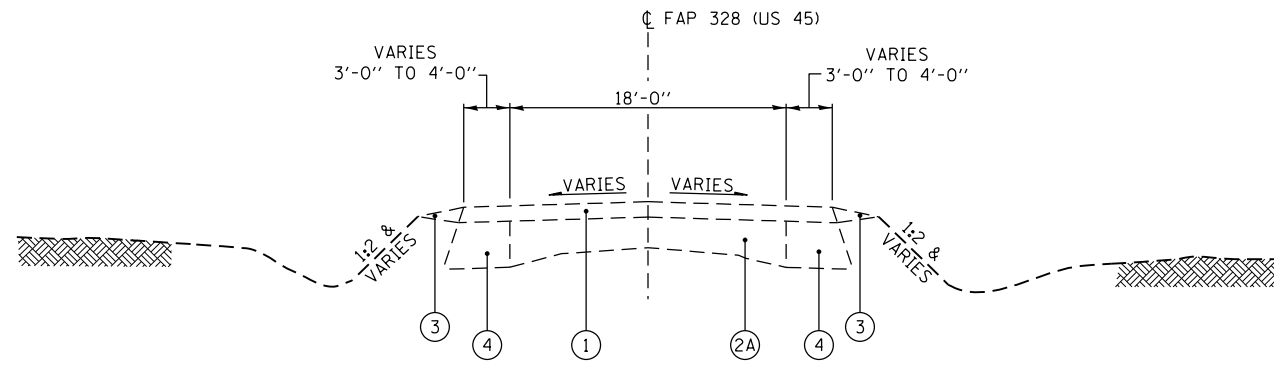
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

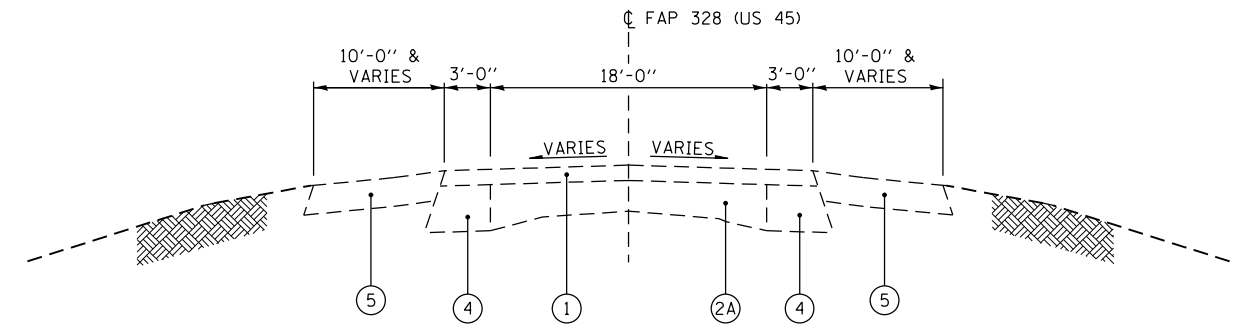
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
328A	3Y	EFFINGHAM	62	5
			CONTRACT NO. 74723	
ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION

STA 440+34 TO STA 477+08.35 (BK)
 STA 477+50.86 (AH) TO STA 485+00



EXISTING TYPICAL SECTION

STA 485+00 TO STA 489+50

LEGEND

- ① EXISTING BITUMINOUS SURFACE, 3" MIN
- ②A EXISTING PCC PAVEMENT (9"-6"-9")
- ②B EXISTING BITUMINOUS PAVEMENT
- ③ EXISTING AGGREGATE SHOULDER
- ④ EXISTING BASE COURSE WIDENING, 9" MIN
- ⑤ EXISTING BITUMINOUS SHOULDER, 8" MIN
- ⑧ EXISTING FULL DEPTH BITUMINOUS, 12"

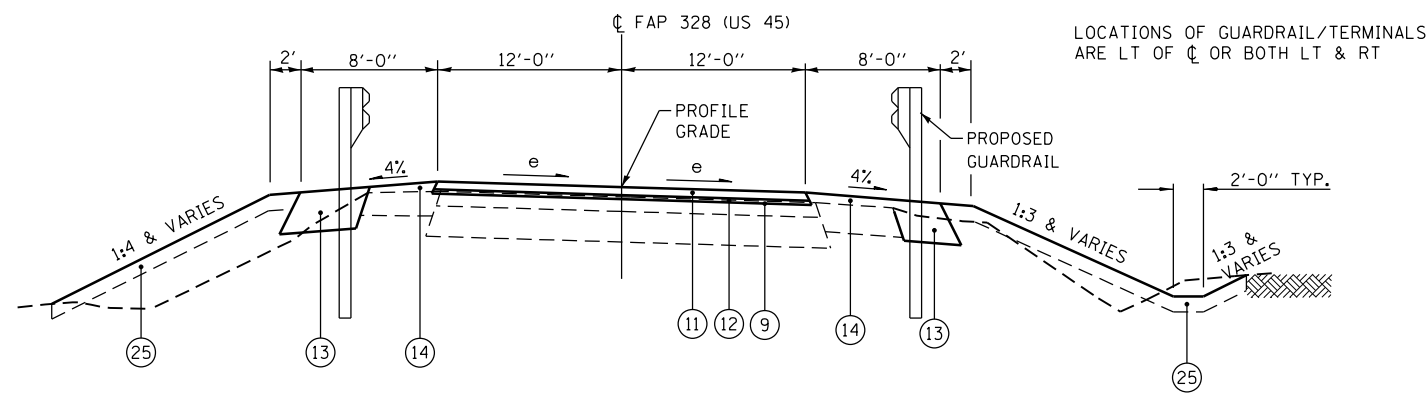
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EXISTING TYPICAL SECTIONS

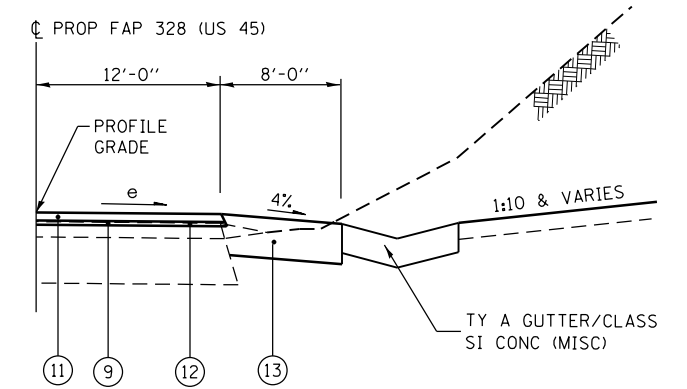
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
328A	3Y	EFFINGHAM	62	7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74723	



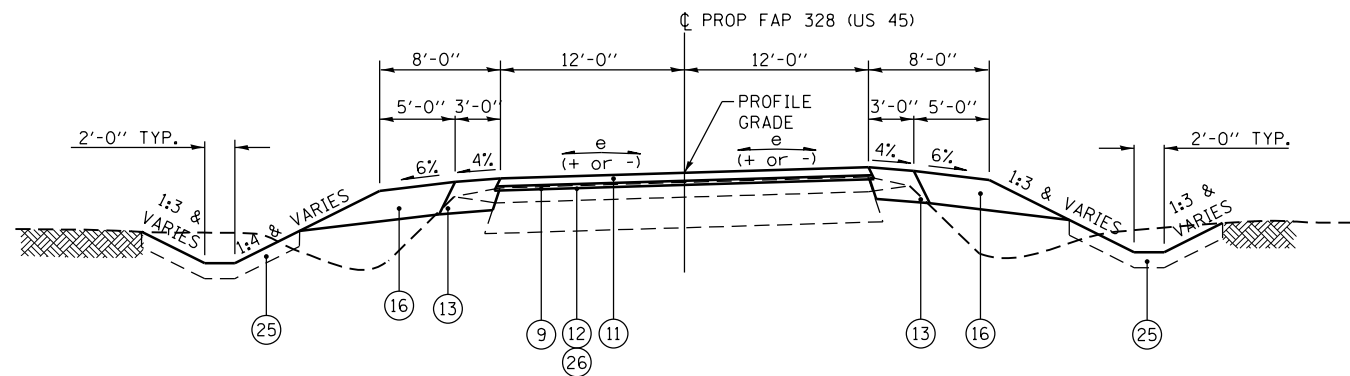
PROPOSED TYPICAL SUPERELEVATED SECTION W/GUARDRAIL

STA 440+37 TO STA 441+93 LT
STA 440+17 TO STA 441+10 RT



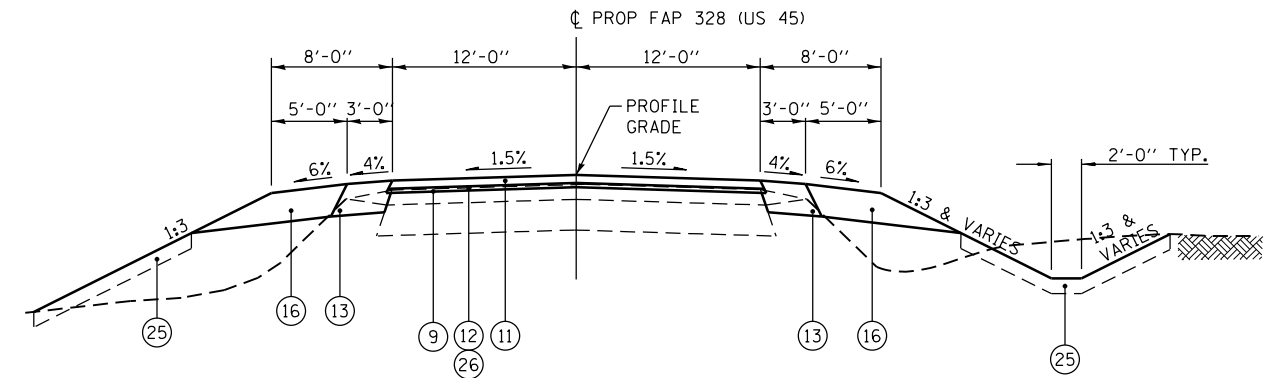
PROPOSED TYPICAL SUPERELEVATED SECTION

STA 441+10.00 TO STA 444+42 RT



PROPOSED TYPICAL SUPERELEVATED SECTION

STA 441+93 TO STA 445+55 LT
STA 444+42 TO STA 445+55 RT
STA 484+60 TO STA 485+40



PROPOSED TYPICAL TANGENT SECTION

STA 445+55 TO STA 448+00
STA 480+00 TO STA 484+60

LEGEND

- ⑨ HOT-MIX ASPHALT SURFACE REMOVAL, 1/2" (NOMINAL)
- ⑪ HOT-MIX ASPHALT SURFACE COURSE, MIX C, N70, (1 1/2")
- ⑫ LEVELING BINDER (MACHINE METHOD), N70 FG VARIABLE THICKNESS (3/4" MIN, 2.25" MAX)
- ⑬ HOT-MIX ASPHALT SHOULDERS, 8"
- ⑭ HOT-MIX ASPHALT SHOULDERS (VARIABLE DEPTH)
- ⑮ AGGREGATE WEDGE SHOULDERS, TYPE B
- ⑯ AGGREGATE SHOULDERS, TYPE B, 8"
- ⑳ TOPSOIL FURNISH AND PLACE, 4"
- ㉑ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (2.25" MIN)

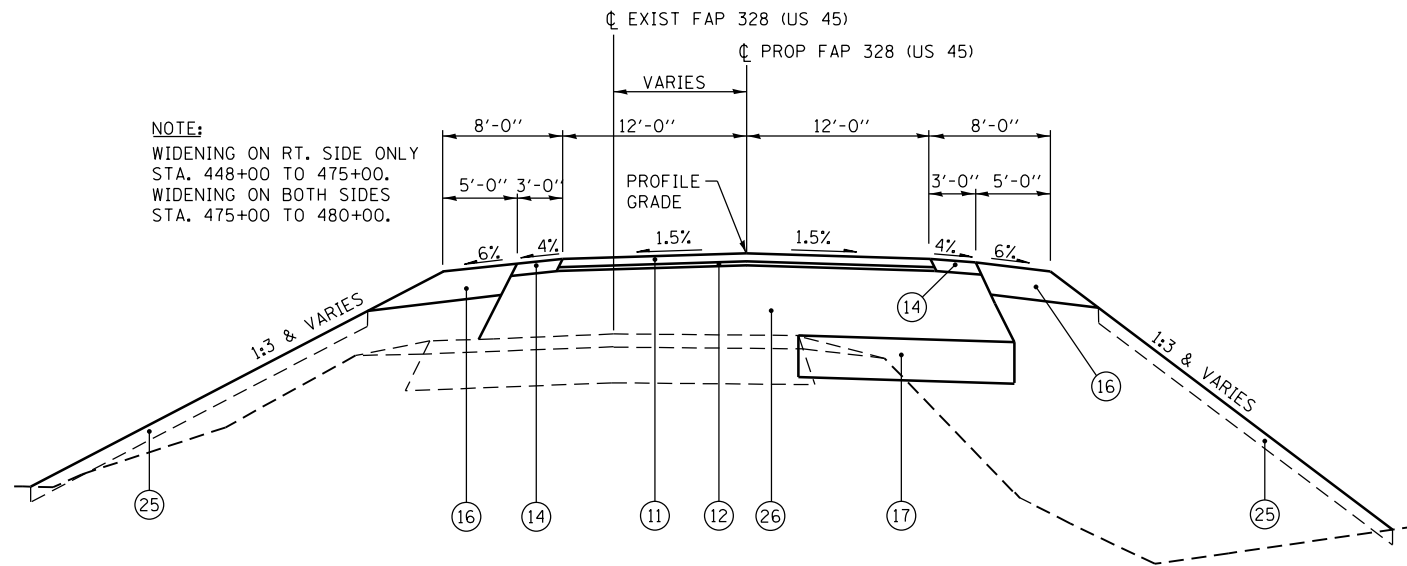
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	PLOT DATE = 10/18/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED TYPICAL SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
328A	3Y	EFFINGHAM	62	8
CONTRACT NO. 74723			ILLINOIS FED. AID PROJECT	

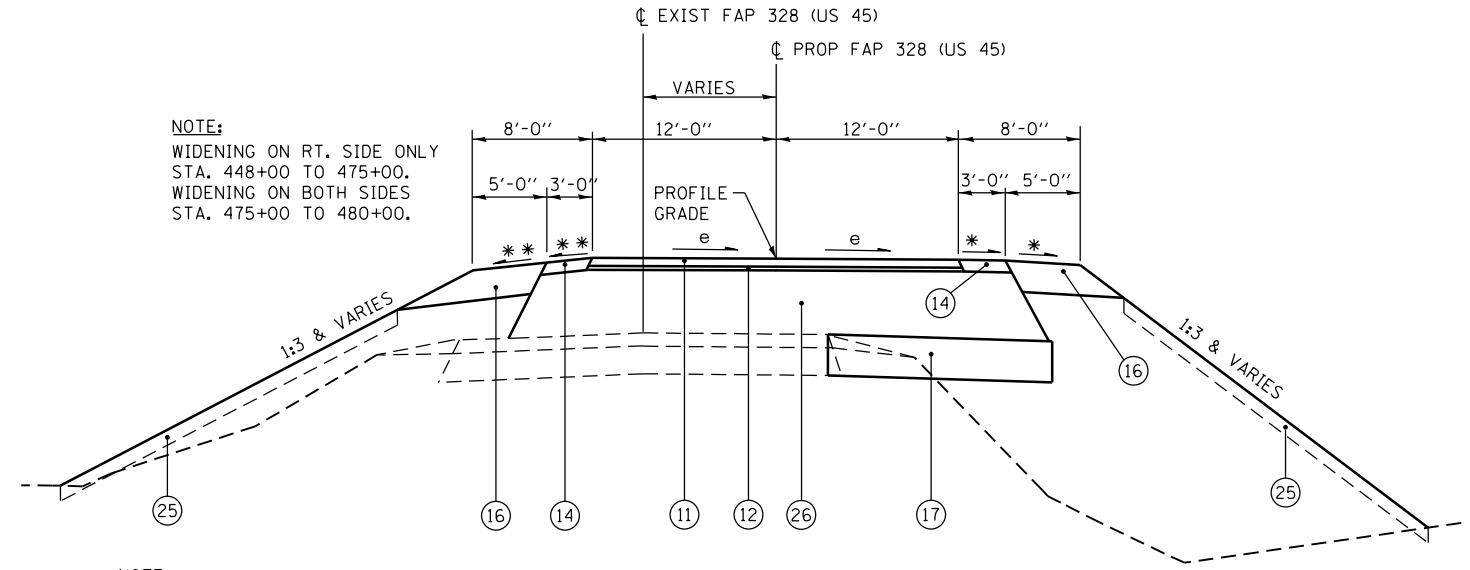


NOTE:
WIDENING ON RT. SIDE ONLY
STA. 448+00 TO 475+00.
WIDENING ON BOTH SIDES
STA. 475+00 TO 480+00.

NOTE:
GUARDRAIL:
LT. STA. 448+00 TO 450+20 &
LT. STA. 456+42 TO 467+07

**PROPOSED REALIGNMENT
TYPICAL TANGENT SECTION**

STA 448+00 TO STA 467+07
STA 478+37 TO STA 480+00

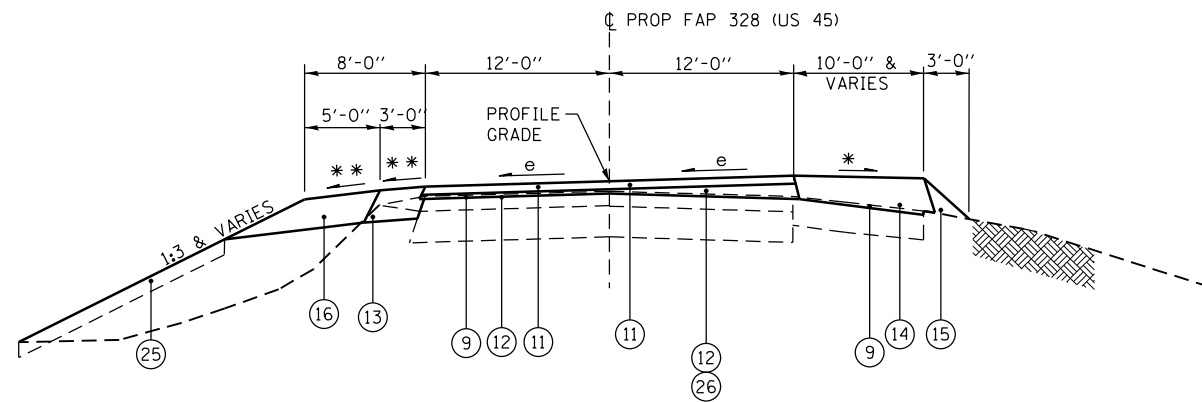


NOTE:
WIDENING ON RT. SIDE ONLY
STA. 448+00 TO 475+00.
WIDENING ON BOTH SIDES
STA. 475+00 TO 480+00.

NOTE:
GUARDRAIL:
LT. STA. 467+07 TO 470+42

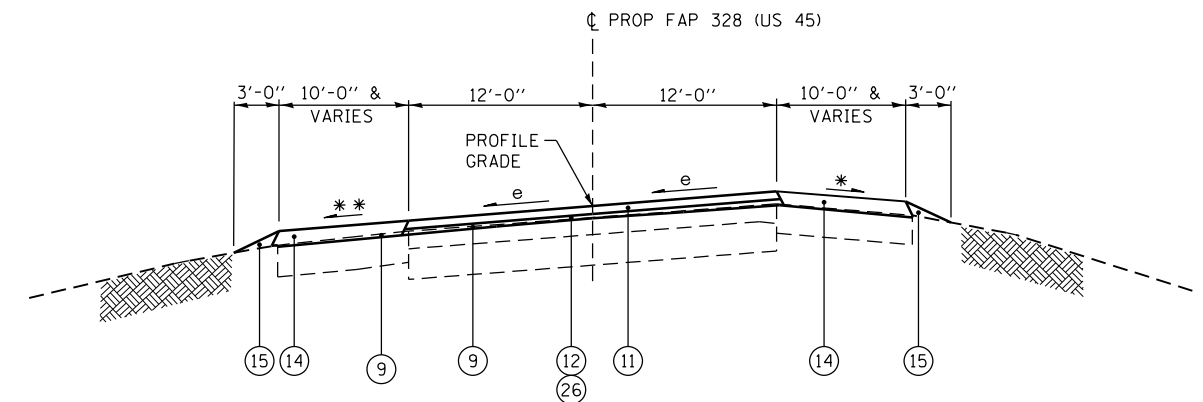
**PROPOSED REALIGNMENT
TYPICAL SUPERELEVATED SECTION**

STA 467+07 TO STA 477+08.35 (BK)
STA 477+50.86 (AH) TO STA 478+37



PROPOSED TYPICAL SUPERELEVATED SECTION

STA 485+40 TO STA 485+83



PROPOSED TYPICAL SUPERELEVATED SECTION

STA 485+83 TO STA 490+00

LEGEND

- ⑨ HOT-MIX ASPHALT SURFACE REMOVAL, 1/2" (NOMINAL)
- ⑪ HOT-MIX ASPHALT SURFACE COURSE, MIX C, N70, (1 1/2")
- ⑫ LEVELING BINDER (MACHINE METHOD), N70 FG VARIABLE THICKNESS (3/4" MIN, 2.25" MAX)
- ⑬ HOT-MIX ASPHALT SHOULDERS, 8"
- ⑭ HOT-MIX ASPHALT SHOULDERS (VARIABLE DEPTH)
- ⑮ AGGREGATE WEDGE SHOULDERS, TYPE B
- ⑯ AGGREGATE SHOULDERS, TYPE B, 8"
- ⑰ PCC BASE COURSE WIDENING, 8"
- ⑳ TOPSOIL FURNISH AND PLACE, 4"
- ㉑ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (2.25" MIN)

- * WHEN THE SUPERELEVATION RATE OF THE PAVEMENT IS BETWEEN 0% AND 2%, THE SHOULDER SLOPES SHALL BE 4% AND 6%. WHEN THE SUPERELEVATION RATE OF THE PAVEMENT EXCEEDS 2%, THE AGGREGATE SHOULDER SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN PAVEMENT AND AGGREGATE SHOULDER SLOPE IS NOT GREATER THAN 8%.
- ** THE SHOULDER SLOPES SHALL BE THE SAME AS THE SUPERELEVATION RATE OF THE PAVEMENT AFTER THE PAVEMENT EXCEEDS THE STANDARD SHOULDER SLOPES.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED TYPICAL SECTIONS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
328A	3Y	EFFINGHAM	62	9
CONTRACT NO. 74723			ILLINOIS FED. AID PROJECT	

PCC BASE COURSE WIDENING 8"	
LEFT STATION	WIDTH (FT)
475+00	2.75
476+00	5.65
477+00	6.62
478+00	6.33
479+00	4.96
480+00	4.02
RIGHT STATION	WIDTH (FT)
448+00	4.00
449+00	4.50
450+00	4.90
451+00	5.58
452+00	6.35
453+00	7.16
454+00	7.89
455+00	8.73
456+00	9.62
457+00	10.52
458+00	11.38
459+00	12.44
460+00	13.39
461+00	15.84
462+00	17.77
463+00	18.57
464+00	16.93
465+00	17.63
466+00	18.47
467+00	19.20
468+00	19.71
469+00	19.12
470+00	17.54
471+00	15.31
472+00	12.15
473+00	9.51
474+00	7.61
475+00	6.80
476+00	6.19
477+00	5.93
478+00	5.96
479+00	5.19
480+00	4.01

PAVEMENT REMOVAL	
LEFT STATION	WIDTH (FT)
453+00	0.00
454+00	0.95
455+00	1.87
456+00	2.86
457+00	1.35
458+00	1.90
459+00	3.02
460+00	3.75
461+00	4.44
462+00	5.16
463+00	6.71
464+00	6.95
465+00	8.40
466+00	9.18
467+00	3.71
468+00	0.00
471+00	0.00
472+00	3.46
473+00	2.59
473+15	2.60

PAVING SCHEDULE										
LOCATION	TOTAL ROADWAY WIDTH	LENGTH	AREA	HMA SURFACE REMOVAL - BUTT JOINT	TEMPORARY RAMP	HMA SURFACE REMOVAL 1/2" IN	BITUMINOUS MATERIALS (TACK COAT)	LEVELING BINDER (MM) N 70	HMA BINDER CSE, IL 19, N70	HMA SURF CSE MIX "C", N 70
	FT	FT	SQ YD	SQ YD	SQ YD	SQ YD	POUND	TON	TON	TON
STA. 440 + 27 TO 440 + 57	34	30	113	113	19		51			9
STA. 440 + 57 TO 440 + 77	34	20	76			76	34			5
STA. 440 + 77 TO 442 + 66	34	189	714			714	482	21		42
STA. 442 + 66 TO 444 + 60	25	194	539			539	364	23		43
STA. 444 + 60 TO 444 + 95	25	35	97				66	4		8
STA. 444 + 95 TO 477 + 08	25	3213	8925				13813	376	9322	720
STATION EQUATION										
STA. 477 + 50 TO 480 + 80	25	330	917				1593	39	1151	74
STA. 480 + 80 TO 481 + 10	25	30	83				56	4		7
STA. 481 + 10 TO 486 + 50	25	540	1500			1500	1012	63		122
STA. 486 + 50 TO 486 + 70	25	20	56			56	25			5
STA. 486 + 70 TO 487 + 00	25	30	83	147	24		37			7
TOTALS				260	43	2,885	17,533	529	10,473	1,042

EARTHWORK SCHEDULE					
LOCATION	EARTH EXCAVATION	EXCAVATION TO BE USED IN EMBANKMENT ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE(+) SHORTAGE(-)	TOPSOIL EXCAVATION AND PLACEMENT
	CU. YD.	CU. YD.	CU. YD.	CU. YD.	CU. YD.
US 45	11824	8868	20434	-11566	2657
500N	900	675	11	664	96
TOTALS	12724	9543	20445	-10902	2753

SURVEY MARKERS	PROTECTING OR RESETTING SURVEY MARKERS	SURVEY MARKER VAULT	PERMANENT SURVEY MARKER TYPE 1	PERMANENT SURVEY MARKER TYPE 2
	EACH	EACH	EACH	EACH
STA 442+01.44	1	1		
STA 444+85.21	1	1		
STA 449+71.06	1	1		
STA 454+56.90	1	1		
STA 467+92.77	1	1	1	
STA 472+51.52	1	1		1
STA 477+08.35	1	1	1	
STA 485+66.07	1	1		
TOTALS	8	8	2	1

GUARDRAIL SCHEDULE	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	LONG-SPAN GUARDRAIL OVER CULVERT 12 FT 6 IN	TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (TANGENT)	TRAFFIC BARRIER TERMINAL, TYPE 1 SPECIAL (FLARED)	TRAFFIC BARRIER TERMINAL, TYPE 6	GUARDRAIL REFLECTORS, TYPE A	TERMINAL MARKER, DIRECT APPLIED
	FT	FT	EACH	EACH	EACH	EACH	EACH
RT STA 440+17 TO STA 440+60					1	4	1
RT STA 440+60 TO STA 441+10			1				
LT STA 440+37 TO STA 440+80					1	3	
LT STA 440+80 TO STA 441+43	62.5					1	
LT STA 441+43 TO STA 441+93			1				1
RT STA 444+47 TO STA 444+97			1				1
RT STA 444+97 TO STA 446+02	105					4	
RT STA 446+02 TO STA 446+40		37.5					
RT STA 446+40 TO STA 446+85	45						
RT STA 446+85 TO STA 447+35			1				1
LT STA 445+08 TO STA 445+58			1				1
LT STA 445+58 TO STA 446+05	47					2	
LT STA 446+05 TO STA 446+42		37.5					
LT STA 446+42 TO STA 449+70	328					4	
LT STA 449+70 TO STA 450+20			1				1
LT STA 456+37 TO STA 456+87			1				1
* LT STA 456+87 TO STA 472+62	1575					20	
LT STA 472+62 TO STA 473+00				1			1
RT STA 469+60 TO STA 470+10			1				1
* RT STA 470+10 TO STA 472+23	212.5					3	
RT STA 472+23 TO STA 472+73			1				1
RT STA 483+31 TO STA 483+81			1				1
RT STA 483+81 TO STA 485+68	187.5					3	
RT STA 485+68 TO STA 486+06				1			1
LT STA 483+86 TO STA 484+36			1				1
LT STA 484+36 TO STA 485+99	162.5					3	
LT STA 485+99 TO STA 486+37				1			1
TOTALS	2725	75	11	3	2	47	14

* 56" POSTS IN IMPERVIOUS MATERIAL - SEE SHEET 4 OF STANDARD 630001 LENGTHS OF TYPE 1 TERMINALS (TANGENT) ASSUME 12.5' OF BREAKAWAY

RIGHT OF WAY MARKERS		
STA. 439+16.84	60.00' LT.	1 EACH
STA. 439+16.84	60.00' RT.	1 EACH
STA. 444+85.21	60.00' LT.	1 EACH
STA. 444+85.21	60.00' RT.	1 EACH
STA. 446+52.00	60.00' LT.	1 EACH
STA. 447+00.00	50.00' LT.	1 EACH
STA. 447+50.00	60.00' RT.	1 EACH
STA. 448+50.00	50.00' RT.	1 EACH
STA. 450+00.00	50.00' LT.	1 EACH
STA. 451+00.00	55.00' LT.	1 EACH
STA. 452+00.00	55.00' LT.	1 EACH
STA. 453+00.00	50.00' LT.	1 EACH
STA. 454+56.90	50.00' LT.	1 EACH
STA. 454+56.90	50.00' RT.	1 EACH
STA. 461+40.00	50.00' LT.	1 EACH
STA. 461+75.00	65.00' LT.	1 EACH
STA. 462+00.00	65.00' LT.	1 EACH
STA. 462+30.00	50.00' LT.	1 EACH
STA. 464+50.00	50.00' RT.	1 EACH
STA. 466+50.00	60.00' RT.	1 EACH
STA. 467+92.77	50.00' LT.	1 EACH
STA. 467+92.77	60.00' RT.	1 EACH
STA. 468+50.00	60.00' RT.	1 EACH
STA. 469+50.00	60.00' LT.	1 EACH
STA. 469+60.00	80.00' RT.	1 EACH
STA. 470+70.00	80.00' RT.	1 EACH
STA. 470+95.00	60.00' LT.	1 EACH
STA. 471+00.00	70.00' RT.	1 EACH
STA. 471+30.00	75.00' LT.	1 EACH
STA. 471+50.00	75.00' LT.	1 EACH
STA. 472+00.00	37.67' LT.	1 EACH
STA. 472+88.65	70.00' RT.	1 EACH
STA. 473+65.65	95.11' RT.	1 EACH
STA. 102+75.00*	20.00' RT.	1 EACH
TOTAL		34 EACH

* TOWNSHIP ROAD 500N STATIONING

GUARDRAIL REMOVAL	
RT. STA. 440+18 TO 440+70	52 FOOT
LT. STA. 440+37 TO 443+00	263 FOOT
LT. STA. 445+19 TO 447+20	201 FOOT
RT. STA. 445+18 TO 447+19	201 FOOT
LT. STA. 460+84 TO 462+84	200 FOOT
RT. STA. 460+83 TO 462+83	200 FOOT
TOTAL	1117 FOOT

SHOULDER SCHEDULE	WIDTH FEET	AGGREGATE WEDGE SHOULDERS, TYPE B TON	AGGREGATE SHOULDERS, TYPE B 8" S. Y.	HMA SHOULDERS TON	HMA SHOULDERS 8" S. Y.
LT STA 440+38 TO STA 442+00	4				72
LT STA 441+92 TO STA 442+67	3		25		
RT STA 442+65 TO STA 444+46	8				161
LT STA 442+67 TO STA 445+07	5		133		
LT STA 442+67 TO STA 443+00	VAR.				15
LT STA 443+00 TO STA 445+01	3				67
RT STA 444+46 TO STA 447+40	6				196
RT STA 444+42 TO STA 447+34	2		65		
LT STA 445+01 TO STA 450+26	6				350
LT STA 445+07 TO STA 450+20	2		114		
RT STA 447+40 TO STA 448+00	3				20
RT STA 447+34 TO STA 469+60	5		1237		
RT STA 469+60 TO STA 472+73	2		70		
RT STA 472+73 TO STA 473+21	5		27		
RT STA 448+00 TO STA 469+59	3			91	
RT STA 469+59 TO STA 472+79	6			26	
RT STA 472+79 TO STA 480+20	3			29	
LT STA 450+26 TO STA 451+00	3				25
LT STA 450+20 TO STA 456+42	5		346		
LT STA 451+00 TO STA 456+36	3			23	
LT STA 456+36 TO STA 473+21	6			131	
LT STA 456+42 TO STA 473+18	2		372		
LT STA 470+48 TO STA 480+20	3			39	
LT STA 473+65 TO STA 477+08	5		191		
RT STA 473+65 TO STA 477+08	5		191		
LT STA 477+50 TO STA 483+80	5		350		
LT STA 483+80 TO STA 486+40	2		58		
RT STA 477+50 TO STA 483+30	5		322		
RT STA 483+30 TO STA 485+40	2		47		
RT STA 480+20 TO STA 483+30	3				103
RT STA 483+30 TO STA 485+40	6				140
LT STA 480+20 TO STA 485+85	3				101
LT STA 483+80 TO STA 486+40	6				174
RT STA 485+40 TO STA 487+00	VAR.			33	
LT STA 485+85 TO STA 487+00	VAR.			21	
RT STA 485+40 TO STA 487+00	3	9			
LT STA 486+00 TO STA 487+00	3	6			
TOTALS		15	3548	393	1507

PIPE CULVERT REMOVAL	
RT. STA. 472+10 TO 472+30	20 FEET
LT. STA. 101+49 TO 101+73	24 FEET
TOTAL	44 FEET

ROCK FILL - EMBANKMENT	
RT. STA. 454+50 TO 460+50	860 TON
RT. STA. 463+50 TO 469+50	1703 TON
TOTAL	2563 TON

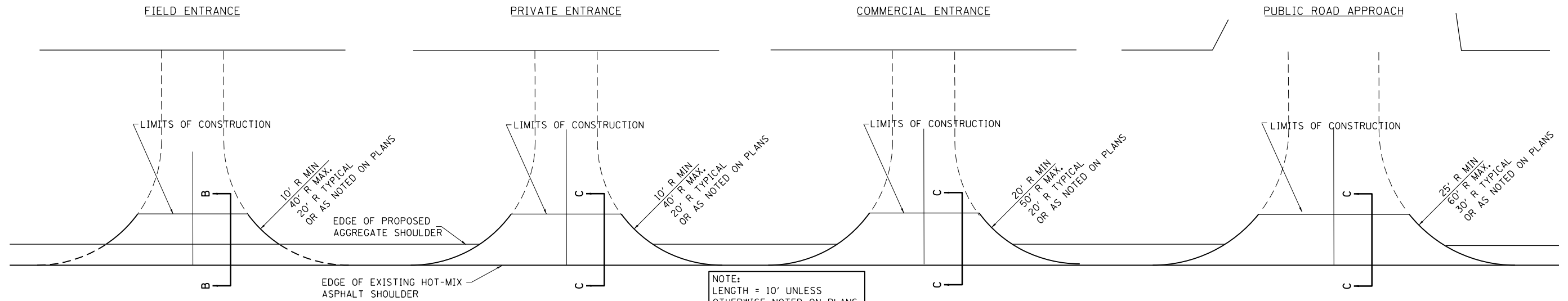
STONE RIPRAP, CLASS A3	
LT. & RT. STA. 446+21	57 S. Y.
LT. & RT. STA. 461+84	23 S. Y.
LT. & RT. STA. 471+42	23 S. Y.
LT. & RT. STA. 476+69	9 S. Y.
LT. & RT. STA. 485+19	33 S. Y.
TOTAL	145 S. Y.

CONCRETE GUTTER, TYPE A	
RT. STA. 441+04 TO 441+20	16 FOOT
RT. STA. 441+51 TO 444+05	254 FOOT
TOTAL	270 FOOT

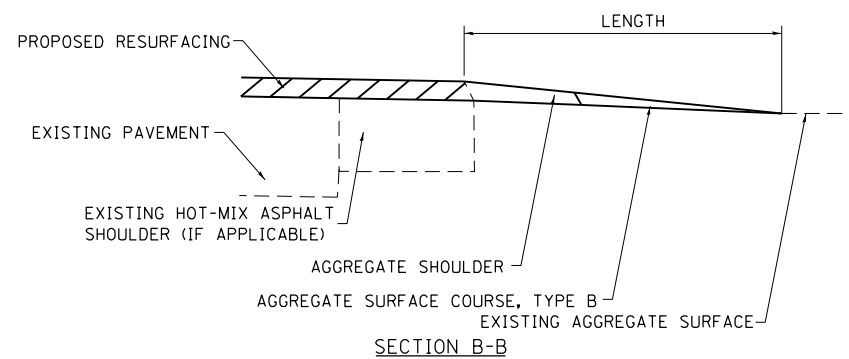
CONCRETE GUTTER, TYPE B (SPECIAL)	
LT. STA. 101+13 TO 101+50	37 FOOT
LT. STA. 101+77 TO 102+00	23 FOOT
TOTAL	60 FOOT

CLASS SI CONCRETE (OUTLET)	
RT. STA. 440+48 TO 441+04	4.7 C. Y.
RT. STA. 441+20 TO 441+51	4.2 C. Y.
RT. STA. 444+05 TO 444+75	5.9 C. Y.
LT. STA. 100+50 TO 101+13	4.0 C. Y.
LT. STA. 101+50 TO 101+77	1.9 C. Y.
LT. STA. 102+00 TO 102+12	0.6 C. Y.
TOTAL	21.3 C. Y.

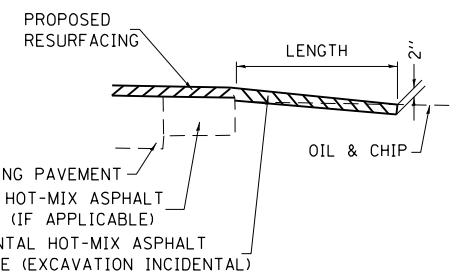
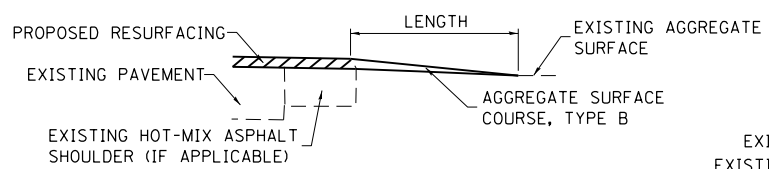
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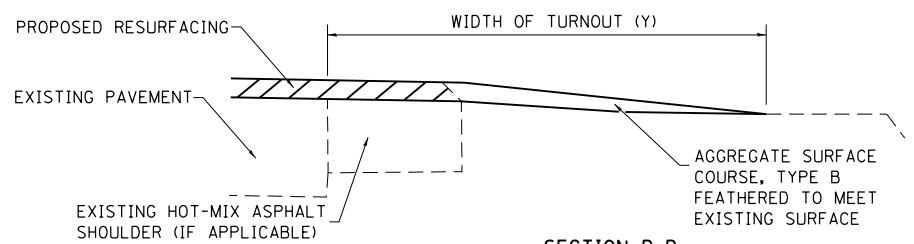
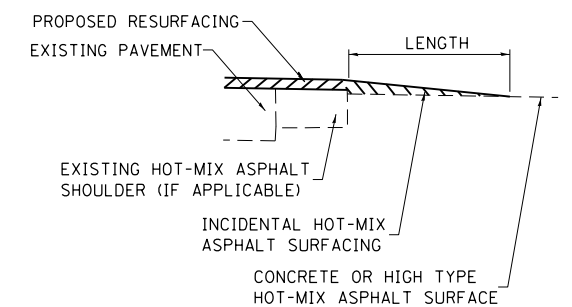
NOTE:
LENGTH = 10' UNLESS
OTHERWISE NOTED ON PLANS.



SECTION B-B



SECTION C-C



SECTION D-D

TYPICAL SECTION AT MAILBOX TURNOUT

NOTE: SEE STANDARD 406201 FOR MAILBOX TURNOUT DETAILS

NOTES

THE COST OF THE ASPHALT MATERIALS, AND AGGREGATE (PRIME COAT) FOR ENTRANCES AND PUBLIC ROADS AND APPROACHES SHALL BE INCLUDED IN THE PAY ITEM INCIDENTAL HOT-MIX ASPHALT SURFACING.

THE COST OF EXCAVATION IS INCLUDED IN THE PAY ITEM INCIDENTAL HOT-MIX ASPHALT SURFACING.

IF THERE IS NOT EXISTING HOT-MIX ASPHALT SHOULDER THEN THE ENTRANCE TAPER STARTS AT THE EDGE OF EXISTING PAVEMENT.

THE COST OF THE BITUMINOUS MATERIALS AND AGGREGATE (PRIME COAT) FOR ENTRANCES AND PUBLIC ROAD APPROACHES SHALL BE INCLUDED IN THE PAY ITEM INCIDENTAL HOT-MIX ASPHALT SURFACING.

SIDE	STATION	TYPE	INCIDENTAL HOT-MIX ASPHALT SURFACING	
			TON	TON
LT	473+42	PRA	9.0	

SIDE	MILEAGE•	TYPE	INCIDENTAL HOT-MIX ASPHALT SURFACING	
			TON	TON

SIDE	MILEAGE•	TYPE	INCIDENTAL HOT-MIX ASPHALT SURFACING	
			TON	TON

SIDE	MILEAGE•	TYPE	INCIDENTAL HOT-MIX ASPHALT SURFACING	
			TON	TON

SIDE	MILEAGE•	TYPE	INCIDENTAL HOT-MIX ASPHALT SURFACING	
			TON	TON

FE=FIELD ENTRANCE PRA - PUBLIC ROAD APPROACH
PE=PRIVATE ENTRANCE MBT - MAILBOX TURNOUT
CE=COMMERCIAL ENTRANCE

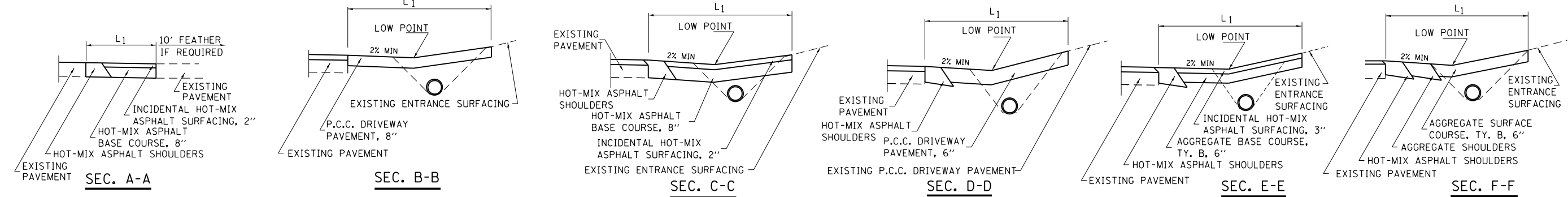
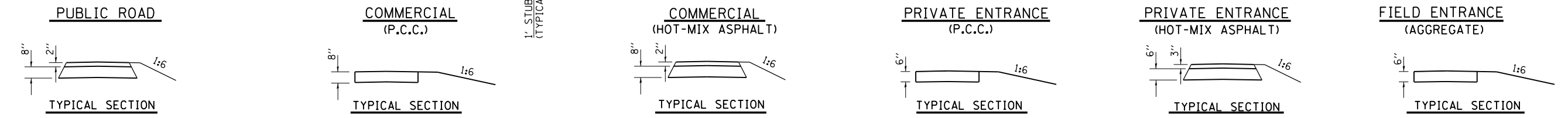
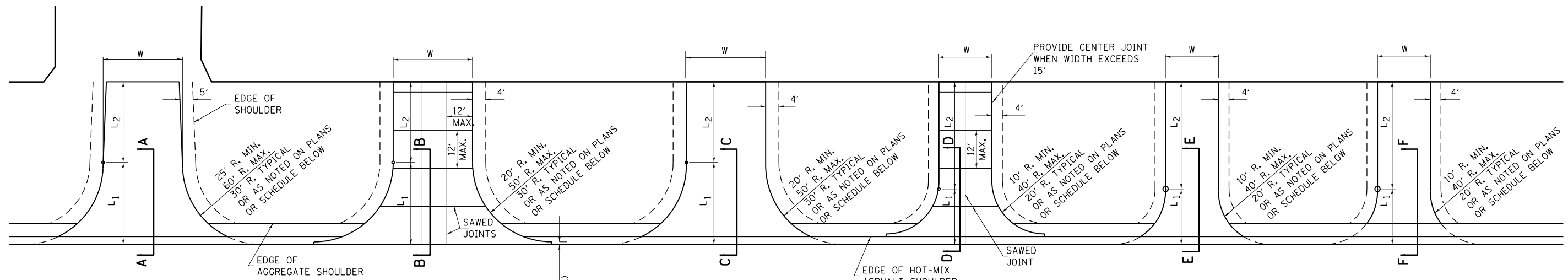
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RURAL ENTRANCE SCHEDULE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
328A	3Y	EFFINGHAM	62	12
CONTRACT NO. 74723			ILLINOIS FED. AID PROJECT	



ENTRANCE SCHEDULE

TYPE	SIDE/ STATION	WIDTH	LENGTH		RADI	AGGREGATE BASE COURSE, TYPE B		INCIDENTAL HMA SURFACING	AGGREGATE SURFACE COURSE, TYPE B	AGGREGATE SURFACE COURSE, TYPE A	P.C.C. DRIVEWAY PAVEMENT	
			L ₁	L ₂		TON	SO. YD.				SO. YD.	TON
FE	RT 441+36	20	16	74	VAR				56			
FE	RT 453+80	12	24	14	20				17			
PRA	RT 473+42	22	32	215	30		629	70				
PE	LT 101+63.5	20		20	*						44	
TOTALS									73			

* SEE STD. 606201

NOTES

L₁ = DISTANCE FROM EDGE OF PAVEMENT TO RADIUS POINT OR MAXIMUM DISTANCE OF 30'.
 L₂ = DISTANCE FROM RADIUS POINT OR MAXIMUM DISTANCE OF 30' FROM EDGE OF PAVEMENT TO R.O.W. LINE
 MATERIAL USED TO CONSTRUCT L₂ LENGTH SHALL BE THE SAME TYPE OF MATERIAL AS THE EXISTING ENTRANCE

THE THICKNESS OF THE HOT-MIX ASPHALT SHOULDERS THROUGH COMMERCIAL ENTRANCES (HOT-MIX ASPHALT) AND PUBLIC ROADS SHALL BE 10". THE COST OF THE EXTRA THICKNESS SHALL BE INCLUDED WITH THE HOT-MIX ASPHALT SHOULDERS PAY ITEM.

THE COST OF THE BITUMINOUS MATERIALS AND AGGREGATE (PRIME COAT) FOR ENTRANCES AND PUBLIC ROAD APPROACHES SHALL BE INCLUDED IN THE PAY ITEM INCIDENTAL HOT-MIX ASPHALT SURFACING.

HOT-MIX ASPHALT SHOULDERS SHALL NOT BE CONSTRUCTED THROUGH PCC ENTRANCE OR PCC PUBLIC ROAD APPROACH.

FE=FIELD ENTRANCE PRA - PUBLIC ROAD APPROACH
 PE=PRIVATE ENTRANCE MBT - MAILBOX TURNOUT
 CE=COMMERCIAL ENTRANCE

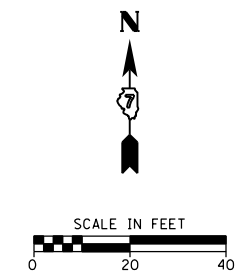
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

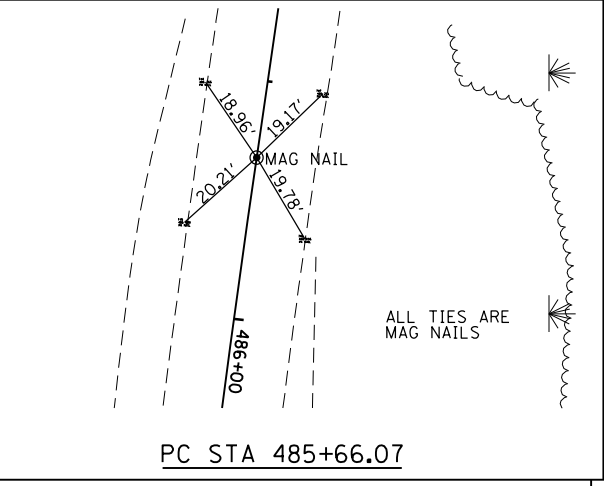
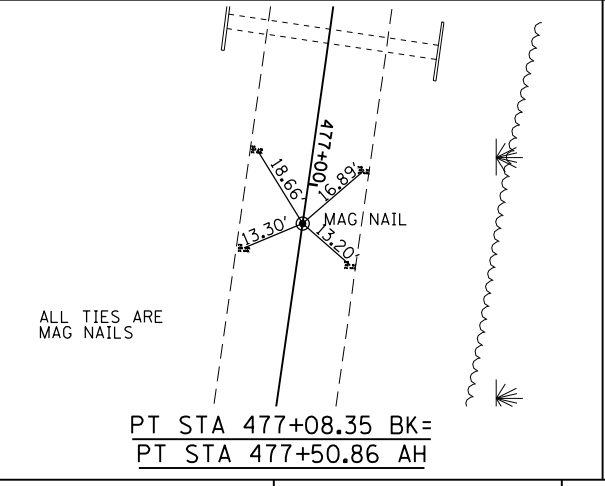
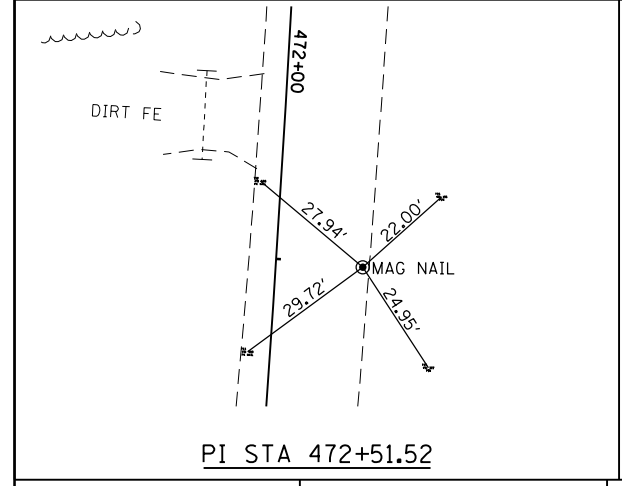
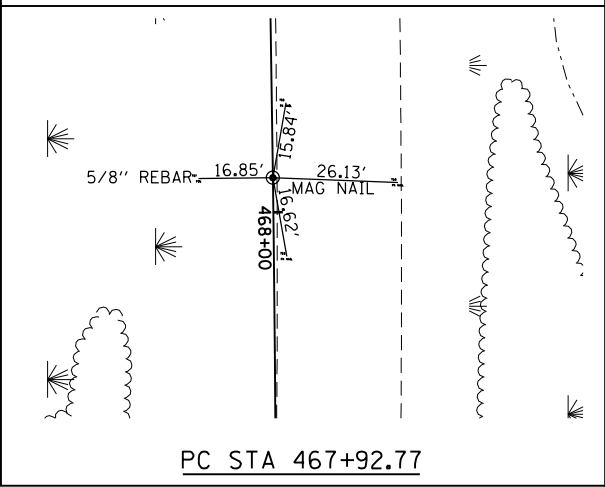
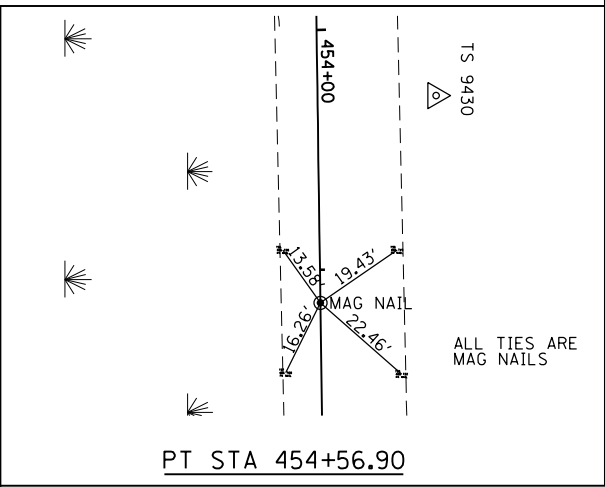
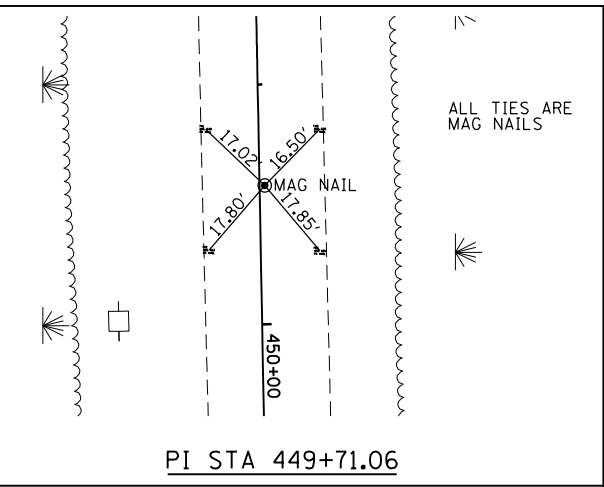
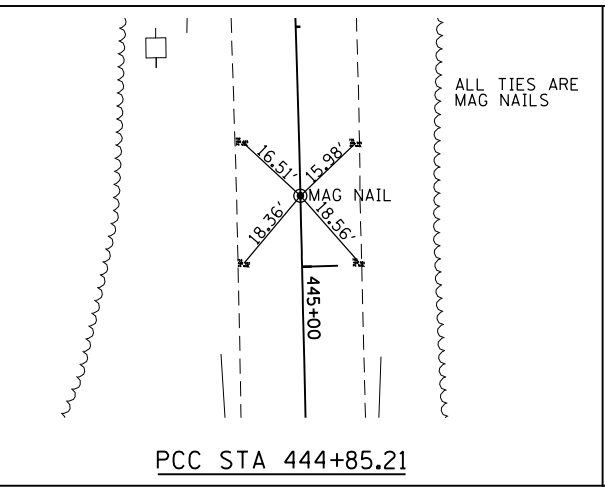
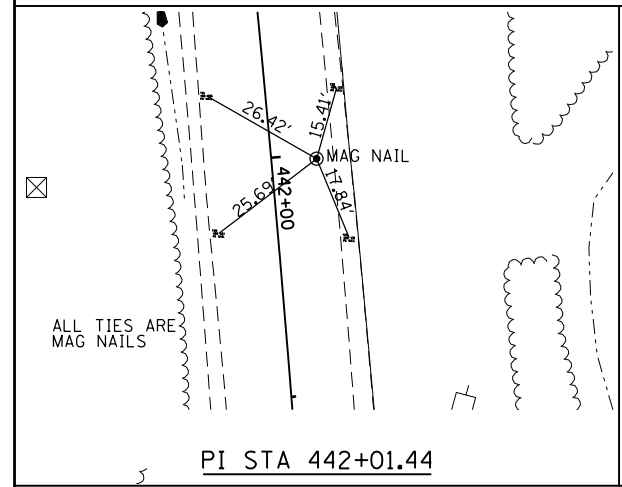
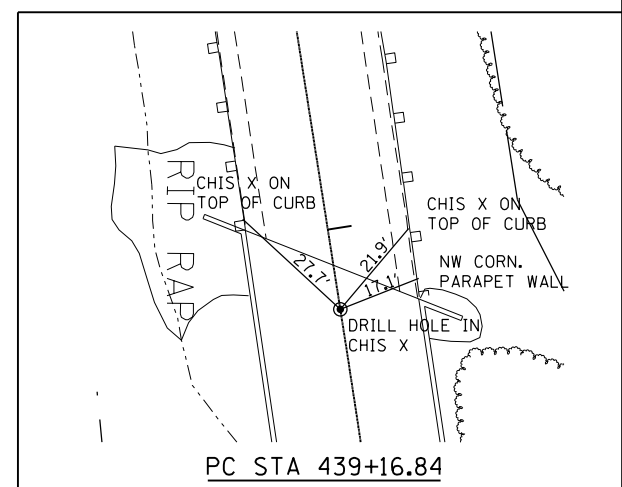
ENTRANCE SCHEDULE AND MAILBOX TURNOUT DETAILS
 WITH BASE COURSE WIDENING

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
328A	3Y	EFFINGHAM	62	13
CONTRACT NO. 74723			ILLINOIS FED. AID PROJECT	



NOTE: NORTH ARROW APPLIES TO ALL TIES



LOCAL TIES
ALL DISTANCES ARE TAPED

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 7\Projects\74723\Drawings\CAD\Sheets\0774723-sht-ATB.dgn		CHECKED -	REVISED -
Default	PLOT SCALE = 40.0000' / in.	DATE -	REVISED -
	PLOT DATE = 10/18/2017		

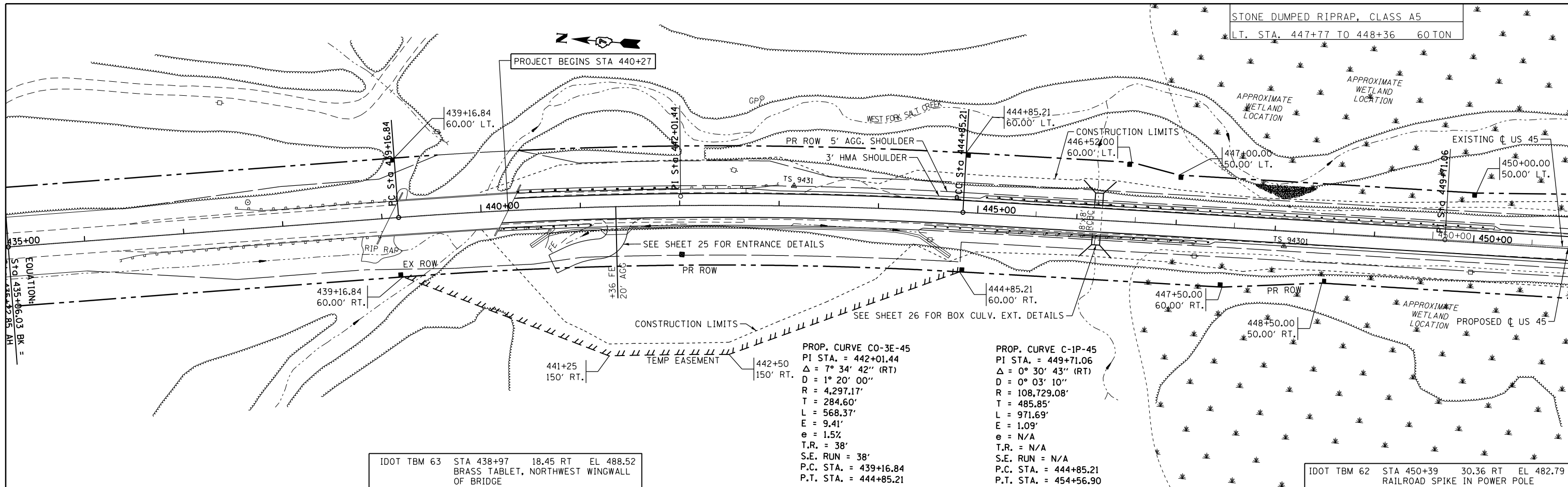
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

LOCAL TIES FOR CONTROL POINTS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
328A	3Y	Effingham	62	14
CONTRACT NO. 74723				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILE NAME	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE	
	NOTATIONS CHECKED	
	NO.	

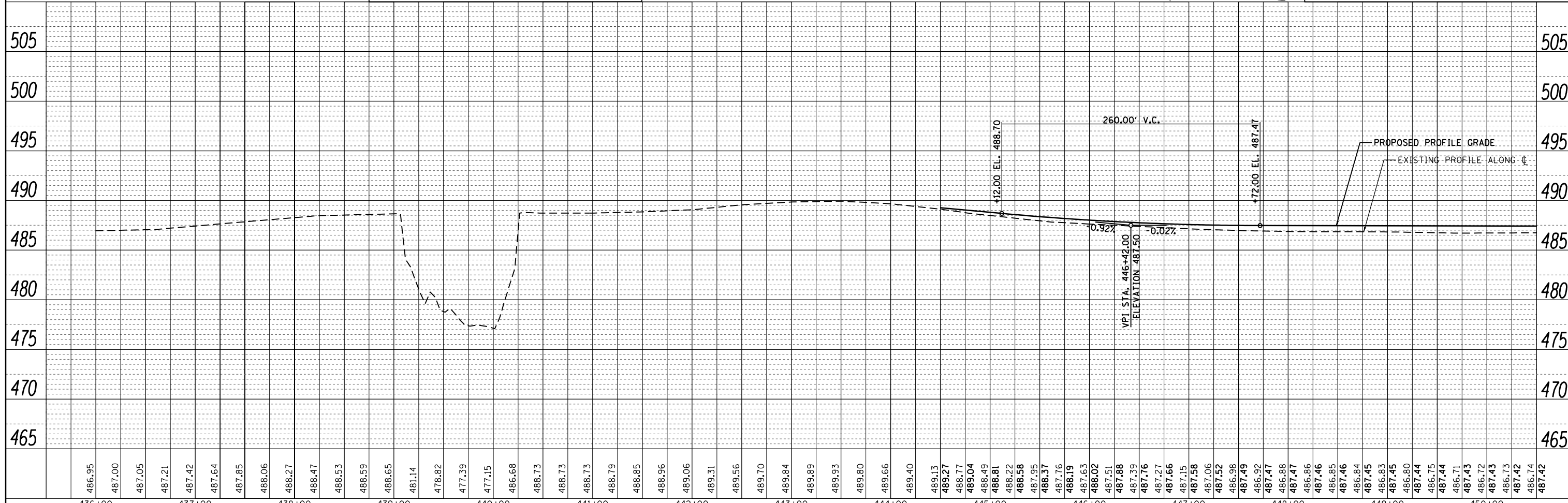


IDOT TBM 63 STA 438+97 18.45 RT EL 488.52
BRASS TABLET, NORTHWEST WINGWALL
OF BRIDGE

PROP. CURVE C0-3E-45
PI STA. = 442+01.44
Δ = 7° 34' 42" (RT)
D = 1° 20' 00"
R = 4,297.17'
T = 284.60'
L = 568.37'
E = 9.41'
e = 1.5%
T.R. = 38'
S.E. RUN = 38'
P.C. STA. = 439+16.84
P.T. STA. = 444+85.21

PROP. CURVE C-1P-45
PI STA. = 449+71.06
Δ = 0° 30' 43" (RT)
D = 0° 03' 10"
R = 108,729.08'
T = 485.85'
L = 971.69'
E = 1.09'
e = N/A
T.R. = N/A
S.E. RUN = N/A
P.C. STA. = 444+85.21
P.T. STA. = 454+56.90

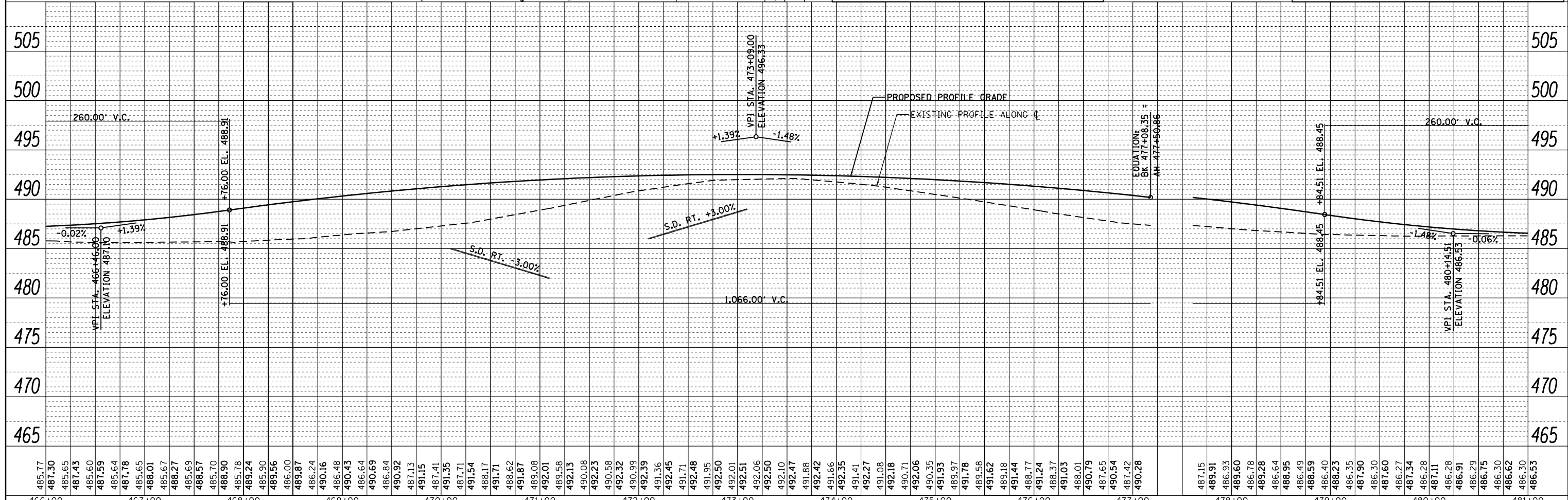
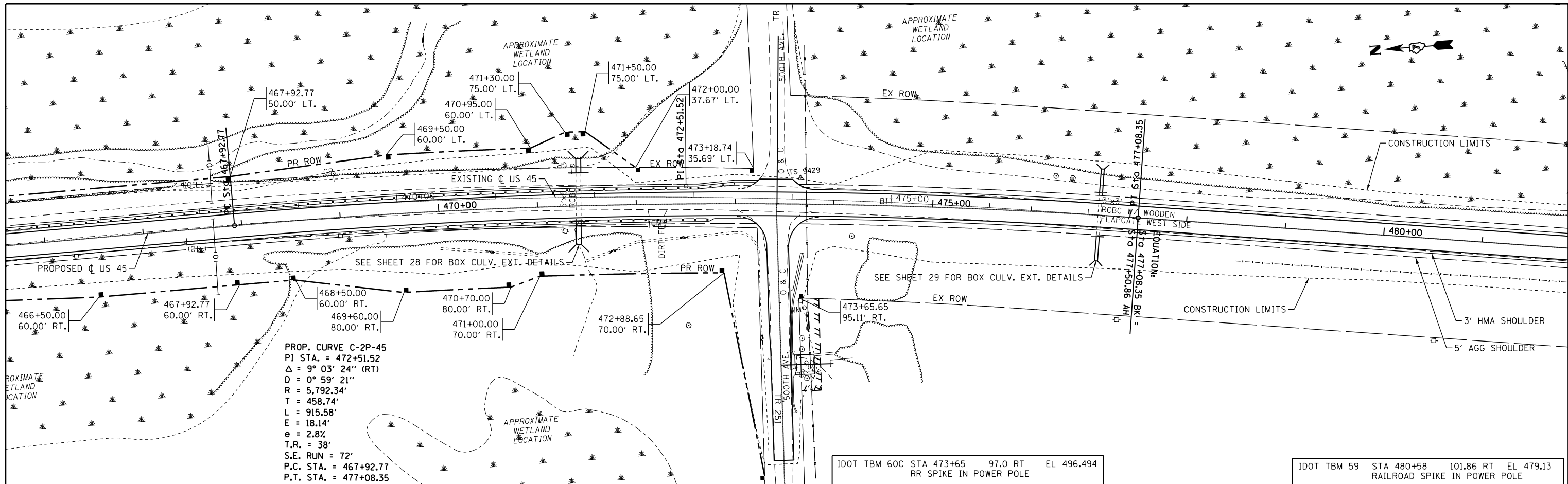
IDOT TBM 62 STA 450+39 30.36 RT EL 482.79
RAILROAD SPIKE IN POWER POLE



FILE NAME =	USER NAME = steffennik	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN & PROFILE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default		CHECKED -	REVISED -			328A	3Y	EFFINGHAM	62	15	
		DATE -	REVISED -			CONTRACT NO. 74723					
						ILLINOIS FED. AID PROJECT					

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	NO.		

PROFILE	SURVEYED	BY	DATE
	GRADES		
	CHECKED		
	STRUCTURE		
	NOTATIONS		
	CPWD		
	NO.		

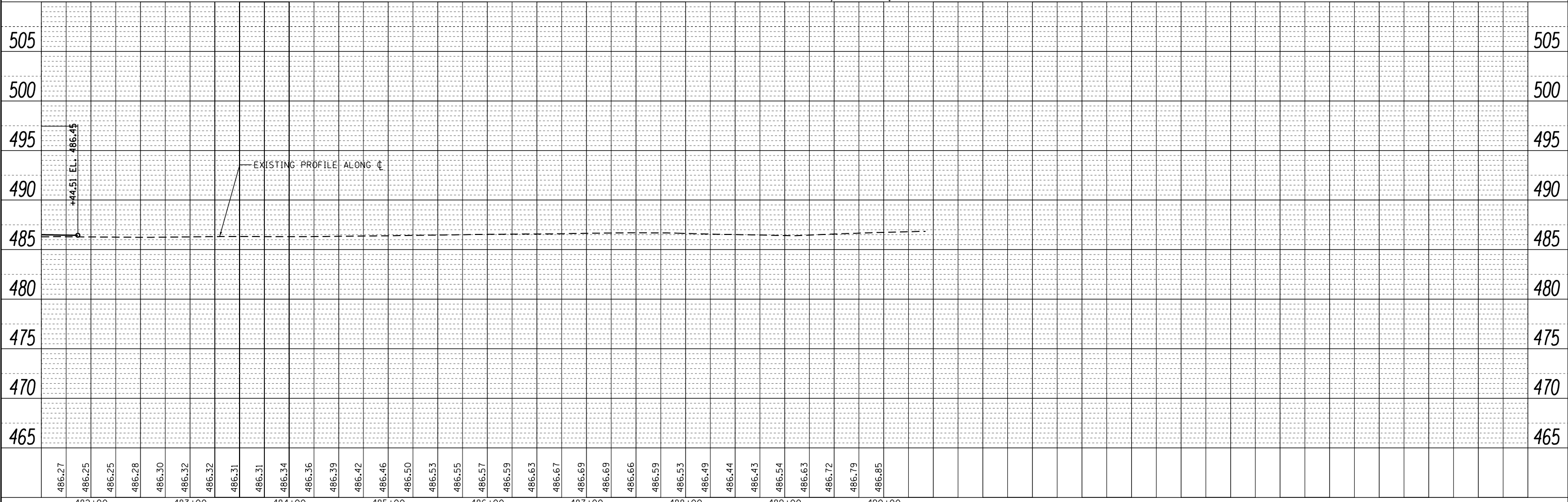
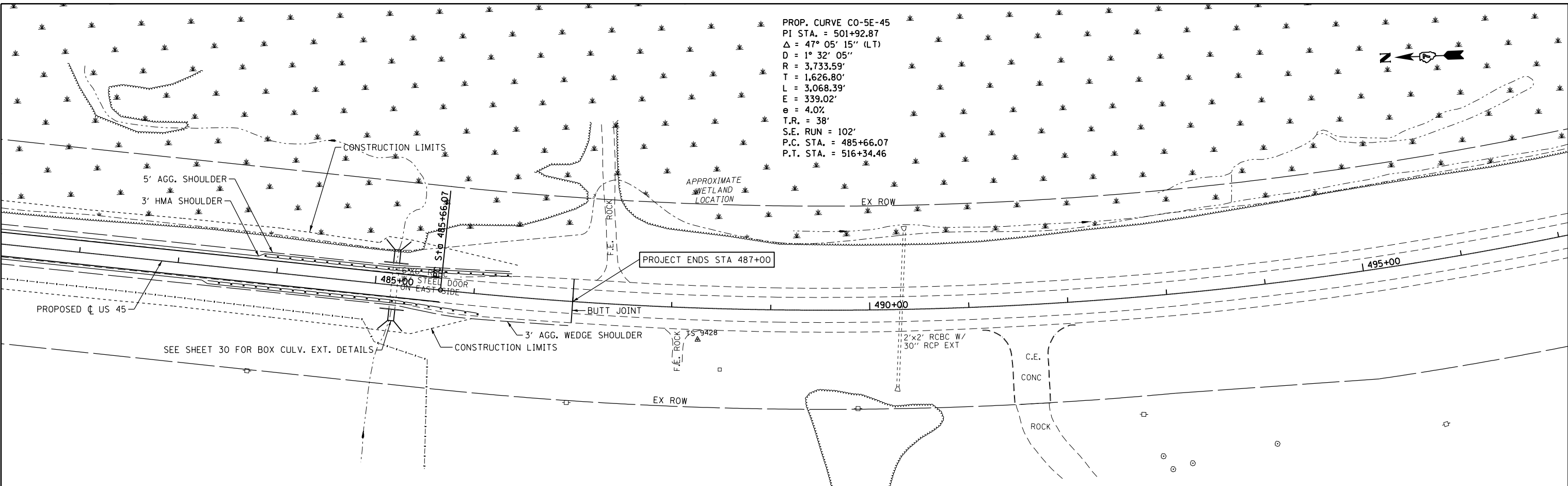


FILE NAME =	USER NAME = steffennik	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PLAN & PROFILE	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default		CHECKED -	REVISED -		328A	3Y	EFFINGHAM	62	17
		DATE -	REVISED -		CONTRACT NO. 74723				
					ILLINOIS FED. AID PROJECT				

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

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

PROP. CURVE C0-5E-45
 PI STA. = 501+92.87
 $\Delta = 47^\circ 05' 15''$ (LT)
 D = $1^\circ 32' 05''$
 R = 3,733.59'
 T = 1,626.80'
 L = 3,068.39'
 E = 339.02'
 e = 4.0%
 T.R. = 38'
 S.E. RUN = 102'
 P.C. STA. = 485+66.07
 P.T. STA. = 516+34.46



FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISED -
p:\1\084EBIDINTEG.allinois.gov\PIDOT\Documents\1007 Offices\District 7\Projects\74723\CONTRACT\CAD\Drawings\0774723-sht-plnprf.dwg		DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/18/2017	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

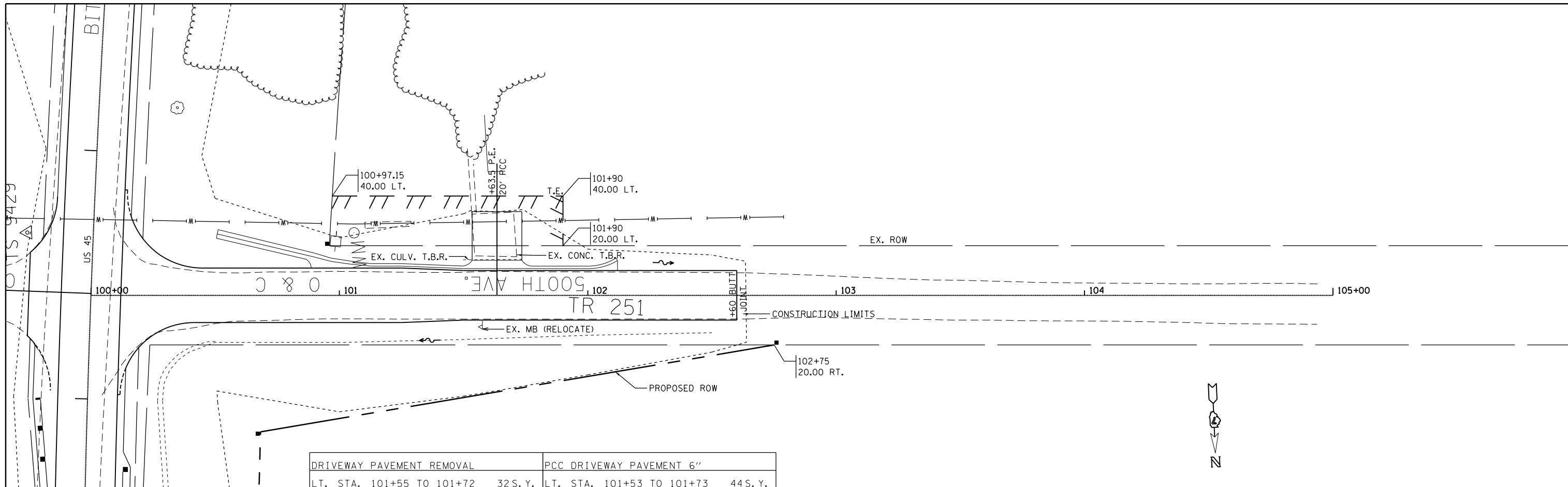
PLAN & PROFILE

SCALE: SHEET OF SHEETS STA. TO STA.

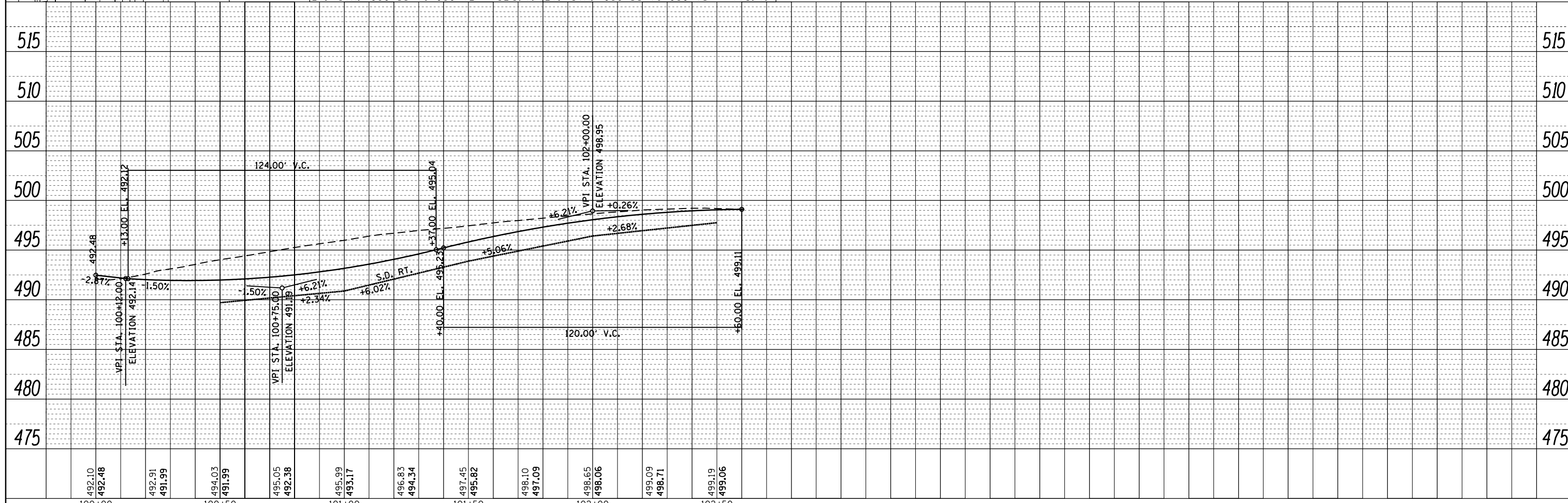
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
328A	3Y	EFFINGHAM	62	18
CONTRACT NO. 74723			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	NO. _____		
	NO. _____		
	NO. _____		

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



DRIVEWAY PAVEMENT REMOVAL	PCC DRIVEWAY PAVEMENT 6"
LT. STA. 101+55 TO 101+72 32 S.Y.	LT. STA. 101+53 TO 101+73 44 S.Y.



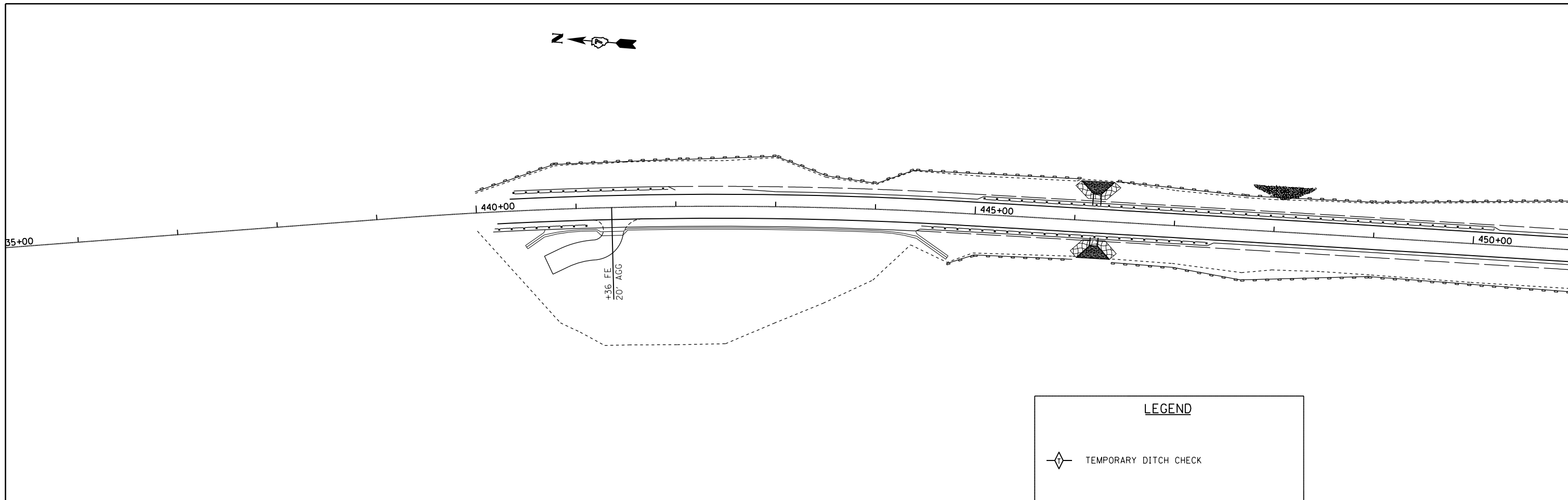
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Default		CHECKED -	REVISIED -
		DATE -	REVISIED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE 500N

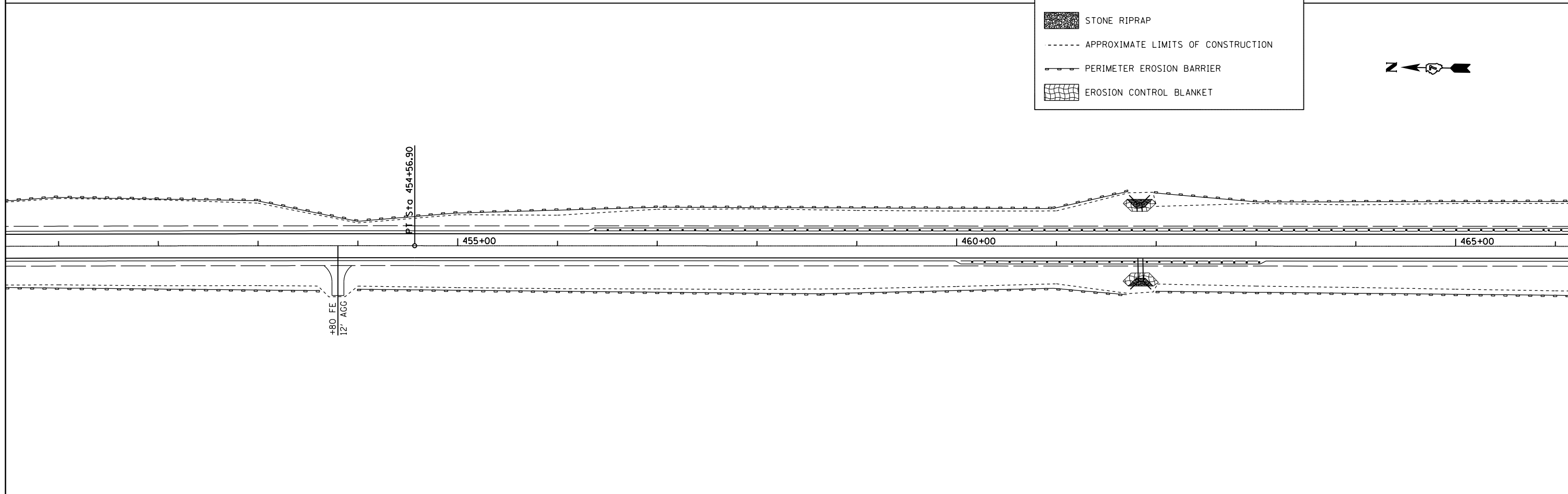
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
328A	3Y	EFFINGHAM	62	19
			CONTRACT NO. 74723	
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

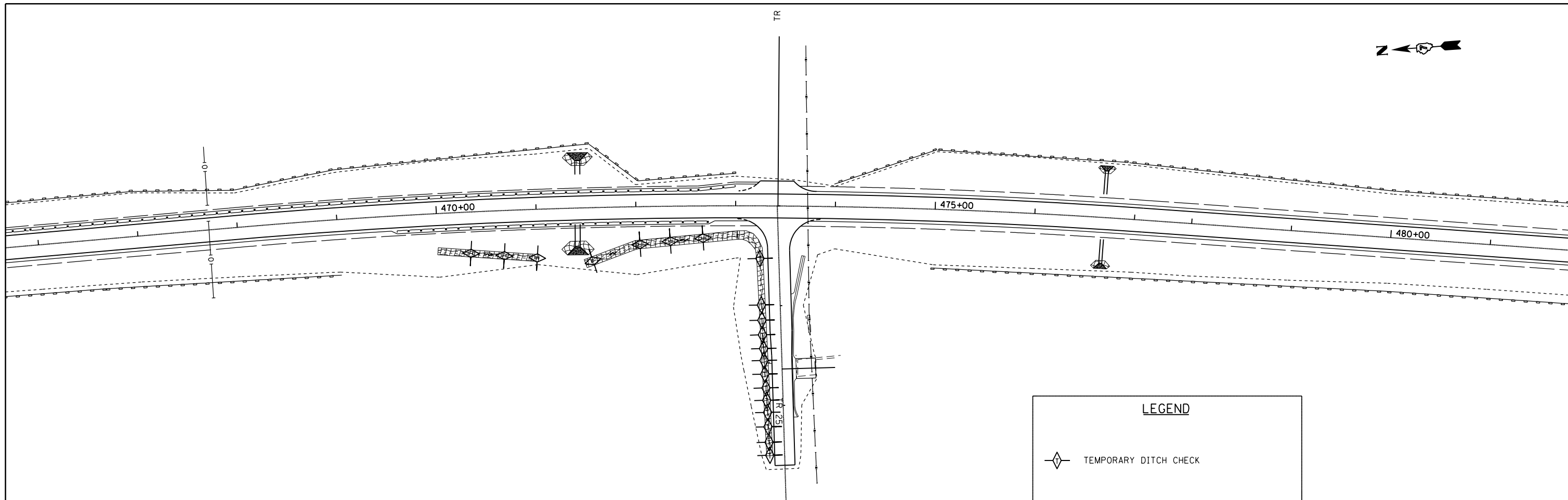


LEGEND

- TEMPORARY DITCH CHECK
- STONE RIPRAP
- APPROXIMATE LIMITS OF CONSTRUCTION
- PERIMETER EROSION BARRIER
- EROSION CONTROL BLANKET

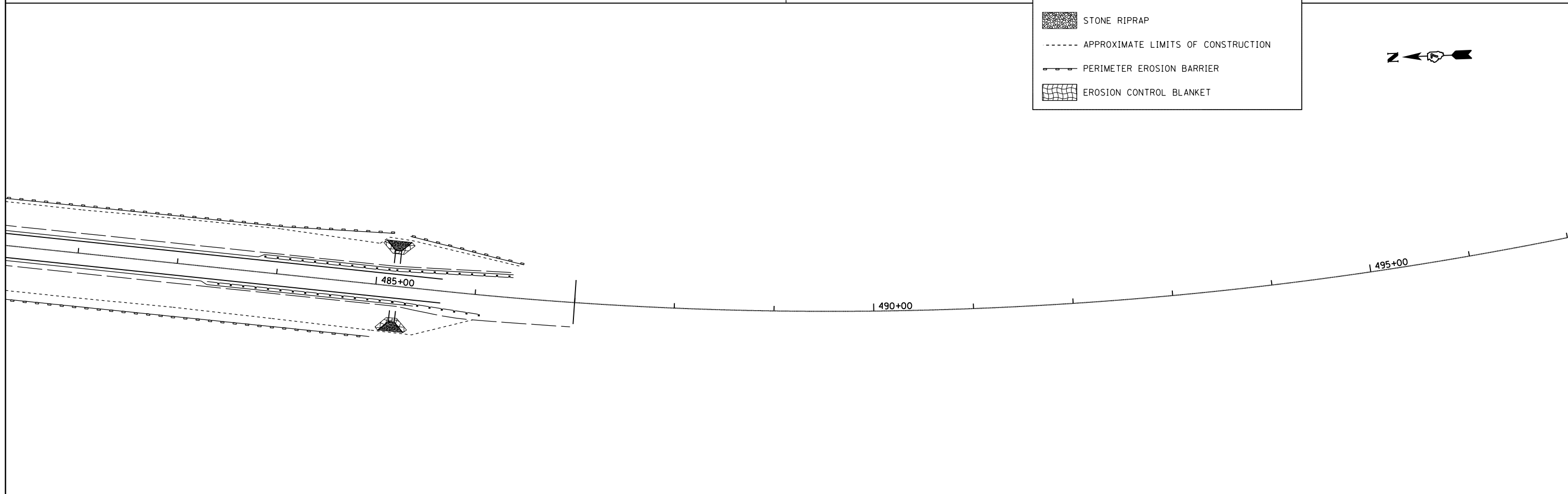


FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 7\Projects\74723\Drawings\CAD\Sheets\0774723-sht-plnprf.dwg								328A	3Y	EFFINGHAM	62	20
PLOT SCALE = 100.0000' / 1" Default					CONTRACT NO. 74723							
PLOT DATE = 10/18/2017					ILLINOIS FED. AID PROJECT							



LEGEND

- TEMPORARY DITCH CHECK
- STONE RIPRAP
- APPROXIMATE LIMITS OF CONSTRUCTION
- PERIMETER EROSION BARRIER
- EROSION CONTROL BLANKET



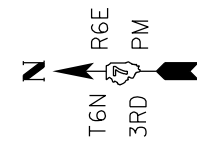
FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 10/18/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

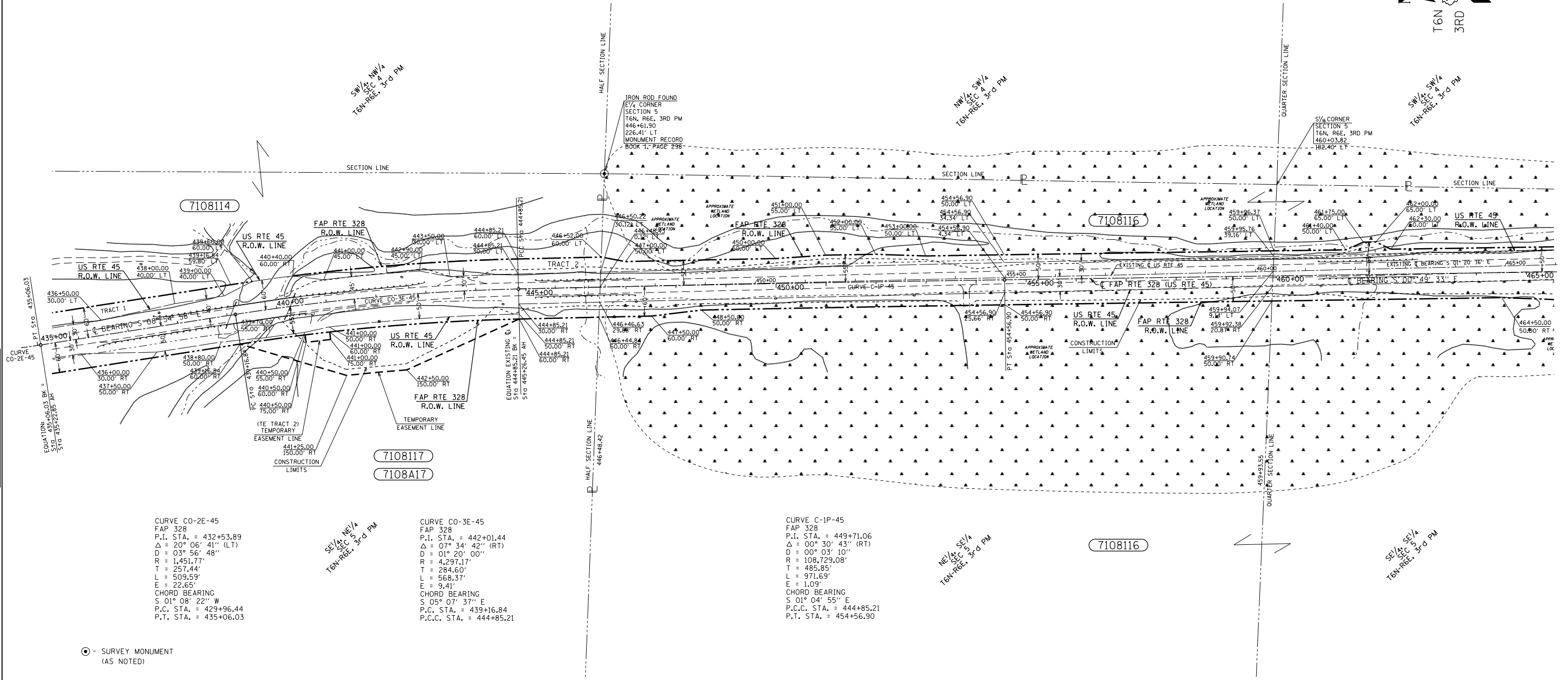
EROSION CONTROL			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
328A	3Y	EFFINGHAM	62	21
CONTRACT NO. 74723				
ILLINOIS FED. AID PROJECT				

T6N-R6E 3rd PM EFFINGHAM COUNTY



BY	DATE
JAG	02/02/02
R.O.W. PLAT	
NO. 1	
NOTEBOOK	
NO.	



CURVE CO-2E-45
 FAP 328
 P.I. STA. = 432+53.89
 $\Delta = 20^\circ 06' 41''$ (LT)
 $D = 03^\circ 56' 48''$
 $R = 1,451.77'$
 $T = 257.44'$
 $L = 509.59'$
 $E = 22.65'$
 CHORD BEARING
 $S 01^\circ 08' 22'' W$
 P.C. STA. = 429+96.44
 P.T. STA. = 435+06.03

CURVE CO-3E-45
 FAP 328
 P.I. STA. = 442+01.44
 $\Delta = 07^\circ 34' 42''$ (RT)
 $D = 01^\circ 20' 00''$
 $R = 4,297.17'$
 $T = 284.60'$
 $L = 568.37'$
 $E = 9.41'$
 CHORD BEARING
 $S 05^\circ 07' 37'' E$
 P.C. STA. = 439+16.84
 P.C.C. STA. = 444+85.21

CURVE C-1P-45
 FAP 328
 P.I. STA. = 449+71.06
 $\Delta = 00^\circ 30' 43''$ (RT)
 $D = 00^\circ 03' 10''$
 $R = 108,729.08'$
 $T = 485.85'$
 $L = 971.69'$
 $E = 1.09'$
 CHORD BEARING
 $S 01^\circ 04' 55'' E$
 P.C.C. STA. = 444+85.21
 P.T. STA. = 454+56.90

○ - SURVEY MONUMENT
 (AS NOTED)

NOTE:
 BEARINGS ARE REFERENCED TO THE
 ILLINOIS STATE PLANE COORDINATE
 SYSTEM EAST ZONE DATUM OF 1983

TEMPORARY EASEMENTS ARE NEEDED
 AS WORK AREAS

UTILITIES:
 TELEPHONE - WABASH TELEPHONE, FRONTIER,
 & MCI
 GAS - AMEREN/CIPS
 ELECTRICITY - AMEREN/CIPS, CLAY CO. ELECTRIC,
 & MONTROSE MUTUAL
 WATER & SEWER - E.J. WATER
 PIPELINE - MARATHON ASHLAND

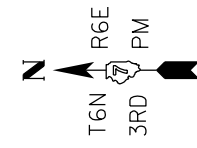
CONTRACT NO. 74723
 JOB NO. R-97-008-01

7108114	JOAN M. AND DONALD M. BRUMLEVE, TRUSTEES	0.643	0.440		40.318													
	TRACT 1	0.327	0.234															
	TRACT 2	0.316	0.206															
7108116	ESTATE OF EUGENE BARTELS, JR.	2.187	3.706		61.169													
7108117	RONALD LEE MACKLIN & JUDITH LEE MACKLIN	1.637	2.275	0.054	61.783													
	TE TRACT 1			0.037														
	TE TRACT 2			0.017														
7108A17	RONALD LEE MACKLIN & JUDITH LEE MACKLIN			0.713														
PARCEL	OWNER	ADD AREA	EXIST. AREA TAKEN	EASEMENT	REM. AREA	INST	MICRO FILM NO RECORDED	DATE	CAB	DRW	AREA SOLD	EXCESS						

NOTE: ALL AREA CALCULATIONS ARE IN ACRES UNLESS OTHERWISE NOTED

RIGHT OF WAY PLANS
FAP ROUTE 328
 PROJECT SECTION 3Y
 STATION 437+00 TO
 STATION 465+00
 COUNTY EFFINGHAM
 SCALE 1" = 100' SHEET 1 OF 2

T6N-R6E 3rd PM EFFINGHAM COUNTY

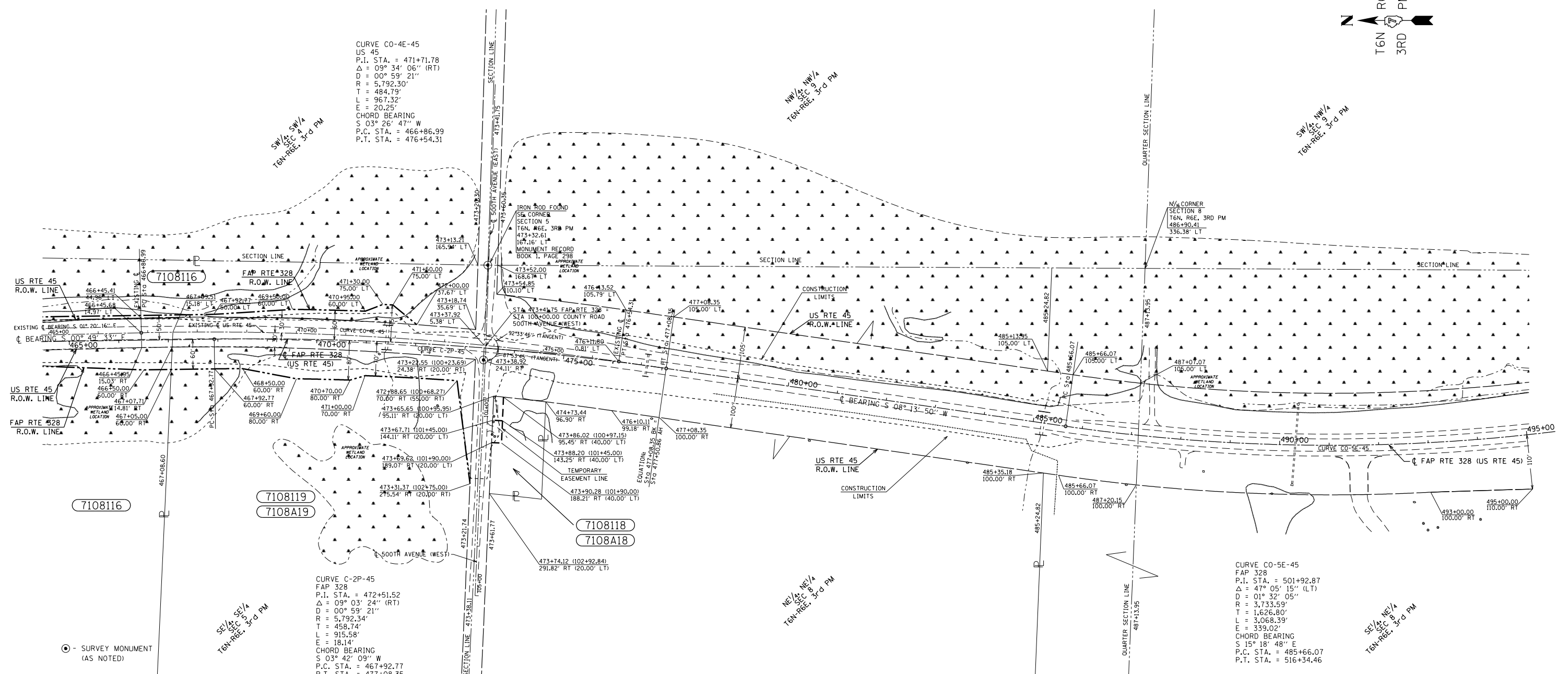


CURVE CO-4E-45
 US 45
 P.I. STA. = 471+71.78
 $\Delta = 09^\circ 34' 06''$ (RT)
 $D = 00^\circ 59' 21''$
 $R = 5,792.30'$
 $T = 484.79'$
 $L = 967.32'$
 $E = 20.25'$
 CHORD BEARING
 $S 03^\circ 26' 47''$ W
 P.C. STA. = 466+86.99
 P.T. STA. = 476+54.31

SW 1/4 SW 1/4
 SEC 9
 T6N-R6E, 3rd PM

NW 1/4 NW 1/4
 SEC 9
 T6N-R6E, 3rd PM

SW 1/4 NW 1/4
 SEC 9
 T6N-R6E, 3rd PM



CURVE C-2P-45
 FAP 328
 P.I. STA. = 472+51.52
 $\Delta = 09^\circ 03' 24''$ (RT)
 $D = 00^\circ 59' 21''$
 $R = 5,792.34'$
 $T = 458.74'$
 $L = 915.58'$
 $E = 18.14'$
 CHORD BEARING
 $S 03^\circ 42' 09''$ W
 P.C. STA. = 467+92.77
 P.T. STA. = 477+08.35

CURVE CO-5E-45
 FAP 328
 P.I. STA. = 501+92.87
 $\Delta = 47^\circ 05' 15''$ (LT)
 $D = 01^\circ 32' 05''$
 $R = 3,733.59'$
 $T = 1,626.80'$
 $L = 3,068.39'$
 $E = 339.02'$
 CHORD BEARING
 $S 15^\circ 18' 48''$ E
 P.C. STA. = 485+66.07
 P.T. STA. = 516+34.46

⊙ - SURVEY MONUMENT
 (AS NOTED)

NOTE:
 BEARINGS ARE REFERENCED TO THE
 ILLINOIS STATE PLANE COORDINATE
 SYSTEM EAST ZONE DATUM OF 1983
 TEMPORARY EASEMENTS ARE NEEDED
 AS WORK AREAS

UTILITIES:
 TELEPHONE - WABASH TELEPHONE, FRONTIER,
 & MCI
 GAS - AMEREN/CIPS
 ELECTRICITY - AMEREN/CIPS, CLAY CO. ELECTRIC,
 & MONTRÖSE MUTUAL
 WATER & SEWER - E.J. WATER
 PIPELINE - MARATHON ASHLAND

PARCEL	OWNER	ADD. AREA	EXIST. TAKEN	EASEMENT	REM. AREA	INST	MICRO FILM NO. RECORDED	DATE	CAB	DRW	AREA	SOLD	EXCESS
7108116	ESTATE OF EUGENE BARTELS, JR.	2.187	3.706		61.169								
7108118	JERRY L. & SUSAN A. HENKELMAN			0.021									
7108A18	JERRY L. & SUSAN A. HENKELMAN			0.022									
7108119	KEVIN F. & REBECCA J. WILLIAMS	0.786			9.206								
7108A19	KEVIN F. & REBECCA J. WILLIAMS	0.083	0.092		9.031								

NOTE: ALL AREA CALCULATIONS ARE IN ACRES UNLESS OTHERWISE NOTED

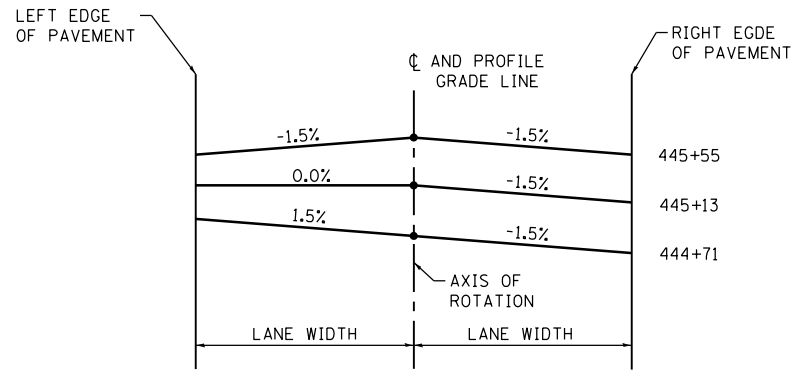
LIST OF IRON PINS PIPES OR MONUMENTS TO BE PROTECTED

STATION	PIPES	OR MONUMENTS TO BE PROTECTED	OFFSET	LABEL
473+38.92			24.11' RT	PIN
473+42.94			23.93' RT	PIN

RIGHT OF WAY PLANS
 FAP ROUTE 328
 PROJECT SECTION 3Y
 STATION 465+00 TO
 STATION 495+00
 COUNTY EFFINGHAM
 SCALE 1" = 100' SHEET 2 OF 2

BY	DATE	R.O.W. PLAT	NOTEBOOK NO.
JAG	06/09/05		

CONTRACT NO. 74723
 JOB NO. R-97-008-01



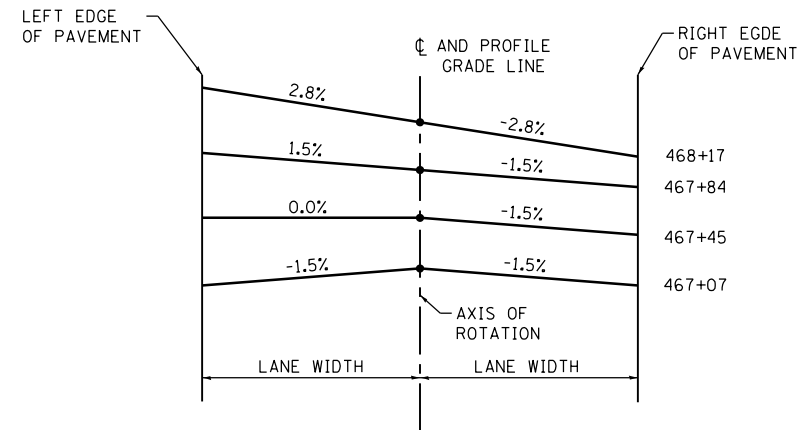
TRANSITION DETAIL 1

SEE PLAN AND PROFILE SHEETS FOR INDIVIDUAL CURVE DATA AND SUPERELEVATION DETAILS

TRANSITION TABLE

FOR TRANSITION
DETAIL 1

Station	LEFT Cross Slope (%)	RIGHT Cross Slope (%)
444+71	1.50	-1.50
444+80	1.18	-1.50
444+90	0.82	-1.50
445+00	0.46	-1.50
445+10	0.11	-1.50
445+13	0.00	-1.50
445+20	-0.25	-1.50
445+30	-0.61	-1.50
445+40	-0.96	-1.50
445+50	-1.32	-1.50
445+55	-1.50	-1.50



TRANSITION DETAIL 2

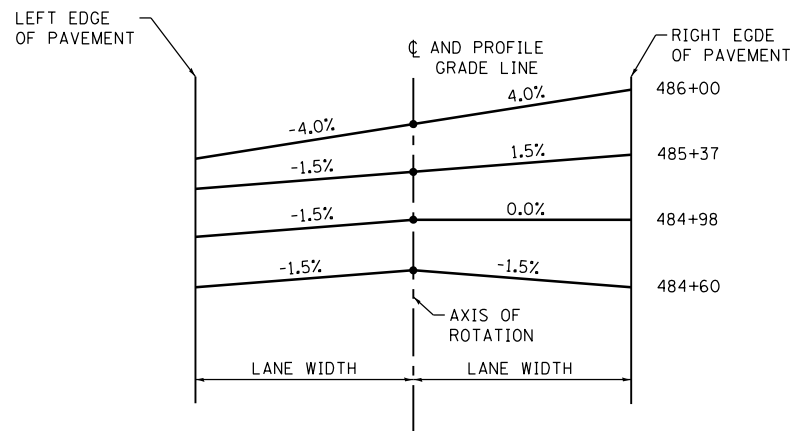
SEE PLAN AND PROFILE SHEETS FOR CURVE DATA

TRANSITION TABLE

FOR TRANSITION
DETAILS 2 AND 3

Station	LEFT Cross Slope (%)	RIGHT Cross Slope (%)
467+07	-1.50	-1.50
467+10	-1.38	-1.50
467+20	-0.99	-1.50
467+30	-0.59	-1.50
467+40	-0.20	-1.50
467+45	0.00	-1.50
467+50	0.19	-1.50
467+60	0.58	-1.50
467+70	0.97	-1.50
467+80	1.36	-1.50
467+90	1.74	-1.74
468+00	2.13	-2.13
468+10	2.52	-2.52
468+17	2.80	-2.80
476+84	2.80	-2.80
476+90	2.57	-2.57
477+00	2.18	-2.18
477+08.35	1.87	-1.87
STATION EQUATION - 477+08.35 (BK) = 477+50.86 (AH)		
477+50.86	1.87	-1.87
477+53	1.79	-1.79
477+63	1.40	-1.50
477+73	1.01	-1.50
477+83	0.62	-1.50
477+93	0.23	-1.50
477+99	0.00	-1.50
478+03	-0.16	-1.50
478+13	-0.55	-1.50
478+23	-0.95	-1.50
478+33	-1.34	-1.50
478+37	-1.50	-1.50

CURVE PI STA 442+01.44



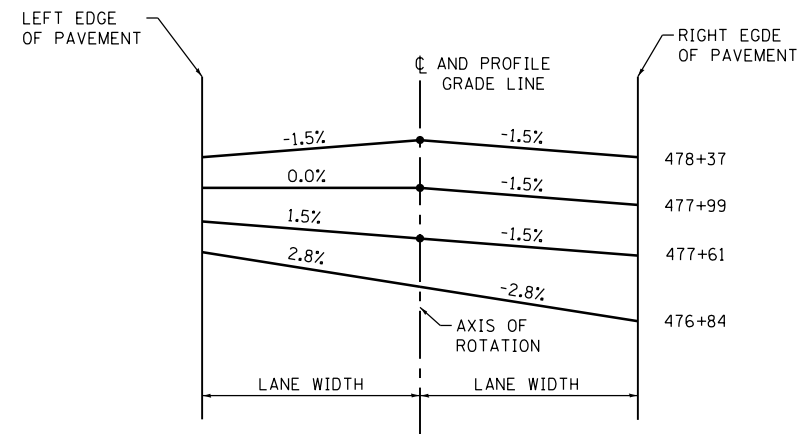
TRANSITION DETAIL 4

SEE PLAN AND PROFILE SHEETS FOR CURVE DATA

TRANSITION TABLE

FOR TRANSITION
DETAIL 4

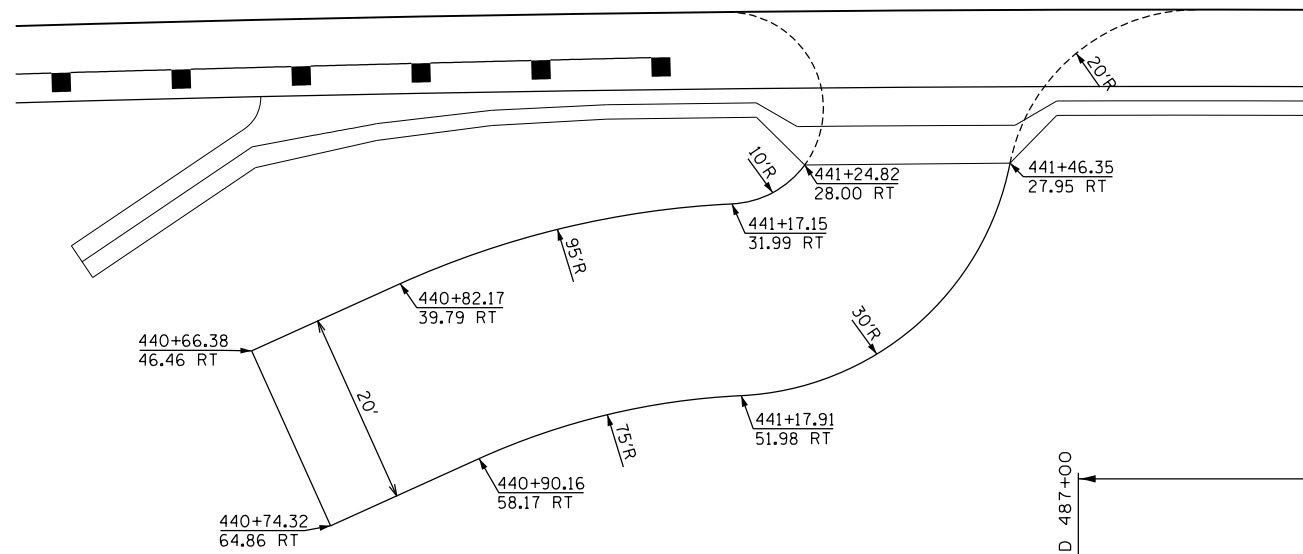
Station	LEFT Cross Slope (%)	RIGHT Cross Slope (%)
484+60	-1.50	-1.50
484+70	-1.50	-1.11
484+80	-1.50	-0.71
484+90	-1.50	-0.32
485+00	-1.50	-0.08
485+10	-1.50	0.47
485+20	-1.50	0.86
485+30	-1.50	1.25
485+40	-1.65	1.65
485+50	-2.04	2.04
485+60	-2.43	2.43
485+70	-2.82	2.82
485+80	-3.21	3.21
485+90	-3.61	3.61
486+00	-4.00	4.00



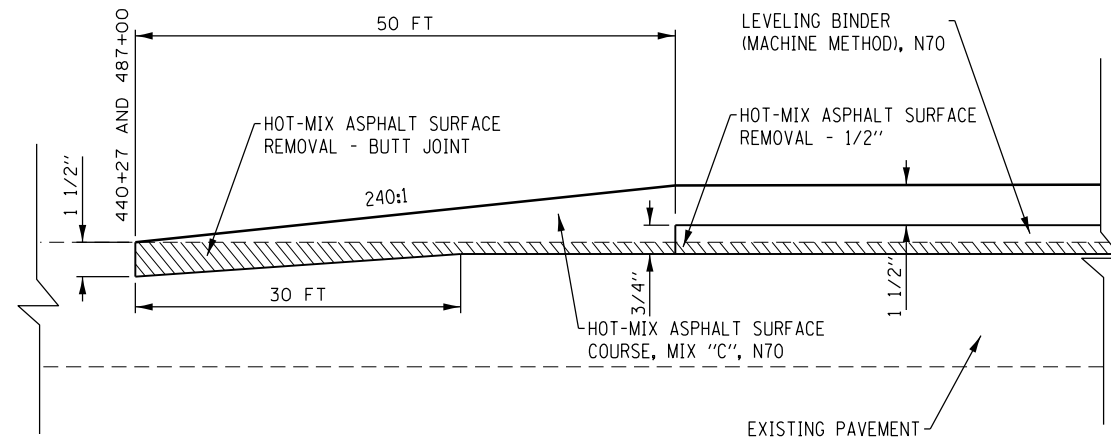
TRANSITION DETAIL 3

SEE PLAN AND PROFILE SHEETS FOR INDIVIDUAL CURVE DATA AND SUPERELEVATION DETAILS

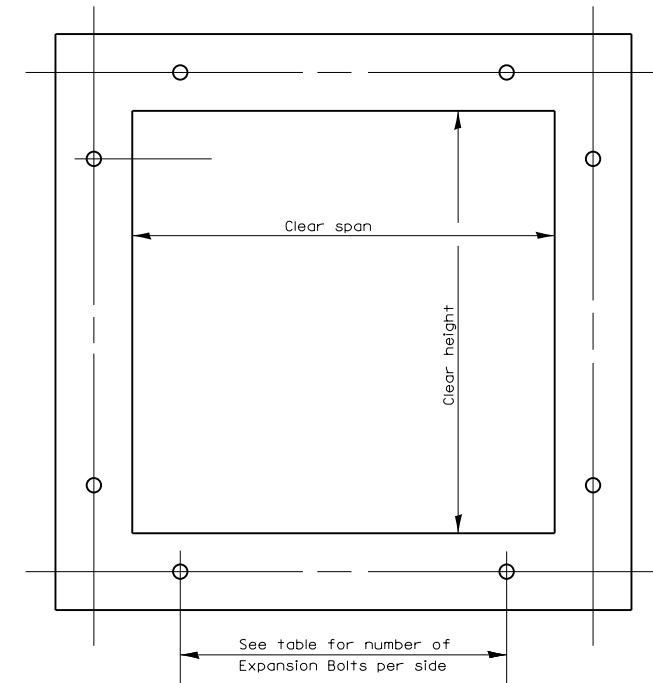
CURVE - PI STA 472+51.52



FIELD ENTRANCE RT STA 441+36 DETAILS



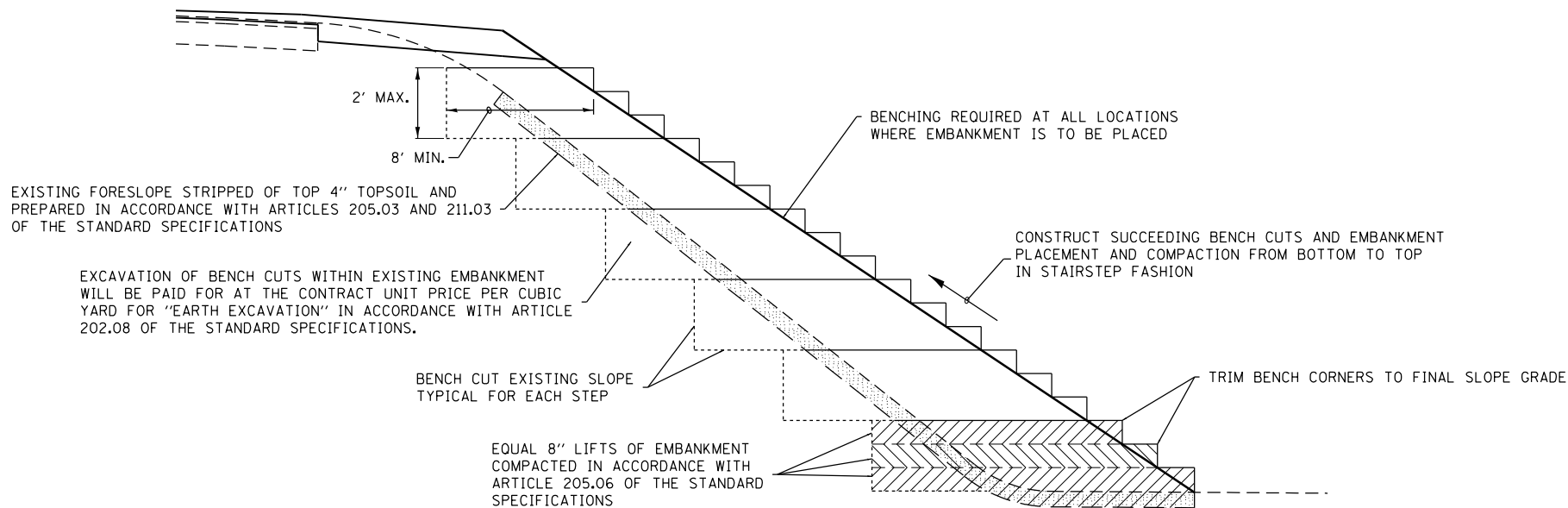
BUTT JOINT DETAIL
(NOT TO SCALE)



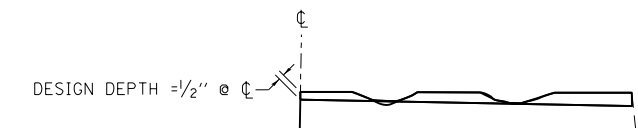
CROSS SECTION THRU BARREL

Clear Span or Clear Height	No. of 3/4" Exp. Bolts per side			
	Extension ≤ 15'		Extension > 15'	
	No.	Spacing	No.	Spacing
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"

Note: Expansion bolts shall be 3/4" hooked bolts and shall extend a minimum of 9" into new concrete.



TYPICAL BENCHING FOR EMBANKMENTS DETAIL
(NOT TO SCALE)



HMA SURFACE REMOVAL, 1/2" DETAIL

NOTES:

- MILLING SHALL BE DONE TO ATTAIN A 3/6" SLOPE IN CROWN SECTIONS
- EXISTING S.E. AND S.E. TRANSITIONS SHALL BE MAINTAINED UNLESS OTHERWISE SHOWN ON THE PLANS.
- MILLING TO THE BOTTOM OF WHEEL RUTS SHALL NOT BE NECESSARY UNLESS REQUIRED TO OBTAIN SLOPE OR THE DESIGN DEPTH AT CENTERLINE.
- THE AVERAGE DEPTH OF MILLING IS ESTIMATED TO BE 1/2" BUT MAY VARY IN ISOLATED LOCATIONS.

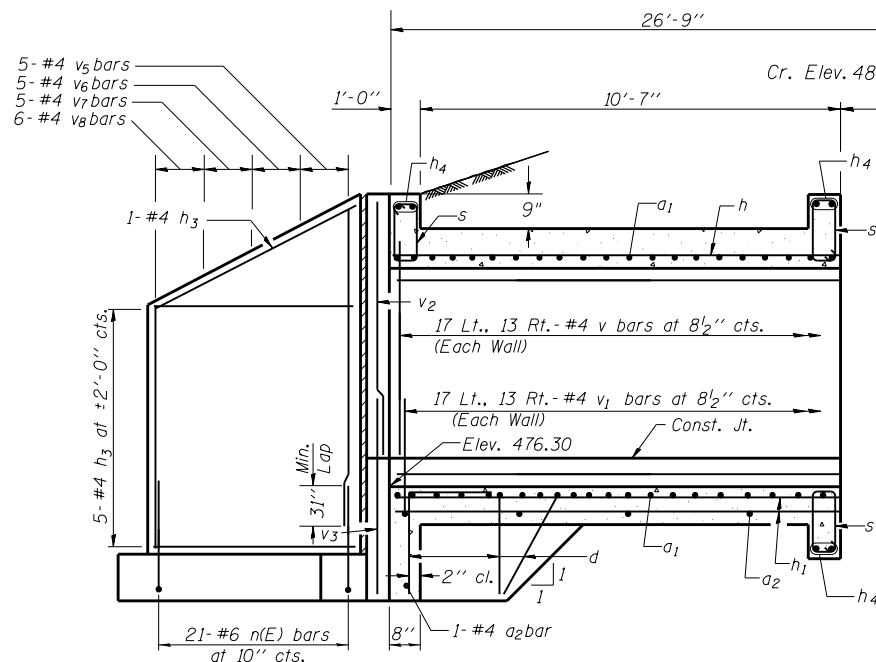
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Default	PLOT DATE = 10/18/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS

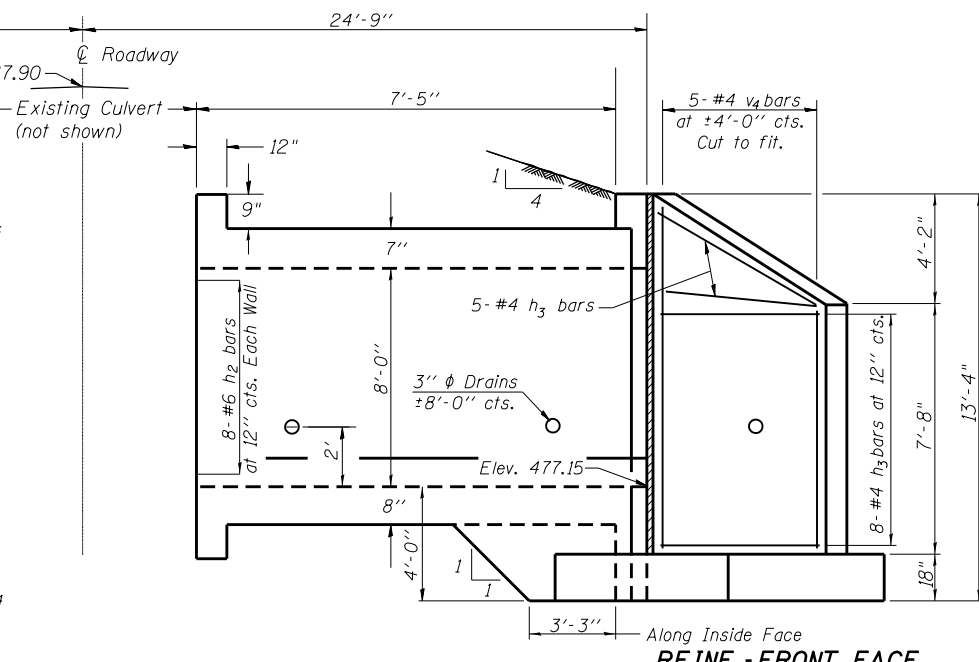
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
328A	3Y	EFFINGHAM	62	25
CONTRACT NO. 74723			ILLINOIS FED. AID PROJECT	



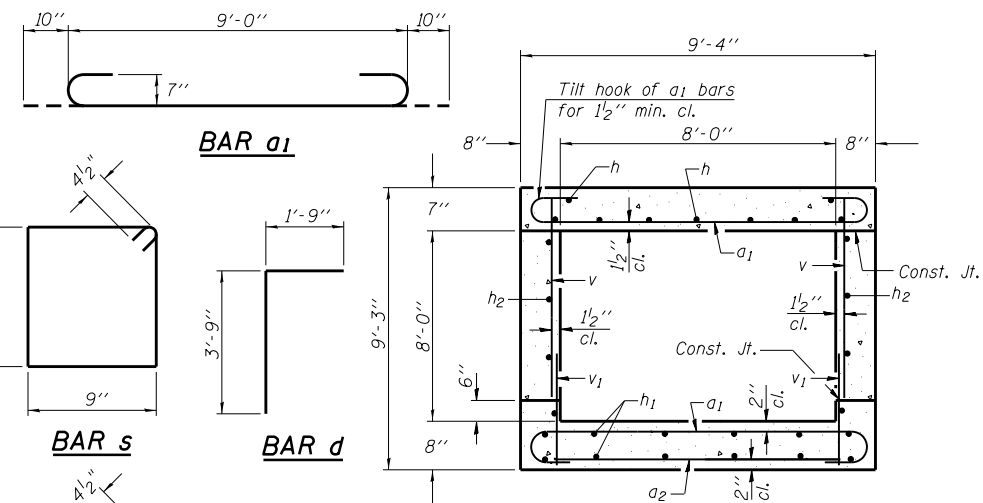
HALF LONG. SECTION

REINF.-BACK FACE



HALF ELEVATION

REINF.-FRONT FACE



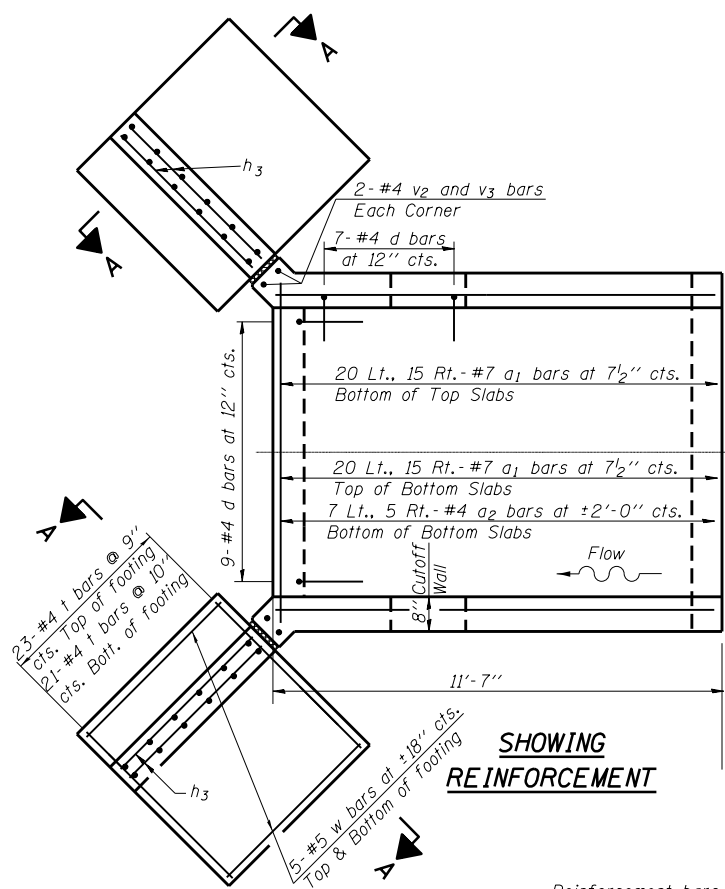
SECTION THRU BARREL

DESIGN STRESSES

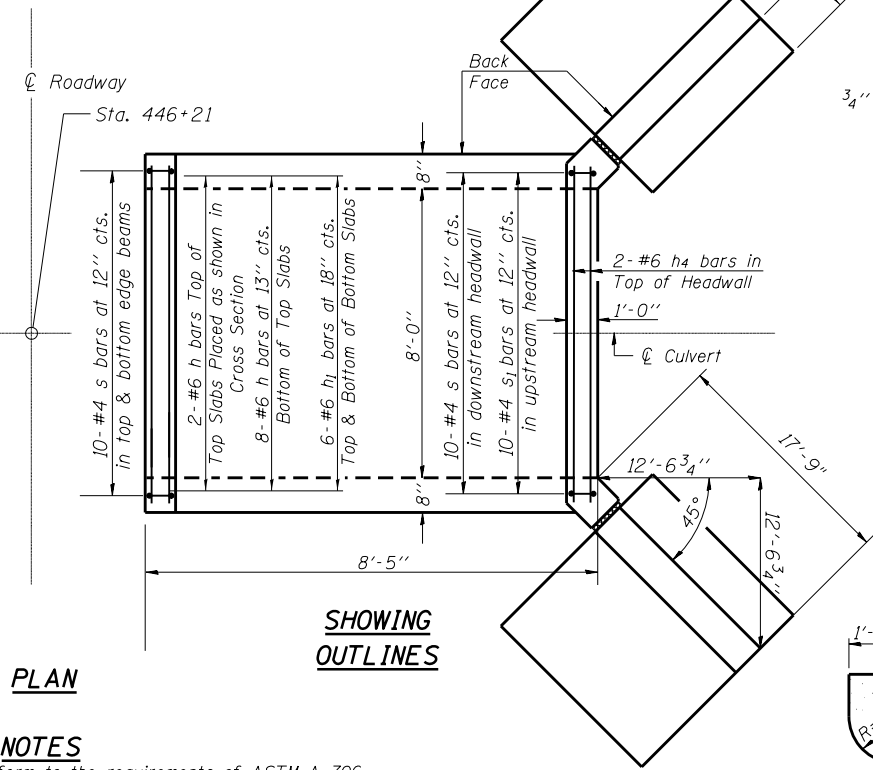
fy = 60,000 psi
f'c = 3,500 psi

Max. Soil Pressure under footing = 2680 psf

LOADING HS 20-44 & ALT.



SHOWING REINFORCEMENT

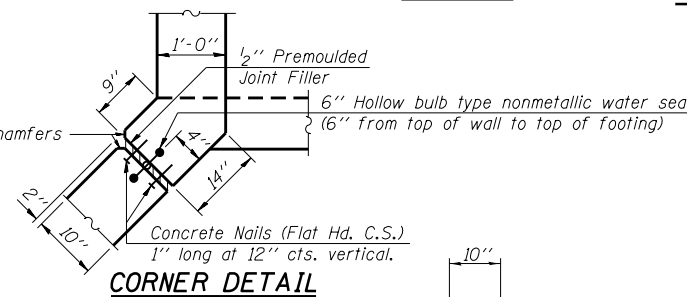


SHOWING OUTLINES

PLAN

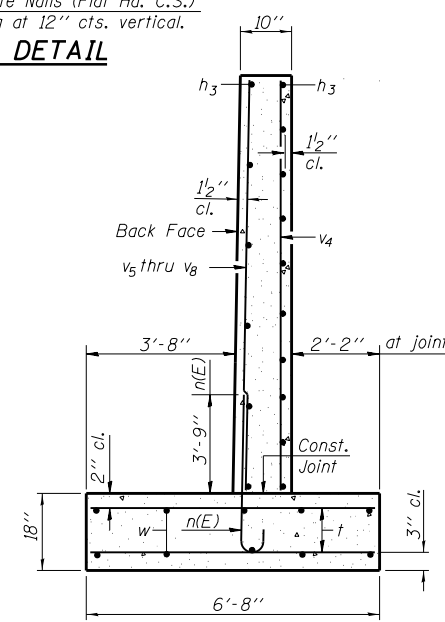
NOTES

Reinforcement bars shall conform to the requirements of ASTM A 706 Grade 60.
The length given for bars h, h1 & h2 is sufficient for both of the extensions. Cut in field to fit each extension.
Reinforcement bars designated (E) shall be epoxy coated.
Precast option is not allowed.



CORNER DETAIL

SECTION THRU HEADWALL
(Up Stream End Only)



SECTION A-A

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1	70	#7	10'-8"	
a2	14	#4	9'-0"	
d	46	#4	5'-6"	
h	10	#6	19'-4"	
h1	12	#5	19'-4"	
h2	16	#6	19'-4"	
h3	76	#4	16'-8"	
h4	12	#6	8'-2"	
n(E)	84	#6	5'-7"	
s	50	#4	4'-5"	
s1	10	#4	4'-3"	
t	176	#4	6'-5"	
v	60	#4	7'-11"	
v1	60	#4	2'-2"	
v2	8	#4	8'-8"	
v3	8	#4	5'-6"	
v4	20	#4	11'-8"	
v5	20	#4	10'-6"	
v6	20	#4	9'-6"	
v7	20	#4	8'-6"	
v8	24	#4	7'-6"	
w	40	#5	16'-8"	
Concrete Box Culverts		Cu. Yd.	68.0	
Reinforcement Bars, Epoxy Coated		Pound	704	
Reinforcement Bars		Pound	6530	

SSB-T2-0

7-1-10

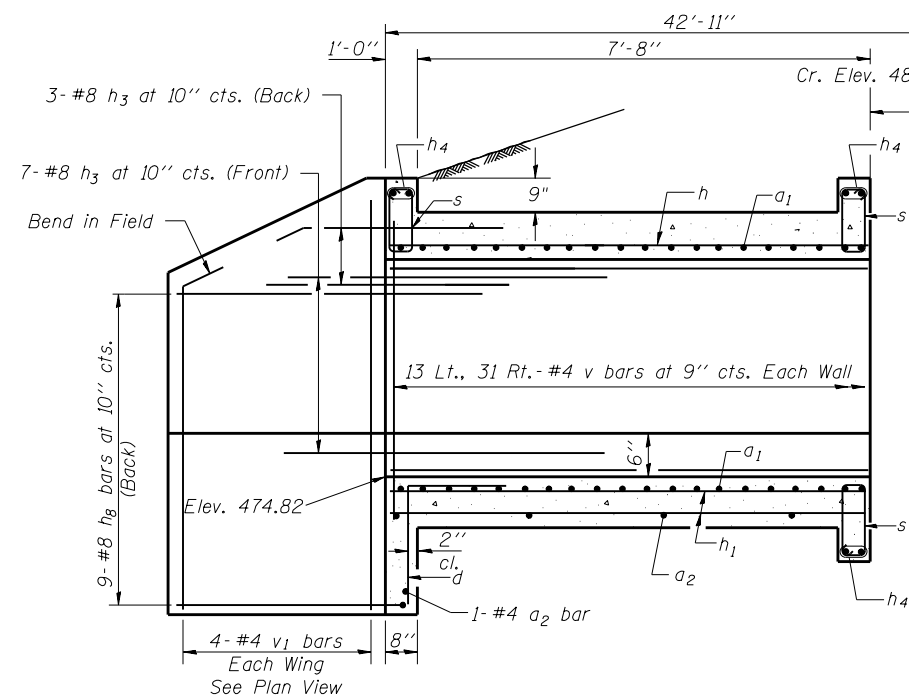
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Default	PLOT DATE = 10/18/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

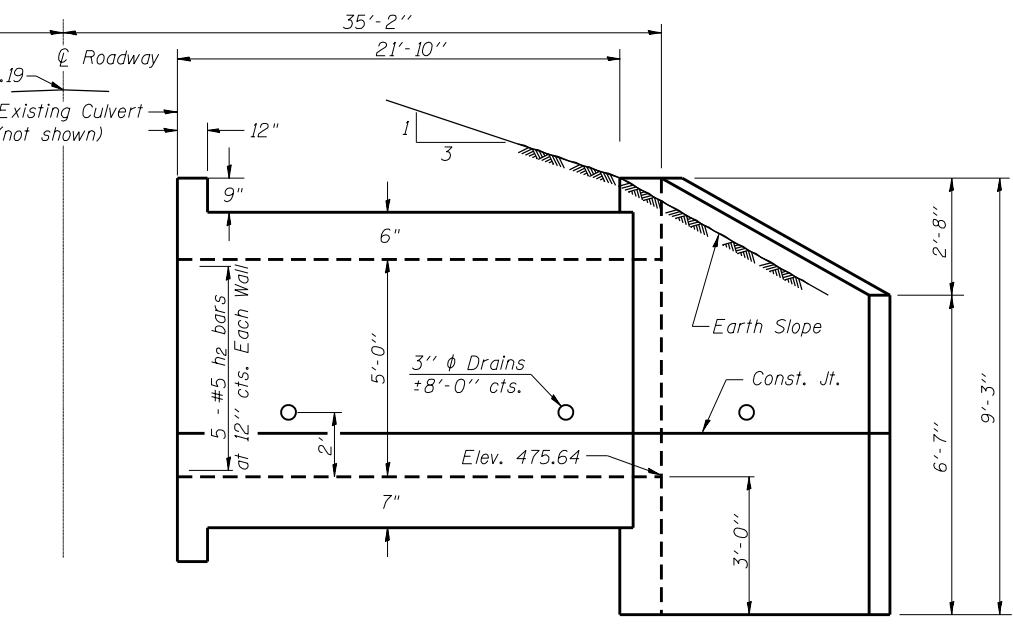
CULVERT EXTENSIONS
STATION 446 + 21 S.N. 025-8640

SCALE: SHEET OF SHEETS STA. TO STA.

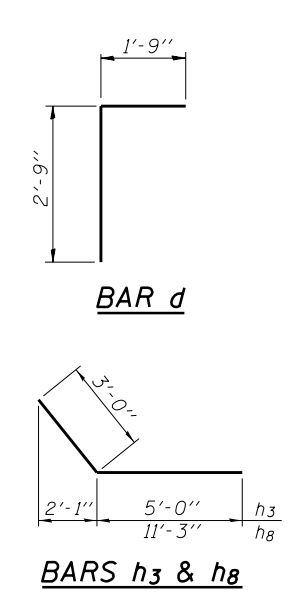
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
328A	3Y	Effingham	62	26
CONTRACT NO. 74723				
ILLINOIS FED. AID PROJECT				



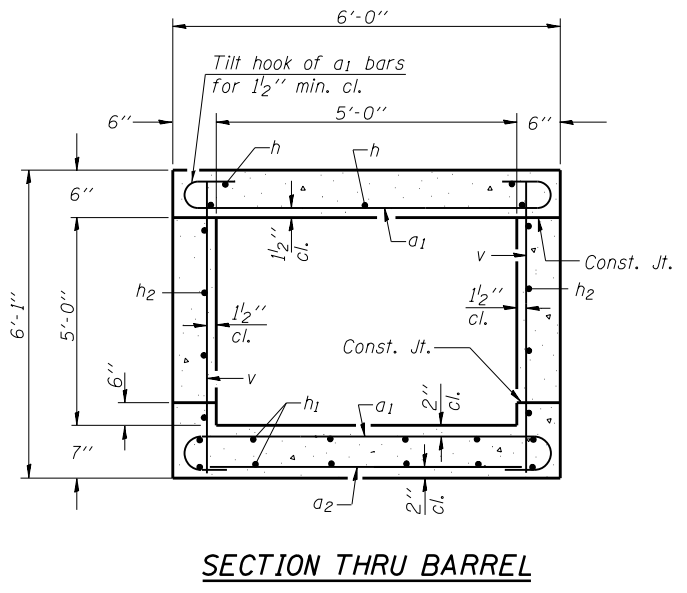
HALF LONG. SECTION



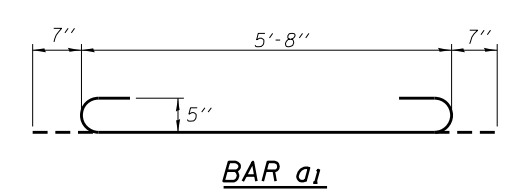
HALF ELEVATION



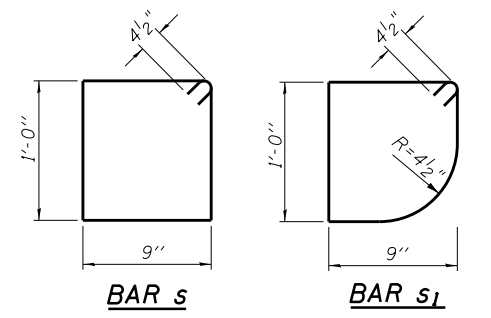
BARS h3 & h8



SECTION THRU BARREL

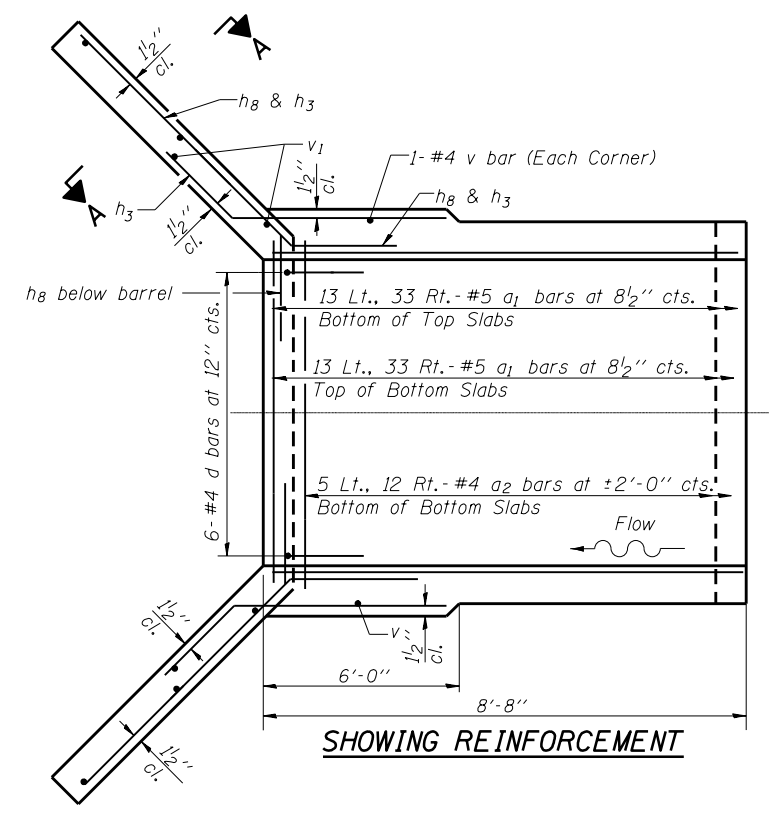


BAR a1

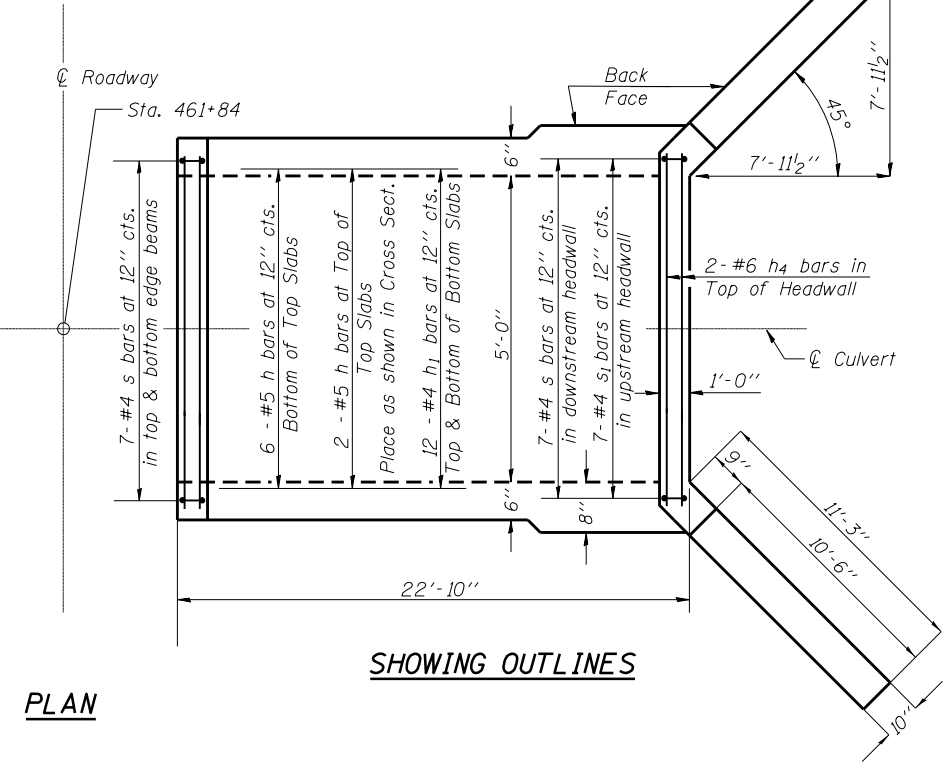


BAR s

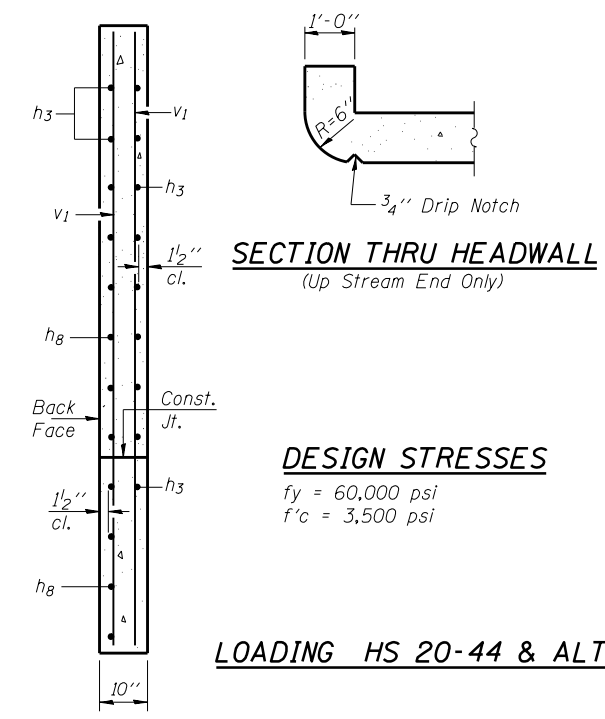
BAR s1



SHOWING REINFORCEMENT



SHOWING OUTLINES



SECTION THRU HEADWALL (Up Stream End Only)

DESIGN STRESSES

LOADING HS 20-44 & ALT.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
a1	92	#5	6'-10"	U	
a2	19	#4	5'-8"	—	
d	12	#4	4'-6"	L	
h	8	#5	30'-10"	—	
h1	12	#4	30'-10"	—	
h2	10	#5	30'-10"	—	
h3	40	#8	8'-0"	—	
h4	12	#6	5'-2"	—	
h8	36	#8	14'-3"	—	
s	35	#4	4'-3"	□	
s1	7	#4	4'-1"	□	
v	92	#4	5'-9"	—	
v1	16	#4	8'-11"	—	
				Concrete Box Culverts	Cu. Yd. 26.8
				Reinforcement Bars	Pound 4473

NOTES

A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
 Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.
 Bars indicated thus 12 x 4-#5 etc. indicates 12 lines of bars with 4 lengths per line.
 Precast option is not allowed.
 The length given for bars h, h1 & h2 are sufficient for both of the extensions. Cut in field to fit each extension.

SSB-H-0 7-1-10

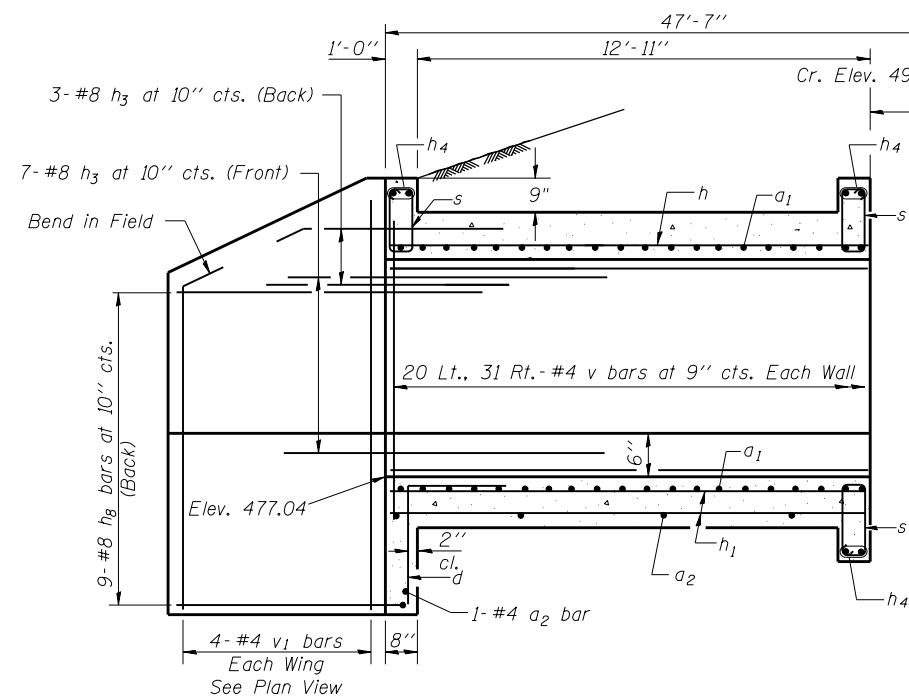
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Default	PLOT DATE = 10/18/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

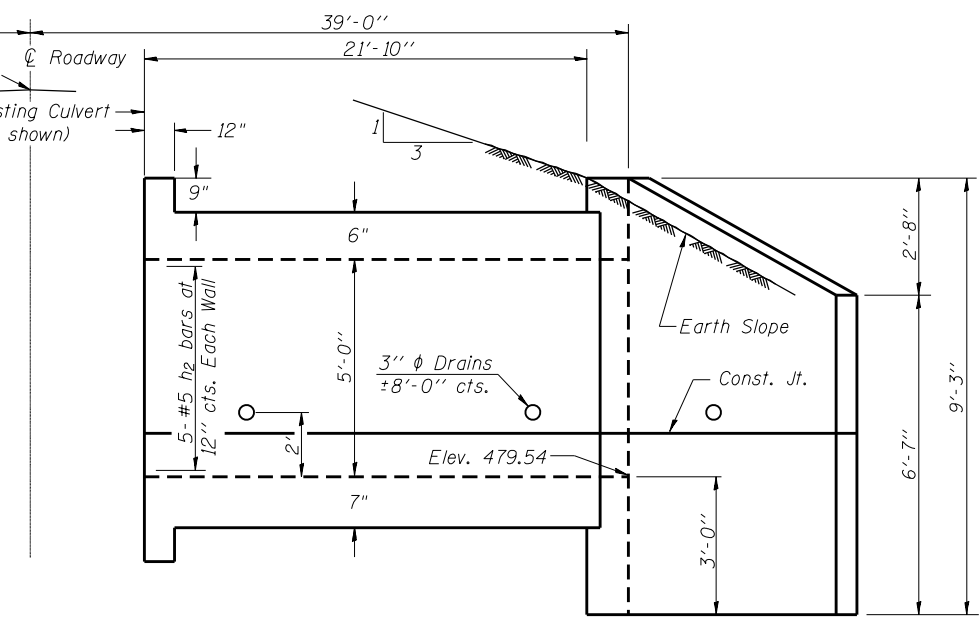
**CULVERT EXTENSIONS
STATION 461 + 84**

SCALE: SHEET OF SHEETS STA. TO STA.

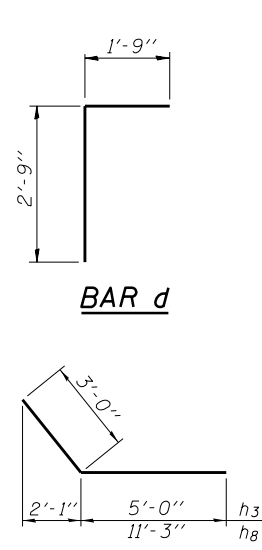
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
328A	3Y	Effingham	62	27
				CONTRACT NO. 74723
ILLINOIS FED. AID PROJECT				



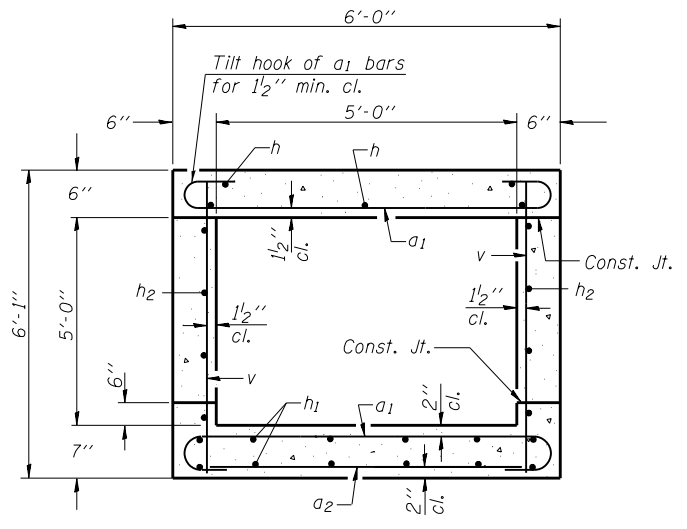
HALF LONG. SECTION



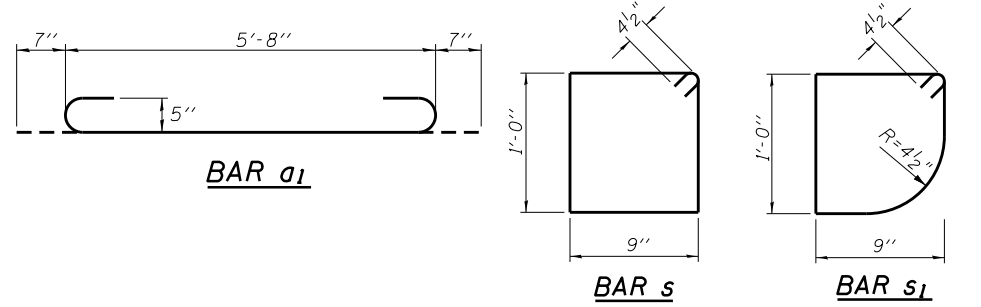
HALF ELEVATION



BARS h3 & h8



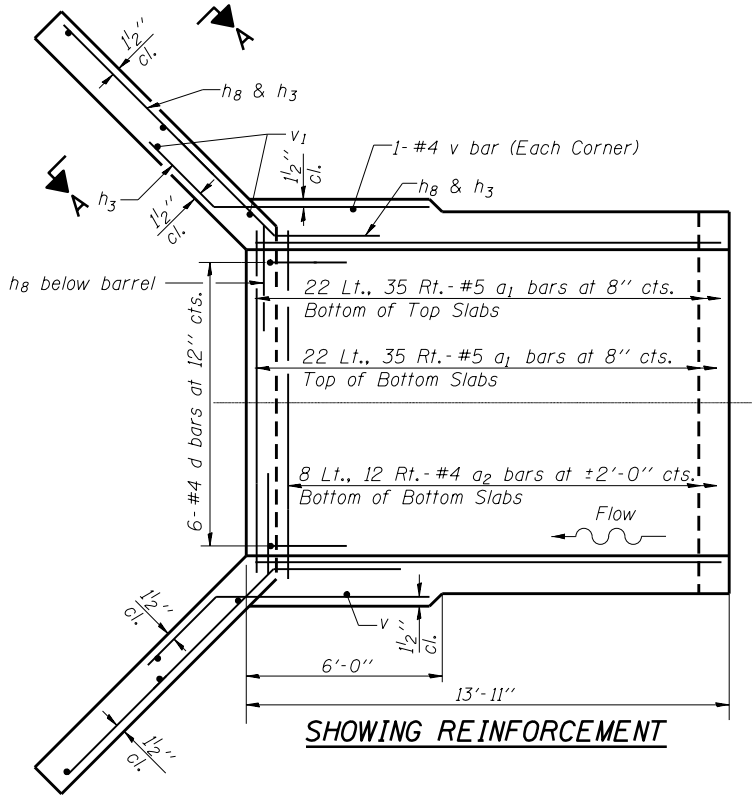
SECTION THRU BARREL



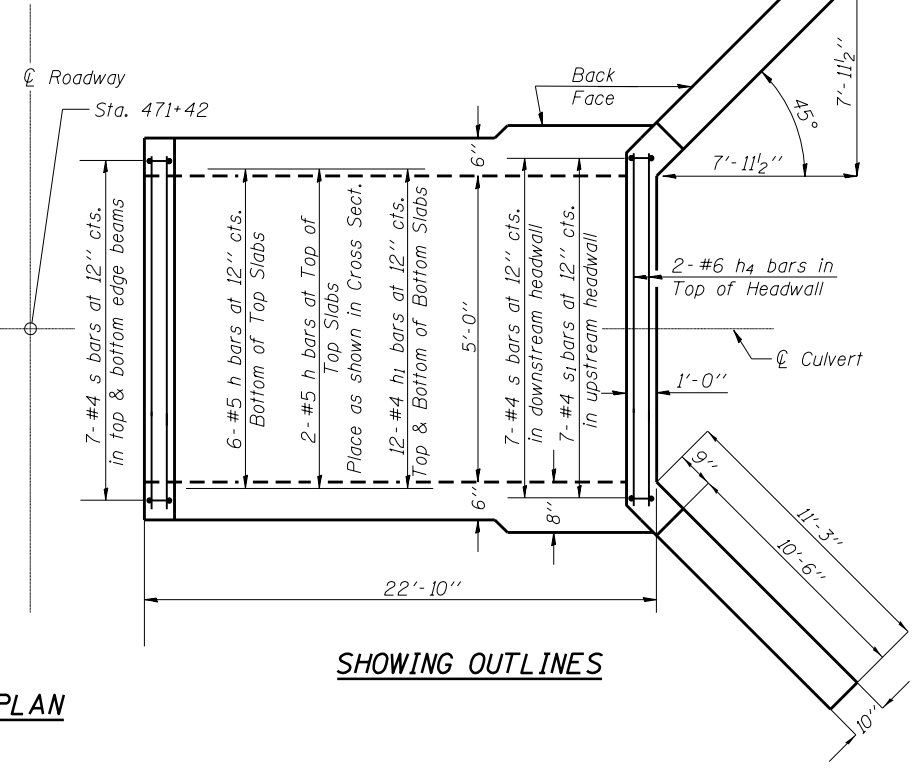
BAR a1

BAR s

BAR s1



SHOWING REINFORCEMENT

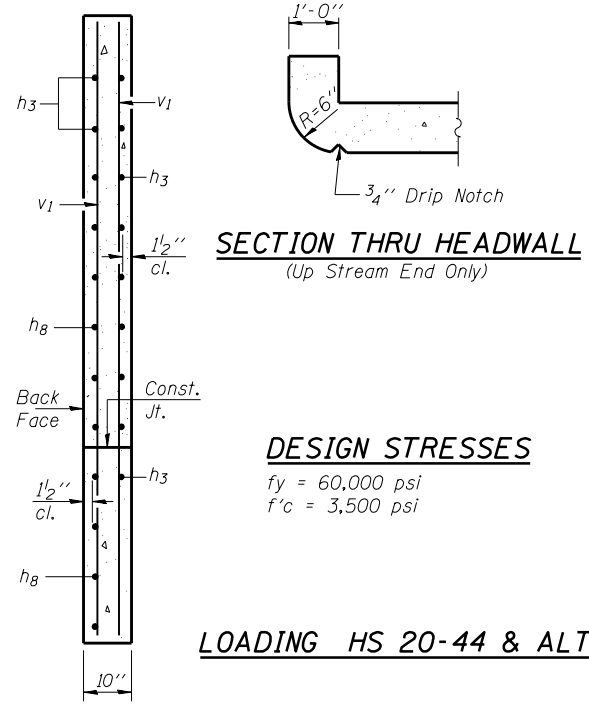


SHOWING OUTLINES

PLAN

NOTES

A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
 Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.
 Lengths of h, h1 and h2 bars are sufficient for both extensions. Cut to fit each extension.
 Precast option is not allowed.



SECTION THRU HEADWALL
(Up Stream End Only)

DESIGN STRESSES

$f_y = 60,000 \text{ psi}$
 $f'_c = 3,500 \text{ psi}$

LOADING HS 20-44 & ALT.

SECTION A-A

BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
a1	114	#5	6'-10"	C	
a2	22	#4	5'-8"	—	
d	12	#4	4'-6"	L	
h	8	#5	36'-1"	—	
h1	12	#4	36'-1"	—	
h2	10	#5	36'-1"	—	
h3	40	#8	8'-0"	—	
h4	12	#6	5'-2"	—	
h8	36	#8	14'-3"	—	
s	35	#4	4'-3"	D	
s1	7	#4	4'-1"	D	
v	106	#4	5'-9"	—	
v1	16	#4	8'-11"	—	
Concrete Box Culverts				Cu. Yd.	29.0
Reinforcement Bars				Pound	4834

SSB-H-0 7-1-10

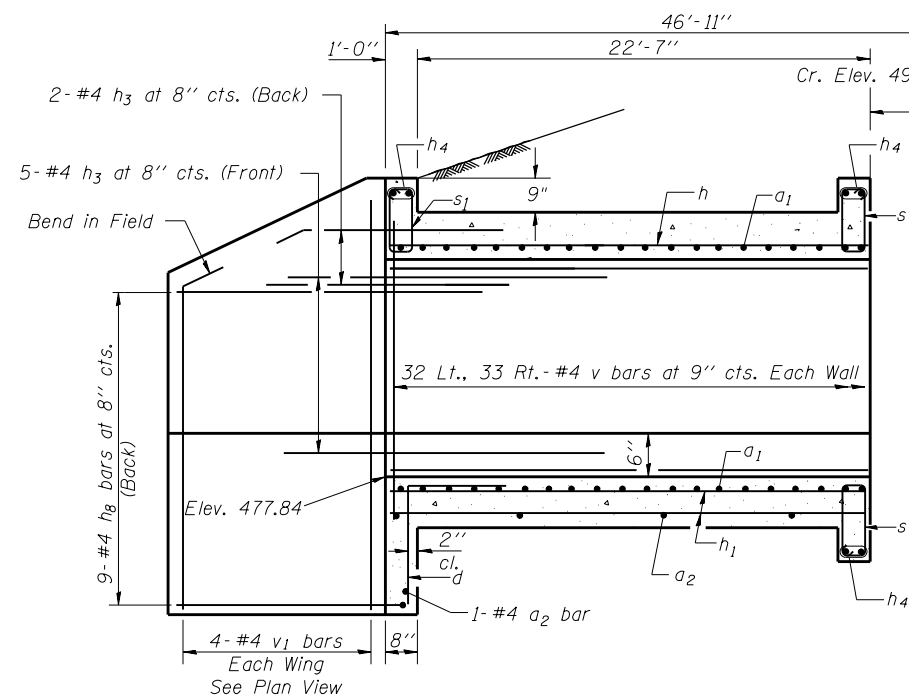
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Default	PLOT DATE = 10/18/2017	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

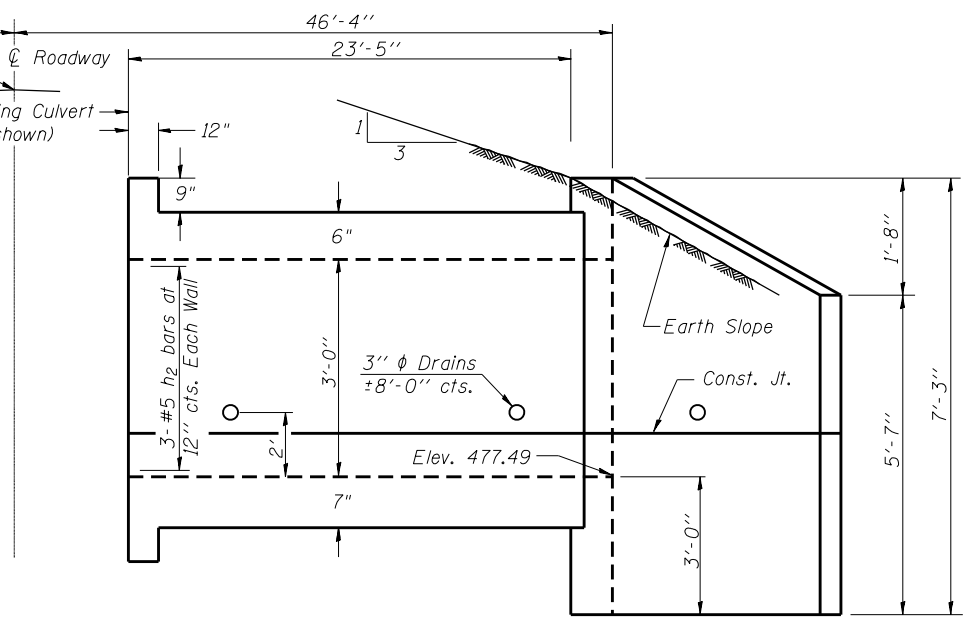
CULVERT EXTENSIONS
STATION 471 + 42

SCALE: SHEET OF SHEETS STA. TO STA.

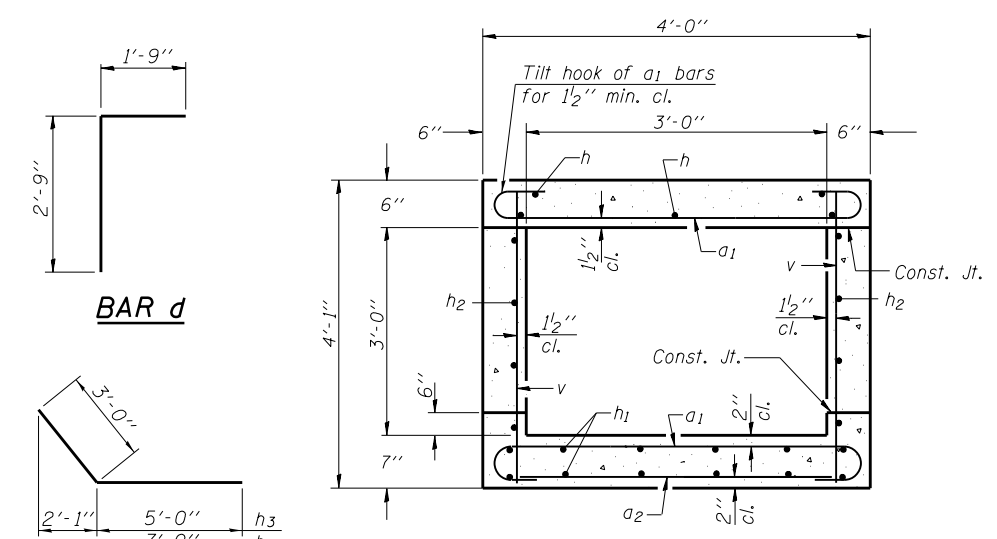
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
328A	3Y	Effingham	62	28
CONTRACT NO. 74723				
ILLINOIS FED. AID PROJECT				



HALF LONG. SECTION



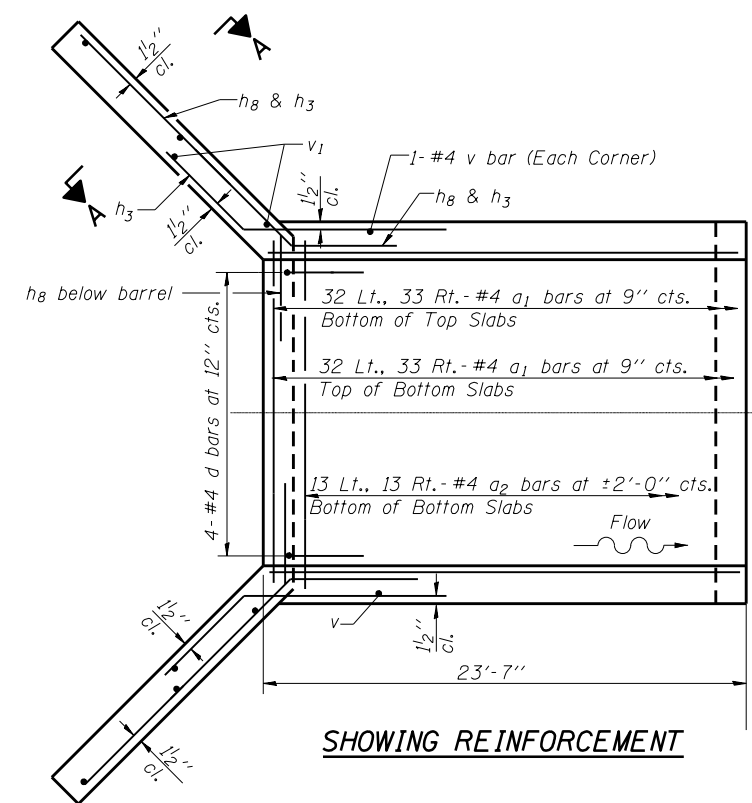
HALF ELEVATION



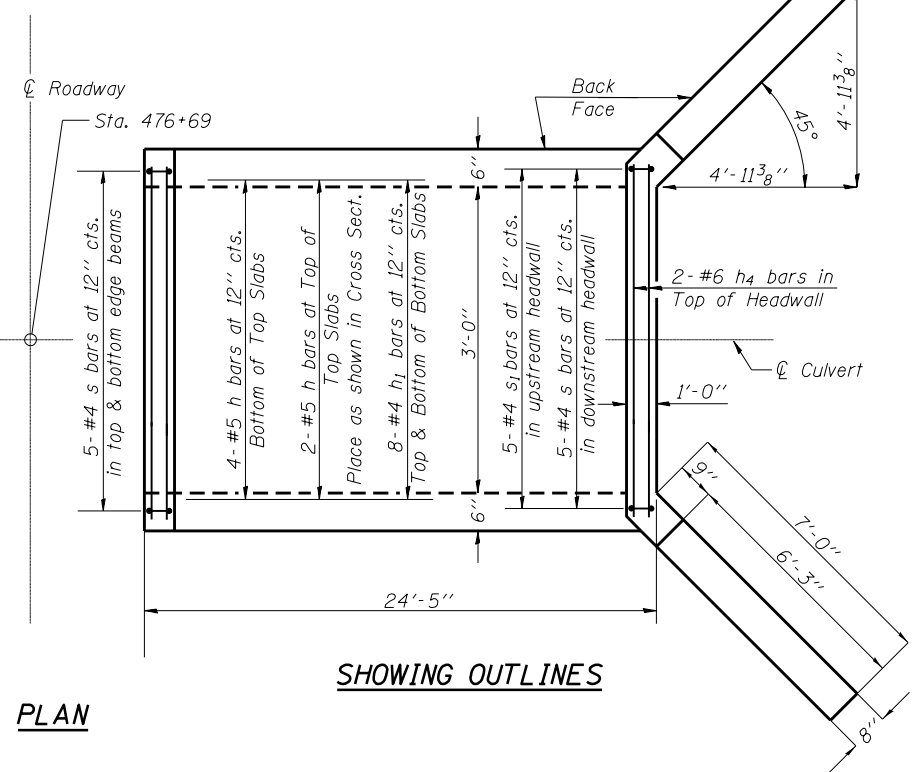
BAR d

BARS h3 & h8

SECTION THRU BARREL



SHOWING REINFORCEMENT

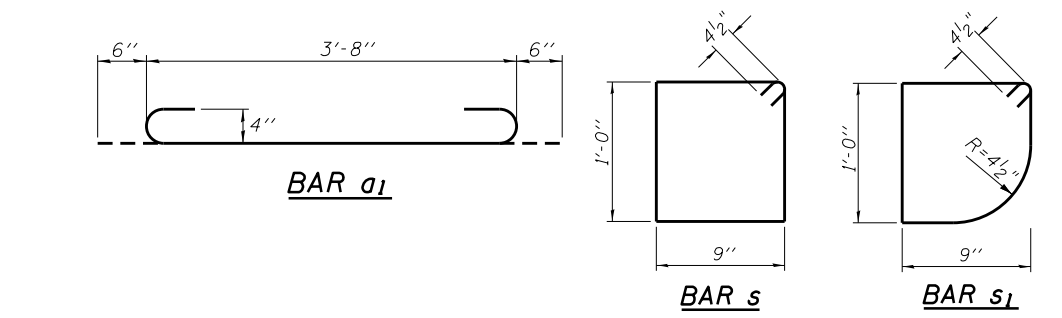


SHOWING OUTLINES

PLAN

NOTES

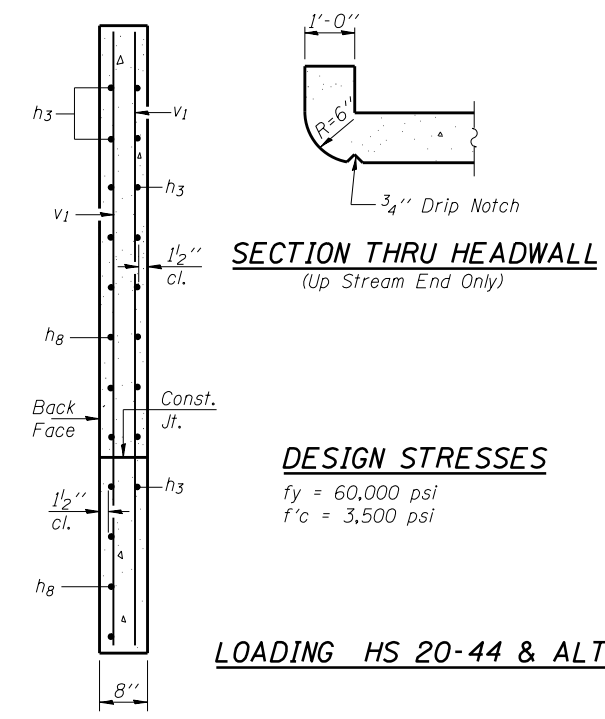
A distance of half the length of the wingwall but not less than six feet of the barrel shall be poured monolithically with the wingwalls.
 Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.
 Trim h, h1, and h2, bars in field to fit shorter extension.
 Precast option is not allowed.



BAR a1

BAR s

BAR sL



SECTION THRU HEADWALL
(Up Stream End Only)

DESIGN STRESSES

$f_y = 60,000 \text{ psi}$
 $f'_c = 3,500 \text{ psi}$

LOADING HS 20-44 & ALT.

SECTION A-A

BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
a1	130	#4	4'-8"		
a2	28	#4	3'-8"		
d	8	#4	4'-6"		
h	12	#5	24'-1"		
h1	16	#4	24'-1"		
h2	12	#5	24'-1"		
h3	28	#4	8'-0"		
h4	12	#6	3'-2"		
h8	36	#4	10'-0"		
s	25	#4	4'-3"		
s1	5	#4	4'-1"		
v	134	#4	3'-9"		
v1	16	#4	6'-11"		
Concrete Box Culverts				Cu. Yd.	18.5
Reinforcement Bars				Pound	2299

SSB-H-0 7-1-10

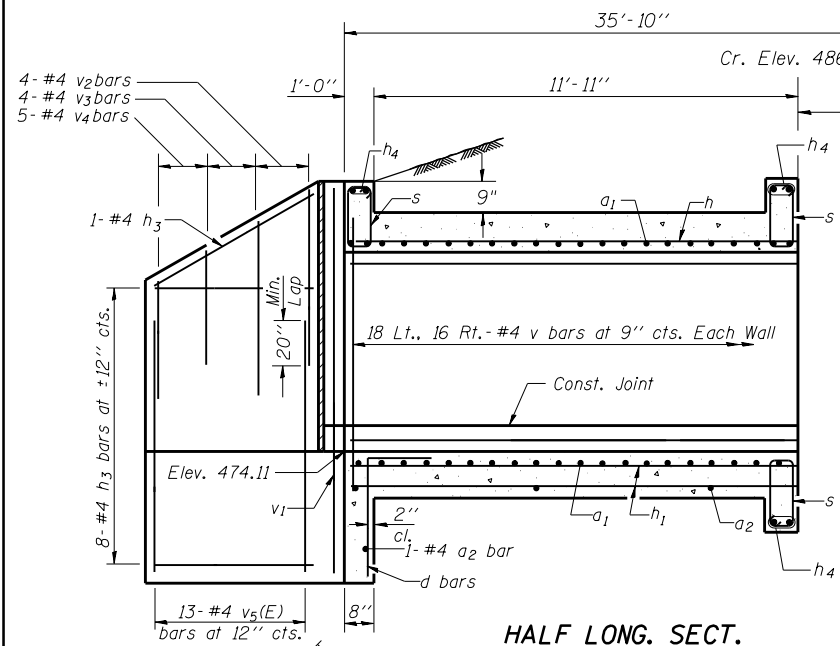
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

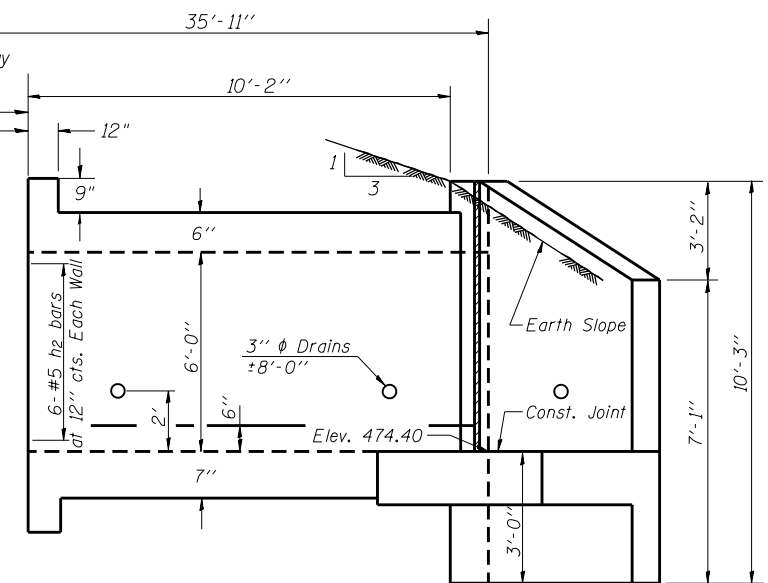
CULVERT EXTENSIONS
STATION 476 + 69

SCALE: SHEET OF SHEETS STA. TO STA.

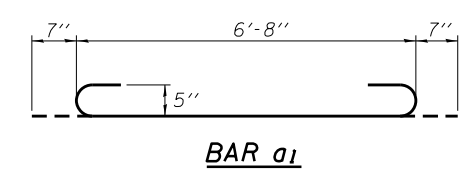
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
328A	3Y	Effingham	62	29
				CONTRACT NO. 74723
ILLINOIS FED. AID PROJECT				



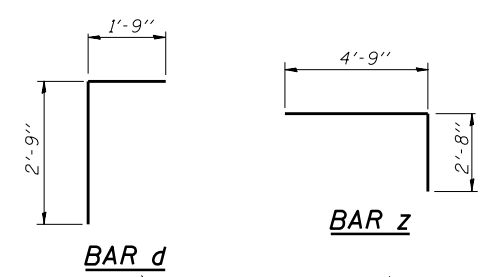
HALF LONG. SECT.



HALF ELEVATION

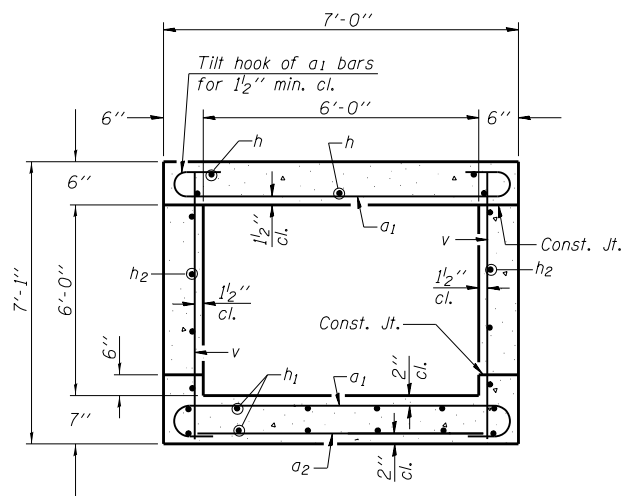


BAR a1



BAR d

BAR z



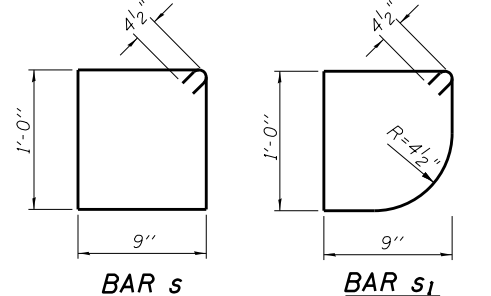
SECTION THRU BARREL

DESIGN STRESSES

$f_y = 60,000 \text{ psi}$
 $f'_c = 3,500 \text{ psi}$

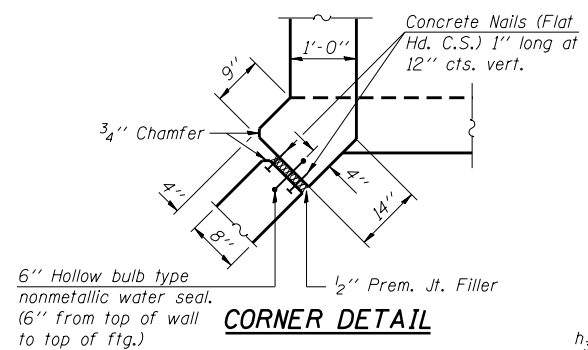
Max. Soil Pressure
 under footing = 2655 psf

LOADING HS 20-44 & ALT.



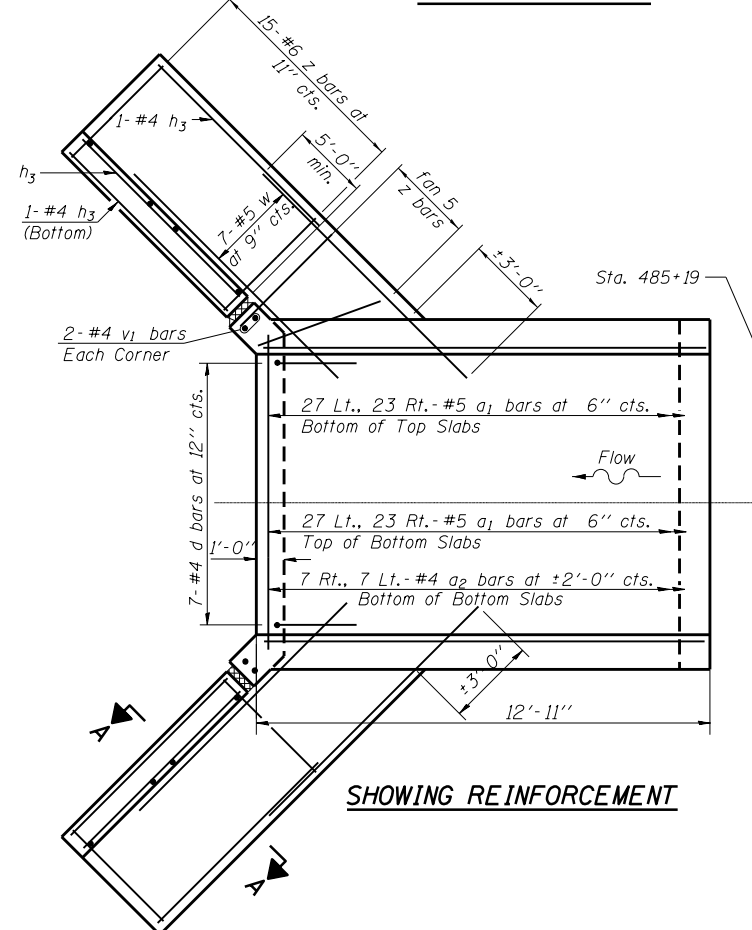
BAR s

BAR s1

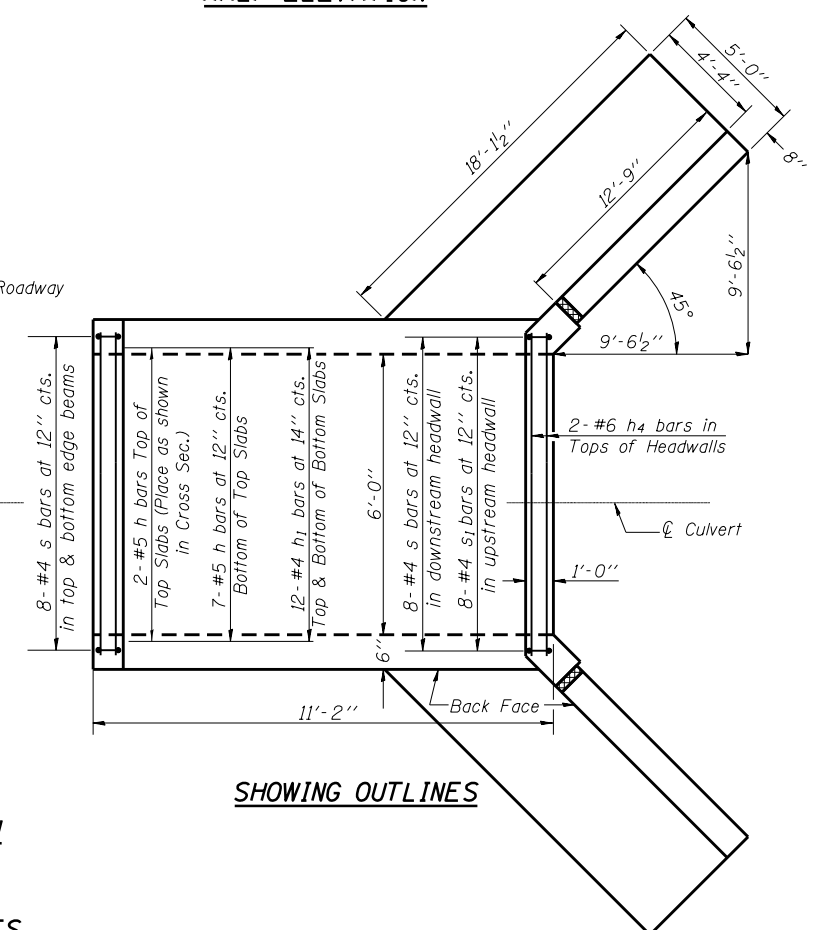


CORNER DETAIL

6" Hollow bulb type
 nonmetallic water seal.
 (6" from top of wall
 to top of ftg.)



SHOWING REINFORCEMENT



SHOWING OUTLINES

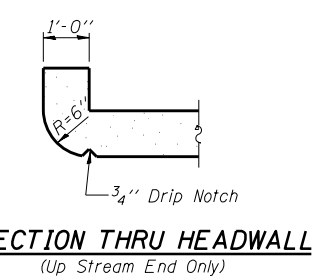
PLAN

NOTES

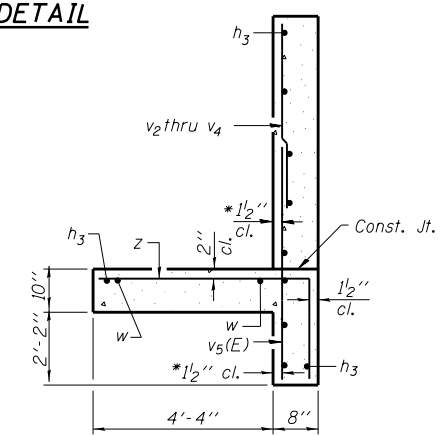
Reinforcement bars shall conform to the requirements of ASTM A 706
 Gr 60.
 The length given for bars h, h1 & h2 is sufficient for both
 of the extensions. Cut in field to fit each extension.
 Reinforcement bars designated (E) shall be epoxy coated.
 Precast option is not allowed.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1	100	#5	7'-10"	U
a2	16	#4	6'-8"	U
d	14	#4	4'-6"	T
h	18	#5	23'-5"	—
h1	24	#4	23'-5"	—
h2	24	#5	23'-5"	—
h3	40	#4	12'-5"	—
h4	12	#6	6'-2"	—
s	40	#4	4'-3"	—
s1	8	#4	4'-1"	—
v	68	#4	6'-9"	—
v1	8	#4	9'-11"	—
v2	16	#4	6'-2"	—
v3	16	#4	5'-2"	—
v4	20	#4	3'-10"	—
vs(E)	52	#4	5'-9"	—
w	28	#5	13'-4"	—
z	80	#6	7'-5"	—
Concrete Box Culverts			Cu. Yd.	34.6
Reinforcement Bars, Epoxy Coated			Pound	200
Reinforcement Bars			Pound	4022



SECTION THRU HEADWALL
 (Up Stream End Only)

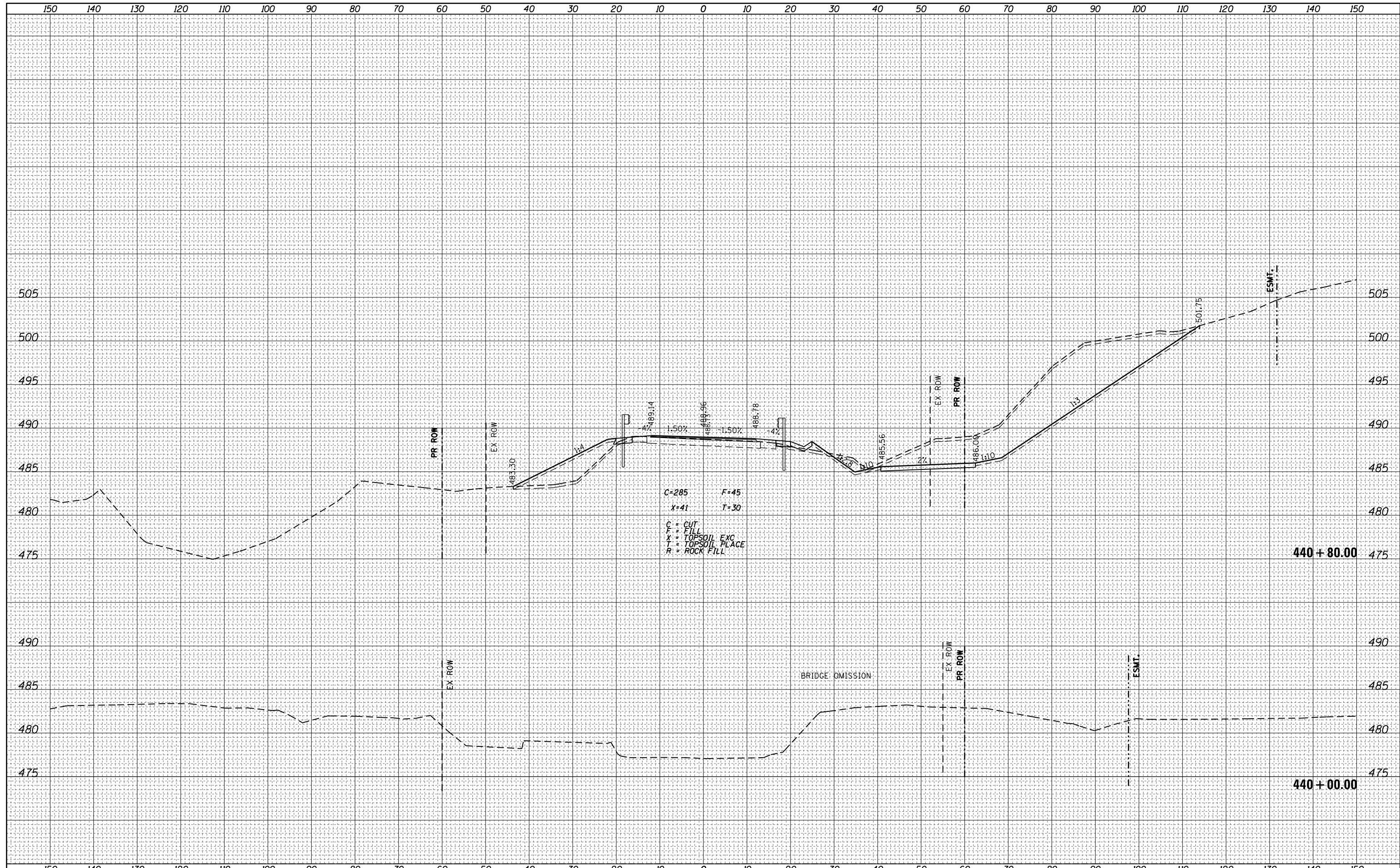


SECTION A-A

* v bars shall not be placed
 more than 1/2" cl. from
 back face of wingwall.

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

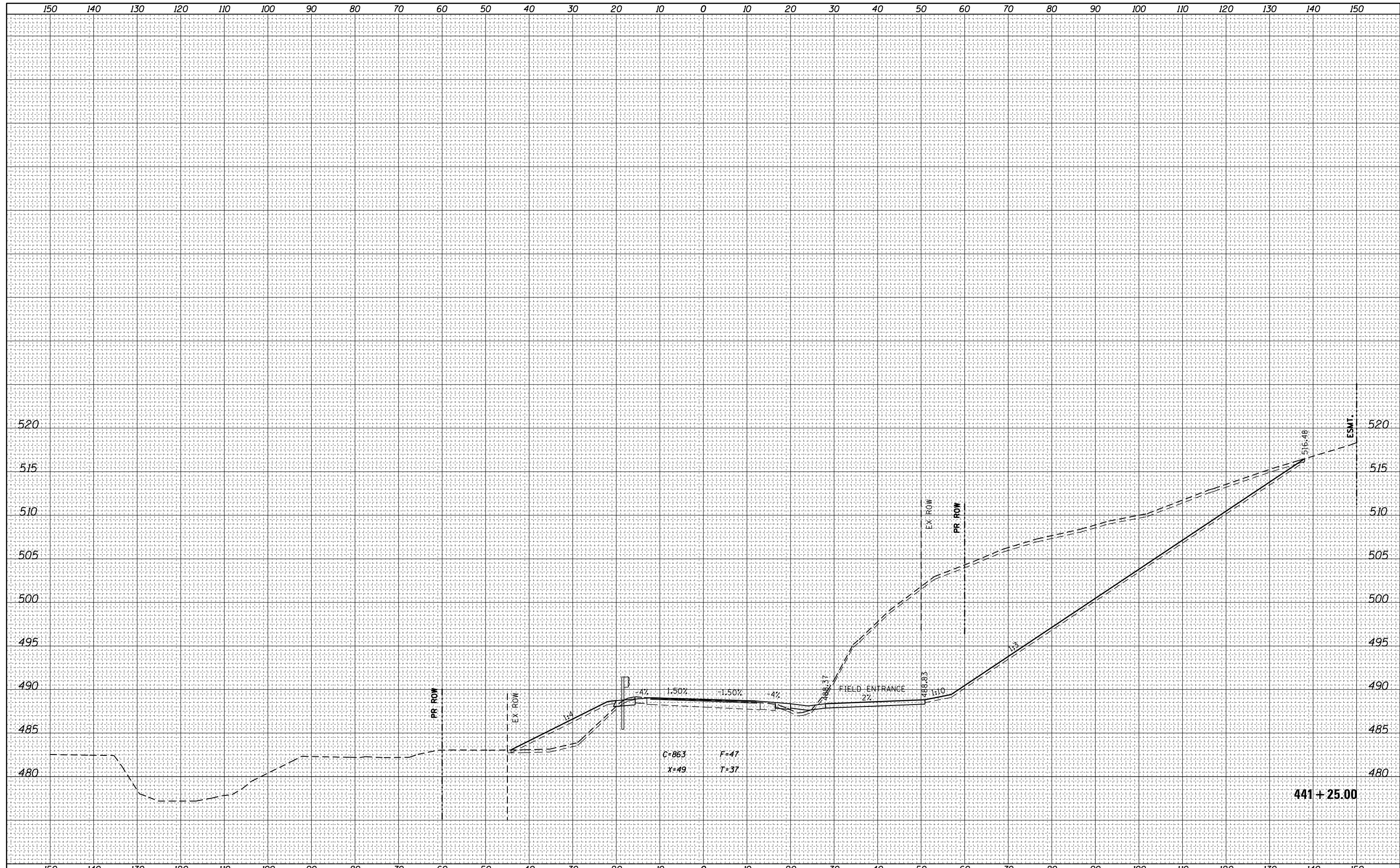
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS US 55		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	10/18/2017	DATE -	REVISIED -				328A	3Y	EFFINGHAM	62	31	
					SCALE:	SHEET	OF	SHEETS	STA. 440+00.00	TO STA. 440+80.00	CONTRACT NO. 74723	
											ILLINOIS FED. AID PROJECT	

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

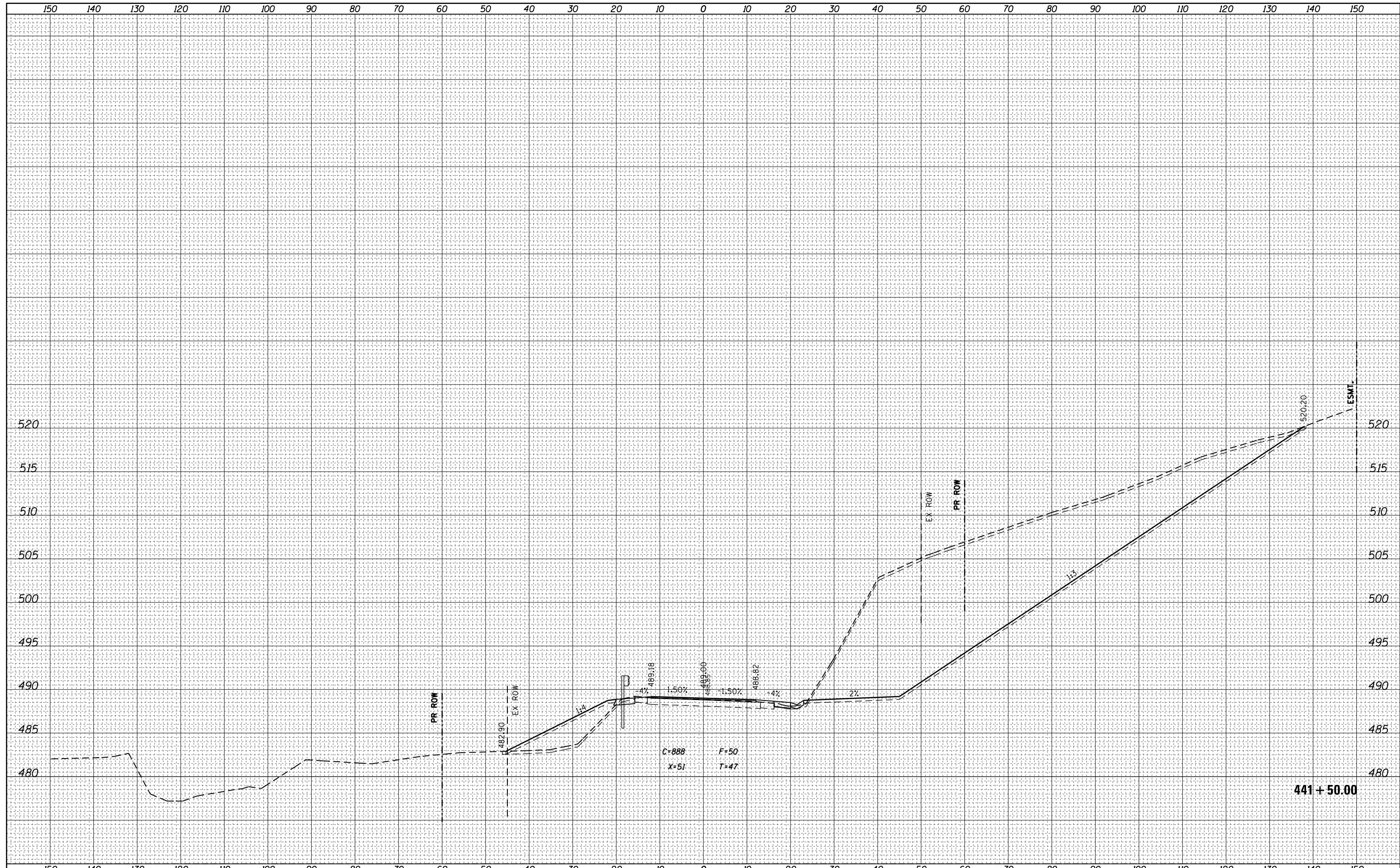
DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED PLOTTED	
NOTE BOOK	
AREAS CHECKED	



FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS US 45			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	10/18/2017	CHECKED -	REVISIED -					328A	3Y	EFFINGHAM	62	33
		DATE -	REVISIED -					CONTRACT NO. 74723				
								ILLINOIS FED. AID PROJECT				

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

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



FILE NAME =
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USER NAME = steffenk
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 DATE - 10/18/2017

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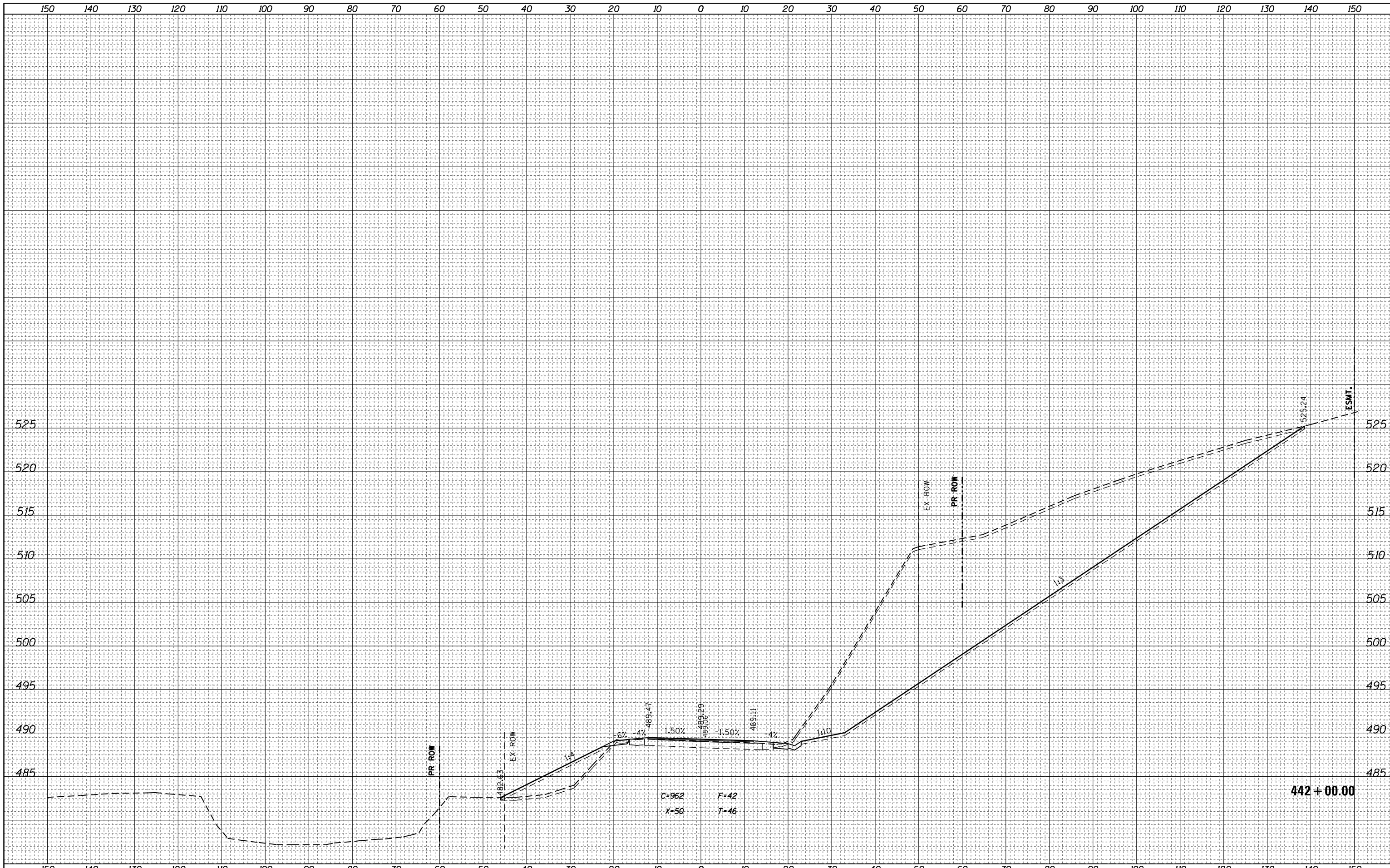
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

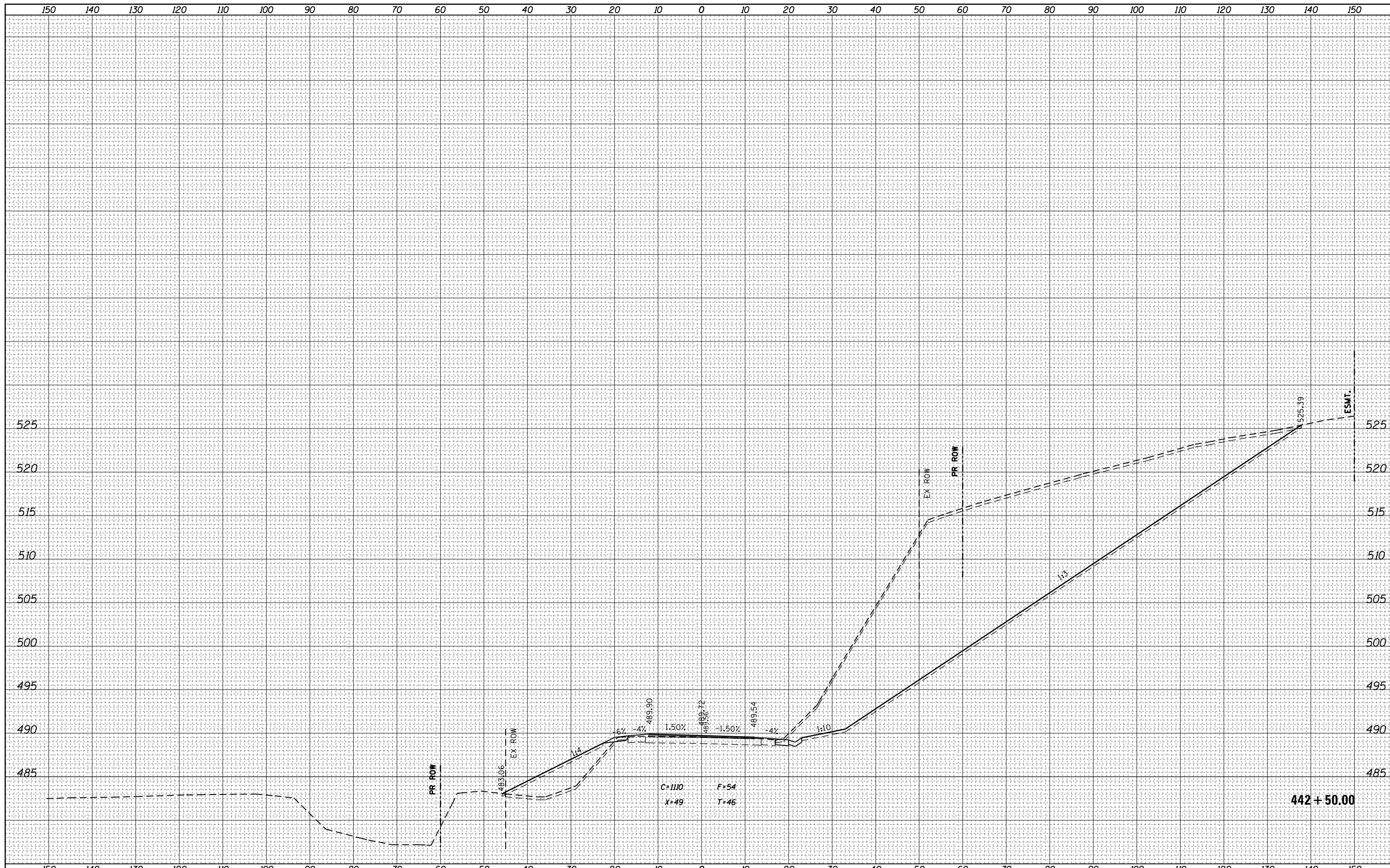
**CROSS SECTIONS
 US 45**
 SCALE: SHEET OF SHEETS STA. 441+50.00 TO STA. 441+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
328A	3Y	EFFINGHAM	62	34
			CONTRACT NO.	74723
ILLINOIS FED. AID PROJECT				

BY	DATE
FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED

BY	DATE
ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED





FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	DATE

FILE NAME = p:\IL084EBIDINTEG.illinois.gov\PIDOT\Documents\NIDOT Offices\District 7\Projects\74723\CADD\Drawings\74723-sht-xssht-ALT2.dgn
 PLOT SCALE = 20.0000' / in.
 PLOT DATE = 10/18/2017

DESIGNED -
 CHECKED -
 DATE -

REVISED -
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 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 US 45**

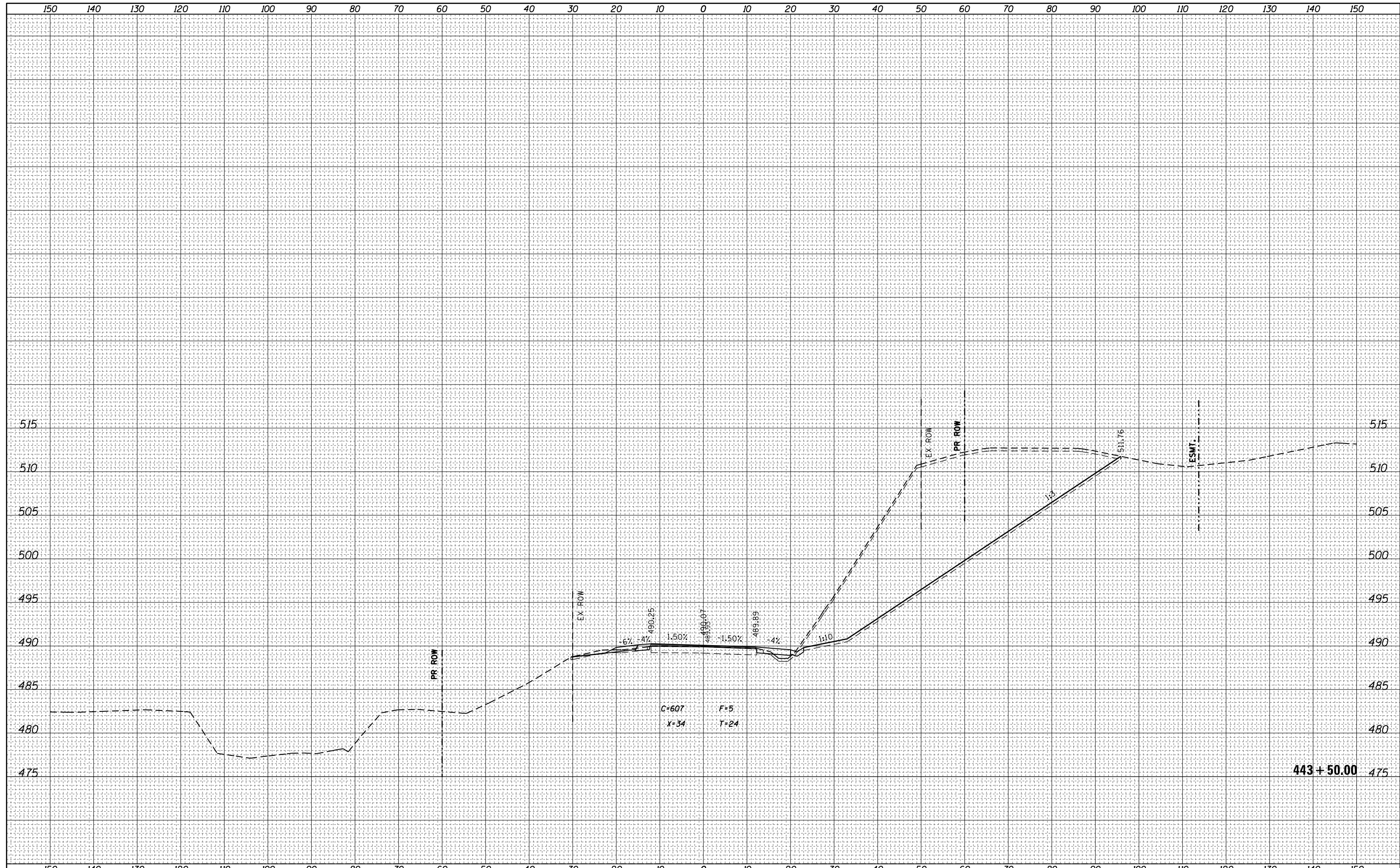
SCALE: SHEET OF SHEETS STA. 442+50.00 TO STA. 442+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
328A	3Y	EFFINGHAM	62	36
CONTRACT NO. 74723			ILLINOIS FED. AID PROJECT	

442 + 50.00

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

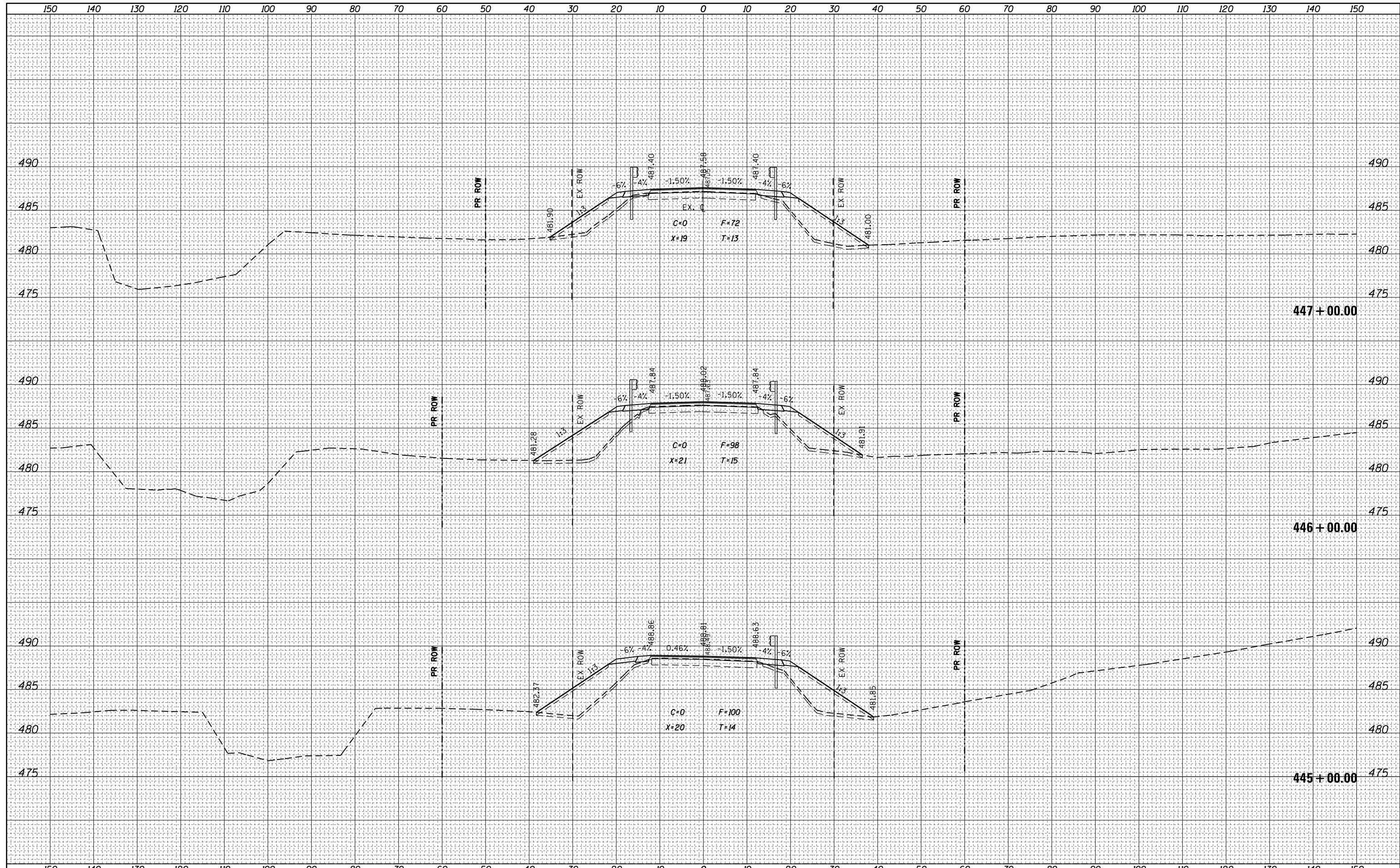
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BY	
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS US 45			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	10/18/2017	DATE -	REVISIED -					328A	3Y	EFFINGHAM	62	38
					SCALE: SHEET OF SHEETS STA. 443+50.00 TO STA. 443+50.00			CONTRACT NO. 74723				
					ILLINOIS FED. AID PROJECT							

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

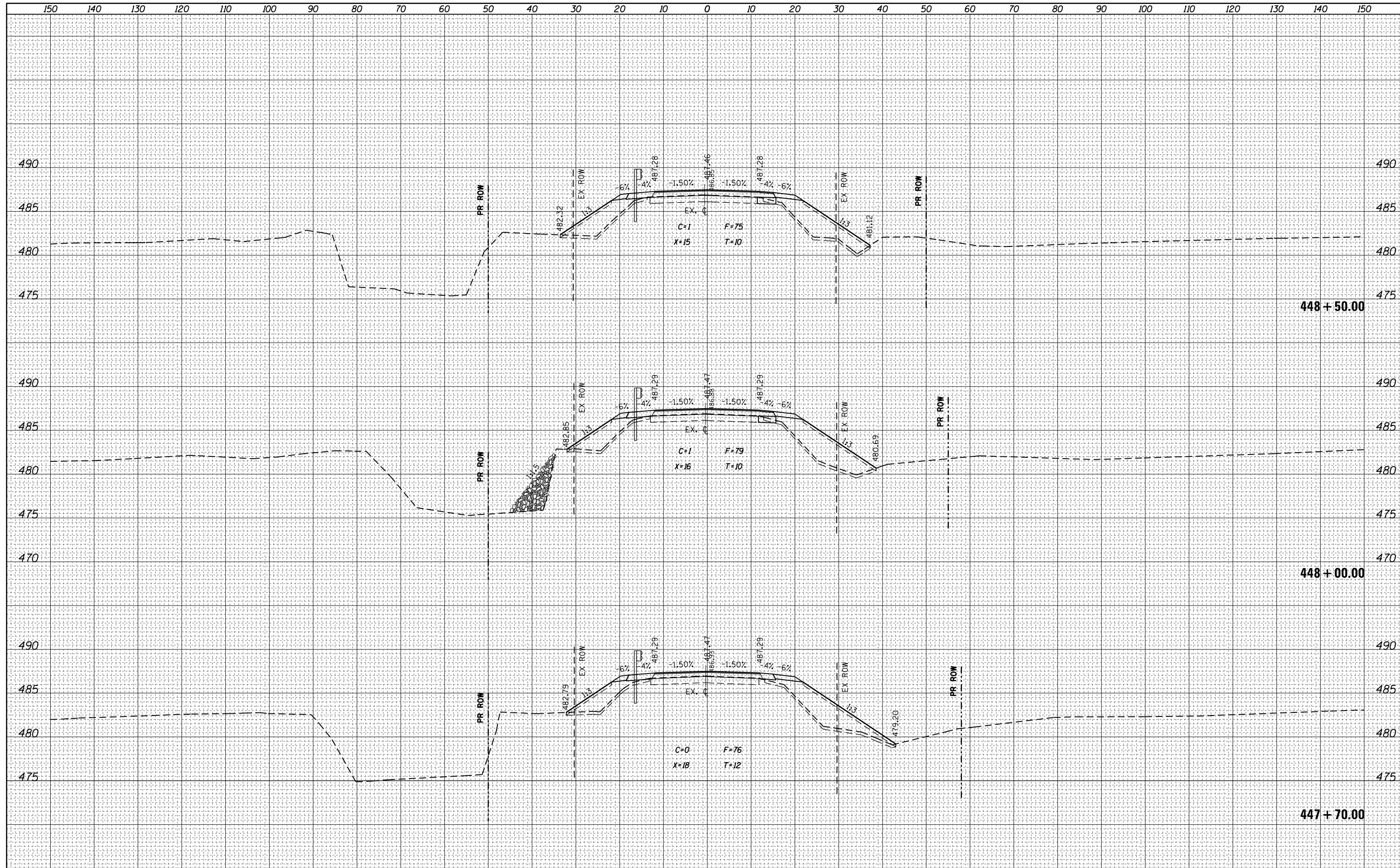
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BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISOR -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS US 45		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	10/18/2017	DATE	REVISOR -				328A	3Y	EFFINGHAM	62	40
			REVISOR -				SCALE:		SHEET OF SHEETS		CONTRACT NO. 74723
			REVISOR -				STA. 445+00.00 TO STA. 447+00.00		ILLINOIS FED. AID PROJECT		

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

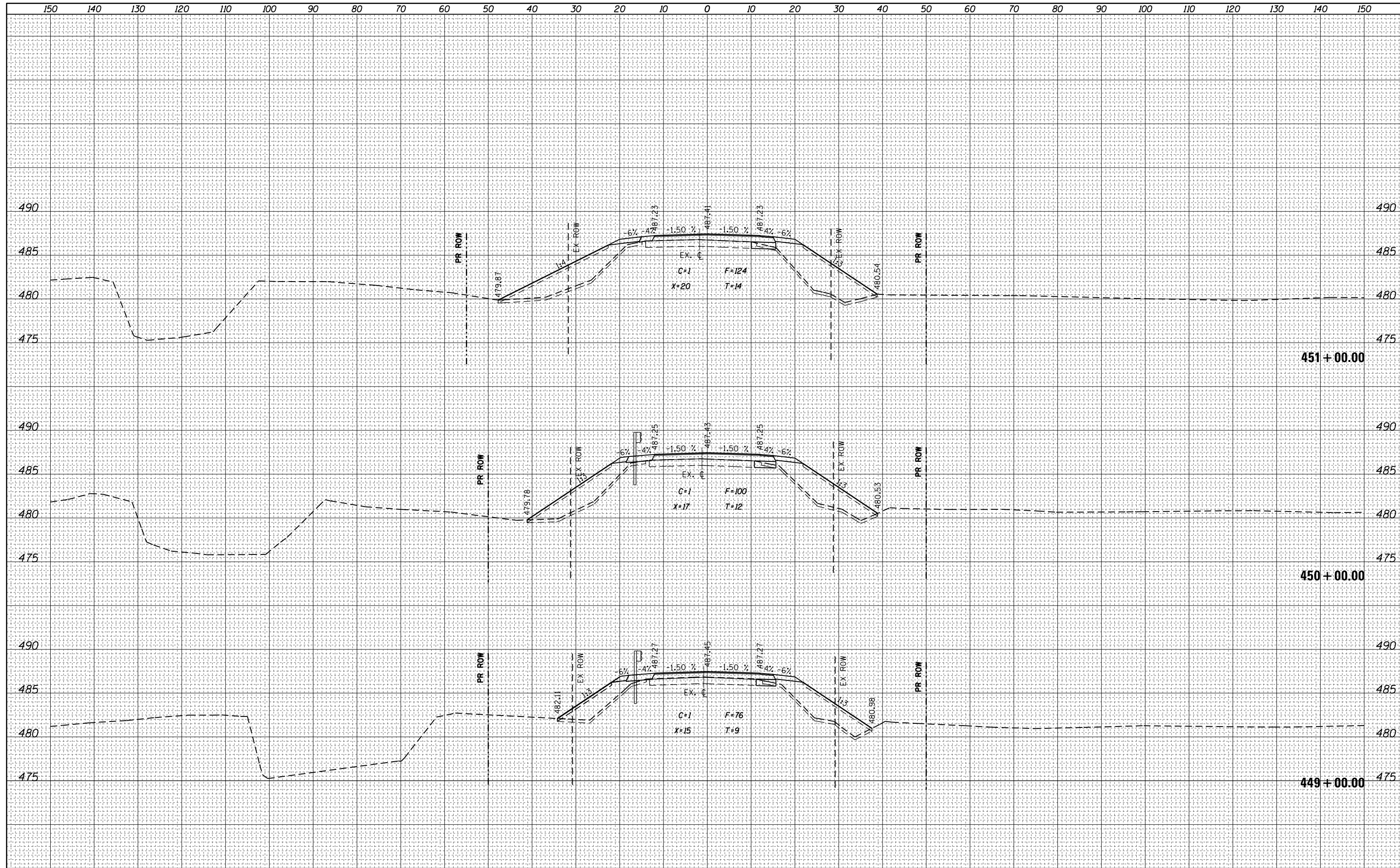
DATE	
BY	
ORIGINAL SURVEY NO.	
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NOTE BOOK AREAS CHECKED	

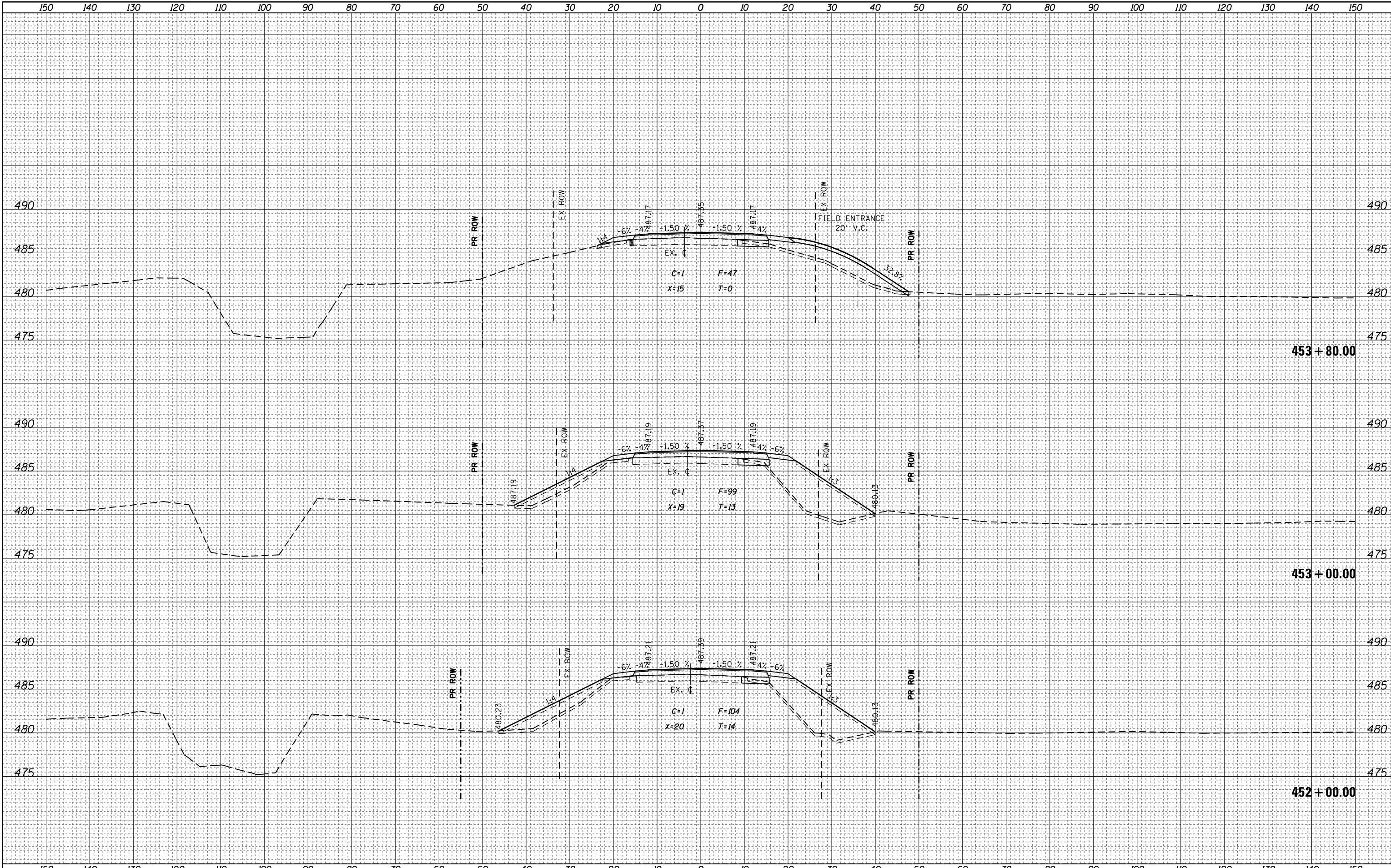


FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 20.0000' / in.	CHECKED -	REVISIED -	SCALE:		SHEET OF SHEETS		STA. 447+70.00 TO STA. 448+50.00		CONTRACT NO. 74723		
Default	PLOT DATE = 10/18/2017	DATE -	REVISIED -				ILLINOIS FED. AID PROJECT				

BY	DATE

ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
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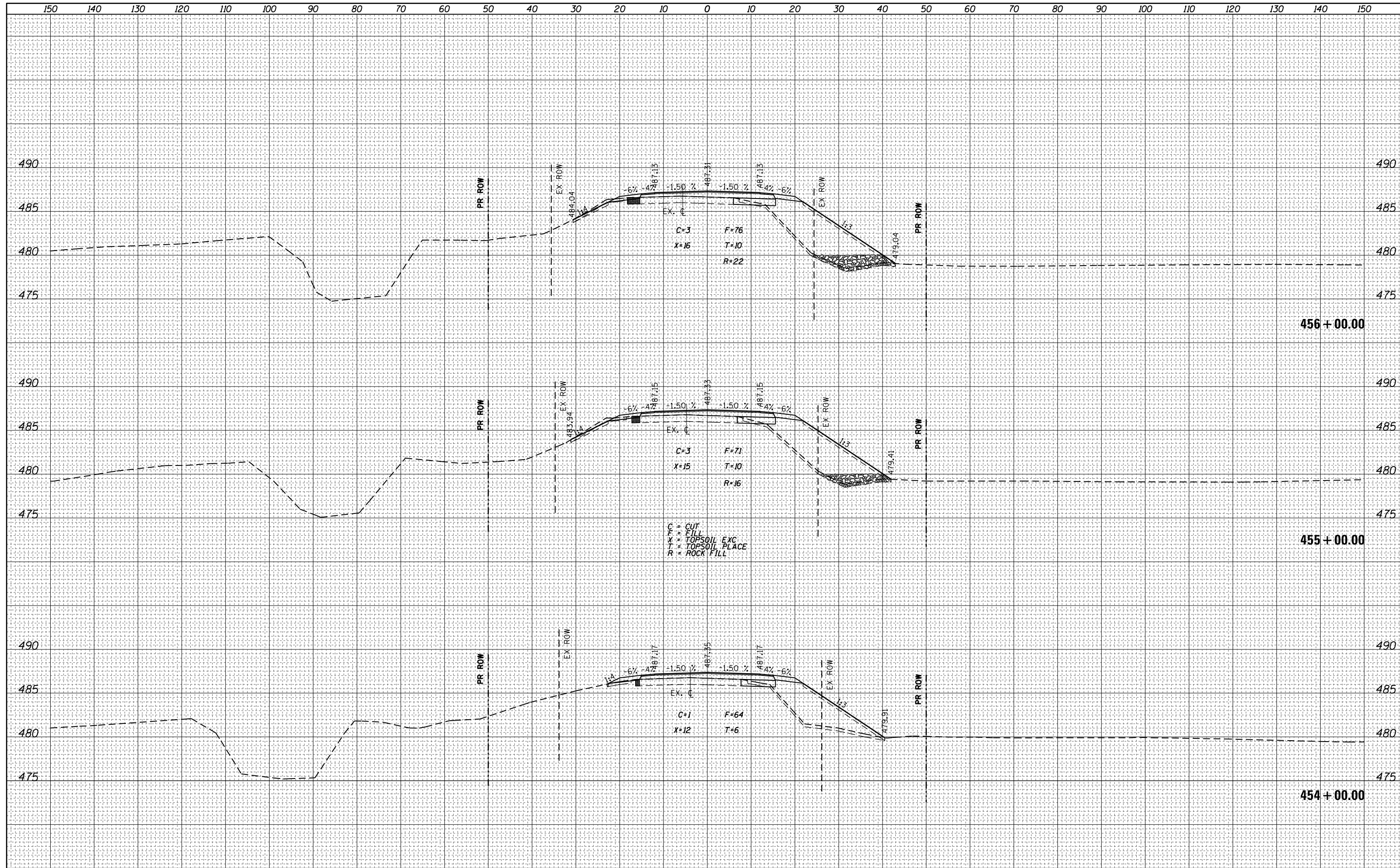


DATE
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DATE
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FINAL SURVEY NO.	

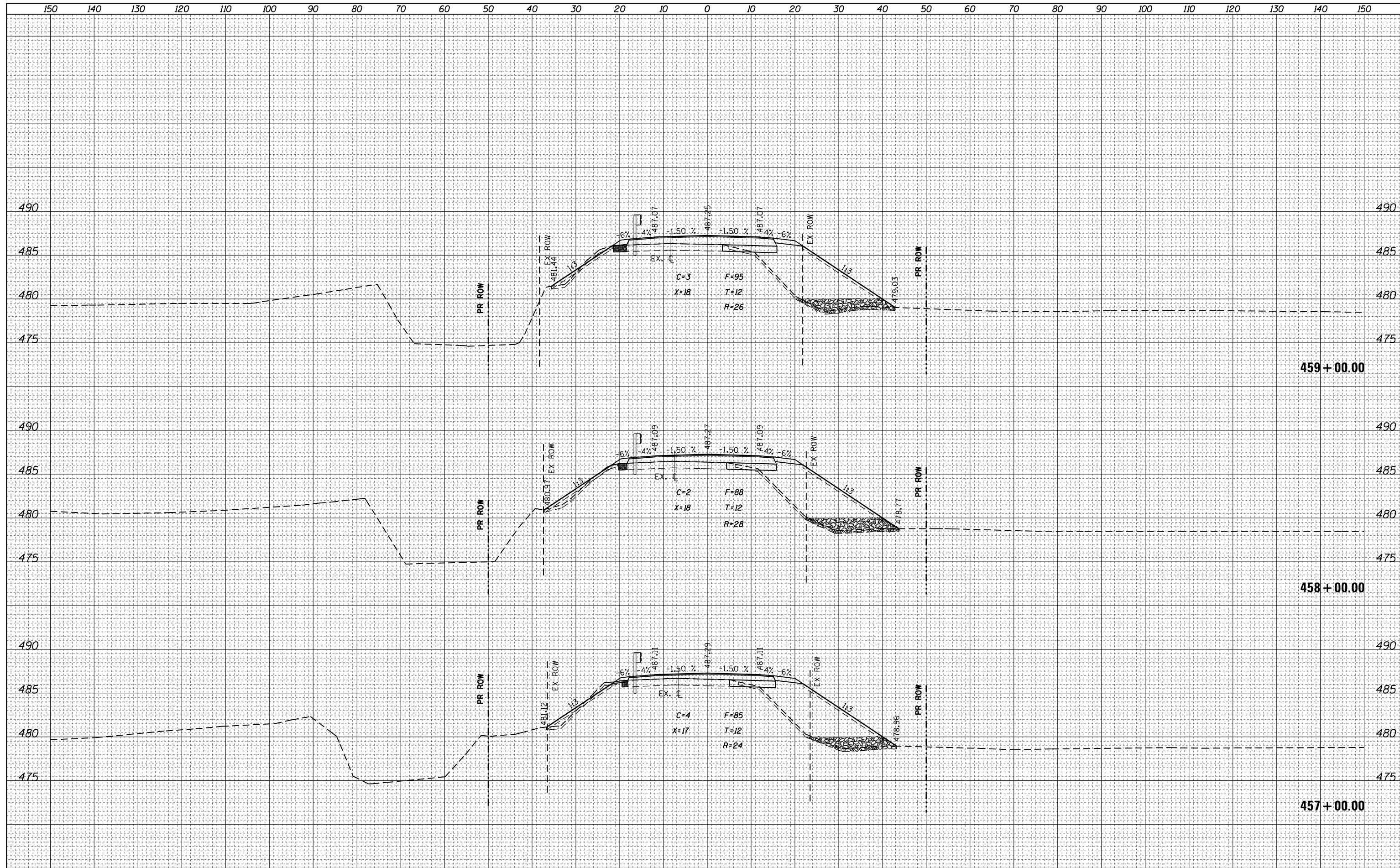
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ORIGINAL SURVEY NO.	



FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	DOT Offices\District 7\Projects\74723\CADD\Drawings\74723-sht-xxsh-ALT2.dgn	CHECKED -	REVISIED -		328A	3Y	EFFINGHAM	62	44		
	PLOT SCALE = 20.0000' / in.	DATE -	REVISIED -		SCALE:		SHEET OF SHEETS		CONTRACT NO. 74723		
	PLOT DATE = 10/18/2017				STA. 454+00.00 TO STA. 456+00.00		ILLINOIS FED. AID PROJECT				

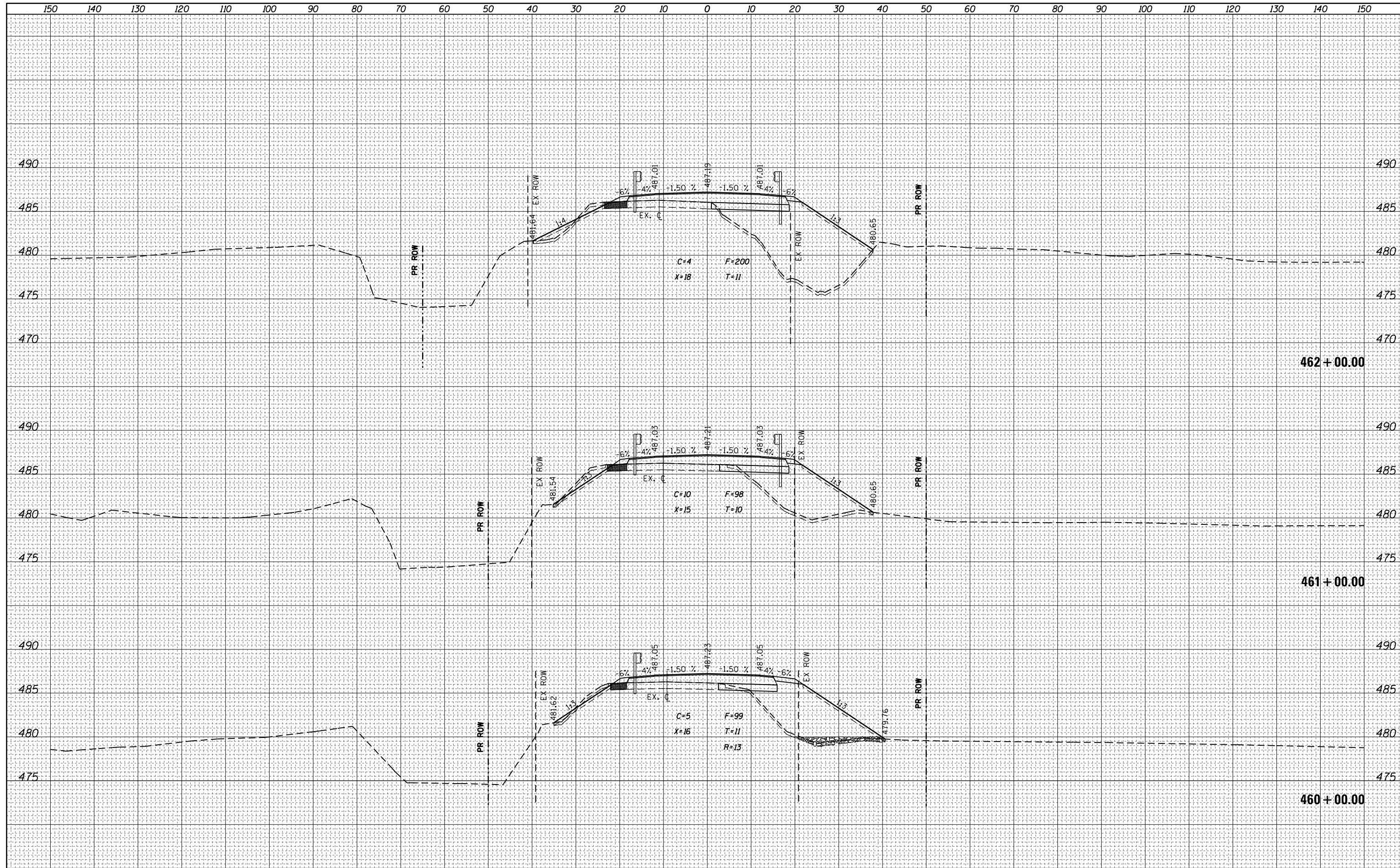
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TEMPLATE	
NOTE BOOK	
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DATE	
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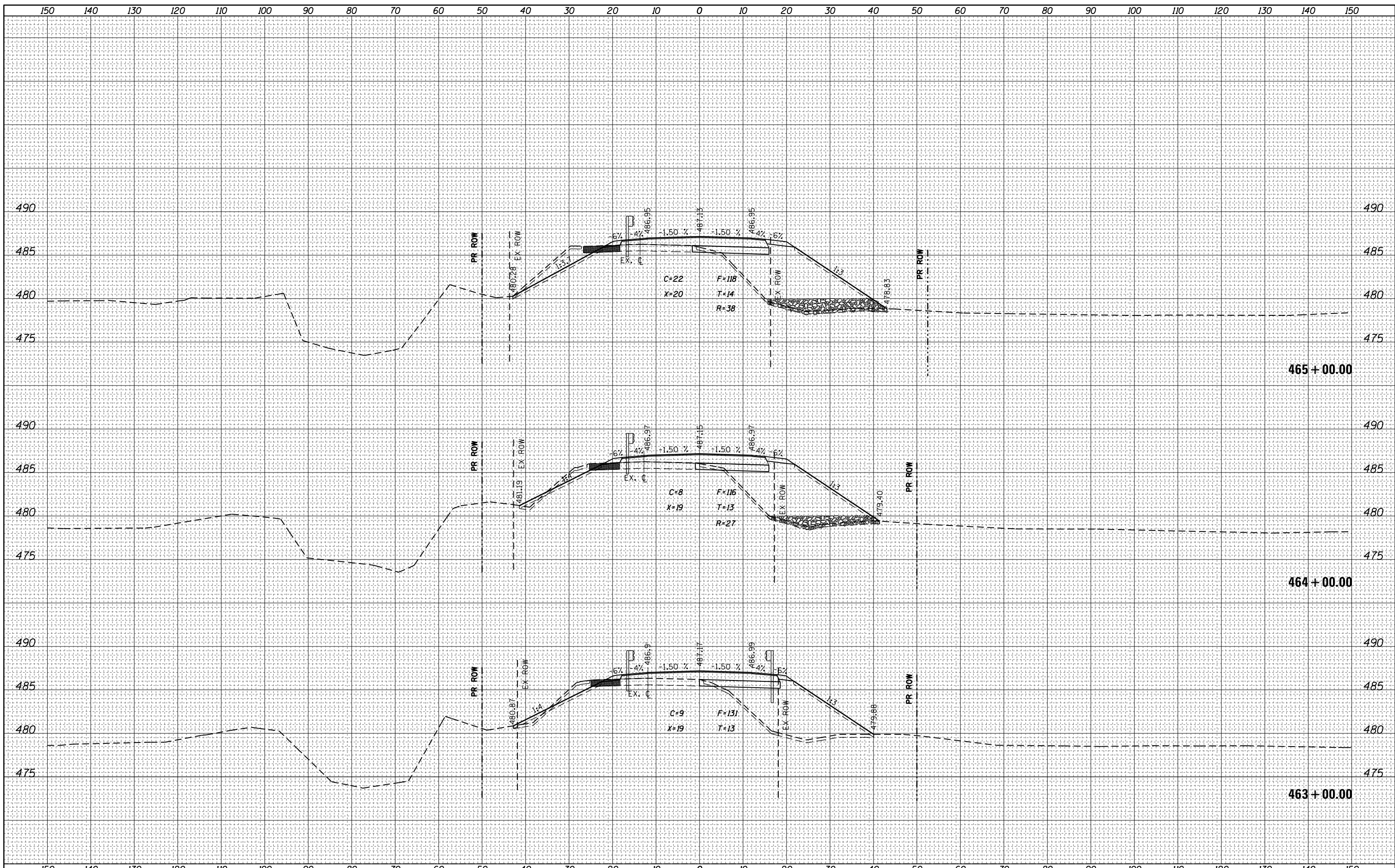


DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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



FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS US 45				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	10/18/2017	CHECKED -	REVISIED -						328A	3Y	EFFINGHAM	62	46
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ILLINOIS FED. AID PROJECT													

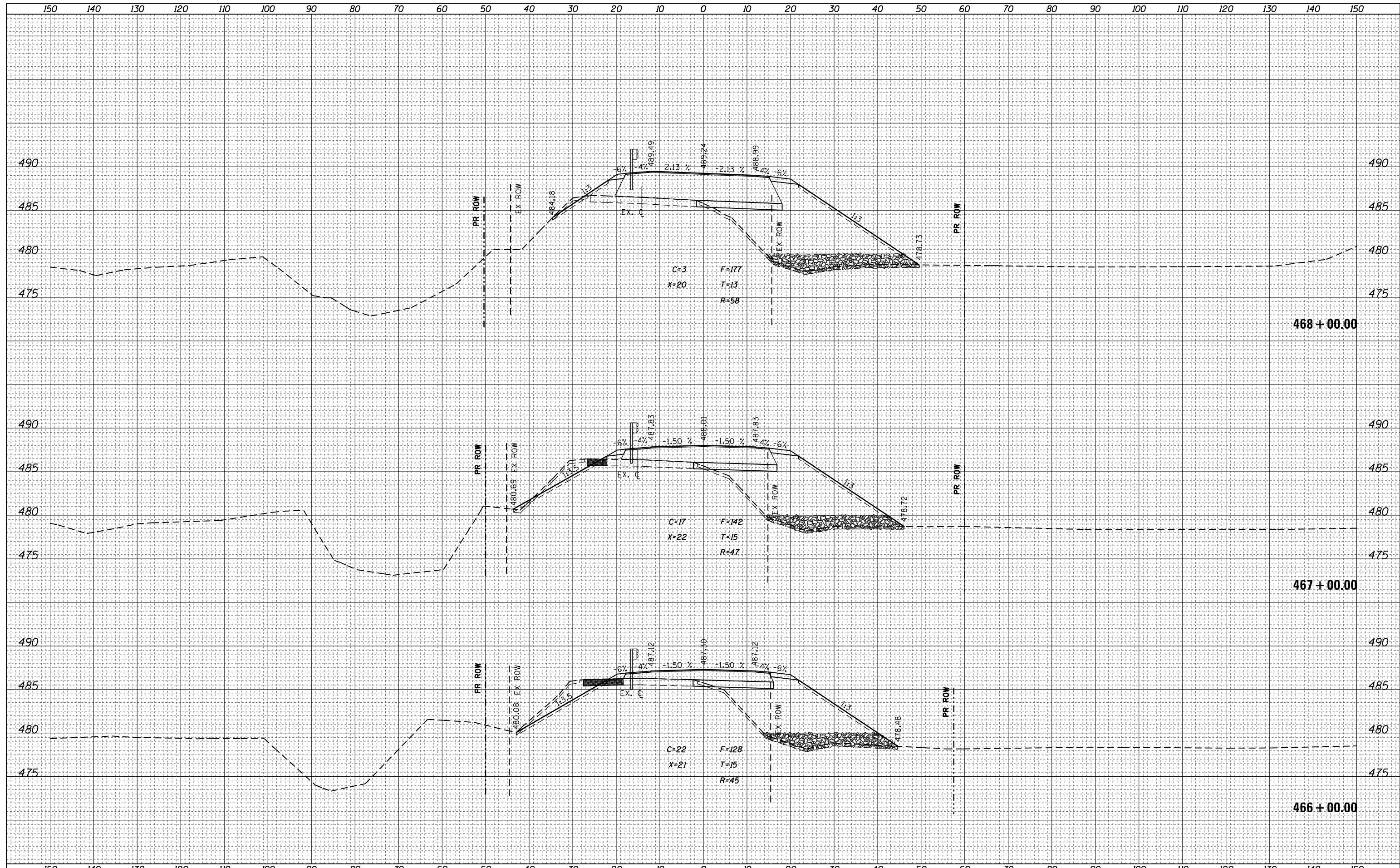


FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

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

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

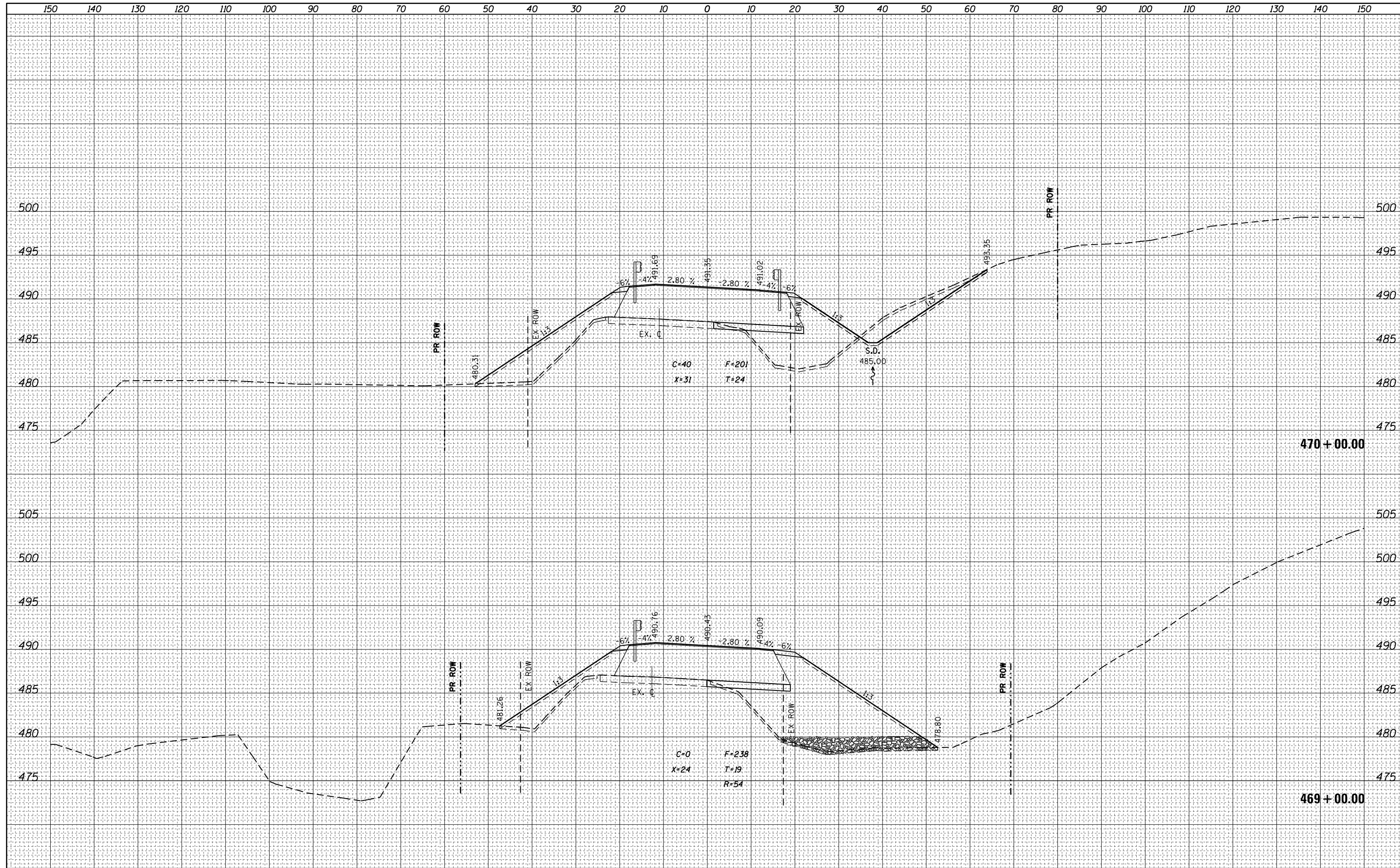
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED



FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISOR -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS US 45	F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 10/18/2017					ILLINOIS FED. AID PROJECT					
SCALE:						SHEET OF SHEETS STA. 466+00.00 TO STA. 468+00.00					

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

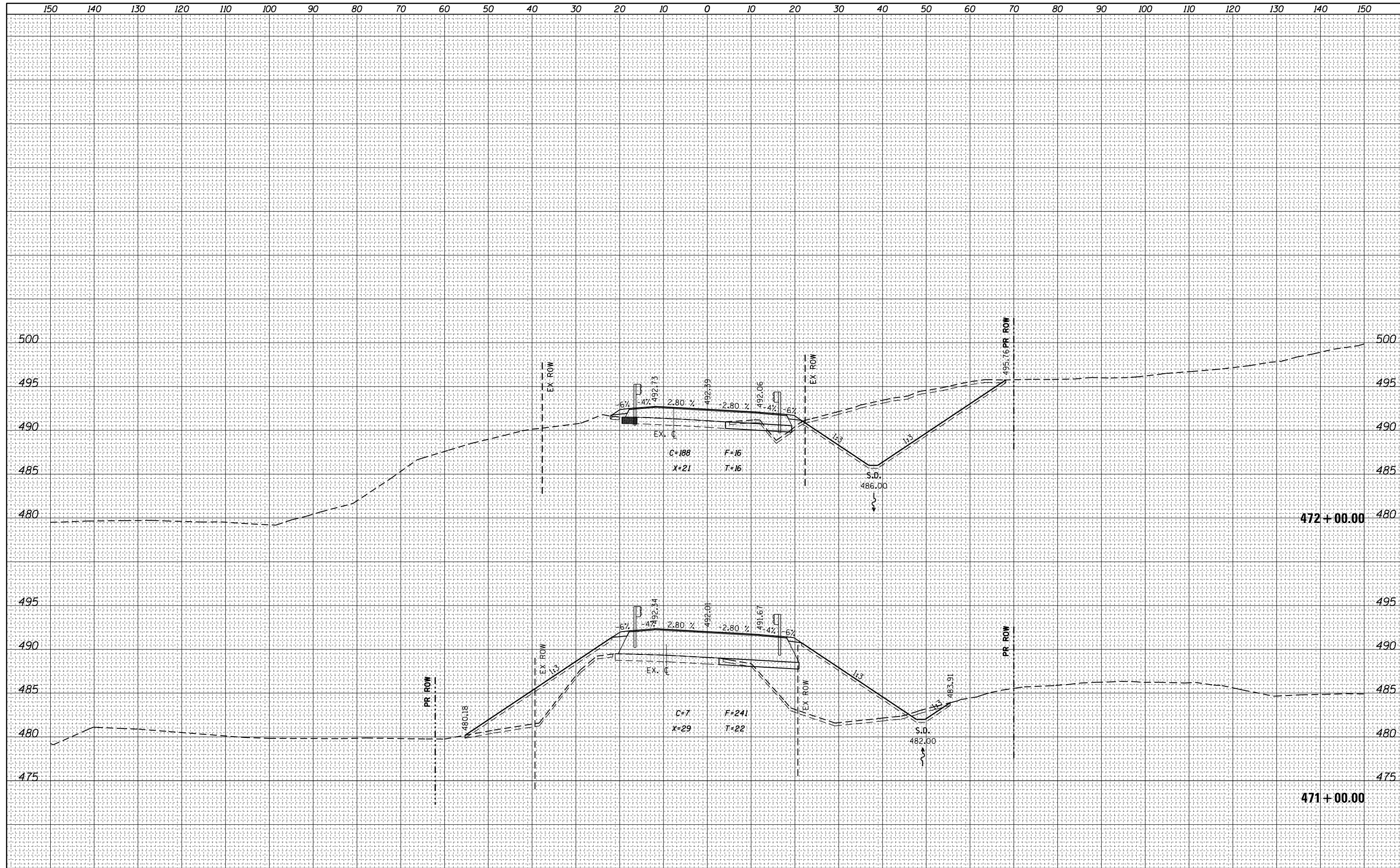
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BY	
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NOTE BOOK	PLOTTED
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	AREAS CHECKED



FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	10/18/2017	CHECKED -	REVISIED -		SCALE:	SHEET	OF	328A	3Y	EFFINGHAM	62	49
		DATE -	REVISIED -		STA. 469+00.00	TO STA. 470+00.00					CONTRACT NO. 74723	
					ILLINOIS FED. AID PROJECT							

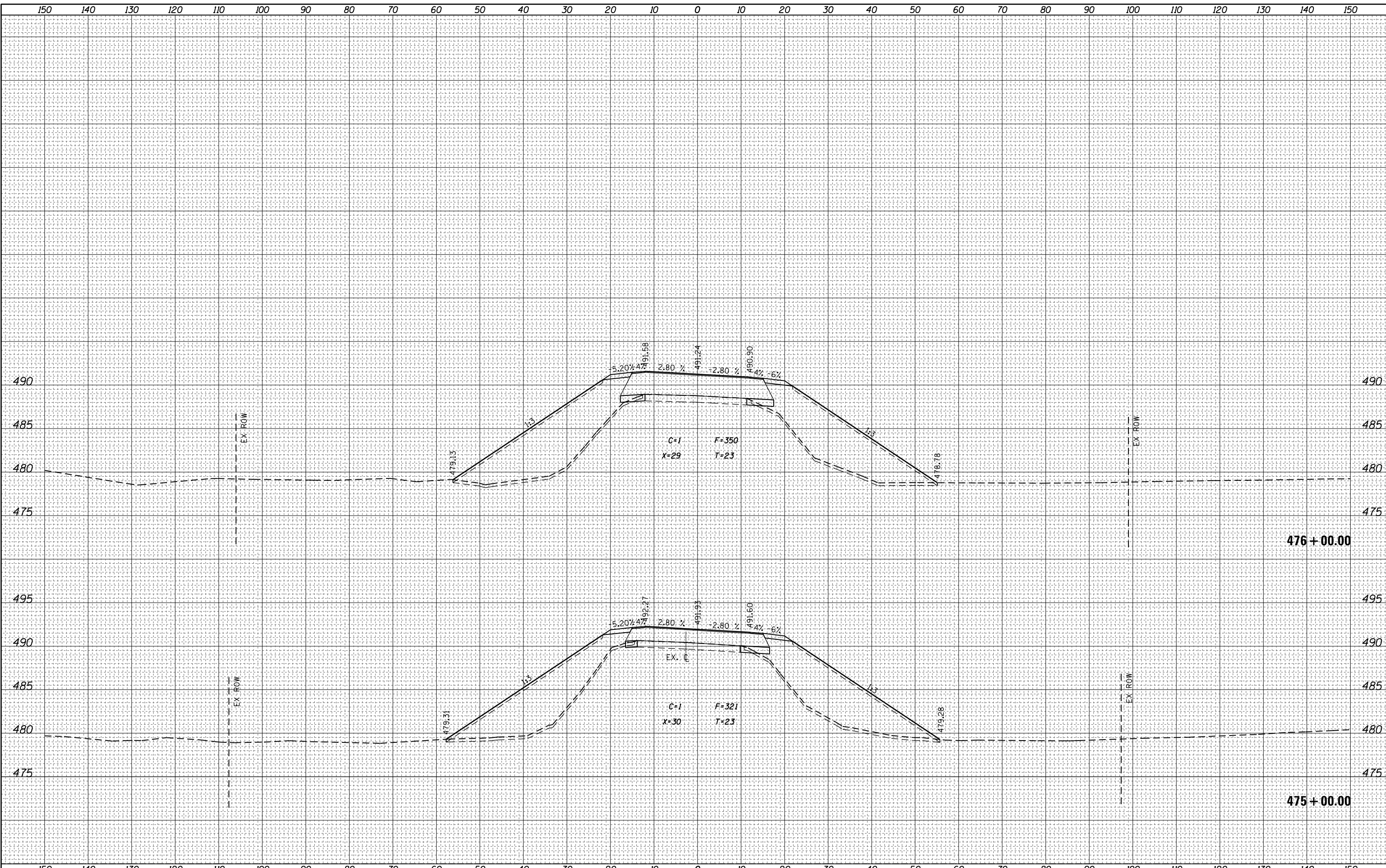
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NOTE BOOK	PLOTTED
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	AREAS CHECKED

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NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
Default	10/18/2017	CHECKED -	REVISIED -		SCALE:	SHEET	OF	SHEETS	STA. 471+00.00	TO STA. 472+00.00	328A	3Y	EFFINGHAM	62	50
		DATE -	REVISIED -												

ILLINOIS FED. AID PROJECT

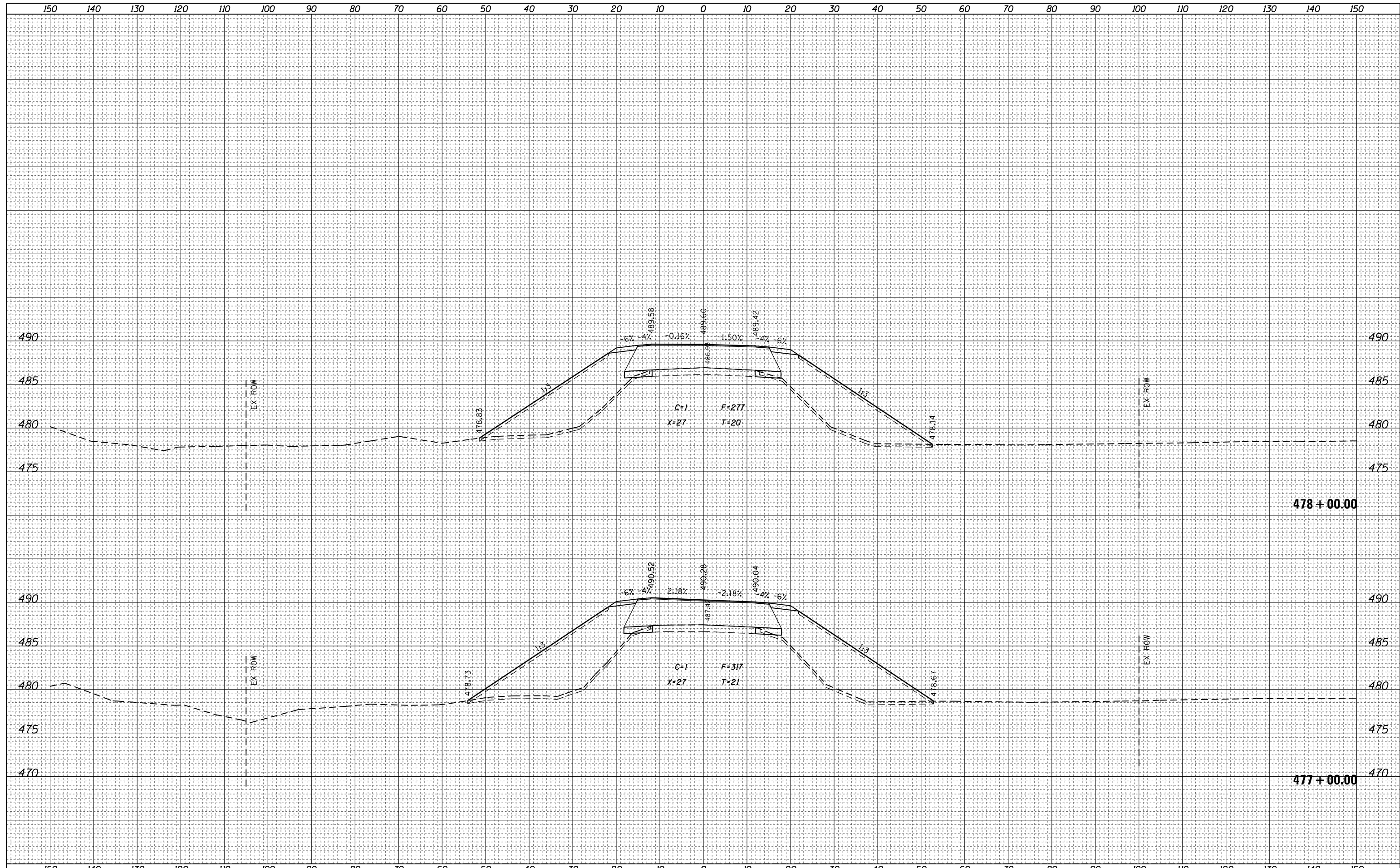


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FINAL SURVEY NO.	
SURVEYED AREAS	CHECKED
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

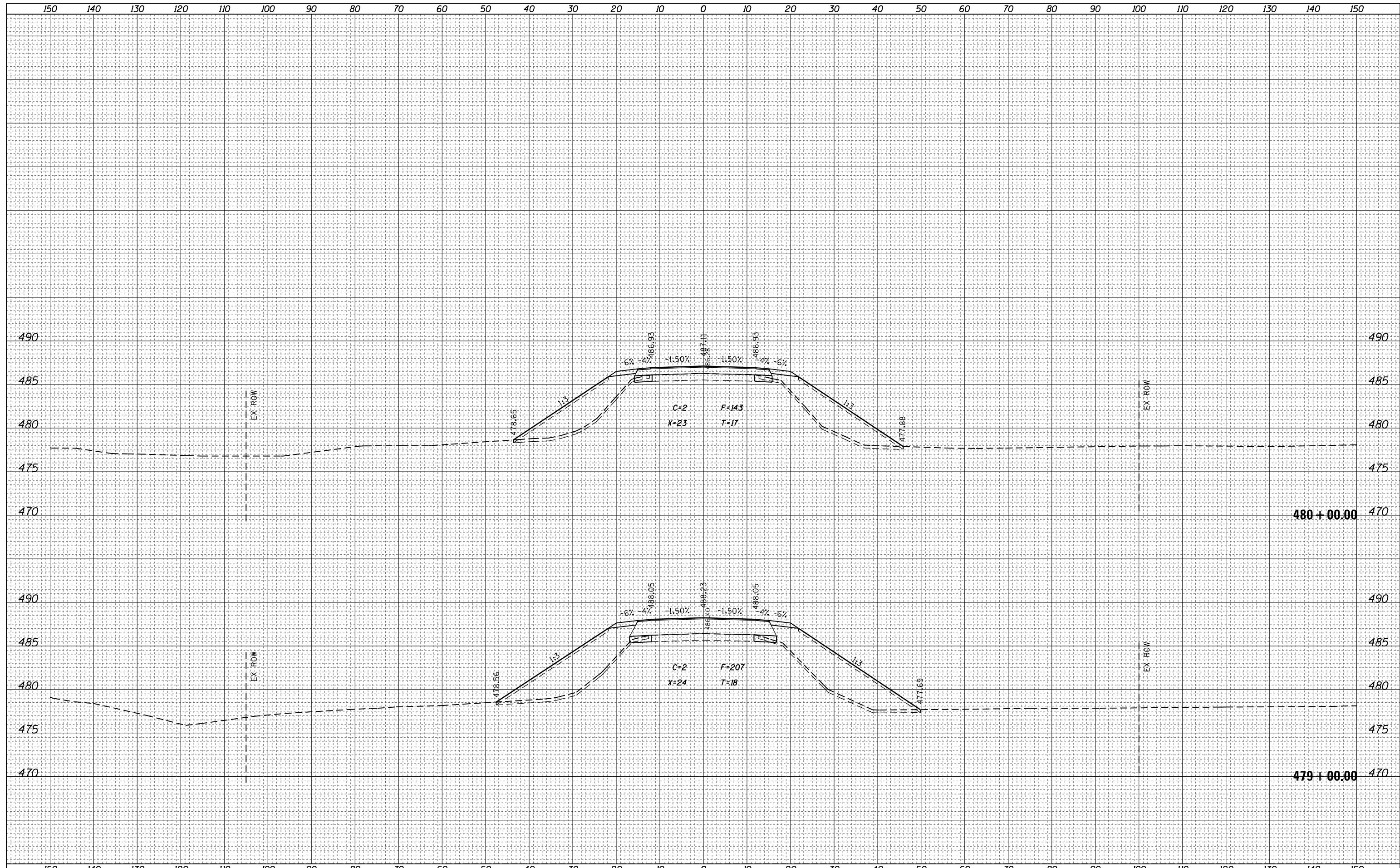
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AREAS CHECKED	



FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS US 45				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		DATE -	REVISIED -		SCALE: SHEET OF SHEETS STA. 477+00.00 TO STA. 478+00.00				CONTRACT NO. 74723				
					ILLINOIS FED. AID PROJECT								

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

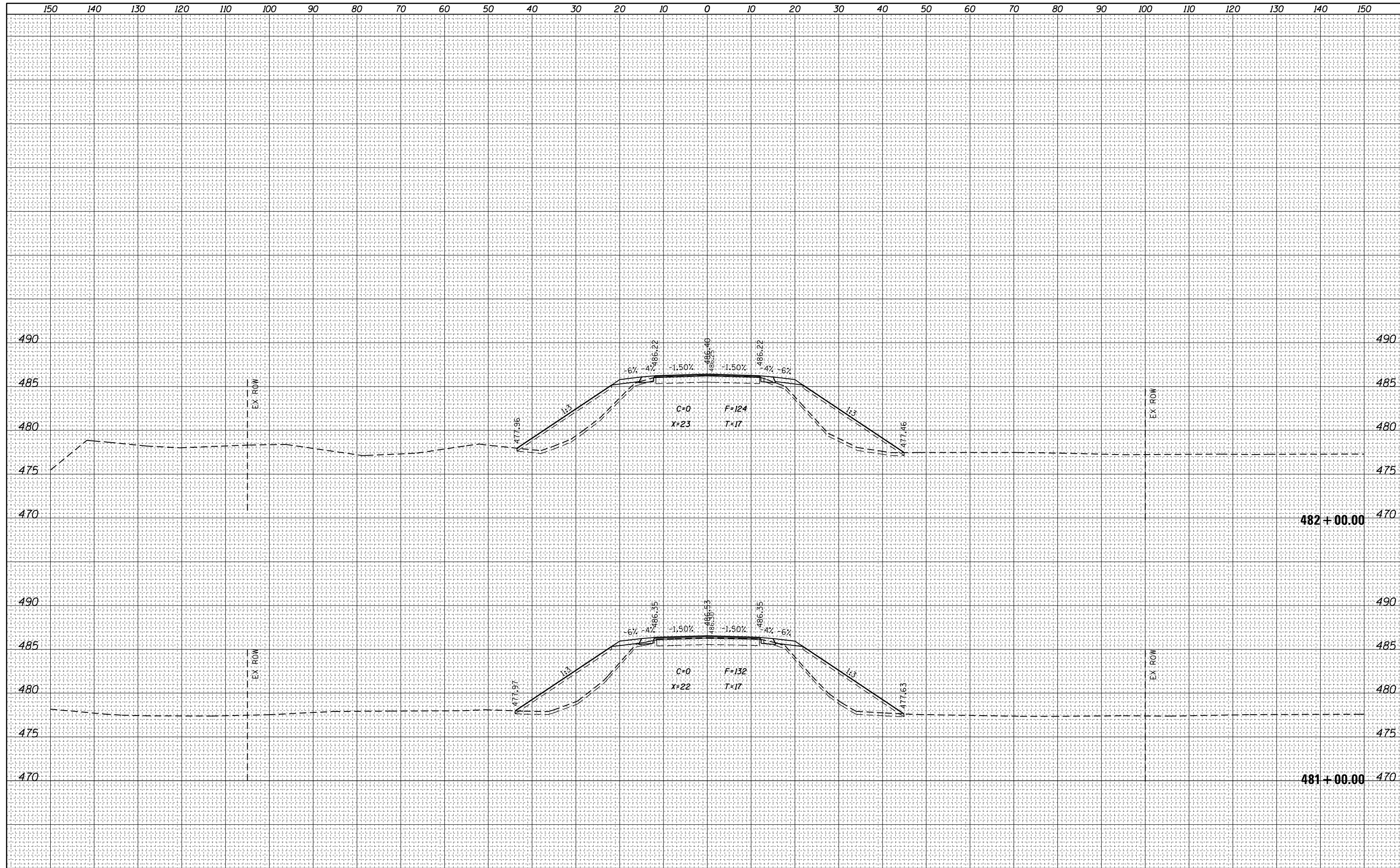
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NOTE BOOK AREAS CHECKED	



FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS US 45			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	10/18/2017	CHECKED -	REVISIED -					328A	3Y	EFFINGHAM	62	55
		DATE -	REVISIED -		SCALE: SHEET OF SHEETS STA. 479+00.00 TO STA. 480+00.00			CONTRACT NO. 74723				
					ILLINOIS FED. AID PROJECT							

DATE	
BY	
FINAL SURVEY NO.	
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NOTE BOOK AREAS CHECKED	

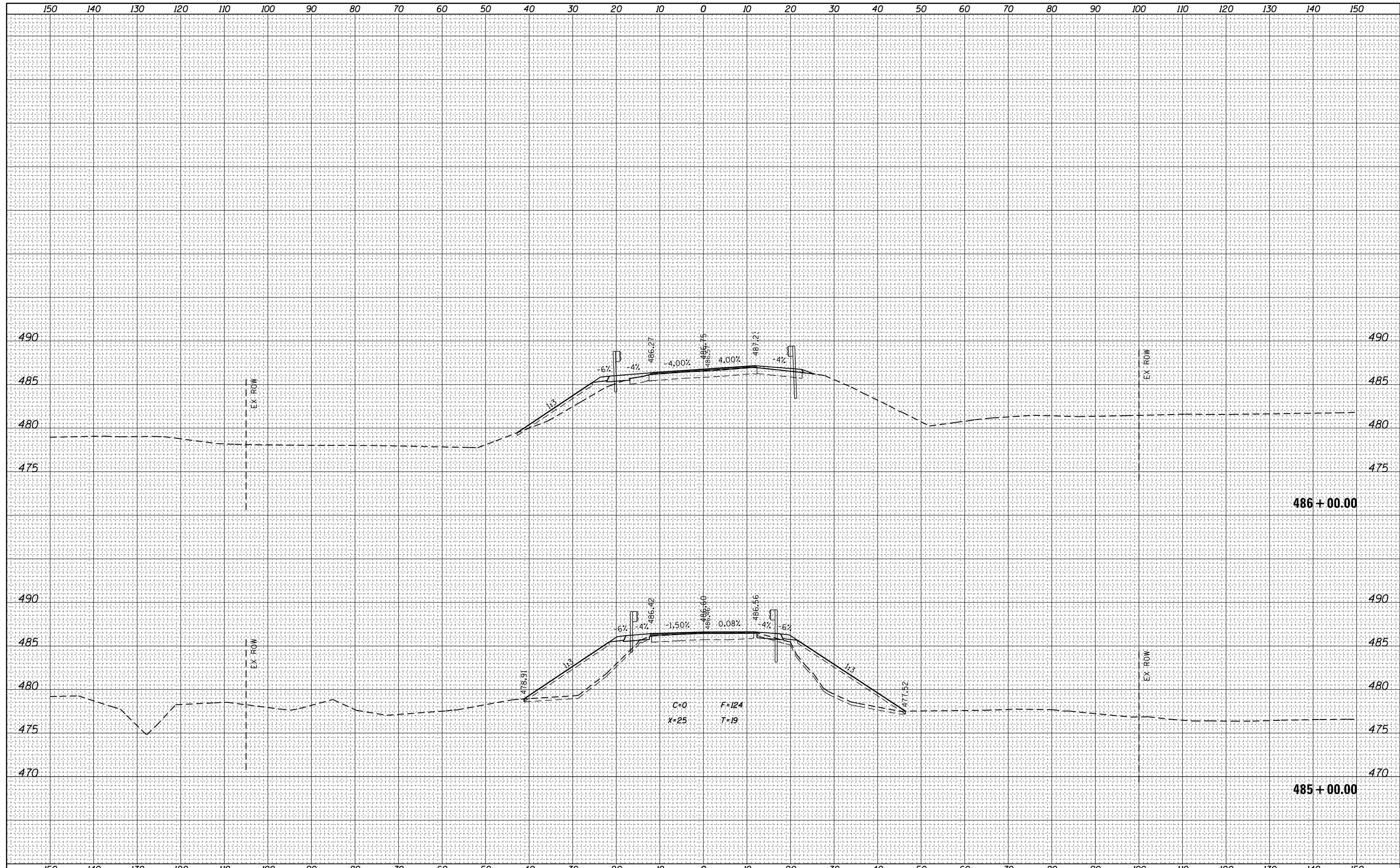
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NOTE BOOK AREAS CHECKED	



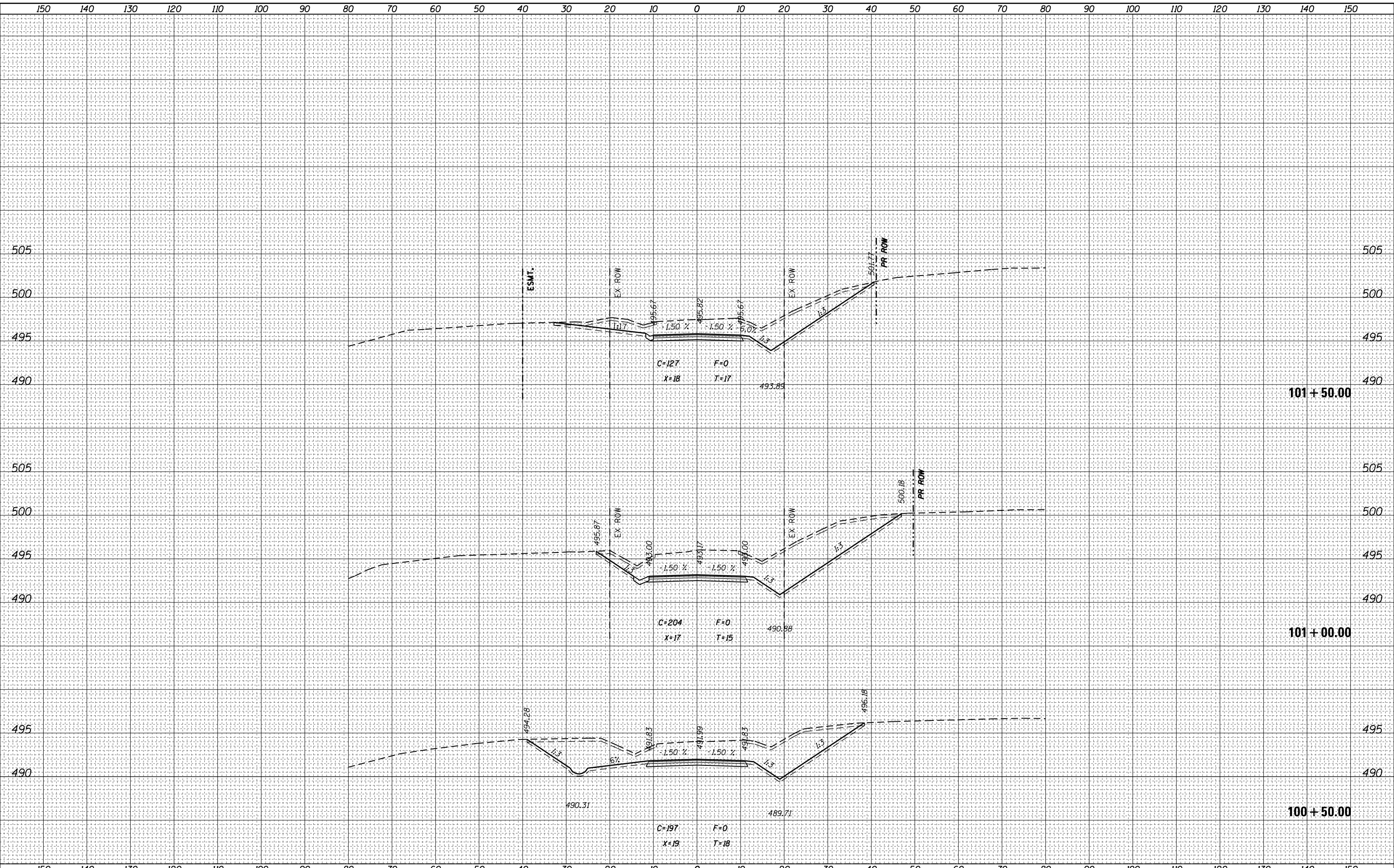
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Default	10/18/2017	DATE -	REVISIED -				328A	3Y	EFFINGHAM	62	56	
DRAWN					SCALE:		SHEET OF SHEETS		STA. 481+00.00 TO STA. 482+00.00		CONTRACT NO. 74723	
PLOT SCALE = 20.0000' / in.					CHECKED -		REVISIED -		ILLINOIS FED. AID PROJECT			

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

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



FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS US 45			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	DOT Offices\District 7\Projects\74723\CADD\Drawings\Drawings\74723-sht-xxsht-ALT2.dgn	CHECKED -	REVISIED -					328A	3Y	EFFINGHAM	62	58
	PLOT SCALE = 20.0000' / in.	DATE -	REVISIED -					CONTRACT NO. 74723				
	PLOT DATE = 10/18/2017							ILLINOIS FED. AID PROJECT				
					SCALE:	SHEET	OF	SHEETS	STA. 485+00.00	TO STA. 486+00.00		



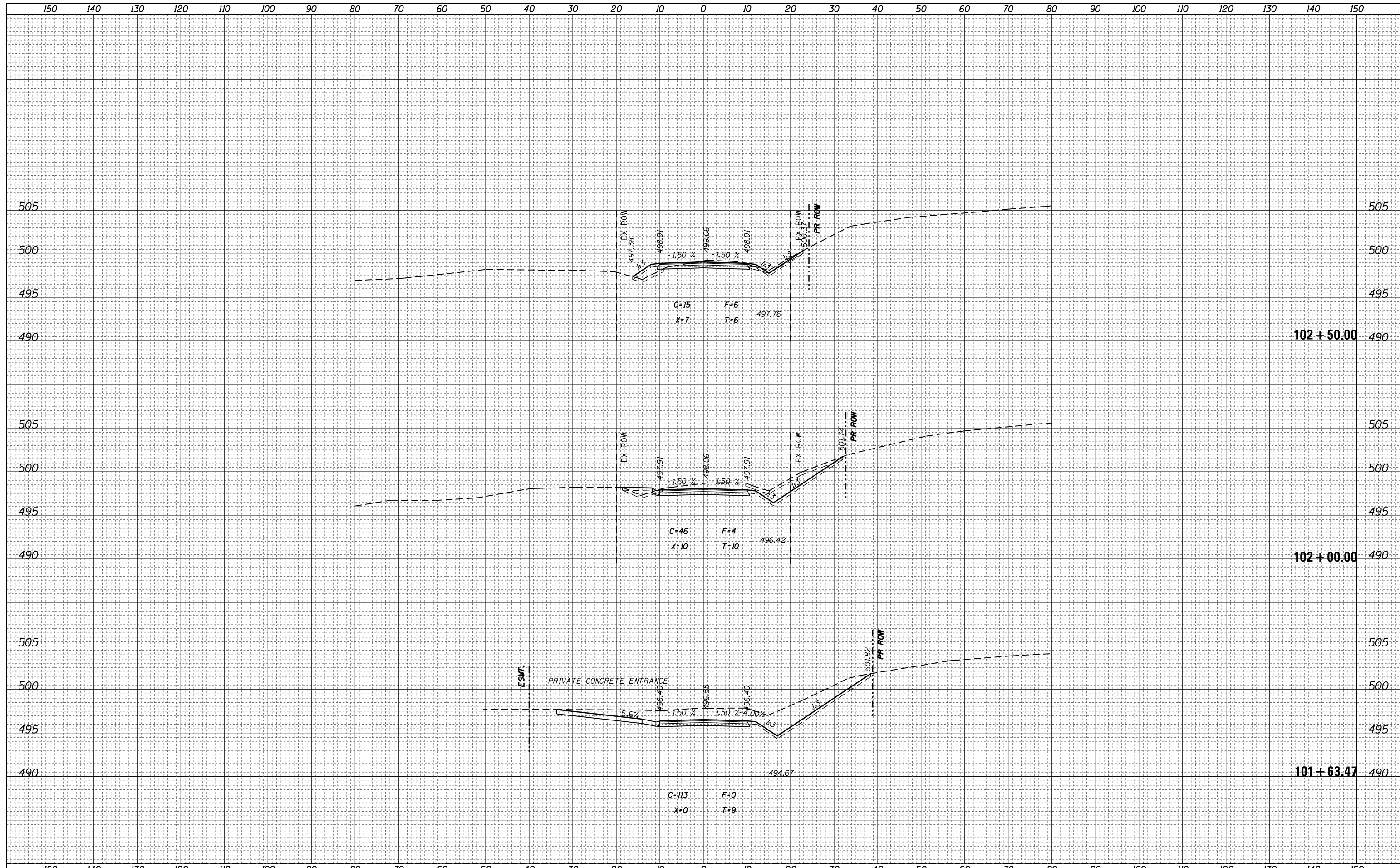
BY	DATE
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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

FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		CROSS SECTIONS 500N		F.A.P. RTE. 328A	SECTION 3Y	COUNTY EFFINGHAM	TOTAL SHEETS 62	SHEET NO. 59
		CHECKED -	REVISIED -			SCALE: SHEET OF SHEETS STA. 100+50.00 TO STA. 101+50.00		CONTRACT NO. 74723		ILLINOIS FED. AID PROJECT		
		DATE -	REVISIED -									

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

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

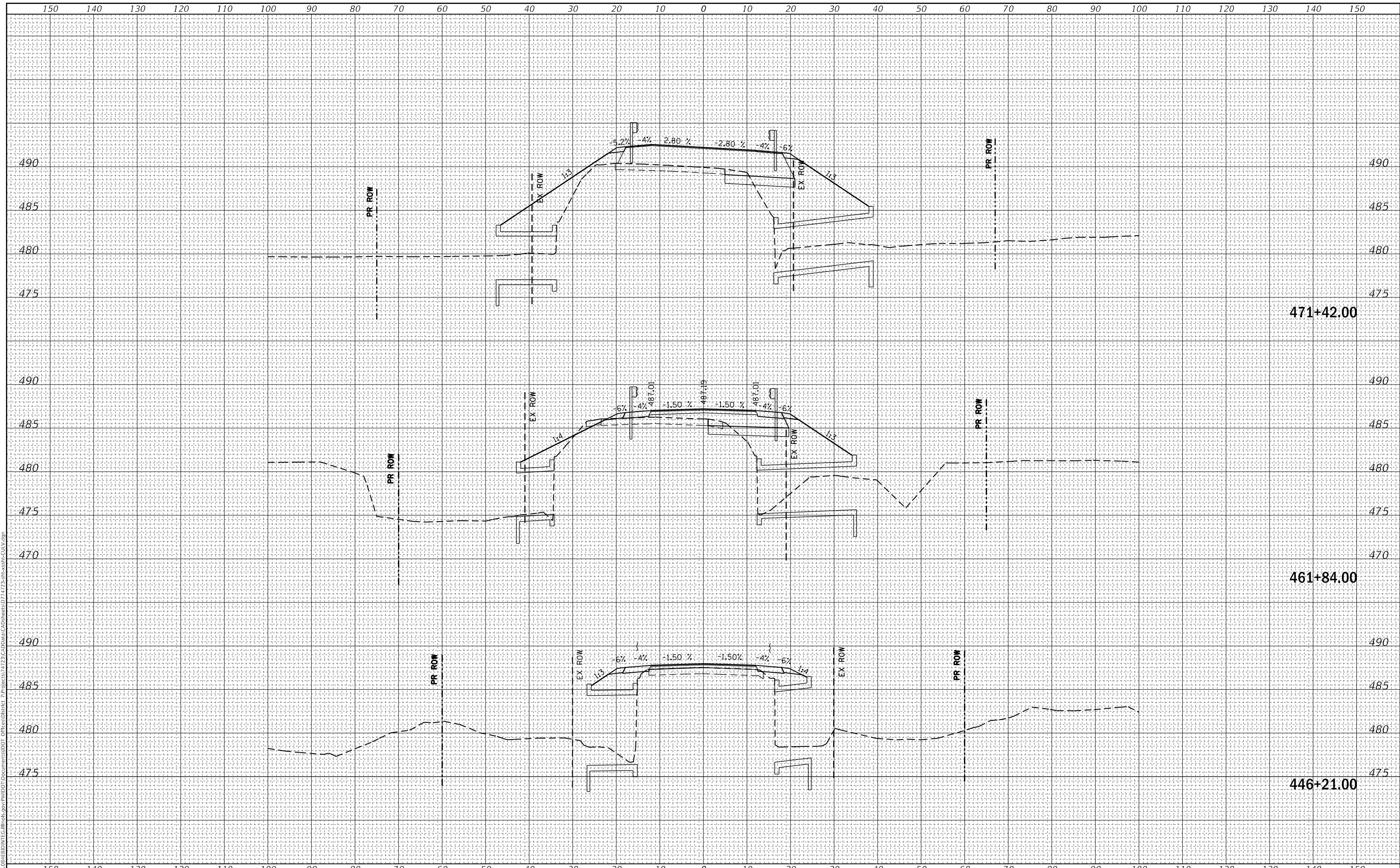


FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION CROSS SECTIONS 500N				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 20.0000' / in.	CHECKED -	REVISIED -	REVISIED -					CONTRACT NO. 74723				
Default	DATE - 10/18/2017	DATE -	REVISIED -					ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET	OF	SHEETS	STA. 101+63.47	TO	STA. 102+50.00		

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

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

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USER NAME = stefenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 10/18/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

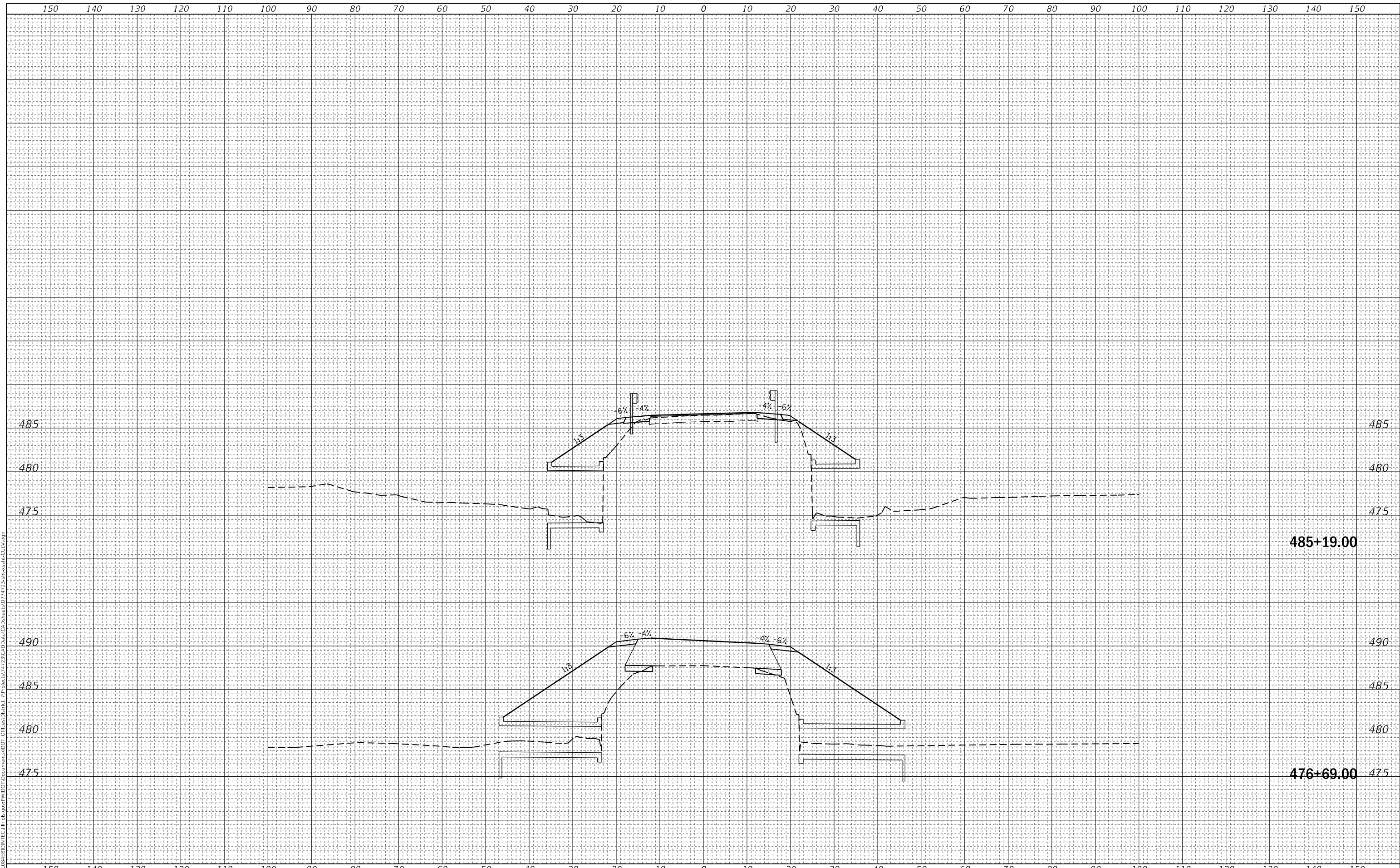
CROSS SECTIONS CULVERTS	
SCALE:	SHEET OF SHEETS STA. 446+21.00 TO STA. 471+42.00

F.A.P. RTE. 328A	SECTION 3Y	COUNTY EFFINGHAM	TOTAL SHEETS 62	SHEET NO. 61
CONTRACT NO. 74723				
ILLINOIS FED. AID PROJECT				

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

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

MODEL: Defaul
 FILE NAME: D:\ILLINOIS\EBID\NTC\Illinois\pwp\pww\DOT\Documents\DOT\Office\District 7\Projects\74723\CAD\Drawings\DOT\74723-SP-Cross-CULV.dwg



USER NAME = stefenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
CULVERTS**

SCALE: SHEET OF SHEETS STA. 476+69.00 TO STA. 485+19.00

F.A.P. RTE. 328A	SECTION 3Y	COUNTY EFFINGHAM	TOTAL SHEETS 62	SHEET NO. 62
			CONTRACT NO. 74723	
		ILLINOIS	FED. AID PROJECT	