

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	17-19135-00-BR	BUREAU	40	1
WHA# 1674M22		CONTRACT NO. 87816		
(ILLINOIS) FED. AID PROJECT				

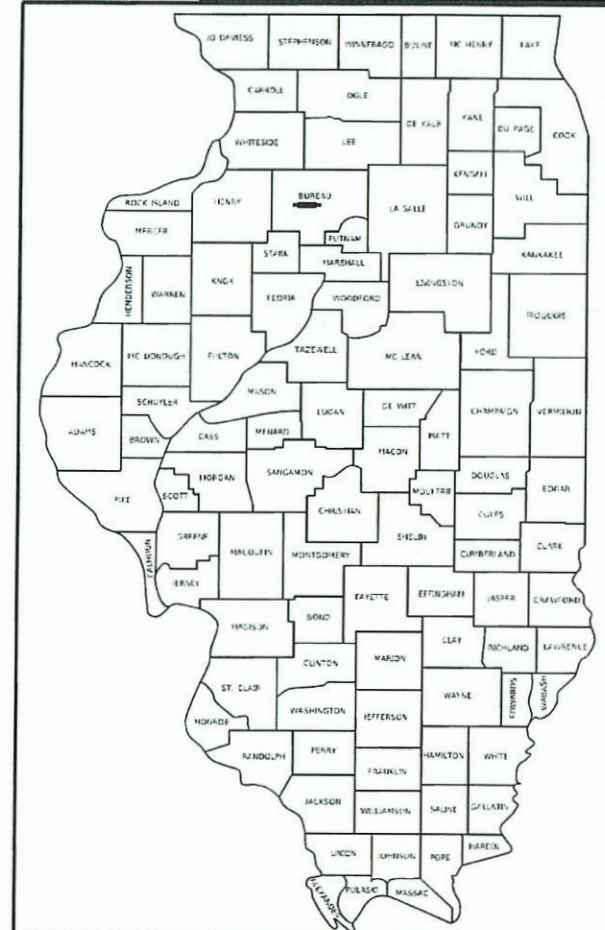
INDEX OF SHEETS:

- 1 COVER SHEET
- 2 HIGHWAY STANDARDS, GENERAL NOTES & PROJECT CONTROL
- 3-4 SUMMARY OF QUANTITIES
- 5-6 SCHEDULE OF QUANTITIES
- 7 ALIGNMENTS & CONTROL INFORMATION
- 8 TYPICAL SECTIONS
- 9-11 PLAN AND PROFILE
- 12 EROSION CONTROL SHEET
- 13-14 GENERAL PLAN AND ELEVATION
- 15 RIPRAP LAYOUT
- 16 27"x36" PPC DECK BEAM
- 17 27"x36" PPC DECK BEAM DETAILS
- 18 ABUTMENT DETAILS
- 19 STEEL RAILING, TYPE SM
- 20 METAL SHELL PILE DETAILS
- 21-24 BORING LOGS
- 25-40 CROSS SECTIONS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID PROJECT LOCAL BRIDGE FORMULA PROGRAM

T.R. 85 (2500 AVE. N.) OVER MASTERS CREEK
SECTION 17-19135-00-BR
PROJECT NUMBER 1DB6(656)
STRUCTURE REPLACEMENT
OHIO TOWNSHIP
BUREAU COUNTY
C-93-003-24



LOCATION OF SECTION INDICATED THUS: -

**FOR HIGHWAY STANDARDS
SEE SHEET NO. 2**

**FOR LIST OF UTILITIES
SEE SHEET NO. 2**

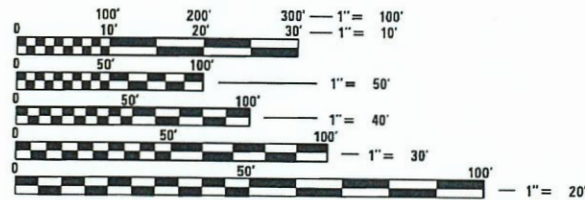
**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

FUNCTIONAL CLASSIFICATION

LOCAL ROAD (RURAL)
DESIGN SPEED 30 MPH
2024 ADT - 25

DESIGN CRITERIA

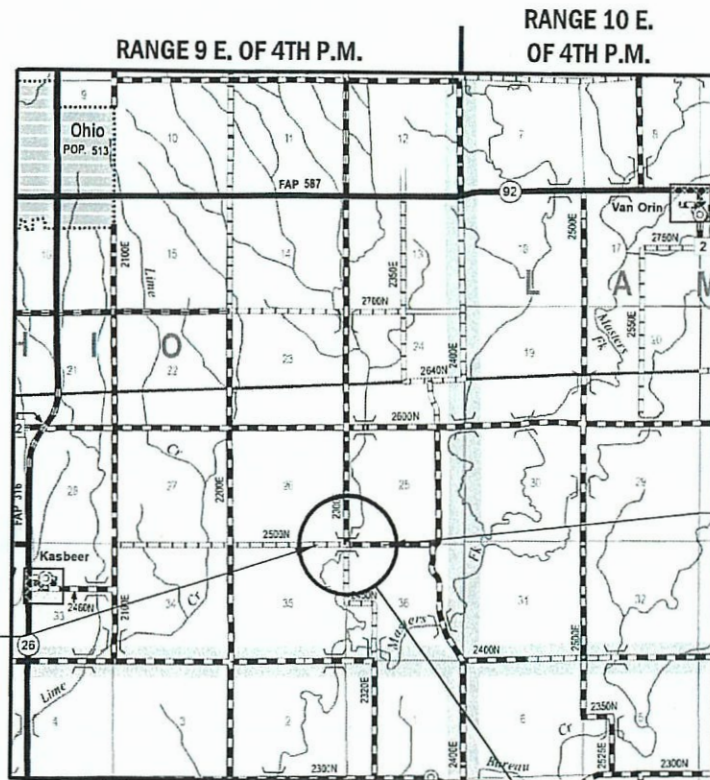
3R GUIDELINES



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. A230161235
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER – ADAM T. KUENY, P.E.
PROJECT MANAGER – MICHAEL R. LESLIE, S.E., P.E.
CONTRACT NO. 87816



Know what's below.
Call before you dig.

PROPOSED STRUCTURE: S.N. 006-4284
A SINGLE SPAN (1 @ 65'-6 $\frac{3}{8}$ ") PRECAST PRESTRESSED CONCRETE DECK BEAM BRIDGE ON SPILL THRU ABUTMENTS. 22° SKEW LEFT AHEAD.

GROSS LENGTH = 500 FT. = 0.09 MILE
NET LENGTH = 500 FT. = 0.09 MILE



DATE: 4 / 3 / 2024
EXPIRES 11/30/2025

OHIO TOWNSHIP ROAD DISTRICT	
APPROVED <u>4-3-24</u> <i>Dan Dora</i>	20__
OHIO TOWNSHIP ROAD COMMISSIONER	
BUREAU COUNTY HIGHWAY DEPARTMENT	
APPROVED <u>04/01</u> <i>John C. Spoor</i>	20 <u>24</u>
BUREAU COUNTY ENGINEER	
PASSED <u>APR 12</u> <i>[Signature]</i>	20 <u>24</u>
DISTRICT 3 LOCAL ROADS & STREETS ENGINEER	
RELEASING FOR BID BASED ON LIMITED REVIEW <u>APRIL 12</u> <i>Trisha Thompson</i>	20 <u>24</u>
REGION 2 ENGINEER	



**WILLET & HOFMANN
& ASSOCIATES INC**
ENGINEERING ARCHITECTURE LAND SURVEYING
1515 FIFTH AVENUE, SUITE 102, MOLINE, IL 61265
T: 309-517-1119 DESIGN FIRM: # 184-000918

PRINT_ORGANIZER_BW.plt:cf 3/28/2024 9:19:59 AM = PLOTTED

FILE = S:\PROJECTS\2022\1674M22.BUC.TRB8\DESIGN\CAD.SHEETS\1674M22_Cover_Sheet.dgn

THIS DOCUMENT IS THE SOLE PROPERTY OF WILLET, HOFMANN & ASSOCIATES, INC. AND MAY NOT BE COPIED OR USED BY ANY OTHER WITHOUT WRITTEN PERMISSION. © Copyright 2024 Willet, Hofmann & Associates, Inc.

GENERAL NOTES

ALL WORK COMPLETED UNDER THIS CONTRACT SHALL CONFORM TO ALL REQUIREMENTS SPECIFIED WITHIN THE ILLINOIS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2022.

IN THESE CONTRACT DOCUMENTS THE MENTION IS MADE OF THE "ENGINEER", WHICH SHALL BE DEFINED AS STATED IN ARTICLE 101.16 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL PROPERTY MARKS, SECTION OR SUBSECTION MONUMENTS ENCOUNTERED, UNTIL AN OWNER OR AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. ANY PROPERTY MARKS, SECTION OR SUBSECTION MONUMENTS, UNLESS REFERENCED, DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

THE CONTRACTOR SHALL COOPERATE WITH THE COUNTY AND ADJACENT LANDOWNERS WITH REGARDS TO ACCESS TO PRIVATE PROPERTY, AS WELL AS THE U.S. POSTAL SERVICE FOR MAIL DELIVERY.

THE LOCATION AND ELEVATION OF UNDERGROUND UTILITIES AS SHOWN ON THE PLANS ARE NOT TO BE TAKEN AS EXACT. THE CONTRACTOR SHALL VERIFY AND LOCATE ALL EXISTING UTILITIES ON OR ADJACENT TO THE SITE. PRIOR TO BEGINNING CONSTRUCTION ACTIVITIES, CONTACT J.U.L.I.E. AT 1-800-892-0123 AND THE CITY FOR EXACT FIELD LOCATION OF UTILITIES. THE CONTRACTOR SHALL USE SPECIAL CARE WHEN CONDUCTING CONSTRUCTION OPERATIONS NEAR THEM TO PREVENT DAMAGE. DAMAGE, AND THE COST TO REPAIR SAID DAMAGE, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

CONTRACTOR SHALL CLEAN UP ALL EXCESS MATERIALS AND DEBRIS CAUSED AS A RESULT OF WORK UNDER THIS CONTRACT AT THE COMPLETION OF THE PROJECT AT NO ADDITIONAL COST.

CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGE RESULTING FROM THE PERFORMANCE OF THE WORK UNDER THIS CONTRACT.

COPIES OF ALL DELIVERY TICKETS FOR MATERIALS USED IN THE PROJECT SHALL BE SUBMITTED TO THE ENGINEER OR COUNTY PRIOR TO PAYMENT FOR THE WORK. EACH MATERIAL TICKET SHALL BE PROVIDED TO THE RESIDENT ENGINEER UPON DELIVERY.

FINAL INSPECTION OF THE WORK PERFORMED UNDER THIS CONTRACT WILL BE DONE BY THE ENGINEER AND COUNTY PRIOR TO FINAL ACCEPTANCE. DEFECTS SHALL BE CORRECTED BY THE CONTRACTOR WITHOUT COST TO THE COUNTY PRIOR TO ISSUANCE OF THE FINAL PAYMENT.

HIGHWAY STANDARDS

- 000001-08 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001-02 AREAS OF REINFORCEMENT BARS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 515001-04 NAME PLATE FOR BRIDGES
- 701001-02 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 M) AWAY
- 701006-05 OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
- 701201-05 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45MPH
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701311-03 LANE CLOSURE, 2L, 2W MOVING OPERATIONS - DAY ONLY
- 701901-09 TRAFFIC CONTROL DEVICES
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 720006-04 SIGN PANEL ERECTION DETAILS
- 720011-01 METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
- 725001-01 OBJECT AND TERMINAL MARKERS
- 729001-01 APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
- B.L.R. 21-9 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
- B.L.R. 22-7 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS (TWO-LANE TWO WAY RURAL TRAFFIC) (ROAD CLOSED TO THRU TRAFFIC)

GENERAL NOTES (CONT.)

THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.39 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123. THE FOLLOWING LISTED UTILITIES LOCATED WITHIN THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS ARE MEMBERS OF JULIE:

AMEREN ELECTRIC
CHRIS COVERT
(815)-252-8372
ccovert@ameren.com
illinoisconstruction@ameren.com

FRONTIER COMMUNICATIONS
KALIN HINSHAW
(815)-895-1515
kalin.hinshaw@ftr.com

NORTHERN BORDER PIPELINE COMPANY
ROBERT SOUTHERS
(641)-919-0836
robert_southers@tcenergy.com

EXISTING MAIL BOXES, MONUMENTS, AND ANY MISC. SIGNS THAT ARE WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED AND RESET BY THE CONTRACTOR. COST OF THE REMOVING AND RESETTING TO BE INCLUDED IN THE CONTRACT UNIT PRICE BID PER UNIT FOR EARTH EXCAVATION (SPECIAL).

THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS PRIOR TO THE START OF CONSTRUCTION IN ORDER TO ARRANGE FOR APPROPRIATE CONSTRUCTION INSPECTION. WORK PERFORMED OR MATERIALS AND EQUIPMENT INSTALLED WITHOUT INSPECTION MAY BE CONSIDERED UNACCEPTABLE AT THE DISCRETION OF THE ENGINEER AND MY HAVE TO BE REPLACED AT NO COST TO THE ENGINEER OR OWNER.

EXISTING STRUCTURES (INCLUDING FOUNDATIONS, WALLS, CISTERNS, TANKS, WELLS OR OTHER UNDERGROUND STRUCTURES) WITHIN THE RIGHT-OF-WAY SHALL BE REMOVED IN ACCORDANCE WITH ARTICLE 501.04 OF THE STANDARD SPECIFICATIONS, WITHOUT ANY ADDITIONAL COMPENSATION, UNLESS OTHERWISE NOTED IN THE PLANS OR SPECIAL PROVISIONS.

ALL BORROW / WASTE / USE SITES MUST BE APPROVED BY THE DEPARTMENT / OWNER PRIOR TO REMOVING ANY MATERIAL FROM THE PROJECT OR INITIATING ANY EARTH MOVING ACTIVITIES, INCLUDING TEMPORARY STOCKPILING OUTSIDE THE LIMITS OF CONSTRUCTION.

DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL INSURE POSITIVE SITE DRAINAGE AT THE CONCLUSION OF EACH DAY. SITE DRAINAGE MAY BE ACHIEVED BY DITCHING, PUMPING OR ANY OTHER METHOD ACCEPTABLE TO THE ENGINEER. THE CONTRACTOR'S FAILURE TO PROVIDE THE ABOVE WILL PRECLUDE ANY POSSIBLE ADDED COMPENSATION REQUIRED DUE TO DELAYS OR UNSTABLE MATERIALS CREATED AS A RESULT THEREOF.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EROSION CONTROL MEASURES THROUGHOUT THE COURSE OF THE PROJECT. THE COST FOR ALL MAINTAINED AND ADJUSTMENTS TO THE EROSION CONTROL MEASURES SHALL BE INCLUDED IN THE CONTRACT UNIT BID PRICE FOR EACH EROSION CONTROL DEVICE.

REVISION	DATE	BY	REMARKS

DESIGNED	ATK
DRAWN	DAL
REVIEWED	ATK
APPROVED	MRL

BUREAU COUNTY
T.R. 85 (2500 AVE N.) OVER MASTERS CREEK
STATION 20+00



WILLET HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
1515 FIFTH AVENUE, SUITE 102, MOLINE, IL 61265
T: 309-517-1119 DESIGN FIRM: # 184-000918

GENERAL NOTES

SHEET NO. 1 OF 1 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	17-19135-00-BR	BUREAU	40	2
WHA# 1674M22		CONTRACT NO. 87816		
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

PAY CODE	PAY ITEM	UNIT	QUANTITY
	NAME		
20300100	CHANNEL EXCAVATION	CU YD	409
20400800	FURNISHED EXCAVATION	CU YD	189
20800150	TRENCH BACKFILL	CU YD	15
25100630	EROSION CONTROL BLANKET	SQ YD	2,330
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	52
28000400	PERIMETER EROSION BARRIER	FOOT	1,193
28000500	INLET AND PIPE PROTECTION	EACH	2
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	2,330
35101400	AGGREGATE BASE COURSE, TYPE B	TON	788
40200100	AGGREGATE SURFACE COURSE, TYPE A	TON	377
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	16
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
50105220	PIPE CULVERT REMOVAL	FOOT	57
50200100	STRUCTURE EXCAVATION	CU YD	102
50300225	CONCRETE STRUCTURES	CU YD	34.8

+ INDICATES SPECIALTY ITEM

PAY CODE	PAY ITEM	UNIT	QUANTITY
	NAME		
50300280	CONCRETE ENCASEMENT	CU YD	5.5
50400505	PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ FT	1,604
50800205	REINFORCEMENT BARS, EPOXY COATED	FOUND	3,310
+ 50901050	STEEL RAILING, TYPE SM	FOOT	137
51200958	FURNISHING METAL SHELL PILES 14" X 0.250"	FOOT	368
51202305	DRIVING PILES	FOOT	368
51203200	TEST PILE METAL SHELLS	EACH	2
51500100	NAME PLATES	EACH	1
542D1063	PIPE CULVERTS, CLASS D, TYPE 2 18"	FOOT	35
542D5470	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 15"	FOOT	28
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	97
67100100	MOBILIZATION	L SUM	1
+ 72500300	OBJECT MARKER - TYPE 3	EACH	4
+ 72900100	METAL POST - TYPE A	FOOT	32
Z0013798	CONSTRUCTION LAYOUT	L SUM	1

+ INDICATES SPECIALTY ITEM

PRINT_ORGANIZER-BV.plt: 3/27/2024 3:44:46 PM - PLOTTED

FILE: S:\PROJECTS\2022\1674M22.BUC_TBBS\DESIGN\CAD_SHEETS\1674M22_Summary of Quantities.dgn

This document is the copyrighted property of Willett, Hofmann & Associates, Inc., and may not be copied or used by any person without written permission. © Copyright 2024 Willett, Hofmann & Associates, Inc.

REVISION	DATE	BY	REMARKS	DESIGNED	ATK
				DRAWN	DAL
				REVIEWED	ATK
				APPROVED	MRL

BUREAU COUNTY
T.R. 85 (2500 AVE N.) OVER MASTERS CREEK
STATION 20+00



WILLETT HOFMANN & ASSOCIATES INC
 ENGINEERING ARCHITECTURE AND SURVEYING
 1515 FTH AVENUE, SUITE 101, MOLINE, IL 61205
 T. 309-512-1119 DESIGN FAX: 309-500916

SUMMARY OF QUANTITIES

SHEET NO. 1 OF 2 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	17-19135-00-BR	BUREAU	40	3
WHA* 1674M22		CONTRACT NO. 87816		
[ILLINOIS] FED. AID PROJECT				

SUMMARY OF QUANTITIES

PAY CODE	PAY ITEM	UNIT	QUANTITY
	NAME		
X2020410	EARTH EXCAVATION (SPECIAL)	CU YD	243
X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.50
X2810210	STONE RIPRAP, CLASS A5 (SPECIAL)	TON	747
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1

+ INDICATES SPECIALTY ITEM

PRINT_ORGANIZER.BW.plt:efg 3/27/2024 3:45:07 PM = PLOTTED

FILE = S:\PROJECTS\2022\1674M22\BUC...TR85\DESIGN\CAD_SHEETS\1674M22 -Summary of Quantities.dgn

THIS DOCUMENT IS THE COPYRIGHTED PROPERTY OF WILLET HOFMANN & ASSOCIATES, INC., AND MAY NOT BE COPIED OR REPRODUCED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF WILLET HOFMANN & ASSOCIATES, INC. COPYRIGHT 2024 WILLET HOFMANN & ASSOCIATES, INC.

REVISION	DATE	BY	REMARKS

DESIGNED	ATK
DRAWN	DAL
REVIEWED	ATK
APPROVED	MRL

BUREAU COUNTY
T.R. 85 (2500 AVE N.) OVER MASTERS CREEK
STATION 20+00



SUMMARY OF QUANTITIES

SHEET NO. 2 OF 2 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	17-19135-00-BR	BUREAU	40	4
WHA* 1674M22		CONTRACT NO. 67816		
[ILLINOIS] FED. AID PROJECT				

SCHEDULE OF QUANTITIES

PIPE CULVERT REMOVAL		
STATION	FOOT	REMARKS
T.R. 85		
LT 18+39.2 - RT 18+41.0	35	
2300 E. STREET (NORTH)		
LT 200+40.8 - LT 200+61.9	22	
PROJECT TOTAL		
	57	
50105220		

EROSION CONTROL BLANKET		
STATION	SQ YD	REMARKS
T.R. 85		
LT 17+20.0 - 18+72.5	293	
RT 17+20.0 - 19+50.3	402	
LT 20+50.0 - 22+20.0	305	
2300 E. STREET (NORTH)		
LT 200+59.0 - 201+50.0	170	
RT 200+08.1 - 201+50.0	366	
2300 E. STREET (SOUTH)		
LT 98+25.0 - 99+38.9	326	
RT 98+25.0 - TR 85 RT 22+20.0	468	
PROJECT TOTAL		
	2,330	
25100630		

TEMPORARY EROSION CONTRL SEEDING		
STATION	POUND	REMARKS
T.R. 85		
LT 17+20.0 - 18+72.5	7	
RT 17+20.0 - 19+50.3	9	
LT 20+50.0 - 22+20.0	7	
2300 E. STREET (NORTH)		
LT 200+59.0 - 201+50.0	4	
RT 200+08.1 - 201+50.0	8	
2300 E. STREET (SOUTH)		
LT 98+25.0 - 99+38.9	7	
RT 98+25.0 - TR 85 RT 22+20.0	10	
PROJECT TOTAL		
	52	
28000250		

PERIMETER EROSION BARRIER		
STATION	FOOT	REMARKS
I.R. 85		
LT 17+20 - 18+57	147	
RT 17+20 - 19+50	231	
LT 20+50 - 22+20	171	
2300 E. STREET (NORTH)		
LT 200+62 - 201+50	89	
RT 200+24 - 201+50	162	
2300 E. STREET (SOUTH)		
LT 98+25 - 99+12	152	
RT 98+25 - 100+00	241	
PROJECT TOTAL		
	1,193	
28000400		

INLET AND PIPE PROTECTION		
STATION	EACH	REMARKS
T.R. 85		
LI 18+39.2	1	
2300 E. STREET (NORTH)		
LT 200+66.0	1	
PROJECT TOTAL		
	2	
28000500		

TEMPORARY EROSION CONTROL BLANKET		
STATION	SQ YD	REMARKS
T.R. 85		
LT 17+20.0 - 18+72.5	293	
RT 17+20.0 - 19+50.3	402	
LT 20+50.0 - 22+20.0	305	
2300 E. STREET (NORTH)		
LT 200+59.0 - 201+50.0	170	
RT 200+08.1 - 201+50.0	366	
2300 E. STREET (SOUTH)		
LT 98+25.0 - 99+38.9	326	
RT 98+25.0 - TR 85 RT 22+20.0	468	
PROJECT TOTAL		
	2,330	
28001100		

SEEDING, CLASS 2 (SPECIAL)		
STATION	ACRE	REMARKS
T.R. 85		
LT 17+20.0 - 18+72.5	0.07	
RT 17+20.0 - 19+50.3	0.08	
LT 20+50.0 - 22+20.0	0.07	
2300 E. STREET (NORTH)		
LT 200+59.0 - 201+50.0	0.04	
RT 200+08.1 - 201+50.0	0.08	
2300 E. STREET (SOUTH)		
LT 98+25.0 - 99+38.9	0.07	
RT 98+25.0 - TR 85 RT 22+20.0	0.09	
PROJECT TOTAL		
	0.50	
X2501020		

TRENCH BACKFILL		
STATION	CU YD	REMARKS
T.R. 85		
LT 18+39.2 - RT 18+41.0	10	18" PIPE CULVERT
2300 E. STREET (NORTH)		
F.E. 200+51 LT	5	EQRS 15" ENTRANCE CULVERT
PROJECT TOTAL		
	15	
20800150		

AGGREGATE BASE COURSE, TYPE B		
STATION	TON	REMARKS
T.R. 85		
17+20.0 - 19+65.9	237	8" CA-02 OR CS01
20+34.1 - 22+20.0	179	8" CA-02 OR CS01
2300 E. STREET (NORTH)		
200+09.4 - 201+50.0	181	8" CA-02 OR CS01
2300 E. STREET (SOUTH)		
98+25.0 - 99+66.4	191	8" CA-02 OR CS01
PROJECT TOTAL		
	788	
35101400		

AGGREGATE SURFACE COURSE, TYPE A		
STATION	TON	REMARKS
T.R. 85		
17+20.0 - 19+65.9	112	4" OF CA-06
20+34.1 - 22+20.0	85	
2300 E. STREET (NORTH)		
200+09.4 - 201+50.0	88	
2300 E. STREET (SOUTH)		
98+25.0 - 99+66.4	92	
PROJECT TOTAL		
	377	
40200100		

AGGREGATE SURFACE COURSE, TYPE B		
STATION	TON	REMARKS
2300 E. STREET (NORTH)		
F.E. 200+51 LT	16	8" OF CA-06
PROJECT TOTAL		
	16	
40200800		

PIPE CULVERTS, CLASS D, TYPE 2 18"		
STATION	FOOT	REMARKS
T.R. 85		
LT 18+39.2 - RT 18+41.0	35	
PROJECT TOTAL		
	35	
542D1063		

PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 15"		
STATION	FOOT	REMARKS
2300 E. STREET (NORTH)		
F.E. 200+51 LT	28	
PROJECT TOTAL		
	28	
542D5470		

PRINT_ORGANIZER.BW.plt.ctb 3/27/2024 3:45:12 PM - PLOTTED

FILE = S:\PROJECTS\2022\1674M22.BUC.TR85.DESIGN\CAD.SHEETS\1674M22.Schedule of Quantities.dgn

REVISION	DATE	BY	REMARKS

DESIGNED	ATK
DRAWN	DAL
REVIEWED	ATK
APPROVED	MRL

BUREAU COUNTY
T.R. 85 (2500 AVE N.) OVER MASTERS CREEK
STATION 20+00



SCHEDULE OF QUANTITIES
SHEET NO. 1 OF 2 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	17-19135-00-BR	BUREAU	40	5
WHA# 1674M22		CONTRACT NO. 87816		
ILLINOIS FED. AID PROJECT				

This document is the copyrighted property of Willett, Hofmann & Associates, Inc., and may not be copied or used by any person without written permission. © Copyright 2024 Willett, Hofmann & Associates, Inc.

SCHEDULE OF QUANTITIES

EARTHWORK SCHEDULE

OBJECT MARKER - TYPE 3		
STATION	EACH	REMARKS
T.R. 85		
LI 19+69	1	
RT 19+69	1	
LT 20+30	1	
RT 20+30	1	
PROJECT TOTAL	4	
72500300		

METAL POST - TYPE A		
STATION	FOOT	REMARKS
T.R. 85		
LT 19+69	8	
RT 19+69	8	
LT 20+30	8	
RT 20+30	8	
PROJECT TOTAL	32	
72900100		

LOCATION	(A) EARTH EXCAVATION (SPECIAL) X2020410 (Cu Yd)	(B) ESTIMATED UNUSABLE ROADWAY MATERIAL (Cu Yd)	(C) 0.75*(A-B) EARTH EXCAVATION ADJUSTED FOR SHRINKAGE 25% (Cu Yd)	(D) CHANNEL EXCAVATION 20300100 (Cu YD)	(E) 0.35*D CHANNEL EXCAVATION ADJUSTED FOR SHRINKAGE 65% (Cu YD)	(F) EMBANKMENT (Cu YD)	(G) (C+E-F) EARTH BALANCE WASTE (+) OR FURNISHED EXCAVATION (-) 20400800 (Cu YD)
2300 E. St. N.	55	29	19			42	-23
2300 E. St. S.	66	28	29			43	-15
TR 85	122	72	37	409	143	332	-152
TOTALS	243	130	85	409	143	417	-189

REVISION	DATE	BY	REMARKS

DESIGNED	ATK
DRAWN	DAL
REVIEWED	ATK
APPROVED	MRL

BUREAU COUNTY
T.R. 85 (2500 AVE N.) OVER MASTERS CREEK
STATION 20+00



SCHEDULE OF QUANTITIES

SHEET NO. 2 OF 2 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	17-19135-00-BR	BUREAU	40	6
WHA # 1674M22		CONTRACT NO. 87816		
ILLINOIS FED. AID PROJECT				

BENCH MARK #400: FD. CHIS. "+" N.W. HUBGARD ON STRUCTURE,
12.3' LT. OF STA. 19+70.47, EL. 733.81

BENCH MARK #401: RR SPK IN PP ON 2300 ST. E., S. OF
2500 AVE., E. SIDE 2300 ST., 123.7' RT. OF
STA. 20+23.24, EL. 730.48

BENCH MARK #402: RR SPIKE IN 1ST PP E. OF STRUCTURE,
S. SIDE 2500 AVE., 26.8' RT. OF
STA. 22+54.39, EL. 731.87

T.R. 312 (2500 ST. E) - HORIZONTAL CONTROL POINTS					
PT #	STA	N	E	ELEV.	DESCRIPTION
1	11.0' RT 14+69.84	1764675.91	2502575.76	733.58	3/8" IP w/CAP
2	14.9' LT. 18+43.14	1764702.59	2502949.17	730.17	3/8" IP w/CAP
3	13.0' LT. 21+72.12	1764700.00	2503278.05	731.55	3/8" IP w/CAP
4	11.9' RT. 25+54.00	1764674.71	2503659.93	744.02	3/8" IP w/CAP

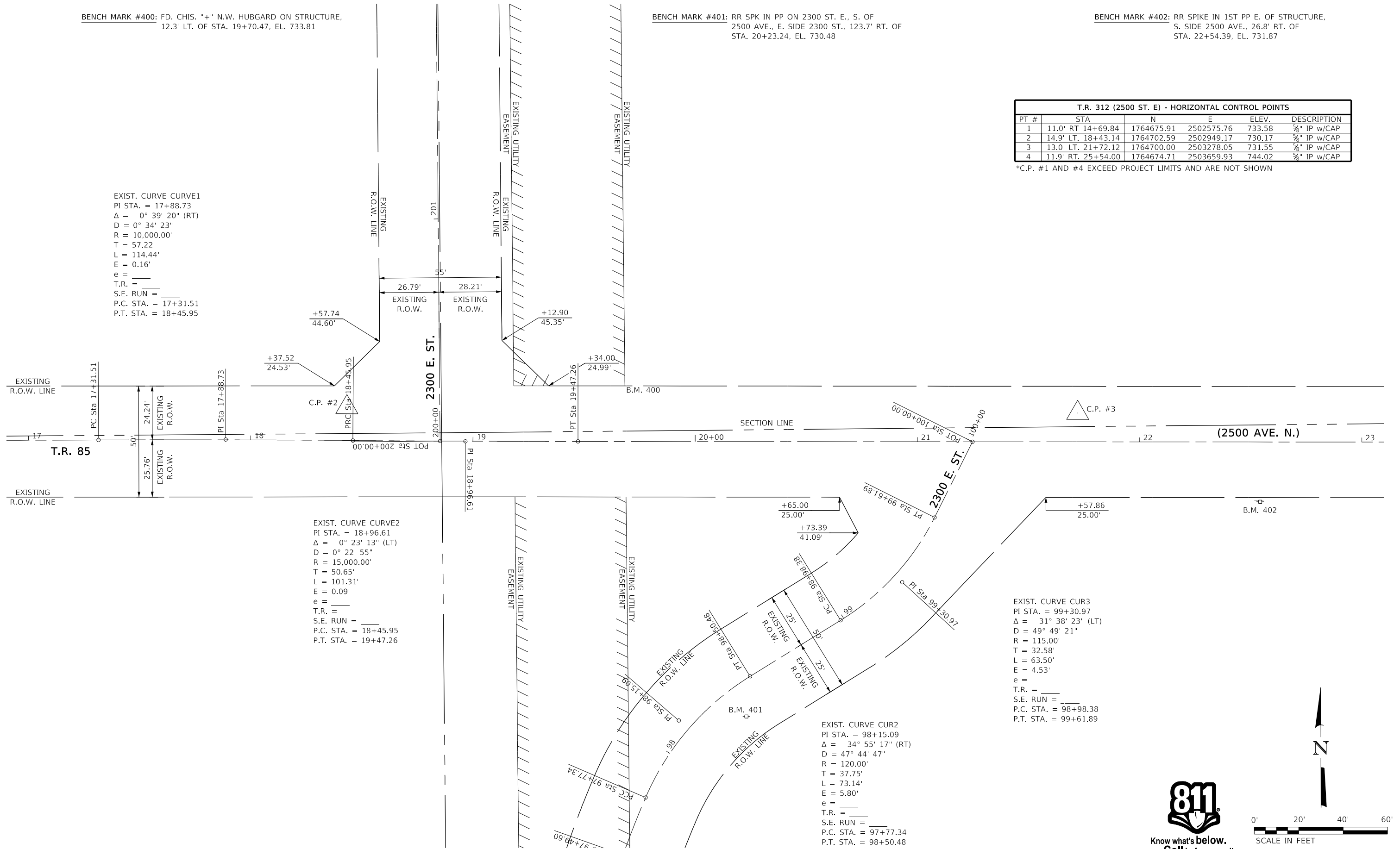
*C.P. #1 AND #4 EXCEED PROJECT LIMITS AND ARE NOT SHOWN

EXIST. CURVE CURVE1
PI STA. = 17+88.73
Δ = 0° 39' 20" (RT)
D = 0° 34' 23"
R = 10,000.00'
T = 57.22'
L = 114.44'
E = 0.16'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 17+31.51
P.T. STA. = 18+45.95

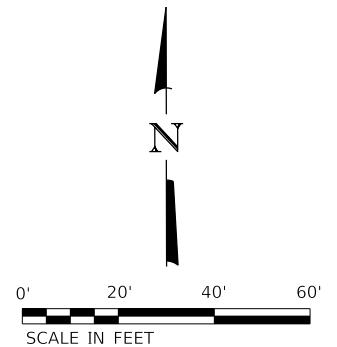
EXIST. CURVE CURVE2
PI STA. = 18+96.61
Δ = 0° 23' 13" (LT)
D = 0° 22' 55"
R = 15,000.00'
T = 50.65'
L = 101.31'
E = 0.09'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 18+45.95
P.T. STA. = 19+47.26

EXIST. CURVE CUR3
PI STA. = 99+30.97
Δ = 31° 38' 23" (LT)
D = 49° 49' 21"
R = 115.00'
T = 32.58'
L = 63.50'
E = 4.53'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 98+98.38
P.T. STA. = 99+61.89

EXIST. CURVE CUR2
PI STA. = 98+15.09
Δ = 34° 55' 17" (RT)
D = 47° 44' 47"
R = 120.00'
T = 37.75'
L = 73.14'
E = 5.80'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 97+77.34
P.T. STA. = 98+50.48



Know what's below.
Call before you dig.



REVISION	DATE	BY	REMARKS

DESIGNED	ATK
DRAWN	C.J.I
REVIEWED	GBG
APPROVED	MRL

BUREAU COUNTY
T.R. 85 (2500 AVE N.) OVER MASTERS CREEK
STATION 20+00

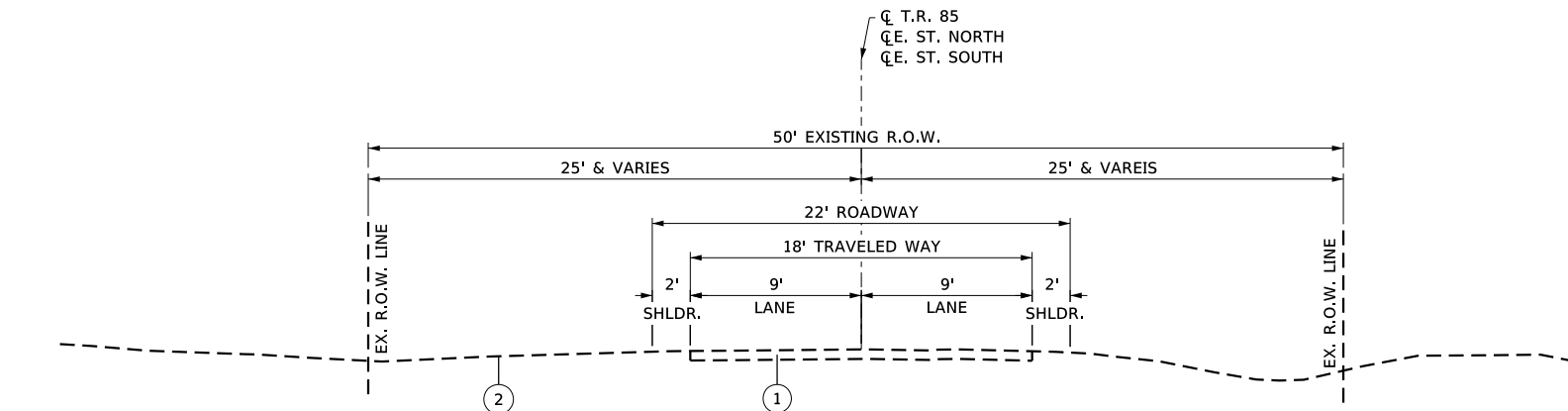


ALIGNMENTS & CONTROL INFORMATION
TR 85 AND 2300 E. ST.
SHEET NO. 1 OF 1 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	17-19135-00-BR	BUREAU	40	7
WHA# 1674M22		CONTRACT NO. 87816		
ILLINOIS FED. AID PROJECT				

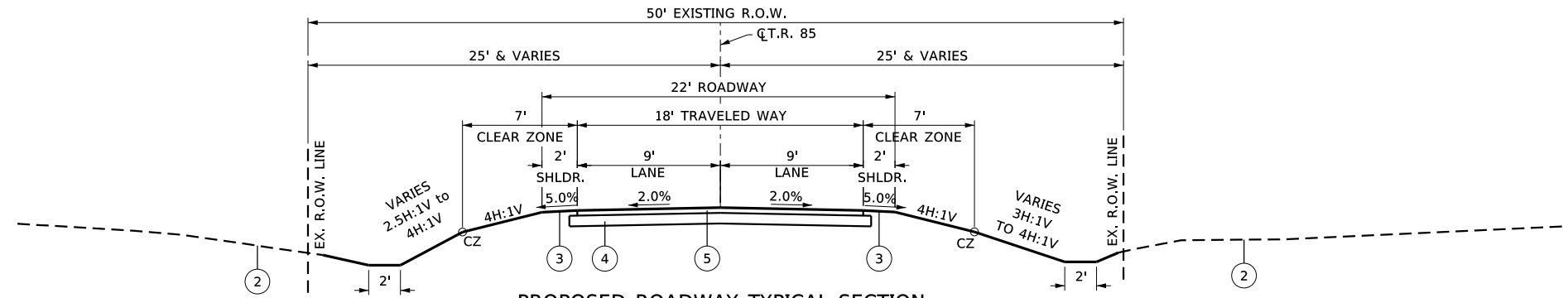
LEGEND

- ① EXISTING ROADWAY
- ② EXISTING GROUND
- ③ EARTH SHOULDER (TYP)
- ④ AGGREGATE BASE COURSE TYPE B (8" CA2 ONLY)
- ⑤ AGGREGATE SURFACE COURSE TYPE A (4" CA6 ONLY)



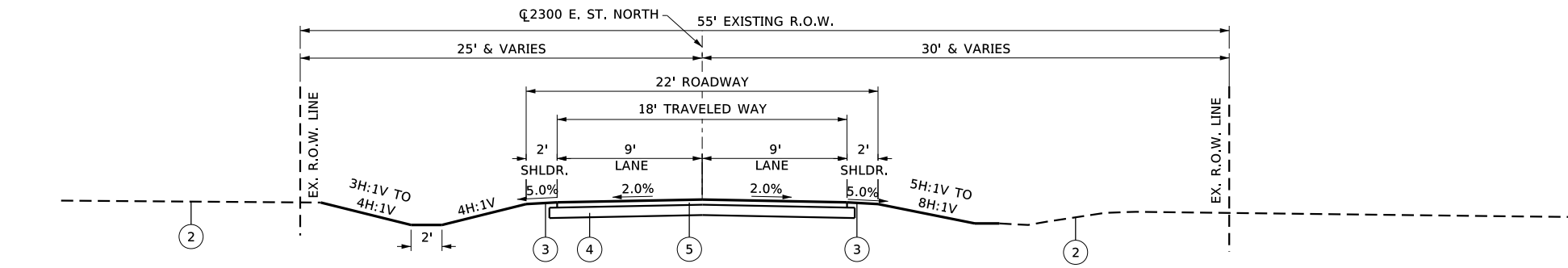
EXISTING ROADWAY TYPICAL SECTION

T.R. 85 STATION 17+20.00 TO 19+65.86
 T.R. 85 STATION 20+34.14 TO 22+20.00
 2300 E. ST. NORTH STATION 200+00 TO 201+45
 2300 E. ST. SOUTH STATION 98+25 TO 100+00



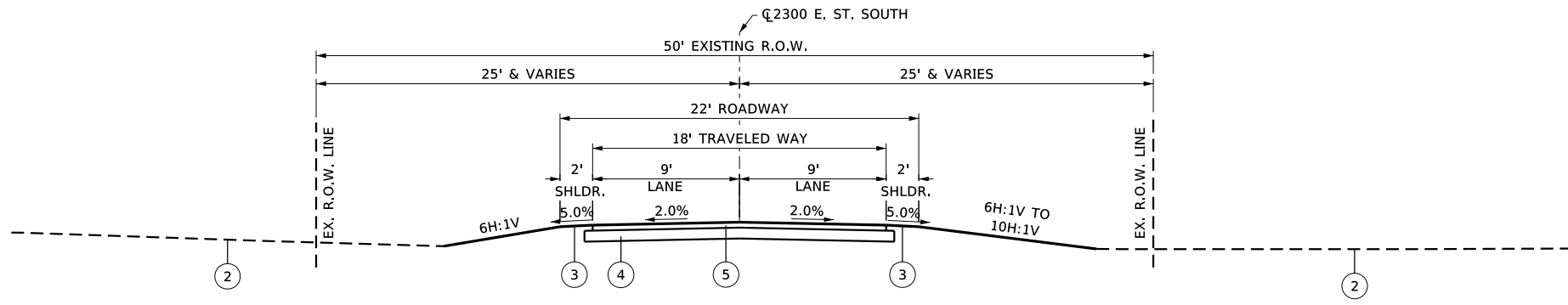
PROPOSED ROADWAY TYPICAL SECTION

T.R. 85 STATION 17+20.00 TO 19+65.86
 T.R. 85 STATION 20+34.14 TO 22+20.00



PROPOSED ROADWAY TYPICAL SECTION

2300 E. ST. NORTH STATION 200+00 TO 201+45



PROPOSED ROADWAY TYPICAL SECTION

2300 E. ST. SOUTH STATION 98+25 TO 100+00

REVISION	DATE	BY	REMARKS

DESIGNED	ATK
DRAWN	C.J.I
REVIEWED	GBG
APPROVED	MRL

BUREAU COUNTY
T.R. 85 (2500 AVE N.) OVER MASTERS CREEK
STATION 20+00



TYPICAL SECTIONS

SHEET NO. 1 OF 1 SHEETS

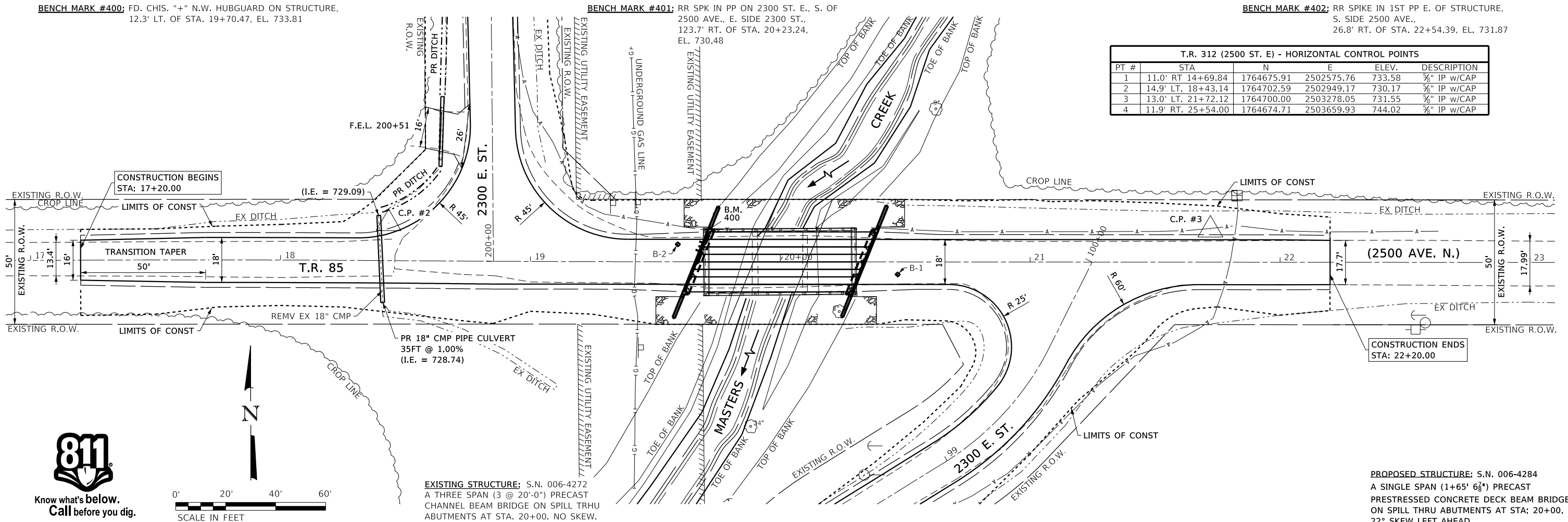
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	17-19135-00-BR	BUREAU	40	8
WHA # 1674M22		CONTRACT NO. 87816		
ILLINOIS FED. AID PROJECT				

BENCH MARK #400: FD. CHIS. "+" N.W. HUBGUARD ON STRUCTURE,
12.3' LT. OF STA. 19+70.47, EL. 733.81

BENCH MARK #401: RR SPK IN PP ON 2300 ST. E., S. OF
2500 AVE., E. SIDE 2300 ST.,
123.7' RT. OF STA. 20+23.24,
EL. 730.48

BENCH MARK #402: RR SPIKE IN 1ST PP E. OF STRUCTURE,
S. SIDE 2500 AVE.,
26.8' RT. OF STA. 22+54.39, EL. 731.87

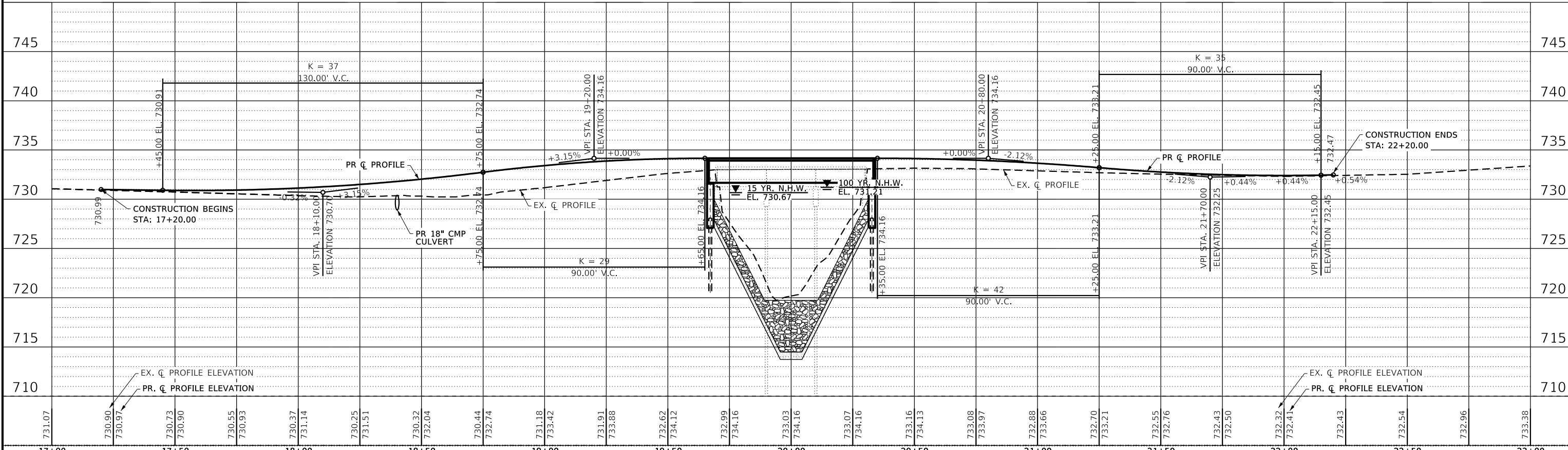
T.R. 312 (2500 ST. E) - HORIZONTAL CONTROL POINTS					
PT #	STA	N	E	ELEV.	DESCRIPTION
1	11.0' RT 14+69.84	1764675.91	2502575.76	733.58	3/8" IP w/CAP
2	14.9' LT. 18+43.14	1764702.59	2502949.17	730.17	3/8" IP w/CAP
3	13.0' LT. 21+72.12	1764700.00	2503278.05	731.55	3/8" IP w/CAP
4	11.9' RT. 25+54.00	1764674.71	2503659.93	744.02	3/8" IP w/CAP



Know what's below.
Call before you dig.



EXISTING STRUCTURE: S.N. 006-4272
A THREE SPAN (3 @ 20'-0") PRECAST
CHANNEL BEAM BRIDGE ON SPILL THRU
ABUTMENTS AT STA. 20+00. NO SKEW.



REVISION	DATE	BY	REMARKS

DESIGNED	GBG
DRAWN	GBG
REVIEWED	ATK
APPROVED	MRL

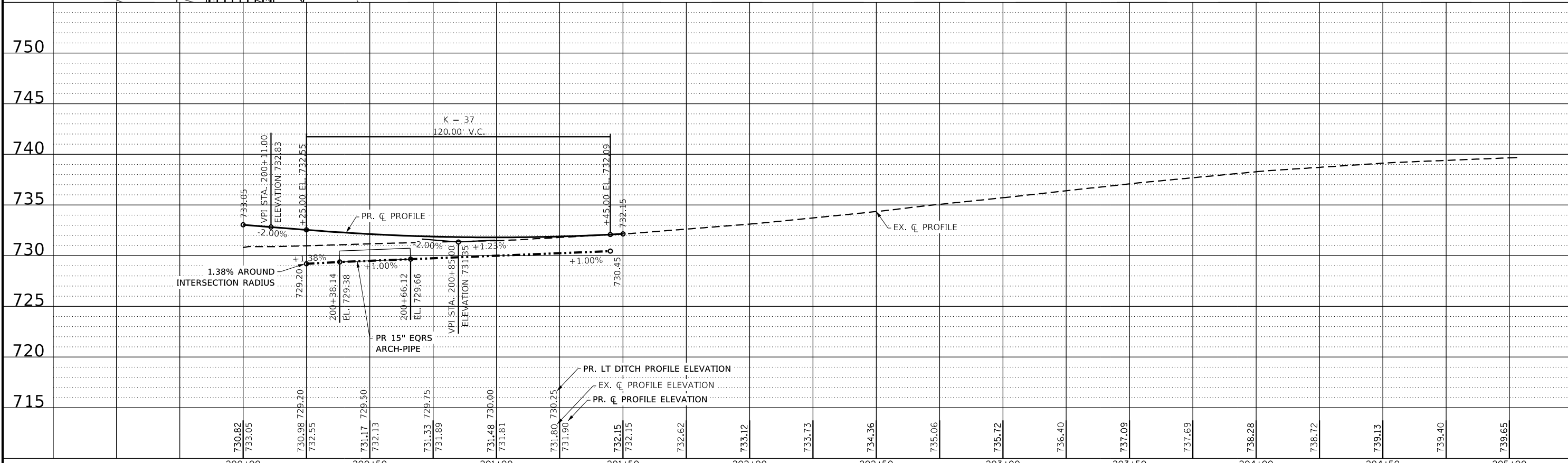
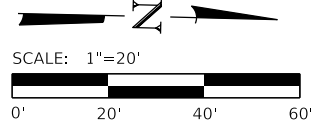
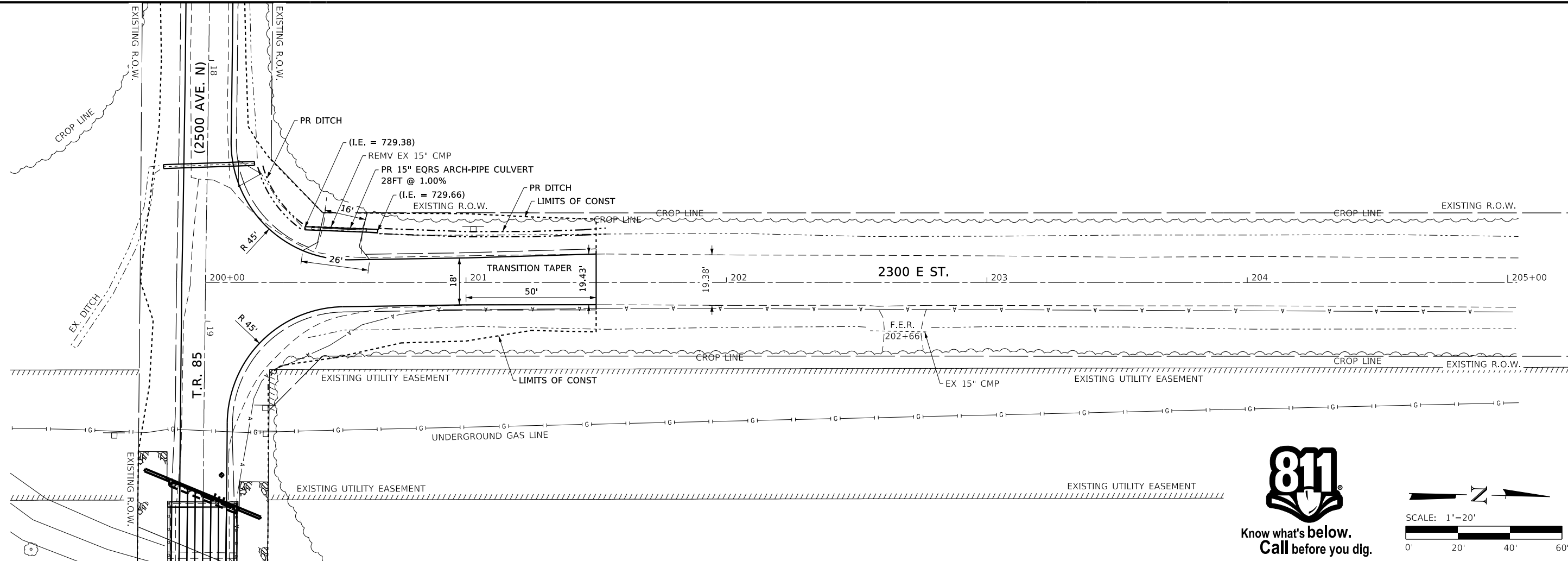
BUREAU COUNTY
T.R. 85 (2500 AVE N.) OVER MASTERS CREEK
STATION 20+00



WILLET HOFMANN & ASSOCIATES INC
ENGINEERING ARCHITECTURE LAND SURVEYING
1515 FIFTH AVENUE, SUITE 102, MOLINE, IL 61265
T: 309-517-1119 DESIGN FIRM: # 184-000918

PLAN AND PROFILE
T.R. 85
SHEET NO. 1 OF 1 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	17-19135-00-BR	BUREAU	40	9
WHA# 1674M22		CONTRACT NO. 87816		
ILLINOIS FED. AID PROJECT				



REVISION	DATE	BY	REMARKS

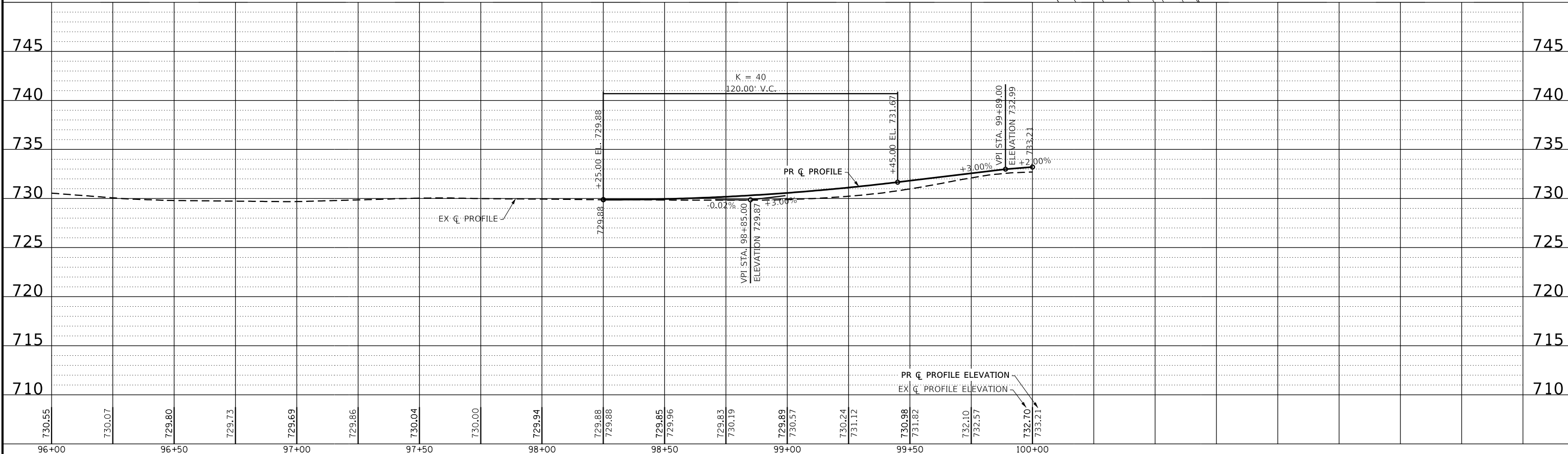
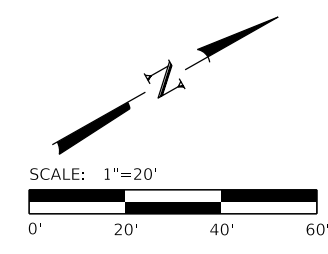
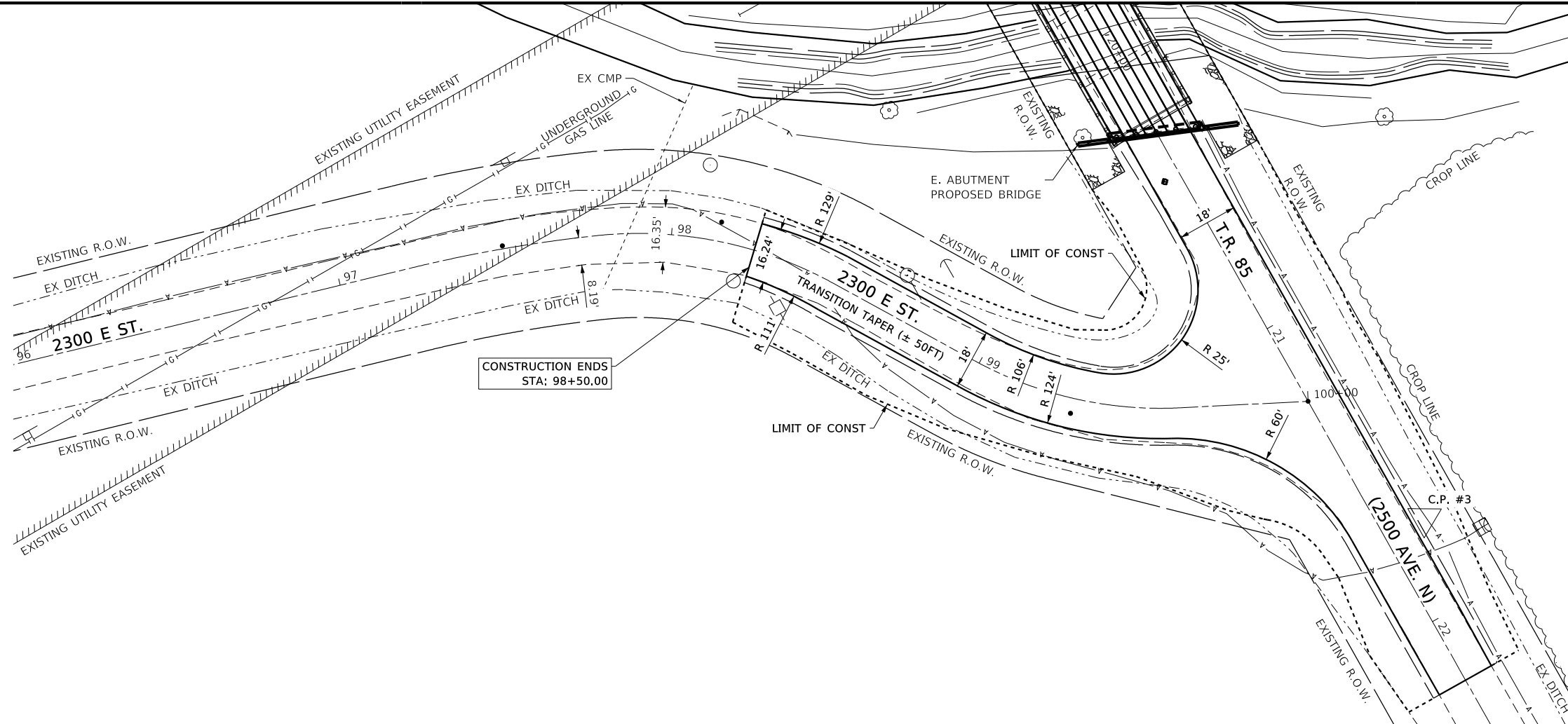
DESIGNED	ATK
DRAWN	DAL
REVIEWED	ATK
APPROVED	MRL

BUREAU COUNTY
T.R. 85 (2500 AVE. N.) OVER MASTERS CREEK
STATION 20+00

WILLET-HOFMANN & ASSOCIATES, INC.
 ENGINEERING ARCHITECTURE LAND SURVEYING
 1515 FIFTH AVENUE, SUITE 102, MOLINE, IL 61265
 T: 309-517-1119 DESIGN FIRM: # 184-000918

PLAN AND PROFILE
2300E - NORTH
SHEET NO. 1 OF 1 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	17-19135-00-BR	BUREAU	40	10
WHA# 1674M22		CONTRACT NO. 87816		
ILLINOIS FED. AID PROJECT				



REVISION	DATE	BY	REMARKS

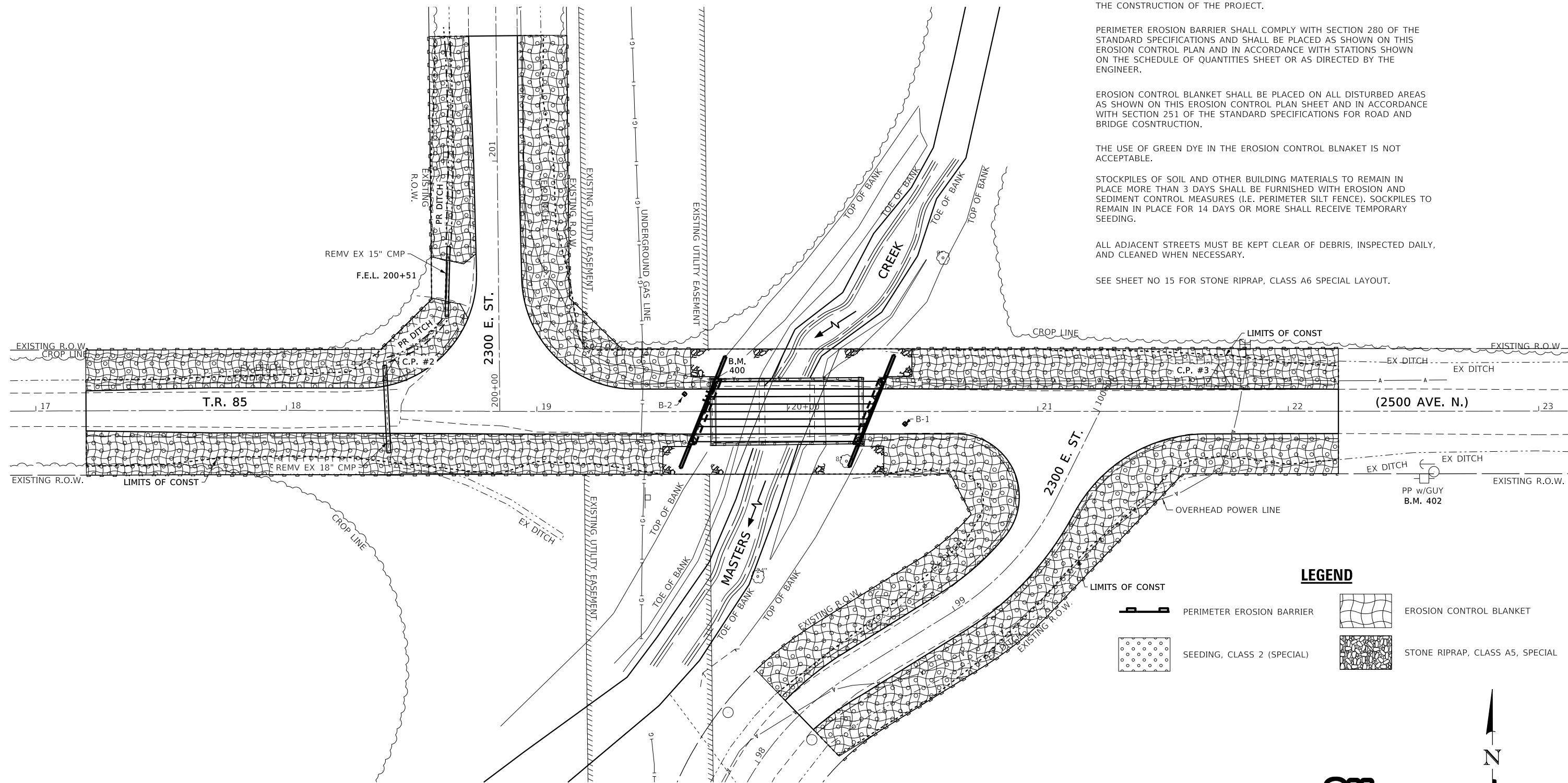
DESIGNED	ATK
DRAWN	DAL
REVIEWED	ATK
APPROVED	MRL

BUREAU COUNTY
T.R. 85 (2500 AVE. N.) OVER MASTERS CREEK
STATION 20+00



PLAN AND PROFILE
2300E - SOUTH
SHEET NO. 1 OF 1 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	17-19135-00-BR	BUREAU	40	11
WHA# 1674M22		CONTRACT NO. 87816		
ILLINOIS FED. AID PROJECT				



EROSION CONTROL NOTES

THE SOIL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE INSPECTED WEEKLY AND AFTER 1/2" OF RAIN OR MORE BY THE INDIVIDUAL ON SITE IN CHARGE OF SOIL EROSION AND SEDIMENT CONTROL DURING THE CONSTRUCTION OF THE PROJECT.

PERIMETER EROSION BARRIER SHALL COMPLY WITH SECTION 280 OF THE STANDARD SPECIFICATIONS AND SHALL BE PLACED AS SHOWN ON THIS EROSION CONTROL PLAN AND IN ACCORDANCE WITH STATIONS SHOWN ON THE SCHEDULE OF QUANTITIES SHEET OR AS DIRECTED BY THE ENGINEER.

EROSION CONTROL BLANKET SHALL BE PLACED ON ALL DISTURBED AREAS AS SHOWN ON THIS EROSION CONTROL PLAN SHEET AND IN ACCORDANCE WITH SECTION 251 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.





THE USE OF GREEN DYE IN THE EROSION CONTROL BLANKET IS NOT ACCEPTABLE.

STOCKPILES OF SOIL AND OTHER BUILDING MATERIALS TO REMAIN IN PLACE MORE THAN 3 DAYS SHALL BE FURNISHED WITH EROSION AND SEDIMENT CONTROL MEASURES (I.E. PERIMETER SILT FENCE). SOCKPILES TO REMAIN IN PLACE FOR 14 DAYS OR MORE SHALL RECEIVE TEMPORARY SEEDING.

ALL ADJACENT STREETS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY, AND CLEANED WHEN NECESSARY.

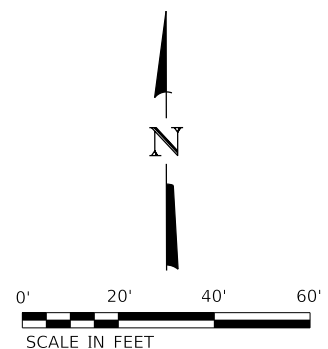
SEE SHEET NO 15 FOR STONE RIPRAP, CLASS A6 SPECIAL LAYOUT.

LEGEND

-  PERIMETER EROSION BARRIER
-  EROSION CONTROL BLANKET
-  SEEDING, CLASS 2 (SPECIAL)
-  STONE RIPRAP, CLASS A5, SPECIAL



Know what's below.
Call before you dig.



REVISION	DATE	BY	REMARKS

DESIGNED	ATK
DRAWN	DAL
REVIEWED	ATK
APPROVED	MRL

BUREAU COUNTY
T.R. 85 (2500 AVE. N.) OVER MASTERS CREEK
STATION 20+00



WILLET HOFMANN & ASSOCIATES, INC.
 ENGINEERING ARCHITECTURE LAND SURVEYING
 1515 FIFTH AVENUE, SUITE 102, MOLINE, IL 61265
 T. 309-517-1119 DESIGN FIRM: # 184-000918

EROSION CONTROL PLAN

SCALE: 1" = 20'-0" SHEET 1 OF 2 SHEETS STA. 17+00 TO STA. 23+00

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	17-19135-00-BR	BUREAU	40	12
WHA# 1674M22		CONTRACT NO. 87816		
ILLINOIS FED. AID PROJECT				

PRINT_ORGANIZER-BW.pltcf 3/13/2024 9:07:27 AM - PLOTTED

Existing Structure: S.N. 006-4272 A three span (3 @ 20'-0") PC Channel Beam Bridge on Spill Thru Abutments at Sta. 20+00. No Skew.

Bench Mark: WHA #400 Chiseled " " in S.W. corner of hub guard. Elevation 864.59

No Salvage.

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
PRECAST PRESTRESSED UNITS
f'c = 6,000 psi
f'ci = 5,000 psi
fpu = 270,000 psi (1/2" Ø Low Lax Strands)
fpbt = 201,960 psi (1/2" Ø Low Lax Strands)

HIGHWAY CLASSIFICATION

T.R. 85 - 2500 Ave. N
Functional Class: Local Road
ADT: 25 (2024 - Current); 25 (2024 - Design)
ADTT: 0 (2024 - Current); 0 (2024 - Design)
DHW: 3
Design Speed: 30 m.p.h.
Posted Speed: 55 m.p.h.
Two-Way Traffic
Directional Distribution: 50:50

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (SD1) = 0.111
Design Spectral Acceleration at 0.2 sec. (SDS) = 0.166
Soil Site Class = D

INDEX OF STRUCTURAL SHEETS

- 1 General Plan and Elevation
2 General Data
3 Riprap and Pile Layout
4 27" x 36" PPC Deck Beam
5 27" x 36" PPC Deck Beam Details
6 Abutment Details
7 Steel Railing, Type SM Details
8 Metal Shell Pile Details
9-12 Boring Logs

DESIGN SCOUR ELEVATION TABLE

Table with 4 columns: Event / Limit State, Design Scour Elevations (ft.) W. Abut., E. Abut., and Item 113. Rows include Q100, Q200, Design, and Check.

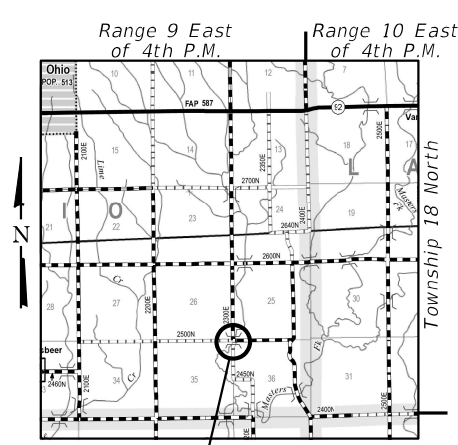
MASTERS CREEK
BUILT 20__ BY
BUREAU COUNTY
SECTION 17-19135-00-BR
2500 AVE. N STA. 20+00
STR. NO. 006-4284 LOADING HL-93

NAME PLATE LETTERING

Refer To Std. 515001

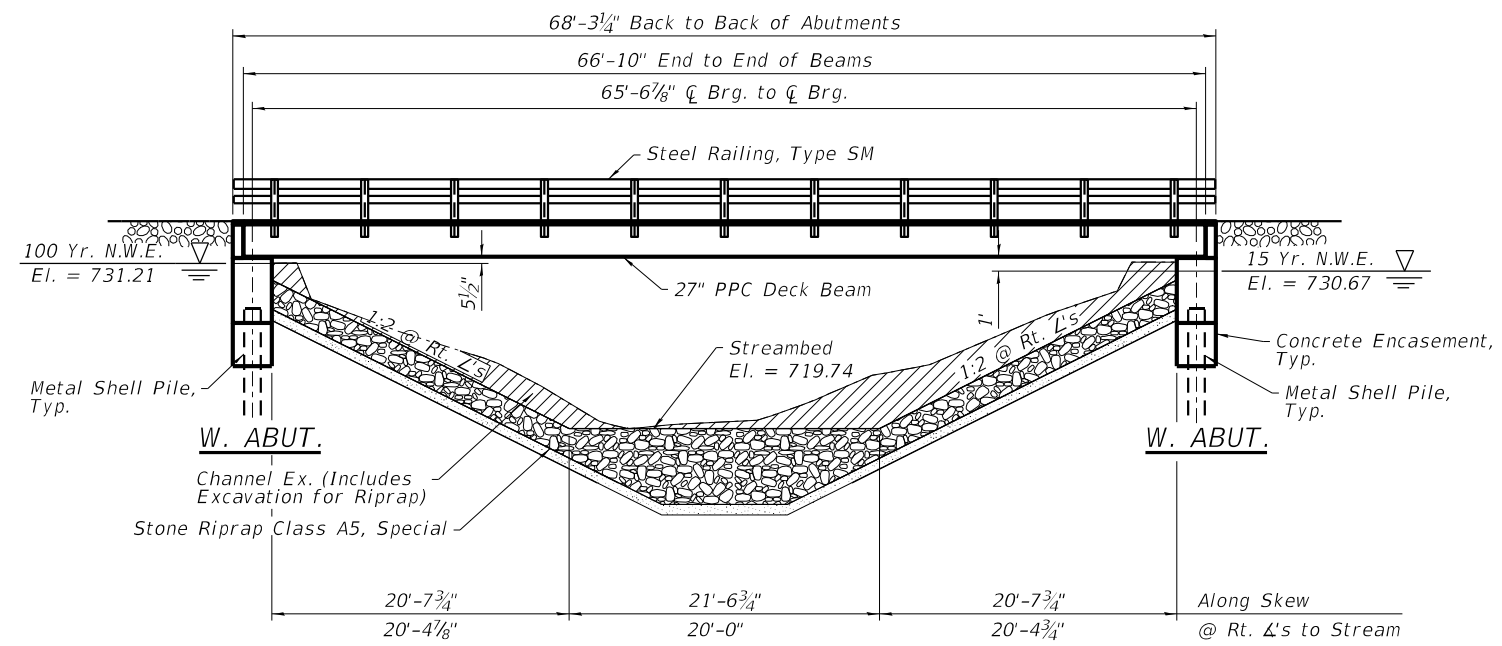
WATERWAY INFORMATION

Table with columns: Flood, Freq. Yr., Q C.F.S., Opening Sq. Ft. (Exist., Prop.), Nat. H.W.E., Head - ft. (Exist., Prop.), and Headwater El. (Exist., Prop.).

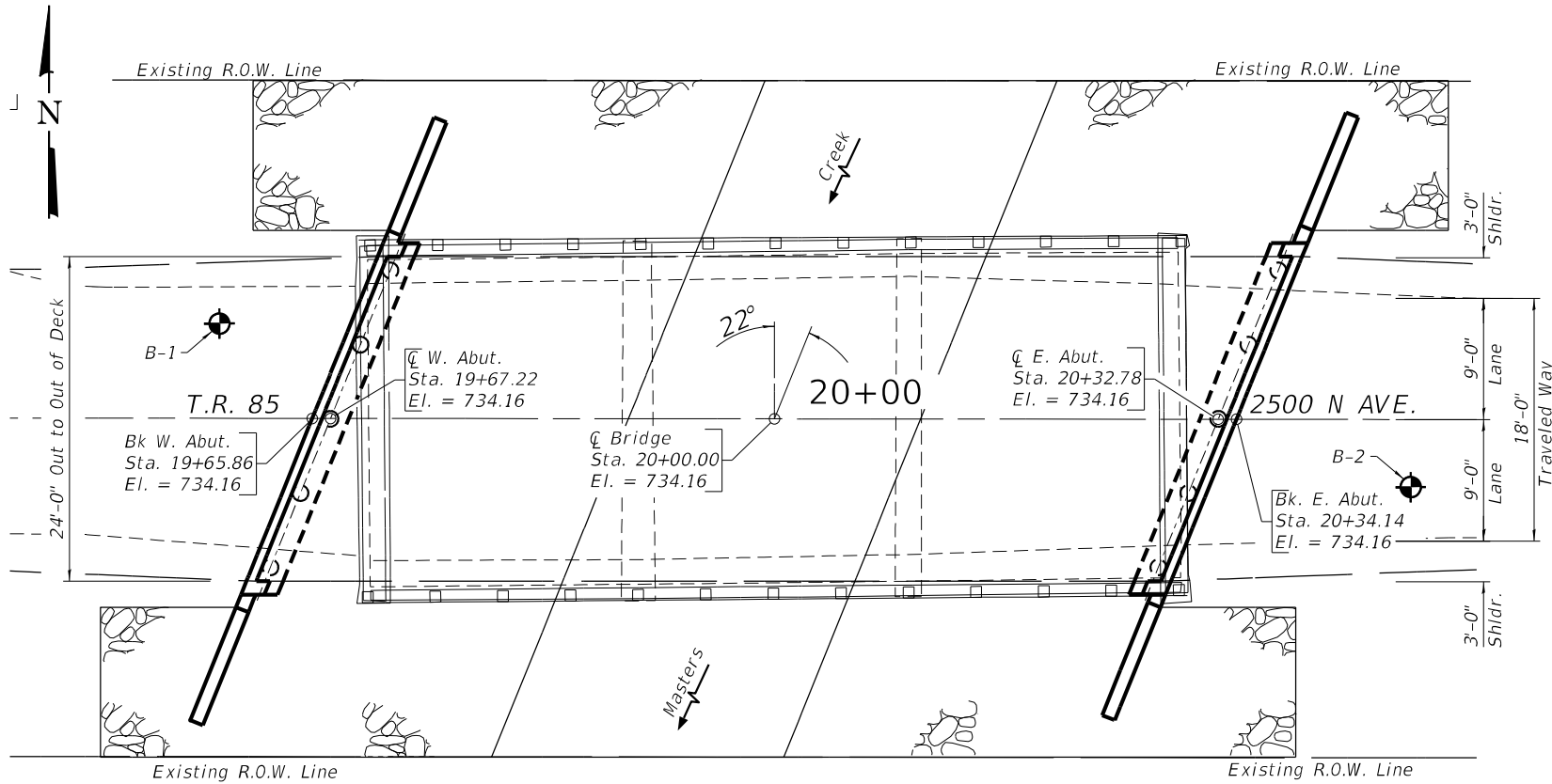


LOCATION SKETCH

GENERAL PLAN AND ELEVATION
T.R. 85 (2500 N AVE.)
OVER MASTERS CREEK
SECTION 17-19135-00-BR
EXISTING S.N. 006-4272
PROPOSED S.N. 006-4284
OHIO TOWNSHIP
BUREAU COUNTY
STATION 20+00



ELEVATION VIEW



PLAN



DATE: 04/03/2024
EXPIRES 11/30/24

I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans, the design is an economical one for the style of structure and complies with requirements of the current AASHTO Bridge Design Specifications.

REVISION table with columns: REVISION, DATE, BY, REMARKS, DESIGNED, DRAWN, REVIEWED, APPROVED.

BUREAU COUNTY
T.R. 85 (2500 AVE N.) OVER MASTERS CREEK
STATION 20+00



STRUCTURAL SHEET NO. 1 OF 12 SHEETS

Summary table with columns: T.R., SECTION, COUNTY, TOTAL SHEETS, SHEET NO., CONTRACT NO.

FILE = S:\PROJECTS\2022\1674M22.BUC.TR85.DESIGN\CAD.SHEETS\1674M22.GP&E.dgn

This document is the copyrighted property of Willett, Hofmann & Associates, Inc., and may not be copied or used by any person without written permission. © Copyright 2024 Willett, Hofmann & Associates, Inc.

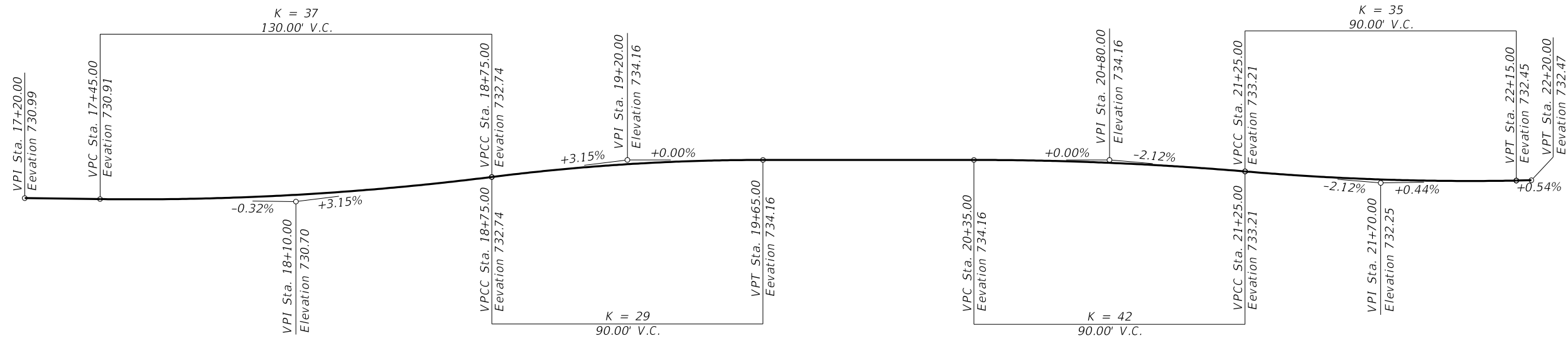
GENERAL NOTES:

Reinforcement bars designated (E) shall be epoxy coated.
 The channel shall be transitioned to fit the proposed structure inside the right of way. Cost shall be included in the Price per Cubic Yard for Channel Excavation.
 Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

BILL OF MATERIAL - BRIDGE

ITEM	UNIT	SUPER	SUB	TOTAL
CHANNEL EXCAVATION	CU YD	—	409	409
REMOVAL OF EXISTING STRUCTURES	EACH	—	—	1
STRUCTURE EXCAVATION	CU YD	—	—	102
CONCRETE STRUCTURES	CU YD	—	34.8	34.8
CONCRETE ENCASEMENT	CU YD	—	5.5	5.5
* PRECAST PRESTRESSED CONCRETE DECK BEAMS (27" DEPTH)	SQ FT	1604	—	1604
REINFORCEMENT BARS, EPOXY COATED	POUND	—	3310	3310
STEEL RAILING, TYPE SM	FOOT	137	—	137
FURNISHING METAL SHELL PILES 14" X 0.250"	FOOT	—	368	368
DRIVING PILES	FOOT	—	368	368
* TEST PILE METAL SHELLS	EACH	—	2	2
NAME PLATES	EACH	—	1	1
GRANULAR BACKFILL FOR STRUCTURES	CU YD	—	97	97
STONE RIPRAP, CLASS A5 (SPECIAL)	TON	—	747	747

*See Special Provisions.



GENERAL DATA
 T.R. 85 (2500 N AVE.)
 OVER MASTERS CREEK
 SECTION 17-19135-00-BR
 EXISTING S.N. 006-4272
 PROPOSED S.N. 006-4284
 OHIO TOWNSHIP
 BUREAU COUNTY
 STATION 20+00

REVISION	DATE	BY	REMARKS

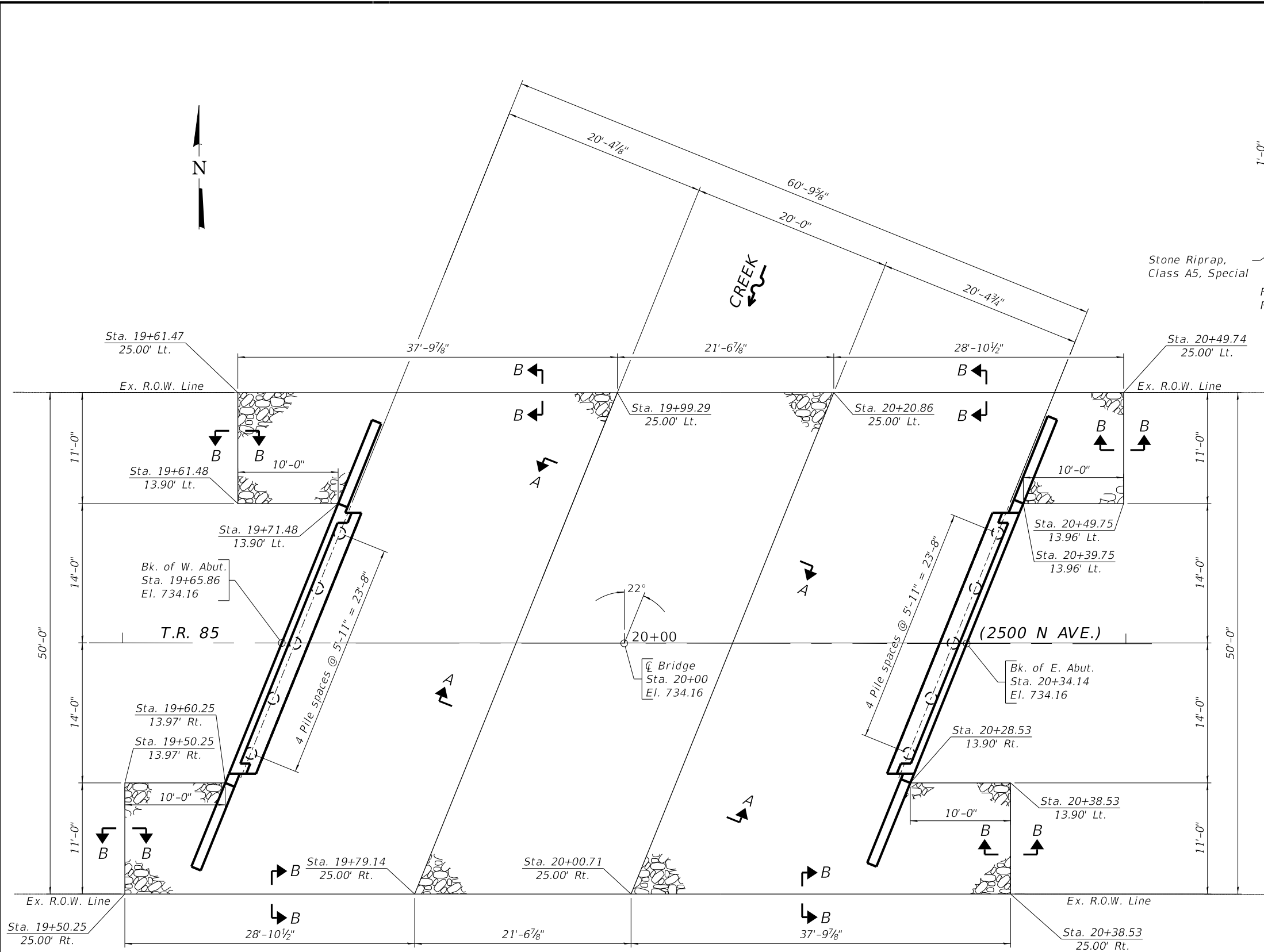
DESIGNED	ATK
DRAWN	DAL
REVIEWED	ATK
APPROVED	MRL

BUREAU COUNTY
T.R. 85 (2500 AVE N.) OVER MASTERS CREEK
STATION 20+00

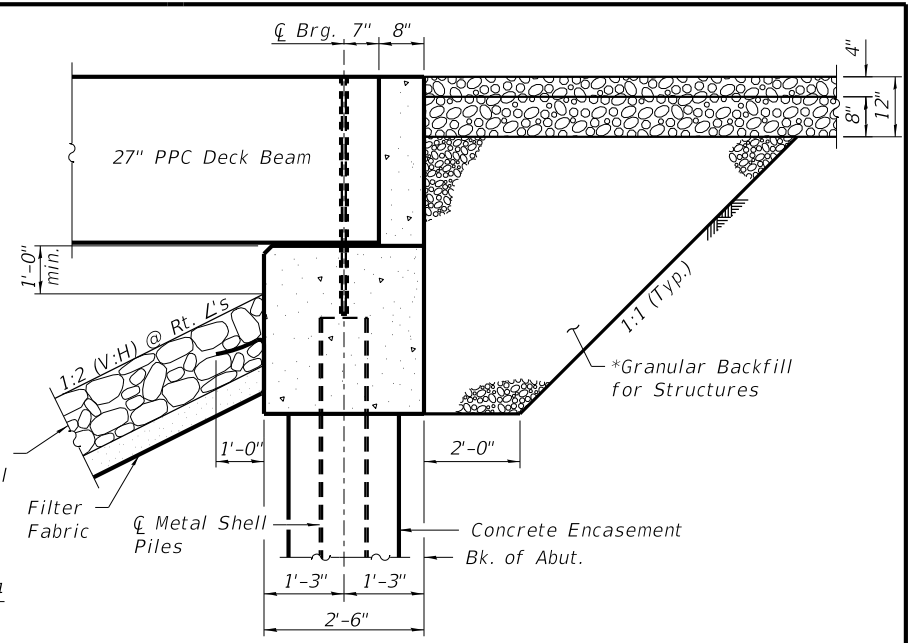


STRUCTURAL SHEET NO. 2 OF 12 SHEETS

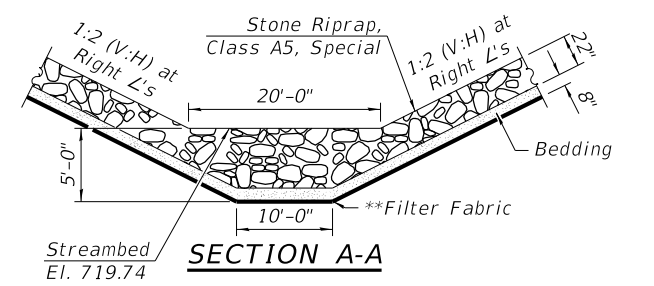
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	17-19135-00-BR	BUREAU	40	14
WHA# 1674M22		CONTRACT NO. 87816		
ILLINOIS FED. AID PROJECT				



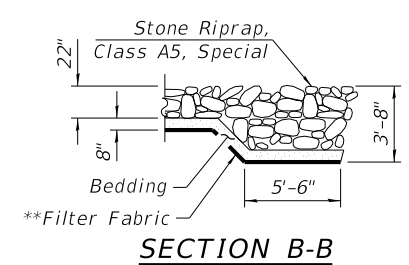
PLAN



SECTION THRU ABUTMENT
(Horiz. dim. @ Rt. L's)



SECTION A-A



SECTION B-B

BILL OF MATERIAL

Item	Unit	Quantity
Stone Riprap, Class A5, Special	Ton	747

NOTE:

- * Pay Limits of Granular Backfill for Structures shall extend to 2'-0" in from the end of each wingwall.
- ** Cost included in Stone Riprap, Class A5, Special.

REVISION	DATE	BY	REMARKS

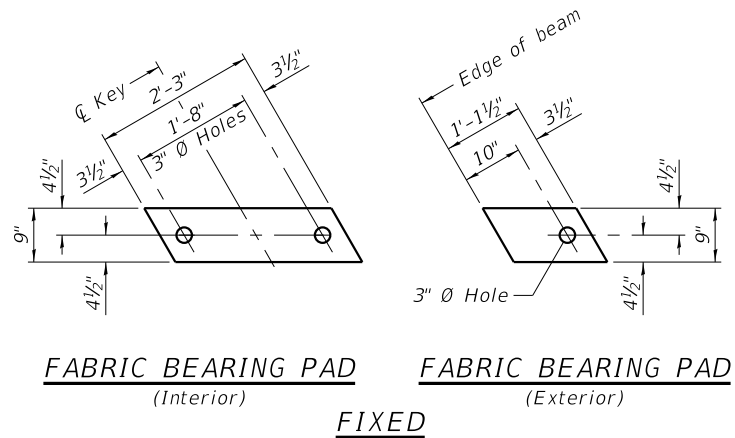
DESIGNED	ATK
DRAWN	DAL
REVIEWED	ATK
APPROVED	MRL

BUREAU COUNTY
T.R. 85 (2500 AVE N.) OVER MASTERS CREEK
STATION 20+00

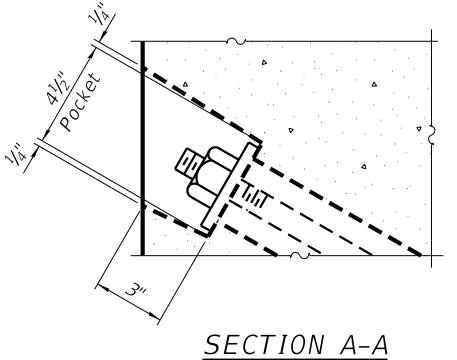
WILLET-HOFMANN & ASSOCIATES, INC.
ENGINEERING ARCHITECTURE LAND SURVEYING
1515 FIFTH AVENUE, SUITE 102, MOLINE, IL 61265
T. 309-517-1119 DESIGN FIRM # 184-000918

RIPRAP AND PILE LAYOUT
STRUCTURE NO. 006-4284
STRUCTURAL SHEET NO. 3 OF 12 SHEETS

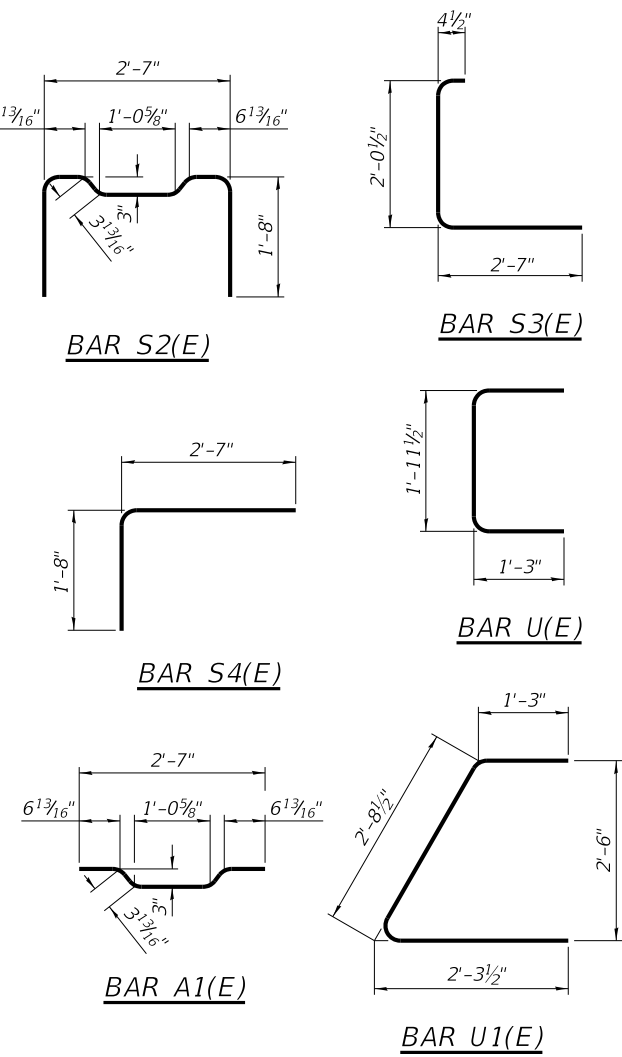
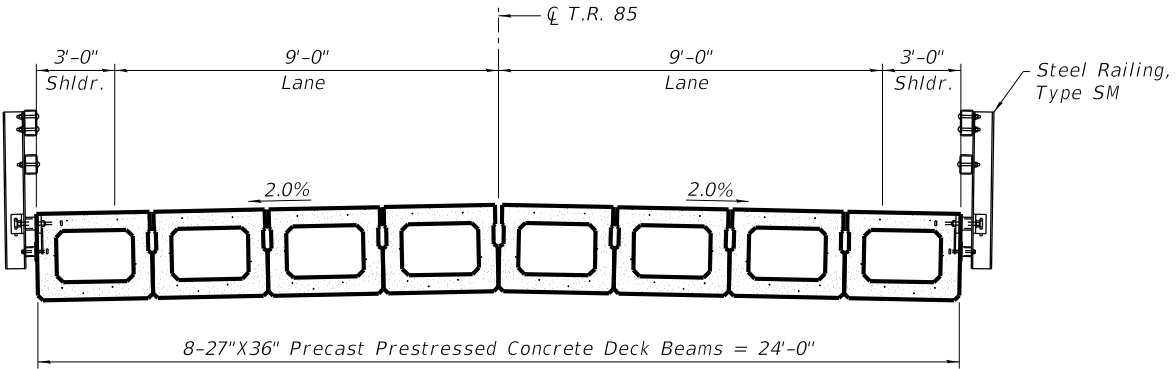
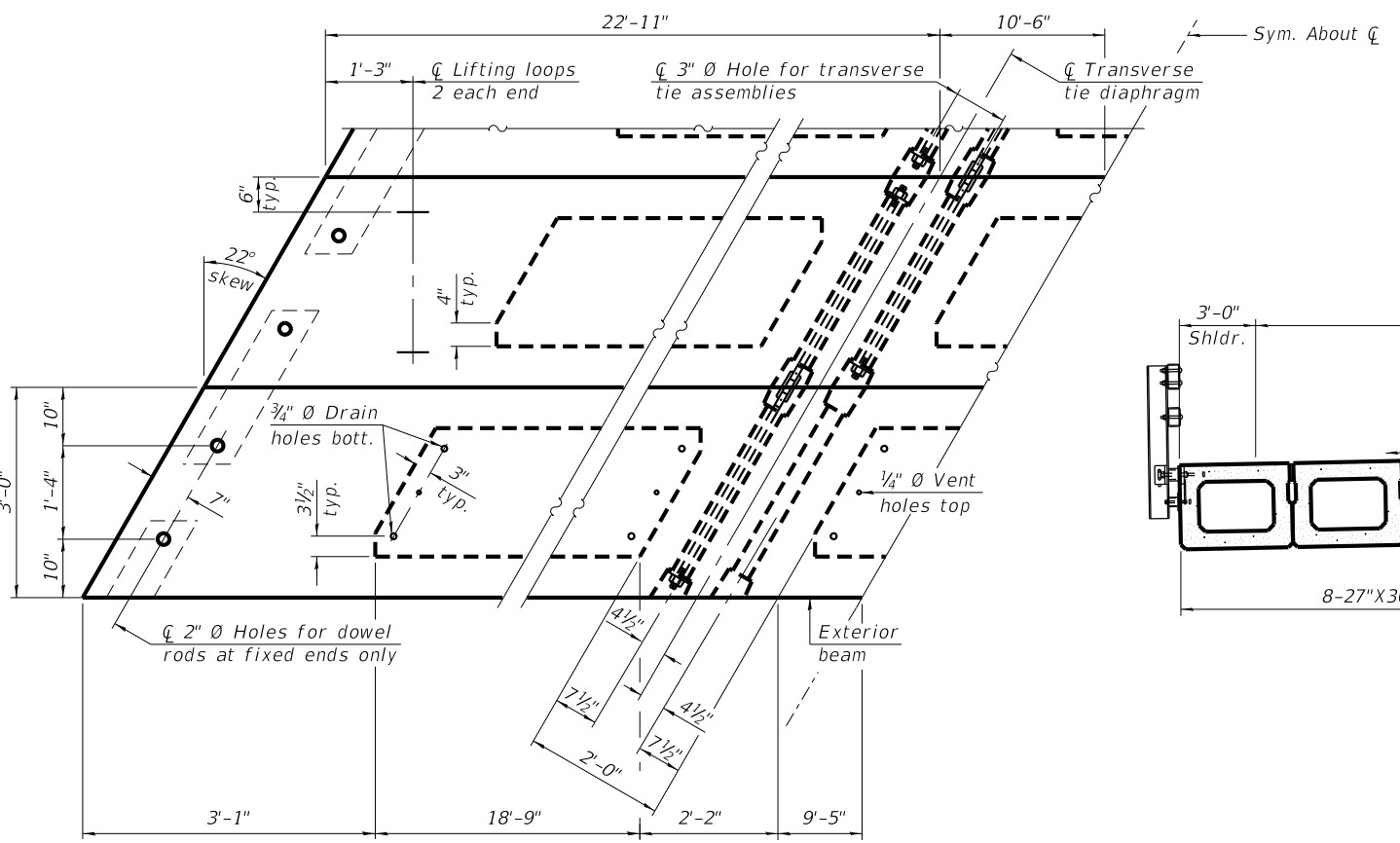
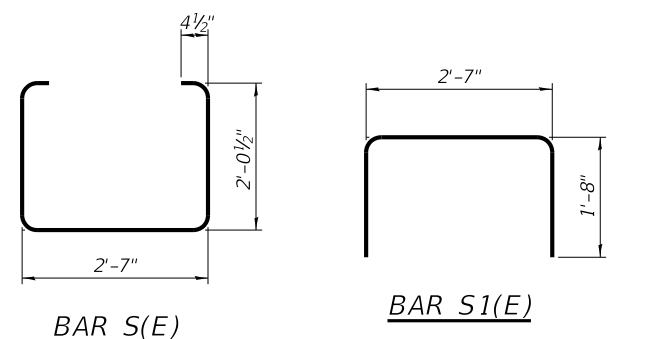
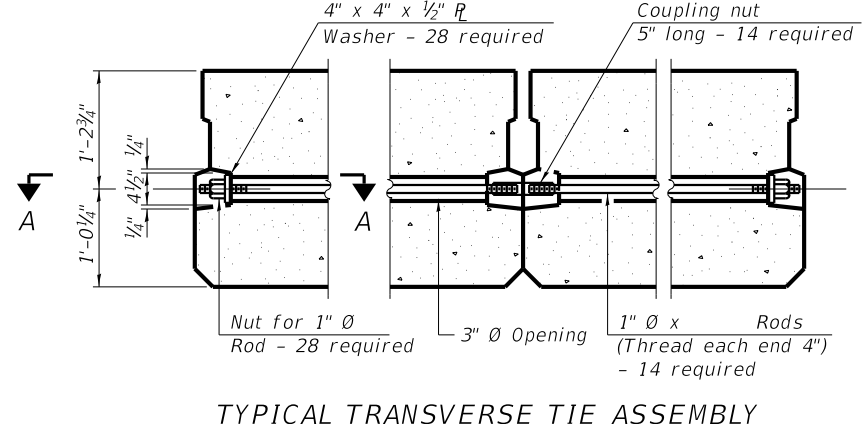
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	17-19135-00-BR	BUREAU	40	15
WHA# 1674M22		CONTRACT NO. 87816		
ILLINOIS FED. AID PROJECT				



FIXED



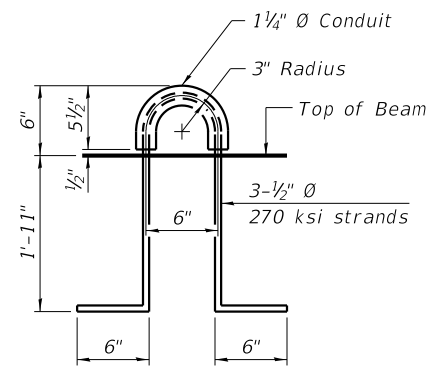
Notes:
 All bearing pads shall be 1" thick.
 Omit holes when using expansion bearings.
 Expansion bearing pads shall be bonded to the substructure.



NOTES

Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in.
 The 1" Ø rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.
 Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.
 A minimum 2 1/2" Ø lifting pin shall be used to engage the lifting loops during handling.
 Corrosion Inhibitor, per Article 1020.05(b)(10) and 1021.07 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams.
 Compressive strength of prestressed concrete, f'c, shall be 6000 psi.
 Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi.

Note:
 Connect beams in pairs with the transverse tie configuration shown.



BILL OF MATERIAL

Precast Prestressed Conc. Deck Bms. (27" depth)	Sq. Ft. 1,604
---	---------------

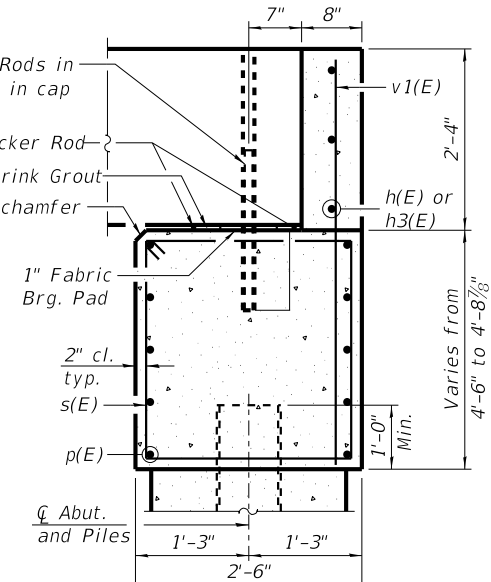
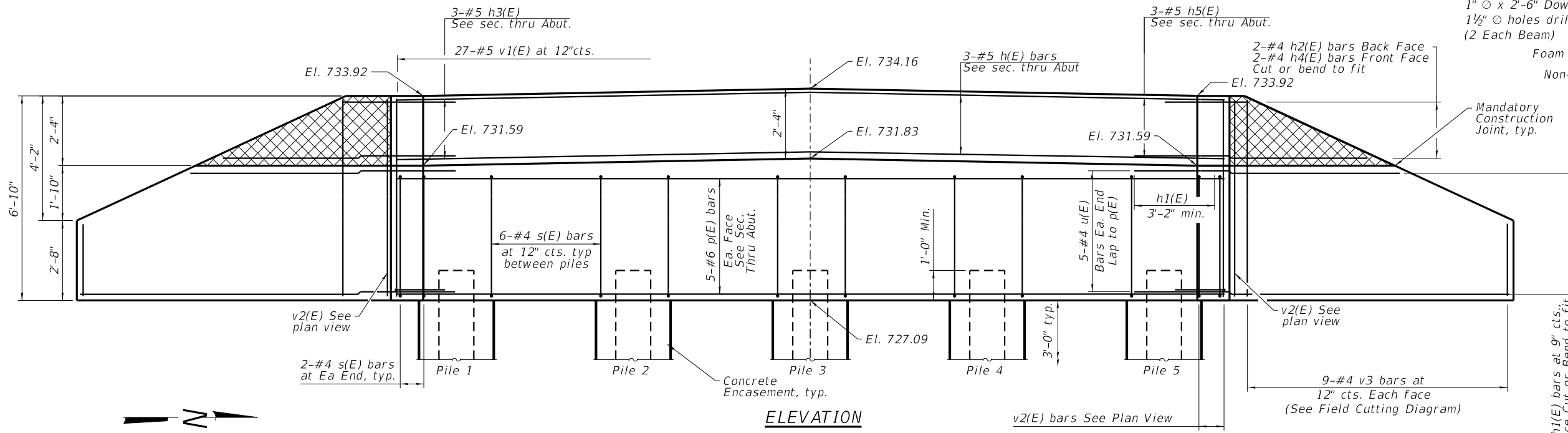
REVISION	DATE	BY	REMARKS
DESIGNED	XXX		
DRAWN	XXX		
REVIEWED	XXX		
APPROVED	XXX		

BUREAU COUNTY
T.R. 85 (2500 AVE N.) OVER MASTERS CREEK
STATION 20+00

27" x 36" PCC DECK BEAM DETAILS
STRUCTURE NO.
STRUCTURAL SHEET NO. 5 OF 12 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	17-19135-00-BR	BUREAU	40	17
WHA# 1674M22		CONTRACT NO. 87816		

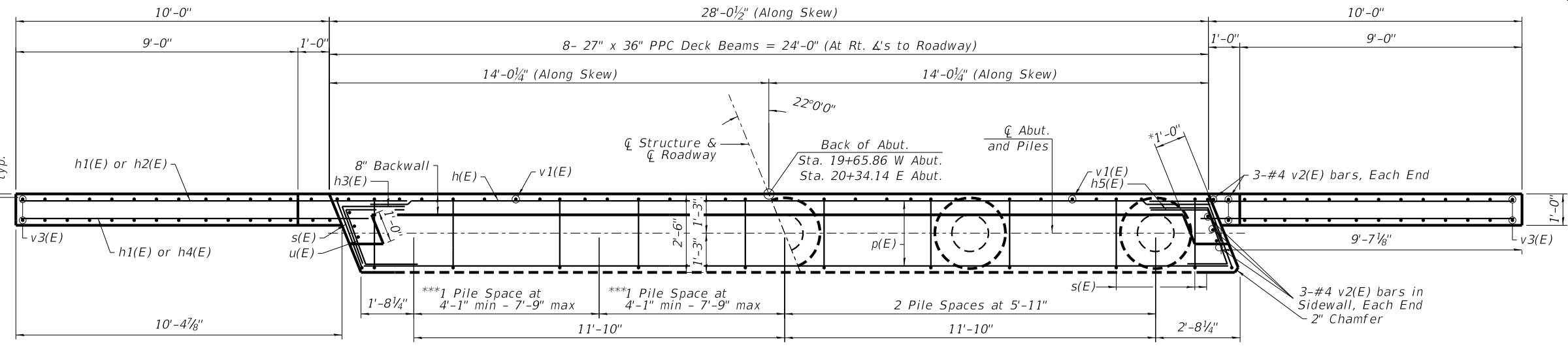
ILLINOIS FED. AID PROJECT



SEC. THRU ABUT.
(Dimensions are at Rt. L's)

**BILL OF MATERIAL
2 ABUTMENTS**

Bar	No.	Size	Length	Shape
h(E)	6	5	27'-7"	—
h1(E)	64	5	13'-2"	—
h2(E)	8	4	9'-6"	—
h3(E)	6	5	4'-6"	7
h4(E)	8	4	6'-11"	—
h5(E)	6	5	4'-6"	7
p(E)	20	6	27'-7"	—
s(E)	56	4	13'-3"	□
u(E)	20	4	8'-8"	—
v1(E)	54	5	6'-5"	—
v2(E)	24	4	6'-5"	—
v3(E)	36	4	8'-8"	—
Structure Excavation		Cu. Yd.	102	
Concrete Structures		Cu. Yd.	34.8	
Concrete Encasement		Cu. Yd.	5.5	
Reinforcement Bars, Epoxy Coated		POUND	3,310	
Furnishing Metal Shell Piles 14" X 0.250"		FOOT	368	
Driving Piles		Foot	368	
Test Pile Metal Shells		Each	2	
Name Plates		Each	1	
Granular Backfill for Structures		Cu. Yd.	97	



ABOVE CONSTRUCTION JOINT
IN WINGWALL

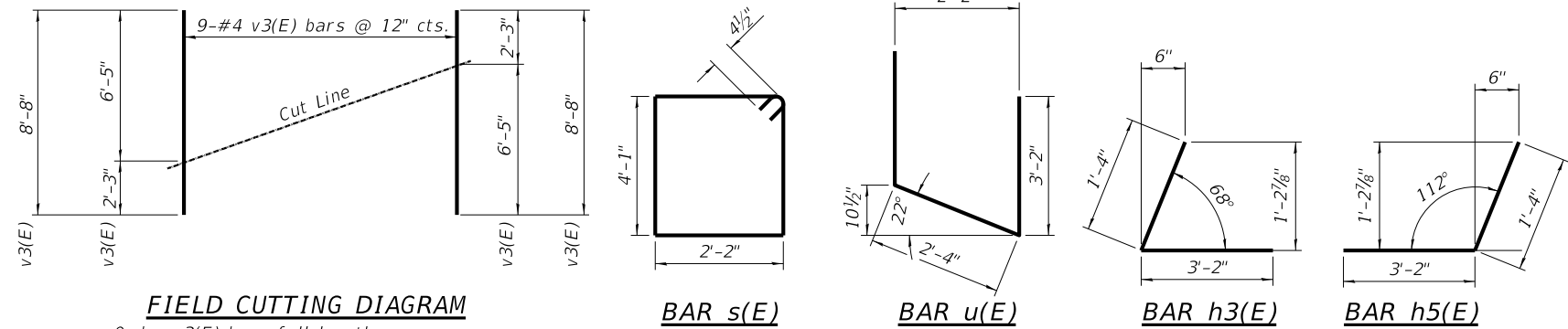
BELOW CONSTRUCTION JOINT
IN WINGWALL

PILE DATA - NORTH ABUTMENT

Type: Metal Shell 14" with 0.25" Walls
Nominal Required Bearing: 347 kips
Factored Resistance Available: 191 kips
Est. Length: 46'
No. Production Piles: 4
No. Test Piles: 1

PILE DATA - SOUTH ABUTMENT

Type: Metal Shell 14" with 0.25" Walls
Nominal Required Bearing: 347 kips
Factored Resistance Available: 191 kips
Est. Length: 46'
No. Production Piles: 4
No. Test Piles: 1



FIELD CUTTING DIAGRAM

Order v3(E) bars full length.
Cut as shown and use remainder of bars in opposite face.

NOTES:

- Hatched portion of wingwalls to be poured with the backwall after the deck beams have been installed and grout has cured for a minimum of 24 hours. All exposed edges shall have standard 3/4" chamfers, except as noted.
- Space reinforcement in cap to miss dowel rods.
- After beams have been erected, holes shall be drilled into substructure and anchor dowels placed. Dowel holes shall be filled with non-shrink grout to top of beam and allowed to cure a min. of 24 hours prior to grouting the shear keys.
- For pile details, see Structural Sheet 8 of 12.
- Reinforcement bars designated (E) shall be Epoxy coated.
- * May vary due to overrun of beams.
- ** For Backfill details, see Structural Sheet 3 of 12.
- **Adjust location as needed to avoid existing pile.

REVISION	DATE	BY	REMARKS

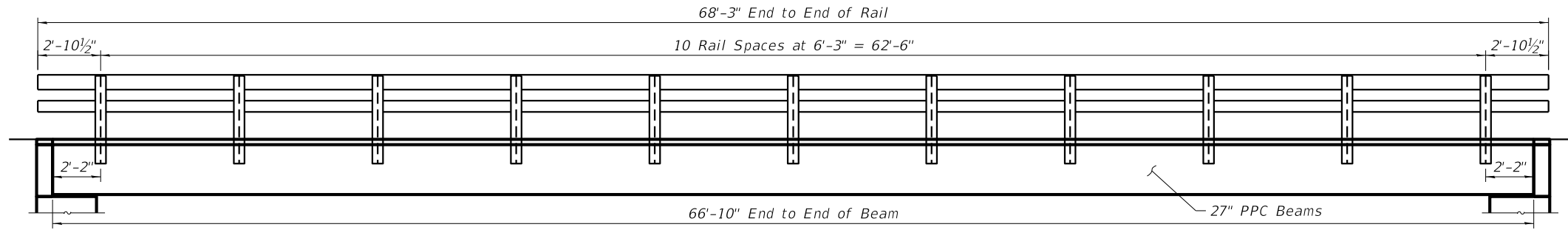
DESIGNED	ATK
DRAWN	DAL
REVIEWED	ATK
APPROVED	MRL

BUREAU COUNTY
T.R. 85 (2500 AVE N.) OVER MASTERS CREEK
STATION 20+00

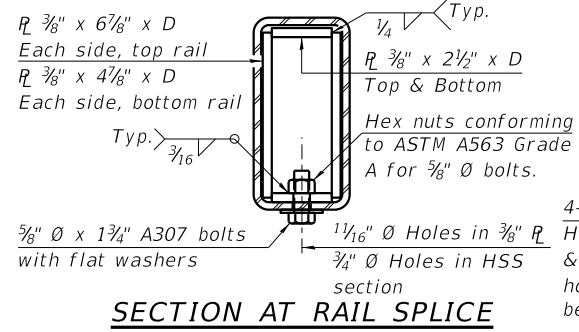
WILLETT HOFMANN & ASSOCIATES INC.
ENGINEERING ARCHITECTURE LAND SURVEYING
1515 FIFTH AVENUE, SUITE 102, MOLINE, IL 61265
T. 309-517-1119 DESIGN FIRM: # 184-000918

ABUTMENT DETAILS
STRUCTURE NO. 006-4284
STRUCTURAL SHEET NO. 6 OF 12 SHEETS

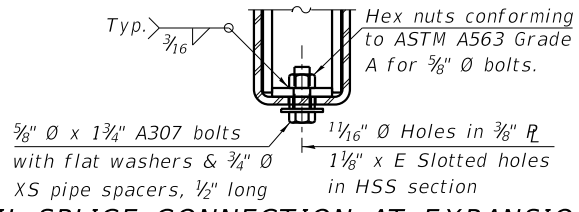
T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	17-19135-00-BR	BUREAU	40	18
WHA# 1674M22		CONTRACT NO. 87816		
ILLINOIS FED. AID PROJECT				



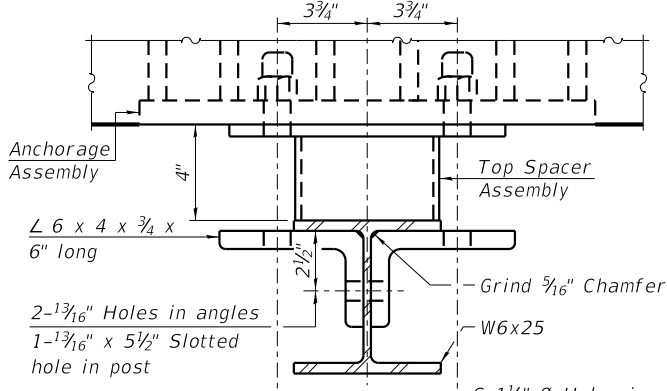
ELEVATION



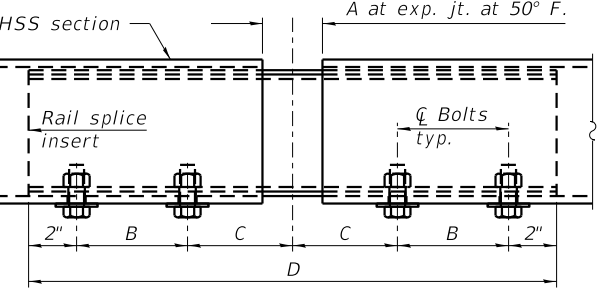
SECTION AT RAIL SPLICE



RAIL SPLICE CONNECTION AT EXPANSION JT.



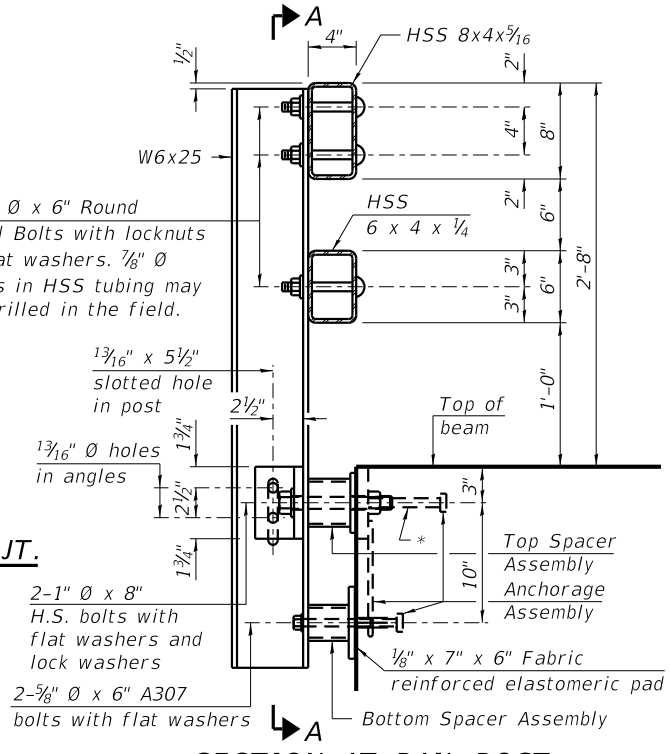
SECTION B-B



RAIL SPLICE ELEVATION

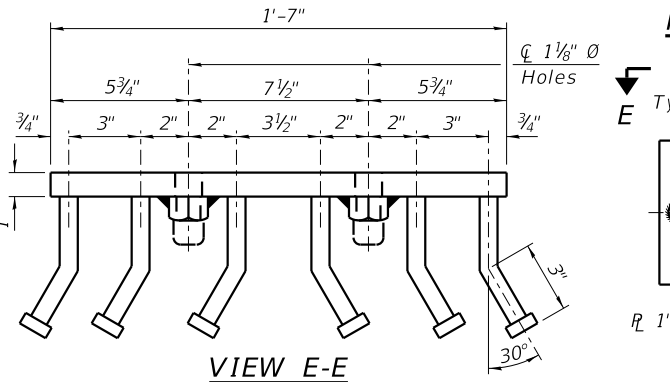
RAILING CRITERIA

MASH 2016 Test Level	2
Railing Weight (plf)	90
Min f'c (psi)	5,000
Max Post Spacing	6'-3"
HMA thickness range (in)	1 1/4 - 3 1/8



SECTION AT RAIL POST

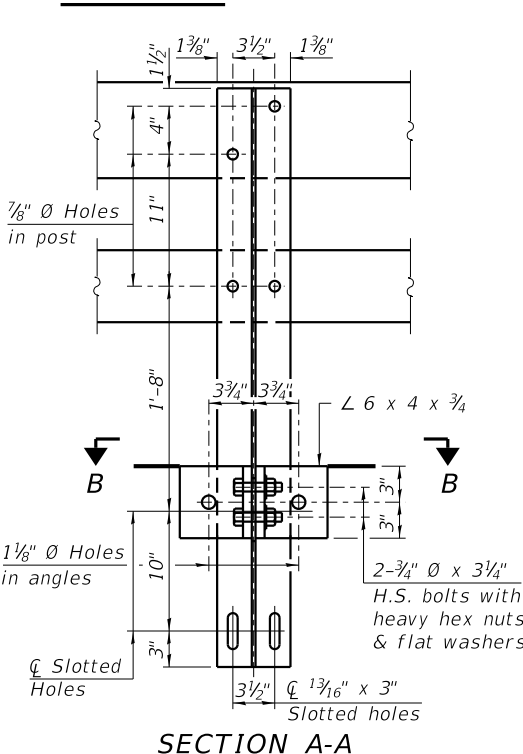
* The outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchorage assembly. The anchorage studs may be bent down 1/2" to accommodate the top reinforcement bar placement.



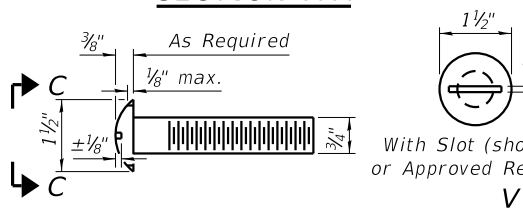
VIEW E-E

Location	T	A	B	C	D	E
All locs. not over exp. jts.	0	1/4"	4"	4"	1'-8"	-
Over Strip Seal Jt.	≤4"	2 1/2"	4 3/8"	4 3/8"	1'-10"	3 1/16"
Over Finger or Modular Jt.	≤9 1/2"	5 1/2"	7 3/8"	7 1/4"	2'-9 1/4"	5 1 3/16"
Over Finger or Modular Jt.	≤15"	8 1/4"	10 1/8"	10"	3'-8 1/4"	8 9/16"

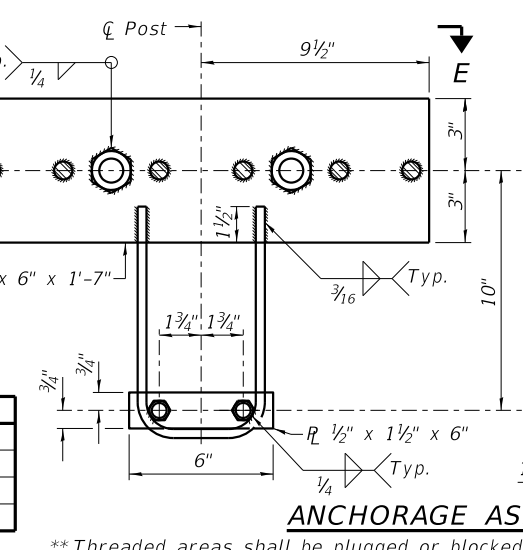
T = ; total movement along centerline of roadway at expansion joint.



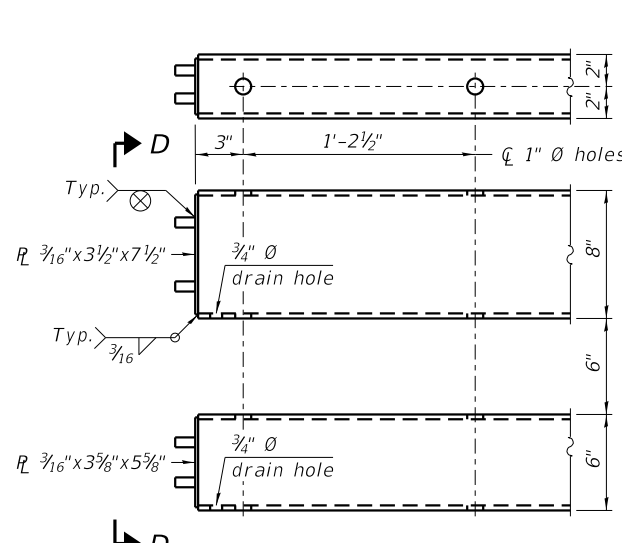
SECTION A-A



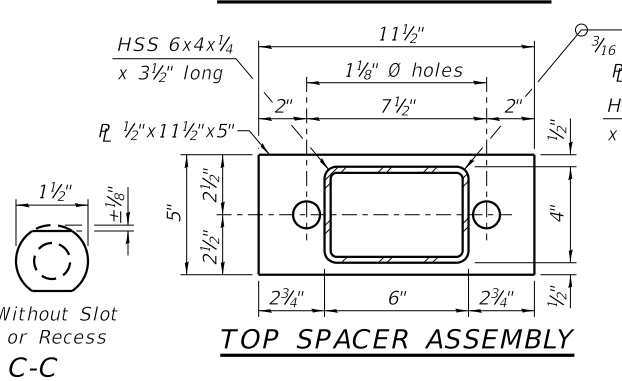
ROUND HEAD BOLT DETAIL



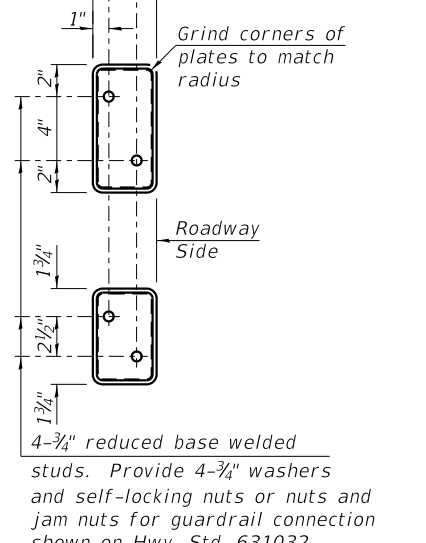
ANCHORAGE ASSEMBLY



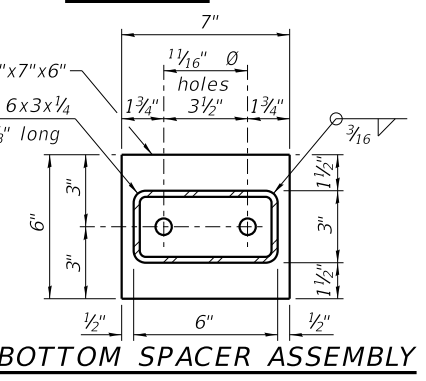
END OF RAIL DETAILS



TOP SPACER ASSEMBLY



VIEW D-D



BOTTOM SPACER ASSEMBLY

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type SM	Foot	137

NOTES:

A sufficient number of shims of various thicknesses, sized to fit behind the top spacer assembly, 5" x 11 1/2", and bottom spacer assembly, 6" x 7", shall be provided to adjust posts for proper alignment. If the summation of shims is greater than 1/4" (top) or 1/2" (bottom), longer bolts are required. Cost included with Steel Railing, Type SM.

All steel rail elements including shims shall be galvanized according to Article 509.05 of the Standard Specifications.

All HSS tubing serving as railing shall be CVN tested according to Article 1006.34(b) of the Standard Specifications.

Rail splice inserts may be built out of 2 - 3/8" bent R's in lieu of the 4 R rail splice inserts shown, provided the outside dimensions are matched.

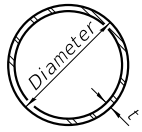
All round head bolts shall be ASTM A307 with locknuts according to ASTM A563 grade A.

** Threaded areas shall be plugged or blocked off during casting of concrete.

WILLET HOFMANN & ASSOCIATES INC.
 ENGINEERING ARCHITECTURE LAND SURVEYING
 1515 FIFTH AVENUE, SUITE 102, MOLINE, IL 61265
 T: 309-517-1119 DESIGN FIRM: # 184-000918

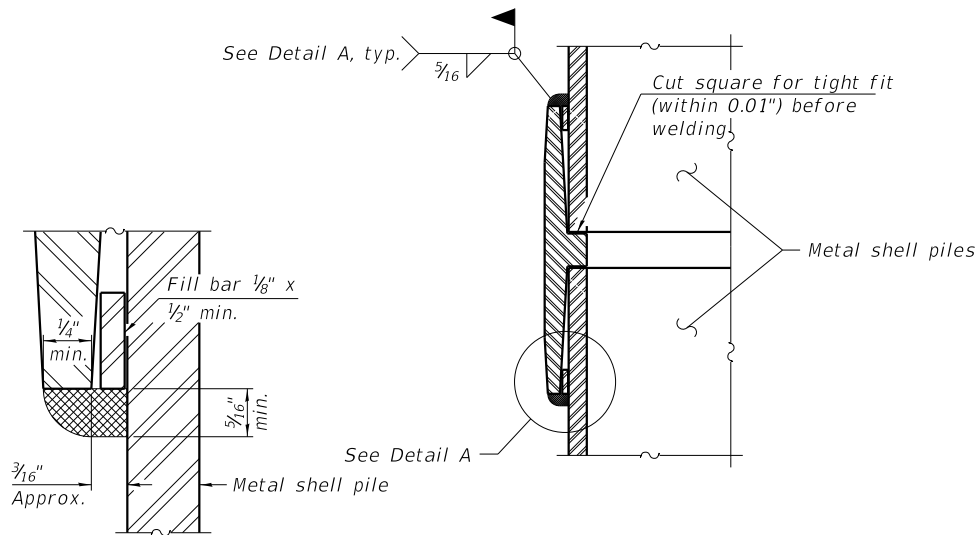
STEEL RAILING, TYPE SM
STRUCTURE NO. 006-4284
STRUCTURAL SHEET NO. 7 OF 12 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	17-19135-00-BR	BUREAU	40	19
WHA # 1674M22		CONTRACT NO. 87816		
ILLINOIS FED. AID PROJECT				

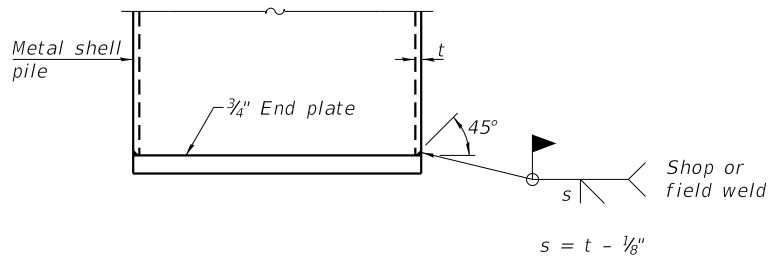


METAL SHELL PILE TABLE

Designation and outside diameter	Wall thickness t	Weight per foot (Lbs./ft.)	Inside volume (yd. ³ /ft.)
PP12	0.250"	31.40	0.0267
PP14	0.250"	36.75	0.0368
PP14	0.312"	45.65	0.0361
PP16	0.312"	52.32	0.0478
PP16	0.375"	62.64	0.0470



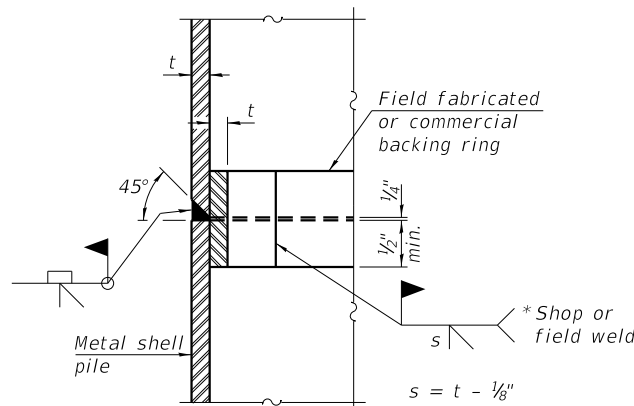
DETAIL A



END PLATE ATTACHMENT

WELDED COMMERCIAL SPLICE

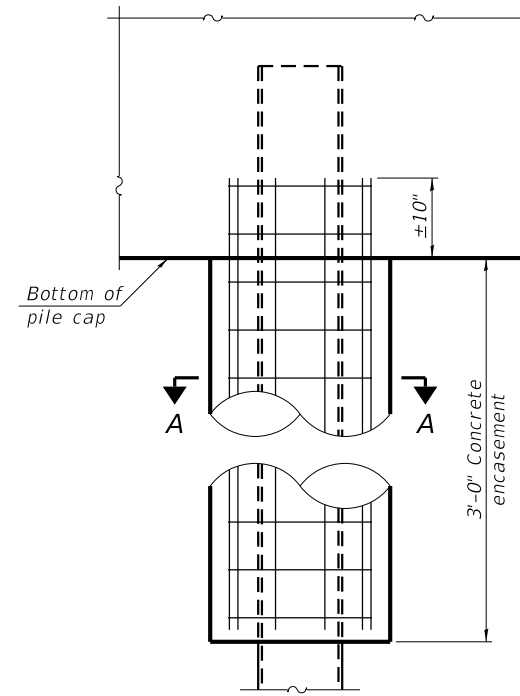
NOTES:
 The 1/8" x 1/2" min. fill bar may be constructed of 2 bars with a 1/8" max. gap between them.
 Pile segments shall be driven to solid contact with splicer before welding.



COMPLETE PENETRATION WELD SPLICE

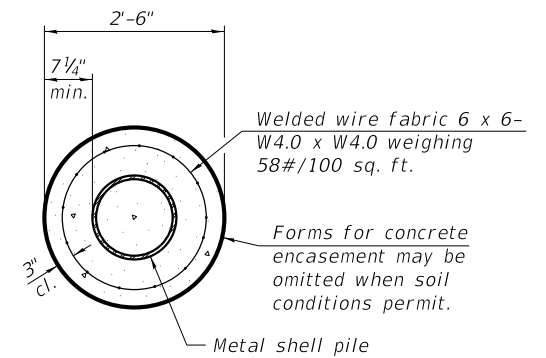
*Field fabricated backing ring may be made from pile shell by removing segment to allow reducing circumference and vertically rejoin with partial joint penetration weld.

NOTE:
 The metal shell piles shall be according to Article 1006.05 of the Standard Specifications.

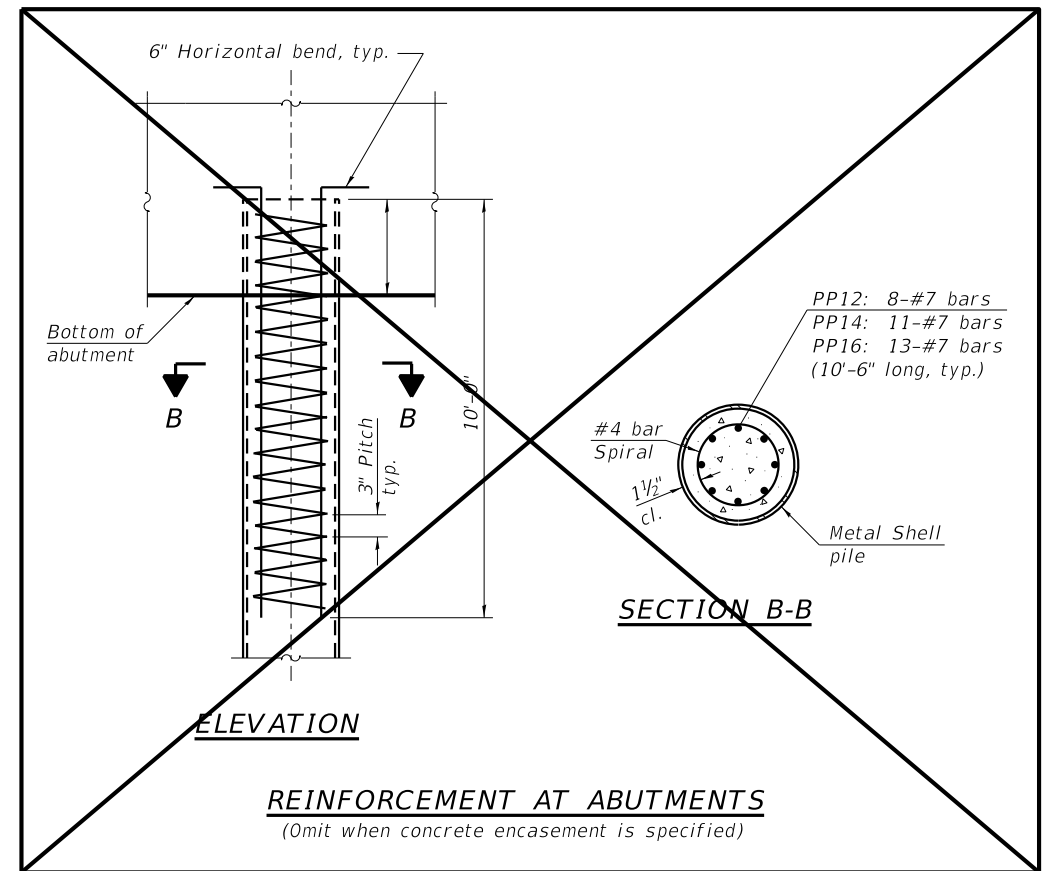


ELEVATION

INDIVIDUAL PILE CONCRETE ENCASEMENT
 (When specified)



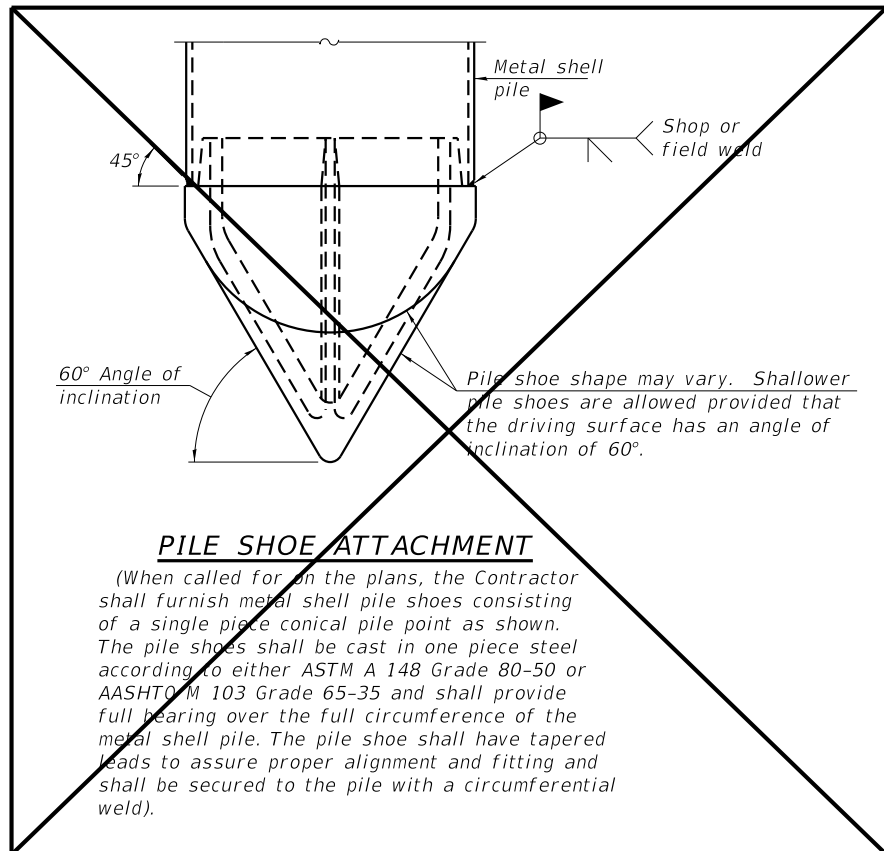
SECTION A-A



ELEVATION

REINFORCEMENT AT ABUTMENTS
 (Omit when concrete encasement is specified)

SECTION B-B



PILE SHOE ATTACHMENT

(When called for on the plans, the Contractor shall furnish metal shell pile shoes consisting of a single piece conical pile point as shown. The pile shoes shall be cast in one piece steel according to either ASTM A 148 Grade 80-50 or AASHTO M 103 Grade 65-35 and shall provide full bearing over the full circumference of the metal shell pile. The pile shoe shall have tapered leads to assure proper alignment and fitting and shall be secured to the pile with a circumferential weld).

REVISION	DATE	BY	REMARKS

DESIGNED	XXX
DRAWN	RDA
REVIEWED	XXX
APPROVED	XXX

BUREAU COUNTY
T.R. 85 (2500 AVE N.) OVER MASTERS CREEK
STATION 20+00

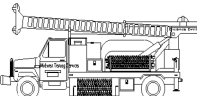
WILLET HOFMANN & ASSOCIATES INC
 ENGINEERING ARCHITECTURE LAND SURVEYING
 1515 FIFTH AVENUE, SUITE 102, MOLINE, IL 61265
 T. 309-517-1119 DESIGN FIRM: # 184-000918

METAL SHELL PILE DETAILS
STRUCTURE NO. 006-4284

STRUCTURAL SHEET NO. 8 OF 12 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	17-19135-00-BR	BUREAU	40	20
WHA# 1674M22		CONTRACT NO. 87816		

ILLINOIS FED. AID PROJECT

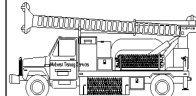
	Midwest Testing Services, Inc. 3705 Progress Blvd. Peru, IL 61354	BORING LOG Sheet <u>3</u> of <u>4</u>	Phone: 815-223-6696 Fax: 815-223-6659 e-mail: mts37@comcast.net
---	--	---	---

Client: <u>Willett Hofmann & Associates, Inc.</u>	Boring No. <u>B-1</u>		
Project Name: <u>TR-85 (2500 Ave. N) over Masters Fork</u>	Surface Elev. <u>99.41</u>		
Project Site: <u>Section 17-19135-00-BR Ohio Twp.</u>	Auger Depth <u>76'</u>	Rotary Depth <u>NA</u>	
<u>Bureau County, Illinois</u>	Start Date <u>03/06/23</u>	Finish Date <u>03/06/23</u>	

Location: Station: 20+47 5' RT
Existing Structure No.: 006-4272
Proposed Structure No.: 006-4284

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES						DRILLED BY	REMARKS	
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)			Dry Density (PCF)
57.41												
56.41			43									
55.41			44									
54.41			45	14	SS	2.8	15	B	11			
53.41			46									
52.41			47									
51.41			48									
50.41			49									
49.41			50									
48.41			51	15	SS	2.9	16	B/S	11			
47.41	Very Stiff Pinkish Gray Silty Clay Till		52									
46.41			53									
45.41			54									
44.41			55									
43.41			56	16	SS	3.2	22	B/S	11			
42.41			57									
41.41			58									
40.41			59									
39.41			60									
38.41			61	17	SS	3.5	30	B/S	11			
37.41		62										

Groundwater Data: Static water after auger removal elevation 89.91.
 Comments: Assumed Chisel mark at Northwest Curb to be elevation 100.0

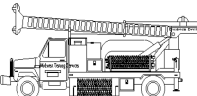
	Midwest Testing Services, Inc. 3705 Progress Blvd. Peru, IL 61354	BORING LOG Sheet <u>4</u> of <u>4</u>	Phone: 815-223-6696 Fax: 815-223-6659 e-mail: mts37@comcast.net
---	--	---	---

Client: <u>Willett Hofmann & Associates, Inc.</u>	Boring No. <u>B-1</u>		
Project Name: <u>TR-85 (2500 Ave. N) over Masters Fork</u>	Surface Elev. <u>99.41</u>		
Project Site: <u>Section 17-19135-00-BR Ohio Twp.</u>	Auger Depth <u>76'</u>	Rotary Depth <u>NA</u>	
<u>Bureau County, Illinois</u>	Start Date <u>03/06/23</u>	Finish Date <u>03/06/23</u>	

Location: Station: 20+47 5' RT
Existing Structure No.: 006-4272
Proposed Structure No.: 006-4284

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES						DRILLED BY	REMARKS	
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)			Dry Density (PCF)
36.41												
35.41			64									
34.41			65	18	SS	3.5	27	B	11			
33.41			66									
32.41			67									
31.41	Very Stiff to Hard Pinkish Gray Silty Clay Till		68									
30.41			69									
29.41			70									
28.41			71	19	SS	3.5	31	B	11			
27.41			72									
26.41			73									
25.41			74									
24.41			75									
23.41			76	20	SS	3.5	31	B	11			
22.41		Boring Terminated		77								
21.41			78									
20.41			79									
19.41			80									
18.41			81									
17.41			82									
16.41			83									

Groundwater Data: Static water after auger removal elevation 89.91.
 Comments: Assumed Chisel mark at Northwest Curb to be elevation 100.0



Midwest Testing Services, Inc.
3705 Progress Blvd.
Peru, IL 61354

BORING LOG

Sheet 1 of 4

Phone: 815-223-6696
Fax: 815-223-6659
e-mail: mts37@comcast.net

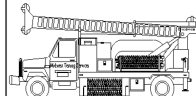
Client: Willett Hofmann & Associates, Inc.
Project Name: TR-85 (2500 Ave. N) over Masters Fork
Project Site: Section 17-19135-00-BR Ohio Twp.
Bureau County, Illinois

Boring No. B-2
Surface Elev. 99.00
Auger Depth 76' Rotary Depth NA
Start Date 03/06/23 Finish Date 03/06/23

Location: Station: 19+59 7' LT
Existing Structure No.: 006-4272
Proposed Structure No.: 006-4284

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES						DRILLED BY	REMARKS
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)		
99.00	Asphalt over Gravel		1						Randy Safranski Diedrich D-120		
98.00			2								
97.00	Medium Stiff Black/Brown Silty Clay Fill with Organics		3	1	SS	0.6	4	B/S		32	
96.00			4								
95.00			5	2	SS	0.6	5	B/S		26	
94.00			6								
93.00			7								
92.00	Medium Stiff Brown/Gray Silty Clay Fill		8	3	SS	0.6	5	B/S		24	
91.00			9								
90.00			10	4	SS	0.6	4	B/S		24	
89.00			11								
88.00			12								
87.00	Loose Brown/Gray Gravely Silty Clay Loam		13	5	SS	---	5	---		17	
86.00			14								
85.00	Stiff to Very Stiff Pinkish Gray Silty Clay Till		15	6	SS	3.0	11	B		13	
84.00			16								
83.00			17								
82.00			18	7	SS	3.1	14	B		13	
81.00			19								
80.00			20	8	SS	3.5	17	B		12	
79.00											

Groundwater Data: Static water after auger removal elevation 87.0.
Comments: Assumed Chisel mark at Northwest Curb to be elevation 100.0



Midwest Testing Services, Inc.
3705 Progress Blvd.
Peru, IL 61354

BORING LOG

Sheet 2 of 4

Phone: 815-223-6696
Fax: 815-223-6659
e-mail: mts37@comcast.net

Client: Willett Hofmann & Associates, Inc.
Project Name: TR-85 (2500 Ave. N) over Masters Fork
Project Site: Section 17-19135-00-BR Ohio Twp.
Bureau County, Illinois

Boring No. B-2
Surface Elev. 99.00
Auger Depth 76' Rotary Depth NA
Start Date 03/06/23 Finish Date 03/06/23

Location: Station: 19+59 7' LT
Existing Structure No.: 006-4272
Proposed Structure No.: 006-4284

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES						DRILLED BY	REMARKS
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)		
78.00	Very Stiff Pinkish Gray Silty Clay Till		22						Randy Safranski Diedrich D-120		
77.00			23	9	SS	3.8	18	B		12	
76.00			24								
75.00			25								
74.00			26	10	SS	4.2	23	B/S		12	
73.00			27								
72.00			28								
71.00			29								
70.00			30								
69.00			31	11	SS	3.1	30	B		12	
68.00			32								
67.00			33								
66.00			34								
65.00		35									
64.00		36	12	SS	3.1	27	B	12			
63.00		37									
62.00		38									
61.00		39									
60.00		40									
59.00		41	13	SS	3.0	26	B	12			
58.00											

Groundwater Data: Static water after auger removal elevation 87.0.
Comments: Assumed Chisel mark at Northwest Curb to be elevation 100.0

REVISION	DATE	BY	REMARKS

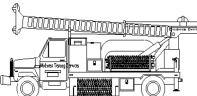
DESIGNED	XXX
DRAWN	RDA
REVIEWED	XXX
APPROVED	XXX

BUREAU COUNTY
T.R. 85 (2500 AVE N.) OVER MASTERS CREEK
STATION 20+00



BORING LOGS
STRUCTURE NO. 006-4284
STRUCTURAL SHEET NO. 11 OF 12 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	17-19135-00-BR	BUREAU	40	23
WHA# 1674M22		CONTRACT NO. 87816		
ILLINOIS FED. AID PROJECT				



Midwest Testing Services, Inc.
3705 Progress Blvd.
Peru, IL 61354

BORING LOG

Sheet 3 of 4

Phone: 815-223-6696
Fax: 815-223-6659
e-mail: mts37@comcast.net

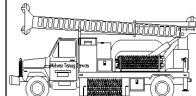
Client: Willett Hofmann & Associates, Inc.
 Project Name: TR-85 (2500 Ave. N) over Masters Fork
 Project Site: Section 17-19135-00-BR Ohio Twp.
Bureau County, Illinois

Boring No. B-2
 Surface Elev. 99.00
 Auger Depth 76' Rotary Depth NA
 Start Date 03/06/23 Finish Date 03/06/23

Location: Station: 19+59 7' LT
Existing Structure No.: 006-4272
Proposed Structure No.: 006-4284

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES						DRILLED BY	REMARKS
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)		
57.00											
56.00	Very Stiff Pinkish Gray Silty Clay Till		43							Randy Safranski Diedrich D-120	
55.00			44								
54.00			45	14	SS	3.2	25	B	12		
53.00			46								
52.00			47								
51.00			48								
50.00			49								
49.00			50	15	SS	3.5	30	B/S	12		
48.00			51								
47.00			52								
46.00			53								
45.00			54								
44.00	Very Stiff to Hard Pinkish Gray Silty Clay Till with Cobbles		55	16	SS	3.8	31	B/S	12		
43.00			56								
42.00			57								
41.00			58								
40.00			59								
39.00			60	17	SS	4.0	30	B/S	12		
38.00			61								
37.00			62								

Groundwater Data: Static water after auger removal elevation 87.0.
 Comments: Assumed Chisel mark at Northwest Curb to be elevation 100.0



Midwest Testing Services, Inc.
3705 Progress Blvd.
Peru, IL 61354

BORING LOG

Sheet 4 of 4

Phone: 815-223-6696
Fax: 815-223-6659
e-mail: mts37@comcast.net

Client: Willett Hofmann & Associates, Inc.
 Project Name: TR-85 (2500 Ave. N) over Masters Fork
 Project Site: Section 17-19135-00-BR Ohio Twp.
Bureau County, Illinois

Boring No. B-2
 Surface Elev. 99.00
 Auger Depth 76' Rotary Depth NA
 Start Date 03/06/23 Finish Date 03/06/23

Location: Station: 19+59 7' LT
Existing Structure No.: 006-4272
Proposed Structure No.: 006-4284

(DEPTH) ELEV.	DESCRIPTION OF MATERIALS	Graphic Log	Depth in feet	SAMPLES						DRILLED BY	REMARKS
				Sample No.	Sample Type	Qu (TSF)	N Value (Blows)	Bulge / Shear	Moisture (%)		
36.00											
35.00	Very Stiff to Hard Pinkish Gray Silty Clay Till		64							Randy Safranski Diedrich D-120	
34.00			65	18	SS	4.0	31	B/S	11		
33.00			66								
32.00			67								
31.00			68								
30.00			69								
29.00			70	19	SS	4.0	32	B/S	11		
28.00			71								
27.00			72								
26.00			73								
25.00			74								
24.00			75	20	SS	3.6	27	B/S	11		
23.00	Boring Terminated		76								
22.00			77								
21.00			78								
20.00			79								
19.00			80								
18.00			81								
17.00			82								
16.00			83								

Groundwater Data: Static water after auger removal elevation 87.0.
 Comments: Assumed Chisel mark at Northwest Curb to be elevation 100.0

REVISION	DATE	BY	REMARKS
DESIGNED	XXX		
DRAWN	RDA		
REVIEWED	XXX		
APPROVED	XXX		

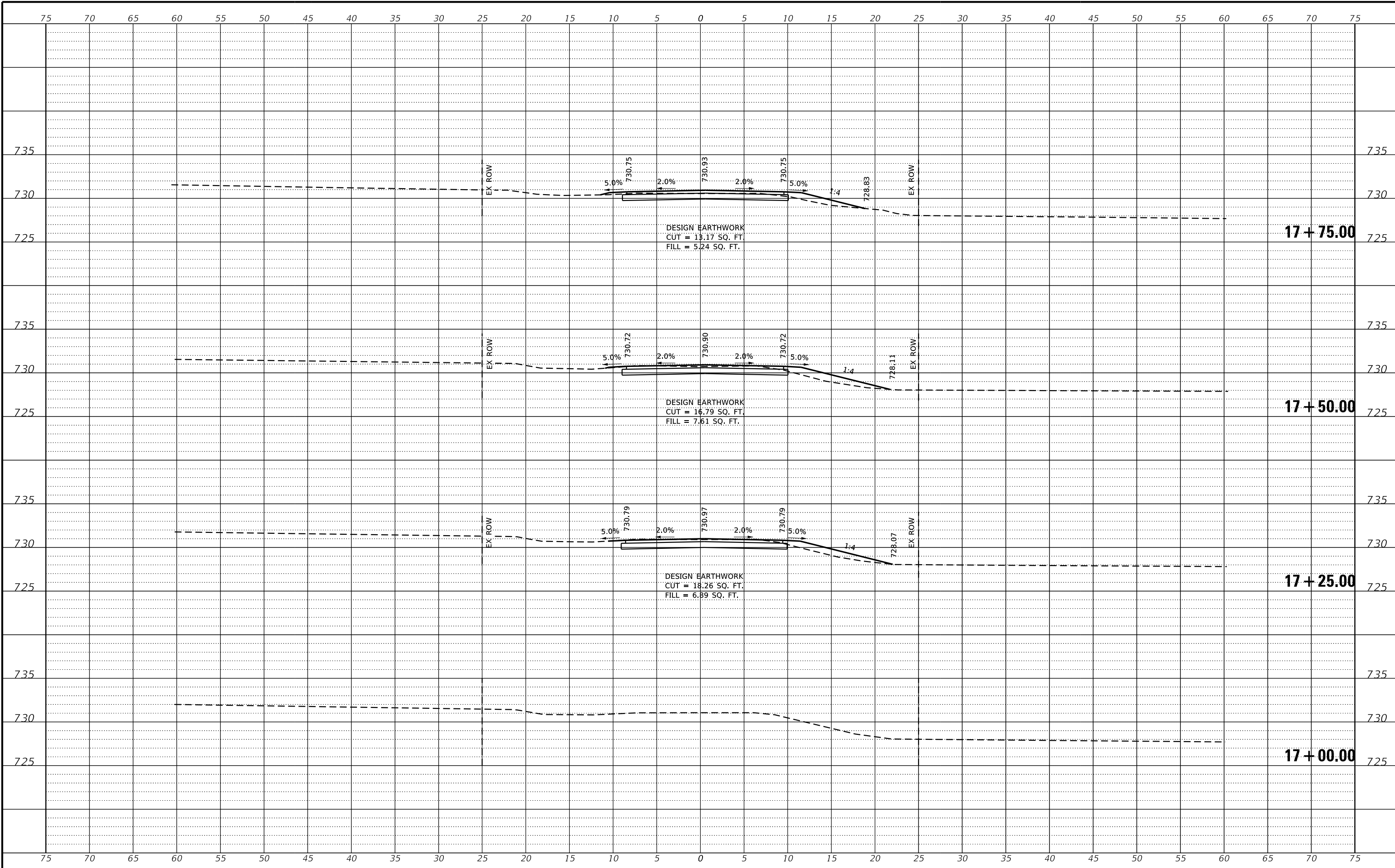
BUREAU COUNTY
T.R. 85 (2500 AVE N.) OVER MASTERS CREEK
STATION 20+00



WILLETT HOFMANN & ASSOCIATES, INC.
 ENGINEERING ARCHITECTURE LAND SURVEYING
 1515 FIFTH AVENUE, SUITE 102, MOLINE, IL 61265
 T: 309-517-1119 DESIGN FIRM: # 184-000918

BORING LOGS
STRUCTURE NO. 006-4284
STRUCTURAL SHEET NO. 12 OF 12 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	17-19135-00-BR	BUREAU	40	24
WHA# 1674M22		CONTRACT NO. 87816		
ILLINOIS FED. AID PROJECT				



REVISION	DATE	BY	REMARKS

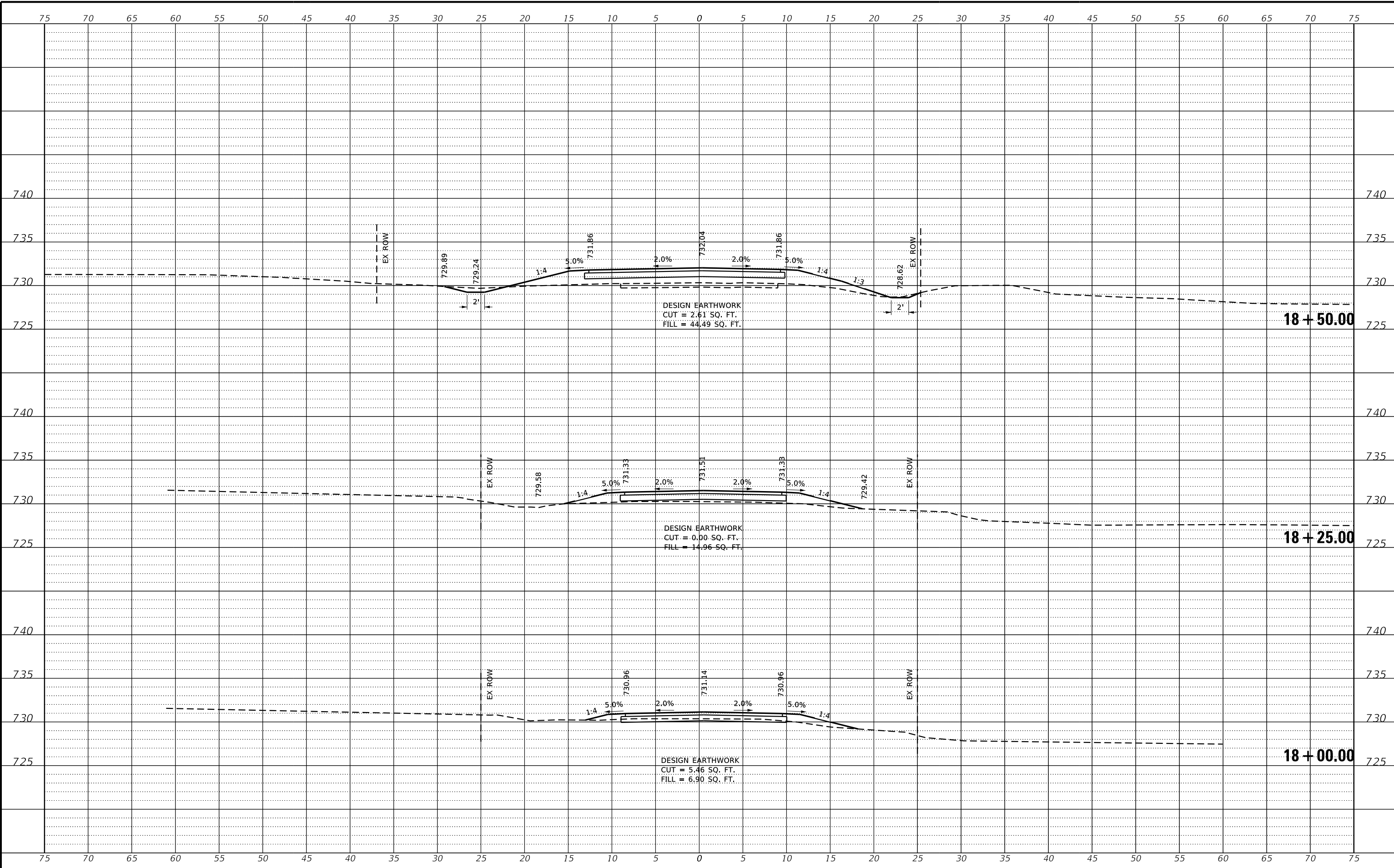
DESIGNED	GBG
DRAWN	C.J.I.
REVIEWED	GBG
APPROVED	ATK

BUREAU COUNTY
T.R. 85 (2500 AVE N.) OVER MASTERS CREEK
STATION 20+00



TR 85 CROSS SECTIONS
STA: 17+00.00 TO 17+75.00
SHEET NO. 1 OF 10 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	17-19135-00-BR	BUREAU	40	25
WHA# 1674M22		CONTRACT NO. 87816		
ILLINOIS FED. AID PROJECT				



REVISION	DATE	BY	REMARKS

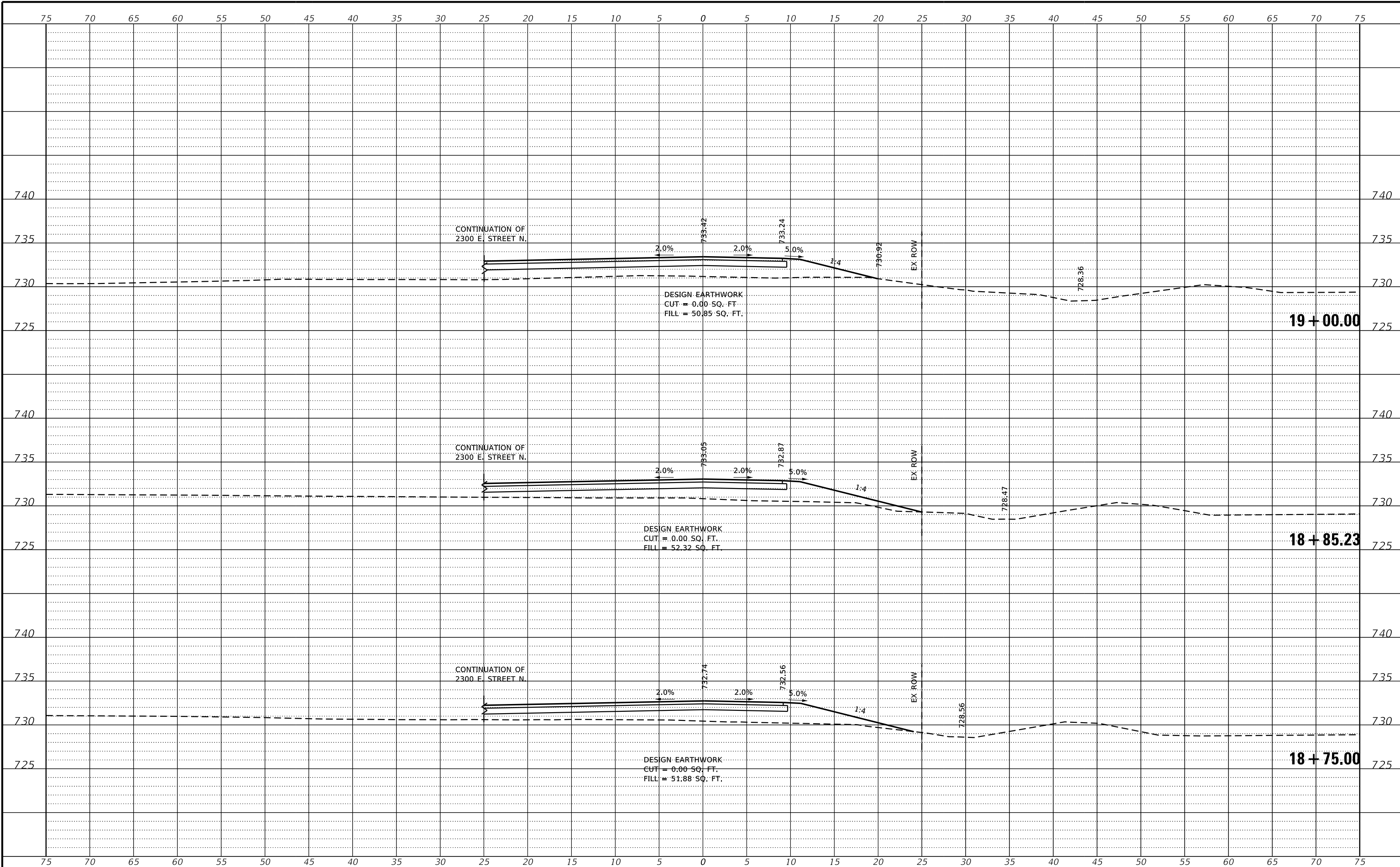
DESIGNED	GBG
DRAWN	C.J.I.
REVIEWED	GBG
APPROVED	ATK

BUREAU COUNTY
T.R. 85 (2500 AVE N.) OVER MASTERS CREEK
STATION 20+00



TR 85 CROSS SECTIONS
STA: 18+00.00 TO 18+50.00
SHEET NO. 2 OF 10 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	17-19135-00-BR	BUREAU	40	26
WHA# 1674M22		CONTRACT NO. 87816		
ILLINOIS FED. AID PROJECT				



REVISION	DATE	BY	REMARKS

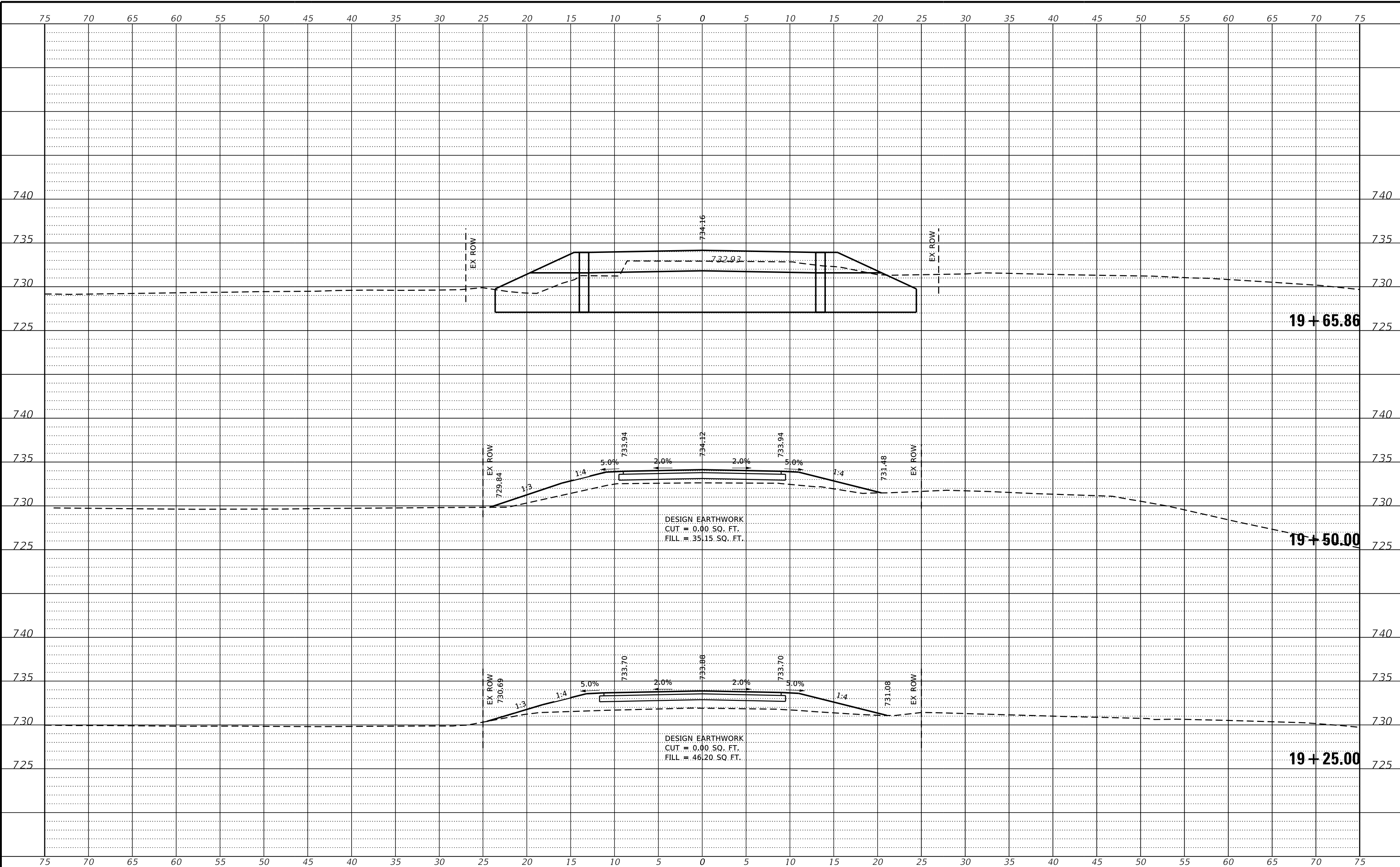
DESIGNED	GBG
DRAWN	C.J.I.
REVIEWED	GBG
APPROVED	ATK

BUREAU COUNTY
T.R. 85 (2500 AVE N.) OVER MASTERS CREEK
STATION 20+00



TR 85 CROSS SECTIONS
STA: 18+75.00 TO 19+00.00
SHEET NO. 3 OF 10 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	17-19135-00-BR	BUREAU	40	27
WHA# 1674M22		CONTRACT NO. 87816		
ILLINOIS FED. AID PROJECT				



REVISION	DATE	BY	REMARKS

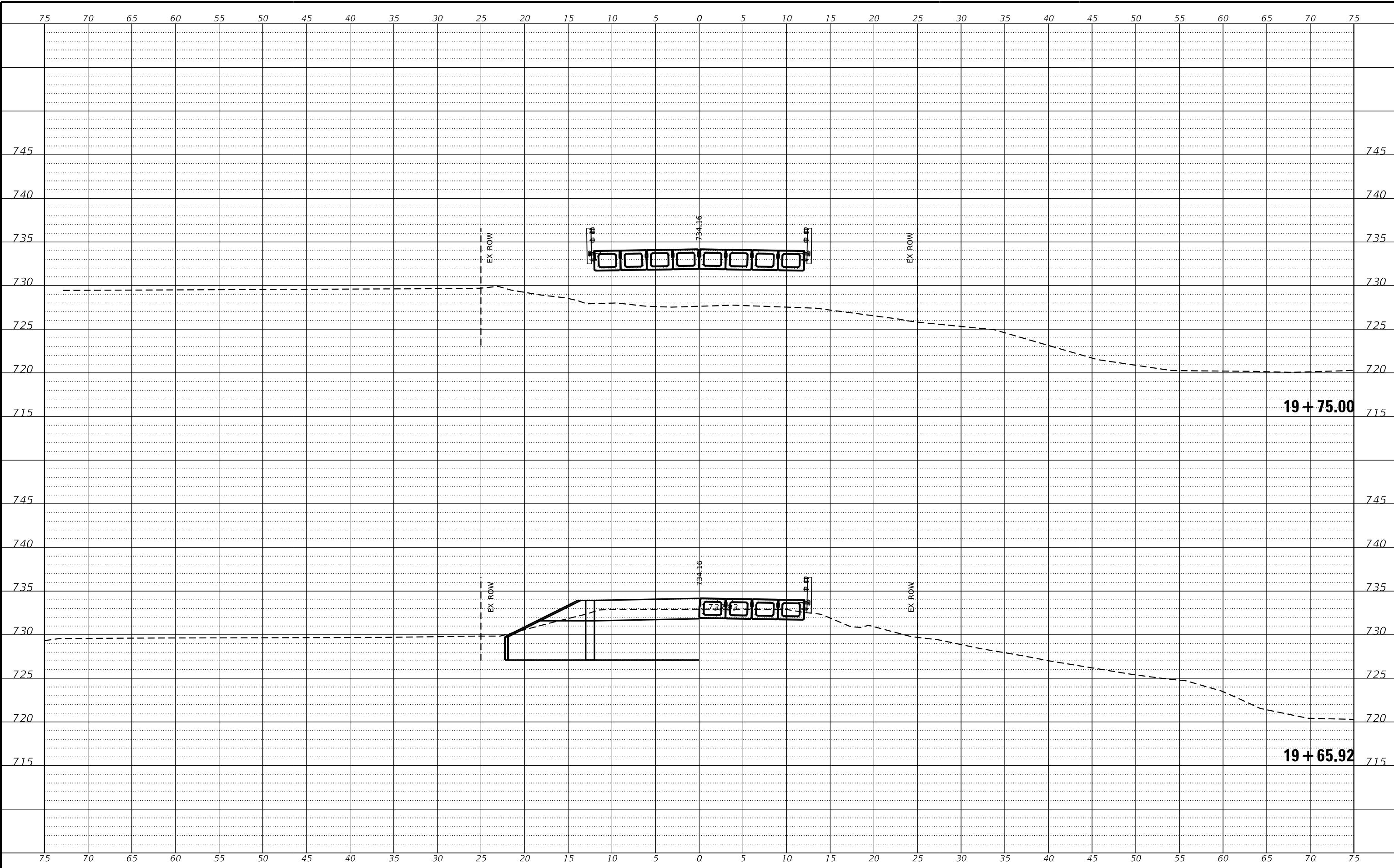
DESIGNED	GBG
DRAWN	C.J.I.
REVIEWED	GBG
APPROVED	ATK

BUREAU COUNTY
T.R. 85 (2500 AVE N.) OVER MASTERS CREEK
STATION 20+00



TR 85 CROSS SECTIONS
STA: 19+25.00 TO 19+65.86
SHEET NO. 4 OF 10 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	17-19135-00-BR	BUREAU	40	28
WHA # 1674M22		CONTRACT NO. 87816		
ILLINOIS FED. AID PROJECT				



REVISION	DATE	BY	REMARKS

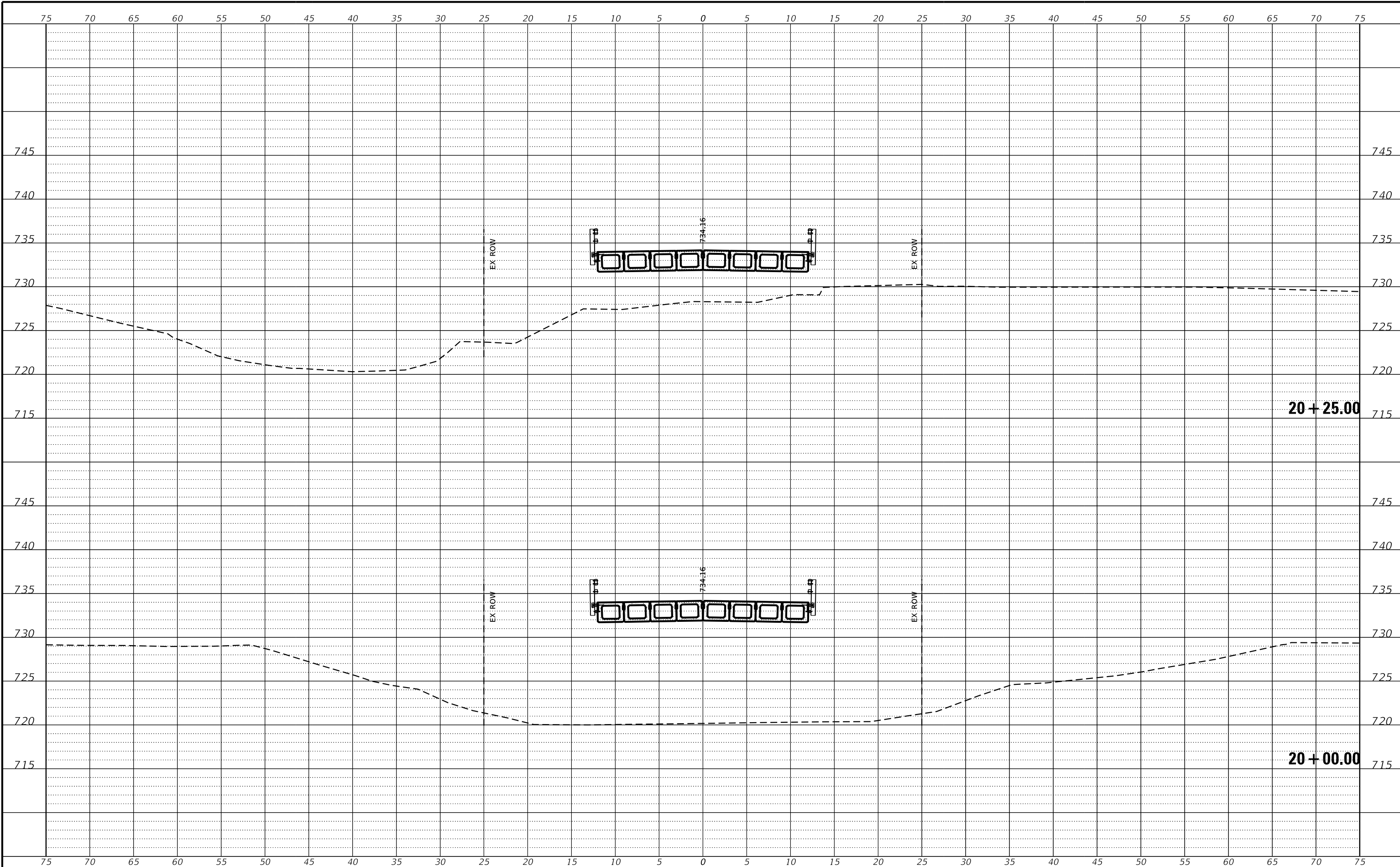
DESIGNED	GBG
DRAWN	C.J.I.
REVIEWED	GBG
APPROVED	ATK

BUREAU COUNTY
T.R. 85 (2500 AVE N.) OVER MASTERS CREEK
STATION 20+00



TR 85 CROSS SECTIONS
STA: 19+65.92 TO 19+75.00
SHEET NO. 5 OF 10 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	17-19135-00-BR	BUREAU	40	29
WHA# 1674M22		CONTRACT NO. 87816		
ILLINOIS FED. AID PROJECT				



REVISION	DATE	BY	REMARKS

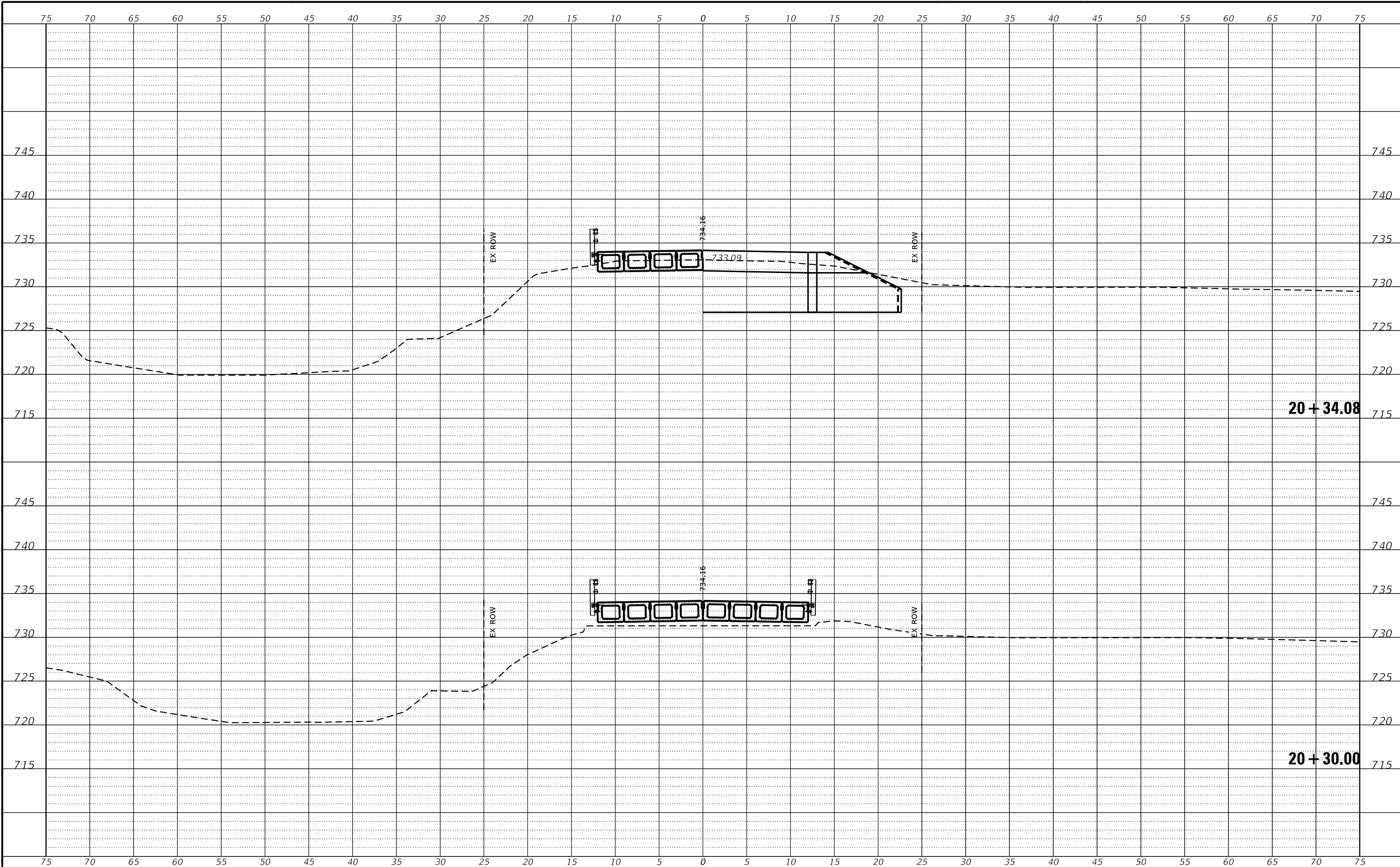
DESIGNED	GBG
DRAWN	C.JI
REVIEWED	GBG
APPROVED	ATK

BUREAU COUNTY
T.R. 85 (2500 AVE N.) OVER MASTERS CREEK
STATION 20+00



TR 85 CROSS SECTIONS
STA: 20+00.00 TO 20+25.00
SHEET NO. 6 OF 10 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	17-19135-00-BR	BUREAU	40	30
WHA # 1674M22		CONTRACT NO. 87816		
ILLINOIS FED. AID PROJECT				



REVISION	DATE	BY	REMARKS

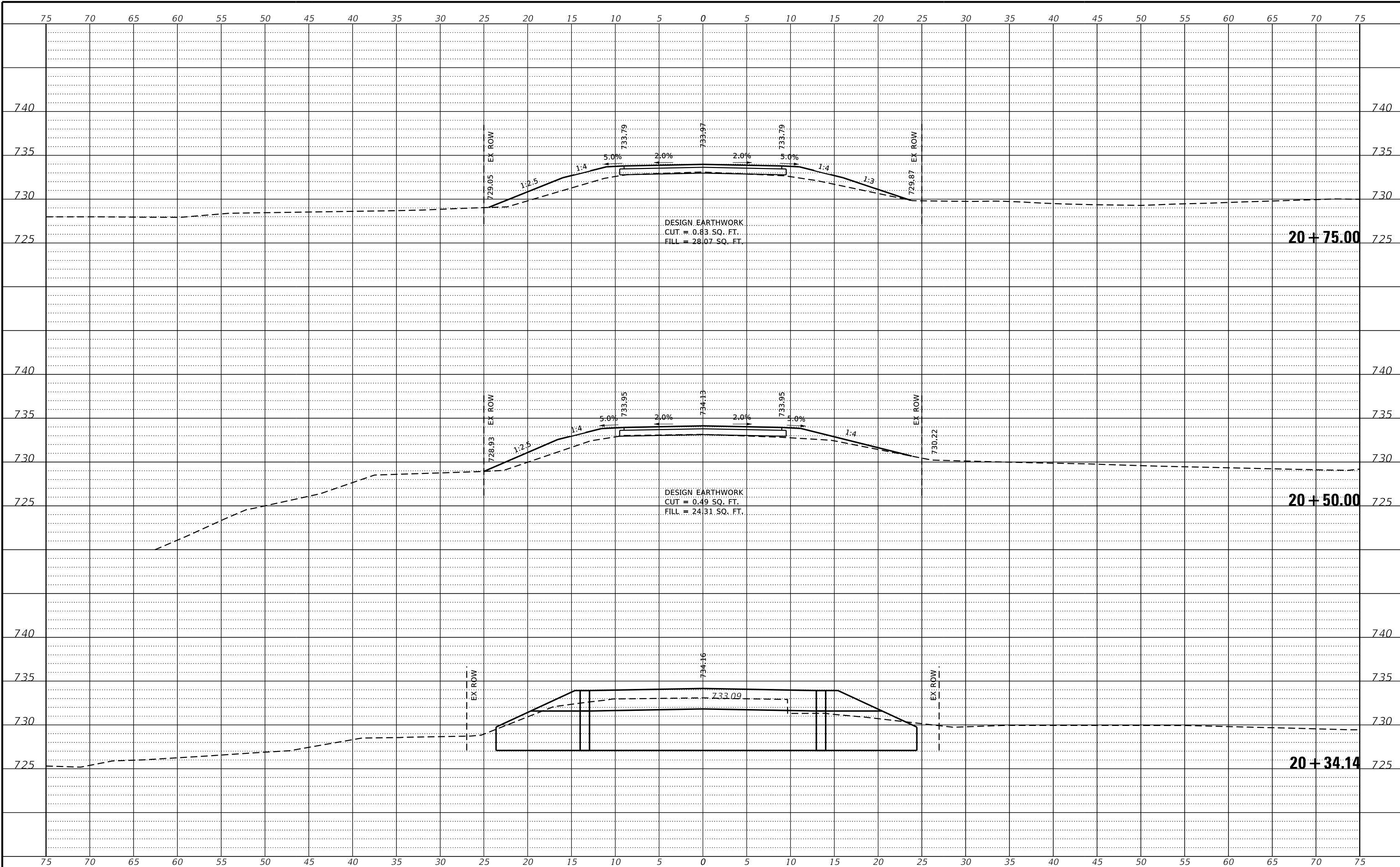
DESIGNED	GBG
DRAWN	C.J.I.
REVIEWED	GBG
APPROVED	ATK

BUREAU COUNTY
T.R. 85 (2500 AVE N.) OVER MASTERS CREEK
STATION 20+00



TR 85 CROSS SECTIONS
STA: 20+30.00 TO 20+34.08
SHEET NO. 7 OF 10 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	17-19135-00-BR	BUREAU	40	31
WHA # 1674M22		CONTRACT NO. 87816		
ILLINOIS FED. AID PROJECT				



REVISION	DATE	BY	REMARKS

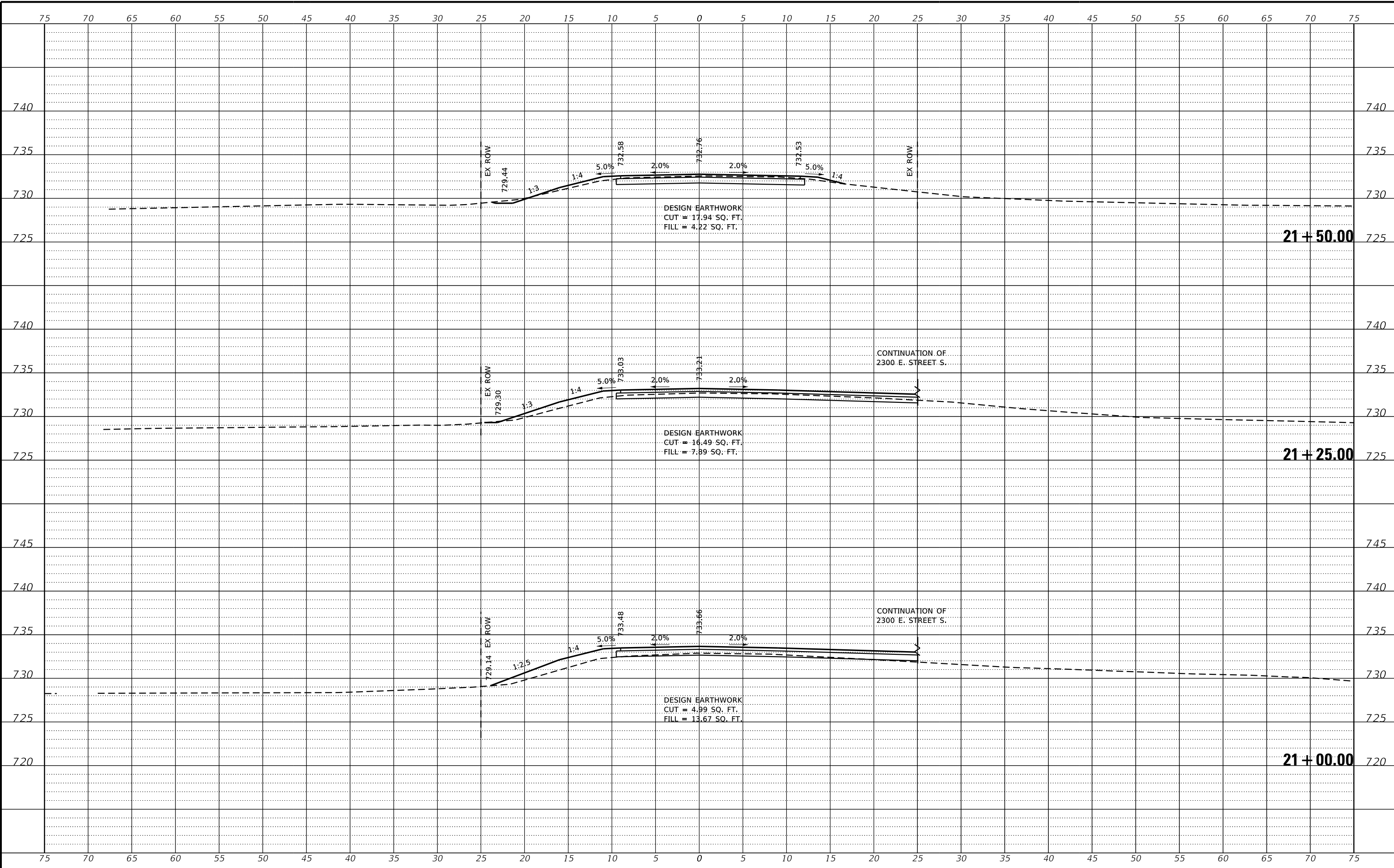
DESIGNED	GBG
DRAWN	C.J.I.
REVIEWED	GBG
APPROVED	ATK

BUREAU COUNTY
T.R. 85 (2500 AVE N.) OVER MASTERS CREEK
STATION 20+00



TR 85 CROSS SECTIONS
STA: 20+34.14 TO 20+75.00
SHEET NO. 8 OF 10 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	17-19135-00-BR	BUREAU	40	32
WHA# 1674M22		CONTRACT NO. 87816		
ILLINOIS FED. AID PROJECT				



REVISION	DATE	BY	REMARKS

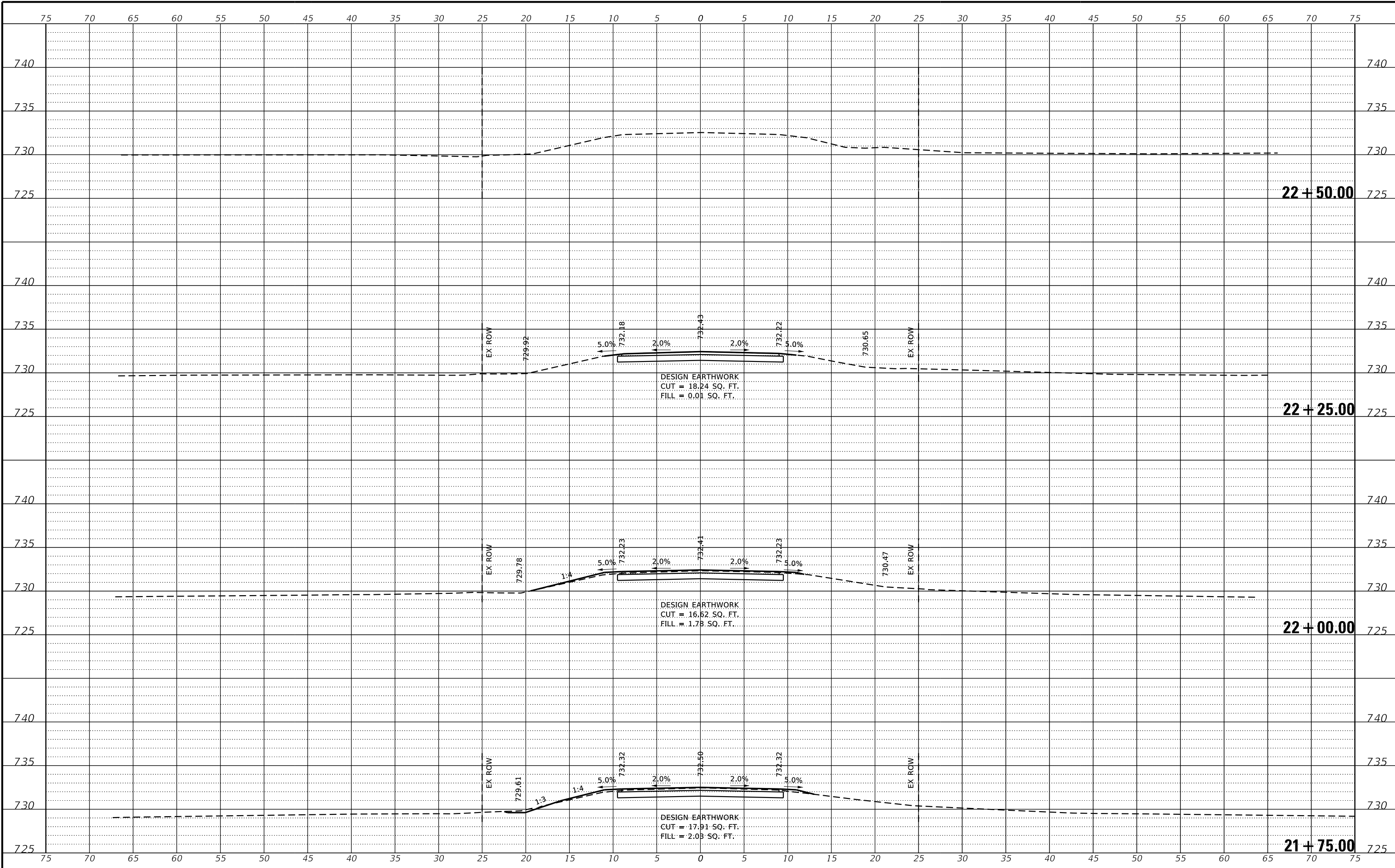
DESIGNED	GBG
DRAWN	C.J.I.
REVIEWED	GBG
APPROVED	ATK

BUREAU COUNTY
T.R. 85 (2500 AVE N.) OVER MASTERS CREEK
STATION 20+00



TR 85 CROSS SECTIONS
STA: 21+00.00 TO 20+50.00
SHEET NO. 9 OF 10 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	17-19135-00-BR	BUREAU	40	33
WHA# 1674M22		CONTRACT NO. 87816		
ILLINOIS FED. AID PROJECT				



REVISION	DATE	BY	REMARKS

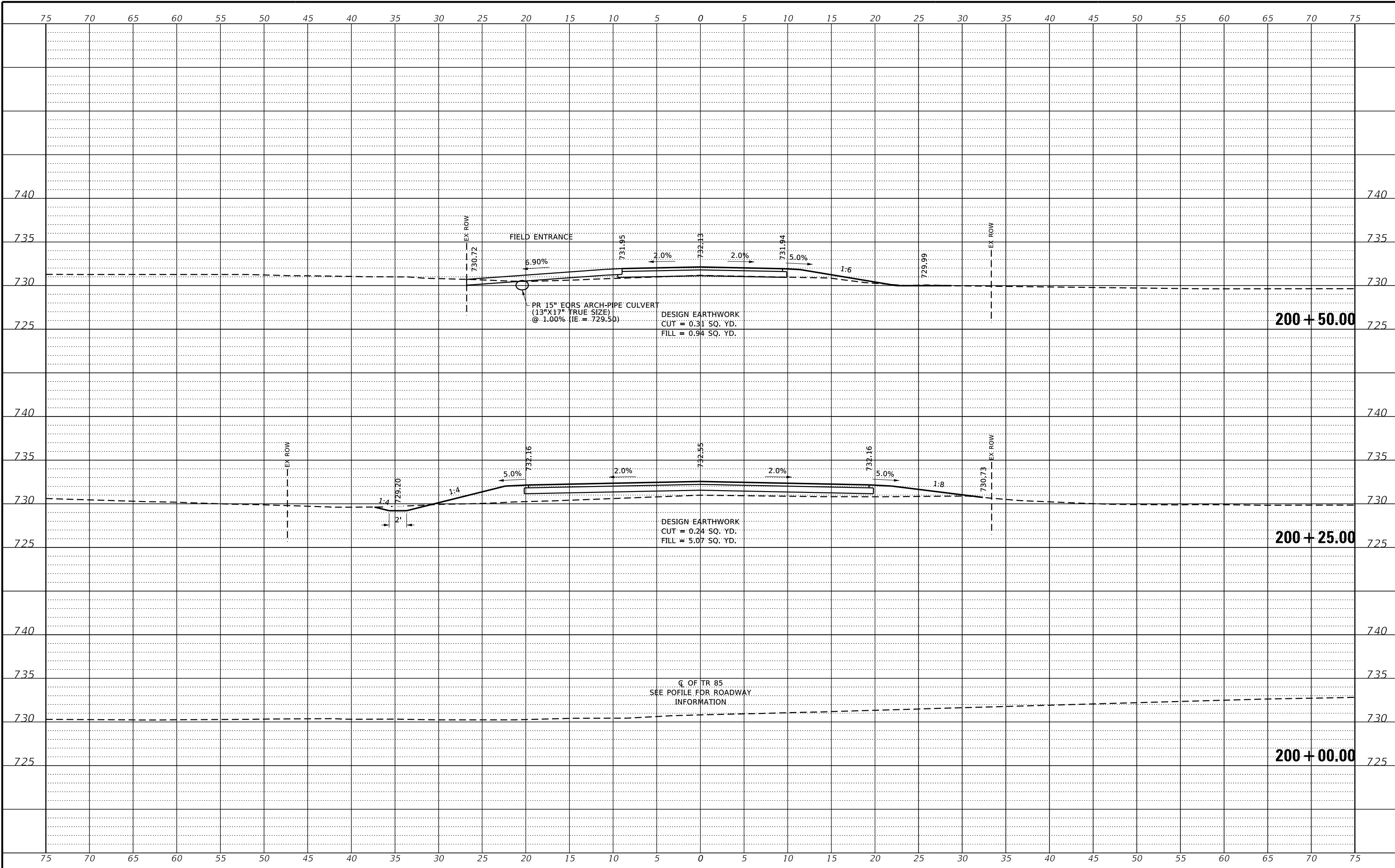
DESIGNED	GBG
DRAWN	C.J.I.
REVIEWED	GBG
APPROVED	ATK

BUREAU COUNTY
T.R. 85 (2500 AVE N.) OVER MASTERS CREEK
STATION 20+00



TR 85 CROSS SECTIONS
STA: 21+75.00 TO 22+50.00
SHEET NO. 10 OF 10 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	17-19135-00-BR	BUREAU	40	34
WHA# 1674M22		CONTRACT NO. 87816		
ILLINOIS FED. AID PROJECT				



REVISION	DATE	BY	REMARKS

DESIGNED	GBG
DRAWN	C.J.I.
REVIEWED	GBG
APPROVED	ATK

BUREAU COUNTY
T.R. 85 (2500 AVE N.) OVER MASTERS CREEK
STATION 20+00

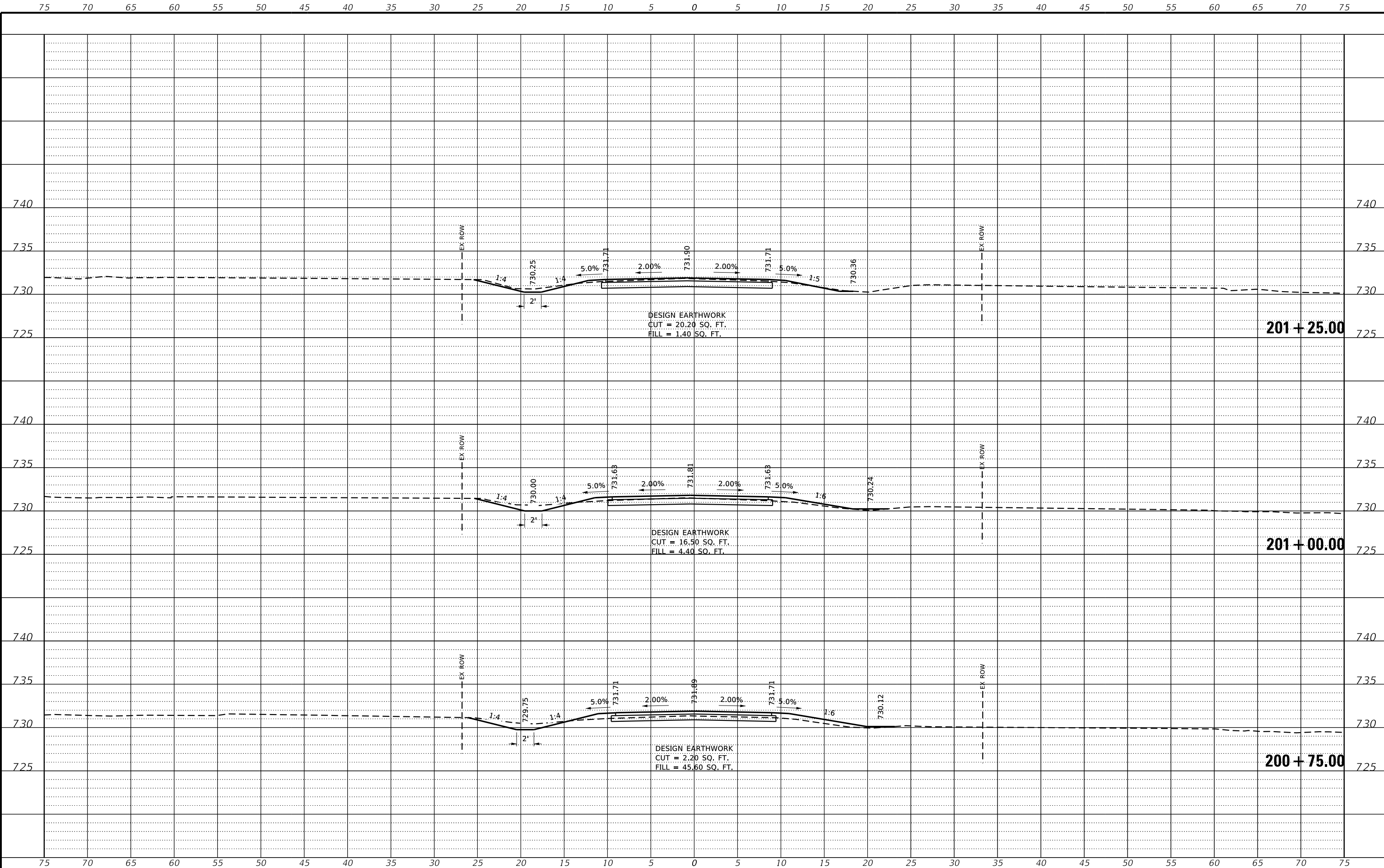


2300 E STREET (NORTH) CROSS SECTIONS
STA: 200+00 TO 200+50.00
SHEET NO. 1 OF 3 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	17-19135-00-BR	BUREAU	40	35
WHA# 1674M22		CONTRACT NO. 87816		
ILLINOIS FED. AID PROJECT				

PRINT_ORGANIZER.BW.plt.ctb 3/13/2024 9:10:00 AM - PLOTTED

FILE = S:\PROJECTS\2022\1674M22.BUC.TR85.DESIGN\CAD.SHEETS\1674M22.XS-Sheets-2300 Nor-th.dgn



REVISION	DATE	BY	REMARKS

DESIGNED	GBG
DRAWN	C.J.I.
REVIEWED	GBG
APPROVED	ATK

BUREAU COUNTY
T.R. 85 (2500 AVE N.) OVER MASTERS CREEK
STATION 20+00



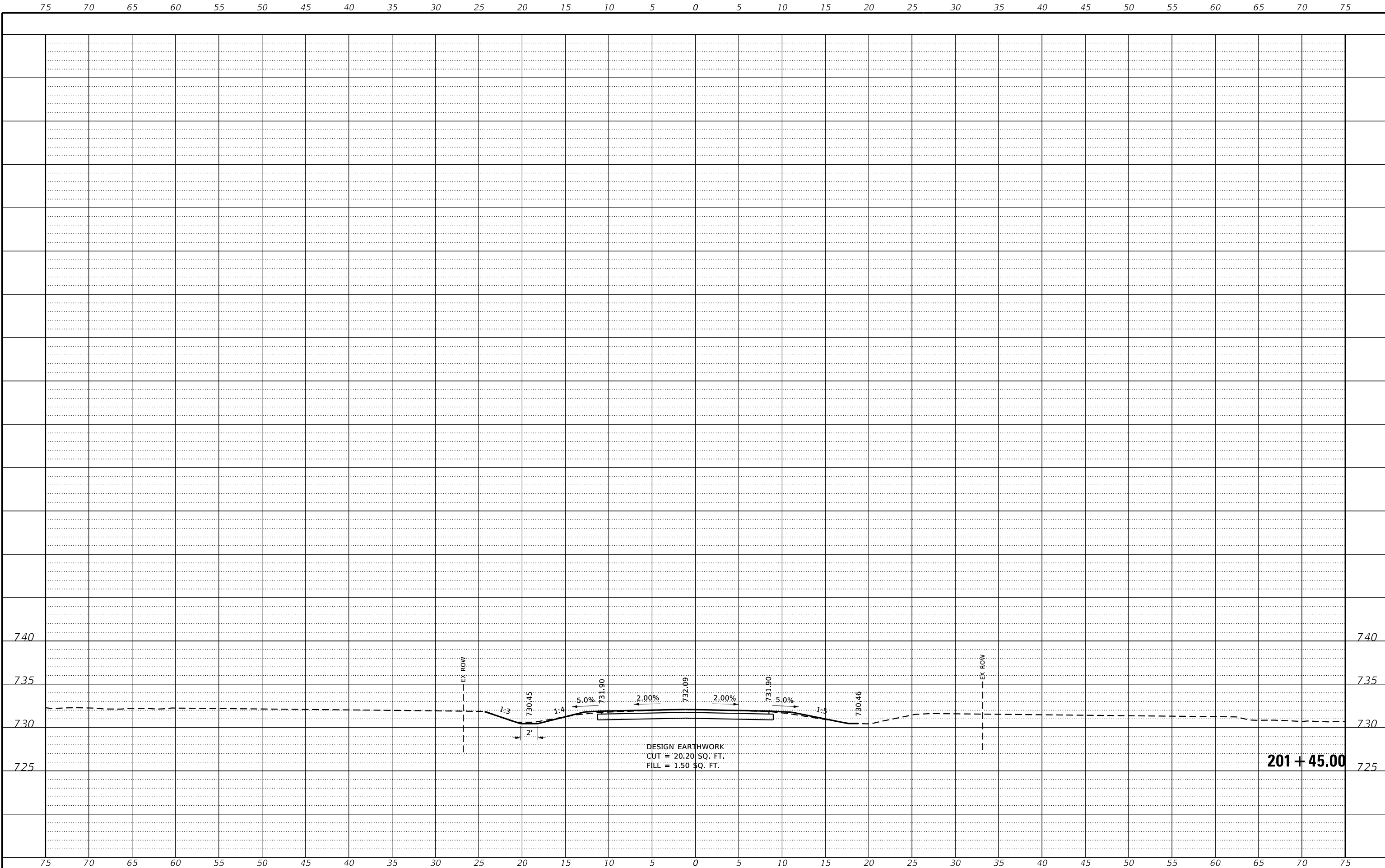
2300 E STREET (NORTH) CROSS SECTIONS
STA: 200+75.00 TO 201+25.00
SHEET NO. 2 OF 3 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	17-19135-00-BR	BUREAU	40	36
WHA# 1674M22		CONTRACT NO. 87816		
ILLINOIS FED. AID PROJECT				

This document is the copyrighted property of Willett, Hofmann & Associates, Inc., and may not be copied or used by any person without written permission. © Copyright 2024 Willett, Hofmann & Associates, Inc.

PRINT_ORGANIZER_BW.plt.ctb 3/13/2024 9:00:01 AM - PLOTTED

FILE = S:\PROJECTS\2022\1674M22.BUC.TR85.DESIGN\CAD.SHEETS\1674M22.XS-Sheets-2300 Nor-th.dgn



REVISION	DATE	BY	REMARKS

DESIGNED	GBG
DRAWN	C.JI
REVIEWED	GBG
APPROVED	ATK

BUREAU COUNTY
T.R. 85 (2500 AVE N.) OVER MASTERS CREEK
STATION 20+00

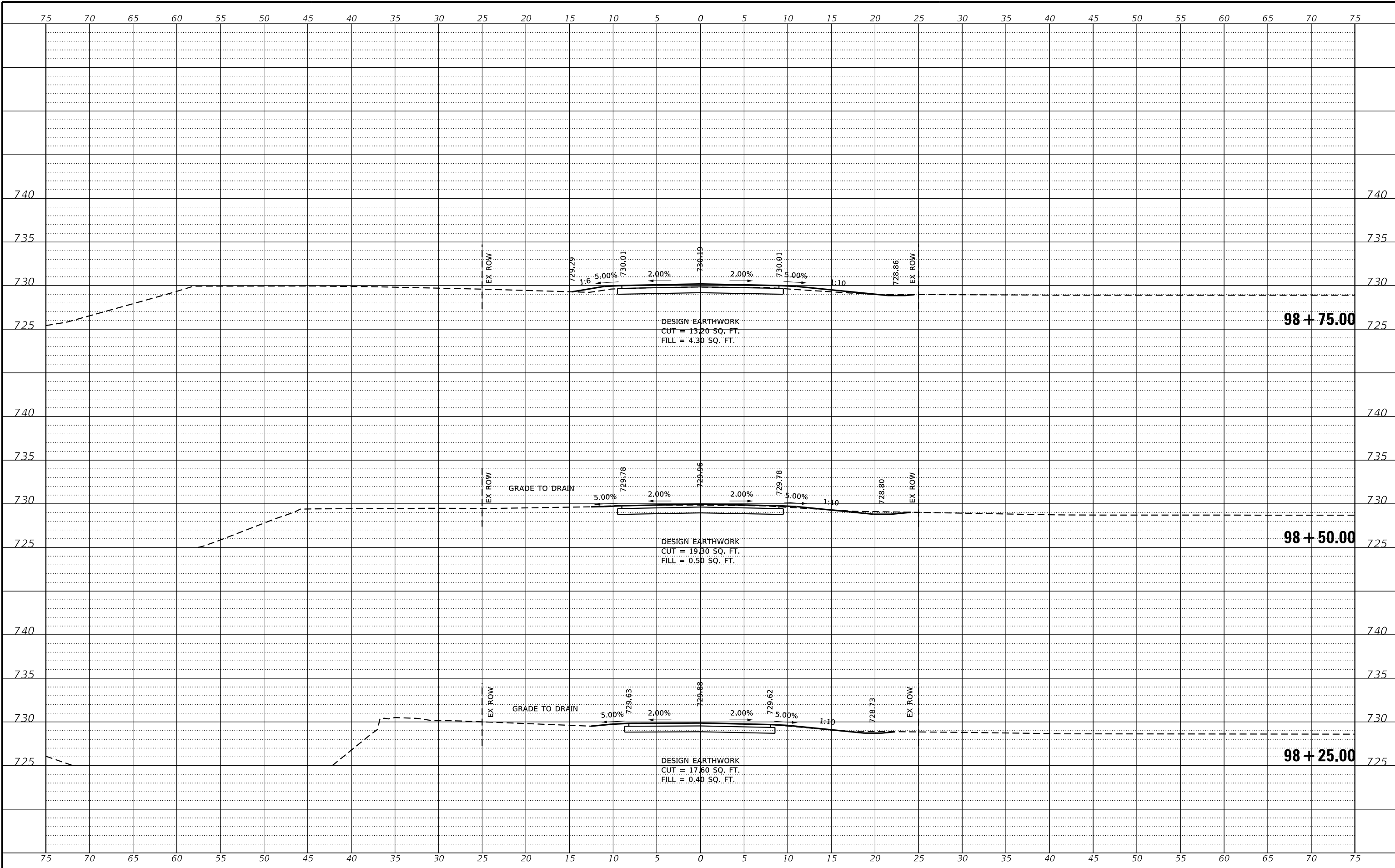


2300 E STREET (NORTH) CROSS SECTIONS
STA: 201+45.00 TO 201+45.00

SHEET NO. 3 OF 3 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	17-19135-00-BR	BUREAU	40	37
WHA# 1674M22		CONTRACT NO. 87816		
ILLINOIS FED. AID PROJECT				

This document is the copyrighted property of Willett, Hofmann & Associates, Inc., and may not be copied or used by any person without written permission. © Copyright 2024 Willett, Hofmann & Associates, Inc.



REVISION	DATE	BY	REMARKS

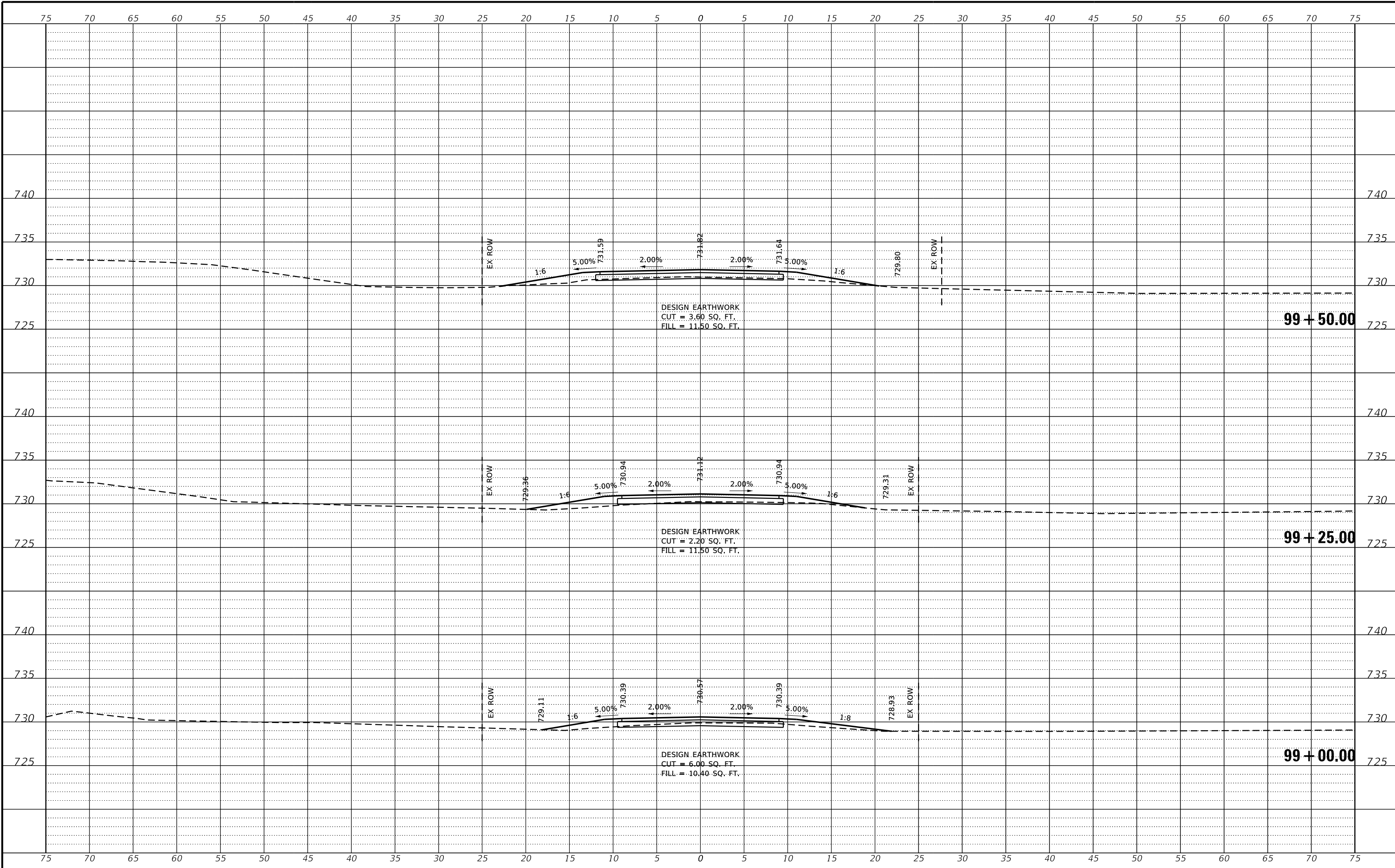
DESIGNED	GBG
DRAWN	C.J.I.
REVIEWED	GBG
APPROVED	ATK

BUREAU COUNTY
T.R. 85 (2500 AVE N.) OVER MASTERS CREEK
STATION 20+00



2300 E. STREET (SOUTH) CROSS SECTIONS
STA 98+25.00 TO 98+75.00
SHEET NO. 1 OF 3 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	17-19135-00-BR	BUREAU	40	38
WHA# 1674M22		CONTRACT NO. 87816		
ILLINOIS FED. AID PROJECT				



REVISION	DATE	BY	REMARKS

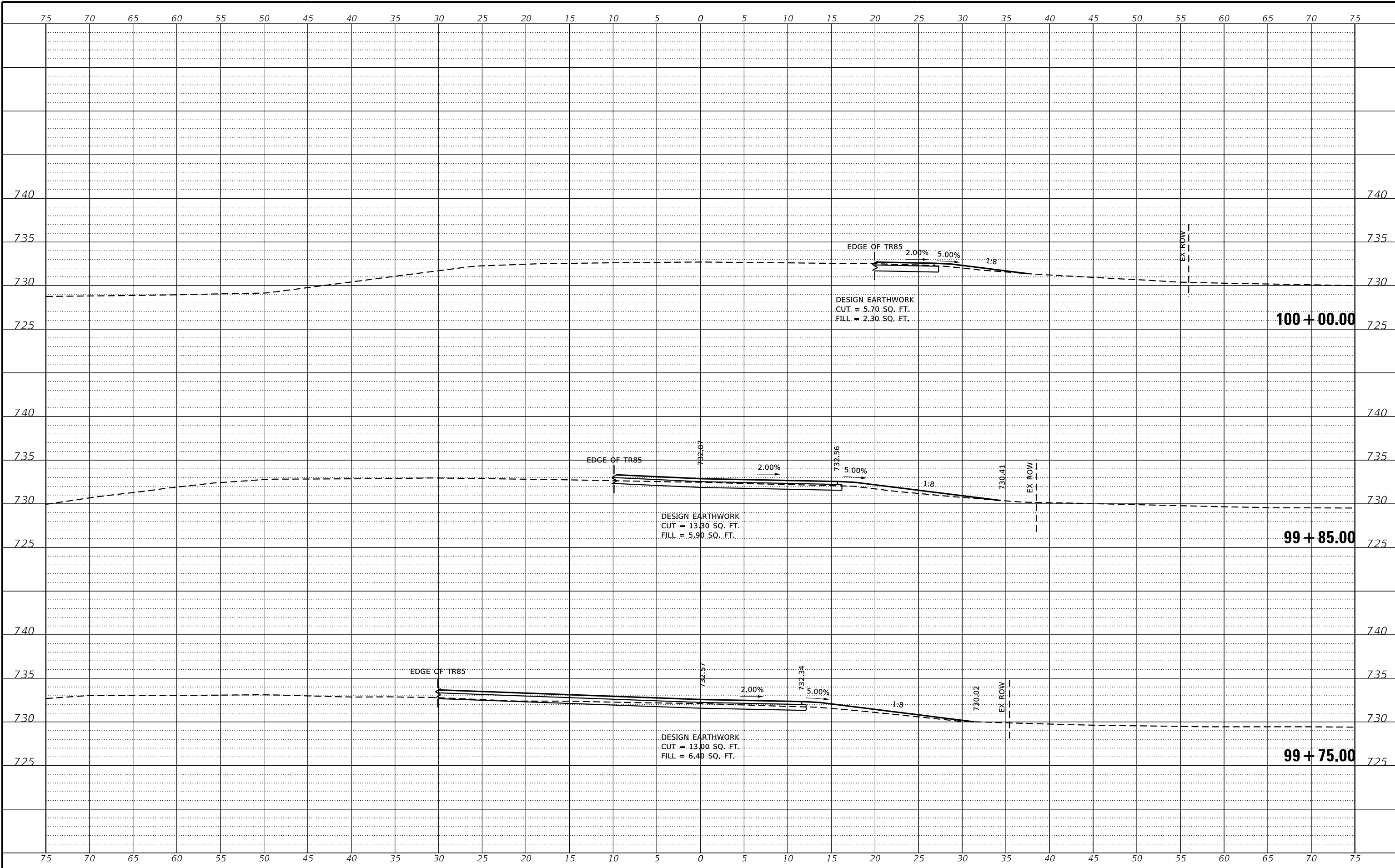
DESIGNED	GBG
DRAWN	C.J.I.
REVIEWED	GBG
APPROVED	ATK

BUREAU COUNTY
T.R. 85 (2500 AVE N.) OVER MASTERS CREEK
STATION 20+00



2300 E. STREET (SOUTH) CROSS SECTIONS
STA 99+00.00 TO 99+50.00
SHEET NO. 2 OF 3 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	17-19135-00-BR	BUREAU	40	39
WHA# 1674M22		CONTRACT NO. 87816		
ILLINOIS FED. AID PROJECT				



REVISION	DATE	BY	REMARKS

DESIGNED	GBG
DRAWN	C.JI
REVIEWED	GBG
APPROVED	ATK

BUREAU COUNTY
T.R. 85 (2500 AVE N.) OVER MASTERS CREEK
STATION 20+00



2300 E. STREET (SOUTH) CROSS SECTIONS
STA 99+75.00 TO 100+00.00
SHEET NO. 3 OF 3 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	17-19135-00-BR	BUREAU	40	40
WHA# 1674M22		CONTRACT NO. 87816		
ILLINOIS FED. AID PROJECT				