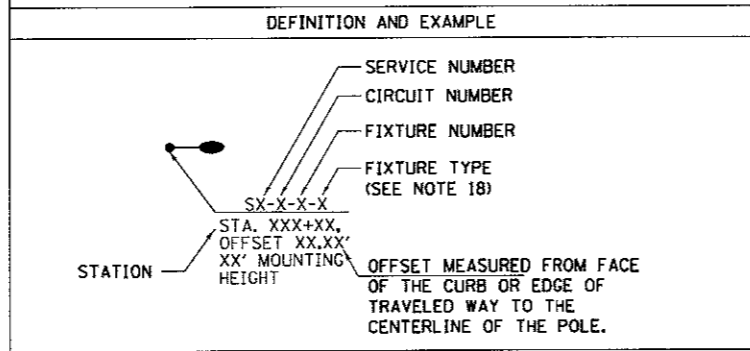


- NOTES:
1. ALL SIGNAL HEADS SHALL HAVE BACKPLATES.
 2. ALL MAST ARM FOUNDATIONS SHALL BE 36" DIAMETER.
 3. CONTRACTOR TO RELOCATE EXISTING STREET NAME SIGN, LEFT-TURN SIGN, AND DAMPENING DEVICE FROM THE EXISTING MAST ARM TO THE PROPOSED MAST ARM. COST OF THESE RELOCATIONS WILL BE INCLUDED IN THE REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PAY ITEM.

LIGHTING AND ELECTRICAL LEGEND

SYMBOL	DESCRIPTION
	LIGHT POLE, ALUMINUM M.H AS NOTED, MAST ARM AS NOTED, LIGHT POLE FOUNDATION, DIAMETER AS NOTED AND LUMINAIRE TYPE AS NOTED.
	PROPOSED UNIT DUCT, SIZE AND TYPE AS NOTED
	PROPOSED CABLE OR UNIT DUCT IN CONCEALED CONDUIT, SIZE AND TYPE AS NOTED
	PROPOSED UTILITY SERVICE CONNECTION, POLE MOUNTED
	EXISTING LIGHTING UNIT TO BE REMOVED

CALL-OUT SAMPLE



ABBREVIATIONS

ABBREVIATION	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
AFG	ABOVE FINISHED GRADE
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CM	CENTIMETER
CP	CONTROL PANEL
CT	CURRENT TRANSFORMER
DA	DAVIT ARM
DC	DIRECT CURRENT
DIA	DIAMETER
DP	DISTRIBUTION PANEL
E	EXISTING UNIT TO REMAIN
ECA	ELECTRIC CABLE ASSEMBLY
FT	FEET OR FOOT
FU	FUSE
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
HPS	HIGH PRESSURE SODIUM
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
LTFM	LIQUID TIGHT FLEXIBLE METALLIC
LPS	LOW PRESSURE SODIUM
M	METER
MA	MAST ARM
MM	MILLIMETER
M.H.	MOUNTING HEIGHT
MW	MESSENGER WIRE
NO. #	NUMBER
P	PROPOSED
PB	PUSH BUTTON
PNL	PANEL
PVC	POLYVINYL CHLORIDE
PVCC	PVC COATED RIGID GALVANIZED CONDUIT
RGC	RIGID GALVANIZED CONDUIT
PT	POTENTIAL TRANSFORMER
R	EXISTING UNIT TO BE REMOVED (OWNER SALVAGED U.N.O.)
RR	EXISTING UNIT TO BE REMOVED AND REINSTALLED
RECP	RECEPTACLE
RGC	RIGID GALVANIZED CONDUIT
SEL SW	SELECTOR SWITCH
SPARE	SPARE
SPACE	SPACE
SS	STAINLESS STEEL
STA	STATION
XFMR	TRANSFORMER
UD	UNIT DUCT
U.N.O.	UNLESS NOTED OTHERWISE
UGC, GS	UNDERGROUND CONDUIT, GALVANIZED STEEL
WP	WOOD POLE

GENERAL NOTES

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS PROJECT, SPECIFICALLY AS THEY RELATE TO LUMP SUM ITEMS AND UNIT PRICE ITEMS.
- ALL NEW CONDUITS, UNIT DUCTS AND APPURTENANCES ARE INDICATED DIAGRAMMATICALLY ON THE DRAWINGS. THE ACTUAL LOCATIONS IN THE FIELD SHALL BE APPROVED BY THE ENGINEER.
- THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST CODES, STANDARDS AND THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED APRIL 1, 2016, AND SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO MARK THE PROPOSED LOCATIONS OF ALL THE LIGHT POLES FOR EXAMINATION AND CONFIRMATION WITH THE ENGINEER AT THE PRE CONSTRUCTION INSPECTION. THE EXACT LOCATION OF ALL ITEMS SHALL BE CONFIRMED WITH THE ENGINEER PRIOR TO STARTING WORK.
- GROUNDING CONNECTIONS AT THE FOUNDATION SHALL BE EXOTHERMICALLY WELDED, AS SPECIFIED, AND SHALL BE OBSERVED AND APPROVED BY THE ENGINEER PRIOR TO CONCRETE POURING OR BACKFILLING, AS APPLICABLE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF THE FINISHED GRADE. THE ENGINEER MAY ASSIST THE CONTRACTOR, AS APPLICABLE, BUT THE RESPONSIBILITY FOR COORDINATION OF THE FINISHED GRADE WITH THE TOP OF THE FOUNDATION HEIGHTS SHALL REMAIN WITH THE CONTRACTOR.
- THE CONTRACTOR SHALL FURNISH AND INSTALL LUMINAIRE LAMPS IN ACCORDANCE WITH THE SUPPLIERS RECOMMENDATIONS AND IN ACCORDANCE WITH THE SPECIFICATIONS. THE COST OF THIS WORK AND MATERIAL SHALL BE INCLUDED IN THE APPLICABLE LUMINAIRE PAY ITEM. SEPARATE PAYMENT WILL NOT BE MADE.
- ALL LUMINAIRES SHALL BE ORIENTED WITH THE OPTICS PERPENDICULAR TO THE ROADWAY UNLESS NOTED OTHERWISE OR DIRECTED BY THE ENGINEER. THE LUMINAIRES MAY REQUIRE NIGHT-TIME OPTICAL ADJUSTMENT UPON INSPECTION BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE APPLICABLE LUMINAIRE PAY ITEMS. SEPARATE PAYMENT WILL NOT BE MADE.
- CONDUITS AND UNIT DUCTS SHALL BE INSTALLED AT A MINIMUM 30 INCH DEPTH BELOW GRADE AND POSITIONED IN THE FIELD TO AVOID CONFLICT WITH ROADWAY UNDERDRAINS AND OTHER EXISTING AND PROPOSED UTILITIES. THE CONTRACTOR SHALL INCREASE DEPTH OF UNIT DUCT AND CONDUIT AS REQUIRED AT NO ADDITIONAL COST TO KENDALL COUNTY. THE CONTRACTOR SHALL COORDINATE RACEWAY DEPTH WITH THE ELECTRICAL DETAILS AND THE ENGINEER.
- THE CONTRACTOR SHALL MAKE SPECIAL NOTE OF THE SPECIFIED REQUIREMENTS FOR BURIED WARNING TAPE AS PART OF THE UNDERGROUND CONDUIT OR UNIT DUCT. THE INSTALLATION OF THE TAPE SHALL BE OBSERVED BY THE ENGINEER PRIOR TO BACKFILLING OR DURING PLOWING OPERATIONS, AS APPLICABLE.
- WHERE THE CONTRACTORS EXCAVATION MEETS AN OBSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR DIRECTION IN WRITING PRIOR TO FURTHER EXCAVATION. THE CONTRACTOR SHALL RESTORE ANY DAMAGE TO EXISTING SYSTEMS OR UTILITIES AND REMOVE EXISTING OBSTRUCTIONS AND FOUNDATIONS TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE APPROPRIATE PAY ITEM.
- THE CONTRACTOR SHALL COORDINATE INSTALLATION OF CONDUITS, FOUNDATIONS AND UNIT DUCTS WITH THE ROADWAY, DRAINAGE, CURB, AND SIDEWALK WORK AND UNDERGROUND UTILITIES.
- NO POLES SHALL BE ERECTED UNTIL THE RESPECTIVE FOUNDATIONS HAVE BEEN CURED FOR 10 DAYS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- SPLICING OF CONDUCTORS SHALL BE IN POLE BASES OR ABOVE-GRADE WEATHER TIGHT JUNCTION BOXES ONLY. SPLICES BELOW GRADE WILL NOT BE PERMITTED.
- ALL MEASUREMENTS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY MEASUREMENTS IN THE FIELD.
- INSTALL ELECTRIC UTILITY SERVICES PER IDOT STANDARD DETAIL 805001-01, TYPE B
- ALL EXISTING LIGHTING UNITS AND AERIAL CABLE WILL BE REMOVED BY ELECTRIC UTILITY. COORDINATE REMOVAL WITH ELECTRIC UTILITY.
- PHOTOMETRIC DISTRIBUTIONS AND WATTAGES TO BE USED VARY DEPENDING ON LOCATION. LABELS SHOWN ON THE PLANS ARE BASED ON THE PHOTOMETRIC DISTRIBUTION AND WATTAGE TABLE.
- INSTALL HANDHOLES PER IDOT STANDARD DETAIL 814001-30.
- INSTALL BREAKAWAY DEVICES PER IDOT STANDARD DETAIL 838001.

ITEM	UNIT	TOTAL QUANTITY
ELECTRIC SERVICE INSTALLATION (80400100)	EACH	3
ELECTRIC UTILITY SERVICE CONNECTION (80400200)	L SUM	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 1/2" DIA. (81028190)	FOOT	122
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA. (81028220)	FOOT	29
HANDHOLE (81400100)	EACH	2
UNIT DUCT, 600V, 2-1C NO. 10, 1/C NO. 10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE (81603010)	FOOT	995
LIGHT POLE, ALUMINUM, 40 FT. M.H., 15 FT. MAST ARM (83008600)	EACH	2
LIGHT POLE, ALUMINUM, 40 FT. M.H., 2-10 FT. MAST ARMS (83050570)	EACH	2
LIGHT POLE FOUNDATION, 30" DIAMETER (83600300)	FOOT	47
BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE (83800205)	EACH	4
REMOVAL OF LIGHTING UNIT, SALVAGE (84200500)	EACH	2
LUMINAIRE, LED, HORIZONTAL MOUNT, LOW WATTAGE (X1400094)	EACH	6
LUMINAIRE SAFETY CABLE ASSEMBLY (Z0033020)	EACH	6

• INDICATES SPECIAL PROVISION

ELECTRIC UTILITY SERVICE CONNECTIONS

NORTHEAST CORNER OF ELDAMAIN ROAD/RIVER ROAD INTERSECTION
 SOUTHWEST CORNER OF ELDAMAIN ROAD/SCHAEFER ROAD INTERSECTION
 SOUTHEAST CORNER OF ELDAMAIN ROAD, CUMMINS STREET, RENA LANE INTERSECTION

DISTRIBUTION LABEL	DISTRIBUTION TYPE AND WATTAGE	QUANTITY
TYPE A	TYPE II, ~100W LED, SINGLE 15 FT MAST ARM	2
TYPE B	TYPE II, ~100W LED, DOUBLE 10 FT MAST ARM 180° APART	2

1:50 DATE: 5/15/2017 1:50 DATE: 5/15/2017 1:50 DATE: 5/15/2017 1:50 DATE: 5/15/2017 1:50 DATE: 5/15/2017

1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = denrusw	DESIGNED - MAG	REVISED -
PLOT SCALE = 50.0000' / 1"	DRAWN - DJW	REVISED -
PLOT DATE = 5/15/2017	CHECKED - BMA	REVISED -
	DATE - 5/15/17	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

LIGHTING				
LEGEND, GENERAL NOTES AND INDEX OF DRAWINGS				
SCALE:	SHEET NO.	OF	SHEETS	STA.

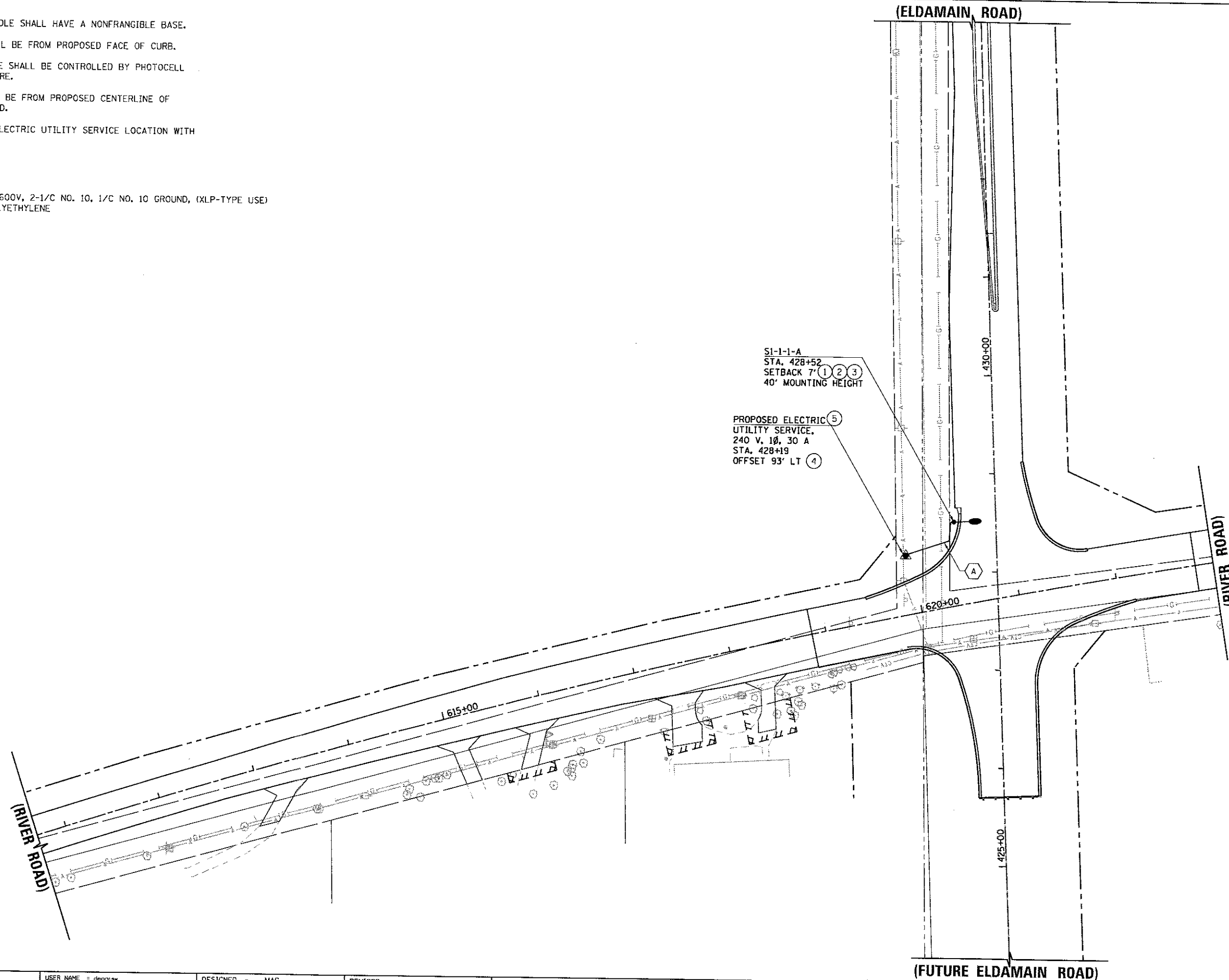
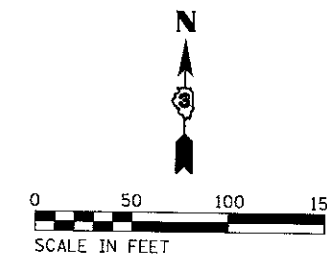
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	102
				CONTRACT NO. 87666
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT				

KEY NOTES:

- ① THIS LIGHT POLE SHALL HAVE A NONFRANGIBLE BASE.
- ② SETBACK SHALL BE FROM PROPOSED FACE OF CURB.
- ③ LIGHT FIXTURE SHALL BE CONTROLLED BY PHOTOCELL ON THE FIXTURE.
- ④ OFFSET SHALL BE FROM PROPOSED CENTERLINE OF ELDAMAIN ROAD.
- ⑤ COORDINATE ELECTRIC UTILITY SERVICE LOCATION WITH COMED.

LEGEND

- Ⓐ UNIT DUCT, 600V, 2-1/2" NO. 10, 1/2" NO. 10 GROUND, (XLP-TYPE USE) 3/4" DIA. POLYETHYLENE



SA STRAND ASSOCIATES
 1170 SOUTH HOBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = denrisw	DESIGNED - MAG	REVISED -
PLOT SCALE = 50.0000' / in.	DRAWN - DJW	REVISED -
PLOT DATE = 5/15/2017	CHECKED - BMA	REVISED -
	DATE - 5/15/17	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

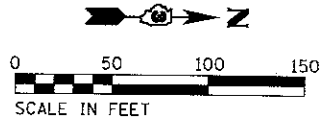
LIGHTING PLAN
ELDAMAIN ROAD & RIVER ROAD

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	104
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT			CONTRACT NO. 87666	

SCALE: SHEET NO. OF SHEETS STA. TO STA.

PROPOSED ELECTRIC
UTILITY SERVICE,
240V, 1Ø, 30A
STA. 447+10
OFFSET 38' LT (1) (3)

SCHAEFER ROAD



(ELDAMAIN ROAD)

(ELDAMAIN ROAD)

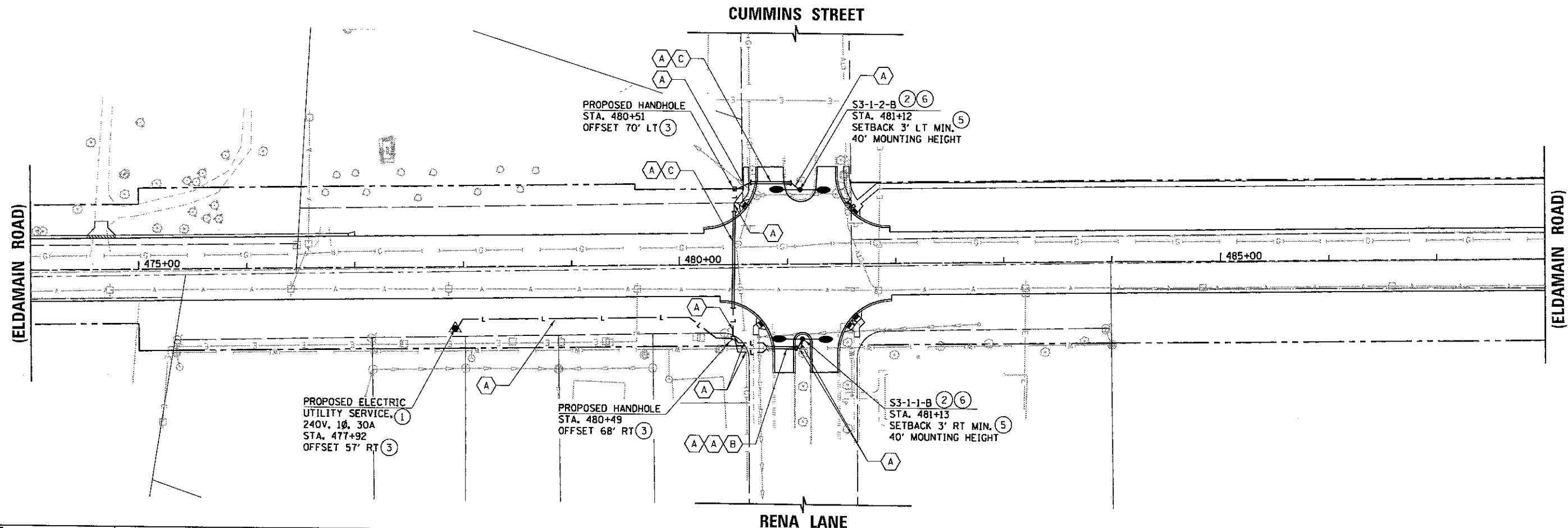
S2-1-1-A (2) (6)
STA. 448+89
SETBACK 13' LT (4)
40' MOUNTING HEIGHT

KEY NOTES:

- ① COORDINATE ELECTRIC UTILITY SERVICE LOCATION WITH COMED.
- ② LIGHT FIXTURE SHALL BE CONTROLLED BY PHOTOCELL ON THE FIXTURE.
- ③ OFFSET SHALL BE FROM PROPOSED CENTERLINE OF ELDAMAIN ROAD.
- ④ SETBACK SHALL BE FROM THE PROPOSED EDGE OF TRAVELED WAY.
- ⑤ SETBACK SHALL BE FROM THE PROPOSED FACE OF CURB IN ANY DIRECTION.
- ⑥ THIS POLE SHALL HAVE A FRANGIBLE BASE.

LEGEND

- (A) UNIT DUCT, 600V, 2-1C NO. 10, 1/C NO. 10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE.
- (B) UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.
- (C) UNDERGROUND CONDUIT, GALVANIZED STEEL, 1 1/2" DIA.



STRAND ASSOCIATES
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = dennisv	DESIGNED - MAG	REVISED -
PLOT SCALE = 50.0000' / 1" =	DRAWN - DJW	REVISED -
PLOT DATE = 5/15/2017	CHECKED - BMA	REVISED -
	DATE - 5/15/17	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

LIGHTING PLAN
ELDAMAIN ROAD

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.I.L. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	105
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 87666

Benchmark: Railroad spike in north face of 3rd power pole east of Eldamain Rd. on south side of River Road. Sta. 427+63.15; 279.64' Rt.; Elev. 623.49.

Existing Structure No. 047-3078; Sta. 467+97 was originally built in 1990. Three 6.6'x9.8' CMP Arch Culverts with C.I.P. Concrete Headwall. The culverts are 52'-0" long.

The existing structure was investigated for presence of asbestos during the preliminary design phase and was found to NOT contain asbestos. Documentation confirming this finding was provided to the Illinois Department of Transportation at that time to clear this project for approval.

Traffic will be detoured.

No salvage.

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. (S_{D1}) = 0.093g
Design Spectral Acceleration at 0.2 sec. (S_{D5}) = 0.167g
Soil Site Class = D

DESIGN SPECIFICATIONS
2014 AASHTO LRFD Bridge Design Specifications, 7th Edition with 2015 & 2016 Interims

DESIGN STRESSES

FIELD UNITS
 f'_c = 3,500 psi (Substructure)
 f'_c = 4,000 psi (Superstructure)
 f_y = 60,000 psi (Reinforcement)
PRECAST PRESTRESSED UNITS
 f'_c = 8,500 psi
 f'_{ci} = 7,000 psi
 f_{pu} = 270,000 psi (0.6" Low Lax. Strands)
 f_{pb} = 202,300 psi (0.6" Low Lax. Strands)

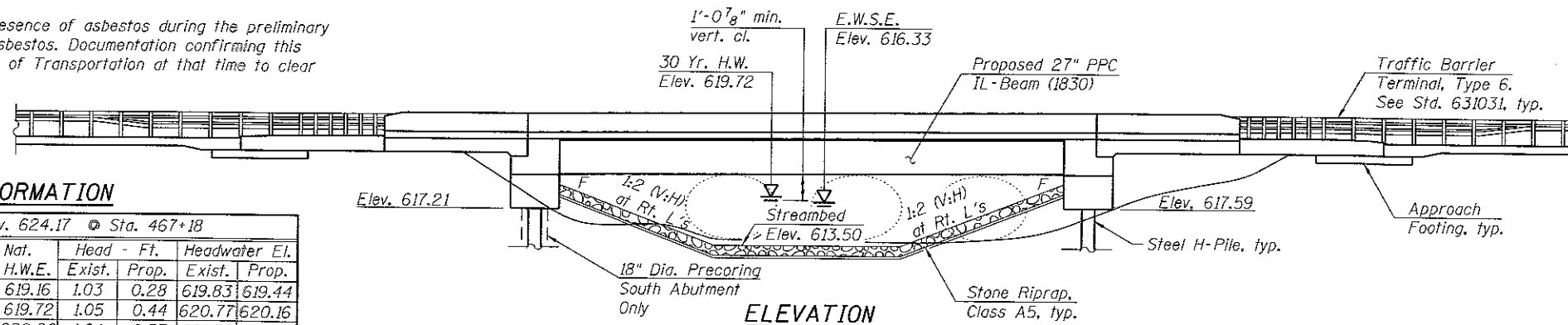
WATERWAY INFORMATION

Drainage Area = 17.48 sq mi Low Grade Elev. 624.17 @ Sta. 467+18

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	813.2	137	205.26	619.16	1.03	0.28	619.83	619.44
Base	100	1485.4	152	273.37	620.26	1.04	0.55	621.30	620.81
Max. Calc.	500	1955	156	288.48	620.91	0.97	1.04	621.88	621.95

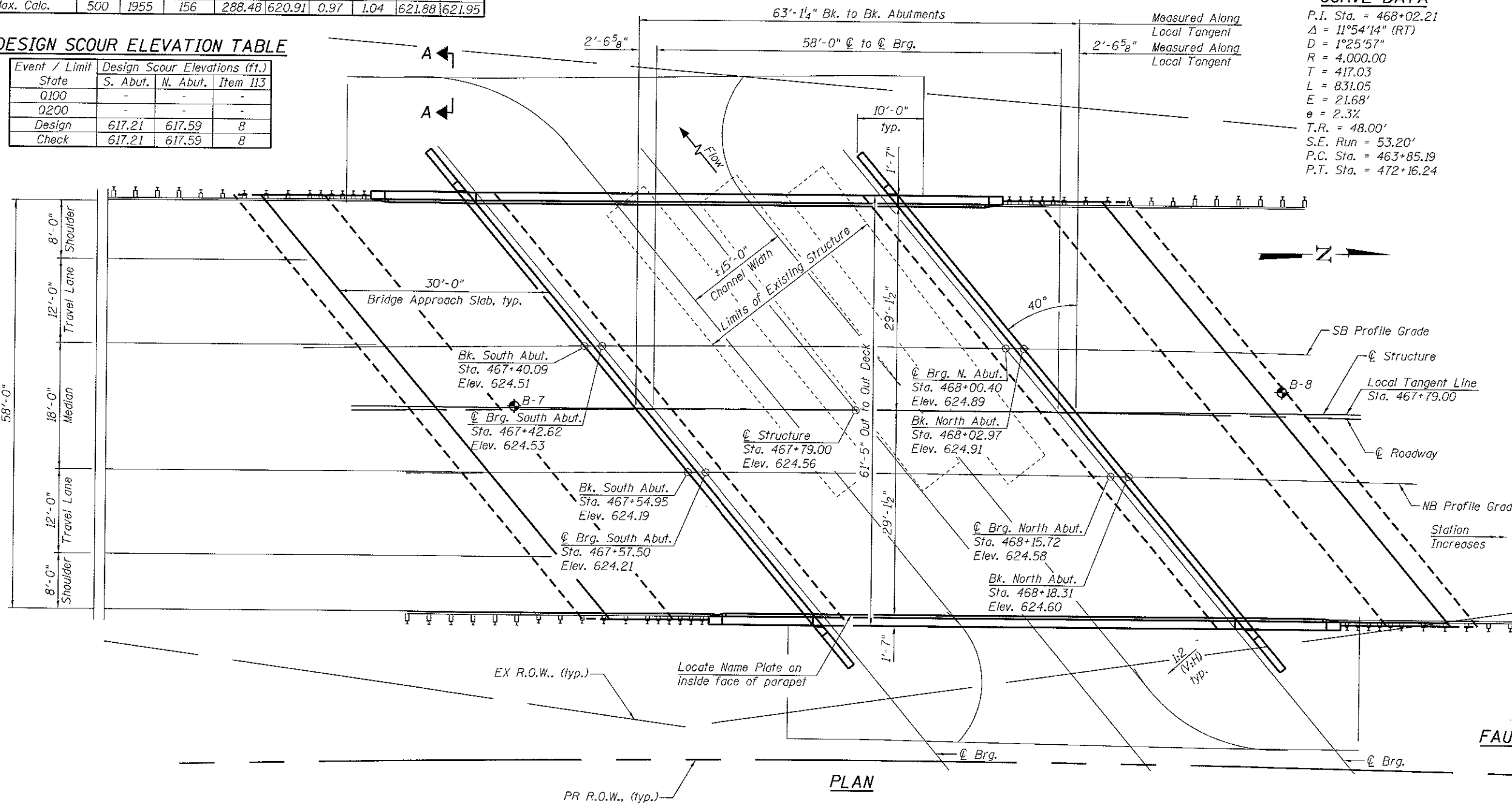
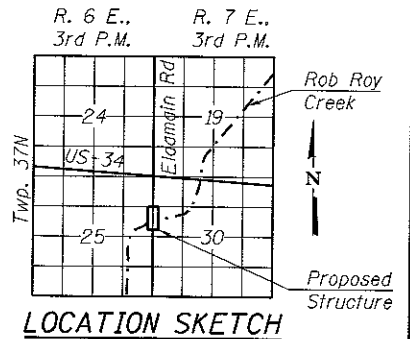
DESIGN SCOUR ELEVATION TABLE

Event / Limit State	Design Scour Elevations (ft.)		
	S. Abut.	N. Abut.	Item 113
Q100	-	-	-
Q200	-	-	-
Design	617.21	617.59	8
Check	617.21	617.59	8



CURVE DATA

P.I. Sta. = 468+02.21
 Δ = 11°54'14" (RT)
D = 1°25'57"
R = 4,000.00
T = 417.03
L = 831.05
E = 21.68'
 e = 2.3%
T.R. = 48.00'
S.E. Run = 53.20'
P.C. Sta. = 463+85.19
P.T. Sta. = 472+16.24



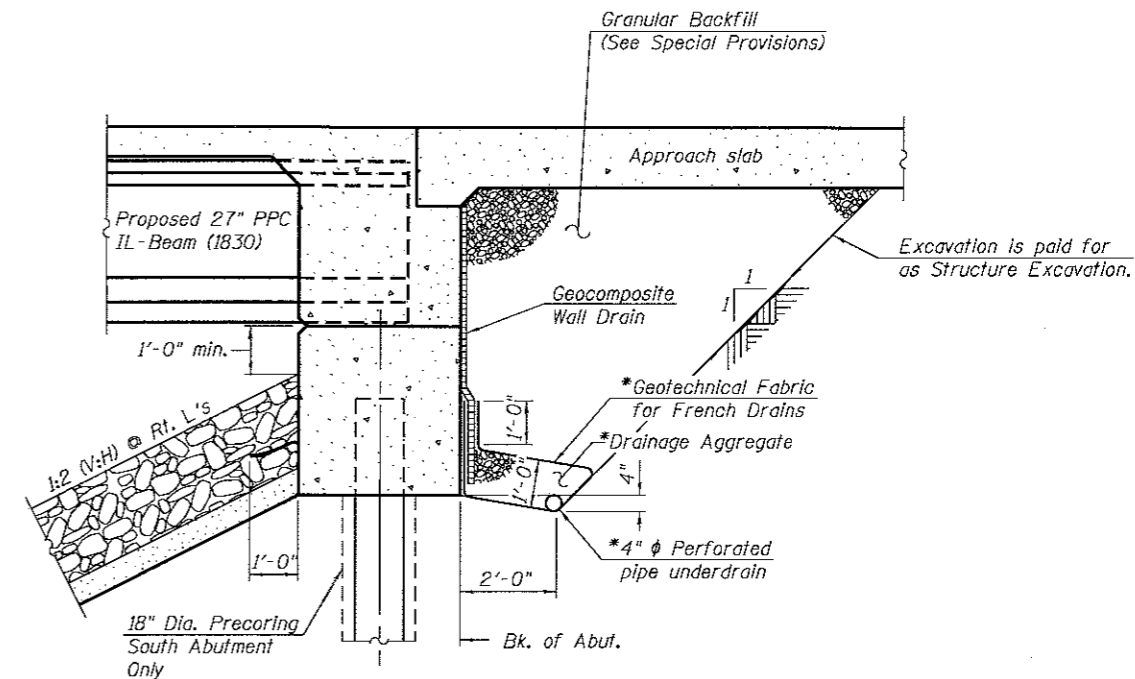
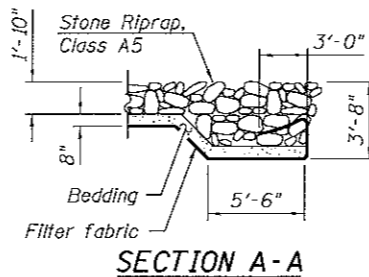
LICENSED STRUCTURAL ENGINEER
ANTHONY J. STANDISH
081-005919
4/11/2018

GENERAL PLAN
C.H. 7 / ELDAMAIN ROAD
OVER ROB ROY CREEK
FAU 4000 SECTION 16-00136-OORP
KENDALL COUNTY
STATION 467+79.00
STRUCTURE NO. 047-3174

1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200	USER NAME = demisaw	DESIGNED - BRL	REVISED -	KENDALL COUNTY HIGHWAY DEPARTMENT	GENERAL PLAN AND ELEVATION STRUCTURE NO. 047-3174		F.A.U. RTE. 4000	SECTION NO. 16-00136-OORP	COUNTY KENDALL	TOTAL SHEETS 237	SHEET NO. 106
	PLOT SCALE = 1/8" = 1'-0" PLOT DATE = 5/17/2017	DRAWN - B.J.F.	CHECKED - A.J.S.		REVISED -	SCALE:	SHEET NO. 1 OF 18 SHEETS	TO STA.	CONTRACT NO. 87666 FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT		

GENERAL NOTES

Reinforcement bars designed (E) shall be epoxy coated.
 Layout of slope protection system may be varied to suit ground conditions in the field as directed by Engineer.
 The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.



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

*Included in the cost of Pipe Underdrains for Structures.
 (See Special Provisions)

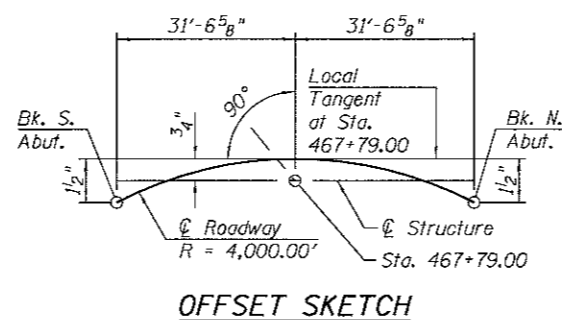
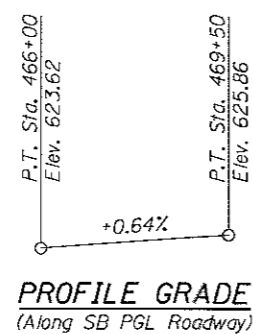
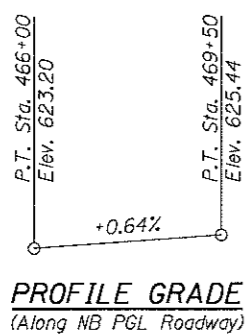
Note:
 All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

INDEX OF SHEETS

- 1 General Plan and Elevation
- 2 General Data
- 3-4 Top of Slab Elevations
- 5 Top of Approach Slab Elevations
- 6 Superstructure
- 7 Superstructure Details
- 8 Diaphragm Details
- 9-10 Bridge Approach Slab Details
- 11 Framing Plan
- 12-13 27" Prestressed I-Beam
- 14 North Abutment Details
- 15 South Abutment Details
- 16 HP Pile Details
- 17-18 Soil Boring Logs

ROB ROY CREEK
 BUILT 201X BY
 KENDALL COUNTY
 SEC. 16-00136-00RP
 F.A.U. RT. 4000 STA. 467+79
 STR. NO. 047-3174 LOADING HL-93

NAME PLATE
 See Std. 515001



TOTAL BILL OF MATERIALS

Item	Unit	Super	Sub	Total
Stone Riprap, Class A5	Sq Yd		700	700
Filter Fabric	Sq Yd		700	700
Removal of Existing Structures	Each		1	1
Structure Excavation	Cu Yd		235	235
Concrete Structures	Cu Yd		150	150
Concrete Superstructure	Cu Yd	351		351
Bridge Deck Grooving	Sq Yd	754		754
Protective Coat	Sq Yd	896		896
Furnishing and Erecting Precast Prestressed Concrete Beams, 1L27N	Foot	474		474
Reinforcement Bars, Epoxy Coated	Pound	108,760	24,600	133,360
Furnishing Steel Piles HP12X53	Foot		861	861
Driving Piles	Foot		861	861
Test Pile Steel HP 12X53	Each		2	2
Pile Shoes	Each		30	30
Name Plates	Each	1		1
Geocomposite Wall Drain	Sq Yd		124	124
Precoring	Foot		150	150
Granular Backfill for Structures	Cu Yd		235	235
Pipe Underdrains for Structures 4"	Foot		270	270

KENDALL COUNTY HIGHWAY DEPARTMENT

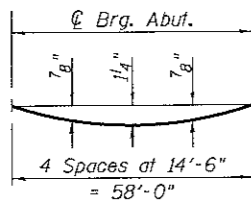
GENERAL DATA
 STRUCTURE NO. 047-3174

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00RP	KENDALL	237	107
CONTRACT NO. 87666			FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT	

STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = dennisw	DESIGNED - BRL	REVISED -
PLOT SCALE = 0.1/0000 1" = 10'	DRAWN - BJF	REVISED -
PLOT DATE = 5/15/2017	CHECKED - AJS	REVISED -
	DATE - 5/15/17	REVISED -

SCALE:	SHEET NO. 2 OF 18 SHEETS	STA.	TO STA.
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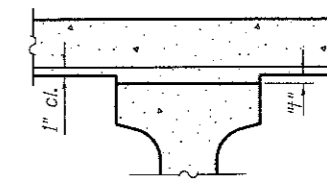


DEAD LOAD DEFLECTION DIAGRAM

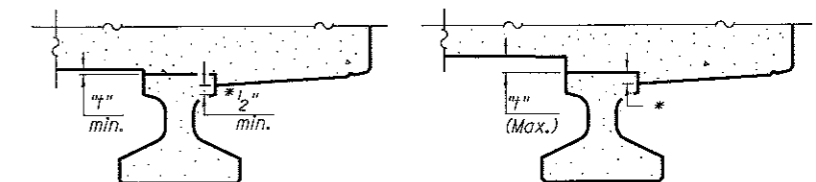
(Includes weight of concrete, excluding beams).

Note:

The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown on Sheet 4 of 18.



FILLET HEIGHTS



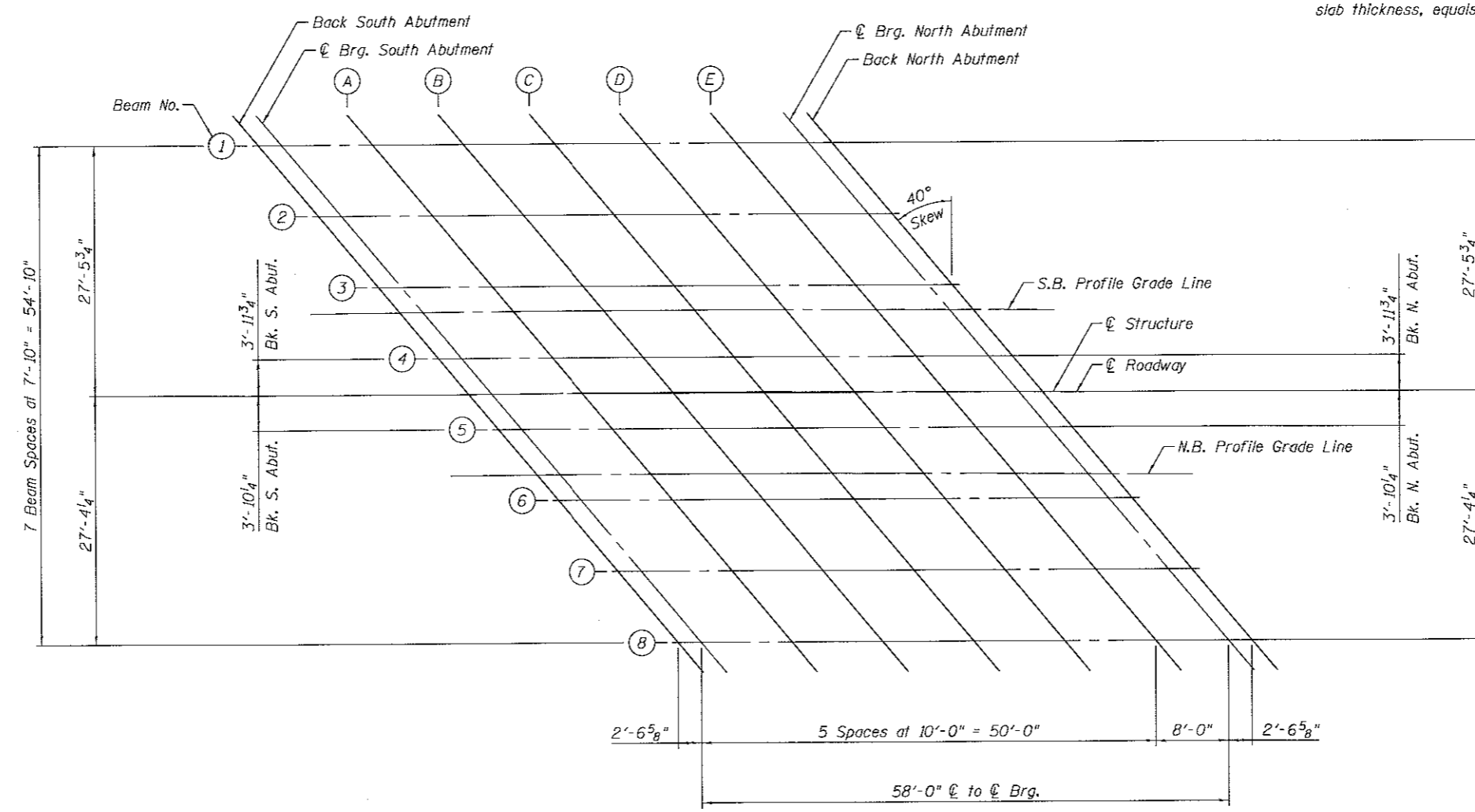
At Minimum Fillet

At Maximum Fillet

* Variable (not less than 1/2")

EXTERIOR BEAMS

To determine "t": After all precast prestressed beams have been erected, elevations of the top flanges of the beams shall be taken at intervals shown on Sheet 4 of 18. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflections" shown on Sheet 4 of 18, minus slab thickness, equals the fillet heights "t" above top flanges of beams.



PLAN



USER NAME = dennisaw	DESIGNED - BRL	REVISED -
PLOT SCALE = 0.1:0000 1/2" = 1'	DRAWN - BJF	REVISED -
PLOT DATE = 5/15/2017	CHECKED - AJS	REVISED -
	DATE - 5/15/17	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

TOP OF SLAB ELEVATIONS (1 OF 2)
STRUCTURE NO. 047-3174

SCALE: SHEET NO. 3 OF 18 SHEETS STA. TO STA.

F.A.U. RTE. 4000	SECTION NO. 16-00136-00RP	COUNTY KENDALL	TOTAL SHEETS 237	SHEET NO. 108
CONTRACT NO. 87666				
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT				

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Back of S. Abut.	467+24.81	-27.72	624.84	624.84
CL Brg. S. Abut.	467+27.35	-27.69	624.86	624.86
A	467+37.28	-27.57	624.92	624.97
B	467+47.21	-27.48	624.98	625.07
C	467+57.14	-27.41	625.04	625.14
D	467+67.08	-27.37	625.11	625.19
E	467+77.01	-27.35	625.17	625.21
CL Brg. N. Abut.	467+84.95	-27.36	625.22	625.22
Back of N. Abut.	467+87.51	-27.36	625.24	625.24

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Back of S. Abut.	467+31.25	-19.81	624.70	624.70
CL Brg. S. Abut.	467+33.79	-19.78	624.72	624.72
A	467+43.74	-19.68	624.78	624.83
B	467+53.69	-19.60	624.84	624.93
C	467+63.64	-19.55	624.91	625.01
D	467+73.59	-19.52	624.97	625.05
E	467+83.54	-19.52	625.03	625.07
CL Brg. N. Abut.	467+91.51	-19.54	625.09	625.09
Back of N. Abut.	467+94.07	-19.55	625.10	625.10

BEAM 3

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Back of S. Abut.	467+37.71	-11.90	624.56	624.56
CL Brg. S. Abut.	467+40.25	-11.88	624.58	624.58
A	467+50.22	-11.79	624.64	624.69
B	467+60.20	-11.73	624.70	624.79
C	467+70.17	-11.70	624.76	624.86
D	467+80.14	-11.69	624.83	624.91
E	467+90.11	-11.70	624.90	624.94
CL Brg. N. Abut.	467+98.08	-11.73	624.95	624.95
Back of N. Abut.	468+00.65	-11.75	624.96	624.96

SOUTHBOUND PROFILE GRADE LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Back of S. Abut.	467+40.09	-9.00	624.51	624.51
CL Brg. S. Abut.	467+42.62	-9.00	624.53	624.53
A	467+52.53	-9.00	624.59	624.64
B	467+62.46	-9.00	624.65	624.74
C	467+72.41	-9.00	624.71	624.81
D	467+82.39	-9.00	624.78	624.86
E	467+92.38	-9.00	624.84	624.88
CL Brg. N. Abut.	468+00.40	-9.00	624.89	624.89
Back of N. Abut.	468+02.97	-9.00	624.91	624.91

BEAM 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Back of S. Abut.	467+44.19	-4.01	624.42	624.42
CL Brg. S. Abut.	467+46.74	-3.98	624.44	624.44
A	467+56.73	-3.92	624.50	624.55
B	467+66.72	-3.87	624.56	624.65
C	467+76.72	-3.86	624.63	624.73
D	467+86.71	-3.86	624.69	624.77
E	467+96.70	-3.89	624.76	624.80
CL Brg. N. Abut.	468+04.69	-3.94	624.81	624.81
Back of N. Abut.	468+07.25	-3.95	624.82	624.82

CENTERLINE ROADWAY

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Back of S. Abut.	467+47.49	0.00	624.35	624.35
CL Brg. S. Abut.	467+50.04	0.00	624.37	624.37
A	467+59.99	0.00	624.43	624.48
B	467+69.96	0.00	624.49	624.58
C	467+79.95	0.00	624.56	624.66
D	467+89.96	0.00	624.63	624.71
E	467+99.99	0.00	624.69	624.73
CL Brg. N. Abut.	468+08.04	0.00	624.74	624.74
Back of N. Abut.	468+10.62	0.00	624.76	624.76

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Back of S. Abut.	467+50.70	3.88	624.28	624.28
CL Brg. S. Abut.	467+53.26	3.90	624.30	624.30
A	467+63.27	3.95	624.36	624.41
B	467+73.28	3.97	624.43	624.52
C	467+83.29	3.98	624.49	624.59
D	467+93.30	3.95	624.56	624.64
E	468+03.31	3.91	624.62	624.66
CL Brg. N. Abut.	468+11.32	3.85	624.67	624.67
Back of N. Abut.	468+13.89	3.83	624.69	624.69

NORTHBOUND PROFILE GRADE LINE

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Back of S. Abut.	467+54.95	9.00	624.19	624.19
CL Brg. S. Abut.	467+57.50	9.00	624.21	624.21
A	467+67.49	9.00	624.27	624.32
B	467+77.50	9.00	624.34	624.43
C	467+87.53	9.00	624.40	624.50
D	467+97.58	9.00	624.46	624.54
E	468+07.65	9.00	624.53	624.57
CL Brg. N. Abut.	468+15.72	9.00	624.58	624.58
Back of N. Abut.	468+18.31	9.00	624.60	624.60

BEAM 6

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Back of S. Abut.	467+57.24	11.75	624.14	624.14
CL Brg. S. Abut.	467+59.80	11.77	624.16	624.16
A	467+69.83	11.80	624.22	624.27
B	467+79.86	11.81	624.29	624.38
C	467+89.89	11.80	624.35	624.45
D	467+99.92	11.76	624.42	624.50
E	468+09.95	11.69	624.48	624.52
CL Brg. N. Abut.	468+17.97	11.62	624.54	624.54
Back of N. Abut.	468+20.54	11.60	624.55	624.55

BEAM 7

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Back of S. Abut.	467+63.80	19.62	624.01	624.01
CL Brg. S. Abut.	467+66.37	19.63	624.02	624.02
A	467+76.42	19.64	624.09	624.14
B	467+86.47	19.64	624.15	624.24
C	467+96.52	19.61	624.21	624.31
D	468+06.57	19.55	624.28	624.36
E	468+16.62	19.47	624.35	624.39
CL Brg. N. Abut.	468+24.65	19.39	624.40	624.40
Back of N. Abut.	468+27.23	19.36	624.42	624.42

BEAM 8

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted for Dead Load Deflection
Back of S. Abut.	467+70.39	27.47	623.87	623.87
CL Brg. S. Abut.	467+72.96	27.47	623.88	623.88
A	467+83.03	27.48	623.95	624.00
B	467+93.10	27.45	624.02	624.11
C	468+03.17	27.41	624.08	624.18
D	468+13.24	27.33	624.14	624.22
E	468+23.31	27.24	624.21	624.25
CL Brg. N. Abut.	468+31.36	27.14	624.26	624.26
Back of N. Abut.	468+33.94	27.10	624.28	624.28



USER NAME = darrinw	DESIGNED - BRL	REVISED -
PLOT SCALE = 0=1.0000' / 1"	DRAWN - BJF	REVISED -
PLOT DATE = 5/15/2017	CHECKED - AJS	REVISED -
	DATE - 5/15/17	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

TOP OF SLAB ELEVATIONS (2 OF 2)
STRUCTURE NO. 047-3174

SCALE: SHEET NO. 4 OF 18 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00RP	KENDALL	237	109
CONTRACT NO. 87666				
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT				

WEST EDGE OF SOUTHBOUND SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
S. End South Appr. Slab	466+94.93	-29.95	624.70
A1	467+04.86	-29.76	624.76
A2	467+14.78	-29.58	624.82
N. End South Appr. Slab	467+24.71	-29.43	624.88
S. End North Appr. Slab	467+84.77	-29.07	625.26
A3	467+94.70	-29.09	625.32
A4	468+04.63	-29.15	625.39
N. End North Appr. Slab	468+14.55	-29.22	625.45

WEST EDGE OF SOUTHBOUND PAVEMENT

Location	Station	Offset	Theoretical Grade Elevations
S. End South Appr. Slab	467+02.10	-21.00	624.54
A1	467+11.90	-21.00	624.61
A2	467+21.72	-21.00	624.67
N. End South Appr. Slab	467+31.56	-21.00	624.73
S. End North Appr. Slab	467+91.53	-21.00	625.12
A3	468+01.51	-21.00	625.18
A4	468+11.52	-21.00	625.24
N. End North Appr. Slab	468+21.55	-21.00	625.31

**EAST EDGE OF SOUTHBOUND PAVEMENT/
SOUTHBOUND PROFILE GRADE LINE**

Location	Station	Offset	Theoretical Grade Elevations
S. End South Appr. Slab	467+11.77	-9.00	624.33
A1	467+21.62	-9.00	624.39
A2	467+31.49	-9.00	624.45
N. End South Appr. Slab	467+41.38	-9.00	624.52
S. End North Appr. Slab	468+01.65	-9.00	624.90
A3	468+11.69	-9.00	624.97
A4	468+21.74	-9.00	625.03
N. End North Appr. Slab	468+31.82	-9.00	625.09

CENTERLINE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
S. End South Appr. Slab	467+19.07	0.00	624.17
A1	467+28.96	0.00	624.24
A2	467+38.86	0.00	624.30
N. End South Appr. Slab	467+48.79	0.00	624.36
S. End North Appr. Slab	468+09.29	0.00	624.75
A3	468+19.37	0.00	624.81
A4	468+29.47	0.00	624.88
N. End North Appr. Slab	468+39.59	0.00	624.94

**WEST EDGE OF NORTHBOUND PAVEMENT/
NORTHBOUND PROFILE GRADE LINE**

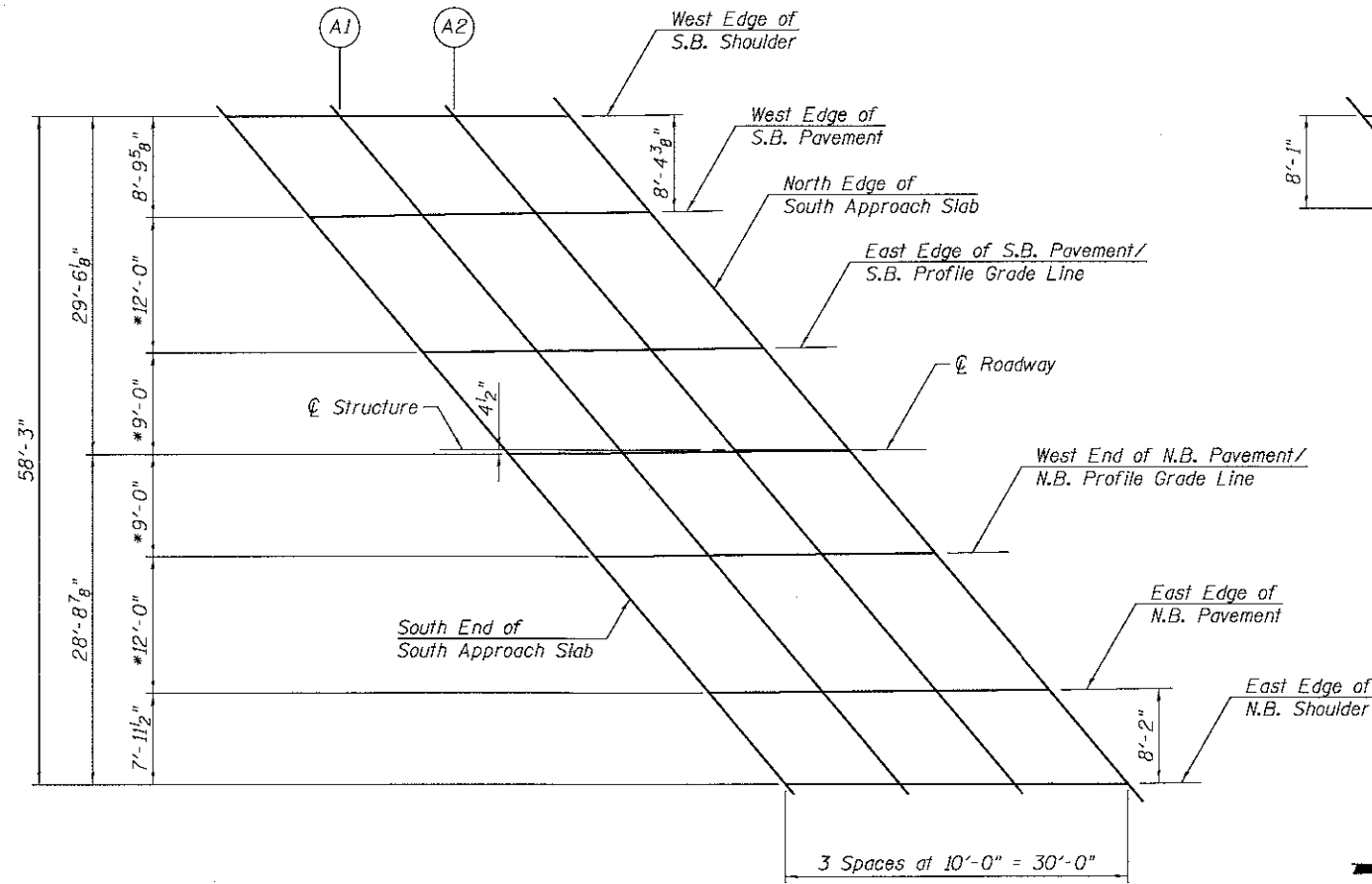
Location	Station	Offset	Theoretical Grade Elevations
S. End South Appr. Slab	467+26.42	9.00	624.01
A1	467+36.34	9.00	624.07
A2	467+46.29	9.00	624.14
N. End South Appr. Slab	467+56.25	9.00	624.20
S. End North Appr. Slab	468+16.99	9.00	624.59
A3	468+27.10	9.00	624.65
A4	468+37.24	9.00	624.72
N. End North Appr. Slab	468+47.40	9.00	624.78

EAST EDGE OF NORTHBOUND PAVEMENT

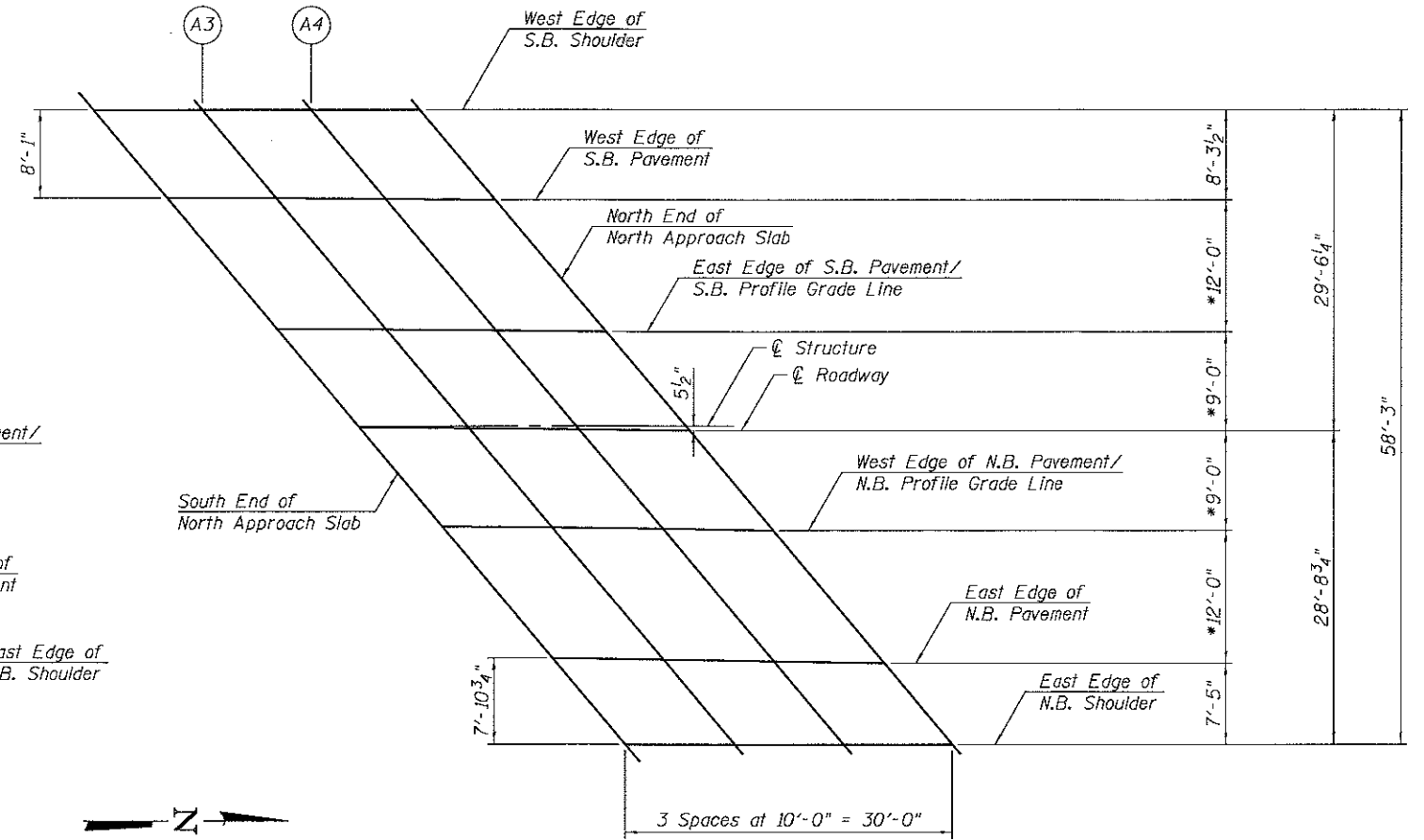
Location	Station	Offset	Theoretical Grade Elevations
S. End South Appr. Slab	467+36.28	21.00	623.79
A1	467+46.26	21.00	623.86
A2	467+56.25	21.00	623.92
N. End South Appr. Slab	467+66.27	21.00	623.99
S. End North Appr. Slab	468+27.32	21.00	624.38
A3	468+37.49	21.00	624.44
A4	468+47.68	21.00	624.51
N. End North Appr. Slab	468+57.89	21.00	624.57

EAST EDGE OF NORTHBOUND SHOULDER

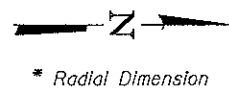
Location	Station	Offset	Theoretical Grade Elevations
S. End South Appr. Slab	467+42.92	29.03	623.66
A1	467+53.00	29.10	623.72
A2	467+63.07	29.16	623.78
N. End South Appr. Slab	467+73.14	29.18	623.84
S. End North Appr. Slab	468+34.09	28.81	624.24
A3	468+44.16	28.66	624.31
A4	468+54.23	28.48	624.38
N. End North Appr. Slab	468+64.30	28.28	624.45

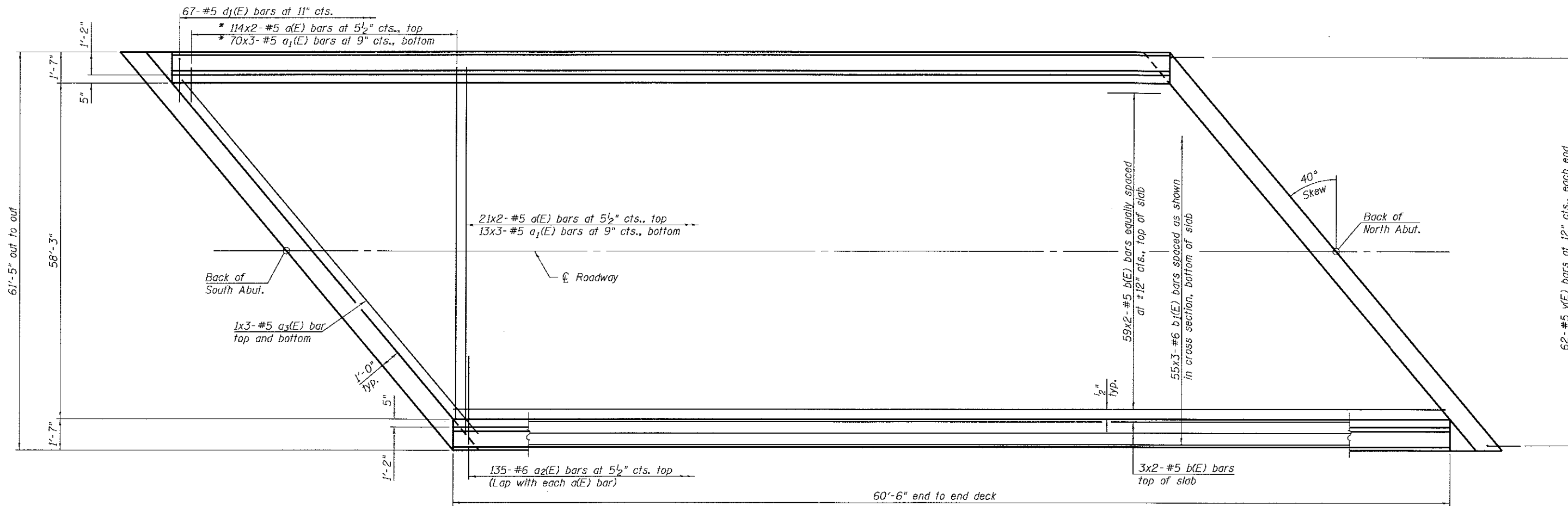


SOUTH APPROACH PLAN



NORTH APPROACH PLAN



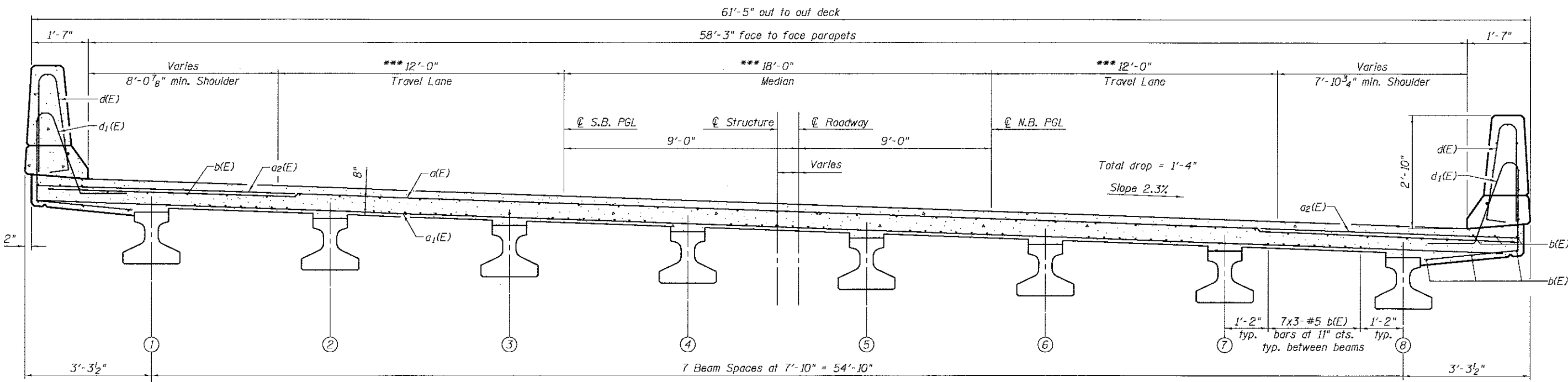


* Order a(E) and a1(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

MINIMUM BAR LAP
#5 bar = 3'-6"

PLAN

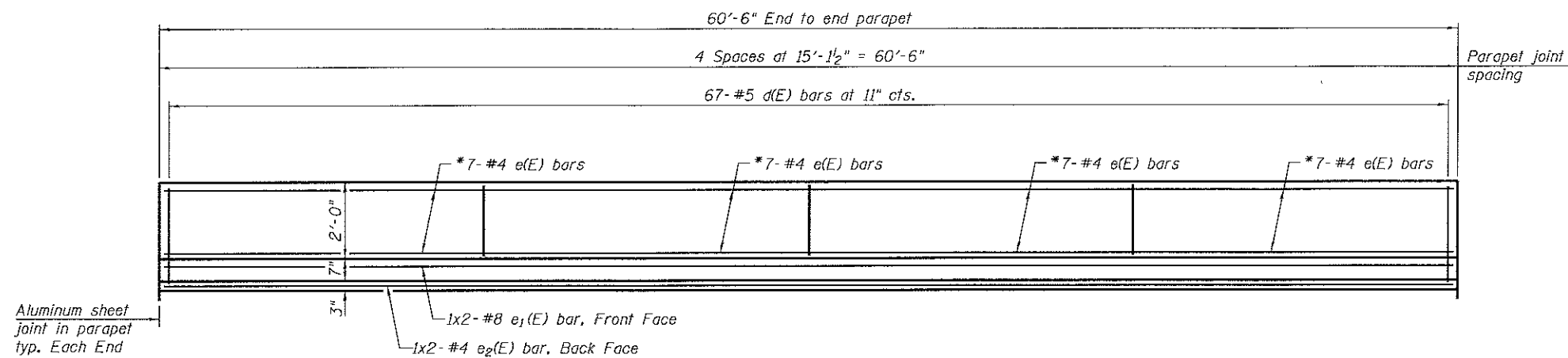
Notes:
See Sheet 7 of 18 for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
See Sheet 7 of 18 for parapet reinforcement.



CROSS SECTION
(Looking North)

*** Radial dimension

 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 STRAND ASSOCIATES (815) 744-4200	USER NAME = dennisw	DESIGNED - BRL	REVISED -	KENDALL COUNTY HIGHWAY DEPARTMENT	SUPERSTRUCTURE STRUCTURE NO. 047-3174		F.A.U. RTE. 4000	SECTION NO. 16-00136-00RP	COUNTY KENDALL	TOTAL SHEETS 237	SHEET NO. 111		
	PLOT SCALE = 0:1.0000 1/4" = 1'-0"	CHECKED - AJS	REVISED -		SCALE:	SHEET NO. 6 OF 18 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT I					
	PLOT DATE = 5/15/2017	DATE - 5/15/17	REVISED -		CONTRACT NO. 87666								

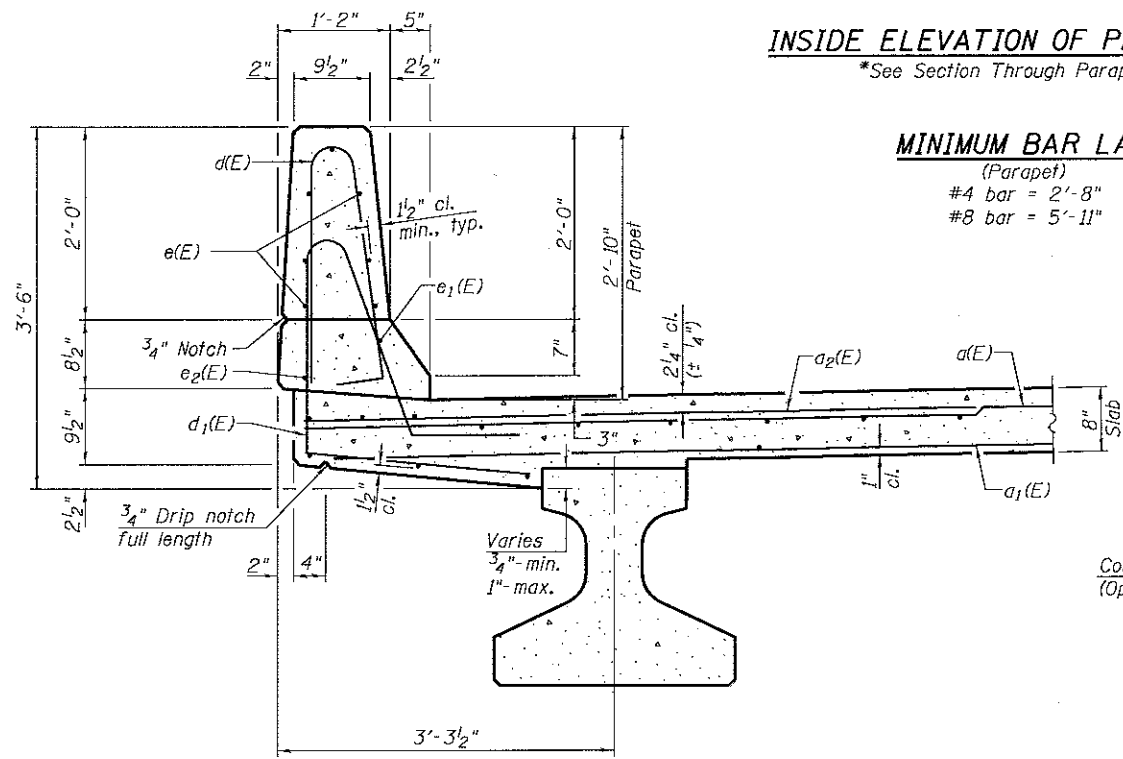


INSIDE ELEVATION OF PARAPET

*See Section Through Parapet

MINIMUM BAR LAP

(Parapet)
 #4 bar = 2'-8"
 #8 bar = 5'-11"

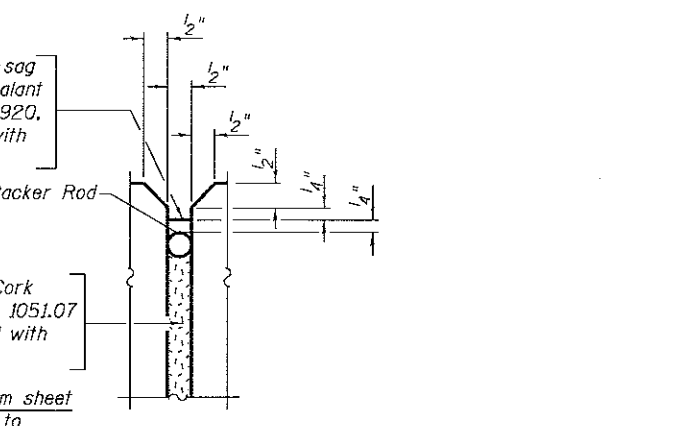


Non-staining gray one component non-sag elastomeric gun grade polyurethane sealant meeting the requirements of ASTM C-920, Type S, Grade NS, Class 25. Use T with a 5/8" backer rod.

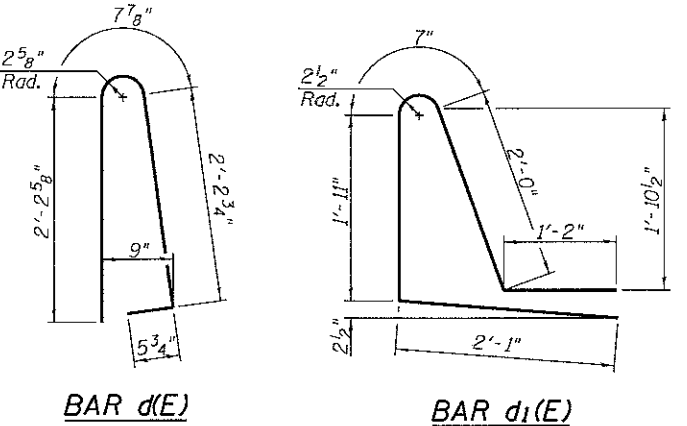
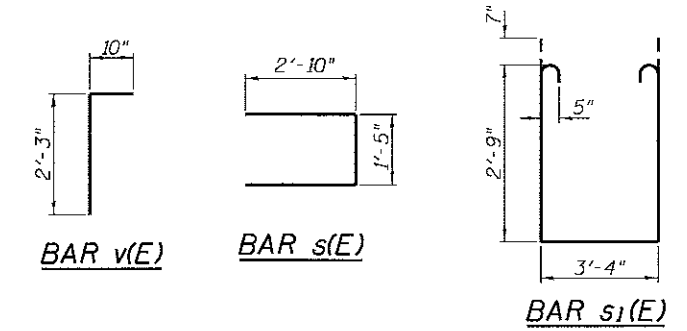
1/2" Preformed Self-Expanding Cork Joint Filler according to Article 1051.07 of the Std. Spec. Cost included with Concrete Superstructure.

Const. Jts. at abutments. 1/8" Aluminum sheet ASTM B 209 alloy 3003-H14 coated to minimize reaction with wet concrete. Cost included with Concrete Superstructure

PARAPET JOINT DETAILS



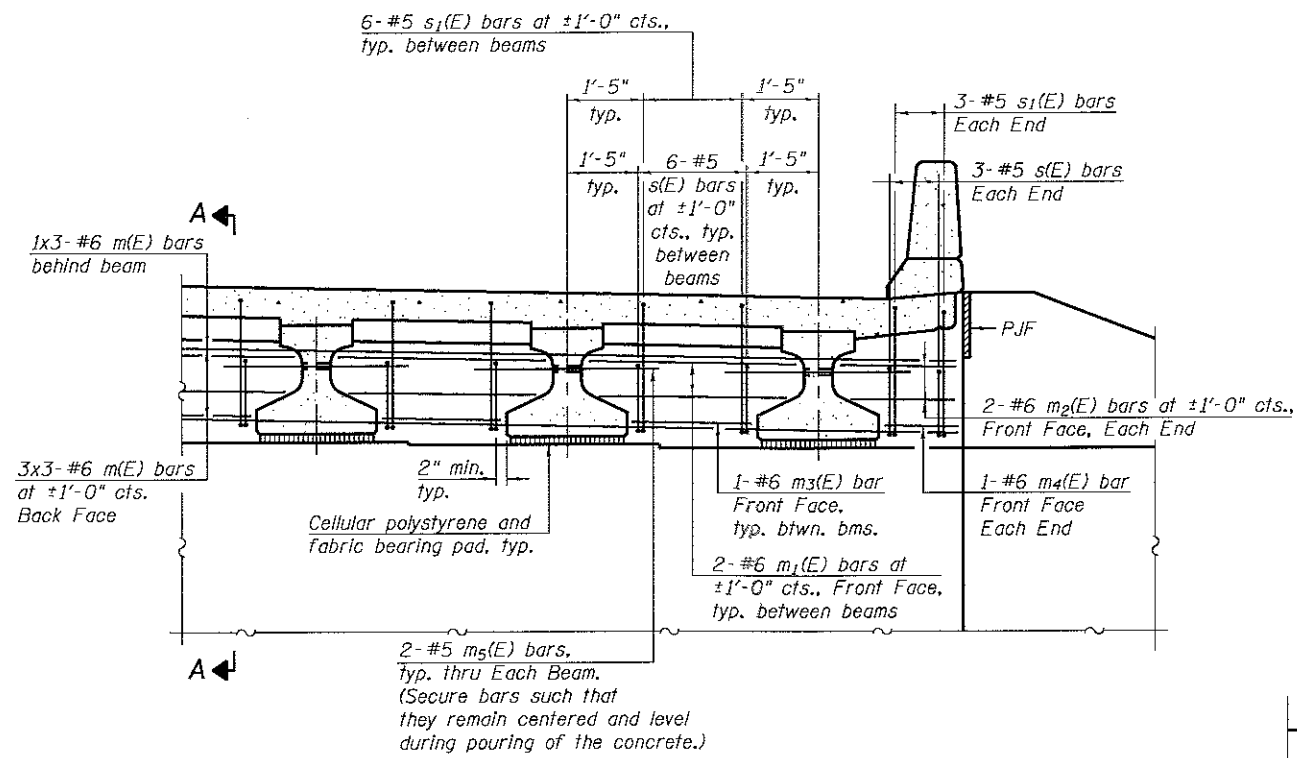
SECTION THRU PARAPET



SUPERSTRUCTURE BILL OF MATERIAL

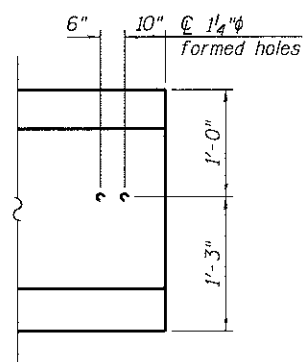
Bar	No.	Size	Length	Shape
a(E)	270	#5	32'-2"	—
a1(E)	249	#5	22'-7"	—
a2(E)	270	#6	6'-6"	—
a3(E)	12	#5	28'-10"	—
b(E)	130	#5	31'-10"	—
b1(E)	165	#5	22'-6"	—
d(E)	134	#5	5'-7"	⌒
d1(E)	134	#5	7'-8"	⌒
e(E)	56	#4	14'-9"	—
e1(E)	4	#8	33'-1"	—
e2(E)	4	#4	31'-5"	—
m(E)	24	#6	29'-5"	—
m1(E)	28	#6	9'-0"	—
m2(E)	8	#6	3'-5"	—
m3(E)	14	#6	6'-6"	—
m4(E)	4	#6	2'-2"	—
m5(E)	32	#5	4'-0"	—
s(E)	96	#5	7'-1"	□
s1(E)	96	#5	10'-0"	□
v(E)	124	#5	3'-1"	┌
Reinforcement Bars, Epoxy Coated		Lbs.	36,500	
Concrete Superstructure		Cu. Yds.	171	

Bars indicated thus 1 x 2 #8 etc. indicates 1 line of bars with 2 lengths per line.

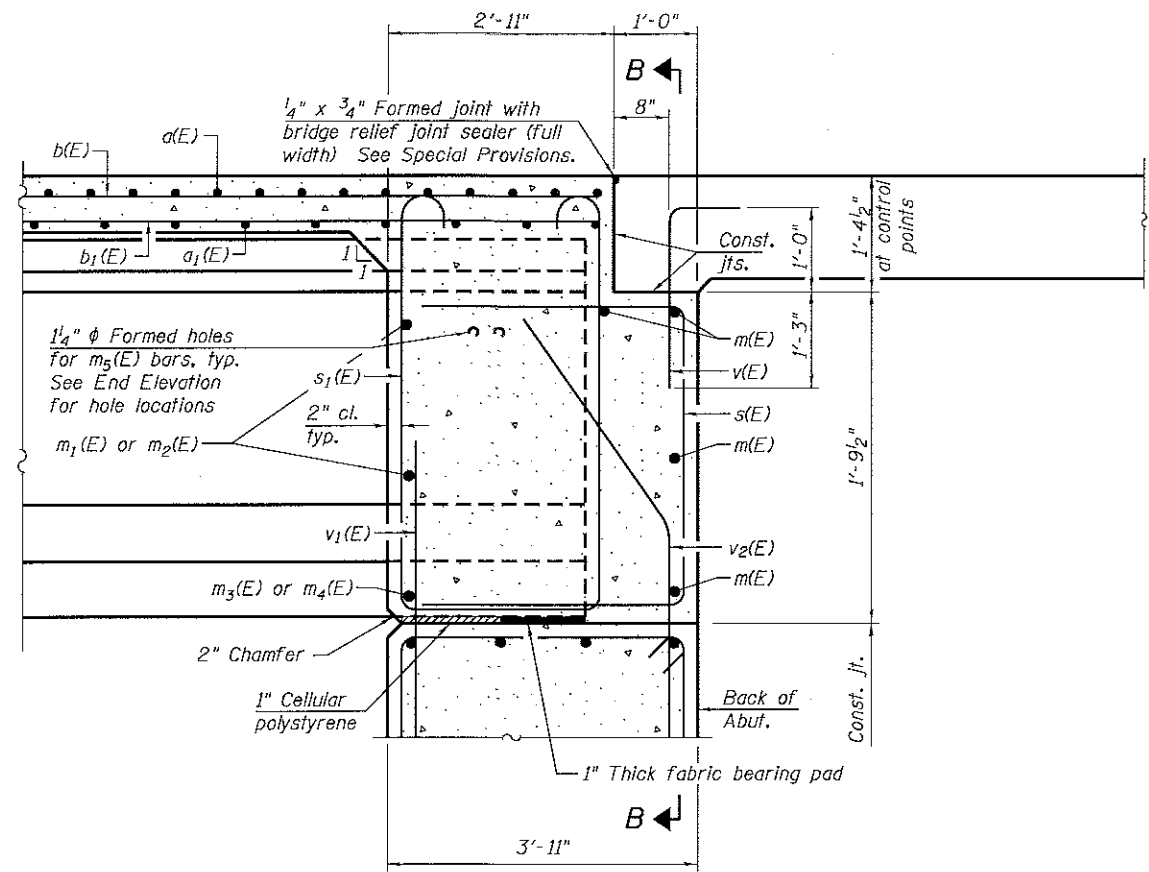


DIAPHRAGM ELEVATION AT ABUTMENT

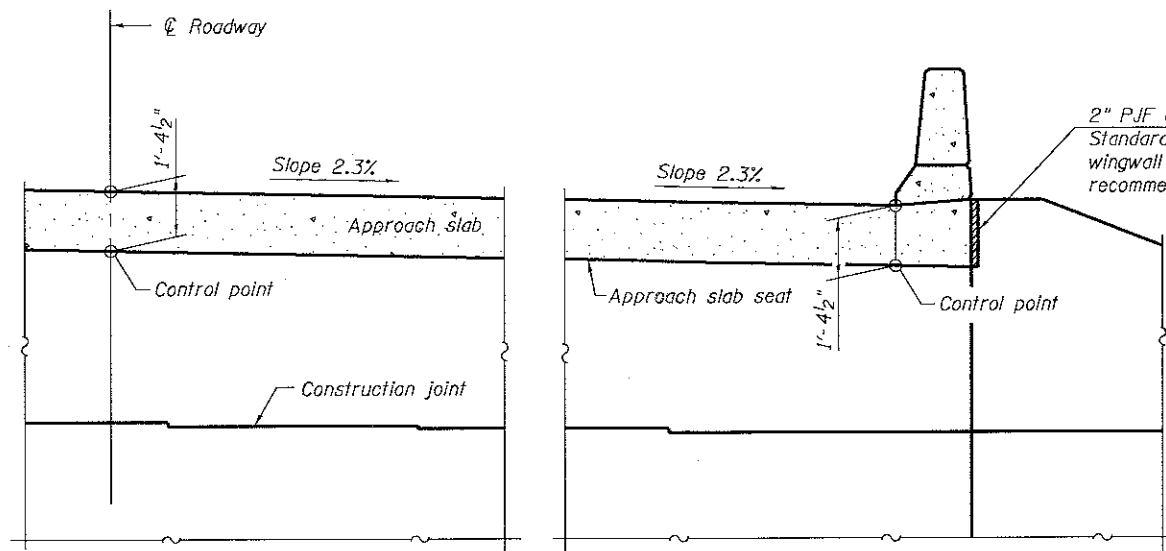
MINIMUM BAR LAP
#6 Bar = 4'-0"



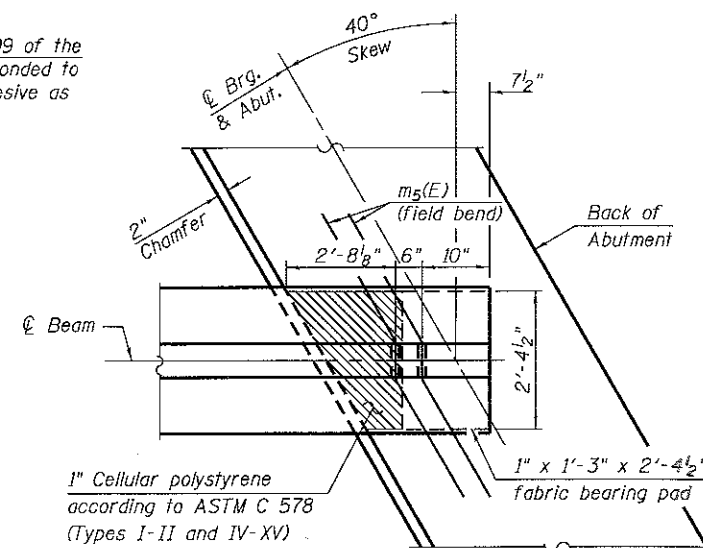
END ELEVATION



SECTION A-A
(at Rt. L's)



SECTION B-B

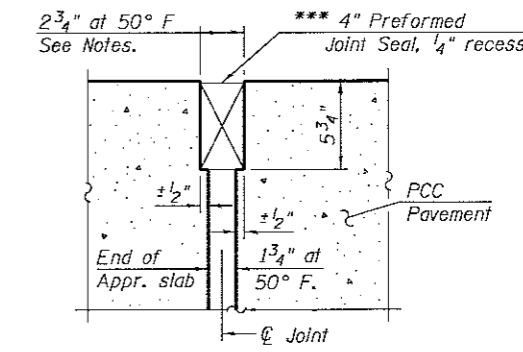
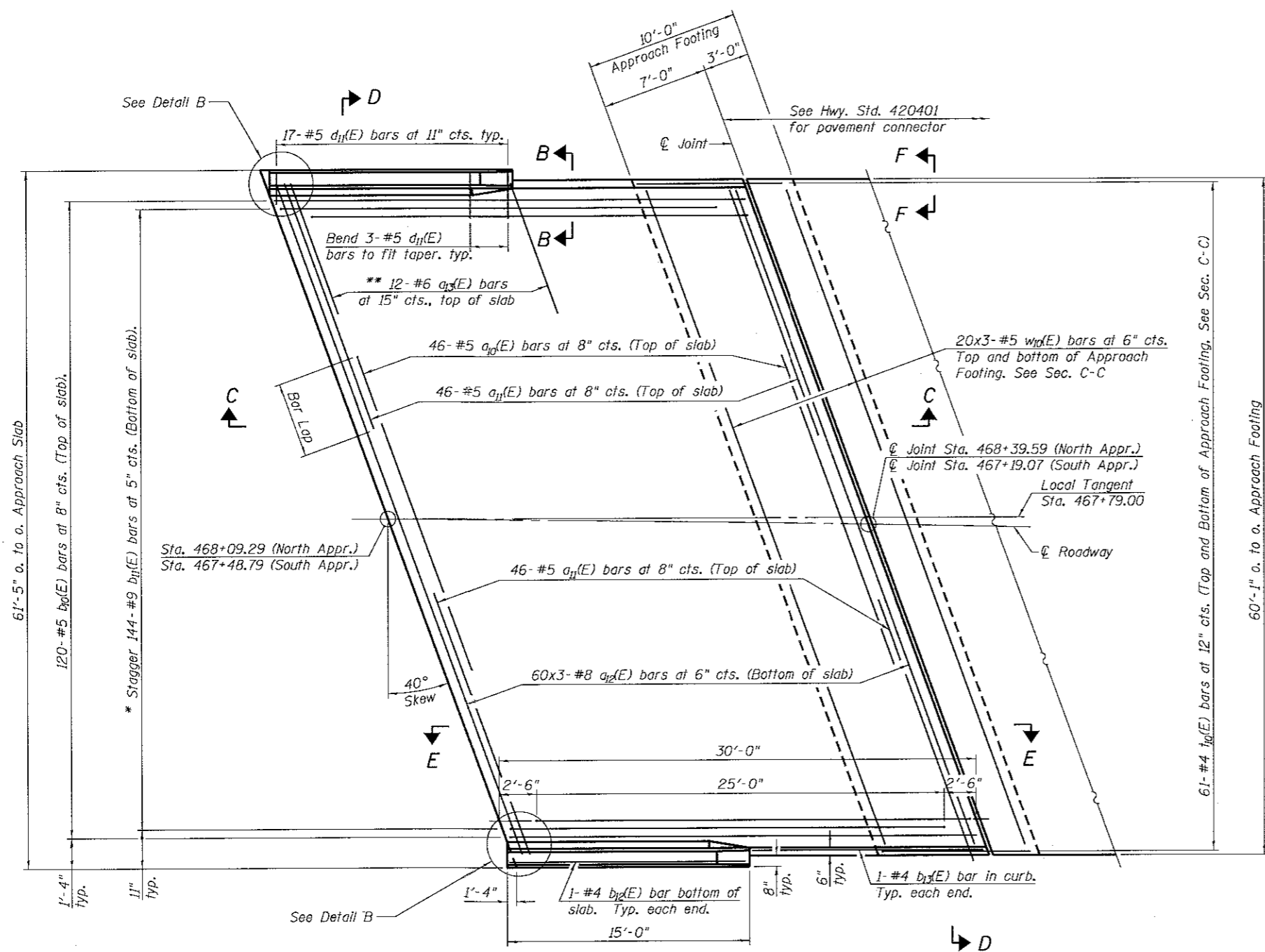


PARTIAL PLAN AT ABUTMENT
(Showing bottom flange of beam)

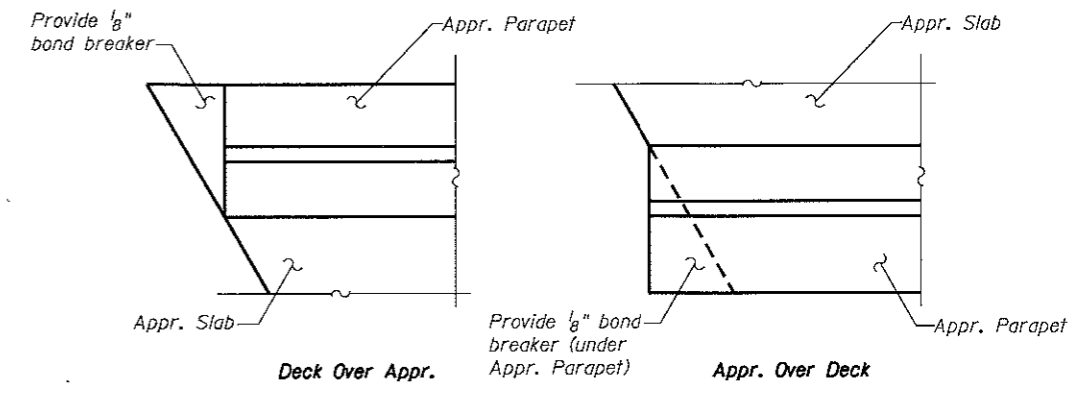
Notes:
Reinforcement bars in diaphragm are billed with superstructure on sheet 7 of 18.
Concrete in diaphragm is included with Concrete Superstructure on sheet 7 of 18.
For details of bars s(E), s1(E) and v(E) see sheet 7 of 18.
The s(E) and s1(E) bars shall be placed parallel to the beams. Spacing for these bars shall be at right angles to the beams.
The approach slab seat shall have a constant slope determined from the control points shown.
Cost of cellular polystyrene is included with Concrete Superstructure.

Notes:
 See Sheet 10 of 18 for Sections C-C & D-D and View E-E.
 $a_{10}(E)$, $a_{11}(E)$, and $a_{12}(E)$ bar spacings measured along C.R.
 The joint opening shall be determined per Article 520.04 except that on jointless structures, the distance described as the bridge length between the nearest fixed bearings each way from the joint shall be taken as half the bridge length plus the approach slab length. The minimum dimension shall be $1\frac{1}{2}$ " for installation purposes.
 Bars indicated thus 1 x 2-#8 etc. indicates 1 line of bars with 2 lengths per line.

*** Cost included with Concrete Superstructure.



RIGID PAVEMENT
 DETAIL A

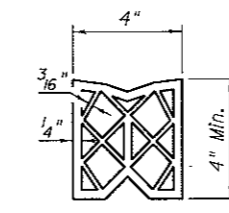


DETAIL B

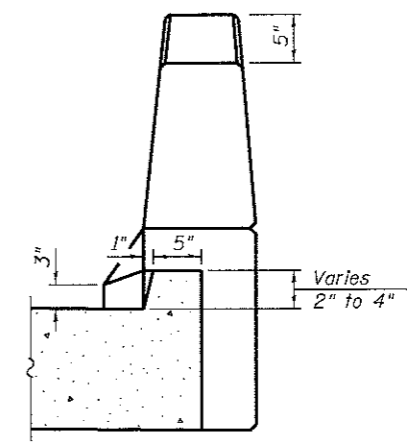
MIN. BAR LAP
 #4 bar = 2'-8"
 #5 bar = 3'-6"

PLAN

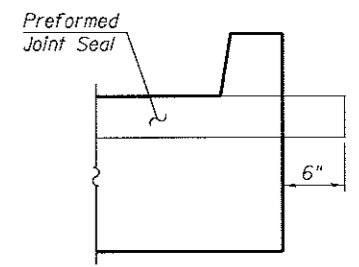
* Tilt #9 $b_{11}(E)$ bars as required to maintain clearance.
 ** Space between $a(E)$ bars, typ. each parapet.



PREFORMED JOINT SEAL



VIEW B-B



VIEW F-F

BA-R

01-29-16



USER NAME = dennisw	DESIGNED - BRL	REVISED -
PLLOT SCALE = 0:1.0000 1" = 10'	DRAWN - BJB	REVISED -
PLLOT DATE = 5/15/2017	CHECKED - AJS	REVISED -
	DATE - 5/15/17	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

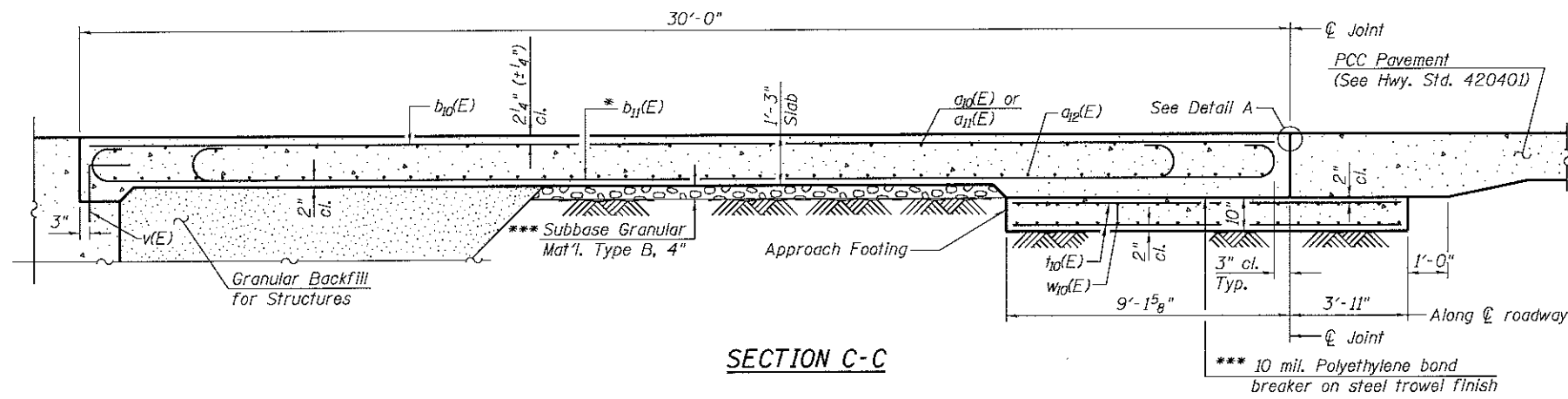
BRIDGE APPROACH SLAB DETAIL (1 OF 2)
 STRUCTURE NO. 047-3174

SCALE: SHEET NO. 9 OF 18 SHEETS STA. TO STA.

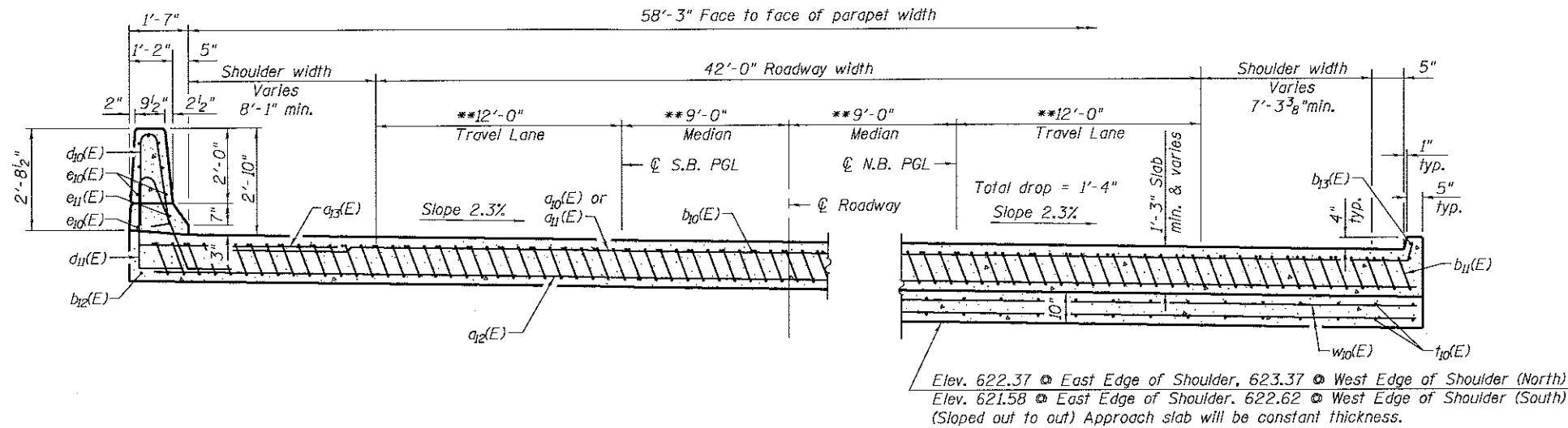
F.A.U. RTE. 4000	SECTION NO. 16-00136-CORP	COUNTY KENDALL	TOTAL SHEETS 237	SHEET NO. 114
CONTRACT NO. 87666			ILLINOIS FED. AID PROJECT	

Notes:

See sheet 9 of 18 for Detail A and View B-B.
 Approach slab and parapet concrete shall be paid for as Concrete Superstructure.
 Approach footing concrete shall be paid for as Concrete Structures.
 Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
 For v(E) bar details, see sheet 7 of 18.
 The approach footing maximum applied service bearing pressure (Q_{max}) = 2.0 ksf.
 Cost of excavation for approach footing included with Concrete Structures.
 For Granular Backfill for Structures and drainage treatment details, see sheet 2 of 18.
 For additional parapet details, see sheet 7 of 18.



SECTION C-C



NEAR ABUTMENT

SECTION D-D

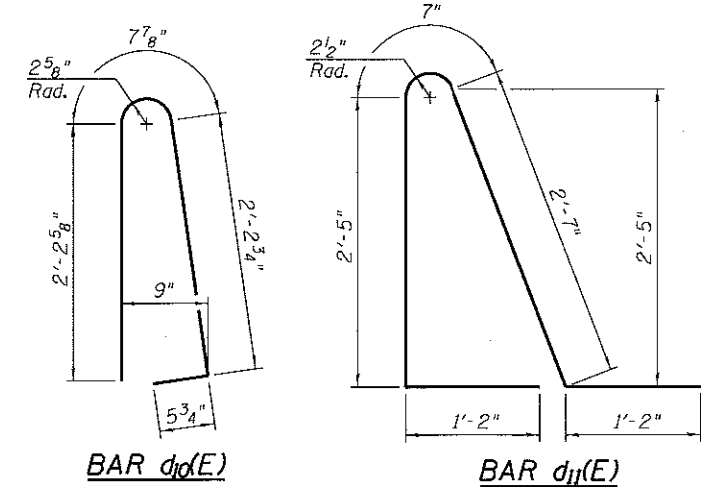
(See Plan for dimensions not shown)

AT APPROACH FOOTING

* Till #9 b11(E) bars as required to maintain clearance.

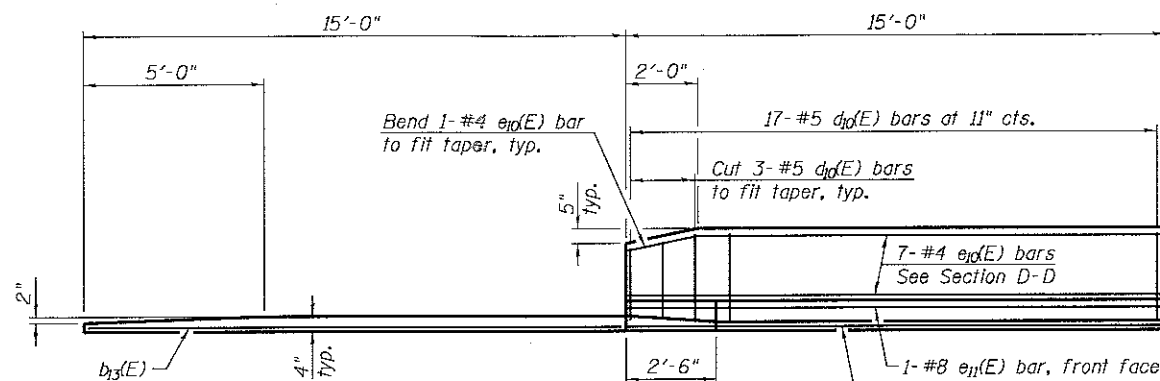
** Radial Dimension.

*** Cost included with Concrete Superstructure.



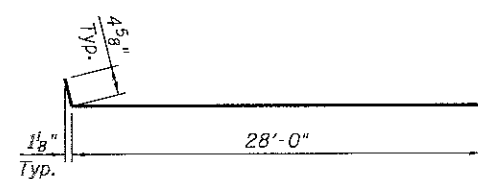
BAR d10(E)

BAR d11(E)

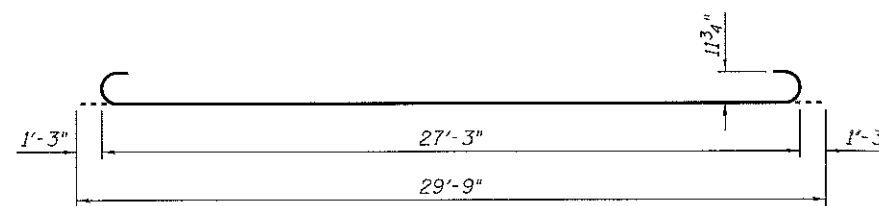


VIEW E-E

Aluminum sheeted joint in base of parapet. See sheet 7 of 18 for details.



BAR a11(E)



BAR b11(E)

TWO APPROACHES
 BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)	92	#5	28'-4"	—
a11(E)	184	#5	28'-9"	—
a12(E)	360	#8	30'-7"	—
a13(E)	48	#6	6'-6"	—
b10(E)	120	#5	29'-8"	—
b11(E)	286	#9	29'-9"	—
b12(E)	4	#4	14'-8"	—
b13(E)	4	#4	15'-5"	—
d10(E)	68	#5	5'-7"	U
d11(E)	68	#5	7'-11"	U
e10(E)	32	#4	14'-8"	—
e11(E)	4	#8	14'-8"	—
t10(E)	244	#4	12'-7"	—
w10(E)	240	#5	28'-6"	—
Concrete Superstructure		Cu. Yd.	180	
Concrete Structures		Cu. Yd.	50	
Reinforcement Bars, Epoxy Coated		Pound	72,260	
Reinforcement Bars, Epoxy Coated		Pound	9,200	

**** Included in Superstructure Quantity on Sheet 2 of 18
 ***** Included in Substructure Quantity on Sheet 2 of 18

BA-R 01-29-16

SA STRAND ASSOCIATES
 1110 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

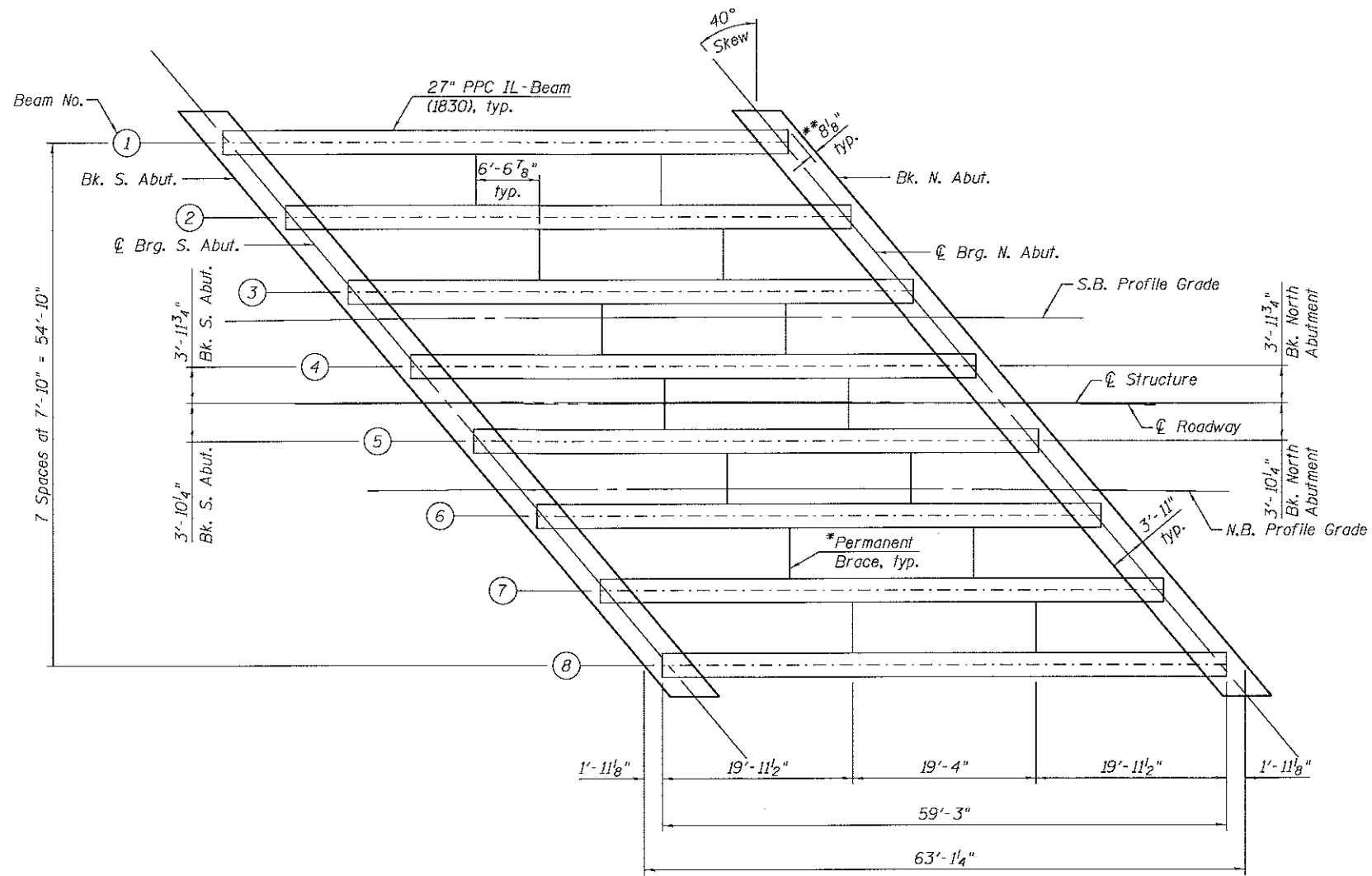
USER NAME = dennisw	DESIGNED - BRL	REVISED -
PLOT SCALE = 0:1.0000" = 1'-0"	DRAWN - B.J.F.	REVISED -
PLOT DATE = 5/15/2017	CHECKED - A.J.S.	REVISED -
	DATE - 5/15/17	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

BRIDGE APPROACH SLAB DETAILS (2 OF 2)
 STRUCTURE NO. 047-3174

SCALE: SHEET NO. 10 OF 18 SHEETS STA. TO STA.

F.A.U. RTE. 4000	SECTION NO. 16-00136-00RP	COUNTY KENDALL	TOTAL SHEETS 237	SHEET NO. 115
CONTRACT NO. 87666			FED. ROAD DIST. NO. 3 [ILLINOIS] FED. AID PROJECT	



FRAMING PLAN

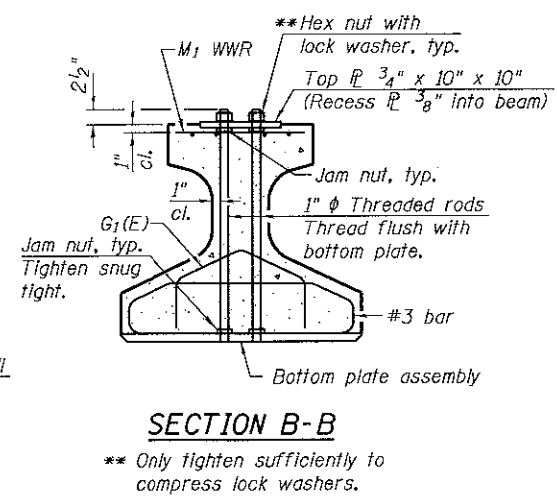
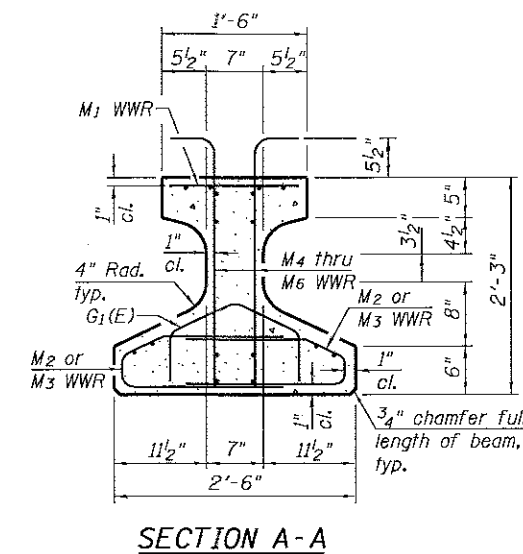
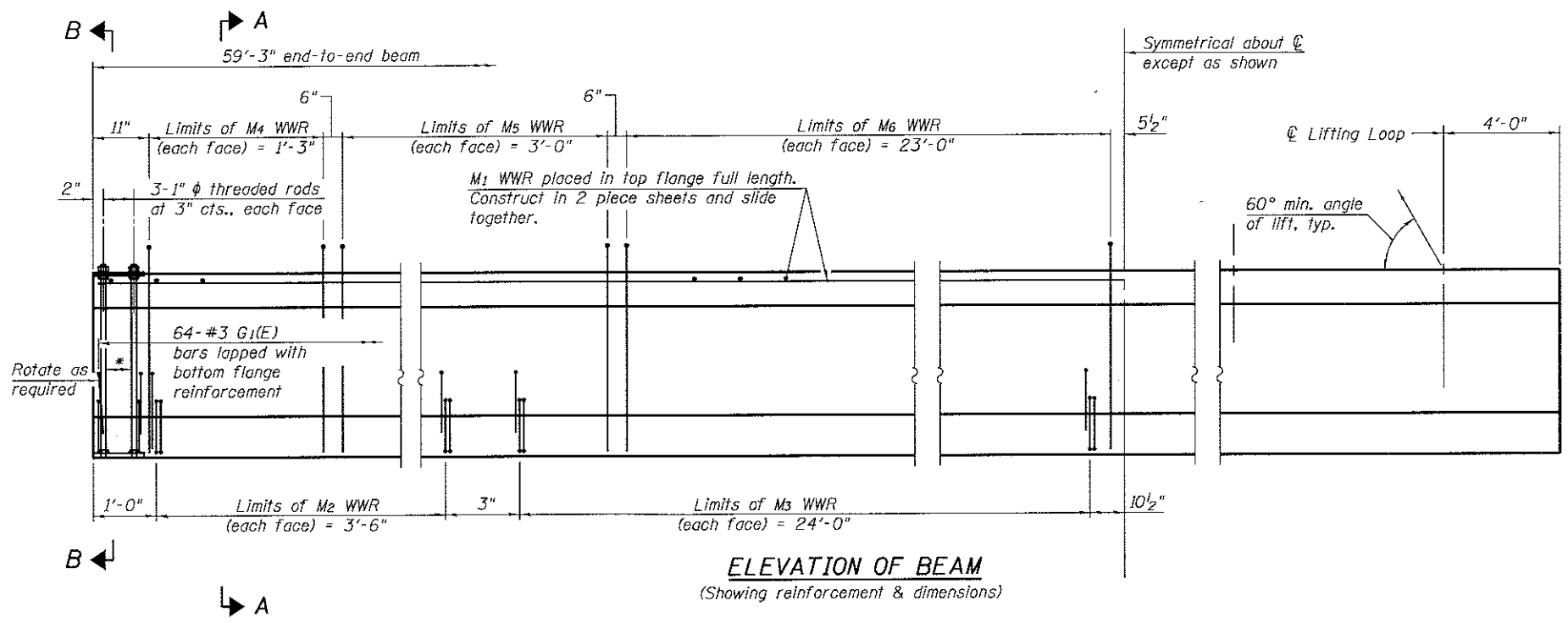
*Cost included in Furnishing and Erecting Precast Prestressed Concrete Beams, 1L27N. See Sheet 13 of 18 for Details.
 **Dimension is in reference to the bottom flange.

INTERIOR GIRDER MOMENT TABLE		
0.5 Sp.		
I	(in ⁴)	33,879
I'	(in ⁴)	132,984
S _b	(in ³)	3,060.4
S _b '	(in ³)	6,148.6
S _t	(in ³)	2,126.7
S _t '	(in ³)	24,756.0
DC1	(k/ft)	1.31
M _{DC1}	(k)	549
DC2	(k/ft)	0.31
M _{DC2}	(k)	131
DW	(k/ft)	0.36
M _{DW}	(k)	153
LLDF		0.664
M _{L + IM}	(k)	854

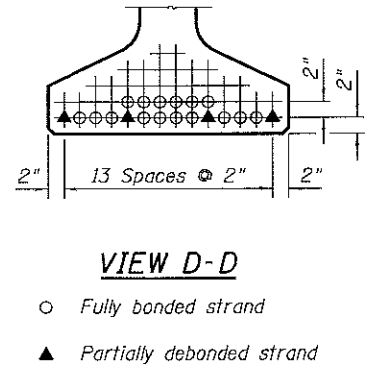
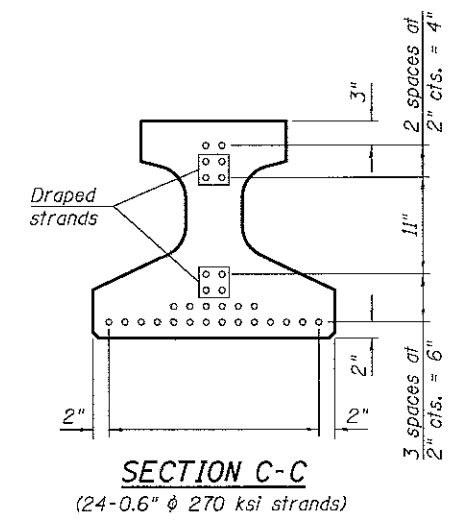
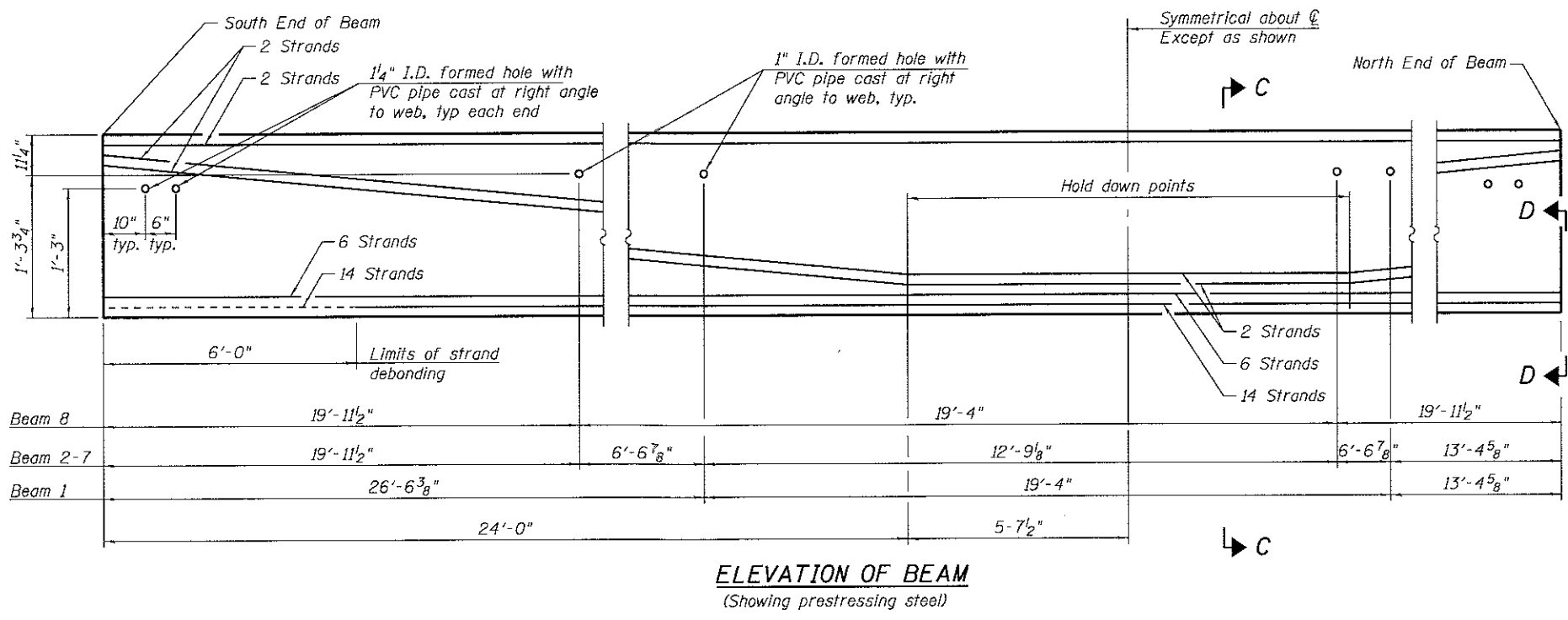
	Abut.	
	Interior	Exterior
LLDF	.813	.817
OCF		1.17
R _{DC1} (k)	37.7	37.7
R _{DC2} (k)	9.0	9.0
R _{DW} (k)	10.6	10.6
** R _L (k)	63.4	64.5
** R _{IM} (k)	16.0	16.3
** R _{Total} (k)	136.7	138.1

**Includes LLDF

- I: Non-composite moment of inertia of beam section (in⁴).
- I': Composite moment of inertia of beam section (in⁴).
- S_b: Non-composite section modulus for the bottom fiber of the prestressed beam (in³).
- S_b': Composite section modulus for the bottom fiber of the prestressed beam (in³).
- S_t: Non-composite section modulus for the top fiber of the prestressed beam (in³).
- S_t': Composite section modulus for the top fiber of the prestressed beam (in³).
- DC1: Un-factored non-composite dead load (kips/ft.).
- M_{DC1}: Un-factored moment due to non-composite dead load (kip-ft.).
- DC2: Un-factored long-term composite (superimposed excluding future wearing surface) dead load (kips/ft.).
- M_{DC2}: Un-factored moment due to long-term composite (superimposed excluding future wearing surface) dead load (kip-ft.).
- DW: Un-factored long-term composite (superimposed future wearing surface only) dead load (kips/ft.).
- M_{DW}: Un-factored moment due to long-term composite (superimposed future wearing surface only) dead load (kip-ft.).
- M_{L + IM}: Un-factored live load moment plus dynamic load allowance (impact) (kip-ft.).
- LLDF: Live Load Distribution Factor
- OCF: Obtuse Correction Factor
- R_{DC1}: Un-factored Reaction Composite Dead Load
- R_{DC2}: Un-factored Reaction Non-Composite Dead Load
- R_{DW}: Un-factored Reaction Future Wearing Surface
- R_L: Un-factored Reaction Live Load
- R_{IM}: Un-factored Reaction Dynamic Live Load Allowance
- R_{Total}: Un-factored Total Reaction



* 4-3/4" ϕ threaded dowel rods at 3" cts., Each Face



Notes:
See sheet 13 of 18 for additional details and Bill of Material.
Required release strength, f'_{ci} , shall be 7,000 psi.
 $f'_{ci} = 8,500$ psi

IL27-1830

1-28-16



USER NAME = dennisw	DESIGNED - BRL	REVISED -
PLOT SCALE = 0.1/0.000 1' / 1"	DRAWN - BJF	REVISED -
PLOT DATE = 5/15/2017	CHECKED - AJS	REVISED -
	DATE - 5/15/17	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

27" PRESTRESSED I-L-BEAM (1 OF 2)
STRUCTURE NO. 047-3174

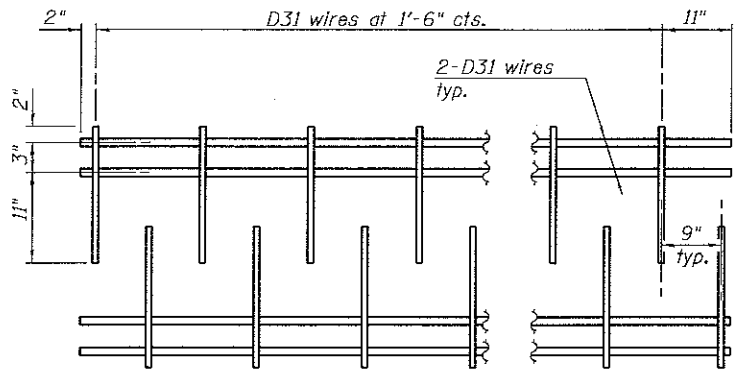
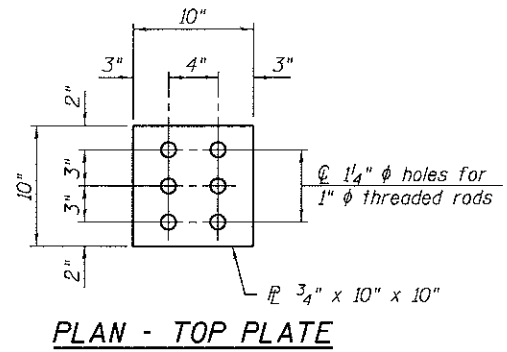
SCALE:	SHEET NO. 12 OF 18	SHEETS	STA.	TO STA.
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F.A.U. RTE. 4000	SECTION NO. 16-00136-00RP	COUNTY KENDALL	TOTAL SHEETS 237	SHEET NO. 117
CONTRACT NO. 87666				
FED. ROAD DIST. NO. 3 [ILLINOIS] FED. AID PROJECT				

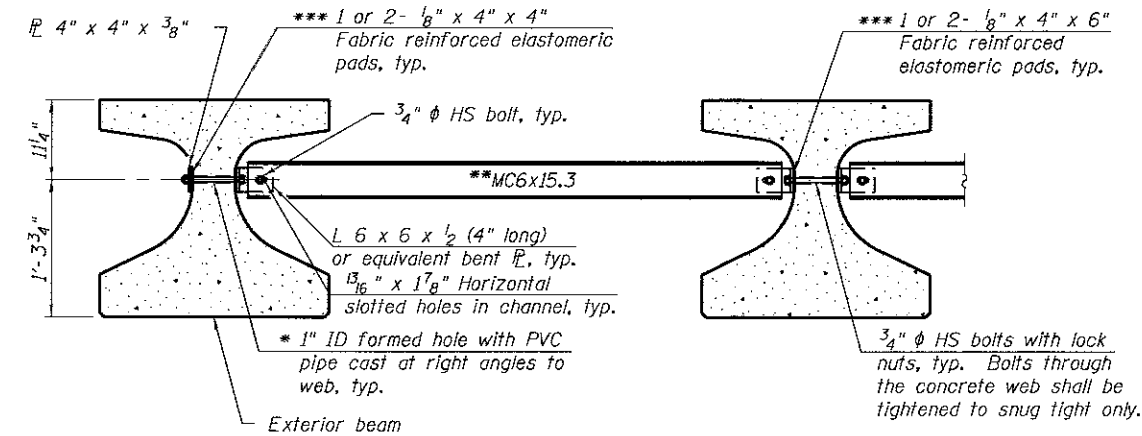
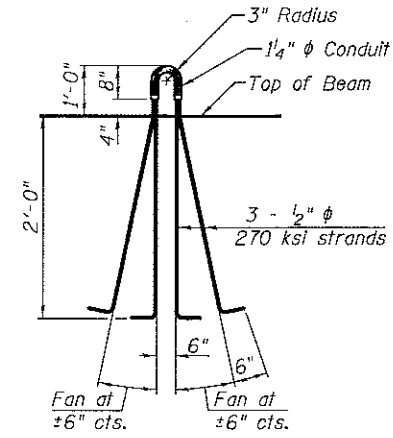
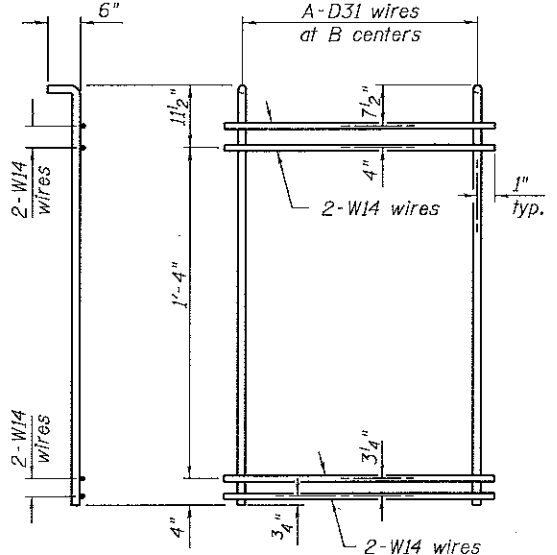
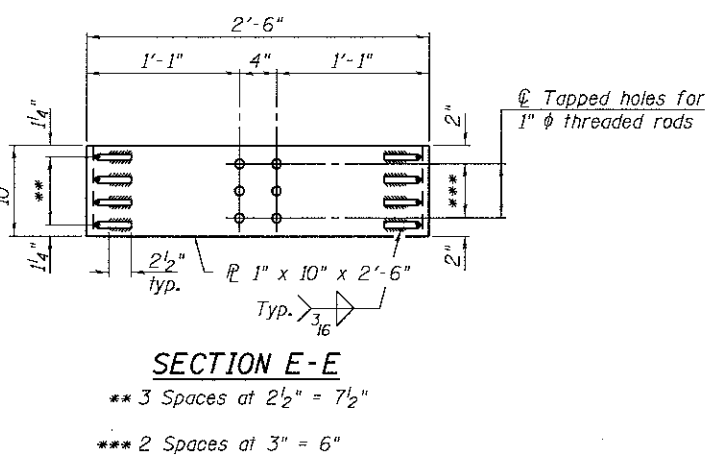
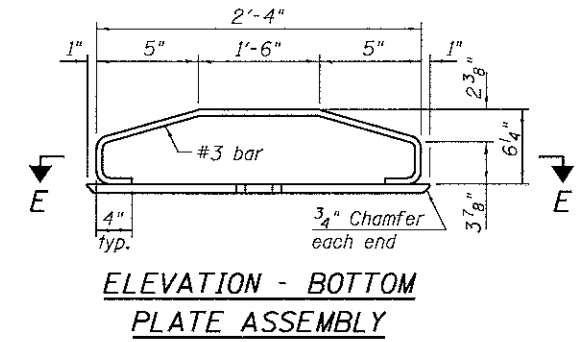
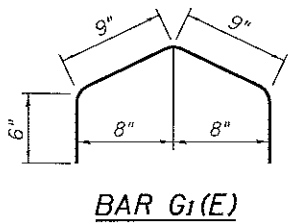
Note:
See Sheet 13 of 18 for additional details and Bill of Material.

NOTES

Inserts for 3/4" ϕ threaded dowel rods, when specified, are to be two strut, ferrule type for interior beams and single ferrule, flared loop type for exterior beams. Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter for beam strands shall be 0.6" and the nominal cross-sectional area shall be 0.217 sq. in. The nominal diameter for lifting loops shall be 1/2" and the nominal cross sectional area shall be 0.153 sq. in. The beams shall have a final concrete compressive strength, $f'c$, of 8500 psi and a release concrete compressive strength, $f'ci$, of 7000 psi. A minimum 2 1/2" ϕ lifting pin shall be used to engage the lifting loops during handling. Bend the extended strands inward on the fascia beams to maintain 1 1/2" clearance inside the pier diaphragm. The top and bottom plates shall be AASHTO M270 Grade 50. The top plates and bottom plate assemblies shall be galvanized according to AASHTO M111. The threaded rods, nuts and washers shall be galvanized according to AASHTO M232. Threaded rods shall be ASTM F 1554 Grade 55. Beams shall not be released from the fabricator until they have attained 45 days of age or older. Welded Wire Reinforcement (WWR) shall conform to ASTM A884 with a Class A, Type 1 epoxy coating.



When multiple sheets of M1 WWR are required along the beam length, #5(E) bars (4'-6" long) shall be used to splice the longitudinal D31 wires together.



Notes:
 All material for bracing shall be hot dip galvanized according to AASHTO M111 unless otherwise noted. Two hardened washers are required for each set of oversized holes. All holes shall be 15/16" ϕ unless otherwise noted. 5/16" x 3" x 3" plate washers are required over all slotted holes. All bolts shall be galvanized according to AASHTO M232. Bracing shall be installed as beams are erected and tightened as soon as possible during erection. Permanent bracing shall not be paid for separately, but shall be included in the cost of Furnishing and Erecting Precast Prestressed Concrete Beams.

* Fabricator shall locate to miss strands within permissible tolerances.
 ** Alternate MC6x18 channels are permitted to facilitate material acquisition.
 *** Place pads as necessary to provide a flat mounting surface between the steel and concrete.

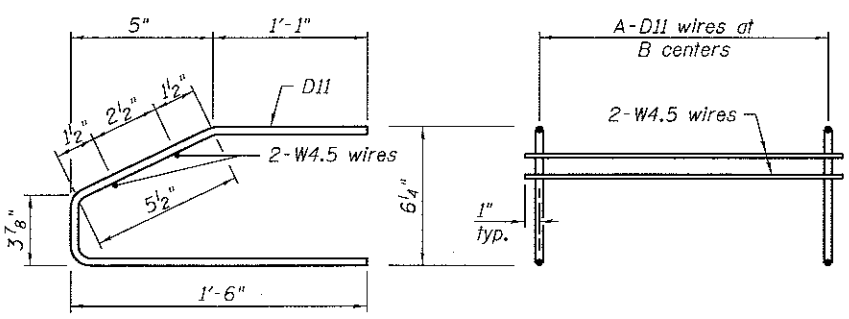
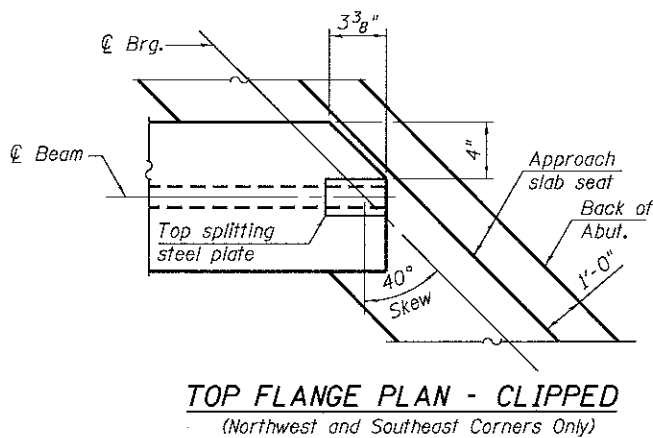


TABLE OF DIMENSIONS

WWR	A	B
M2	15	3"
M3	-	1'-6"
M4	6	3"
M5	-	6"
M6	-	1'-0"

BILL OF MATERIAL

Item	Unit	Total
Furnishing and Erecting Precast Prestressed Concrete Beams, IL27N	Ft.	474

IL27-1830D

1-28-16

SA STRAND ASSOCIATES
 1170 SOUTH HARBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

USER NAME = dennisw
 DESIGNED - BRL
 DRAWN - BJF
 CHECKED - AJS
 DATE - 5/15/17

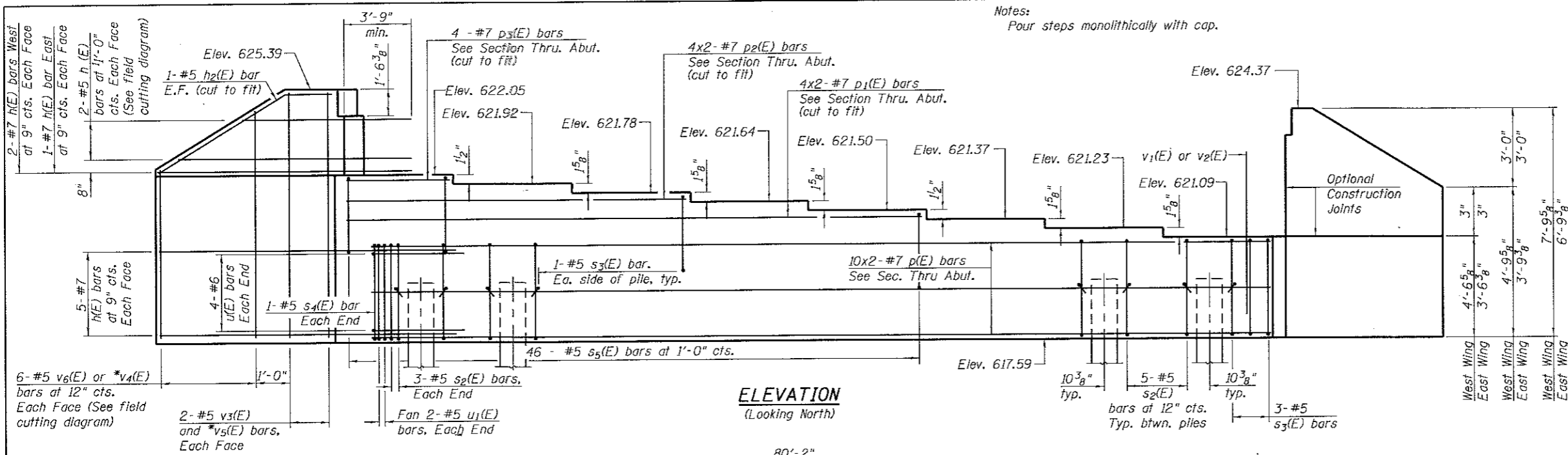
REVISOR -
 REVISION -
 REVISION -
 REVISION -

KENDALL COUNTY HIGHWAY DEPARTMENT

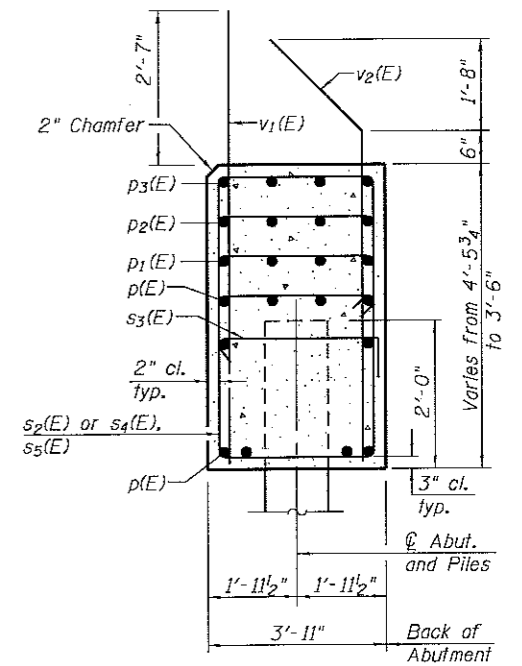
27" PRESTRESSED IL-BEAM (2 OF 2)
STRUCTURE NO. 047-3174
 SCALE: SHEET NO. 13 OF 18 SHEETS STA. TO STA.

F.A.U. RTE. 4000 SECTION NO. 16-00136-00RP COUNTY KENDALL TOTAL SHEETS 237 SHEET NO. 118 CONTRACT NO. 87666
 FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT

Notes:
Pour steps monolithically with cap.



ELEVATION
(Looking North)



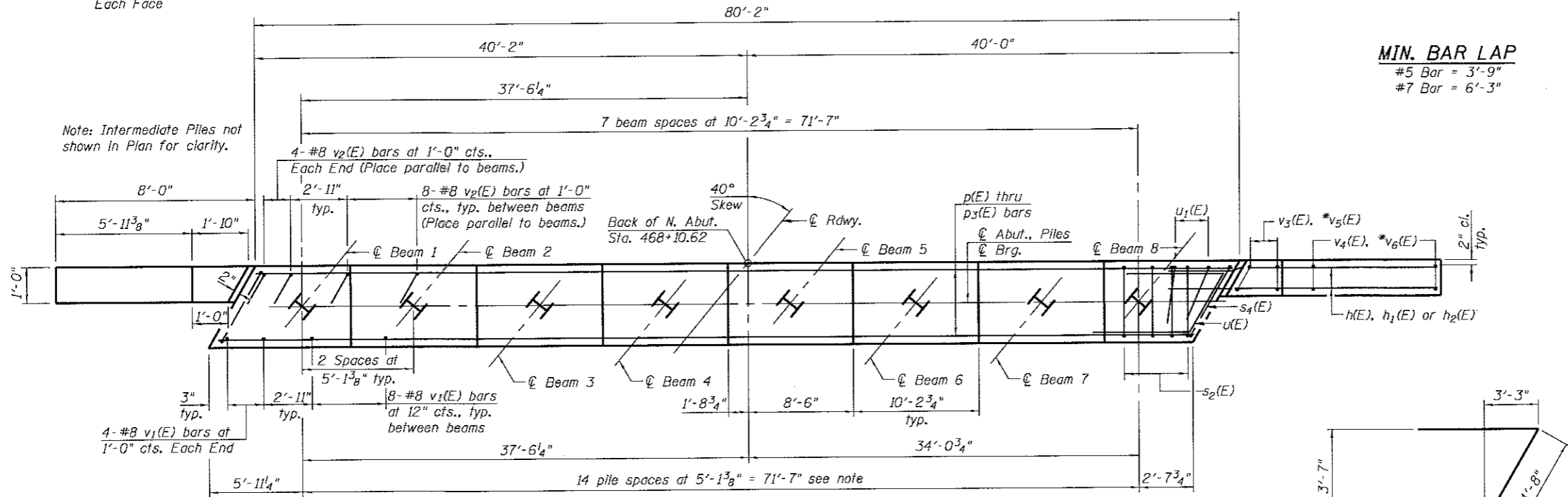
SEC. THRU ABUT.
Dimensions at right angles to abutment.

MIN. BAR LAP
#5 Bar = 3'-9"
#7 Bar = 6'-3"

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	26	#7	14'-3"	
h1(E)	4	#5	19'-0"	
h2(E)	4	#5	8'-2"	
p(E)	20	#7	43'-0"	
p1(E)	8	#7	32'-1"	
p2(E)	8	#7	21'-10"	
p3(E)	4	#7	10'-8"	
s2(E)	76	#5	14'-5"	
s3(E)	30	#5	4'-7"	
s4(E)	2	#5	16'-7"	
s5(E)	46	#5	6'-4"	
u(E)	8	#6	12'-4"	
u1(E)	4	#5	9'-2"	
v1(E)	64	#8	5'-11"	
v2(E)	64	#8	6'-2"	
v3(E)	4	#5	6'-5"	
v4(E)	7	#5	9'-11"	
v5(E)	4	#5	7'-5"	
v6(E)	7	#5	12'-0"	
Structure Excavation		Cu. Yd.	113	
Concrete Structures		Cu. Yd.	50	
Reinforcement Bars, Epoxy Coated		Pound	7,700	
Furnishing Steel Piles HP12x53		Foot	469	
Driving Piles		Foot	469	
Test Pile Steel HP12x53		Each	1	
Pile Shoes		Each	15	

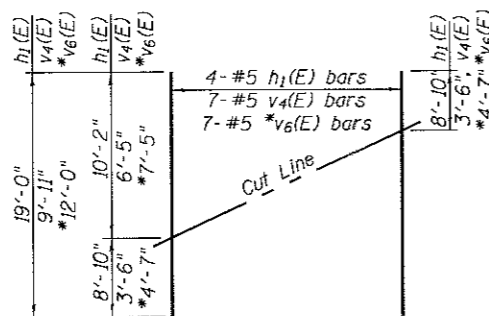
For details of piles see Sheet 16 of 18.
Bars indicated thus 10x2-#5 etc. indicates 10 lines of bars with 2 lengths per line.
* Designates West Wingwall Reinforcement



PLAN

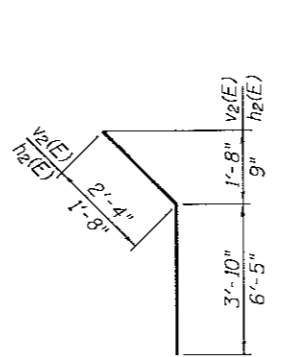
PILE DATA

Type: HP 12x53 (with pile shoes)
Nominal Required Bearing: 300 kips
Factored Resistance Available: 165 kips
Est. Length: 33.5 feet
No. Production Piles: 14
No. Test Piles: 1

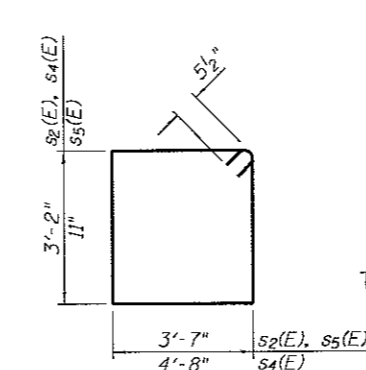


FIELD CUTTING DIAGRAM

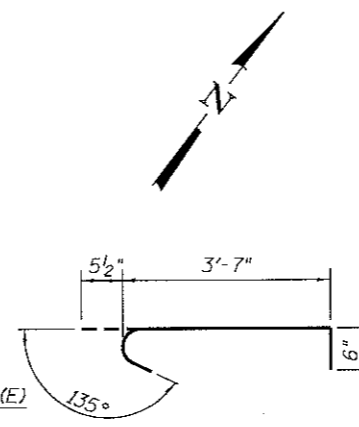
Order h1(E), v4(E) and v6(E) full length. Cut as shown and use remainder of bars in opposite face.



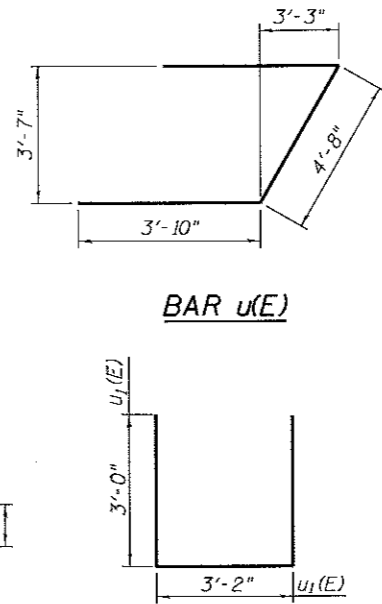
BAR v2(E) & h2(E)



BAR s2(E), s4(E) & s5(E)



BAR s3(E)



BAR u1(E)

AI-2440-R

8-31-12

STRAND ASSOCIATES®
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = dennisw
DESIGNED - BRL
DRAWN - BJF
CHECKED - AJS
DATE - 5/15/17

REVISED -
REVISED -
REVISED -
REVISED -

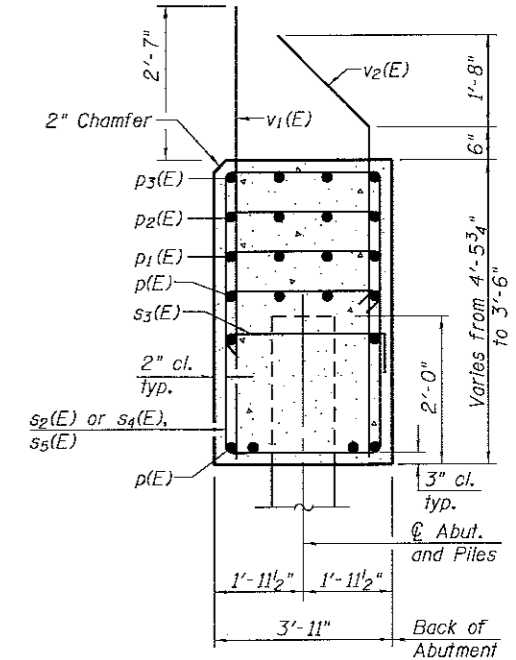
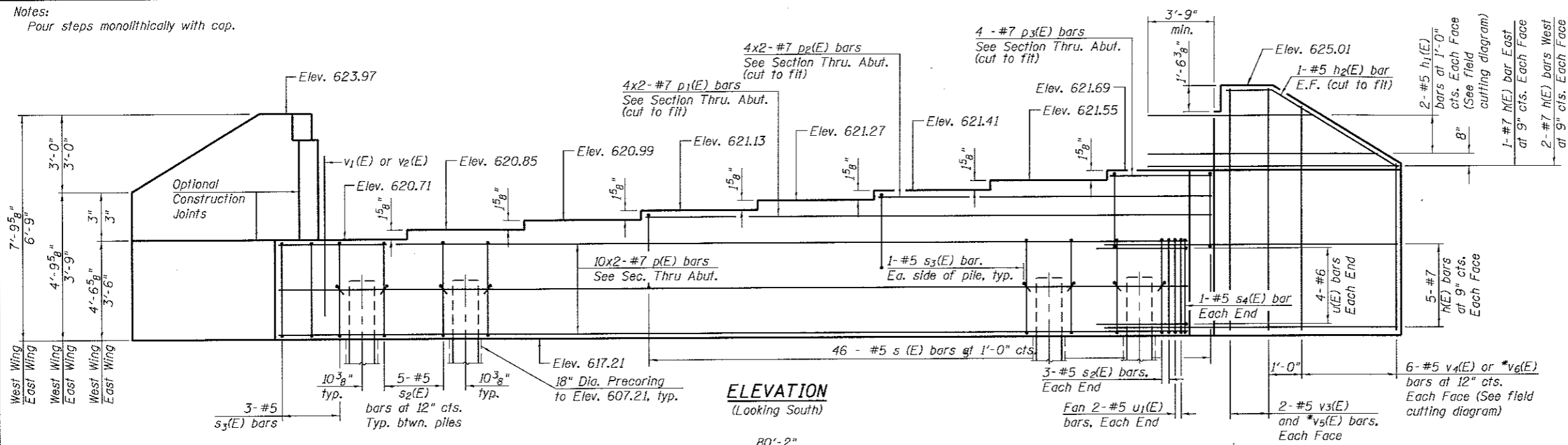
KENDALL COUNTY HIGHWAY DEPARTMENT

NORTH ABUTMENT DETAILS
STRUCTURE NO. 047-3174

SCALE: SHEET NO. 14 OF 18 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00RP	KENDALL	237	119
CONTRACT NO. 87666				
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT				

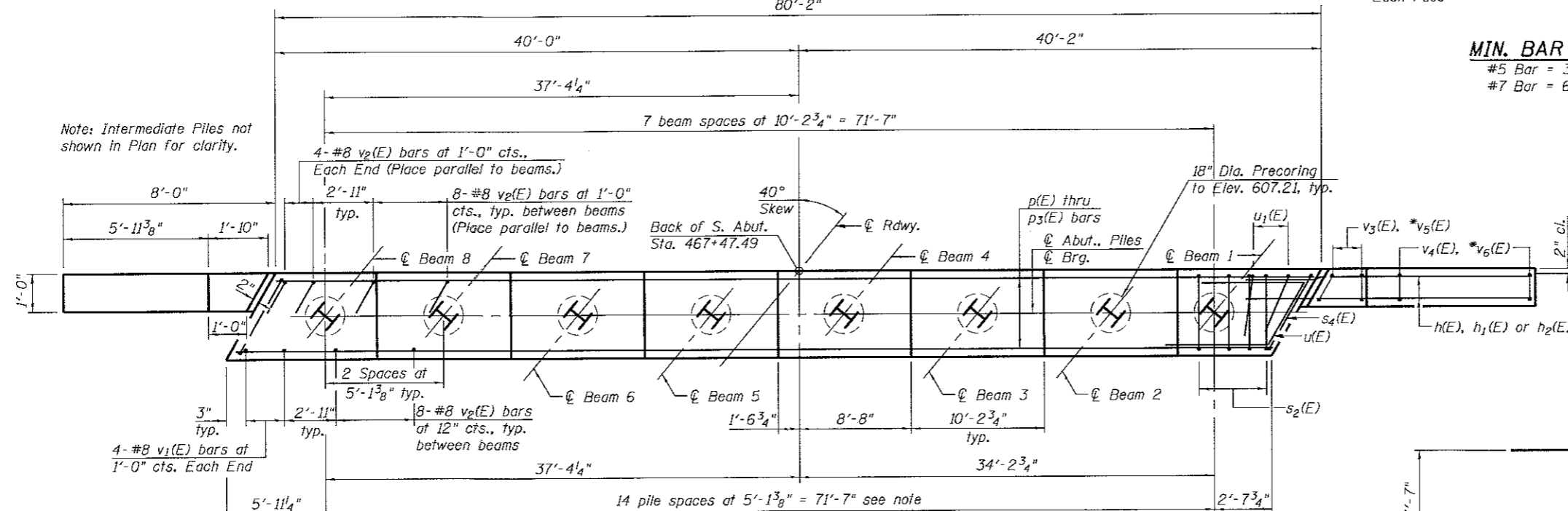
Notes:
Four steps monolithically with cap.



SEC. THRU ABUT.
Dimensions at right angles to abutment.

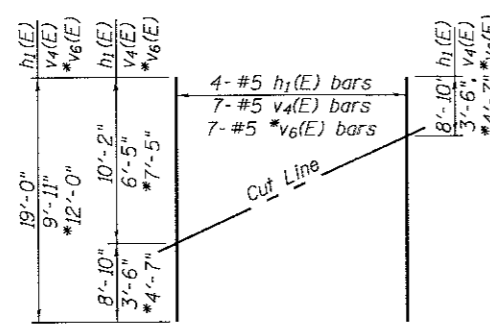
MIN. BAR LAP
#5 Bar = 3'-9"
#7 Bar = 6'-3"

Note: Intermediate Piles not shown in Plan for clarity.



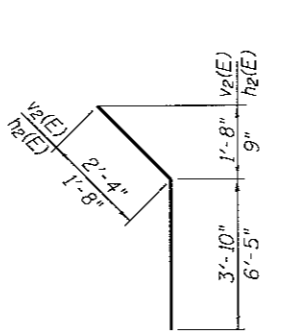
PLAN

PILE DATA
Type: HP 12x53 (with pile shoes)
Nominal Required Bearing: 300 kips
Factored Resistance Available: 165 kips
Est. Length: 28 feet
No. Production Piles: 14
No. Test Piles: 1
Precoring: Top 10'-0\"/>

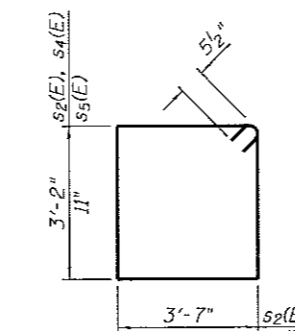


FIELD CUTTING DIAGRAM

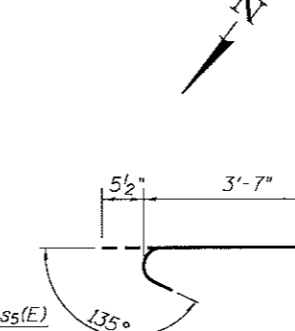
Order h1(E), v4(E) and *v6(E) full length. Cut as shown and use remainder of bars in opposite face.



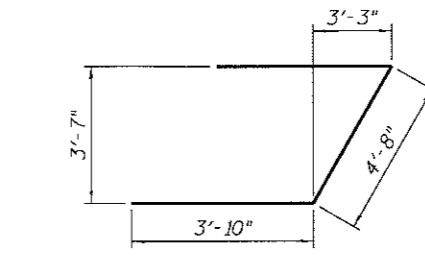
BAR v2(E) & h2(E)



BAR s2(E), s4(E) & s5(E)



BAR s3(E)



BAR u1(E)

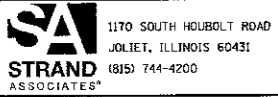
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	26	#7	14'-3"	—
h1(E)	4	#5	19'-0"	—
h2(E)	4	#5	8'-2"	—
p(E)	20	#7	43'-0"	—
p1(E)	8	#7	32'-1"	—
p2(E)	8	#7	21'-10"	—
p3(E)	4	#7	10'-8"	—
s2(E)	76	#5	14'-5"	□
s3(E)	30	#5	4'-7"	□
s4(E)	2	#5	16'-7"	□
s5(E)	46	#5	6'-4"	□
u(E)	8	#6	12'-4"	—
u1(E)	4	#5	9'-2"	—
v1(E)	64	#8	5'-11"	—
v2(E)	64	#8	6'-2"	—
v3(E)	4	#5	6'-5"	—
v4(E)	7	#5	9'-11"	—
*v5(E)	4	#5	7'-5"	—
*v6(E)	7	#5	12'-0"	—
Structure Excavation			Cu. Yd.	113
Concrete Structures			Cu. Yd.	50
Reinforcement Bars, Epoxy Coated			Pound	7,700
Furnishing Steel Piles HP12x53			Foot	392
Driving Piles			Foot	392
Test Pile Steel HP12x53			Each	1
Pile Shoes			Each	15
Precoring			Foot	150

For details of piles see Sheet 16 of 18.
Bars indicated thus 10x2-#5 etc. indicates 10 lines of bars with 2 lengths per line.
* Designates West Wingwall Reinforcement

AI-2440-R

8-31-12



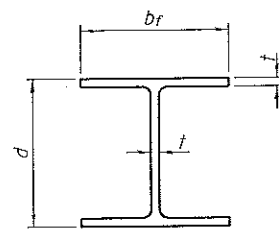
USER NAME = danisaw	DESIGNED - BRL	REVISED -
PLOT SCALE = 0.1:0.000 ± / 1in.	DRAWN - BJF	REVISED -
PLOT DATE = 5/15/2017	CHECKED - AJJ	REVISED -
	DATE - 5/15/17	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

SOUTH ABUTMENT DETAILS
STRUCTURE NO. 047-3174

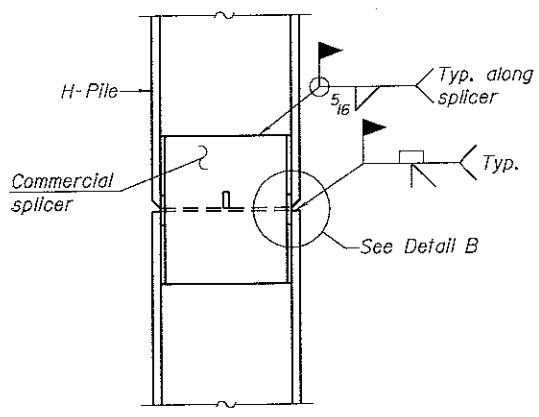
SCALE: SHEET NO. 15 OF 18 SHEETS STA. TO STA.

F.A.U. RTE. 4000	SECTION NO. 16-00136-00RP	COUNTY KENDALL	TOTAL SHEETS 237	SHEET NO. 120
CONTRACT NO. 87666			FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT	

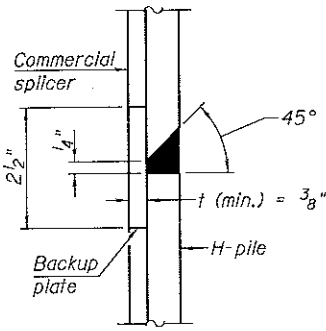


STEEL PILE TABLE

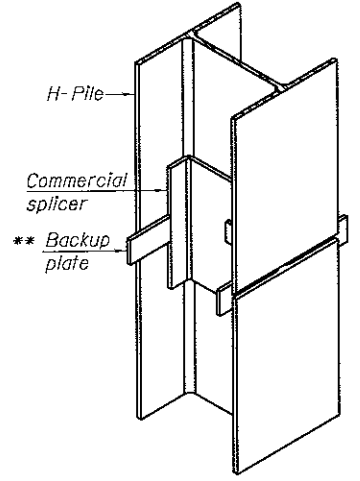
Designation	Depth d	Flange width bf	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	13/16"	30"
x102	14"	14 3/4"	1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"
x53	11 3/4"	12"	7/16"	24"
HP 10x57	10"	10 1/4"	9/16"	24"
x42	9 3/4"	10 1/8"	7/16"	24"
HP 8x36	8"	8 1/8"	7/16"	18"



ELEVATION

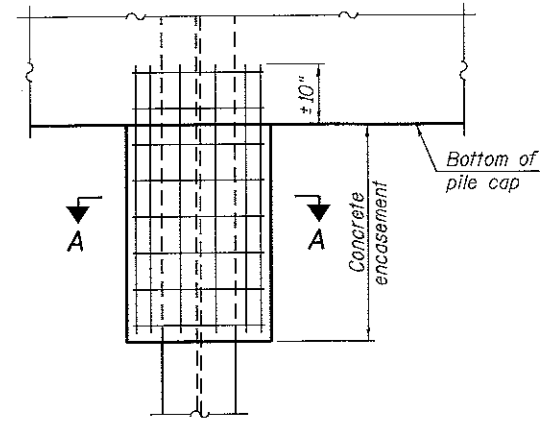


DETAIL "B"



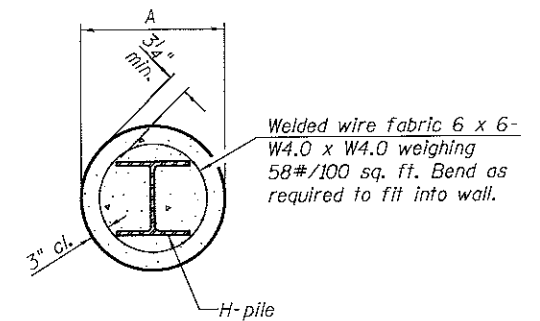
ISOMETRIC VIEW

WELDED COMMERCIAL SPLICE



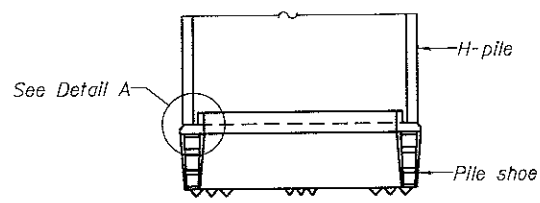
ELEVATION

PILE ENCASEMENT

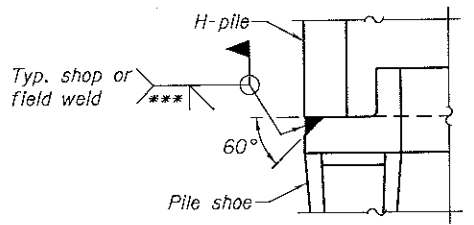


SECTION A-A

Note: Forms for encasement may be omitted when soil conditions permit.

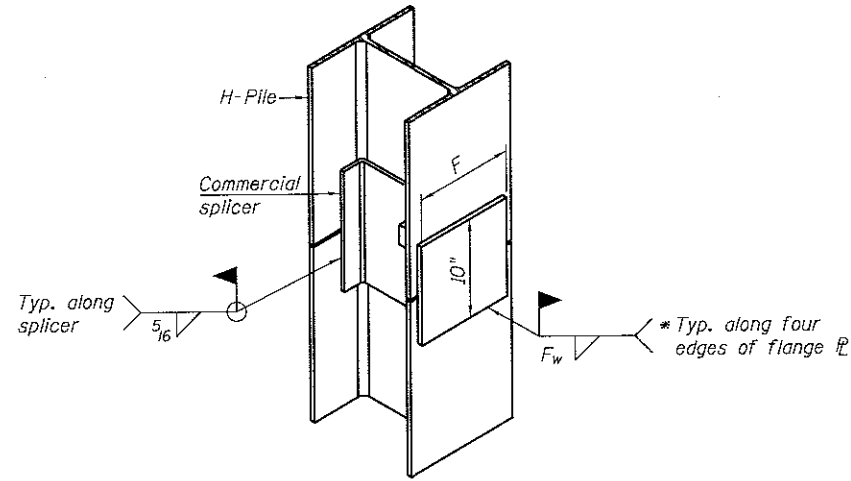


ELEVATION



DETAIL A

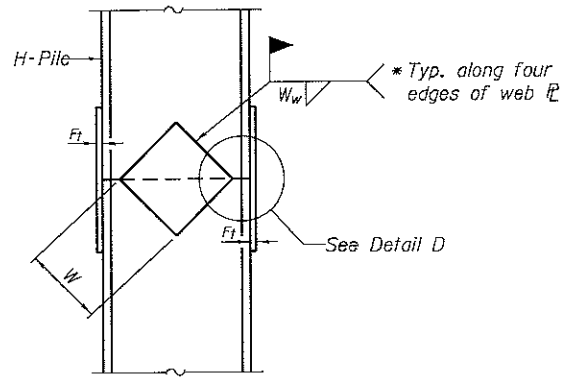
H-PILE SHOE ATTACHMENT



ISOMETRIC VIEW

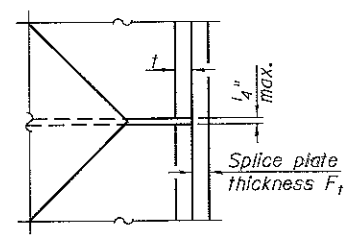
WELDED COMMERCIAL SPLICE ALTERNATE

- * Interrupt welds 1/4" from end of web and/or each flange.
- ** Remove portions of backup plates that extend outside the flanges.
- *** Weld size per pile shoe manufacturer (5/16" min.).



ELEVATION

WELDED PLATE FIELD SPLICE



DETAIL D

Designation	F	Ft	Fw	W	Wt	Ww
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5 1/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5 1/8"	1/2"
x89	12 1/2"	3/4"	1/16"	7 3/4"	5 1/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5 1/8"	1/2"
HP 12x84	10"	7/8"	1/16"	6 1/2"	5 1/8"	1/2"
x74	10"	7/8"	1/16"	6 1/2"	5 1/8"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	5 1/8"	3/8"
x53	10"	5/8"	1/2"	6 1/2"	5 1/8"	3/8"
HP 10x57	8"	3/4"	9/16"	5 1/4"	5 1/8"	3/8"
x42	8"	5/8"	9/16"	5 1/4"	5 1/8"	3/8"
HP 8x36	7"	5/8"	7/16"	4 1/4"	5 1/8"	3/8"

Note: The steel H-piles shall be according to AASHTO M270 Grade 50.

Testing Service Corporation

STRUCTURE BORING LOG

Page 1 of 2

Date Started 2/16/11

Date Completed 2/16/11

ROUTE FAV4000 DESCRIPTION Eldamain Road over Rob Roy Creek

SECT. 05-00086-00-EG STRUCT. NO. DRILLED BY TSC L-76.216

COUNTY Kendall LOCATION Sta. 467+30; 1' LT S. 25SE 1/4, TWP. 37N, RNG. 6E

Boring No.	Station	Offset	Surface Elev.	DEPTH	BLOW	Qu	W	Surface Water Elev.	Groundwater Elev.:	DEPTH	BLOW	Qu	W
		ft	ft	H	S	tsf	%	when drilling	at Completion	H	S	tsf	%
7			622.00										
3" Bluminous Concrete													
9" Crushed Stone Base													
Medium dense SANDY LOAM, some gravel, moist A-2-4					21 18 12		5.2		616.5 572.0		4 7 9	B 4.3 15%	11.3
Very stiff brown CLAY, trace gravel, moist A-6					7 10 10	P 2.0*	20.0				5 8 11	S 2.3 10%	13.7
Medium dense brown SAND, trace gravel, saturated A-1-b					5 6 7		20.9						
Hard to very stiff gray CLAY LOAM, trace gravel, moist A-6					7 8 11		15.1				4 6 8	S 2.0 10%	15.2
Hard to very stiff gray CLAY LOAM, trace gravel, moist A-6					10 9 16	B 2.7 15%	11.1				4 5 7	B 2.4 15%	14.6
Hard to very stiff gray CLAY LOAM, trace gravel, moist A-6					8 10 15	B 3.3 15%	11.5						
Hard to very stiff gray CLAY LOAM, trace gravel, moist A-6					6 10 13	B 3.4 15%	13.9				4 6 6	B 2.2 15%	14.3
Hard to very stiff gray CLAY LOAM, trace gravel, moist A-6					5 6 10	B 3.1 15%	11.9						
Hard to very stiff gray CLAY LOAM, trace gravel, moist A-6					5 7 11	B 3.2 15%	15.0				4 5 5	B 2.1 15%	13.8

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test Stations, Depths, Offset, and Elevations are in Feet

Testing Service Corporation

STRUCTURE BORING LOG

Page 2 of 2

Date Started 2/16/11

Date Completed 2/16/11

STRUCTURE NO. _____

ROUTE FAV4000

SECTION 05-00086-00-EG

COUNTY Kendall

Boring No.	Station	Offset	Elevation	DEPTH	BLOW	Qu	W
		ft	ft	H	S	tsf	%
7			572.00				
Loose gray SANDY LOAM, wet A-2-4							
Sample 17: LL/PL/P _L = 14/9/5							
Medium dense gray SANDY CLAY LOAM, wet A-4							
Hard gray CLAY, trace gravel, moist A-6							
End of Boring at 70.0'							

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test Stations, Depths, Offset, and Elevations are in Feet

I:\DOT_BORING\76218.GPJ IDOT\DOT 28/12



USER NAME = dennis	DESIGNED - BRL	REVISED -
PLOT SCALE = 0.10000' / in.	DRAWN - BJB	REVISED -
PLOT DATE = 5/15/2017	CHECKED - AJS	REVISED -
	DATE - 5/15/17	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

SOIL BORING LOGS (SHEET 1 OF 2)
STRUCTURE NO. 047-3174

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00RP	KENDALL	237	122
CONTRACT NO. 87666				

SCALE: SHEET NO. 17 OF 18 SHEETS STA. TO STA.

FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT

Testing Service Corporation

STRUCTURE BORING LOG

Page 1 of 2

Date Started 11/28/11

Date Completed 11/28/11

ROUTE FAV4000 DESCRIPTION Eldamain Road over Rob Roy Creek

SECT. 05-00086-00-EG STRUCT. NO. DRILLED BY TSC L-77,545

COUNTY Kendall LOCATION Sta. 468+40; 3.5 LT S. 36E 1/2, TWP. 37N, RNG. 6E

Boring No.	Station	Offset	Surface Elev.	D E P T H	B L O W S	Qu tsf	W %	Surface Water Elev.	Groundwater Elev.:	D E P T H	B L O W S	Qu tsf	W %
8		ft	620.50 ft										
3" Bituminous Concrete								Stiff to hard gray CLAY					
10" Crushed Stone Base								LOAM, trace gravel, moist					
FILL - Brown SANDY LOAM, moist A-2-4					10	P	4.4				6	B	11.4
FILL - Dark brown CLAY, trace gravel, trace organic, moist A-6					13		4.5				10		4.7
					16		15%				13		15%
Stiff brown and gray CLAY, trace gravel, very moist A-6					2	B					6	B	
					3		1.1				7		2.7
					3		15%				10		15%
Loose gray SAND, little gravel, moist A-1-b					3								
					3		9.8						
					5								
Stiff to hard gray CLAY LOAM, trace gravel, moist A-6					6	B					6	S	
					3		1.1				8		2.8
					4		15%				9		10%
Sample 6: LL/PL/PI = 26/11/15					4	B							
					5		2.0						
					7		15%						
Stiff to very stiff gray SILTY CLAY LOAM, moist A-4					10	B					4	B	
					11		1.1				4		1.9
					13		15%				4		15%
Sample 15: LL/PL/PI = 20/11/9					5	B							
					6		2.0				5		2.1
					7		15%				6		15%
Med. dense gray SANDY LOAM, trace gravel, very moist A-2-4					6	B							
					7		2.8				5		
					8		15%				9		10.6

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
Stations, Depths, Offset, and Elevations are in Feet

Testing Service Corporation

STRUCTURE BORING LOG

Page 2 of 2

Date Started 11/28/11

Date Completed 11/28/11

STRUCTURE NO. _____

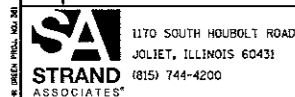
ROUTE FAV4000

SECTION 05-00086-00-EG

COUNTY Kendall

Boring No.	Station	Offset	Elevation	D E P T H	B L O W S	Qu tsf	W %
8		ft	570.50 ft				
Med. dense gray SANDY LOAM, trace gravel, wet A-2-4							
					49		
					50/1"		10.5
						15%	
Very dense SANDY CLAY LOAM, trace gravel, occasional Cobbles, wet A-4							
					79	S	
					50/2"	5.1	15.2
						10%	
Hard gray CLAY LOAM, trace to little gravel, occasional Cobbles and Boulders, moist A-6							
					67	S	
					50/1"	4.8	9.9
						10%	
Possible Gray SHALE							
					100/5"		5.7
End of Boring at 70.0'							

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
Stations, Depths, Offset, and Elevations are in Feet



1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200

USER NAME = dennisw
DESIGNED - BRL
DRAWN - BJF
CHECKED - AJS
DATE - 5/15/17

REVISED -
REVISED -
REVISED -
REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

SOIL BORING LOGS (SHEET 2 OF 2)
STRUCTURE NO. 047-3174

SCALE: SHEET NO. 18 OF 18 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00RP	KENDALL	237	123
CONTRACT NO. 87666				

FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT

Benchmark: Railroad spike in north face of 3rd power pole east of Eldamain Road on south side of River Road Sta. 427+63.15, 219.64' RT, Elev. 623.49.

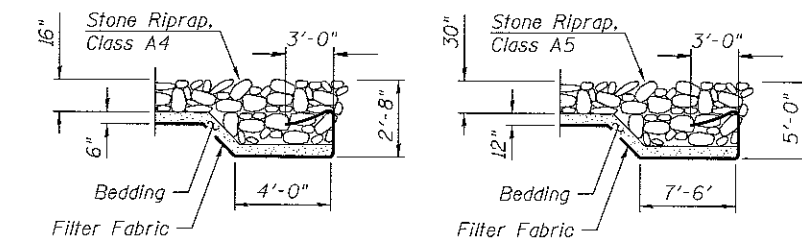
Existing Structure: 42"x29" C.M.P.A. Pipe length is 50'-0" and currently carries unnamed waterway. C.M.P.A. is located to the southwest of the proposed structure at 436+28.75, 58.0' left of the centerline of Eldamain Road.

Traffic will be detoured.

No salvage.

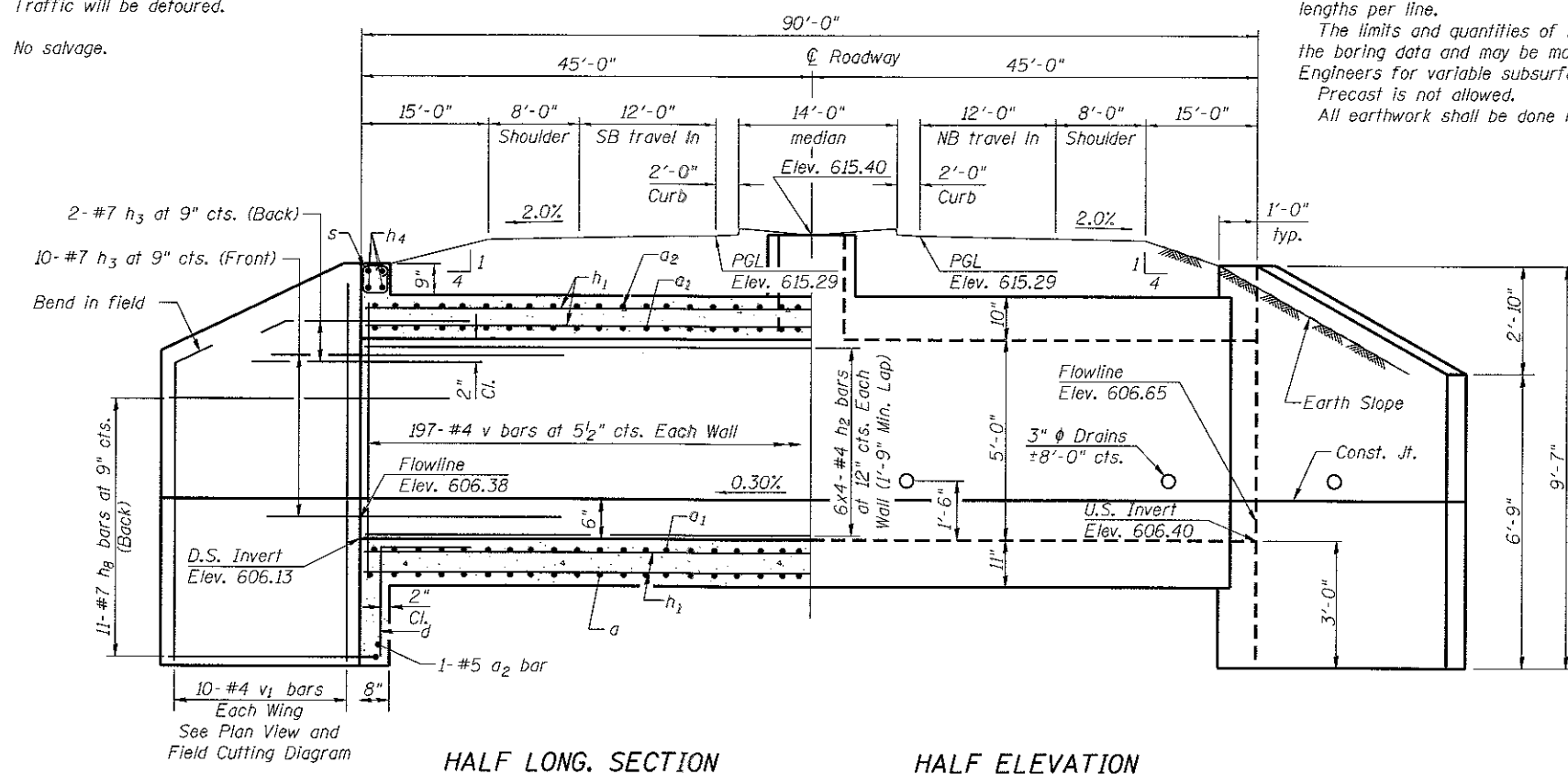
NOTES

* 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. See special provisions.
 Bars indicated thus 10 x 4-#5 etc. indicates 10 lines of bars with 4 lengths per line.
 The limits and quantities of removal and replacement shown are based on the boring data and may be modified by the District Geotechnical and Field Engineers for variable subsurface conditions encountered in the field.
 Precast is not allowed.
 All earthwork shall be done in a dry environment.



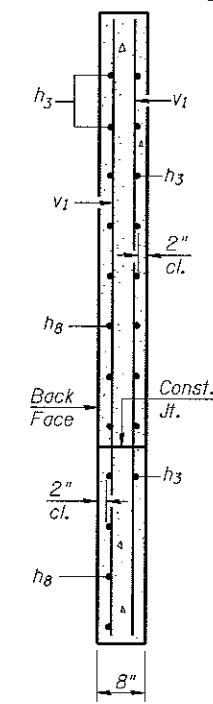
SECTION D-D

SECTION E-E



HALF LONG. SECTION

HALF ELEVATION



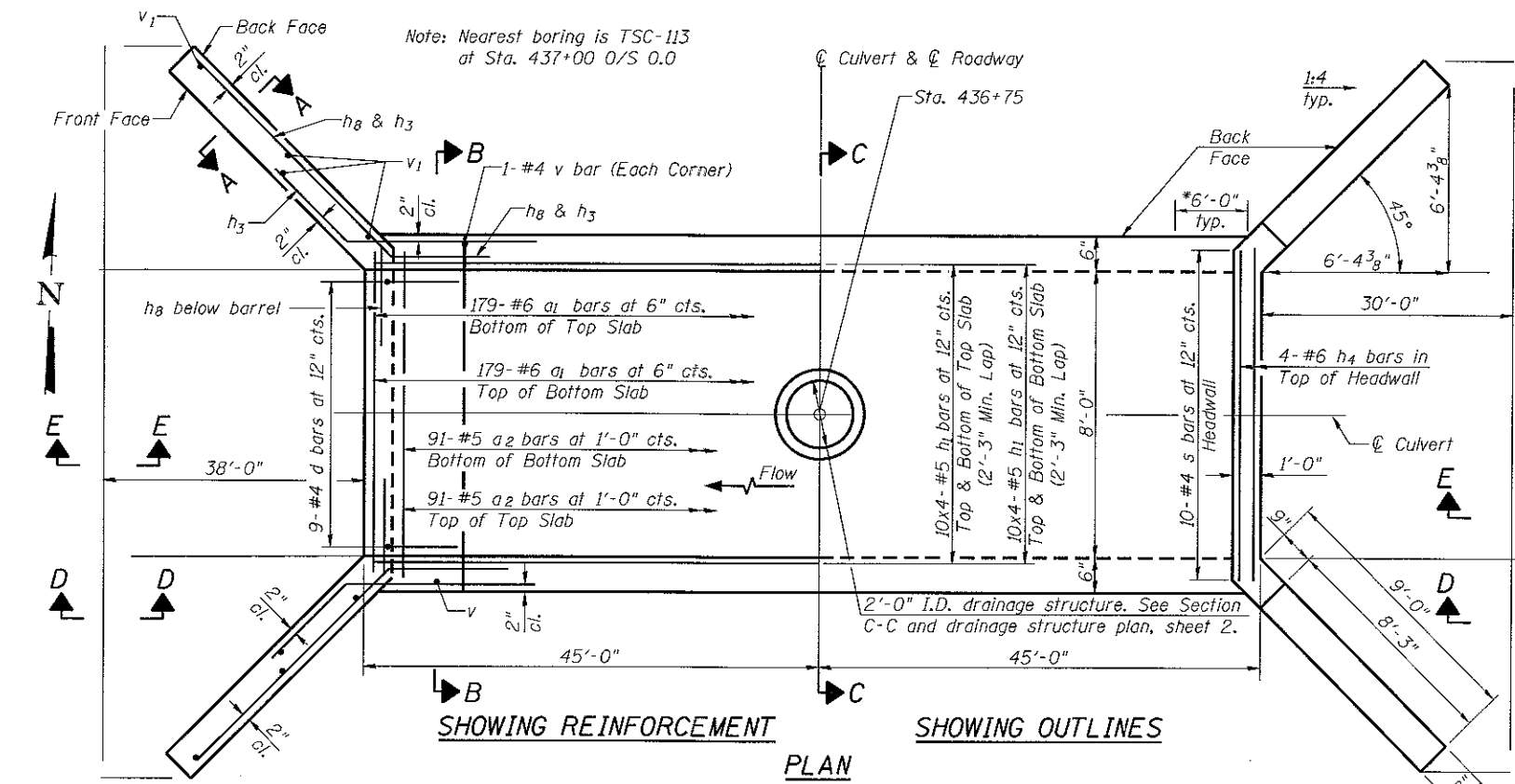
SECTION A-A

LOADING HL-93
 Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS
 2014 AASHTO LRFD Bridge Design Specifications, 7th Edition with 2015 Interims

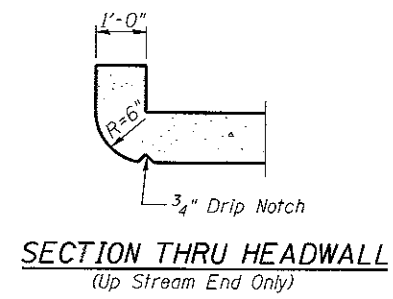
DESIGN STRESSES
FIELD UNITS
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)

HIGHWAY CLASSIFICATION
 Rte. F.A.U. - 4000 Eldamain
 Functional Class: Suburban Arterial
 ADT: 3,600 (2010); 17,000 (2040)
 ADTT: 72 (2010); 340 (2040)
 DHV: 1,130
 Design Speed: 45 m.p.h.
 Posted Speed: 45 m.p.h.
 2-Way Traffic
 Directional Distribution: 50:50

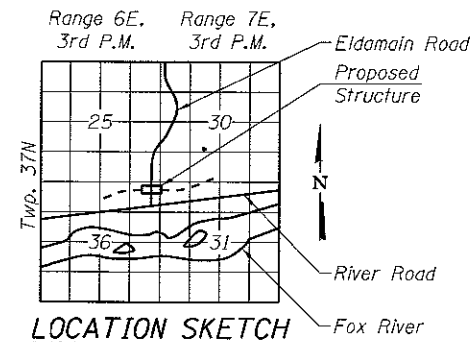


SHOWING REINFORCEMENT

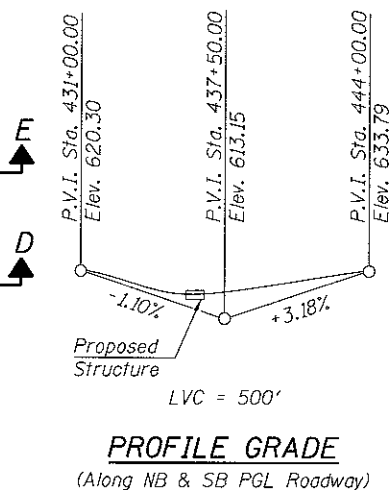
SHOWING OUTLINES



SECTION THRU HEADWALL
 (Up Stream End Only)



LOCATION SKETCH



PROFILE GRADE
 (Along NB & SB PGL Roadway)

LICENSED STRUCTURAL ENGINEER
 ANTHONY J. STANISH
 081-006818
 APR 11 2018

GENERAL PLAN & ELEVATION
C.H. 7 / ELDAMAIN ROAD
OVER UNNAMED WATERWAY
F.A.U. 4000
SECTION (16-00136-00RP)
KENDALL COUNTY
STA. 436+75.00

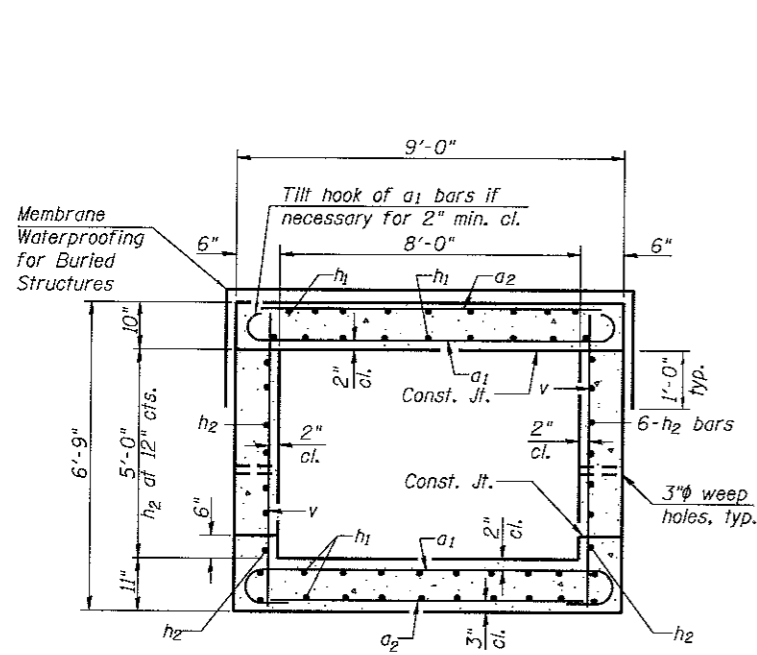
SSB-H-0
 1170 SOUTH HOUBOLT ROAD
 JOLETT, ILLINOIS 60431
 STRAND ASSOCIATES
 (815) 744-4200

USER NAME = dennisw	DESIGNED - BRL	REVISED -
DESIGNED - BRL	DRAWN - B.J.F.	REVISED -
PLLOT SCALE = 0.250000' / 1"	CHECKED - A.J.S.	REVISED -
PLLOT DATE = 5/17/2017	DATE - 5/15/17	REVISED -

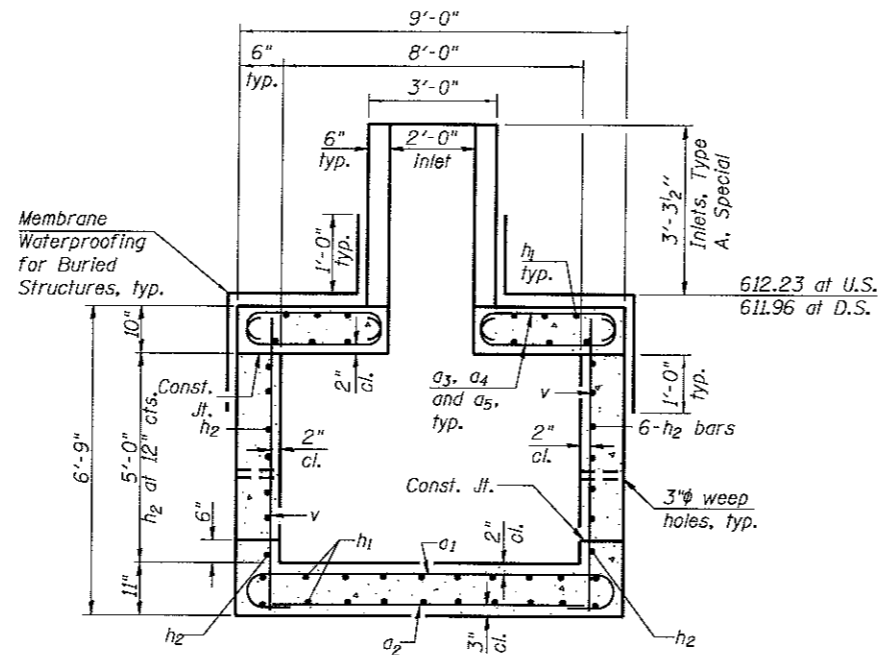
KENDALL COUNTY HIGHWAY DEPARTMENT

GENERAL PLAN AND ELEVATION	
CULVERT 436+75	
SCALE:	SHEET NO. 1 OF 2 SHEETS
STA.	TO STA.

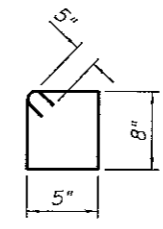
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00RP	KENDALL	237	124
CONTRACT NO. 87666				
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT				



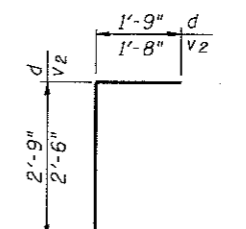
SECTION B-B



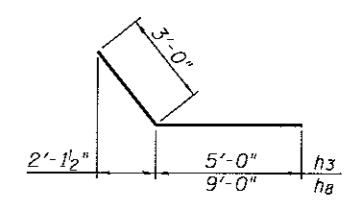
SECTION C-C



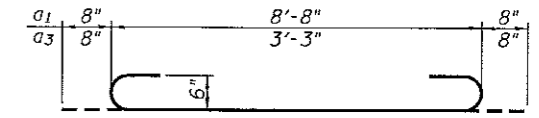
BAR s



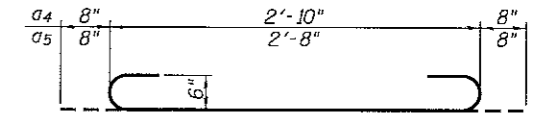
BAR d and v2



BARS h3 & h8



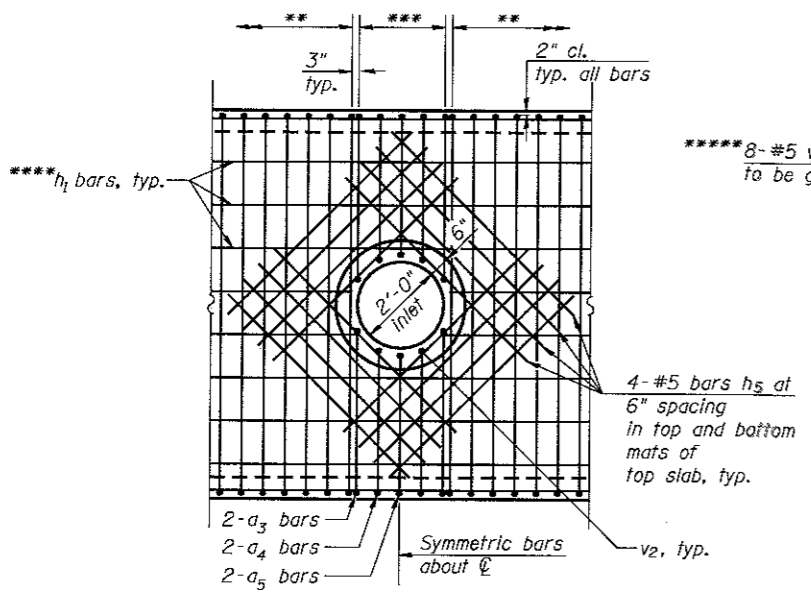
BAR a1 and a3



BAR a4 and a5

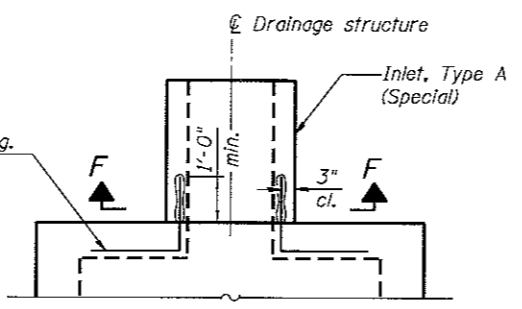
MINIMUM BAR LAP

#4 bar = 1'-9"
#5 bar = 2'-3"



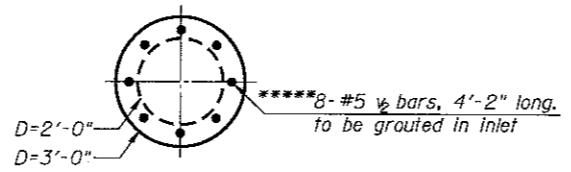
INLETS, TYPE A, SPECIAL PLAN

** Typical section a1 and h bars, see Section B-B
*** #6 - a3, a4 and a5 bars at 6" spa. both sides of inlet, top and bottom of top slab
**** h1 bars to be cut in field as required for Inlets, Type A, Special

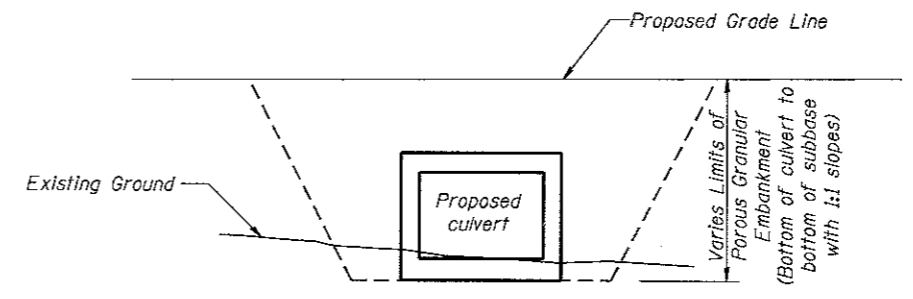


INLETS, TYPE A, SPECIAL ELEVATION

***** epoxy grouting to meet manufacturer requirements and Standard Specifications Section 584. Cost shall be considered included under the unit bid price for Reinforcement Bars



SECTION F-F



SECTION G-G

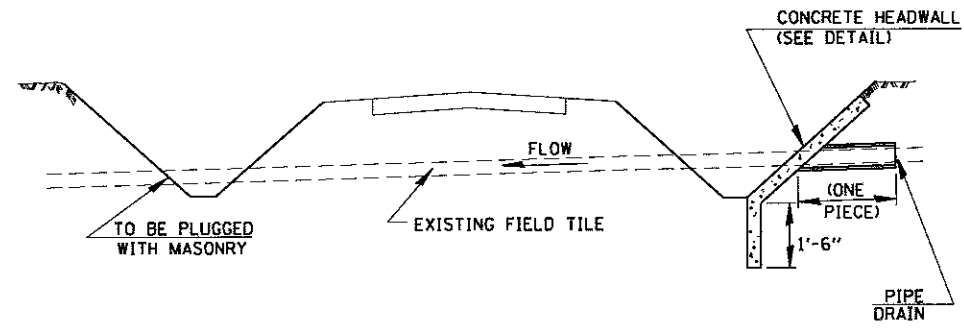
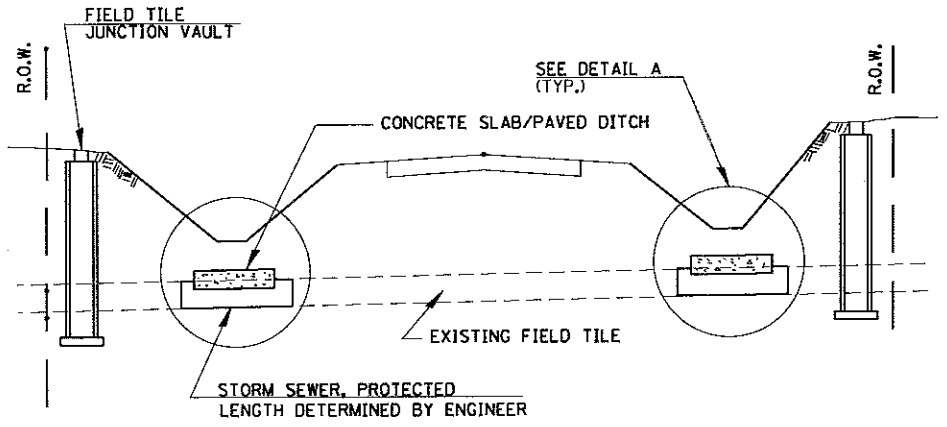
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a1	358	#6	10'-0"	U
a2	182	#5	8'-8"	U
a3	8	#6	4'-7"	U
a4	8	#6	4'-1"	U
a5	4	#6	4'-0"	U
d	18	#4	4'-6"	L
h1	160	#5	24'-1"	—
h2	56	#4	23'-9"	—
h3	56	#7	8'-0"	—
h4	8	#6	8'-6"	—
h5	32	#6	6'-0"	—
h8	44	#7	12'-0"	—
v	394	#4	6'-5"	—
v1	40	#4	15'-8"	—
v2	8	#5	4'-2"	—
s	20	#4	3'-0"	□
Porous Granular Embankment			Cu. Yd.	343
Reinforcement Bars			Pound	16,595
Concrete Box Culverts			Cu. Yd.	78
Membrane Waterproofing for Buried Structures			Sq. Yd.	128
Inlets, Type A, Special			Each	1.0

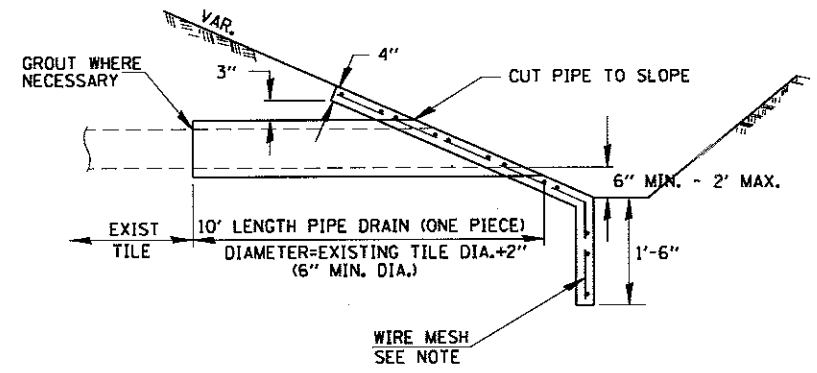
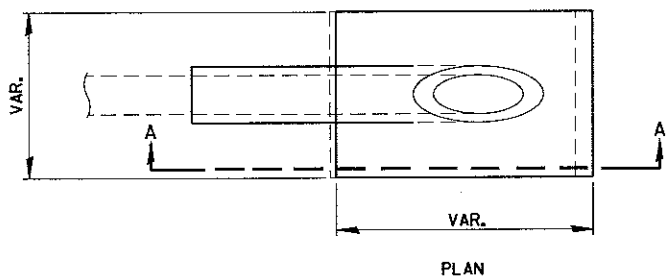
DATE	
BY	
NO. OF WAY CHECKED	
NO. OF FIELD TILE	
NO.	

DATE	
BY	
NO. OF WAY CHECKED	
NO. OF FIELD TILE	
NO.	

HRG PROJECT NO. 880303B
 HRG PROJ. CONTACTS: JBA, de102-dgn
 FILE NAME: L_pdr_bw.dwg
 PLOT DRIVER: plotdrv1.tst
 PEN TABLE:

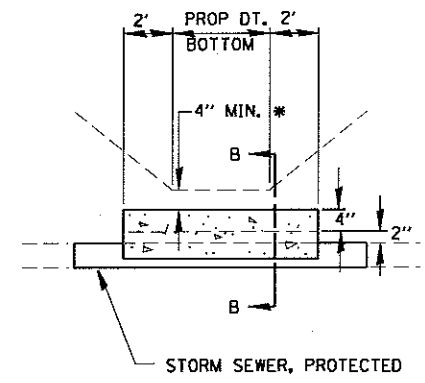


FIELD TILE REPLACEMENT



SECTION A-A

CLASS SI CONCRETE HEADWALLS

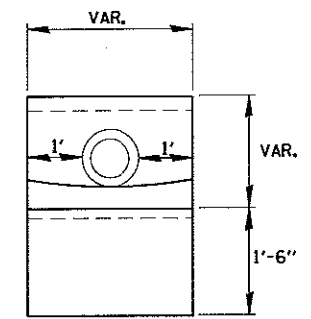


DETAIL A
NO SCALE

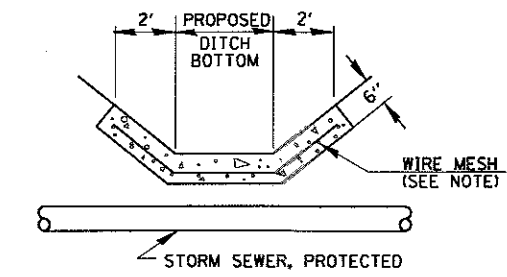
* IF A 4" COVER CAN NOT BE PROVIDED A PAVED DITCH SHALL BE CONSTRUCTED AS SHOWN IN DETAIL C.

- NOTES:
1. WIDTH OF CONCRETE SLAB SHALL BE THE SAME AS THE TRENCH WIDTH IN ACCORDANCE WITH SECTION 550 OF THE STD. SPECIFICATIONS, OR 3' MIN.
 2. CONCRETE FOR SLAB, HEADWALL AND PAVED DITCH SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC YARD FOR "MISCELLANEOUS CONCRETE."
 3. COST OF FURNISHING AND INSTALLING WIRE MESH SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR MISCELLANEOUS CONCRETE. WIRE MESH TO WEIGH NOT LESS THAN 58# PER 100 SQ. FT.

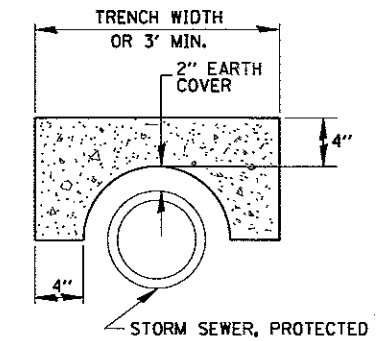
- NOTES:
1. ANY STORM SEWER OR FIELD TILE OUTLET INTO A DITCH SHALL HAVE A HEADWALL BUILT IN ACCORDANCE WITH THIS DETAIL.
 2. COST OF FURNISHING AND INSTALLING WIRE MESH SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR MISCELLANEOUS CONCRETE. WIRE MESH TO WEIGH NOT LESS THAN 58# PER 100 SQ. FT.



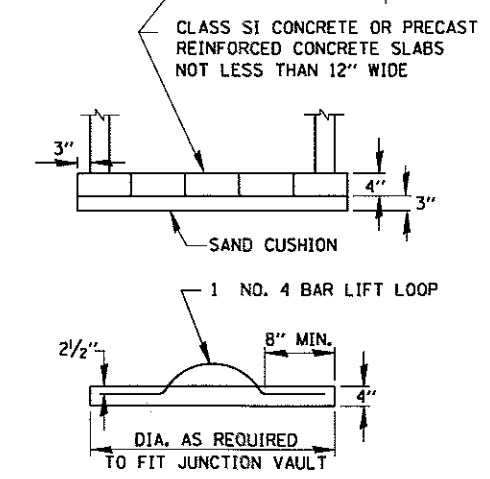
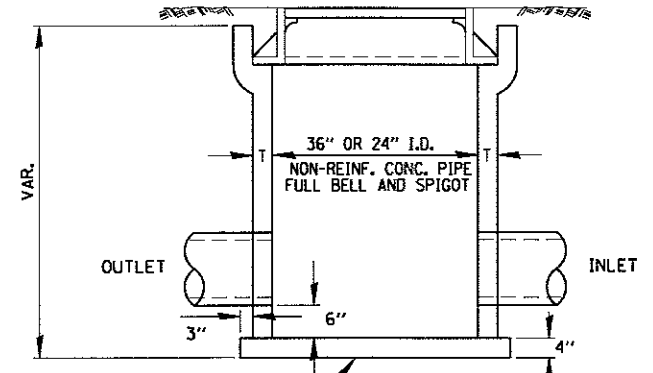
END VIEW



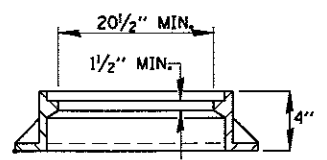
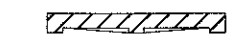
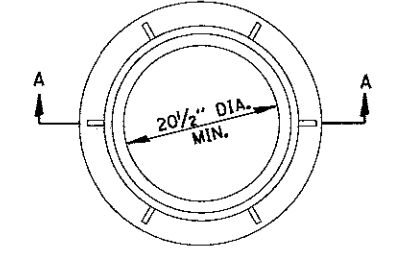
DETAIL C
NO SCALE



SECTION B-B



FIELD TILE JUNCTION VAULT



SECTION A-A

ALTERNATE MATERIALS FOR WALLS	T
PRECAST REINFORCED CONCRETE RISERS	4"
CONCRETE MASONRY UNIT	5"
MONOLITHIC CONCRETE	6"
BUILDING BRICK, GRADE SW FROM CLAY OR SHALE	8"
CONCRETE BUILDING BRICK, GRADE A	8"

- NOTES:
1. THE CONTRACT UNIT PRICE FOR FIELD TILE JUNCTION VAULT SHALL INCLUDE THE COST OF FURNISHING AND PLACING THE FRAME AND GRATE OR PRECAST CONCRETE LID AND WHEN REQUIRED, THE SAND CUSHION.
 2. ALL FIELD TILE JUNCTION VAULTS SHALL BE 2'-0" IN DIAMETER UNLESS OTHERWISE NOTED ON THE PLANS.



USER NAME = rbeat	DESIGNED - APS	REVISED -
PLOT SCALE *	DRAWN - RCB	REVISED -
PLOT DATE = 5/15/2017	CHECKED -	REVISED -
	DATE - 5/15/17	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

MISCELLANEOUS DETAILS
(SHEET 2 OF 7)

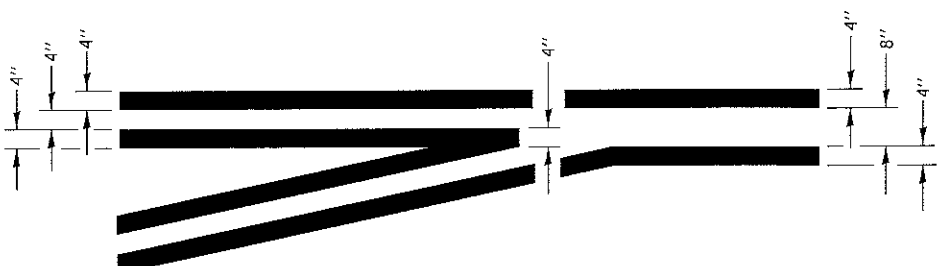
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	127
CONTRACT NO. 87666				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

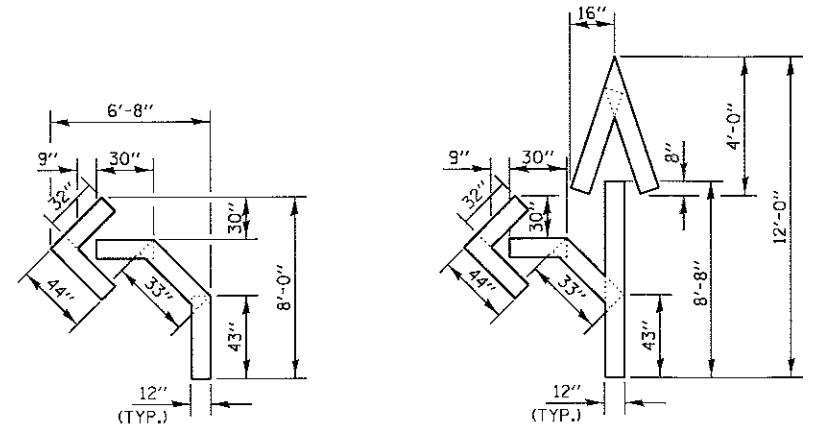
PLAN	SURVEYED	BY	DATE
	ALIGNED		
	NOTED		
	FILED		
	NO. OF		
	BY		
	FILE		
	NO.		

PROFILE	SURVEYED	BY	DATE
	ALIGNED		
	NOTED		
	FILED		
	NO. OF		
	BY		
	FILE		
	NO.		

USC PROJECT NO.: BR1028
 HRG PROJECT NO.: 3814-09-03-00
 FILE NAME: il.pdf.dwg
 PLOT DRIVER: il.pdf.dwg
 PEN TABLE: plot.tbl

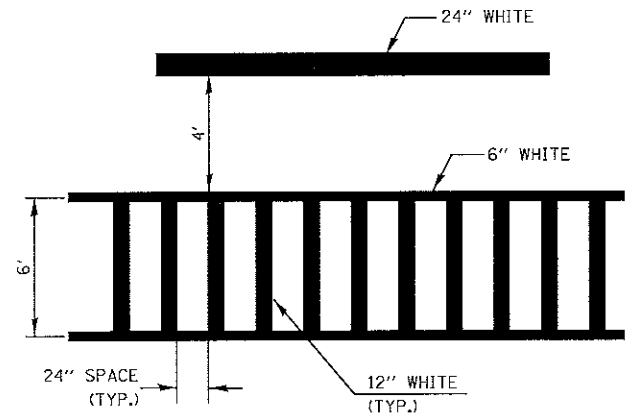
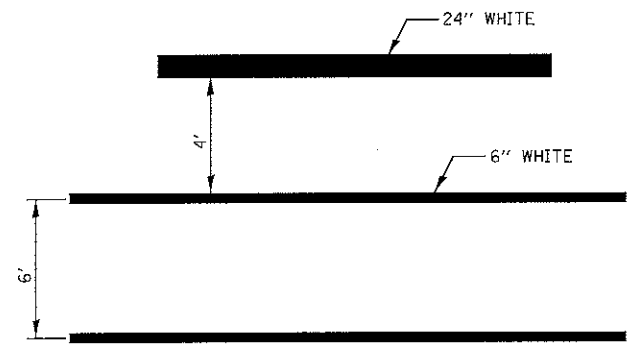


TYPICAL APPLICATION AT LEFT TURN LANES

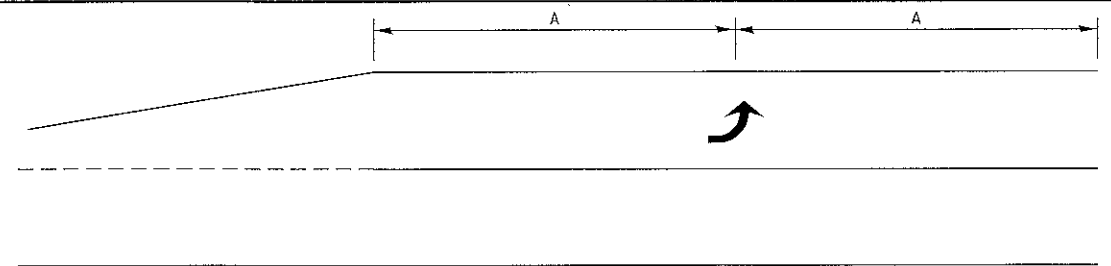


QUANTITY
 12" LINE = 16 LIN. FT.
 OR 4" LINE = 48 LIN. FT.

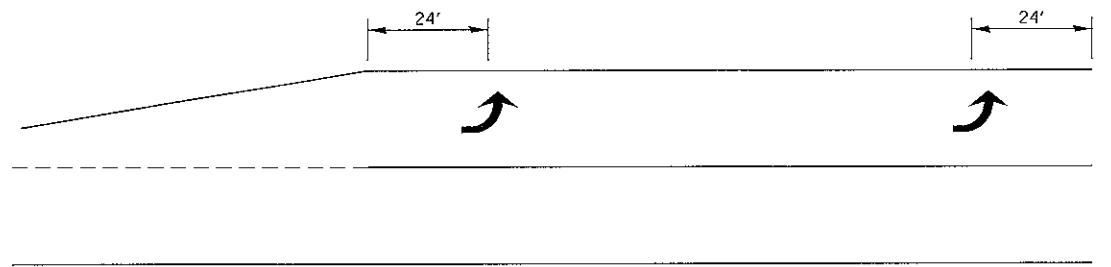
QUANTITY
 12" LINE = 29 LIN. FT.
 OR 4" LINE = 87 LIN. FT.



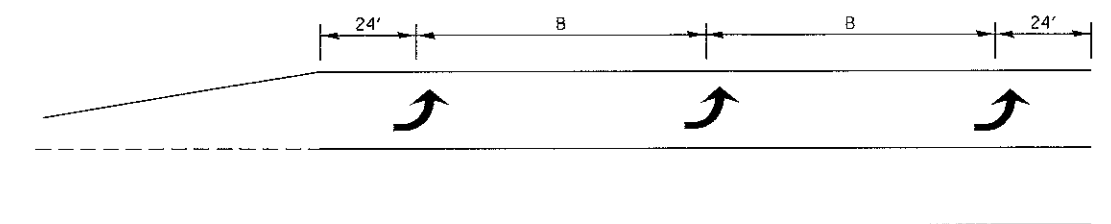
TYPICAL SPACING DETAIL FOR CROSSWALKS AND STOP BARS



99' AND UNDER

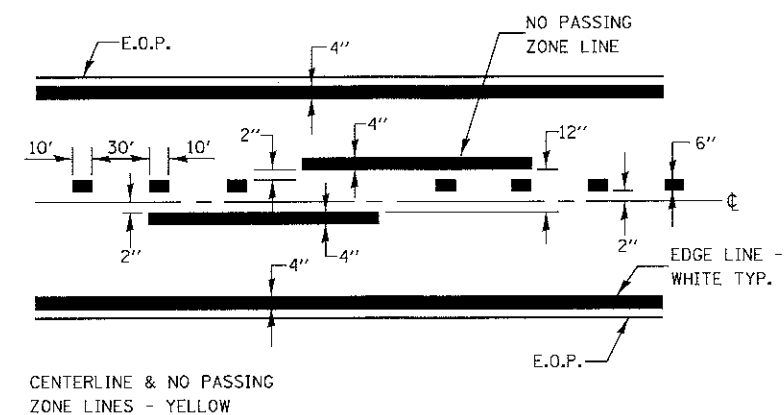


100' TO 149'

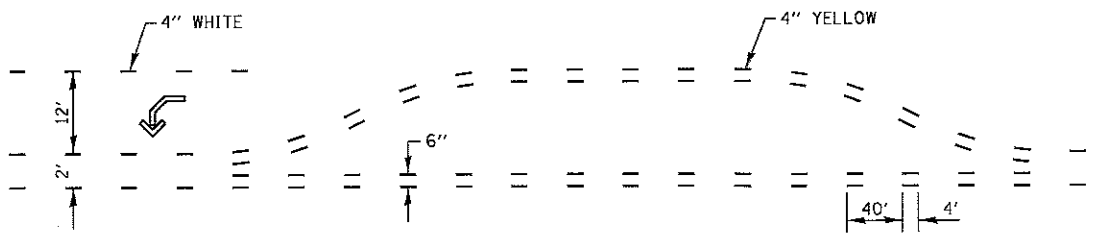


150' AND LONGER

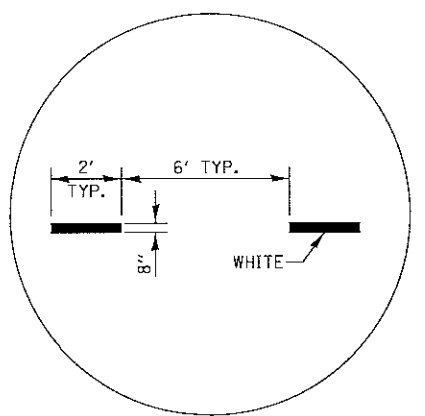
TYPICAL PLACEMENT OF ARROWS IN TURN LANES



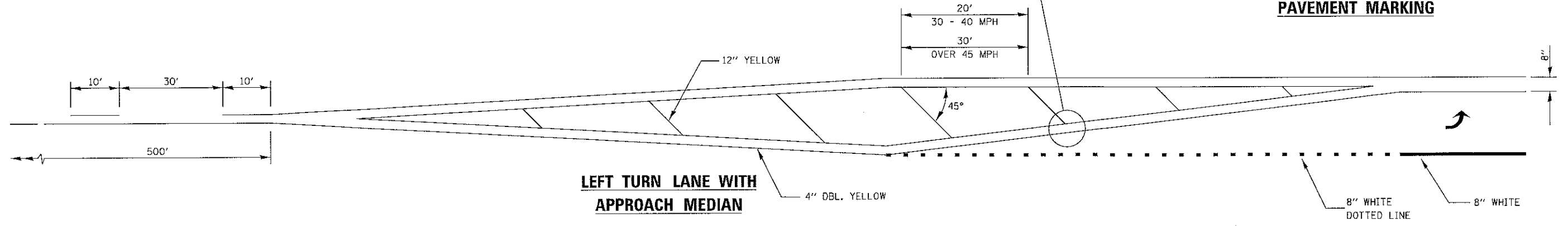
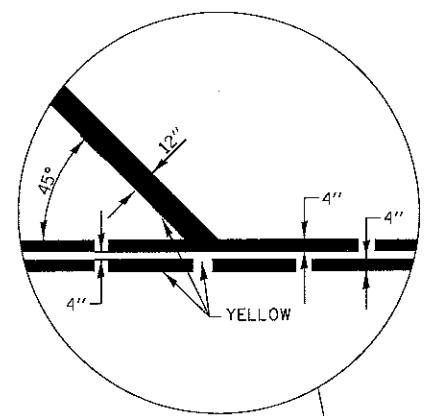
PAVEMENT MARKING



SHORT-TERM PAVEMENT MARKING FOR MEDIANS AND ARROWS



ADVANCE AND INTERSECTION LANE DIVIDER LINES



LEFT TURN LANE WITH APPROACH MEDIAN



USER NAME = rbest	DESIGNED - APS	REVISED -
PLOT SCALE =	DRAWN - RCB	REVISED -
PLOT DATE = 5/15/2017	CHECKED -	REVISED -
	DATE - 5/15/17	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

MISCELLANEOUS DETAILS (SHEET 3 OF 7)			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.U. RTE. 4000	SECTION NO. 16-00136-00-RP	COUNTY KENDALL	TOTAL SHEETS 237	SHEET NO. 128
CONTRACT NO. 87666				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

PLAN	REVISION	DATE
NO.		
BY		
CHECKED		
DATE		
NO.		
BY		
CHECKED		
DATE		
NO.		

PROFILE	REVISION	DATE
NO.		
BY		
CHECKED		
DATE		
NO.		
BY		
CHECKED		
DATE		
NO.		

HRG PROJECT NO. 4
 HRG PROJ. CONTACT:
 FILE NAME: 38A_dcf154.dgn
 PLOT DRIVER: il_def_bwp1ctf9
 PEN TABLE: porttabel.tbl



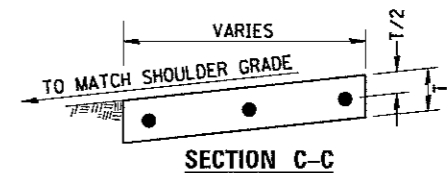
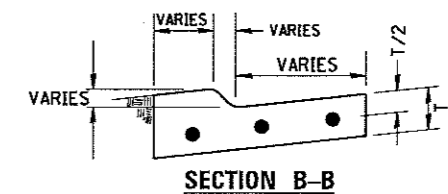
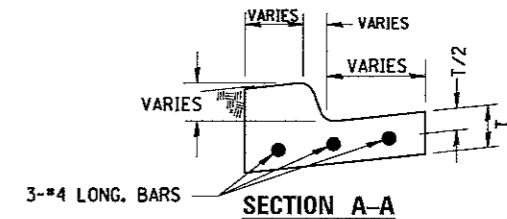
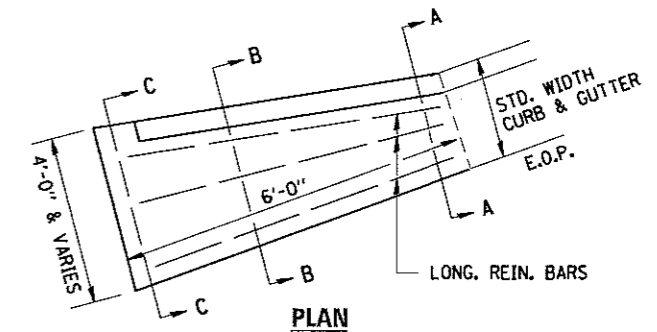
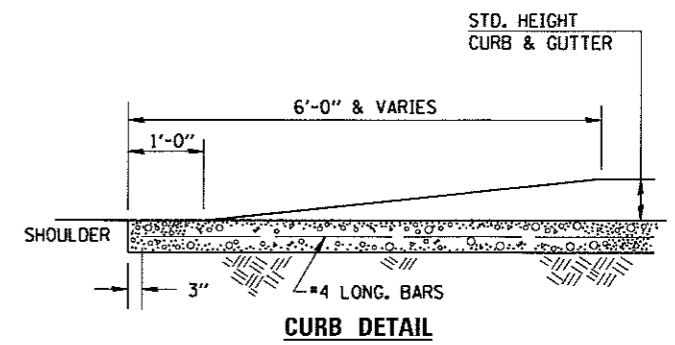
USER NAME = rbest	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 5/15/2017	DATE - 5/15/17	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

MISCELLANEOUS DETAILS
(SHEET 4 OF 7)

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	129
CONTRACT NO. 87666				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



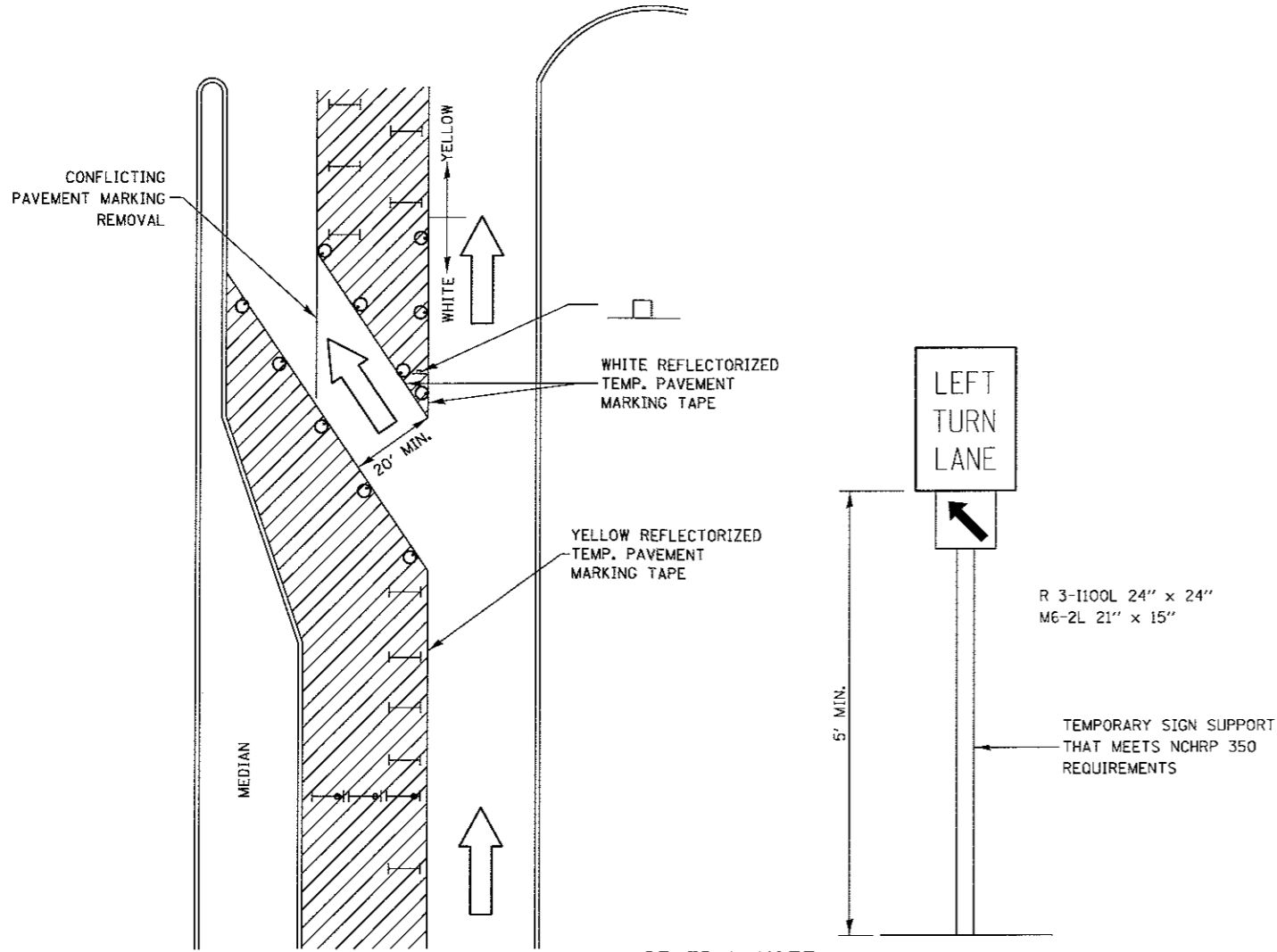
- NOTES:
1. CONCRETE CURB AND GUTTER OUTLET, SPECIAL WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE MEASURED AND PAID FOR AS COMBINATION CONCRETE CURB AND GUTTER, OF THE ADJACENT TYPE SPECIFIED IN THE PLANS.
 2. WHEN ADJACENT TO COMBINATION CONCRETE CURB AND GUTTER, TYPE M4.12, TWO EVENLY SPACED LONGITUDINAL REINFORCEMENT BARS SHALL BE REQUIRED INSTEAD OF THREE. SEE PLAN AND PROFILES FOR LOCATIONS OF SPECIFIC CURB TYPES.

CONCRETE CURB AND GUTTER OUTLET, SPECIAL

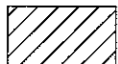
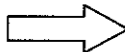




PLAN	DATE
BY	
REVISIONS	
NO.	
DATE	
BY	
DESCRIPTION	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

PROFILE	DATE
BY	
REVISIONS	
NO.	
DATE	
BY	
DESCRIPTION	
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

HRC PROJECT NO. 8890381
 HRC PROJ. CONTACT: 384.de.roe.dgn
 FILE NAME: 4...def...p1c17g
 PLOT DRIVER: p1c17g
 PEN TABLE:



LEGEND

-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE OR DRUM WITH FLASHING BURNING LIGHT
-  DRUM OR BARRICADE WITH STEADY BURN LIGHT
-  SIGN (SEE DETAIL)
-  TYPE I OR II CHECK BARRICADE WITH STEADY LIGHT BURN

GENERAL NOTE:

CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING THE DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28" IN HEIGHT.

STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS WILL BE MONODIRECTIONAL.

SIGNS MAY BE MOUNTED ABOVE THE BARRICADES/DRUMS, PROVIDED THEY ARE ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.

REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.

THIS APPLICATION ALSO APPLIEES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24" x 24" AND M6-2R 21" x 15" SHALL BE USED.

THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL TOR LANE CLOSURES.

LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

**TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)**

USER NAME = jrostbu	DESIGNED - APS	REVISED -
PLOT SCALE =	DRAWN - RCB	REVISED -
PLOT DATE = 5/17/2017	CHECKED -	REVISED -
	DATE - 5/15/17	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

**MISCELLANEOUS DETAILS
(SHEET 5 OF 7)**

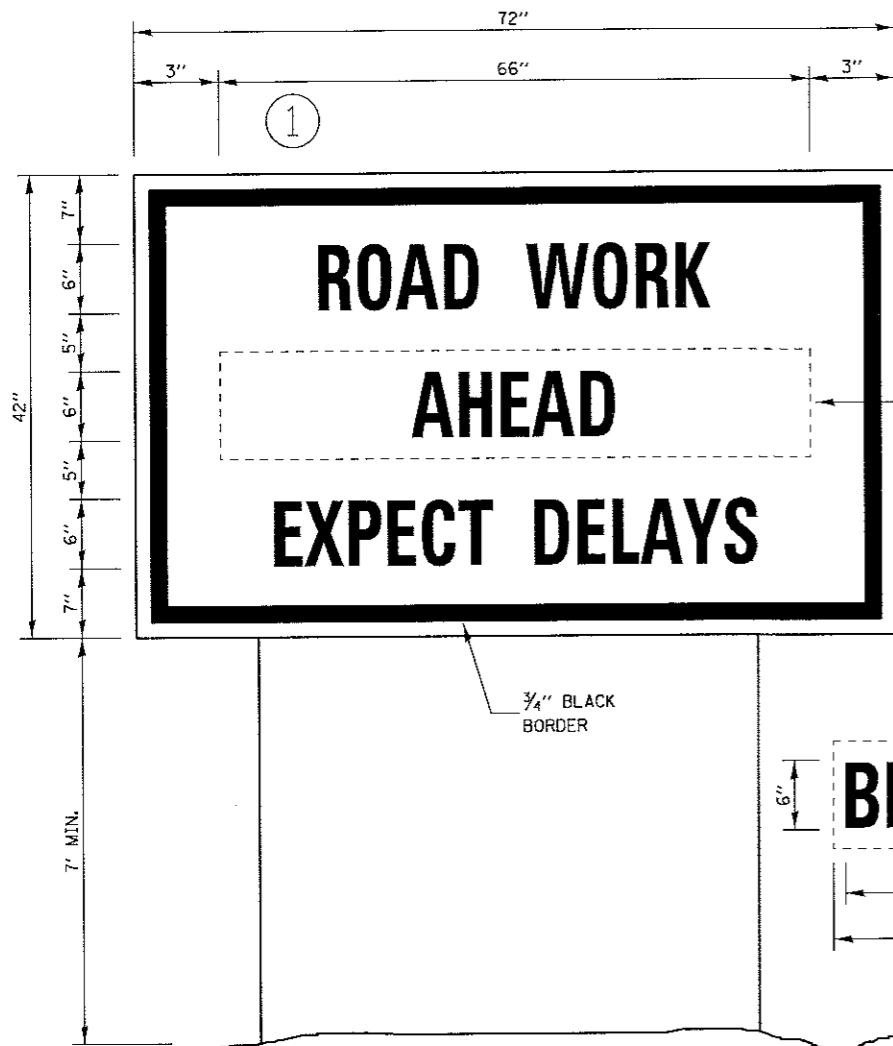
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	130
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 87666	

PLAN	SURVEYED	DATE
	FILED	
	ALIGNED	
	CHECKED	
	BY	
	NO.	
	FILE	
	NAME	

PROFILE	SURVEYED	DATE
	FILED	
	ALIGNED	
	CHECKED	
	BY	
	NO.	
	FILE	
	NAME	

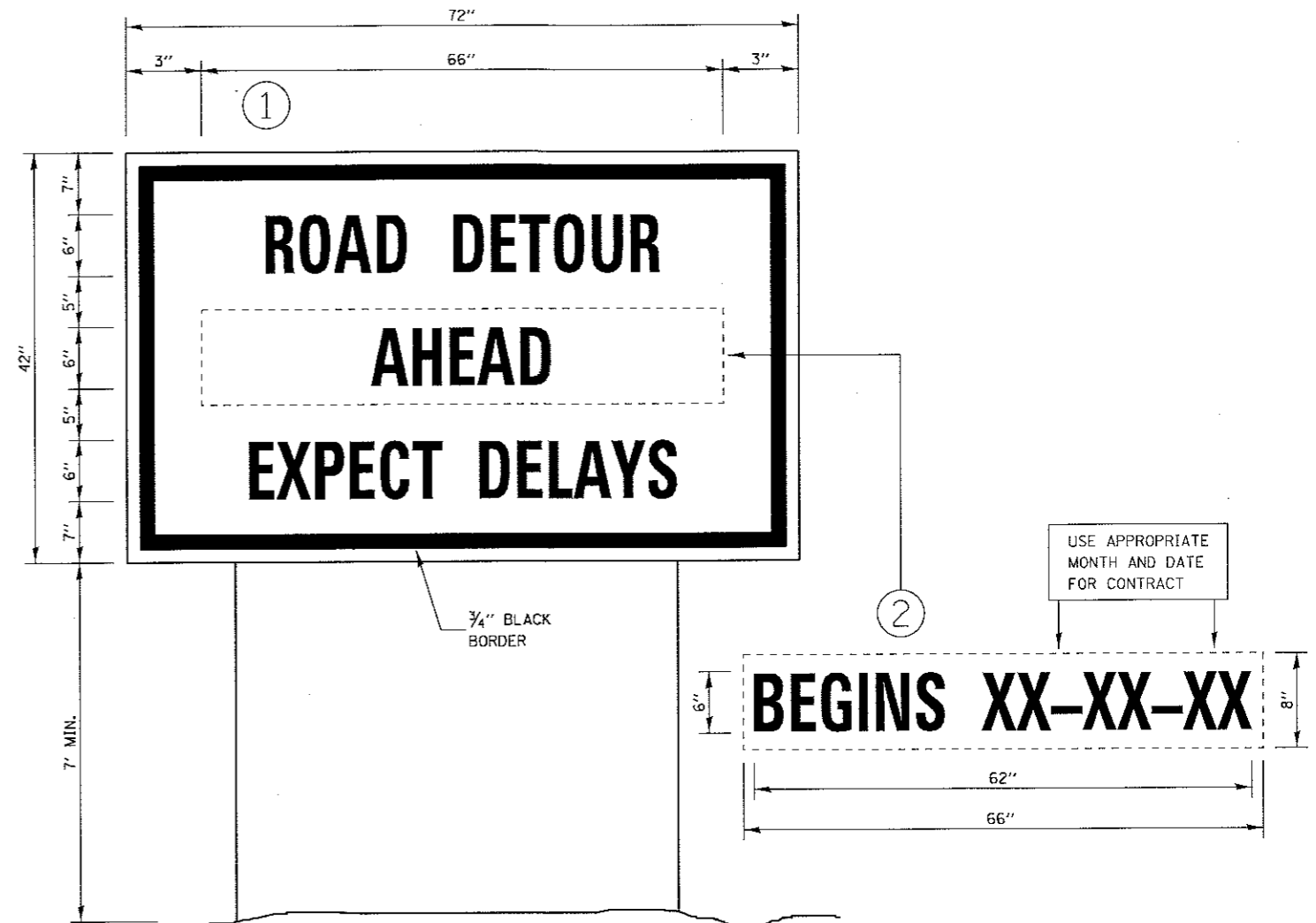
HRG PROJECT NO. 882026R
 HRG PROJ. CONTACT: JBA, dm+06.dgt
 FILE NAME: k_per_by.dwg
 PLOT DRIVER: plottbltbl
 PEN TABLE:



TEMPORARY INFORMATION SIGNING

NOTES:

1. USE 6" D BLACK LETTERING ON FLOURESENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE LANE CLOSURE.
4. REMOVE PANEL ② ON THAT DATE.
5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL ② WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.



TEMPORARY INFORMATION SIGNING

NOTES:

1. USE 6" D BLACK LETTERING ON FLOURESENT ORANGE BACKGROUND.
2. ERECT SIGNS AT LOCATIONS IN ADVANCE OF THE "ROAD CONSTRUCTION AHEAD" SIGNS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② A MINIMUM OF ONE WEEK PRIOR TO THE START OF THE DETOUR.
4. REMOVE PANEL ② ON THAT DATE.
5. SEE SPECIAL PROVISION "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. WILL BE PAID FOR PER SQ FT AS "TEMPORARY INFORMATION SIGNING". EACH SIGN = 21 SQ FT AND THE DATE PANEL ② WILL NOT BE MEASURED SEPARATELY FOR PAYMENT.

TEMPORARY INFORMATION SIGN DETAILS



USER NAME = rbest	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 5/15/2017	DATE - 5/15/17	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

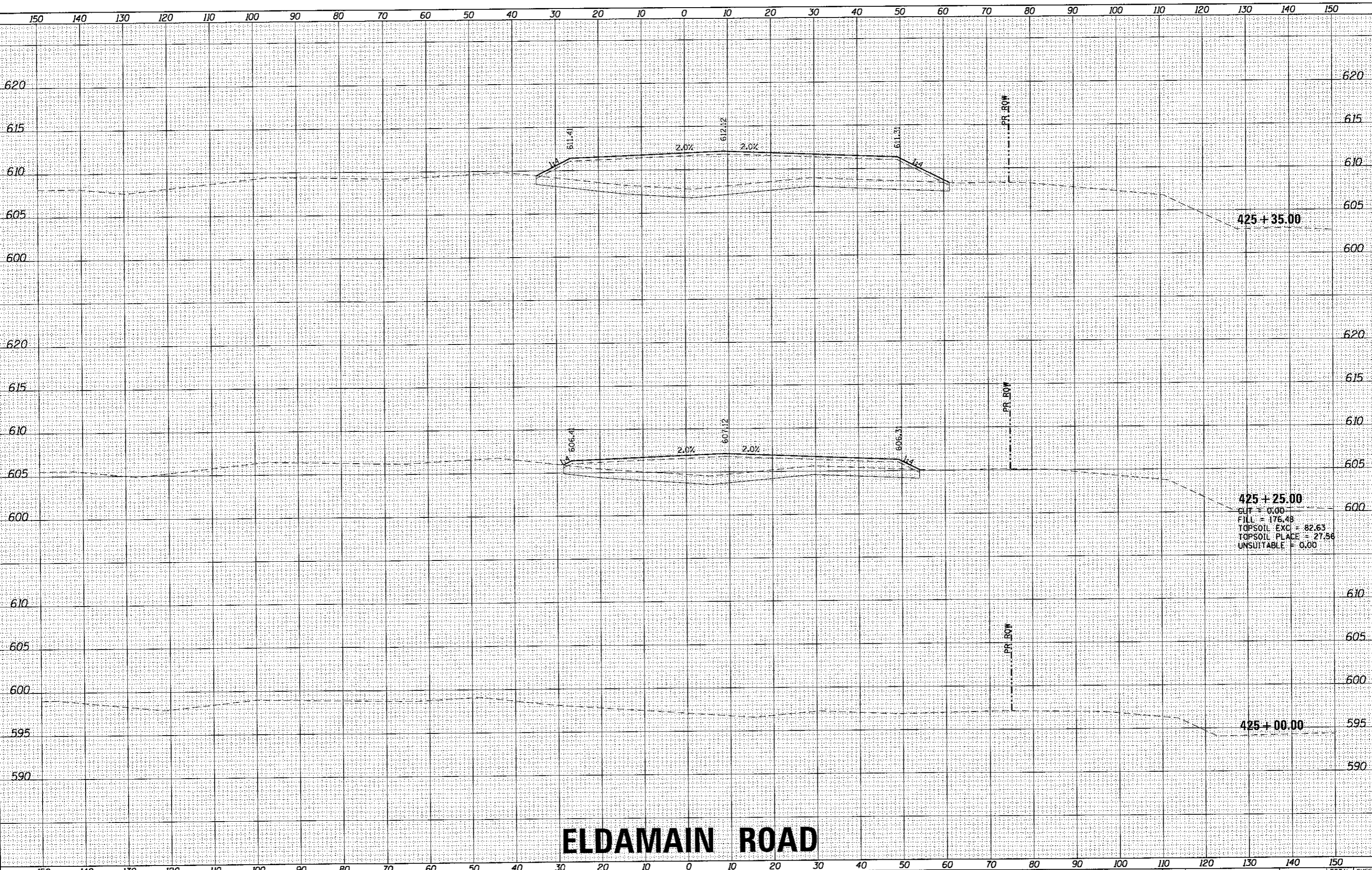
**MISCELLANEOUS DETAILS
(SHEET 6 OF 7)**

SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	F.A.U. RTE. 4000	SECTION NO. 16-00136-00-RP	COUNTY KENDALL	TOTAL SHEETS 237	SHEET NO. 131
			CONTRACT NO. 87666				
			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

HRG PROJECT NO.: 890038
 HRG PROJ. CONTACT: JRM, jrm@hrgreen.com
 FILE NAME: 16-00136-00-RP
 PLOT DATE: 5/15/17



425 + 25.00
 CUT = 0.00
 FILL = 176.48
 TOPSOIL EXC = 82.63
 TOPSOIL PLACE = 27.58
 UNSUITABLE = 0.00

ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
 ELDAMAIN ROAD



USER NAME = jrm	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 5/15/17	DATE - 5/15/17	REVISED -

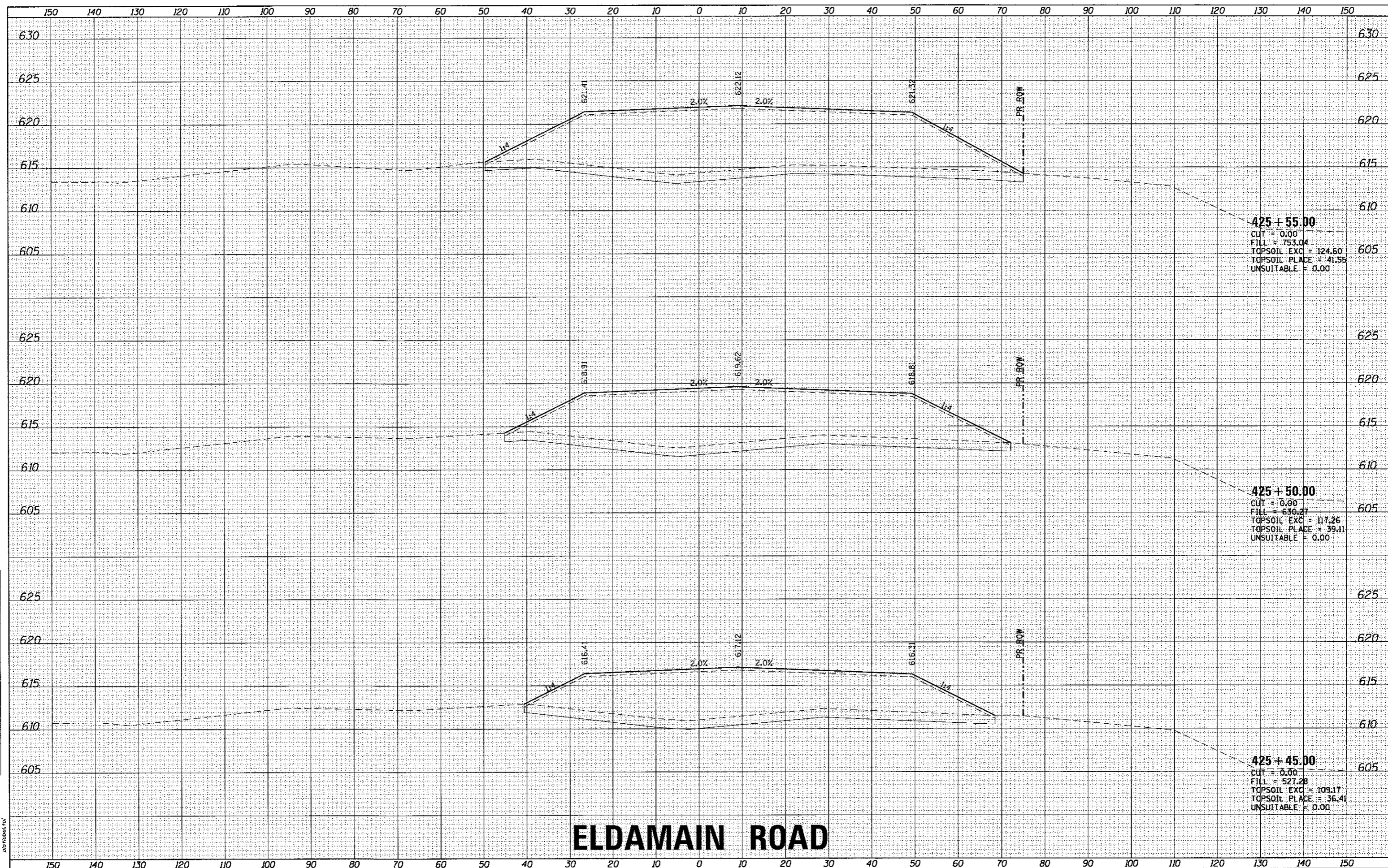
SCALE:	SHEET NO.	OF SHEETS	STA. 425+00.00 TO STA. 425+35.00
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F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	133
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 8766	

DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	
REVISIONS	
NO.	

DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	
REVISIONS	
NO.	

HRG PROJECT NO.: 88/20381
 HRG PROJ. CONTACT: JBA_xasr10_eldmain.dgn
 FILE NAME: h_per_buptrc7g
 PLOT DRIVER: plottbl.plt



ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
ELDAMAIN ROAD

USER NAME	= rbest
DESIGNED	- APS
DRAWN	- RCB
CHECKED	-
DATE	- 5/15/2017
REVISIONS	-
REVISIONS	-
REVISIONS	-
REVISIONS	-

SCALE:	SHEET NO.	OF	SHEETS	STA. 425+45.00	TO STA. 425+55.00
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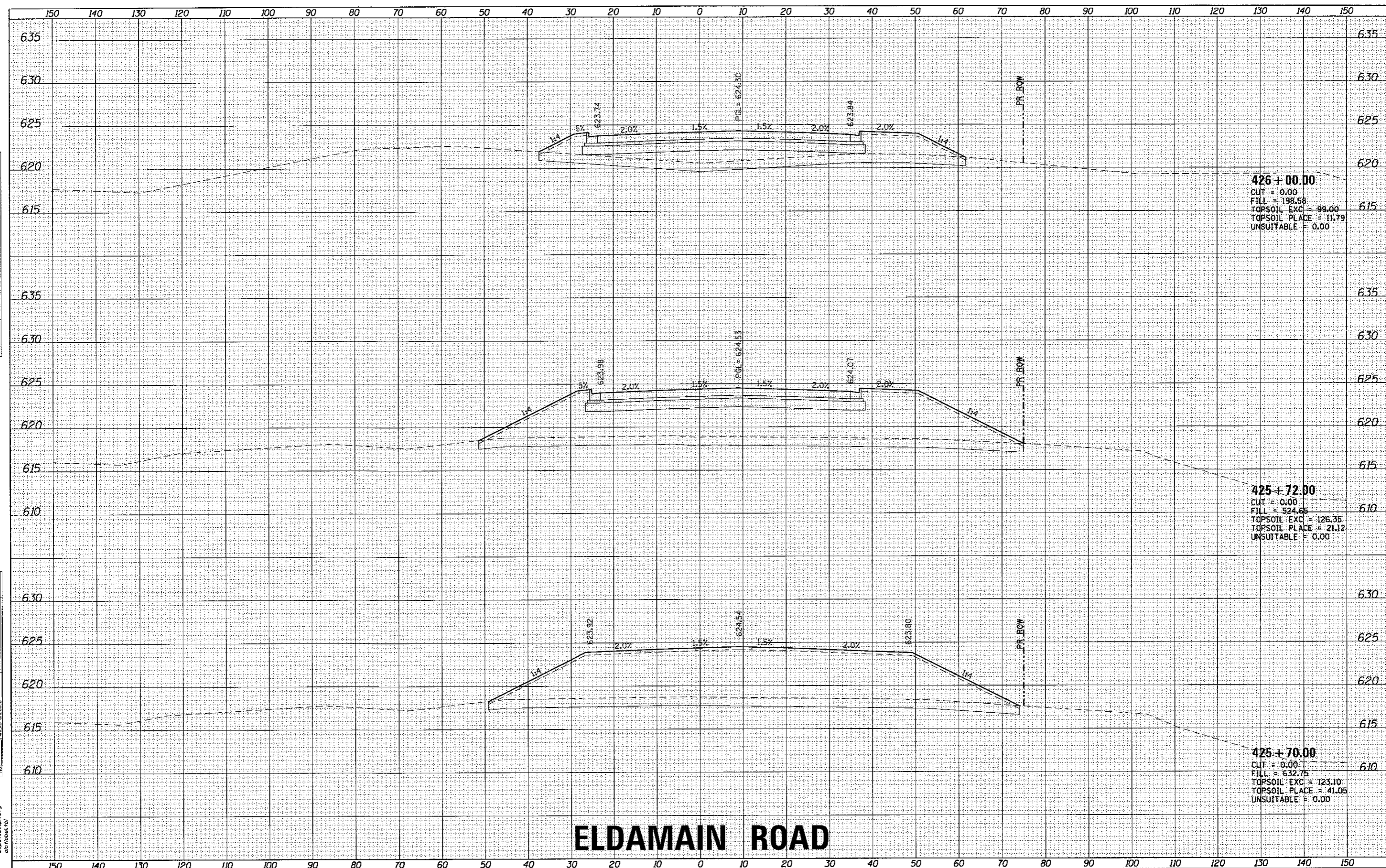
F.A.I. RATE	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	134
CONTRACT NO. 87666				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



DATE	
BY	
SURVEYED	
PLOTTED	
TOPGRAPHIC	
AREAS	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TOPGRAPHIC	
AREAS	
AREAS CHECKED	
NO.	

HRG PROJECT NO. 6830361
 HRG PROJ. CONTACT: 38A-xstf101.eldmain.rp
 FILE NAME: 11_per_bwp1c1g
 PLOT DRIVER: plottbl
 PEN TABLE:



ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
ELDAMAIN ROAD



USER NAME =	-best
DESIGNED -	APS
DRAWN -	RCB
CHECKED -	
DATE -	5/15/17
REVISIONS	
REVISED -	
REVISED -	
REVISED -	
REVISED -	

SCALE:	
SHEET NO.	OF SHEETS
STA. 425+70.00	TO STA. 426+00.00

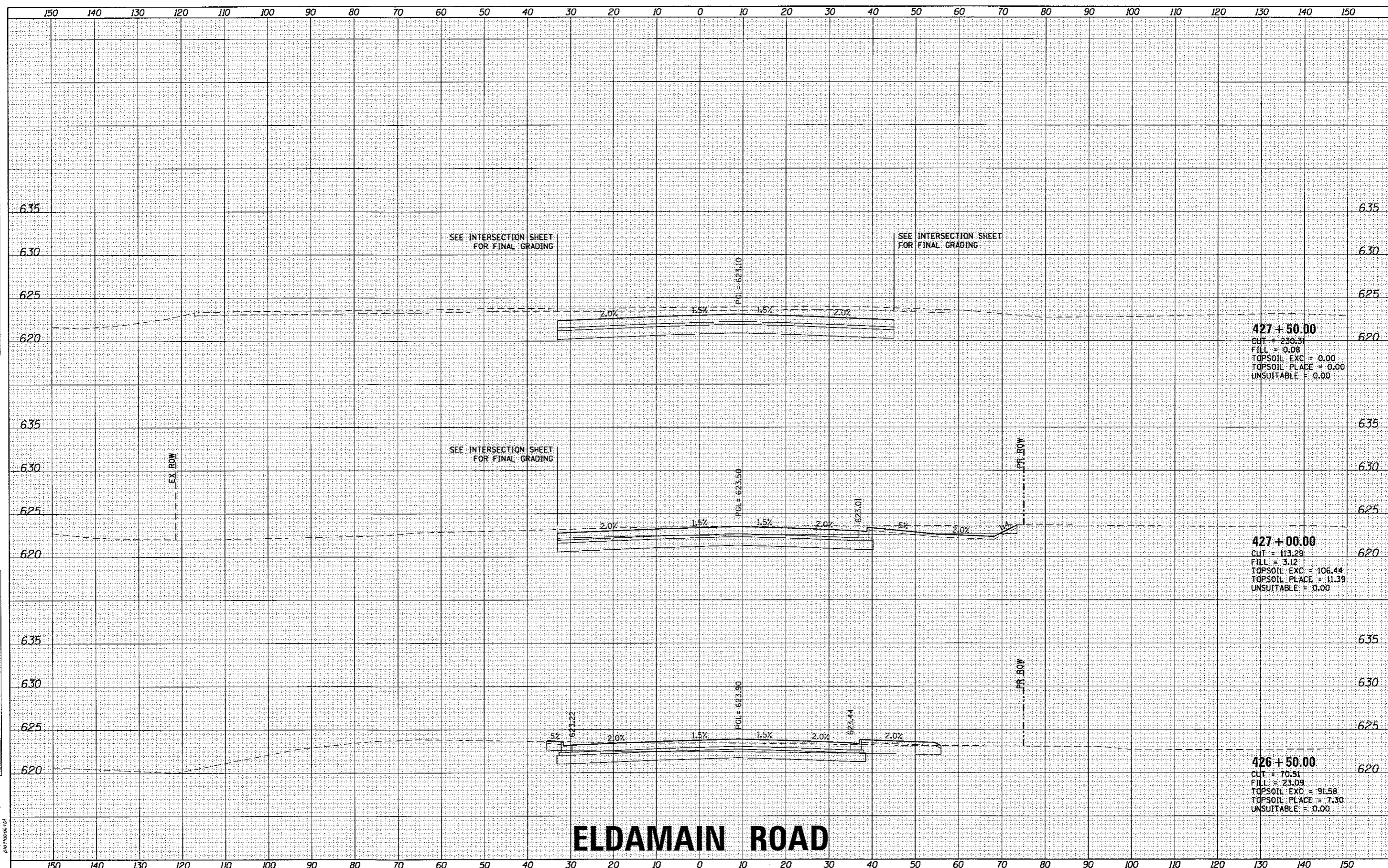
F.A.U. R.I.E.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	136
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO.	8766
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DATE	
BY	
APPROVED	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

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

HRG PROJECT NO. 16-00136
 HRG PROJ. CONTACT: JBA, x5310, jba@hrgreen.com
 FILE NAME: 16-00136-00-RP.dwg
 PLOT DRIVER: jba@hrgreen.com
 PEN TABLE:



ELDMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
ELDMAIN ROAD



USER NAME = rbest	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 5/15/2017	DATE - 5/15/17	REVISED -

DESIGNED - APS	REVISED -
DRAWN - RCB	REVISED -
CHECKED -	REVISED -
DATE - 5/15/17	REVISED -

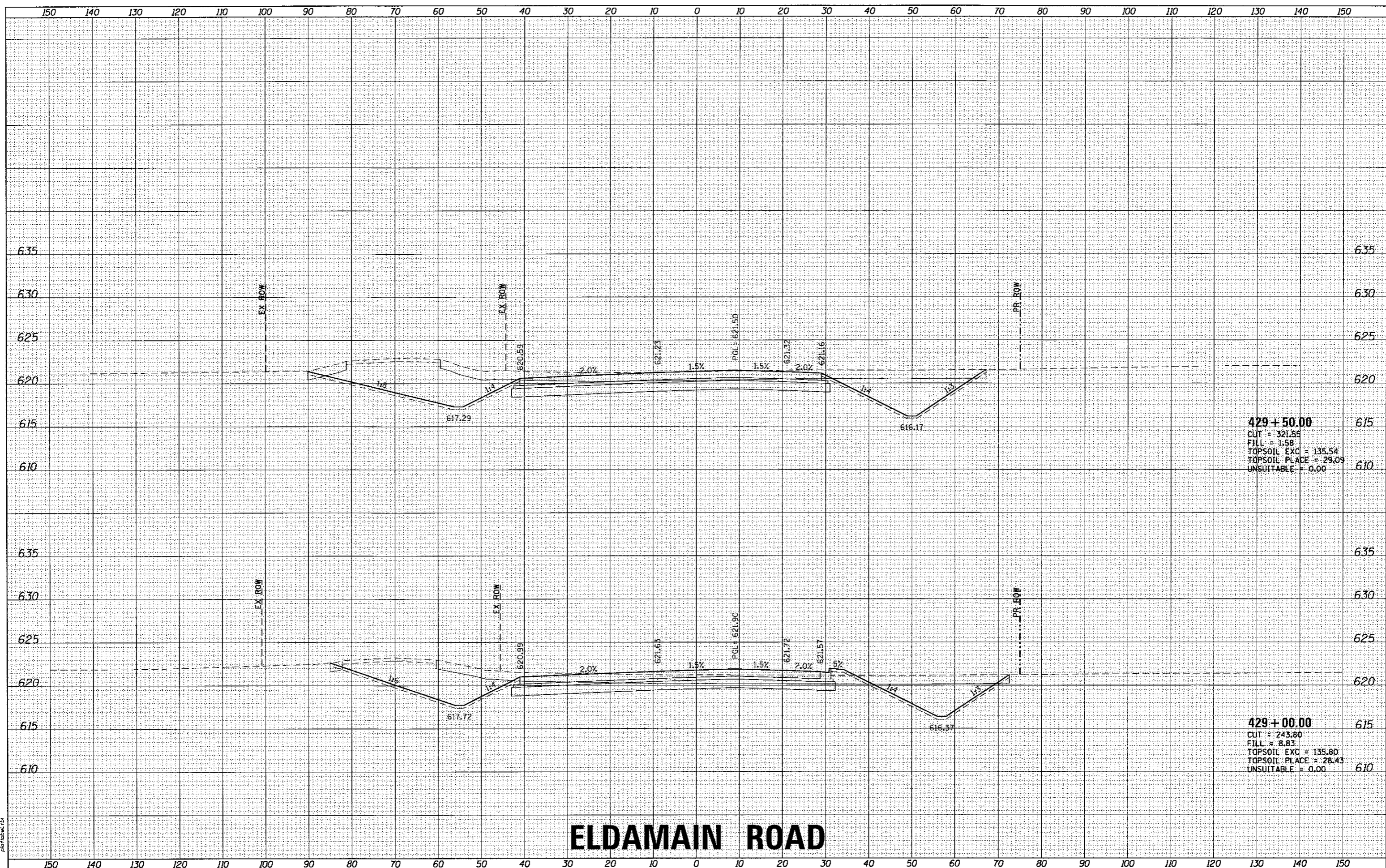
SCALE:	SHEET NO.	OF	SHEETS	STA. 426+50.00 TO STA. 427+50.00
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F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	137
FED. ROAD DIST. NO.	[ILLINOIS] FED. AID PROJECT		CONTRACT NO. 87666	

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

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

HRG PROJECT NO. 16/103/16
 HRG PROJ. CONTACT: 361A West 10th, Eldamain, IA
 FILE NAME: 16-00136-00-RP-CROSS-SECTION-1.dwg
 PLOT DRIVER: plot_driver.plt
 PLOT TABLE: plot_driver.tbl



ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
 ELDAMAIN ROAD

USER NAME = rbest	DESIGNED - APS	REVISED -
PLLOT SCALE =	DRAWN - RCB	REVISED -
PLLOT DATE = 5/15/2017	CHECKED -	REVISED -
	DATE - 5/15/17	REVISED -

SCALE:	SHEET NO. OF SHEETS	STA. 429+00.00 TO STA. 429+50.00
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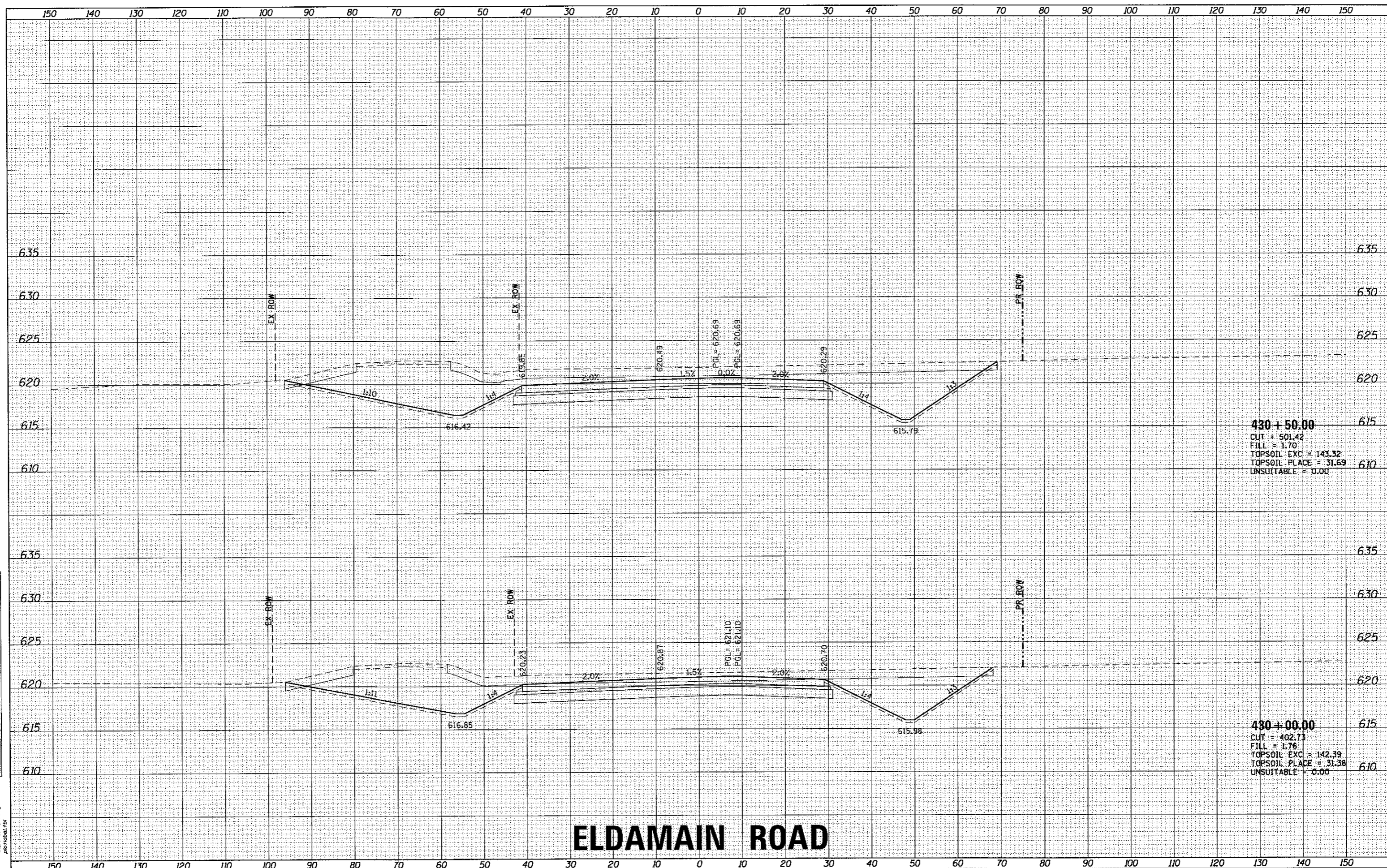
F.A.U. RTE. 4000	SECTION NO. 16-00136-00-RP	COUNTY KENDALL	TOTAL SHEETS 237	SHEET NO. 139
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT CONTRACT NO. 87666	

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 #104-001322

DATE	
BY	
FINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

HRG PROJECT NO. 16-00136
 HRG PROJ. CONTACT: 389A_XASR104.eldmain.dgn
 FILE NAME: 16_00136-00-RP.dwg
 PLOT DRIVER: plottbl1.tbl
 PEN TABLE:



430+50.00
 CUT = 501.42
 FILL = 1.70
 TOPSOIL EXC = 143.32
 TOPSOIL PLACE = 31.59
 UNSUITABLE = 0.00

430+00.00
 CUT = 402.73
 FILL = 1.76
 TOPSOIL EXC = 142.39
 TOPSOIL PLACE = 31.38
 UNSUITABLE = 0.00

ELDMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
 ELDMAIN ROAD

HRGreen.com Illinois Professional Design Firm #194-091322	USER NAME = rbest	DESIGNED - APS	REVISED -
	PLOT SCALE =	DRAWN - RCB	REVISED -
	PLOT DATE = 5/15/2017	CHECKED -	REVISED -
		DATE - 5/15/17	REVISED -

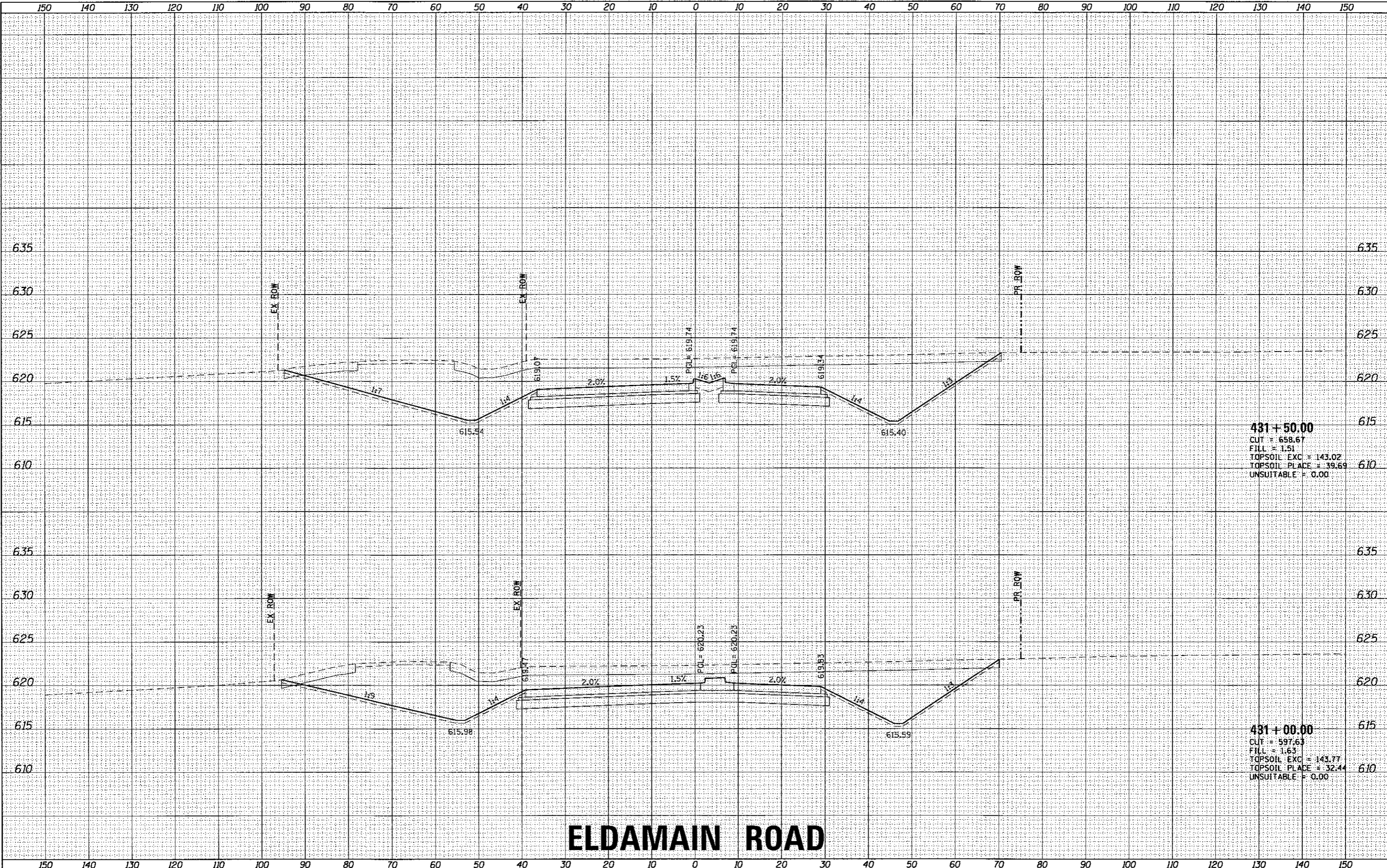
SCALE:	SHEET NO.	OF SHEETS	STA. 430+00.00 TO STA. 430+50.00
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F.A.U. RITE 4000	SECTION NO. 16-00136-00-RP	COUNTY KENDALL	TOTAL SHEETS 237	SHEET NO. 140
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 87666				

DATE	
BY	
CONVERTED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
CONVERTED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

HRG PROJECT NO. 16
 HRG PROJ. CONTACT
 FILE NAME: 16_00136_00-RP_141.dwg
 PLOT DRIVER: plot_driver.plt
 PLOT TABLE: plot_driver.tbl



431 + 50.00
 CUT = 658.67
 FILL = 1.51
 TOPSOIL EXC = 143.02
 TOPSOIL PLACE = 39.69
 UNSUITABLE = 0.00

431 + 00.00
 CUT = 597.63
 FILL = 1.63
 TOPSOIL EXC = 143.77
 TOPSOIL PLACE = 32.44
 UNSUITABLE = 0.00

ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
 ELDAMAIN ROAD

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 #184-001322

USER NAME = rbest	DESIGNED - APS	REVISED -
PLDT SCALE =	DRAWN - RCB	REVISED -
PLDT DATE = 5/15/2017	CHECKED -	REVISED -
	DATE - 5/15/17	REVISED -

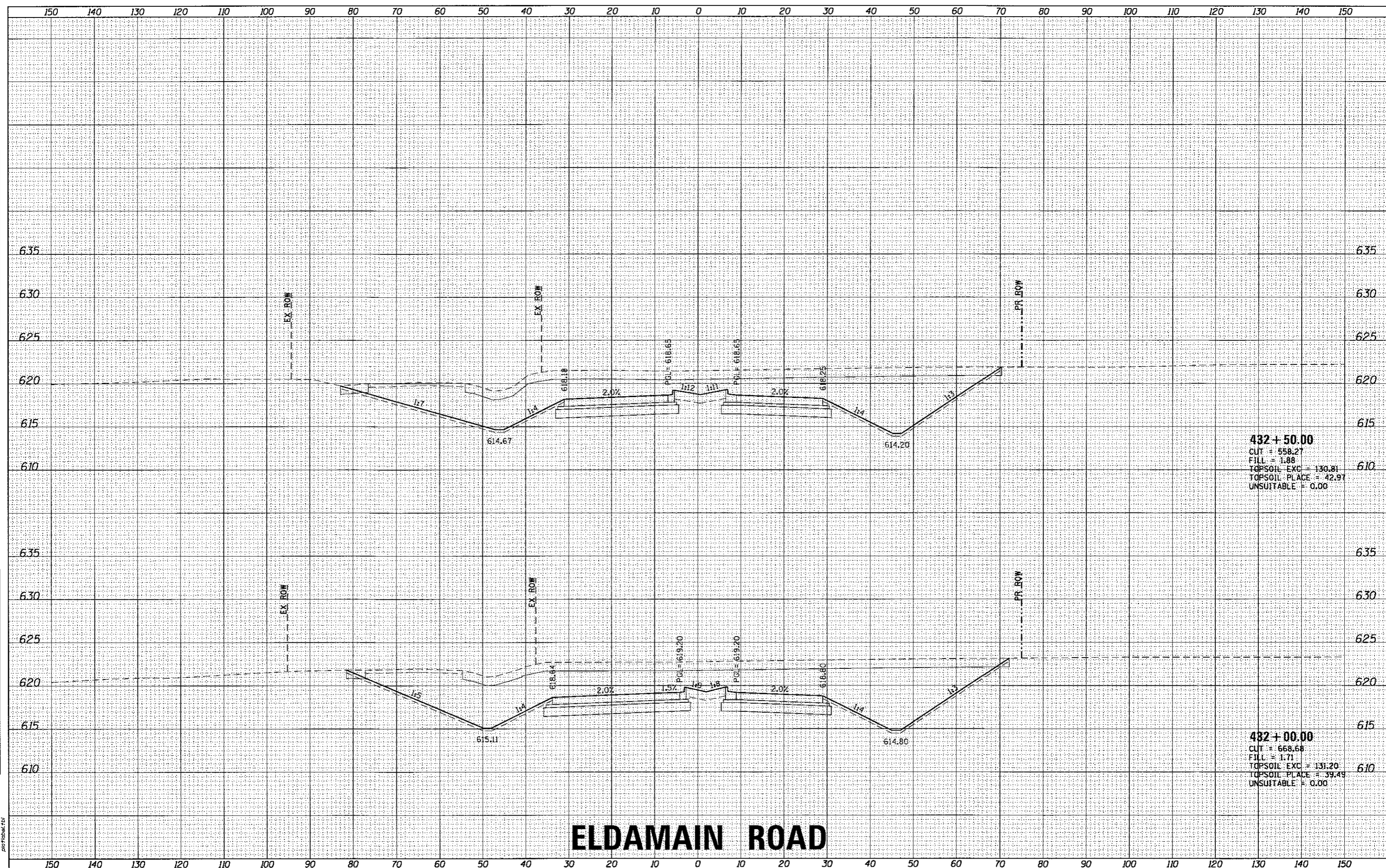
SCALE:	SHEET NO.	OF	SHEETS	STA. 431+00.00	TO STA. 431+50.00
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F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	141
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 87666				

FINAL SURVEY	BY	DATE
CHECKED		
PLotted		
TEMPLATE		
AREAS		
CHECKED		

ORIGINAL SURVEY	BY	DATE
CHECKED		
PLotted		
TEMPLATE		
AREAS		
CHECKED		

HRG PROJECT NO.1
 HRG PROJ. CONTACT
 FILE NAME: 391A_kasht10_eldmain.dgn
 PLOT DRIVER: i_plot.dwgpcr7g
 PEN TABLE: plottbl.tbl



432 + 50.00
 CUT = 558.27
 FILL = 1.88
 TOPSOIL EXC = 130.81
 TOPSOIL PLACE = 42.97
 UNSUITABLE = 0.00

432 + 00.00
 CUT = 668.68
 FILL = 1.71
 TOPSOIL EXC = 131.20
 TOPSOIL PLACE = 39.49
 UNSUITABLE = 0.00

ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
 ELDAMAIN ROAD

USER NAME = rbest	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
	CHECKED -	REVISED -
	DATE - 5/15/17	REVISED -
PLOT SCALE =		
PLOT DATE = 5/15/2017		

SCALE:	SHEET NO.	OF	SHEET'S	STA. 432+00.00	TO	STA. 432+50.00
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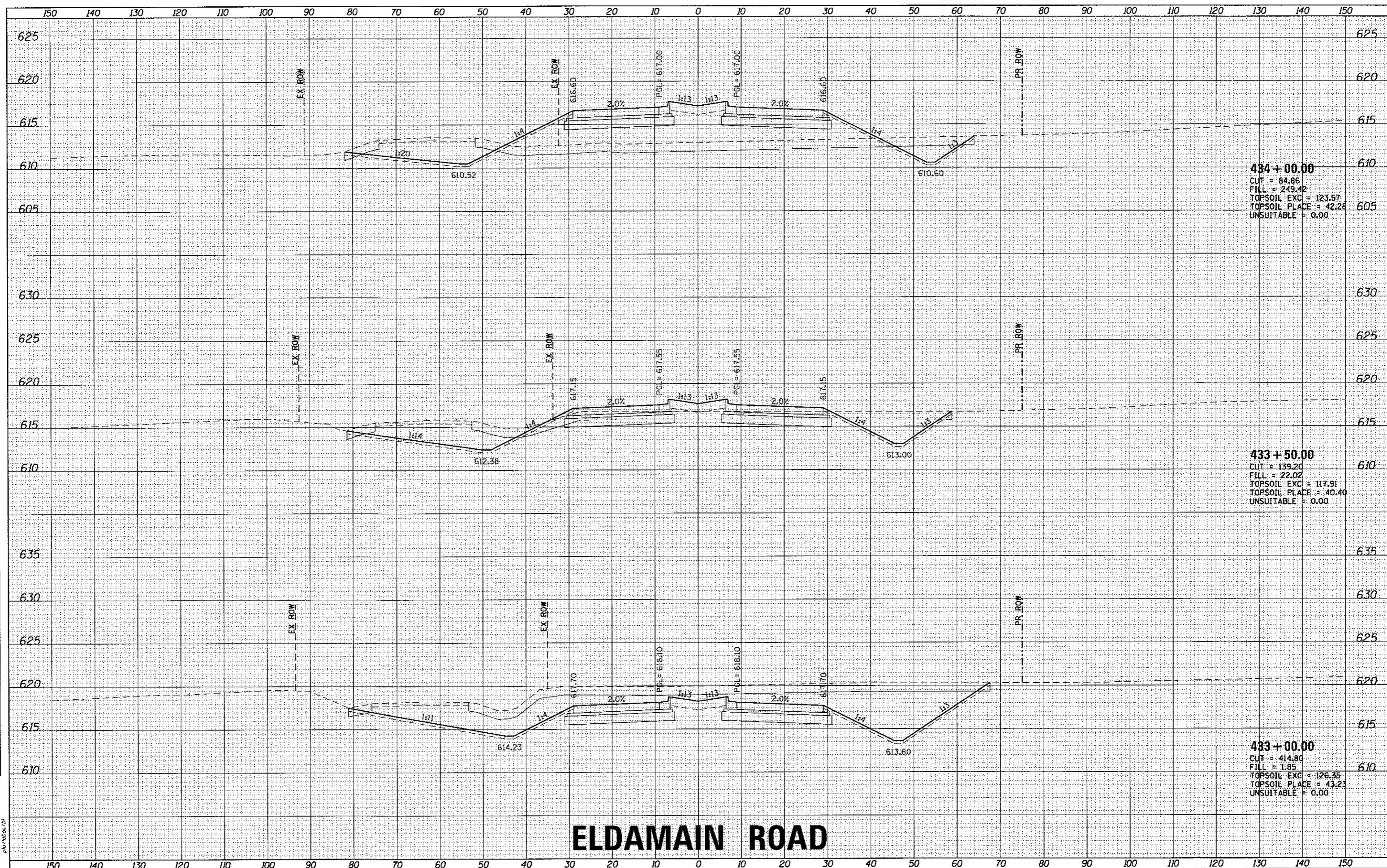
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	142
CONTRACT NO. 87666				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



FINAL SURVEY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

ORIGINAL SURVEY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

HRG PROJECT NO. 1
 HRG PROJ. CONTACT
 FILE NAME: 3811_xes1101_eldmain.dgn
 PLOT DRIVER: L:\pdr_bwp1c7g
 PEN TABLE: pdrtable.tbl



ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

**CROSS SECTIONS
ELDAMAIN ROAD**



USER NAME = rbeat	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
	CHECKED -	REVISED -
	DATE - 5/15/17	REVISED -
PLOT SCALE =		
PLOT DATE = 5/15/2017		

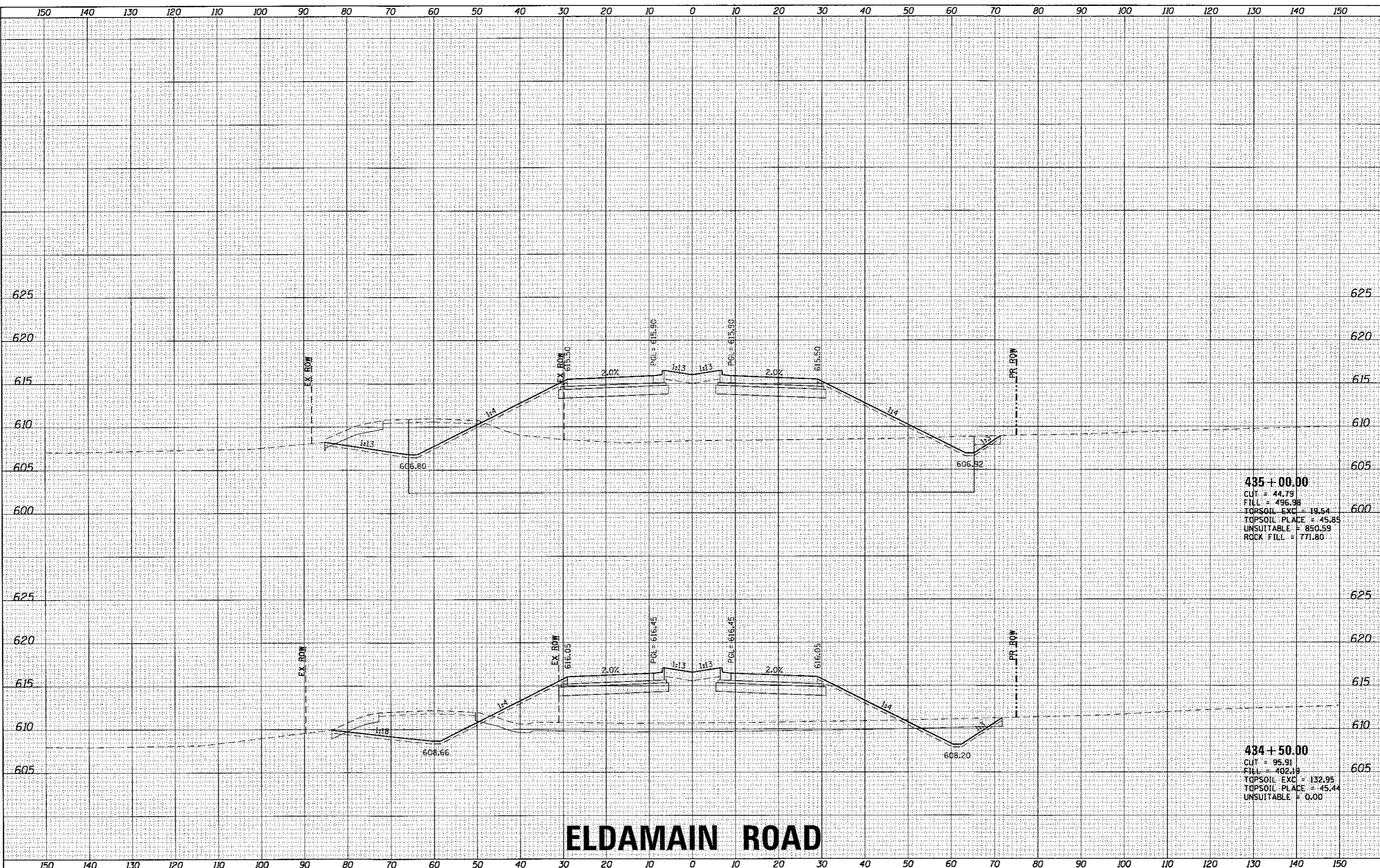
SCALE:	SHEET NO.	OF SHEETS	STA. 433+00.00 TO STA. 434+00.00
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F.A.L. RTE. 4000	SECTION NO. 16-00136-00-RP	COUNTY KENDALL	TOTAL SHEETS 237	SHEET NO. 143
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 87666	

DATE	
BY	
FINAL SURVEY	
NOTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
NOTED	
NOTE BOOK	
AREAS CHECKED	

HRG PROJECT NO: 16-00136
 HRG PROJ. CONTACT: JBA_xsh+04_eldmain.dgn
 FILE NAME: il_per_bwp1c1g
 PLOT DRIVER: p1r1tbl.rtl
 PEN TABLE:



435 + 00.00
 CUT = 44.79
 FILL = 496.98
 TOPSOIL EXC = 19.54
 TOPSOIL PLACE = 45.85
 UNSUITABLE = 850.59
 ROCK FILL = 771.80

434 + 50.00
 CUT = 95.91
 FILL = 402.19
 TOPSOIL EXC = 132.95
 TOPSOIL PLACE = 45.44
 UNSUITABLE = 0.00

ELDMAIN ROAD

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USER NAME = rbest	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 5/15/2017	DATE - 5/15/17	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
 ELDMAIN ROAD

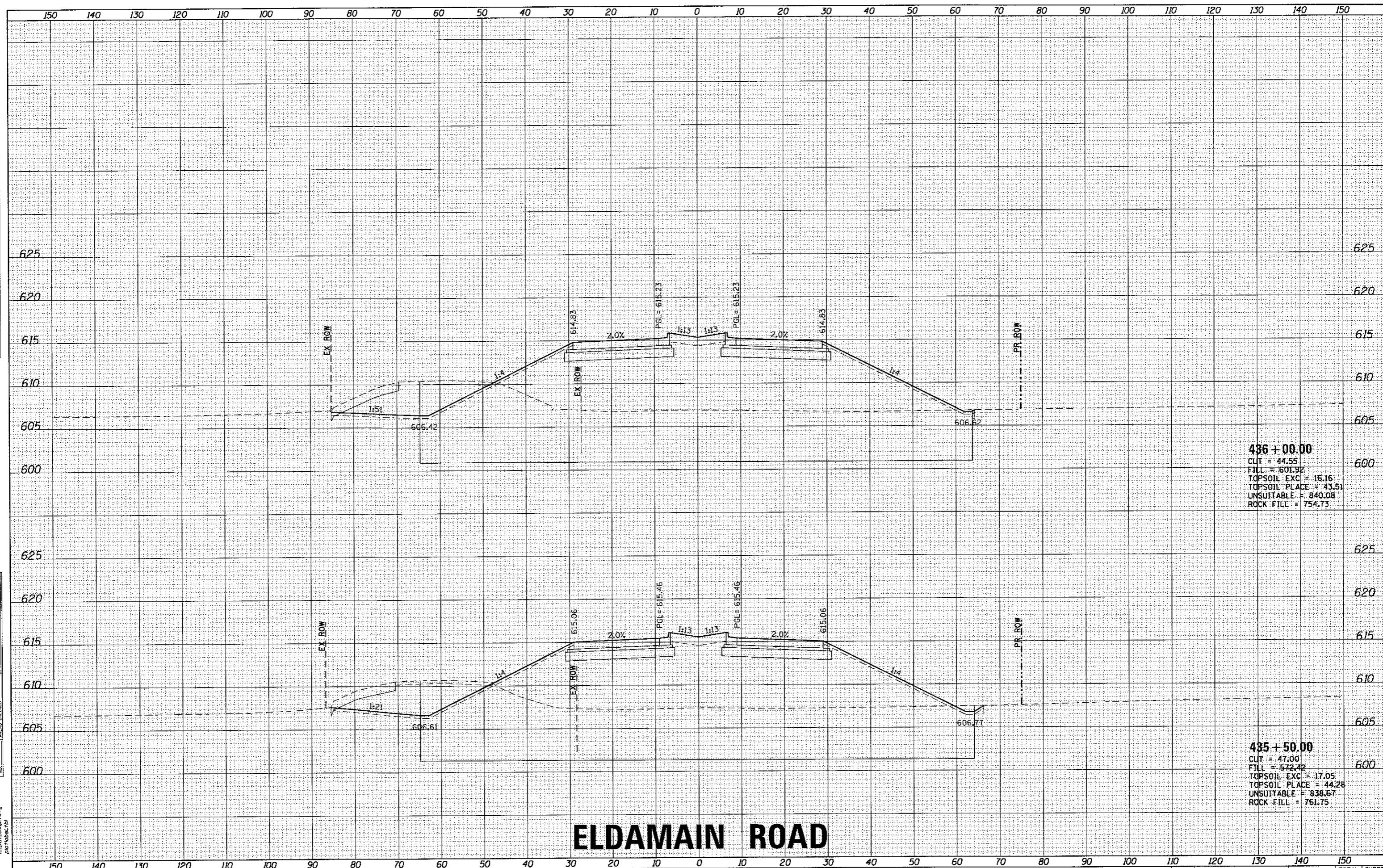
SCALE: SHEET NO. OF SHEETS STA. 434+50.00 TO STA. 435+00.00

F.A.U. RTE. 4000	SECTION NO. 16-00136-00-RP	COUNTY KENDALL	TOTAL SHEETS 237	SHEET NO. 144
CONTRACT NO. 87666				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

FINAL SURVEY NO.	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

ORIGINAL SURVEY NO.	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

HRG PROJECT NO. 889038P
 HRG PROJ CONTACT 394.XSH/OL.eldmain.dgn
 FILE NAME il_def.dwg/rlc/g
 PLOT DRIVER plottbltbl.tbl
 PEN TABLE:



436 + 00.00
 CUT = 44.55
 FILL = 601.92
 TOPSOIL EXC = 16.16
 TOPSOIL PLACE = 43.51
 UNSUITABLE = 840.08
 ROCK FILL = 754.73

435 + 50.00
 CUT = 47.00
 FILL = 572.42
 TOPSOIL EXC = 17.05
 TOPSOIL PLACE = 44.28
 UNSUITABLE = 838.67
 ROCK FILL = 761.75

ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
ELDAMAIN ROAD



USER NAME = r-beat	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 5/15/2017	DATE - 5/15/17	REVISED -

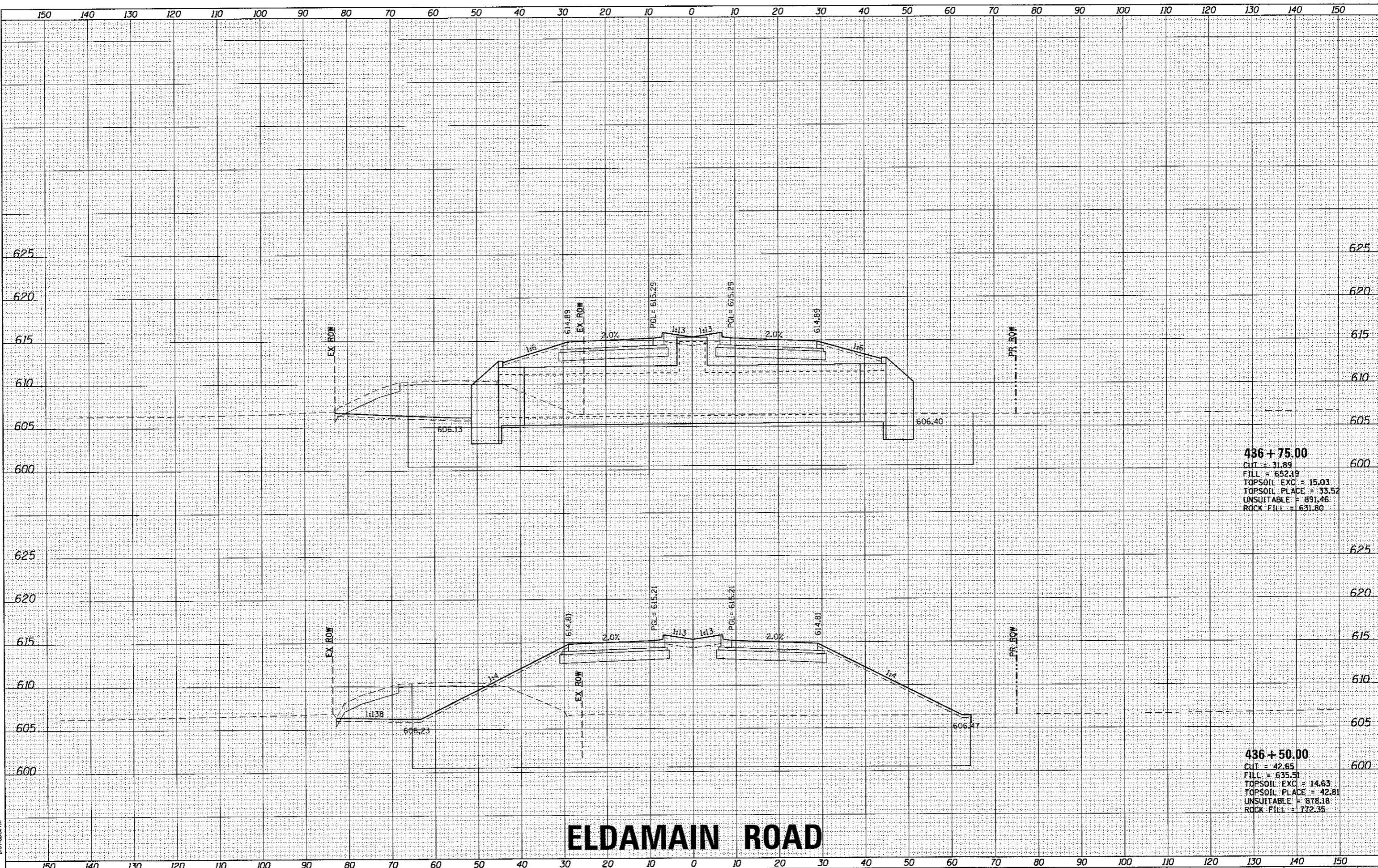
SCALE:	SHEET NO. OF SHEETS	STA. 435+50.00 TO STA. 436+00.00
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F.A.U. RTE. 4000	SECTION NO. 16-00136-00-RP	COUNTY KENDALL	TOTAL SHEETS 237	SHEET NO. 145
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 87666	

DATE	
BY	
SURVEYED	
PLOTTED	
FILE NAME	
PLOT DRIVER	
PEN TABLE	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
FILE NAME	
PLOT DRIVER	
PEN TABLE	
NO.	

HRC PROJECT NO. 6803038
 HRC PROJ CONTACT: 384_xshhd1.eldmain.dwg
 FILE NAME: 16_001.dwg
 PLOT DRIVER: plottbl.tbl
 PEN TABLE:



436 + 75.00
 CUT = 31.89
 FILL = 552.19
 TOPSOIL EXC = 15.03
 TOPSOIL PLACE = 33.52
 UNSUITABLE = 891.46
 ROCK FILL = 631.80

436 + 50.00
 CUT = 42.65
 FILL = 635.51
 TOPSOIL EXC = 14.63
 TOPSOIL PLACE = 42.81
 UNSUITABLE = 878.18
 ROCK FILL = 772.35

ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

USER NAME = rbest	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 5/15/2017	DATE - 5/15/17	REVISED -

CROSS SECTIONS		ELDAMAIN ROAD	
SCALE:	SHEET NO.	OF SHEETS	STA. 436+50.00 TO STA. 436+75.00

F.A.I. RTE. 4000	SECTION NO. 16-00136-00-RP	COUNTY KENDALL	TOTAL SHEETS 237	SHEET NO. 146
FED. ROAD DIST. NO. ILLINOIS			CONTRACT NO. 87666	

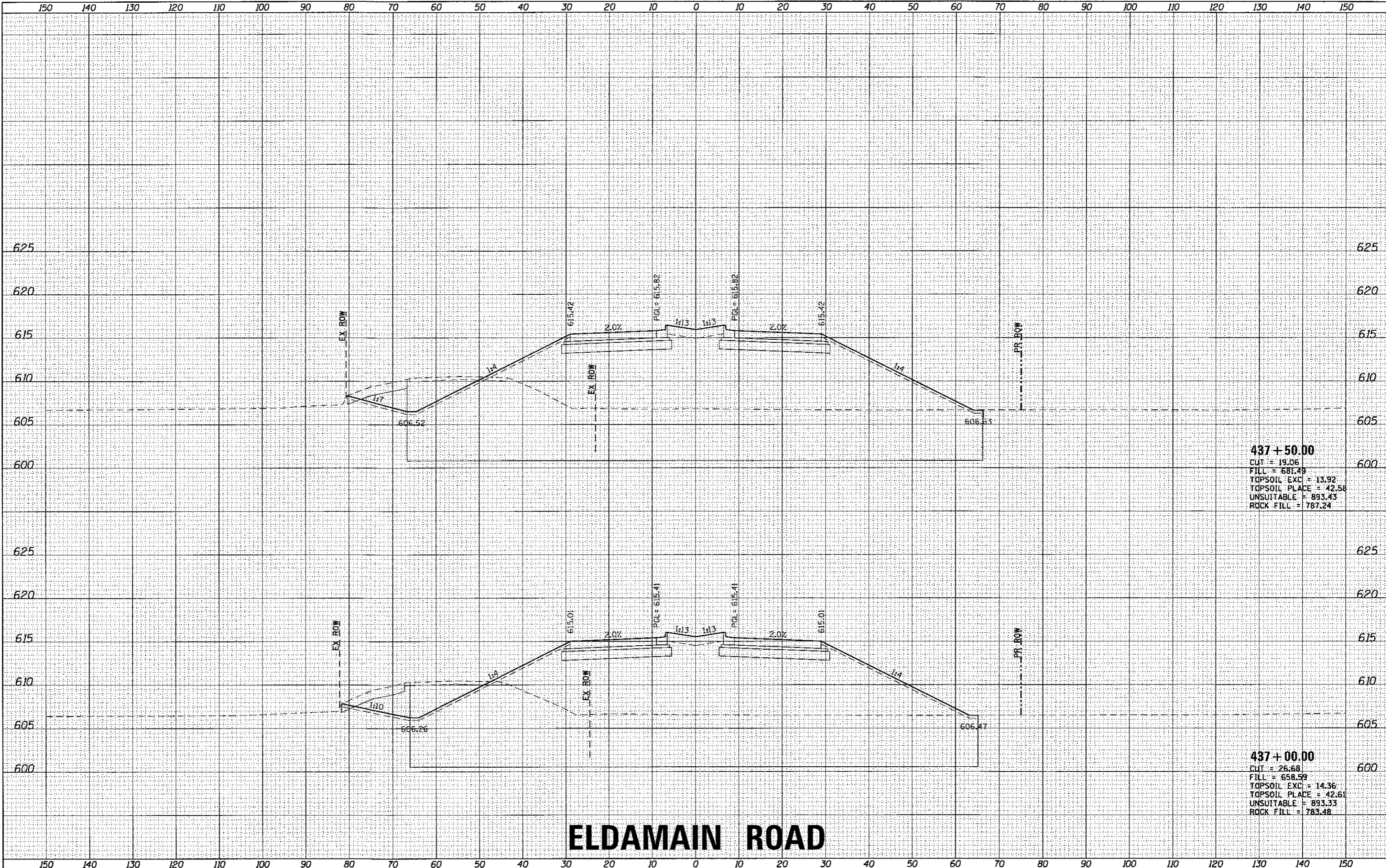


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 Illinois Professional Design Firm
 P 184-001922

DATE	
BY	
FINAL SURVEY	
SURVEYED	
NOTED	
NO. OF	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
NOTED	
NO. OF	
AREAS CHECKED	

HRG PROJECT NO. 16-00136-00-01
 HRG PROJ. CONTACT: JBA, xasha@eldmain.ohg
 FILE NAME: ELDMAIN.dwg
 PLOT DRIVER: i_def_bupltsrfg
 PEN TABLE: plottbl.tbl



437 + 50.00
 CUT = 19.06
 FILL = 681.49
 TOPSOIL EXC = 13.92
 TOPSOIL PLACE = 42.58
 UNSUITABLE = 893.43
 ROCK FILL = 787.24

437 + 00.00
 CUT = 26.68
 FILL = 658.59
 TOPSOIL EXC = 14.36
 TOPSOIL PLACE = 42.61
 UNSUITABLE = 893.33
 ROCK FILL = 783.48

ELDMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
 ELDMAIN ROAD



USER NAME = rbest	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 5/15/2017	DATE - 5/15/17	REVISED -

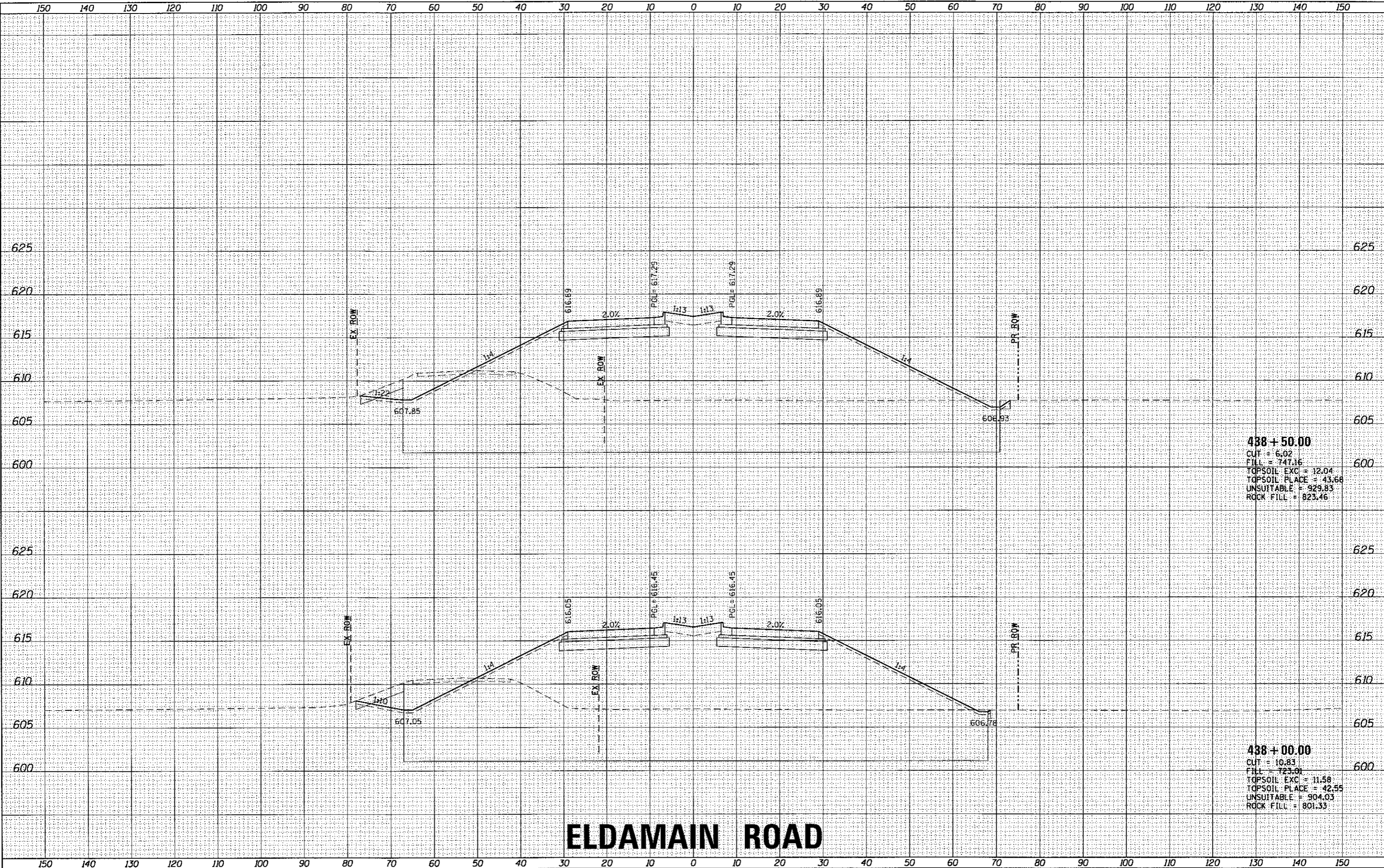
SCALE:	SHEET NO.	OF SHEETS	STA. 437+00.00 TO STA. 437+50.00
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F.A.U. RTE. 4000	SECTION NO. 16-00136-00-RP	COUNTY KENDALL	TOTAL SHEETS 237	SHEET NO. 147
CONTRACT NO. 87666				

DATE	
BY	
NO.	
AREAS CHECKED	
TEMPLATE	
NOTE BOOK	
SURVEY	
PROJ. CONTACT	
FILE NAME	
PLT. DRIVER	
PEN TABLE	

DATE	
BY	
NO.	
AREAS CHECKED	
TEMPLATE	
NOTE BOOK	
SURVEY	
PROJ. CONTACT	
FILE NAME	
PLT. DRIVER	
PEN TABLE	

HRG PROJECT NO.: 8830381
 HRG PROJ. CONTACT: JBA_LXSR102_eldmain_rgp
 FILE NAME: E_167_bwp1017g
 PLT. DRIVER: Joe Pickett
 PEN TABLE:



488 + 50.00
 CUT = 6.02
 FILL = 747.16
 TOPSOIL EXC = 12.04
 TOPSOIL PLACE = 43.68
 UNSUITABLE = 929.83
 ROCK FILL = 823.46

488 + 00.00
 CUT = 10.83
 FILL = 723.01
 TOPSOIL EXC = 11.58
 TOPSOIL PLACE = 42.55
 UNSUITABLE = 904.03
 ROCK FILL = 801.33

ELDMAIN ROAD



USER NAME =	r-best
DESIGNED -	APS
DRAWN -	RCB
CHECKED -	
DATE -	5/15/17
REVISIONS	
REVISED -	
REVISED -	
REVISED -	
REVISED -	

KENDALL COUNTY HIGHWAY DEPARTMENT

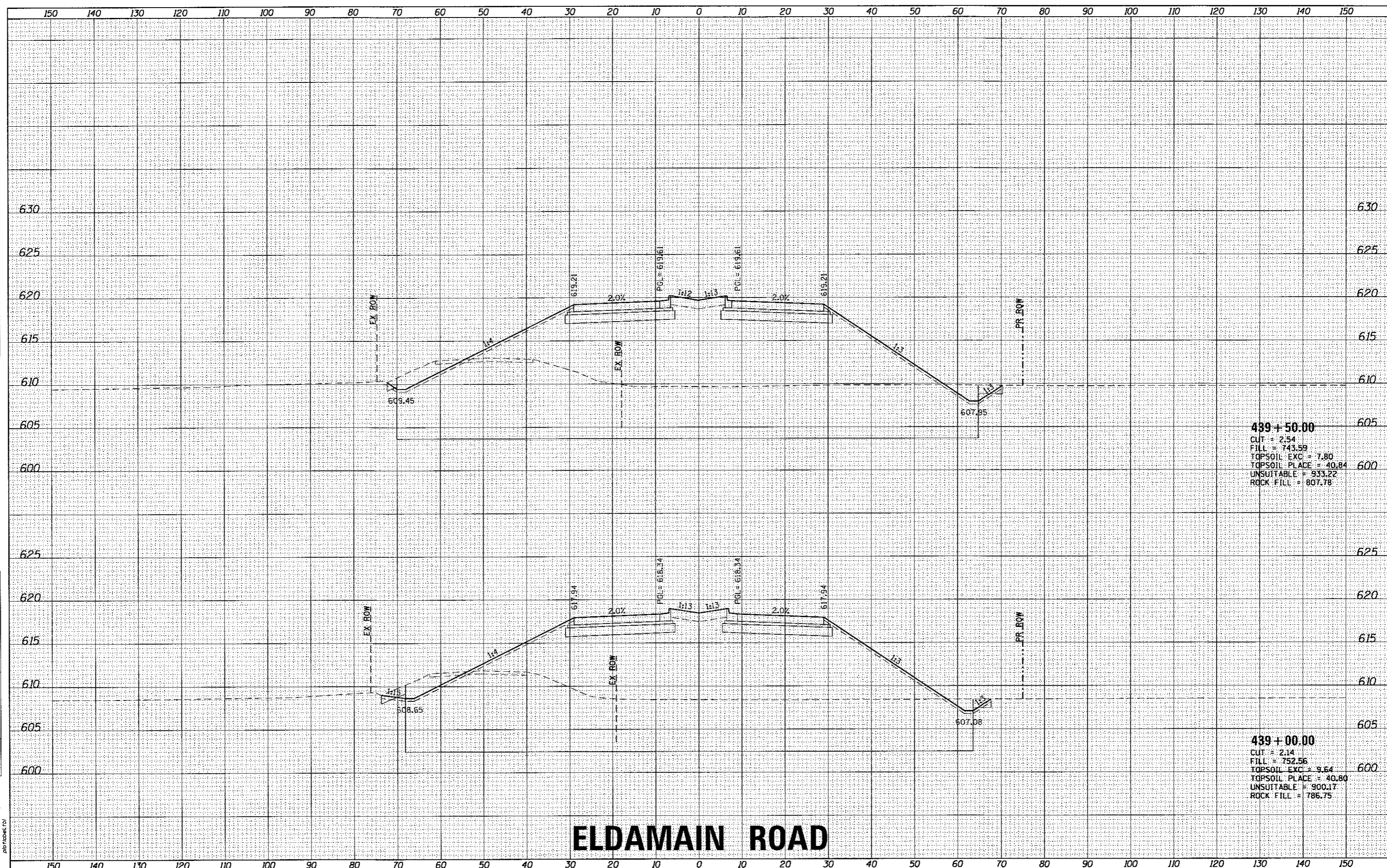
CROSS SECTIONS			
ELDMAIN ROAD			
SCALE:	SHEET NO.	OF SHEETS	STA. 438+00.00 TO STA. 438+50.00

F.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	148
FED. ROAD DIST. NO.				ILLINOIS FED. AID PROJECT
				CONTRACT NO. 87666

DATE	
BY	
REVIEWED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
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AREAS CHECKED	

DATE	
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PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS	
AREAS CHECKED	

HRC PROJECT NO. 893028F
 HRC PROJ. CONTACT: JBA_xasf704_eldmain.dgn
 FILE NAME: il_per_bu16c7g
 PLOT DRIVER: plottbl.tbl
 PEN TABLE:



439 + 50.00
 CUT = 2.54
 FILL = 743.59
 TOPSOIL EXC = 7.80
 TOPSOIL PLACE = 40.84
 UNSUITABLE = 933.22
 ROCK FILL = 807.78

439 + 00.00
 CUT = 2.14
 FILL = 752.56
 TOPSOIL EXC = 9.64
 TOPSOIL PLACE = 40.80
 UNSUITABLE = 900.17
 ROCK FILL = 786.75

ELDMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
ELDMAIN ROAD

USER NAME = rbest	DESIGNED - APS	REVISED -
PLLOT SCALE =	DRAWN - RCB	REVISED -
PLLOT DATE = 5/15/2017	CHECKED -	REVISED -
	DATE - 5/15/17	REVISED -

SCALE:	SHEET NO.	OF SHEETS	STA. 439+00.00 TO STA. 439+50.00
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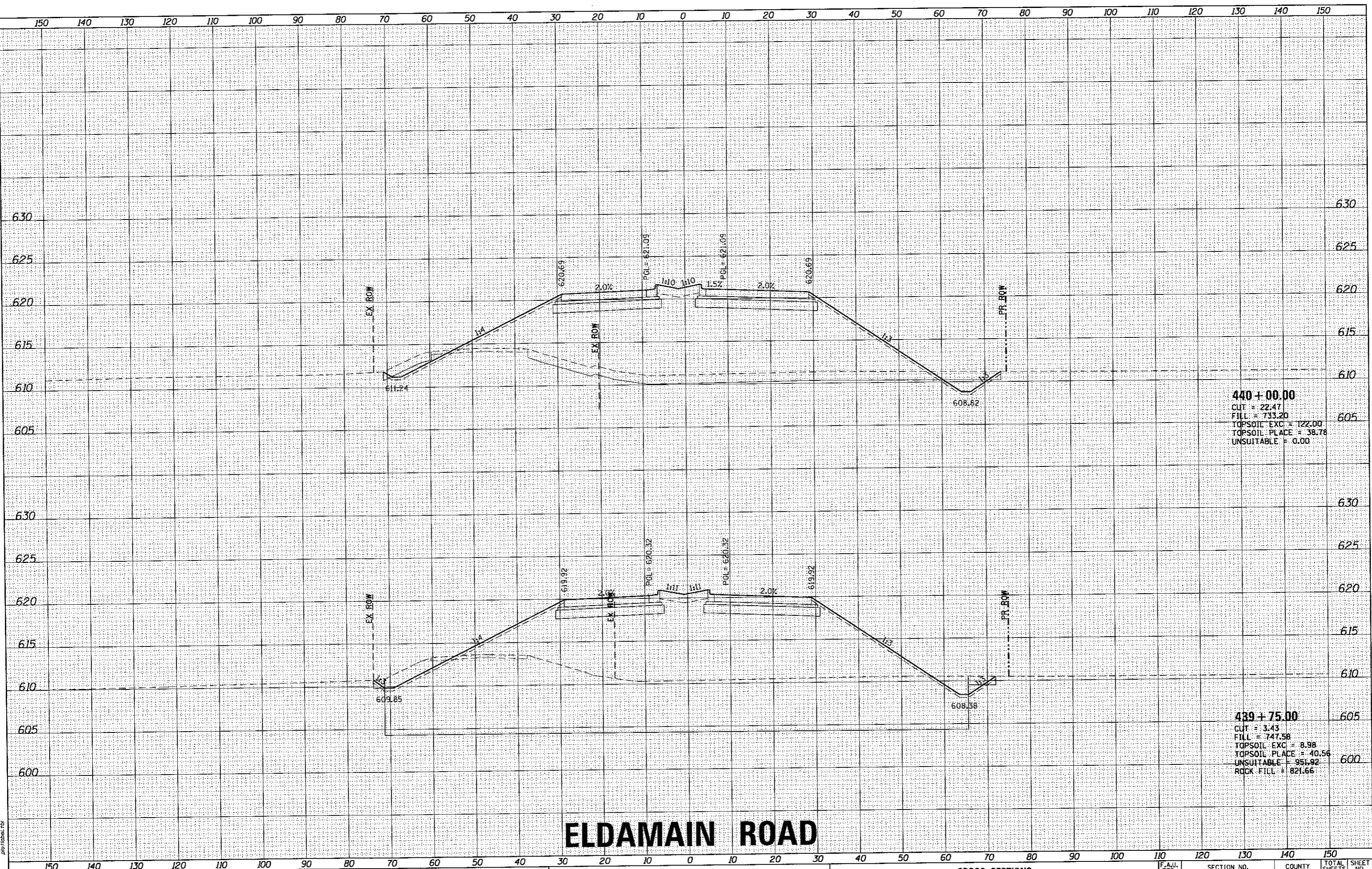
F.A.I. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	149
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 87666	



DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
NO.	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	
AREAS CHECKED	

HRG PROJECT NO. 1
 HRG PROJ. CONTACT
 FILE NAME
 PLOT DRIVER
 PEN TABLE



440 + 00.00

CUT	= 22.47
FILL	= 733.20
TOPSOIL EXC	= 122.00
TOPSOIL PLACE	= 38.78
UNSUITABLE	= 0.00

439 + 75.00

CUT	= 3.43
FILL	= 747.58
TOPSOIL EXC	= 8.98
TOPSOIL PLACE	= 40.56
UNSUITABLE	= 951.92
ROCK FILL	= 821.66

ELDMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
 ELDMAIN ROAD

USER NAME	= rbest	DESIGNED	- APS	REVISED	-
		DRAWN	- RCB	REVISED	-
		CHECKED	-	REVISED	-
		DATE	- 5/15/17	REVISED	-
PLOT SCALE	=				
PLOT DATE	= 5/15/2017				

SCALE:		SHEET NO.	OF	SHEETS	STA. 439+75.00	TO STA. 440+00.00
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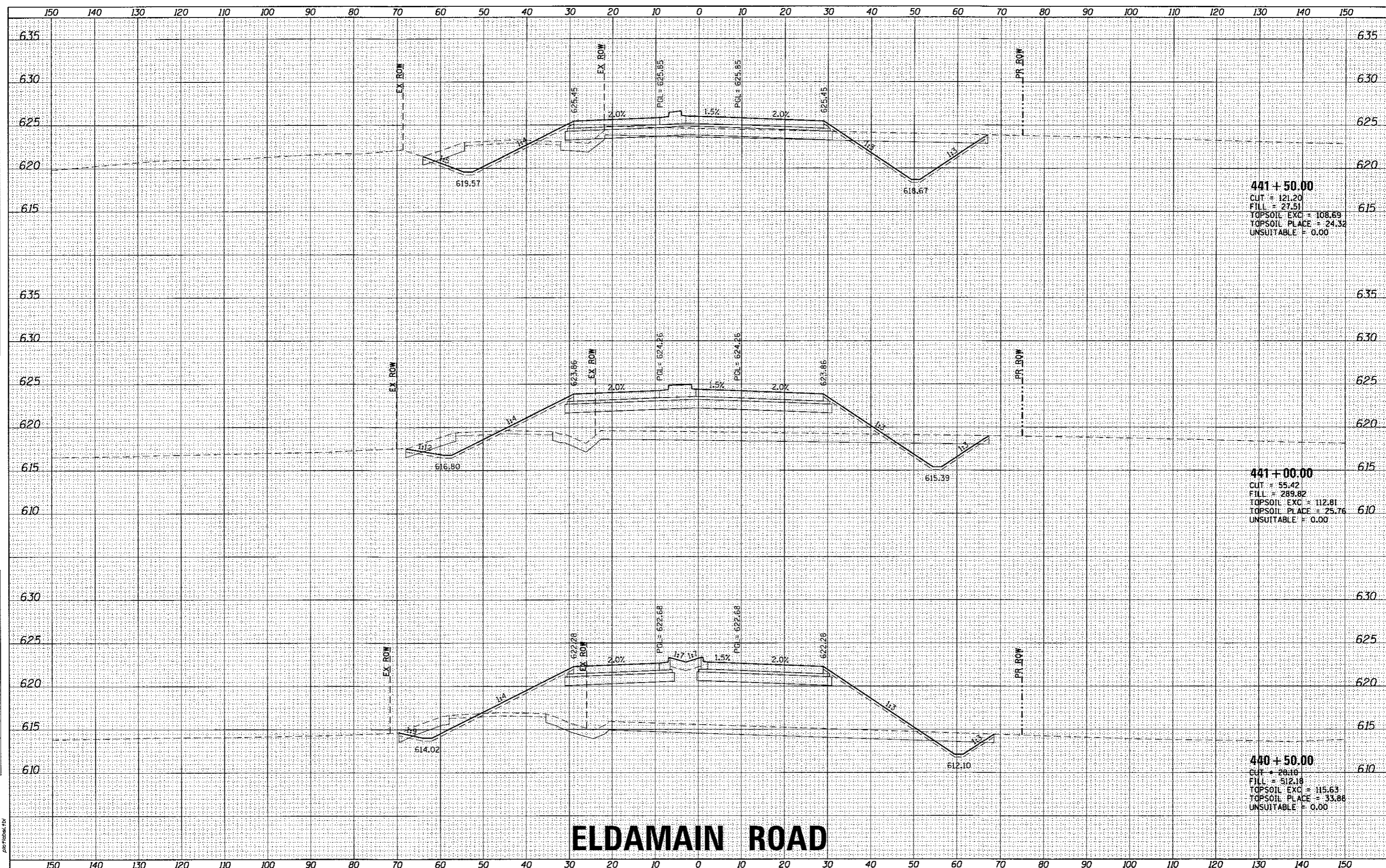
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	150
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 87666	



DATE	
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DATE	
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DRAWN	
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DATE	
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REVIEWED	
DESIGNED	
DRAWN	
CHECKED	
DATE	



ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
ELDAMAIN ROAD

USER NAME = rbest	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
	CHECKED -	REVISED -
DATE = 5/15/17	DATE - 5/15/17	REVISED -

SCALE:	SHEET NO.	OF	SHEETS	STA. 440+50.00 TO STA. 441+50.00
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F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	151
CONTRACT NO. 87666				

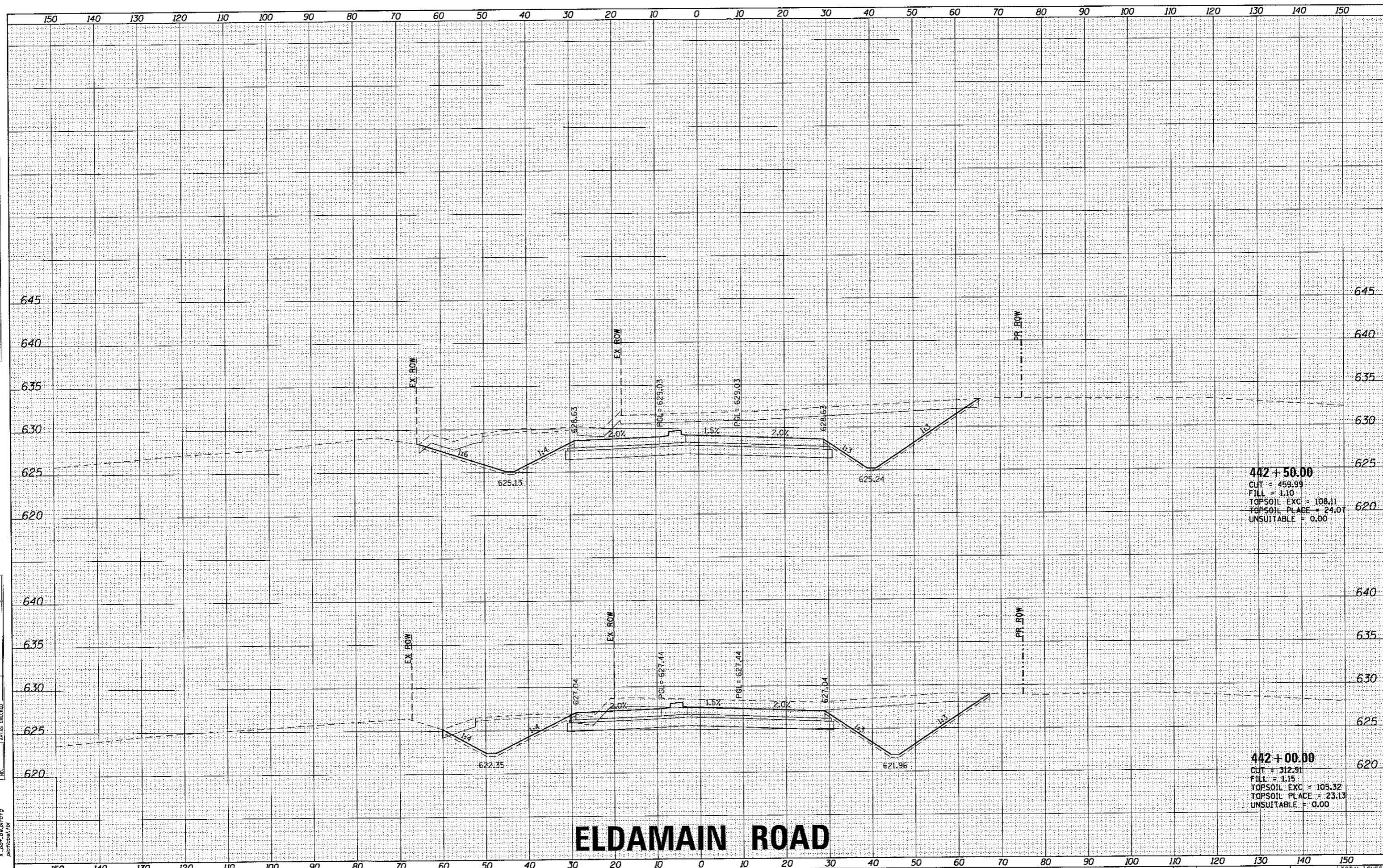
HRGreen.com
 Illinois Professional Design Firm
 # 184-001322

HR PROJECT NO. 184-001322
 HR PROJ. CONTACT: JBA...
 FILE NAME: ELDAMAIN...
 PLOT DRIVER: ...
 PLOT DATE: 5/15/2017

FINAL SURVEY	DATE
SURVEYED	BY
NOTE BOOK	NO.
AREAS CHECKED	

ORIGINAL SURVEY	DATE
SURVEYED	BY
NOTE BOOK	NO.
AREAS CHECKED	

HRG PROJECT NO.: 88303B
 HRG PROJ CONTACT: 384 wes@hrgreen.com
 PLOT DRIVER: il.pdf_wes@hrgreen.com
 PEN TABLE: p01tbl.tbl



442 + 50.00
 CUT = 459.99
 FILL = 1.10
 TOPSOIL EXC = 108.11
 TOPSOIL PLACE = 24.01
 UNSUITABLE = 0.00

442 + 00.00
 CUT = 312.91
 FILL = 1.15
 TOPSOIL EXC = 105.32
 TOPSOIL PLACE = 23.13
 UNSUITABLE = 0.00

ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
 ELDAMAIN ROAD



USER NAME = rbeat	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 5/15/2017	DATE - 5/15/17	REVISED -

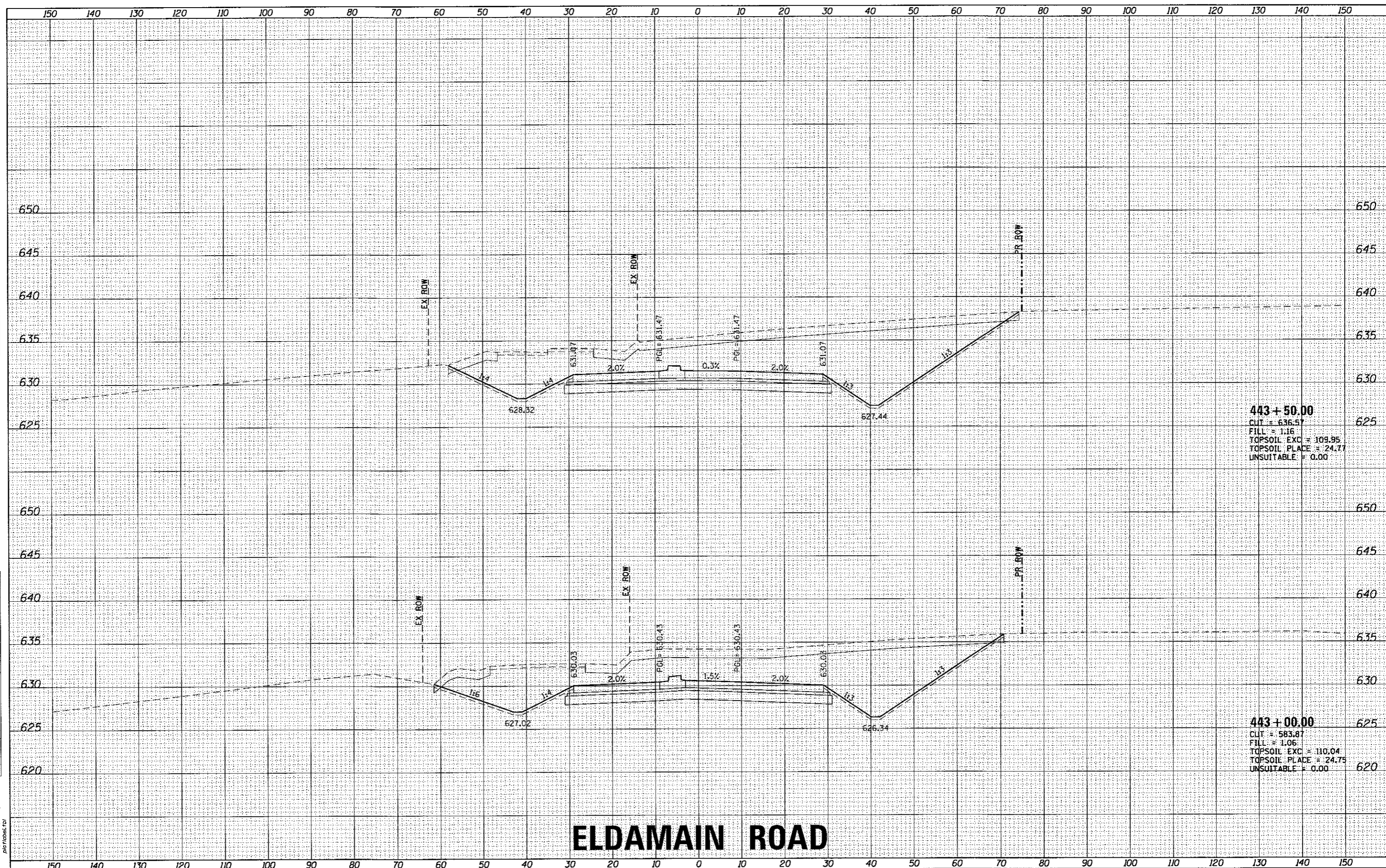
SCALE:	SHEET NO.	OF	SHEETS	STA. 442+00.00 TO STA. 442+50.00
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F.A.J. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	152
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 87666		

DATE	
BY	
REVIEWED	
SURVEY	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
FINAL	
NO.	

DATE	
BY	
REVIEWED	
SURVEY	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
ORIGINAL	
NO.	

HRG PROJECT NO. 16-00136-00-01
 HRG PROJ. CONTACT: JBA_xasr10.eldmain.dgn
 FILE NAME: 16-00136-00-01.dwg
 PLOT DRIVER: r_per_bvplc7g
 PEN TABLE: plottbl.tbl



443+50.00
 CUT = 636.57
 FILL = 1.16
 TOPSOIL EXC = 109.95
 TOPSOIL PLACE = 24.77
 UNSUITABLE = 0.00

443+00.00
 CUT = 583.87
 FILL = 1.06
 TOPSOIL EXC = 110.04
 TOPSOIL PLACE = 24.75
 UNSUITABLE = 0.00

ELDMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
 ELDMAIN ROAD

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#184-001322

USER NAME = rbest	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 5/15/2017	DATE - 5/15/17	REVISED -

DESIGNED - APS	REVISED -
DRAWN - RCB	REVISED -
CHECKED -	REVISED -
DATE - 5/15/17	REVISED -

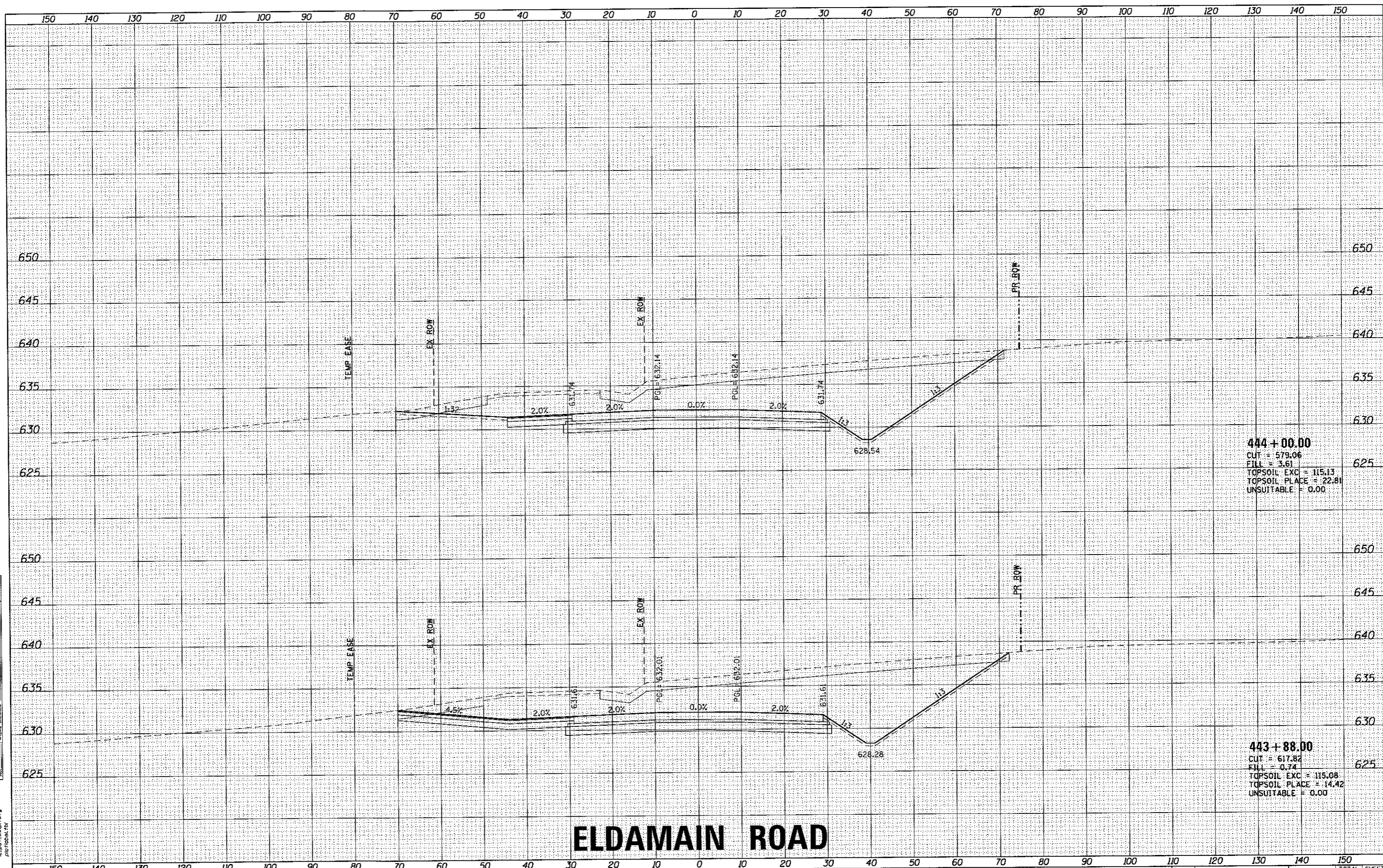
SCALE:	SHEET NO.	OF	SHEETS	STA. 443+00.00	TO	STA. 443+50.00
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FALL RITE	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	153
CONTRACT NO. 37666				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
AREAS CHECKED	TEMPERATURE	
	AREAS	
	CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
AREAS CHECKED	TEMPERATURE	
	AREAS	
	CHECKED	

HRG PROJECT NO.: 886303B
 HRG PROJ. CONTACT: 284.455@hr.com
 FILE NAME: L:\proj\dwg\hrct9
 PLOT DRIVER: pldtbl.tbl
 PEN TABLE:



444 + 00.00
 CUT = 579.06
 FILL = 3.61
 TOPSOIL EXC = 115.13
 TOPSOIL PLACE = 22.81
 UNSUITABLE = 0.00

443 + 88.00
 CUT = 617.82
 FILL = 0.74
 TOPSOIL EXC = 115.08
 TOPSOIL PLACE = 14.42
 UNSUITABLE = 0.00

ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
 ELDAMAIN ROAD

SCALE: SHEET NO. OF SHEETS STA. 443+88.00 TO STA. 444+00.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	154
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 87666		

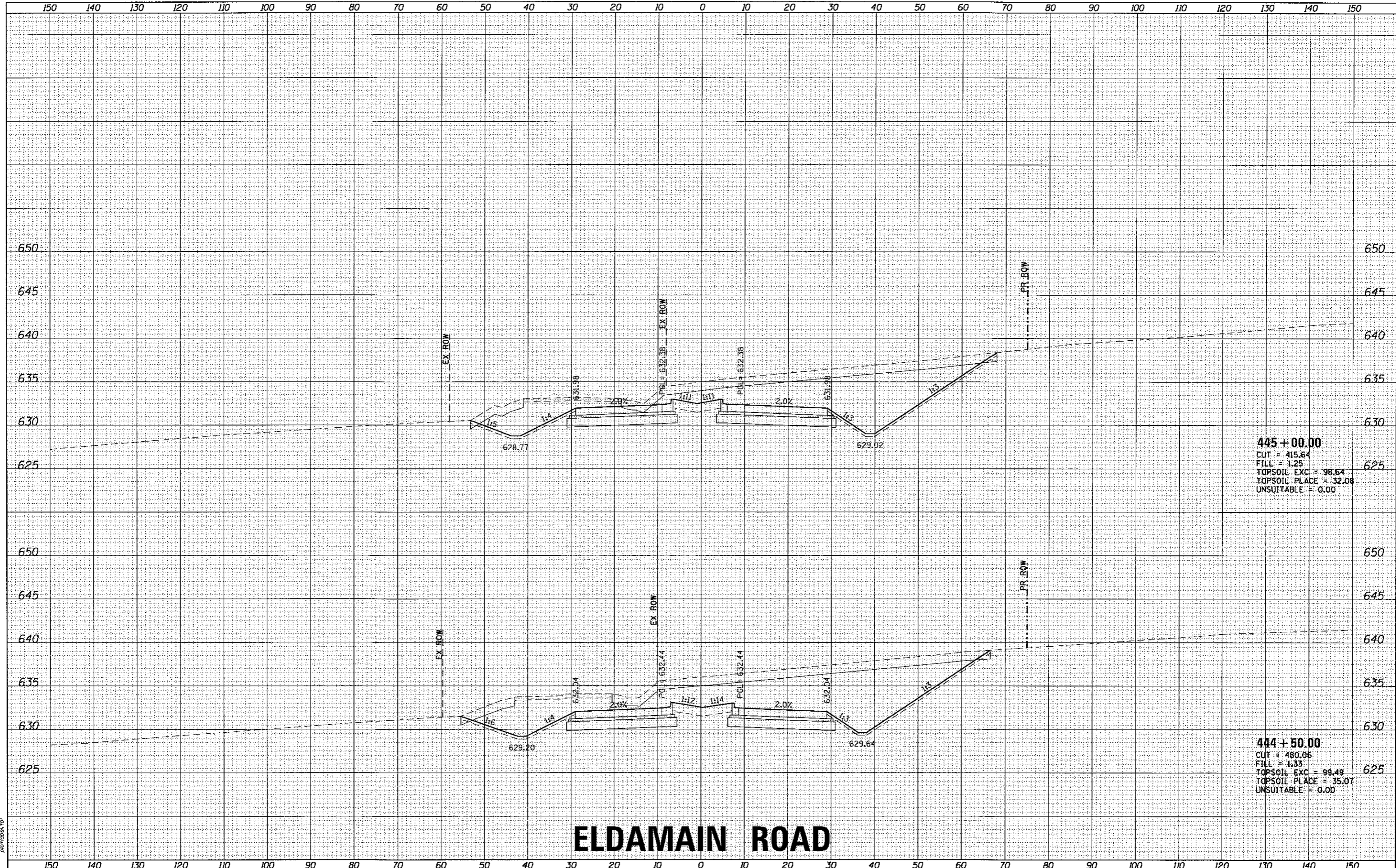
HRGreen.com
 Illinois Professional Design Firm
 # 184-001322

USER NAME = rbest	DESIGNED - APS	REVISED -
PLOT SCALE =	DRAWN - RCB	REVISED -
PLOT DATE = 5/15/2017	CHECKED -	REVISED -
	DATE - 5/15/17	REVISED -

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

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

HRG PROJECT NO. 16-00136
 HRG PROJ. CONTACT: JBA, kesh@hrgreen.com
 FILE NAME: 16-00136-00-RP.dwg
 PLOT NUMBER: 155
 PLOT LABEL:



445 + 00.00
 CUT = 415.64
 FILL = 1.25
 TOPSOIL EXC = 98.64
 TOPSOIL PLACE = 32.08
 UNSUITABLE = 0.00

444 + 50.00
 CUT = 480.06
 FILL = 1.33
 TOPSOIL EXC = 99.49
 TOPSOIL PLACE = 35.07
 UNSUITABLE = 0.00

ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
 ELDAMAIN ROAD

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 #164-001322

USER NAME = rbest	DESIGNED - APS	REVISED -
PLOT SCALE =	DRAWN - RCB	REVISED -
PLOT DATE = 5/15/2017	CHECKED -	REVISED -
	DATE - 5/15/17	REVISED -

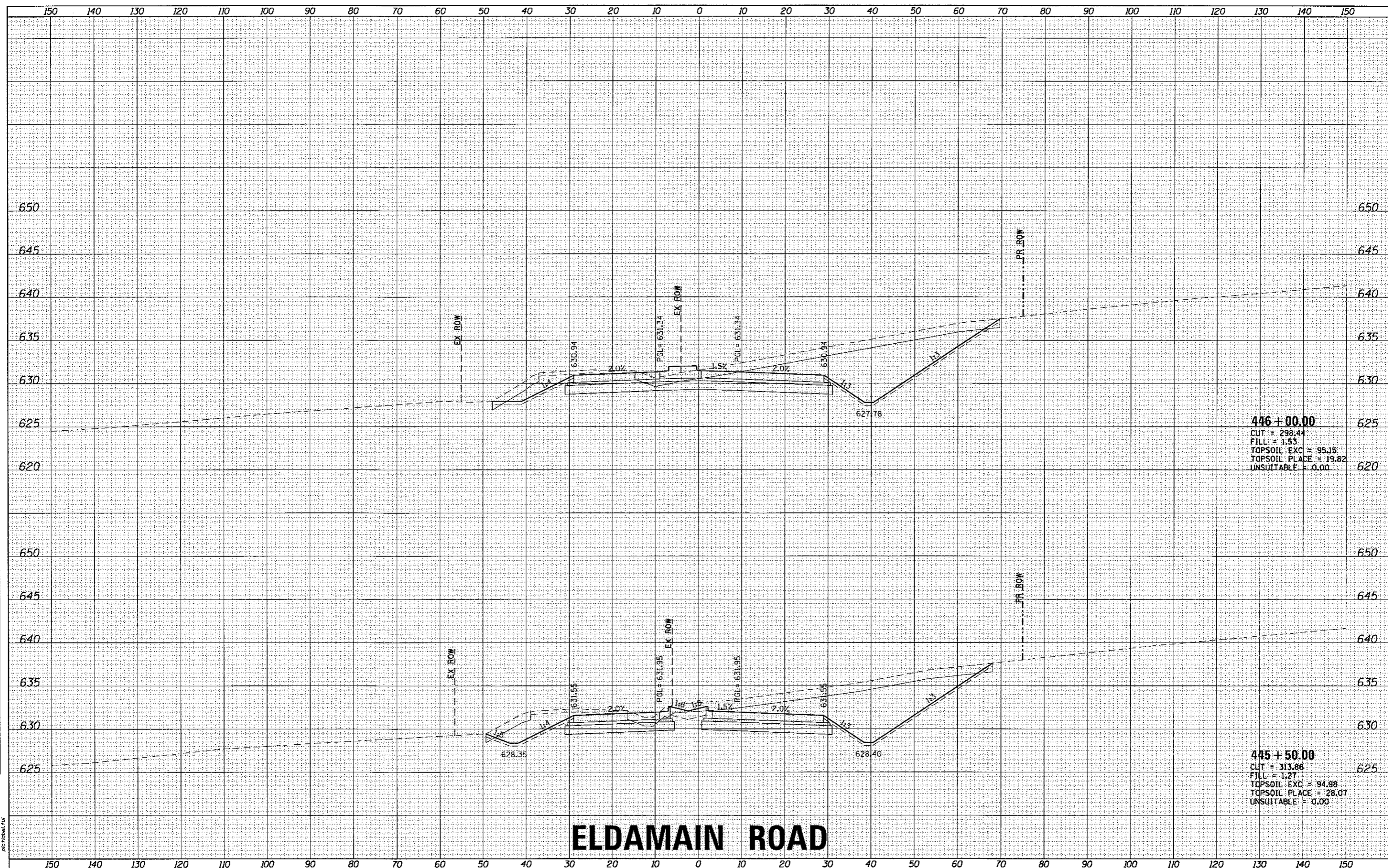
SCALE:	SHEET NO. OF SHEETS	STA. 444+50.00 TO STA. 445+00.00
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F.A.U. RTE. 4000	SECTION NO. 16-00136-00-RP	COUNTY KENDALL	TOTAL SHEETS 237	SHEET NO. 155
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 8766	

DATE	
BY	
SUPERSED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SUPERSED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

HRG PROJECT NO. 1
 HRG PROJ. CONTACT
 FILE NAME: 39A_xssn102_eldmain.dgn
 PLOT DRIVER: E:\pdr\dwgplotrfg
 PEN TABLE: pcttbl01.tbl



446 + 00.00
 CUT = 298.44
 FILL = 1.53
 TOPSOIL EXC = 95.15
 TOPSOIL PLACE = 19.82
 UNSUITABLE = 0.00

445 + 50.00
 CUT = 313.86
 FILL = 1.27
 TOPSOIL EXC = 94.98
 TOPSOIL PLACE = 28.07
 UNSUITABLE = 0.00

ELDMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
 ELDMAIN ROAD



USER NAME = rbest	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 5/15/2017	DATE - 5/15/17	REVISED -

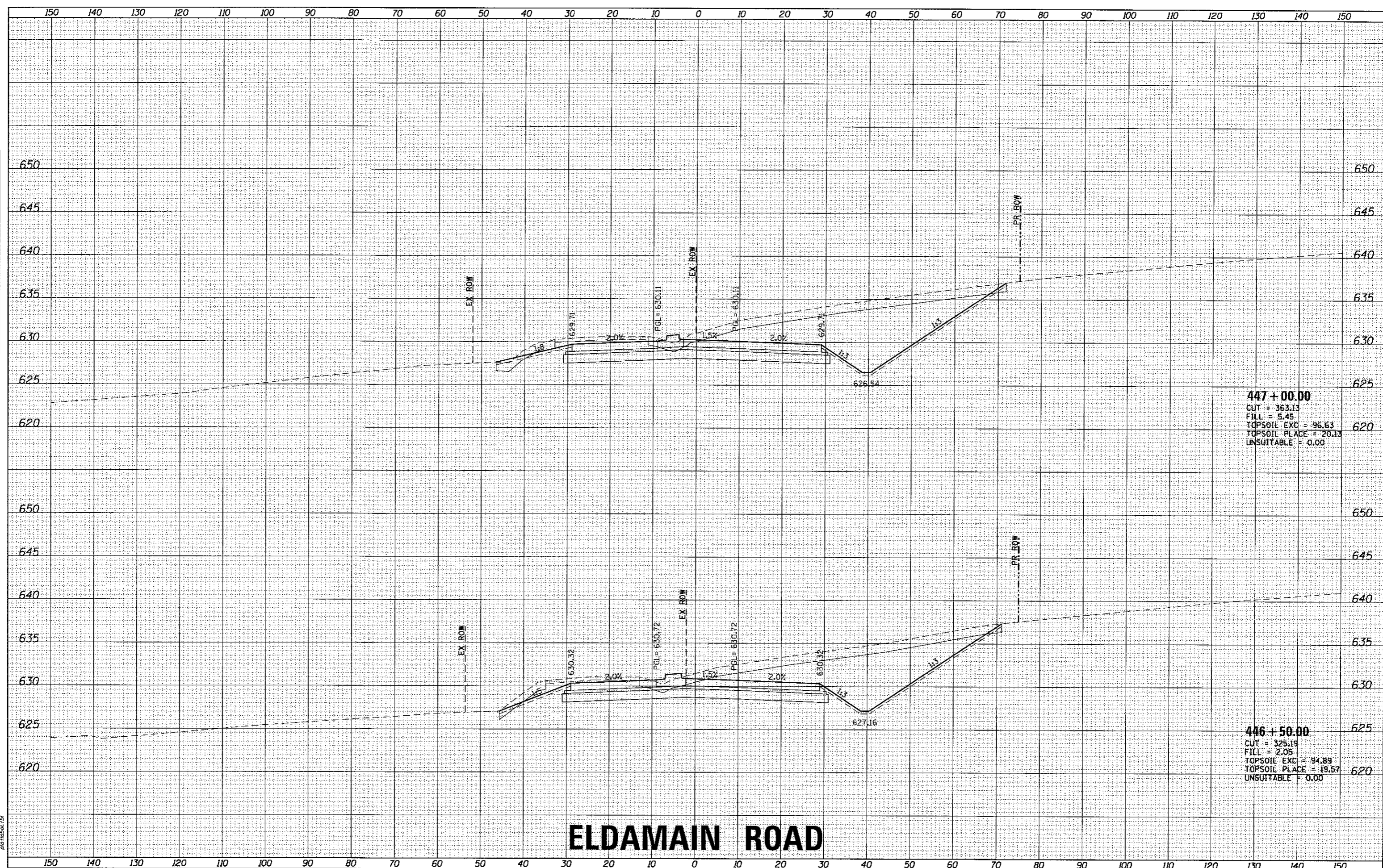
SCALE:	SHEET NO.	OF	SHEETS	STA. 445+50.00	TO	STA. 446+00.00
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F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	156
				CONTRACT NO. 87666
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

HRG PROJECT NO.: B160201P
 HRG PROJ. CONTACT: JRM, vesny101@eldamain.com
 FILE NAME: ELDAMAIN.PLOT
 PLOT NUMBER: 16-00136-00-RP
 PLOT TABLE: 16-00136-00-RP



447 + 00.00
 CUT = 363.13
 FILL = 5.45
 TOPSOIL EXC = 96.63
 TOPSOIL PLACE = 20.13
 UNSUITABLE = 0.00

446 + 50.00
 CUT = 325.19
 FILL = 2.05
 TOPSOIL EXC = 94.89
 TOPSOIL PLACE = 19.57
 UNSUITABLE = 0.00

ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS ELDAMAIN ROAD



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 # 194-001322

USER NAME = rbest	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 5/15/2017	DATE - 5/15/17	REVISED -

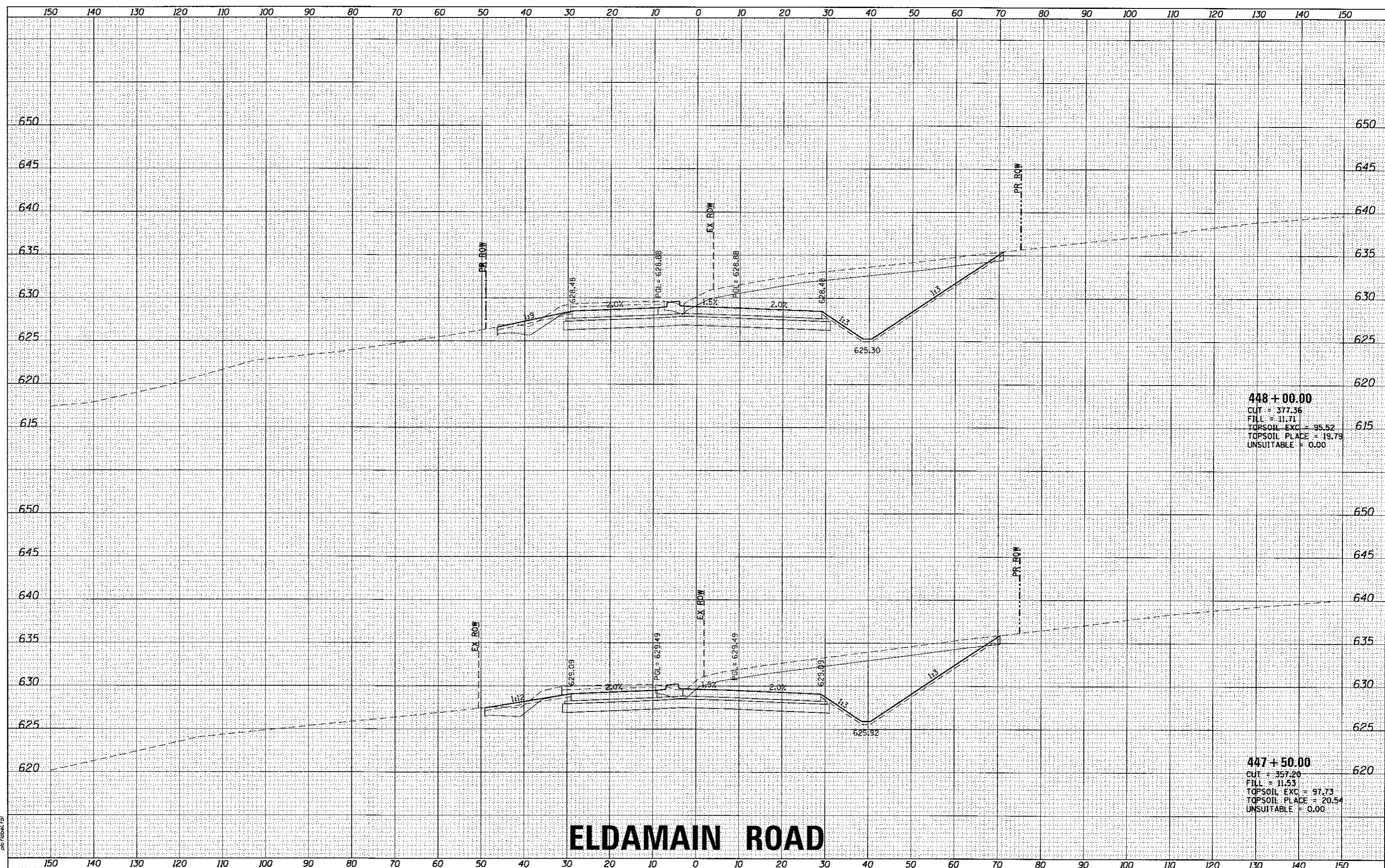
SCALE:	SHEET NO. OF SHEETS	STA. 446+50.00 TO STA. 447+00.00
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F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	157
CONTRACT NO. 8766				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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

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

HRG PROJECT NO.: 8810039
 HRG PROJ. CONTACT: JRM...
 FILE NAME: 16-00136-00-RP.dgn
 PLOT BY: JRM
 PLOT DATE: 5/15/2017



448 + 00.00
 CUT = 377.36
 FILL = 11.71
 TOPSOIL EXC = 95.52
 TOPSOIL PLACE = 19.79
 UNSUITABLE = 0.00

447 + 50.00
 CUT = 357.20
 FILL = 11.53
 TOPSOIL EXC = 97.73
 TOPSOIL PLACE = 20.54
 UNSUITABLE = 0.00

ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
 ELDAMAIN ROAD

USER NAME =	r-best	DESIGNED -	APS	REVISED -	
PLLOT SCALE =		DRAWN -	RCB	REVISED -	
PLLOT DATE =	5/15/2017	CHECKED -		REVISED -	
		DATE -	5/15/17	REVISED -	

SCALE:	SHEET NO.	OF	SHEETS	STA. 447+50.00 TO STA. 448+00.00
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F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	23T	158
CONTRACT NO. 87666				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

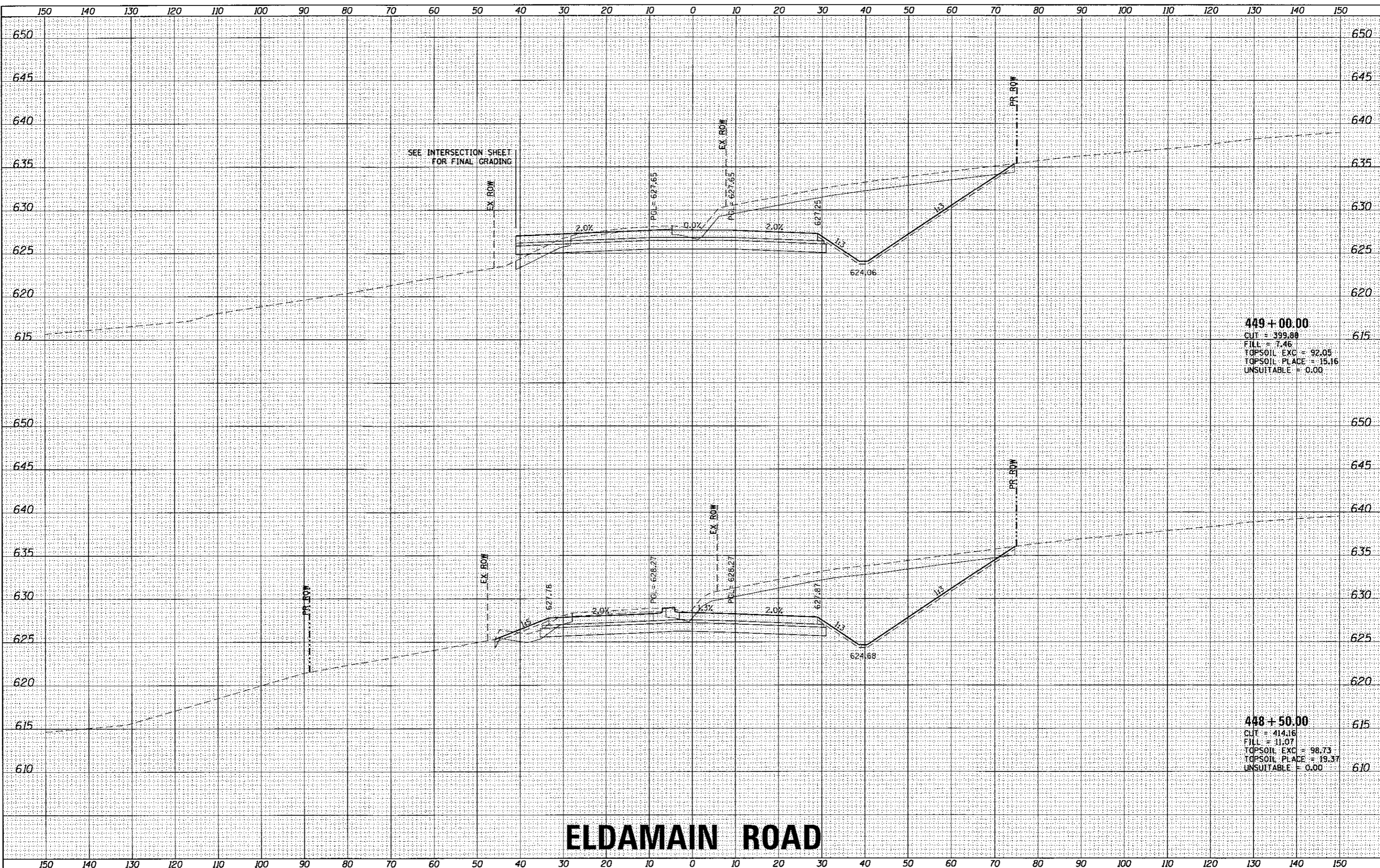


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 Illinois Professional Design Firm
 #104-001022

FINAL SURVEY	DATE
SURVEYED	BY
PLotted	
TEMPLATE	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
SURVEYED	BY
PLotted	
TEMPLATE	
AREAS CHECKED	
NO.	

HRG PROJECT NO. 1
 HRG PROJ. CONTACT
 FILE NAME: 39A_xasrty0_eldamain.dgn
 PLOT DRIVER: i_def_bwpstrfyg
 PEN TABLE: plottbltbl.tbl



449 + 00.00
 CUT = 399.89
 FILL = 7.46
 TOPSOIL EXC = 92.05
 TOPSOIL PLACE = 15.16
 UNSUITABLE = 0.00

448 + 50.00
 CUT = 414.16
 FILL = 11.07
 TOPSOIL EXC = 98.73
 TOPSOIL PLACE = 19.37
 UNSUITABLE = 0.00

ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
 ELDAMAIN ROAD



USER NAME = rcbast	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 5/15/2017	DATE - 5/15/17	REVISED -

DESIGNED - APS	REVISED -
DRAWN - RCB	REVISED -
CHECKED -	REVISED -
DATE - 5/15/17	REVISED -

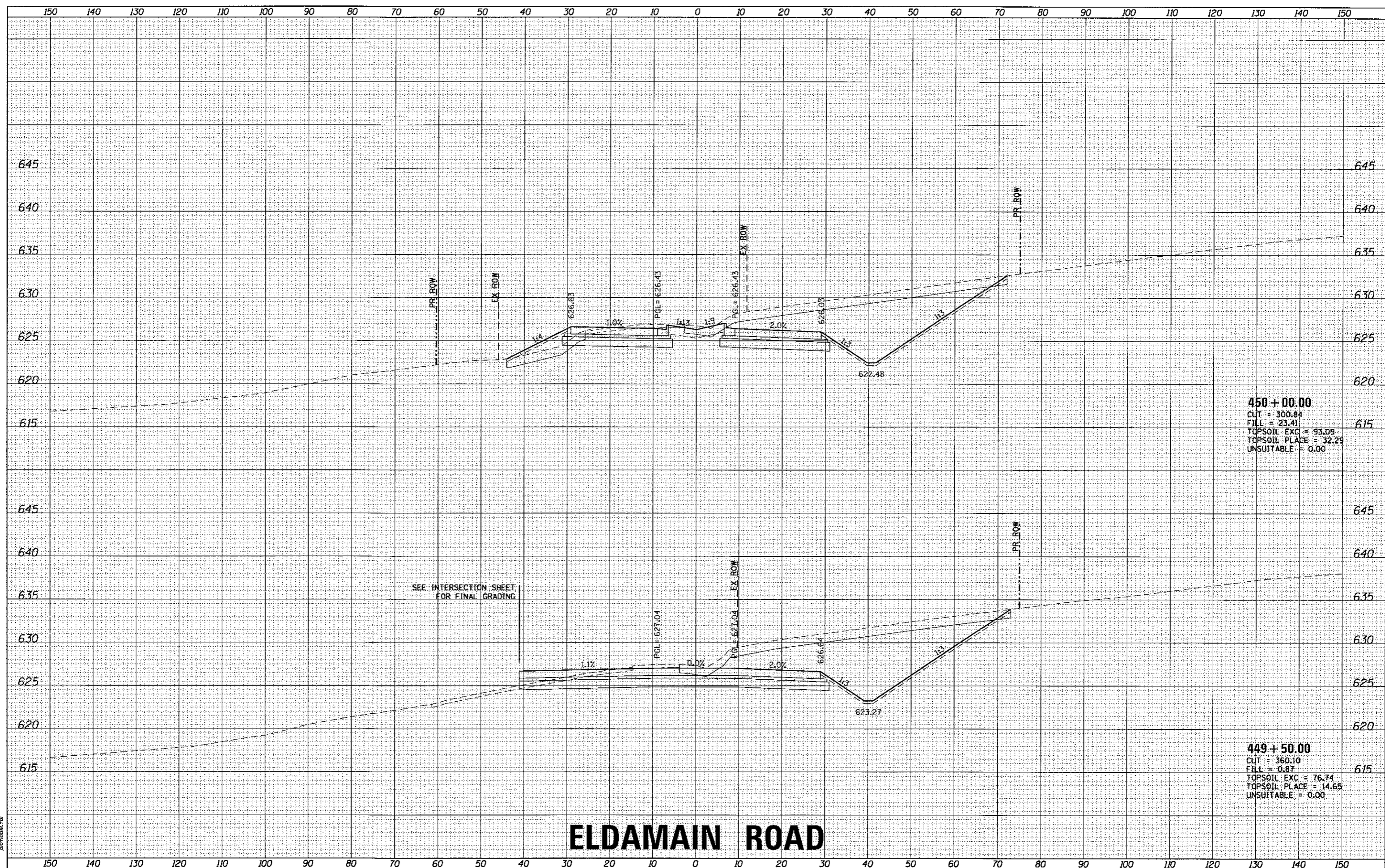
SCALE:	SHEET NO.	OF SHEETS	STA. 448+50.00 TO STA. 449+00.00
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F.A.J. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	159
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 87666

FINAL SURVEY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

ORIGINAL SURVEY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

HRG PROJECT NO.: 890028
 HRG PROJ. CONTACT: Bill Wessner
 FILE NUMBER: 16-00136-00-RP
 PEN TABLE: perHobart.tbl



450 + 00.00
 CUT = 300.84
 FILL = 23.41
 TOPSOIL EXC = 93.09
 TOPSOIL PLACE = 32.29
 UNSUITABLE = 0.00

449 + 50.00
 CUT = 360.10
 FILL = 0.87
 TOPSOIL EXC = 76.74
 TOPSOIL PLACE = 14.65
 UNSUITABLE = 0.00

ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
 ELDAMAIN ROAD

USER NAME = rbest	DESIGNED - APS	REVISED -
PLOT SCALE =	DRAWN - RCB	REVISED -
PLOT DATE = 5/15/2017	CHECKED -	REVISED -
	DATE - 5/15/17	REVISED -

SCALE:	SHEET NO. OF SHEETS	STA. 449+50.00 TO STA. 450+00.00
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F.A.U. RTE. 4000	SECTION NO. 16-00136-00-RP	COUNTY KENDALL	TOTAL SHEETS 237	SHEET NO. 160
CONTRACT NO. 8766				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

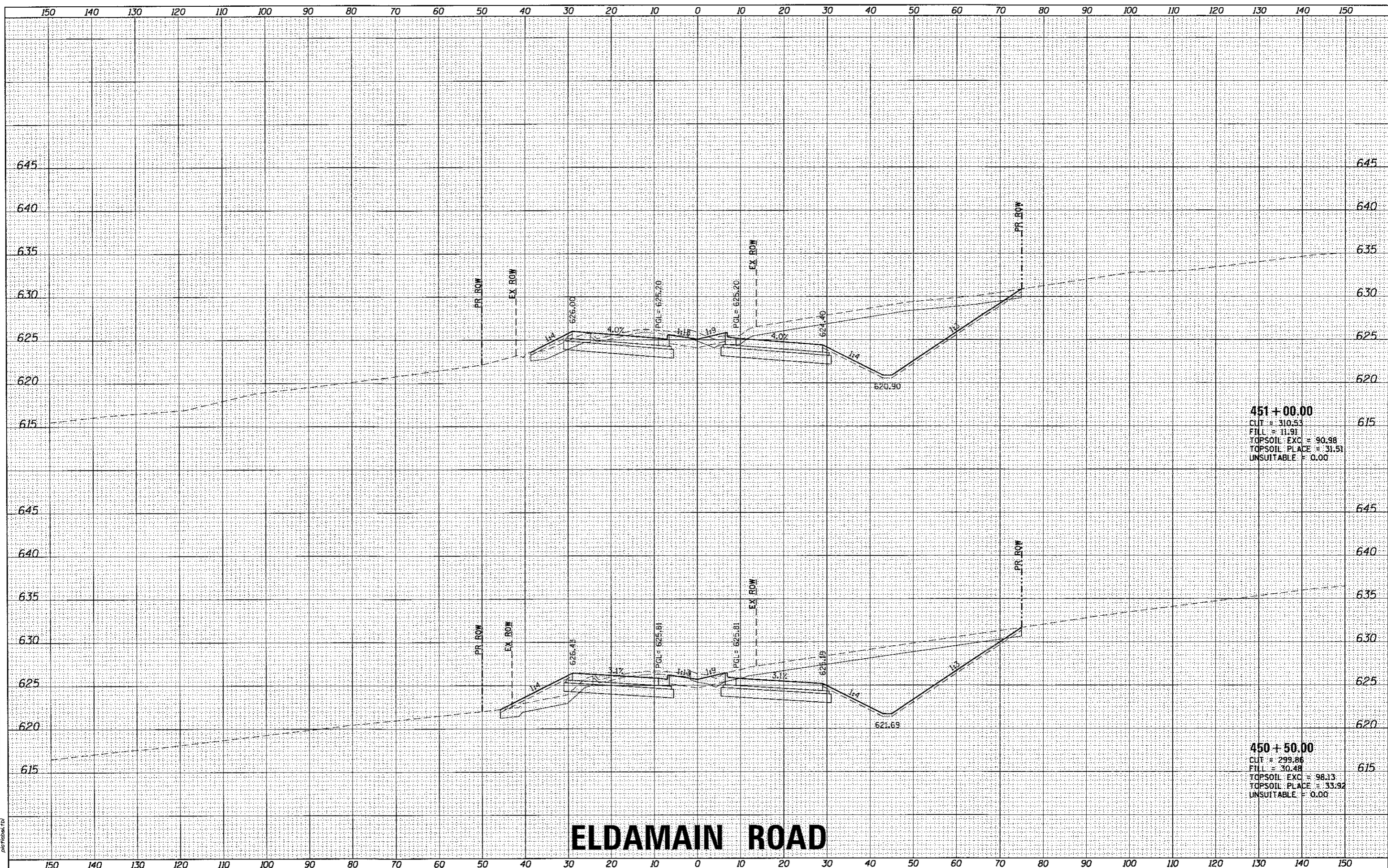


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 Illinois Professional Design Firm
 #184-091322

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

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

HRG PROJECT NO. 1
 HRG PROJ. CONTACT
 FILE NAME: 16-00136-00-RP.dwg
 PLOT DRIVER: PLOT_TABLET
 8/8/2017
 394 - ksamrd.eldmain.dgn
 11:07:54 AM
 16-00136-00-RP.dwg



ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
ELDAMAIN ROAD



USER NAME = rbest	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 5/15/2017	DATE - 5/15/17	REVISED -

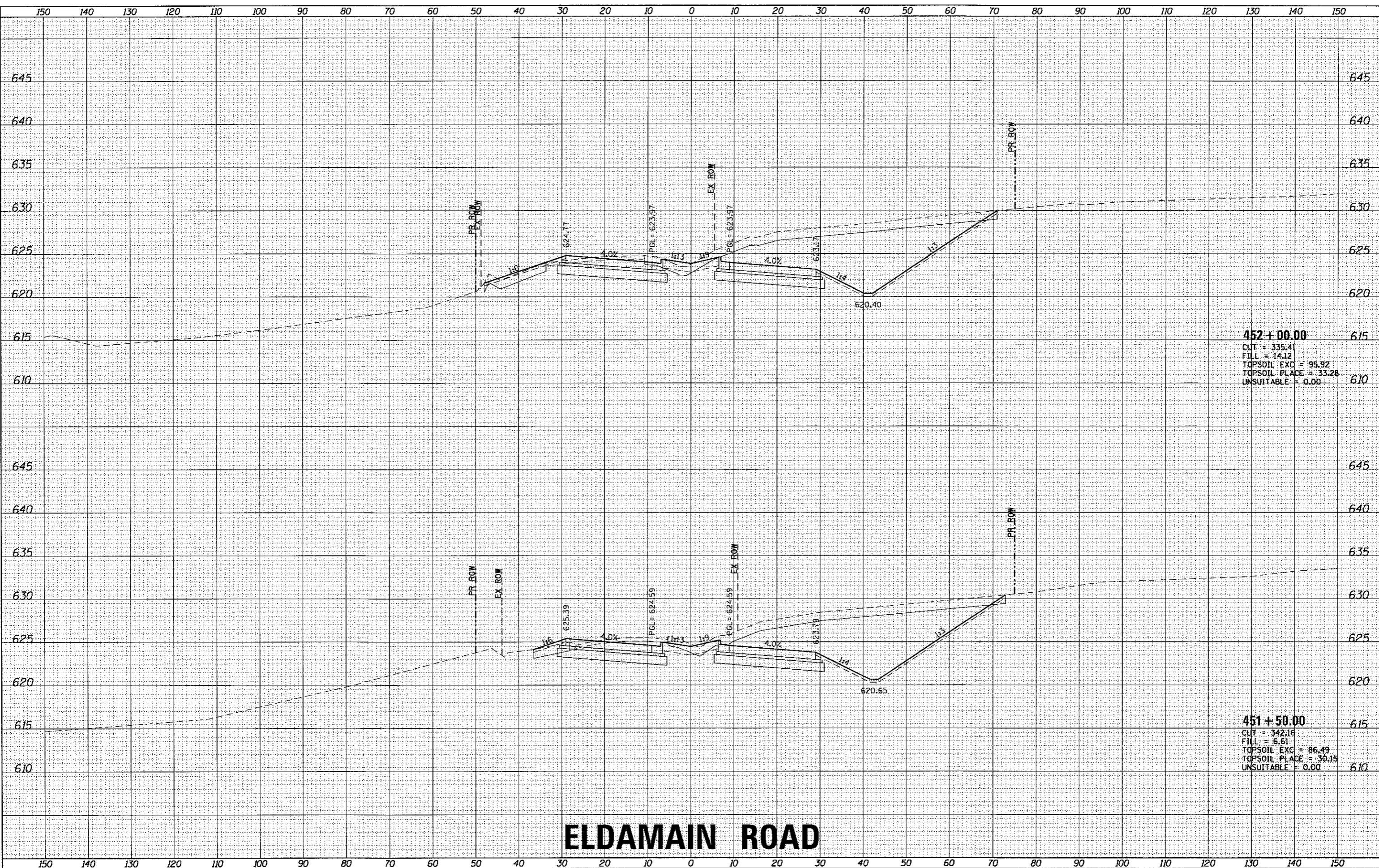
SCALE:	SHEET NO.	OF SHEETS	STA. 450+50.00 TO STA. 451+00.00
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F.A.A.I. RTE. 4000	SECTION NO. 16-00136-00-RP	COUNTY KENDALL	TOTAL SHEETS 237	SHEET NO. 161
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 87666	

DATE	
BY	
SUBMITTED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SUBMITTED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

HRG PROJECT NO. 1
 HRG PROJ. CONTACT
 FILE NAME
 PLOT DRIVER
 PEN TABLET



452 + 00.00
 CUT = 335.41
 FILL = 14.12
 TOPSOIL EXC = 95.92
 TOPSOIL PLACE = 33.28
 UNSUITABLE = 0.00

451 + 50.00
 CUT = 342.16
 FILL = 6.61
 TOPSOIL EXC = 86.49
 TOPSOIL PLACE = 30.15
 UNSUITABLE = 0.00

ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
 ELDAMAIN ROAD



USER NAME = rbest	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 5/15/2017	DATE - 5/15/17	REVISED -

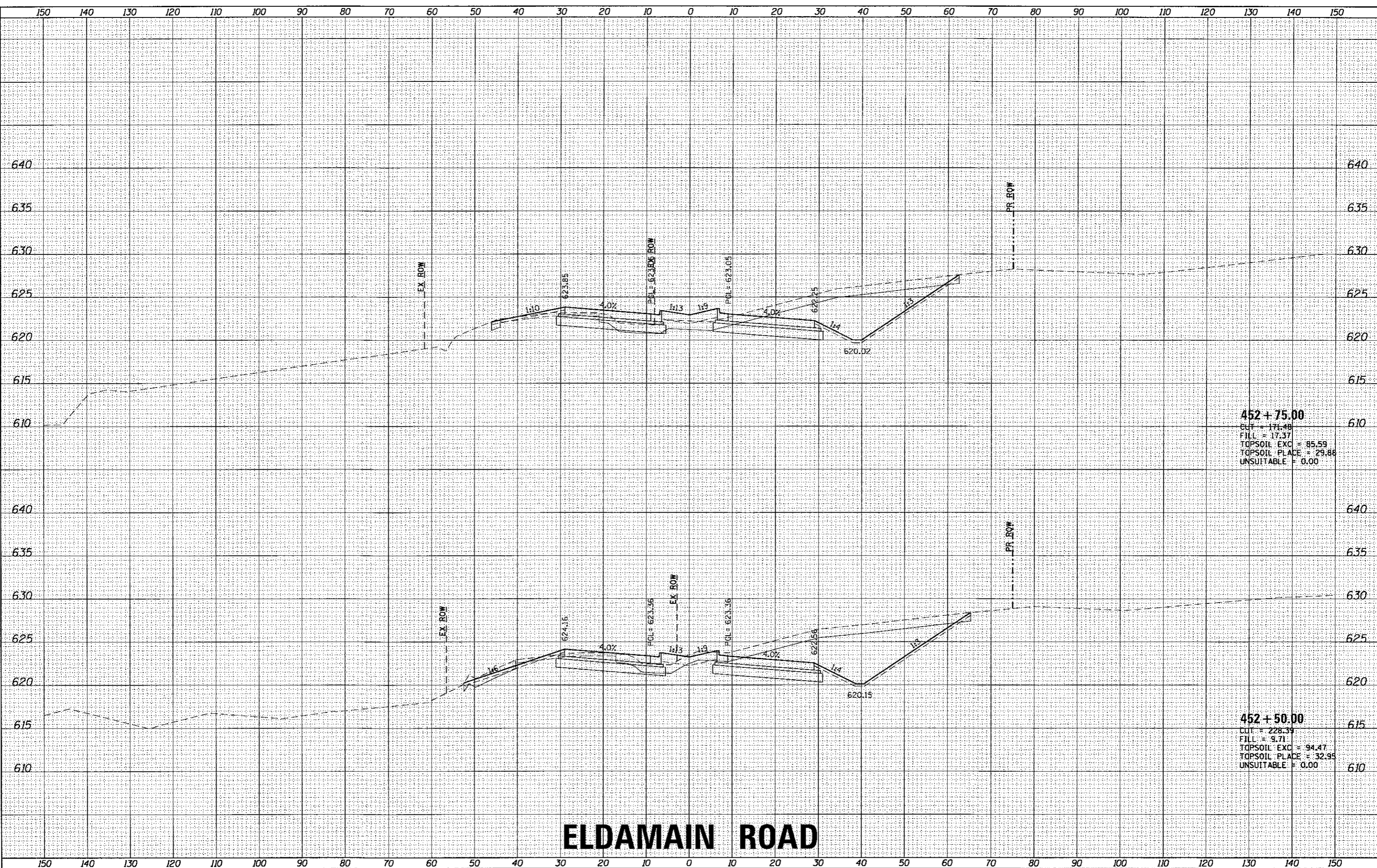
SCALE:	SHEET NO.	OF SHEETS	STA. 451+50.00 TO STA. 452+00.00
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F.A.I. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	162
CONTRACT NO. 87666				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

HRG PROJECT NO. 1
 HRG PROJ. CONTACT
 FILE NAME: 391a_xgsh101_eldmain.dgn
 PLOT DRIVER: z:\pdr\dwg\pdr19g
 PEN TABLE: plottbl01.dtl



452 + 75.00
 CUT = 171.48
 FILL = 17.37
 TOPSOIL EXC = 85.59
 TOPSOIL PLACE = 29.88
 UNSUITABLE = 0.00

452 + 50.00
 CUT = 228.39
 FILL = 9.71
 TOPSOIL EXC = 94.47
 TOPSOIL PLACE = 32.95
 UNSUITABLE = 0.00

ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
 ELDAMAIN ROAD

USER NAME = rbest	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
	CHECKED -	REVISED -
	DATE - 5/15/17	REVISED -
PLLOT SCALE =		
PLLOT DATE = 5/15/2017		

SCALEs	SHEET NO.	OF	SHEETS	STA. 452+50.00	TO STA. 452+75.00
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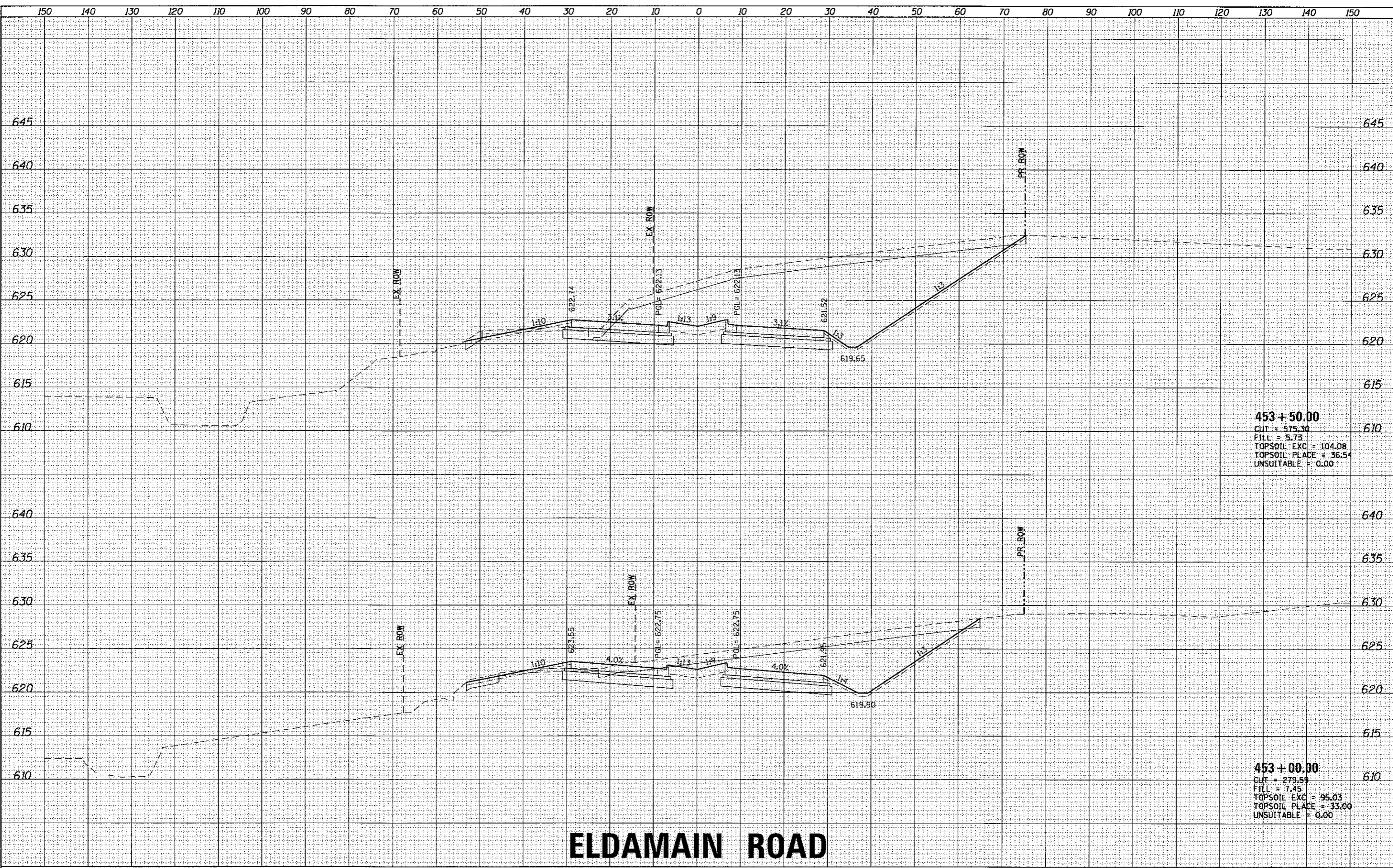
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	163
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 87666	



FINAL SURVEY	DATE
SUBMITTED	BY
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

ORIGINAL SURVEY	DATE
SUBMITTED	BY
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

HRG PROJECT NO. 16102/17
 HRG PROJ. CONTACT: 314.368.4141
 FILE NAME: 16102-00136-00-RP
 PLOT DRIVER: E:\proj\Drawings\16102-00136-00-RP.dwg
 PEN TABLE: 16102.tbl



453 + 50.00
 CUT = 575.30
 FILL = 5.73
 TOPSOIL EXC = 104.08
 TOPSOIL PLACE = 36.54
 UNSUITABLE = 0.00

453 + 00.00
 CUT = 279.59
 FILL = 7.45
 TOPSOIL EXC = 95.03
 TOPSOIL PLACE = 33.00
 UNSUITABLE = 0.00

ELDAMAIN ROAD



USER NAME = rbest	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 5/15/2017	DATE - 5/15/17	REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

SCALE:	SHEET NO.	OF SHEETS	STA. 453+00.00 TO STA. 453+50.00
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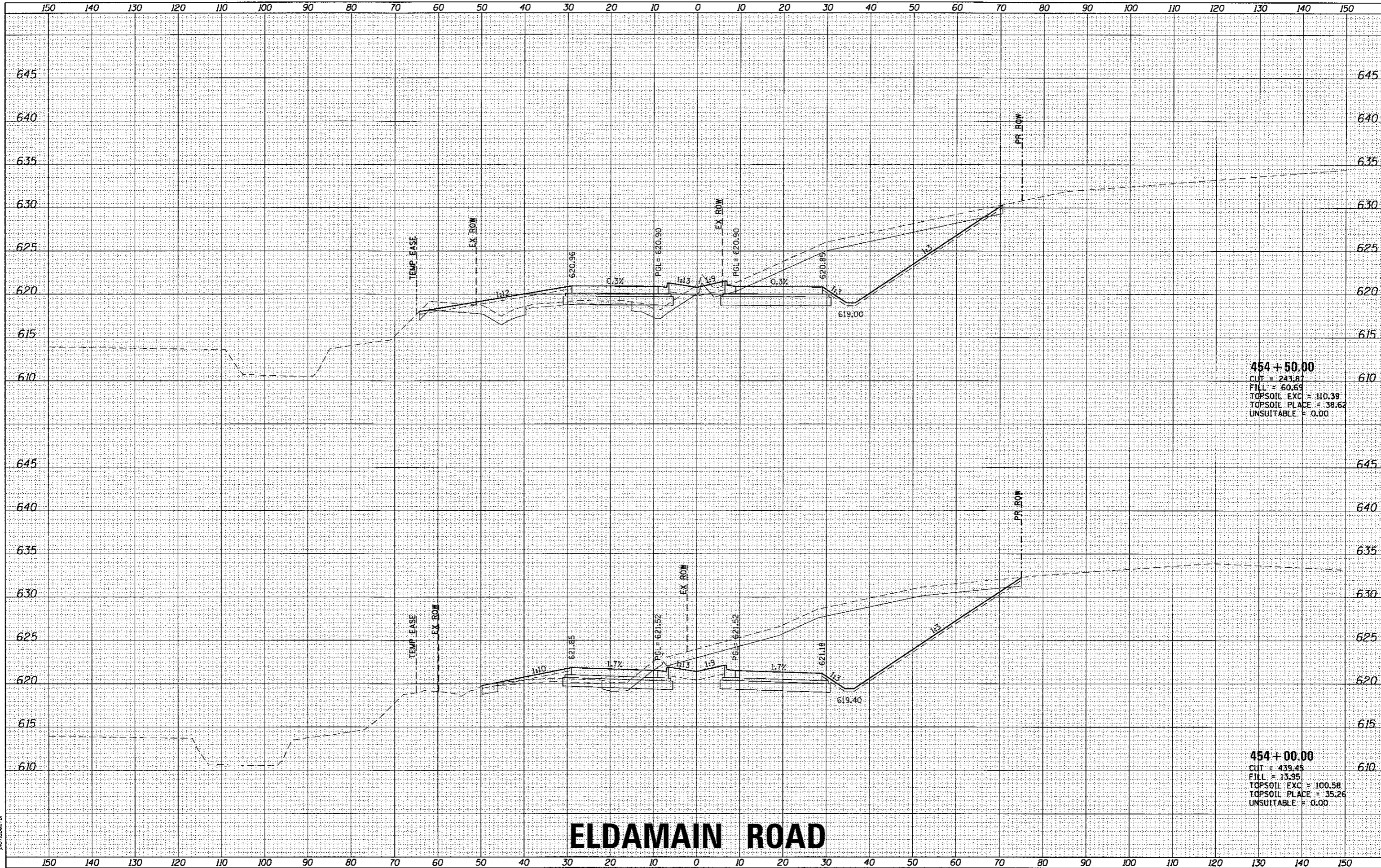
**CROSS SECTIONS
 ELDAMAIN ROAD**

F.A.U. RTE. 4000	SECTION NO. 16-00136-00-RP	COUNTY KENDALL	TOTAL SHEETS 237	SHEET NO. 164
CONTRACT NO. 8766L				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

HRG PROJECT NO.: #60029
 HRG PROJ. CONTACT: 204_vashp@hrgreen.com
 FILE NUMBER: 16-00136-00-RP
 PEN TABLE: 16-00136-00-RP



454 + 50.00
 CUT = 243.87
 FILL = 60.69
 TOPSOIL EXC = 110.39
 TOPSOIL PLACE = 38.62
 UNSUITABLE = 0.00

454 + 00.00
 CUT = 439.45
 FILL = 13.95
 TOPSOIL EXC = 100.58
 TOPSOIL PLACE = 35.26
 UNSUITABLE = 0.00

ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
 ELDAMAIN ROAD

USER NAME = rbest	DESIGNED - APS	REVISED -
PLLOT SCALE =	DRAWN - RCB	REVISED -
PLLOT DATE = 5/15/2017	CHECKED -	REVISED -
	DATE - 5/15/17	REVISED -

SCALE:	SHEET NO.	OF SHEETS	STA. 454+00.00 TO STA. 454+50.00
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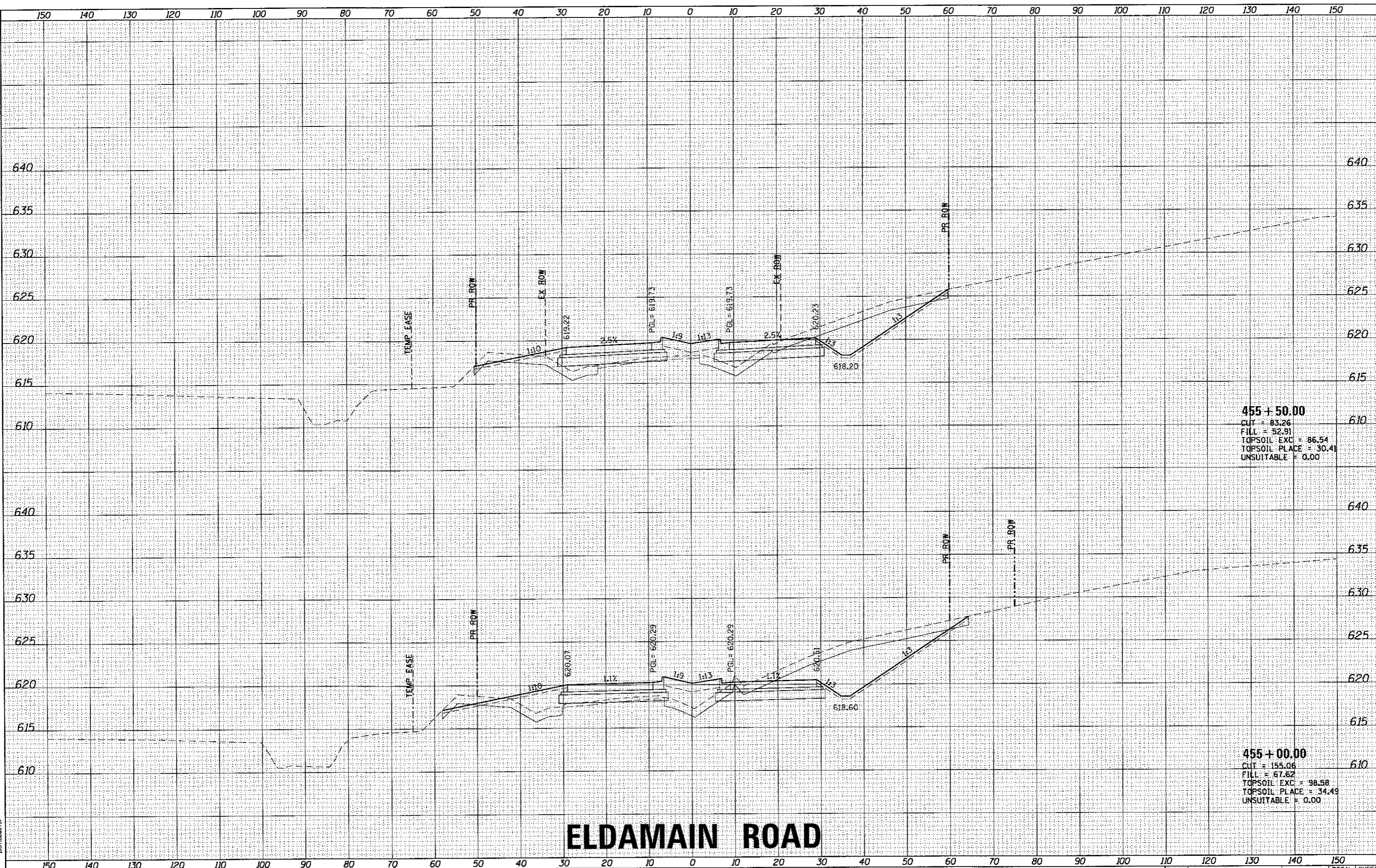
F.A.L. R.T.C. 4000	SECTION NO. 16-00136-00-RP	COUNTY KENDALL	TOTAL SHEETS 237	SHEET NO. 165
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT CONTRACT NO. 37666		



DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
NO.	
TEMP. EASE	
PR. ROW	
EX. ROW	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	
TEMP. EASE	
PR. ROW	
EX. ROW	
AREAS CHECKED	

HRC PROJECT NO. 883038P
 HRC PROJ CONTACT: 3814-sashfal.eldmain.dwg
 FILE NAME: E_prof.dwg
 PLOT DRIVER: plotcabal.tbl
 PEN TABLE:



455 + 50.00
 CUT = 83.26
 FILL = 52.91
 TOPSOIL EXC = 86.54
 TOPSOIL PLACE = 30.41
 UNSUITABLE = 0.00

455 + 00.00
 CUT = 155.06
 FILL = 67.62
 TOPSOIL EXC = 98.58
 TOPSOIL PLACE = 34.49
 UNSUITABLE = 0.00

ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

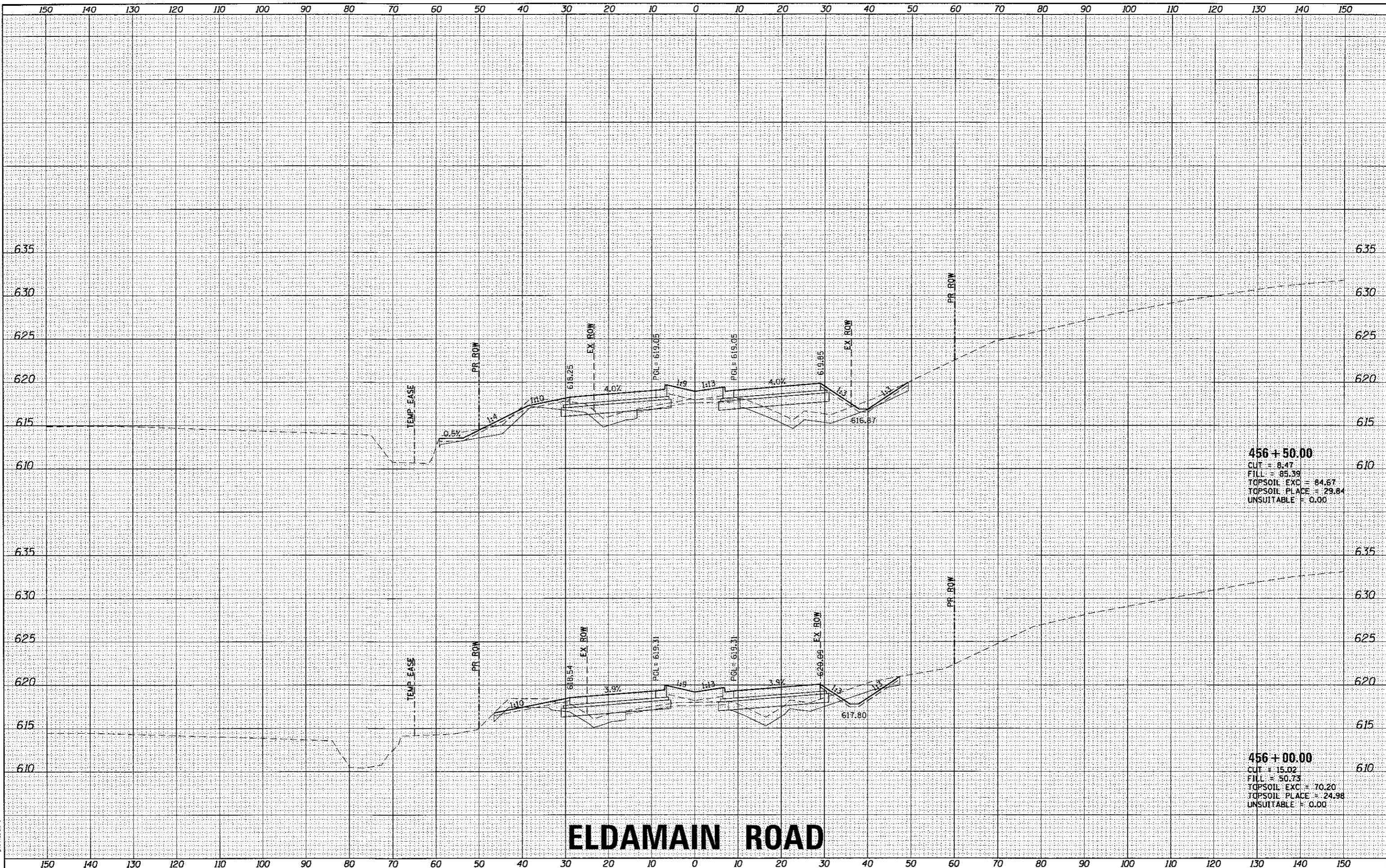
CROSS SECTIONS
ELDAMAIN ROAD



USER NAME = rbest	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 5/15/2017	DATE - 5/15/17	REVISED -

SCALE:	SHEET NO. OF SHEETS	STA. 455+00.00 TO STA. 455+50.00
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F.A.U. RTE. 4000	SECTION NO. 16-00136-00-RP	COUNTY KENDALL	TOTAL SHEETS 237	SHEET NO. 166
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 87666				



456 + 50.00
 CUT = 8.47
 FILL = 85.39
 TOPSOIL EXC = 84.67
 TOPSOIL PLACE = 29.84
 UNSUITABLE = 0.00

456 + 00.00
 CUT = 15.02
 FILL = 50.73
 TOPSOIL EXC = 70.20
 TOPSOIL PLACE = 24.98
 UNSUITABLE = 0.00

ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
 ELDAMAIN ROAD

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	167

CONTRACT NO. **87666**

DATE	
BY	
NO.	
AREAS CHECKED	
TEMPLATE	
NOTE BOOK	
SURVEY	
FINAL	

DATE	
BY	
NO.	
AREAS CHECKED	
TEMPLATE	
NOTE BOOK	
SURVEY	
ORIGINAL	

HRG PROJECT NO. 1
 HRG PROJ. CONTACT
 FILE NAME: 381A_kssn101_eldamain.dgn
 PLOT DRIVER: e:\pdr\dwgplot.dwg
 PLOT TABLE: plottbls\tbl2.dwg

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184-001822

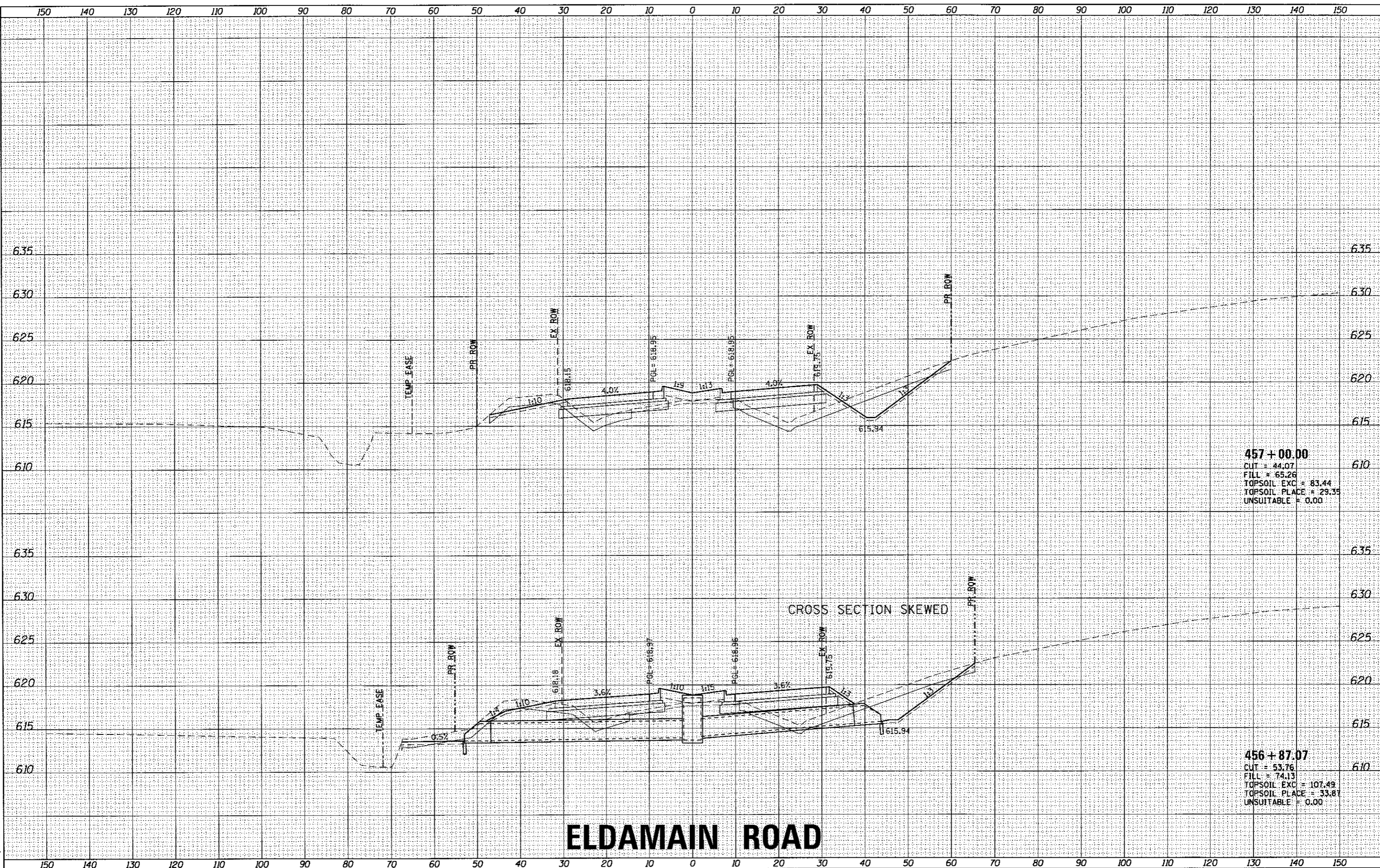
USER NAME = rbest
DESIGNED - APS
DRAWN - RCB
CHECKED -
DATE - 5/15/17
REVISIONS
REVISED -
REVISED -
REVISED -
REVISED -

SCALE:	SHEET NO.	OF	SHEETS	STA. 456+00.00	TO	STA. 456+50.00
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DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

HRG PROJECT NO: 16-00136
 HRG PROJ. CONTACT: JBA, x54170, eldamain.dgn
 FILE NAME: 16-00136-00-16-1.dwg
 PLOT DRIVER: plottbl.tbl
 PLOT TABLE:



457 + 00.00
 CUT = 44.07
 FILL = 65.26
 TOPSOIL EXC = 83.44
 TOPSOIL PLACE = 29.35
 UNSUITABLE = 0.00

456 + 87.07
 CUT = 53.76
 FILL = 74.13
 TOPSOIL EXC = 107.49
 TOPSOIL PLACE = 33.87
 UNSUITABLE = 0.00

ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
 ELDAMAIN ROAD



USER NAME = rbest	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
	CHECKED -	REVISED -
	DATE - 5/15/17	REVISED -

PLLOT SCALE =
PLLOT DATE = 5/15/2017

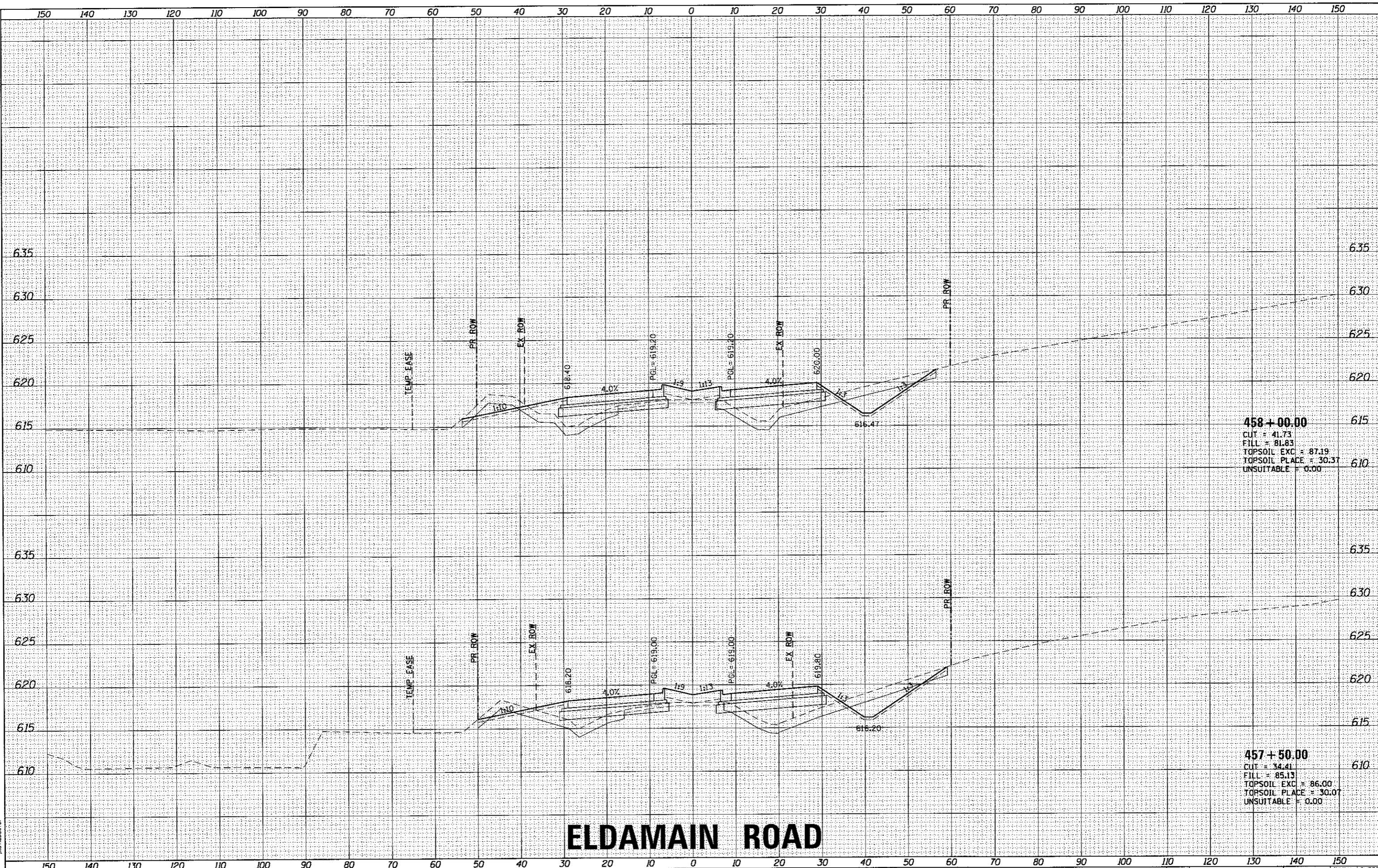
SCALE:	SHEET NO.	OF SHEETS	STA. 456+87.07 TO STA. 457+00.00
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F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	168
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	CONTRACT NO. 87666

DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
NO.	
TEMP. EASE	
PR ROW	
EX ROW	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	
TEMP. EASE	
PR ROW	
EX ROW	
AREAS CHECKED	

HRG PROJECT NO. 689338R
 HRG PROJ CONTACT: JRA-x8b701.eldmain.dgn
 FILE NAME: il_per_dwg1.rvt
 PLOT DRIVER: plottab.plt
 PEN TABLE:



458 + 00.00
 CUT = 41.73
 FILL = 81.83
 TOPSOIL EXC = 87.19
 TOPSOIL PLACE = 30.37
 UNSUITABLE = 0.00

457 + 50.00
 CUT = 34.41
 FILL = 85.13
 TOPSOIL EXC = 86.00
 TOPSOIL PLACE = 30.07
 UNSUITABLE = 0.00

ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

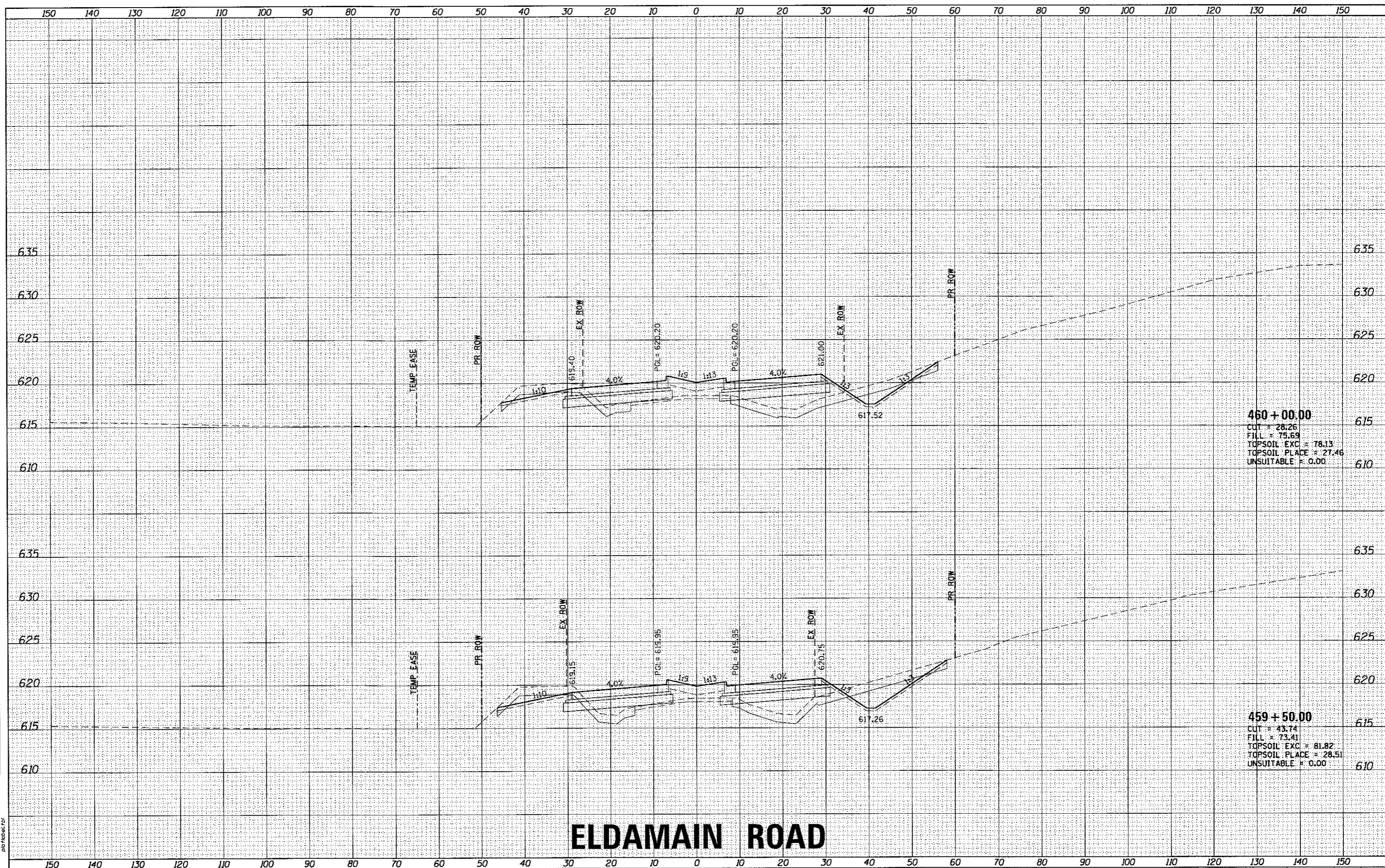
CROSS SECTIONS
ELDAMAIN ROAD



USER NAME = jrbest	DESIGNED - APS	REVISED -
PLOT SCALE =	DRAWN - RCB	REVISED -
PLOT DATE = 5/15/2017	CHECKED -	REVISED -
	DATE - 5/15/17	REVISED -

SCALE:	SHEET NO. OF SHEETS	STA. 457+50.00 TO STA. 458+00.00
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F.A.U. RTE. 4000	SECTION NO. 16-00136-00-RP	COUNTY KENDALL	TOTAL SHEETS 237	SHEET NO. 169
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 87666



460 + 00.00
 CUT = 28.26
 FILL = 75.69
 TOPSOIL EXC = 78.13
 TOPSOIL PLACE = 27.46
 UNSUITABLE = 0.00

459 + 50.00
 CUT = 43.74
 FILL = 73.41
 TOPSOIL EXC = 81.82
 TOPSOIL PLACE = 28.51
 UNSUITABLE = 0.00

ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
 ELDAMAIN ROAD

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

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

HRG PROJECT NO. 1
 HRG PROJ. CONTACT
 FILE NAME: 39A_xssr10_eldmain.dgn
 PLOT DRIVER: i_per_bwp1r1c1g
 PEN TABLE: dia.tbl

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184-001322

USER NAME = rbest	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 5/15/2017	DATE - 5/15/17	REVISED -

REVISED -
REVISED -
REVISED -
REVISED -

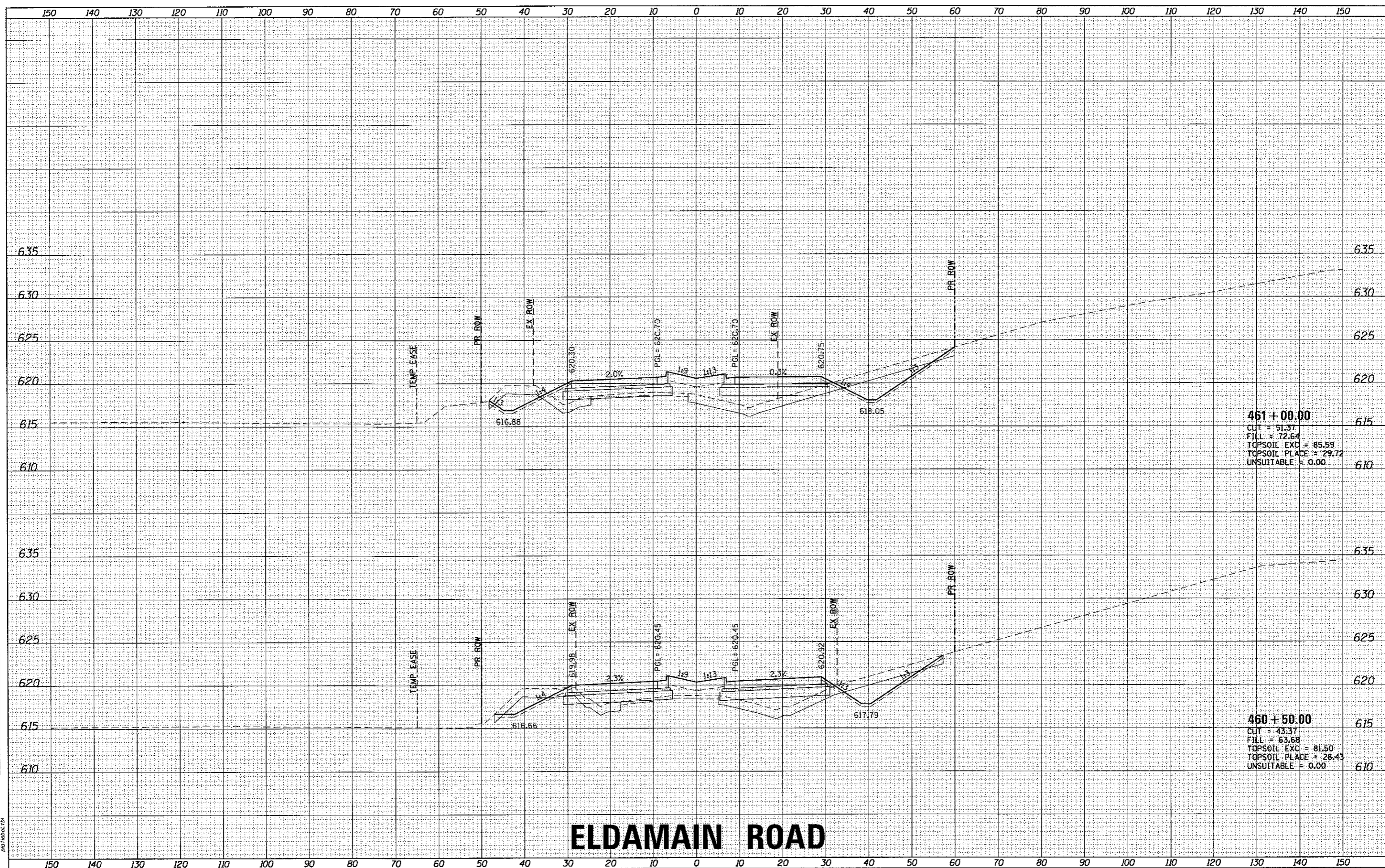
SCALE:	SHEET NO.	OF SHEETS	STA. 459+50.00 TO STA. 460+00.00
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F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	171
CONTRACT NO. 27666				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

HRG PROJECT NO. 1
 HRG PROJ. CONTACT:
 FILE NAME: 3816_ksm1704_eldmain.dgn
 PLOT DRIVER: i_per_dwgplot.dwg
 PEN TABLE: plot.tbl



ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
 ELDAMAIN ROAD



USER NAME = rbest	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
	CHECKED -	REVISED -
	DATE - 5/15/17	REVISED -
PLOT SCALE =		
PLOT DATE = 5/15/2017		

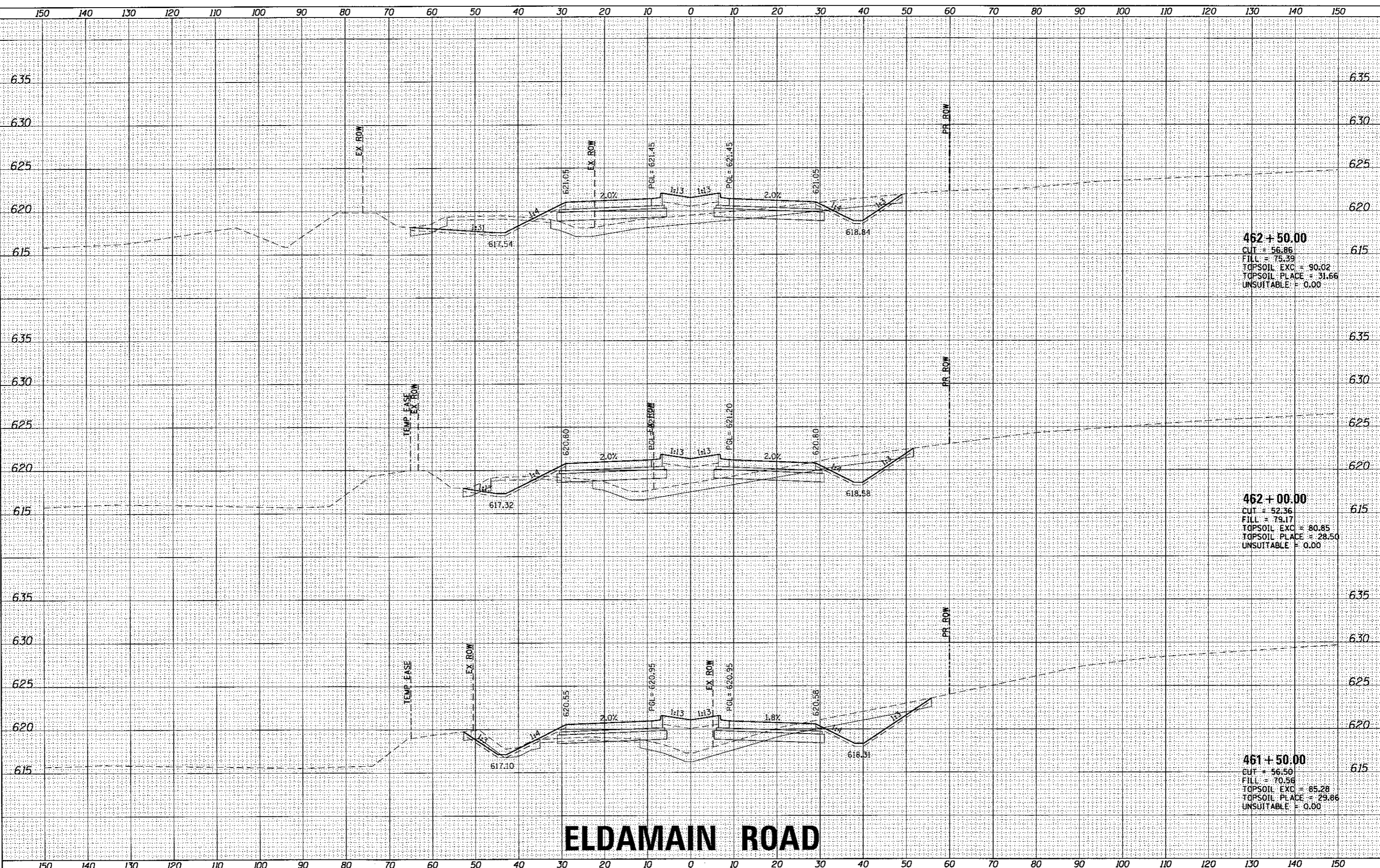
SCALE:	SHEET NO.	OF SHEETS	STA. 460+50.00 TO STA. 461+00.00
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F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	172
				CONTRACT NO. 87666
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

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

HRD PROJECT NO. 1
 HRD PROJ. CONTACT
 FILE NAME
 PLOT DRIVER
 PEN TABLE



462 + 50.00
 CUT = 56.86
 FILL = 75.39
 TOPSOIL EXC = 90.02
 TOPSOIL PLACE = 31.66
 UNSUITABLE = 0.00

462 + 00.00
 CUT = 52.36
 FILL = 79.17
 TOPSOIL EXC = 80.85
 TOPSOIL PLACE = 28.50
 UNSUITABLE = 0.00

461 + 50.00
 CUT = 56.50
 FILL = 70.56
 TOPSOIL EXC = 85.28
 TOPSOIL PLACE = 29.86
 UNSUITABLE = 0.00

ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
 ELDAMAIN ROAD



USER NAME = rbest	DESIGNED - APS	REVISED -
PLOT SCALE =	DRAWN - RCB	REVISED -
PLOT DATE = 5/15/2017	CHECKED -	REVISED -
	DATE - 5/15/17	REVISED -

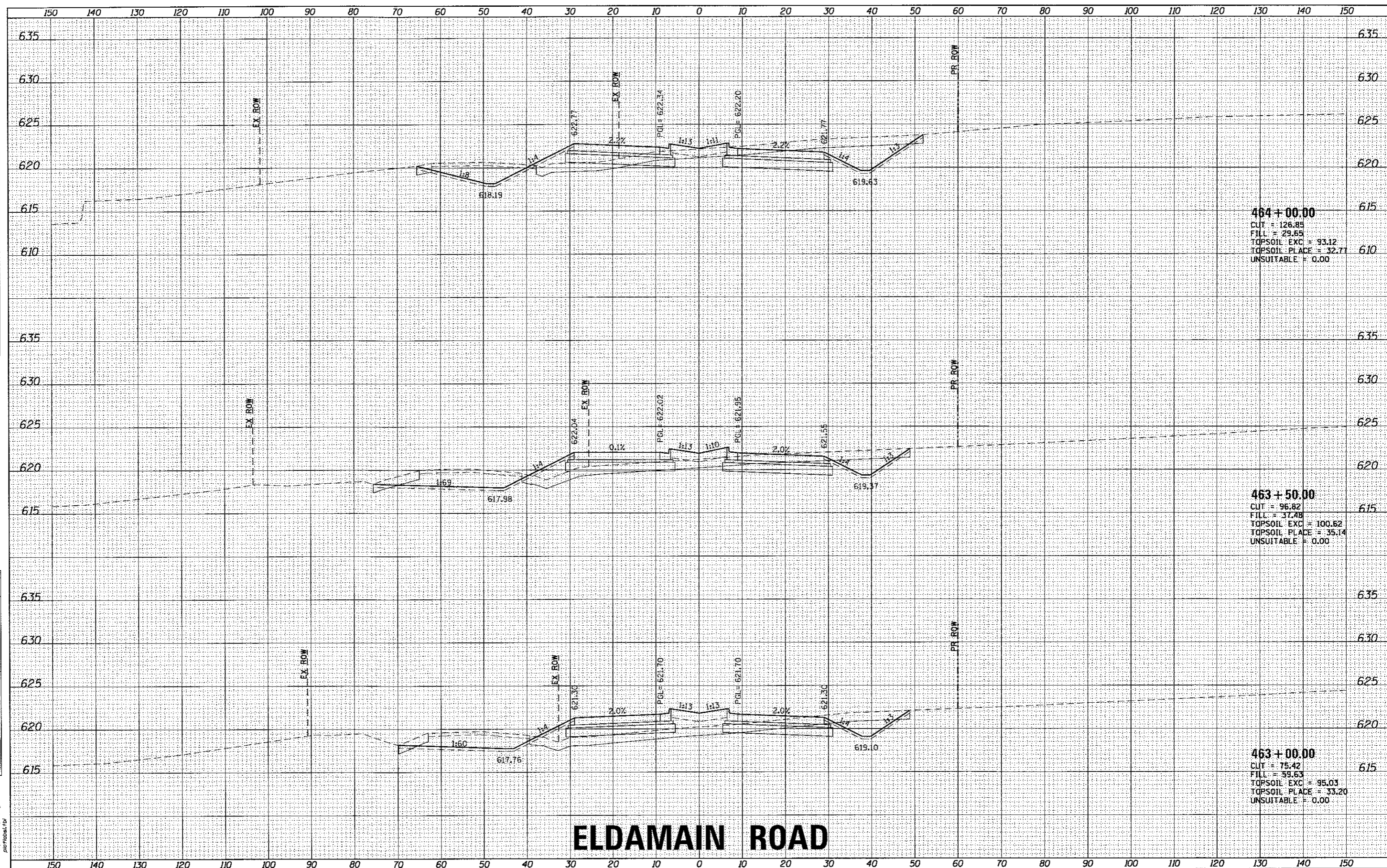
SCALE:	SHEET NO.	OF	SHEETS	STA. 461+50.00	TO	STA. 462+50.00
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F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	173
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 87666				

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

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

HRG PROJECT NO.: #160381
 HRG PROJ. CONTACT: 38A_xsh+0L_eldmain.dgn
 FILE NAME: 1_per_bwp1c1g
 PLOT DRIVER: pctyabsl.tbl
 PEN TABLE:



464 + 00.00
 CUT = 126.85
 FILL = 29.65
 TOPSOIL EXC = 93.12
 TOPSOIL PLACE = 32.77
 UNSUITABLE = 0.00

463 + 50.00
 CUT = 96.82
 FILL = 37.48
 TOPSOIL EXC = 100.62
 TOPSOIL PLACE = 35.14
 UNSUITABLE = 0.00

463 + 00.00
 CUT = 75.42
 FILL = 59.63
 TOPSOIL EXC = 95.03
 TOPSOIL PLACE = 33.20
 UNSUITABLE = 0.00

ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
 ELDAMAIN ROAD

USER NAME = rbest	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
	CHECKED -	REVISED -
	DATE - 5/15/17	REVISED -
PLOT SCALE =		
PLOT DATE = 5/15/2017		

SCALE:	SHEET NO.	OF SHEETS	STA. 463+00.00 TO STA. 464+00.00
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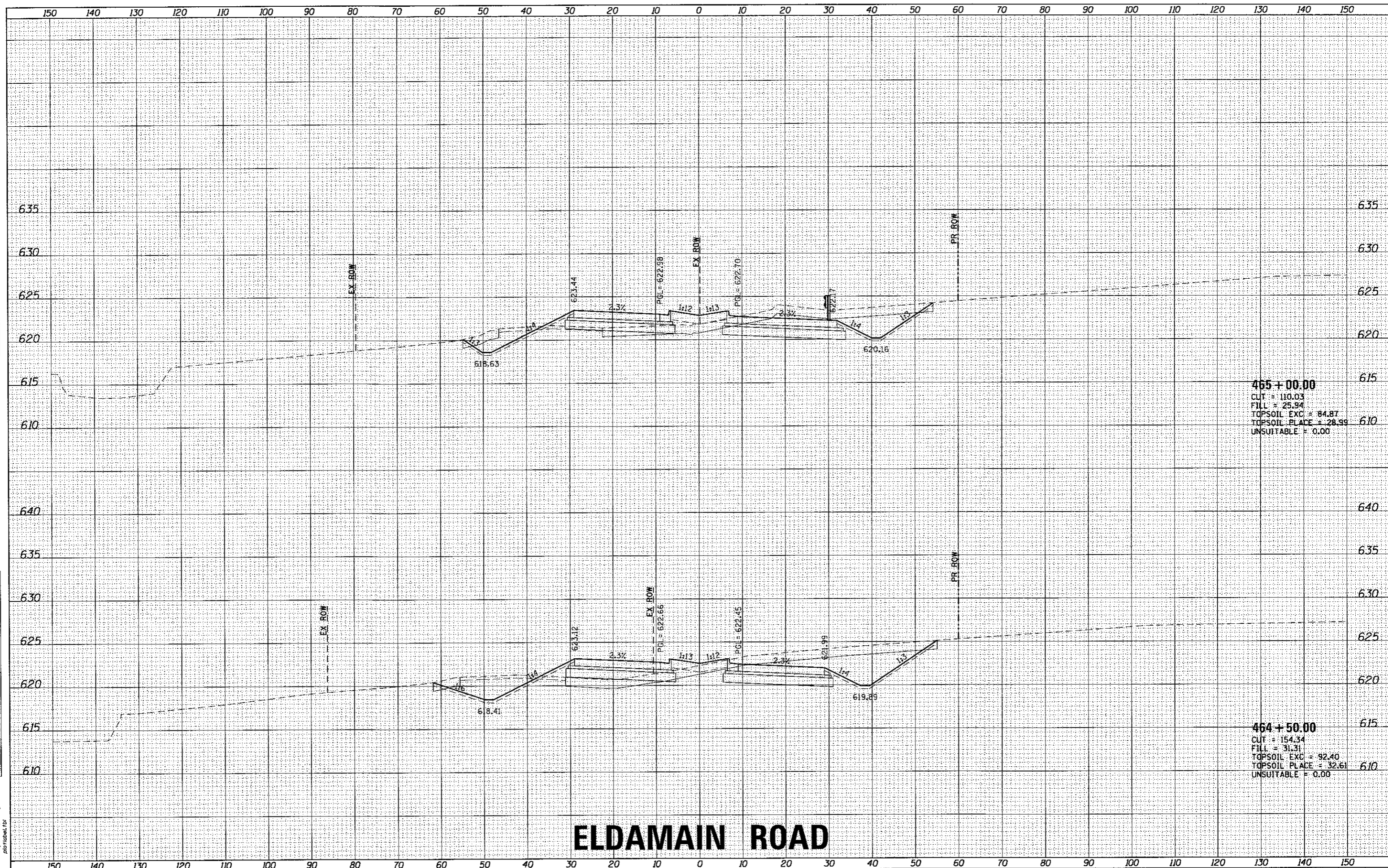
FALL RTE. 4000	SECTION NO. 16-00136-00-RP	COUNTY KENDALL	TOTAL SHEETS 237	SHEET NO. 174
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 87666	



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

DATE	
BY	
ORIGINAL SURVEY	
FORM NO.	
AREAS CHECKED	
NO.	

HRG PROJECT NO. 8830289
 HRG PROJ. CONTACT: 399-xxsf104.eldmain.dgn
 FILE NAME: il_prof_briefing
 PLOT DRIVER: plottbl.tbl
 PEN TABLE:



ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
ELDAMAIN ROAD



USER NAME = rbest	DESIGNED - APS	REVISED -
PLOT SCALE =	DRAWN - RCB	REVISED -
PLOT DATE = 5/15/2017	CHECKED -	REVISED -
	DATE - 5/15/17	REVISED -

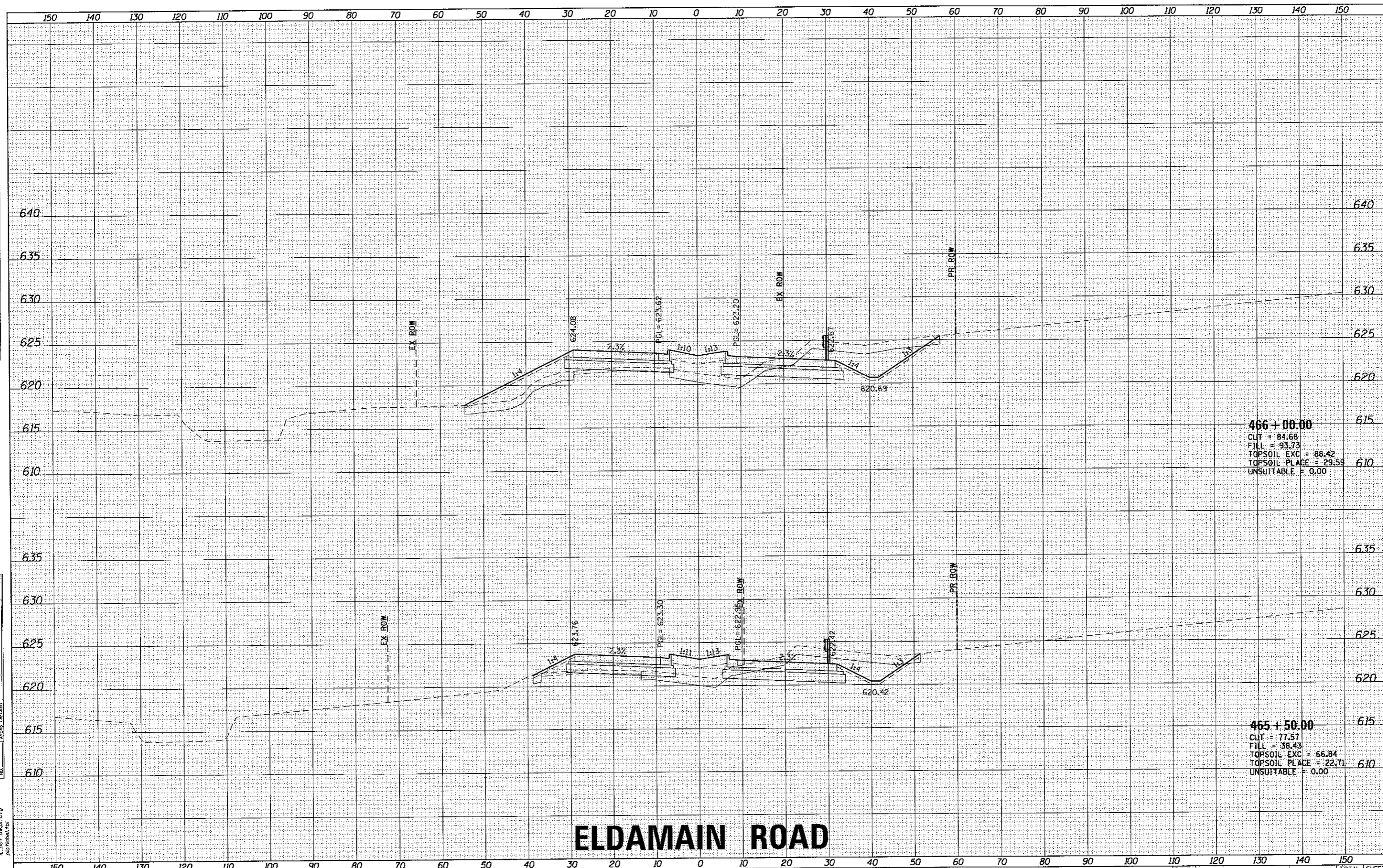
SCALE:	SHEET NO.	OF SHEETS	STA. 464+50.00 TO STA. 465+00.00
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F.A.U. RATE	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	175
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 87666	

FINAL SURVEY	DATE
SURVEYED	BY
NOTE BOOK	
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ORIGINAL SURVEY	DATE
SURVEYED	BY
NOTE BOOK	
AREAS CHECKED	

HRG PROJECT NO. 0802036
 HRG CONTACT: 384 essentrol.eldmaina.dgn
 FILE NAME: il.pdf.jwathrf9
 PLOT DRIVER: plot.tbl
 PEN TABLE:



466+00.00
 CUT = 84.68
 FILL = 93.73
 TOPSOIL EXC = 88.42
 TOPSOIL PLACE = 29.59
 UNSUITABLE = 0.00

465+50.00
 CUT = 77.57
 FILL = 38.43
 TOPSOIL EXC = 66.84
 TOPSOIL PLACE = 22.71
 UNSUITABLE = 0.00

ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT



USER NAME = rbest	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 5/15/2017	DATE - 5/15/17	REVISED -

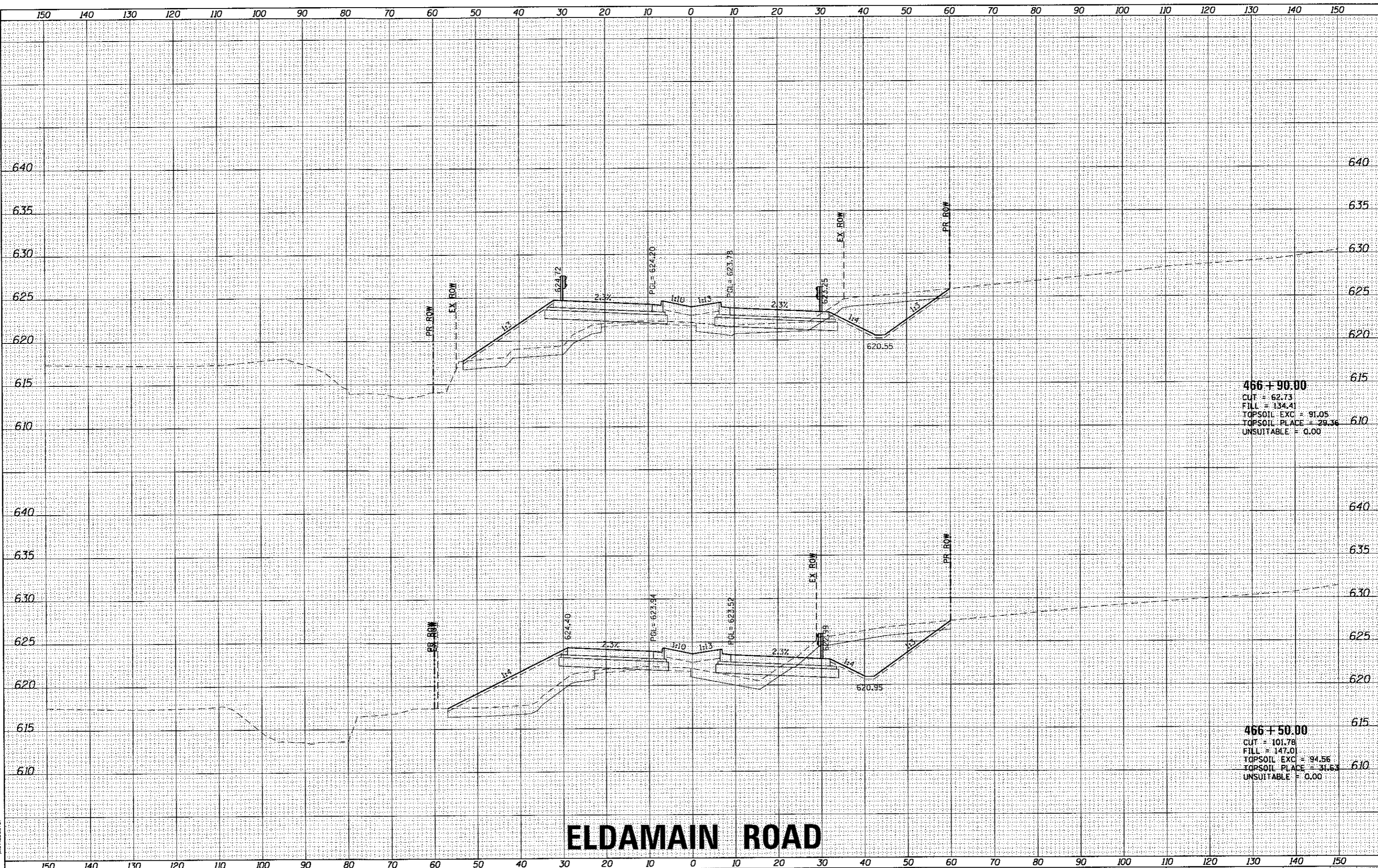
CROSS SECTIONS	
ELDAMAIN ROAD	
SCALE:	SHEET NO. OF SHEETS STA. 465+50.00 TO STA. 466+00.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	176
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 37666		

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

HRG PROJECT NO. 688238P
 HRG PROJ CONTACT: 39A.ashraf@eldmain.com
 FILE NAME: il_per_dwg1617g
 PLOT DRIVER: notobal.tbl
 PEN TABLE:



466+90.00
 CUT = 62.73
 FILL = 134.41
 TOPSOIL EXC = 91.05
 TOPSOIL PLACE = 29.36
 UNSUITABLE = 0.00

466+50.00
 CUT = 101.78
 FILL = 147.01
 TOPSOIL EXC = 94.56
 TOPSOIL PLACE = 31.63
 UNSUITABLE = 0.00

ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
ELDAMAIN ROAD



USER NAME = rbest	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 5/15/2017	DATE - 5/15/17	REVISED -

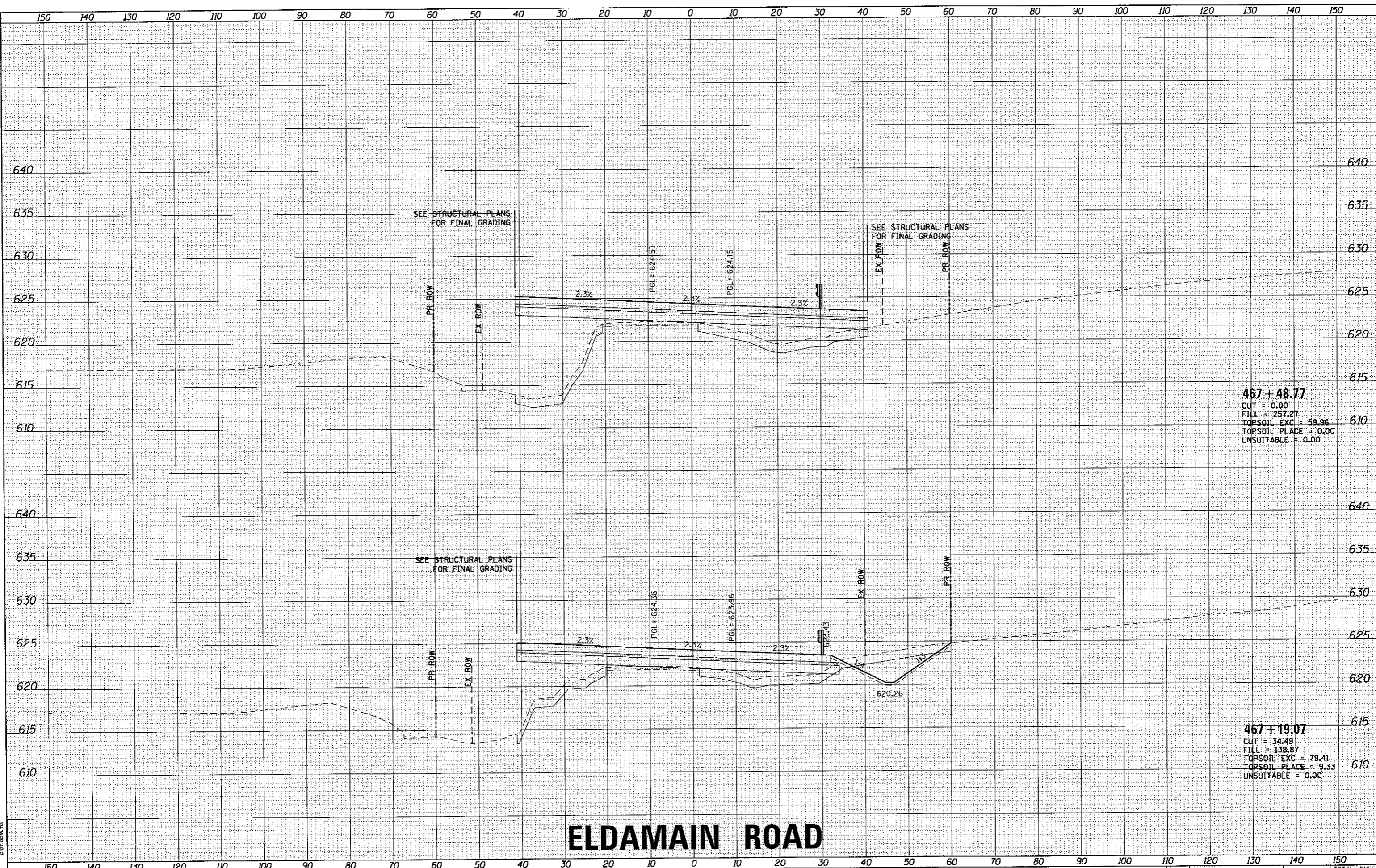
SCALE:	SHEET NO.	OF SHEETS	STA. 466+50.00 TO STA. 466+90.00
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F.A.I. RTE. 4000	SECTION NO. 16-00136-00-RP	COUNTY KENDALL	TOTAL SHEETS 237	SHEET NO. 177
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 87666	

FINAL SURVEY	DATE
SURVEYED	
PLANNED	
TEMP. AREAS	
NOTE BOOK	
NO.	

ORIGINAL SURVEY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
NOTE BOOK	
NO.	

HRG PROJECT NO.: 882038F
 HRG PROJ. CONTACT: 384.4552701, eldamain@hr.com
 FILE: 16-00136-00-01.dgn
 PEN TABLE: pen.tbl



467 + 48.77
 CUT = 0.00
 FILL = 257.27
 TOPSOIL EXC = 59.96
 TOPSOIL PLACE = 0.00
 UNSUITABLE = 0.00

467 + 19.07
 CUT = 34.49
 FILL = 138.87
 TOPSOIL EXC = 79.41
 TOPSOIL PLACE = 9.33
 UNSUITABLE = 0.00

ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

USER NAME = rbest	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
	CHECKED -	REVISED -
	DATE - 5/15/17	REVISED -
PLOT SCALE =		
PLOT DATE = 5/15/2017		

CROSS SECTIONS	
ELDAMAIN ROAD	
SCALE:	SHEET NO. OF SHEETS
STA. 467+19.07 TO STA. 467+48.77	

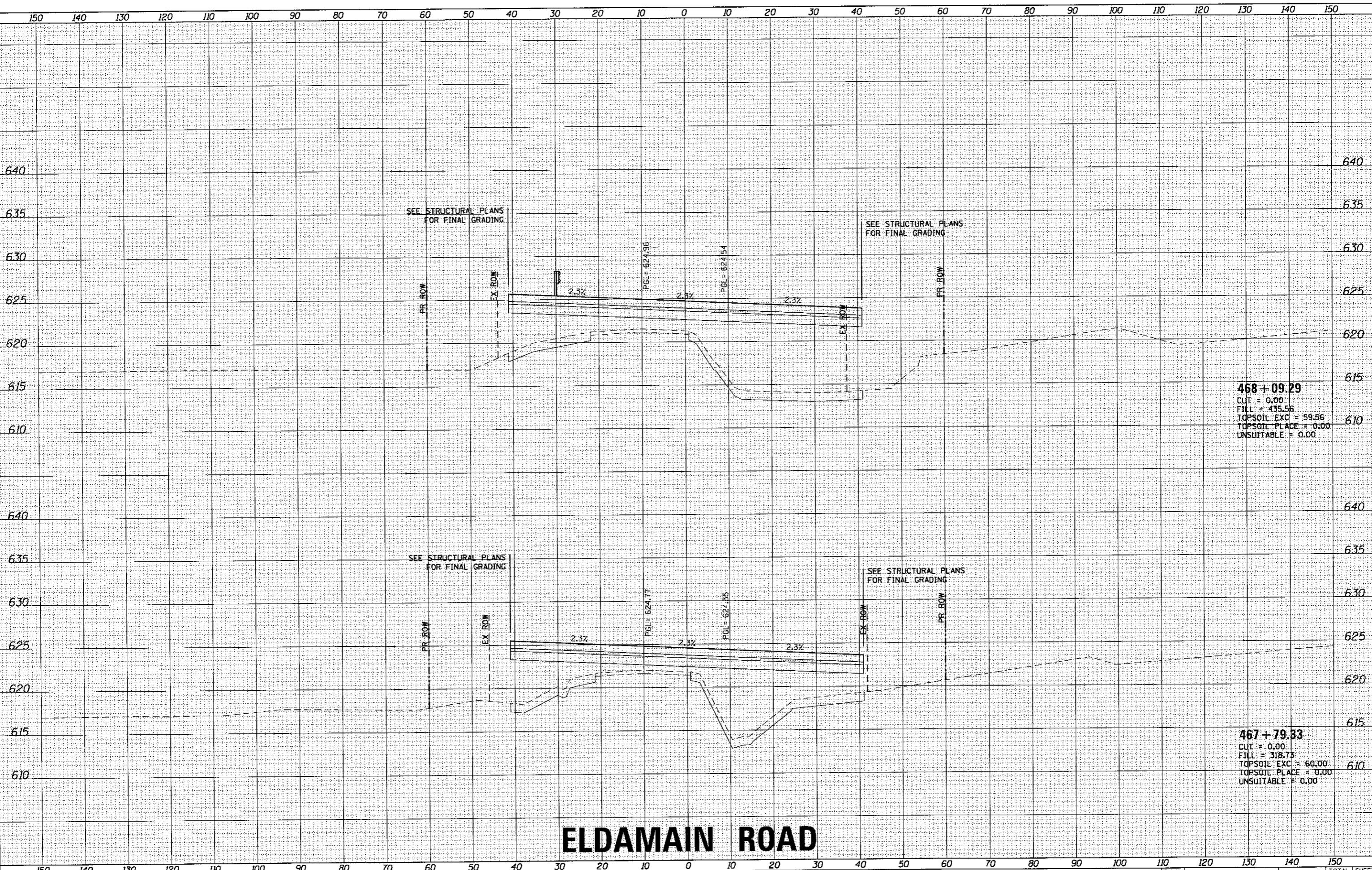
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	178
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 87666	



DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

HRG PROJECT NO.: 883038
 HRG PROJ CONTACT: 384.458@hrgreen.com
 PLOT DRAWN: J. J. J. J.
 PEN TABLE: J. J. J. J.



ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

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 Illinois Professional Design Firm
 #194-001322

USER NAME = rwest	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 5/15/2017	DATE - 5/15/17	REVISED -

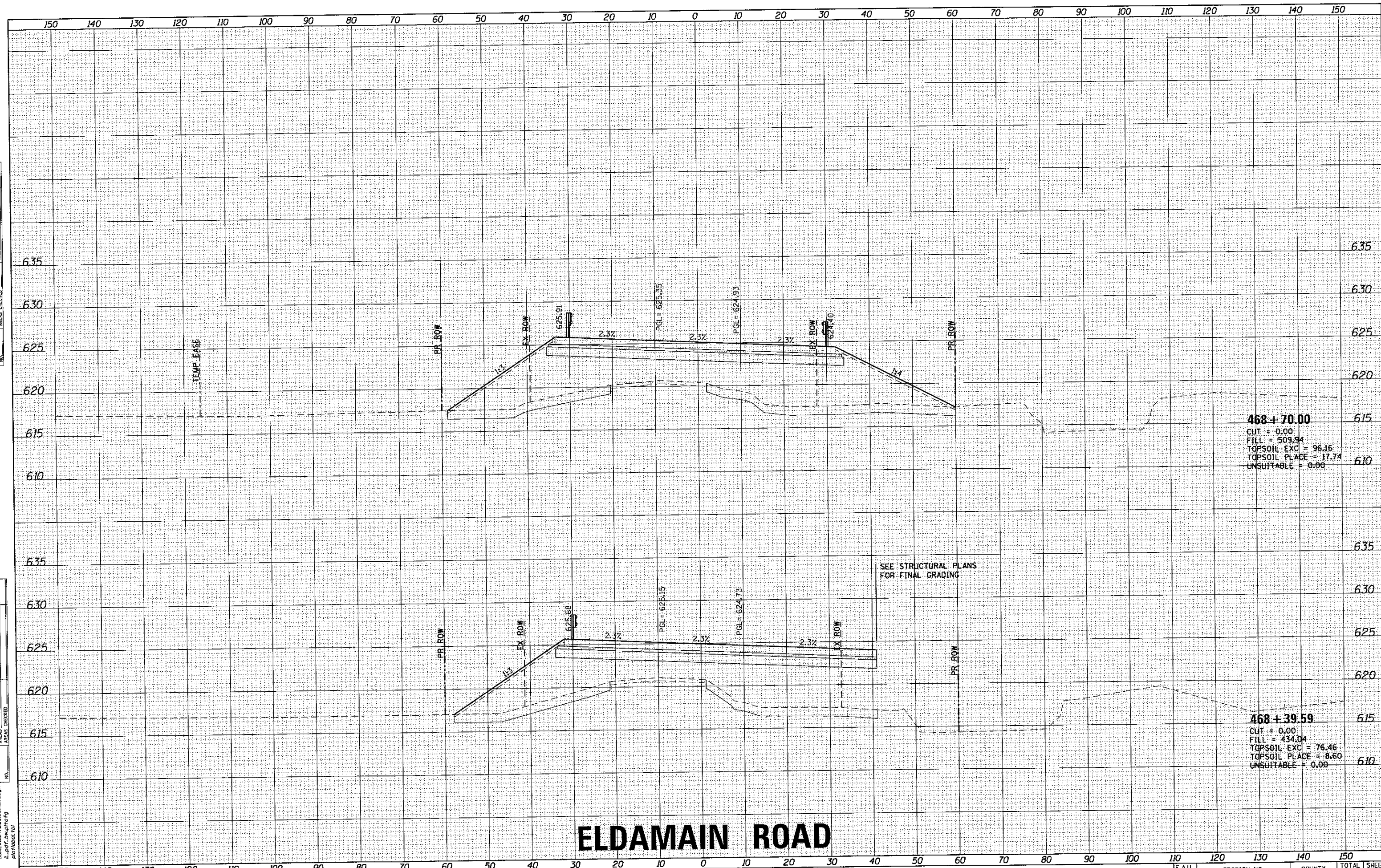
SCALE:	SHEET NO. OF SHEETS	STA. 467+79.33 TO STA. 468+09.29
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F.A.J. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	179
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 8766				

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

880303B
 HRG PROJECT NO. 1
 HRG PROJ. CONTACT:
 FILE NAME: 3816_ksmt04_eldmain.dgn
 PLOT DRIVER: z_plot.dwg
 PEN TABLE: plotlabel.tbl



468 + 70.00
 CUT = 0.00
 FILL = 509.94
 TOPSOIL EXC = 96.16
 TOPSOIL PLACE = 17.74
 UNSUITABLE = 0.00

468 + 39.59
 CUT = 0.00
 FILL = 434.04
 TOPSOIL EXC = 76.46
 TOPSOIL PLACE = 8.60
 UNSUITABLE = 0.00

SEE STRUCTURAL PLANS FOR FINAL GRADING

ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
 ELDAMAIN ROAD

USER NAME = rbest	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 5/15/2017	DATE - 5/15/17	REVISED -

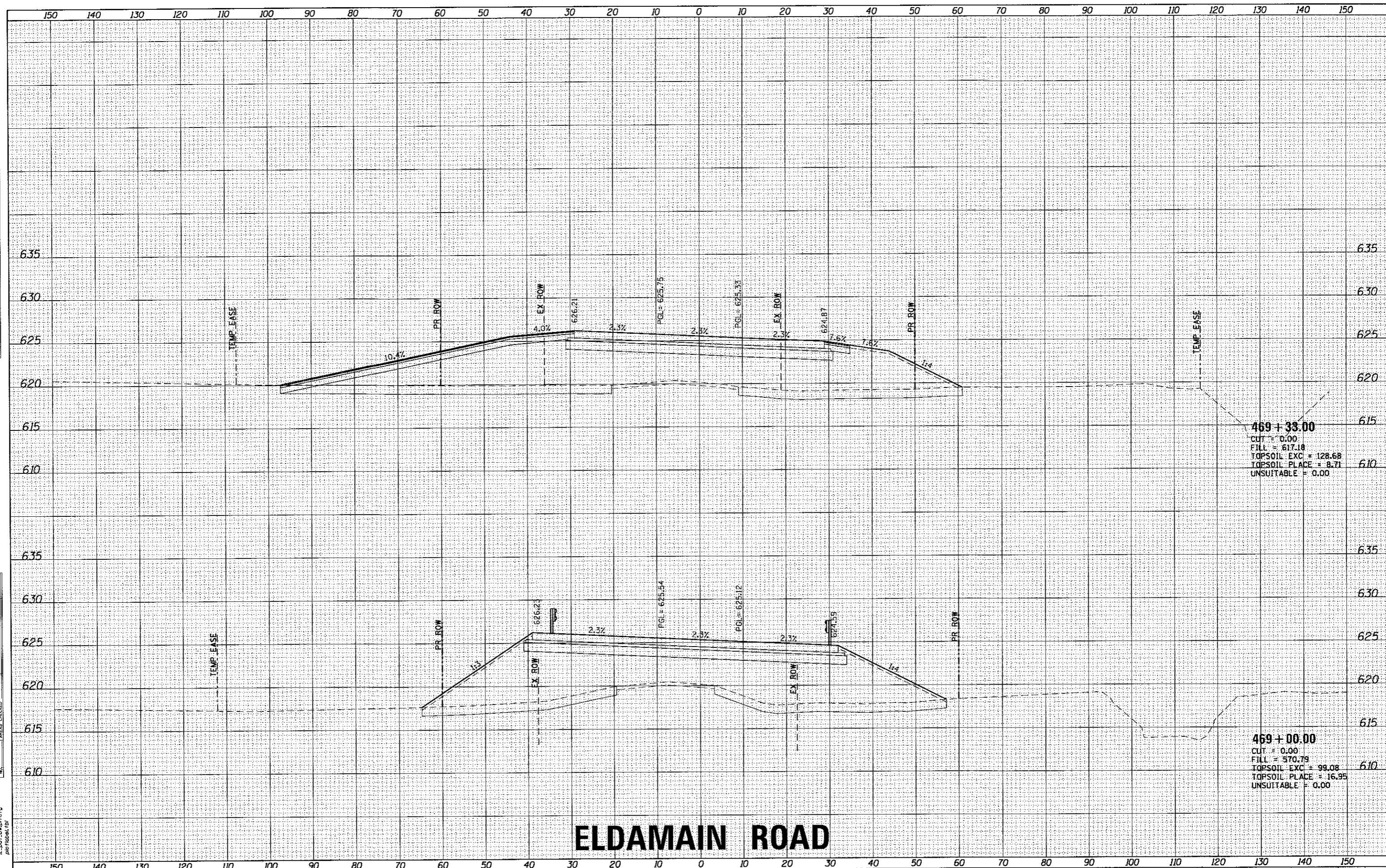
SCALE:	SHEET NO. OF SHEETS	STA. 468+39.59 TO STA. 468+70.00	F.A.U. RTE. 4000	SECTION NO. 16-00136-00-RP	COUNTY KENDALL	TOTAL SHEETS 237	SHEET NO. 180
			CONTRACT NO. 87666				
			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

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 Illinois Professional Design Firm
 #104-011322

DATE	
BY	
FINAL SURVEY	
TEMPLAT	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
TEMPLAT	
NOTE BOOK	
AREAS CHECKED	

HRG PROJECT NO. 883038
 HRG PROJ. CONTACT: 361.458.1101/eldmain.dgn
 FILE NAME: il_dof.dwg/ctg
 PLOT DRIVER: pldtbltbl.tbl
 PEN TABLE:



ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
ELDAMAIN ROAD



USER NAME = rbest	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 5/15/2017	DATE - 5/15/17	REVISED -

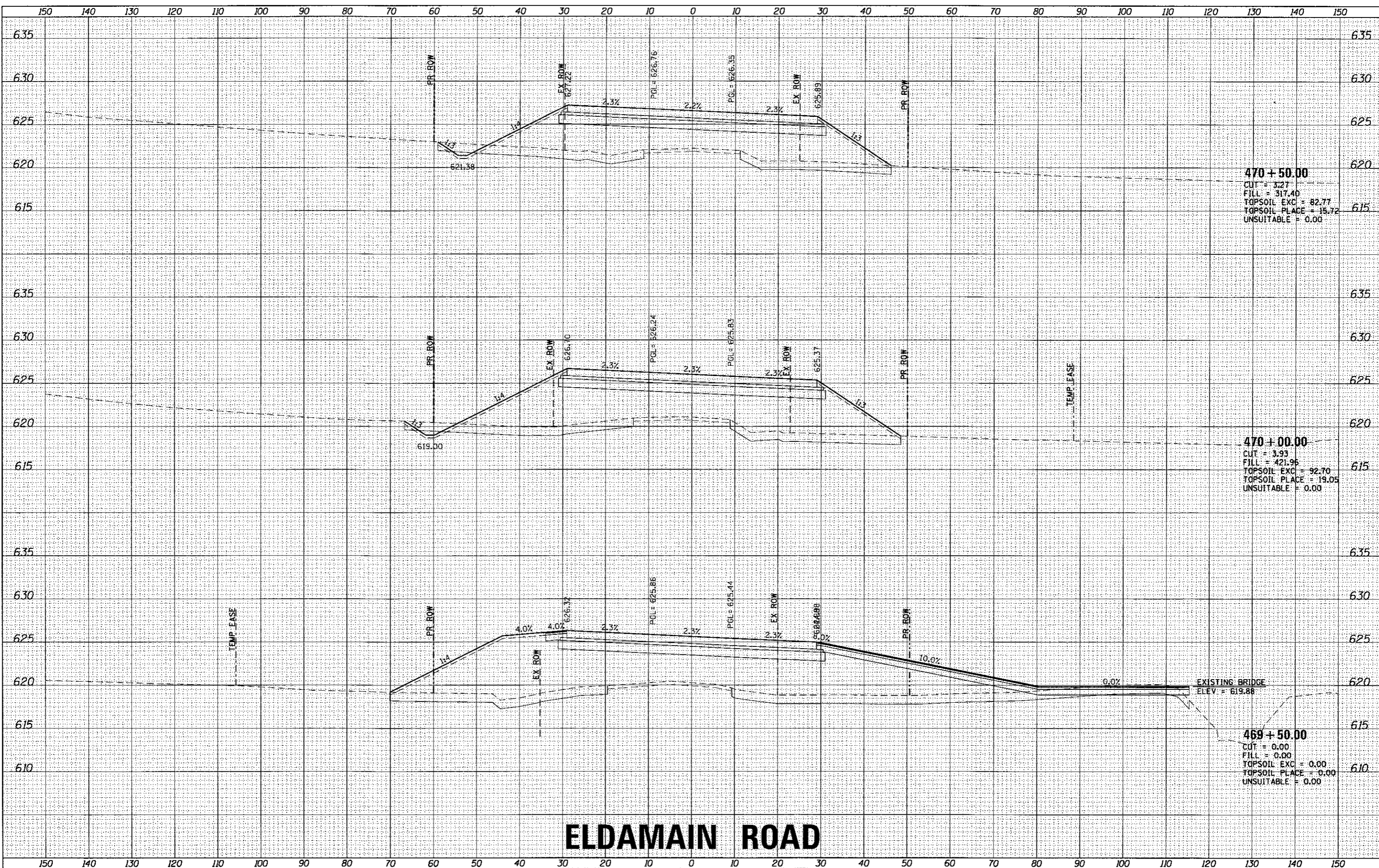
SCALE:	SHEET NO.	OF SHEETS	STA. 469+00.00 TO STA. 469+33.00
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F.A.I. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	181
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 87666	

FINAL SURVEY	DATE
SURVEYED	BY
PLANNED	
TEMPLATE	
AREAS	
AREAS CHECKED	
NO.	

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

HRG PROJECT NO. 16120381
 HRG PROJ. CONTACT: JBA_xashtol_aldamain-07
 FILE NAME: E:\proj\hw\hrfy
 PLOT DRIVER: plotlabel.tbl
 PEN TABLE:



ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
ELDAMAIN ROAD

USER NAME = rbest	DESIGNED - APS	REVISED -
PLOT SCALE =	DRAWN - RCB	REVISED -
PLOT DATE = 5/15/2017	CHECKED -	REVISED -
	DATE - 5/15/17	REVISED -

SCALE: SHEET NO. OF SHEETS STA. 469+50.00 TO STA. 470+50.00

F.A.I. RTE. 4000	SECTION NO. 16-00136-00-RP	COUNTY KENDALL	TOTAL SHEETS 237	SHEET NO. 182
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT CONTRACT NO. 87666		

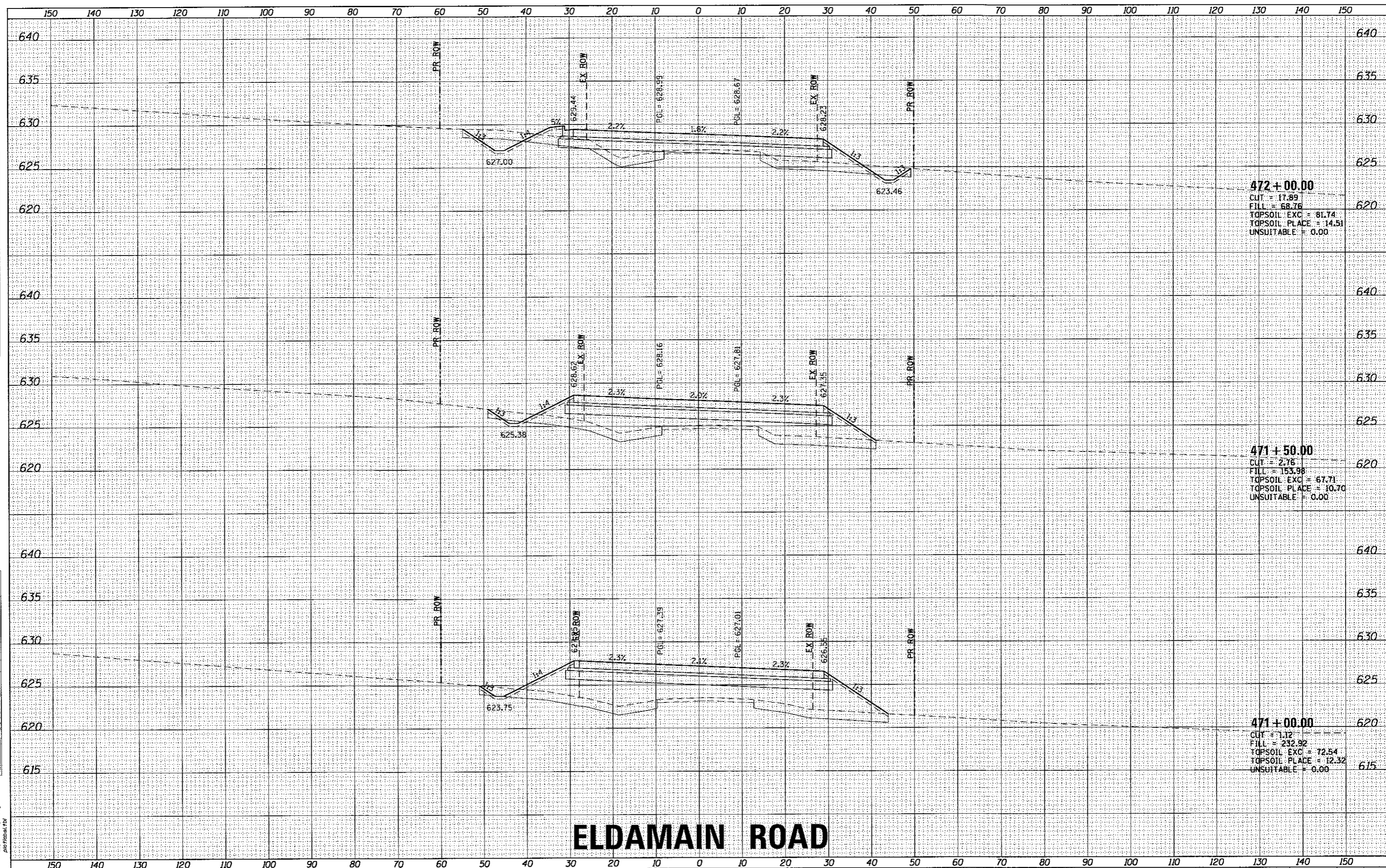


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 Illinois Professional Design Firm
 #164-001322

DATE	
BY	
ENGINEER	
PLANNER	
TEMPLATE	
NOTE BOOK	
AREAS	
CHECKED	

DATE	
BY	
ENGINEER	
PLANNER	
TEMPLATE	
NOTE BOOK	
AREAS	
CHECKED	

HRG PROJECT NO: 882028H
 HRC PROJ. CONTACT: 38A-xash+04.ardmch.dgn
 FILE NAME: h_def.dwg
 PLOT DRIVER: plottbl.tbl
 PEN TABLE:



ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

USER NAME = rbest	DESIGNED - APS	REVISED -
PLOT SCALE =	DRAWN - RCB	REVISED -
PLOT DATE = 5/15/2017	CHECKED -	REVISED -
	DATE - 5/15/17	REVISED -

CROSS SECTIONS			
ELDAMAIN ROAD			
SCALE:	SHEET NO.	OF SHEETS	STA. 471+00.00 TO STA. 472+00.00

F.A.I.L. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	183
FED. ROAD DIST. NO.				ILLINOIS FED. AID PROJECT
				CONTRACT NO. 87666

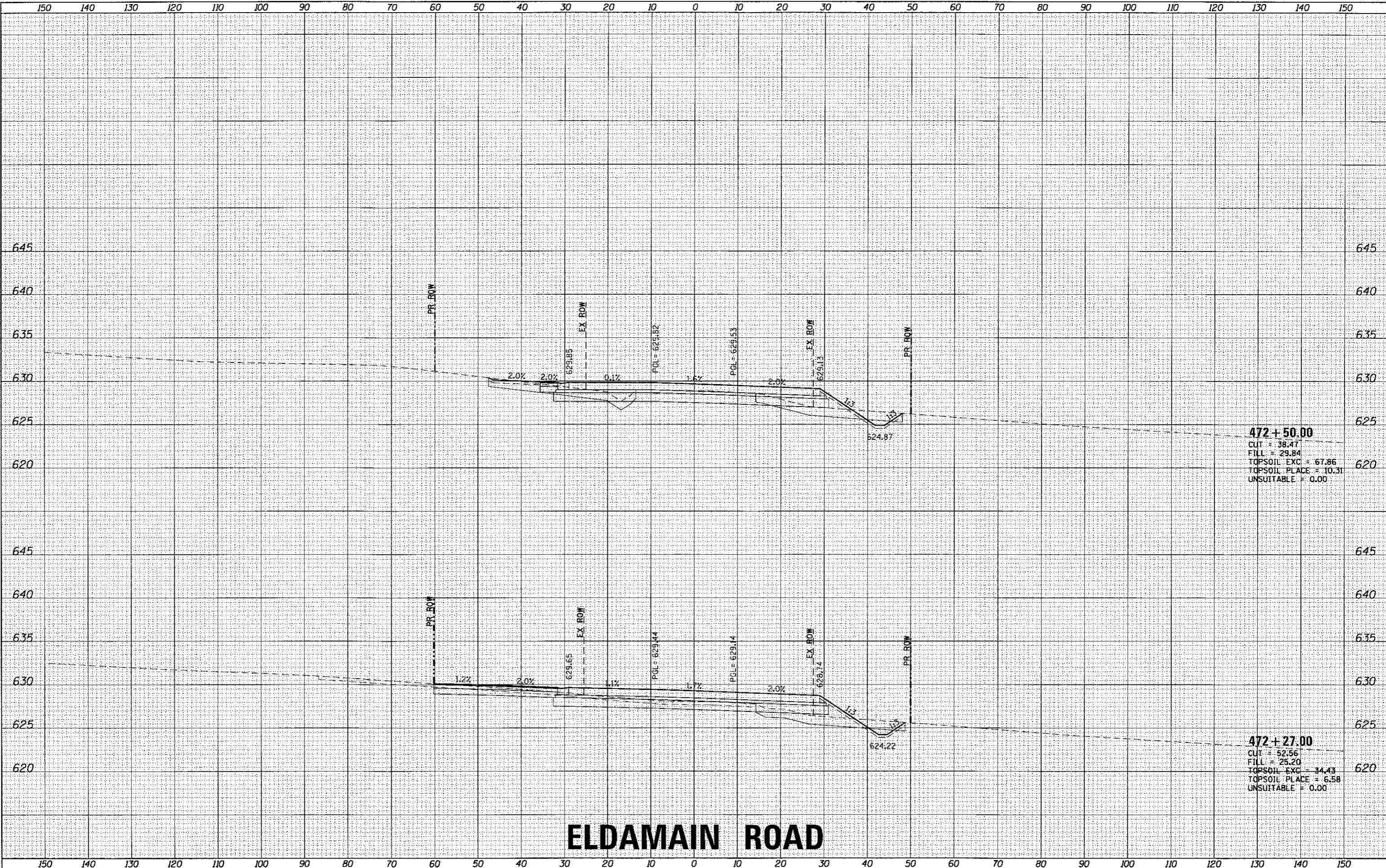


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FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
CHECKED		
NO.		

HRG PROJECT NO. 1
 HRG PROJ. CONTACT
 FILE NAME
 PLOT DRIVER
 PEN TABLE



472 + 50.00
 CUT = 38.47
 FILL = 29.84
 TOPSOIL EXC = 67.86
 TOPSOIL PLACE = 10.31
 UNSUITABLE = 0.00

472 + 27.00
 CUT = 52.56
 FILL = 25.20
 TOPSOIL EXC = 34.43
 TOPSOIL PLACE = 6.58
 UNSUITABLE = 0.00

ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
 ELDAMAIN ROAD



USER NAME = rcbst	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 5/15/2017	DATE - 5/15/17	REVISED -

DESIGNED - APS	REVISED -
DRAWN - RCB	REVISED -
CHECKED -	REVISED -
DATE - 5/15/17	REVISED -

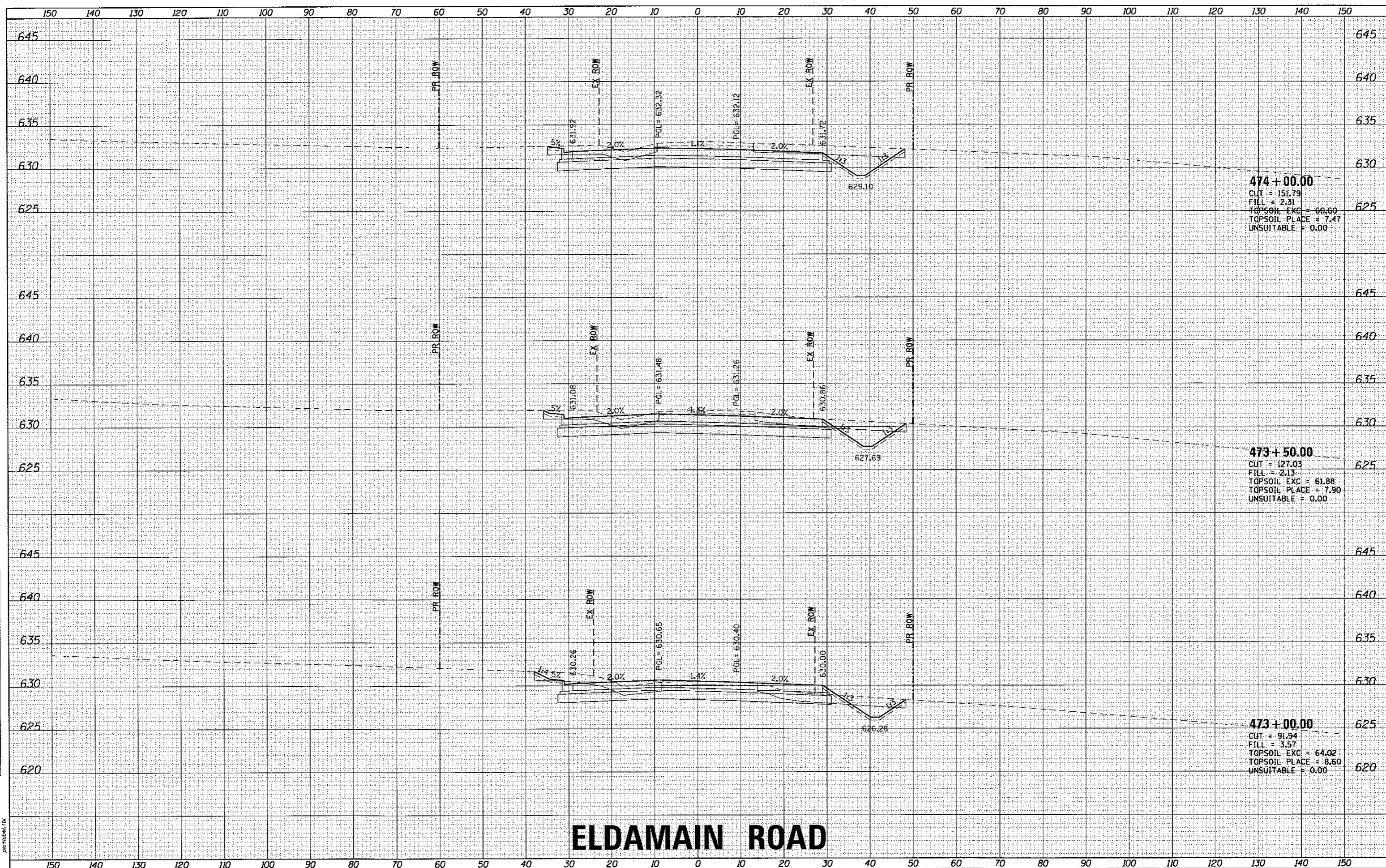
SCALE:	SHEET NO.	OF	SHEETS	STA. 472+27.00	TO STA. 472+50.00
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F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	184
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	CONTRACT NO. 87666

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

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

HRC PROJECT NO. 4
 HRC PROJ. CONTACT
 FILE NAME: 38d_kash10_eldmain.dgn
 PLOT DRIVER: il_def_wplotcrg
 PEN TABLE: pcttable.tbl



474 + 00.00
 CUT = 151.79
 FILL = 2.31
 TOPSOIL EXC = 66.60
 TOPSOIL PLACE = 7.47
 UNSUITABLE = 0.00

473 + 50.00
 CUT = 127.05
 FILL = 2.13
 TOPSOIL EXC = 61.88
 TOPSOIL PLACE = 7.90
 UNSUITABLE = 0.00

473 + 00.00
 CUT = 91.94
 FILL = 3.57
 TOPSOIL EXC = 64.02
 TOPSOIL PLACE = 8.60
 UNSUITABLE = 0.00

ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

**CROSS SECTIONS
ELDAMAIN ROAD**



USER NAME = rbest	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 5/15/2017	DATE - 5/15/17	REVISED -

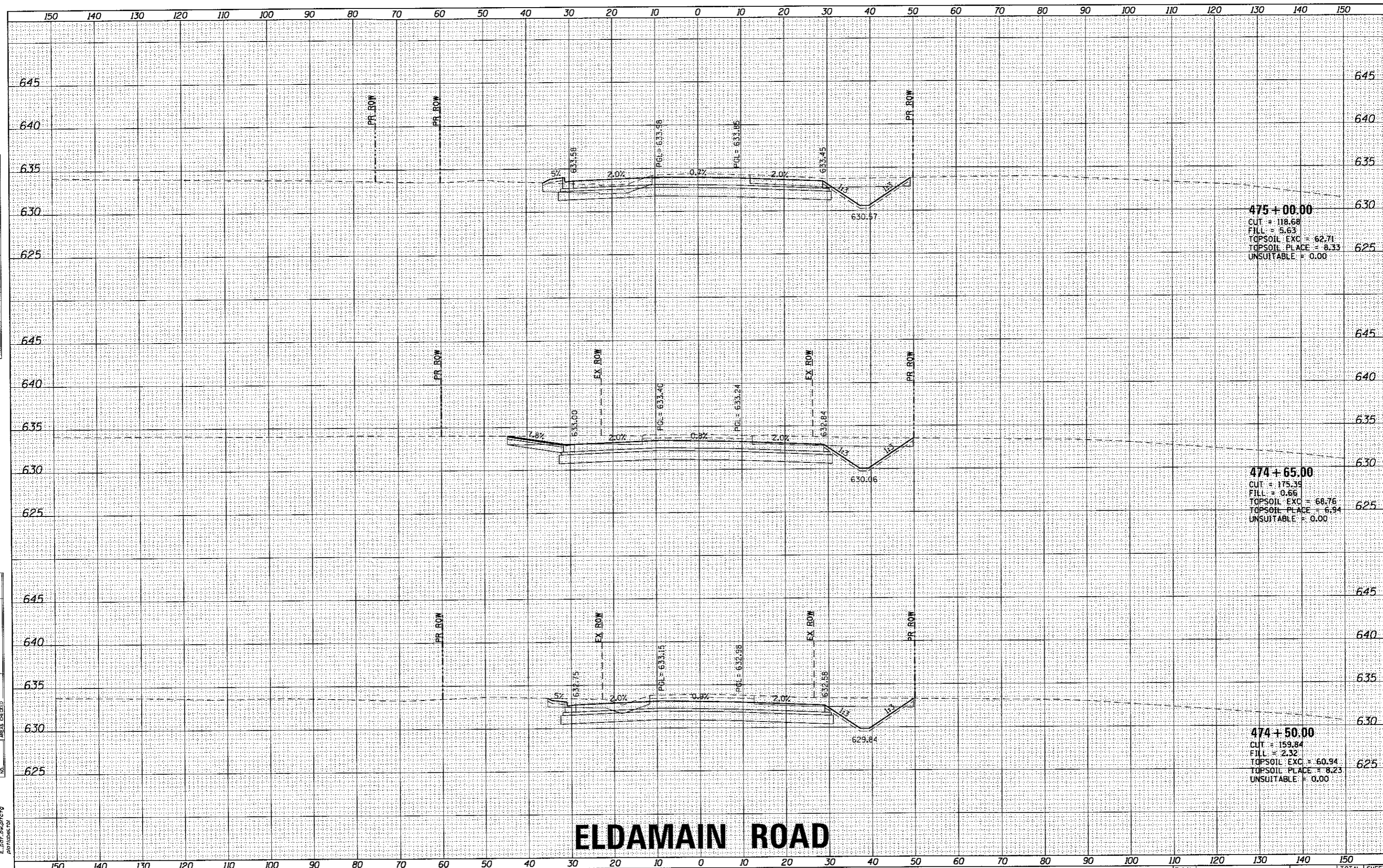
SCALE:	SHEET NO.	OF SHEETS	STA. 473+00.00 TO STA. 474+00.00
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F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	185
CONTRACT NO. 87666				

DATE	
BY	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

HRG PROJECT NO.: 0802038
 HRG PROJ. CONTACT: 384-4547/401-4800/401-4800
 PLOT NUMBER: 16-00136-00-RP
 PEN TABLE: physical.tbl



ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

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USER NAME = rbest	DESIGNED - APS	REVISED -
PLOT SCALE =	DRAWN - RCB	REVISED -
PLOT DATE = 5/15/2017	CHECKED -	REVISED -
	DATE - 5/15/17	REVISED -

SCALE:		SHEET NO. OF SHEETS		STA. 474+50.00 TO STA. 475+00.00	
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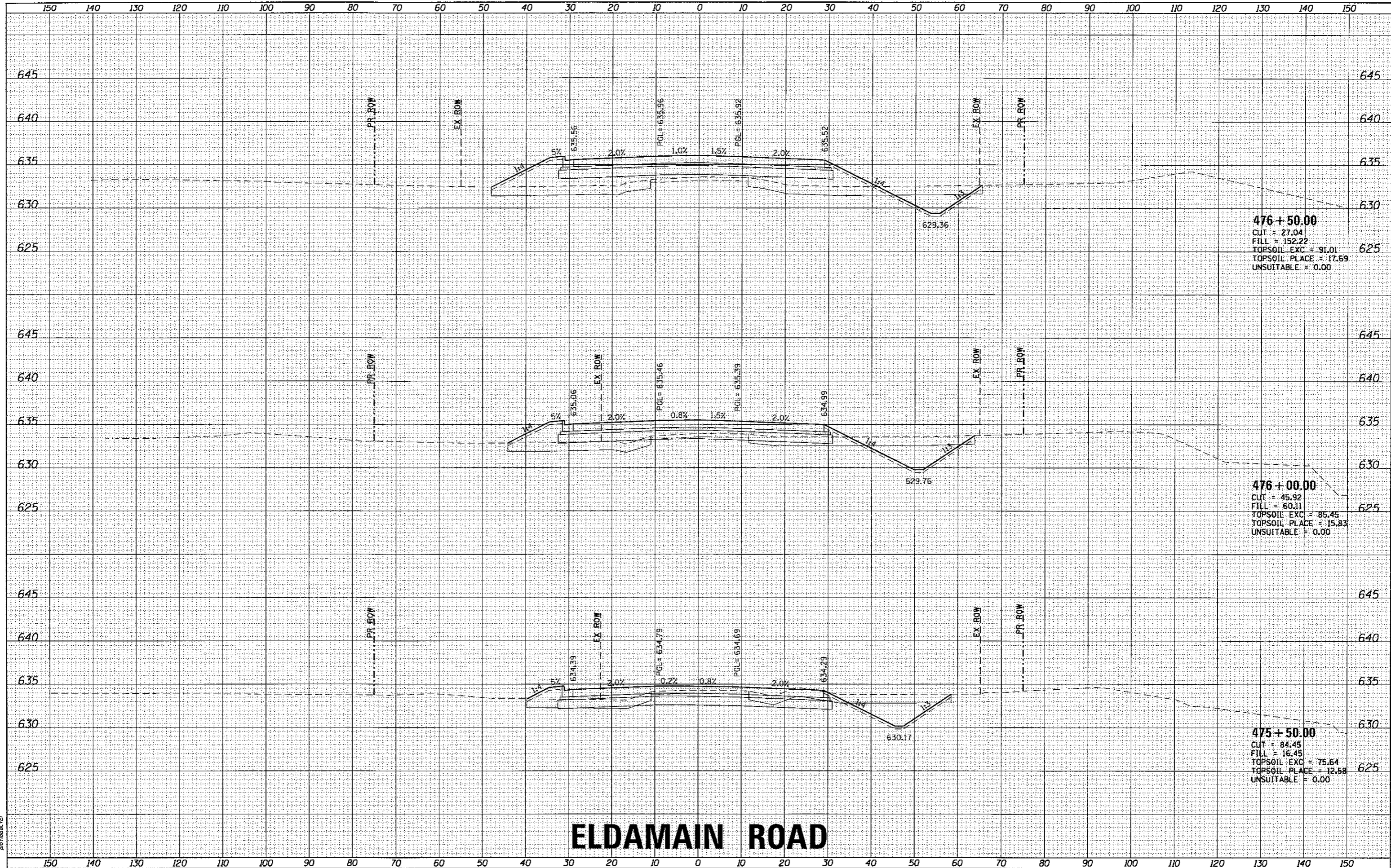
CROSS SECTIONS
ELDAMAIN ROAD

F.A.I.L. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	186
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 87666		

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

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

HRG PROJECT NO.: 885028
 HRG PROJ. CONTACT: BOB WASH/BOB.WASH@hr-green.com
 PLOT DRIVER: hrp2017
 PEN TABLE: psp10tbl.ctb



476 + 50.00
 CUT = 27.04
 FILL = 152.22
 TOPSOIL EXC = 91.01
 TOPSOIL PLACE = 17.69
 UNSUITABLE = 0.00

476 + 00.00
 CUT = 45.92
 FILL = 60.11
 TOPSOIL EXC = 85.45
 TOPSOIL PLACE = 15.83
 UNSUITABLE = 0.00

475 + 50.00
 CUT = 84.45
 FILL = 16.45
 TOPSOIL EXC = 75.64
 TOPSOIL PLACE = 12.58
 UNSUITABLE = 0.00

ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

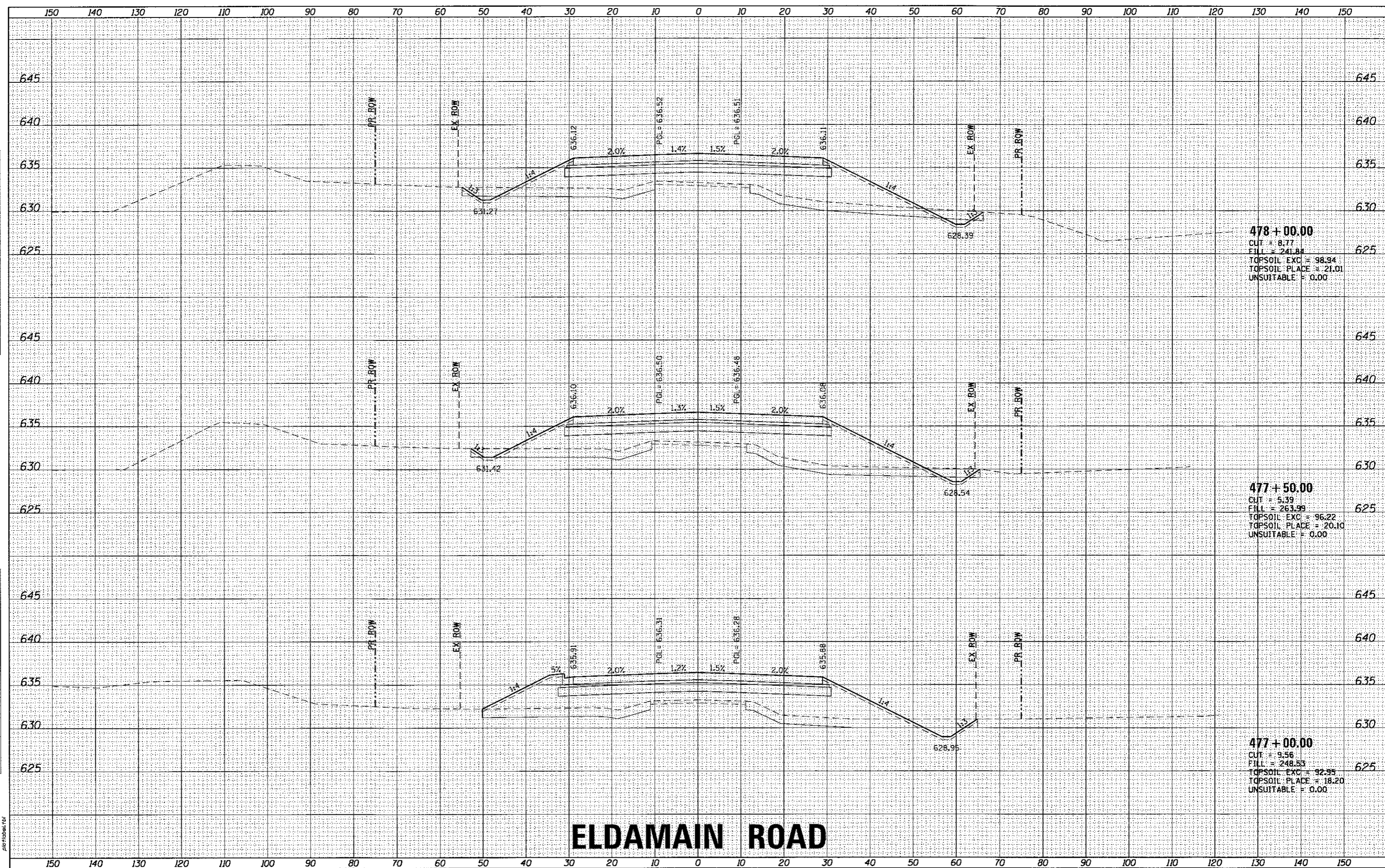
CROSS SECTIONS
 ELDAMAIN ROAD

USER NAME = rbest	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 5/15/2017	DATE - 5/15/17	REVISED -

SCALE:	SHEET NO.	OF SHEETS	STA. 475+50.00 TO STA. 476+50.00
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F.A.U. RTE. 4000	SECTION NO. 16-00136-00-RP	COUNTY KENDALL	TOTAL SHEETS 237	SHEET NO. 187
FED. ROAD DIST. NO.				ILLINOIS FED. AID PROJECT CONTRACT NO. 87666





ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
ELDAMAIN ROAD

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	188
CONTRACT NO. 87666				

BY	DATE

BY	DATE

HRG PROJECT NO.: 881023B
 HRG PROJ. CONTACT: JBA_xssht10_eldmain.dgn
 FILE NAME: 16_inf_dp1017g
 PLOT DRIVER: pldriver.tbl

DESIGNED	-	APS	REVISED	-
DRAWN	-	RCB	REVISED	-
CHECKED	-		REVISED	-
DATE	-	5/15/17	REVISED	-

USER NAME = rbest
 PLOT SCALE =
 PLOT DATE = 5/15/2017

SCALE: SHEET NO. OF SHEETS STA. 477+00.00 TO STA. 478+00.00

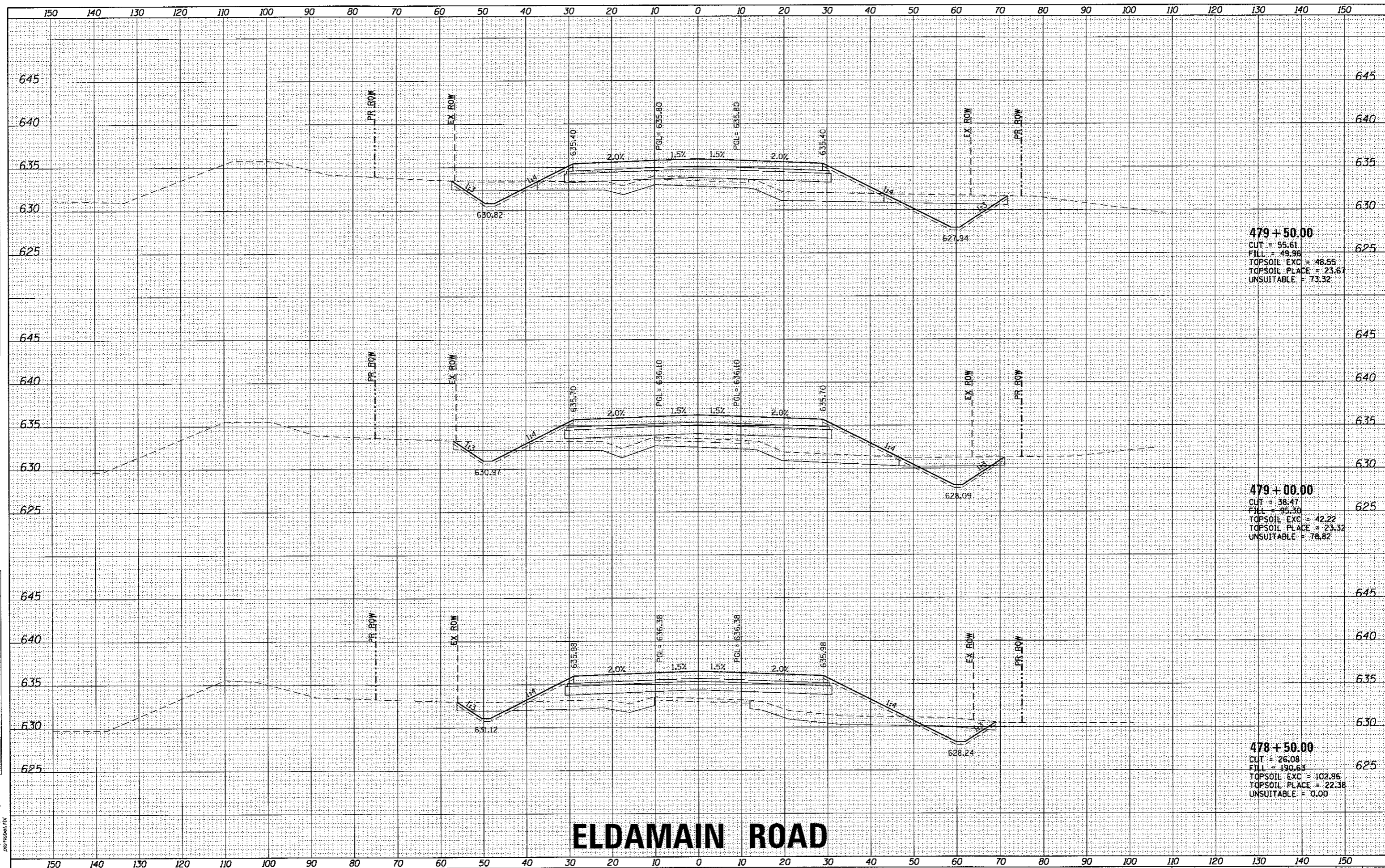


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DATE	
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REVISIONS	
NO.	
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REVISIONS	
NO.	
DATE	
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REVISIONS	
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DATE	
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REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	

HRG PROJECT NO: 8850387
 HRG PROJ. CONTACT: JBA-xasr10_aidmain.dgn
 FILE NAME: E_pof.dwg
 PLOT DRIVER: plotdwl.plt
 PEN TABLE:



ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
ELDAMAIN ROAD

USER NAME = rbest	DESIGNED - APS	REVISED -
PLOT SCALE =	DRAWN - RCB	REVISED -
PLOT DATE = 5/15/2017	CHECKED -	REVISED -
	DATE - 5/15/17	REVISED -

SCALE: SHEET NO. OF SHEETS STA. 478+50.00 TO STA. 479+50.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	189
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 29666	

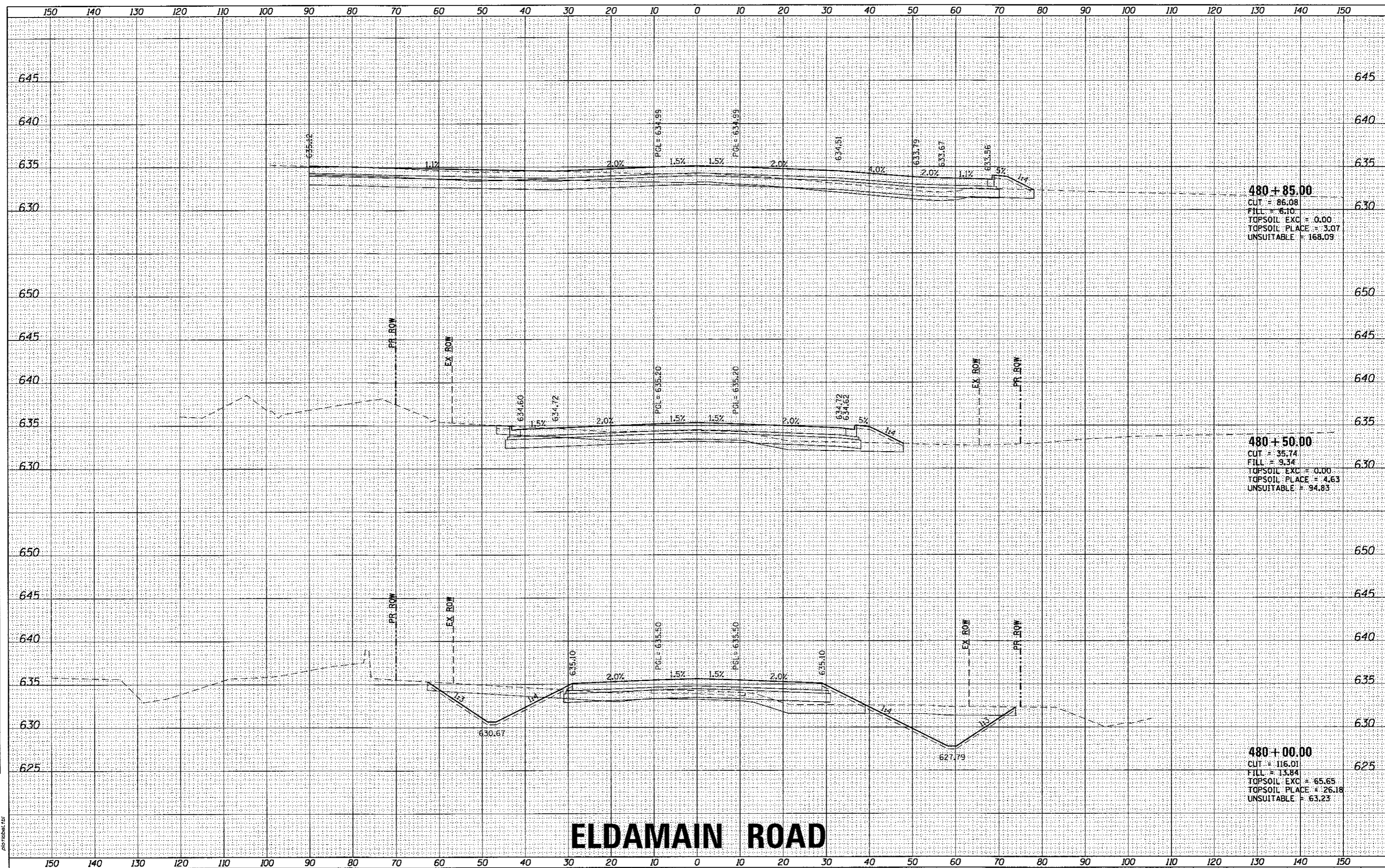


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Illinois Professional Design Firm
#104-001322

DATE	
BY	
REVISIONS	
SURVEY	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

DATE	
BY	
REVISIONS	
SURVEY	
PLOTTED	
TEMPLATE	
AREAS	
CHECKED	
NO.	

HRG PROJECT NO. 16-00136-RP
 HRG PROJ. CONTACT: JBL, jbl@hrgreen.com
 FILE NAME: E_16-00136-RP.dwg
 PLOT DRIVER: plotdrv10
 PEN TABLE: pen.tbl



ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

**CROSS SECTIONS
ELDAMAIN ROAD**

USER NAME = rbest	DESIGNED - APS	REVISED -
PLOT SCALE =	DRAWN - RCB	REVISED -
PLOT DATE = 5/15/2017	CHECKED -	REVISED -
	DATE - 5/15/17	REVISED -

SCALE: SHEET NO. OF SHEETS STA. 480+00.00 TO STA. 480+85.00

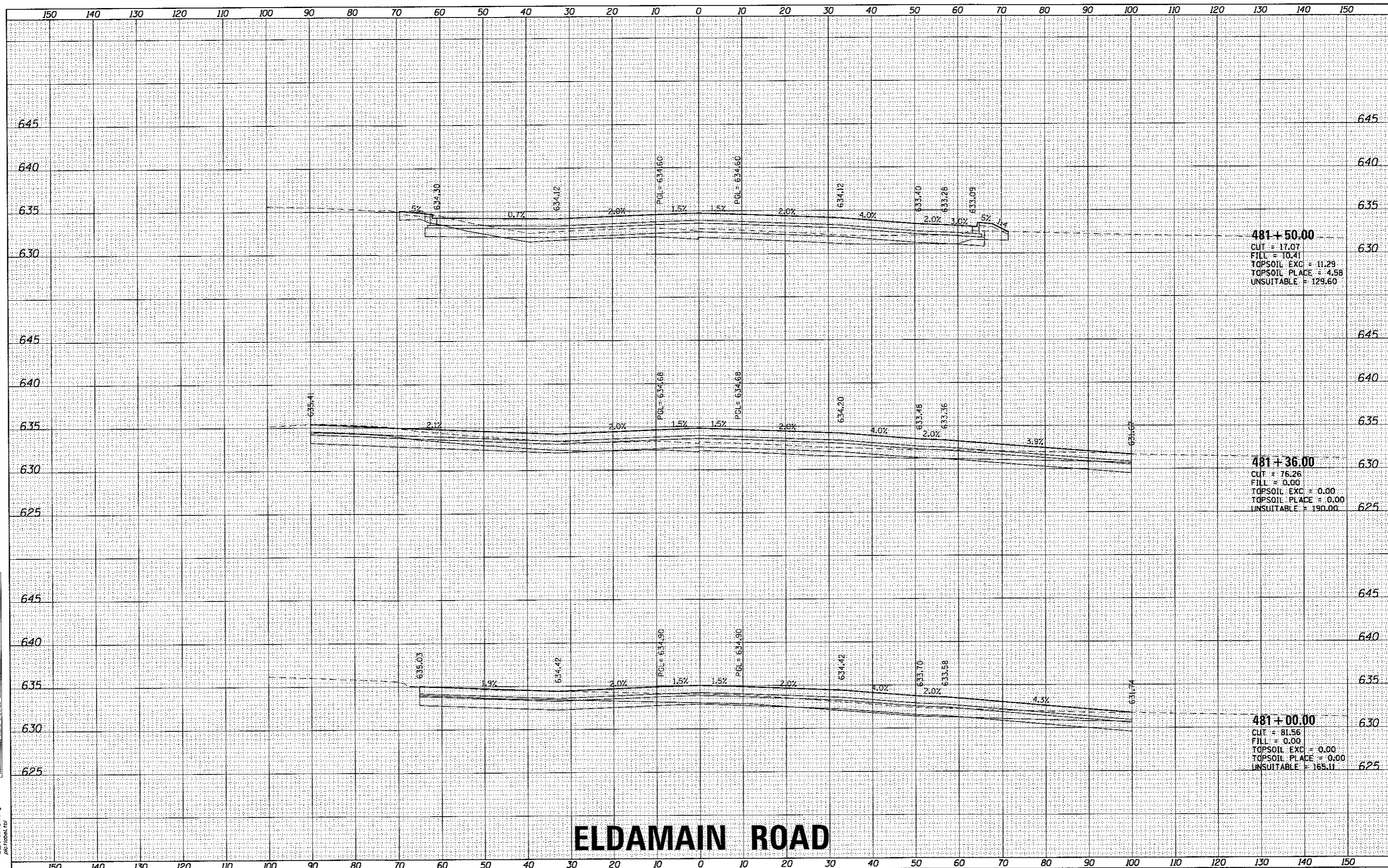
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	190
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 81666	



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

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

HRG PROJECT NO. 08020381
 HRG PROJ. CONTACT: JBA_xasr10@eldmain.com
 FILE NAME: IL_Dcf_bvapr17g
 PLOT DRIVER: pldtbltbl.tbl
 PEN TABLE:



ELDMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

**CROSS SECTIONS
ELDMAIN ROAD**

USER NAME = rbest	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 5/15/2017	DATE - 5/15/17	REVISED -

SCALE:	SHEET NO.	OF SHEETS	STA. 481+00.00 TO STA. 481+50.00
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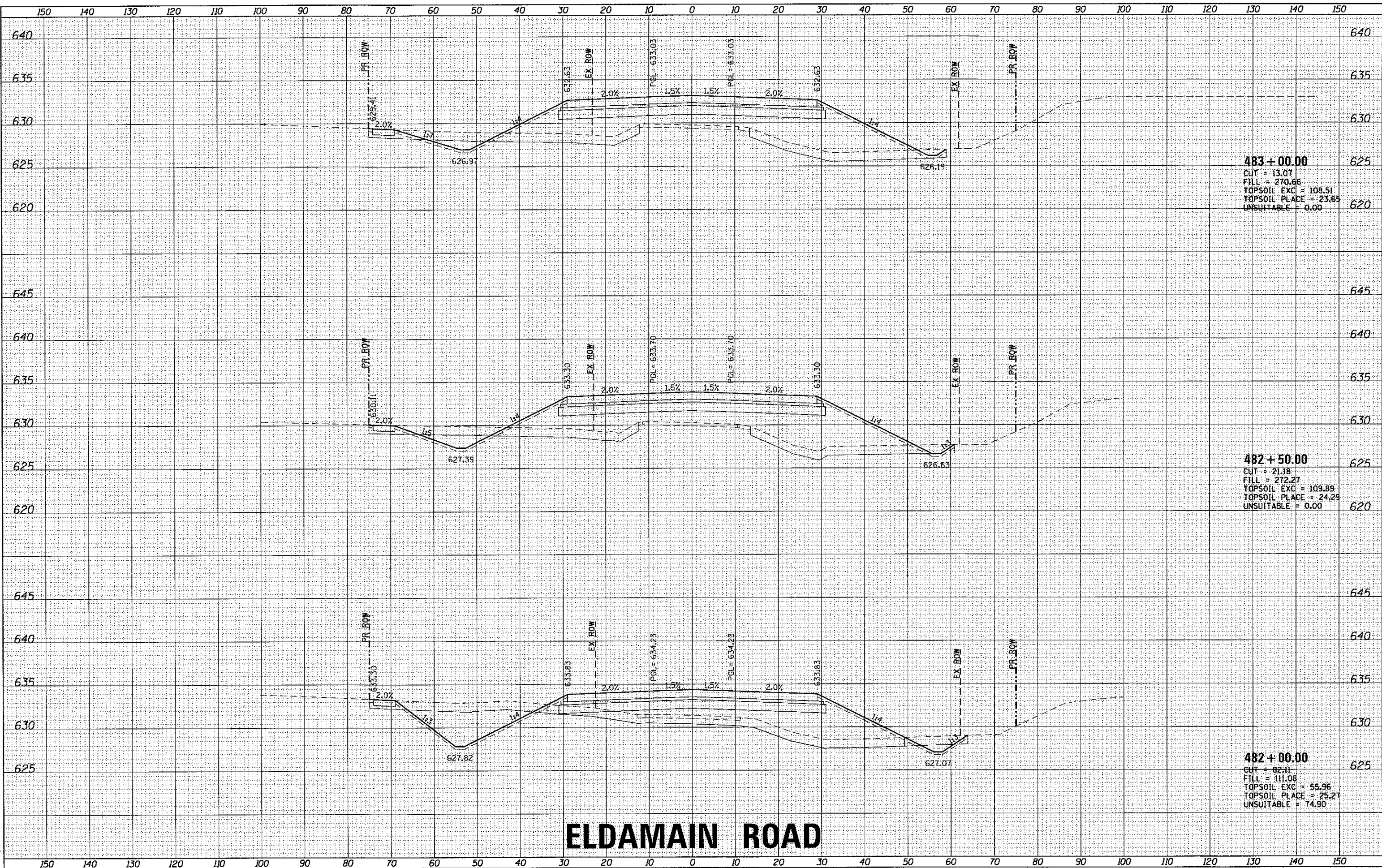
F. ALL RTE. 4000	SECTION NO. 16-00136-00-RP	COUNTY KENDALL	TOTAL SHEETS 237	SHEET NO. 191
FED. ROAD DIST. NO. ILLINOIS			FED. AID PROJECT CONTRACT NO. 87666	



BY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

BY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

HRG PROJECT NO: 8820281
 HRG PROJ CONTACT: JBA_xashtol_eldmain.dgn
 FILE NAME: E_pbf_bwp17c1g
 PLOT DRIVER: plotarea1.th



ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
ELDAMAIN ROAD

USER NAME = rbest	DESIGNED - APS	REVISED -
PLOT SCALE =	DRAWN - RCB	REVISED -
PLOT DATE = 5/15/2017	CHECKED -	REVISED -
	DATE - 5/15/17	REVISED -

SCALE:	SHEET NO.	OF SHEETS	STA. 482+00.00 TO STA. 483+00.00
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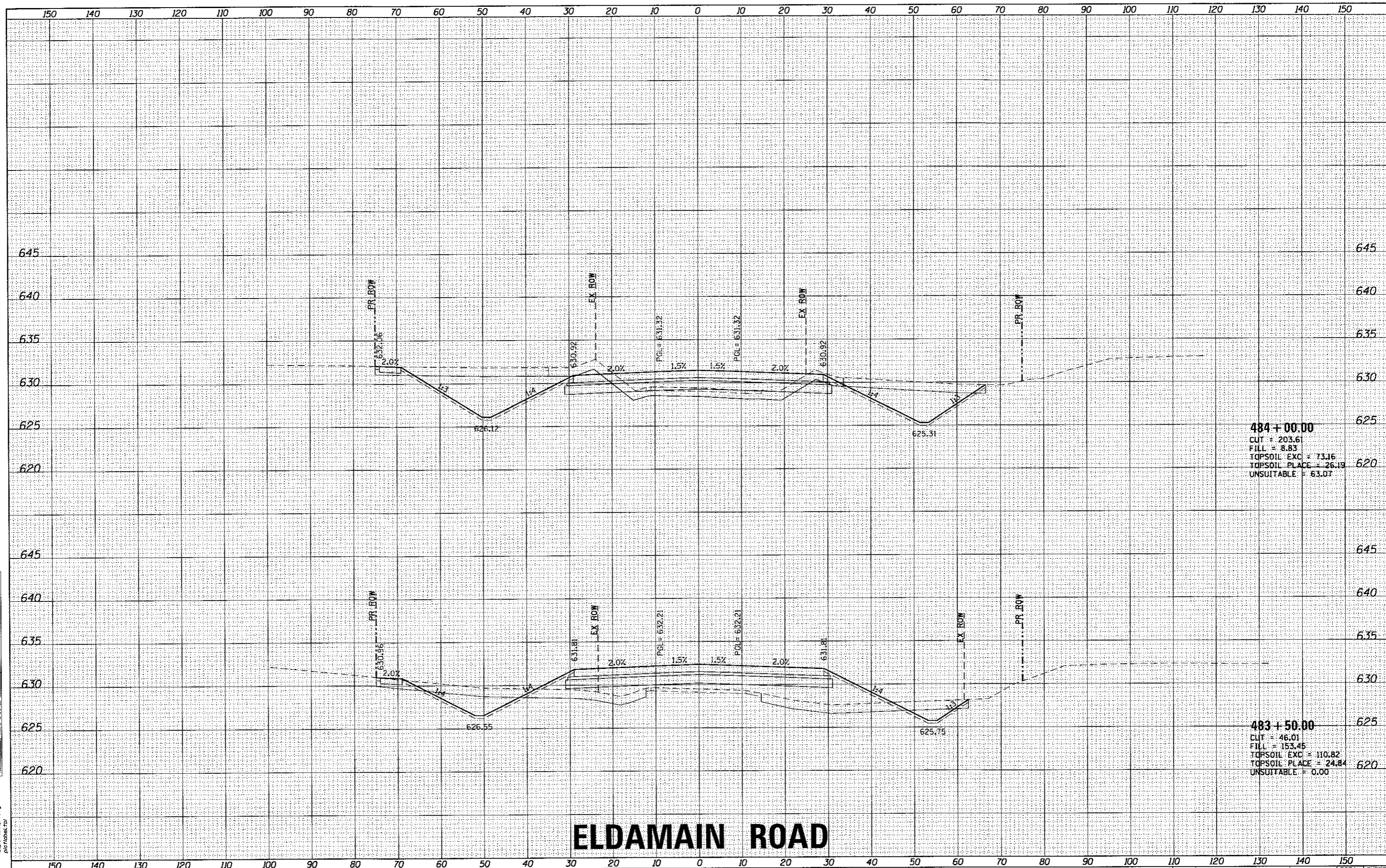
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	192
CONTRACT NO. 87666				



DATE	
BY	
REVIEWED	
SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS	
CHECKED	
NO.	

DATE	
BY	
REVIEWED	
SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS	
CHECKED	
NO.	

HRG PROJECT NO. 161830.01
 HRG PROJ. CONTACT: JBA_xasr10.eldmain.dgn
 FILE NAME: il_def_bmpctr.g
 PLOT DRIVER: plottbl.tbl
 PEN TABLE:



ELDMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
 ELDMAIN ROAD



USER NAME = rbest	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 5/15/2017	DATE - 5/15/17	REVISED -

DESIGNED - APS	REVISED -
DRAWN - RCB	REVISED -
CHECKED -	REVISED -
DATE - 5/15/17	REVISED -

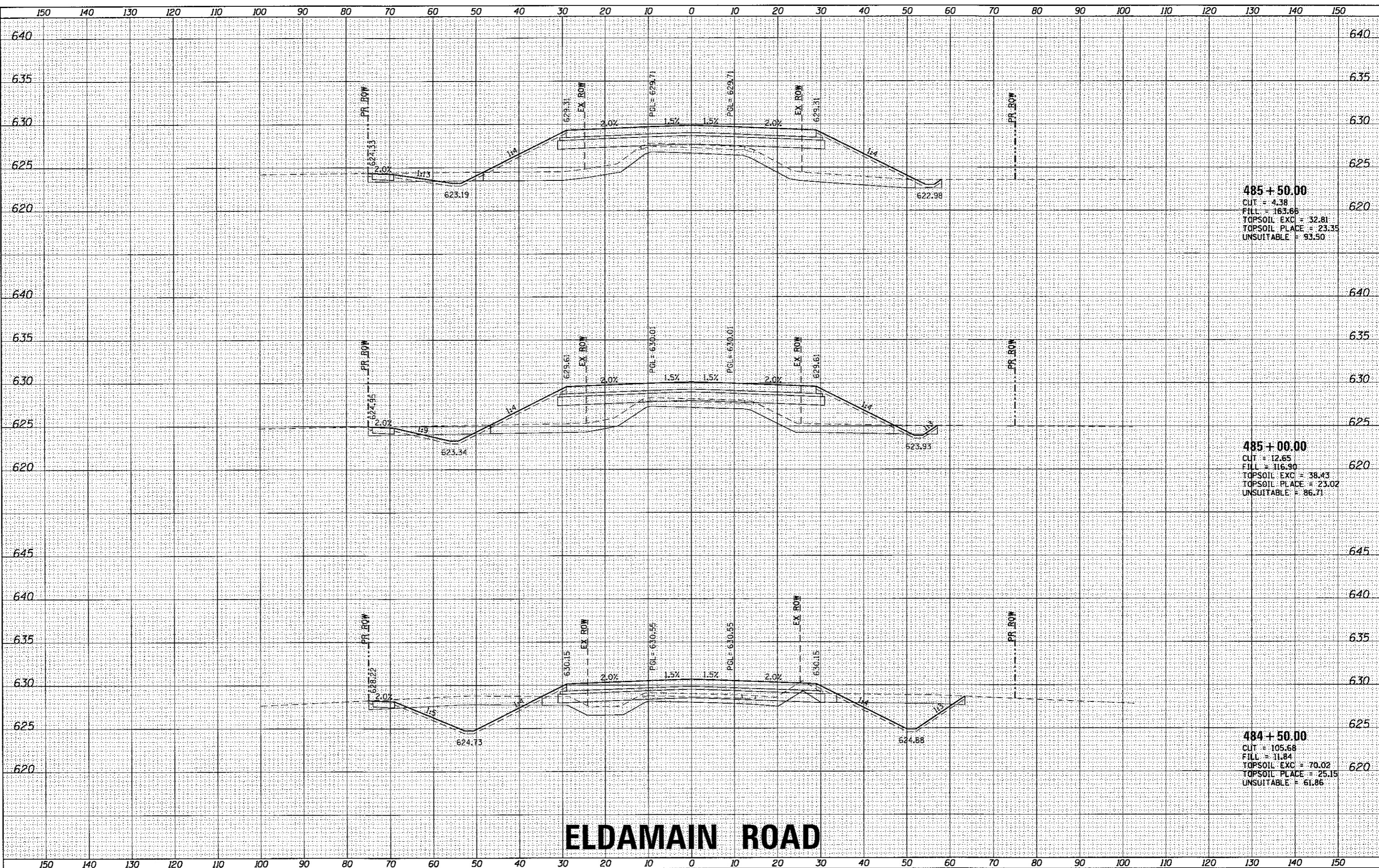
SCALE:	SHEET NO.	OF	SHEETS	STA. 483+50.00	TO STA. 484+00.00
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F.A.U. RTE. 4000	SECTION NO. 16-00136-00-RP	COUNTY KENDALL	TOTAL SHEETS 237	SHEET NO. 193
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 87666	

DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
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REVISIONS	
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DATE	
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REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	

HRG PROJECT NO. 16-00136-00-01
 HRG PROJ. CONTACT: JBA, kashy@eldmain.hrg.com
 FILE NAME: ELDMAIN.dwg
 PLOT DRIVER: plot_driver.plt
 PLOT TABLE: plot_table.tbl



ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

**CROSS SECTIONS
ELDAMAIN ROAD**



USER NAME =	-best
DESIGNED -	APS
DRAWN -	RCB
CHECKED -	
DATE -	5/15/17
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	

DESIGNED -	APS
DRAWN -	RCB
CHECKED -	
DATE -	5/15/17
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	

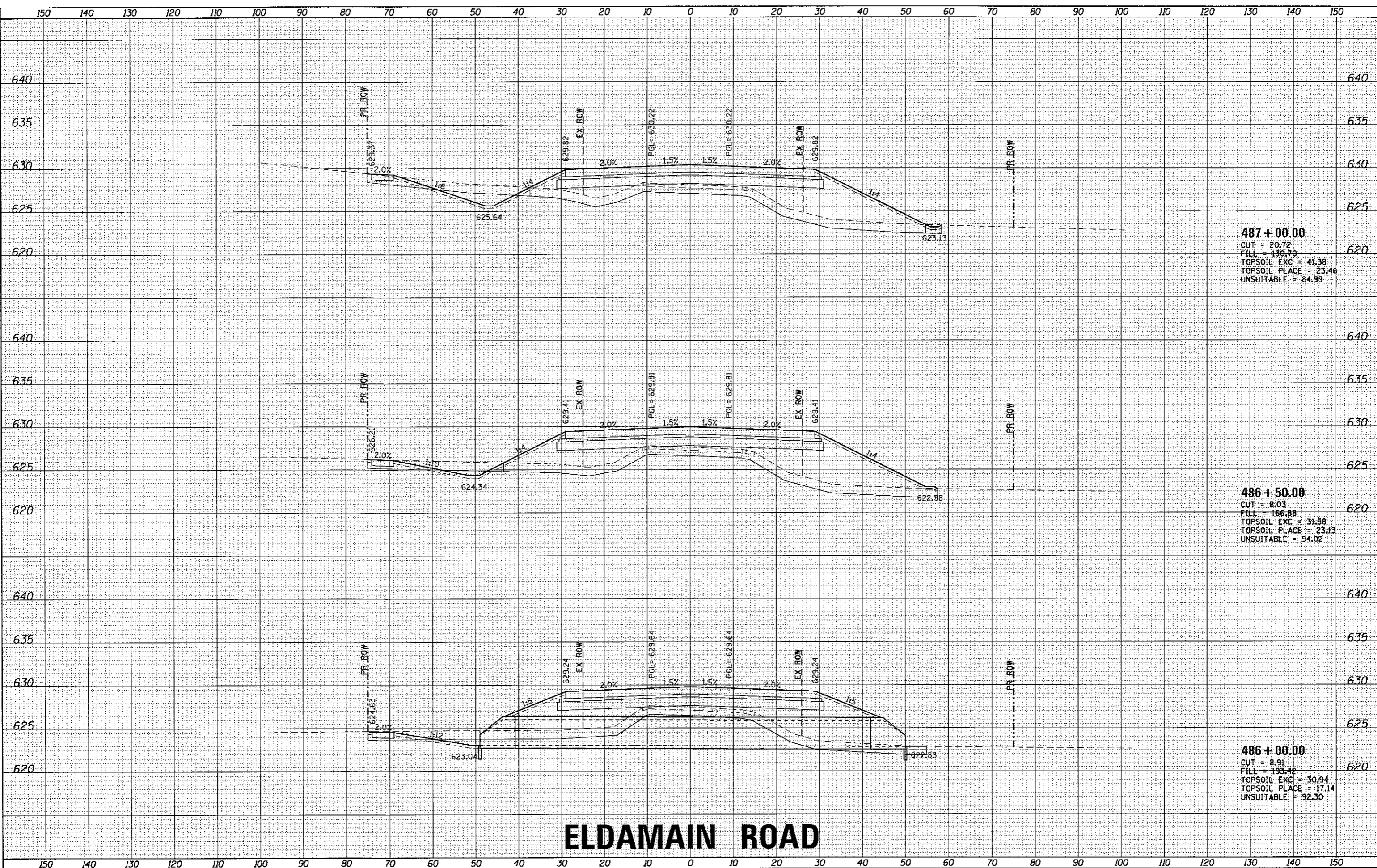
SCALE:	SHEET NO.	OF	SHEETS	STA. 484+50.00	TO STA. 485+50.00
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F.A.L. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	194
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 37666	

DATE	
BY	
FINAL SURVEY	
NOTED SURVEY	
PLOTTED	
TEMPLATE	
AREAS	
AREAS CHECKED	
NO.	

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

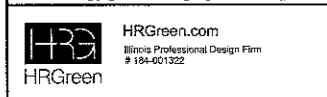
HRG PROJECT NO. 1
 HRG PROJ. CONTACT
 FILE NAME
 PLOT DRIVER
 PEN TABLE



ELDMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
ELDMAIN ROAD



USER NAME = rbest	DESIGNED - APS	REVISED -
PLLOT SCALE =	DRAWN - RCB	REVISED -
PLLOT DATE = 5/15/2017	CHECKED -	REVISED -
	DATE - 5/15/17	REVISED -

SCALE:	SHEET NO.	OF SHEETS	STA. 486+00.00 TO STA. 487+00.00
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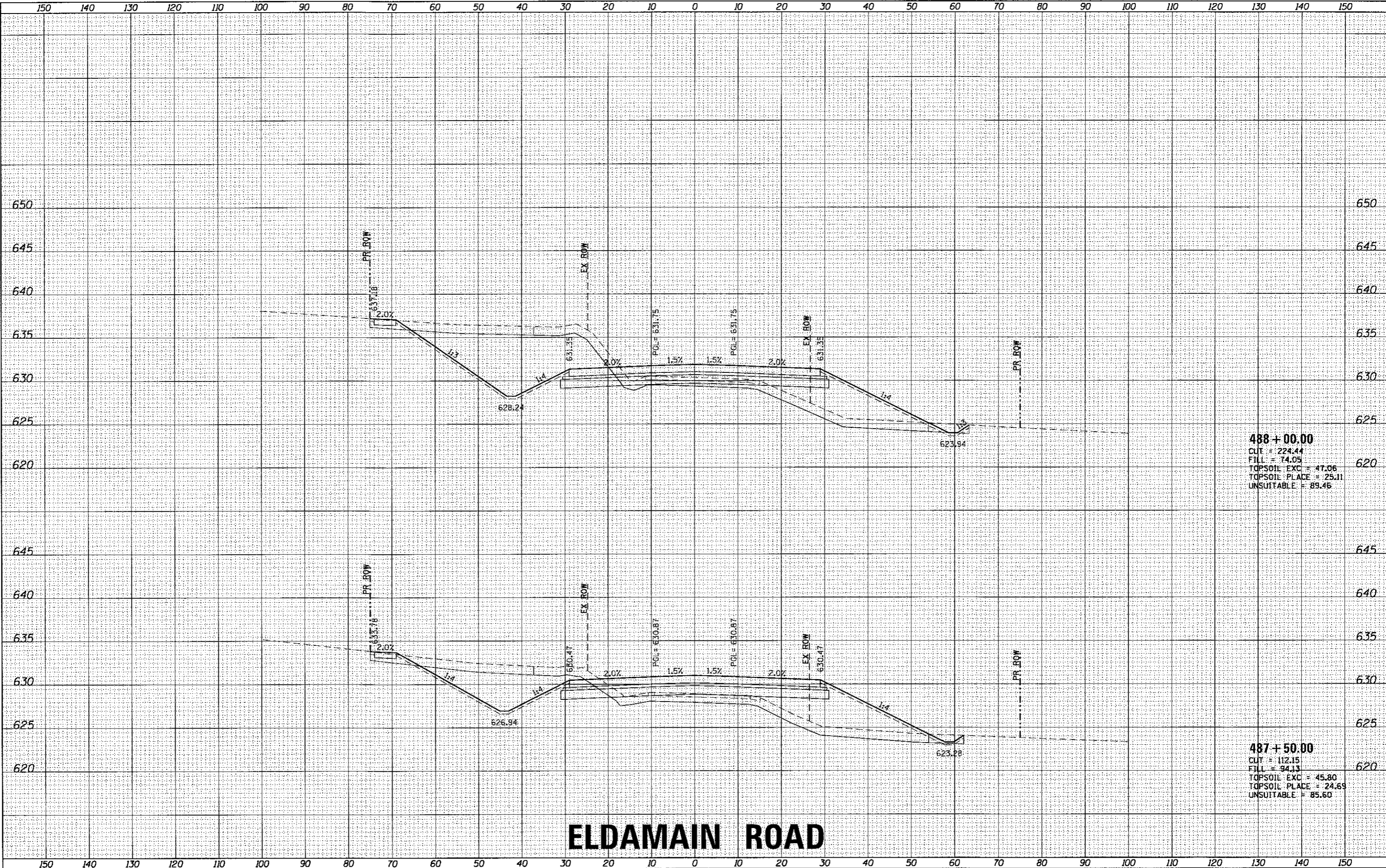
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	195
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

CONTRACT NO. 87666

DATE	
BY	
FINAL SURVEY	
NOTED SURVEY	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
NOTED SURVEY	
NOTE BOOK	
AREAS CHECKED	

HRG PROJECT NO.: 88/20381
 HRG PROJ. CONTACT: JBA_kash10a_sldmcmh.dgn
 FILE NAME: f_per_dwg107g
 PLOT DRIVER: plot10tbl.tbl



488 + 00.00
 CUT = 224.44
 FILL = 74.05
 TOPSOIL EXC = 47.06
 TOPSOIL PLACE = 25.11
 UNSUITABLE = 89.46

487 + 50.00
 CUT = 112.15
 FILL = 94.13
 TOPSOIL EXC = 45.80
 TOPSOIL PLACE = 24.69
 UNSUITABLE = 85.60

ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
 ELDAMAIN ROAD



USER NAME = rbest	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
	CHECKED -	REVISED -
	DATE - 5/15/17	REVISED -

SCALE:	SHEET NO.	OF SHEETS	STA. 487+50.00 TO STA. 488+00.00
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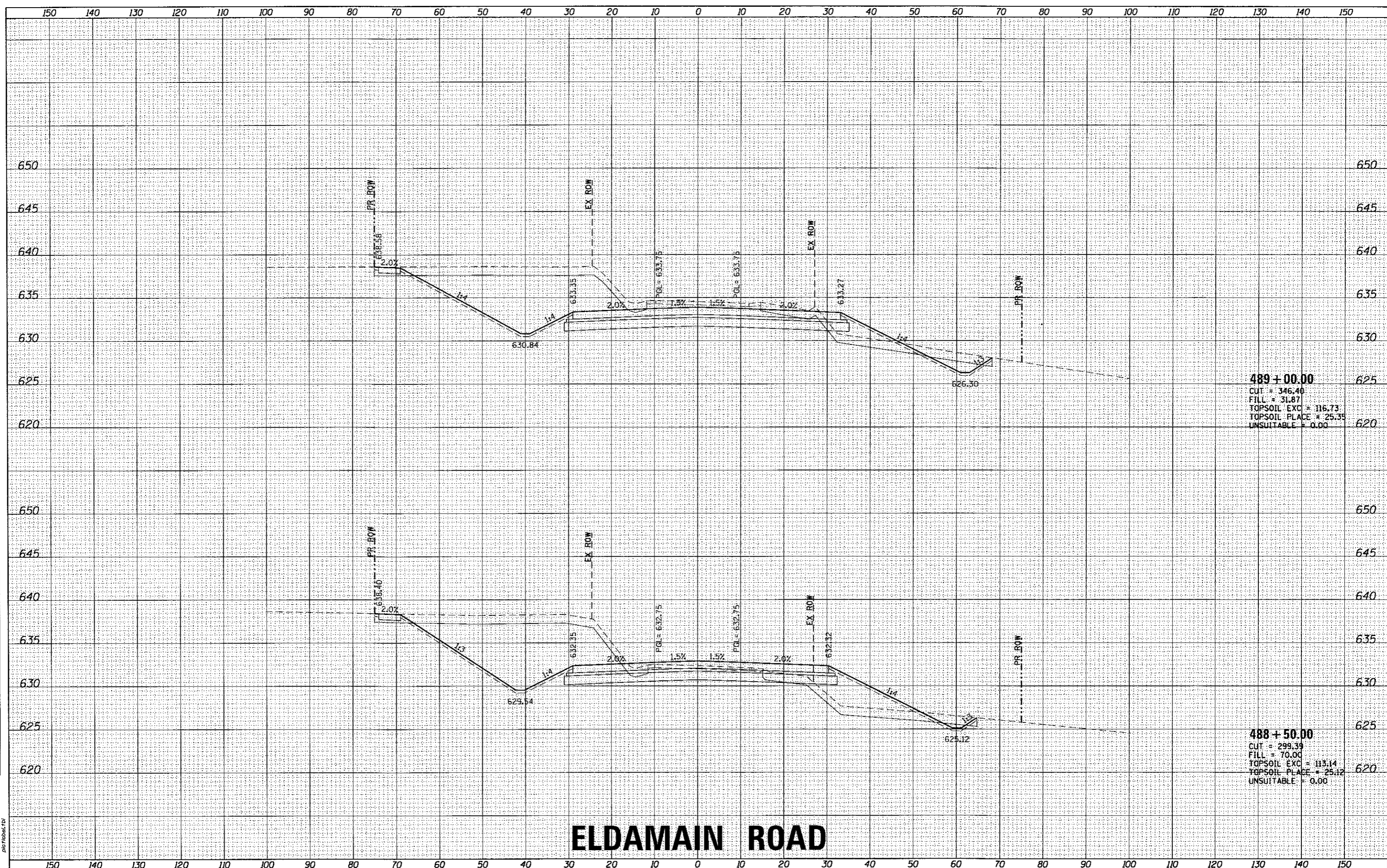
F.A.U. RTE. 4000	SECTION NO. 16-00136-00-RP	COUNTY KENDALL	TOTAL SHEETS 237	SHEET NO. 196
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FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 87666
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FINAL SURVEY	SUBMITTED	DATE
NOTE BOOK	PLOTTED	BY
NO.	TEMPLATE	
	AREAS CHECKED	

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

HRG PROJECT NO. 16-00136
 HRG PROJ. CONTACT: JBA_xsr110.eldmain.ogn
 FILE NAME: E_16-00136-00-00-00.dwg
 PLOT DRIVER: plot_driver.tbl
 PLOT TABLE:



ELDMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
ELDMAIN ROAD



USER NAME = rbest	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE = 5/15/17	DATE - 5/15/17	REVISED -

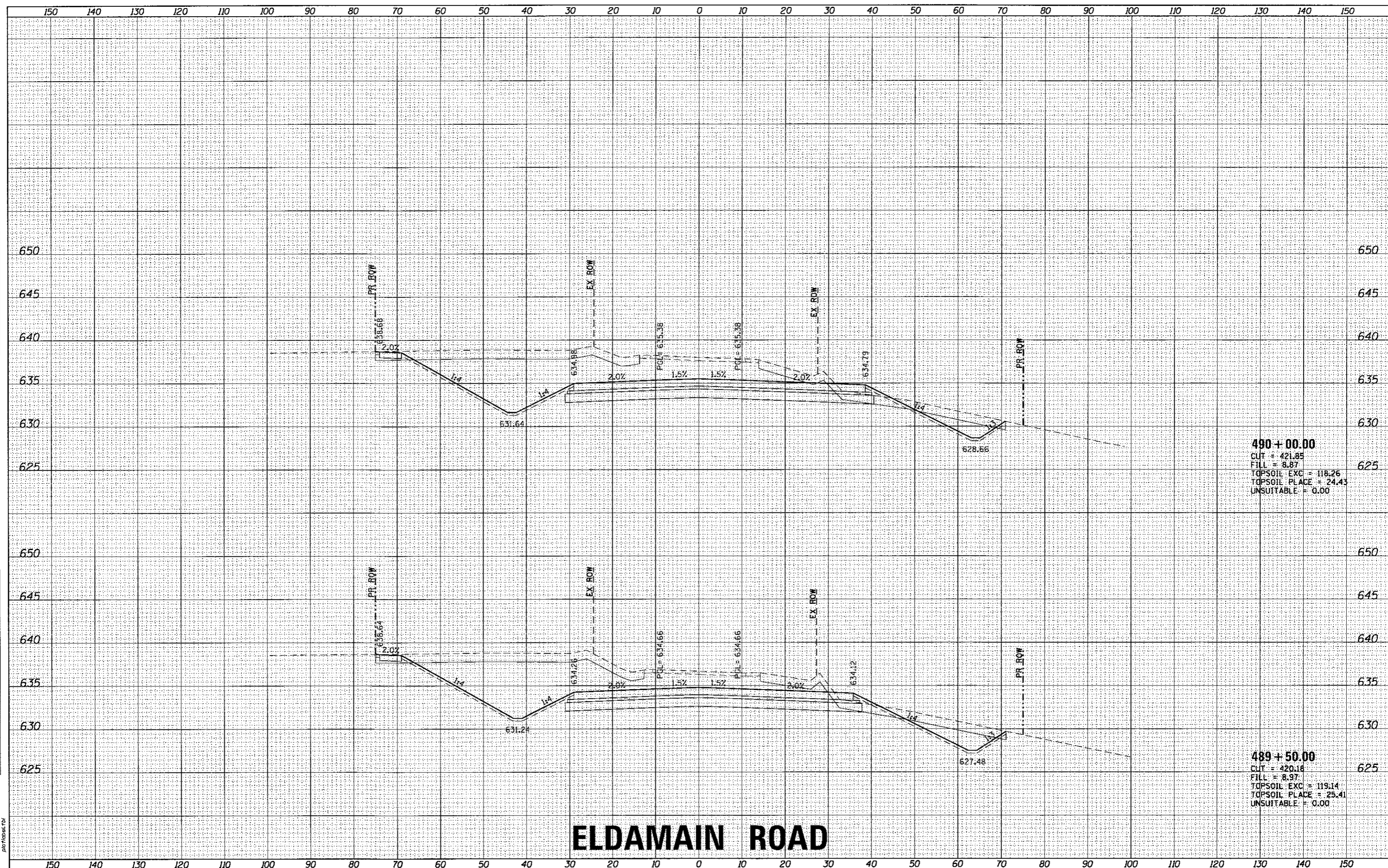
SCALE:	SHEET NO.	OF SHEETS	STA. 488+50.00 TO STA. 489+00.00
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F.A.U. RTE. 4000	SECTION NO. 16-00136-00-RP	COUNTY KENDALL	TOTAL SHEETS 237	SHEET NO. 197
CONTRACT NO. 8766				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
NO.		

HRG PROJECT NO. 16-00136-00-01
 HRG PROJ. CONTACT: JBA
 FILE NAME: JBA_xssst0_eldmain.dgn
 PLOT DRIVER: L:\Def\dwgplotrfg
 PEN TABLE: plottable.tbl



490 + 00.00
 CUT = 421.85
 FILL = 8.87
 TOPSOIL EXC = 118.26
 TOPSOIL PLACE = 24.43
 UNSUITABLE = 0.00

489 + 50.00
 CUT = 420.18
 FILL = 8.97
 TOPSOIL EXC = 119.14
 TOPSOIL PLACE = 25.41
 UNSUITABLE = 0.00

ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
 ELDAMAIN ROAD

USER NAME =	-rbast	DESIGNED -	APS	REVISED -	
DESIGNED -		DRAWN -	RCB	REVISED -	
DRAWN -		CHECKED -		REVISED -	
CHECKED -		DATE -	5/15/17	REVISED -	
DATE -					

SCALE:	SHEET NO.	OF	SHEETS	STA. 489+50.00	TO STA. 490+00.00
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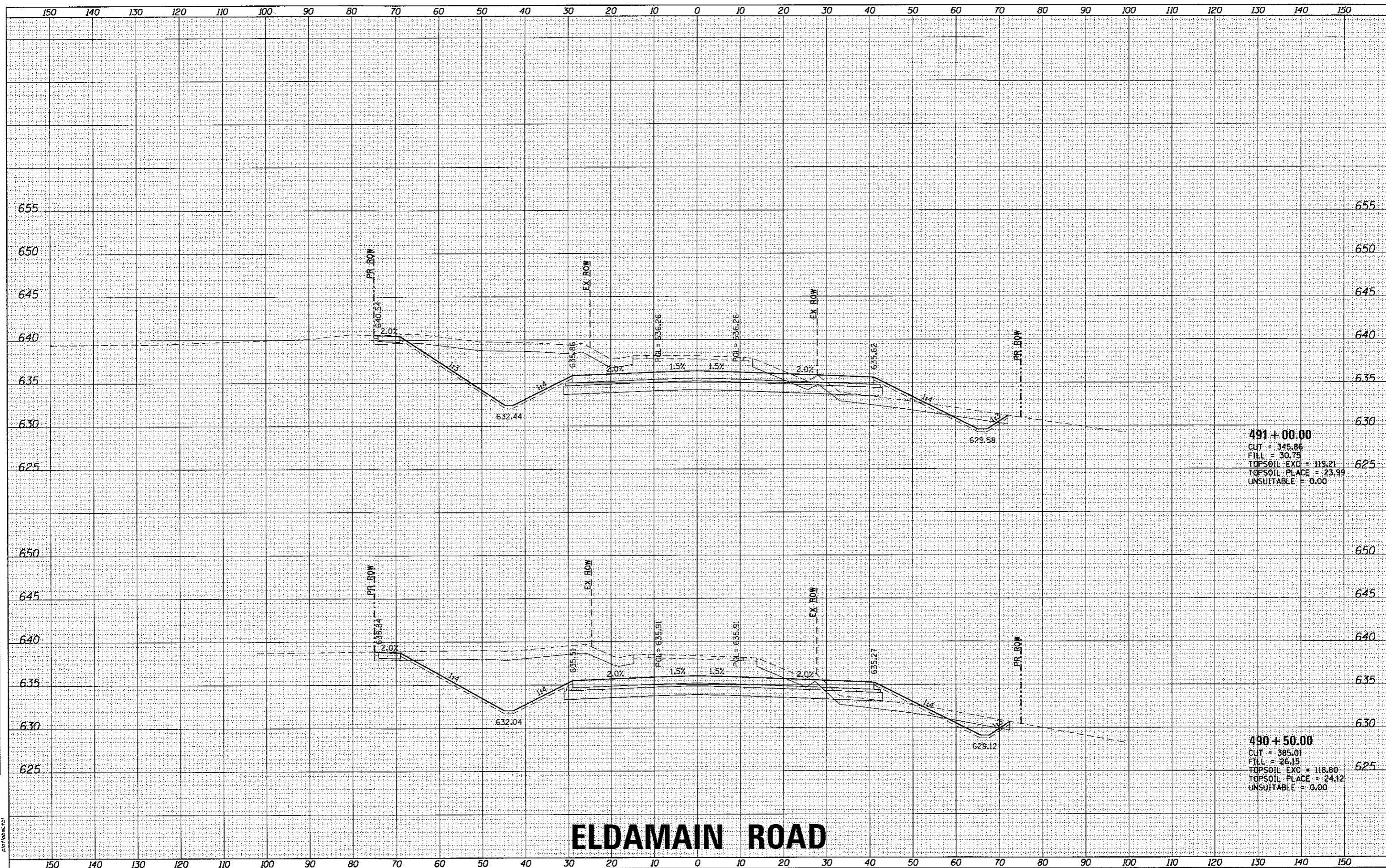
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	198
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 87666	



FINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
CHECKED		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
CHECKED		

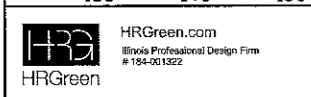
HRG PROJECT NO. 1
 HRG PROJ. CONTACT
 FILE NAME: 39A_xssm10_eldmain.dgn
 PLOT DRIVER: L:\pdr\dwgplotr7g
 PEN TABLE: plot.tbl



ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

**CROSS SECTIONS
ELDAMAIN ROAD**



USER NAME = rbest	DESIGNED - APS	REVISED -
	DRAWN - RCB	REVISED -
	CHECKED -	REVISED -
	DATE - 5/15/17	REVISED -
PLOT SCALE =		
PLOT DATE = 5/15/2017		

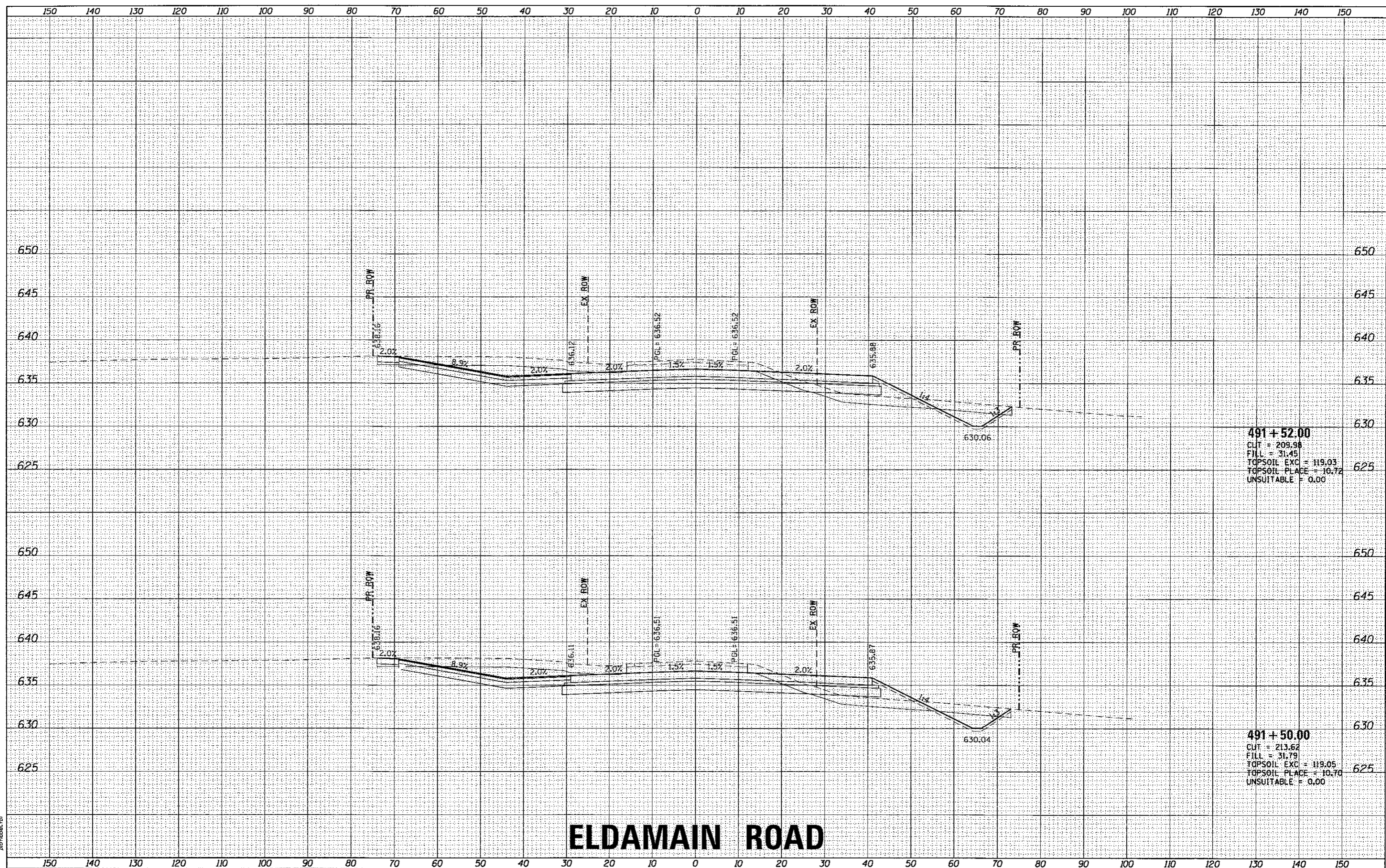
SCALE:	SHEET NO.	OF	SHEETS	STA. 490+50.00	TO STA. 491+00.00
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F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
4000	16-00136-00-RP	KENDALL	237	199
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 87666				

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

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

HRG PROJECT NO.: 882028
 HRG PROJ. CONTACT: Bob West, bwest@eldmain.com
 PLOT DRIVER: E. Jeff Burdette
 PEN TABLE: P10/14/18/21



491 + 52.00
 CUT = 209.98
 FILL = 31.45
 TOPSOIL EXC = 119.03
 TOPSOIL PLACE = 10.72
 UNSUITABLE = 0.00

491 + 50.00
 CUT = 213.62
 FILL = 31.79
 TOPSOIL EXC = 119.05
 TOPSOIL PLACE = 10.70
 UNSUITABLE = 0.00

ELDAMAIN ROAD

KENDALL COUNTY HIGHWAY DEPARTMENT

CROSS SECTIONS
 ELDAMAIN ROAD

USER NAME = rbest	DESIGNED - APS	REVISED -
PLOT SCALE =	DRAWN - RCB	REVISED -
PLOT DATE = 5/15/2017	CHECKED -	REVISED -
	DATE - 5/15/17	REVISED -

SCALE:	SHEET NO. OF SHEETS	STA. 491+50.00 TO STA. 491+52.00
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F.A.U. RATE. 4000	SECTION NO. 16-00136-00-RP	COUNTY KENDALL	TOTAL SHEETS 237	SHEET NO. 200
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT CONTRACT NO. 87666		

