

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|----------------|----------|--------------------|-----------|
| 4000 | 16-00136-00-RP | KENDALL | 237 | 1 |
| | | ILLINOIS | CONTRACT NO. 87666 | |

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

TRAFFIC DATA

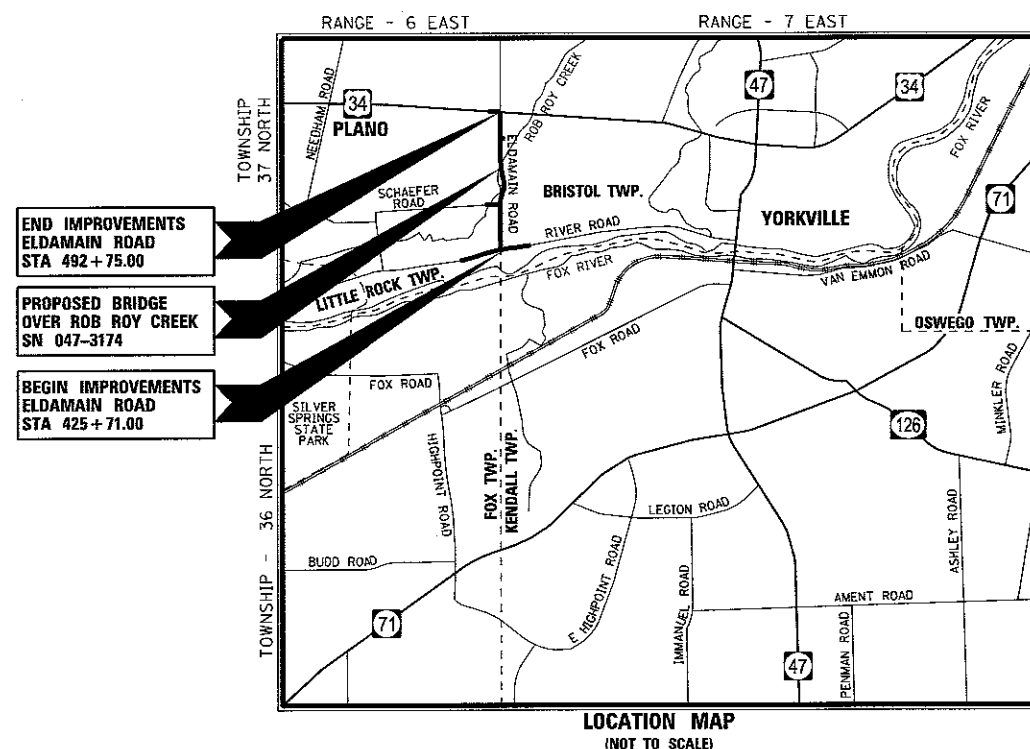
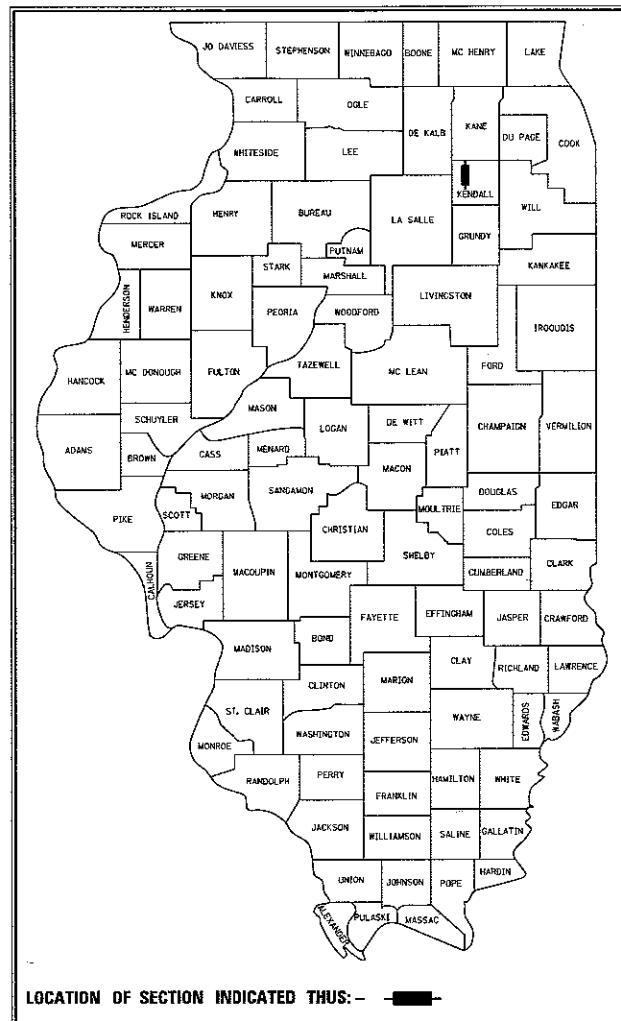
DESIGN DESIGNATIONS:
 ELDAMAIN ROAD = MINOR ARTERIAL
 RIVER ROAD = COLLECTOR
 SCHAEFER ROAD = LOCAL ROAD
 US 34 = OTHER PRINCIPAL ARTERIAL

ADT:
 ELDAMAIN ROAD = 17,000 (2040)
 PV=98% SU=1% MU=1%
 RIVER ROAD = 12,000 (2040)
 PV=98% SU=1% MU=1%
 SCHAEFER ROAD = 4,000 (2040)
 PV=98% SU=1% MU=1%
 US ROUTE 34 = 27,000 (2040)
 PV=90% SU=5% MU=5%

DESIGN SPEED:
 ELDAMAIN ROAD = 50 MPH
 RIVER ROAD = 50 MPH
 SCHAEFER ROAD = 55 MPH
 US ROUTE 34 = 45 MPH

POSTED SPEED:
 ELDAMAIN ROAD = 45 MPH
 RIVER ROAD = 45 MPH
 SCHAEFER ROAD = 55 MPH
 US ROUTE 34 = 45 MPH

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
**PLANS FOR PROPOSED
 FEDERAL AID HIGHWAY**
 FAU ROUTE 4000 / ELDAMAIN ROAD / CH 7
 FROM RIVER ROAD TO US 34 (VETERANS PARKWAY)
 SECTION 16-00136-00-RP
 PROJECT 8D2P(326)
 WIDENING AND RECONSTRUCTION
 KENDALL COUNTY
 C-93-043-17



END IMPROVEMENTS
 ELDAMAIN ROAD
 STA 492+75.00

PROPOSED BRIDGE
 OVER ROB ROY CREEK
 SN 047-3174

BEGIN IMPROVEMENTS
 ELDAMAIN ROAD
 STA 425+71.00

PROJECT GROSS AND NET LENGTHS:
 ELDAMAIN ROAD = 6,704.00 FEET (1.27 MILES)
 RIVER ROAD = 3,014.09 FEET (0.57 MILES)
 SCHAEFER ROAD = 431.82 FEET (0.08 MILES)
 US ROUTE 34 = 425.00 FEET (0.08 MILES)
 TOTAL = 10,574.91 (2.00 MILES)

Anthony P. Simmons
 ANTHONY P. SIMMONS, P.E.
 NO. 062-058414
 EXPIRES: 11/30/17
 HR GREEN, INC.
 (APPLIES TO SHEETS
 1-45, 81-92, 126-237)

Andrew J. Runde
 ANDREW J. RUNDE, P.E.
 NO. 062-055211
 EXPIRES: 11/30/17
 STRAND ASSOCIATES, INC.
 # 184001273
 (APPLIES TO SHEETS
 102-105)

Anthony J. Standish
 ANTHONY J. STANDISH, P.E., S.E.
 NO. 081-005819
 EXPIRES: 11/30/18
 STRAND ASSOCIATES, INC.
 # 184001273
 (APPLIES TO SHEETS
 106-125)

Marc A. Grigas
 MARC A. GRIGAS, P.E.
 NO. 062-060836
 EXPIRES: 11/30/17
 STRAND ASSOCIATES, INC.
 # 184001273
 (APPLIES TO SHEETS
 46-80, 93-101)

HRGreen
 HRGreen.com
 Illinois Professional Design Firm
 # 184-001322

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

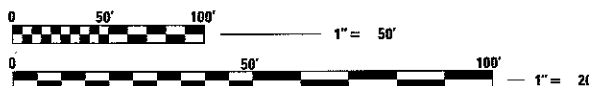
APPROVED May 17, 2017
[Signature]
 KENDALL COUNTY ENGINEER

PASSED 6/30, 2017
[Signature]
 DISTRICT 3 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
 BASED ON LIMITED
 REVIEW 6/30, 2017
[Signature]
 DEPUTY DIRECTOR OF HIGHWAYS, REGION 2 ENGINEER

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

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



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

CONTRACT NO. 87666

GENERAL NOTES

PAVING

THE THICKNESS OF HMA MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.

THE HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE HMA SURFACE.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

SEWER AND WATER MAIN

THE CONTRACTOR SHALL ENSURE THAT POSITIVE DRAINAGE IS MAINTAINED AT ALL TIMES DURING AND AFTER THE CONSTRUCTION. THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE OF THE APPLICABLE DRAINAGE ITEMS.

WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS, OR CATCH BASINS. CONTRACTOR SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE SAME. CONTRACTOR SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET SHALL BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT ROADSIDE DRAINAGE SYSTEM IS BUILT AND IN SERVICE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.

BEFORE ORDERING PIPE CULVERTS OR STORM SEWERS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.

THE WORK REQUIRED TO CONNECT ANY SEWER TO AN EXISTING DRAINAGE STRUCTURE OR PIPE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE PROPOSED STORM SEWER ITEMS.

ANY LOOSE MATERIAL DEPOSITED IN THE FLOWLINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY, PRIOR TO ACCEPTANCE OF THE IMPROVEMENT. ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.

ALL FRAMES WITH CLOSED LIDS TO BE FURNISHED AS PART OF THE CONTRACT SHALL HAVE ONE OF THE FOLLOWING WORDS CAST INTO THE LID: "STORM" (FOR STORM SEWER STRUCTURES), "SANITARY" (FOR SANITARY SEWER STRUCTURES), OR "WATER" (FOR WATER SYSTEM STRUCTURES). ANY ADDITIONAL COST FOR THIS REQUIREMENT WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE FRAMES AND CLOSED LIDS PROVIDED.

FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION AND CROSS SLOPE OF THE AREA IN WHICH THEY ARE LOCATED.

PROPOSED END SECTIONS SHALL BE SLOPED TO MATCH THE PROPOSED STORM SEWER AND CULVERT PIPE SLOPES.

THE PROPOSED DRAINAGE STRUCTURES AND PIPES SHALL BE PROTECTED FROM SEDIMENT IMMEDIATELY AFTER THEY ARE CONSTRUCTED UNTIL THE SURFACES THAT DRAIN TO THEM ARE FULLY PAVED OR VEGETATED.

STAKING

THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS, PROPERTY CORNERS, AND REFERENCE MARKERS UNTIL THE OWNER, HIS AGENT, OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.

ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. CURB AND GUTTER ELEVATIONS SHOWN ALONG RETURNS AND AT POINTS OF CURVATURE, ETC. ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

OFFSET LOCATIONS GIVEN IN THE PLANS FOR STRUCTURES, EDGE OF PAVEMENT, ETC. ARE FROM THE ROADWAY CENTERLINE.

UNLESS OTHERWISE NOTED, THE OFFSETS FOR DRAINAGE STRUCTURES WITHIN THE CURB ARE MEASURED TO THE EDGE OF PAVEMENT. THE OFFSETS FOR ALL OTHER DRAINAGE STRUCTURES ARE MEASURED TO THE CENTER OF THE STRUCTURE.

ALL ELEVATIONS ARE ON NAVD 88 DATUM.

MISCELLANEOUS

IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THE CONTRACT.

WHERE NEW WORK MEETS EXISTING FEATURES TO REMAIN, THE CONTRACTOR SHALL FIELD CHECK ALL DIMENSIONS AND ELEVATIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

ANY REFERENCE TO A STANDARD THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS INCLUDED IN THESE PLANS.

THE REMOVAL OF AGGREGATE SHOULDERS AND ENTRANCES WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT BID PRICE FOR EARTH EXCAVATION.

SAW CUTTING WILL BE REQUIRED FOR ALL REMOVAL ITEMS LISTED IN SECTION 440 OF THE STANDARD SPECIFICATIONS, SHOWN IN THE PLANS, AND AS DIRECTED BY THE ENGINEER. THE COST OF SAW CUTTING WILL BE INCLUDED IN CONTRACT UNIT BID PRICES FOR THE ITEMS BEING REMOVED.

ADDITIONAL PAVEMENT REMOVAL WILL BE REQUIRED IN AREAS WHERE THE PROPOSED PAVEMENT WIDENING IS LESS THAN 2' IN ORDER TO OBTAIN THE REQUIRED COMPACTION WITHIN THE PROPOSED WIDENING AREA. ADEQUATE QUANTITIES HAVE BEEN PROVIDED.

THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH ALL STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION. THE CONTRACTOR IS PROHIBITED FROM BURNING ANY MATERIAL WITHIN OR ADJACENT TO THE IMPROVEMENT.

THE PRESERVATION OF EXISTING TREES IS OF THE UTMOST IMPORTANCE. TREE REMOVAL FOR THIS PROJECT WAS PREVIOUSLY COMPLETED AS PART OF A SEPARATE CONTRACT. TREE REMOVAL PAY ITEMS AND QUANTITIES HAVE BEEN PROVIDED FOR REMAINING TREES THAT MAY STILL BE IN CONFLICT WITH CONSTRUCTION. ANY TREE REMOVAL ALONG WITH ALL TREE PROTECTION, PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER. PRUNING WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE CONTRACTOR SHALL ERECT A TREE PROTECTION AROUND ALL TREES WITHIN THE CONSTRUCTION AREA TO ESTABLISH A "TREE PROTECTION ZONE" TO THE SATISFACTION OF THE ENGINEER BEFORE ANY WORK BEGINS OR ANY MATERIAL IS DELIVERED TO THE JOB SITE. NO WORK IS TO BE PERFORMED (OTHER THAN PRUNING), MATERIALS STORED OR VEHICLES DRIVEN OR PARKED WITHIN THE "TREE PROTECTION ZONE". TREE PROTECTION SHALL BE REMOVED ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED. TREE PROTECTION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE SUBGRADE SHALL BE KEPT DRAINED DURING CONSTRUCTION OF THE PAVEMENT STRUCTURE. THE CONTRACTOR SHALL FACILITATE SURFACE DRAINAGE BY CUTTING WEEPS IN THE SUBGRADE OR ADJACENT TERRAIN AS NECESSARY. THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

| | | |
|-----------------------------|-------|-----------------------------------|
| GRANULAR MATERIALS | 2.05 | TONS / CU YD |
| BITUMINOUS MAT (PRIME COAT) | 0.05 | LBS / SQ FT (MILLED HMA/AGED HMA) |
| | 0.025 | LBS / SQ FT (HMA LIFTS) |
| | 0.25 | LBS / SQ FT (AGGREGATE) |
| HMA RESURFACING | 112 | LBS / SQ YD / IN |
| SHORT TERM PAVEMENT MARKING | 10 | FT / 100 FT OF APPLICATION |

HMA MIXTURE REQUIREMENTS

| | HMA BINDER (RIVER ROAD) | HMA LEVEL BINDER (RIVER ROAD) | HMA SURFACE (RIVER ROAD) | HMA BINDER (SCHAEFER ROAD) | HMA SURFACE (SCHAEFER ROAD) | HMA STABILIZED SUBBASE | HMA BINDER (ENTRANCES) | HMA SURFACE (ENTRANCES) |
|----------------------------|----------------------------|----------------------------------|-----------------------------|-------------------------------|--------------------------------|---------------------------|---------------------------|----------------------------|
| PG GRADE | PG64-22 | PG64-22 | PG64-22 | PG64-22 | PG64-22 | PG64-22 | PG64-22 | PG64-22 |
| DESIGN AIR VOIDS | 4.0% @ N70 | 4.0% @ N70 | 4.0% @ N70 | 4.0% @ N50 | 4.0% @ N50 | 4.0% @ N50 | 4.0% @ N50 | 4.0% @ N50 |
| MIXTURE COMPOSITION | IL 19.0 | IL 9.5 FG | IL 9.5 | IL 19.0 | IL 9.5 | IL 19.0 | IL 19.0 | IL 19.0 |
| FRICTION AGGREGATE | | | MIXTURE D | | MIXTURE D | | | MIXTURE C |
| MIXTURE WEIGHT | 112.0 LB/SY/IN | 112.0 LB/SY/IN | 112.0 LB/SY/IN | 112.0 LB/SY/IN | 112.0 LB/SY/IN | 112.0 LB/SY/IN | 112.0 LB/SY/IN | 112.0 LB/SY/IN |
| QUALITY MANAGEMENT PROGRAM | QCOA | QCOA | QCOA | QCOA | QCOA | QCOA | QCOA | QCOA |
| SUBLOT SIZE | NA | NA | NA | NA | NA | NA | NA | NA |
| DENSITY TEST METHOD | CORES | % GROWTH CURVE | CORES | CORES | CORES | CORES | SATISFACTION OF ENGINEER | SATISFACTION OF ENGINEER |

MATERIAL SHALL BE COMPACTED TO 93.0 - 97.4 PERCENT OF THE MAXIMUM THEORETICAL DENSITY, EXCEPT THAT WHEN PLACED AS FIRST LIFT ON AN UNIMPROVED SUBGRADE THE MINIMUM PERCENT COMPACTION SHALL BE 92.0 PERCENT. THE MAXIMUM THEORETICAL DENSITY SHALL BE DETERMINED FROM THE MOVING AVERAGE AS SPECIFIED IN THE QA/QC SPECIFICATION.

WHEN MORE THAN 20% RAP IS USED, A SOFTER ASPHALT BINDER (PG58-22) MAY BE REQUIRED AS DETERMINED BY THE ENGINEER.

UTILITIES

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF EARTH EXCAVATION.

THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR. THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MIGHT NOT BE SHOWN ON THE PLANS. ANY UTILITY PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S EXPENSE.

UTILITY CONTACTS

UNITED CITY OF YORKVILLE
BRAD SANDERSON
52 WHEELER ROAD
SUGAR GROVE, IL 60554
(630) 466-6700

YORKVILLE-BRISTOL SANITARY DISTRICT
KEVIN COLLMAN
304 RIVER STREET
YORKVILLE, IL 60560
(630) 553-7657

AT&T
JANET AHERN
1000 COMMERCE DRIVE
OAK BROOK, IL 60523
(630) 573-6414

COM ED
PETE KRATZER
1N423 SWIFT ROAD
LOMBARD, IL 60148
(630) 424-5704

CITY OF PLANO PUBLIC WORKS DEPARTMENT
17 E. MAIN STREET
PLANO, IL 60545
(630) 669-0619

NICOR GAS
BRUCE KOPPANG
1844 FERRY ROAD
NAPERVILLE, IL 60563-9600
(630) 983-8676

COMCAST
ROBERT SHULTER JR.
688 INDUSTRIAL DRIVE
ELMHURST, IL 60126
(630) 600-6349

ILLINOIS DEPARTMENT OF TRANSPORTATION
700 EAST NORRIS DRIVE
OTTAWA, IL 61350-0697
(815) 434-6131

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| DATE | BY |
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HRG PROJECT NO. 1
HRG PROJ. CONTACT:
FILE NAME:
PLOT DRIVER:
PEN TABLE:
8/15/2017
384_00136-00-00-00.dwg
A:\proj\815\p17c1g
p17c1g.tbl



| | | |
|-----------------------|----------------|-----------|
| 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

GENERAL NOTES

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 | 3 |
| CONTRACT NO. 87666 | | | | |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |

| | |
|---------------|--|
| DATE | |
| BY | |
| SURVEYED | |
| PLOTTED | |
| REVISIONS | |
| NOTE BOOK | |
| NO. | |
| CAD FILE NAME | |

| | |
|---------------|--|
| DATE | |
| BY | |
| SURVEYED | |
| PLOTTED | |
| REVISIONS | |
| NOTE BOOK | |
| NO. | |
| CAD FILE NAME | |

HRG PROJECT NO.: BR0328
 HRG PROJ CONTACT: BR0328
 FILE NAME: 384_sunc3.dgn
 PEN: 16-001322
 PEN TABLE: 16-001322

| CODE NUMBER | PAY ITEM | UNIT | TOTAL QUANTITY | ROADWAY 0004 | NON-PARTICIPATING |
|-------------|---|--------|----------------|--------------|-------------------|
| Δ 87301225 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C | FOOT | 1,072 | 1,072 | |
| Δ 87301245 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C | FOOT | 1,224 | 1,224 | |
| Δ 87301255 | ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C | FOOT | 3,681 | 3,681 | |
| Δ 87301305 | ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR | FOOT | 4,000 | 4,000 | |
| Δ 87301900 | ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C | FOOT | 790 | 790 | |
| Δ 87502500 | TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT. | EACH | 3 | 3 | |
| Δ 87600100 | PEDESTRIAN PUSH-BUTTON POST, TYPE 1 | EACH | 1 | 1 | |
| *Δ 87700320 | STEEL MAST ARM ASSEMBLY AND POLE, 55 FT. | EACH | 1 | 1 | |
| Δ 87800100 | CONCRETE FOUNDATION, TYPE A | FOOT | 9 | 9 | |
| Δ 87800415 | CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER | FOOT | 15 | 15 | |
| Δ 87900200 | DRILL EXISTING HANDHOLE | EACH | 6 | 6 | |
| Δ 88040090 | SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED | EACH | 1 | 1 | |
| Δ 88040150 | SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED | EACH | 1 | 1 | |
| Δ 88040160 | SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED | EACH | 4 | 4 | |
| Δ 88102825 | PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER | EACH | 4 | 4 | |
| Δ 88200410 | TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC | EACH | 6 | 6 | |
| *Δ 88500100 | INDUCTIVE LOOP DETECTOR | EACH | 8 | 8 | |
| *Δ 88600700 | PREFORMED DETECTOR LOOP | FOOT | 692 | 692 | |
| Δ 88800100 | PEDESTRIAN PUSH-BUTTON | EACH | 4 | 4 | |
| Δ 89000100 | TEMPORARY TRAFFIC SIGNAL INSTALLATION | EACH | 1 | 1 | |
| Δ 89500100 | RELOCATE EXISTING SIGNAL HEAD | EACH | 6 | 6 | |
| Δ 89502300 | REMOVE ELECTRIC CABLE FROM CONDUIT | FOOT | 1,675 | 1,675 | |
| Δ 89502350 | REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT | FOOT | 500 | 500 | |
| *Δ 89502375 | REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | EACH | 1 | 1 | |
| *Δ 89502380 | REMOVE EXISTING HANDHOLE | EACH | 1 | 1 | |
| Δ 89502385 | REMOVE EXISTING CONCRETE FOUNDATION | EACH | 2 | 2 | |
| * X0322128 | MEMBRANE WATERPROOFING FOR BURIED STRUCTURES | SQ YD | 128 | 128 | |
| * X0326891 | TEMPORARY ACCESS ROAD (SPECIAL) | SQ YD | 3,170 | 3,170 | |
| * X0327880 | PAVEMENT MARKING REMOVAL - WATER BLASTING | SQ FT | 193 | 193 | |
| *Δ X1400094 | LUMINAIRE, LED, HORIZONTAL MOUNT, LOW WATTAGE | EACH | 6 | | b |
| * X2130010 | EXPLORATION TRENCH, SPECIAL | FOOT | 7,000 | 7,000 | |
| * X4020700 | AGGREGATE SURFACE COURSE, TYPE B 8" | SQ YD | 102 | 102 | |
| * X4021000 | TEMPORARY ACCESS (PRIVATE ENTRANCE) | EACH | 14 | 14 | |
| * X4022000 | TEMPORARY ACCESS (COMMERCIAL ENTRANCE) | EACH | 3 | 3 | |
| * X4024000 | TEMPORARY ACCESS (FIELD ENTRANCE) | EACH | 3 | 3 | |
| X4401198 | HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH | SQ YD | 2,540 | 2,540 | |
| X5120003 | PRECORING | FOOT | 150 | 150 | |
| X5880110 | GRANULAR BACKFILL FOR STRUCTURES | CU YD | 235 | 235 | |
| * X6023200 | INLETS, TYPE A, SPECIAL | EACH | 1 | 1 | |
| * X6060300 | CONCRETE MEDIAN, TYPE SB-6.24 (SPECIAL) | SQ FT | 4,472 | 4,472 | |
| * X7010216 | TRAFFIC CONTROL AND PROTECTION, (SPECIAL) | L SUM | 1 | 1 | |
| * X7010238 | CHANGEABLE MESSAGE SIGN, SPECIAL | CAL MO | 144 | 144 | |
| * X7030005 | TEMPORARY PAVEMENT MARKING REMOVAL | SQ FT | 5,278 | 5,278 | |

Δ = INDICATES SPECIALTY ITEM
 * = SEE SPECIAL PROVISIONS

| CODE NUMBER | PAY ITEM | UNIT | TOTAL QUANTITY | ROADWAY 0004 | NON-PARTICIPATING |
|-------------|---|-------|----------------|--------------|-------------------|
| *Δ X8140102 | GROUND EXISTING HANDHOLE | EACH | 1 | 1 | |
| *Δ X8860100 | LOOP DETECTOR TESTING | EACH | 1 | 1 | |
| *Δ X8950114 | MODIFY EXISTING CONTROLLER AND CABINET | EACH | 1 | 1 | |
| * Z0013798 | CONSTRUCTION LAYOUT | L SUM | 1 | 1 | |
| * Z0016702 | DETOUR SIGNING | L SUM | 1 | 1 | |
| * Z0022800 | FENCE REMOVAL | FOOT | 3,923 | 3,923 | |
| * Z0022810 | FENCE REMOVAL (SPECIAL) | FOOT | 35 | 35 | |
| * Z0023201 | SEDIMENT CONTROL, SILT CURTAIN | EACH | 4 | 4 | |
| * Z0030650 | TEMPORARY INFORMATION SIGNING | SQ FT | 500 | 500 | |
| *Δ Z0033020 | LUMINAIRE SAFETY CABLE ASSEMBLY | EACH | 6 | | 6 |
| * Z0046304 | PIPE UNDERDRAINS FOR STRUCTURES 4" | FOOT | 270 | 270 | |
| * Z0054400 | ROCK FILL | CU YD | 13,830 | 13,830 | |
| * Z0056610 | STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH | FOOT | 123 | 123 | |
| *Δ Z0073510 | TEMPORARY TRAFFIC SIGNAL TIMING | EACH | 1 | 1 | |
| * Z0076500 | TRAINEES | HOUR | 2,000 | | |
| * Z0076604 | TRAINEES TRAINING PROGRAM GRADUATE | HOUR | 2,000 | | |
| * X009201 | RAMPED MEDIAN NOSE | EACH | 3 | 3 | |

Δ = INDICATES SPECIALTY ITEM
 * = SEE SPECIAL PROVISIONS

= 0042



HRGreen.com
 Illinois Professional Design Firm
 # 164-091322

USER NAME = jrc16bu
 DESIGNED - APS
 DRAWN - RCB
 CHECKED -
 PLOT DATE = 5/17/2017
 DATE - 5/15/17

KENDALL COUNTY HIGHWAY DEPARTMENT

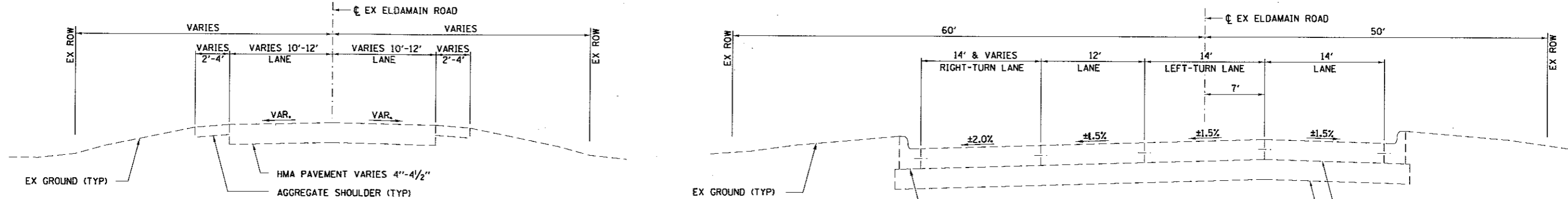
SUMMARY OF QUANTITIES
 (SHEET 3 OF 3)

| | | | | |
|---------------------|----------------|---------|---------------------------|-----------|
| F.A.U. RTE. | SECTION NO. | COUNTY | TOTAL SHEETS | SHEET NO. |
| 4000 | 16-00136-00-RP | KENDALL | 237 | 6 |
| FED. ROAD DIST. NO. | | | ILLINOIS FED. AID PROJECT | |
| CONTRACT NO. 87666 | | | | |

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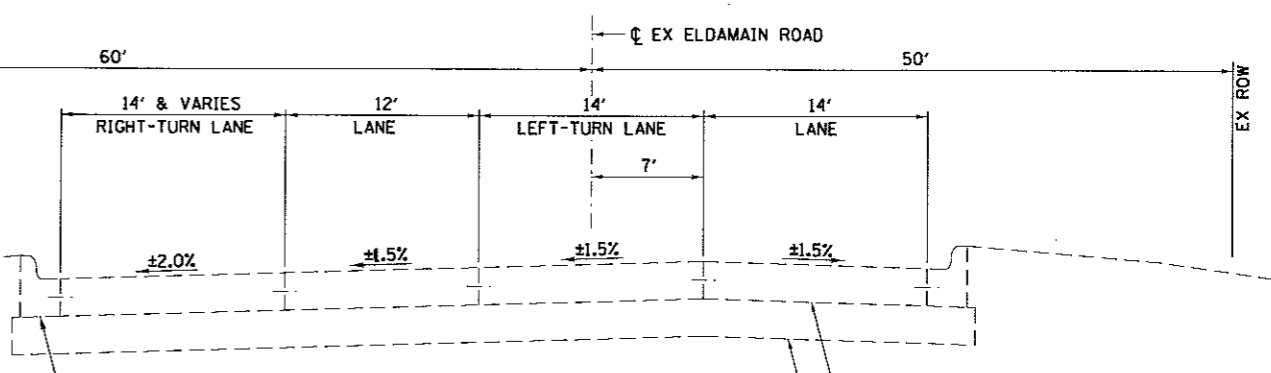
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| BY | |
| NO. | |
| DESCRIPTION | |

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 PLOT DRIVER: E:\proj\891803B\16.dwg
 PEN TABLE: plottbl.ctb



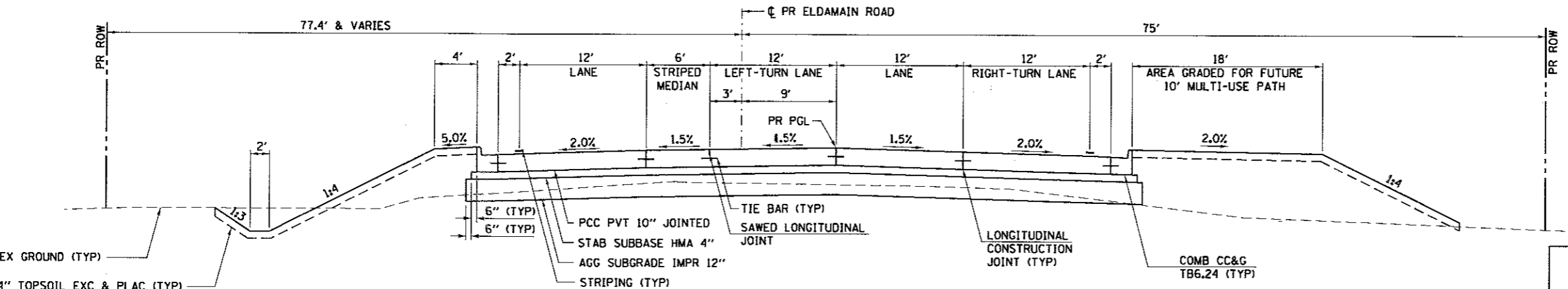
**EXISTING TYPICAL SECTION
ELDAMAIN ROAD**

STA 427+45.23 TO STA 492+71.61



**EXISTING TYPICAL SECTION
ELDAMAIN ROAD**

STA 492+71.61 TO STA 497+00.00



**PROPOSED TYPICAL SECTION
ELDAMAIN ROAD**

STA 425+71.00 TO STA 427+73.00

PAVEMENT DESIGN - ELDAMAIN ROAD

STRUCTURAL DESIGN TRAFFIC (YEAR 2030)

PV = 10,654 SU = 627 MU = 1,253

CLASS I ROAD (FUTURE 4-LANE FACILITY)

SUBGRADE = POOR

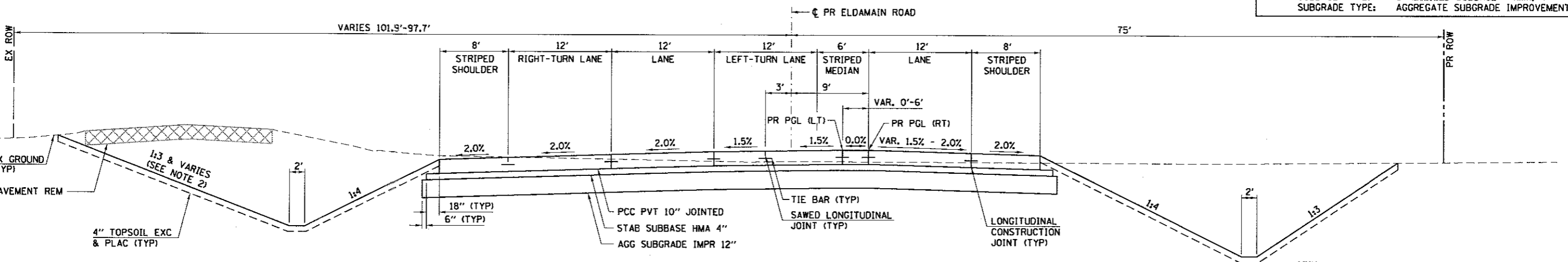
TRAFFIC FACTOR = 8.68

PAVEMENT STRUCTURE MATERIALS:

SURFACE COURSE TYPE: PCC PAVEMENT 10" (JOINTED), JOINT SPACING 15'

SUBBASE TYPE: STABILIZED SUBBASE - HMA, 4"

SUBGRADE TYPE: AGGREGATE SUBGRADE IMPROVEMENT 12"



**PROPOSED TYPICAL SECTION
ELDAMAIN ROAD**

STA 427+73.00 TO STA 430+68.00

- NOTES:
- SINGLE PGL TRANSITIONS TO SEPARATE NB PGL AND SB PGL FROM STA 429+58.00 TO STA 432+88.00. SEE PGL AND CROWN TRANSITION DETAIL.
 - MAX BACKSLOPE IS 1:3. THE PROPOSED BACKSLOPE SHALL VARY TO MEET THE EXISTING BACKSLOPE (SEE CROSS SECTIONS).



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

KENDALL COUNTY HIGHWAY DEPARTMENT

**TYPICAL SECTIONS
ELDAMAIN ROAD**

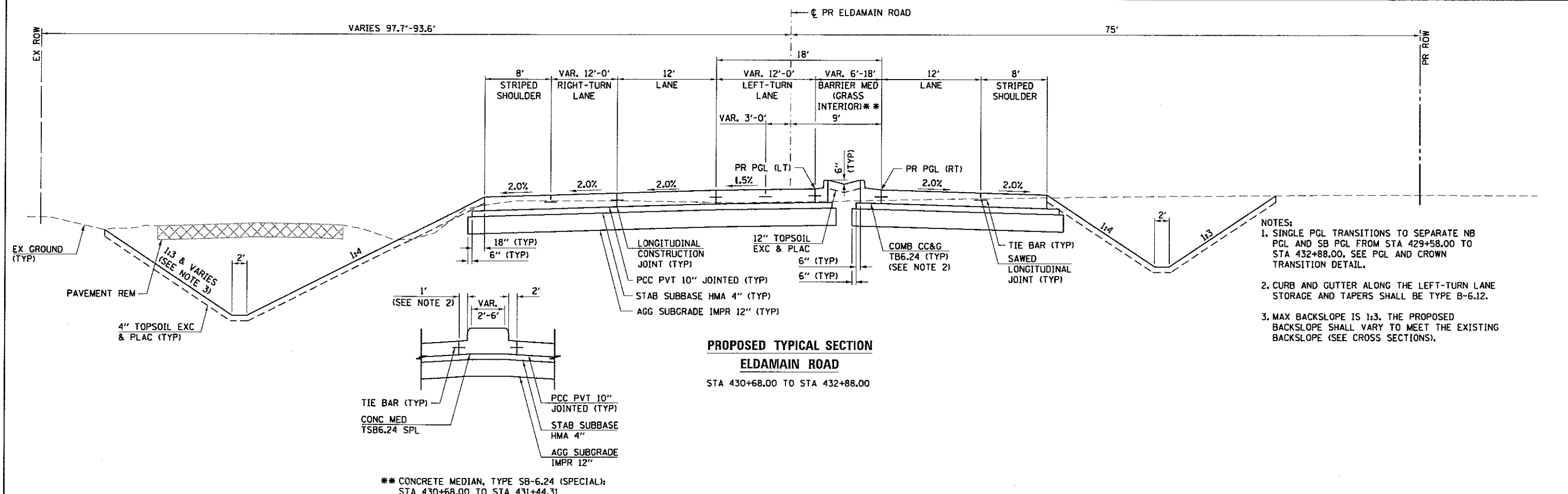
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| SCALE: | SHEET NO. | OF SHEETS | STA. | TO STA. |
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| F.A.U. RTE. | SECTION NO. | COUNTY | TOTAL SHEETS | SHEET NO. |
| 4000 | 16-00136-00-RP | KENDALL | 237 | 7 |
| FED. ROAD DIST. NO. | | | ILLINOIS FED. AID PROJECT | |
| | | | CONTRACT NO. 87666 | |

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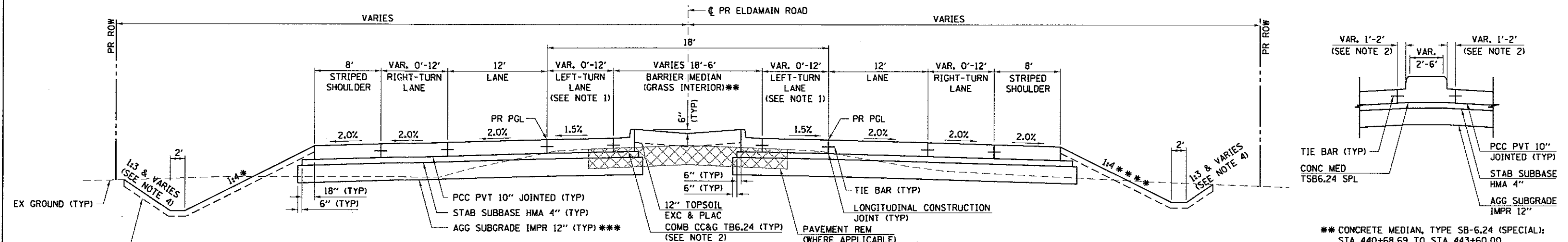
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 PEN TABLE: plottrans.tbl



**PROPOSED TYPICAL SECTION
 ELDAMAIN ROAD**
 STA 430+68.00 TO STA 432+88.00

- NOTES:
1. SINGLE PGL TRANSITIONS TO SEPARATE NB PGL AND SB PGL FROM STA 429+58.00 TO STA 432+88.00. SEE PGL AND CROWN TRANSITION DETAIL.
 2. CURB AND GUTTER ALONG THE LEFT-TURN LANE STORAGE AND TAPERS SHALL BE TYPE B-6.12.
 3. MAX BACKSLOPE IS 1:3. THE PROPOSED BACKSLOPE SHALL VARY TO MEET THE EXISTING BACKSLOPE (SEE CROSS SECTIONS).

** CONCRETE MEDIAN, TYPE SB-6.24 (SPECIAL):
 STA 430+68.00 TO STA 431+44.31



**PROPOSED TYPICAL SECTION
 ELDAMAIN ROAD**
 STA 432+88.00 TO STA 449+28.00

- NOTES:
1. SEE INTERSECTION PAVEMENT ELEVATION PLANS FOR TRANSITION OF THE LEFT-TURN LANE SLOPE AT INTERSECTIONS.
 2. CURB AND GUTTER ALONG THE LEFT-TURN LANE STORAGE AND TAPERS SHALL BE TYPE B-6.12.
 3. WHERE THERE IS NO RIGHT-TURN LANE, THE LONGITUDINAL JOINT BETWEEN THE THROUGH LANE AND STRIPED SHOULDER MAY BE SAWED.
 4. MAX BACKSLOPE IS 1:3. THE PROPOSED BACKSLOPE SHALL VARY TO MEET THE EXISTING BACKSLOPE IN THE FOLLOWING AREAS (SEE CROSS SECTIONS): STA 432+88 TO STA 449+28 LT

* VARIES 1:4 TO 1:12 FROM STA 446+00.00 TO STA 449+28.00 LT WITH NO DITCH.

*** TRANSITION FROM 1:4 TO 1:3 BETWEEN STA 438+50 AND STA 439+00.

*** ADDITIONAL UNDERCUTS SHALL BE PROVIDED IN THE FOLLOWING LOCATIONS AND SHALL BE REPLACED WITH ROCK FILL (CU YD) ON A BED OF GEOTECHNICAL FABRIC. STA 435+00.00 TO STA 439+75.00 (72')

ALL UNDERCUT AREAS SHALL BE DETERMINED AT THE TIME OF CONSTRUCTION BY A QUALIFIED SOILS INSPECTOR AND APPROVED BY THE ENGINEER. THE SUBGRADE SHALL BE TESTED IN ACCORDANCE WITH THE IDOT SUBGRADE STABILITY MANUAL. ANY AGGREGATE/FABRIC NOT NEEDED AT THE TIME OF CONSTRUCTION SHALL BE DELETED FROM THE CONTRACT. NO ADJUSTMENTS IN UNIT PRICE WILL BE ALLOWED FOR AN INCREASE OR DECREASE IN QUANTITIES FROM THE ESTIMATED QUANTITIES SHOWN ON THE PLANS.



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| USER NAME | = rcbst |
| DESIGNED | - APS |
| DRAWN | - RCB |
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| PLOT DATE | = 5/15/2017 |

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KENDALL COUNTY HIGHWAY DEPARTMENT

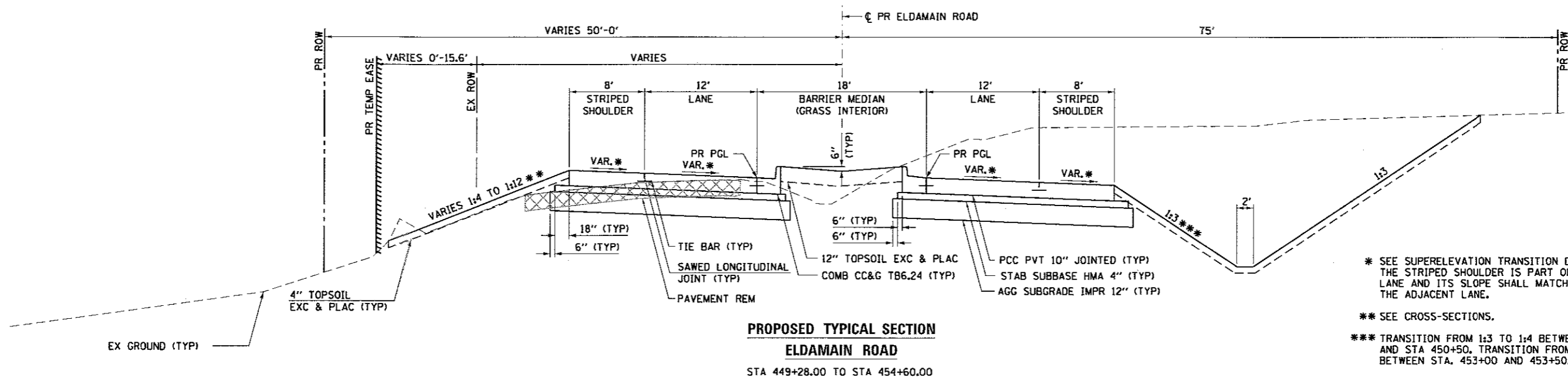
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| SCALE: | SHEET NO. | OF SHEETS | STA. TO STA. |

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| F.A.U. RTE. | SECTION NO. | COUNTY | TOTAL SHEETS | SHEET NO. |
| 4000 | 16-00136-00-RP | KENDALL | 237 | 8 |
| CONTRACT NO. 87666 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

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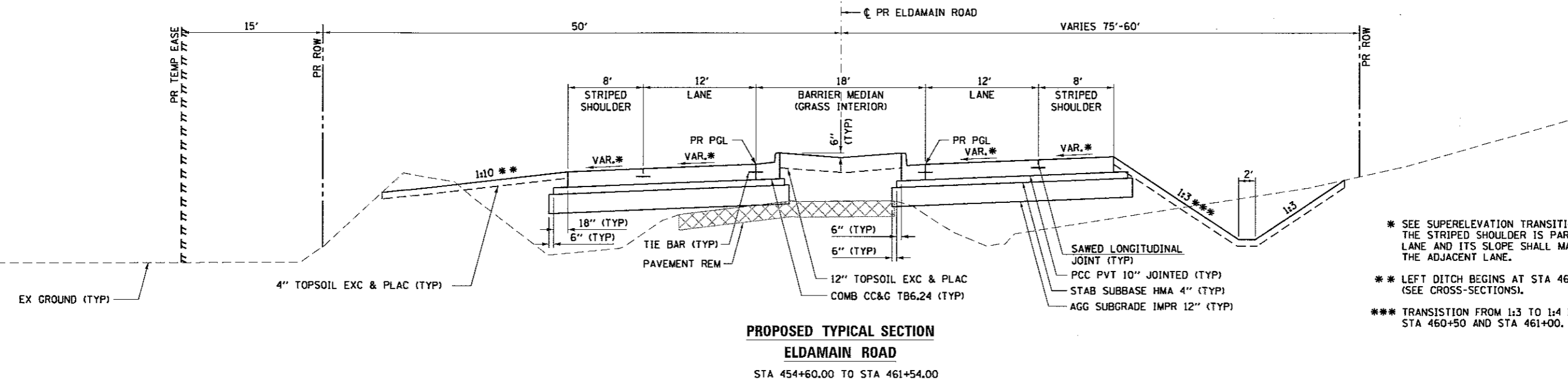
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 PLOT DRIVER: plot1dri.tbl
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**PROPOSED TYPICAL SECTION
 ELDMAIN ROAD**
 STA 449+28.00 TO STA 454+60.00

* SEE SUPERELEVATION TRANSITION DETAILS. THE STRIPED SHOULDER IS PART OF A FUTURE LANE AND ITS SLOPE SHALL MATCH THAT OF THE ADJACENT LANE.
 ** SEE CROSS-SECTIONS.
 *** TRANSITION FROM 1:3 TO 1:4 BETWEEN STA 450+00 AND STA 450+50. TRANSITION FROM 1:4 TO 1:3 BETWEEN STA. 453+00 AND 453+50.



**PROPOSED TYPICAL SECTION
 ELDMAIN ROAD**
 STA 454+60.00 TO STA 461+54.00

* SEE SUPERELEVATION TRANSITION DETAILS. THE STRIPED SHOULDER IS PART OF A FUTURE LANE AND ITS SLOPE SHALL MATCH THAT OF THE ADJACENT LANE.
 ** LEFT DITCH BEGINS AT STA 460+50.00. (SEE CROSS-SECTIONS).
 *** TRANSITION FROM 1:3 TO 1:4 BETWEEN STA 460+50 AND STA 461+00.



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| USER NAME = rbest | DESIGNED - APS | REVISED - |
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| | DATE - 5/15/17 | REVISED - |

KENDALL COUNTY HIGHWAY DEPARTMENT

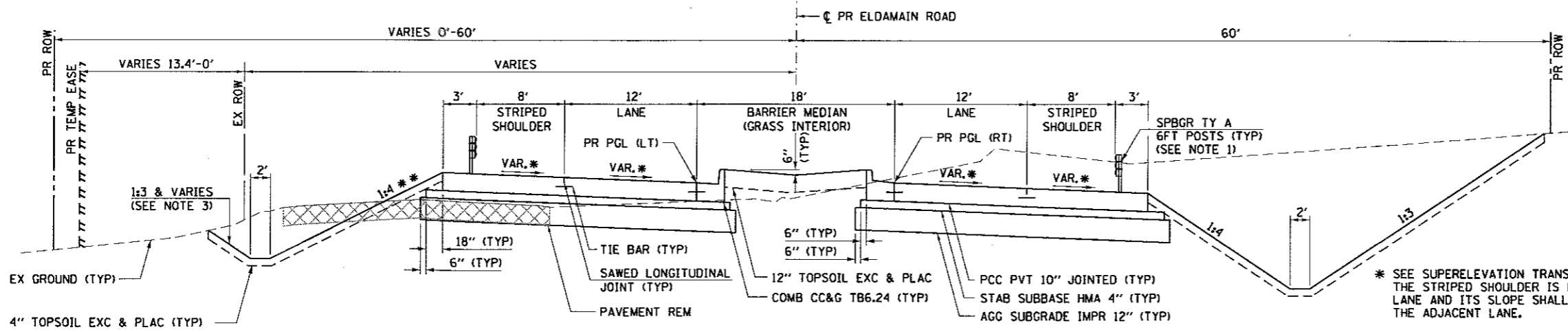
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| SCALE: | SHEET NO. | OF SHEETS | STA. TO STA. |

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| F.A.U. RTE. | SECTION NO. | COUNTY | TOTAL SHEETS | SHEET NO. |
| 4000 | 16-00136-00-RP | KENDALL | 237 | 9 |
| CONTRACT NO. 87666 | | | | |
| FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT | | | | |

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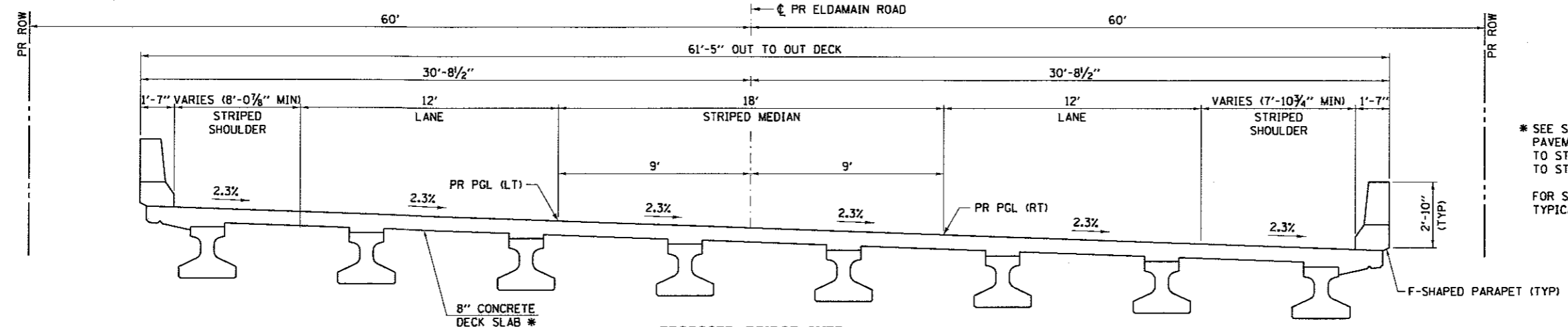
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 HRG PROJ. CONTACT: JBA - jba@hrgreen.com
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 PLOT DATE: 5/15/2017



**PROPOSED TYPICAL SECTION
 ELDMAIN ROAD
 STA 461+54.00 TO STA 467+19.07**

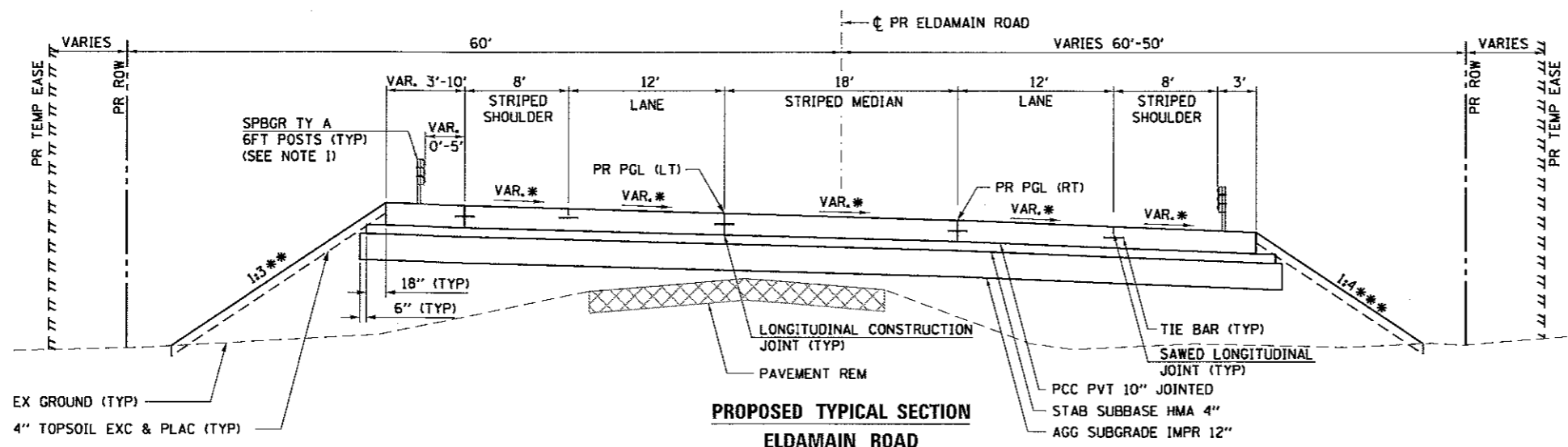
- NOTES:
1. SEE PLAN AND PROFILES FOR GUARDRAIL LIMITS AND TERMINAL TYPE. SEE STANDARD 630201 AND SPECIAL PROVISIONS FOR PCC HOLE AND BACKFILL REQUIREMENTS.
 2. SEE PLAN AND PROFILES FOR LIMITS OF PCC SHOULDER STABILIZATION FOR GUARDRAIL.
 3. MAX BACKSLOPE IS 1:3, THE PROPOSED BACKSLOPE SHALL VARY TO MEET THE EXISTING BACKSLOPE (SEE CROSS-SECTIONS). NO DITCH FROM STA 465+50.00 TO STA 467+19.07.
 4. PROFILE GRADE LINES SPLIT AT STA 463+00.00.

* SEE SUPERELEVATION TRANSITION DETAILS. THE STRIPED SHOULDER IS PART OF A FUTURE LANE AND ITS SLOPE SHALL MATCH THAT OF THE ADJACENT LANE.
 ** 1:3 FROM STA 466+50.00 TO STA 467+19.07.



**PROPOSED BRIDGE OVER
 ROB ROY CREEK
 STA 467+19.07 TO STA 468+39.59**

* SEE STRUCTURE PLANS FOR APPROACH PAVEMENT DETAILS FROM STA 467+19.07 TO STA 467+48.79 AND FROM STA 468+09.29 TO STA 468+39.59.
 FOR SPECIFIC DETAILS SEE BRIDGE TYPICAL SECTION IN STRUCTURE PLANS.



**PROPOSED TYPICAL SECTION
 ELDMAIN ROAD
 STA 468+39.59 TO STA 473+01.00**

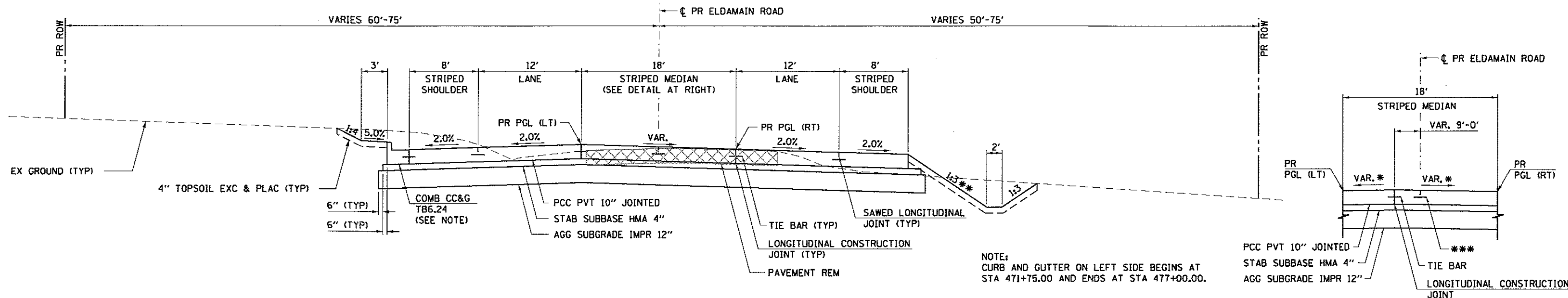
- NOTES:
1. SEE PLAN AND PROFILES FOR GUARDRAIL LIMITS AND TERMINAL TYPE. SEE STANDARD 630201 AND SPECIAL PROVISIONS FOR PCC HOLE AND BACKFILL REQUIREMENTS.
 2. SEE PLAN AND PROFILES FOR LIMITS OF PCC SHOULDER STABILIZATION FOR GUARDRAIL.
 3. CURB AND GUTTER ON LEFT SIDE BEGINS AT STA 471+75.00 (SEE NEXT TYPICAL SECTION).
- * SEE SUPERELEVATION TRANSITION DETAILS. THE STRIPED SHOULDER IS PART OF A FUTURE LANE AND ITS SLOPE SHALL MATCH THAT OF THE ADJACENT LANE.
 ** 1:4 WITH DITCH SECTION BETWEEN PE AT STA 469+33 LT AND CE AT STA 472+27 LT.
 *** RIGHT DITCH BEGINS AT STA 471+50 (SEE CROSS-SECTIONS).

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|--|---|--|--|---|--|
| | USER NAME = rbest DESIGNED - APS DRAWN - RCB CHECKED - DATE - 5/15/17 | REVISED - REVISED - REVISED - REVISED - | KENDALL COUNTY HIGHWAY DEPARTMENT | TYPICAL SECTIONS ELDMAIN ROAD | F.A.U. RTE. 4000 SECTION NO. 16-00136-00-RP COUNTY KENDALL TOTAL SHEETS 237 SHEET NO. 10 |
| | PLOT SCALE = PLOT DATE = 5/15/2017 | DATE - 5/15/17 | | | SCALE: SHEET NO. OF SHEETS STA. TO STA. |

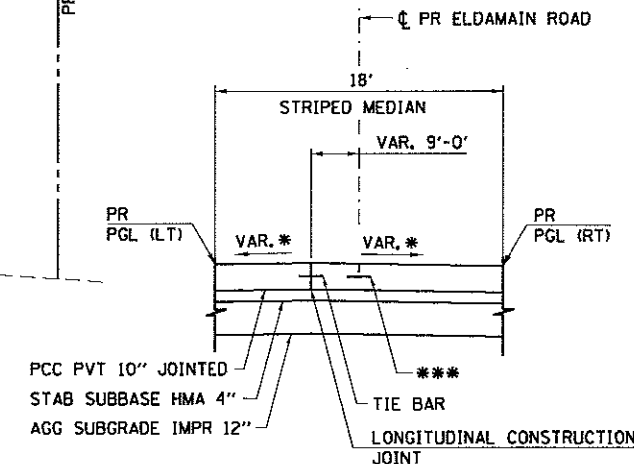
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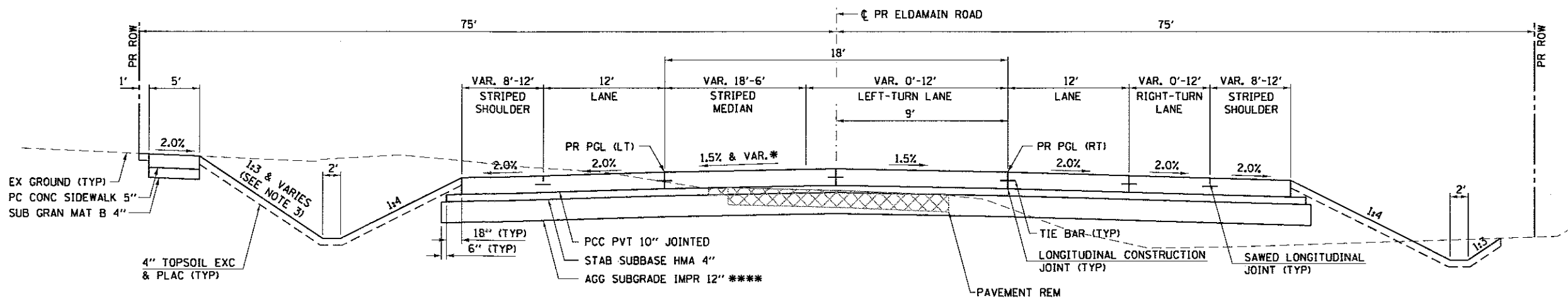


**PROPOSED TYPICAL SECTION
 ELDAMAIN ROAD
 STA 473+01.00 TO STA 476+00.00**



**MEDIAN DETAIL
 STA 475+00.00 TO STA 476+00.00**

- * SEE CROWN TRANSITION DETAIL.
- ** TRANSITION FROM 1:3 TO 1:4 BETWEEN STA 475+00 AND STA 475+50.
- *** SAWED JOINT ENDS AT A 2' STUB.



**PROPOSED TYPICAL SECTION
 ELDAMAIN ROAD
 STA 476+00.00 TO STA 492+75.00**

- NOTES:
- CURB AND GUTTER ON LEFT SIDE ENDS AT STA 477+00.00 (SEE TYPICAL SECTION ABOVE).
 - WHERE THERE IS NO RIGHT-TURN LANE, THE LONGITUDINAL JOINT BETWEEN THE THROUGH LANE AND STRIPED SHOULDER MAY BE SAWED.
 - MAX BACKSLOPE IS 1:3 (SEE CROSS SECTIONS).
 - PROFILE GRADE LINES COMBINE AT STA 478+75.00.

- * SEE CROWN TRANSITION DETAIL FOR VARIABLE SLOPE FROM STA 476+00.00 TO STA 478+75.00.
- **** ADDITIONAL UNDERCUTS SHALL BE PROVIDED IN THE FOLLOWING LOCATIONS AND SHALL BE REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT (CU YD) ON A BED OF GEOTECHNICAL FABRIC.
- STA 479+00.00 TO STA 482+00.00 (12")
- STA 484+00.00 TO STA 488+00.00 (12")

ALL UNDERCUT AREAS SHALL BE DETERMINED AT THE TIME OF CONSTRUCTION BY A QUALIFIED SOILS INSPECTOR AND APPROVED BY THE ENGINEER. THE SUBGRADE SHALL BE TESTED IN ACCORDANCE WITH THE IDOT SUBGRADE STABILITY MANUAL. ANY AGGREGATE/FABRIC NOT NEEDED AT THE TIME OF CONSTRUCTION SHALL BE DELETED FROM THE CONTRACT. NO ADJUSTMENTS IN UNIT PRICE WILL BE ALLOWED FOR AN INCREASE OR DECREASE IN QUANTITIES FROM THE ESTIMATED QUANTITIES SHOWN ON THE PLANS.



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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 - |

KENDALL COUNTY HIGHWAY DEPARTMENT

**TYPICAL SECTIONS
 ELDAMAIN ROAD**

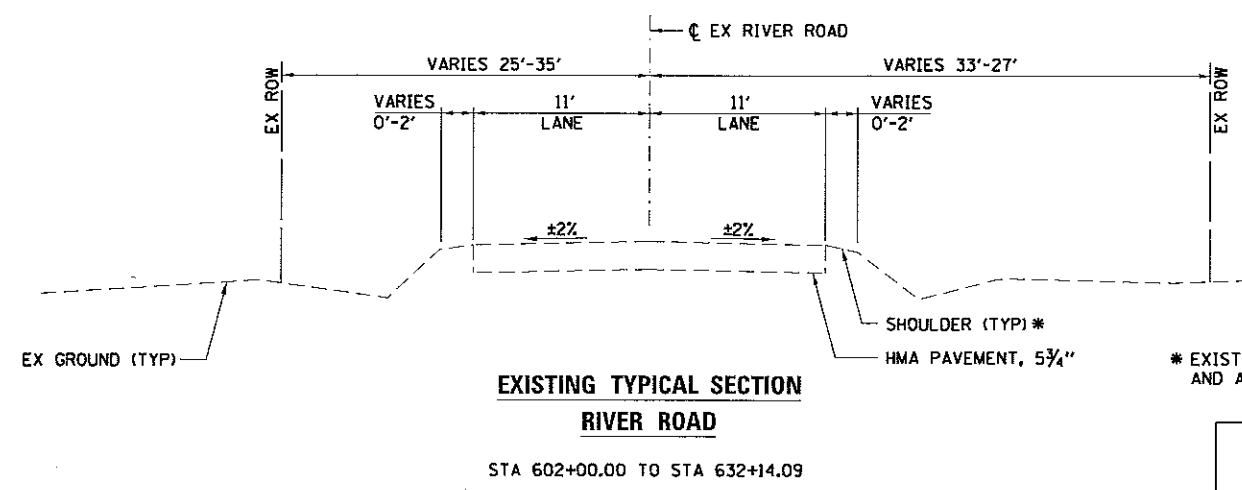
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| F.A.U. RTE. | SECTION NO. | COUNTY | TOTAL SHEETS | SHEET NO. |
| 4000 | 16-00136-00-RP | KENDALL | 237 | 11 |
| FED. ROAD DIST. NO. | | | ILLINOIS FED. AID PROJECT | |
| | | | CONTRACT NO. 87666 | |

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HRG PROJECT NO. 87666
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**EXISTING TYPICAL SECTION
RIVER ROAD**
 STA 602+00.00 TO STA 632+14.09

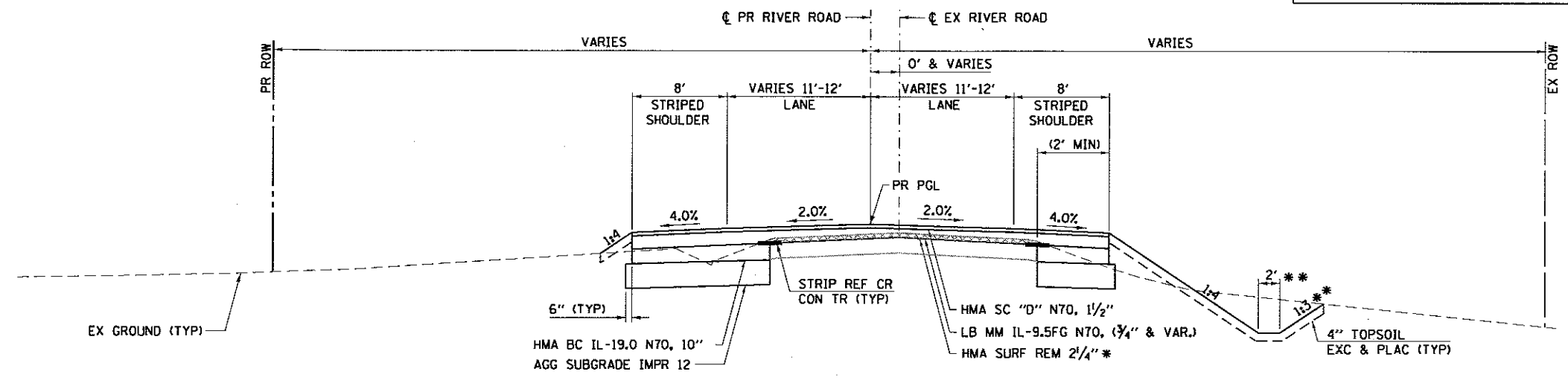
* EXISTING SHOULDER IS VEGETATED WEST OF ELDAMAIN ROAD AND AGGREGATE EAST OF ELDAMAIN ROAD.

PAVEMENT DESIGN - RIVER ROAD

STRUCTURAL DESIGN TRAFFIC (YEAR 2030)
 PV = 8,272 SU = 658 MU = 470

CLASS II ROAD
 SUBGRADE = POOR
 TRAFFIC FACTOR = 2.56

PAVEMENT STRUCTURE MATERIALS:
 SURFACE COURSE TYPE: HMA SURFACE COURSE, MIX "D", N70 - 1 1/2"
 BINDER COURSE: LEVELING BINDER MACHINE METHOD, IL-9.5FG N70 - 3/4" & VARIES
 HMA BINDER COURSE, IL-19.0, N70 - 10"
 SUBGRADE TYPE: AGGREGATE SUBGRADE IMPROVEMENT 12"



**PROPOSED TYPICAL SECTION
RIVER ROAD**
 STA 602+00.00 TO STA 608+00.00

* HMA SURFACE REMOVAL DEPTH SHALL BE THE MINIMUM NECESSARY TO PROVIDE FOR PLACEMENT OF THE 3/4" MINIMUM THICKNESS OF LEVELING BINDER. LESS THAN 2/4" WILL BE REQUIRED WHEN THE PROPOSED PAVEMENT SURFACE IS ABOVE EXISTING. NO HMA SURFACE REMOVAL REQUIRED WHEN THE ELEVATION DIFFERENCE BETWEEN THE PROPOSED AND EXISTING SURFACES ALLOWS FOR THE 3/4" MINIMUM THICKNESS OF LEVELING BINDER TO BE PLACED. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH. HMA SURFACE REMOVAL WILL BE MEASURED FOR PAYMENT IN ACCORDANCE WITH ARTICLE 440.07 OF THE STANDARD SPECIFICATIONS.

** NO RIGHT DITCH STA 602+00.00 TO STA 607+00.00 (1:4 SLOPE TO EX).



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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 - |

KENDALL COUNTY HIGHWAY DEPARTMENT

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|------------------|-----------|-----------|--------------|
| TYPICAL SECTIONS | | | |
| RIVER ROAD | | | |
| 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 | 12 |
| CONTRACT NO. 87666 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

DATE _____ BY _____
 PLAN SURVEYED _____
 PLOTTED _____
 GRADES CHECKED _____
 FILE NAME: _____
 NO. _____
 CADD FILE NAME _____

DATE _____ BY _____
 PROFILE SURVEYED _____
 PLOTTED _____
 GRADES CHECKED _____
 FILE NAME: _____
 NO. _____
 CADD FILE NAME _____

HRG PROJECT NO.: 883028
 HRG PROJ. CONTACT: 384. 730.7487
 FILE NAME: RIVER RD
 PLOT DATE: 5/15/17



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

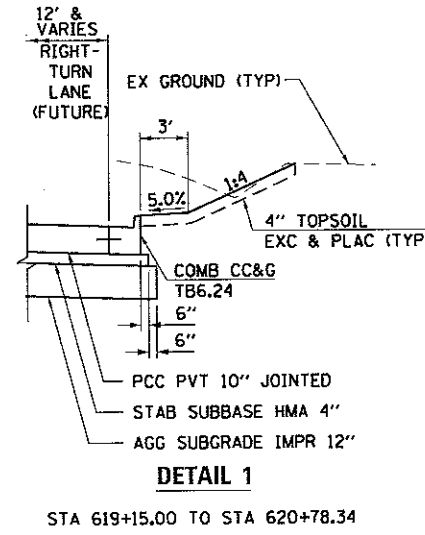
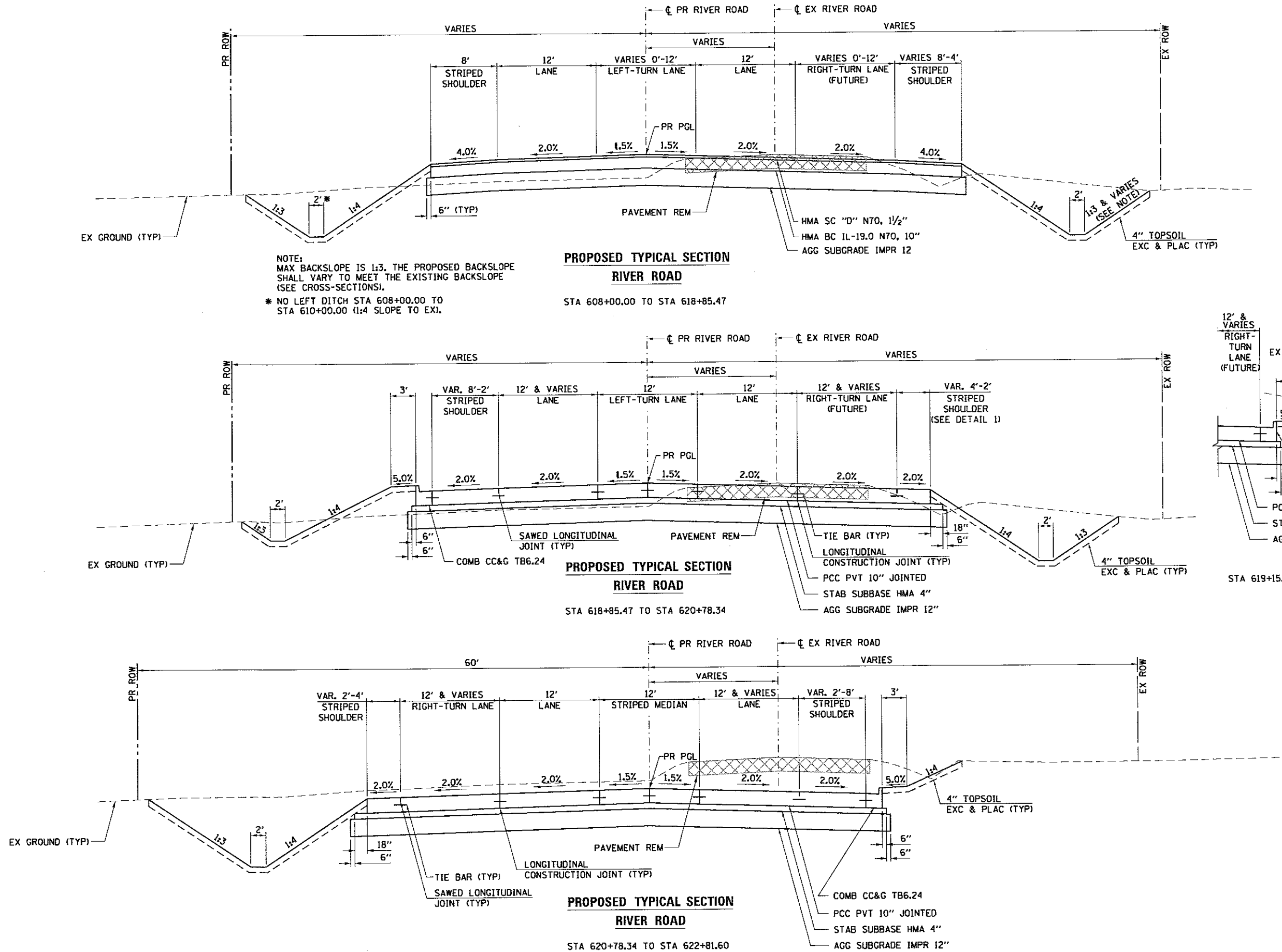
| | |
|----------------|-----------|
| DESIGNED - APS | REVISED - |
| DRAWN - RCB | REVISED - |
| CHECKED - | REVISED - |
| DATE - 5/15/17 | REVISED - |

KENDALL COUNTY HIGHWAY DEPARTMENT

**TYPICAL SECTIONS
 RIVER ROAD**

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. 13 |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |



NOTE:
 MAX BACKSLOPE IS 1:3. THE PROPOSED BACKSLOPE SHALL VARY TO MEET THE EXISTING BACKSLOPE (SEE CROSS-SECTIONS).
 * NO LEFT DITCH STA 608+00.00 TO STA 610+00.00 (1:4 SLOPE TO EX).

**PROPOSED TYPICAL SECTION
 RIVER ROAD**
 STA 608+00.00 TO STA 618+85.47

**PROPOSED TYPICAL SECTION
 RIVER ROAD**
 STA 618+85.47 TO STA 620+78.34

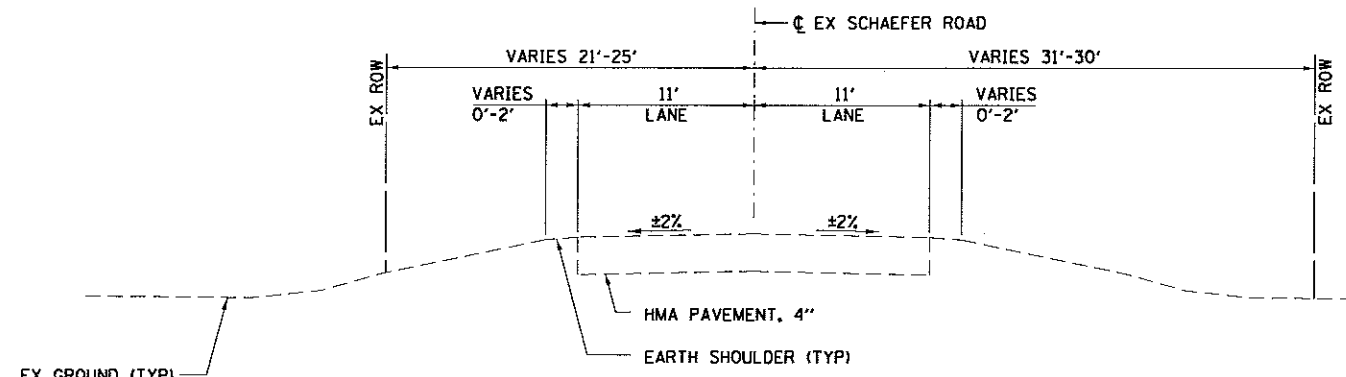
**PROPOSED TYPICAL SECTION
 RIVER ROAD**
 STA 620+78.34 TO STA 622+81.60

DETAIL 1
 STA 619+15.00 TO STA 620+78.34

| | |
|----------------------|--|
| DATE | |
| BY | |
| PLANNED | |
| DESIGNED | |
| CHECKED | |
| APPROVED | |
| NO. OF WAYS CHECKED | |
| NO. OF FILES CHECKED | |
| NO. OF FILES | |
| NO. | |

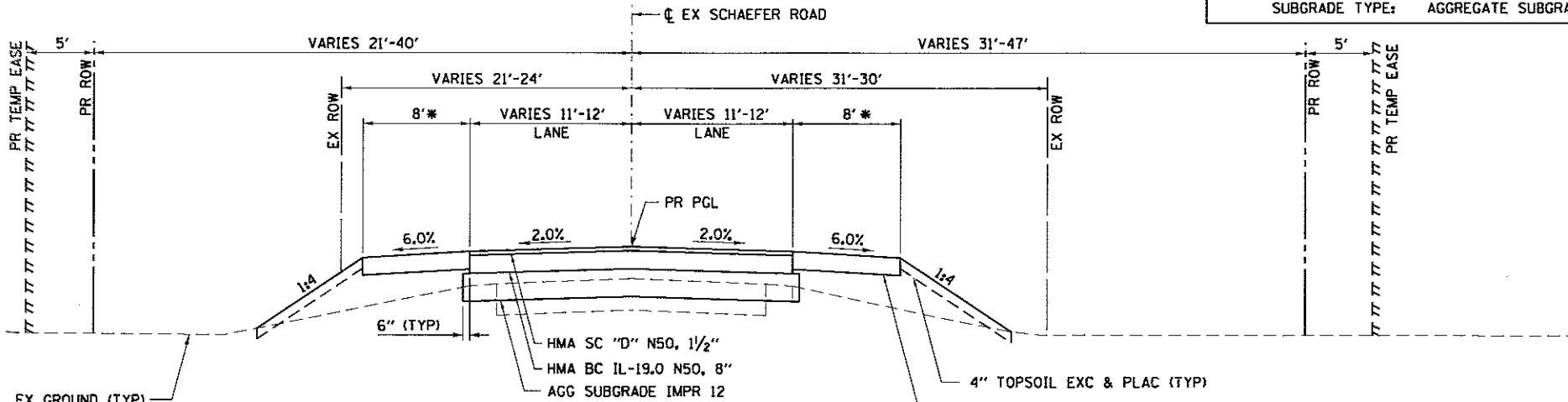
| | |
|----------------------|--|
| DATE | |
| BY | |
| PROFILE | |
| DESIGNED | |
| CHECKED | |
| APPROVED | |
| NO. OF WAYS CHECKED | |
| NO. OF FILES CHECKED | |
| NO. OF FILES | |
| NO. | |

HRG PROJECT NO. 88150381
 HRG PROJ. CONTACT: 394-TYP03.dgn
 FILE NAME: J...perf.dwg
 PLOT DRIVER: J...
 PLOT TABLE: J...



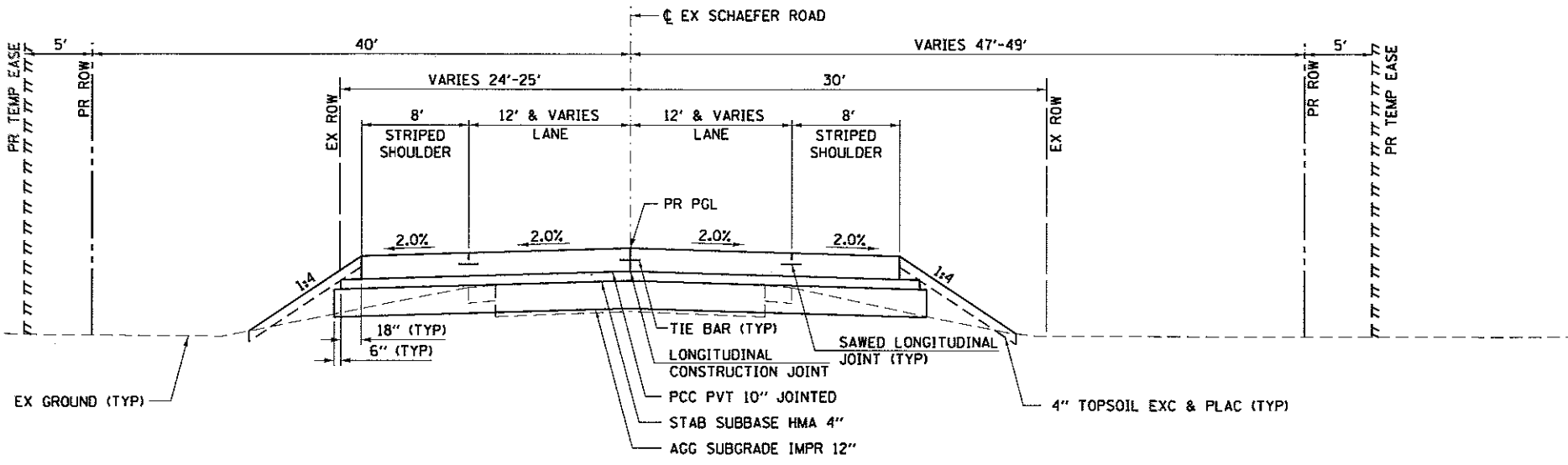
**EXISTING TYPICAL SECTION
SCHAEFER ROAD**
 STA 92+50.00 TO STA 96+81.82

PAVEMENT DESIGN - SCHAEFER ROAD
 STRUCTURAL DESIGN TRAFFIC (YEAR 2030)
 PV = 2,670 SU = 212 MU = 152
 CLASS II ROAD
 SUBGRADE = POOR
 TRAFFIC FACTOR = 0.83
 PAVEMENT STRUCTURE MATERIALS:
 SURFACE COURSE TYPE: HMA SURFACE COURSE, MIX "D", N50 - 1 1/2"
 BINDER COURSE: HMA BINDER COURSE, IL-19.0, N70 - 8"
 SUBGRADE TYPE: AGGREGATE SUBGRADE IMPROVEMENT 12"



**PROPOSED TYPICAL SECTION
SCHAEFER ROAD**
 STA 92+50.00 TO STA 95+74.12

* AGGREGATE SHOULDERS BEGIN AT STA 92+75.00.
 PROVIDE 2' EARTH SHOULDERS AT 6.0% SLOPE
 PRIOR TO STA 92+75.00.



**PROPOSED TYPICAL SECTION
SCHAEFER ROAD**
 STA 95+74.12 TO STA 96+81.82



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

| | | | |
|----------|---|---------|---|
| DESIGNED | - | REVISED | - |
| DRAWN | - | REVISED | - |
| CHECKED | - | REVISED | - |
| DATE | - | REVISED | - |

KENDALL COUNTY HIGHWAY DEPARTMENT

**TYPICAL SECTIONS
SCHAEFER ROAD**

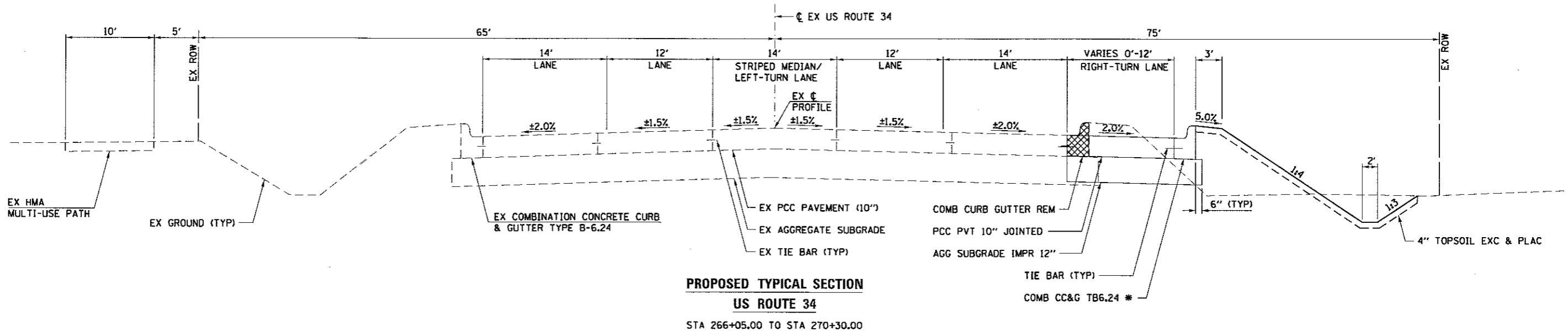
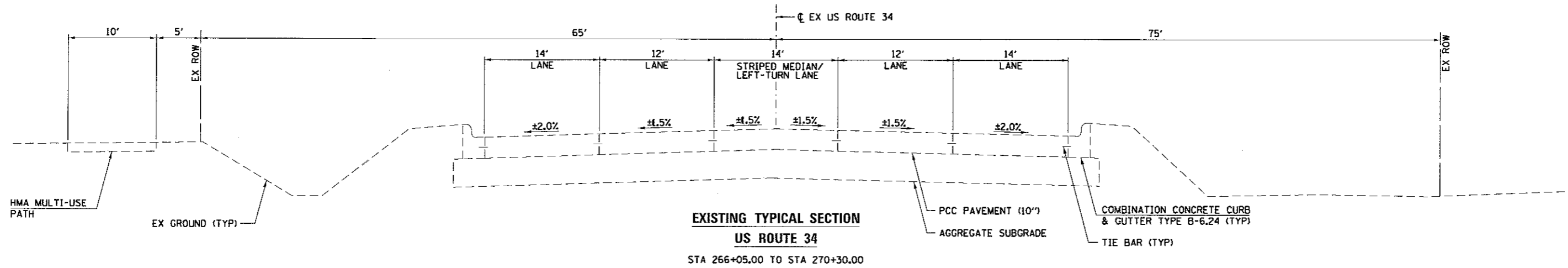
SCALE: SHEET NO. OF SHEETS STA. TO STA.

| | | | | |
|---|----------------|---------|--------------|-----------|
| F.A.U. RTE. | SECTION NO. | COUNTY | TOTAL SHEETS | SHEET NO. |
| 4000 | 16-00136-00-RP | KENDALL | 237 | 15 |
| CONTRACT NO. 87666 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

| | | |
|--------------------|----|------|
| PLAN | BY | DATE |
| SURVEYED | | |
| ALIGNED | | |
| RT. OF WAY CHECKED | | |
| NO. OF WAY CHECKED | | |
| ADD. FILE NAME | | |

| | | |
|--------------------|----|------|
| PROFILE | BY | DATE |
| DESIGNED | | |
| PLOTTED | | |
| GRADES CHECKED | | |
| NOTE BOOK | | |
| NO. OF WAY CHECKED | | |
| ADD. FILE NAME | | |

HRG PROJECT NO. 8990281
 HRG PROJ. CONTACT: JBA - typ@hrg.com
 FILE NUMBER: ALP-0136-00-RP-16
 PEN. TABLE: 160808428



* VARY WIDTH OF GUTTER FLAG FROM 2' TO 4' AS WIDENING VARIES FROM 0' TO 2'.



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

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

KENDALL COUNTY HIGHWAY DEPARTMENT

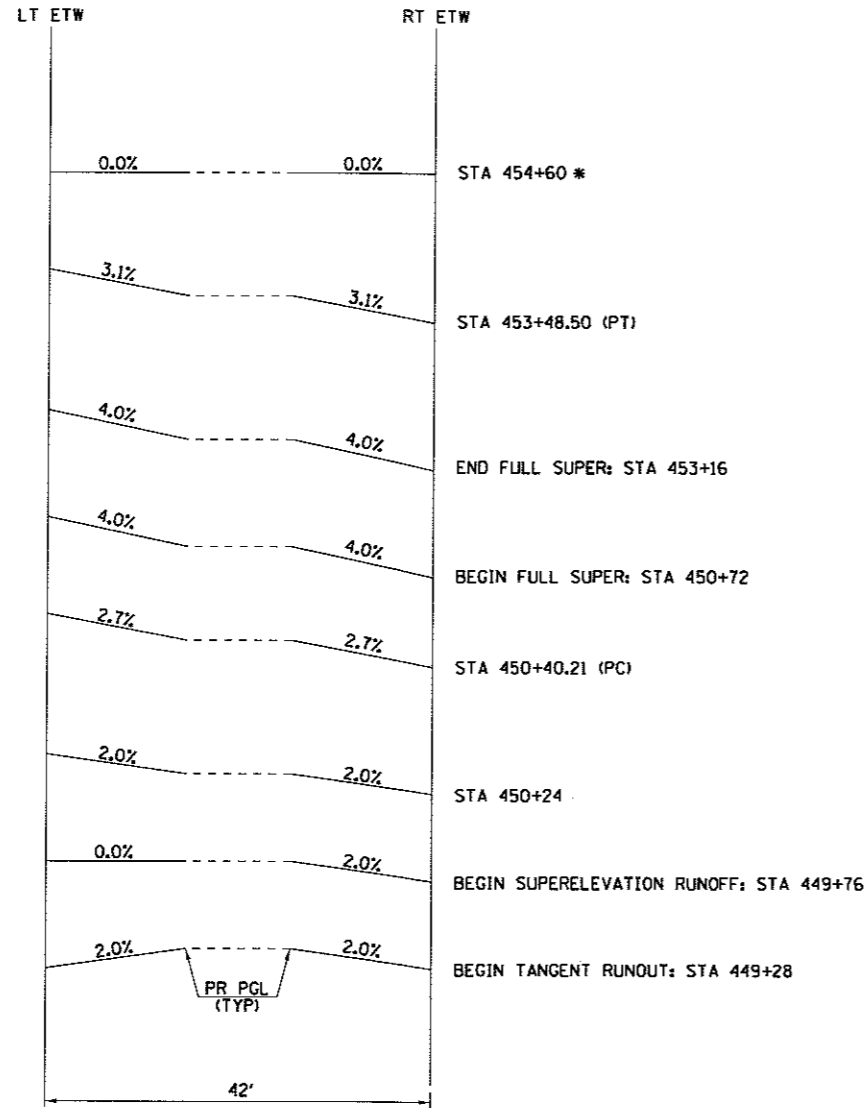
| | | | |
|------------------------------|-----------|-----------|--------------|
| TYPICAL SECTIONS US ROUTE 34 | | | |
| SCALE: | SHEET NO. | OF SHEETS | STA. TO STA. |

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

| | |
|-------------------|--|
| DATE | |
| BY | |
| PLAN | |
| NO. | |
| NOTE BOOK | |
| NO. | |
| ALIGNMENT CHECKED | |
| DATE | |
| CADD FILE NAME | |

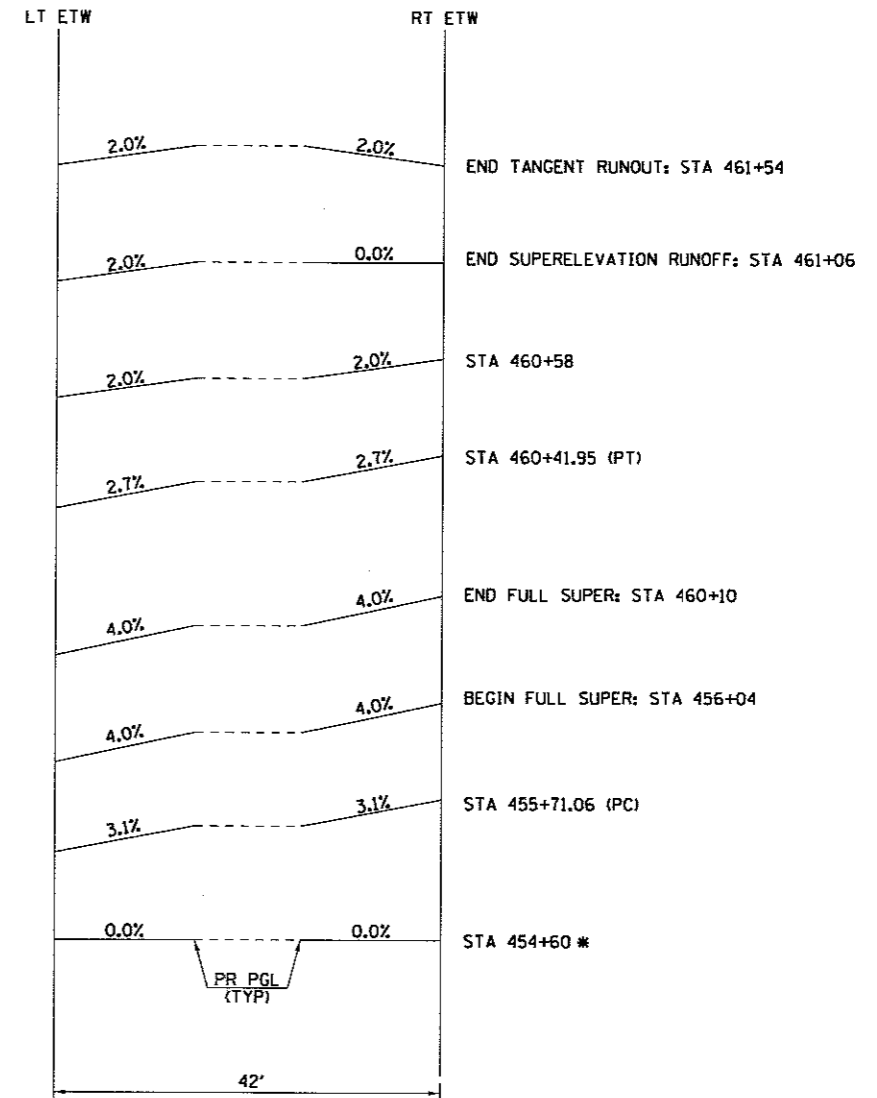
| | |
|--------------------|--|
| DATE | |
| BY | |
| PROFILE | |
| NO. | |
| NOTE BOOK | |
| NO. | |
| STRUCTURE NOTATION | |
| NO. | |
| DATE | |

HRG PROJECT NO.: 880381
 HRG PROJ. CONTACT: JWA
 FILE NAME: 2014 super01.dwg
 PLOT DRIVER: L:\pdt\dwg\pdt01g
 PEN TABLE: plot.tbl



CURVE PRELDA09

e = 4.0%
 TR = 48'
 SE RUNOFF = 96'



CURVE PRELDA10

e = 4.0%
 TR = 48'
 SE RUNOFF = 96'

* THE TRANSITION BETWEEN THE PT OF CURVE PRELDA09 AND THE PC OF CURVE PRELDA10 IS CONTINUOUSLY ROTATING. THE SECTION AT STATION 454+60 HAS 0.0% CROSS SLOPE.



| | | |
|-----------------------|----------------|-----------|
| 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

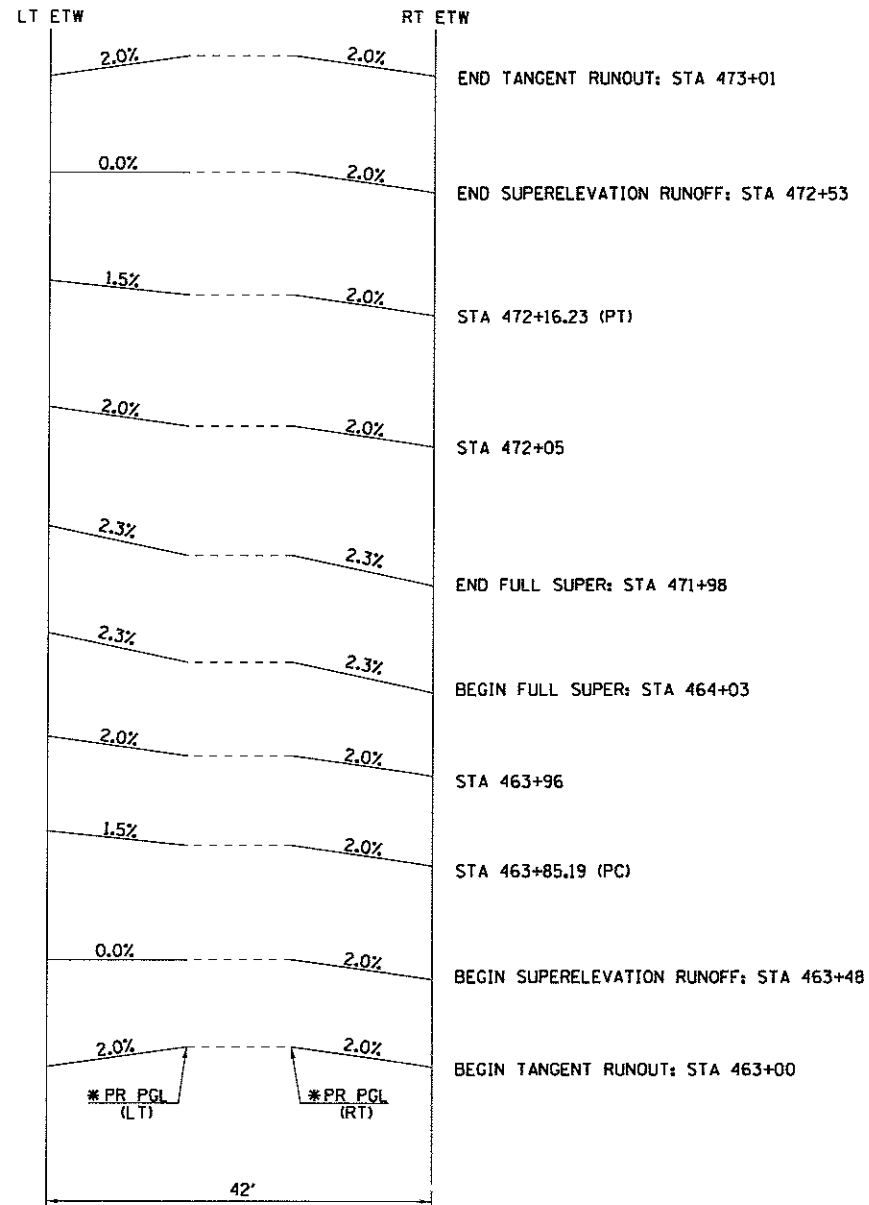
SUPERELEVATION TRANSITION DETAILS
 (SHEET 1 OF 2)

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

| F.A.I. RTE. | SECTION NO. | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------------|---------|--------------|-----------|
| 4000 | 16-00136-00-RP | KENDALL | 237 | 17 |
| CONTRACT NO. 87666 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

| | | | |
|------|---------------|----------------|---------|
| DATE | BY | SURVEYED | CHECKED |
| | | ALIGNED | CHECKED |
| | | RT. OF WAY | CHECKED |
| | | SOFT FILE NAME | |
| PLAN | NOTE BOOK NO. | | |

| | | | |
|---------|---------------|-----------|------------------|
| DATE | BY | REVISIONS | CHECKED |
| | | GRADES | CHECKED |
| | | PLAN | NOTED |
| | | PRINT/USE | NOTIFYING OFFICE |
| PROFILE | NOTE BOOK NO. | | |



CURVE PRELDA11

e = 2.3%
TR = 48'
SE RUNOFF = 55'

* PROFILE GRADE LINES SPLIT
BETWEEN STA. 463+00.00 TO
STA. 477+75.00.

HRG PROJECT NO. 1 89503B
HRG PROJ CONTACT 384-supar-02.dgn
FILE NAME: l...pdf-bwprctg
PLOT DRIVER
PEN TABLE



| | | |
|-----------------------|----------------|-----------|
| 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

**SUPERELEVATION TRANSITION DETAILS
(SHEET 2 OF 2)**

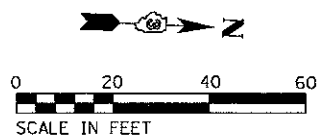
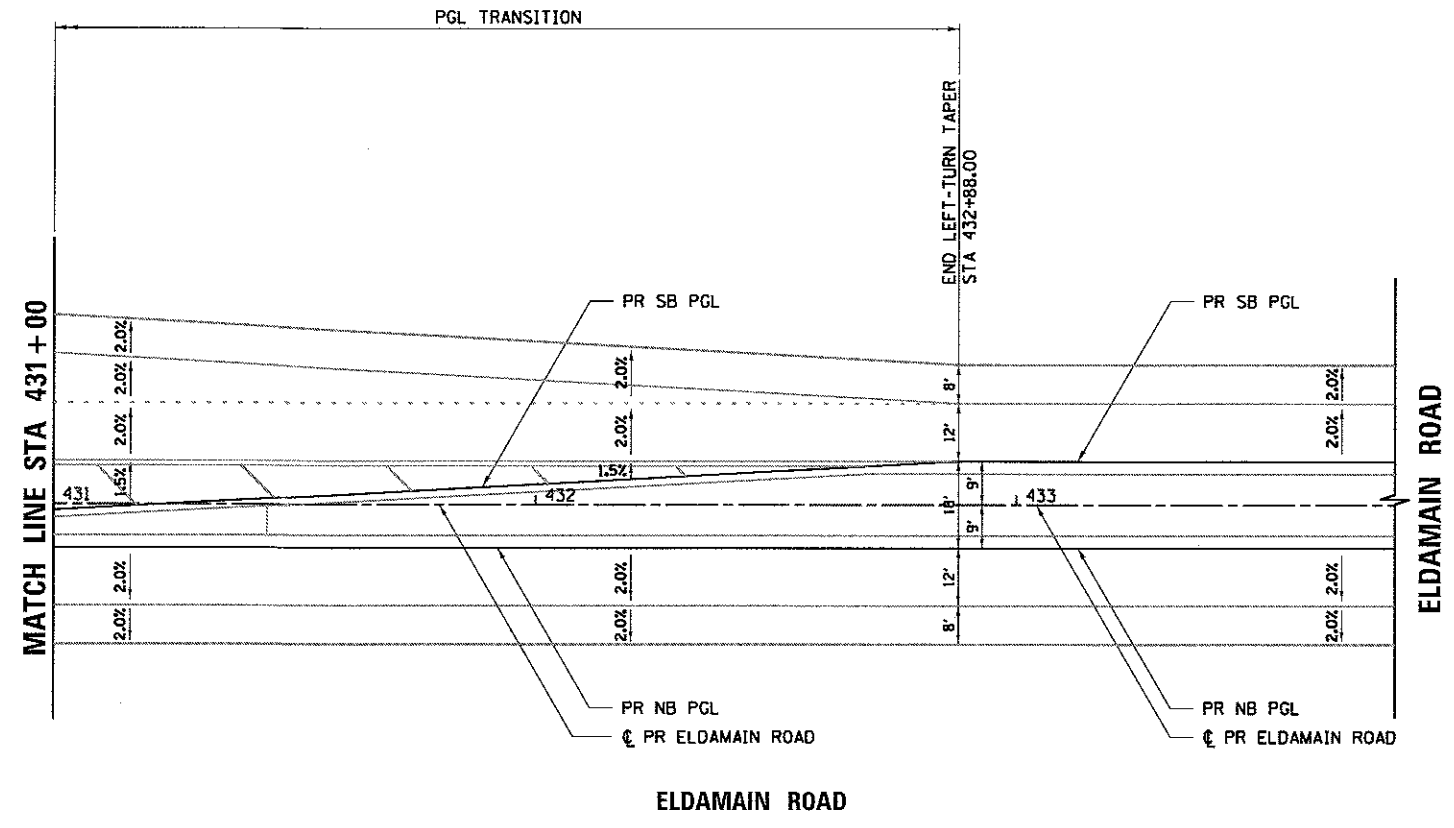
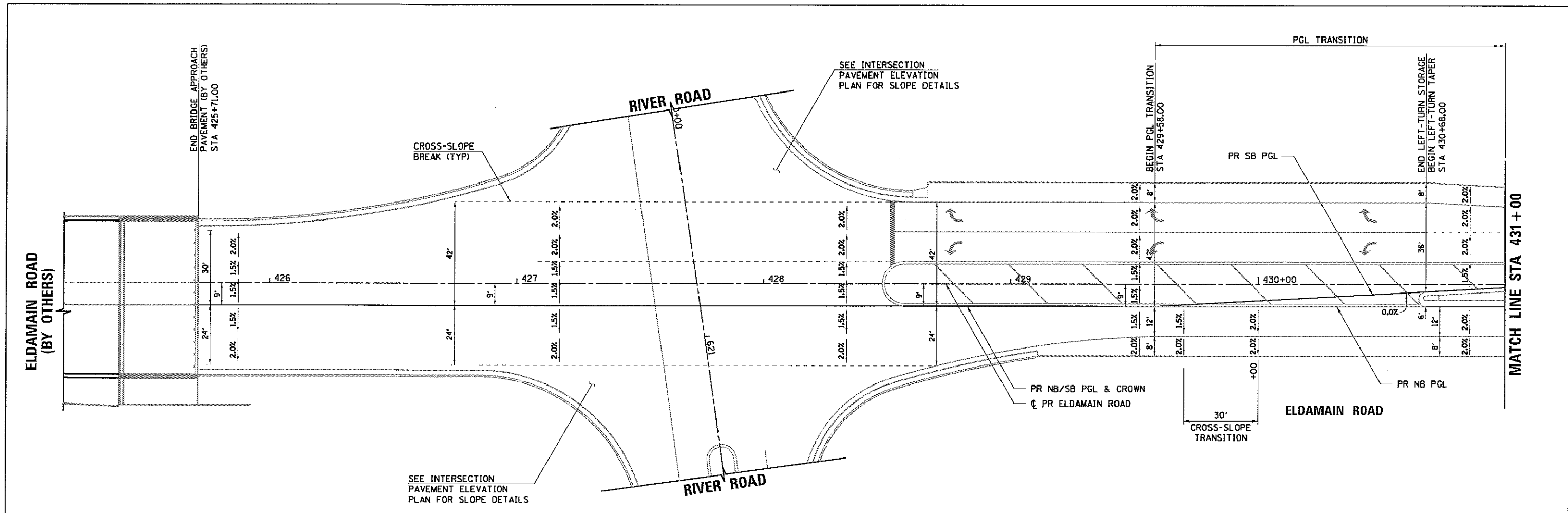
SCALE: SHEET NO. OF SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION NO. | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------|----------------|---------|--------------|---------------------------|
| 4000 | 16-00136-00-RP | KENDALL | 237 | 18 |
| FED. ROAD DIST. NO. | | | | ILLINOIS FED. AID PROJECT |
| CONTRACT NO. 87666 | | | | |

| | | | |
|------|----------------|----|------|
| PLAN | SURVEYED | BY | DATE |
| | DESIGNED | | |
| | CHECKED | | |
| | NOTED | | |
| | STRUCTURE | | |
| | STATISTICS | | |
| | CHKD | | |
| | NO. | | |
| | FILE NAME | | |
| | CADD FILE NAME | | |

| | | | |
|---------|----------------|----|------|
| PROFILE | SURVEYED | BY | DATE |
| | DESIGNED | | |
| | CHECKED | | |
| | NOTED | | |
| | STRUCTURE | | |
| | STATISTICS | | |
| | CHKD | | |
| | NO. | | |
| | FILE NAME | | |
| | CADD FILE NAME | | |

HRG PROJECT NO. 1
 HRG PROJ. CONTACT
 FILE NAME: 39A-dgr-crown-transition.dgn
 PLOT DRIVER: l...pdf...
 PEN TABLE: dia.tbl



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

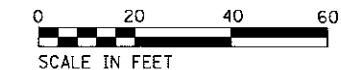
| | | | |
|------------|---------|-----------|--|
| DESIGNED - | APS | REVISED - | |
| DRAWN - | RCB | REVISED - | |
| CHECKED - | | REVISED - | |
| DATE - | 5/15/17 | REVISED - | |

KENDALL COUNTY HIGHWAY DEPARTMENT

**ELDAMAIN ROAD PGL & CROWN
 TRANSITION DETAIL AT RIVER ROAD**

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

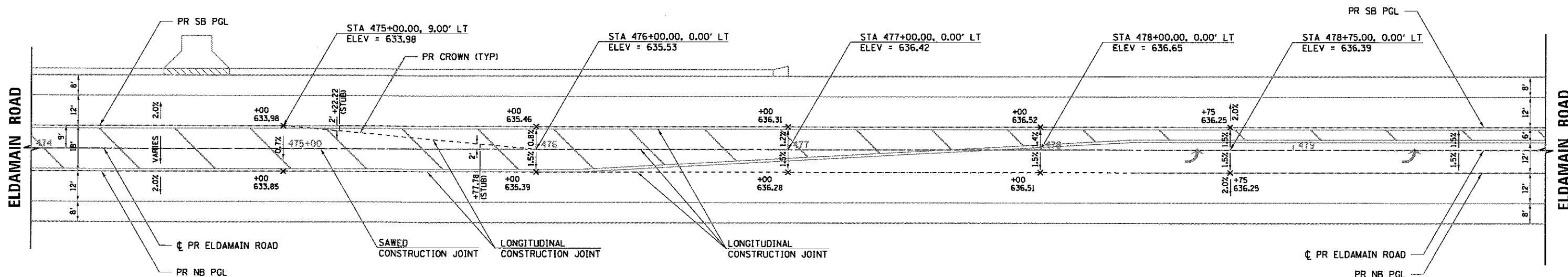
| | | | | |
|---|----------------|---------|--------------|-----------|
| F.A.U. RTE. | SECTION NO. | COUNTY | TOTAL SHEETS | SHEET NO. |
| 4000 | 16-00136-00-RP | KENDALL | 237 | 19 |
| CONTRACT NO. 87666 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |



| | | | |
|------|---------------------|----|------|
| PLAN | SURVEYED | BY | DATE |
| | PLOTTED | | |
| | CHECKED | | |
| | REV. OF WAY CHECKED | | |
| | CADD FILE NAME | | |
| | NO. | | |

| | | | |
|---------|------------|----|------|
| PROFILE | SURVEYED | BY | DATE |
| | PLANNING | | |
| | DESIGNED | | |
| | CHECKED | | |
| | REV. NOTED | | |
| | STRUCTURE | | |
| | NOTATING | | |
| | CHKD | | |
| | NO. | | |

HRG PROJECT NO.: 86100381
 HRG PROJ. CONTACT: 381A_crown-trans-cs_half02.dgn
 FILE NAME: 4_def_bw.dwg
 PLOT DRIVER: plotlabel.plt
 PEN TABLE:



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

KENDALL COUNTY HIGHWAY DEPARTMENT

ELDAMAIN ROAD CROWN
 TRANSITION DETAIL AT CUMMINS STREET

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 | 20 |
| | | | | CONTRACT NO. 87666 |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

SCHEDULE OF QUANTITIES

NITROGEN FERTILIZER NUTRIENT

| POUNDS | LOCATION |
|--------|---|
| 18.21 | ELDAMAIN ROAD - SOUTH OF RIVER ROAD STA 423+26.31, 40.68' RT TO 426+07.64, 71.70' LT |
| 7.48 | STA 425+41.69, 0.00' RT TO 426+09.04, 75.00' RT |
| 17.26 | STA 426+06.54, 26.74' LT TO 427+26.55, 93.19' LT |
| 10.00 | STA 426+09.04, 37.67' RT TO 427+36.87, 107.45' RT |
| 52.94 | SUB-TOTAL |

| POUNDS | LOCATION |
|--------|--|
| 23.29 | ELDAMAIN ROAD - RIVER ROAD TO SCHAEFER ROAD STA 427+76.03, 147.94' LT TO 434+00.00, 55.33' LT |
| 52.58 | STA 428+20.67, 85.83' RT TO 434+00.00, 75.00' RT |
| 54.36 | STA 428+40.10, 60.18' LT TO 434+67.10, 89.16' LT |
| 21.20 | STA 431+44.31, 0.42' RT TO 440+68.69, 6.42' LT |
| 50.81 | STA 434+00.00, 29.00' LT TO 443+74.07, 42.07' LT |
| 40.33 | STA 434+00.00, 29.00' RT TO 442+50.00, 41.16' RT |
| 1.80 | STA 434+00.00, 66.60' RT TO 434+54.00, 75.00' RT |
| 9.03 | STA 434+54.00, 51.01' RT TO 440+00.00, 62.62' RT |
| 6.47 | STA 434+67.00, 51.01' RT TO 438+59.00, 64.55' RT |
| 13.54 | STA 438+59.08, 67.34' LT TO 443+76.00, 61.83' LT |
| 7.70 | STA 440+00.00, 42.18' LT TO 447+68.19, 50.03' LT |
| 65.03 | STA 440+00.00, 66.60' RT TO 450+00.00, 75.00' RT |
| 17.79 | STA 442+50.00, 29.00' RT TO 450+00.00, 40.62' RT |
| 19.80 | STA 444+01.82, 42.18' LT TO 449+11.76, 114.74' LT |
| 2.55 | STA 444+25.00, 6.42' RT TO 445+88.69, 0.42' LT |
| 5.28 | STA 448+77.61, 81.09' LT TO 448+91.76, 114.66' LT |
| 14.61 | STA 92+50.00, 11.00' LT TO 96+00.00, 45.00' LT |
| 1.24 | STA 93+59.70, 40.00' LT TO 95+00.00, 45.00' LT |
| 1.25 | STA 93+66.52, 40.00' RT TO 95+00.00, 48.01' RT |
| 2.27 | STA 95+00.00, 40.00' RT TO 96+00.00, 48.01' RT |
| 10.68 | STA 95+00.00, 20.00' RT TO 95+00.00, 40.00' RT |
| 4.71 | STA 449+52.76, 114.91' LT TO 450+10.00, 50' RT |
| 426.31 | SUB-TOTAL |

| POUNDS | LOCATION |
|--------|--|
| 45.38 | ELDAMAIN ROAD - SCHAEFER ROAD TO ROB ROY CREEK STA 449+89.58, 6.42' RT TO 467+00.00, 6.42' LT |
| 22.15 | STA 450+00.00, 29.00' RT TO 460+00.00, 41.43' RT |
| 84.51 | STA 450+00.00, 40.62' RT TO 467+20.00, 71.70' RT |
| 41.40 | STA 450+10.00, 29.00' LT TO 460+00.00, 49.00' RT |
| 12.47 | STA 452+09.59, 50.00' LT TO 456+00.00, 65.00' LT |
| 3.31 | STA 456+00.00, 49.00' LT TO 457+00.00, 65.00' LT |
| 50.25 | STA 457+00.00, 49.00' LT TO 466+70.00, 60.00' LT |
| 25.76 | STA 460+00.00, 29.00' LT TO 466+70.00, 50.06' LT |
| 16.60 | STA 460+00.00, 29.00' RT TO 467+20.00, 46.75' RT |
| 2.38 | STA 466+70.00, 30.58' LT TO 467+36.64, 30.87' LT |
| 5.17 | STA 467+20.00, 32.00' RT TO 468+19.42, 60.00' RT |
| 309.37 | SUB-TOTAL |

| POUNDS | LOCATION |
|--------|---|
| 9.22 | ELDAMAIN ROAD - ROB ROY CREEK TO CUMMINS STREET STA 467+38.03, 60.00' LT TO 469+26.05, 60.00' LT |
| 7.83 | STA 468+24.24, 30.52' RT TO 469+42.23, 44.00' RT |
| 7.48 | STA 468+58.12, 60.00' LT TO 469+33.83, 107.73' LT |
| 87.51 | STA 469+25.58, 114.36' RT TO 480+85.25, 100' RT |
| 20.30 | STA 469+39.95, 44.00' LT TO 472+14.86, 46.58' LT |
| 2.04 | STA 472+49.25, 36.42' LT TO 474+57.34, 36.42' LT |
| 36.62 | STA 474+73.66, 36.42' LT TO 480+71.16, 90.00' LT |
| 2.08 | STA 480+96.60, 57.71' LT TO 481+27.80, 90.00' LT |
| 0.81 | STA 481+06.58, 71.55' RT TO 481+20.42, 100.00' RT |
| 173.90 | SUB-TOTAL |

| POUNDS | LOCATION |
|--------|---|
| 80.80 | ELDAMAIN ROAD - CUMMINS STREET TO US ROUTE 34 STA 481+46.33, 90.00' LT TO 491+40.00, 69.00' LT |
| 98.66 | STA 481+47.58, 67.31' RT TO 492+88.41, 112.13' RT |
| 15.29 | STA 491+64.00, 44.00' LT TO 493+13.50, 174.36' LT |
| 21.22 | STA 266+05.00, 34.73' RT TO 269+33.91, 74.32' RT |
| 215.97 | SUB-TOTAL |

| POUNDS | LOCATION |
|--------|---|
| 2.22 | RIVER ROAD - WEST TERMINUS TO ELDAMAIN ROAD STA 602+00.00, 19.00' RT TO 603+05.09, 36.31' RT |
| 5.08 | STA 602+14.52, 19.32' LT TO 604+49.96, 30.72' LT |
| 63.75 | STA 603+17.31, 36.32' RT TO 613+15.78, 31.02' RT |
| 34.39 | STA 604+70.04, 30.47' LT TO 619+33.02, 39.44' LT |
| 29.13 | STA 608+00.00, 65.00' LT TO 620+29.10, 75.34' LT |
| 16.79 | STA 612+99.39, 68.99' RT TO 615+01.32, 69.55' RT |
| 5.03 | STA 615+17.64, 35.06' RT TO 615+81.89, 36.45' RT |
| 10.35 | STA 615+83.15, 68.43' RT TO 617+30.03, 64.46' RT |
| 3.75 | STA 617+54.14, 43.34' RT TO 618+22.90, 60.46' RT |
| 3.22 | STA 618+37.27, 44.29' RT, TO 619+32.35, 85.28' RT |
| 173.71 | SUB-TOTAL |

NITROGEN FERTILIZER NUTRIENT

| POUNDS | LOCATION |
|--------|---|
| 18.59 | RIVER ROAD - ELDAMAIN ROAD TO EAST TERMINUS STA 621+36.44, 44.87' RT TO 625+14.06, 53.03' RT |
| 37.34 | STA 621+69.84, 35.10' LT TO 627+30.07, 23.08' LT |
| 7.17 | STA 625+60.15, 36.00' RT TO 626+69.97, 49.40' RT |
| 21.60 | STA 626+84.03, 34.03' RT TO 632+14.01, 40.00' RT |
| 29.68 | STA 627+30.07, 23.08' LT TO 632+14.01, 50.00' LT |
| 114.40 | SUB-TOTAL |

1466.60 TOTAL

PHOSPHORUS FERTILIZER NUTRIENT

| POUNDS | LOCATION |
|--------|---|
| 18.21 | ELDAMAIN ROAD - SOUTH OF RIVER ROAD STA 423+26.31, 40.68' LT TO 426+07.64, 71.70' LT |
| 7.48 | STA 425+41.69, 0.00' RT TO 426+09.04, 75.00' RT |
| 17.26 | STA 426+06.54, 26.74' LT TO 427+26.55, 93.19' LT |
| 10.00 | STA 426+09.04, 37.67' RT TO 427+36.87, 107.45' RT |
| 52.94 | SUB-TOTAL |

| POUNDS | LOCATION |
|--------|--|
| 23.29 | ELDAMAIN ROAD - RIVER ROAD TO SCHAEFER ROAD STA 427+76.03, 147.94' LT TO 434+00.00, 55.33' LT |
| 52.58 | STA 428+20.67, 85.83' RT TO 434+00.00, 75.00' RT |
| 54.36 | STA 428+40.10, 60.18' LT TO 434+67.10, 89.16' LT |
| 21.20 | STA 431+44.31, 0.42' RT TO 440+68.69, 6.42' LT |
| 50.81 | STA 434+00.00, 29.00' LT TO 443+74.07, 42.07' LT |
| 40.33 | STA 434+00.00, 29.00' RT TO 442+50.00, 41.16' RT |
| 1.80 | STA 434+00.00, 66.60' RT TO 434+54.00, 75.00' RT |
| 9.03 | STA 434+54.00, 51.01' RT TO 440+00.00, 62.62' RT |
| 6.47 | STA 434+67.00, 51.01' RT TO 438+59.00, 64.55' RT |
| 13.54 | STA 438+59.08, 67.34' LT TO 443+76.00, 61.83' LT |
| 7.70 | STA 440+00.00, 42.18' LT TO 447+68.19, 50.03' LT |
| 65.03 | STA 440+00.00, 66.60' RT TO 450+00.00, 75.00' RT |
| 17.79 | STA 442+50.00, 29.00' RT TO 450+00.00, 40.62' RT |
| 19.80 | STA 444+01.82, 42.18' LT TO 449+11.76, 114.74' LT |
| 2.55 | STA 444+25.00, 6.42' RT TO 445+88.69, 0.42' LT |
| 5.28 | STA 448+77.61, 81.09' LT TO 448+91.76, 114.66' LT |
| 14.61 | STA 92+50.00, 11.00' LT TO 96+00.00, 45.00' LT |
| 1.24 | STA 93+59.70, 40.00' LT TO 95+00.00, 45.00' LT |
| 1.25 | STA 93+66.52, 40.00' RT TO 95+00.00, 48.01' RT |
| 2.27 | STA 95+00.00, 40.00' RT TO 96+00.00, 48.01' RT |
| 10.68 | STA 95+00.00, 20.00' RT TO 95+00.00, 40.00' RT |
| 4.71 | STA 449+52.76, 114.91' LT TO 450+10.00, 50' RT |
| 426.31 | SUB-TOTAL |

| POUNDS | LOCATION |
|--------|--|
| 45.38 | ELDAMAIN ROAD - SCHAEFER ROAD TO ROB ROY CREEK STA 449+89.58, 6.42' RT TO 467+00.00, 6.42' LT |
| 22.15 | STA 450+00.00, 29.00' RT TO 460+00.00, 41.43' RT |
| 84.51 | STA 450+00.00, 40.62' RT TO 467+20.00, 71.70' RT |
| 41.40 | STA 450+10.00, 29.00' LT TO 460+00.00, 49.00' RT |
| 12.47 | STA 452+09.59, 50.00' LT TO 456+00.00, 65.00' LT |
| 3.31 | STA 456+00.00, 49.00' LT TO 457+00.00, 65.00' LT |
| 50.25 | STA 457+00.00, 49.00' LT TO 466+70.00, 60.00' LT |
| 25.76 | STA 460+00.00, 29.00' LT TO 466+70.00, 50.06' LT |
| 16.60 | STA 460+00.00, 29.00' RT TO 467+20.00, 46.75' RT |
| 2.38 | STA 466+70.00, 30.58' LT TO 467+36.64, 30.87' LT |
| 5.17 | STA 467+20.00, 32.00' RT TO 468+19.42, 60.00' RT |
| 309.37 | SUB-TOTAL |

| POUNDS | LOCATION |
|--------|---|
| 9.22 | ELDAMAIN ROAD - ROB ROY CREEK TO CUMMINS STREET STA 467+38.03, 60.00' LT TO 469+26.05, 60.00' LT |
| 7.83 | STA 468+24.24, 30.52' RT TO 469+42.23, 44.00' RT |
| 7.48 | STA 468+58.12, 60.00' LT TO 469+33.83, 107.73' LT |
| 87.51 | STA 469+25.58, 114.36' RT TO 480+85.25, 100' RT |
| 20.30 | STA 469+39.95, 44.00' LT TO 472+14.86, 46.58' LT |
| 2.04 | STA 472+49.25, 36.42' LT TO 474+57.34, 36.42' LT |
| 36.62 | STA 474+73.66, 36.42' LT TO 480+71.16, 90.00' LT |
| 2.08 | STA 480+96.60, 57.71' LT TO 481+27.80, 90.00' LT |
| 0.81 | STA 481+06.58, 71.55' RT TO 481+20.42, 100.00' RT |
| 173.90 | SUB-TOTAL |

| POUNDS | LOCATION |
|--------|---|
| 80.80 | ELDAMAIN ROAD - CUMMINS STREET TO US ROUTE 34 STA 481+46.33, 90.00' LT TO 491+40.00, 69.00' LT |
| 98.66 | STA 481+47.58, 67.31' RT TO 492+88.41, 112.13' RT |
| 15.29 | STA 491+64.00, 44.00' LT TO 493+13.50, 174.36' LT |
| 21.22 | STA 266+05.00, 34.73' RT TO 269+33.91, 74.32' RT |
| 215.97 | SUB-TOTAL |

PHOSPHORUS FERTILIZER NUTRIENT

| POUNDS | LOCATION |
|--------|---|
| 2.22 | RIVER ROAD - WEST TERMINUS TO ELDAMAIN ROAD STA 602+00.00, 19.00' RT TO 603+05.09, 36.31' RT |
| 5.08 | STA 602+14.52, 19.32' LT TO 604+49.96, 30.72' LT |
| 63.75 | STA 603+17.31, 36.32' RT TO 613+15.78, 31.02' RT |
| 34.39 | STA 604+70.04, 30.47' LT TO 619+33.02, 39.44' LT |
| 29.13 | STA 608+00.00, 65.00' LT TO 620+29.10, 75.34' LT |
| 16.79 | STA 612+99.39, 68.99' RT TO 615+01.32, 69.55' RT |
| 5.03 | STA 615+17.64, 35.06' RT TO 615+81.89, 36.45' RT |
| 10.35 | STA 615+83.15, 68.43' RT TO 617+30.03, 64.46' RT |
| 3.75 | STA 617+54.14, 43.34' RT TO 618+22.90, 60.46' RT |
| 3.22 | STA 618+37.27, 44.29' RT, TO 619+32.35, 85.28' RT |
| 173.71 | SUB-TOTAL |

| POUNDS | LOCATION |
|--------|---|
| 18.59 | RIVER ROAD - ELDAMAIN ROAD TO EAST TERMINUS STA 621+36.44, 44.87' RT TO 625+14.06, 53.03' RT |
| 37.34 | STA 621+69.84, 35.10' LT TO 627+30.07, 23.08' LT |
| 7.17 | STA 625+60.15, 36.00' RT TO 626+69.97, 49.40' RT |
| 21.60 | STA 626+84.03, 34.03' RT TO 632+14.01, 40.00' RT |
| 29.68 | STA 627+30.07, 23.08' LT TO 632+14.01, 50.00' LT |
| 114.40 | SUB-TOTAL |

1466.60 TOTAL

POTASSIUM FERTILIZER NUTRIENT

| POUNDS | LOCATION |
|--------|---|
| 18.21 | ELDAMAIN ROAD - SOUTH OF RIVER ROAD STA 423+26.31, 40.68' LT TO 426+07.64, 71.70' LT |
| 7.48 | STA 425+41.69, 0.00' RT TO 426+09.04, 75.00' RT |
| 17.26 | STA 426+06.54, 26.74' LT TO 427+26.55, 93.19' LT |
| 10.00 | STA 426+09.04, 37.67' RT TO 427+36.87, 107.45' RT |
| 52.94 | SUB-TOTAL |

| POUNDS | LOCATION |
|--------|--|
| 23.29 | ELDAMAIN ROAD - RIVER ROAD TO SCHAEFER ROAD STA 427+76.03, 147.94' LT TO 434+00.00, 55.33' LT |
| 52.58 | STA 428+20.67, 85.83' RT TO 434+00.00, 75.00' RT |
| 54.36 | STA 428+40.10, 60.18' LT TO 434+67.10, 89.16' LT |
| 21.20 | STA 431+44.31, 0.42' RT TO 440+68.69, 6.42' LT |
| 50.81 | STA 434+00.00, 29.00' LT TO 443+74.07, 42.07' LT |
| 40.33 | STA 434+00.00, 29.00' RT TO 442+50.00, 41.16' RT |
| 1.80 | STA 434+00.00, 66.60' RT TO 434+54.00, 75.00' RT |
| 9.03 | STA 434+54.00, 51.01' RT TO 440+00.00, 62.62' RT |
| 6.47 | STA 434+67.00, 51.01' RT TO 438+59.00, 64.55' RT |
| 13.54 | STA 438+59.08, 67.34' LT TO 443+76.00, 61.83' LT |
| 7.70 | STA 440+00.00, 42.18' LT TO 447+68.19, 50.03' LT |
| 65.03 | STA 440+00.00, 66.60' RT TO 450+00.00, 75.00' RT |
| 17.79 | STA 442+50.00, 29.00' RT TO 450+00.00, 40.62' RT |
| 19.80 | STA 444+01.82, 42.18' LT TO 449+11.76, 114.74' LT |
| 2.55 | STA 444+25.00, 6.42' RT TO 445+88.69, 0.42' LT |
| 5.28 | STA 448+77.61, 81.09' LT TO 448+91.76, 114.66' LT |
| 14.61 | STA 92+50.00, 11.00' LT TO 96+00.00, 45.00' LT |
| 1.24 | STA 93+59.70, 40.00' LT TO 95+00.00, 45.00' LT |
| 1.25 | STA 93+66.52, 40.00' RT TO 95+00.00, 48.01' RT |
| 2.27 | STA 95+00.00, 40.00' RT TO 96+00.00, 48.01' RT |
| 10.68 | STA 95+00.00, 20.00' RT TO 95+00.00, 40.00' RT |
| 4.71 | STA 449+52.76, 114.91' LT TO 450+10.00, 50' RT |
| 426.31 | SUB-TOTAL |

| POUNDS | LOCATION |
|--------|--|
| 45.38 | ELDAMAIN ROAD - SCHAEFER ROAD TO ROB ROY CREEK STA 449+89.58, 6.42' RT TO 467+00.00, 6.42' LT</ |

SCHEDULE OF QUANTITIES

POTASSIUM FERTILIZER NUTRIENT (CONT'D)

| POUNDS | LOCATION |
|--|---|
| 9.22 | ELDAMAIN ROAD - ROB ROY CREEK TO CUMMINS STREET STA 467+38.03, 60.00' LT TO 469+26.05, 60.00' LT |
| 7.83 | STA 468+24.24, 30.52' RT TO 469+42.23, 44.00' RT |
| 7.48 | STA 468+58.12, 60.00' LT TO 469+33.83, 107.73' LT |
| 87.51 | STA 469+25.58, 114.36' RT TO 480+85.25, 100' RT |
| 20.30 | STA 469+39.95, 44.00' LT TO 472+14.86, 46.58' LT |
| 2.04 | STA 472+49.25, 36.42' LT TO 474+57.34, 36.42' LT |
| 36.62 | STA 474+73.66, 36.42' LT TO 480+71.16, 90.00' LT |
| 2.08 | STA 480+96.60, 57.71' LT TO 481+27.80, 90.00' LT |
| 0.81 | STA 481+06.58, 71.55' RT TO 481+20.42, 100.00' RT |
| 173.90 | SUB-TOTAL |
| ELDAMAIN ROAD - CUMMINS STREET TO US ROUTE 34 | |
| 80.80 | STA 481+46.33, 90.00' LT TO 491+40.00, 69.00' LT |
| 98.66 | STA 481+47.58, 67.31' RT TO 492+88.41, 112.13' RT |
| 15.29 | STA 491+64.00, 44.00' LT TO 493+13.50, 174.36' LT |
| 21.22 | STA 266+05.00, 34.73' RT TO 269+33.91, 74.32' RT |
| 215.97 | SUB-TOTAL |
| RIVER ROAD - WEST TERMINUS TO ELDAMAIN ROAD | |
| 2.22 | STA 602+00.00, 19.00' RT TO 603+05.09, 36.31' RT |
| 5.08 | STA 602+14.52, 19.32' LT TO 604+49.96, 30.72' LT |
| 63.75 | STA 603+17.31, 36.32' RT TO 613+15.78, 31.02' RT |
| 34.39 | STA 604+70.04, 30.47' LT TO 619+33.02, 39.44' LT |
| 29.13 | STA 608+00.00, 65.00' LT TO 620+29.10, 75.34' LT |
| 16.79 | STA 612+99.39, 68.99' RT TO 615+01.32, 69.55' RT |
| 5.03 | STA 615+17.64, 35.06' RT TO 615+81.89, 36.45' RT |
| 10.35 | STA 615+83.15, 68.43' RT TO 617+30.03, 64.46' RT |
| 3.75 | STA 617+54.14, 43.34' RT TO 618+22.90, 60.46' RT |
| 3.22 | STA 618+37.27, 44.29' RT, TO 619+32.35, 85.28' RT |
| 173.71 | SUB-TOTAL |
| RIVER ROAD - ELDAMAIN ROAD TO EAST TERMINUS | |
| 18.59 | STA 621+36.44, 44.87' RT TO 625+14.06, 53.03' RT |
| 37.34 | STA 621+69.84, 35.10' LT TO 627+30.07, 23.08' LT |
| 7.17 | STA 625+60.15, 36.00' RT TO 626+69.97, 49.40' RT |
| 21.60 | STA 626+84.03, 34.03' RT TO 632+14.01, 40.00' RT |
| 29.68 | STA 627+30.07, 23.08' LT TO 632+14.01, 50.00' LT |
| 114.40 | SUB-TOTAL |
| 1466.60 | TOTAL |

EROSION CONTROL BLANKET

| SQ_YD | LOCATION |
|--|---|
| ELDAMAIN ROAD - SOUTH OF RIVER ROAD | |
| 472.09 | STA 425+41.69, 0.00' LT TO 426+07.64, 71.70' LT |
| 402.03 | STA 425+41.69, 0.00' RT TO 426+09.04, 75.00' RT |
| 928.11 | STA 426+06.54, 26.74' LT TO 427+26.55, 93.19' LT |
| 537.93 | STA 426+09.04, 37.67' RT TO 427+36.87, 107.45' RT |
| 2340.16 | SUB-TOTAL |
| ELDAMAIN ROAD - RIVER ROAD TO SCHAEFER ROAD | |
| 1252.36 | STA 427+76.03, 147.94' LT TO 434+00.00, 55.33' LT |
| 2827.39 | STA 428+20.67, 85.83' RT TO 434+00.00, 75.00' RT |
| 2923.11 | STA 428+40.10, 60.18' LT TO 434+67.10, 89.16' LT |
| 1139.88 | STA 431+44.31, 0.42' RT TO 440+68.69, 6.42' LT |
| 2732.53 | STA 434+00.00, 29.00' LT TO 443+74.07, 42.07' LT |
| 2168.64 | STA 434+00.00, 29.00' RT TO 442+50.00, 41.16' RT |
| 97.02 | STA 434+00.00, 55.01' RT TO 434+54.00, 75.00' RT |
| 485.47 | STA 434+54.00, 51.01' RT TO 440+00.00, 62.62' RT |
| 347.82 | STA 434+67.00, 51.01' RT TO 438+59.00, 64.55' RT |
| 727.98 | STA 438+59.08, 67.34' LT TO 443+76.00, 61.83' LT |
| 414.13 | STA 440+00.00, 42.18' LT TO 447+68.19, 50.03' LT |
| 3497.11 | STA 440+00.00, 66.60' RT TO 450+00.00, 75.00' RT |
| 956.44 | STA 442+50.00, 29.00' RT TO 450+00.00, 40.62' RT |
| 1065.03 | STA 444+01.82, 42.18' LT TO 449+11.76, 114.74' LT |
| 137.10 | STA 444+25.00, 6.42' RT TO 445+88.69, 0.42' LT |
| 284.21 | STA 448+77.61, 81.09' LT TO 448+91.76, 114.66' LT |
| 785.56 | STA 92+50.00, 11.00' LT TO 96+00.00, 45.00' LT |
| 66.83 | STA 93+59.70, 40.00' LT TO 95+00.00, 45.00' LT |
| 67.07 | STA 93+66.52, 40.00' RT TO 95+00.00, 48.01' RT |
| 122.33 | STA 95+00.00, 40.00' RT TO 96+00.00, 48.01' RT |
| 574.40 | STA 95+00.00, 20.00' RT TO 95+00.00, 40.00' RT |
| 253.40 | STA 449+52.76, 114.91' LT TO 450+10.00, 50' RT |
| 22925.80 | SUB-TOTAL |

EROSION CONTROL BLANKET

| SQ_YD | LOCATION |
|--|---|
| ELDAMAIN ROAD - SCHAEFER ROAD TO ROB ROY CREEK | |
| 2440.20 | STA 449+89.58, 6.42' RT TO 467+00.00, 6.42' RT |
| 1190.92 | STA 450+00.00, 29.00' RT TO 460+00.00, 41.43' RT |
| 4544.75 | STA 450+00.00, 40.62' RT TO 467+20.00, 71.70' RT |
| 2226.67 | STA 450+10.00, 29.00' LT TO 460+00.00, 49.00' RT |
| 670.74 | STA 452+09.59, 50.00' LT TO 456+00.00, 65.00' LT |
| 177.78 | STA 456+00.00, 49.00' LT TO 457+00.00, 65.00' LT |
| 2702.12 | STA 457+00.00, 49.00' LT TO 466+70.00, 60.00' LT |
| 1385.51 | STA 460+00.00, 29.00' LT TO 466+70.00, 50.06' LT |
| 892.80 | STA 460+00.00, 29.00' RT TO 467+20.00, 46.75' RT |
| 127.78 | STA 466+70.00, 32.00' LT TO 467+36.64, 30.87' LT |
| 278.07 | STA 467+20.00, 32.00' RT TO 468+19.42, 60.00' RT |
| 16637.34 | SUB-TOTAL |
| ELDAMAIN ROAD - ROB ROY CREEK TO CUMMINS STREET | |
| 495.99 | STA 467+38.03, 60.00' LT TO 469+26.05, 60.00' LT |
| 421.27 | STA 468+24.24, 30.52' RT TO 469+42.23, 44.00' RT |
| 402.34 | STA 468+58.12, 60.00' LT TO 469+33.83, 107.73' LT |
| 4706.17 | STA 469+25.58, 114.36' RT TO 480+85.25, 100' RT |
| 1091.67 | STA 469+39.95, 44.00' LT TO 472+14.86, 46.58' LT |
| 109.59 | STA 472+49.25, 36.42' LT TO 474+57.34, 36.42' LT |
| 1969.12 | STA 474+73.66, 36.42' LT TO 480+71.16, 90.00' LT |
| 111.94 | STA 480+96.60, 57.71' LT TO 481+27.80, 90.00' LT |
| 43.75 | STA 481+06.58, 71.55' RT TO 481+20.42, 100.00' RT |
| 9351.83 | SUB-TOTAL |
| ELDAMAIN ROAD - CUMMINS STREET TO US ROUTE 34 | |
| 4345.17 | STA 481+46.33, 90.00' LT TO 491+40.00, 69.00' LT |
| 5305.85 | STA 481+47.58, 67.31' RT TO 492+88.41, 112.13' RT |
| 822.26 | STA 491+64.00, 44.00' LT TO 493+13.50, 174.36' LT |
| 1141.31 | STA 266+05.00, 34.73' RT TO 269+33.91, 74.32' RT |
| 11614.58 | SUB-TOTAL |
| RIVER ROAD - WEST TERMINUS TO ELDAMAIN ROAD | |
| 119.50 | 602+00.00, 19.00' RT TO 603+05.09, 36.31' RT |
| 273.10 | 602+14.52, 19.32' LT TO 604+49.96, 30.72' LT |
| 3428.29 | 603+17.31, 36.32' RT TO 613+15.78, 31.02' RT |
| 1849.31 | 604+70.04, 30.47' LT TO 619+33.02, 39.44' LT |
| 1566.32 | 608+00.00, 65.00' LT TO 620+29.10, 75.34' LT |
| 903.15 | 612+99.39, 68.99' RT TO 615+01.32, 69.55' RT |
| 270.73 | 615+17.64, 35.06' RT TO 615+81.89, 36.45' RT |
| 556.43 | 615+83.15, 68.43' RT TO 617+30.03, 64.46' RT |
| 201.69 | 617+54.14, 43.34' RT TO 618+22.90, 60.46' RT |
| 173.00 | 618+37.27, 44.29' RT, TO 619+32.35, 85.28' RT |
| 9341.53 | SUB-TOTAL |
| RIVER ROAD - ELDAMAIN ROAD TO EAST TERMINUS | |
| 999.96 | STA 621+36.44, 44.87' RT TO 625+14.06, 53.03' RT |
| 2008.29 | STA 621+69.84, 35.10' LT TO 627+30.07, 23.08' LT |
| 385.71 | STA 625+60.15, 36.00' RT TO 626+69.97, 49.40' RT |
| 1161.68 | STA 626+84.03, 34.03' RT TO 632+14.01, 40.00' RT |
| 1596.38 | STA 627+30.07, 23.08' LT TO 632+14.01, 50.00' LT |
| 6152.03 | SUB-TOTAL |
| 78363.26 | TOTAL |
| HEAVY DUTY EROSION CONTROL BLANKET | |
| SQ_YD | LOCATION |
| ELDAMAIN ROAD - SOUTH OF RIVER ROAD | |
| 19.84 | STA 423+26.31, 40.68' LT TO 423+42.52, 40.70' LT |
| 223.34 | STA 423+42.52, 18.69' LT TO 424+33.70, 40.77' LT |
| 451.48 | STA 424+33.70, 18.69' LT TO 425+41.41, 72.06' LT |
| 694.66 | SUB-TOTAL |
| 694.66 | TOTAL |

PIPE CULVERT REMOVAL

| FOOT | LOCATION |
|----------------------|--|
| ELDAMAIN ROAD | |
| 50 | STA 436+27.95, 82.9' LT TO 436+29.58, 33.0' LT |
| 44 | STA 452+76.80, 54.9' LT TO 452+77.84, 11.1' LT |
| 31 | STA 469+16.37, 56.5' LT TO 469+44.71, 46.6' LT |
| 41 | STA 472+11.05, 17.2' LT TO 472+51.12, 16.6' LT |
| 28 | TEMPORARY CULVERT FOR TEMPORARY ACCESS ROAD |
| 194 | SUB-TOTAL |
| RIVER ROAD | |
| 34 | STA 617+25.30, 44.6' RT TO 617+59.28, 42.5' RT |
| 29 | STA 618+15.11, 40.1' RT TO 618+43.95, 38.9' RT |
| 63 | SUB-TOTAL |
| 257 | TOTAL |

STORM SEWER REMOVAL 12"

| FOOT | LOCATION |
|----------------------|--|
| ELDAMAIN ROAD | |
| 204 | STA 480+73.28, 66.7' RT TO 482+76.56, 56.7' RT |
| 204 | SUB-TOTAL |
| US ROUTE 34 | |
| 7 | STA 268+61.68, 34.3' RT TO 268+61.99, 40.9' RT |
| 132 | STA 268+61.99, 40.9' RT TO 269+93.91, 44.2' RT |
| 10 | STA 269+93.91, 44.2' RT TO 269+95.23, 34.4' RT |
| 68 | STA 269+93.91, 44.2' RT TO 270+60.51, 54.3' RT |
| 217 | SUB-TOTAL |
| 421 | TOTAL |

STORM SEWER REMOVAL 15"

| FOOT | LOCATION |
|--------------------|--|
| US ROUTE 34 | |
| 33 | STA 270+60.51, 86.1' RT TO 270+55.61, 54.3' RT |
| 33 | SUB-TOTAL |
| 33 | TOTAL |

STORM SEWER REMOVAL 24"

| FOOT | LOCATION |
|--------------------|--|
| US ROUTE 34 | |
| 24 | STA 271+80.12, 63.1' RT TO 271+82.37, 86.7' RT |
| 24 | SUB-TOTAL |
| 24 | TOTAL |

CONTROLLED LOW-STRENGTH MATERIAL

| CU_YD | LOCATION |
|--------------------|--|
| US ROUTE 34 | |
| 15 | STA 270+60.80, 55.0' RT TO 271+80.45, 63.7' RT |
| 15 | SUB-TOTAL |
| 15 | TOTAL |

| | |
|----------|------|
| BY | DATE |
| | |
| PLANNING | |
| DESIGN | |
| CHECKING | |
| NOTED | |

| | |
|----------|------|
| BY | DATE |
| | |
| PROFILE | |
| DESIGN | |
| CHECKING | |
| NOTED | |

PROJECT NO. 16-00136-00-RP
 FILE NAME: 16-00136-00-RP_SCH3
 PLOT DRIVER: pldrvr.plt
 PEN TABLE: pntbl.tbl



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

KENDALL COUNTY HIGHWAY DEPARTMENT

SCHEDULE OF QUANTITIES (SHEET 3 OF 4)

| | | |
|--------|---------------------|--------------|
| 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 | 23 |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | CONTRACT NO. 87666 | |

SCHEDULE OF QUANTITIES

**FURNISHING AND ERECTING
RIGHT OF WAY MARKERS**

| EACH | LOCATION |
|------|--------------------------|
| 1 | ELDAMAIN ROAD |
| 1 | STA 426+92.86, 152.3' RT |
| 1 | STA 427+00.00, 75.0' RT |
| 1 | STA 428+40.10, 101.9' LT |
| 1 | STA 429+00.00, 75.0' RT |
| 1 | STA 448+00.00, 49.1' LT |
| 1 | STA 450+10.00, 50.0' LT |
| 1 | STA 450+40.21, 50.0' LT |
| 1 | STA 450+40.21, 75.0' RT |
| 1 | STA 452+09.59, 50.0' LT |
| 1 | STA 453+48.50, 75.0' RT |
| 1 | STA 454+56.61, 50.0' LT |
| 1 | STA 455+00.00, 60.0' RT |
| 1 | STA 455+00.00, 75.0' RT |
| 1 | STA 455+71.06, 50.0' LT |
| 1 | STA 455+71.06, 60.0' RT |
| 1 | STA 460+41.95, 50.0' LT |
| 1 | STA 460+41.95, 60.0' RT |
| 1 | STA 461+47.76, 50.0' LT |
| 1 | STA 463+85.19, 60.0' RT |
| 1 | STA 466+43.57, 60.0' LT |
| 1 | STA 469+12.62, 60.0' RT |
| 1 | STA 469+15.16, 50.0' RT |
| 1 | STA 472+16.23, 50.0' RT |
| 1 | STA 472+16.24, 60.0' LT |
| 1 | STA 475+00.00, 50.0' RT |
| 1 | STA 475+00.00, 60.0' LT |
| 1 | STA 475+00.00, 75.0' RT |
| 1 | STA 475+00.00, 75.0' RT |
| 1 | STA 479+58.76, 70.0' LT |
| 1 | STA 479+58.76, 75.0' LT |
| 1 | STA 480+58.76, 70.0' LT |
| 1 | STA 480+60.39, 75.0' RT |
| 1 | STA 481+58.92, 75.0' LT |
| 1 | STA 481+67.25, 75.0' RT |
| 1 | STA 492+38.49, 75.0' RT |
| 1 | STA 492+49.53, 75.0' LT |
| 36 | SUB-TOTAL |
| | RIVER ROAD |
| 1 | STA 602+14.50, 30.0' LT |
| 1 | STA 602+14.52, 22.9' LT |
| 1 | STA 605+00.00, 30.0' LT |
| 1 | STA 606+93.70, 35.6' LT |
| 1 | STA 608+00.00, 35.0' LT |
| 1 | STA 609+05.07, 47.1' LT |
| 1 | STA 611+99.93, 45.4' LT |
| 1 | STA 615+00.33, 45.4' LT |
| 1 | STA 617+41.53, 45.7' LT |
| 1 | STA 619+43.94, 45.0' LT |
| 1 | STA 621+79.98, 50.8' RT |
| 1 | STA 622+50.00, 60.0' LT |
| 1 | STA 625+00.00, 60.0' LT |
| 1 | STA 628+98.88, 50.0' LT |
| 1 | STA 632+14.09, 50.0' LT |
| 1 | STA 632+14.11, 22.3' LT |
| 16 | SUB-TOTAL |
| | SCHAEFER ROAD |
| 1 | STA 92+50.00, 21.2' LT |
| 1 | STA 93+04.36, 31.3' RT |
| 1 | STA 94+00.00, 40.0' LT |
| 1 | STA 96+00.00, 49.0' RT |
| 1 | STA 96+25.00, 40.0' LT |
| 5 | SUB-TOTAL |
| 57 | TOTAL |

PERMANENT SURVEY MARKERS, TYPE I

| EACH | LOCATION | |
|------|---------------|---------------------------------------|
| 1 | ELDAMAIN ROAD | |
| 1 | STA 427+73.00 | CL-CL (ELDAMAIN ROAD - RIVER ROAD) |
| 1 | STA 449+32.10 | CL-CL (ELDAMAIN ROAD - SCHAEFER ROAD) |
| 1 | STA 472+16.24 | PT |
| 1 | STA 481+12.00 | CL-CL (ELDAMAIN ROAD - CUMMINS DRIVE) |
| 1 | STA 481+13.50 | CL-CL (ELDAMAIN ROAD - RENA LANE) |
| 1 | STA 493+44.23 | CL-CL (ELDAMAIN ROAD - US ROUTE 34) |
| 6 | SUB-TOTAL | |
| | RIVER ROAD | |
| 1 | STA 602+14.43 | PC |
| 1 | STA 609+78.86 | PRC |
| 1 | STA 628+40.56 | PRC |
| 1 | STA 632+14.09 | PT |
| 4 | SUB-TOTAL | |
| 10 | TOTAL | |

PERMANENT SURVEY MARKERS, TYPE II

| EACH | LOCATION | |
|------|---------------|----|
| 1 | ELDAMAIN ROAD | |
| 1 | STA 450+40.21 | PC |
| 1 | STA 453+48.50 | PT |
| 1 | STA 455+71.06 | PC |
| 1 | STA 460+41.95 | PT |
| 1 | STA 463+85.19 | PC |
| 5 | SUB-TOTAL | |
| 5 | TOTAL | |

CHANGEABLE MESSAGE SIGN, SPECIAL

| CAL | MO | LOCATION |
|-----|----|----------------------------|
| 24 | | RIVER ROAD WESTBOUND |
| 24 | | FOX RIVER DRIVE NORTHBOUND |
| 24 | | FOX RIVER DRIVE SOUTHBOUND |
| 24 | | US 34 WESTBOUND |
| 24 | | US 34 EASTBOUND |
| 24 | | ELDAMAIN ROAD SOUTHBOUND |
| 144 | | SUB-TOTAL |
| 144 | | TOTAL |

FENCE REMOVAL

| EQOI | LOCATION |
|------|---|
| | ELDAMAIN ROAD |
| 261 | STA 449+61.86, 74.9' LT TO 452+01.48, 50.0' LT |
| 827 | STA 453+71.78, 65.0' LT TO 462+06.90, 63.4' LT |
| 334 | STA 466+39.30, 60.1' LT TO 469+26.57, 108.7' RT |
| 656 | STA 469+37.34, 99.5' RT TO 474+98.42, 50.0' RT |
| 348 | STA 469+58.26, 89.5' LT TO 472+01.78, 60.0' LT |
| 84 | STA 482+27.21, 22.3' LT TO 483+10.69, 22.6' LT |
| 429 | STA 483+85.20, 23.2' LT TO 488+13.94, 23.1' LT |
| 305 | STA 484+26.28, 25.9' RT TO 487+30.65, 24.9' RT |
| 3244 | SUB-TOTAL |
| | RIVER ROAD |
| 31 | STA 602+62.92, 21.7' RT TO 602+89.67, 33.2' RT |
| 41 | STA 603+30.03, 24.9' RT TO 603+69.18, 31.9' RT |
| 220 | STA 619+87.40, 77.1' RT TO 621+79.99, 50.8' RT |
| 292 | SUB-TOTAL |
| | SCHAEFER ROAD |
| 387 | STA 92+54.83, 22.5' LT TO 96+40.04, 30.1' LT |
| 387 | SUB-TOTAL |
| 3923 | TOTAL |

FENCE REMOVAL (SPECIAL)

| EQOI | LOCATION |
|------|--|
| 35 | ELDAMAIN ROAD |
| 35 | STA 472+08.43, 25.6' LT TO 472+01.78, 60.0' LT |
| | SUB-TOTAL |
| 35 | TOTAL |

| | |
|----------|------|
| PLAN | DATE |
| BY | |
| REVISION | |
| NO. | |
| DATE | |
| BY | |
| REVISION | |
| NO. | |
| DATE | |
| BY | |
| REVISION | |
| NO. | |
| DATE | |

| | |
|----------|------|
| PROFILE | DATE |
| BY | |
| REVISION | |
| NO. | |
| DATE | |
| BY | |
| REVISION | |
| NO. | |
| DATE | |
| BY | |
| REVISION | |
| NO. | |
| DATE | |

HRG PROJECT NO. 1680038
 HRG PROJ. CONTACT: JRM, 8600469
 FILE NAME: IL_cdr_dwgs.ctb
 PLOT DRIVER: PLOTDRIVER
 PEN TABLE: PLOTDRIVER.tbl



| | | |
|-----------------------|----------------|-----------|
| USER NAME = jrcotbu | DESIGNED - APS | REVISED - |
| PLOT SCALE = | DRAWN - RCB | REVISED - |
| PLOT DATE = 5/18/2017 | CHECKED - | REVISED - |
| | DATE - 5/15/17 | REVISED - |

KENDALL COUNTY HIGHWAY DEPARTMENT

| | | | |
|-------------------------------|-----------|-----------|--------------|
| SCHEDULE OF QUANTITIES | | | |
| (SHEET 4 OF 4) | | | |
| 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 | 24 |
| FED. ROAD DIST. NO. | | | ILLINOIS FED. AID PROJECT | |

CONTRACT NO. 87666

| | |
|-----------|--|
| DATE | |
| BY | |
| PLANNED | |
| DESIGNED | |
| CHECKED | |
| BY | |
| DATE | |
| FILE NAME | |
| PLANNED | |
| DESIGNED | |
| CHECKED | |
| BY | |
| DATE | |
| FILE NAME | |
| PLANNED | |
| DESIGNED | |
| CHECKED | |
| BY | |
| DATE | |
| FILE NAME | |

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| DATE | |
| BY | |
| PLANNED | |
| DESIGNED | |
| CHECKED | |
| BY | |
| DATE | |
| FILE NAME | |
| PLANNED | |
| DESIGNED | |
| CHECKED | |
| BY | |
| DATE | |
| FILE NAME | |
| PLANNED | |
| DESIGNED | |
| CHECKED | |
| BY | |
| DATE | |
| FILE NAME | |

| LOCATION | COMBINATION CURB AND GUTTER REMOVAL (FOOT) | | SIDEWALK REMOVAL (SQ FT) | STRIP REFLECTIVE CRACK CONTROL TREATMENT (SQ YD) | | AGGREGATE SHOULDERS, TYPE B 6" (SQ YD) | | COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12 (FOOT) | | COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24 (FOOT) | | TEMPORARY ACCESS ROAD (SPECIAL) (SQ YD) | AGGREGATE SURFACE COURSE, TYPE B 8" (SQ YD) | TEMPORARY ACCESS PRIVATE ENTRANCE (EACH) | TEMPORARY ACCESS COMMERCIAL ENTRANCE (EACH) | TEMPORARY ACCESS FIELD ENTRANCE (EACH) | HOT-MIX ASPHALT SURFACE REMOVAL VARIABLE DEPTH (SQ YD) | CONCRETE MEDIAN, TYPE SB-6.24 (SPECIAL) (SQ FT) | RAMPED MEDIAN NOSE (EACH) |
|--------------------------------|--|-------|--------------------------|--|-------|--|-------|---|-------|---|-------|---|---|--|---|--|--|---|---------------------------|
| | LEFT | RIGHT | | LEFT | RIGHT | LEFT | RIGHT | LEFT | RIGHT | LEFT | RIGHT | | | | | | | | |
| ELDAMAIN ROAD | | | | | | | | | | | | | | | | | | | |
| STA 425+71.00 TO STA 449+32.10 | | | | | | | | 125 | 251 | 1059 | 993 | | | | | | | 4472 | 1 |
| STA 449+32.10 TO STA 467+19.07 | | | | | | | | | | 1709 | 1711 | | | | | | | | 2 |
| STA 468+39.59 TO STA 481+12.00 | | | | | | | | | | 525 | | 3170 | | | | | | | |
| STA 481+12.00 TO STA 492+75.00 | | 20 | | | | | | | | 53 | 42 | | | | | | | | |
| RIVER ROAD | | | | | | | | | | | | | | | | | | | |
| STA 602+14.43 TO STA 620+44.97 | | | | 600 | 601 | | | | | 147 | 160 | | | | | | | 1495 | |
| STA 621+13.71 TO STA 632+14.09 | | | | 424 | 427 | | | | | 87 | 146 | | | | | | | 1045 | |
| SCHAEFFER ROAD | | | | | | | | | | | | | | | | | | | |
| STA 92+50.00 TO STA 96+85.82 | | | | | | 266 | 266 | | | | | | | | | | | | |
| CUMMINS STREET | | | | | | | | | | | | | | | | | | | |
| STA 159+10.00 TO STA 159+71.00 | 29 | 29 | 206 | | | | | 86 | 86 | | | | | | | | | | |
| RENA LANE | | | | | | | | | | | | | | | | | | | |
| STA 170+29.00 TO STA 171+00.00 | 91 | 68 | 235 | | | | | 139 | 136 | | | | | | | | | | |
| US ROUTE 34 | | | | | | | | | | | | | | | | | | | |
| STA 266+05.00 TO STA 270+86.35 | | 484 | | | | | | | | | 475 | | | | | | | | |
| DRIVEWAYS | | | | | | | | | | | | | | | | | | | |
| ELDAMAIN ROAD | | | | | | | | | | | | | | | | | | | |
| STA 443+88 (CE) | | | | | | | | | | | | | | | | | | | |
| STA 469+33 (PE) | | | | | | | | | | | | | | | | | | | 1 |
| STA 469+50 (PE) | | | | | | | | | | | | | | | | | | | 1 |
| STA 472+27 (CE) | | | | | | | | | | | | | | | | | | | 1 |
| STA 474+65 (PE) | | | | | | | | | | | | | | | | | | | 1 |
| STA 491+52 (CE) | | | | | | | | | | | | | | | | | | | 1 |
| RIVER ROAD | | | | | | | | | | | | | | | | | | | |
| STA 602+47 (PE) | | | | | | | | | | | | | | | | | | | 1 |
| STA 603+13.2 (PE) | | | | | | | | | | | | | | | | | | | 1 |
| STA 604+60 (FE) | | | | | | | | | | | | | | | | | | | 1 |
| STA 605+34.2 (PE) | | | | | | | | | | | | | | | | | | | 1 |
| STA 613+26.1 (FE) | | | | | | | | | | | | | 60 | | | | | | 1 |
| STA 615+09.5 (PE) | | | | | | | | | | | | | | | | | | | 1 |
| STA 615+90.7 (PE) | | | | | | | | | | | | | | | | | | | 1 |
| STA 617+42 (PE) | | | | | | | | | | | | | | | | | | | 1 |
| STA 618+30 (PE) | | | | | | | | | | | | | | | | | | | 1 |
| STA 625+22 (PE) | | | | | | | | | | | | | | | | | | | 1 |
| STA 626+77 (PE) | | | | | | | | | | | | | | | | | | | 1 |
| STA 627+55 (FE) | | | | | | | | | | | | | | | | | | | 1 |
| STA 629+84 (PE) | | | | | | | | | | | | | 42 | | | | | | 1 |
| STA 630+97 (PE) | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 721 | | 441 | 2052 | 532 | | | 823 | | 7107 | | 3170 | 102 | 14 | 3 | 3 | 2540 | 4472 | 3 |

HRG PROJECT NO. 8810281
 HRG PROJ. CONTACT: 384_sch06.dgn
 FILE NAME: l_sch2.dwg
 PLOT DRIVER: plot.tbl
 PEN TABLE: plot.tbl



| | | |
|--------------------|----------------|-----------|
| USER NAME = jrosth | DESIGNED - APS | REVISED - |
| DRAWN - RCB | CHECKED - | REVISED - |
| DATE = 5/17/2017 | CHECKED - | REVISED - |
| PLANNED | CHECKED - | REVISED - |
| DESIGNED | CHECKED - | REVISED - |
| CHECKED | CHECKED - | REVISED - |
| BY | CHECKED - | REVISED - |
| DATE | CHECKED - | REVISED - |

KENDALL COUNTY HIGHWAY DEPARTMENT

| | | | |
|--------------------------|-----------|-----------|--------------|
| PAVEMENT SCHEDULE | | | |
| (SHEET 2 OF 2) | | | |
| 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. 26 |
| FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT | | | | |
| CONTRACT NO. 87666 | | | | |

| | |
|----------|------|
| PLAN | DATE |
| BY | |
| SURVEYED | |
| PLOTTED | |
| NOTED | |
| NO. | |

| | |
|----------|------|
| PROFILE | DATE |
| BY | |
| SURVEYED | |
| PLOTTED | |
| NOTED | |
| NO. | |

HRG PROJECT NO.: 883238
 HRG PROJ. CONTACT: JBA, ech07.dgn
 FILE NAME: IL.DOT.DW.DWG
 PLOT DRIVER: plot100a.plt
 PEN TABLE:

| LOCATION | TOPSOIL EXCAVATION (CU YD) | TOPSOIL EXCAVATION ADJUSTED FOR SHRINKAGE (25%) (CU YD) | TOPSOIL PLACEMENT (CU YD) | EARTH EXCAVATION (CU YD) | EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%) (CU YD) | EMBANKMENT (CU YD) | TOPSOIL BALANCE SURPLUS (+) OR SHORTAGE (-) (CU YD) | EARTH BALANCE SURPLUS (+) OR SHORTAGE (-) (CU YD) | REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD) | GEOTECHNICAL FABRIC FOR GROUND STABILIZATION (SQ YD) | AGGREGATE SUBGRADE IMPROVEMENT (CU YD) | ROCK FILL (CU YD) |
|--------------------------------|----------------------------|---|---------------------------|--------------------------|---|--------------------|---|---|---|--|--|-------------------|
| STAGE 1/2 RIVER ROAD | | | | | | | | | | | | |
| STA 602+00.00 TO STA 620+00.00 | 3492 | 2619 | 569 | 5480 | 4110 | 718 | 2050 | 3392 | | | | |
| STA 621+50.00 TO STA 632+14.09 | 1977 | 1483 | 479 | 4089 | 3067 | 566 | 1004 | 2501 | 862 | 1362 | 248 | |
| ELDAMAIN ROAD | | | | | | | | | | | | |
| STA 425+25.00 TO STA 467+19.07 | 13956 | 10467 | 4700 | 32765 | 24574 | 21740 | 5767 | 2834 | 15631 | 7020 | | 13830 |
| STA 467+19.07 TO STA 480+50.00 | 3757 | 2218 | 676 | 2218 | 1664 | 9116 | 1542 | -7452 | 414 | 1429 | 300 | |
| SCHAEFER ROAD | | | | | | | | | | | | |
| STA 92+50.00 TO STA 96+50.00 | 809 | 607 | 185 | 61 | 46 | 2955 | 422 | -2909 | | | | |
| STAGE 1A ELDAMAIN ROAD | | | | | | | | | | | | |
| STA 480+50.00 TO STA 492+74.00 | 3333 | 2500 | 936 | 7000 | 5250 | 3779 | 1564 | 1471 | 2022 | 3320 | 1370 | |
| US ROUTE 34 | | | | | | | | | | | | |
| STA 266+06.00 TO STA 270+30.00 | 471 | 353 | 111 | 294 | 221 | 376 | 242 | -155 | | | | |
| TOTAL | 27795 | 20247 | 7656 | 51907 | 38932 | 39250 | 12591 | -318 | 18929 | 13131 | 1918 | 13830 |

NOTES:

- ALL MATERIAL TO BE UTILIZED AS EMBANKMENT ON THIS PROJECT SHALL CONFORM TO THE APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS INCLUDED IN THIS CONTRACT AT THE TIME OF CONSTRUCTION.
- EXCESS TOPSOIL SHALL BE UTILIZED IN THE EMBANKMENT TO REDUCE THE VOLUME OF FURNISHED EXCAVATION NEEDED, HOWEVER THE USE OF TOPSOIL IN THE EMBANKMENT SHALL BE IN ACCORDANCE WITH NOTE #1 ABOVE. THE EARTHWORK SCHEDULE HAS NOT BEEN ADJUSTED TO ACCOUNT FOR USE OF EXCESS TOPSOIL IN THE EMBANKMENT.

SHRINKAGE FACTORS

TOPSOIL & EARTH EXCAVATION 25%

PAY ITEMS

| | | | |
|----------|--|-------|-------|
| 20200100 | EARTH EXCAVATION | 51907 | CU YD |
| 20201200 | REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL | 18929 | CU YD |
| 20400800 | FURNISHED EXCAVATION | 2000 | CU YD |
| 21001000 | GEOTECHNICAL FABRIC FOR GROUND STABILIZATION | 13131 | SQ YD |
| 21101505 | TOPSOIL EXCAVATION AND PLACEMENT | 27795 | CU YD |
| 30300000 | AGGREGATE SUBGRADE IMPROVEMENT | 1918 | CU YD |
| Z0054400 | ROCK FILL | 13830 | CU YD |

| LOCATION | PIPE UNDERDRAINS | PIPE UNDERDRAINS (SPECIAL) | PIPE UNDERDRAINS TYPE 1 | GEOTECHNICAL FABRIC FOR FRENCH DRAINS | CONCRETE HEADWALL FOR PIPE DRAINS |
|-------------------------------|------------------|----------------------------|-------------------------|---------------------------------------|-----------------------------------|
| | 4" (FOOT) | 4" (FOOT) | 6" (FOOT) | (SQ YD) | (EACH) |
| ELDAMAIN ROAD | | | | | |
| STA 432+00.00 TO 434+00.00 | | | 200 | 35 | |
| STA 434+28.70 TO 438+28.70 LT | 400 | | | | |
| STA 434+28.70 TO 438+28.70 RT | 400 | | | | |
| STA 436+28.70 LT/RT | 50 | 16 | | | 2 |
| STA 444+66.38 TO 445+50.00 | | | 84 | 15 | |
| STA 449+00.00 TO 453+80.00 RT | 480 | | | | |
| STA 453+80.00 RT | | 4 | | | 1 |
| STA 449+90.00 TO 454+50.00 | 460 | | | | |
| STA 454+60.00 TO 459+08.94 LT | 449 | | | | |
| STA 457+08.94 LT | | 19 | | | 1 |
| STA 454+60.00 TO 457+09.00 RT | 249 | | | | |
| STA 457+09.00 TO 461+06.00 RT | 397 | | | | |
| STA 472+00.00 TO 474+50.00 RT | 250 | | | | |
| STA 473+00.00 TO 474+50.00 LT | 150 | | | | |
| STA 482+00.00 LT/RT | 62 | 16 | | | 2 |
| STA 483+88.68 TO 487+88.68 LT | 400 | | | | |
| STA 483+88.68 TO 487+88.68 RT | 400 | | | | |
| STA 485+88.68 LT/RT | 62 | 16 | | | 2 |
| TOTAL | 4209 | 77 | 284 | 50 | 9 |

NOTE:
 SEE PIPE UNDERDRAIN DETAIL FOR PLACEMENT OF PIPE UNDERDRAIN 4" (SPECIAL).
 PIPE UNDERDRAIN (SPECIAL) NOT SHOWN ON THE DRAINAGE PLANS FOR CLARITY.



HRGreen.com
 Illinois Professional Design Firm
 # 184-091322

| | | |
|-----------------------|----------------|-----------|
| USER NAME = jra1bu | DESIGNED - APS | REVISED - |
| | DRAWN - RCB | REVISED - |
| PLOT SCALE = | CHECKED - | REVISED - |
| PLOT DATE = 5/18/2017 | DATE - 5/15/17 | REVISED - |

KENDALL COUNTY HIGHWAY DEPARTMENT

EARTHWORK SCHEDULE / UNDERDRAINS SCHEDULE

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

| | | | | |
|---------------------|----------------------------|---------------------------|------------------|--------------|
| F.A.I. RTE. 4000 | SECTION NO. 16-00136-00-RP | COUNTY KENDALL | TOTAL SHEETS 237 | SHEET NO. 27 |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |

CONTRACT NO. 87666

| | |
|------------|------|
| PLAN | DATE |
| BY | |
| REVIEWED | |
| ALIGNED | |
| CHECKED | |
| RT. OF WAY | |
| CHECKED | |
| NO. | |

| | |
|----------|------|
| PROFILE | DATE |
| BY | |
| REVIEWED | |
| PLOTTED | |
| CHECKED | |
| NO. | |

HRG PROJECT NO: 883028
 HRG PROJECT CONTACT: VNA.ec@hr.com
 FILE NAME: 16-00136-00-00
 PLOT DRIVER: 16-00136-00-00
 PEN TABLE: 16-00136-00-00

| LOCATION | STANDARD NUMBER (NEW) DESCRIPTION (EXISTING) | SIGN PANEL TYPE 1 (SQ FT) | SIGN PANEL TYPE 2 (SQ FT) | OBJECT MARKER TYPE 4 (EACH) | WOOD SIGN SUPPORT (FOOT) | SIGN PLACEMENT | |
|-------------------------------|---|---------------------------------|---------------------------------|-----------------------------------|--------------------------------|-------------------------------------|----------------------------|
| | | | | | | HEIGHT ABOVE EDGE OF PAVEMENT | CENTERLINE / PGL OFFSET |
| ELDAMAIN ROAD | | | | | | | |
| STA 425+70 LT | OM-1-1818 | | | 1 | 16.6 | 7.0 | |
| STA 425+70 RT | R11-1100-4830 ** | | 10.00 | | 17.0 | 7.0 | 6.0 |
| STA 425+70 RT | OM-1-1818 | | | 1 | 16.6 | 7.0 | |
| STA 428+53 LT | R1-1-3636 | 7.50 | | | 19.0 | 7.0 | 40.0 |
| STA 428+53 LT | W4-1100-3018 | 3.75 | | | | 5.5 | 40.0 |
| STA 430+00 RT | R2-1-3036 | 7.50 | | | 17.0 | 7.0 | 35.0 |
| STA 430+68 LT | R12-1-2430 * | 5.00 | | | 17.0 | 7.0 | 47.0 |
| STA 430+68 LT | W16-8P-3012 * | 2.50 | | | | 6.0 | 47.0 |
| STA 430+75 RT | R4-7-2430 | 5.00 | | | 15.0 | 7.0 | 5.3 |
| STA 432+88 LT | R3-8-3030 | 6.25 | | | 17.0 | 7.0 | 35.0 |
| STA 436+00 LT | W3-3-3030 * | 6.25 | | | 18.0 | 7.0 | 35.0 |
| STA 436+00 LT | W16-8P-3012 * | 2.50 | | | | 6.0 | 35.0 |
| STA 443+50 LT | R4-7-2430 | 5.00 | | | 15.0 | 7.0 | 5.5 |
| STA 444+30 LT | R4-7-2430 | 5.00 | | | 15.0 | 7.0 | 0.0 |
| STA 444+45 RT | R3-8-3030 | 6.25 | | | 17.5 | 7.0 | 35.0 |
| STA 445+45 RT | W2-2-3030 * | 6.25 | | | 18.5 | 7.0 | 35.0 |
| STA 445+45 RT | W16-8P-3612 * | 3.00 | | | | 6.0 | 35.0 |
| STA 448+00 LT | R2-1-3036 | 7.50 | | | 17.5 | 7.0 | 35.0 |
| STA 448+70 LT | R4-7-2430 | 5.00 | | | 15.0 | 7.0 | 5.5 |
| STA 449+95 LT | R4-7-2430 | 5.00 | | | 15.0 | 7.0 | 0.0 |
| STA 451+00 RT | R2-1-3036 | 7.50 | | | 18.0 | 7.0 | 35.0 |
| STA 455+00 LT | W2-2-3030 * | 6.25 | | | 18.0 | 7.0 | 35.0 |
| STA 455+00 LT | W16-8P-3612 * | 3.00 | | | | 6.0 | 35.0 |
| STA 466+95 LT | R4-7-2430 | 5.00 | | | 15.0 | 7.0 | 0.0 |
| STA 476+17 RT | R3-8-3030 | 6.25 | | | 17.0 | 7.0 | 35.0 |
| STA 478+70 RT | W11-2-3636 * | 9.00 | | | 18.7 | 7.0 | 35.0 |
| STA 478+70 RT | W16-9P-2412 * | 2.00 | | | | 6.0 | 35.0 |
| STA 479+00 LT | R2-1-3036 | 7.50 | | | 17.5 | 7.0 | 35.0 |
| STA 481+70 LT | W11-2-3636 * | 9.00 | | | 18.7 | 7.0 | 44.0 |
| STA 481+70 LT | W16-7PL-2412 * | 2.00 | | | | 6.0 | 44.0 |
| STA 481+70 RT | W11-2-3636 * | 9.00 | | | 18.7 | 7.0 | 46.0 |
| STA 481+70 RT | W16-7PL-2412 * | 2.00 | | | | 6.0 | 46.0 |
| STA 483+00 RT | R2-1-3036 | 7.50 | | | 17.5 | 7.0 | 35.0 |
| STA 484+70 LT | W11-2-3636 * | 9.00 | | | 18.7 | 7.0 | 35.0 |
| STA 484+70 LT | W16-9P-2412 * | 2.00 | | | | 6.0 | 35.0 |
| STA 485+00 RT | W3-3-3030 * | 6.25 | | | 18.0 | 7.0 | 35.0 |
| STA 485+00 RT | W16-8P-3612 * | 3.00 | | | | 6.0 | 35.0 |
| STA 486+05 LT | R3-8-3030 | 6.25 | | | 17.0 | 7.0 | 35.0 |
| STA 488+25 RT | R3-8b-3630 | 7.50 | | | 17.0 | 7.0 | 35.0 |
| STA 491+00 LT | R2-1-3036 | 7.50 | | | 17.5 | 7.0 | 35.0 |
| RIVER ROAD | | | | | | | |
| STA 612+00 RT | W11-25-3030 | 6.25 | | | 16.5 | 7.0 | 26.0 |
| STA 612+65 RT | W3-3-3030 * | 6.25 | | | 16.5 | 7.0 | 26.0 |
| STA 612+65 RT | W16-8P-3612 * | 3.00 | | | | 6.0 | 26.0 |
| STA 615+45 RT | R3-8-3030 | 6.25 | | | 15.5 | 7.0 | 31.6 |
| STA 617+00 LT | NO LITTERING 3030 | 6.25 | | | 15.5 | 7.0 | 32.0 |
| STA 618+00 LT | R2-1-3036 | 7.50 | | | 17.5 | 7.0 | 32.0 |
| STA 623+00 RT | R2-1-3036 | 7.50 | | | 17.5 | 7.0 | 32.0 |
| STA 625+84 LT | R3-8-3030 | 6.25 | | | 17.0 | 7.0 | 32.0 |
| STA 628+84 LT | W3-3-3030 * | 6.25 | | | 18.0 | 7.0 | 26.0 |
| STA 628+84 LT | W16-8P-3612 * | 3.00 | | | | 6.0 | 26.0 |
| SCHAEFER ROAD | | | | | | | |
| STA 95+00 LT | R2-1-3036 | 7.50 | | | 18.0 | 7.0 | 26.0 |
| STA 96+58 RT | R1-1-3636 * | 9.00 | | | 18.0 | 7.0 | 34.3 |
| STA 96+58 RT | W4-1100-3018 * | 3.75 | | | | 5.5 | 34.3 |
| AT ELDAMAIN ROAD INTERSECTION | W1-7-4824 ** | 8.00 | | | 17.0 | 7.0 | 0.0 |
| CUMMINS STREET | | | | | | | |
| STA 159+38 RT | R1-1-3636 * | 9.00 | | | 16.0 | 7.0 | 47.8 |
| STA 159+38 RT | W4-1100-3018 * | 3.75 | | | | 5.5 | 47.8 |
| RENA LANE | | | | | | | |
| STA 170+61 LT | R1-1-3636 * | 9.00 | | | 16.0 | 7.0 | 41.6 |
| STA 170+61 LT | W4-1100-3018 * | 3.75 | | | | 5.5 | 41.6 |
| TOTAL | | 319.00 | 10.00 | 2 | 733.0 | | |

* PROPOSED SIGN SHARES SAME POST.
 ** PROPOSED SIGN REQUIRES TWO POSTS.

NOTES:
 1. ALL EXISTING SIGNS SHALL BE REMOVED UNLESS OTHERWISE NOTED ON THE PLANS.
 2. ALL EXISTING SIGNS TO BE RELOCATED AND ALL PROPOSED SIGNS SHALL BE MOUNTED ON NEW 4"x6" TREATED LUMBER.



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

KENDALL COUNTY HIGHWAY DEPARTMENT

SIGN SCHEDULE

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 | 28 |
| FED. ROAD DIST. NO. | | | ILLINOIS FED. AID PROJECT | |
| | | | CONTRACT NO. 87666 | |

DATE: _____ BY: _____
 SURVEYED: _____ CHECKED: _____
 ALIGNED: _____ CHECKED: _____
 RT. OF WAY CHECKED: _____
 PLOT FILE NAME: _____

DATE: _____ BY: _____
 PROFILE: _____
 GRADES CHECKED: _____
 STRUCTURE NOTATIONS OK'D: _____
 NO. _____

HRG PROJECT NO.: 080228
 HRG PROJECT CONTACT: BIL SCHUBERT
 FILE NAME: 16-00136-00-01
 PLOT DRIVER: PLPLOTCH240.PLOT
 PEN TABLE: PLOT0606.tbl

| LOCATION | PAVEMENT MARKING REMOVAL WATER BLASTING (SQ FT) | LETTERS AND SYMBOLS (SQ FT) | MODIFIED URETHANE PAVEMENT MARKING - (PCC & HMA PAVEMENT SURFACE) | | | | | | | | | | RAISED REFLECTIVE PAVEMENT MARKER (EACH) |
|--------------------------------|---|-----------------------------|---|-----------------------|--------------|------------------------------|------------------------------|--------------------|-------------------------|------------------------|------------|-----------------------|--|
| | | | LINE - 4" | | LINE - 6" | LINE - 8" | | LINE - 12" | | LINE - 24" | | | |
| | | | MEDIAN LINE SOLID YELLOW (FOOT) | EDGE LINE SOLID WHITE | | CROSSWALK SOLID WHITE (FOOT) | LANE LINE | | DIAGONALS YELLOW (FOOT) | DIAGONALS WHITE (FOOT) | | STOP BAR WHITE (FOOT) | |
| | | | | LEFT (FOOT) | RIGHT (FOOT) | | 6'-2" SKIP-DASH WHITE (FOOT) | SOLID WHITE (FOOT) | | | | | |
| ELDAMAIN ROAD | | | | | | | | | | | | | |
| STA 425+71.00 TO STA 449+32.10 | | 187.2 | 4869 | 2643 | 2587 | | 164 | 645 | 210 | | 25 | 35 | |
| STA 449+32.10 TO STA 467+19.07 | | | 3545 | 1846 | 1807 | | | | 23 | | | 2 | |
| STA 467+19.07 TO STA 468+39.59 | | | 483 | 121 | 121 | | | | 91 | | | | |
| STA 468+39.59 TO STA 481+12.00 | | 46.8 | 4860 | 1288 | 1250 | | 54 | 215 | 724 | | | 66 | |
| STA 481+12.00 TO STA 492+75.00 | 36 | 140.4 | 4381 | 1125 | 1117 | 385 | 164 | 645 | 458 | | 51 | 74 | |
| RIVER ROAD | | | | | | | | | | | | | |
| STA 602+14.43 TO STA 620+44.97 | | 46.8 | 4492 | 1687 | 1875 | | 55 | 215 | 103 | 189 | 24 | 96 | |
| STA 621+13.71 TO STA 632+14.09 | | 46.8 | 3531 | 1040 | 1138 | | 55 | 215 | 262 | | 34 | 60 | |
| SCHAEFFER ROAD | | | | | | | | | | | | | |
| STA 92+50.00 TO STA 96+85.82 | | | 850 | | | | | | | | 29 | | |
| CUMMINS STREET | | | | | | | | | | | | | |
| STA 159+10.00 TO STA 159+71.00 | | | | | | 185 | | | | | 33 | | |
| RENA LANE | | | | | | | | | | | | | |
| STA 170+29.00 TO STA 171+00.00 | | | | | | 155 | | | | | 26 | | |
| US ROUTE 34 | | | | | | | | | | | | | |
| STA 266+05.00 TO STA 270+86.35 | 105 | | | | 232 | 218 | | 390 | | 183 | 47 | | |
| STA 271+62.11 TO STA 274+30.58 | 52 | | | | | | | | | | | | |
| TOTAL | 193 | 468.0 | 46888 | | | 943 | 2817 | | 2243 | | 269 | 333 | |

| LOCATION | STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS (FOOT) | TRAFFIC BARRIER TERMINAL | | | | TERMINAL MARKER DIRECT APPLIED (EACH) | GUARDRAIL REFLECTORS TYPE A (EACH) | BARRIER WALL REFLECTORS TYPE B (EACH) |
|----------------------|---|--------------------------|---------------|--------------------------------|-------------------------------|---------------------------------------|------------------------------------|---------------------------------------|
| | | TYPE 2 (EACH) | TYPE 6 (EACH) | TYPE 1, SPECIAL TANGENT (EACH) | TYPE 1, SPECIAL FLARED (EACH) | | | |
| | | | | | | | | |
| ELDAMAIN ROAD | | | | | | | | |
| STA 425+70.00 | 62.5 | | | | | | | |
| ROB ROY CREEK | | | | | | | | |
| NORTHBOUND | 175.0 | 1 | 2 | 1 | | 2 | 5 | 2 |
| SOUTHBOUND | 12.5 | 1 | 2 | | 1 | 2 | 3 | 2 |
| TOTAL | 250.0 | 2 | 4 | 1 | 1 | 4 | 8 | 4 |

| LOCATION | SHORT TERM PAVEMENT MARKING (FOOT) | TEMPORARY PAVEMENT MARKING | | | | | PAVEMENT MARKING TAPE, TYPE III | | | | | TEMPORARY PAVEMENT MARKING REMOVAL | | | | | |
|---|------------------------------------|---------------------------------|-----------------------|--------------|------------|------------|---------------------------------|------------------------------|--------------------|---------------------|--------------------------------|------------------------------------|-----------------------|---------------|------------|------------|--|
| | | LINE - 4" | | LINE - 8" | LINE - 12" | LINE - 24" | LINE - 4" | | LINE - 8" | | LINE - 12" | LINE - 4" | | LINE - 8" | LINE - 12" | LINE - 24" | |
| | | MEDIAN CENTERLINE YELLOW (FOOT) | EDGE LINE SOLID WHITE | | | | MEDIAN CENTERLINE YELLOW (FOOT) | EDGE LINE SOLID WHITE (FOOT) | SOLID WHITE (FOOT) | DASHED WHITE (FOOT) | MEDIAN DIAGONALS YELLOW (FOOT) | MEDIAN CENTERLINE YELLOW (SQ FT) | EDGE LINE SOLID WHITE | | | | |
| | | | LEFT (FOOT) | RIGHT (FOOT) | | | | | | | | | LEFT (SQ FT) | RIGHT (SQ FT) | | | |
| ELDAMAIN - NORTH OF US 34 | | | | | | | | | | | | | | | | | |
| STA. 496+94.45 TO 496+90.78 | | | | | | | 166 | | | | | | | | | | |
| STA. 497+74.52 TO 499+04.31 | | | | | | | | 33 | | | | | | | | | |
| RIVER ROAD - WEST TERMINUS TO ELDAMAIN | | | | | | | | | | | | | | | | | |
| STA. 602+00 TO STA. 621+44.55 | 595 | 3893 | 1948 | 1948 | | | | | | | 1298 | 649 | 649 | | | | |
| RIVER ROAD - ELDAMAIN TO EAST TERMINUS | | | | | | | | | | | | | | | | | |
| STA. 621+44.55 TO STA. 632+14.09 | 330 | 2141 | 1073 | 1072 | | | | | | | 714 | 358 | 357 | | | | |
| US 34 - WEST TERMINUS TO ELDAMAIN | | | | | | | | | | | | | | | | | |
| STA. 259+00 TO STA. 271+00 | | | | 1202 | | | | 1202 | | | | | | | | | |
| US 34 - ELDAMAIN TO EAST TERMINUS | | | | | | | | | | | | | | | | | |
| STA. 271+00 TO 273+01.13 | | | | | | | | | | | | | | | | | |
| STA. 271+69.92 TO 274+30.58 | | 758 | | 202 | | | 655 | 302 | | | 129 | | | | | | |
| CONTINGENCY | | | | | | | | | | | | | | | | | |
| | | | | | 200 | 200 | 100 | | | | | 720 | | 133 | 200 | 200 | |
| TOTAL | 925 | 14338 | | | 200 | 200 | 100 | 2159 | 199 | 129 | 4745 | 133 | 200 | 200 | | | |



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

KENDALL COUNTY HIGHWAY DEPARTMENT

| | | | |
|---|---------------------|--------------|--|
| PAVEMENT MARKING SCHEDULE / GUARDRAIL SCHEDULE / TEMPORARY PAVEMENT MARKING SCHEDULE | | | |
| 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. 29 |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT CONTRACT NO. 87666 | | |

ELDAMAIN ROAD

| DESCRIPTION | STATION | NORTHING | EASTING |
|-------------------------|-----------------------|--------------|------------|
| POT | 425+71.00 | 1,812,659.40 | 942,172.16 |
| POT (CL RIVER ROAD) | 427+73.00 (620+78.34) | 1,812,861.20 | 942,163.08 |
| POT (CL SCHAEFER ROAD) | 449+32.10 (97+14.82) | 1,815,018.11 | 942,066.00 |
| PC | 450+40.21 | 1,815,126.11 | 942,061.14 |
| PT | 453+48.50 | 1,815,430.46 | 942,099.79 |
| PC | 455+71.06 | 1,815,643.23 | 942,165.04 |
| PT | 460+41.95 | 1,816,108.48 | 942,181.78 |
| PC | 463+85.19 | 1,816,443.01 | 942,104.98 |
| PT | 472+16.24 | 1,817,266.42 | 942,004.22 |
| POT (CL CUMMINS STREET) | 481+12.00 (160+00.00) | 1,818,162.04 | 941,988.20 |
| POT (CL RENA LANE) | 481+13.50 (170+00.00) | 1,818,163.54 | 941,988.17 |
| POT (CL ROUTE 34) | 493+44.23 (271+04.65) | 1,819,394.08 | 941,966.16 |
| POT | 503+00.00 | 1,820,349.69 | 941,949.07 |

RIVER ROAD

| DESCRIPTION | STATION | NORTHING | EASTING |
|------------------------|-----------------------|--------------|------------|
| POT | 600+00.00 | 1,812,318.85 | 940,158.12 |
| PC | 602+14.43 | 1,812,368.37 | 940,366.76 |
| PRC | 609+78.86 | 1,812,579.46 | 941,101.17 |
| POC (CL ELDAMAIN ROAD) | 620+78.34 (427+73.00) | 1,812,861.20 | 942,163.08 |
| PRC | 628+40.56 | 1,812,971.44 | 942,917.00 |
| PT | 632+14.09 | 1,813,016.66 | 943,287.75 |
| POT | 634+69.90 | 1,813,053.43 | 943,540.90 |

SCHAEFER ROAD

| DESCRIPTION | STATION | NORTHING | EASTING |
|-----------------------|----------------------|--------------|------------|
| POT | 90+00.00 | 1,814,982.99 | 941,352.04 |
| PI (CL ELDAMAIN ROAD) | 97+14.82 (449+32.10) | 1,815,018.11 | 942,066.00 |

CUMMINS STREET

| DESCRIPTION | STATION | NORTHING | EASTING |
|-----------------------|-----------------------|--------------|------------|
| POT | 158+50.00 | 1,818,159.36 | 941,838.22 |
| PI (CL ELDAMAIN ROAD) | 160+00.00 (481+12.00) | 1,818,162.04 | 941,988.20 |

RENA LANE

| DESCRIPTION | STATION | NORTHING | EASTING |
|-----------------------|-----------------------|--------------|------------|
| PI (CL ELDAMAIN ROAD) | 170+00.00 (481+13.50) | 1,818,163.54 | 941,988.17 |
| POT | 172+00.00 | 1,818,167.12 | 942,188.14 |

US ROUTE 34

| DESCRIPTION | STATION | NORTHING | EASTING |
|-----------------------|-----------------------|--------------|------------|
| POT | 260+00.00 | 1,819,477.14 | 940,864.63 |
| POT | 271+04.32 | 1,819,394.10 | 941,965.83 |
| PI (CL ELDAMAIN ROAD) | 271+04.65 (493+44.23) | 1,819,394.08 | 941,966.16 |
| PC | 277+42.06 | 1,819,346.15 | 942,601.76 |
| PT | 287+19.84 | 1,819,260.16 | 943,575.72 |
| POT | 290+00.00 | 1,819,231.95 | 943,854.46 |

BENCHMARKS

BRASS MARKER ON TOP OF SOUTHEAST ABUTMENT ON SCHAEFER ROAD BRIDGE, 500' WEST OF ELDAMAIN ROAD.
ELEVATION: 617.23 (NAVD88)

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

| | | |
|---------------|-----------|------|
| PROFILE | SURVEYED | DATE |
| NOTE BOOK NO. | PLOTTED | BY |
| | CHECKED | |
| | BY | |
| | FILE NAME | |

HRG PROJECT NO. 882038
HRG PROJECT CONTACT: WEA, CATHOLIGN
FILE NUMBER: 16-00136-00-RP
PEN TABLE: 8/15/2017



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

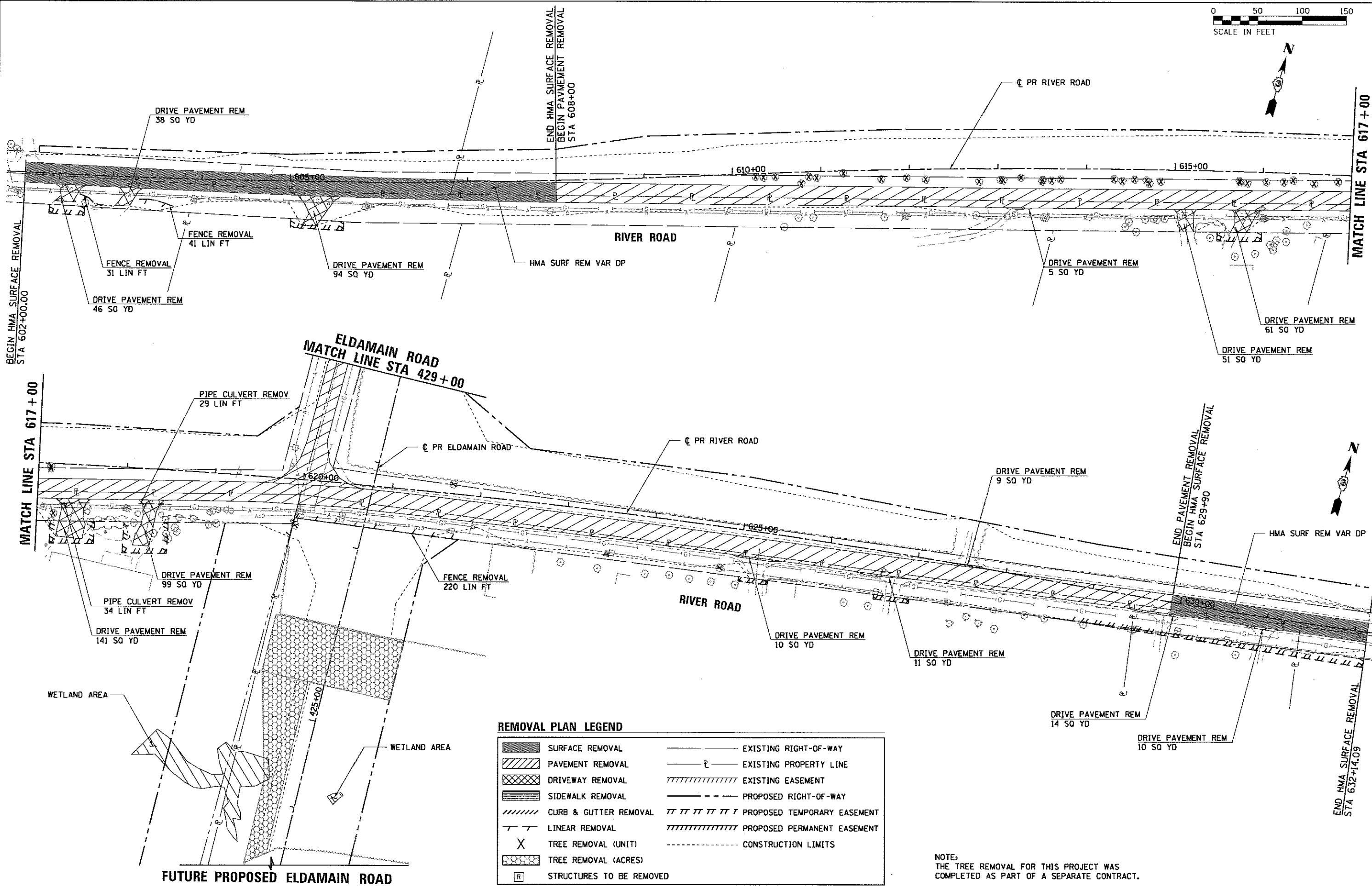
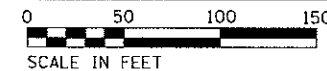
KENDALL COUNTY HIGHWAY DEPARTMENT

ALIGNMENT AND BENCHMARKS

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 | 30 |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |

CONTRACT NO. 87666



| | |
|-------------|------|
| PLAN | DATE |
| BY | |
| REVISIONS | |
| NO. | |
| DATE | |
| DESCRIPTION | |
| BY | |
| DATE | |
| DESCRIPTION | |

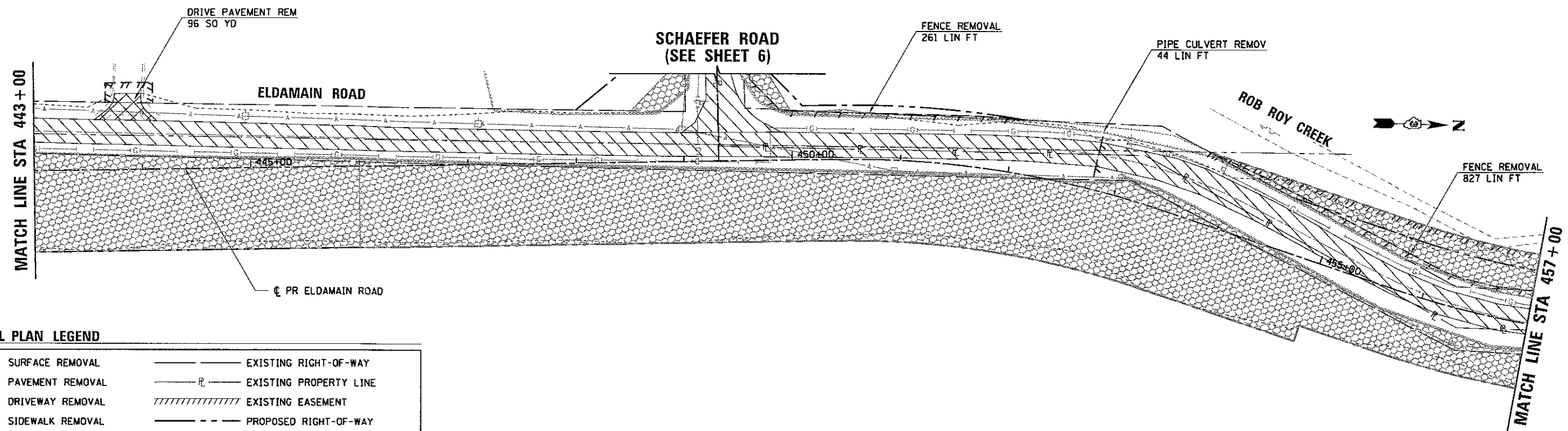
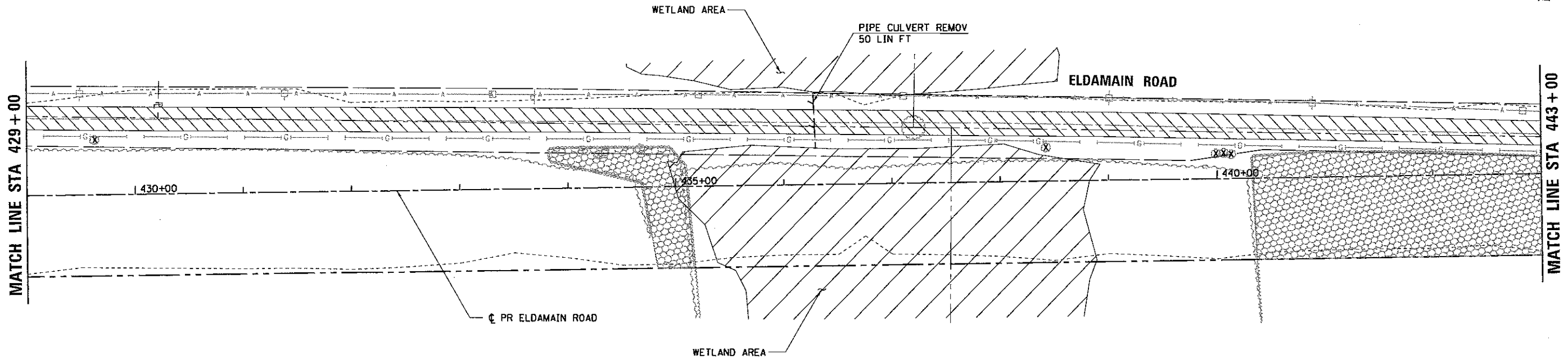
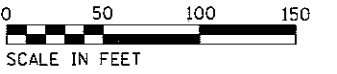
| | |
|-------------|------|
| PROFILE | DATE |
| BY | |
| REVISIONS | |
| NO. | |
| DATE | |
| DESCRIPTION | |
| BY | |
| DATE | |
| DESCRIPTION | |

HRG PROJECT NO. 680203R
 HRG PROJ. CONTACT: JBA, rem@hrfg.com
 FILE NAME: 16-00136-00-RP
 PLOT DRIVER: e:\proj\dwg\p1c1g
 PEN TABLE: p1c1g.tbl

| | | | |
|--|--------------------------|--|-----------------------------|
| | SURFACE REMOVAL | | EXISTING RIGHT-OF-WAY |
| | PAVEMENT REMOVAL | | EXISTING PROPERTY LINE |
| | DRIVEWAY REMOVAL | | EXISTING EASEMENT |
| | SIDEWALK REMOVAL | | PROPOSED RIGHT-OF-WAY |
| | CURB & GUTTER REMOVAL | | PROPOSED TEMPORARY EASEMENT |
| | LINEAR REMOVAL | | PROPOSED PERMANENT EASEMENT |
| | TREE REMOVAL (UNIT) | | CONSTRUCTION LIMITS |
| | TREE REMOVAL (ACRES) | | |
| | STRUCTURES TO BE REMOVED | | |

NOTE:
 THE TREE REMOVAL FOR THIS PROJECT WAS
 COMPLETED AS PART OF A SEPARATE CONTRACT.

| | | | | | | | | |
|---|--|--|--|---|--|--|--|--|
| HRGreen.com Illinois Professional Design Firm #184-001322 | USER NAME = rbest DESIGNED - APS DRAWN - RCB CHECKED - PLOT DATE = 5/15/2017 | REVISED - REVISED - REVISED - REVISED - | KENDALL COUNTY HIGHWAY DEPARTMENT | REMOVAL PLAN (SHEET 1 OF 4) | | | | F.A.U. RTE. 4000 SECTION NO. 16-00136-00-RP COUNTY KENDALL TOTAL SHEETS 237 SHEET NO. 31 |
| | | SCALE: SHEET NO. OF SHEETS STA. TO STA. | | CONTRACT NO. 87666 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |



REMOVAL PLAN LEGEND

| | | | |
|--|--------------------------|--|-----------------------------|
| | SURFACE REMOVAL | | EXISTING RIGHT-OF-WAY |
| | PAVEMENT REMOVAL | | EXISTING PROPERTY LINE |
| | DRIVEWAY REMOVAL | | EXISTING EASEMENT |
| | SIDEWALK REMOVAL | | PROPOSED RIGHT-OF-WAY |
| | CURB & GUTTER REMOVAL | | PROPOSED TEMPORARY EASEMENT |
| | LINEAR REMOVAL | | PROPOSED PERMANENT EASEMENT |
| | TREE REMOVAL (UNIT) | | CONSTRUCTION LIMITS |
| | TREE REMOVAL (ACRES) | | |
| | STRUCTURES TO BE REMOVED | | |

NOTE:
THE TREE REMOVAL FOR THIS PROJECT WAS COMPLETED AS PART OF A SEPARATE CONTRACT.

PLAN

| | | |
|--------------------|----|------|
| SURVEYED | BY | DATE |
| PLANNED | | |
| DESIGNED | | |
| CHECKED | | |
| RT. OF WAY CHECKED | | |
| NO. _____ | | |
| NOTE BOOK | | |
| NO. _____ | | |
| CADD FILE NAME | | |

PROFILE

| | | |
|--------------------|----|------|
| SURVEYED | BY | DATE |
| PLANNED | | |
| DESIGNED | | |
| CHECKED | | |
| RT. OF WAY CHECKED | | |
| NO. _____ | | |
| NOTE BOOK | | |
| NO. _____ | | |
| CADD FILE NAME | | |

HRG PROJECT NO. 1 8820321
 HRG PROJ. CONTACT: 38A-Fem02.dgn
 FILE NAME: 16-perf_bwp/16c1c1g
 PLOT DRIVER: 16-perf_bwp/16c1c1g
 PEN TABLE: 16-perf_bwp/16c1c1g



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

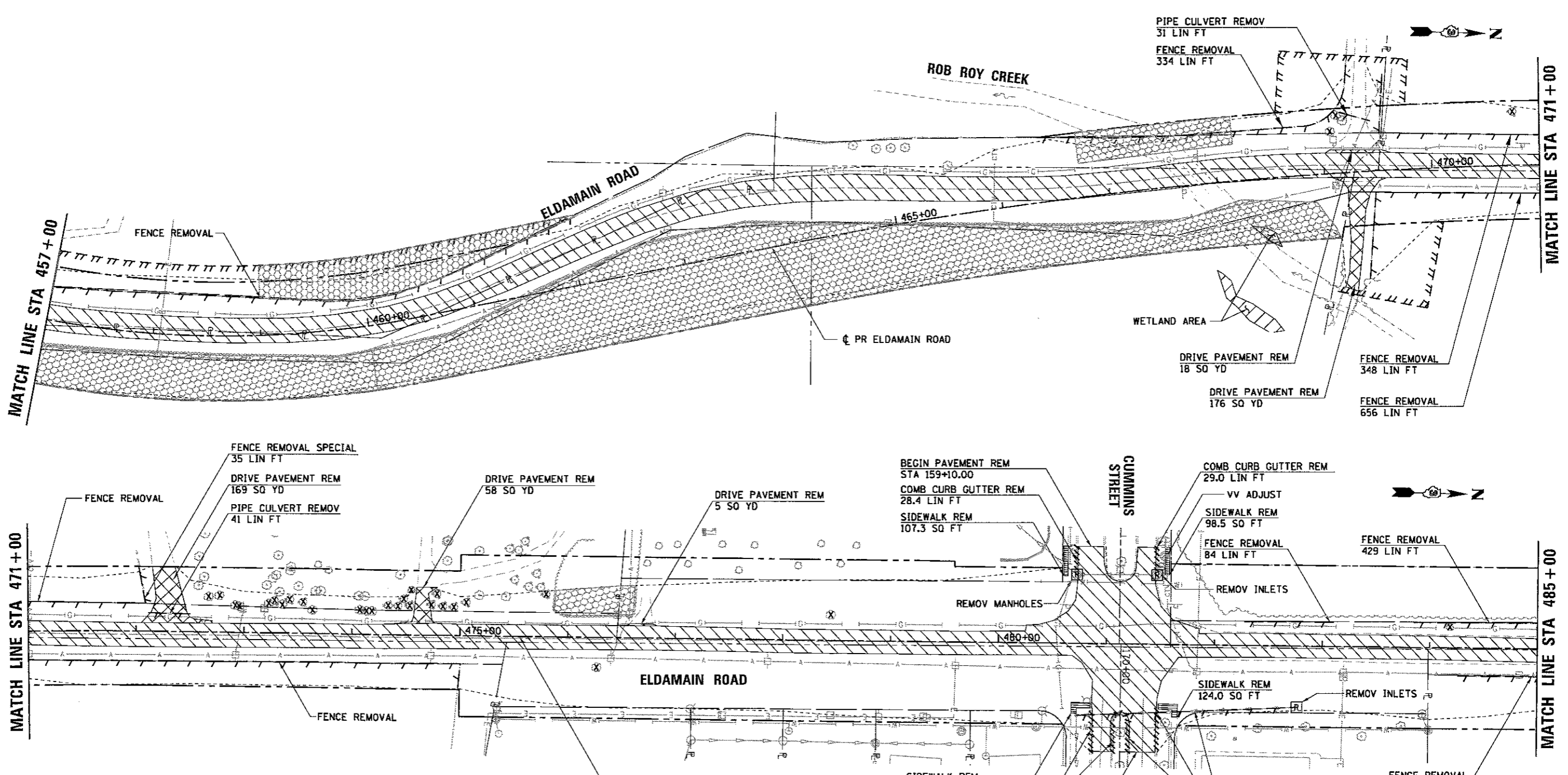
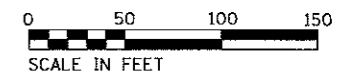
| | |
|----------------|-----------|
| DESIGNED - APS | REVISED - |
| DRAWN - RCB | REVISED - |
| CHECKED - | REVISED - |
| DATE - 5/15/17 | REVISED - |

KENDALL COUNTY HIGHWAY DEPARTMENT

**REMOVAL PLAN
(SHEET 2 OF 4)**

| | | | | |
|--------|-----------|-----------|------|---------|
| 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 | 32 |
| CONTRACT NO. 87666 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |



| | | |
|------|--------------------|------|
| PLAN | SURVEYED | DATE |
| | PLOTTED | |
| | NOTED | |
| | CHECKED | |
| | RT. OF WAY CHECKED | |
| | NO. OF MAY CHECKED | |
| | CADD FILE NAME | |
| | NO. | |

| | | |
|---------|--------------------|------|
| PROFILE | SURVEYED | DATE |
| | PLOTTED | |
| | NOTED | |
| | CHECKED | |
| | RT. OF WAY CHECKED | |
| | NO. OF MAY CHECKED | |
| | CADD FILE NAME | |
| | NO. | |

REMOVAL PLAN LEGEND

| | | | |
|--|--------------------------|--|-----------------------------|
| | SURFACE REMOVAL | | EXISTING RIGHT-OF-WAY |
| | PAVEMENT REMOVAL | | EXISTING PROPERTY LINE |
| | DRIVEWAY REMOVAL | | EXISTING EASEMENT |
| | SIDEWALK REMOVAL | | PROPOSED RIGHT-OF-WAY |
| | CURB & GUTTER REMOVAL | | PROPOSED TEMPORARY EASEMENT |
| | LINEAR REMOVAL | | PROPOSED PERMANENT EASEMENT |
| | TREE REMOVAL (UNIT) | | CONSTRUCTION LIMITS |
| | TREE REMOVAL (ACRES) | | |
| | STRUCTURES TO BE REMOVED | | |

NOTE:
THE TREE REMOVAL FOR THIS PROJECT WAS COMPLETED AS PART OF A SEPARATE CONTRACT.

HRG PROJECT NO. 881923B
HRG PROJ. CONTACT: JSM...
FILE NAME: A...
PLOT DRIVER: P...
PEN TABLE: P...



| | | |
|-----------------------|----------------|-------------|
| USER NAME = jrotbu | DESIGNED - APS | REVISIONS - |
| PLOT SCALE = | DRAWN - RCB | REVISIONS - |
| PLOT DATE = 5/17/2017 | CHECKED - | REVISIONS - |
| | DATE - 5/15/17 | REVISIONS - |

KENDALL COUNTY HIGHWAY DEPARTMENT

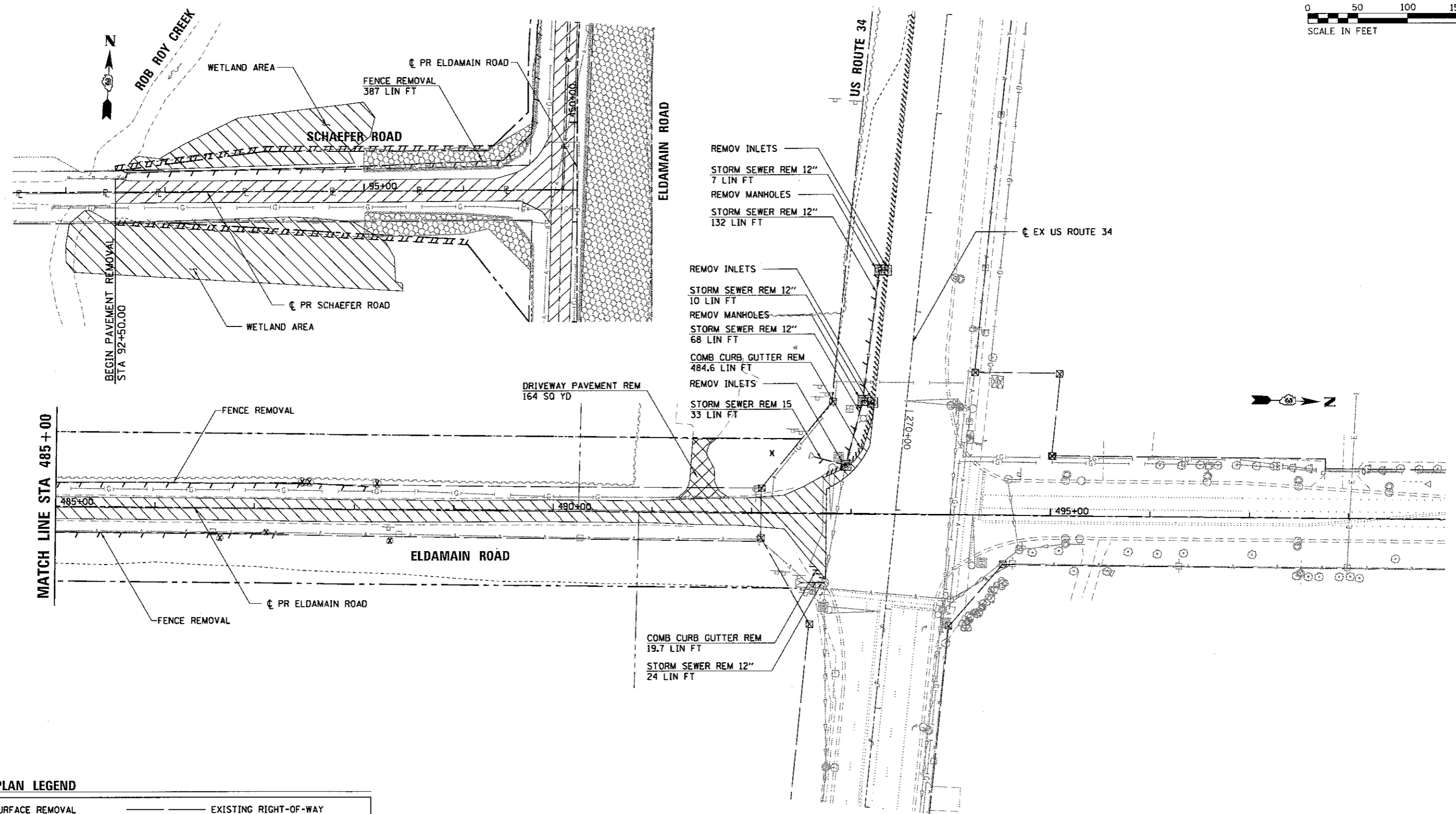
| | | | |
|----------------|---------------------|--------------|--|
| REMOVAL PLAN | | | |
| (SHEET 3 OF 4) | | | |
| SCALE: | SHEET NO. OF SHEETS | STA. TO STA. | |

| | | | | |
|--|----------------------------|----------------|------------------|--------------|
| F.A.U. RTE. 4000 | SECTION NO. 16-00136-00-RP | COUNTY KENDALL | TOTAL SHEETS 237 | SHEET NO. 33 |
| FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT CONTRACT NO. 87666 | | | | |



| | |
|---------|------|
| PLAN | DATE |
| BY | |
| CHECKED | |
| DATE | |
| NO. | |

| | |
|---------|------|
| PROFILE | DATE |
| BY | |
| CHECKED | |
| DATE | |
| NO. | |



REMOVAL PLAN LEGEND

| | | | |
|--|--------------------------|--|-----------------------------|
| | SURFACE REMOVAL | | EXISTING RIGHT-OF-WAY |
| | PAVEMENT REMOVAL | | EXISTING PROPERTY LINE |
| | DRIVEWAY REMOVAL | | EXISTING EASEMENT |
| | SIDEWALK REMOVAL | | PROPOSED RIGHT-OF-WAY |
| | CURB & GUTTER REMOVAL | | PROPOSED TEMPORARY EASEMENT |
| | LINEAR REMOVAL | | PROPOSED PERMANENT EASEMENT |
| | TREE REMOVAL (UNIT) | | CONSTRUCTION LIMITS |
| | TREE REMOVAL (ACRES) | | |
| | STRUCTURES TO BE REMOVED | | |

NOTE:
THE TREE REMOVAL FOR THIS PROJECT WAS COMPLETED AS PART OF A SEPARATE CONTRACT.

HRG PROJECT NO.: BR3703B
 HRG PROJ. CONTACT: 289A-FRMD.dgn
 FILE NAME: I_Pdr.dwg
 PLOT DRIVER: I_Pdr.dwg
 PEN TABLE: plot.tbl



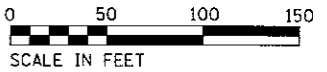
| |
|-------------------|
| USER NAME = rbest |
| DESIGNED - APS |
| DRAWN - RCB |
| CHECKED - |
| DATE - 5/15/17 |
| REVISIONS |
| REVISED - |
| REVISED - |
| REVISED - |

KENDALL COUNTY HIGHWAY DEPARTMENT

**REMOVAL PLAN
(SHEET 4 OF 4)**

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

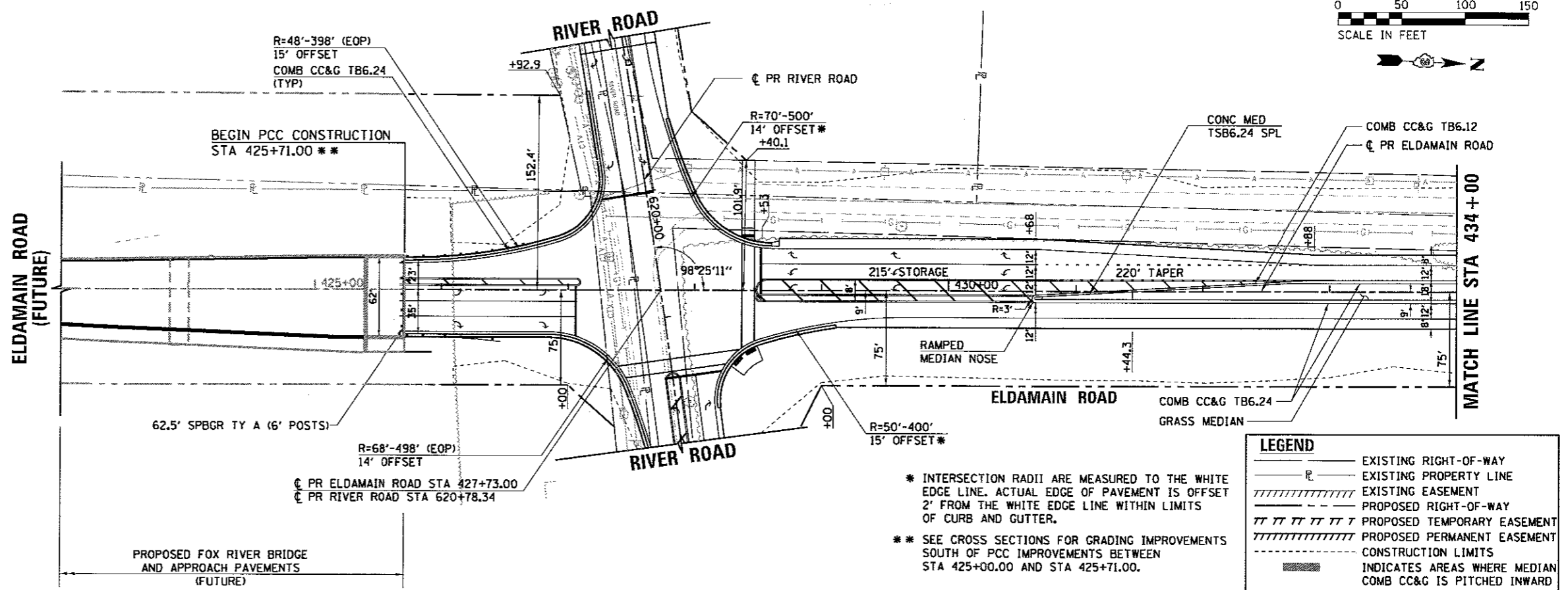
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|---|----------------------------|----------------|------------------|--------------|
| F.A.U. RTE. 4000 | SECTION NO. 16-00136-00-RP | COUNTY KENDALL | TOTAL SHEETS 237 | SHEET NO. 34 |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |
| CONTRACT NO. 87666 | | | | |



| | | |
|--------------------|----|------|
| PLAN | BY | DATE |
| SUPERVISED | | |
| NOTE BOOK | | |
| NO. | | |
| PT. OF WAY CHECKED | | |
| DATE | | |

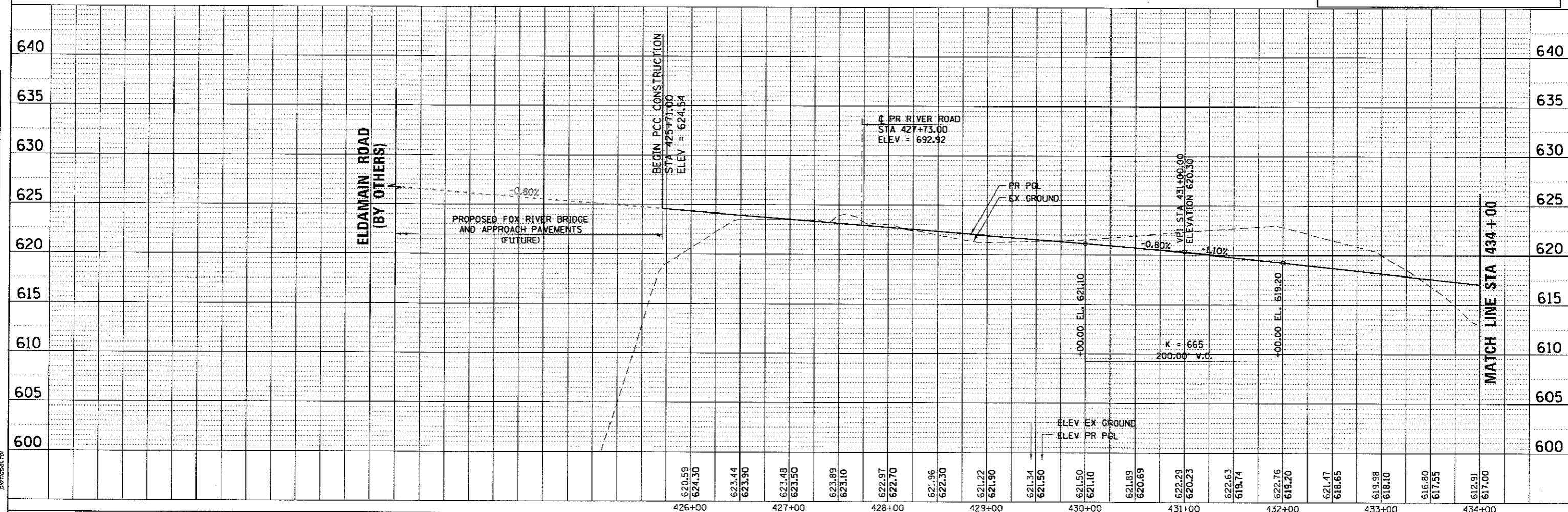
| | | |
|-----------------------------|----|------|
| PROFILE | BY | DATE |
| SUPERVISED | | |
| NOTE BOOK | | |
| NO. | | |
| GRADES CHECKED | | |
| STRUCTURE NOTATIONS CHECKED | | |

HRG PROJECT NO.: 160303B
 HRG PROJ. CONTACT: 384.0000.00
 FILE NAME: E_eldmain.rvt
 PLOT DRIVER: E_elf_dwt.rtg
 PEN TABLE: plottbl.tbl



| LEGEND | |
|--------|--|
| | EXISTING RIGHT-OF-WAY |
| | EXISTING PROPERTY LINE |
| | EXISTING EASEMENT |
| | PROPOSED RIGHT-OF-WAY |
| | PROPOSED TEMPORARY EASEMENT |
| | PROPOSED PERMANENT EASEMENT |
| | CONSTRUCTION LIMITS |
| | INDICATES AREAS WHERE MEDIAN COMB CC&G IS PITCHED INWARD |

* INTERSECTION RADII ARE MEASURED TO THE WHITE EDGE LINE. ACTUAL EDGE OF PAVEMENT IS OFFSET 2' FROM THE WHITE EDGE LINE WITHIN LIMITS OF CURB AND GUTTER.
 ** SEE CROSS SECTIONS FOR GRADING IMPROVEMENTS SOUTH OF PCC IMPROVEMENTS BETWEEN STA 425+00.00 AND STA 425+71.00.



| | | | | | | | | | | | | | | | | |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 426+00 | 427+00 | 428+00 | 429+00 | 430+00 | 431+00 | 432+00 | 433+00 | 434+00 | | | | | | | | |
| 620.59 624.30 | 623.44 623.90 | 623.48 623.50 | 623.89 623.10 | 622.97 622.70 | 621.96 622.30 | 621.22 621.90 | 621.34 621.50 | 621.50 621.10 | 621.89 620.69 | 622.29 620.23 | 622.63 619.74 | 622.76 619.20 | 621.47 618.65 | 619.98 618.10 | 616.80 617.85 | 612.91 617.00 |

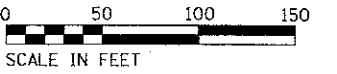
HRGreen.com
 Illinois Professional Design Firm
 # 184-001322

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

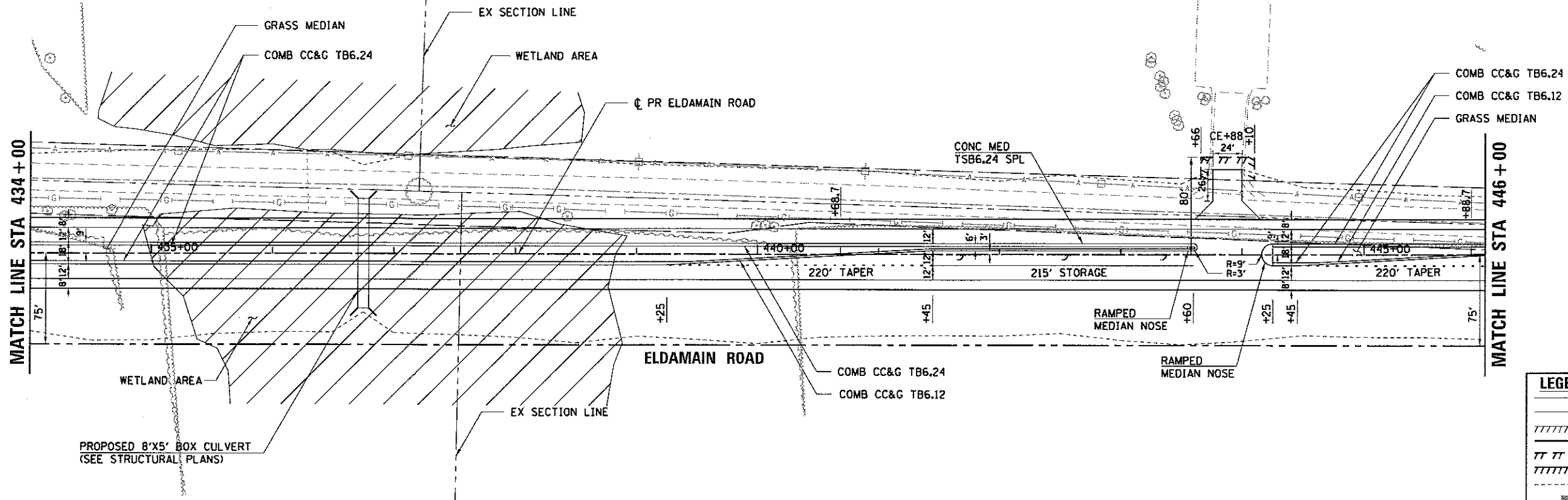
KENDALL COUNTY HIGHWAY DEPARTMENT

PLAN AND PROFILE
ELDAMAIN ROAD (SHEET 1 OF 6)

| | | | | |
|---|----------------------------|----------------|------------------|--------------|
| F.A.U. RTE. 4000 | SECTION NO. 16-00135-00-RP | COUNTY KENDALL | TOTAL SHEETS 237 | SHEET NO. 35 |
| CONTRACT NO. 87666 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

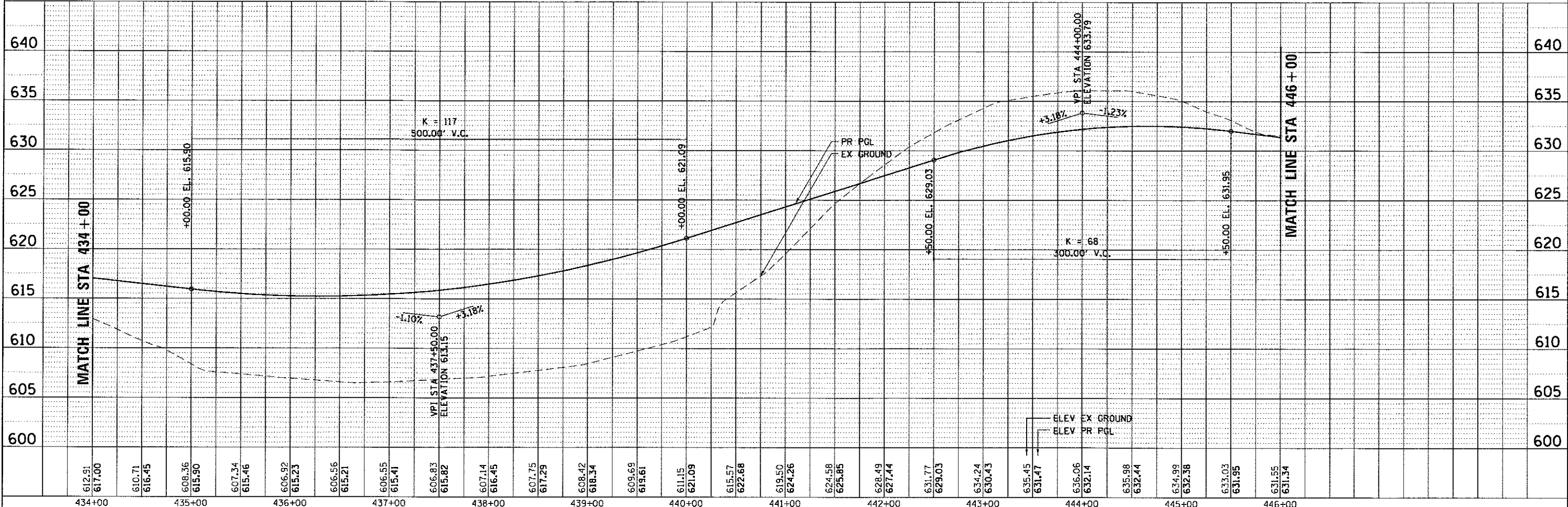


| | | | |
|------|--------------------|----|------|
| PLAN | SURVEYED | BY | DATE |
| | NOTE BOOK | | |
| | RT. OF WAY CHECKED | | |
| | CADD FILE NAME | | |



| LEGEND | |
|--------|--|
| | EXISTING RIGHT-OF-WAY |
| | EXISTING PROPERTY LINE |
| | EXISTING EASEMENT |
| | PROPOSED RIGHT-OF-WAY |
| | PROPOSED TEMPORARY EASEMENT |
| | PROPOSED PERMANENT EASEMENT |
| | CONSTRUCTION LIMITS |
| | INDICATES AREAS WHERE MEDIAN COMB CC&G IS PITCHED INWARD |

| | | | |
|---------|--------------------------|----|------|
| PROFILE | REFERED | BY | DATE |
| | PLOTTED | | |
| | GRADES CHECKED | | |
| | BLA. NOTED | | |
| | STRUCTURE NOTATIONS OK'D | | |
| | NO. | | |



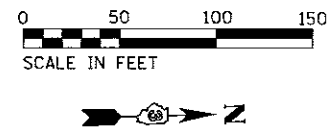
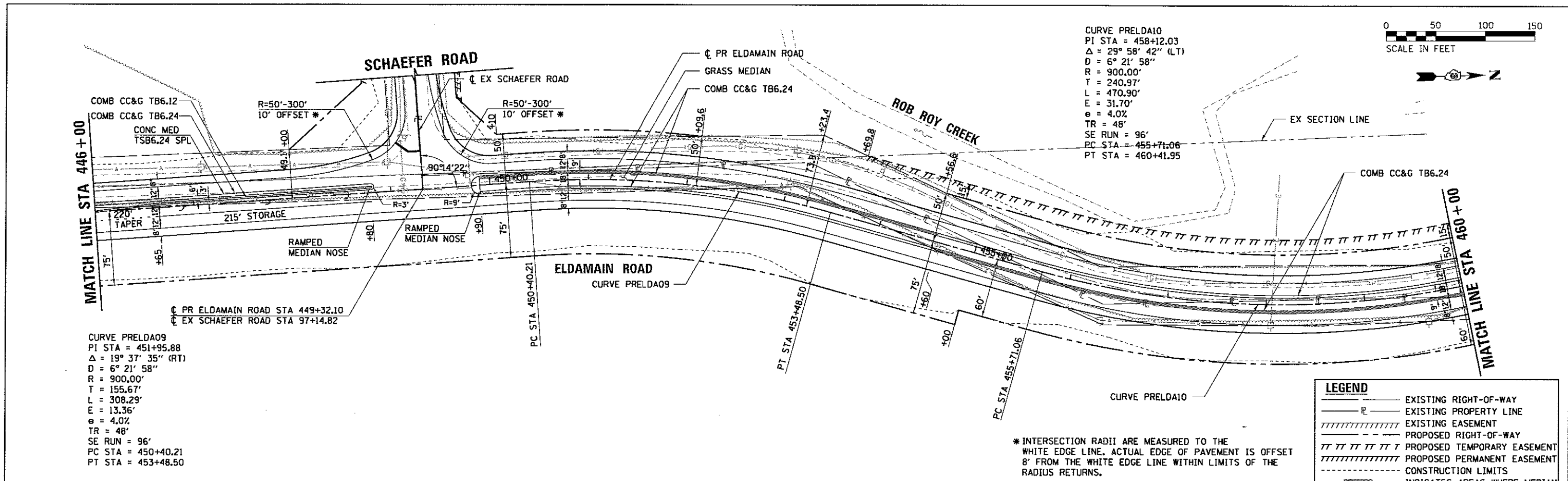
HRG PROJECT NO. 189/0381
 HRG PROJ. CONTACT: 384-pp02.dgn
 FILE NAME: 189-pp02.dgn
 PLOT DRIVER: il_per_dwgplot.dwg
 PLOT TABLE: plottable.tbl

| | | | | | | | | |
|--|--|--|--|--|--|-------------------|---|--|
| HRGreen.com Illinois Professional Design Firm # 184-091322 | USER NAME = rbest PLOT SCALE = PLOT DATE = 5/15/2017 | DESIGNED - APS DRAWN - RCB CHECKED - DATE - 5/15/17 | REVISED - REVISED - REVISED - REVISED - | KENDALL COUNTY HIGHWAY DEPARTMENT | PLAN AND PROFILE ELDAMAIN ROAD (SHEET 2 OF 6) | | F.A.U. RTE. 4000 SECTION NO. 16-00136-00-RP COUNTY KENDALL ILLINOIS FED. AID PROJECT | TOTAL SHEETS 237 SHEET NO. 36 CONTRACT NO. 87666 |
| | SCALE: SHEET NO. OF SHEETS STA. TO STA. | DATE: 5/15/17 | SHEET NO. 237 OF 237 | | COUNTY: KENDALL | TOTAL SHEETS: 237 | SHEET NO.: 36 | CONTRACT NO.: 87666 |

| | | | |
|------|--------------------|----|------|
| PLAN | SURVEYED | BY | DATE |
| | NOTE BOOK | | |
| | RT. OF WAY CHECKED | | |
| | CONC. MED. CHECKED | | |
| | TSB6.24 SPL | | |
| | CAUD FILE NAME | | |

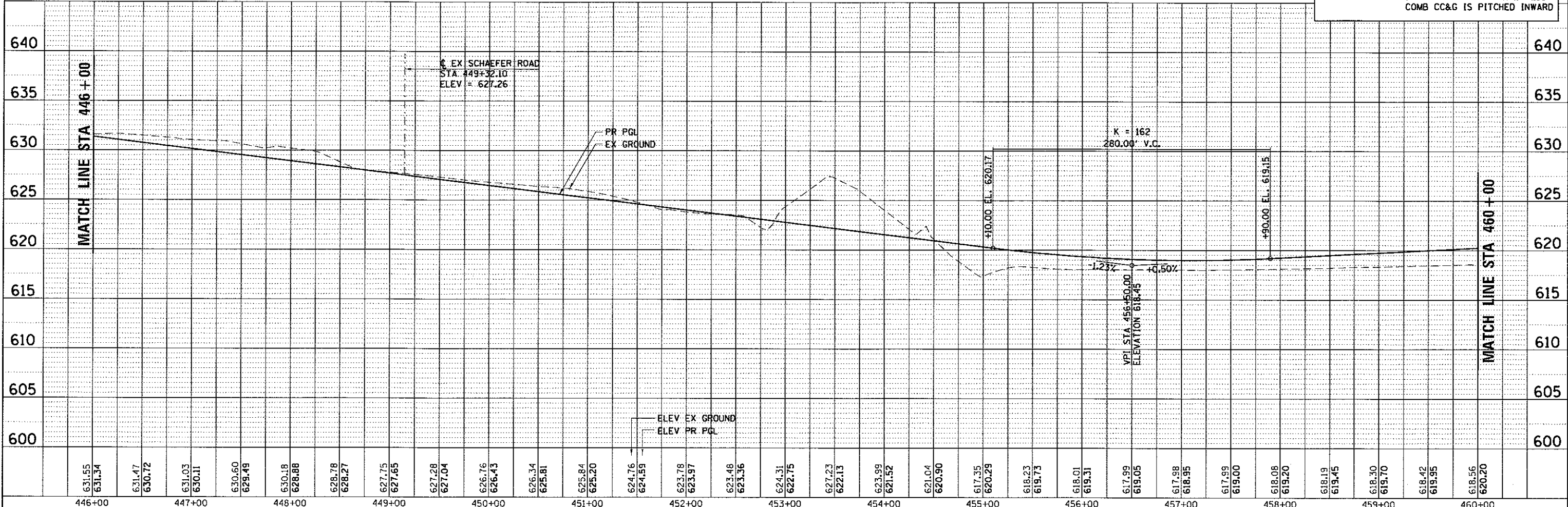
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| PROFILE | DATE | BY |
| | | |
| | | |
| | | |
| | | |
| | | |

HRG PROJECT NO. 887038H
 HRG PROJ CONTACT: 384a_ppp02.dgn
 FILE NAME: E:\ref_bv02107.g
 PLOT DRIVER: pldr.tbl



| LEGEND | |
|--------|--|
| | EXISTING RIGHT-OF-WAY |
| | EXISTING PROPERTY LINE |
| | EXISTING EASEMENT |
| | PROPOSED RIGHT-OF-WAY |
| | PROPOSED TEMPORARY EASEMENT |
| | PROPOSED PERMANENT EASEMENT |
| | CONSTRUCTION LIMITS |
| | INDICATES AREAS WHERE MEDIAN COMB CC&G IS PITCHED INWARD |

* INTERSECTION RADII ARE MEASURED TO THE WHITE EDGE LINE. ACTUAL EDGE OF PAVEMENT IS OFFSET 8' FROM THE WHITE EDGE LINE WITHIN LIMITS OF THE RADIUS RETURNS.



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 446+00 | 447+00 | 448+00 | 449+00 | 450+00 | 451+00 | 452+00 | 453+00 | 454+00 | 455+00 | 456+00 | 457+00 | 458+00 | 459+00 | 460+00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 631.55 | 631.34 | 631.47 | 630.72 | 631.03 | 630.11 | 630.60 | 629.49 | 630.18 | 628.88 | 628.78 | 628.27 | 627.75 | 627.65 | 627.28 | 627.04 | 626.76 | 626.43 | 626.34 | 625.81 | 625.84 | 625.20 | 624.76 | 624.59 | 623.78 | 623.97 | 623.48 | 623.36 | 624.31 | 622.75 | 627.23 | 622.13 | 623.99 | 621.52 | 621.04 | 620.90 | 617.35 | 620.29 | 618.23 | 619.73 | 618.01 | 619.31 | 617.99 | 619.05 | 617.98 | 618.95 | 617.99 | 619.00 | 618.08 | 619.20 | 618.19 | 619.45 | 618.30 | 619.70 | 618.42 | 619.95 | 618.56 | 620.20 |

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 Illinois Professional Design Firm
 # 184-001322

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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 - |

KENDALL COUNTY HIGHWAY DEPARTMENT

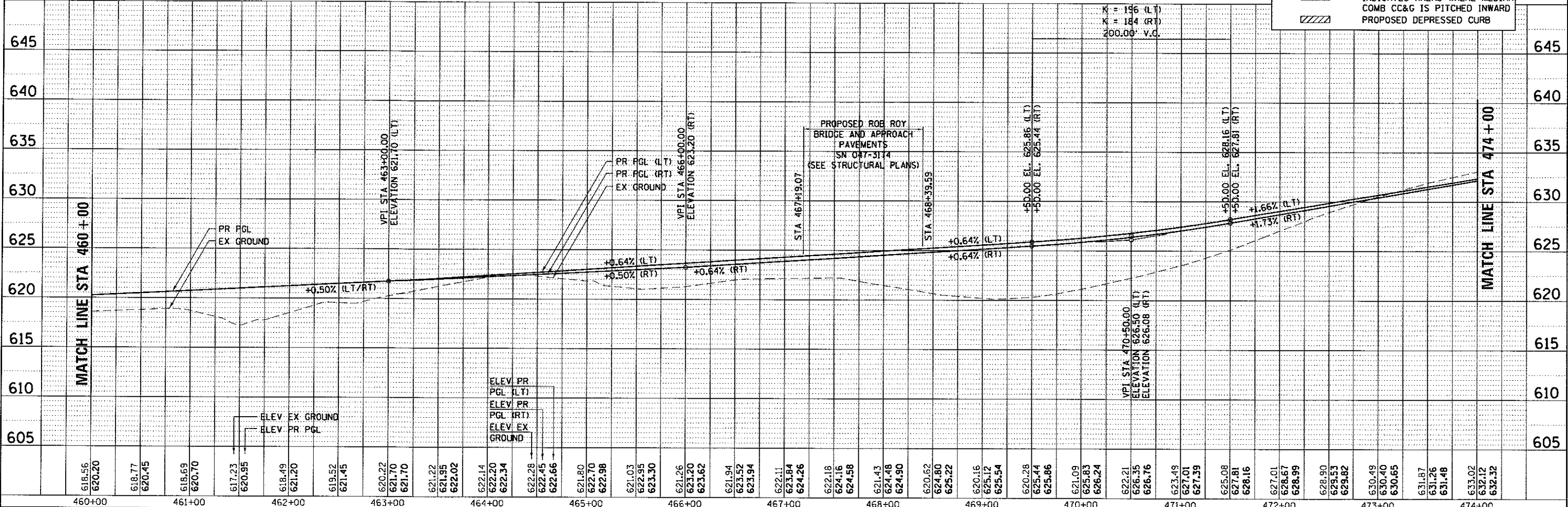
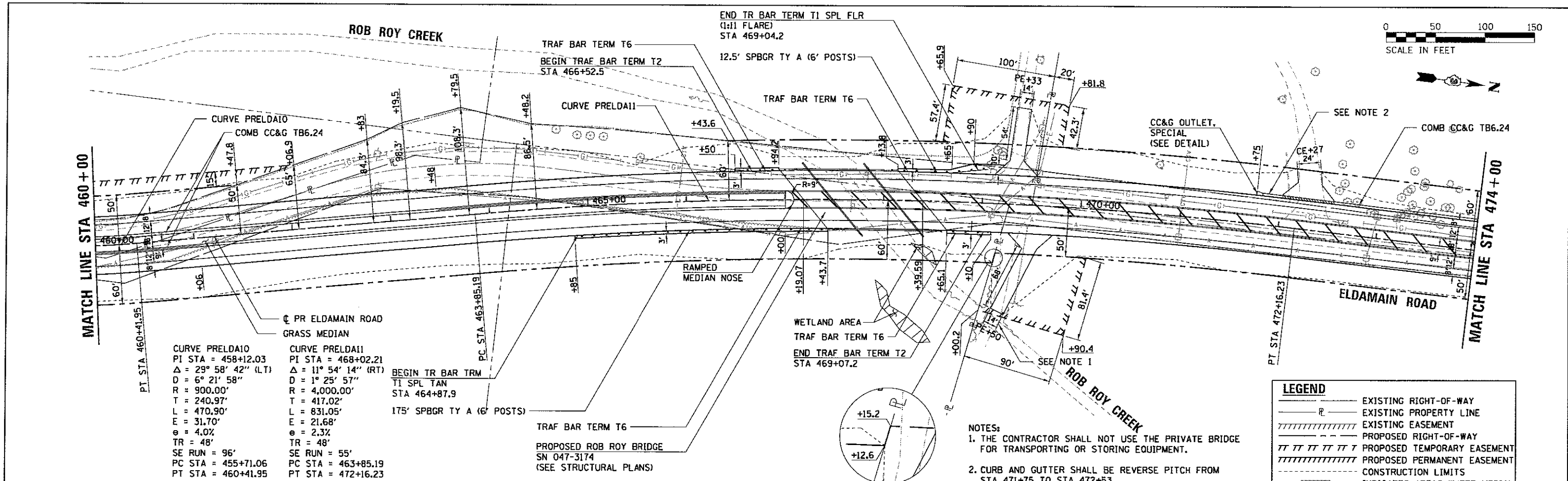
| PLAN AND PROFILE | | | |
|------------------------------|---------------------|--------------|--|
| ELDAMAIN ROAD (SHEET 3 OF 6) | | | |
| SCALE: | SHEET NO. OF SHEETS | STA. TO STA. | |

| | | | | |
|---------------------|----------------------------|---------------------------|------------------|--------------|
| F.A.U. RTE. 4000 | SECTION NO. 16-00136-00-RP | COUNTY KENDALL | TOTAL SHEETS 237 | SHEET NO. 37 |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |
| CONTRACT NO. 87666 | | | | |

| | |
|------|------|
| PLAN | DATE |
| BY | |
| NO. | |
| NO. | |
| NO. | |
| NO. | |

| | |
|---------|------|
| PROFILE | DATE |
| BY | |
| NO. | |
| NO. | |
| NO. | |
| NO. | |

HRG PROJECT NO.: 2820238
 FILED PROJECT CONTACT: HRG
 PLOT DRIVER: HRG
 PEN TABLE: HRG



| | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 460+00 | 461+00 | 462+00 | 463+00 | 464+00 | 465+00 | 466+00 | 467+00 | 468+00 | 469+00 | 470+00 | 471+00 | 472+00 | 473+00 | 474+00 |
| 618.56 | 620.20 | 618.77 | 620.45 | 618.69 | 620.70 | 617.23 | 620.95 | 618.49 | 621.20 | 619.52 | 621.45 | 620.22 | 621.70 | 621.70 |
| 622.28 | 622.45 | 622.66 | 621.80 | 622.70 | 622.98 | 621.03 | 622.95 | 623.30 | 621.26 | 623.20 | 623.62 | 621.94 | 623.52 | 623.94 |
| 622.11 | 623.84 | 624.26 | 622.18 | 624.16 | 624.58 | 621.43 | 624.48 | 624.90 | 620.62 | 624.80 | 625.22 | 620.16 | 625.12 | 625.54 |
| 620.28 | 625.44 | 625.86 | 621.09 | 625.83 | 626.24 | 622.21 | 626.35 | 626.76 | 625.08 | 627.81 | 628.16 | 627.01 | 627.39 | 625.08 |
| 627.81 | 628.16 | 627.01 | 627.39 | 625.08 | 627.81 | 628.16 | 627.01 | 627.39 | 625.08 | 627.81 | 628.16 | 627.01 | 627.39 | 625.08 |
| 628.90 | 629.33 | 629.82 | 630.49 | 630.40 | 630.65 | 631.87 | 631.26 | 631.48 | 633.02 | 632.12 | 632.32 | 628.90 | 629.33 | 629.82 |
| 630.49 | 630.40 | 630.65 | 631.87 | 631.26 | 631.48 | 633.02 | 632.12 | 632.32 | 633.02 | 632.12 | 632.32 | 628.90 | 629.33 | 629.82 |

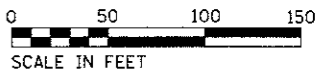
HRGreen.com
 Illinois Professional Design Firm
 # 184-001322

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

KENDALL COUNTY HIGHWAY DEPARTMENT

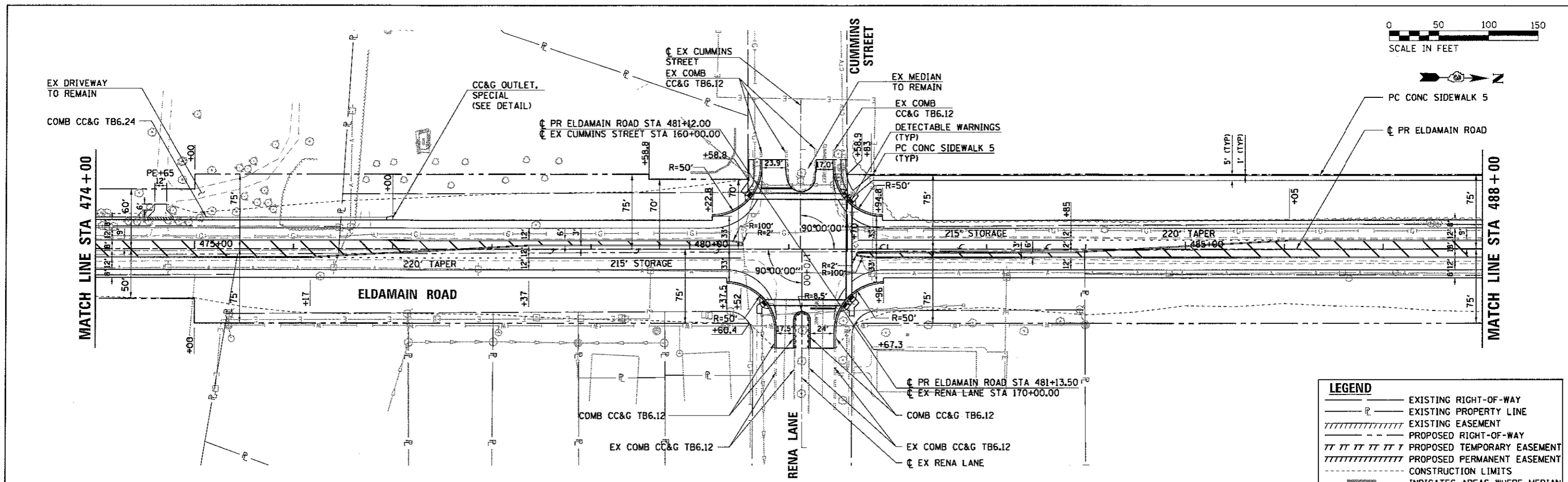
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|--------|---------------------|--------------|
| SCALE: | SHEET NO. OF SHEETS | STA. TO STA. |
| | | |

| | | | | |
|--------------------|----------------|---------------------------|--------------|-----------|
| F.A.U. RTE. | SECTION NO. | COUNTY | TOTAL SHEETS | SHEET NO. |
| 4000 | 16-00136-00-RP | KENDALL | 237 | 38 |
| CONTRACT NO. 87666 | | ILLINOIS FED. AID PROJECT | | |

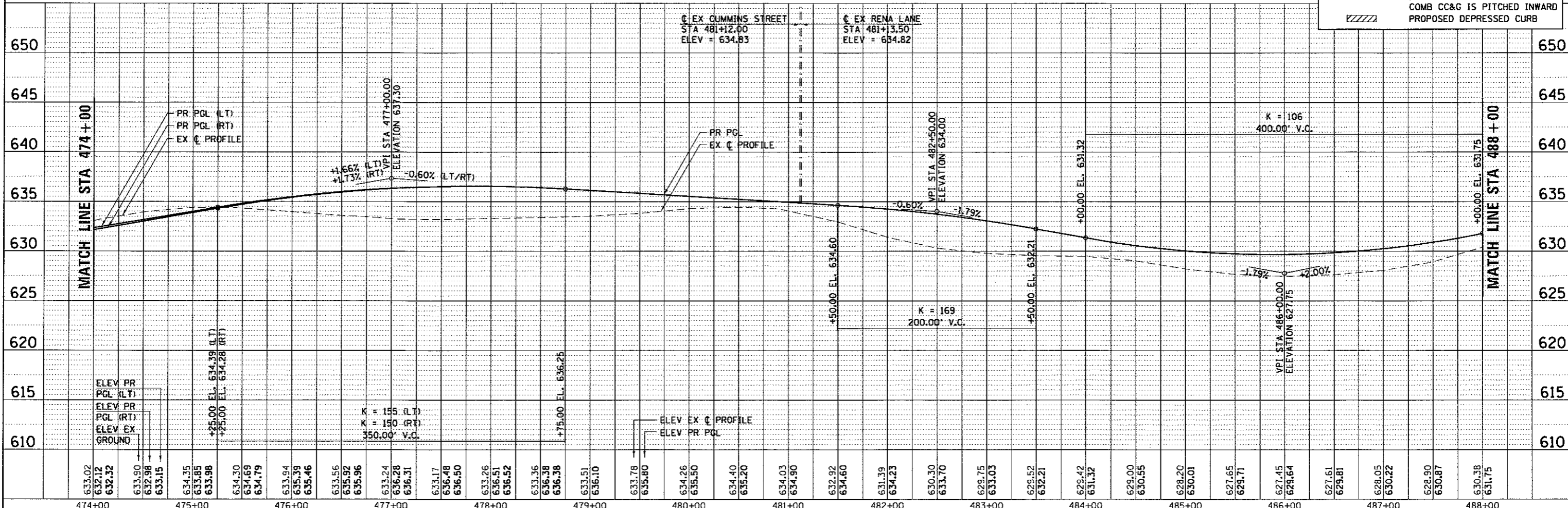


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|----------|----|------|
| PLAN | BY | DATE |
| REVISION | | |
| NO. 1 | | |
| NO. 2 | | |
| NO. 3 | | |
| NO. 4 | | |
| NO. 5 | | |
| NO. 6 | | |
| NO. 7 | | |
| NO. 8 | | |
| NO. 9 | | |
| NO. 10 | | |

| | | |
|----------|----|------|
| PROFILE | BY | DATE |
| REVISION | | |
| NO. 1 | | |
| NO. 2 | | |
| NO. 3 | | |
| NO. 4 | | |
| NO. 5 | | |
| NO. 6 | | |
| NO. 7 | | |
| NO. 8 | | |
| NO. 9 | | |
| NO. 10 | | |

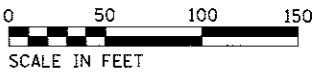


| LEGEND | |
|--------|--|
| | EXISTING RIGHT-OF-WAY |
| | EXISTING PROPERTY LINE |
| | EXISTING EASEMENT |
| | PROPOSED RIGHT-OF-WAY |
| | PROPOSED TEMPORARY EASEMENT |
| | PROPOSED PERMANENT EASEMENT |
| | CONSTRUCTION LIMITS |
| | INDICATES AREAS WHERE MEDIAN COMB CC&G IS PITCHED INWARD |
| | PROPOSED DEPRESSED CURB |



HRG PROJECT NO. 16030381
 HRG PROJ. CONTACT: 384.prd@hr.com
 FILE NAME: 16-00136-00-RP
 PLOT DRIVER: il.pdf_bwp107g
 PEN TABLE: plottable.tbl

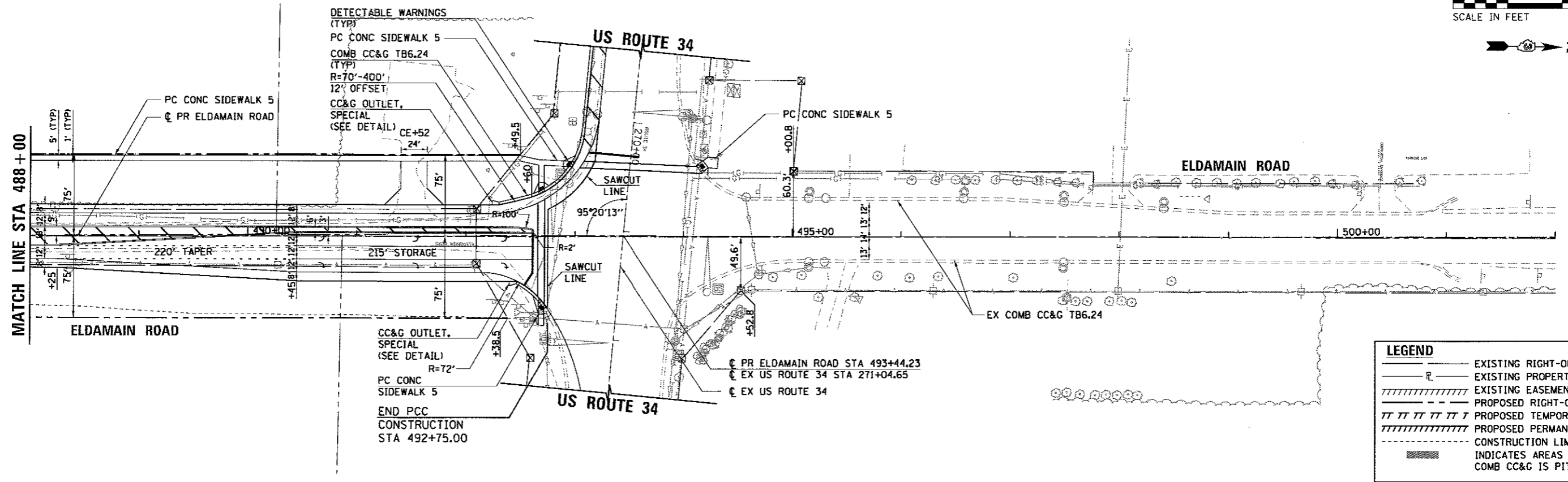
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|---|--|--|--|--|--|--|---|
| HRGreen.com Illinois Professional Design Firm #184-001322 | USER NAME = rbest PLOT SCALE = PLOT DATE = 5/15/2017 | DESIGNED - APS DRAWN - RCB CHECKED - DATE - 5/15/17 | REVISED - REVISED - REVISED - REVISED - | KENDALL COUNTY HIGHWAY DEPARTMENT | PLAN AND PROFILE ELDAMAIN ROAD (SHEET 5 OF 6) | F.A.U. RTE. 4000 SECTION NO. 16-00136-00-RP COUNTY KENDALL TOTAL SHEETS 237 SHEET NO. 39 | CONTRACT NO. 87666 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |
| | SCALE: SHEET NO. OF SHEETS STA. TO STA. | | | | | | |



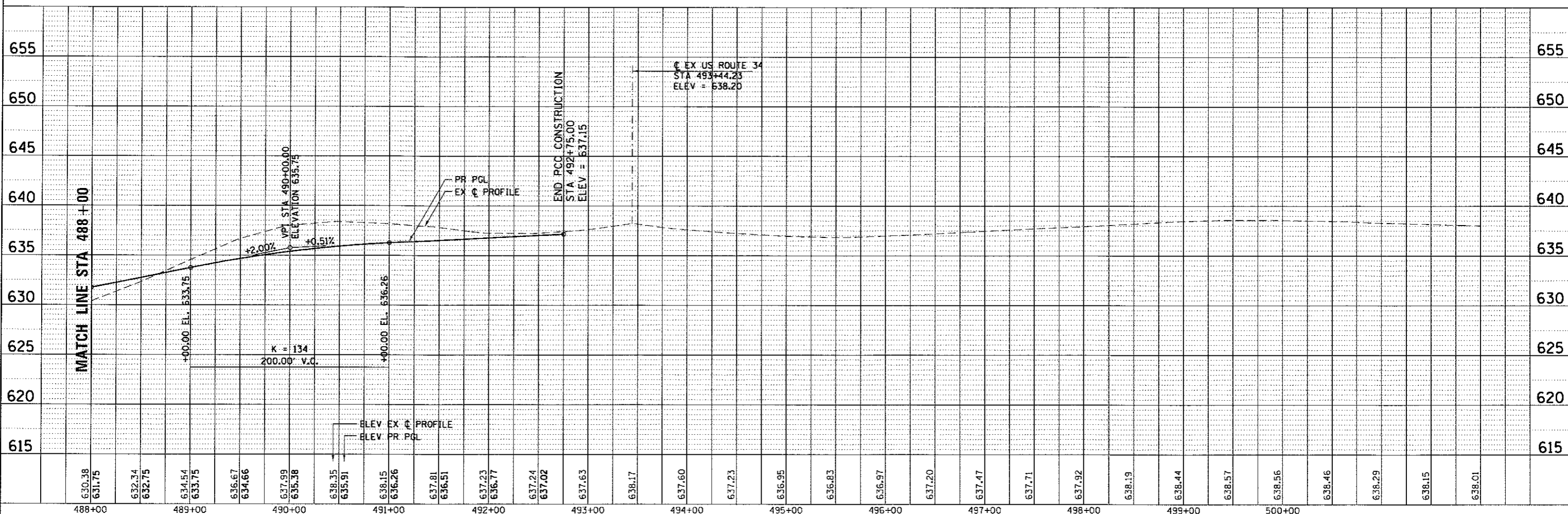
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| PLAN | DATE |
| BY | |
| SURVEYED | CHECKED |
| ALIGNED | BY |
| NOTE BOOK | NO. |
| DATE | |

| | |
|----------------|----------|
| PROFILE | DATE |
| BY | |
| GRADES CHECKED | NOTATION |
| STRUCTURE | NOTATION |
| NO. | |

HRG PROJECT NO. 20170278
 HRG PROJ CONTACT: 384-ppc06.dgn
 PLOT DRIVER: pp666666
 PEN TABLE: pp666666



| LEGEND | |
|--------|--|
| | EXISTING RIGHT-OF-WAY |
| | EXISTING PROPERTY LINE |
| | EXISTING EASEMENT |
| | PROPOSED RIGHT-OF-WAY |
| | PROPOSED TEMPORARY EASEMENT |
| | PROPOSED PERMANENT EASEMENT |
| | CONSTRUCTION LIMITS |
| | INDICATES AREAS WHERE MEDIAN COMB CC&G IS PITCHED INWARD |



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 488+00 | 489+00 | 490+00 | 491+00 | 492+00 | 493+00 | 494+00 | 495+00 | 496+00 | 497+00 | 498+00 | 499+00 | 500+00 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 630.38 | 631.75 | 632.34 | 632.75 | 634.54 | 633.75 | 636.67 | 634.66 | 637.99 | 635.38 | 638.35 | 635.91 | 638.15 | 636.26 | 637.81 | 636.51 | 637.23 | 636.77 | 637.24 | 637.02 | 637.63 | 638.17 | 637.60 | 637.23 | 636.95 | 636.83 | 636.97 | 637.20 | 637.47 | 637.71 | 637.92 | 638.19 | 638.44 | 638.57 | 638.56 | 638.46 | 638.29 | 638.15 | 638.01 |

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

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

KENDALL COUNTY HIGHWAY DEPARTMENT

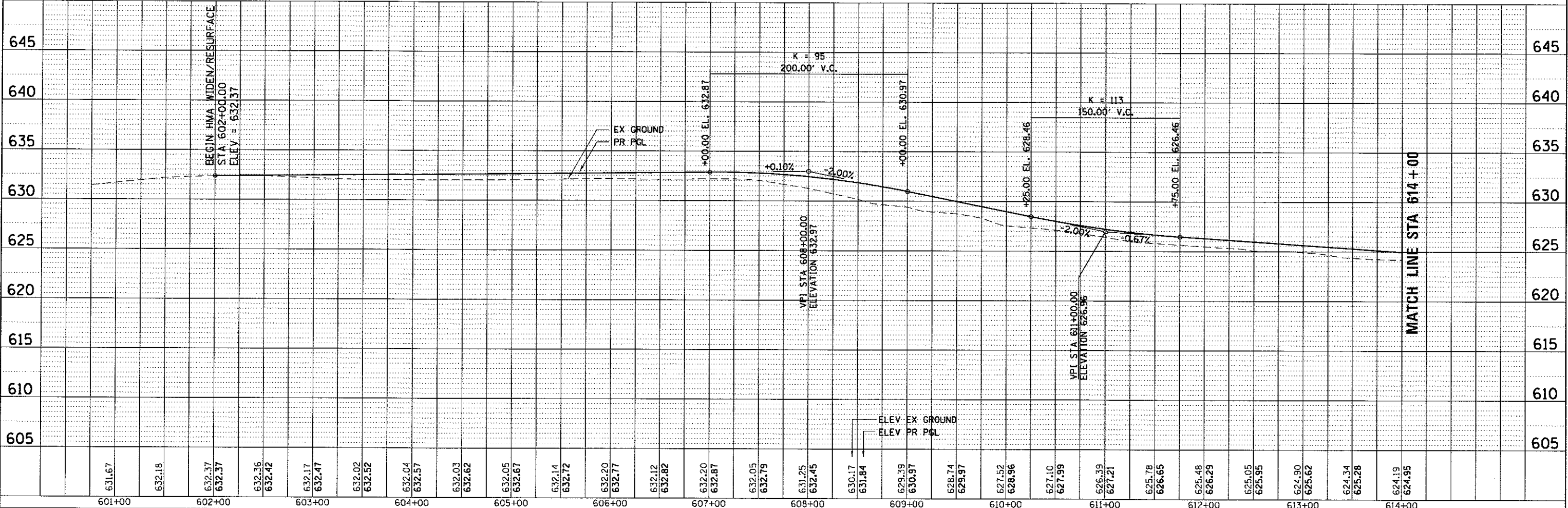
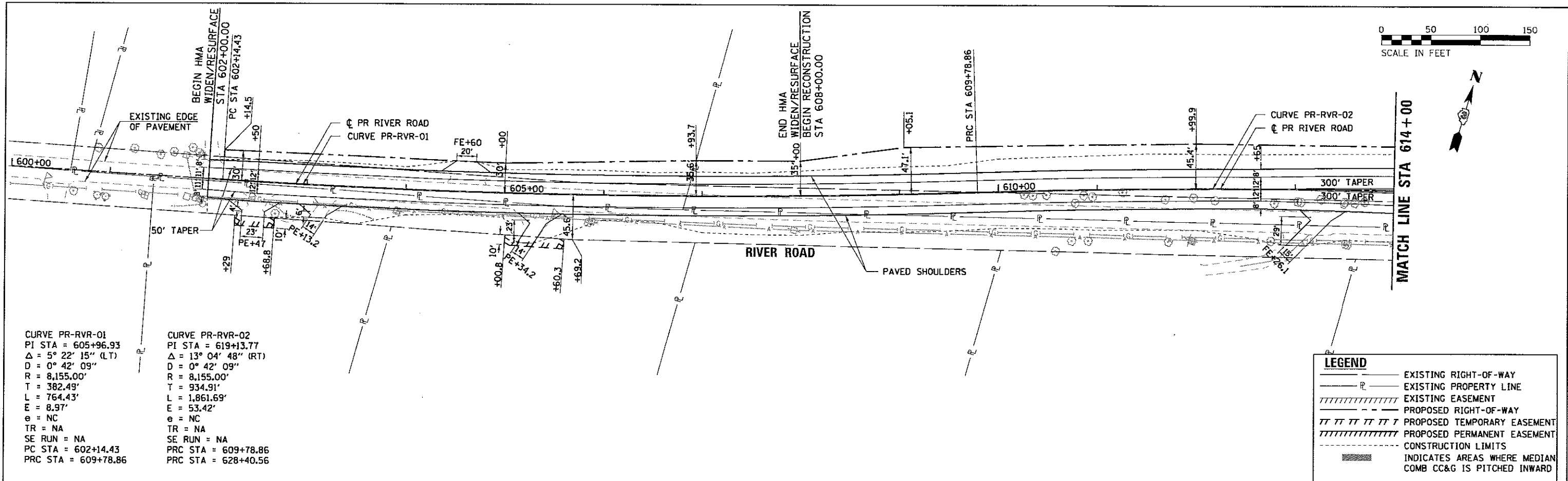
| PLAN AND PROFILE | | | |
|------------------------------|-----------|-----------|--------------|
| ELDAMAIN ROAD (SHEET 6 OF 6) | | | |
| SCALE: | SHEET NO. | OF SHEETS | STA. TO STA. |

| | | | | |
|---|----------------------------|--------------------|------------------|--------------|
| F.A.U. RTE. 4000 | SECTION NO. 16-00136-00-RP | COUNTY KENDALL | TOTAL SHEETS 237 | SHEET NO. 40 |
| FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT | | CONTRACT NO. 87666 | | |

| | | | |
|------|----------|----|------|
| PLAN | SURVEYED | BY | DATE |
| | ALIGNED | | |
| | NOTED | | |
| | NO. | | |

| | | | |
|---------|----------------|----|------|
| PROFILE | SURVEYED | BY | DATE |
| | GRADES CHECKED | | |
| | PLOTTED | | |
| | NO. | | |

HRG PROJECT NO. 080038R
 HRG CONTRACT FILE NAME: 16-00136-00-PP
 PLOT DRIVER: 16-00136-00-PP
 PEN TABLE: plottable.ctb



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 601+00 | 602+00 | 603+00 | 604+00 | 605+00 | 606+00 | 607+00 | 608+00 | 609+00 | 610+00 | 611+00 | 612+00 | 613+00 | 614+00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 631.67 | 632.18 | 632.37 | 632.37 | 632.36 | 632.42 | 632.17 | 632.47 | 632.02 | 632.52 | 632.04 | 632.57 | 632.03 | 632.62 | 632.05 | 632.67 | 632.14 | 632.72 | 632.20 | 632.77 | 632.12 | 632.82 | 632.20 | 632.87 | 632.05 | 632.79 | 631.25 | 632.45 | 630.17 | 631.84 | 629.39 | 630.97 | 628.74 | 629.97 | 627.52 | 628.96 | 627.10 | 627.99 | 626.39 | 627.21 | 625.78 | 626.65 | 625.48 | 626.29 | 625.05 | 625.95 | 624.90 | 625.62 | 624.34 | 625.28 | 624.19 | 624.95 |

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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 - |

KENDALL COUNTY HIGHWAY DEPARTMENT

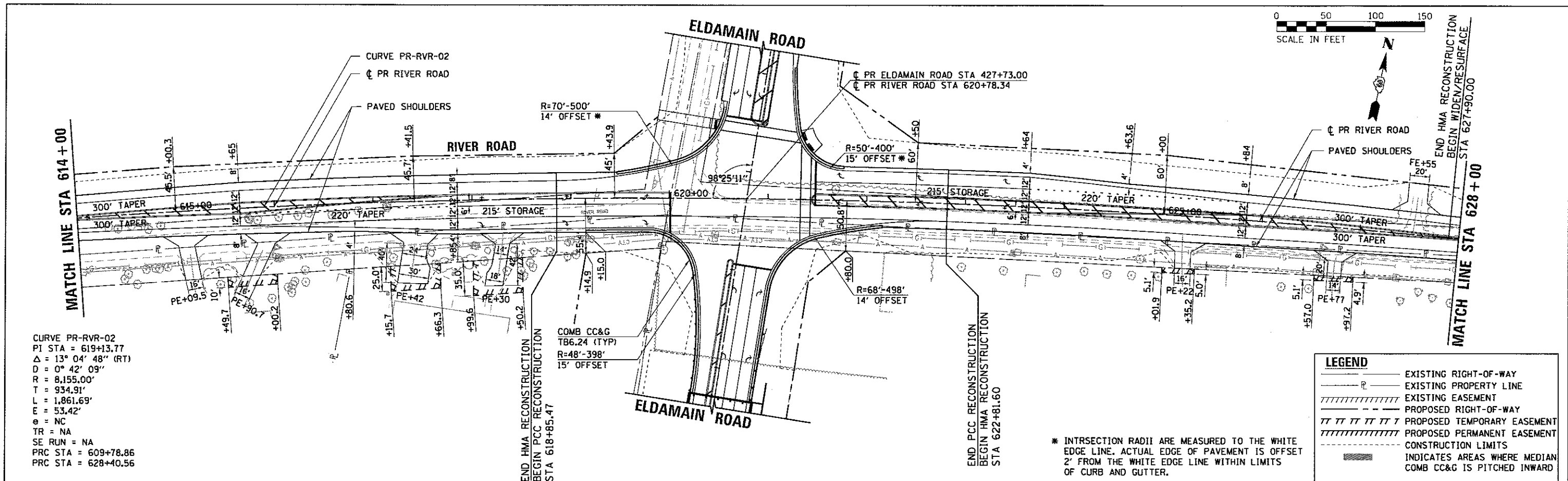
| | | | | | |
|--------|-----------|----|--------|------|---------|
| SCALE: | SHEET NO. | OF | SHEETS | STA. | TO STA. |
|--------|-----------|----|--------|------|---------|

| | | | | |
|--------------------|----------------------------|----------------|------------------|--------------|
| F.A.I.L. RTE. 4000 | SECTION NO. 16-00136-00-RP | COUNTY KENDALL | TOTAL SHEETS 237 | SHEET NO. 41 |
| CONTRACT NO. 87666 | | | | |

| | |
|-------------|------|
| PLAN | DATE |
| BY | |
| REVISIONS | |
| NO. | |
| DATE | |
| BY | |
| DESCRIPTION | |
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |

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|-------------|------|
| PROFILE | DATE |
| BY | |
| REVISIONS | |
| NO. | |
| DATE | |
| BY | |
| DESCRIPTION | |
| 1 | |
| 2 | |
| 3 | |
| 4 | |
| 5 | |

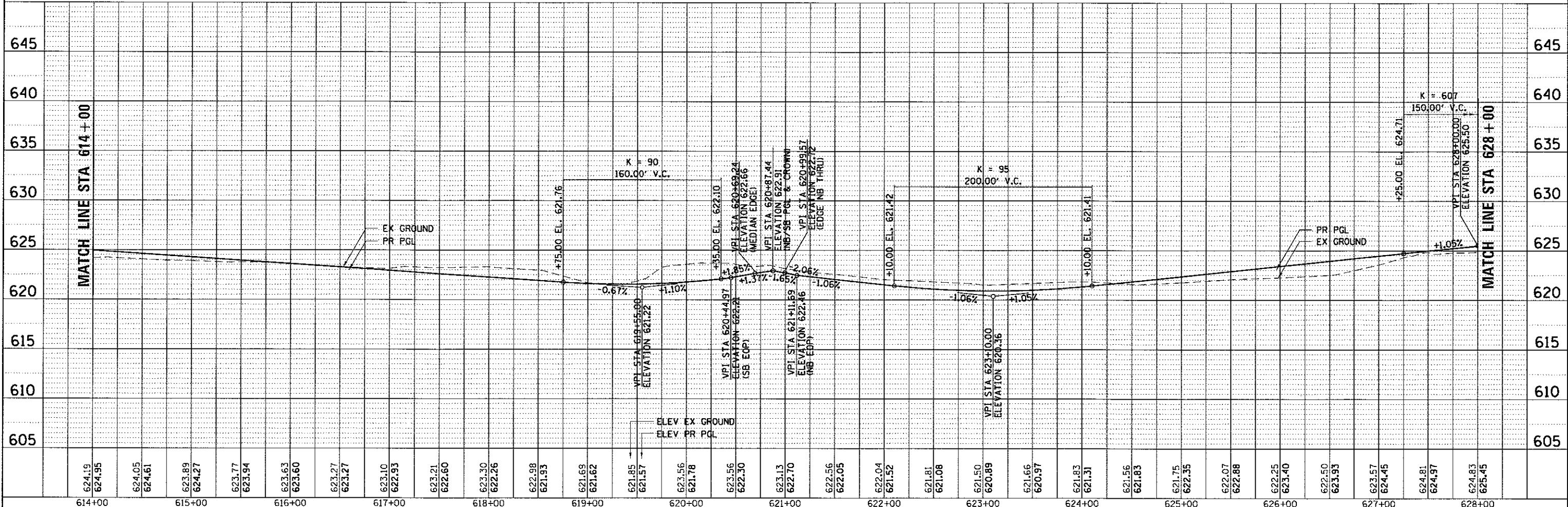
HRG PROJECT NO. 389A-0008-001
 HRG PROJ. CONTACT: L. Perdue
 PLOT DRIVER: P. H. Miller
 PEN TABLE



CURVE PR-RVR-02
 PI STA = 619+13.77
 $\Delta = 13^\circ 04' 48''$ (RT)
 $D = 0^\circ 42' 09''$
 $R = 8,155.00'$
 $T = 934.91'$
 $L = 1,861.69'$
 $E = 53.42'$
 $\theta = NC$
 $TR = NA$
 $SE RUN = NA$
 $PRC STA = 609+78.86$
 $PRC STA = 628+40.56$

| LEGEND | |
|--------|--|
| | EXISTING RIGHT-OF-WAY |
| | EXISTING PROPERTY LINE |
| | EXISTING EASEMENT |
| | PROPOSED RIGHT-OF-WAY |
| | PROPOSED TEMPORARY EASEMENT |
| | PROPOSED PERMANENT EASEMENT |
| | CONSTRUCTION LIMITS |
| | INDICATES AREAS WHERE MEDIAN COMB CC&G IS PITCHED INWARD |

* INTERSECTION RADII ARE MEASURED TO THE WHITE EDGE LINE. ACTUAL EDGE OF PAVEMENT IS OFFSET 2' FROM THE WHITE EDGE LINE WITHIN LIMITS OF CURB AND GUTTER.



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 614+00 | 615+00 | 616+00 | 617+00 | 618+00 | 619+00 | 620+00 | 621+00 | 622+00 | 623+00 | 624+00 | 625+00 | 626+00 | 627+00 | 628+00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 624.19 | 624.95 | 624.05 | 624.61 | 623.89 | 624.27 | 623.77 | 623.94 | 623.63 | 623.60 | 623.27 | 623.27 | 623.10 | 622.93 | 623.21 | 622.60 | 623.30 | 622.26 | 622.98 | 621.93 | 621.68 | 621.62 | 621.85 | 621.57 | 623.56 | 622.30 | 623.13 | 622.70 | 622.56 | 622.05 | 622.04 | 621.52 | 621.81 | 621.08 | 621.50 | 620.89 | 621.66 | 620.97 | 621.83 | 621.31 | 621.56 | 621.83 | 621.75 | 622.35 | 622.07 | 622.88 | 622.25 | 623.40 | 622.50 | 623.93 | 623.57 | 624.45 | 624.81 | 624.97 | 624.83 | 625.45 |

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 #154-001322

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

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

KENDALL COUNTY HIGHWAY DEPARTMENT

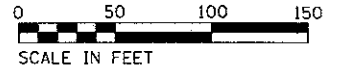
PLAN AND PROFILE
 RIVER ROAD
 SCALE: SHEET NO. OF SHEETS STA. TO STA.

| | | | | |
|---|----------------|---------|--------------|-----------|
| F.A.I. RTE. | SECTION NO. | COUNTY | TOTAL SHEETS | SHEET NO. |
| 4000 | 16-00136-00-RP | KENDALL | 237 | 42 |
| CONTRACT NO. 87666 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

| | | |
|------|--------------------|------|
| PLAN | SURVEYED | DATE |
| | PLOTTED | BY |
| | RT. OF WAY CHECKED | |
| | NO. OF WAY CHECKED | |
| | NO. CAD FILE NAME | |

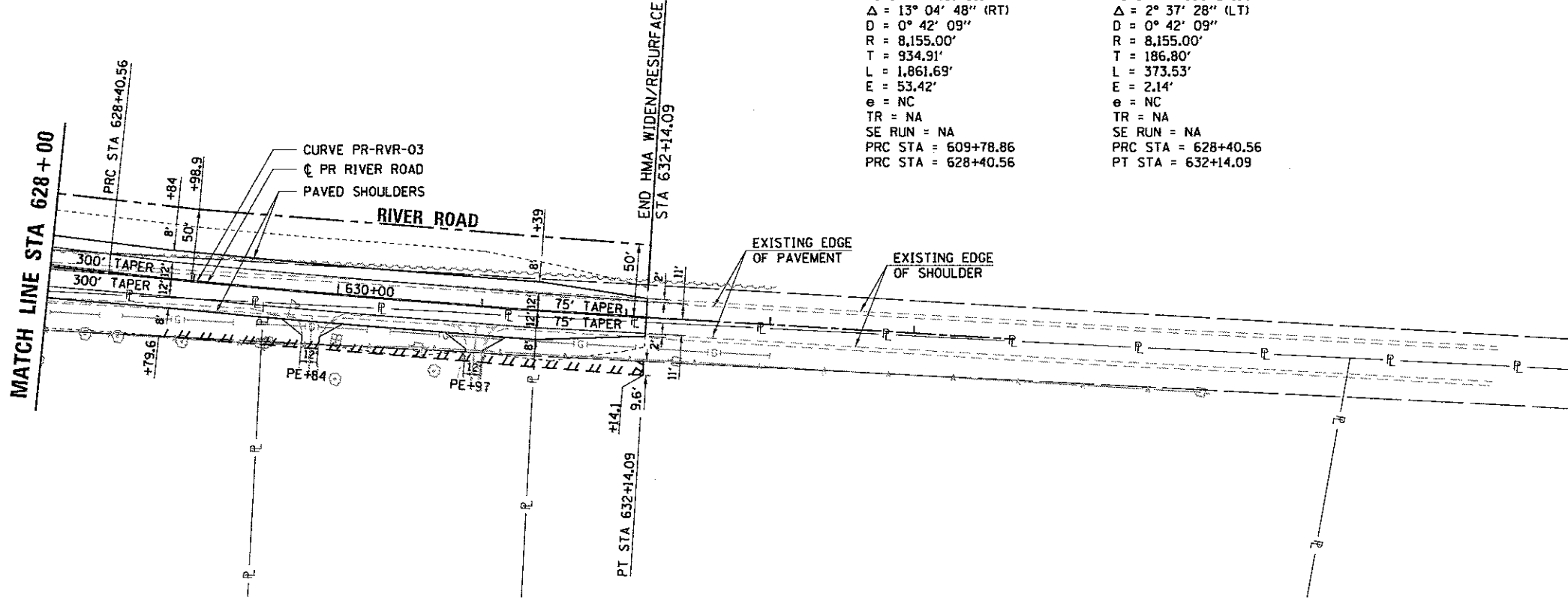
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|---------|------------------------------|------|
| PROFILE | SURVEYED | DATE |
| | PLOTTED | BY |
| | RT. OF WAY CHECKED | |
| | NO. OF WAY CHECKED | |
| | NO. STRUCTURE NOTATIONS CRKD | |

HRG PROJECT NO.: 8830381
 HRG PROJ. CONTACT: 38A-L9909.00p
 FILE NAME: L_ref_bwp1c7g
 PLOT DRIVER: plottbl.tbl
 PEN TABLE:

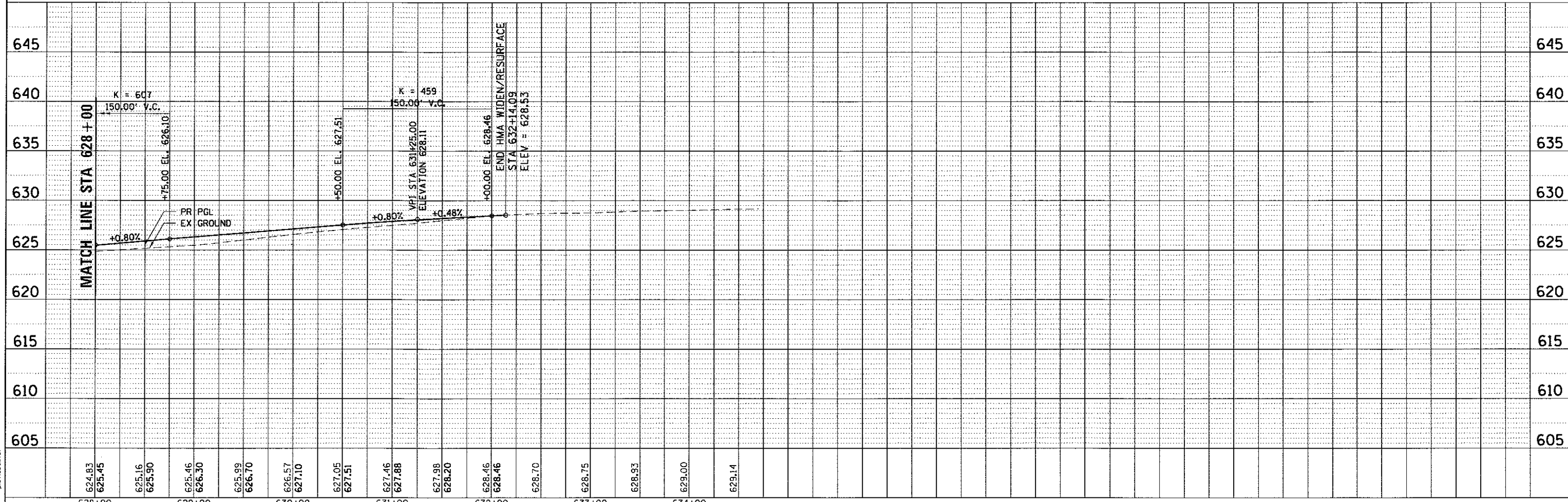


CURVE PR-RVR-02
 PI STA = 619+13.77
 $\Delta = 13^\circ 04' 48''$ (RT)
 $D = 0^\circ 42' 09''$
 $R = 8,155.00'$
 $T = 934.91'$
 $L = 1,861.69'$
 $E = 53.42'$
 $e = NC$
 $TR = NA$
 $SE RUN = NA$
 PRC STA = 609+78.86
 PRC STA = 628+40.56

CURVE PR-RVR-03
 PI STA = 630+27.36
 $\Delta = 2^\circ 37' 28''$ (LT)
 $D = 0^\circ 42' 09''$
 $R = 8,155.00'$
 $T = 186.80'$
 $L = 373.53'$
 $E = 2.14'$
 $e = NC$
 $TR = NA$
 $SE RUN = NA$
 PRC STA = 628+40.56
 PT STA = 632+14.09



| LEGEND | |
|--------|--|
| | EXISTING RIGHT-OF-WAY |
| | EXISTING PROPERTY LINE |
| | EXISTING EASEMENT |
| | PROPOSED RIGHT-OF-WAY |
| | PROPOSED TEMPORARY EASEMENT |
| | PROPOSED PERMANENT EASEMENT |
| | CONSTRUCTION LIMITS |
| | INDICATES AREAS WHERE MEDIAN COMB CC&G IS PITCHED INWARD |



| | | | | | | | | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 628+00 | 629+00 | 630+00 | 631+00 | 632+00 | 633+00 | 634+00 | | | | | | | | | | | | | | | | |
| 624.83 | 625.45 | 625.16 | 625.90 | 625.46 | 626.30 | 625.99 | 626.70 | 626.57 | 627.10 | 627.05 | 627.51 | 627.46 | 627.88 | 627.98 | 628.20 | 628.46 | 628.46 | 628.70 | 628.75 | 628.93 | 629.00 | 629.14 |
| 628+00 | | 629+00 | | 630+00 | | 631+00 | | 632+00 | | 633+00 | | 634+00 | | | | | | | | | | |

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

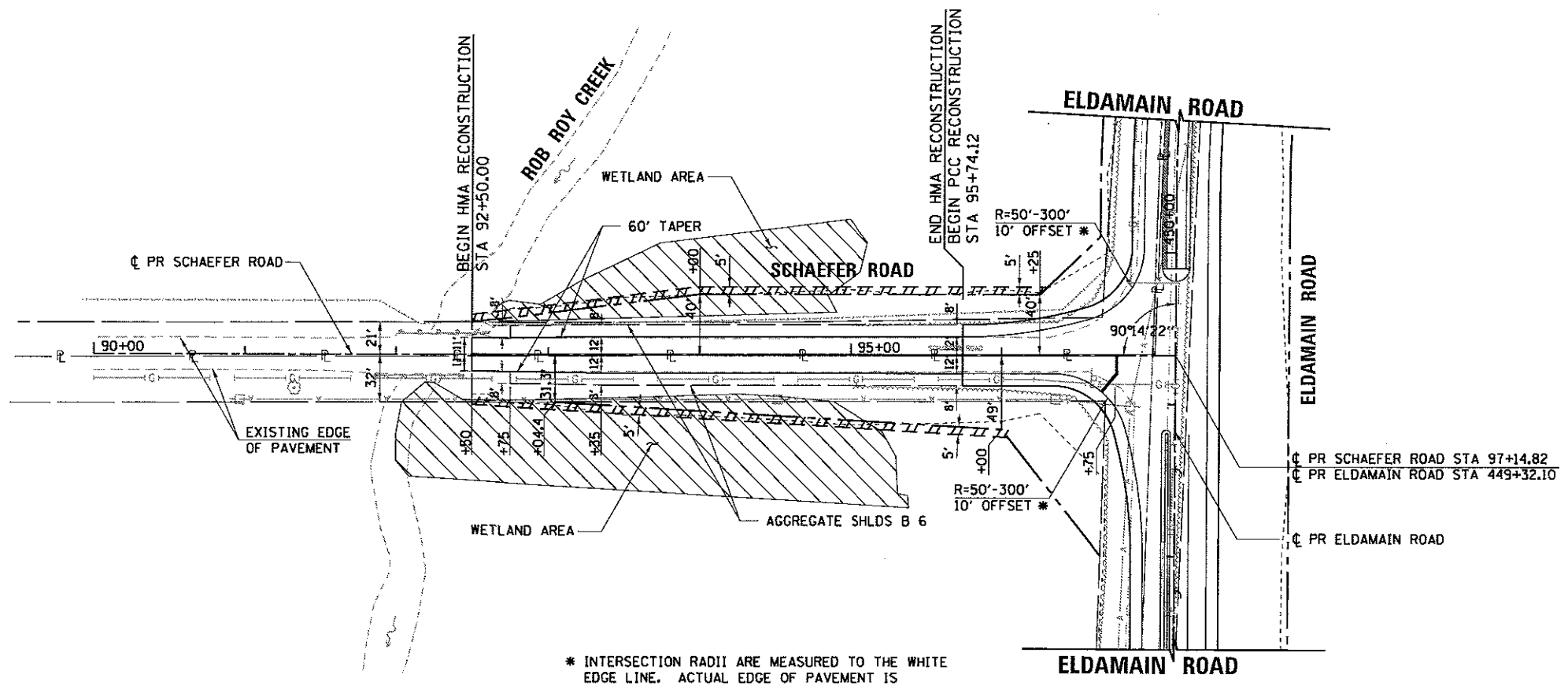
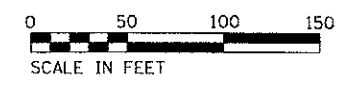
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|---|---------------------|--------------------|---|
| KENDALL COUNTY HIGHWAY DEPARTMENT | | PLAN AND PROFILE | |
| | | RIVER ROAD | |
| SCALE: | SHEET NO. OF SHEETS | STA. TO STA. | F.A.L. RTE. SECTION NO. COUNTY TOTAL SHEETS SHEET NO. |
| | | | 4000 16-00136-00-RP KENDALL 237 43 |
| | | CONTRACT NO. 87666 | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | |



| | | | |
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| PLAN | SURVEYED | BY | DATE |
| | ALIGNED | | |
| | NOTE BOOK | | |
| | NO. OF PAGES | | |
| | ADD FILE NAME | | |

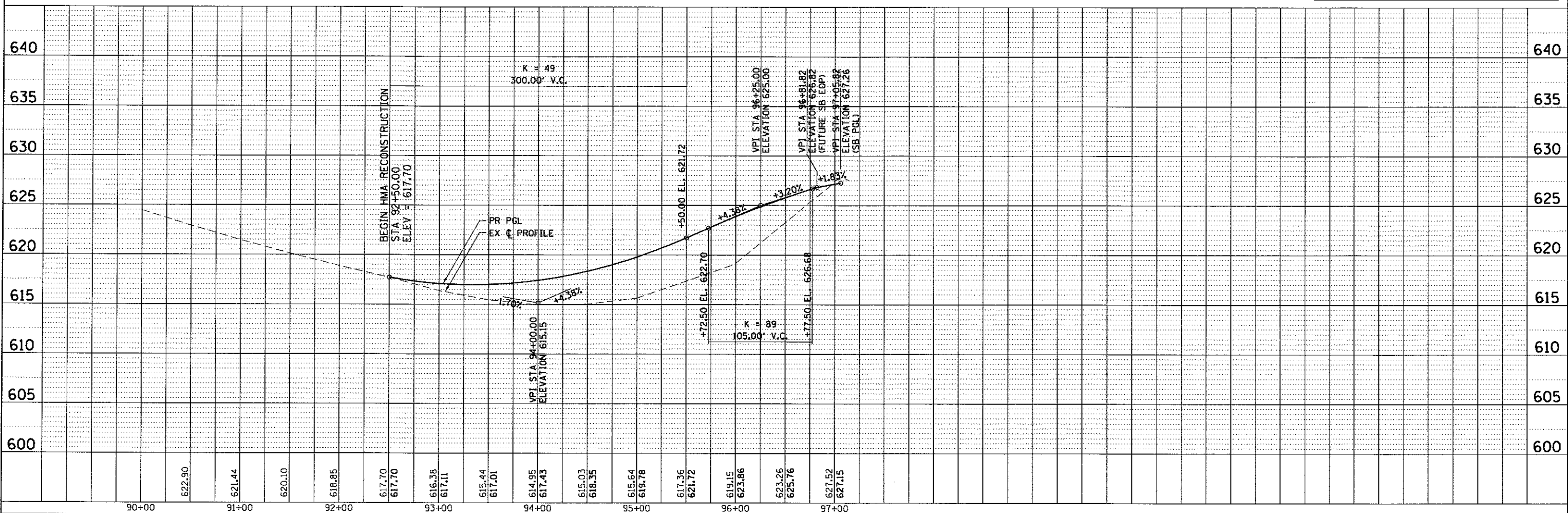
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| PROFILE | DESIGNED | BY | DATE |
| | PLANNED | | |
| | GRANTEE CHECKED | | |
| | BY | | |
| | NO. OF PAGES | | |
| | ADD FILE NAME | | |

HRG PROJECT NO.: 891002P
 HRG PROJ CONTACT: JBA-pp@hr.com
 FILE NAME: 16-00136-00-RP.dwg
 PLOT NUMBER: 16-00136-00-RP.dwg
 PER TABLE:



* INTERSECTION RADII ARE MEASURED TO THE WHITE EDGE LINE. ACTUAL EDGE OF PAVEMENT IS OFFSET 8' FROM THE WHITE EDGE LINE WITHIN LIMITS OF THE RADIUS RETURNS.

| LEGEND | |
|--------|--|
| | EXISTING RIGHT-OF-WAY |
| | EXISTING PROPERTY LINE |
| | EXISTING EASEMENT |
| | PROPOSED RIGHT-OF-WAY |
| | PROPOSED TEMPORARY EASEMENT |
| | PROPOSED PERMANENT EASEMENT |
| | CONSTRUCTION LIMITS |
| | INDICATES AREAS WHERE MEDIAN COMB CC&G IS PITCHED INWARD |

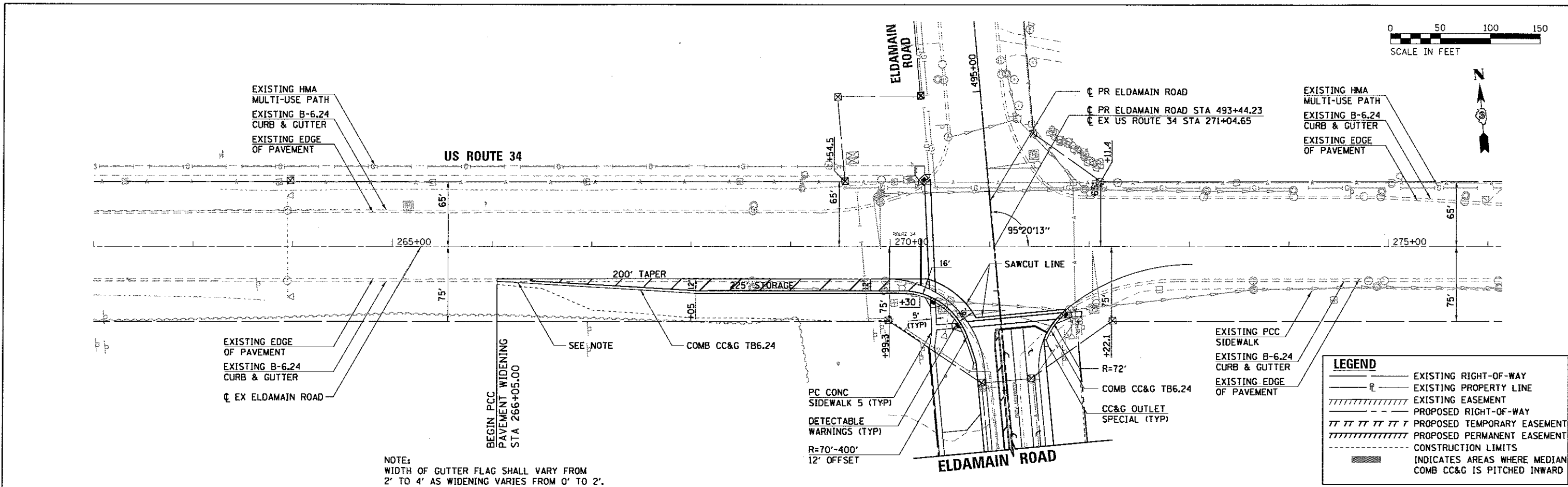


| | | | | | | | | |
|--|--|--|--|--|---|--|---|---|
| HRGreen.com Illinois Professional Design Firm # 184-001822 | USER NAME = rcbst PLOT SCALE = PLOT DATE = 5/15/2017 | DESIGNED - APS DRAWN - RCB CHECKED - DATE - 5/15/17 | REVISED - REVISED - REVISED - REVISED - | KENDALL COUNTY HIGHWAY DEPARTMENT | PLAN AND PROFILE SCHAEFER ROAD | F.A.J. RTE. 4000 SECTION NO. 16-00136-00-RP COUNTY KENDALL TOTAL SHEETS 237 SHEET NO. 44 CONTRACT NO. 87666 | SCALE: SHEET NO. OF SHEETS STA. TO STA. | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |
|--|--|--|--|--|---|--|---|---|

| | |
|-----------|--|
| DATE | |
| BY | |
| PLANNED | |
| DESIGNED | |
| CHECKED | |
| NOTED | |
| FILE NAME | |
| FILE NO. | |

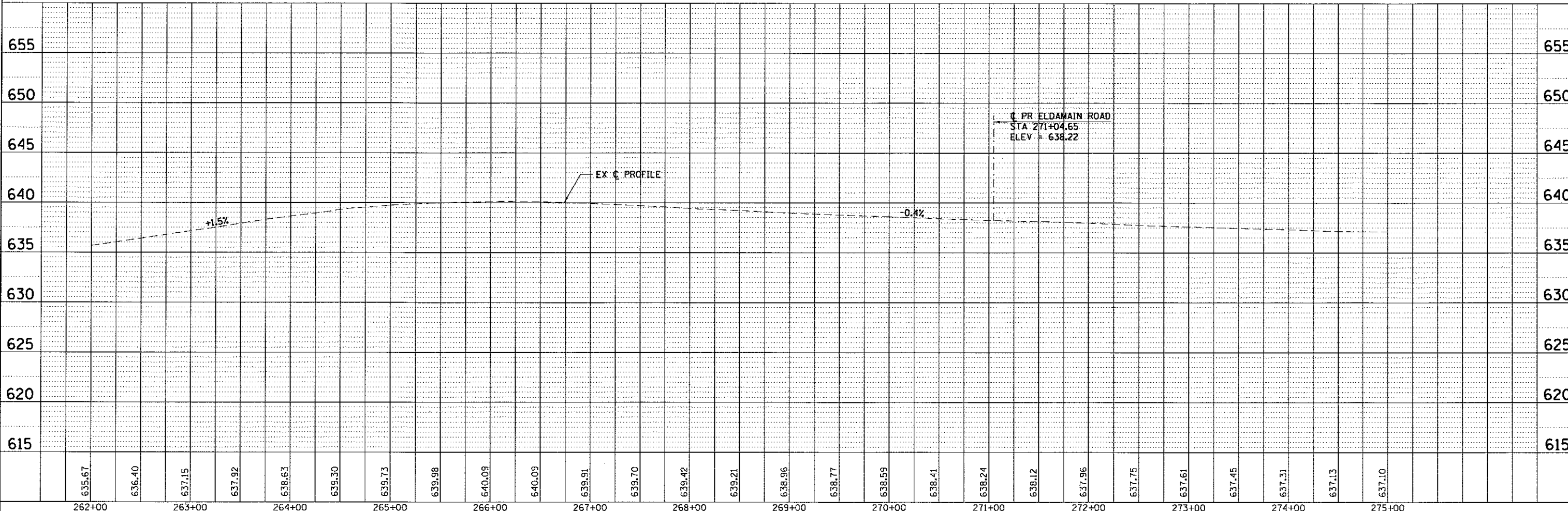
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| DATE | |
| BY | |
| PROFILING | |
| DESIGNED | |
| CHECKED | |
| NOTED | |
| FILE NAME | |
| FILE NO. | |

HRG PROJECT NO. 8870381
 HRG PROJ. CONTACT: 38A.Drilligan
 FILE NAME: E_Prf.dwg
 PLOT DRIVER: plotdwtg
 PEN TABLE:



NOTE:
 WIDTH OF GUTTER FLAG SHALL VARY FROM
 2' TO 4' AS WIDENING VARIES FROM 0' TO 2'.

| LEGEND | |
|--------|--|
| | EXISTING RIGHT-OF-WAY |
| | EXISTING PROPERTY LINE |
| | EXISTING EASEMENT |
| | PROPOSED RIGHT-OF-WAY |
| | PROPOSED TEMPORARY EASEMENT |
| | PROPOSED PERMANENT EASEMENT |
| | CONSTRUCTION LIMITS |
| | INDICATES AREAS WHERE MEDIAN COMB CC&G IS PITCHED INWARD |



| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 262+00 | 263+00 | 264+00 | 265+00 | 266+00 | 267+00 | 268+00 | 269+00 | 270+00 | 271+00 | 272+00 | 273+00 | 274+00 | 275+00 | | | | | | | | | | | | | |
| 635.67 | 636.40 | 637.15 | 637.92 | 638.63 | 639.30 | 639.73 | 639.98 | 640.09 | 640.09 | 639.91 | 639.70 | 639.42 | 639.21 | 638.96 | 638.77 | 638.59 | 638.41 | 638.24 | 638.12 | 637.96 | 637.75 | 637.61 | 637.45 | 637.31 | 637.13 | 637.10 |

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 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 - |

KENDALL COUNTY HIGHWAY DEPARTMENT

| PLAN AND PROFILE | | | |
|------------------|---------------------|--------------|--|
| US ROUTE 34 | | | |
| SCALE: | SHEET NO. OF SHEETS | STA. TO STA. | |

| | | | | |
|---------------------------|----------------------------|----------------|------------------|--------------|
| F.A.U. RTE. 4000 | SECTION NO. 16-00135-00-RP | COUNTY KENDALL | TOTAL SHEETS 237 | SHEET NO. 45 |
| CONTRACT NO. 87666 | | | | |
| ILLINOIS FED. AID PROJECT | | | | |

PRE-STAGE:

ELDAMAIN ROAD:

MAINTAIN EXISTING 2-WAY TRAFFIC USING HIGHWAY STANDARD 701006 DURING CONSTRUCTION OF TEMPORARY ACCESS ROAD (SPECIAL) ON THE EAST SIDE OF ELDAMAIN ROAD FROM STATION 469+40 TO STATION 480+50 AND ALONG THE WEST SIDE OF ELDAMAIN ROAD FROM STATION 469+40 TO STATION 472+35. TEMPORARY ACCESS ROAD ON EAST AND WEST SIDES SHALL EXTEND TO THE EXISTING EDGE OF PAVEMENT OF ELDAMAIN ROAD AT STATION 472+35.

US ROUTE 34:

MAINTAIN EXISTING 2-WAY TRAFFIC USING HIGHWAY STANDARD 701101 DURING CONSTRUCTION OF TEMPORARY SIGNALS AND PERMANENT LIGHTING MODIFICATIONS.

STAGE 1:

ELDAMAIN ROAD:

CLOSE EXISTING ELDAMAIN ROAD BETWEEN RIVER ROAD AND CUMMINS STREET (STATION 480+50). SHIFT LOCAL TRAFFIC TO THE TEMPORARY ACCESS ROADS BETWEEN STATION 469+40 AND STATION 480+50. ACCESS TO THE SUBAT FOREST PRESERVE MUST BE COORDINATED WITH AND MAINTAINED FOR PRESERVE MAINTENANCE VEHICLES ONLY.

CONSTRUCT ENTIRE ROADWAY FROM RIVER ROAD TO STATION 469+40. CONSTRUCT SCHAEFER ROAD AND ROB ROY CREEK BRIDGE. CONSTRUCT SOUTHBOUND LANE, SHOULDER, AND MEDIAN BETWEEN STATION 469+40 AND STATION 480+50. THE CUMMINS STREET INTERSECTION IS TO BE CONSTRUCTED IN STAGE 1A.

RIVER ROAD:

MAINTAIN EXISTING 2-WAY TRAFFIC USING HIGHWAY STANDARDS 701006 AND 701326. SAW CUT EXISTING EDGE OF PAVEMENT WITHIN RESURFACING LIMITS. CONSTRUCT THE PORTIONS OF PROPOSED ROADWAY NORTH OF THE EXISTING ROAD UP TO THE TOP OF THE BINDER COURSE IN ACCORDANCE WITH THE PROPOSED TYPICAL SECTIONS. NO HMA SURFACE COURSE SHALL BE PLACED DURING STAGE 1. CONSTRUCT A WEDGE BETWEEN THE EXISTING AND PROPOSED ROADWAYS WITHIN THE RESURFACING LIMITS.

STAGE 1A:

ELDAMAIN ROAD:

CONSTRUCT ENTIRE ROADWAY FROM STATION 480+50 TO US ROUTE 34. THE ELDAMAIN ROAD CLOSURE BETWEEN CUMMINS STREET AND US ROUTE 34, INCLUDING THE CUMMINS STREET INTERSECTION, IS RESTRICTED TO 90 CONSECUTIVE CALENDAR DAYS. SEE THE SPECIAL PROVISIONS FOR MORE DIRECTION REGARDING THE TIME RESTRICTION.

US ROUTE 34:

INSTALL STAGE 1A TRAFFIC CONTROL AS SHOWN ON THE DRAWINGS. UTILIZE HIGHWAY STANDARD 701602 FOR EASTBOUND US 34. CONSTRUCT RIGHT TURN LANE AND INTERSECTION IMPROVEMENTS FROM STATION 266+00 TO STATION 271+85. INSTALL PERMANENT TRAFFIC SIGNALS. INSTALL PERMANENT PAVEMENT MARKINGS. WORK ON US ROUTE 34 MUST BE COMPLETED AND THE PERMANENT TRAFFIC SCHEME IS TO BE IN PLACE WITHIN THE SAME 90 CONSECUTIVE CALENDAR DAYS AS THE NORTH ELDAMAIN ROAD CLOSURE RESTRICTION. SEE THE SPECIAL PROVISIONS FOR MORE DIRECTION REGARDING THE TIME RESTRICTION.

STAGE 2:

ELDAMAIN ROAD:

MAINTAIN ELDAMAIN ROAD CLOSURE BETWEEN RIVER ROAD AND CUMMINS STREET. SHIFT LOCAL TRAFFIC TO THE NEWLY CONSTRUCTED SOUTHBOUND LANE AND SHOULDER BETWEEN STATION 469+40 AND STATION 480+50 AS SHOWN IN THE MOT TYPICAL SECTIONS. TRAFFIC ALONG NEWLY CONSTRUCTED ELDAMAIN ROAD FROM CUMMINS STREET TO US ROUTE 34 IS TO BE OPENED TO TRAFFIC FOR THE REMAINING DURATION OF THE PROJECT.

CONTINUE CONSTRUCTION FROM RIVER ROAD TO STATION 469+40. COMPLETE DRAINAGE, PAVEMENT MARKING, LANDSCAPING, AND LIGHTING WORK. COMPLETE CONSTRUCTION ON SCHAEFER ROAD AND ROB ROY CREEK BRIDGE. CONSTRUCT NORTHBOUND LANE, SHOULDER, AND FORESLOPE/DITCH BETWEEN STATION 469+40 AND STATION 480+50. REMOVE TEMPORARY ACCESS ROAD (SPECIAL) ON EAST SIDE OF ELDAMAIN ROAD.

RIVER ROAD:

SHIFT TRAFFIC NORTH TO NEWLY CONSTRUCTED PAVEMENT. REMOVE EXISTING PAVEMENT IN RECONSTRUCTION LIMITS AND CONSTRUCT NEW PAVEMENT UP TO THE TOP OF THE BINDER COURSE IN ACCORDANCE WITH THE PROPOSED TYPICAL SECTIONS.

UTILIZE DAYTIME LANE CLOSURES USING HIGHWAY STANDARD 701306 FOR HMA SURFACE REMOVAL AND TO CONSTRUCT THE LEVELING BINDER WITHIN RESURFACING LIMITS. MAINTAIN A MAXIMUM DROPOFF OF 2" FOR CROSSOVER TRAFFIC. NO HMA SURFACE COURSE SHALL BE PLACED DURING STAGE 1.

STAGE 3:

ELDAMAIN ROAD:

OPEN ELDAMAIN ROAD TO TRAFFIC.

RIVER ROAD:

PLACE THE HMA SURFACE COURSE ON RIVER ROAD IN ITS ENTIRETY USING HIGHWAY STANDARD 701306.

POST STAGE:

ELDAMAIN ROAD:

REMOVE TEMPORARY DRIVEWAY ON WEST SIDE OF ELDAMAIN ROAD BETWEEN STATION 469+40 AND 472+35 AND CONSTRUCT WEST FORESLOPE/DITCH. COMPLETE REMAINING DRAINAGE AND LANDSCAPING WORK.

RIVER ROAD:

INSTALL PERMANENT PAVEMENT MARKINGS AND INSTALL FINAL LANDSCAPING.

GENERAL NOTES:

- ALL TEMPORARY LANES SHALL MAINTAIN AN 11-FT MINIMUM WIDTH, UNLESS OTHERWISE NOTED.
- BARRICADES/DRUMS USED DURING CONSTRUCTION SHALL BE PLACED 20 FT. APART ALONG ALL TAPERS AND RADII, AND 50 FT APART ALONG ALL TANGENTS.
- ALL UNDERGROUND UTILITY WORK SHALL BE COORDINATED WITH THE SUGGESTED MAINTENANCE OF TRAFFIC.
- CONSTRUCTION AREAS SHALL BE DEFINED IN COORDINATION WITH PAVEMENT JOINT LOCATIONS.
- ALL DRIVEWAYS SHALL BE CONSTRUCTED IN HALVES TO MAINTAIN ACCESS AT ALL TIMES UNLESS OTHERWISE NOTED OR DIRECTED BY THE ENGINEER.
- SAW CUTTING OF THE EXISTING PAVEMENT FOR SUBSEQUENT STAGE CONSTRUCTION SHALL BE INCLUDED IN THE COST OF PAVEMENT REMOVAL.
- ALL TEMPORARY PAVEMENT MARKINGS IN CONFLICT OR NO LONGER NEEDED MUST BE REMOVED BEFORE STARTING THE NEW TRAFFIC CONFIGURATION FOR THE NEXT MOT STAGE.
- POSITIVE (+) OFFSETS DENOTE TO THE RIGHT OF THE ALIGNMENT. NEGATIVE (-) OFFSETS DENOTE TO THE LEFT OF THE ALIGNMENT.
- MAINTENANCE OF TRAFFIC PLAN SHOWN IS SUGGESTED.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL PROPERTIES AND SIDE ROADS DURING CONSTRUCTION OPERATIONS UNLESS SHOWN OTHERWISE IN THE DRAWINGS. QUANTITIES FOR "TEMPORARY ACCESS ROAD (SPECIAL)", "TEMPORARY ACCESS (PRIVATE ENTRANCE)", "TEMPORARY ACCESS (COMMERCIAL ENTRANCE)", AND "TEMPORARY ACCESS (FIELD ENTRANCE)" HAVE BEEN INCLUDED IN THE CONTRACT.
- THE CONTRACTOR SHALL NOTIFY ALL LOCAL AGENCIES, EMERGENCY SERVICES AND SCHOOL DISTRICTS THAT WILL BE AFFECTED BY ANY ROAD CLOSURES A MINIMUM OF 72 HOURS PRIOR TO THEIR IMPLEMENTATION.
- DETOUR SIGNING SHALL HAVE BLACK LETTERS WITH 5" MIN. HEIGHT ON FLUORESCENT ORANGE SHEETING.
- THE CONTRACTOR SHALL CONTACT THE KENDALL COUNTY ENGINEER AT 630-553-7616 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- TEMPORARY PAVEMENT MARKING TAPE, TYPE III, SHALL BE USED ON ALL PERMANENT SURFACES.
- ALL TRAFFIC SIGNS, STREET SIGNS, ETC., THAT INTERFERE WITH THE CONSTRUCTION OPERATIONS SHALL BE REMOVED AND PLACED AT NEW LOCATIONS AS DESIGNATED BY THE ENGINEER. IN ADDITION, ALL MAIL BOXES THAT INTERFERE WITH CONSTRUCTION SHALL BE SIMILARLY RELOCATED WITH NO ADDITIONAL COMPENSATION ALLOWED.
- ALL DETOUR SIGNS MUST HAVE THEIR OWN SIGN SUPPORTS.
- THE CHANGEABLE MESSAGE SIGNS SHALL BE AT LOCATIONS AS DETERMINED BY THE ENGINEER. THE MESSAGE DISPLAYED SHALL BE AS DIRECTED BY THE ENGINEER.

LEGEND

- ① 4-IN. SOLID WHITE LINE
- ② 4-IN. SOLID YELLOW LINE (DOUBLE)
- ③ 8-IN. SOLID WHITE LINE
- ④ 8-IN. SOLID YELLOW LINE
- ⑤ 8-IN. DOTTED WHITE LINE (2-FT. / 6-FT.)
- ⑥ 12-IN. SOLID YELLOW LINE (DIAGONAL)
- DRUMS OR BARRICADES WITH STEADY BURN LIGHT PER ARTICLE 701.16. PLACED AT 50' C-C ON TANGENTS AND 20' C-C ON TAPERS AND RADII.
- ↑ ARROW BOARD
- ↓ SIGN (SHOWN FACING LEFT)
- TT TYPE III BARRICADE WITH TWO FLASHING LIGHTS
- ⇨ DIRECTION OF TRAFFIC INDICATORS
- ⦿ MONO-DIRECTIONAL FLASHING BEACON
- ▨ CONSTRUCTION AREA - INCLUDING COMPLETE PAVEMENT STRUCTURE, ACCORDING TO TYPICAL CROSS SECTIONS, UNLESS OTHERWISE NOTED. CONSTRUCTION SHALL BE EXTENDED TO CONCRETE JOINTS.

KENDALL COUNTY HIGHWAY DEPARTMENT

SUGGESTED MAINTENANCE OF TRAFFIC
GENERAL NOTES

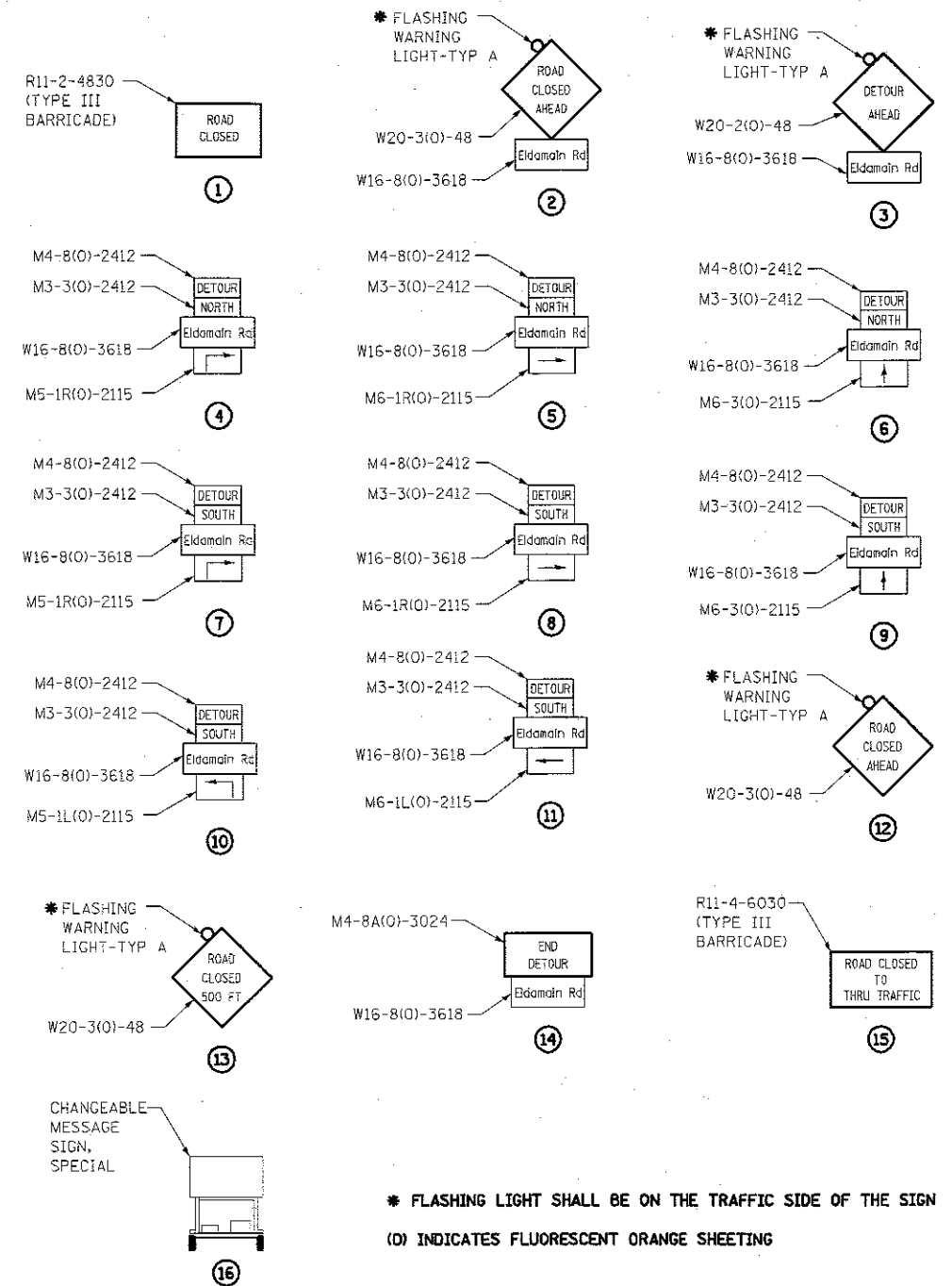
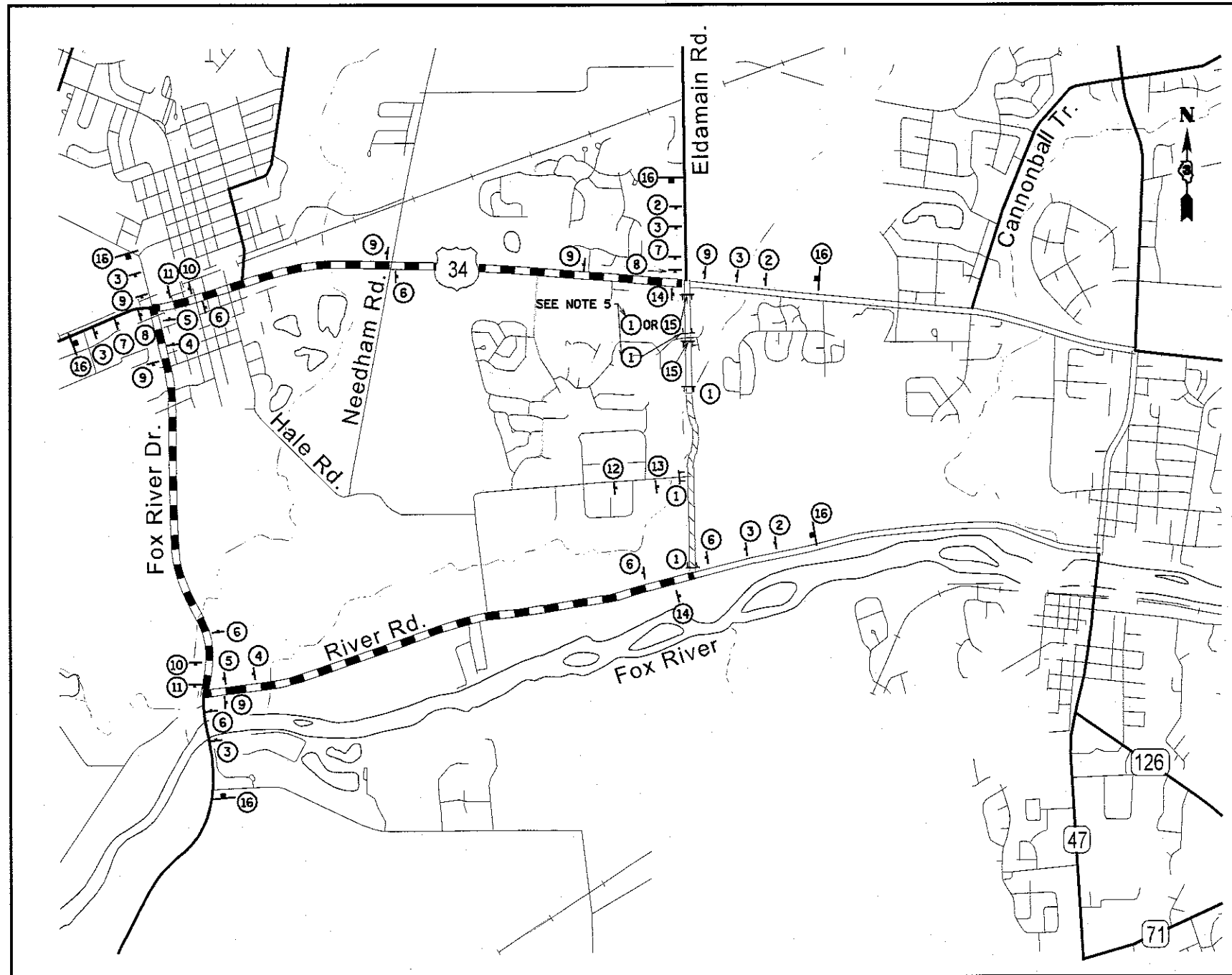
SCALE: SHEET NO. OF SHEETS STA. TO STA.

| | | | | |
|--------------------|----------------|---------|--------------|-----------|
| F.A.U. RTE. | SECTION NO. | COUNTY | TOTAL SHEETS | SHEET NO. |
| 4000 | 16-00136-00-RP | KENDALL | 237 | 46 |
| CONTRACT NO. 87666 | | | | |

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

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

| | | |
|-----------------------------|----------------|-----------|
| USER NAME = dennisw | DESIGNED - MAG | REVISED - |
| | DRAWN - DJW | REVISED - |
| PLOT SCALE = 5.0000' / 1" = | CHECKED - BMA | REVISED - |
| PLOT DATE = 5/15/2017 | DATE - 5/15/17 | REVISED - |



* FLASHING LIGHT SHALL BE ON THE TRAFFIC SIDE OF THE SIGN
(0) INDICATES FLUORESCENT ORANGE SHEETING

LEGEND:

- ↑ SIGN
- ⌄ TYPE III BARRICADES WITH TWO FLASHING LIGHTS
- ⌄ CHANGEABLE MESSAGE SIGN, SPECIAL
- PROPOSED ELDAMAIN ROAD DETOUR
- ROAD CLOSED

DETOUR - GENERAL NOTES

1. THE ENGINEER, KENDALL COUNTY HIGHWAY DEPARTMENT, THE CITY OF YORKVILLE, THE CITY OF PLANO, AND THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE NOTIFIED IN WRITING A MINIMUM OF 72 HOURS PRIOR TO THE DAY THE DETOUR IS TO BE IN EFFECT. THESE PARTIES SHALL ALSO BE NOTIFIED A MINIMUM OF 24 HOURS PRIOR TO THE DETOUR BEING REMOVED AND ELDAMAIN ROAD AND RIVER ROAD BEING OPENED TO NORMAL TRAFFIC OPERATIONS.
2. THE LOCATIONS OF ALL SIGNS SHOWN ON THE DETOUR PLAN ARE APPROXIMATE. THE CONTRACTOR SHALL ADJUST LOCATIONS TO FIT FIELD CONDITIONS. FINAL LOCATIONS SHALL BE APPROVED BY THE ENGINEER.
3. EXISTING TRAFFIC SIGNS CONFLICTING WITH THE DETOUR SIGNAGE SHALL BE TEMPORARILY REMOVED OR COVERED AS DIRECTED BY THE ENGINEER.
4. ALL DETOUR SIGNS SHALL BE NEW OR IN LIKE-NEW CONDITION. THE ENGINEER SHALL DETERMINE IF THE CONDITION OF THE SIGNS IS SATISFACTORY.

5. "ROAD CLOSED" SIGN AT STATION 492+50 ONLY TO BE UTILIZED DURING 90 DAY CLOSURE OF NORTH PORTION OF ELDAMAIN ROAD. "ROAD CLOSED TO THRU TRAFFIC" SIGN TO BE USED FOR REMAINING DURATION OF ELDAMAIN ROAD CLOSURE.
6. ALL DETOUR SIGNS MUST HAVE THEIR OWN SIGN SUPPORTS.

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

USER NAME = ScottG
DESIGNED - MAG
DRAWN - DJW
CHECKED - BMA
DATE - 5/15/17
PLOT SCALE = 1:8000 / in.
PLOT DATE = 6/28/2017

DESIGNED - MAG
DRAWN - DJW
CHECKED - BMA
DATE - 5/15/17

REVISED -
REVISED -
REVISED -
REVISED -

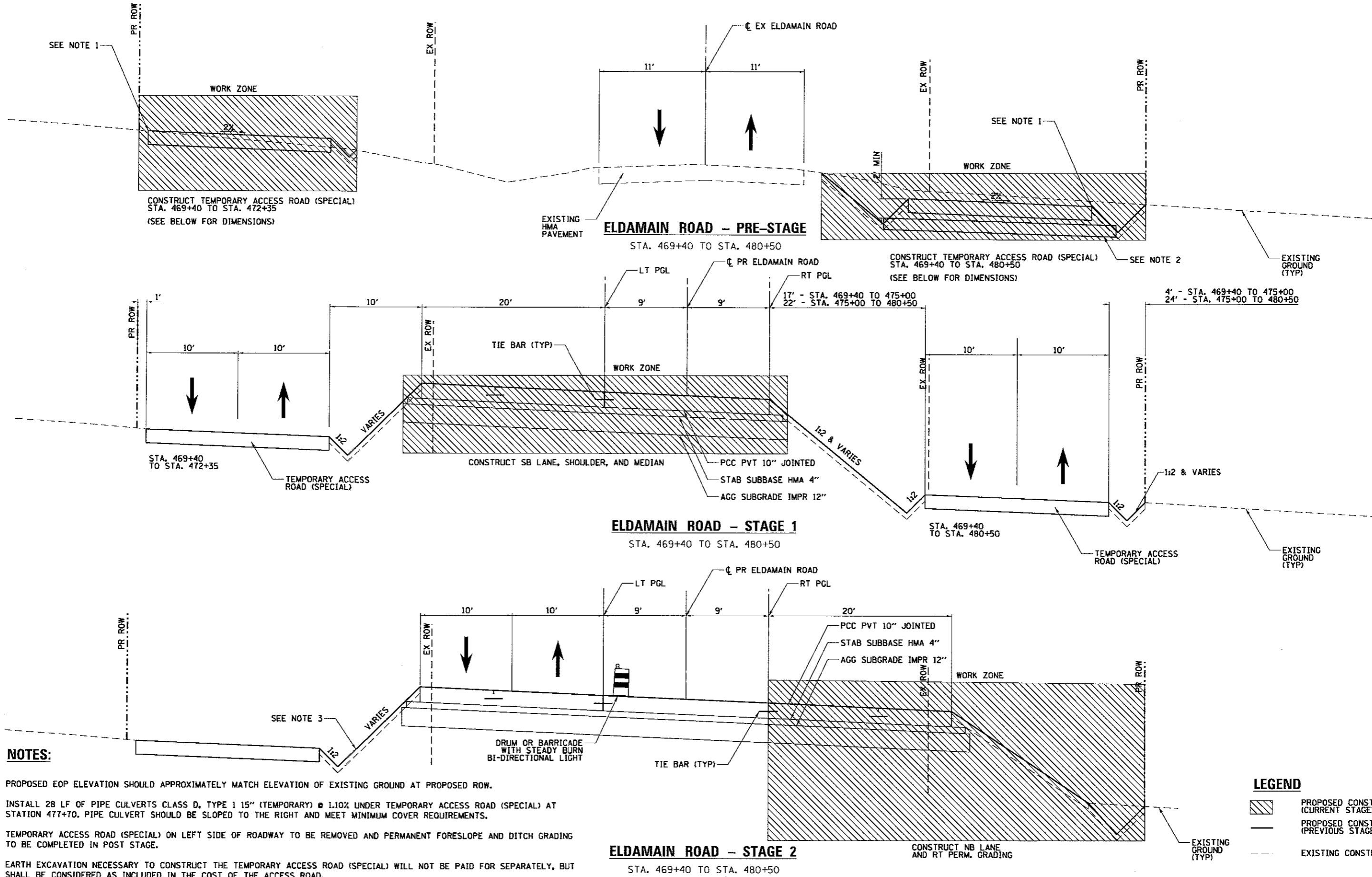
KENDALL COUNTY HIGHWAY DEPARTMENT

**SUGGESTED MAINTENANCE OF TRAFFIC
DETOUR PLAN**

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 | 47 |
| CONTRACT NO. 87666 | | | | |

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

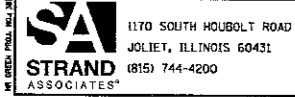


NOTES:

1. PROPOSED EOP ELEVATION SHOULD APPROXIMATELY MATCH ELEVATION OF EXISTING GROUND AT PROPOSED ROW.
2. INSTALL 28 LF OF PIPE CULVERTS CLASS D, TYPE 1 15" (TEMPORARY) @ 1.10% UNDER TEMPORARY ACCESS ROAD (SPECIAL) AT STATION 477+70. PIPE CULVERT SHOULD BE SLOPED TO THE RIGHT AND MEET MINIMUM COVER REQUIREMENTS.
3. TEMPORARY ACCESS ROAD (SPECIAL) ON LEFT SIDE OF ROADWAY TO BE REMOVED AND PERMANENT FORESLOPE AND DITCH GRADING TO BE COMPLETED IN POST STAGE.
4. EARTH EXCAVATION NECESSARY TO CONSTRUCT THE TEMPORARY ACCESS ROAD (SPECIAL) WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE ACCESS ROAD.

LEGEND

- PROPOSED CONSTRUCTION (CURRENT STAGE)
- PROPOSED CONSTRUCTION (PREVIOUS STAGE)
- EXISTING CONSTRUCTION

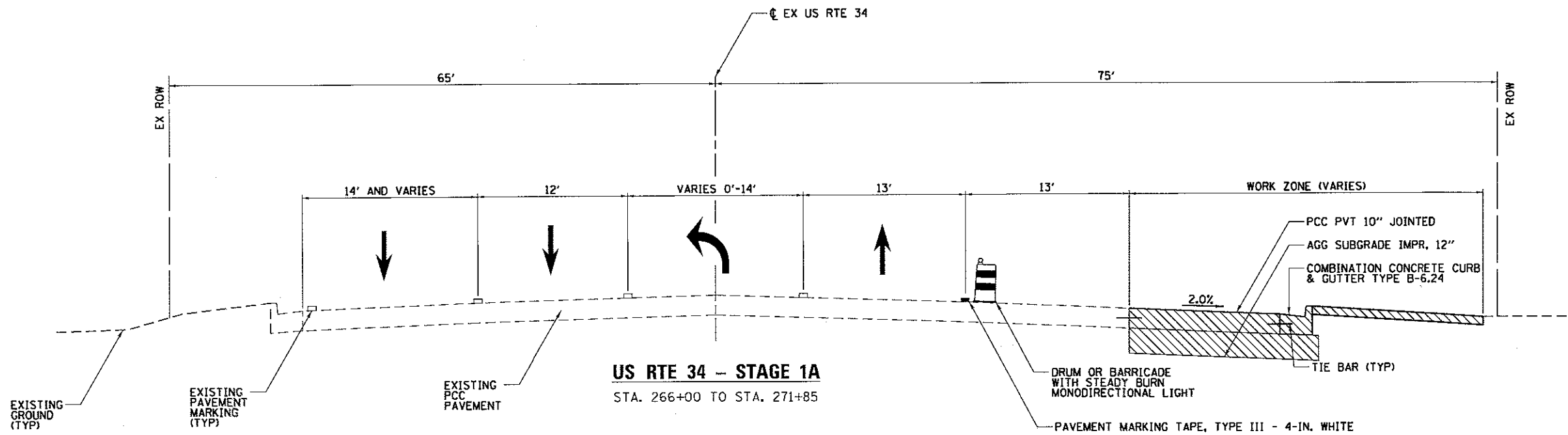


| | | |
|----------------------------|----------------|-----------|
| USER NAME = StevanB | DESIGNED - MAG | REVISED - |
| PLOT SCALE = 5.0000' / in. | DRAWN - DJW | REVISED - |
| PLOT DATE = 5/16/2017 | CHECKED - BMA | REVISED - |
| | DATE - 5/15/17 | REVISED - |

KENDALL COUNTY HIGHWAY DEPARTMENT

| | | | |
|---|---------------------|--------------|--|
| SUGGESTED MAINTENANCE OF TRAFFIC | | | |
| TYPICAL SECTIONS | | | |
| SCALE: | SHEET NO. OF SHEETS | STA. TO STA. | |

| | | | | |
|---|----------------|---------|--------------------|-----------|
| F.A.J. RTE. | SECTION NO. | COUNTY | TOTAL SHEETS | SHEET NO. |
| 4000 | 16-00136-00-RP | KENDALL | 237 | 48 |
| FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 87666 | |



US RTE 34 - STAGE 1A
 STA. 266+00 TO STA. 271+85

LEGEND

 PROPOSED CONSTRUCTION (CURRENT STAGE)

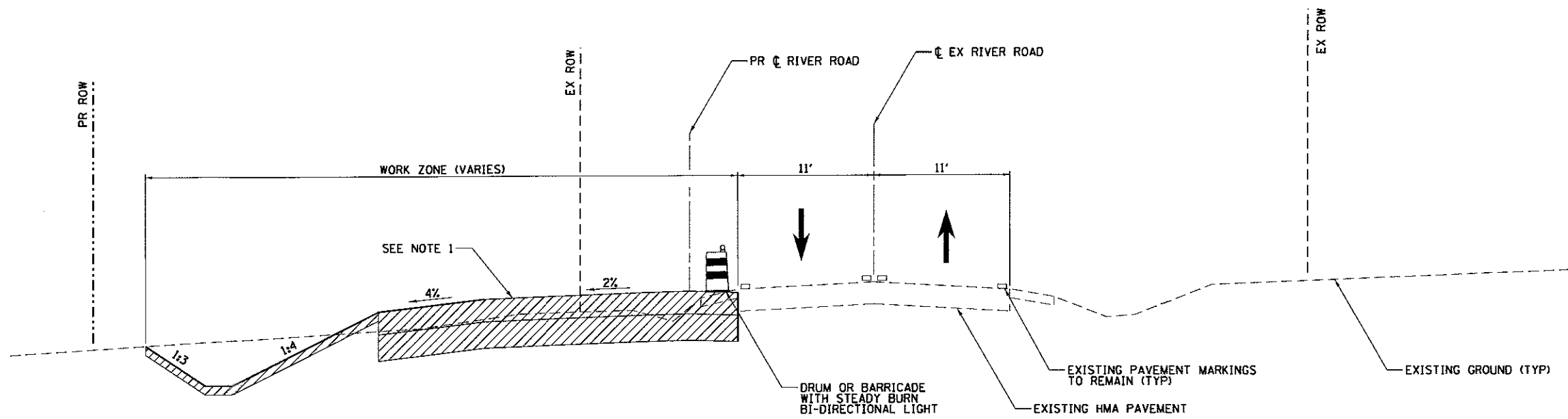
SA STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JULIET, ILLINOIS 60431
 (815) 744-4200

| | | |
|-----------------------------|----------------|-----------|
| USER NAME = darrinw | DESIGNED - MAG | REVISED - |
| | DRAWN - DJW | REVISED - |
| PLOT SCALE = 5,0000' / 1" = | CHECKED - BMA | REVISED - |
| PLOT DATE = 5/15/2017 | DATE - 5/15/17 | REVISED - |

KENDALL COUNTY HIGHWAY DEPARTMENT

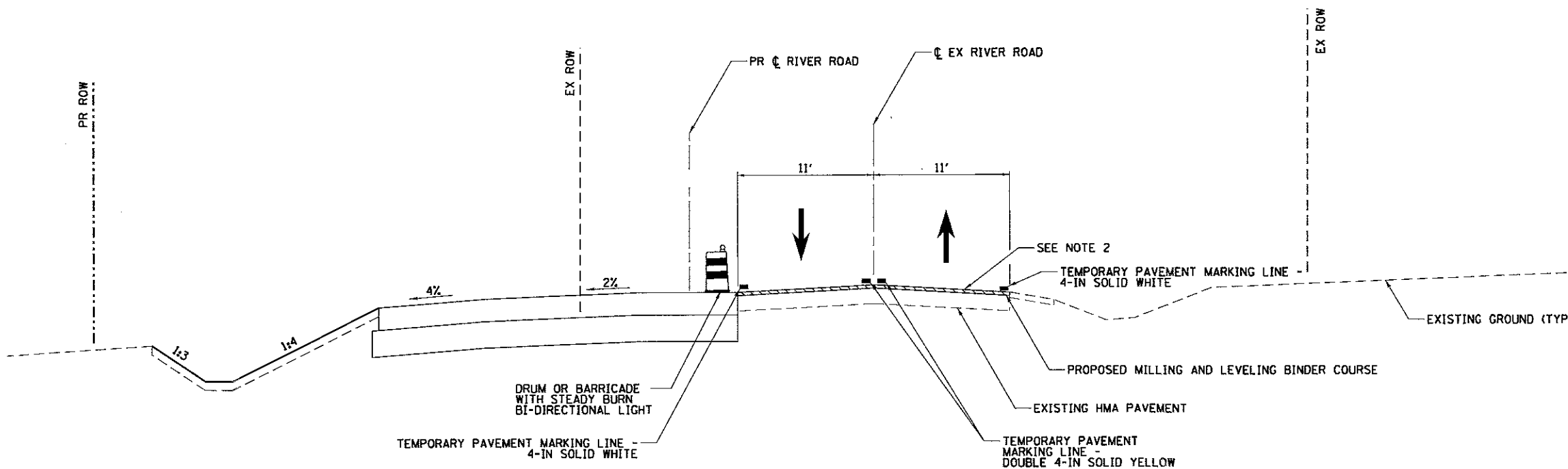
| SUGGESTED MAINTENANCE OF TRAFFIC TYPICAL SECTIONS | | | |
|---|-----------|-----------|--------------|
| SCALE: | SHEET NO. | OF SHEETS | STA. TO STA. |

| F.A.U. RTE. | SECTION NO. | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------------|---------|--------------|-----------|
| 4000 | 16-00136-00-RP | KENDALL | 237 | 49 |
| CONTRACT NO. 87666 | | | | |
| FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT | | | | |



RIVER ROAD - STAGE 1

STA. 602+00 TO STA. 632+14.09



RIVER ROAD - STAGE 2 (RESURFACING AREAS ONLY)

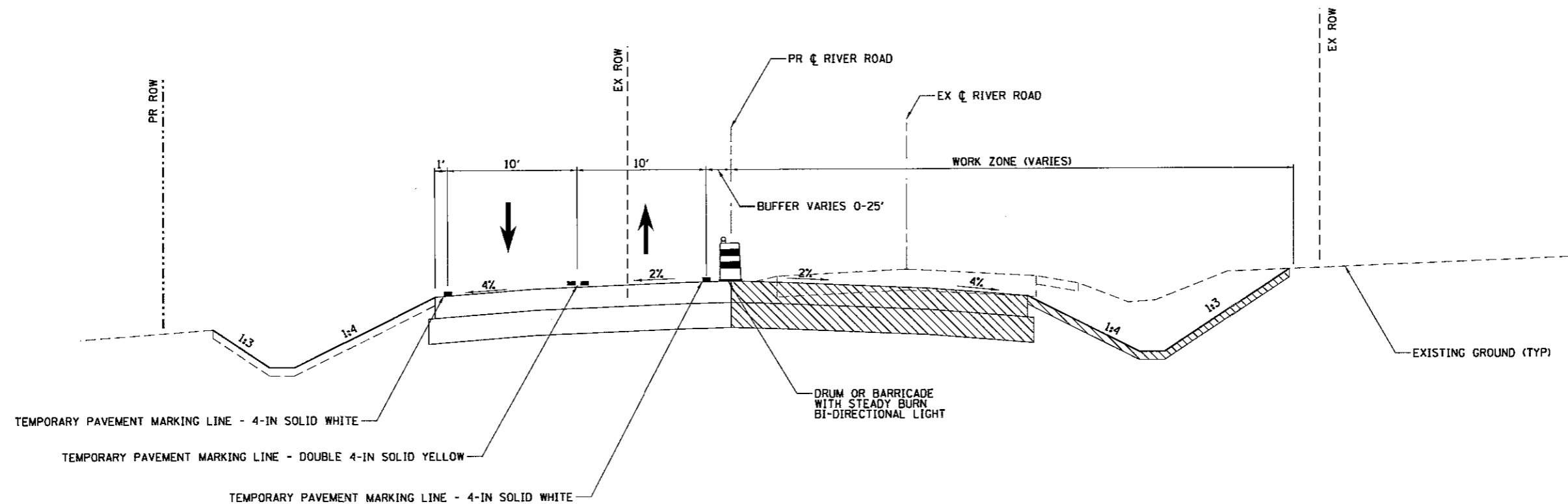
STA. 602+00 TO STA. 608+00
STA. 627+90 TO STA. 632+14.09

NOTES:

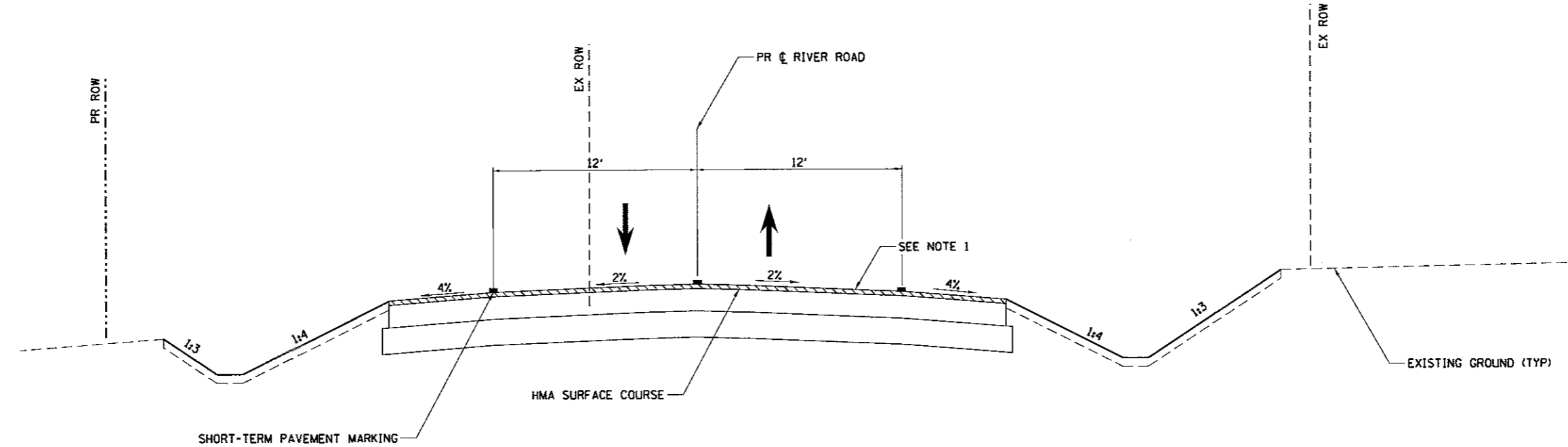
1. STAGE 1 TO BE CONSTRUCTED UTILIZING HIGHWAY STANDARDS 701006 AND 701326.
2. STAGE 2 TO BE CONSTRUCTED UTILIZING HIGHWAY STANDARD 701306.

LEGEND

PROPOSED CONSTRUCTION (CURRENT STAGE)




RIVER ROAD - STAGE 2 (RECONSTRUCTION AREA)
 STA. 608+00 TO STA. 627+90



RIVER ROAD - STAGE 3
 STA. 602+00 TO STA. 618+85.47
 STA. 622+81.60 TO STA. 632+14.09

NOTES:
 1. STAGE 3 TO BE CONSTRUCTED UTILIZING HIGHWAY STANDARD 701306.

LEGEND
 PROPOSED CONSTRUCTION (CURRENT STAGE)

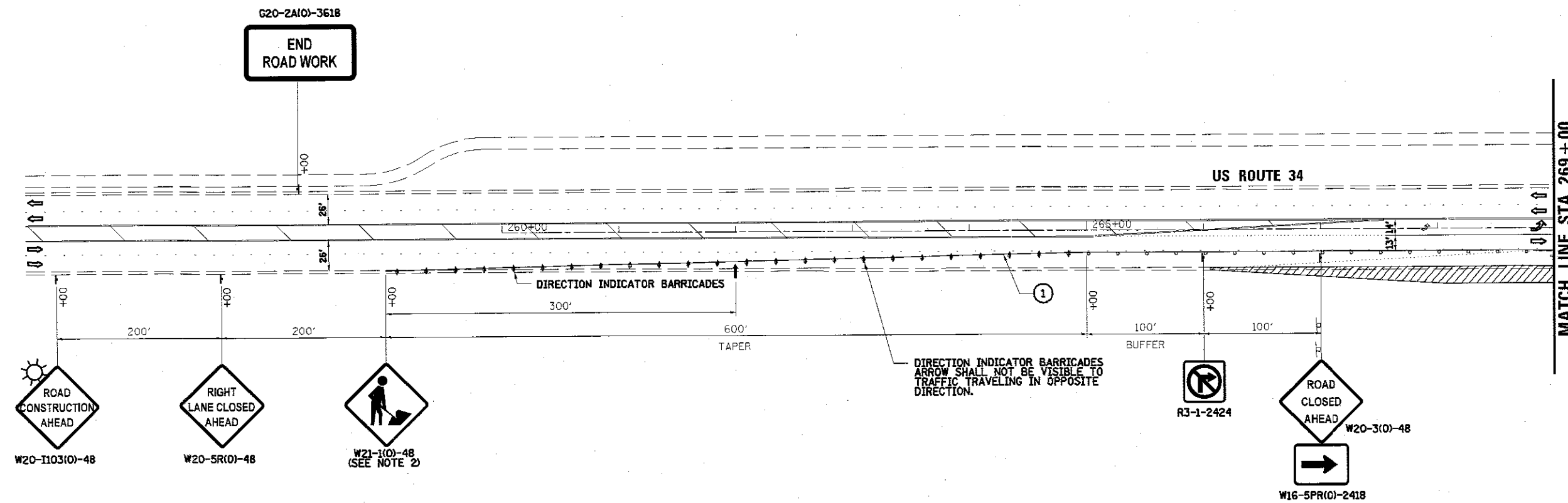
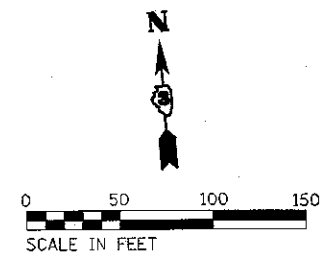
| | | |
|------------------------------|----------------|-----------|
| USER NAME = dennisw | DESIGNED - MAG | REVISED - |
| PLLOT SCALE = 5.0000' / 1" = | DRAWN - DJW | REVISED - |
| PLLOT DATE = 5/15/2017 | CHECKED - BMA | REVISED - |
| | DATE - 5/15/17 | REVISED - |

KENDALL COUNTY HIGHWAY DEPARTMENT

| SUGGESTED MAINTENANCE OF TRAFFIC | | | |
|----------------------------------|-----------|-----------|--------------|
| TYPICAL SECTIONS | | | |
| 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 | 51 |
| FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT | | | | |

CONTRACT NO. 87666



NOTES
 1. ALL TEMPORARY TURN LANE TRANSITION AND STORAGE LENGTHS SHALL REMAIN EQUAL TO EXISTING LENGTHS, AT A MINIMUM.
 2. TEMPORARY WORKERS SIGNS SHALL NOT BE POST MOUNTED.

- LEGEND**
- ① 4-IN. SOLID WHITE LINE
 - ② 4-IN. SOLID YELLOW LINE (DOUBLE)
 - ③ 8-IN. SOLID WHITE LINE
 - ④ 8-IN. SOLID YELLOW LINE
 - ⑤ 8-IN. DOTTED WHITE LINE (2-FT. / 6-FT.)
 - ⑥ 12-IN. SOLID YELLOW LINE (DIAGONAL)
- DRUMS OR BARRICADES WITH STEADY BURN LIGHT PER ARTICLE 701.16, PLACED AT 50' C-C ON TANGENTS AND 20' C-C ON TAPERS AND RADII.
 - ↑ ARROW BOARD
 - † SIGN (SHOWN FACING LEFT)
 - TT TYPE III BARRICADE WITH TWO FLASHING LIGHTS
 - ⇒ DIRECTION OF TRAFFIC INDICATORS
 - ☀ MONO-DIRECTIONAL FLASHING BEACON
 - ▨ CONSTRUCTION AREA - INCLUDING COMPLETE PAVEMENT STRUCTURE, ACCORDING TO TYPICAL CROSS SECTIONS, UNLESS OTHERWISE NOTED, CONSTRUCTION SHALL BE EXTENDED TO CONCRETE JOINTS.

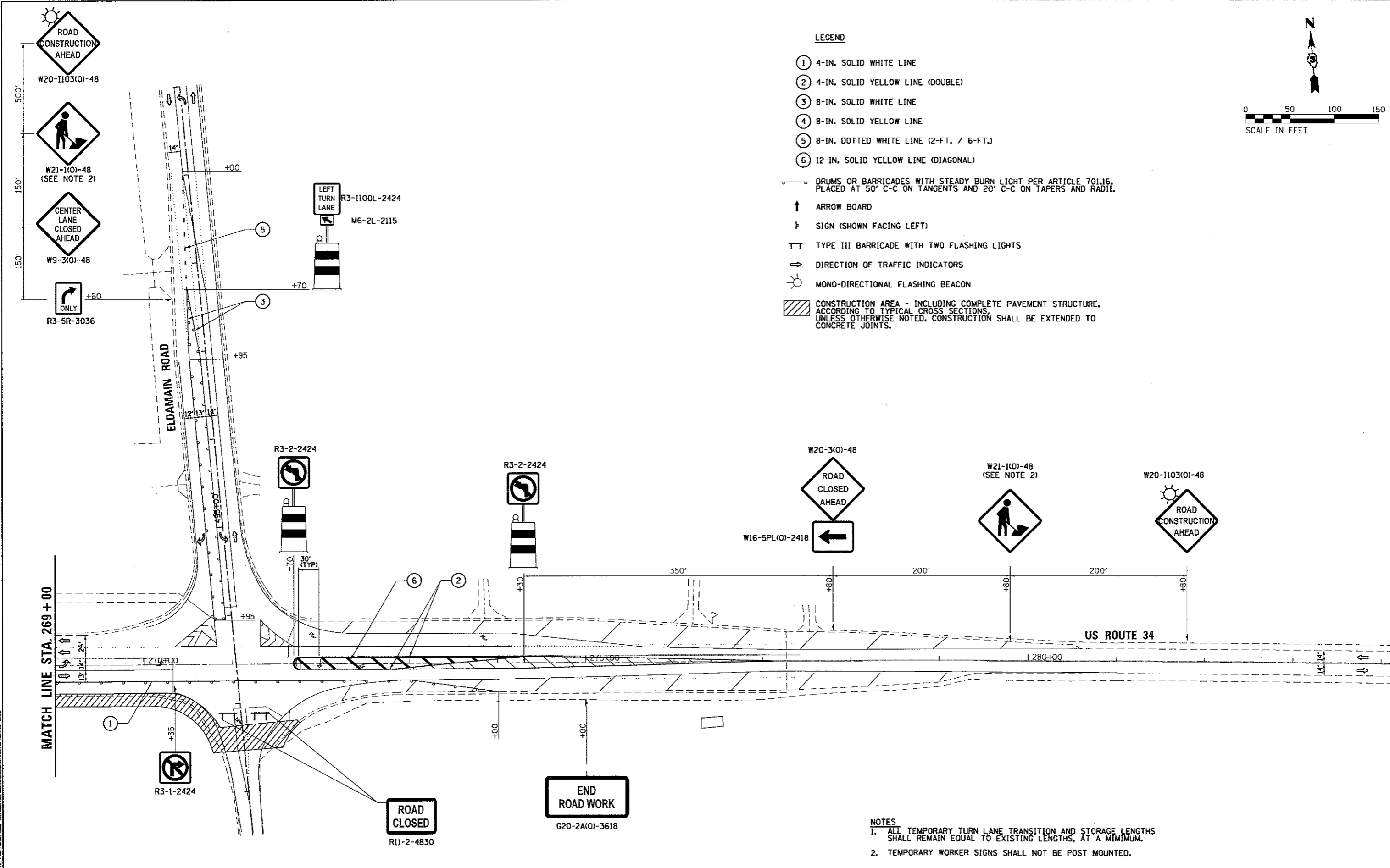


| | | |
|--------------------|----------------|-----------|
| USER NAME = SoortG | DESIGNED - MAG | REVISED - |
| DRAWN - DJW | REVISÉD - | |
| CHECKED - BMA | REVISÉD - | |
| DATE - 5/15/17 | REVISÉD - | |

KENDALL COUNTY HIGHWAY DEPARTMENT

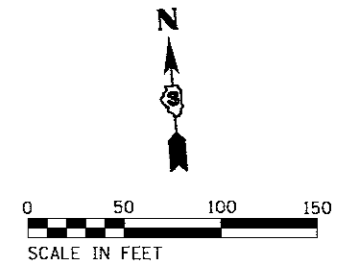
SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 1A
US ROUTE 34
 SCALE: 1" = 50' SHEET NO. 1 OF 2 SHEETS STA. 260+00 TO STA. 269+00

| F.A.U. RTE. | SECTION NO. | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|---------|--------------|-----------|
| 4000 | 16-00136-00-RP | KENDALL | 237 | 52 |
| CONTRACT NO. 87666 | | | | |



LEGEND

- ① 4-IN. SOLID WHITE LINE
 - ② 4-IN. SOLID YELLOW LINE (DOUBLE)
 - ③ 8-IN. SOLID WHITE LINE
 - ④ 8-IN. SOLID YELLOW LINE
 - ⑤ 8-IN. DOTTED WHITE LINE (2-FT. / 6-FT.)
 - ⑥ 12-IN. SOLID YELLOW LINE (DIAGONAL)
- DRUMS OR BARRICADES WITH STEADY BURN LIGHT PER ARTICLE 701.16, PLACED AT 50' C-C ON TANGENTS AND 20' C-C ON TAPERS AND RADII.
 - ↑ ARROW BOARD
 - † SIGN (SHOWN FACING LEFT)
 - TT TYPE III BARRICADE WITH TWO FLASHING LIGHTS
 - ⇨ DIRECTION OF TRAFFIC INDICATORS
 - ☀ MONO-DIRECTIONAL FLASHING BEACON
 - ▨ CONSTRUCTION AREA - INCLUDING COMPLETE PAVEMENT STRUCTURE, ACCORDING TO TYPICAL CROSS SECTIONS, UNLESS OTHERWISE NOTED, CONSTRUCTION SHALL BE EXTENDED TO CONCRETE JOINTS.



NOTES

1. ALL TEMPORARY TURN LANE TRANSITION AND STORAGE LENGTHS SHALL REMAIN EQUAL TO EXISTING LENGTHS, AT A MINIMUM.
2. TEMPORARY WORKER SIGNS SHALL NOT BE POST MOUNTED.

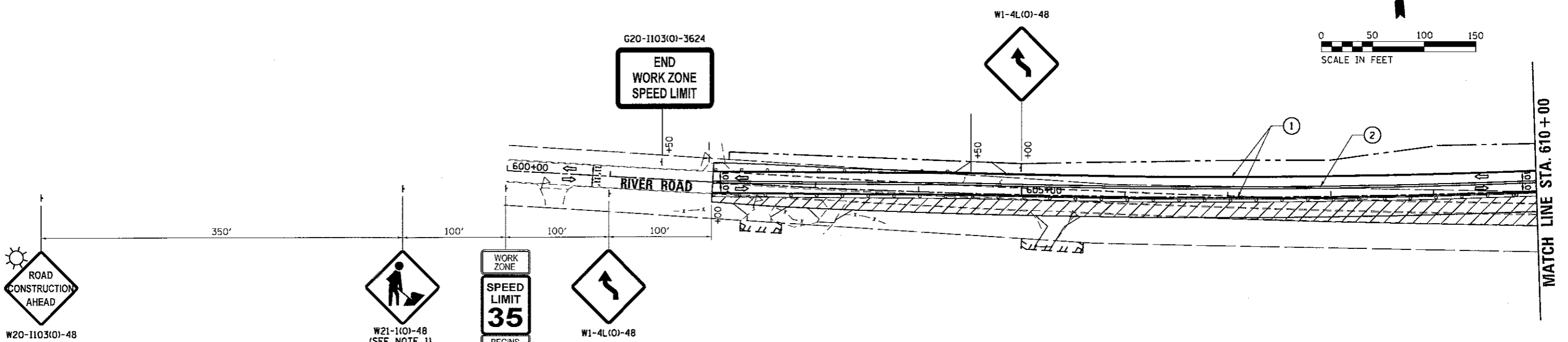
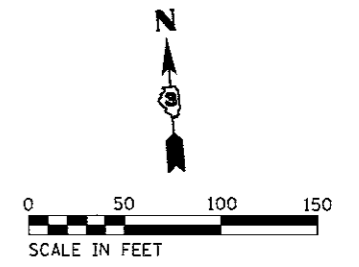
SA
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
(815) 744-4200
STRAND ASSOCIATES

| | | |
|------------------------------|----------------|-----------|
| USER NAME = dennisw | 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

SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 1A
US ROUTE 34
SCALE: 1" = 50' SHEET NO. 2 OF 2 SHEETS STA. 269+00 TO STA. 284+00

| | | | | |
|---|----------------|---------|--------------|-----------|
| F.A.U. RTE. | SECTION NO. | COUNTY | TOTAL SHEETS | SHEET NO. |
| 4000 | 16-00136-00-RP | KENDALL | 237 | 53 |
| CONTRACT NO. 87666 | | | | |
| FED. ROAD DIST. NO. 3 [ILLINOIS] FED. AID PROJECT | | | | |



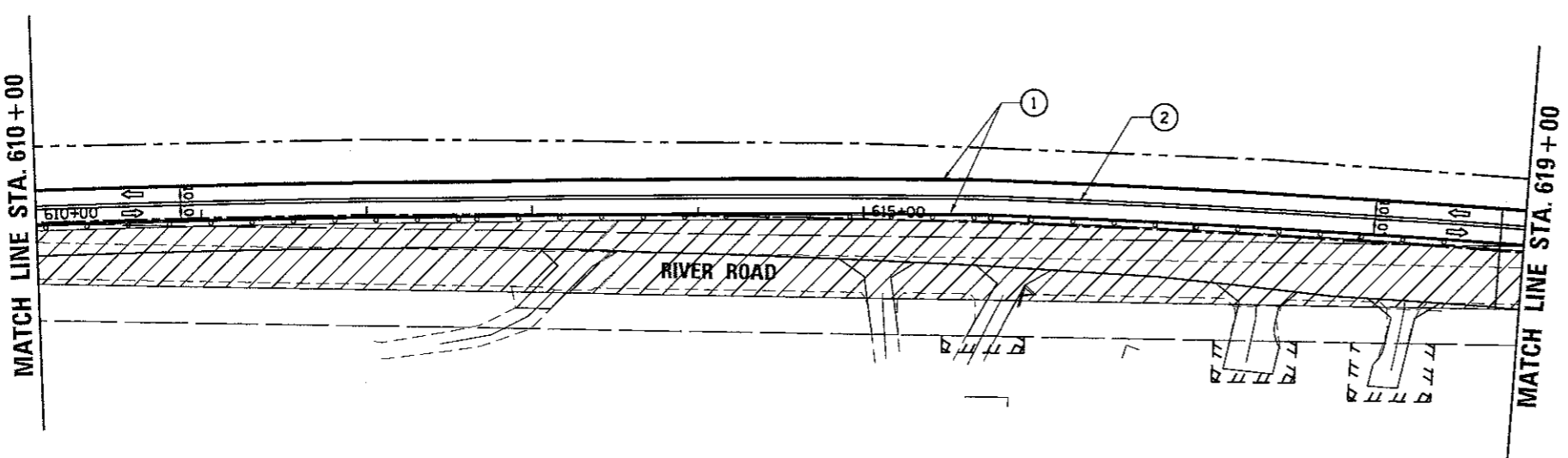
W20-1103(O)-48

W21-1103(O)-48
(SEE NOTE 1)

W21-1115(O)-3618
R2-1-3648
W21-1113-3612
R10-1108p-3618
R2-1106-3618

NOTES

1. TEMPORARY WORKERS SIGNS SHALL NOT BE POST MOUNTED.



- LEGEND**
- ① 4-IN. SOLID WHITE LINE
 - ② 4-IN. SOLID YELLOW LINE (DOUBLE)
 - ③ 8-IN. SOLID WHITE LINE
 - ④ 8-IN. SOLID YELLOW LINE
 - ⑤ 8-IN. DOTTED WHITE LINE (2-FT. / 6-FT.)
 - ⑥ 12-IN. SOLID YELLOW LINE (DIAGONAL)
 - ⊥ DRUMS OR BARRICADES WITH STEADY BURN LIGHT PER ARTICLE 701.16, PLACED AT 50' C-C ON TANGENTS AND 20' C-C ON TAPERS AND RADII.
 - ↑ ARROW BOARD
 - ⊥ SIGN (SHOWN FACING LEFT)
 - ⊥ TYPE III BARRICADE WITH TWO FLASHING LIGHTS
 - ⇄ DIRECTION OF TRAFFIC INDICATORS
 - ☀ MONO-DIRECTIONAL FLASHING BEACON
 - ▨ CONSTRUCTION AREA - INCLUDING COMPLETE PAVEMENT STRUCTURE, ACCORDING TO TYPICAL CROSS SECTIONS, UNLESS OTHERWISE NOTED, CONSTRUCTION SHALL BE EXTENDED TO CONCRETE JOINTS.

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

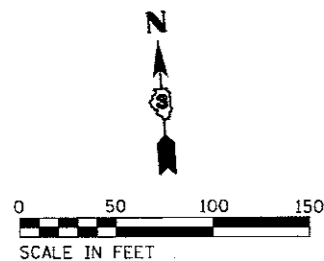
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|------------------------------|----------------|-----------|
| USER NAME = dennisw | DESIGNED - MAG | REVISED - |
| PLOT SCALE = 50.0000' / 1" = | DRAWN - DJW | REVISED - |
| PLOT DATE = 5/15/2017 | CHECKED - BMA | REVISED - |
| | DATE - 5/15/17 |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

KENDALL COUNTY HIGHWAY DEPARTMENT

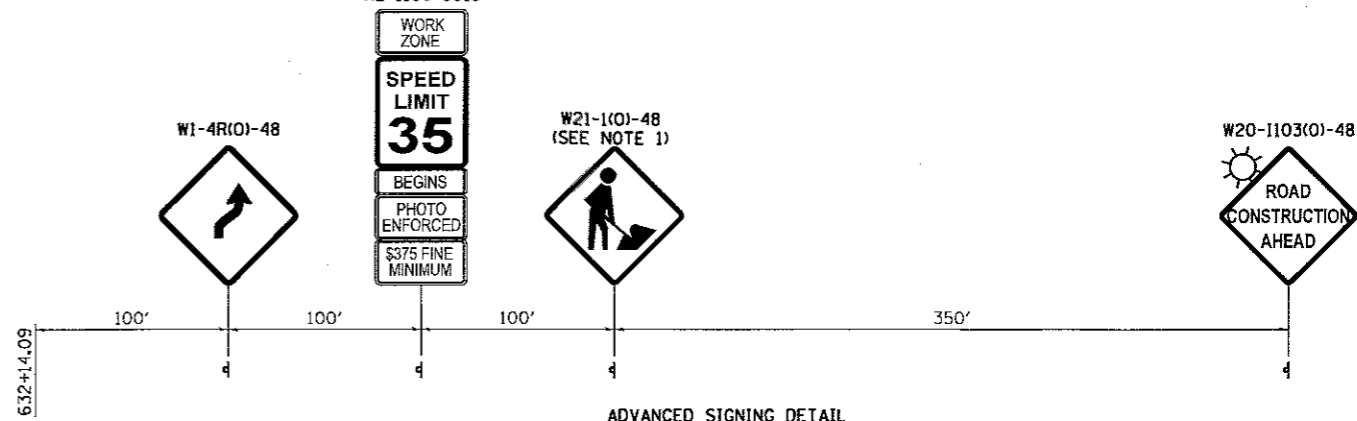
SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 2
RIVER ROAD

SCALE: 1" = 50' SHEET NO. 1 OF 2 SHEETS STA. 260+00 TO STA. 269+00

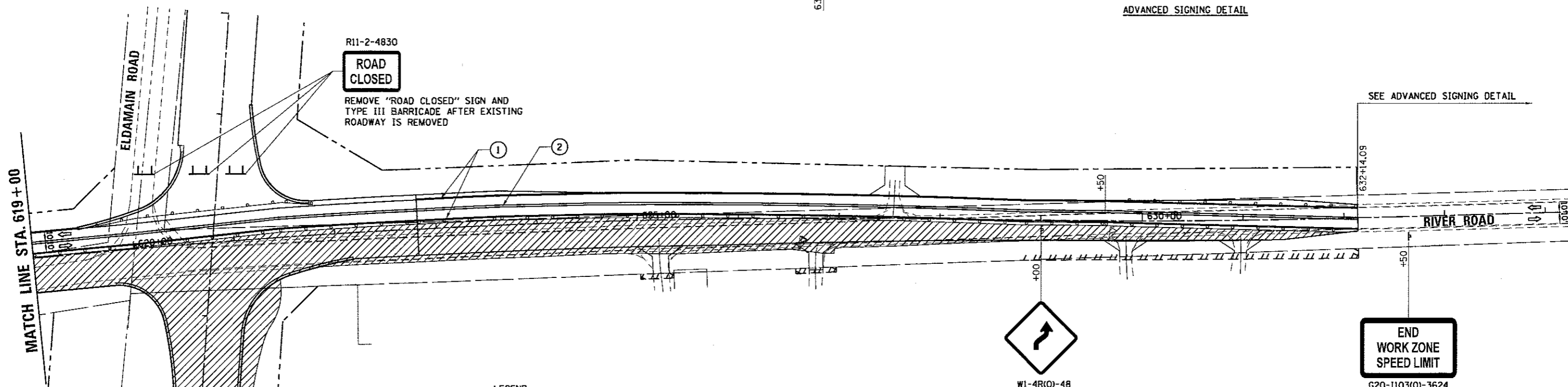
| | | | | |
|---|-------------------------------|-------------------|---------------------|-----------------|
| F.A.D. RTE. 4000 | SECTION NO. 16-00136-00-RP | COUNTY KENDALL | TOTAL SHEETS 237 | SHEET NO. 54 |
| CONTRACT NO. 87666 | | | | |
| FED. ROAD DIST. NO. 3 [ILLINOIS] FED. AID PROJECT | | | | |



W21-1115(O)-3618
R2-1-3648
W21-1113-3612
R10-1108p-3618
R2-1106-3618



ADVANCED SIGNING DETAIL



R11-2-4830
ROAD CLOSED
REMOVE "ROAD CLOSED" SIGN AND TYPE III BARRICADE AFTER EXISTING ROADWAY IS REMOVED

SEE ADVANCED SIGNING DETAIL

LEGEND

- ① 4-IN. SOLID WHITE LINE
 - ② 4-IN. SOLID YELLOW LINE (DOUBLE)
 - ③ 8-IN. SOLID WHITE LINE
 - ④ 8-IN. SOLID YELLOW LINE
 - ⑤ 8-IN. DOTTED WHITE LINE (2-FT. / 6-FT.)
 - ⑥ 12-IN. SOLID YELLOW LINE (DIAGONAL)
- DRUMS OR BARRICADES WITH STEADY BURN LIGHT PER ARTICLE 701.16, PLACED AT 50' C-C ON TANGENTS AND 20' C-C ON TAPERS AND RADII.
 - ↑ ARROW BOARD
 - ↳ SIGN (SHOWN FACING LEFT)
 - TT TYPE III BARRICADE WITH TWO FLASHING LIGHTS
 - ⇄ DIRECTION OF TRAFFIC INDICATORS
 - ☀ MONO-DIRECTIONAL FLASHING BEACON
 - ▨ CONSTRUCTION AREA - INCLUDING COMPLETE PAVEMENT STRUCTURE, ACCORDING TO TYPICAL CROSS SECTIONS, UNLESS OTHERWISE NOTED, CONSTRUCTION SHALL BE EXTENDED TO CONCRETE JOINTS.

NOTES

- 1. TEMPORARY WORKERS SIGNS SHALL NOT BE POST MOUNTED.

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

| | | | | |
|---|----------------|---------|--------------|-----------|
| F.A.U. RTE. | SECTION NO. | COUNTY | TOTAL SHEETS | SHEET NO. |
| 4000 | 16-00136-00-RP | KENDALL | 237 | 55 |
| CONTRACT NO. 87666 | | | | |
| FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT | | | | |

TEMPORARY DITCH CHECK

| ROADWAY | STATION | OFFSET | LENGTH |
|---------------|-----------|-----------|--------|
| ELDAMAIN ROAD | 429+12.95 | 55.12' LT | 20 |
| ELDAMAIN ROAD | 430+27.59 | 55.62' LT | 25 |
| ELDAMAIN ROAD | 431+42.23 | 51.95' LT | 22 |
| ELDAMAIN ROAD | 432+56.87 | 45.82' LT | 25 |
| ELDAMAIN ROAD | 433+16.79 | 45.54' LT | 29 |
| ELDAMAIN ROAD | 433+43.70 | 48.37' LT | 29 |
| ELDAMAIN ROAD | 433+70.61 | 51.21' LT | 38 |
| ELDAMAIN ROAD | 433+97.53 | 54.00' LT | 38 |
| ELDAMAIN ROAD | 434+24.44 | 56.82' LT | 38 |
| ELDAMAIN ROAD | 434+51.35 | 59.50' LT | 35 |
| ELDAMAIN ROAD | 434+78.26 | 62.45' LT | 35 |
| ELDAMAIN ROAD | 435+50.00 | 63.79' LT | 40 |
| ELDAMAIN ROAD | 441+00.00 | 58.23' LT | 26 |
| ELDAMAIN ROAD | 441+18.00 | 56.57' LT | 26 |
| ELDAMAIN ROAD | 441+36.00 | 54.76' LT | 26 |
| ELDAMAIN ROAD | 441+54.00 | 53.05' LT | 16 |
| ELDAMAIN ROAD | 441+72.00 | 51.32' LT | 16 |
| ELDAMAIN ROAD | 441+90.00 | 49.58' LT | 16 |
| ELDAMAIN ROAD | 442+07.99 | 47.90' LT | 17 |
| ELDAMAIN ROAD | 442+25.99 | 46.20' LT | 17 |
| ELDAMAIN ROAD | 442+43.99 | 44.50' LT | 17 |
| ELDAMAIN ROAD | 442+61.99 | 43.35' LT | 17 |
| ELDAMAIN ROAD | 442+91.31 | 42.24' LT | 17 |
| ELDAMAIN ROAD | 443+29.70 | 41.32' LT | 17 |
| ELDAMAIN ROAD | 444+32.80 | 40.79' LT | 17 |
| ELDAMAIN ROAD | 445+50.00 | 42.65' LT | 16 |
| ELDAMAIN ROAD | 461+00.00 | 43.68' LT | 13 |
| ELDAMAIN ROAD | 463+50.00 | 46.16' LT | 13 |
| ELDAMAIN ROAD | 470+21.05 | 53.08' LT | 13 |
| ELDAMAIN ROAD | 470+42.11 | 53.22' LT | 13 |
| ELDAMAIN ROAD | 470+63.16 | 51.44' LT | 13 |
| ELDAMAIN ROAD | 470+84.21 | 48.41' LT | 13 |
| ELDAMAIN ROAD | 471+07.69 | 43.66' LT | 13 |
| ELDAMAIN ROAD | 471+38.46 | 43.66' LT | 13 |
| ELDAMAIN ROAD | 471+69.23 | 44.05' LT | 13 |
| ELDAMAIN ROAD | 472+00.00 | 45.93' LT | 13 |
| ELDAMAIN ROAD | 482+56.47 | 53.39' LT | 19 |
| ELDAMAIN ROAD | 483+74.12 | 50.13' LT | 14 |
| ELDAMAIN ROAD | 484+28.06 | 50.51' LT | 16 |
| ELDAMAIN ROAD | 484+64.03 | 52.63' LT | 22 |
| ELDAMAIN ROAD | 485+00.00 | 54.43' LT | 22 |
| ELDAMAIN ROAD | 486+38.46 | 50.06' LT | 26 |
| ELDAMAIN ROAD | 486+76.92 | 48.26' LT | 23 |
| ELDAMAIN ROAD | 487+15.38 | 45.79' LT | 17 |
| ELDAMAIN ROAD | 487+53.85 | 43.92' LT | 14 |
| ELDAMAIN ROAD | 487+92.31 | 42.56' LT | 14 |
| ELDAMAIN ROAD | 488+30.77 | 41.65' LT | 13 |
| ELDAMAIN ROAD | 488+69.23 | 40.80' LT | 14 |
| ELDAMAIN ROAD | 489+25.00 | 41.07' LT | 14 |
| ELDAMAIN ROAD | 490+50.00 | 43.80' LT | 14 |
| RIVER ROAD | 616+66.67 | 34.48' LT | 13 |
| RIVER ROAD | 618+33.33 | 33.87' LT | 13 |
| RIVER ROAD | 620+00.00 | 51.47' LT | 13 |
| RIVER ROAD | 623+48.03 | 44.56' LT | 13 |
| RIVER ROAD | 625+17.69 | 40.08' LT | 13 |
| RIVER ROAD | 626+22.96 | 37.76' LT | 13 |
| RIVER ROAD | 627+28.22 | 34.45' LT | 13 |
| ELDAMAIN ROAD | 430+53.51 | 47.95' RT | 13 |
| ELDAMAIN ROAD | 432+02.24 | 46.08' RT | 13 |
| ELDAMAIN ROAD | 432+85.58 | 46.40' RT | 13 |
| ELDAMAIN ROAD | 433+54.73 | 47.41' RT | 13 |
| ELDAMAIN ROAD | 433+75.55 | 50.46' RT | 13 |
| ELDAMAIN ROAD | 433+96.38 | 53.56' RT | 13 |
| ELDAMAIN ROAD | 434+17.21 | 56.64' RT | 13 |
| ELDAMAIN ROAD | 434+38.03 | 59.77' RT | 13 |
| ELDAMAIN ROAD | 434+58.86 | 62.00' RT | 13 |
| ELDAMAIN ROAD | 435+00.00 | 64.12' RT | 13 |
| ELDAMAIN ROAD | 439+00.00 | 62.76' RT | 11 |

TEMPORARY DITCH CHECK (CONTINUED)

| ROADWAY | STATION | OFFSET | LENGTH |
|---------------|-----------|-----------|--------|
| ELDAMAIN ROAD | 439+57.42 | 64.19' RT | 11 |
| ELDAMAIN ROAD | 440+03.94 | 65.29' RT | 11 |
| ELDAMAIN ROAD | 440+19.16 | 63.75' RT | 11 |
| ELDAMAIN ROAD | 440+34.39 | 62.23' RT | 11 |
| ELDAMAIN ROAD | 440+49.62 | 60.70' RT | 11 |
| ELDAMAIN ROAD | 440+64.84 | 59.15' RT | 11 |
| ELDAMAIN ROAD | 440+80.06 | 57.58' RT | 11 |
| ELDAMAIN ROAD | 440+95.29 | 56.02' RT | 11 |
| ELDAMAIN ROAD | 441+10.52 | 54.47' RT | 11 |
| ELDAMAIN ROAD | 441+25.74 | 52.91' RT | 11 |
| ELDAMAIN ROAD | 441+40.97 | 51.36' RT | 11 |
| ELDAMAIN ROAD | 441+56.19 | 49.82' RT | 11 |
| ELDAMAIN ROAD | 441+71.42 | 48.26' RT | 11 |
| ELDAMAIN ROAD | 441+86.64 | 46.73' RT | 11 |
| ELDAMAIN ROAD | 442+01.87 | 45.19' RT | 11 |
| ELDAMAIN ROAD | 442+17.10 | 43.77' RT | 11 |
| ELDAMAIN ROAD | 442+32.32 | 42.08' RT | 11 |
| ELDAMAIN ROAD | 442+47.55 | 40.54' RT | 11 |
| ELDAMAIN ROAD | 442+88.13 | 40.92' RT | 11 |
| ELDAMAIN ROAD | 443+33.58 | 41.01' RT | 11 |
| ELDAMAIN ROAD | 443+79.04 | 40.36' RT | 11 |
| ELDAMAIN ROAD | 444+24.49 | 38.57' RT | 11 |
| ELDAMAIN ROAD | 444+97.24 | 38.82' RT | 11 |
| ELDAMAIN ROAD | 445+77.89 | 39.56' RT | 11 |
| ELDAMAIN ROAD | 446+58.53 | 39.61' RT | 11 |
| ELDAMAIN ROAD | 447+39.18 | 39.58' RT | 11 |
| ELDAMAIN ROAD | 448+19.82 | 39.74' RT | 11 |
| ELDAMAIN ROAD | 449+00.47 | 39.66' RT | 11 |
| ELDAMAIN ROAD | 449+81.11 | 39.73' RT | 11 |
| ELDAMAIN ROAD | 450+68.22 | 41.79' RT | 13 |
| ELDAMAIN ROAD | 451+93.22 | 39.09' RT | 13 |
| ELDAMAIN ROAD | 453+18.22 | 36.77' RT | 13 |
| ELDAMAIN ROAD | 454+43.22 | 35.65' RT | 11 |
| ELDAMAIN ROAD | 455+68.22 | 36.31' RT | 11 |
| ELDAMAIN ROAD | 456+40.10 | 38.43' RT | 11 |
| ELDAMAIN ROAD | 458+93.94 | 40.37' RT | 11 |
| ELDAMAIN ROAD | 460+83.58 | 40.46' RT | 13 |
| ELDAMAIN ROAD | 462+73.22 | 38.90' RT | 13 |
| ELDAMAIN ROAD | 464+62.86 | 39.25' RT | 13 |
| ELDAMAIN ROAD | 465+84.25 | 41.12' RT | 13 |
| ELDAMAIN ROAD | 466+81.33 | 43.39' RT | 13 |
| ELDAMAIN ROAD | 467+19.07 | 45.76' RT | 13 |
| ELDAMAIN ROAD | 472+00.00 | 44.39' RT | 11 |
| ELDAMAIN ROAD | 472+35.47 | 43.32' RT | 11 |
| ELDAMAIN ROAD | 472+70.93 | 42.22' RT | 11 |
| ELDAMAIN ROAD | 473+06.40 | 41.02' RT | 11 |
| ELDAMAIN ROAD | 473+41.87 | 39.87' RT | 11 |
| ELDAMAIN ROAD | 473+77.34 | 38.70' RT | 11 |
| ELDAMAIN ROAD | 474+24.50 | 38.15' RT | 11 |
| ELDAMAIN ROAD | 476+26.76 | 52.97' RT | 13 |
| ELDAMAIN ROAD | 477+50.00 | 60.20' RT | 13 |
| ELDAMAIN ROAD | 482+15.67 | 57.03' RT | 13 |
| ELDAMAIN ROAD | 483+29.90 | 54.99' RT | 13 |
| ELDAMAIN ROAD | 484+44.13 | 51.33' RT | 13 |
| ELDAMAIN ROAD | 485+00.00 | 52.85' RT | 13 |
| ELDAMAIN ROAD | 488+50.00 | 60.31' RT | 13 |
| ELDAMAIN ROAD | 488+92.44 | 61.81' RT | 13 |
| ELDAMAIN ROAD | 489+34.88 | 63.03' RT | 13 |
| ELDAMAIN ROAD | 489+77.32 | 63.86' RT | 13 |
| ELDAMAIN ROAD | 490+50.51 | 66.68' RT | 13 |
| ELDAMAIN ROAD | 491+59.01 | 65.26' RT | 13 |
| RIVER ROAD | 607+48.51 | 33.01' RT | 13 |
| RIVER ROAD | 608+73.45 | 31.31' RT | 13 |
| RIVER ROAD | 609+21.07 | 31.79' RT | 13 |
| RIVER ROAD | 609+68.69 | 32.16' RT | 13 |
| RIVER ROAD | 610+16.31 | 32.41' RT | 13 |
| RIVER ROAD | 610+63.93 | 32.92' RT | 13 |
| RIVER ROAD | 611+39.04 | 32.92' RT | 13 |

TEMPORARY DITCH CHECK (CONTINUED)

| ROADWAY | STATION | OFFSET | EACH |
|------------|-----------|-----------|-------|
| RIVER ROAD | 619+50.00 | 43.02' RT | 13 |
| RIVER ROAD | 623+72.68 | 35.32' RT | 13 |
| RIVER ROAD | 625+99.94 | 36.49' RT | 13 |
| RIVER ROAD | 627+95.24 | 32.32' RT | 13 |
| RIVER ROAD | 628+90.48 | 30.24' RT | 13 |
| RIVER ROAD | 631+75.26 | 22.68' RT | 13 |
| TOTAL | | | 2,142 |

INLET FILTERS

| ROADWAY | STATION | OFFSET | EACH |
|---------------|-----------|-----------|------|
| US ROUTE 34 | 268+25.00 | 44.20' RT | 1 |
| US ROUTE 34 | 270+00.00 | 44.30' RT | 1 |
| US ROUTE 34 | 271+80.12 | 63.10' RT | 1 |
| ELDAMAIN ROAD | 492+40.00 | 31.00' LT | 1 |
| ELDAMAIN ROAD | 480+69.69 | 67.70' LT | 1 |
| ELDAMAIN ROAD | 481+48.25 | 64.70' LT | 1 |
| ELDAMAIN ROAD | 480+55.00 | 44.80' LT | 1 |
| ELDAMAIN ROAD | 475+50.00 | 29.00' LT | 1 |
| ELDAMAIN ROAD | 473+00.00 | 29.00' LT | 1 |
| ELDAMAIN ROAD | 471+90.00 | 29.00' LT | 1 |
| ELDAMAIN ROAD | 464+50.00 | 9.00' RT | 1 |
| ELDAMAIN ROAD | 458+50.00 | 9.00' RT | 1 |
| ELDAMAIN ROAD | 457+67.00 | 9.00' RT | 1 |
| ELDAMAIN ROAD | 457+09.00 | 9.00' RT | 1 |
| ELDAMAIN ROAD | 452+50.00 | 9.00' LT | 1 |
| ELDAMAIN ROAD | 454+50.00 | 9.00' LT | 1 |
| ELDAMAIN ROAD | 456+50.00 | 9.00' RT | 1 |
| RIVER ROAD | 621+85.00 | 28.07' RT | 1 |
| RIVER ROAD | 621+00.00 | 91.40' RT | 1 |
| RIVER ROAD | 620+27.45 | 80.60' RT | 1 |
| RIVER ROAD | 619+90.45 | 33.50' RT | 1 |
| TOTAL | | | 21 |

INLET & PIPE PROTECTION

| ROADWAY | STATION | OFFSET | EACH |
|---------------|-----------|-----------|------|
| RIVER ROAD | 620+02.94 | 76.90' RT | 1 |
| RIVER ROAD | 619+70.00 | 46.91' RT | 1 |
| RIVER ROAD | 617+85.00 | 40.01' RT | 1 |
| RIVER ROAD | 616+80.00 | 36.02' RT | 1 |
| RIVER ROAD | 615+50.00 | 33.01' RT | 1 |
| RIVER ROAD | 614+85.00 | 33.73' RT | 1 |
| RIVER ROAD | 613+00.00 | 31.60' RT | 1 |
| RIVER ROAD | 621+88.02 | 37.06' RT | 1 |
| RIVER ROAD | 622+50.00 | 38.42' RT | 1 |
| RIVER ROAD | 625+45.00 | 36.30' RT | 1 |
| RIVER ROAD | 627+00.00 | 33.50' RT | 1 |
| RIVER ROAD | 627+80.00 | 33.63' LT | 1 |
| RIVER ROAD | 630+05.00 | 28.00' RT | 1 |
| RIVER ROAD | 631+20.00 | 26.00' RT | 1 |
| ELDAMAIN ROAD | 434+00.00 | 0.00' LT | 1 |
| ELDAMAIN ROAD | 436+75.00 | 0.00' LT | 1 |
| ELDAMAIN ROAD | 438+75.00 | 0.00' LT | 1 |
| ELDAMAIN ROAD | 440+00.00 | 0.00' LT | 1 |
| ELDAMAIN ROAD | 445+50.00 | 2.36' LT | 1 |
| ELDAMAIN ROAD | 456+76.07 | 0.00' LT | 1 |
| ELDAMAIN ROAD | 456+93.86 | 40.00' RT | 1 |
| ELDAMAIN ROAD | 454+50.00 | 0.00' LT | 1 |
| ELDAMAIN ROAD | 452+50.00 | 0.00' LT | 1 |
| ELDAMAIN ROAD | 456+87.07 | 0.00' LT | 1 |
| ELDAMAIN ROAD | 457+04.30 | 40.00' RT | 1 |
| ELDAMAIN ROAD | 457+00.00 | 0.00' LT | 1 |
| ELDAMAIN ROAD | 459+50.00 | 0.00' LT | 1 |
| ELDAMAIN ROAD | 462+00.00 | 0.00' LT | 1 |
| ELDAMAIN ROAD | 464+50.00 | 0.00' LT | 1 |
| ELDAMAIN ROAD | 470+00.00 | 53.11' LT | 1 |
| ELDAMAIN ROAD | 471+90.00 | 44.69' RT | 1 |
| ELDAMAIN ROAD | 480+25.00 | 59.22' RT | 1 |
| ELDAMAIN ROAD | 480+25.00 | 48.53' LT | 1 |
| ELDAMAIN ROAD | 481+48.19 | 64.75' LT | 1 |
| ELDAMAIN ROAD | 492+40.00 | 42.49' LT | 1 |
| ELDAMAIN ROAD | 492+72.77 | 88.99' LT | 1 |
| ELDAMAIN ROAD | 492+74.38 | 69.28' RT | 1 |
| TOTAL | | | 37 |



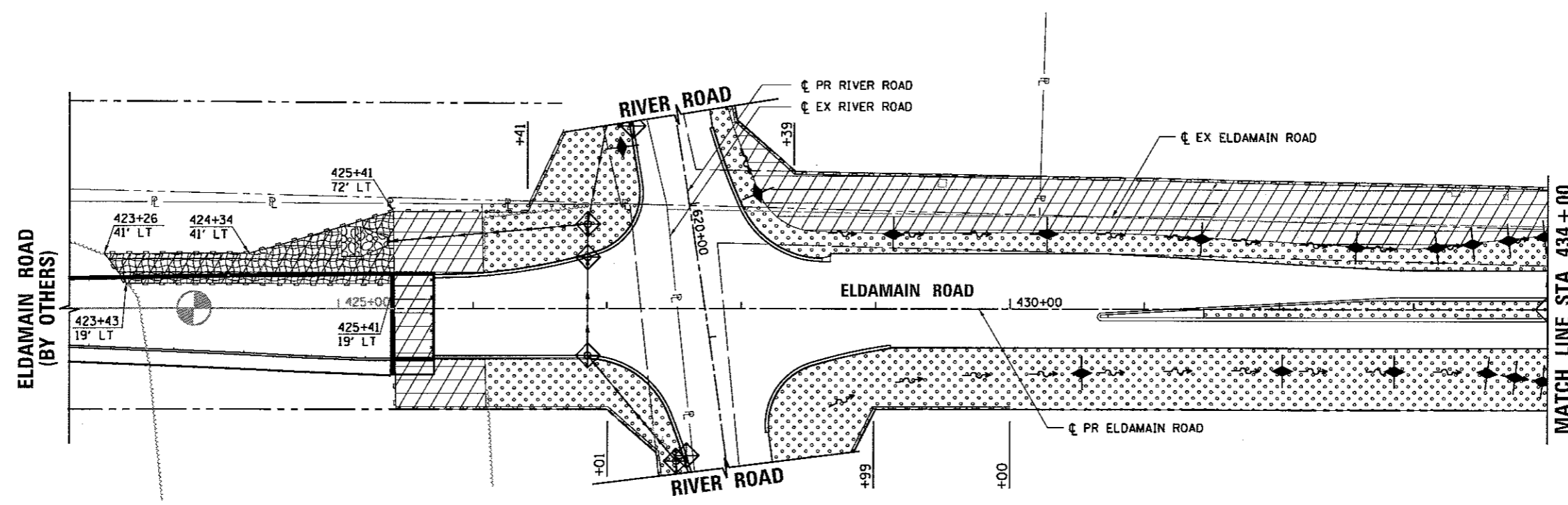
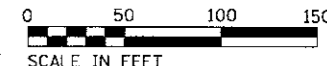
| | | |
|------------------------------|----------------|-----------|
| USER NAME = dennisw | DESIGNED - MAG | REVISED - |
| PLOT SCALE = 50.0000' / 1" = | DRAWN - DJW | REVISED - |
| PLOT DATE = 5/15/2017 | CHECKED - BMA | REVISED - |
| | DATE - 5/15/17 | REVISED - |

KENDALL COUNTY HIGHWAY DEPARTMENT

LANDSCAPING AND EROSION CONTROL SCHEDULE

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 | 56 |
| CONTRACT NO. 87666 | | | | |
| FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT | | | | |



LEGEND

| | | | |
|--|--|--|--------------------------------|
| | SEEDING, CLASS 2A | | PROPOSED DITCH FLOW DIRECTION |
| | SEEDING, CLASS 4A & 5 | | PERIMETER EROSION BARRIER |
| | SEEDING, CLASS 4B & 5 | | SEDIMENT CONTROL, SILT CURTAIN |
| | RIPRAP | | EXISTING RIGHT-OF-WAY |
| | HEAVY DUTY EROSION CONTROL BLANKET | | PROPOSED RIGHT-OF-WAY |
| | INLET FILTERS OR INLET & PIPE PROTECTION | | PROPOSED TEMPORARY EASEMENT |
| | TEMPORARY SEDIMENT TRAP | | |
| | TEMPORARY DITCH CHECK | | |

EROSION CONTROL NOTES

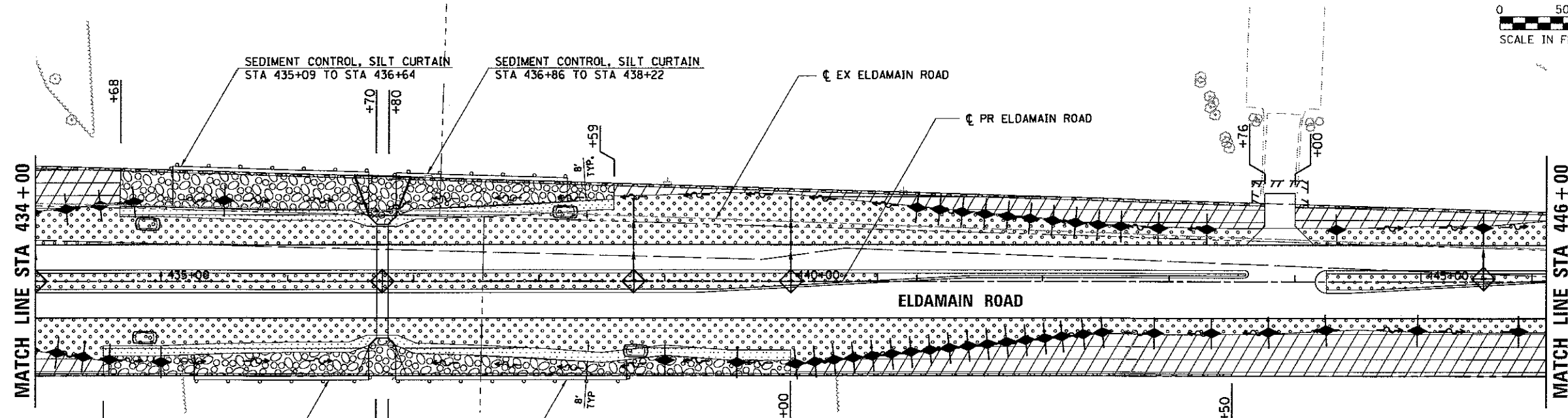
1. STABILIZED CONSTRUCTION ENTRANCES ACCORDING TO THE ILLINOIS URBAN MANUAL LATEST EDITION WILL BE REQUIRED. ALL LOCATIONS SHALL BE APPROVED BY THE RESIDENT ENGINEER AND WILL NOT BE PAID FOR SEPARATELY AND SHALL BE CONSIDERED INCLUDED IN THE COST OF THE VARIOUS EROSION CONTROL PAY ITEMS.
2. TEMPORARY SEDIMENT TRAP CONSTRUCTION AND MAINTENANCE WILL BE PAID FOR UTILIZING THE FOLLOWING PAY ITEMS; EARTH EXCAVATION FOR EROSION CONTROL AND AGGREGATE (EROSION CONTROL).
3. PROPOSED UPSTREAM ENDS OF PIPE CULVERT END SECTIONS SHALL BE PROTECTED WITH INLET AND PIPE PROTECTION IMMEDIATELY AFTER CONSTRUCTION.
4. INLET FILTERS SHALL BE USED ONLY IN PROPOSED GRATES WITHIN THE CURB AND GUTTER.
5. PERMANENT STABILIZATION SHALL OCCUR AT EACH CONSTRUCTION STAGE PRIOR TO MOVING ONTO THE NEXT STAGE.
6. SEE THE DRAINAGE PLAN AND PROFILE SHEETS FOR FURTHER DETAILS ON STONE RIPRAP.
7. LOCATION AND DIMENSIONS OF TEMPORARY SEDIMENT TRAPS TO BE ADJUSTED DURING CONSTRUCTION DUE TO FIELD CONDITIONS.

LANDSCAPING NOTES

1. ALL AREAS TO BE SEEDED SHALL HAVE 4" OF TOPSOIL (TOPSOIL EXCAVATION AND PLACEMENT), NITROGEN, PHOSPHORUS, AND POTASSIUM NUTRIENT, AND EROSION CONTROL BLANKET UNLESS HEAVY DUTY EROSION CONTROL BLANKET IS SHOWN ON THE PLANS.

| | | |
|-----------------------------|----------------|-----------|
| USER NAME = dennisw | DESIGNED - MAG | REVISED - |
| PLOT SCALE = 50,000' / 1" = | DRAWN - DJW | REVISED - |
| PLOT DATE = 5/15/2017 | CHECKED - BMA | REVISED - |
| | DATE - 5/15/17 | REVISED - |

| | | | | |
|---|----------------------------|----------------|------------------|--------------|
| F.A.U. RTE. 4000 | SECTION NO. 16-00136-00-RP | COUNTY KENDALL | TOTAL SHEETS 237 | SHEET NO. 57 |
| CONTRACT NO. 87666 | | | | |
| FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT | | | | |



LEGEND

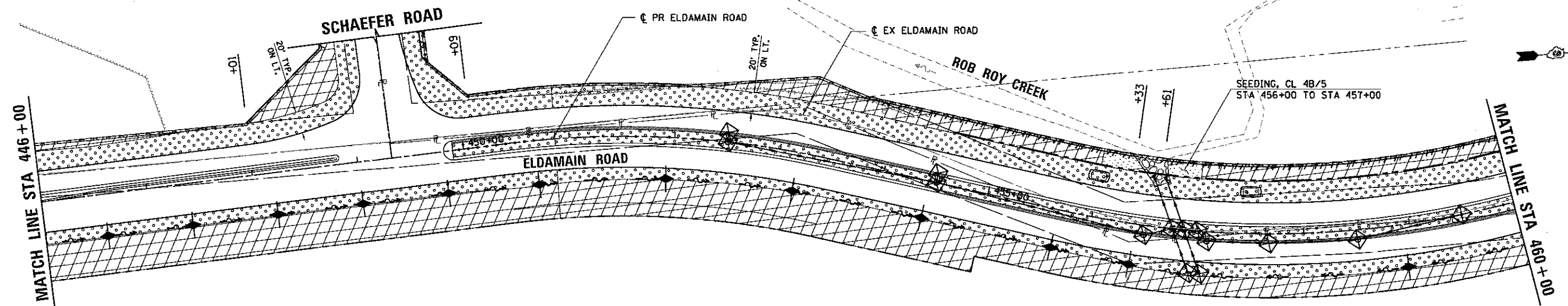
| | | | |
|--|--|--|--------------------------------|
| | SEEDING, CLASS 2A | | PROPOSED DITCH FLOW DIRECTION |
| | SEEDING, CLASS 4A & 5 | | PERIMETER EROSION BARRIER |
| | SEEDING, CLASS 4B & 5 | | SEDIMENT CONTROL, SILT CURTAIN |
| | RIPRAP | | EXISTING RIGHT-OF-WAY |
| | HEAVY DUTY EROSION CONTROL BLANKET | | PROPOSED RIGHT-OF-WAY |
| | INLET FILTERS OR INLET & PIPE PROTECTION | | PROPOSED TEMPORARY EASEMENT |
| | TEMPORARY SEDIMENT TRAP | | |
| | TEMPORARY DITCH CHECK | | |

EROSION CONTROL NOTES

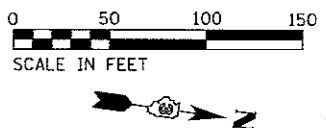
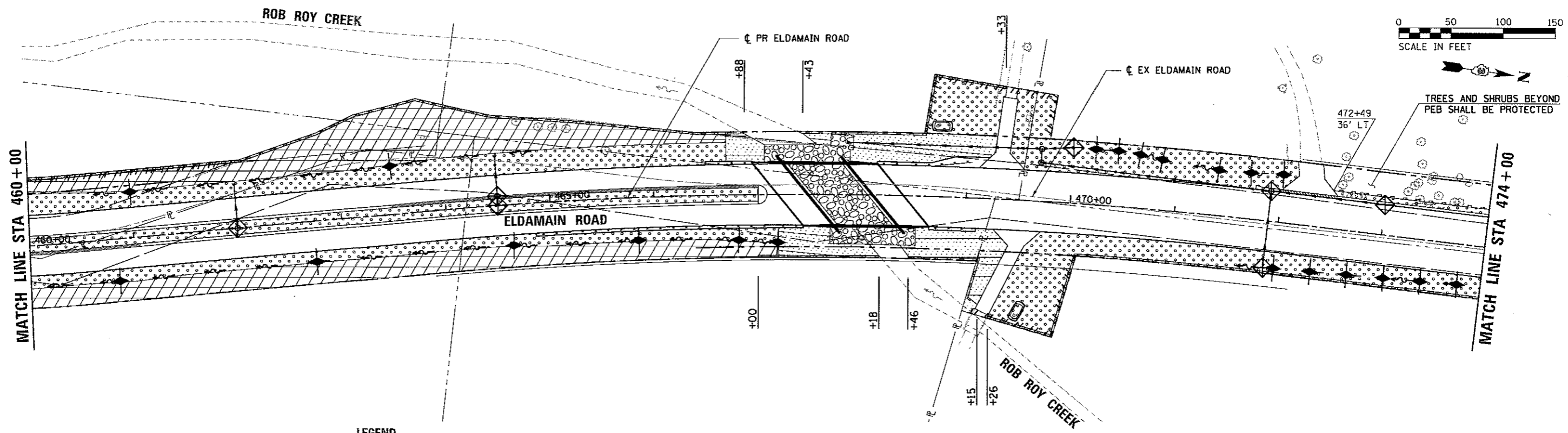
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5. PERMANENT STABILIZATION SHALL OCCUR AT EACH CONSTRUCTION STAGE PRIOR TO MOVING ONTO THE NEXT STAGE.
6. SEE THE DRAINAGE PLAN AND PROFILE SHEETS FOR FURTHER DETAILS ON STONE RIPRAP.
7. LOCATION AND DIMENSIONS OF TEMPORARY SEDIMENT TRAPS TO BE ADJUSTED DURING CONSTRUCTION DUE TO FIELD CONDITIONS.

LANDSCAPING NOTES

1. ALL AREAS TO BE SEEDED SHALL HAVE 4" OF TOPSOIL (TOPSOIL EXCAVATION AND PLACEMENT), NITROGEN, PHOSPHORUS, AND POTASSIUM NUTRIENT, AND EROSION CONTROL BLANKET UNLESS HEAVY DUTY EROSION CONTROL BLANKET IS SHOWN ON THE PLANS.



| | | |
|-----------------------------|----------------|-----------|
| USER NAME = dennisw | DESIGNED - MAG | REVISED - |
| PLOT SCALE = 90.0000' / in. | DRAWN - DJW | REVISED - |
| PLOT DATE = 5/15/2017 | CHECKED - BMA | REVISED - |
| | DATE - 5/15/17 | REVISED - |



MATCH LINE STA 460+00

MATCH LINE STA 474+00

MATCH LINE STA 474+00

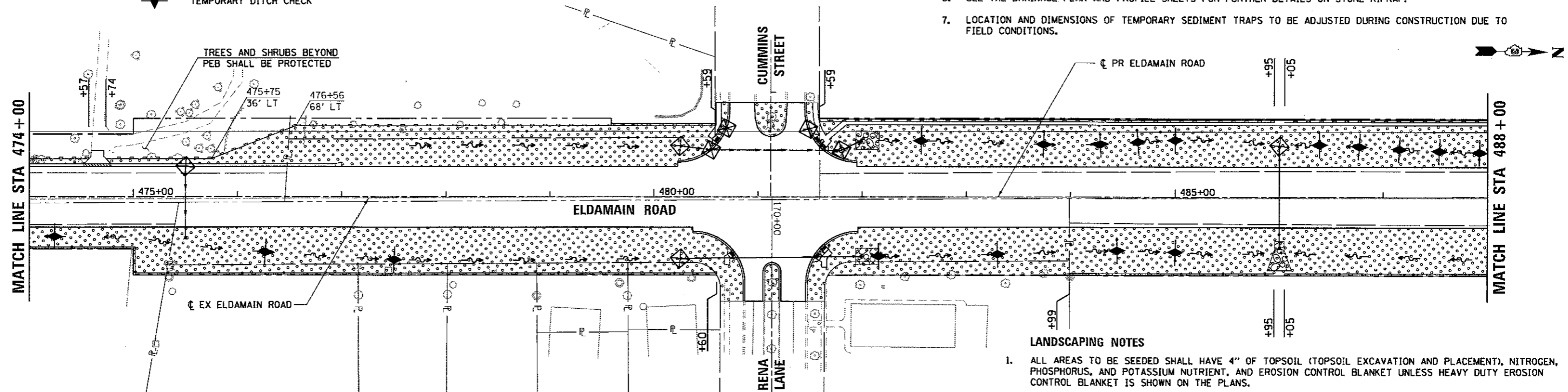
MATCH LINE STA 488+00

LEGEND

| | | | |
|--|--|--|--------------------------------|
| | SEEDING, CLASS 2A | | PROPOSED DITCH FLOW DIRECTION |
| | SEEDING, CLASS 4A & 5 | | PERIMETER EROSION BARRIER |
| | SEEDING, CLASS 4B & 5 | | SEDIMENT CONTROL, SILT CURTAIN |
| | RIPRAP | | EXISTING RIGHT-OF-WAY |
| | HEAVY DUTY EROSION CONTROL BLANKET | | PROPOSED RIGHT-OF-WAY |
| | INLET FILTERS OR INLET & PIPE PROTECTION | | PROPOSED TEMPORARY EASEMENT |
| | TEMPORARY SEDIMENT TRAP | | |
| | TEMPORARY DITCH CHECK | | |

EROSION CONTROL NOTES

1. STABILIZED CONSTRUCTION ENTRANCES ACCORDING TO THE ILLINOIS URBAN MANUAL LATEST EDITION WILL BE REQUIRED. ALL LOCATIONS SHALL BE APPROVED BY THE RESIDENT ENGINEER AND WILL NOT BE PAID FOR SEPARATELY AND SHALL BE CONSIDERED INCLUDED IN THE COST OF THE VARIOUS EROSION CONTROL PAY ITEMS.
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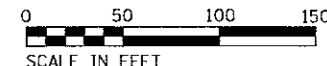
| | | |
|----------------------------|----------------|-----------|
| USER NAME = darrinaw | DESIGNED - MAG | REVISED - |
| PLOT SCALE = 50,0000' / 1" | DRAWN - DJW | REVISED - |
| PLOT DATE = 5/15/2017 | CHECKED - BMA | REVISED - |
| | DATE - 5/15/17 | REVISED - |

KENDALL COUNTY HIGHWAY DEPARTMENT

LANDSCAPING & EROSION CONTROL PLAN
ELDAMAIN ROAD
STA. 460+00 TO 488+00

| | | |
|--------|---------------------|--------------|
| 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 | 59 |
| CONTRACT NO. 87666 | | | FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT 1 | |

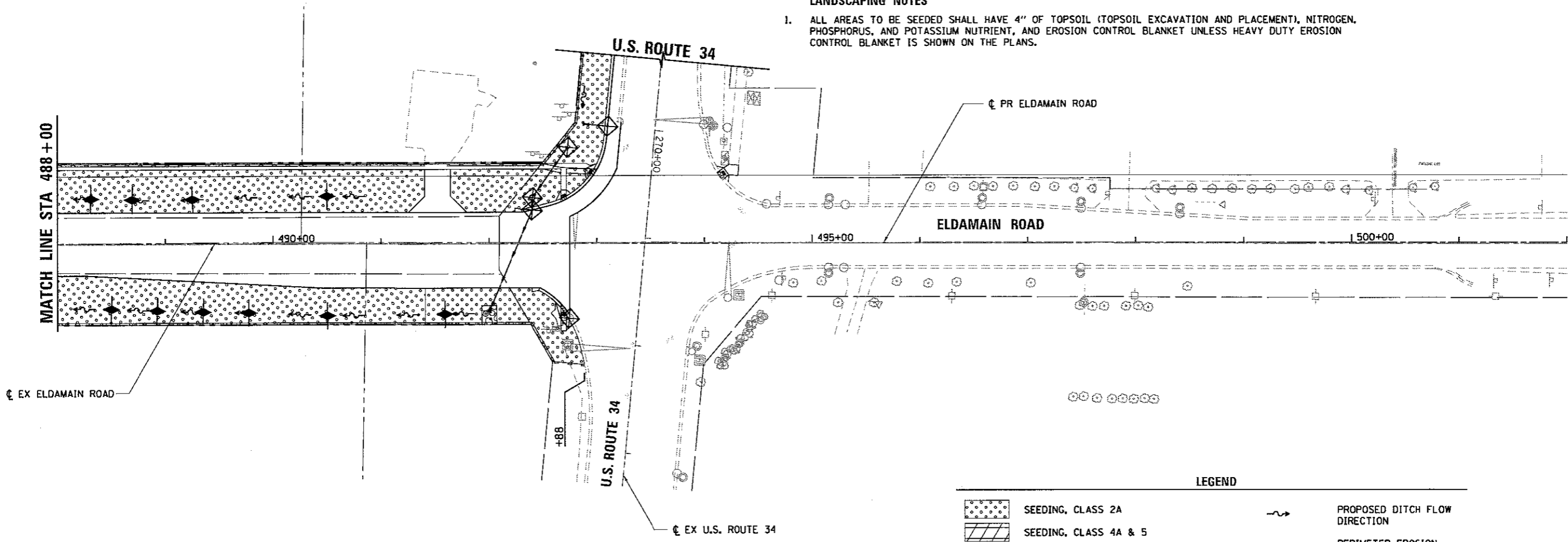


EROSION CONTROL NOTES

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LEGEND

| | | | |
|--|--|--|--------------------------------|
| | SEEDING, CLASS 2A | | PROPOSED DITCH FLOW DIRECTION |
| | SEEDING, CLASS 4A & 5 | | PERIMETER EROSION BARRIER |
| | SEEDING, CLASS 4B & 5 | | SEDIMENT CONTROL, SILT CURTAIN |
| | RIPRAP | | EXISTING RIGHT-OF-WAY |
| | HEAVY DUTY EROSION CONTROL BLANKET | | PROPOSED RIGHT-OF-WAY |
| | INLET FILTERS OR INLET & PIPE PROTECTION | | PROPOSED TEMPORARY EASEMENT |
| | TEMPORARY SEDIMENT TRAP | | |
| | TEMPORARY DITCH CHECK | | |

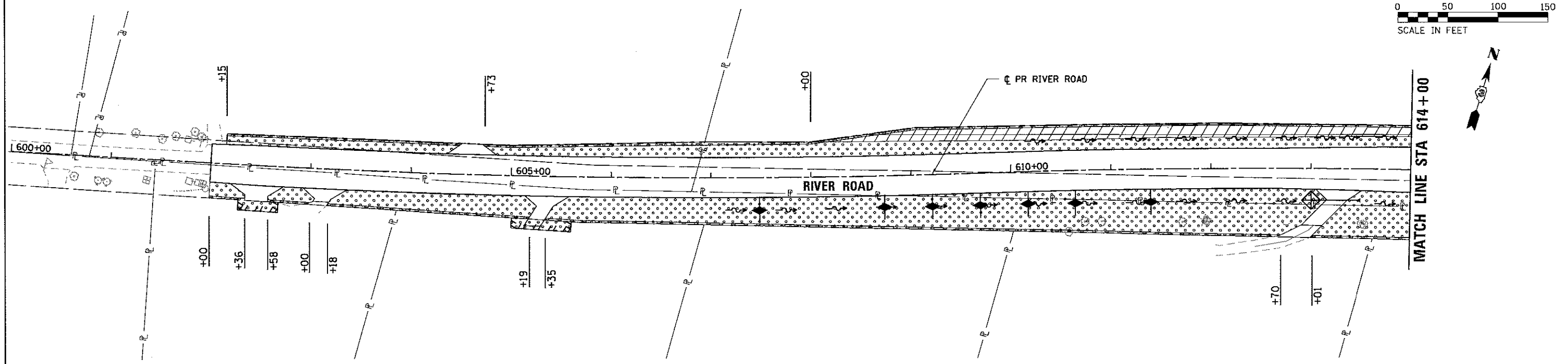
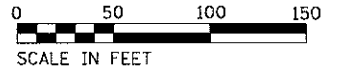
SA STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

| | | |
|----------------------------|----------------|-----------|
| USER NAME = dennrsw | DESIGNED - MAG | REVISED - |
| | DRAWN - DJW | REVISED - |
| PLOT SCALE = 50,000' / in. | CHECKED - BMA | REVISED - |
| PLOT DATE = 5/15/2017 | DATE - 5/15/17 | REVISED - |

KENDALL COUNTY HIGHWAY DEPARTMENT

| LANDSCAPING & EROSION CONTROL PLAN | | | |
|------------------------------------|-----------|-----------|--------------|
| ELDAMAIN ROAD | | | |
| STA. 488+00 TO 502+00 | | | |
| 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. 60 |
| CONTRACT NO. 87666 | | | | |
| FED. ROAD DIST. NO. 3 [ILLINOIS] FED. AID PROJECT | | | | |

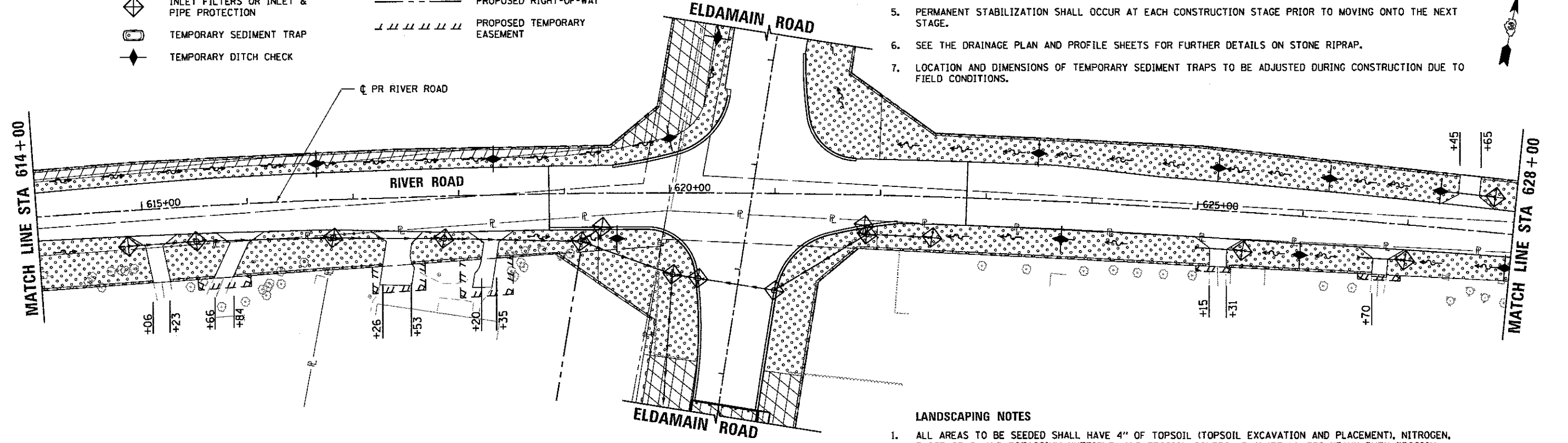


LEGEND

| | | | |
|--|--|--|--------------------------------|
| | SEEDING, CLASS 2A | | PROPOSED DITCH FLOW DIRECTION |
| | SEEDING, CLASS 4A & 5 | | PERIMETER EROSION BARRIER |
| | SEEDING, CLASS 4B & 5 | | SEDIMENT CONTROL, SILT CURTAIN |
| | RIPRAP | | EXISTING RIGHT-OF-WAY |
| | HEAVY DUTY EROSION CONTROL BLANKET | | PROPOSED RIGHT-OF-WAY |
| | INLET FILTERS OR INLET & PIPE PROTECTION | | PROPOSED TEMPORARY EASEMENT |
| | TEMPORARY SEDIMENT TRAP | | |
| | TEMPORARY DITCH CHECK | | |

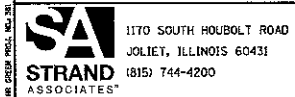
EROSION CONTROL NOTES

1. STABILIZED CONSTRUCTION ENTRANCES ACCORDING TO THE ILLINOIS URBAN MANUAL LATEST EDITION WILL BE REQUIRED. ALL LOCATIONS SHALL BE APPROVED BY THE RESIDENT ENGINEER AND WILL NOT BE PAID FOR SEPARATELY AND SHALL BE CONSIDERED INCLUDED IN THE COST OF THE VARIOUS EROSION CONTROL PAY ITEMS.
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LANDSCAPING NOTES

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| | | |
|----------------------------|----------------|-----------|
| USER NAME = dennisw | DESIGNED - MAG | REVISED - |
| PLOT SCALE = 50.00' / 1" = | DRAWN - DJW | REVISED - |
| PLOT DATE = 5/15/2017 | CHECKED - BMA | REVISED - |
| | DATE - 5/15/17 | REVISED - |

KENDALL COUNTY HIGHWAY DEPARTMENT

**LANDSCAPING & EROSION CONTROL PLAN
RIVER ROAD
STA. 600+00 TO 628+00**

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

| | | | | |
|--------------------------------|----------------------------|----------------|------------------|--------------|
| F.A.J. RTE. 4000 | SECTION NO. 16-00136-00-RP | COUNTY KENDALL | TOTAL SHEETS 237 | SHEET NO. 61 |
| FED. ROAD DIST. NO. 3 ILLINOIS | | | FED. AID PROJECT | |

CONTRACT NO. 87666

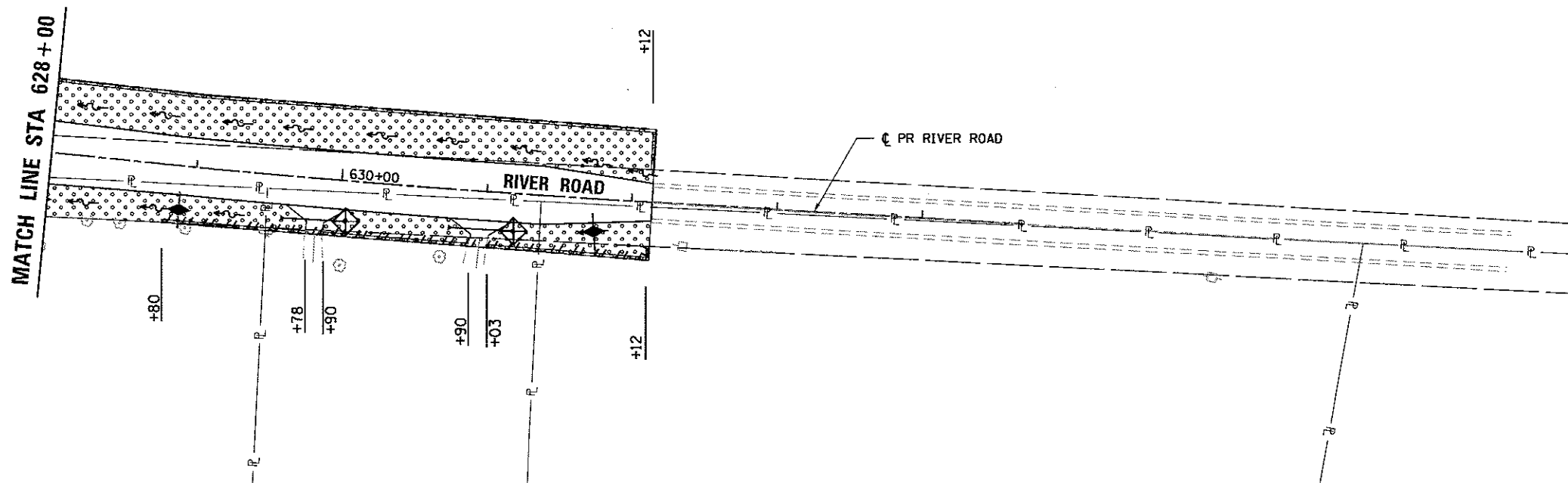


EROSION CONTROL NOTES

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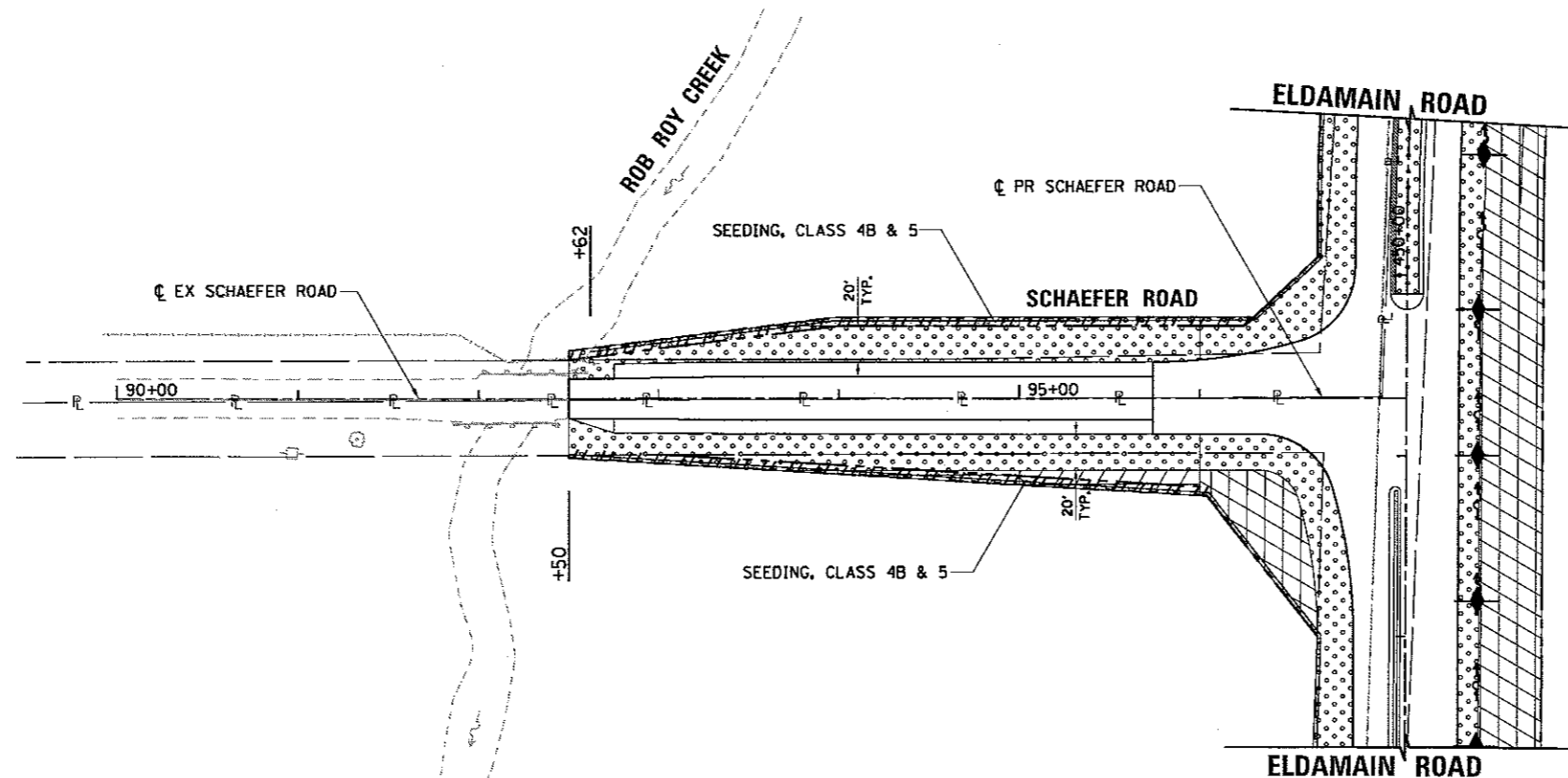
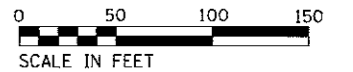


LEGEND

| | | | |
|--|--|--|--------------------------------|
| | SEEDING, CLASS 2A | | PROPOSED DITCH FLOW DIRECTION |
| | SEEDING, CLASS 4A & 5 | | PERIMETER EROSION BARRIER |
| | SEEDING, CLASS 4B & 5 | | SEDIMENT CONTROL, SILT CURTAIN |
| | RIPRAP | | EXISTING RIGHT-OF-WAY |
| | HEAVY DUTY EROSION CONTROL BLANKET | | PROPOSED RIGHT-OF-WAY |
| | INLET FILTERS OR INLET & PIPE PROTECTION | | PROPOSED TEMPORARY EASEMENT |
| | TEMPORARY SEDIMENT TRAP | | |
| | TEMPORARY DITCH CHECK | | |

| | | |
|-----------------------------|----------------|-----------|
| USER NAME = dennisw | DESIGNED - MAG | REVISED - |
| DRAWN - DJW | REVISOR - | REVISED - |
| CHECKED - BMA | REVISOR - | REVISED - |
| DATE - 5/15/17 | REVISOR - | REVISED - |
| PLLOT SCALE = 50.00' / 1" = | | |
| PLLOT DATE = 5/15/2017 | | |

| | | | | |
|---|----------------|---------|--------------|-----------|
| F.A.U. RTE. | SECTION NO. | COUNTY | TOTAL SHEETS | SHEET NO. |
| 4000 | 16-00136-00-RP | KENDALL | 237 | 62 |
| CONTRACT NO. 87666 | | | | |
| FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT | | | | |



LEGEND

| | | | |
|--|--|--|--------------------------------|
| | SEEDING, CLASS 2A | | PROPOSED DITCH FLOW DIRECTION |
| | SEEDING, CLASS 4A & 5 | | PERIMETER EROSION BARRIER |
| | SEEDING, CLASS 4B & 5 | | SEDIMENT CONTROL, SILT CURTAIN |
| | RIPRAP | | EXISTING RIGHT-OF-WAY |
| | HEAVY DUTY EROSION CONTROL BLANKET | | PROPOSED RIGHT-OF-WAY |
| | INLET FILTERS OR INLET & PIPE PROTECTION | | PROPOSED TEMPORARY EASEMENT |
| | TEMPORARY SEDIMENT TRAP | | |
| | TEMPORARY DITCH CHECK | | |

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| | | |
|---------------------------------|----------------|-----------|
| USER NAME = dennisw | DESIGNED - MAG | REVISED - |
| PLOT SCALE = 50.00' / 1" = 1/2" | DRAWN - DJW | REVISED - |
| PLOT DATE = 5/15/2017 | CHECKED - BMA | REVISED - |
| | DATE - 5/15/17 | REVISED - |

| | | | |
|---|-----------|-----------|--------------|
| LANDSCAPING & EROSION CONTROL PLAN | | | |
| SCHAEFER ROAD | | | |
| STA. 90+00 TO ELDAMAIN RD | | | |
| 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 | 63 |
| CONTRACT NO. 87666 | | | | |
| FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT | | | | |

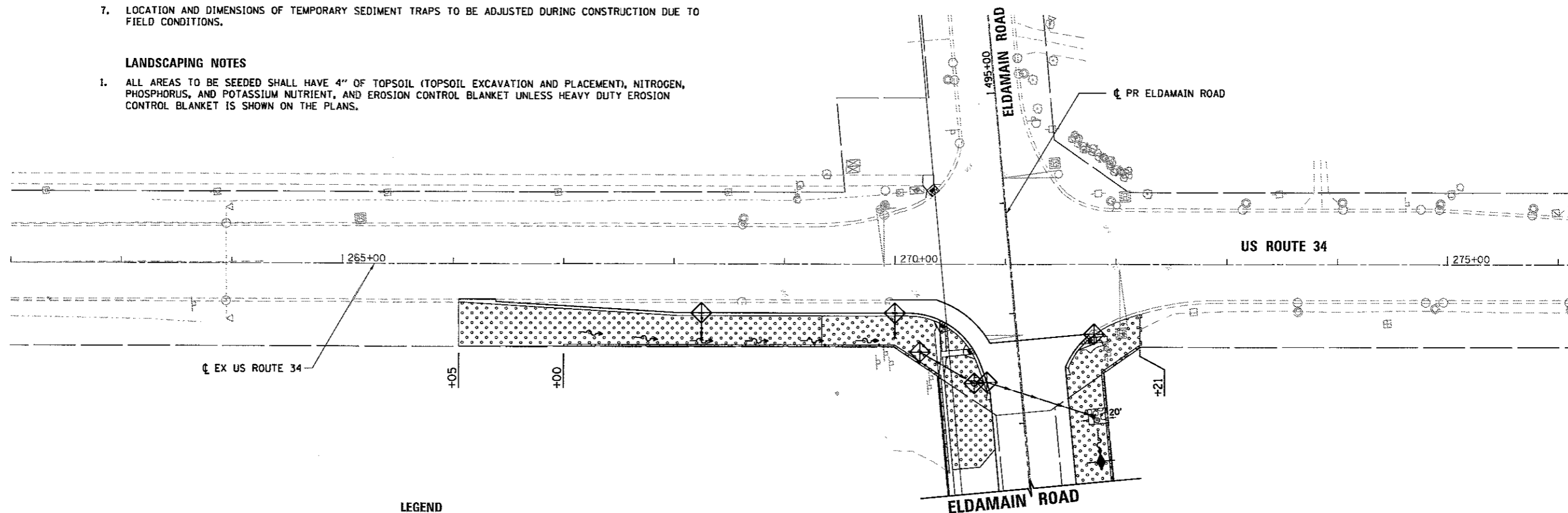


EROSION CONTROL NOTES

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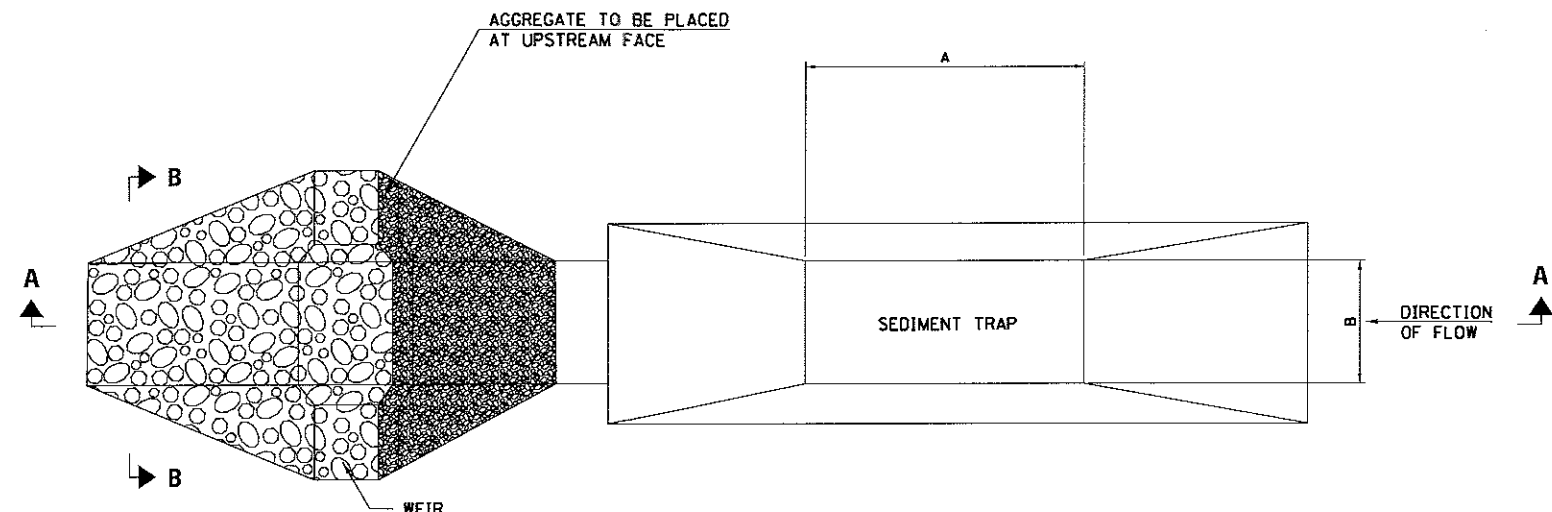
LEGEND

| | | | |
|--|--|--|--------------------------------|
| | SEEDING, CLASS 2A | | PROPOSED DITCH FLOW DIRECTION |
| | SEEDING, CLASS 4A & 5 | | PERIMETER EROSION BARRIER |
| | SEEDING, CLASS 4B & 5 | | SEDIMENT CONTROL, SILT CURTAIN |
| | RIPRAP | | EXISTING RIGHT-OF-WAY |
| | HEAVY DUTY EROSION CONTROL BLANKET | | PROPOSED RIGHT-OF-WAY |
| | INLET FILTERS OR INLET & PIPE PROTECTION | | PROPOSED TEMPORARY EASEMENT |
| | TEMPORARY SEDIMENT TRAP | | |
| | TEMPORARY DITCH CHECK | | |

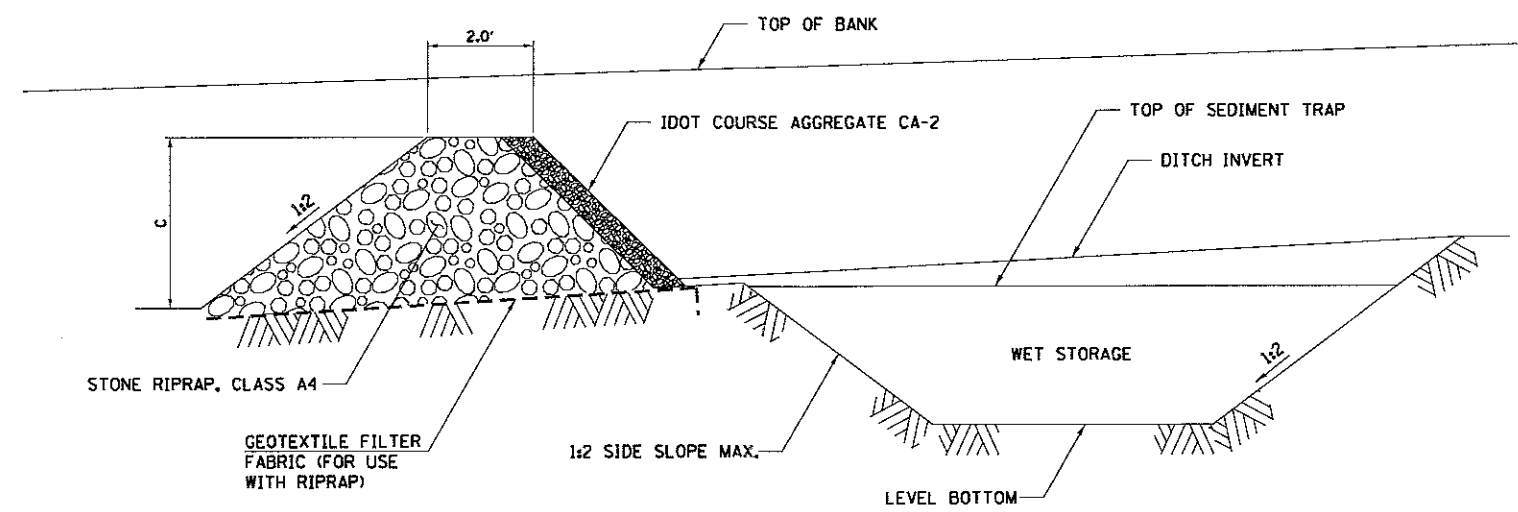
| | | |
|-----------------------------|----------------|-----------|
| USER NAME = StevenB | DESIGNED - MAG | REVISED - |
| PLOT SCALE = 500.00' / 1" = | DRAWN - DJW | REVISED - |
| PLOT DATE = 5/16/2017 | CHECKED - BMA | REVISED - |
| | DATE - 5/15/17 | REVISED - |

| F.A.J. RTE. | SECTION NO. | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|---------|--------------|-----------|
| 4000 | 16-00136-00-RP | KENDALL | 237 | 64 |
| CONTRACT NO. 87666 | | | | |

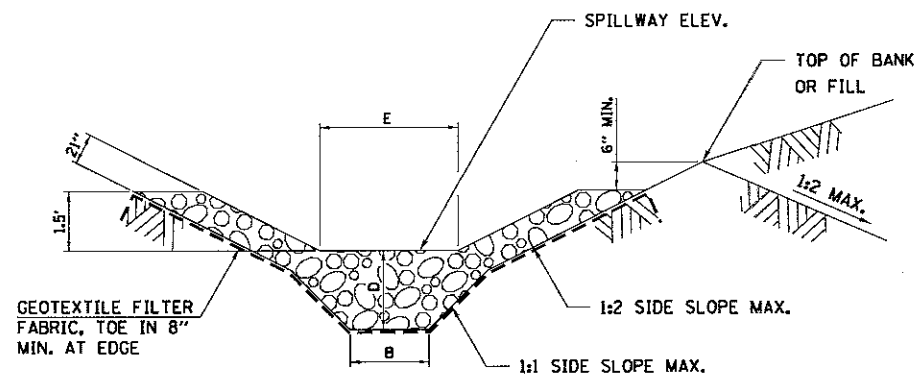
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STONE OUTLET STRUCTURE SEDIMENT TRAP
PLAN VIEW

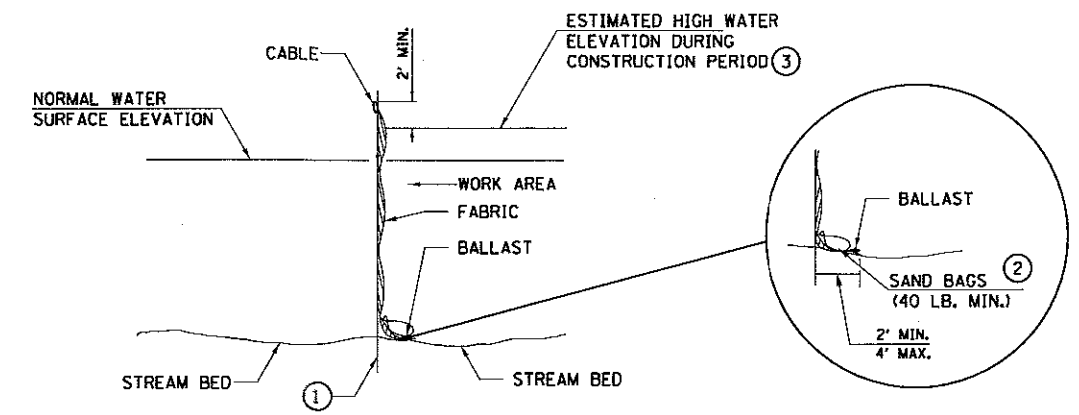


STONE OUTLET STRUCTURE SEDIMENT TRAP
SECTION A-A



STONE OUTLET STRUCTURE SEDIMENT TRAP
SECTION B-B

| TEMPORARY SEDIMENT TRAP DETAILS | | | | | EARTH EXCAVATION FOR EROSION CONTROL | | | TEMPORARY STONE OUTLET STRUCTURE | | | | | |
|---------------------------------|-------------------|---------------|--------------|-------------------|--------------------------------------|-------------------------------------|------------------|----------------------------------|-------------|----------------|-----------------------------|---------------|----|
| STATION RANGE | | BOTTOM LENGTH | BOTTOM WIDTH | WET STORAGE DEPTH | EARTH EXC. FOR CONSTRUCTION | EARTH EXC. FOR MAINTENANCE CLEANING | TOTAL EARTH EXC. | HEIGHT | WEIR HEIGHT | WEIR TOP WIDTH | AGGREGATE (EROSION CONTROL) | FILTER FABRIC | |
| FROM (DOWNSTREAM) | TO (UPSTREAM) | A (FT) | B (FT) | C (FT) | (CY) | (CY) | (CY) | D (FT) | E (FT) | F (FT) | (TONS) | (SY) | |
| 435+00.00 | 433+65.00 | 115 | 10 | 3 | 349 | 175 | 524 | 3.5 | 2 | 8 | 8 | 11 | |
| 435+00.00 | 433+40.00 | 140 | 20 | 3 | 697 | 373 | 1,070 | 3.5 | 2 | 8 | 8 | 11 | |
| 438+00.00 | 438+80.00 | 60 | 12 | 3 | 223 | 110 | 333 | 3.5 | 2 | 4 | 4 | 6 | |
| 438+75.00 | 439+90.00 | 95 | 6 | 3 | 216 | 101 | 317 | 3.5 | 2 | 4 | 4 | 6 | |
| 456+00.00 | 455+25.00 | 55 | 15 | 3 | 243 | 122 | 365 | 3.5 | 2 | 4 | 4 | 6 | |
| 457+50.00 | 458+65.00 | 95 | 13 | 3 | 352 | 180 | 532 | 3.5 | 2 | 6 | 6 | 8 | |
| 468+75.00 | 469+30.00 | 35 | 15 | 3 | 169 | 82 | 251 | 3.5 | 2 | 4 | 4 | 6 | |
| 469+50.00, 118' RT | 469+70.00, 59' RT | 35 | 17 | 3 | 186 | 91 | 277 | 3.5 | 2 | 4 | 4 | 6 | |
| | | | | | | | TOTAL | 3,668 | | | TOTALS | 45 | 60 |



SEDIMENT CONTROL, SILT CURTAIN
NO SCALE

- NOTES:
- ① DRIVEN STEEL POSTS, PIPES, OR CHANNELS. LENGTH SHALL BE SUFFICIENT TO SECURELY SUPPORT SILT CURTAIN AT HIGH WATER ELEVATIONS BUT NO MORE THAN 10' APART.
 - ② SANDBAGS TO BE USED AS ADDITIONAL BALLAST WHEN ORDERED BY THE ENGINEER TO MEET ADVERSE FIELD CONDITIONS. SPACE AS APPROPRIATE FOR SITE CONDITIONS.
 - ③ ELEVATION VALUE TO BE ESTABLISHED BY THE CONTRACTOR BASED ON THE TIME OF YEAR AND DURATION OF THE ACTIVITY.
 - ④ IF FLUCTUATING WATER ELEVATIONS ARE EXPERIENCED, PROVISIONS SHOULD BE MADE TO ALLOW THE WATER TO EQUALIZE ON EACH SIDE OF THE BARRIER. THIS MAY BE ACCOMPLISHED BY LEAVING A PORTION OF THE CURTAIN OPEN ON THE UPSTREAM END.

PROPOSED STORM SEWER & PIPE CULVERTS SCHEDULE

| PIPE NO. | FROM | TO | LENGTH (FT) | DIA (IN) | PIPE TYPE | SLOPE(%) | D.I. | U.I. | TRENCH BACKFILL (CY) |
|----------|------|-----|-------------|----------|---------------------------------------|----------|--------|--------------|----------------------|
| 100 | 100 | 101 | 144 | 21 | STORM SEWERS, CLASS A, TYPE 2 | 0.50% | 609.67 | 610.39 | |
| 101 | 101 | 102 | 93 | 15 | STORM SEWERS, CLASS A, TYPE 2 | 1.00% | 611.09 | 612.02 | |
| 102 | 102 | 103 | 21 | 12 | STORM SEWERS, CLASS A, TYPE 2 | 1.00% | 615.26 | 615.47 | 0.6 |
| 103 | 102 | 104 | 130 | 15 | STORM SEWERS, CLASS A, TYPE 2 | 1.00% | 612.22 | 613.52 | 28.4 |
| 104 | 104 | 105 | 101 | 15 | STORM SEWERS, CLASS A, TYPE 2 | 1.00% | 613.72 | 614.73 | 35.0 |
| 105 | 105 | 106 | 126 | 15 | STORM SEWERS, CLASS A, TYPE 2 | 1.00% | 614.93 | 616.19 | 26.2 |
| 106 | 106 | 107 | 57 | 12 | STORM SEWERS, CLASS A, TYPE 2 | 6.00% | 617.32 | 620.74 | 6.3 |
| 107 | 108 | 109 | 46 | 15 | PIPE CULVERTS, CLASS D, TYPE 1 | 0.38% | 621.63 | 621.80 | 2.4 |
| 110 | 101 | 110 | 21 | 15 | STORM SEWERS, CLASS A, TYPE 2 | 2.00% | 611.10 | 611.52 | 2.8 |
| 111 | 110 | 111 | 69 | 12 | STORM SEWERS, CLASS A, TYPE 2 | 2.00% | 611.92 | 613.30 | 83.4 |
| 112 | 111 | 112 | 99 | 12 | STORM SEWERS, CLASS A, TYPE 2 | 2.00% | 613.50 | 615.48 | 2.2 |
| 113 | 112 | 113 | 6 | 12 | STORM SEWERS, CLASS A, TYPE 2 | 5.00% | 617.58 | 617.88 | 0.3 |
| 114 | 112 | 114 | 54 | 12 | STORM SEWERS, CLASS A, TYPE 2 | 3.50% | 615.85 | 617.74 | |
| 115 | 115 | 116 | 41 | 15 | PIPE CULVERTS, CLASS D, TYPE 1 | 1.04% | 619.01 | 619.44 | 1.0 |
| 116 | 117 | 118 | 41 | 15 | PIPE CULVERTS, CLASS D, TYPE 1 | 1.02% | 620.61 | 621.03 | 0.7 |
| 117 | 119 | 120 | 46 | 15 | PIPE CULVERTS, CLASS D, TYPE 1 | 0.96% | 620.81 | 621.25 | 1.3 |
| 118 | 121 | 122 | 42 | 12 | PIPE CULVERTS, CLASS D, TYPE 1 | 1.02% | 623.76 | 624.18 | 0.8 |
| 119 | 123 | 124 | 42 | 12 | PIPE CULVERTS, CLASS D, TYPE 1 | 1.00% | 625.12 | 625.53 | 0.6 |
| 120 | 125 | 126 | 46 | 12 | STORM SEWERS, CLASS A, TYPE 2 | 2.00% | 610.64 | 611.56 | 4.0 |
| 121 | 127 | 128 | 59 | 12 | STORM SEWERS, CLASS A, TYPE 2 | 2.00% | 608.37 | 609.53 | 4.0 |
| 122 | 129 | 130 | 60 | 12 | STORM SEWERS, CLASS A, TYPE 2 | 2.00% | 611.36 | 612.52 | 4.0 |
| 123 | 131 | 132 | 36 | 12 | STORM SEWERS, CLASS A, TYPE 1 | 1.00% | 628.41 | 628.74 | 3.5 |
| 124 | 133 | 134 | 46 | 24 | STORM SEWERS, CLASS A, TYPE 1 | 0.60% | 613.62 | 613.89 | 5.1 |
| 125 | 134 | 135 | 36 | 24 | STORM SEWERS, CLASS A, TYPE 1 | 4.00% | 614.08 | 615.52 | 3.3 |
| 126 | 134 | 136 | 24 | 12 | STORM SEWERS, CLASS A, TYPE 2 | 0.60% | 614.29 | 614.44 | 3.9 |
| 127 | 136 | 137 | 197 | 12 | STORM SEWERS, CLASS A, TYPE 2 | 0.60% | 614.64 | 615.82 | 15.0 |
| 128 | 137 | 138 | 6 | 12 | STORM SEWERS, CLASS A, TYPE 1 | 4.00% | 617.22 | 617.46 | 0.3 |
| 129 | 137 | 139 | 196 | 12 | STORM SEWERS, CLASS A, TYPE 2 | 1.00% | 616.02 | 617.98 | |
| 130 | 139 | 140 | 6 | 12 | STORM SEWERS, CLASS A, TYPE 1 | 4.00% | 619.68 | 619.92 | 0.3 |
| 131 | 141 | 142 | 45 | 24 | STORM SEWERS, CLASS A, TYPE 1 | 0.61% | 613.62 | 613.89 | 5.1 |
| 132 | 142 | 143 | 36 | 24 | STORM SEWERS, CLASS A, TYPE 1 | 4.20% | 614.08 | 615.58 | 3.3 |
| 133 | 142 | 144 | 9 | 12 | STORM SEWERS, CLASS A, TYPE 2 | 0.60% | 614.08 | 614.13 | |
| 134 | 144 | 145 | 9 | 12 | STORM SEWERS, CLASS A, TYPE 2 | 0.60% | 614.23 | 614.28 | 0.4 |
| 135 | 145 | 146 | 55 | 12 | STORM SEWERS, CLASS A, TYPE 2 | 0.60% | 614.38 | 614.71 | 8.4 |
| 136 | 146 | 147 | 80 | 12 | STORM SEWERS, CLASS A, TYPE 2 | 0.60% | 614.81 | 615.29 | 10.6 |
| 137 | 147 | 148 | 98 | 12 | STORM SEWERS, CLASS A, TYPE 2 | 1.00% | 615.39 | 616.37 | 6.5 |
| 138 | 149 | 150 | 36 | 12 | STORM SEWERS, CLASS A, TYPE 1 | 1.50% | 617.41 | 617.95 | 4.0 |
| 139 | 151 | 152 | 31 | 12 | STORM SEWERS, CLASS A, TYPE 1 | 0.60% | 618.45 | 618.63 | 2.9 |
| 140 | 152 | 153 | 6 | 12 | STORM SEWERS, CLASS A, TYPE 1 | 4.00% | 618.88 | 619.12 | 0.3 |
| 141 | 154 | 155 | 180 | 18 | STORM SEWERS, CLASS A, TYPE 2 | 0.30% | 617.42 | 617.96 | 17.6 |
| 142 | 155 | 156 | 23 | 12 | STORM SEWERS, CLASS A, TYPE 1 | 2.00% | 618.42 | 618.88 | |
| 143 | 155 | 157 | 9 | 15 | STORM SEWERS, CLASS A, TYPE 2 | 0.60% | 618.36 | 618.42 | |
| 144 | 157 | 158 | 218 | 15 | STORM SEWERS, CLASS A, TYPE 2 | 0.60% | 618.62 | 619.93 | 123.0 |
| 145 | 158 | 159 | 71 | 12 | STORM SEWERS, CLASS A, TYPE 2 | 1.50% | 620.13 | 621.20 | 57.2 |
| 146 | 158 | 160 | 106 | 12 | STORM SEWERS, CLASS A, TYPE 2 | 3.00% | 623.63 | 626.87 | 18.3 |
| 147 | 161 | 162 | 63 | 12 | STORM SEWERS, CLASS A, TYPE 1 | 1.20% | 630.24 | 631.00 | 7.9 |
| 148 | 163 | 164 | 164 | 24 | PIPE CULVERTS, CLASS A, TYPE 2 | 0.37% | 627.09 | 627.70 | 46.9 |
| 149 | 165 | 166 | 14 | 15 | STORM SEWERS, CLASS A, TYPE 2 | 1.00% | 627.88 | 628.02 | |
| 150 | 166 | 167 | 123 | 15 | STORM SEWER (WATER MAIN REQUIREMENTS) | 1.00% | 628.22 | 629.43 | 71.7 |
| 151 | 167 | 168 | 23 | 12 | STORM SEWERS, CLASS A, TYPE 2 | 3.00% | 629.72 | 630.41 | 0.4 |
| 152 | - | 170 | 4 | 12 | STORM SEWERS, CLASS A, TYPE 1 | 1.25% | 632.15 | 632.10 | 2.3 |
| 153 | 171 | 172 | 83 | 36 | PIPE CULVERTS, CLASS A, TYPE 1 | 0.21% | 622.85 | 623.02 | 39.8 |
| 154 | 173 | 174 | 95 | 18 | STORM SEWERS, CLASS A, TYPE 2 | 0.30% | 630.52 | 630.80 | 24.6 |
| 155 | 174 | 175 | 8 | 15 | STORM SEWERS, CLASS A, TYPE 2 | 0.70% | 630.90 | 630.96 | 0.6 |
| 156 | 175 | 176 | 49 | 12 | STORM SEWERS, CLASS A, TYPE 2 | 3.50% | 631.08 | 632.79 | 0.3 |
| 157 | 177 | 178 | 16 | 12 | STORM SEWERS, CLASS A, TYPE 1 | 4.40% | 633.75 | 634.45 | 0.3 |
| 158 | 179 | 180 | 18 | 12 | STORM SEWERS, CLASS A, TYPE 1 | 4.40% | 634.34 | 635.13 | 0.3 |
| | | | | | | | | TOTAL | 688 |

NOTE: PIPE INVERTS PROVIDED REPRESENT WHERE THE PIPE MEETS THE END SECTION WHERE APPLICABLE.

| BOUNDARY LINES/SYMBOLS | EXISTING | PROPOSED |
|--------------------------|----------|----------|
| SUMMIT | | ↔ |
| DIRECTION OF DITCH FLOW | ~> | ~> |
| PIPE CULVERT | ---- | ---- |
| STORM SEWER | —▲— | —▲— |
| CATCH BASIN | ○ | ● |
| INLET | ∩ | - |
| MANHOLE | ○ | ⊙ |
| PIPE CULVERT END SECTION | ◁ | ◁ |
| STONE RIPRAP | | ⊞ |

| BOUNDARY LINES/SYMBOLS | PROPOSED |
|-----------------------------|----------|
| PROPOSED STRUCTURE ID | XXX |
| PROPOSED STORM SEWER ID | XXX |
| VALVE VAULTS TO BE ADJUSTED | (A)VV |

EXISTING STRUCTURE ADJUSTMENTS AND REMOVALS

| ROADWAY | STATION | OFFSET | RT/LT | VALVE VAULTS TO BE ADJUSTED | REMOVING MANHOLES | REMOVING INLETS |
|---------------|-----------|--------|-------|-----------------------------|-------------------|-----------------|
| ELDAMAIN | 480+71.89 | 63.86 | LT | | 1 | |
| ELDAMAIN | 481+45.78 | 64.66 | LT | | | 1 |
| ELDAMAIN | 481+52.58 | 82.07 | LT | 1 | | |
| ELDAMAIN | 482+76.89 | 56.79 | RT | | | 1 |
| US 34 | 268+61.68 | 34.33 | RT | | | 1 |
| US 34 | 268+61.99 | 40.86 | RT | | 1 | |
| US 34 | 269+95.26 | 34.31 | RT | | | 1 |
| US 34 | 269+93.91 | 44.19 | RT | | 1 | |
| US 34 | 270+60.51 | 54.30 | RT | | | 1 |
| TOTALS | | | | 1 | 3 | 5 |

KENDALL COUNTY HIGHWAY DEPARTMENT

DRAINAGE SCHEDULE AND LEGEND

| | | | | | | | |
|--------|---------------------|--------------|------------------|----------------------------|----------------|------------------|--------------|
| 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. 66 |
|--------|---------------------|--------------|------------------|----------------------------|----------------|------------------|--------------|

FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT CONTRACT NO. 87666



| | | |
|-----------------------------|----------------|-----------|
| USER NAME = StevenB | DESIGNED - MAG | REVISED - |
| PLOT SCALE = 50.0000' / in. | DRAWN - DJW | REVISED - |
| PLOT DATE = 5/16/2017 | CHECKED - BMA | REVISED - |
| | DATE - 5/15/17 | REVISED - |

PROPOSED DRAINAGE STRUCTURE SCHEDULE

| STRUCTURE NO. | STRUCTURE TYPE | ROADWAY | STATION | OFFSET | RIM ELEV | INV (N) | INV (E) | INV (S) | INV (W) |
|---------------|--|---------------|-----------|-----------|----------|---------|---------|---------|---------|
| 100 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 21" | ELDAMAIN ROAD | 425+36.23 | 49.70' LT | - | 609.64 | | | |
| 101 | MANHOLES - TYPE A, 4'-DIAMETER, TYPE 8 GRATE | RIVER ROAD | 620+02.94 | 76.90' RT | 622.50 | | 611.10 | 610.39 | 611.09 |
| 102 | MANHOLES - TYPE A, 4'-DIAMETER, TYPE 8 GRATE | RIVER ROAD | 619+15.00 | 45.29' RT | 619.26 | 615.26 | 612.02 | | 612.22 |
| 103 | INLETS - TYPE A, TYPE 24 FRAME AND GRATE | RIVER ROAD | 619+35.64 | 32.12' RT | 620.94 | | | 615.47 | |
| 104 | MANHOLES - TYPE A, 4'-DIAMETER, TYPE 8 GRATE | RIVER ROAD | 617+85.00 | 40.01' RT | 619.64 | | 613.52 | | 613.72 |
| 105 | MANHOLES - TYPE A, 4'-DIAMETER, TYPE 8 GRATE | RIVER ROAD | 616+80.00 | 36.02' RT | 620.19 | | 614.73 | | 614.93 |
| 106 | MANHOLES - TYPE A, 4'-DIAMETER, TYPE 8 GRATE | RIVER ROAD | 615+50.00 | 33.01' RT | 621.21 | | 616.19 | | 617.32 |
| 107 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12" | RIVER ROAD | 614+85.00 | 33.73' RT | - | | 621.10 | | |
| 108 | METAL END SECTIONS 15" | RIVER ROAD | 613+50.00 | 31.60' RT | - | | | | 621.97 |
| 109 | METAL END SECTIONS 15" | RIVER ROAD | 613+00.00 | 31.60' RT | - | | 621.81 | | |
| 110 | MANHOLES - TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE | RIVER ROAD | 620+27.45 | 80.61' RT | 622.74 | | 611.92 | | 611.52 |
| 111 | MANHOLES - TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE | RIVER ROAD | 621+00.44 | 91.43' RT | 623.17 | | 613.50 | | 613.30 |
| 112 | MANHOLES - TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID | RIVER ROAD | 621+88.02 | 37.06' RT | 622.00 | 617.58 | 615.85 | | 615.48 |
| 113 | INLETS - TYPE A, TYPE 24 FRAME AND GRATE | RIVER ROAD | 621+85.03 | 28.81' RT | 621.30 | | | 617.88 | |
| 114 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12" | RIVER ROAD | 622+50.00 | 38.42' RT | - | | | | 617.95 |
| 115 | METAL END SECTIONS 15" | RIVER ROAD | 625+00.00 | 36.30' RT | - | | 619.00 | | |
| 116 | METAL END SECTIONS 15" | RIVER ROAD | 625+45.00 | 36.30' RT | - | | | | 619.46 |
| 117 | METAL END SECTIONS 15" | RIVER ROAD | 626+55.00 | 34.50' RT | - | | 620.59 | | |
| 118 | METAL END SECTIONS 15" | RIVER ROAD | 627+00.00 | 33.50' RT | - | | | | 621.05 |
| 119 | METAL END SECTIONS 15" | RIVER ROAD | 627+30.00 | 34.45' LT | - | | 620.79 | | |
| 120 | METAL END SECTIONS 15" | RIVER ROAD | 627+80.00 | 33.63' LT | - | | | | 621.27 |
| 121 | METAL END SECTIONS 12" | RIVER ROAD | 629+60.00 | 29.30' RT | - | | 623.84 | | |
| 122 | METAL END SECTIONS 12" | RIVER ROAD | 630+05.00 | 28.00' RT | - | | | | 624.20 |
| 123 | METAL END SECTIONS 12" | RIVER ROAD | 630+75.00 | 26.60' RT | - | | 625.12 | | |
| 124 | METAL END SECTIONS 12" | RIVER ROAD | 631+20.00 | 26.00' RT | - | | | | 625.55 |
| 125 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12" | ELDAMAIN ROAD | 434+00.00 | 53.33' LT | - | | 610.52 | | |
| 126 | INLETS - TYPE A, TYPE 8 GRATE | ELDAMAIN ROAD | 434+00.00 | 0.00' | 617.12 | | | | 611.56 |
| 127 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12" | ELDAMAIN ROAD | 438+75.00 | 65.66' LT | - | | 608.25 | | |
| 128 | INLETS - TYPE A, TYPE 8 GRATE | ELDAMAIN ROAD | 438+75.00 | 0.00' | 617.90 | | | | 609.53 |
| 129 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12" | ELDAMAIN ROAD | 440+00.00 | 66.80' LT | - | | 611.24 | | |
| 130 | INLETS - TYPE A, TYPE 8 GRATE | ELDAMAIN ROAD | 440+00.00 | 0.03' RT | 621.21 | | | | 612.52 |
| 131 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12" | ELDAMAIN ROAD | 445+50.00 | 44.55' LT | - | | 628.35 | | |
| 132 | INLETS - TYPE A, TYPE 8 GRATE | ELDAMAIN ROAD | 445+50.00 | 2.36' LT | 632.07 | | | | 628.74 |
| 133 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24" | ELDAMAIN ROAD | 456+52.27 | 48.00' LT | - | | 613.58 | | |
| 134 | MANHOLES - TYPE A, 4'-DIAMETER, TYPE 8 GRATE | ELDAMAIN ROAD | 456+76.09 | 0.00' | 618.86 | | 614.29 | 614.29 | 613.89 |
| 135 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24" | ELDAMAIN ROAD | 456+93.86 | 40.00' RT | - | | | | 615.76 |
| 136 | MANHOLES - TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE | ELDAMAIN ROAD | 456+50.00 | 9.00' RT | 619.05 | 614.44 | | 614.64 | |
| 137 | MANHOLES - TYPE A, 4'-DIAMETER, TYPE 8 GRATE | ELDAMAIN ROAD | 454+50.00 | 0.00' | 620.78 | 615.82 | | 616.02 | 617.22 |
| 138 | INLETS - TYPE A, TYPE 24 FRAME AND GRATE | ELDAMAIN ROAD | 454+50.00 | 9.00' LT | 620.90 | | 617.46 | | |
| 139 | MANHOLES - TYPE A, 4'-DIAMETER, TYPE 8 GRATE | ELDAMAIN ROAD | 452+50.00 | 0.00' | 623.24 | 617.98 | | | 619.68 |
| 140 | INLETS - TYPE A, TYPE 24 FRAME AND GRATE | ELDAMAIN ROAD | 452+50.00 | 9.00' LT | 623.36 | | 619.92 | | |
| 141 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24" | ELDAMAIN ROAD | 456+64.04 | 48.00' LT | - | | 613.58 | | |
| 142 | MANHOLES - TYPE A, 4'-DIAMETER, TYPE 8 GRATE | ELDAMAIN ROAD | 456+87.07 | 0.00' | 618.84 | 614.08 | 614.08 | | 613.89 |
| 143 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24" | ELDAMAIN ROAD | 457+04.30 | 40.00' RT | - | | | | 615.84 |
| 144 | MANHOLES - TYPE A, 4'-DIAMETER, TYPE 8 GRATE | ELDAMAIN ROAD | 457+00.00 | 0.00' | 618.83 | 614.23 | | 614.13 | |
| 145 | MANHOLES - TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE | ELDAMAIN ROAD | 457+09.00 | 9.00' RT | 618.95 | 614.38 | | 614.28 | |
| 146 | MANHOLES - TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE | ELDAMAIN ROAD | 457+67.00 | 9.00' RT | 619.05 | 614.81 | | 614.71 | |
| 147 | MANHOLES - TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE | ELDAMAIN ROAD | 458+50.00 | 9.00' RT | 619.45 | 615.39 | | 615.29 | |
| 148 | INLETS - TYPE A, TYPE 8 GRATE | ELDAMAIN ROAD | 459+50.00 | 0.00' | 619.83 | | | 616.37 | |
| 149 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12" | ELDAMAIN ROAD | 462+00.00 | 42.93' LT | - | | 617.32 | | |
| 150 | INLETS - TYPE A, TYPE 8 GRATE | ELDAMAIN ROAD | 462+00.00 | 0.00' | 621.32 | | | | 617.95 |
| 151 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12" | ELDAMAIN ROAD | 464+50.00 | 47.82' LT | - | | 618.41 | | |
| 152 | MANHOLES - TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE | ELDAMAIN ROAD | 464+50.00 | 9.00' LT | 622.66 | | 618.88 | | 618.63 |
| 153 | INLETS - TYPE A, TYPE 8 GRATE | ELDAMAIN ROAD | 464+50.00 | 0.00' | 622.54 | | | | 619.12 |
| 154 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18" | ELDAMAIN ROAD | 467+85.00 | 50.00' LT | - | 617.40 | | | |
| 155 | MANHOLES - TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID | ELDAMAIN ROAD | 469+70.00 | 50.00' LT | 622.00 | 618.42 | 618.36 | 617.96 | |
| 156 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12" | ELDAMAIN ROAD | 470+00.00 | 53.11' LT | - | | | 619.00 | |
| 157 | MANHOLES - TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID | ELDAMAIN ROAD | 469+70.00 | 37.00' LT | 624.50 | 618.62 | | | 618.42 |
| 158 | MANHOLES - TYPE A, 4' DIAMETER, TYPE 24 FRAME AND GRATE | ELDAMAIN ROAD | 471+90.00 | 29.00' LT | 629.43 | 623.63 | 620.13 | 619.93 | |
| 159 | INLETS - TYPE A, TYPE 8 GRATE | ELDAMAIN ROAD | 471+89.90 | 44.69' RT | 623.18 | | | | 621.20 |
| 160 | INLETS - TYPE A, TYPE 24 FRAME AND GRATE | ELDAMAIN ROAD | 473+00.00 | 29.00' LT | 630.26 | | | 626.87 | |
| 161 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12" | ELDAMAIN ROAD | 475+50.00 | 40.92' RT | - | | | | 630.17 |
| 162 | INLETS - TYPE A, TYPE 24 FRAME AND GRATE | ELDAMAIN ROAD | 475+50.00 | 29.00' LT | 634.39 | | 631.00 | | |
| 163 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24" | ELDAMAIN ROAD | 482+00.00 | 57.04' RT | - | | | 627.07 | |
| 164 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24" | ELDAMAIN ROAD | 480+25.00 | 59.22' RT | - | 627.72 | | | |
| 165 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15" | ELDAMAIN ROAD | 482+00.00 | 54.02' LT | - | | | 627.82 | |
| 166 | MANHOLES - TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID | ELDAMAIN ROAD | 481+80.00 | 44.76' LT | 634.20 | 628.02 | | 628.22 | |
| 167 | MANHOLES - TYPE A, 4' DIAMETER, TYPE 11 FRAME AND GRATE | ELDAMAIN ROAD | 480+55.00 | 44.76' LT | 634.50 | 629.43 | | 629.72 | |

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

| | | |
|-------------------------|----------------|-----------|
| USER NAME = StevenB | DESIGNED - MAG | REVISED - |
| PLOT SCALE = 5/8"=1'-0" | DRAWN - DJW | REVISED - |
| PLOT DATE = 5/15/2017 | CHECKED - BMA | REVISED - |
| | DATE - 5/15/17 | REVISED - |

KENDALL COUNTY HIGHWAY DEPARTMENT

| | | | |
|--------------------------|--------------|--------|--------------|
| DRAINAGE SCHEDULE | | | |
| 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 | 67 |
| FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT | | | CONTRACT NO. 87666 | |

PROPOSED DRAINAGE STRUCTURE SCHEDULE (CONTINUED)

| STRUCTURE NO. | STRUCTURE TYPE | ROADWAY | STATION | OFFSET | RIM ELEV | INV (N) | INV (E) | INV (S) | INV (W) |
|---------------|---|---------------|-----------|-----------|----------|---------|---------|---------|---------|
| 168 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12" | ELDAMAIN ROAD | 480+25.00 | 48.53' LT | - | 630.59 | | | |
| 169 | MANHOLES - TYPE A, 4' DIAMETER, TYPE 11 FRAME AND GRATE | ELDAMAIN ROAD | 481+48.25 | 64.70' LT | 634.58 | | | 632.33 | |
| 170 | MANHOLES - TYPE A, 4' DIAMETER, TYPE 11 FRAME AND GRATE | ELDAMAIN ROAD | 480+69.69 | 65.66' LT | 634.75 | 632.10 | | | |
| 171 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36" | ELDAMAIN ROAD | 486+00.00 | 50.00' RT | - | | | | 622.83 |
| 172 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36" | ELDAMAIN ROAD | 486+00.00 | 49.00' LT | - | | 623.04 | | |
| 173 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18" | ELDAMAIN ROAD | 492+00.00 | 63.50' RT | - | | | | 630.50 |
| 174 | INLETS - TYPE A, TYPE 24 FRAME AND GRATE | ELDAMAIN ROAD | 492+40.00 | 31.05' LT | 636.50 | | 630.80 | | 630.90 |
| 175 | MANHOLES - TYPE A, 4'-DIAMETER, TYPE 8 GRATE | ELDAMAIN ROAD | 492+40.00 | 42.50' LT | 634.00 | | 630.96 | | 631.08 |
| 176 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12" | ELDAMAIN ROAD | 492+72.77 | 89.00' LT | - | | 633.00 | | |
| 177 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12" | US ROUTE 34 | 270+00.00 | 67.26' RT | - | 633.48 | | | |
| 178 | INLETS - TYPE A, TYPE 24 FRAME AND GRATE | US ROUTE 34 | 270+00.00 | 44.26' RT | 637.80 | | | 634.45 | |
| 179 | PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12" | US ROUTE 34 | 268+25.00 | 69.28' RT | - | 634.07 | | | |
| 180 | INLETS - TYPE A, TYPE 24 FRAME AND GRATE | US ROUTE 34 | 268+25.00 | 44.21' RT | 638.58 | | | 635.13 | |
| 181 | INLETS, TYPE A, SPECIAL | ELDAMAIN ROAD | 436+75.00 | 0.00' | 615.40 | - | - | - | - |

FILE NAME: H:\A\1600-1601\1601-001\1601-001-001.dwg PLOT DATE: 5/15/2017 10:48:00 AM

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

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

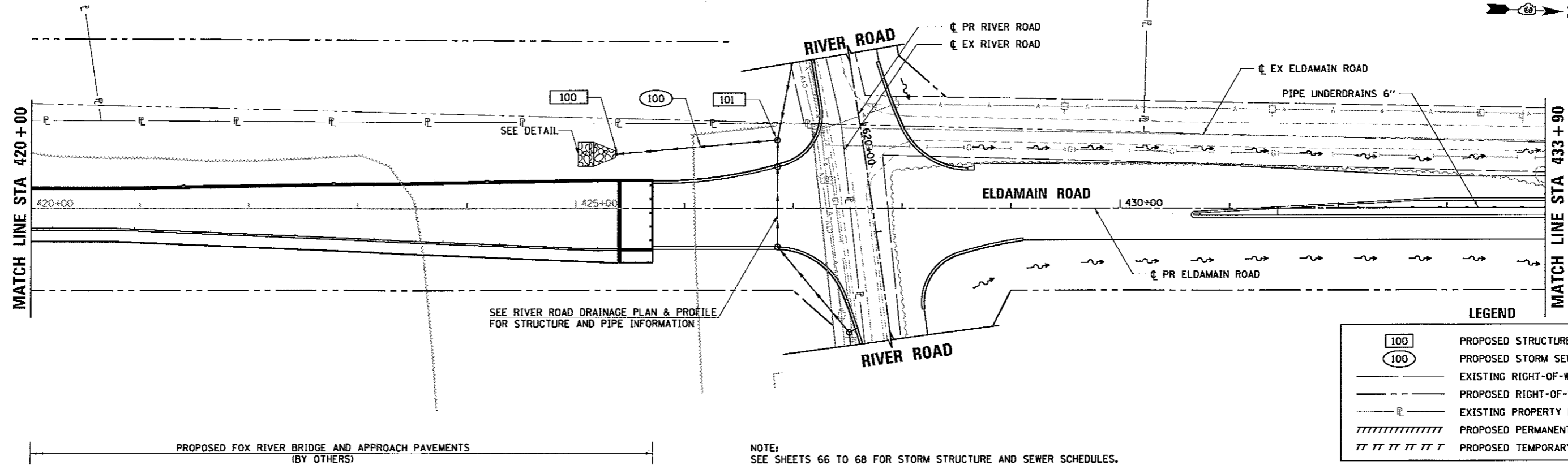
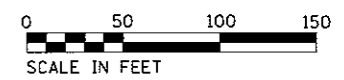
KENDALL COUNTY HIGHWAY DEPARTMENT

DRAINAGE SCHEDULE

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

| F.A.J. RTE. | SECTION NO. | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------------|----------------|---------|--------------|-----------|
| 4000 | 16-00136-00-RP | KENDALL | 237 | 68 |
| CONTRACT NO. 87666 | | | | |

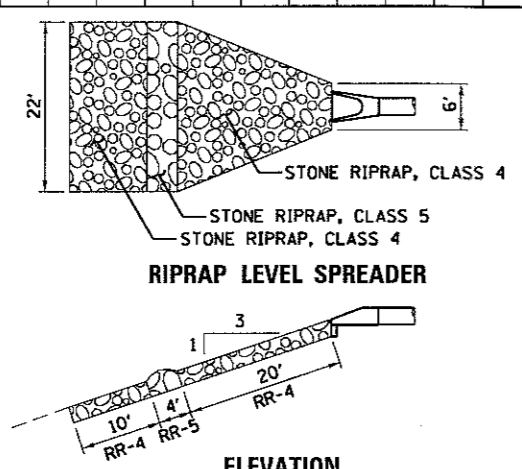
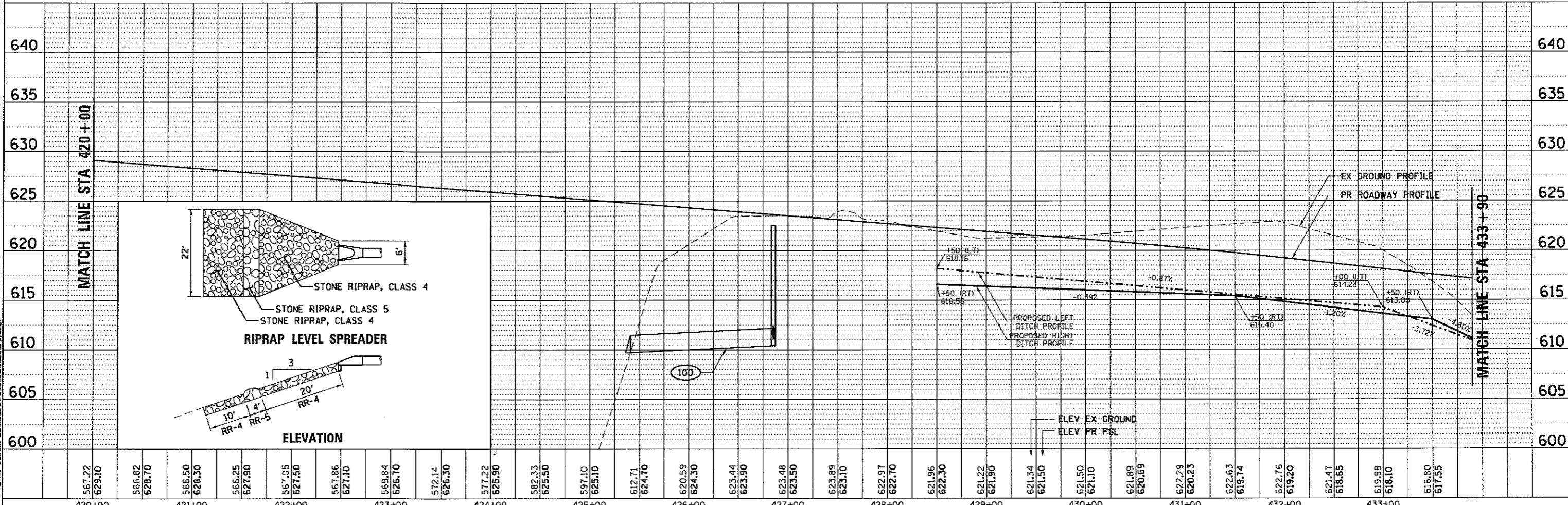
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT



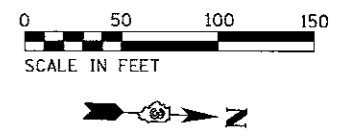
LEGEND

| | |
|---|-----------------------------|
| 100 | PROPOSED STRUCTURE ID |
| 100 | PROPOSED STORM SEWER ID |
| --- | EXISTING RIGHT-OF-WAY |
| - - - - | PROPOSED RIGHT-OF-WAY |
| — P — | EXISTING PROPERTY LINE |
| | PROPOSED PERMANENT EASEMENT |
| TTTTTTTT | PROPOSED TEMPORARY EASEMENT |

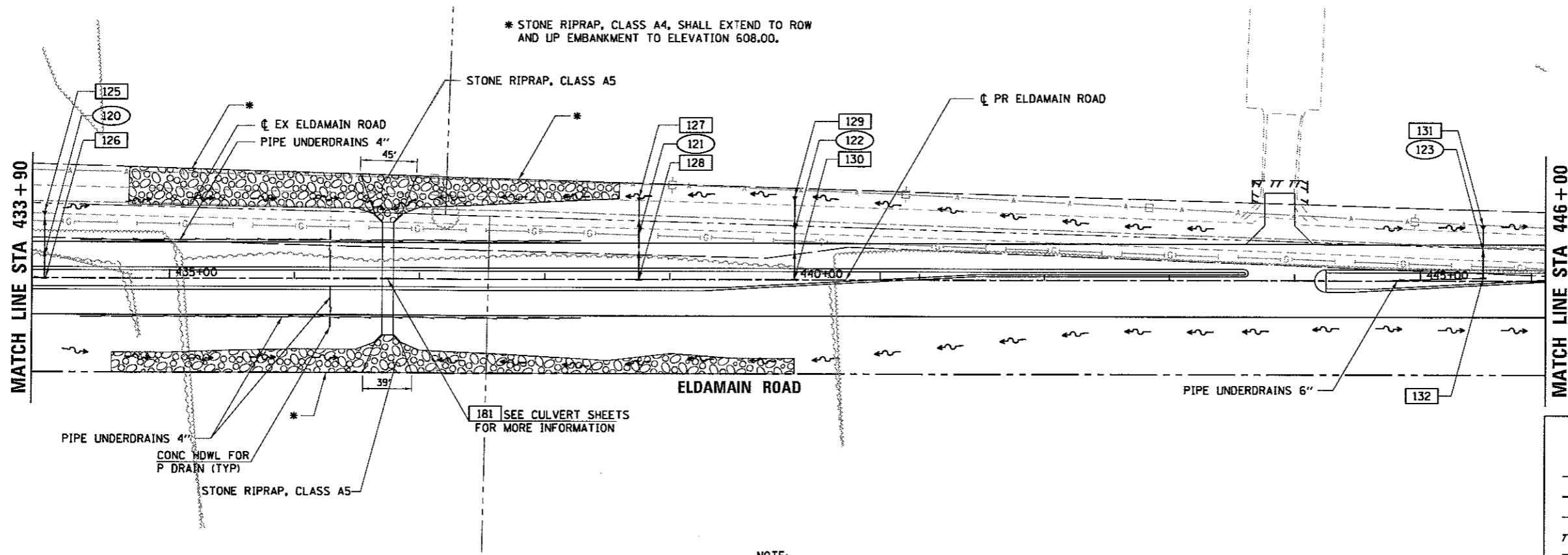
NOTE:
SEE SHEETS 66 TO 68 FOR STORM STRUCTURE AND SEWER SCHEDULES.



| | | | | | | | | | | |
|--|--|---|---|---|---|-------------------------|-----------------------------------|-----------------------|-------------------------|---------------------|
| <p>1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200</p> | <p>USER NAME = StevenB</p> <p>PLOT SCALE = 50.00' / in.</p> <p>PLOT DATE = 5/16/2017</p> | <p>DESIGNED - MAG</p> <p>DRAWN - DJW</p> <p>CHECKED - BMA</p> <p>DATE - 5/15/17</p> | <p>REVISED -</p> <p>REVISED -</p> <p>REVISED -</p> <p>REVISED -</p> | <p>KENDALL COUNTY HIGHWAY DEPARTMENT</p> | <p>DRAINAGE PLAN & PROFILE ELDAMAIN ROAD STA. 420+00 TO 433+00</p> | <p>F.A.J. RTE. 4000</p> | <p>SECTION NO. 16-00136-00-RP</p> | <p>COUNTY KENDALL</p> | <p>TOTAL SHEETS 237</p> | <p>SHEET NO. 69</p> |
| <p>SCALE: SHEET NO. OF SHEETS STA. TO STA.</p> | | | | | <p>FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT</p> | | | | | |



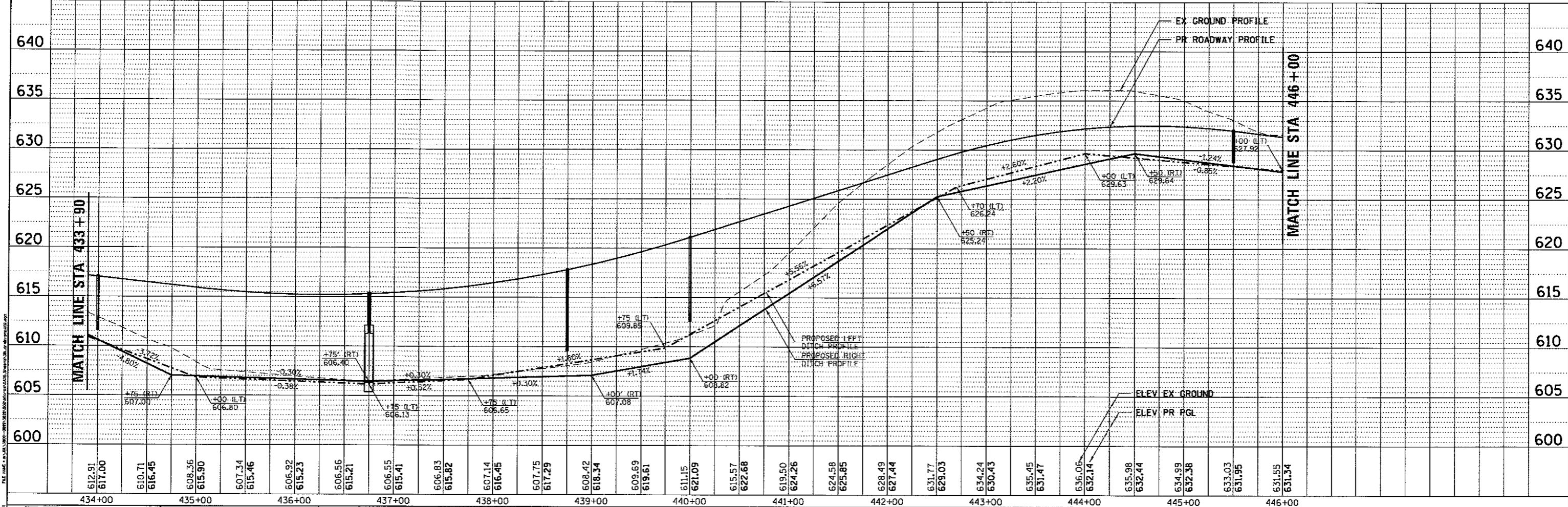
* STONE RIPRAP, CLASS A4, SHALL EXTEND TO ROW AND UP EMBANKMENT TO ELEVATION 608.00.



LEGEND

| | |
|---------|-----------------------------|
| [100] | PROPOSED STRUCTURE ID |
| (100) | PROPOSED STORM SEWER ID |
| --- | EXISTING RIGHT-OF-WAY |
| - - - - | PROPOSED RIGHT-OF-WAY |
| — P — | EXISTING PROPERTY LINE |
| | PROPOSED PERMANENT EASEMENT |
| /// | PROPOSED TEMPORARY EASEMENT |

NOTE:
SEE SHEETS 66 TO 68 FOR STORM STRUCTURE AND SEWER SCHEDULES.



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

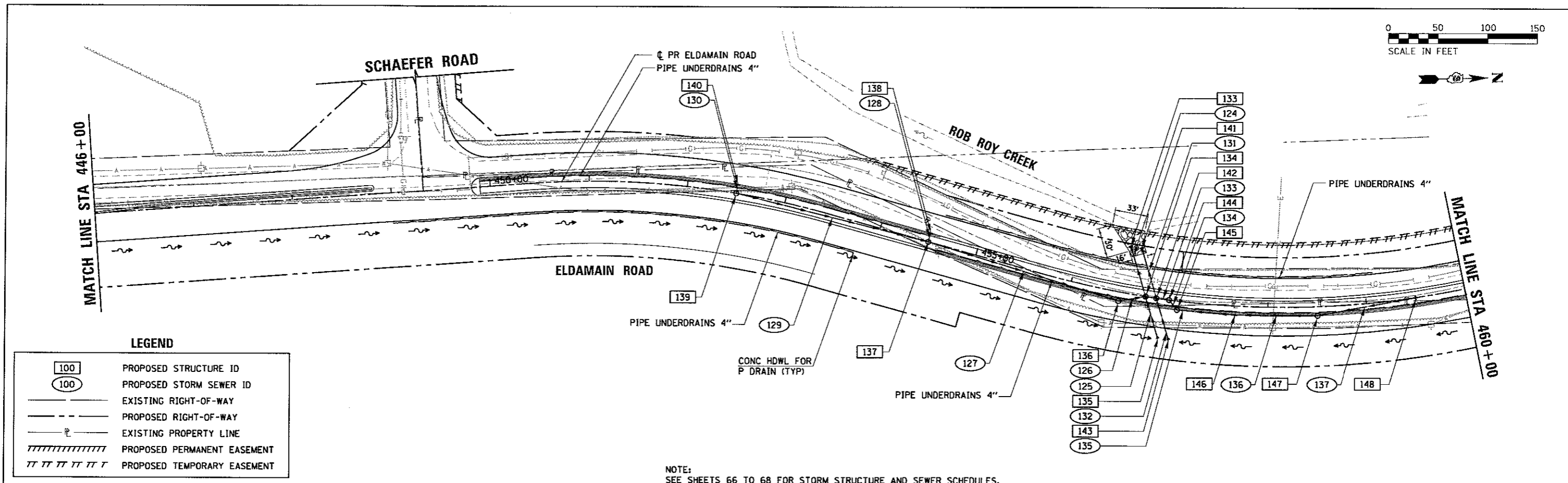
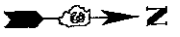
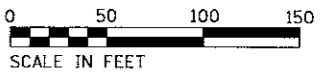
| | | |
|--------------------------|----------------|-----------|
| USER NAME = StevenB | DESIGNED - MAG | REVISED - |
| PLOT SCALE = 50.00' / 1" | DRAWN - DJW | REVISED - |
| PLOT DATE = 5/15/2017 | CHECKED - BMA | REVISED - |
| | DATE - 5/15/17 | REVISED - |

KENDALL COUNTY HIGHWAY DEPARTMENT

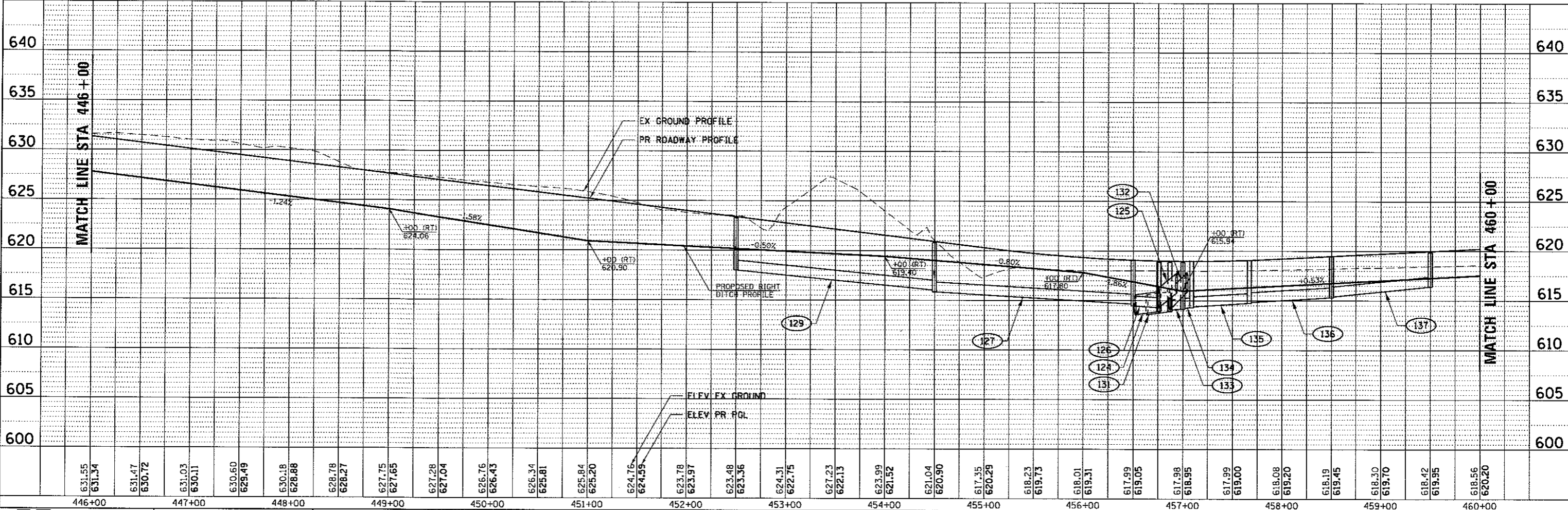
DRAINAGE PLAN & PROFILE
ELDAMAIN ROAD
STA. 434+00 TO 446+00

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

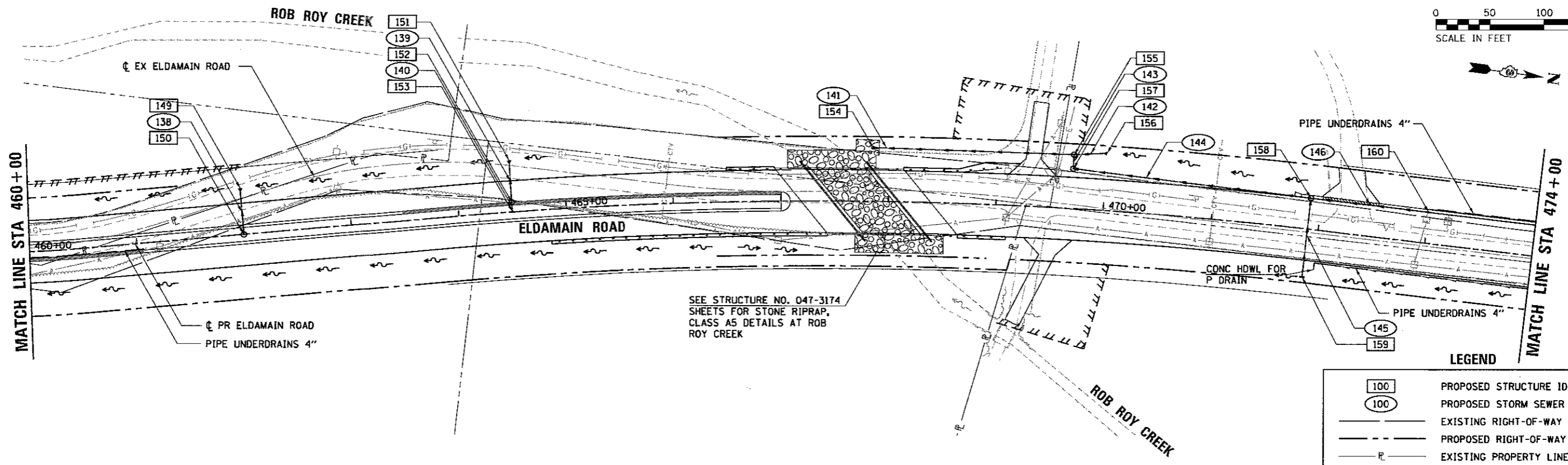
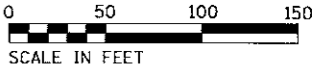
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|---|----------------------------|----------------|------------------|--------------|
| F.A.U. RTE. 4000 | SECTION NO. 16-00136-00-RP | COUNTY KENDALL | TOTAL SHEETS 237 | SHEET NO. 70 |
| CONTRACT NO. 87666 | | | | |
| FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT | | | | |



NOTE:
SEE SHEETS 66 TO 68 FOR STORM STRUCTURE AND SEWER SCHEDULES.



| | | | | | | | |
|---|--|--|--|--|---|--|--------------------|
| 1170 SOUTH HOUBOLT ROAD JOLIET, ILLINOIS 60431 STRAND ASSOCIATES (815) 744-4200 | USER NAME = StevenB PLOT SCALE = 500.00' / 1" | DESIGNED - MAG DRAWN - DJW CHECKED - BMA DATE - 5/15/17 | REVISED - REVISED - REVISED - REVISED - | KENDALL COUNTY HIGHWAY DEPARTMENT | DRAINAGE PLAN & PROFILE ELDAIMAIN ROAD STA. 446+00 TO 460+00 | F.A.J. RTE. 4000 SECTION NO. 16-00136-00-RP COUNTY KENDALL TOTAL SHEETS 237 SHEET NO. 71 | CONTRACT NO. 87666 |
| | PLOT DATE = 5/16/2017 | DATE - 5/15/17 | SCALE: SHEET NO. OF SHEETS STA. TO STA. | | | FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT | |

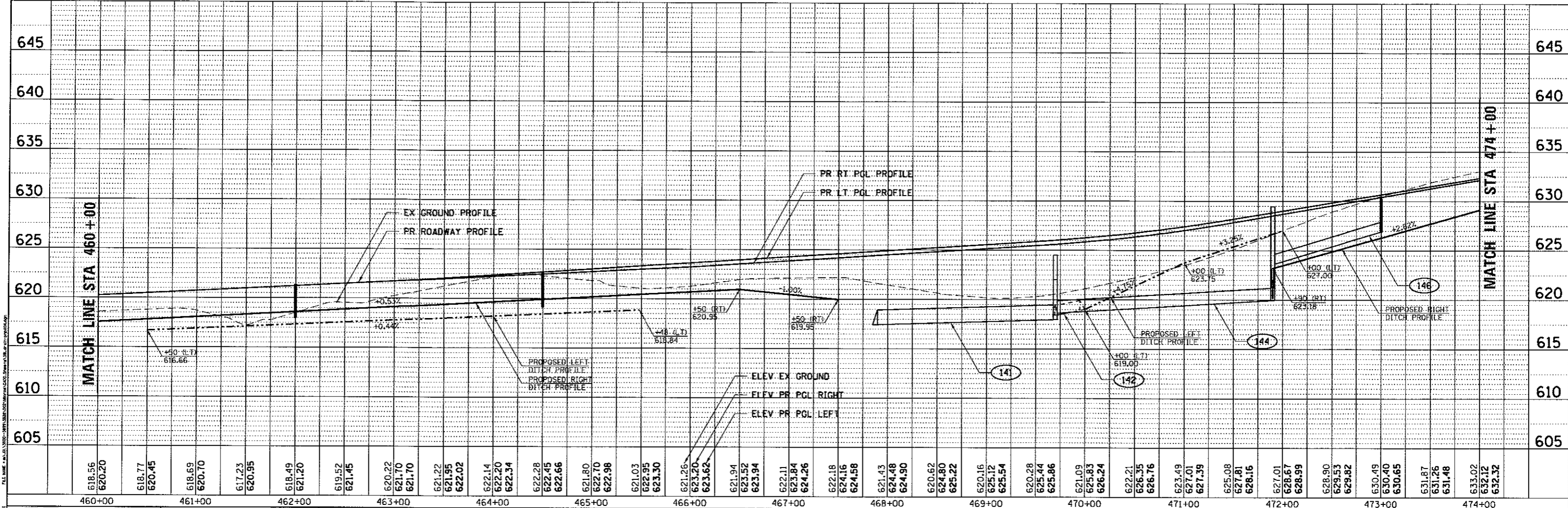


SEE STRUCTURE NO. 047-3174 SHEETS FOR STONE RIPRAP, CLASS A5 DETAILS AT ROB ROY CREEK

NOTE: SEE SHEETS 66 TO 68 FOR STORM STRUCTURE AND SEWER SCHEDULES.

LEGEND

| | |
|-----|-----------------------------|
| 100 | PROPOSED STRUCTURE ID |
| 100 | PROPOSED STORM SEWER ID |
| --- | EXISTING RIGHT-OF-WAY |
| --- | PROPOSED RIGHT-OF-WAY |
| P | EXISTING PROPERTY LINE |
| | PROPOSED PERMANENT EASEMENT |
| | PROPOSED TEMPORARY EASEMENT |



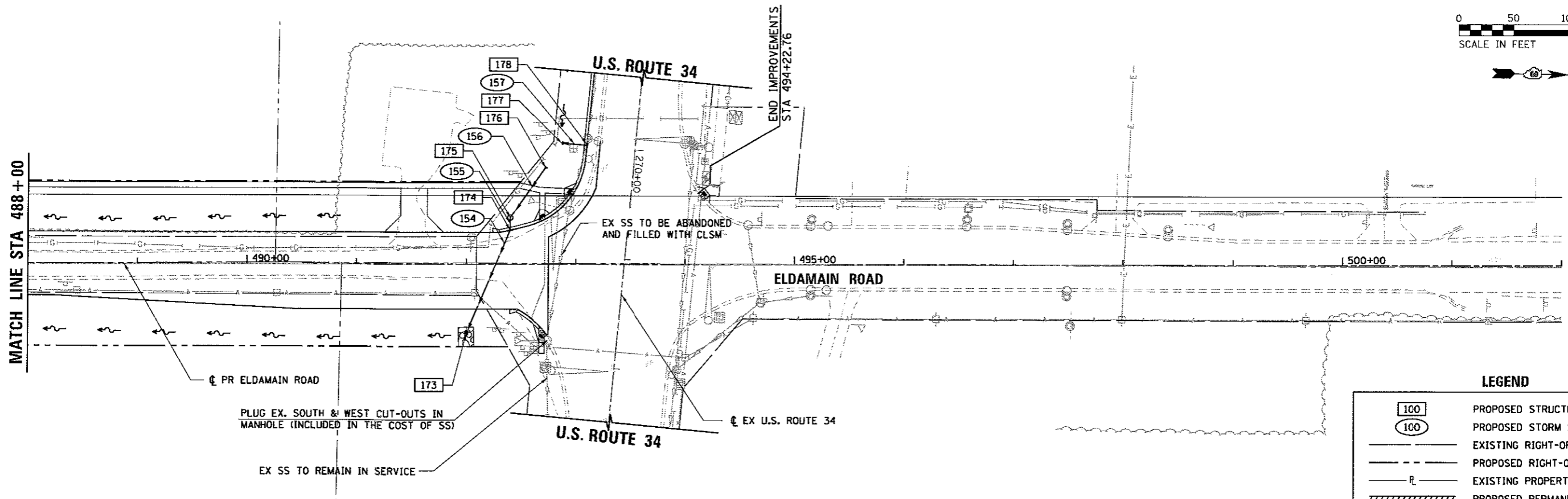
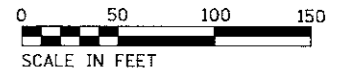
1170 SOUTH HOUBOLT ROAD
JOLIET, ILLINOIS 60431
STRAND ASSOCIATES
(815) 744-4200

| | | |
|---------------------------|----------------|-----------|
| USER NAME = StevanB | DESIGNED - MAG | REVISED - |
| PLOT SCALE = 50.00' / in. | DRAWN - DJW | REVISED - |
| PLOT DATE = 5/16/2017 | CHECKED - BMA | REVISED - |
| | DATE - 5/15/17 | REVISED - |

KENDALL COUNTY HIGHWAY DEPARTMENT

DRAINAGE PLAN & PROFILE
ELDAMAIN ROAD
STA. 460+00 TO 474+00

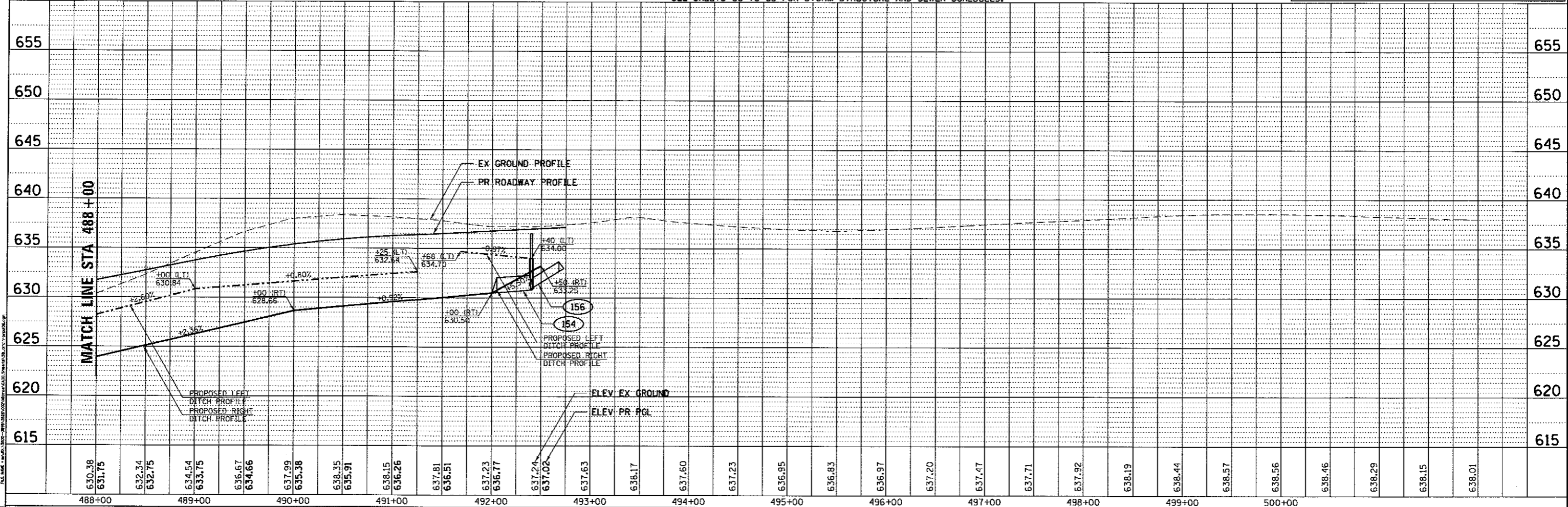
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|---|----------------------------|----------------|--------------------|--------------|
| F.A.U. RTE. 4000 | SECTION NO. 16-00136-00-RP | COUNTY KENDALL | TOTAL SHEETS 237 | SHEET NO. 72 |
| FED. ROAD DIST. NO. 3 (ILLINOIS) FED. AID PROJECT | | | CONTRACT NO. B7666 | |



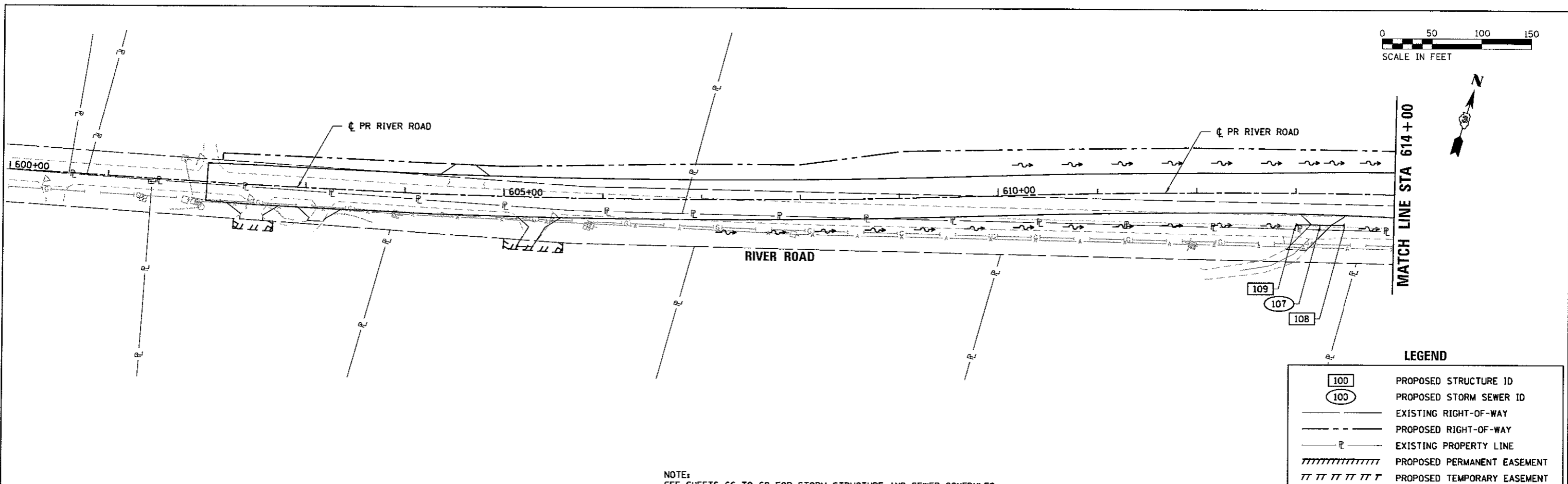
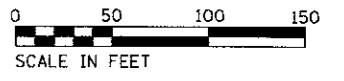
LEGEND

| | |
|---|-----------------------------|
| 100 | PROPOSED STRUCTURE ID |
| 100 | PROPOSED STORM SEWER ID |
| — — — — — | EXISTING RIGHT-OF-WAY |
| — — — — — | PROPOSED RIGHT-OF-WAY |
| — P — | EXISTING PROPERTY LINE |
| | PROPOSED PERMANENT EASEMENT |
| TTTTTTTT | PROPOSED TEMPORARY EASEMENT |

NOTE:
SEE SHEETS 66 TO 68 FOR STORM STRUCTURE AND SEWER SCHEDULES.

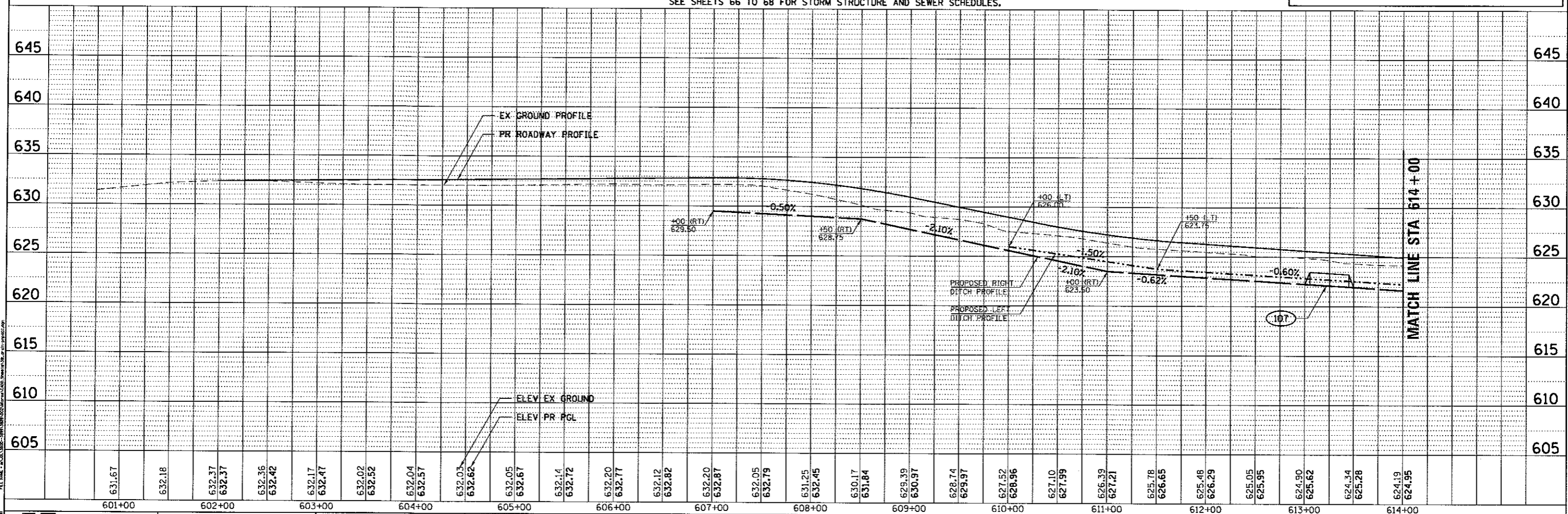


| | | | | | | | |
|---|--|--|--|--|--|--|---|
| 1170 SOUTH HOUBOLT ROAD JULIET, ILLINOIS 60431 (815) 744-4200 | USER NAME = StevenB PLOT SCALE = 88.80' / 1" = PLOT DATE = 5/16/2017 | DESIGNED - MAG DRAWN - DJW CHECKED - BMA DATE - 5/15/17 | REVISED - REVISED - REVISED - REVISED - | KENDALL COUNTY HIGHWAY DEPARTMENT | DRAINAGE PLAN & PROFILE ELDAMAIN ROAD STA. 488+00 TO 502+00 | F.A.U. RTE. 4000 SECTION NO. 16-00136-00-RP COUNTY KENDALL TOTAL SHEETS 237 SHEET NO. 74 CONTRACT NO. 87666 | SCALE: SHEET NO. OF SHEETS STA. TO STA. |
|---|--|--|--|--|--|--|---|



NOTE:
SEE SHEETS 66 TO 68 FOR STORM STRUCTURE AND SEWER SCHEDULES.

| LEGEND | |
|---|-----------------------------|
| 100 | PROPOSED STRUCTURE ID |
| 100 | PROPOSED STORM SEWER ID |
| --- | EXISTING RIGHT-OF-WAY |
| - - - | PROPOSED RIGHT-OF-WAY |
| —P— | EXISTING PROPERTY LINE |
| | PROPOSED PERMANENT EASEMENT |
| TTTTT | PROPOSED TEMPORARY EASEMENT |



| | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|--------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 601+00 | 602+00 | 603+00 | 604+00 | 605+00 | 606+00 | 607+00 | 608+00 | 609+00 | 610+00 | 611+00 | 612+00 | 613+00 | 614+00 | | | | | | | | | | | | | |
| 631.67 | 632.18 | 632.37 632.37 | 632.36 632.42 | 632.17 632.27 | 632.02 632.52 | 632.04 632.57 | 632.03 632.62 | 632.05 632.67 | 632.14 632.72 | 632.20 632.77 | 632.12 632.82 | 632.20 632.87 | 632.05 632.79 | 631.25 632.45 | 630.17 631.84 | 629.39 630.97 | 628.74 629.97 | 627.52 628.96 | 627.10 627.99 | 626.39 627.21 | 625.78 626.65 | 625.48 626.29 | 625.05 625.95 | 624.90 625.62 | 624.34 625.28 | 624.19 624.95 |

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

USER NAME = StovanB

DESIGNED - MAG
DRAWN - DJW
CHECKED - BMA
DATE - 5/15/17

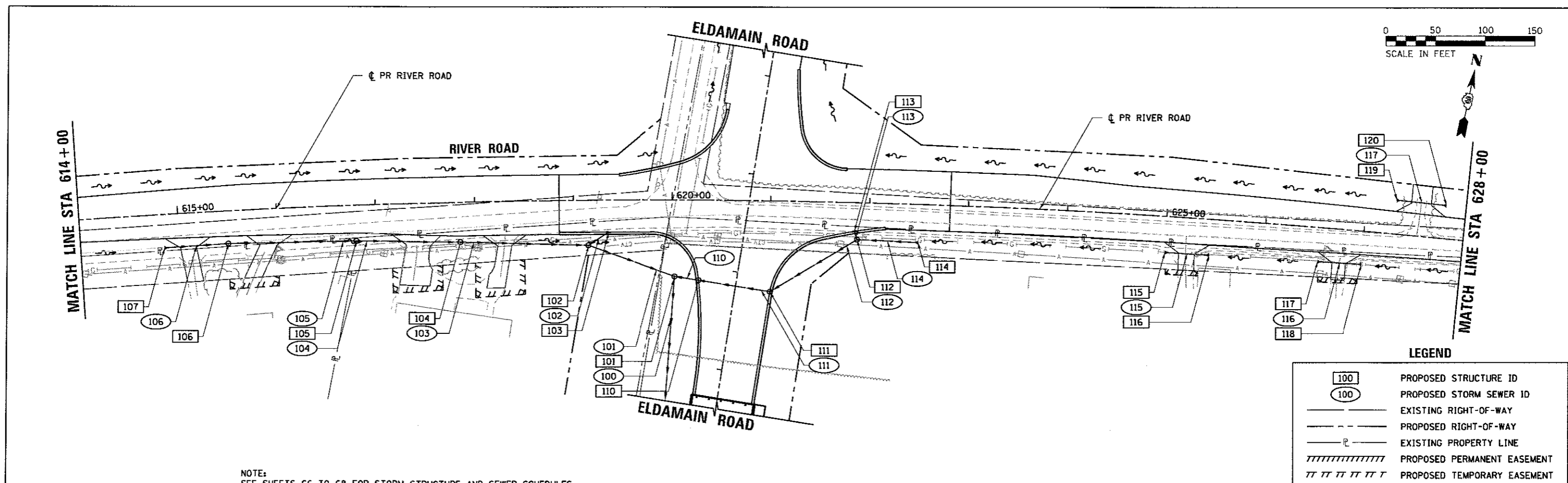
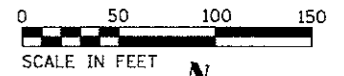
REVISOR -
REVISOR -
REVISOR -
REVISOR -

KENDALL COUNTY HIGHWAY DEPARTMENT

DRAINAGE PLAN & PROFILE
RIVER ROAD
STA. 600+00 TO 614+00

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

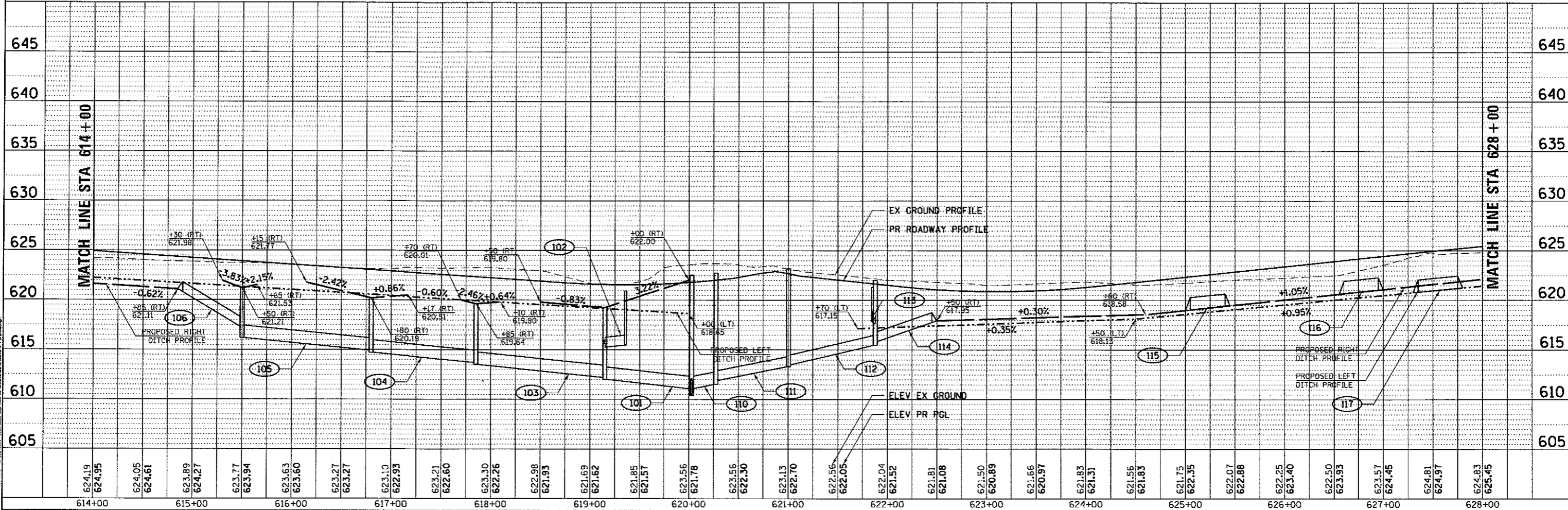
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|--------------------|----------------|---------|--------------|-----------|
| F.A.L. RTE. | SECTION NO. | COUNTY | TOTAL SHEETS | SHEET NO. |
| 4000 | 16-00136-00-RP | KENDALL | 237 | 75 |
| CONTRACT NO. 87666 | | | | |



LEGEND

| | |
|-------|-----------------------------|
| 100 | PROPOSED STRUCTURE ID |
| 100 | PROPOSED STORM SEWER ID |
| --- | EXISTING RIGHT-OF-WAY |
| - - - | PROPOSED RIGHT-OF-WAY |
| --- | EXISTING PROPERTY LINE |
| | PROPOSED PERMANENT EASEMENT |
| | PROPOSED TEMPORARY EASEMENT |

NOTE:
SEE SHEETS 66 TO 68 FOR STORM STRUCTURE AND SEWER SCHEDULES.



| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 624.19 | 624.95 | 624.05 | 624.61 | 623.89 | 624.27 | 623.77 | 623.94 | 623.63 | 623.60 | 623.27 | 623.27 | 623.10 | 622.93 | 623.21 | 622.60 | 623.30 | 622.26 | 622.98 | 621.93 | 621.69 | 621.62 | 621.85 | 621.57 | 623.56 | 621.78 | 623.56 | 622.30 | 623.13 | 622.70 | 622.56 | 622.05 | 622.04 | 621.52 | 621.81 | 621.08 | 621.50 | 620.89 | 621.66 | 620.97 | 621.83 | 621.31 | 621.56 | 621.83 | 621.75 | 622.35 | 622.07 | 622.88 | 622.25 | 623.40 | 622.50 | 623.93 | 623.57 | 624.45 | 624.81 | 624.97 | 624.83 | 625.45 |
| 614+00 | 615+00 | 616+00 | 617+00 | 618+00 | 619+00 | 620+00 | 621+00 | 622+00 | 623+00 | 624+00 | 625+00 | 626+00 | 627+00 | 628+00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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

USER NAME = StevenB
DESIGNED - MAG
DRAWN - DJW
CHECKED - BMA
PLOT SCALE = 50.00' / in.
PLOT DATE = 5/16/2017

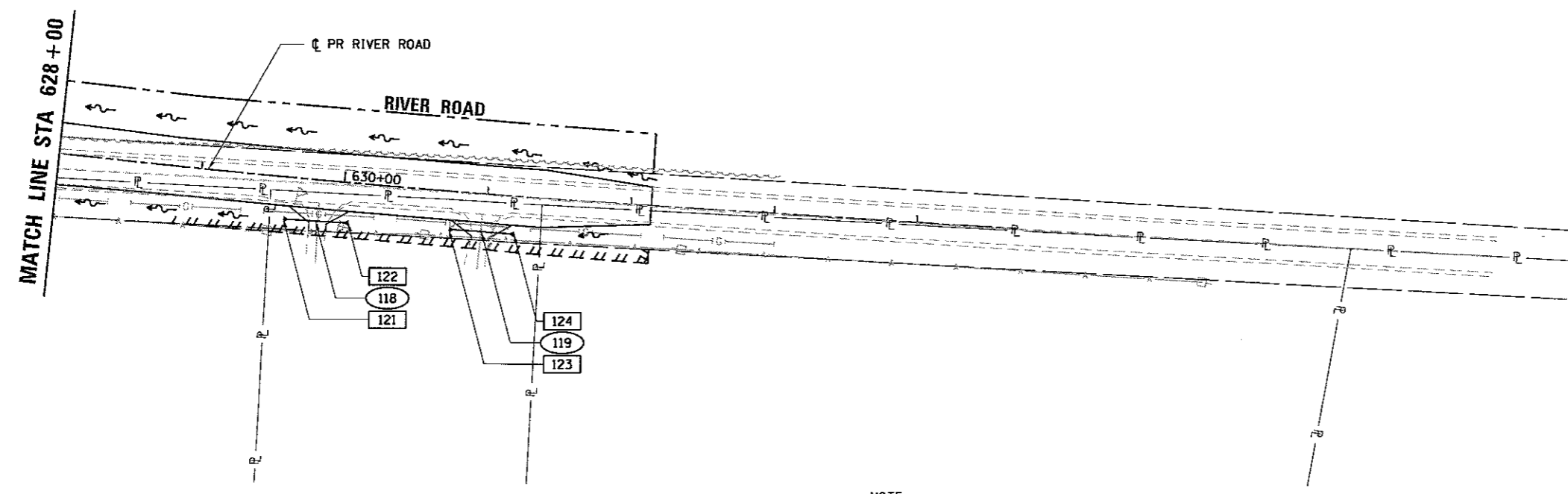
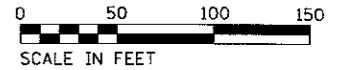
REVISOR -
REVISOR -
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REVISOR -
DATE - 5/15/17

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REVISOR -
REVISOR -

KENDALL COUNTY HIGHWAY DEPARTMENT

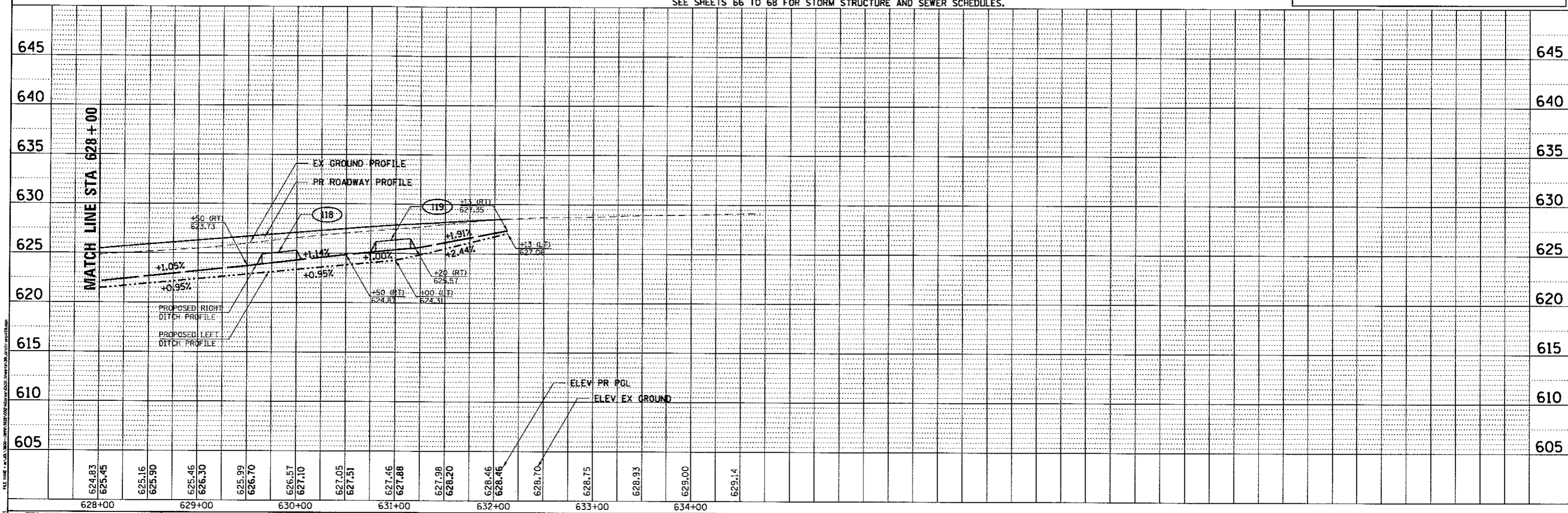
DRAINAGE PLAN & PROFILE
RIVER ROAD
STA. 614+00 TO 628+00

| | | | | |
|---|----------------------------|----------------|------------------|--------------|
| F.A.U. RTE. 4000 | SECTION NO. 16-00136-00-RP | COUNTY KENDALL | TOTAL SHEETS 237 | SHEET NO. 76 |
| CONTRACT NO. 87666 | | | | |
| FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT | | | | |



NOTE:
SEE SHEETS 66 TO 68 FOR STORM STRUCTURE AND SEWER SCHEDULES.

| LEGEND | |
|---|-----------------------------|
| 100 | PROPOSED STRUCTURE ID |
| 100 | PROPOSED STORM SEWER ID |
| | EXISTING RIGHT-OF-WAY |
| | PROPOSED RIGHT-OF-WAY |
| | EXISTING PROPERTY LINE |
| | PROPOSED PERMANENT EASEMENT |
| | PROPOSED TEMPORARY EASEMENT |



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

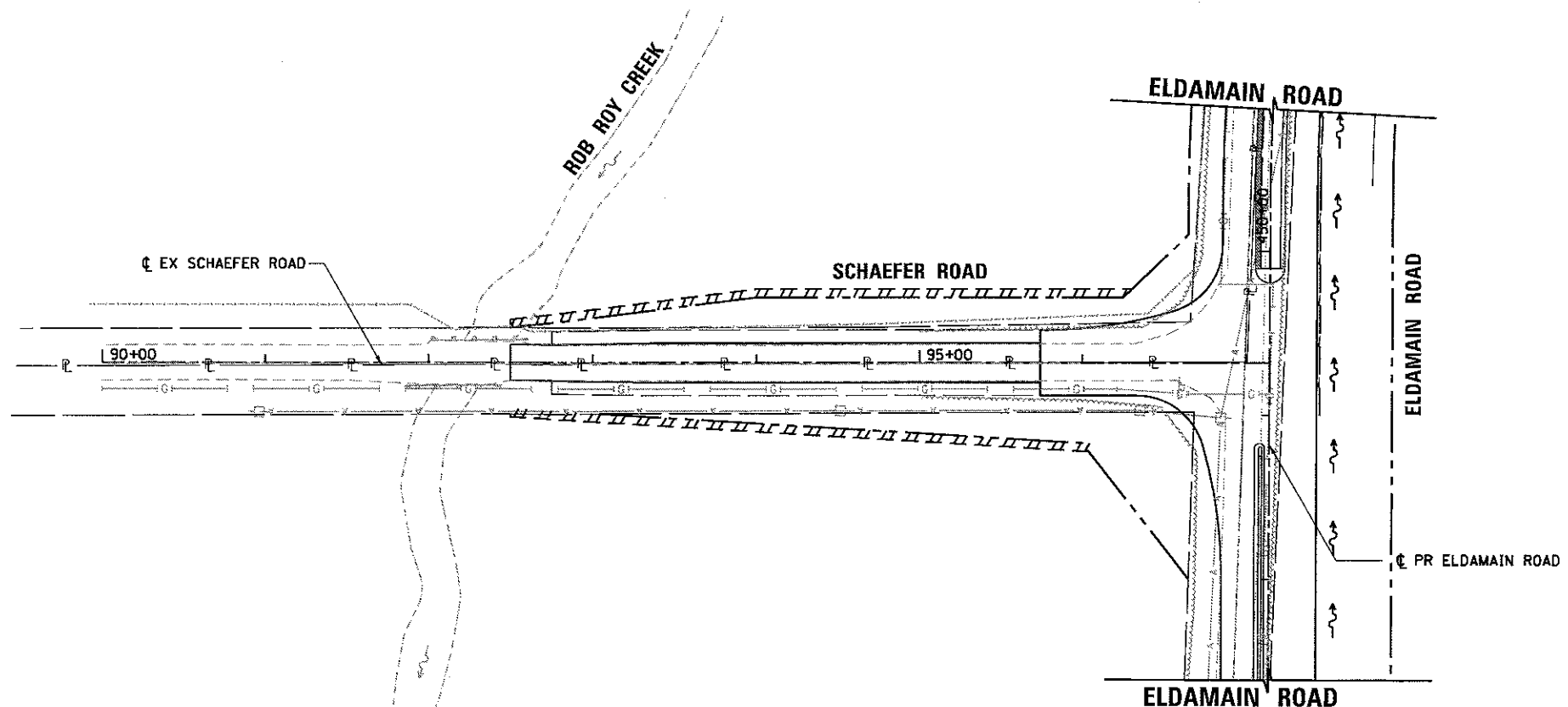
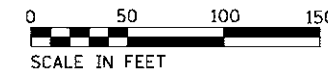
| | | |
|----------------------------|----------------|-----------|
| USER NAME = StevanB | DESIGNED - MAG | REVISED - |
| PLOT SCALE = 50.00' / 1" = | DRAWN - DJW | REVISED - |
| PLOT DATE = 5/16/2017 | CHECKED - BMA | REVISED - |
| | DATE - 5/15/17 | REVISED - |

KENDALL COUNTY HIGHWAY DEPARTMENT

DRAINAGE PLAN & PROFILE
RIVER ROAD
STA. 628+00 TO 635+00

| F.A.U. RTE. | SECTION NO. | COUNTY | TOTAL SHEETS | SHEET NO. |
|-------------|----------------|---------|--------------|-----------|
| 4000 | 16-00136-00-RP | KENDALL | 237 | 77 |

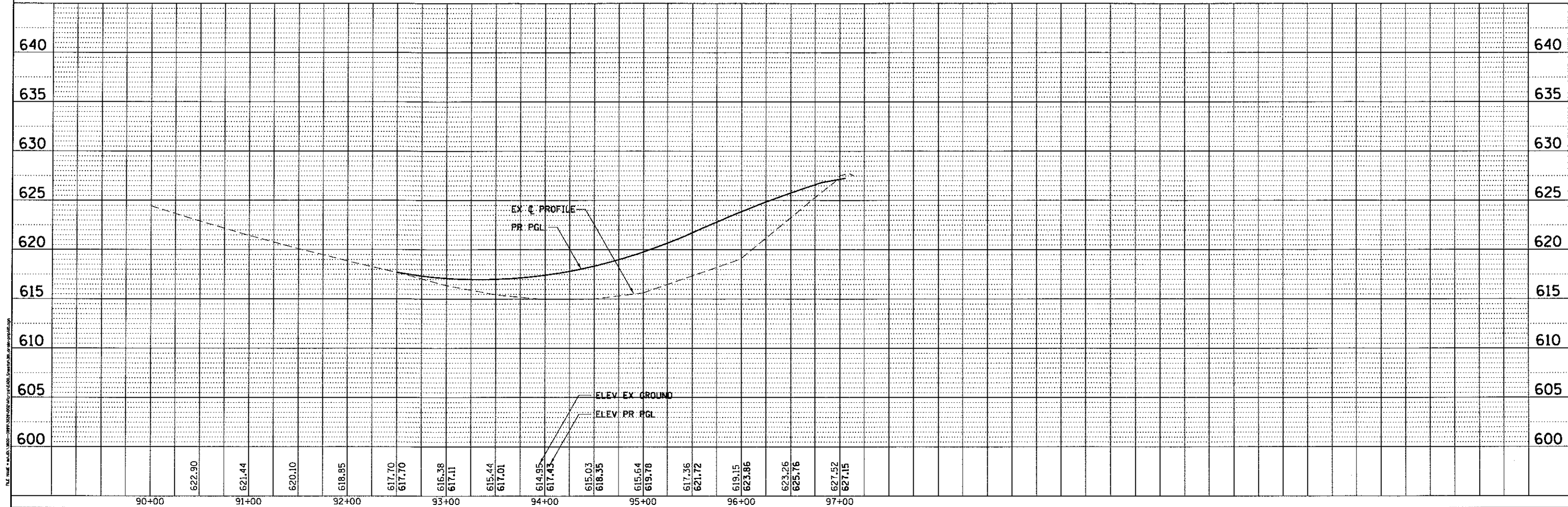
CONTRACT NO. 87666
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT



LEGEND

| | |
|---|-----------------------------|
| 100 | PROPOSED STRUCTURE ID |
| 100 | PROPOSED STORM SEWER ID |
| | EXISTING RIGHT-OF-WAY |
| | PROPOSED RIGHT-OF-WAY |
| | EXISTING PROPERTY LINE |
| | PROPOSED PERMANENT EASEMENT |
| | PROPOSED TEMPORARY EASEMENT |

NOTE:
SEE SHEETS 66 TO 68 FOR STORM STRUCTURE AND SEWER SCHEDULES.

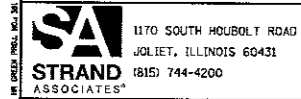


| | | | | | | | | | | | |
|--|--|----------------|-----------|--|---|---|-------------------------------|--------------------|---------------------|-----------------|--|
| | 1170 SOUTH HOBOLT ROAD JOLIET, ILLINOIS 60431 | DESIGNED - MAG | REVISED - | KENDALL COUNTY HIGHWAY DEPARTMENT | DRAINAGE PLAN & PROFILE SCHAEFER ROAD STA. 90+00 TO 97+14.82 | F.A.U. RTE. 4000 | SECTION NO. 16-00136-00-RP | COUNTY KENDALL | TOTAL SHEETS 237 | SHEET NO. 78 | |
| | USER NAME = Steven8 | DRAWN - DJW | REVISED - | | | SCALE: SHEET NO. OF SHEETS STA. TO STA. | | CONTRACT NO. 87666 | | | |
| | PLDT SCALE = 80.00' / in. | CHECKED - BMA | REVISED - | | | FED. ROAD DIST. NO. 3 (ILLINOIS) FED. AID PROJECT | | | | | |
| | PLDT DATE = 5/16/2017 | DATE - 5/15/17 | REVISED - | | | | | | | | |

SCHEDULE FOR STONE RIPRAP AND FILTER FABRIC

| ROADWAY | STATION | OFFSET (RT/LT) | WIDTH (FT) | LENGTH (FT) | CLASS A4 (SY) | CLASS A5 (SY) | FILTER FABRIC (SY) |
|---------------|---------------------|----------------|------------|-------------|---------------|---------------|--------------------|
| ELDAMAIN | 425+36.23 | LT | • | • | 55 | 10 | 65 |
| ELDAMAIN | 434+54 TO 435+00 | RT | 20 | 46 | 102 | | 102 |
| ELDAMAIN | 434+62.50 TO 435+00 | LT | 28 | 33 | 103 | | 103 |
| ELDAMAIN | 435+00 TO 435+50 | LT | 27 | 50 | 150 | | 150 |
| ELDAMAIN | 435+00 TO 435+50 | RT | 12 | 50 | 67 | | 67 |
| ELDAMAIN | 435+50 TO 436+00 | LT | 29 | 50 | 161 | | 161 |
| ELDAMAIN | 435+50 TO 436+00 | RT | 18 | 50 | 100 | | 100 |
| ELDAMAIN | 436+00 TO 436+50 | LT | 28 | 50 | 156 | | 156 |
| ELDAMAIN | 436+00 TO 436+50 | RT | 19 | 50 | 106 | | 106 |
| ELDAMAIN | 436+50 TO 436+64.64 | LT | 14 | 15 | 23 | | 23 |
| ELDAMAIN | 436+50 TO 436+55 | RT | 20 | 5 | 11 | | 11 |
| ELDAMAIN | 436+75.00 | LT | • | • | | 126 | 126 |
| ELDAMAIN | 436+75.00 | RT | • | • | | 89 | 89 |
| ELDAMAIN | 436+94 TO 437+00 | RT | 24 | 25 | 13 | | 13 |
| ELDAMAIN | 436+92.11 TO 437+00 | LT | 24 | 8 | 21 | | 21 |
| ELDAMAIN | 437+00 TO 437+50 | LT | 23 | 50 | 128 | | 128 |
| ELDAMAIN | 437+00 TO 437+50 | RT | 17 | 50 | 94 | | 94 |
| ELDAMAIN | 437+50 TO 438+00 | LT | 20 | 50 | 111 | | 111 |
| ELDAMAIN | 437+50 TO 438+00 | RT | 15 | 50 | 83 | | 83 |
| ELDAMAIN | 438+00 TO 438+50 | LT | 15 | 50 | 83 | | 83 |
| ELDAMAIN | 438+00 TO 438+50 | RT | 12 | 50 | 67 | | 67 |
| ELDAMAIN | 438+50 TO 438+59.39 | LT | 13 | 9 | 13 | | 13 |
| ELDAMAIN | 438+50 TO 439+00 | RT | 11 | 50 | 61 | | 61 |
| ELDAMAIN | 439+00 TO 439+50 | RT | 13 | 50 | 72 | | 72 |
| ELDAMAIN | 439+50 TO 440+00 | RT | 17 | 50 | 94 | | 94 |
| ELDAMAIN | 456+64.04 | LT | • | • | 80 | | 80 |
| ELDAMAIN | 467+79.00 | LT | • | • | | 700 | 700 |
| ELDAMAIN | 467+85.00 | LT | 16 | 14 | | 35 | 35 |
| ELDAMAIN | 482+00.00 | LT | 18 | 16 | 44 | | 44 |
| ELDAMAIN | 482+00.00 | RT | 15 | 16 | 37 | | 37 |
| ELDAMAIN | 486+00.00 | RT | • | • | 44 | | 44 |
| ELDAMAIN | 492+00.00 | RT | 20 | 14 | 31 | | 31 |
| TOTALS | | | | | 2,110 | 960 | 3,070 |

NOTE: FOR OTHER LOCATIONS OF FILTER FABRIC, SEE THE TEMP. SEDIMENT TRAP SCHEDULE. SEE DIMENSIONS ON *STRUCTURE PLANS OR *ESC PLANS.



USER NAME = StevenB
 PLOT SCALE = 50.00' / 1" =
 PLOT DATE = 5/16/2017

DESIGNED - MAG
 DRAWN - DJW
 CHECKED - BMA
 DATE - 5/15/17

REVISED -
 REVISED -
 REVISED -
 REVISED -

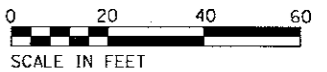
KENDALL COUNTY HIGHWAY DEPARTMENT

STONE RIPRAP DETAILS

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 | 80 |
| CONTRACT NO. 87666 | | | | |

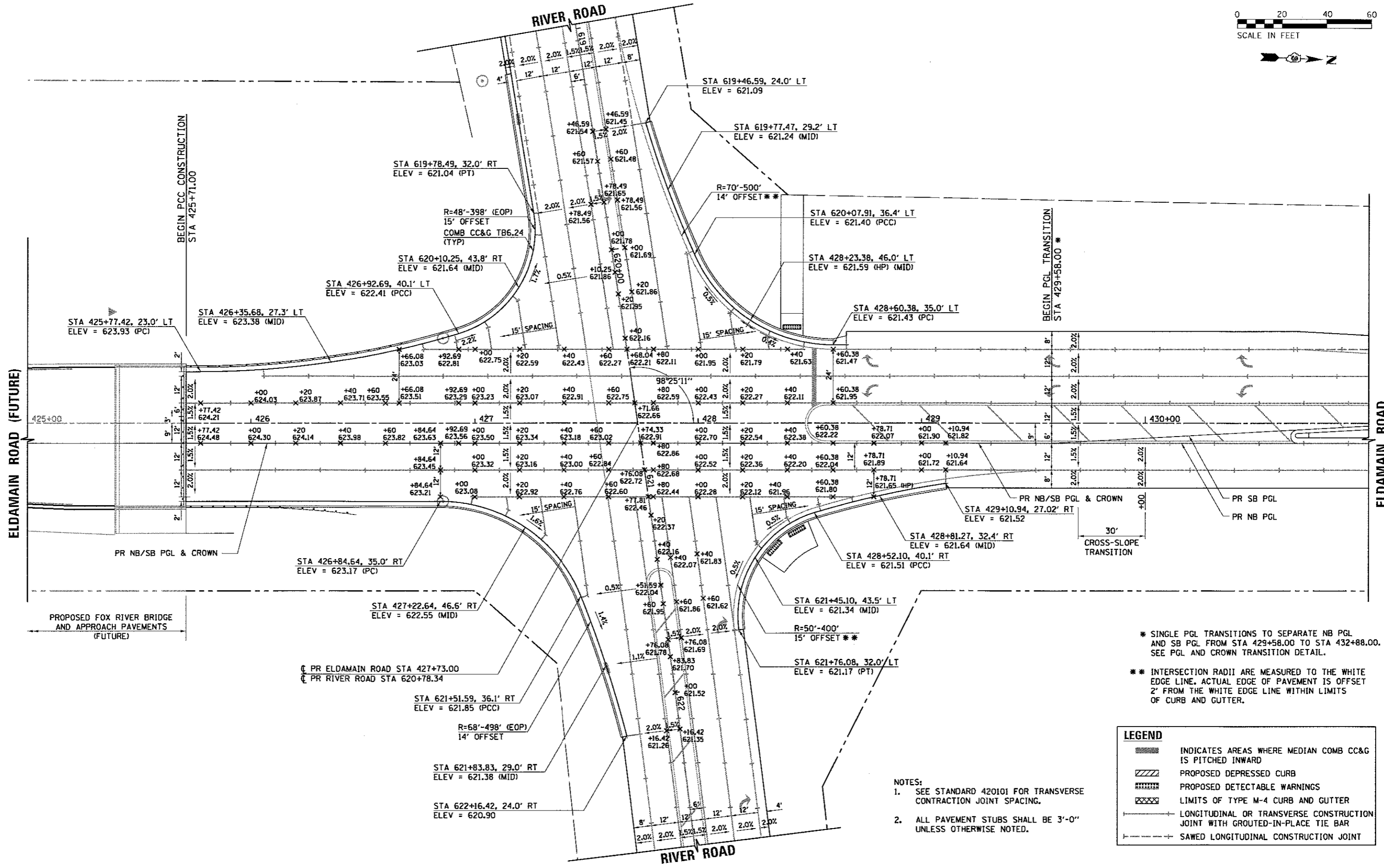
FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT



| | |
|-------------|--|
| DATE | |
| BY | |
| REVISIONS | |
| NO. | |
| DESCRIPTION | |
| DATE | |
| BY | |
| NO. | |
| DESCRIPTION | |
| DATE | |
| BY | |
| NO. | |
| DESCRIPTION | |

| | |
|-------------|--|
| DATE | |
| BY | |
| REVISIONS | |
| NO. | |
| DESCRIPTION | |
| DATE | |
| BY | |
| NO. | |
| DESCRIPTION | |
| DATE | |
| BY | |
| NO. | |
| DESCRIPTION | |

HRG PROJECT NO. 16-00136-00-01
 HRG PROJ. CONTACT: 384.1000.0100
 FILE NAME: 16-00136-00-01.dwg
 PLOT DRIVER: il_def_bwp107g
 PEN TABLE: pen10tbl



* SINGLE PGL TRANSITIONS TO SEPARATE NB PGL AND SB PGL FROM STA 429+58.00 TO STA 432+88.00. SEE PGL AND CROWN TRANSITION DETAIL.
 ** INTERSECTION RADII ARE MEASURED TO THE WHITE EDGE LINE. ACTUAL EDGE OF PAVEMENT IS OFFSET 2' FROM THE WHITE EDGE LINE WITHIN LIMITS OF CURB AND GUTTER.

| LEGEND | |
|--------|---|
| | INDICATES AREAS WHERE MEDIAN COMB CC&G IS PITCHED INWARD |
| | PROPOSED DEPRESSED CURB |
| | PROPOSED DETECTABLE WARNINGS |
| | LIMITS OF TYPE M-4 CURB AND GUTTER |
| | LONGITUDINAL OR TRANSVERSE CONSTRUCTION JOINT WITH GROUTED-IN-PLACE TIE BAR |
| | SAWED LONGITUDINAL CONSTRUCTION JOINT |

NOTES:
 1. SEE STANDARD 420101 FOR TRANSVERSE CONTRACTION JOINT SPACING.
 2. ALL PAVEMENT STUBS SHALL BE 3'-0" UNLESS OTHERWISE NOTED.

| | | | | | | | | | | | | | |
|--|-----------------------|----------------|-----------|--|--|--|--|--|--------------------|------------------------------|------------------|---|----------------|
| HRGreen.com Illinois Professional Design Firm # 184-001322 | USER NAME = rbeat | DESIGNED - APS | REVISED - | KENDALL COUNTY HIGHWAY DEPARTMENT | INTERSECTION PAVEMENT ELEVATION PLAN RIVER ROAD | | | | F.A.U. RTE. = 4000 | SECTION NO. = 16-00136-00-RP | COUNTY = KENDALL | TOTAL SHEETS = 237 | SHEET NO. = 81 |
| | PLOT SCALE = | CHECKED - | REVISED - | | | | | | SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. TO STA. | FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT | |
| | PLOT DATE = 5/15/2017 | DATE = 5/15/17 | REVISED - | | | | | | CONTRACT NO. 87666 | | | | |

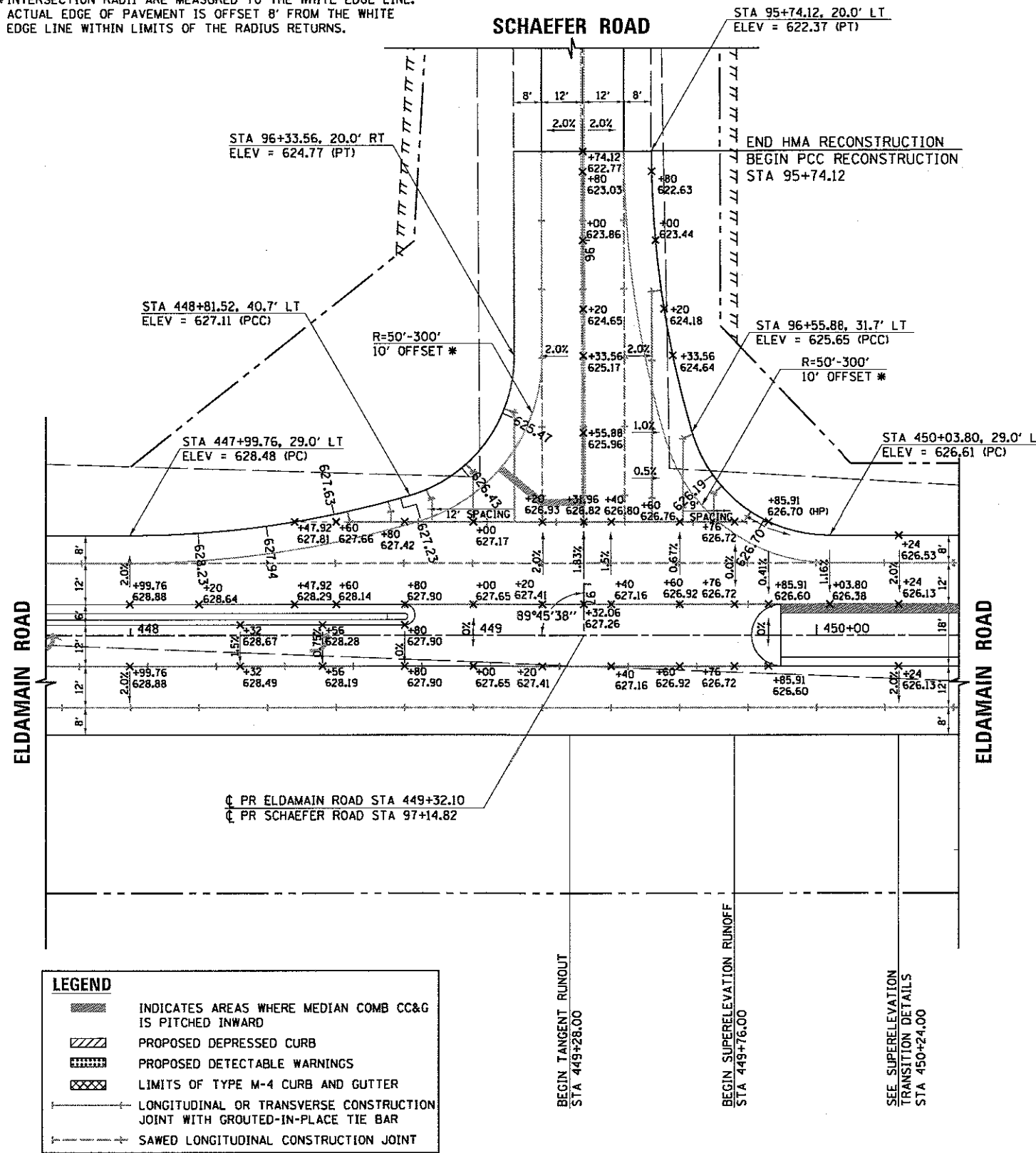
- NOTES:
- SEE STANDARD 420101 FOR TRANSVERSE CONTRACTION JOINT SPACING.
 - ALL PAVEMENT STUBS SHALL BE 3'-0" UNLESS OTHERWISE NOTED.
 - CURB RETURN ELEVATIONS ARE SHOWN AT 20' INCREMENTS BEGINNING AT THE EL DAMAIN ROAD PC UNLESS OTHERWISE NOTED.

* INTERSECTION RADII ARE MEASURED TO THE WHITE EDGE LINE. ACTUAL EDGE OF PAVEMENT IS OFFSET 8' FROM THE WHITE EDGE LINE WITHIN LIMITS OF THE RADIUS RETURNS.



| | |
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| DATE | |
| BY | |
| PLAN | |
| NO. | |
| DATE | |
| BY | |
| PROFILE | |
| NO. | |

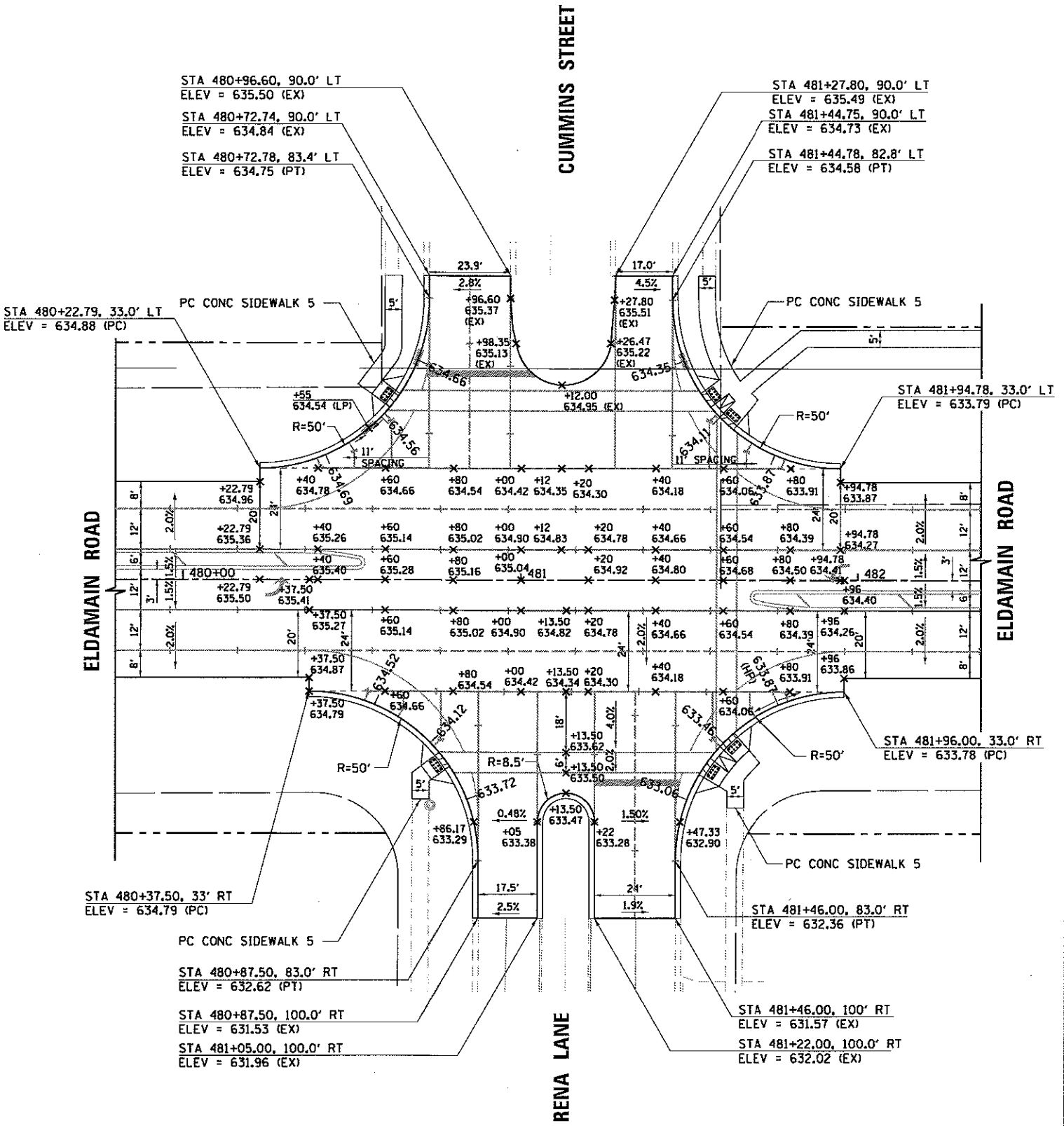
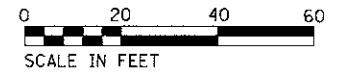
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| DATE | |
| BY | |
| PROFILE | |
| NO. | |
| DATE | |
| BY | |
| PROFILE | |
| NO. | |



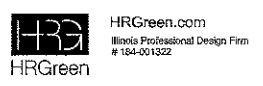
LEGEND

- INDICATES AREAS WHERE MEDIAN COMB CC&G IS PITCHED INWARD
- PROPOSED DEPRESSED CURB
- PROPOSED DETECTABLE WARNINGS
- LIMITS OF TYPE M-4 CURB AND GUTTER
- LONGITUDINAL OR TRANSVERSE CONSTRUCTION JOINT WITH GROUTED-IN-PLACE TIE BAR
- SAWED LONGITUDINAL CONSTRUCTION JOINT

- NOTES:
- SEE STANDARD 420101 FOR TRANSVERSE CONTRACTION JOINT SPACING.
 - ALL PAVEMENT STUBS SHALL BE 3'-0" UNLESS OTHERWISE NOTED.



HRG PROJECT NO: 88030381
 HRG PROJ CONTACT: 381A-10002.dgn
 FILE NAME: I_caf_bmp1c1c1g
 PLOT DRIVER: plotlabel.tbl
 PEN TABLE:



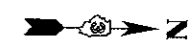
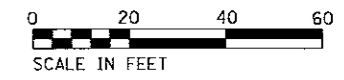
| | | |
|-----------------------|----------------|-----------|
| USER NAME = rbest | DESIGNED - APS | REVISED - |
| PLOT SCALE = | DRAWN - RCB | REVISED - |
| PLOT DATE = 5/15/2017 | CHECKED - | REVISED - |
| | DATE - 5/15/17 | REVISED - |

KENDALL COUNTY HIGHWAY DEPARTMENT

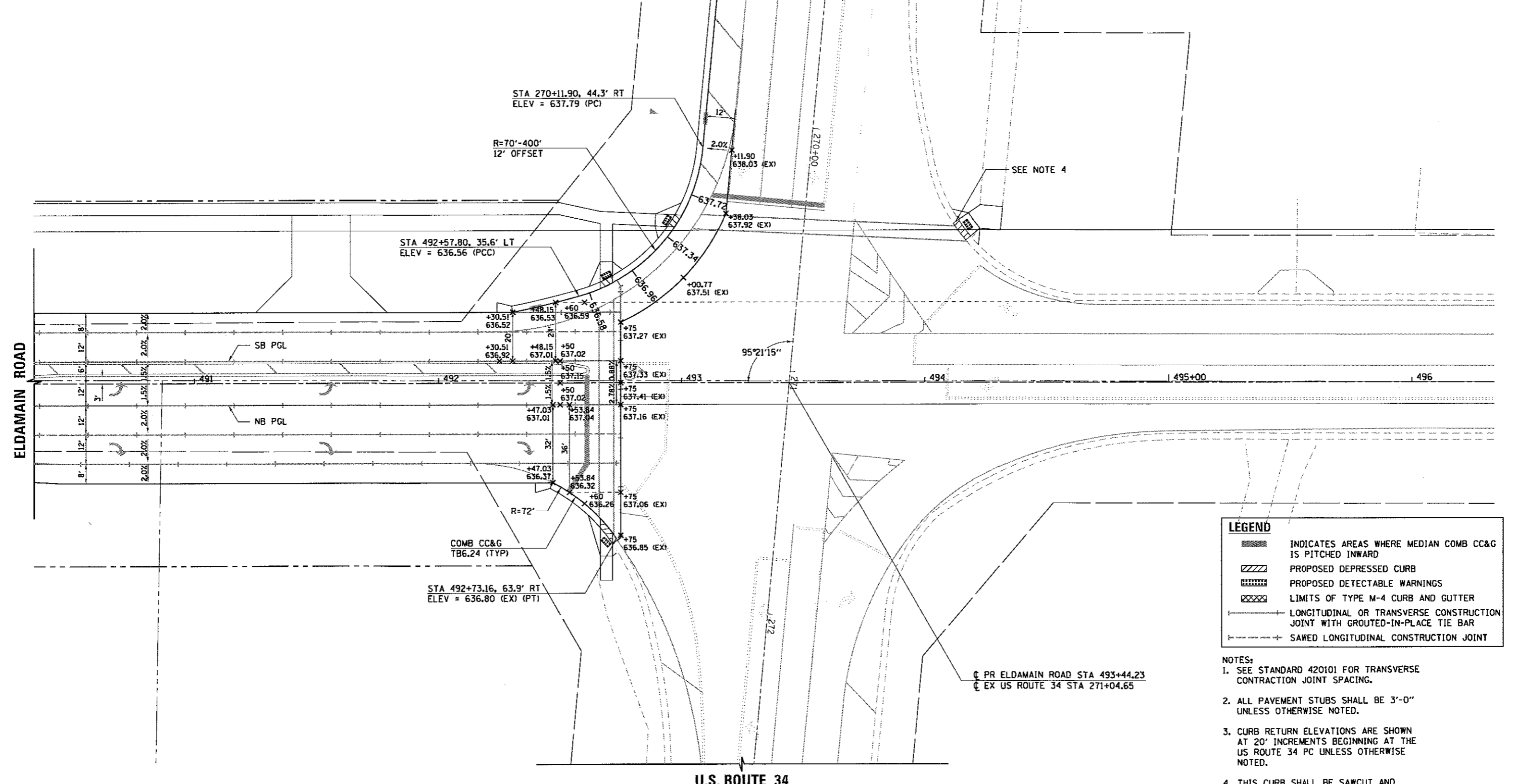
INTERSECTION PAVEMENT ELEVATION PLAN
 SCHAEFER ROAD / CUMMINS STREET / RENNA LANE

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. 82 |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |
| CONTRACT NO. 87666 | | | | |



U.S. ROUTE 34



CL PR ELDAMAIN ROAD STA 493+44.23
CL EX US ROUTE 34 STA 271+04.65

| LEGEND | |
|--------|---|
| | INDICATES AREAS WHERE MEDIAN COMB CC&G IS PITCHED INWARD |
| | PROPOSED DEPRESSED CURB |
| | PROPOSED DETECTABLE WARNINGS |
| | LIMITS OF TYPE M-4 CURB AND GUTTER |
| | LONGITUDINAL OR TRANSVERSE CONSTRUCTION JOINT WITH GROUTED-IN-PLACE TIE BAR |
| | SAWED LONGITUDINAL CONSTRUCTION JOINT |

- NOTES:
- SEE STANDARD 420101 FOR TRANSVERSE CONTRACTION JOINT SPACING.
 - ALL PAVEMENT STUBS SHALL BE 3'-0" UNLESS OTHERWISE NOTED.
 - CURB RETURN ELEVATIONS ARE SHOWN AT 20' INCREMENTS BEGINNING AT THE US ROUTE 34 PC UNLESS OTHERWISE NOTED.
 - THIS CURB SHALL BE SAWCUT AND DEPRESSED IN ACCORDANCE WITH ARTICLE 606.07. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT BID PRICE FOR PCC SIDEWALK.

| PLAN | DATE |
|----------|-----------|
| REVISION | BY |
| NOTED | DATE |
| ALIGNED | CHECKED |
| CHECKED | FILE NAME |
| NO. | NO. |

| PROFILE | DATE |
|-----------|-----------|
| REVISION | BY |
| NOTED | DATE |
| GRADES | CHECKED |
| FILE NAME | FILE NAME |
| NO. | NO. |

HRG PROJECT NO. 06030280
HRG PROJ. CONTACTS
FILE NAME: 364_1papl3.dgn
PLOT DRIVER: L:\ppl\dwg\p1c1g
PEN TABLE: p1c1tbl.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

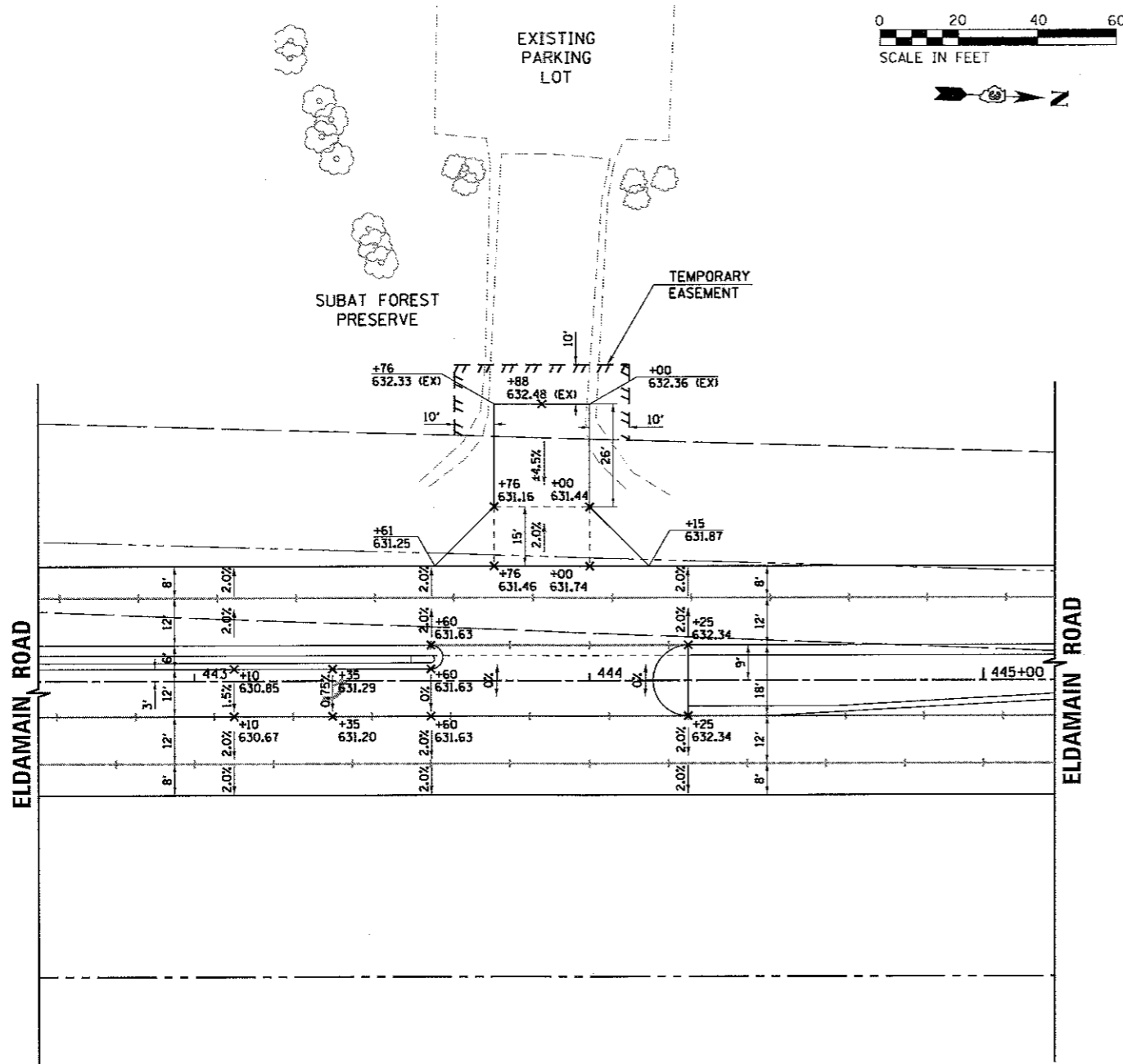
| INTERSECTION PAVEMENT ELEVATION PLAN | | | | |
|--------------------------------------|-----------|-----------|------|---------|
| US ROUTE 34 | | | | |
| SCALE: | SHEET NO. | OF SHEETS | STA. | TO STA. |
| | | | | |

| F.A.U. RTE. | SECTION NO. | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------------|---------|--------------|-----------|
| 4000 | 16-00136-00-RP | KENDALL | 237 | 83 |
| CONTRACT NO. 87666 | | | | |
| FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT | | | | |

| | | |
|-----------|-------------------|------|
| PLAN | REVISIONS | DATE |
| NO. | BY | |
| NOTE BOOK | PLOTTED | |
| NO. | ALIGNMENT CHECKED | |
| | CADD FILE NAME | |

| | | |
|-----------|-----------------------------|------|
| PROFILE | REVISIONS | DATE |
| NO. | BY | |
| NOTE BOOK | GRADES CHECKED | |
| NO. | BAR NOTED | |
| | STRUCTURE NOTATIONS CHECKED | |

HRG PROJECT NO. 16020136
 HRG PROJ. CONTACT: 368A_16ap04.dgn
 FILE NAME: L_04F_04ap04.dgn
 PLOT DRIVER: plot16020136
 PEN TABLE:



| LEGEND | |
|--------|---|
| | INDICATES AREAS WHERE MEDIAN COMB CC&G IS PITCHED INWARD |
| | PROPOSED DEPRESSED CURB |
| | PROPOSED DETECTABLE WARNINGS |
| | LIMITS OF TYPE M-4 CURB AND GUTTER |
| | LONGITUDINAL OR TRANSVERSE CONSTRUCTION JOINT WITH GROUTED-IN-PLACE TIE BAR |
| | SAWED LONGITUDINAL CONSTRUCTION JOINT |



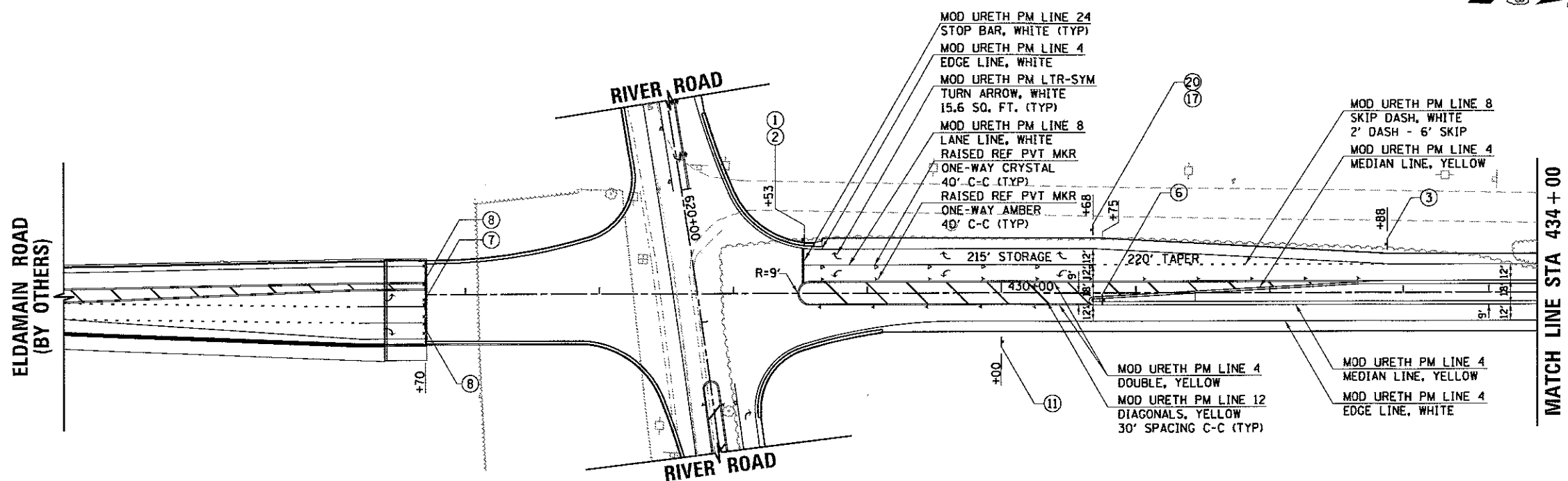
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|-----------------------|----------------|-----------|
| USER NAME = rbest | DESIGNED - APS | REVISED - |
| | DRAWN - RCB | REVISED - |
| PLOT SCALE = | CHECKED - | REVISED - |
| PLOT DATE = 5/15/2017 | DATE - 5/15/17 | REVISED - |

KENDALL COUNTY HIGHWAY DEPARTMENT

INTERSECTION PAVEMENT ELEVATION PLAN
 ENTRANCES

| | | | | | |
|--------|-----------|----|--------|------|---------|
| 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 | 84 |
| CONTRACT NO. 87666 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |



| | | |
|------|-----------|------|
| PLAN | SURVEYED | DATE |
| | PLOTTED | |
| | NOTE BOOK | |
| | ALIGNED | |
| | CHECKED | |
| | BY | |
| | NO. | |
| | DATE | |

| | | |
|---------|-----------|------|
| PROFILE | SURVEYED | DATE |
| | PLOTTED | |
| | NOTE BOOK | |
| | ALIGNED | |
| | CHECKED | |
| | BY | |
| | NO. | |
| | DATE | |

HRG PROJECT NO.: 882028P
 HRG FIELD CONTACT: JRM, amj@hrgreen.com
 HRG PLOT DRIVER: JRM, jrm@hrgreen.com
 HRG PEN TABLE: p10tbl.tbl

SIGN LEGEND

| | | | | | | | | | |
|--------------------------------------|----------------------------|---------------------|-----------------------|----------------------|----------------------|------------------------|----------------------|----------------------|---------------------|
| ① R1-1-3636 (BLACK ON YELLOW) | ② W4-1100-3018 | ③ R3-8-3030 | ④ R3-8b-3630 | ⑤ R3-8-3030 | ⑥ R4-7-2430 | ⑦ R11-1100-4830 | ⑧ OM4-1-1818 | ⑨ R3-8-3030 | ⑩ W1-7-4824 |
| ⑪ R2-1-3036 | ⑫ R2-1-3036 | ⑬ W2-2-3030 | ⑭ W2-2-3030 | ⑮ W3-3-3030 | ⑯ W16-8P-3612 | ⑰ W16-8P-3012 | ⑱ W16-8P-3612 | ⑲ W16-8P-3612 | ⑳ R12-1-2430 |
| ㉑ W11-25-3030 | ㉒ NO LITTERING 3030 | ㉓ W11-2-3636 | ㉔ W16-7PL-2412 | ㉕ W16-9P-2412 | ㉖ W3-1-3030 | | | | |

- NOTES:**
1. THE PAVEMENT MARKING ON THIS PROJECT SHALL BE MODIFIED URETHANE.
 2. ALL NEW SIGNS SHALL HAVE 3M DIAMOND GRADE SHEETING.
 3. ALL EXISTING SIGNS SHALL BE REMOVED UNLESS OTHERWISE NOTED ON THE PLANS.
 4. THE CONTRACTOR SHALL MATCH THE EXISTING PAVEMENT MARKINGS AT PROJECT LIMITS AS NECESSARY.



| | | |
|-----------------------|----------------|-----------|
| 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

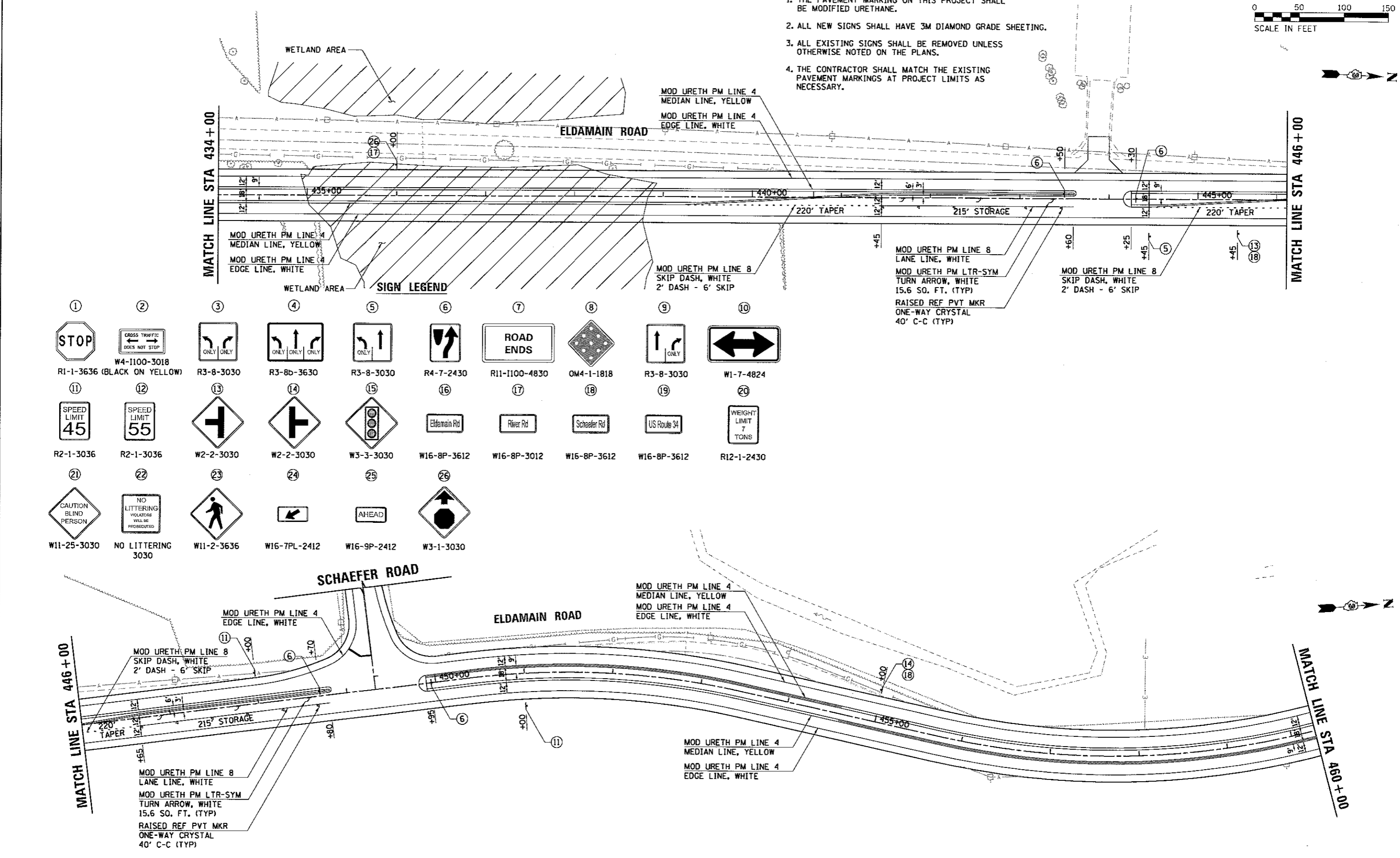
| PAVEMENT MARKING AND SIGNAGE PLANS | | | |
|------------------------------------|-----------|-----------|--------------|
| ELDAMAIN ROAD (SHEET 1 OF 4) | | | |
| SCALE: | SHEET NO. | OF SHEETS | STA. TO STA. |

| | | | | |
|---|----------------|---------|--------------|-----------|
| F.A.I.L. RTE. | SECTION NO. | COUNTY | TOTAL SHEETS | SHEET NO. |
| 4000 | 16-00136-00-RP | KENDALL | 237 | 85 |
| CONTRACT NO. 87666 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

| | |
|------|------|
| PLAN | DATE |
| BY | |
| DATE | |
| BY | |
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| PROFILE | DATE |
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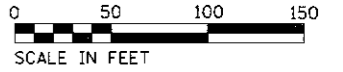
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 HRG PROJ. CONTACT: jba, jmd, dgt
 FILE NAME: 16_00136_00-RP
 PLOT DRIVER: l.pdf, bw.pdf, fg
 PEN TABLE: plottbl.tbl



- NOTES:
1. THE PAVEMENT MARKING ON THIS PROJECT SHALL BE MODIFIED URETHANE.
 2. ALL NEW SIGNS SHALL HAVE 3M DIAMOND GRADE SHEETING.
 3. ALL EXISTING SIGNS SHALL BE REMOVED UNLESS OTHERWISE NOTED ON THE PLANS.
 4. THE CONTRACTOR SHALL MATCH THE EXISTING PAVEMENT MARKINGS AT PROJECT LIMITS AS NECESSARY.

| | | | | | | | | | |
|---------------------------------------|--|----------------------------|-----------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------------|
| ① STOP R1-1-3636 (BLACK ON YELLOW) | ② CROSS TRAFFIC DOES NOT STOP W4-1100-3018 | ③ ONLY ONLY R3-8-3030 | ④ ONLY ONLY ONLY R3-8b-3630 | ⑤ ONLY R3-8-3030 | ⑥ ROAD ENDS R4-7-2430 | ⑦ ROAD ENDS R11-1100-4830 | ⑧ ROAD ENDS OM4-1-1818 | ⑨ ONLY R3-8-3030 | ⑩ ONLY W1-7-4824 |
| ⑪ SPEED LIMIT 45 R2-1-3036 | ⑫ SPEED LIMIT 55 R2-1-3036 | ⑬ T-junction W2-2-3030 | ⑭ T-junction W2-2-3030 | ⑮ Traffic light W3-3-3030 | ⑯ Eldamain Rd W16-8P-3612 | ⑰ River Rd W16-8P-3012 | ⑱ Schaefer Rd W16-8P-3612 | ⑲ US Route 34 W16-8P-3612 | ⑳ WEIGHT LIMIT 7 TONS R12-1-2430 |
| ㉑ CAUTION BLIND PERSON W11-25-3030 | ㉒ NO LITTERING VIOLATORS WILL BE PROSECUTED NO LITTERING 3030 | ㉓ Pedestrian W11-2-3636 | ㉔ Left turn arrow W16-7PL-2412 | ㉕ Ahead W16-9P-2412 | ㉖ No entry W3-1-3030 | | | | |

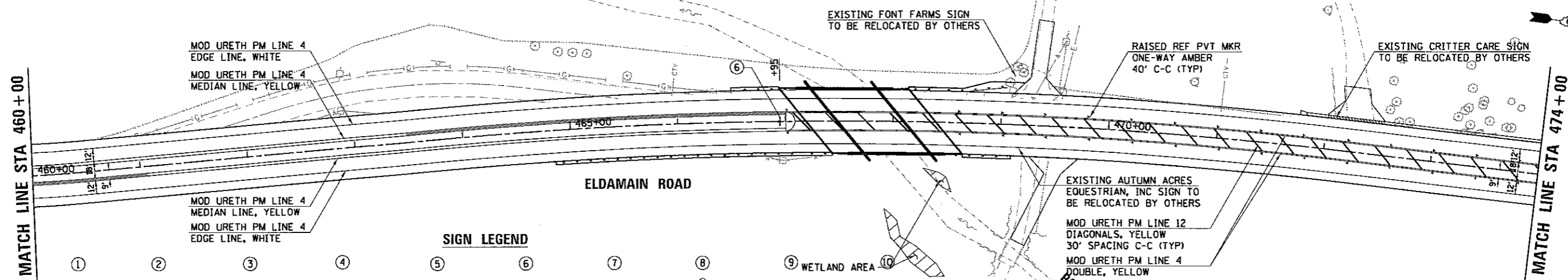
| | | | | | |
|---|---|--|---|--|---|
| HRGreen.com 1800 Professional Design Firm # 186-01122 | USER NAME = rbeat DESIGNED - APS DRAWN - RCB CHECKED - DATE - 5/15/17 | REVISED - REVISED - REVISED - REVISED - | KENDALL COUNTY HIGHWAY DEPARTMENT PAVEMENT MARKING AND SIGNAGE PLANS ELDAMAIN ROAD (SHEET 2 OF 4) | F.A.I. RTE. 4000 SECTION NO. 16-00136-00-RP COUNTY KENDALL TOTAL SHEETS 237 SHEET NO. 86 | CONTRACT NO. 87666 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT |
| | PLOT SCALE = PLOT DATE = 5/15/2017 | SCALE: SHEET NO. OF SHEETS STA. TO STA. | | | |



| | |
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| PLAN | DATE |
| BY | |
| REVISIONS | |
| NO. | |
| DESCRIPTION | |
| DATE | |
| BY | |

| | |
|-------------|------|
| PROFILE | DATE |
| BY | |
| REVISIONS | |
| NO. | |
| DESCRIPTION | |
| DATE | |
| BY | |

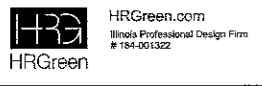
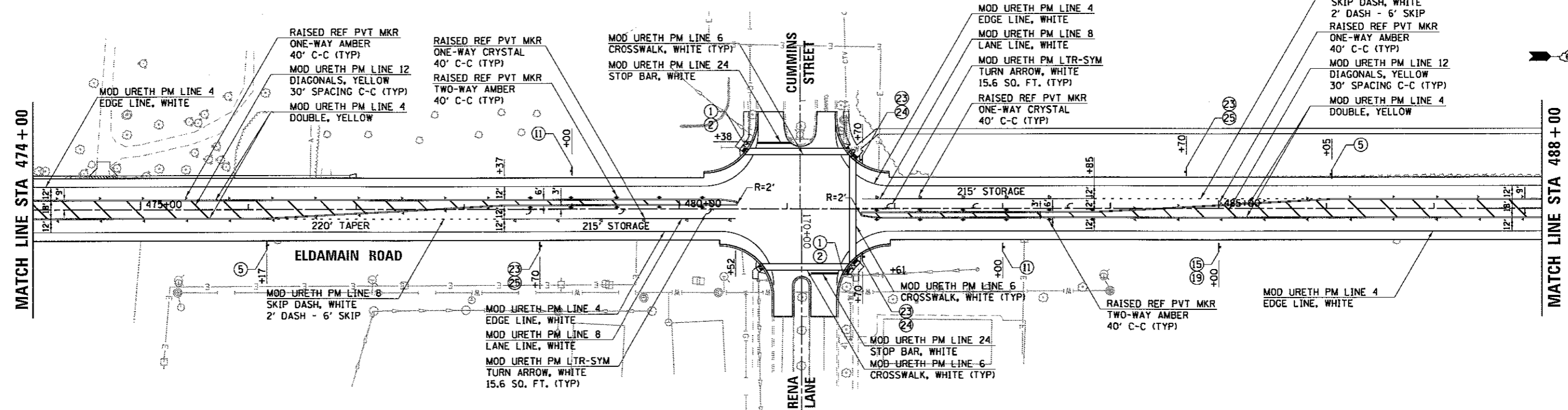
HRG PROJECT NO. 88620389
 HRG PROJ. CONTACT: 388A.pmo@dgn
 FILE NAME: 16.pcf_dwgsheet3.dwg
 PLOT DRIVER: plotfahat1.tcl
 PEN TABLE:



SIGN LEGEND

| | | | | | | | | | |
|---------------------------------------|--|--------------------------|--------------------------------|---------------------|------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------------|
| ① STOP R1-1-3636 (BLACK ON YELLOW) | ② CROSS TRAFFIC DOES NOT STOP W4-1100-3018 | ③ ONLY ONLY R3-8-3030 | ④ ONLY ONLY ONLY R3-8b-3630 | ⑤ ONLY R3-8-3030 | ⑥ R4-7-2430 | ⑦ ROAD ENDS R11-1100-4830 | ⑧ OM4-1-1818 | ⑨ WETLAND AREA R3-8-3030 | ⑩ W1-7-4824 |
| ⑪ SPEED LIMIT 45 R2-1-3036 | ⑫ SPEED LIMIT 55 R2-1-3036 | ⑬ W2-2-3030 | ⑭ W2-2-3030 | ⑮ W3-3-3030 | ⑯ Eldamain Rd W16-8P-3612 | ⑰ River Rd W16-8P-3012 | ⑱ Schaefer Rd W16-8P-3612 | ⑳ US Route 34 W16-8P-3612 | ㉑ WEIGHT LIMIT 7 TONS R12-1-2430 |
| ㉒ CAUTION BLIND PERSON W11-25-3030 | ㉓ NO LITTERING VIOLATORS WILL BE PROSECUTED NO LITTERING 3030 | ㉔ W11-2-3636 | ㉕ W16-7PL-2412 | ㉖ W16-9P-2412 | ㉗ W3-1-3030 | | | | |

- NOTES:**
1. THE PAVEMENT MARKING ON THIS PROJECT SHALL BE MODIFIED URETHANE.
 2. ALL NEW SIGNS SHALL HAVE 3M DIAMOND GRADE SHEETING.
 3. ALL EXISTING SIGNS SHALL BE REMOVED UNLESS OTHERWISE NOTED ON THE PLANS.
 4. THE CONTRACTOR SHALL MATCH THE EXISTING PAVEMENT MARKINGS AT PROJECT LIMITS AS NECESSARY.



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

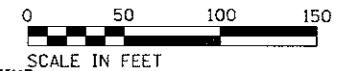
KENDALL COUNTY HIGHWAY DEPARTMENT

**PAVEMENT MARKING AND SIGNAGE PLANS
 ELDAMAIN ROAD (SHEET 3 OF 4)**

| | | | | |
|--------|-----------|-----------|------|---------|
| SCALE: | SHEET NO. | OF SHEETS | STA. | TO STA. |
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|---|----------------------------|----------------|------------------|--------------|
| F.A.U. RTE. 4000 | SECTION NO. 16-00136-00-RP | COUNTY KENDALL | TOTAL SHEETS 237 | SHEET NO. 87 |
| CONTRACT NO. 87666 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

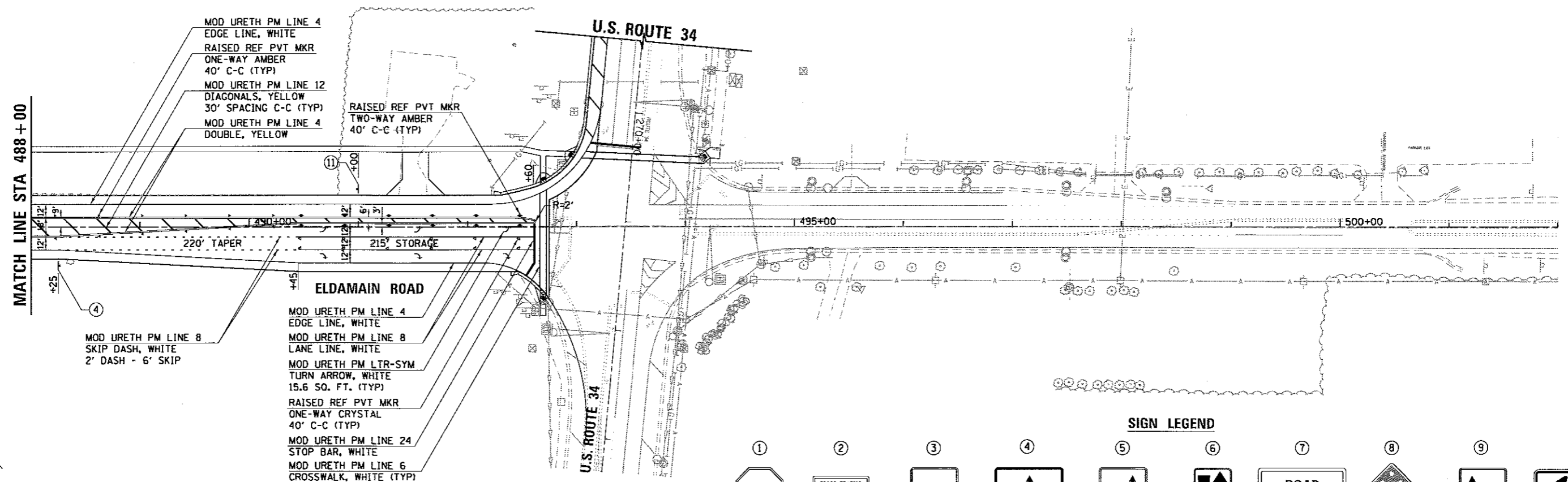
- NOTES:
1. THE PAVEMENT MARKING ON THIS PROJECT SHALL BE MODIFIED URETHANE.
 2. ALL NEW SIGNS SHALL HAVE 3M DIAMOND GRADE SHEETING.
 3. ALL EXISTING SIGNS SHALL BE REMOVED UNLESS OTHERWISE NOTED ON THE PLANS.
 4. THE CONTRACTOR SHALL MATCH THE EXISTING PAVEMENT MARKINGS AT PROJECT LIMITS AS NECESSARY.



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| PLAN | DATE |
| BY | |
| REVISIONS | |
| NO. | |
| DATE | |
| DESCRIPTION | |
| BY | |
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| DESCRIPTION | |
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| DATE | |
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| PROFILE | DATE |
| BY | |
| REVISIONS | |
| NO. | |
| DATE | |
| DESCRIPTION | |
| BY | |
| DATE | |
| DESCRIPTION | |
| BY | |
| DATE | |
| DESCRIPTION | |

HRG PROJECT NO.: 88/30381
 HRG PROJ. CONTACT: 384-6064.dgn
 FILE NAME: 16-00136-00-RP
 PLOT DRIVER: ll_pcf_bwp1c1g
 PEN TABLE: pntable.tbl



SIGN LEGEND

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|---------------------------------------|--|----------------------------|-----------------------------------|------------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|-------------------------------------|
| ① STOP R1-1-3636 (BLACK ON YELLOW) | ② CROSS TRAFFIC DOES NOT STOP W4-1100-3018 | ③ ONLY ONLY R3-8-3030 | ④ ONLY ONLY ONLY R3-8b-3630 | ⑤ ONLY R3-8-3030 | ⑥ ROAD ENDS R4-7-2430 | ⑦ ROAD ENDS R11-1100-4830 | ⑧ ROAD ENDS OM4-1-1818 | ⑨ ONLY R3-8-3030 | ⑩ ONLY W1-7-4824 |
| ⑪ SPEED LIMIT 45 R2-1-3036 | ⑫ SPEED LIMIT 55 R2-1-3036 | ⑬ T-junction W2-2-3030 | ⑭ T-junction W2-2-3030 | ⑮ Traffic light W3-3-3030 | ⑯ Eldmain Rd W16-8P-3612 | ⑰ River Rd W16-8P-3012 | ⑱ Schaefer Rd W16-8P-3612 | ⑲ US Route 34 W16-8P-3612 | ⑳ WEIGHT LIMIT 7 TONS R12-1-2430 |
| ㉑ CAUTION BLIND PERSON W11-25-3030 | ㉒ NO LITTERING VIOLATORS WILL BE PROSECUTED NO LITTERING 3030 | ㉓ Pedestrian W11-2-3636 | ㉔ Left turn arrow W16-7PL-2412 | ㉕ AHEAD W16-9P-2412 | ㉖ AHEAD W3-1-3030 | | | | |

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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 - |

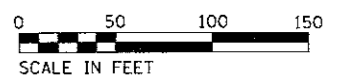
KENDALL COUNTY HIGHWAY DEPARTMENT

PAVEMENT MARKING AND SIGNAGE PLANS
 ELDAMAIN ROAD (SHEET 4 OF 4)

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

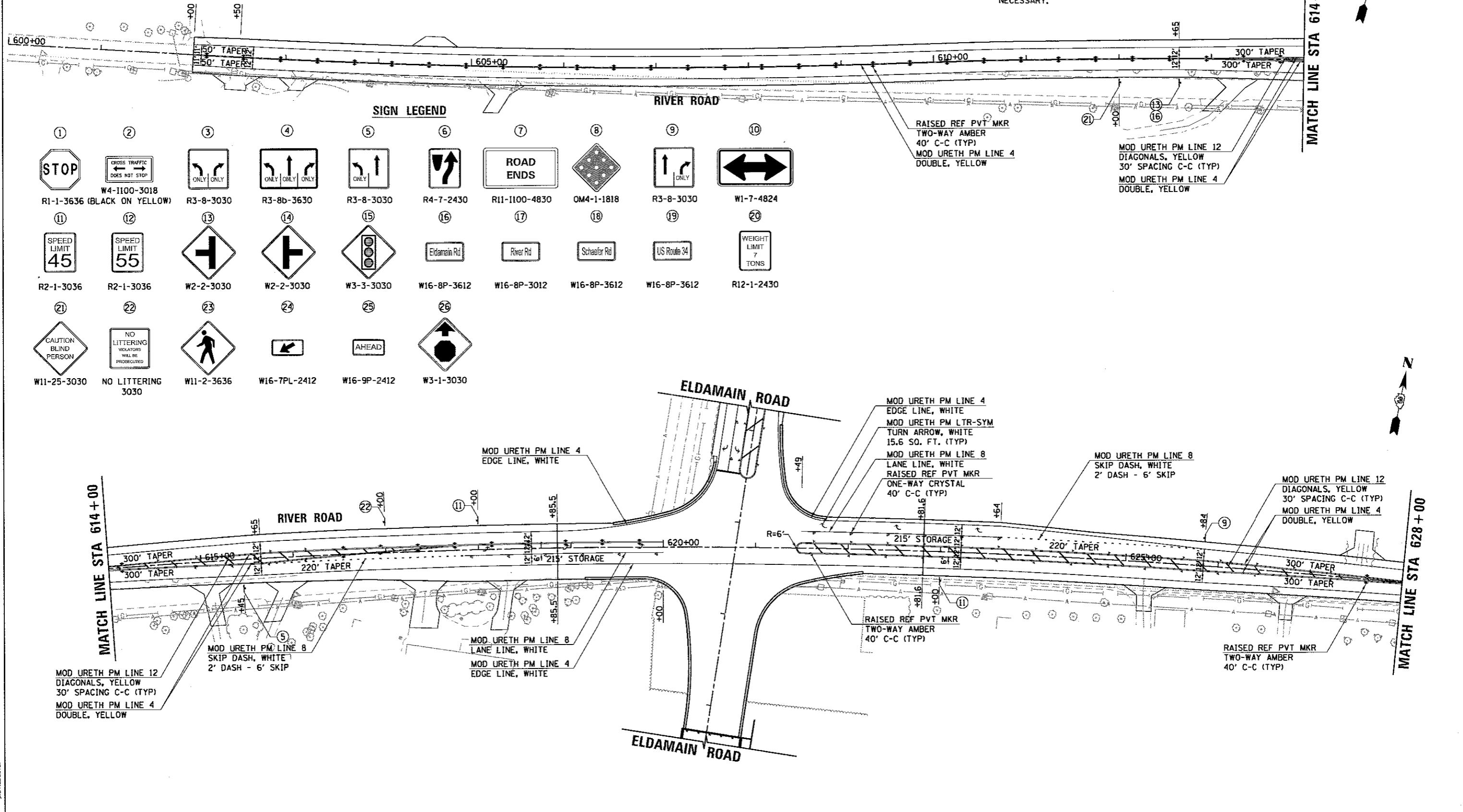
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| F.A.U. RTE. 4000 | SECTION NO. 16-00136-00-RP | COUNTY KENDALL | TOTAL SHEETS 237 | SHEET NO. 88 |
| CONTRACT NO. 87666 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

- NOTES:
1. THE PAVEMENT MARKING ON THIS PROJECT SHALL BE MODIFIED URETHANE.
 2. ALL NEW SIGNS SHALL HAVE 3M DIAMOND GRADE SHEETING.
 3. ALL EXISTING SIGNS SHALL BE REMOVED UNLESS OTHERWISE NOTED ON THE PLANS.
 4. THE CONTRACTOR SHALL MATCH THE EXISTING PAVEMENT MARKINGS AT PROJECT LIMITS AS NECESSARY.



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| REVISIONS | |
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| DATE | |
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| DESCRIPTION | |



SIGN LEGEND

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|---------------------------------------|---|--------------------------|--------------------------------|---------------------|------------------------------|------------------------------|------------------------------|------------------------------|-------------------------------------|
| ① STOP R1-1-3636 (BLACK ON YELLOW) | ② CROSS TRAFFIC DOES NOT STOP W4-1100-3018 | ③ ONLY ONLY R3-8-3030 | ④ ONLY ONLY ONLY R3-8b-3630 | ⑤ ONLY R3-8-3030 | ⑥ R4-7-2430 | ⑦ ROAD ENDS R11-1100-4830 | ⑧ OM4-1-1818 | ⑨ ONLY R3-8-3030 | ⑩ W1-7-4824 |
| ⑪ SPEED LIMIT 45 R2-1-3036 | ⑫ SPEED LIMIT 55 R2-1-3036 | ⑬ W2-2-3030 | ⑭ W2-2-3030 | ⑮ W3-3-3030 | ⑯ Eldamain Rd W16-8P-3612 | ⑰ River Rd W16-8P-3012 | ⑱ Schaefer Rd W16-8P-3612 | ⑲ US Route 34 W16-8P-3612 | ⑳ WEIGHT LIMIT 7 TONS R12-1-2430 |
| ㉑ CAUTION BLIND PERSON W11-25-3030 | ㉒ NO LITTERING VIOLATORS WILL BE PROSECUTED 3030 | ㉓ W11-2-3636 | ㉔ W16-7PL-2412 | ㉕ W16-9P-2412 | ㉖ W3-1-3030 | | | | |

HRG PROJECT NO. 881028
 HRG PROJ. CONTACTS 364_pm05.dgn
 FILE NAME: L.pcf_bw.dftc19
 PLOT DRIVER: plotfabal.tbl
 PEN TABLE:

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|---|--|--|-----------------------------------|---|---|----------------------------|----------------|------------------|--------------|
| HRGreen.com Illinois Professional Design Firm #184-001322 | USER NAME = rbest DESIGNED - APS DRAWN - RCB CHECKED - PLOT DATE = 5/15/2017 | REVISED - REVISED - REVISED - REVISED - | KENDALL COUNTY HIGHWAY DEPARTMENT | PAVEMENT MARKING AND SIGNAGE PLANS RIVER ROAD (SHEET 1 OF 2) | F.A.U. RTE. 4000 | SECTION NO. 16-00136-00-RP | COUNTY KENDALL | TOTAL SHEETS 237 | SHEET NO. 89 |
| | SCALE: | SHEET NO. OF SHEETS STA. TO STA. | | | FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | CONTRACT NO. 87666 | | | |

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

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| PROFILE | DATE |
| BY | |
| REVIEWED | |
| GRADES CHECKED | |
| STRUCTURE NOTATIONS CHECKED | |
| NOTE BOOK NO. | |
| FILE NAME | |
| PLOT DRIVER | |
| PEN TABLE | |

HRG PROJECT NO. 6610289
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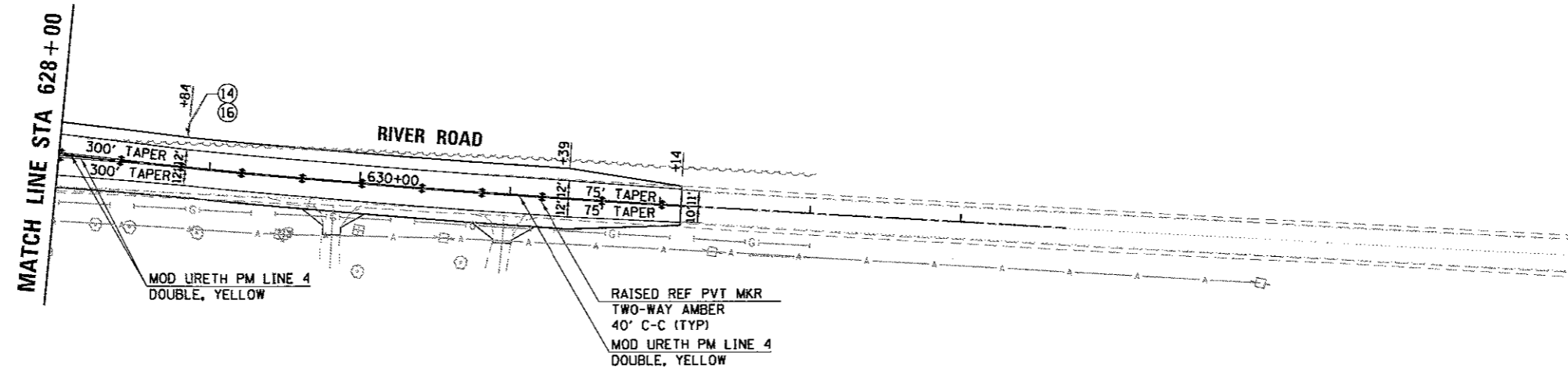
SIGN LEGEND

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|--------------------------------------|----------------------------|---------------------|-----------------------|----------------------|----------------------|------------------------|----------------------|----------------------|---------------------|
| ① R1-1-3636 (BLACK ON YELLOW) | ② W4-1100-3018 | ③ R3-8-3030 | ④ R3-8b-3630 | ⑤ R3-8-3030 | ⑥ R4-7-2430 | ⑦ R11-1100-4830 | ⑧ OM4-1-1818 | ⑨ R3-8-3030 | ⑩ W1-7-4824 |
| ⑪ R2-1-3036 | ⑫ R2-1-3036 | ⑬ W2-2-3030 | ⑭ W2-2-3030 | ⑮ W3-3-3030 | ⑯ W16-8P-3612 | ⑰ W16-8P-3012 | ⑱ W16-8P-3612 | ⑲ W16-8P-3612 | ⑳ R12-1-2430 |
| ㉑ W11-25-3030 | ㉒ NO LITTERING 3030 | ㉓ W11-2-3636 | ㉔ W16-7PL-2412 | ㉕ W16-9P-2412 | ㉖ W3-1-3030 | | | | |

NOTES:
 1. THE PAVEMENT MARKING ON THIS PROJECT SHALL BE MODIFIED URETHANE.
 2. ALL NEW SIGNS SHALL HAVE 3M DIAMOND GRADE SHEETING.
 3. ALL EXISTING SIGNS SHALL BE REMOVED UNLESS OTHERWISE NOTED ON THE PLANS.
 4. THE CONTRACTOR SHALL MATCH THE EXISTING PAVEMENT MARKINGS AT PROJECT LIMITS AS NECESSARY.

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SCALE IN FEET

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HRGreen.com
 Illinois Professional Design Firm
 #194-001322

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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 - |

KENDALL COUNTY HIGHWAY DEPARTMENT

| PAVEMENT MARKING AND SIGNAGE PLANS | | | |
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| RIVER ROAD (SHEET 2 OF 2) | | | |
| SCALE: | SHEET NO. | OF SHEETS | STA. TO STA. |

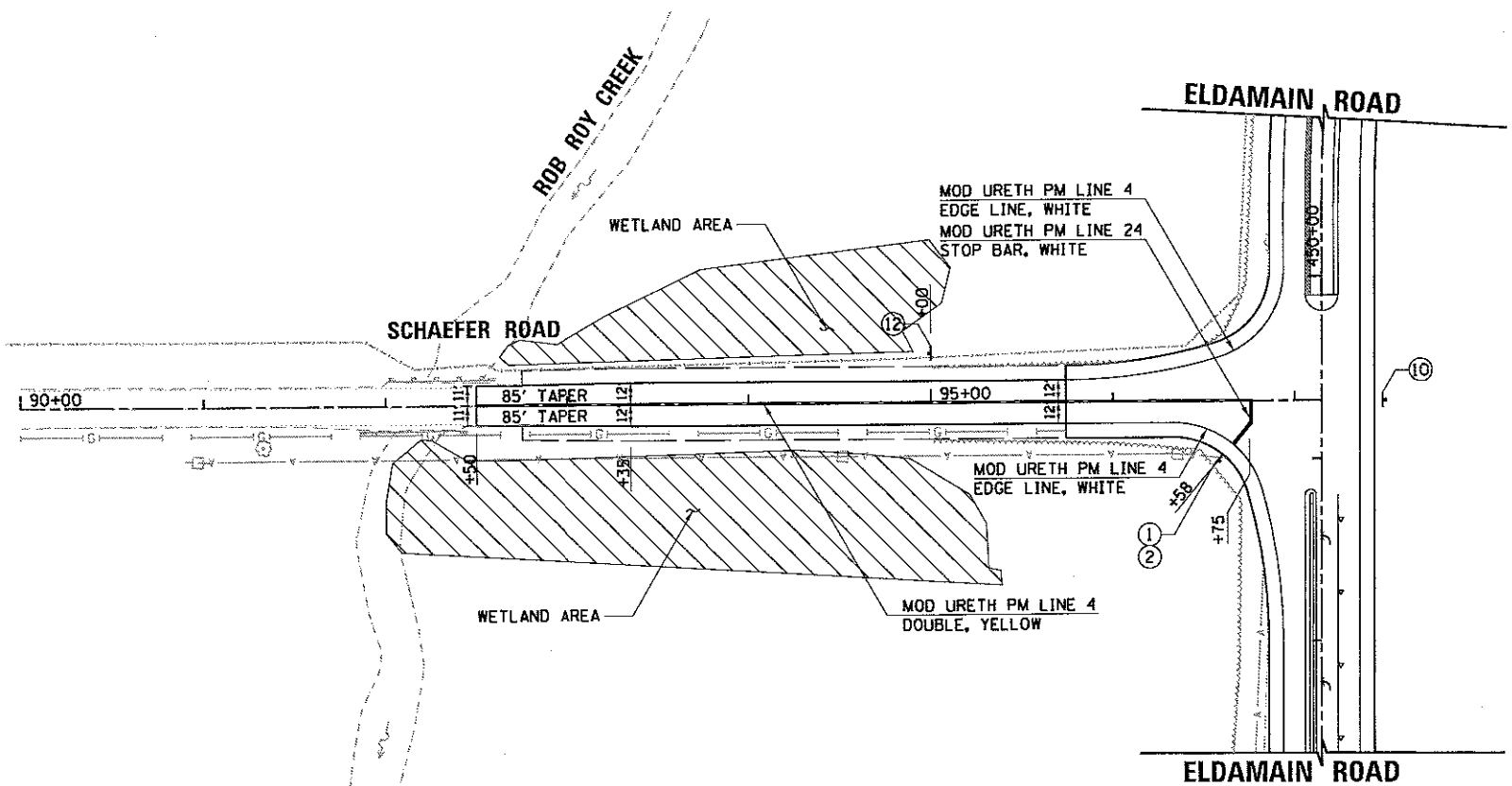
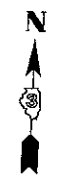
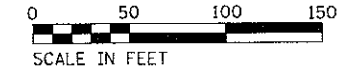
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|---|----------------|---------|--------------|-----------|
| F.A.U. RTE. | SECTION NO. | COUNTY | TOTAL SHEETS | SHEET NO. |
| 4000 | 16-00136-00-RP | KENDALL | 237 | 90 |
| CONTRACT NO. 87666 | | | | |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |

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| PLANNING | |
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| DRAWN | |
| CHECKED | |
| DATE | |
| NO. | |

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| DATE | |
| BY | |
| PROFILE | |
| DESIGNED | |
| DRAWN | |
| CHECKED | |
| DATE | |
| NO. | |

HRG PROJECT NO: 0820381
 HRG PROJ CONTACT: 384_pml.dgn
 FILE NAME: l_per_bwinp16g
 PLOT DRIVER: plot16b16i
 PEN TABLE:

- NOTES:
1. THE PAVEMENT MARKING ON THIS PROJECT SHALL BE MODIFIED URETHANE.
 2. ALL NEW SIGNS SHALL HAVE 3M DIAMOND GRADE SHEETING.
 3. ALL EXISTING SIGNS SHALL BE REMOVED UNLESS OTHERWISE NOTED ON THE PLANS.
 4. THE CONTRACTOR SHALL MATCH THE EXISTING PAVEMENT MARKINGS AT PROJECT LIMITS AS NECESSARY.



SIGN LEGEND

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|--------------------------------------|-----------------------------|----------------------|------------------------|-----------------------|-----------------------|------------------------|-----------------------|-----------------------|----------------------|
| 1 R1-1-3636 (BLACK ON YELLOW) | 2 W4-1100-3018 | 3 R3-8-3030 | 4 R3-8b-3630 | 5 R3-8-3030 | 6 R4-7-2430 | 7 R11-1100-4830 | 8 OM4-1-1818 | 9 R3-8-3030 | 10 W1-7-4824 |
| 11 R2-1-3036 | 12 R2-1-3036 | 13 W2-2-3030 | 14 W2-2-3030 | 15 W3-3-3030 | 16 W16-8P-3612 | 17 W16-8P-3012 | 18 W16-8P-3612 | 19 W16-8P-3612 | 20 R12-1-2430 |
| 21 W11-25-3030 | 22 NO LITTERING 3030 | 23 W11-2-3636 | 24 W16-7PL-2412 | 25 W16-9P-2412 | 26 W3-1-3030 | | | | |



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

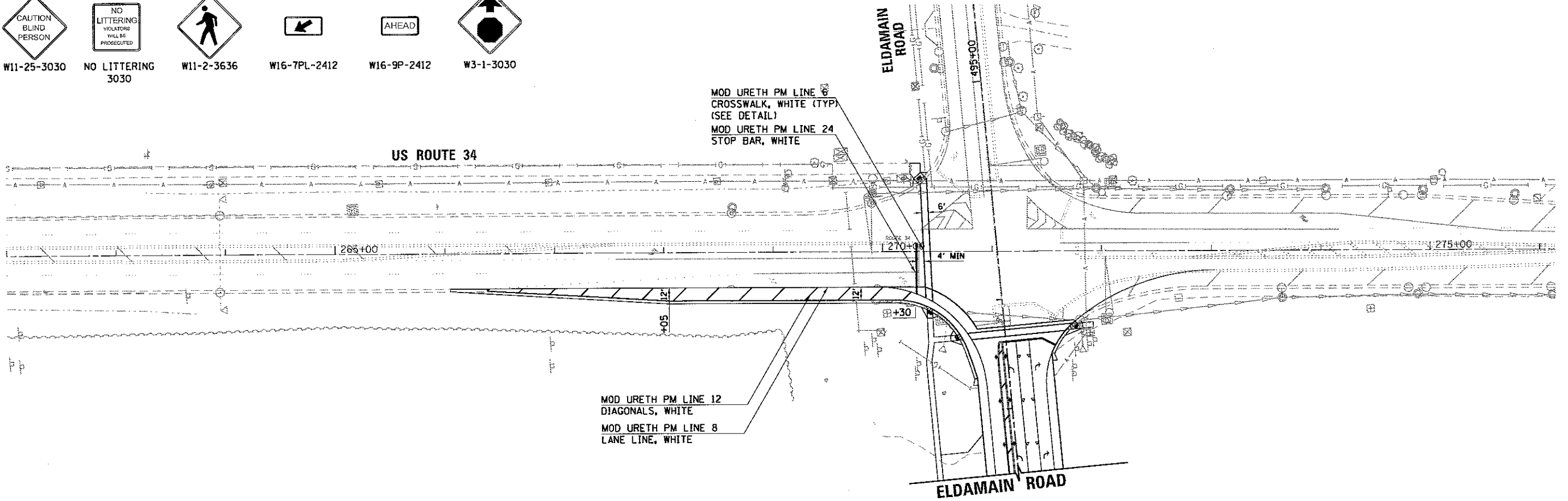
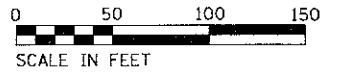
KENDALL COUNTY HIGHWAY DEPARTMENT

| PAVEMENT MARKING AND SIGNAGE PLANS | | | |
|------------------------------------|-----------|-----------|--------------|
| SCHAEFER ROAD (SHEET 1 OF 1) | | | |
| 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 | 91 |
| FED. ROAD DIST. NO. | | ILLINOIS FED. AID PROJECT | | |
| | | CONTRACT NO. 87666 | | |

| SIGN LEGEND | | | | | | | | | |
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| ① | ② | ③ | ④ | ⑤ | ⑥ | ⑦ | ⑧ | ⑨ | ⑩ |
| | | | | | | | | | |
| R1-1-3636 (BLACK ON YELLOW) | W4-1100-3018 | R3-8-3030 | R3-8b-3630 | R3-8-3030 | R4-7-2430 | R11-1100-4830 | OM4-1-1818 | R3-8-3030 | W1-7-4824 |
| ⑪ | ⑫ | ⑬ | ⑭ | ⑮ | ⑯ | ⑰ | ⑱ | ⑲ | ⑳ |
| | | | | | | | | | |
| R2-1-3036 | R2-1-3036 | W2-2-3030 | W2-2-3030 | W3-3-3030 | W16-8P-3612 | W16-8P-3012 | W16-8P-3612 | W16-8P-3612 | R12-1-2430 |
| ㉑ | ㉒ | ㉓ | ㉔ | ㉕ | ㉖ | | | | |
| | | | | | | | | | |
| W11-25-3030 | NO LITTERING 3030 | W11-2-3636 | W16-7PL-2412 | W16-9P-2412 | W3-1-3030 | | | | |

- NOTES:
1. THE PAVEMENT MARKING ON THIS PROJECT SHALL BE MODIFIED URETHANE.
 2. ALL NEW SIGNS SHALL HAVE 3M DIAMOND GRADE SHEETING.
 3. ALL EXISTING SIGNS SHALL BE REMOVED UNLESS OTHERWISE NOTED ON THE PLANS.
 4. THE CONTRACTOR SHALL MATCH THE EXISTING PAVEMENT MARKINGS AT PROJECT LIMITS AS NECESSARY.



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| PLAN | SURVEYED | DATE |
| | BY | |
| | NOTED | |
| | BY | |
| | DATE | |

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| PROFILE | SURVEYED | DATE |
| | BY | |
| | NOTED | |
| | BY | |
| | DATE | |

HRG PROJECT NO. 060308
 HRG PROJ. CONTACT: BOB PERCIBUT
 PLOT DRIVER: K. JEFF NEWBERRY
 PEN TABLET: PLS100421

| | | | | | | | | | |
|--|--|--|-----------------------------------|--|---|--|--|--|---|
| | USER NAME = rbest DESIGNED - APS DRAWN - RCB CHECKED - PLOT DATE = 5/15/2017 | REVISED - REVISED - REVISED - REVISED - | KENDALL COUNTY HIGHWAY DEPARTMENT | PAVEMENT MARKING AND SIGNAGE PLANS US ROUTE 34 (SHEET 1 OF 1) | | | | F.A. RTE. 4000 SECTION NO. 16-00136-00-RP COUNTY KENDALL TOTAL SHEETS 237 SHEET NO. 92 | CONTRACT NO. 87666 FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT |
| | HRGreen.com Illinois Professional Design Firm # 194-001322 | | | | SCALE: SHEET NO. OF SHEETS STA. TO STA. | | | | |

| ITEM | UNIT | ELDAMAIN ROAD AT U.S. ROUTE 34 |
|---|------|--------------------------------|
| UNDERGROUND CONDUIT, PVC, 1 1/4" DIA. | FOOT | 151 |
| UNDERGROUND CONDUIT, PVC, 2" DIA. | FOOT | 1126 |
| UNDERGROUND CONDUIT, PVC, 2 1/2" DIA. | FOOT | 16 |
| UNDERGROUND CONDUIT, PVC, 4" DIA. | FOOT | 298 |
| HANDHOLE, PORTLAND CEMENT CONCRETE | EACH | 5 |
| ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8 | FOOT | 560 |
| LIGHT POLE FOUNDATION, 24" DIAMETER | FOOT | 5 |
| BREAKAWAY DEVICE, TRANSFORMER BASE, 11.5 INCH BOLT CIRCLE | EACH | 1 |
| RELOCATE EXISTING LIGHTING UNIT | EACH | 1 |
| MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION | EACH | 1 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C | FOOT | 1044 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C | FOOT | 1072 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C | FOOT | 1224 |
| ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C | FOOT | 3681 |
| ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR | FOOT | 4000 |
| ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C | FOOT | 790 |
| TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT. | EACH | 3 |
| PEDESTRIAN PUSH-BUTTON POST, TYPE I | EACH | 1 |
| STEEL MAST ARM ASSEMBLY AND POLE 55 FT. | EACH | 1 |
| CONCRETE FOUNDATION, TYPE A | FOOT | 9 |
| CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER | FOOT | 15 |
| DRILL EXISTING HANDHOLE | EACH | 6 |
| SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED | EACH | 1 |
| SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED | EACH | 1 |
| SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED | EACH | 4 |
| PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED WITH COUNT DOWN TIMER | EACH | 4 |
| TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC | EACH | 6 |
| INDUCTIVE LOOP DETECTOR | EACH | 8 |
| PREFORMED DETECTOR LOOP | FOOT | 692 |
| PEDESTRIAN PUSH-BUTTON | EACH | 4 |
| TEMPORARY TRAFFIC SIGNAL INSTALLATION | EACH | 1 |
| RELOCATE EXISTING SIGNAL HEAD | EACH | 6 |
| REMOVE ELECTRIC CABLE FROM CONDUIT | FOOT | 1675 |
| REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT | FOOT | 500 |
| REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT | EACH | 1 |
| REMOVE EXISTING HANDHOLE | EACH | 1 |
| REMOVE EXISTING CONCRETE FOUNDATION | EACH | 2 |
| GROUND EXISTING HANDHOLE | EACH | 1 |
| LOOP DETECTOR TESTING | EACH | 1 |
| MODIFY EXISTING CONTROLLER AND CABINET | EACH | 1 |
| TEMPORARY TRAFFIC SIGNAL TIMING | EACH | 1 |

TRAFFIC SIGNAL GENERAL NOTES

1. THE CONTRACTOR SHALL CONTACT THE KENDALL COUNTY HIGHWAY DEPARTMENT (630-553-7616) AND THE ILLINOIS DEPARTMENT OF TRANSPORTATION (815-434-8506) A MINIMUM OF 72 HOURS PRIOR TO BEGINNING WORK.
2. THE TRAFFIC SIGNAL SECTION AT THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DISTRICT 3 SHALL BE NOTIFIED AT (815-434-8506) AT LEAST 72 HOURS PRIOR TO TURNING ON ANY FLASHER OR CONTROLLER UNITS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS (800-892-0123).
4. ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH SECTION 701 OF THE STANDARD SPECIFICATIONS.
5. ALL NEW TRAFFIC SIGNAL HEADS SHALL BE 12-INCH POLYCARBONATE.
6. TRAFFIC SIGNAL HEADS SHALL BE PROPERLY COVERED PRIOR TO INTERSECTION TURN-ON OR AS DIRECTED BY THE ENGINEER. THIS COST SHALL BE INCLUDED WITH THE COST OF THE ASSOCIATED TRAFFIC SIGNAL PAY ITEMS.
7. A 1/4" DIAMETER CONTINUOUS RODENT RESISTANT NYLON ROPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATIONS OR CONTROLLER. THIS COST SHALL BE INCLUDED WITH THE COST OF CONDUIT PAY ITEM.
8. ALL CONDUIT IN TRENCH SHALL BE P.V.C.. ALL CONDUIT PUSHED MAY BE P.V.C. OR GALVANIZED STEEL. CONDUIT ATTACHED TO STRUCTURES SHALL BE GALVANIZED STEEL.
9. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT A GREATER THAN 2' MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
10. THE ELECTRICAL CONDUCTORS FOR ALL TRAFFIC SIGNAL HEADS SHALL BE SOLID, SOFT COPPER.
11. ALL THREADS OF BOLTS USED IN THE ASSEMBLY OF TRAFFIC SIGNAL COMPONENTS SHALL BE COATED WITH A NON-LEAD BASED ANTI-SEIZE COMPOUND, SIMILAR TO LEAD PLATE, PRIOR TO ASSEMBLY.
12. ALL HARDWARE SHALL BE TIGHTENED AND WELL SECURED. CABLES SHALL BE NEATLY WOUND IN HANDHOLES. CABLES SHALL BE NEATLY TRAINED IN THE CONTROLLER CABINET.
13. ALL TRAFFIC SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO SIGNAL. SPLICES IN JUNCTION BOXES WILL NOT BE ALLOWED.
14. ALL NEW VEHICLE AND PEDESTRIAN SIGNAL HEADS SHALL HAVE POLYCARBONATE BLACK HOUSING AND BLACK BRACKETS.
15. ALL GROUNDING MATERIALS FOR THE TRAFFIC SIGNAL CONCRETE FOUNDATIONS SHALL BE IN ACCORDANCE WITH SECTION 806 OF THE STANDARD SPECIFICATIONS.
16. ALL AREAS DISTURBED BY THE CONTRACTOR SHALL BE RESTORED WITH SEED OR SOD TO THE SATISFACTION OF THE ENGINEER. SEEDING OR SODDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION.
17. THE MAST ARMS SHALL BE LOCATED A MINIMUM OF 6' FROM THE FACE OF CURB OR A MINIMUM OF 18' FROM THE EDGE OF PAVEMENT TO THE FACE OF FOUNDATION WHERE THERE IS NO CURB, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. IN CURB AREA, PROVIDE MORE THAN 6' IF POSSIBLE, PROVIDED THE SIGNAL HEADS STILL LINE UP IN THE CENTER OF THE LANES.
18. SEE DETOUR PLAN FOR INFORMATION REGARDING CHANGEABLE MESSAGE SIGNS.
19. EXISTING CONDUIT ROUTING IS BASED ON THE EXISTING PLANS AND SHOULD BE VERIFIED BY THE CONTRACTOR IN THE FIELD.
20. QUANTITY FOR REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT INCLUDES KNOWN QUANTITY AND CONTINGENCY.

TEMPORARY TRAFFIC SIGNALS GENERAL NOTES

1. TEMPORARY WOOD POLES SHALL BE LOCATED A MINIMUM OF 6' FROM THE FACE OF CURB OR A MINIMUM OF 18' FROM THE EDGE OF PAVEMENT WHERE THERE IS NO CURB, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
2. ALL TEMPORARY WOOD POLES SHALL BE INSTALLED SO THAT A MINIMUM OF 30' OF POLE IS ABOVE THE EXISTING PAVEMENT ELEVATION ADJACENT TO THE POLE. A SUFFICIENT LENGTH OF POLE SHALL BE BURIED AND BACK GUYED TO ALLOW FOR THE INSTALLATION TO WITHSTAND A 70 M.P.H. SUSTAINED WIND LOADING.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CHECKING THE WOOD POLE LOCATIONS BEFORE ORDERING TO DETERMINE IF LONGER POLES ARE REQUIRED.
4. THE CONTRACTOR SHALL FURNISH ENOUGH SLACK CABLE TO RELOCATE THE SIGNAL HEADS TO ANY POSITION FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNALS SHALL REMAIN IN OPERATION DURING ALL RELOCATIONS.
5. THE SPAN WIRE MOUNTED TEMPORARY SIGNAL HEADS SHALL MAINTAIN A UNIFORM 18" CLEARANCE OVER THE ROADWAY.
6. ALL TEMPORARY TRAFFIC SIGNAL AND PEDESTRIAN SECTIONS SHALL HAVE 12" LENSES.
7. THE TEMPORARY TRAFFIC SIGNAL HEADS SHALL BE PLACED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
8. ALL LABOR AND MATERIALS REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE CONSIDERED AS INCLUDED IN THE PRICE FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.

KENDALL COUNTY HIGHWAY DEPARTMENT

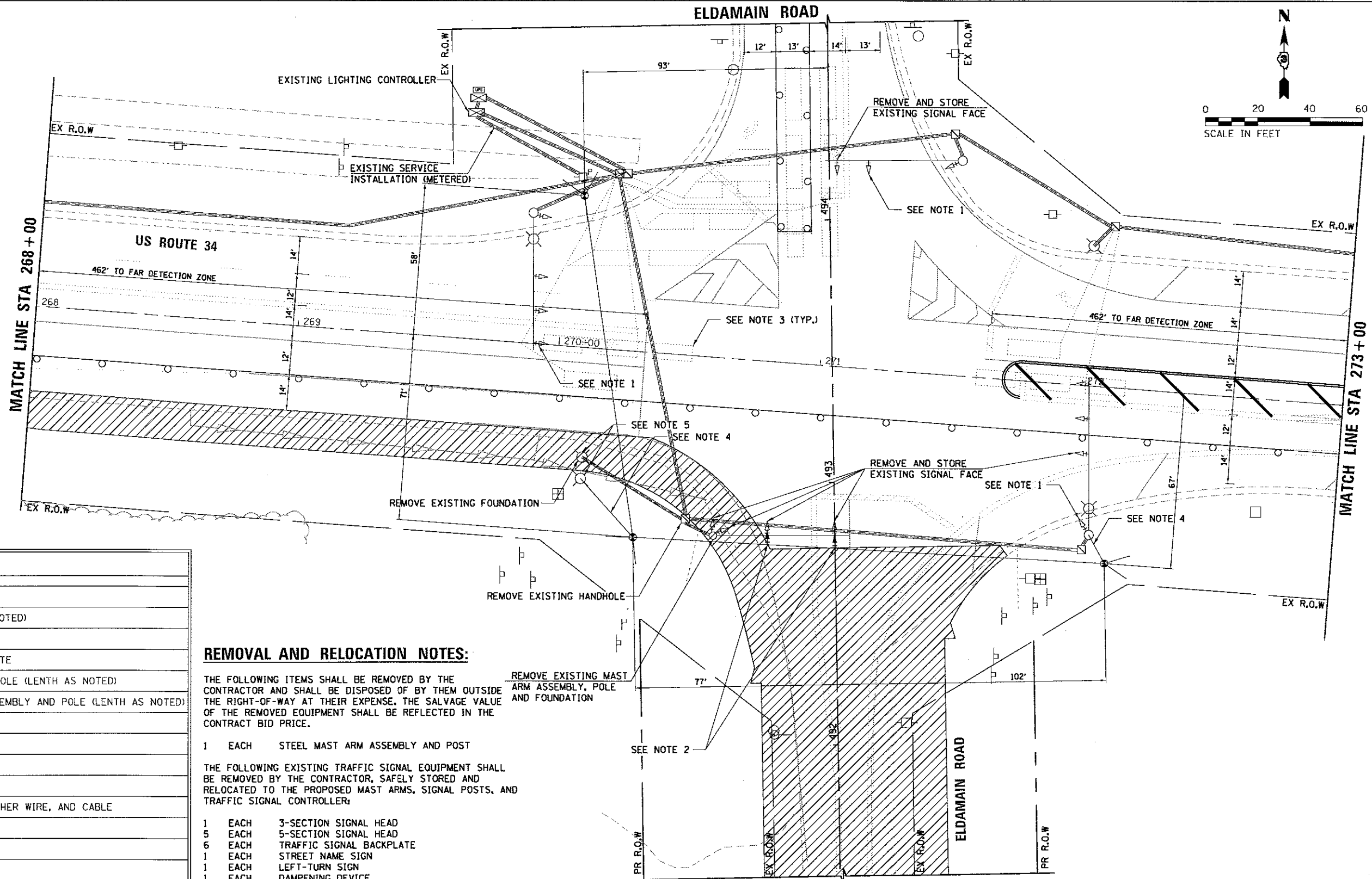
TRAFFIC SIGNAL SCHEDULE AND GENERAL NOTES

SCALE: N/A SHEET NO. OF SHEETS STA. TO STA.

| F.A.I. RTE. | SECTION NO. | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------------|---------|--------------------|-----------|
| 4000 | 16-00136-00-RP | KENDALL | 237 | 93 |
| FED. ROAD DIST. NO. 3 [ILLINOIS] FED. AID PROJECT | | | CONTRACT NO. 87666 | |

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

| | | |
|------------------------------|----------------|-----------|
| USER NAME = StevenB | DESIGNED - MAG | REVISED - |
| PLOT SCALE = 10.0000' / 1" = | DRAWN - DJW | REVISED - |
| PLOT DATE = 5/16/2017 | CHECKED - BMA | REVISED - |
| | DATE - 5/15/17 | REVISED - |



| LEGEND | | |
|----------|----------|--|
| EXISTING | PROPOSED | |
| | | CONTROLLER CABINET |
| | | SIGNAL POST (LENGTH AS NOTED) |
| | | SIGNAL FACE |
| | | SIGNAL FACE WITH BACKPLATE |
| | | MAST ARM ASSEMBLY AND POLE (LENGTH AS NOTED) |
| | | COMBINATION MAST ARM ASSEMBLY AND POLE (LENGTH AS NOTED) |
| | | HANDHOLE |
| | | DOUBLE HANDHOLE |
| | | HEAVY DUTY HANDHOLE |
| | | CONDUIT |
| | | TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE |
| | | SERVICE INSTALLATION |
| | | LIGHT DETECTOR |
| | | CONFIRMATION BEACON |
| | | TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 50 FOOT MIN. |
| | | JUNCTION BOX |
| | | PEDESTRIAN SIGNAL HEAD |
| | | PEDESTRIAN PUSH-BUTTON |
| | | VIDEO DETECTION CAMERA |
| | | VIDEO DETECTION ZONE |
| | | LOOP DETECTOR |
| | | WORK AREA |

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

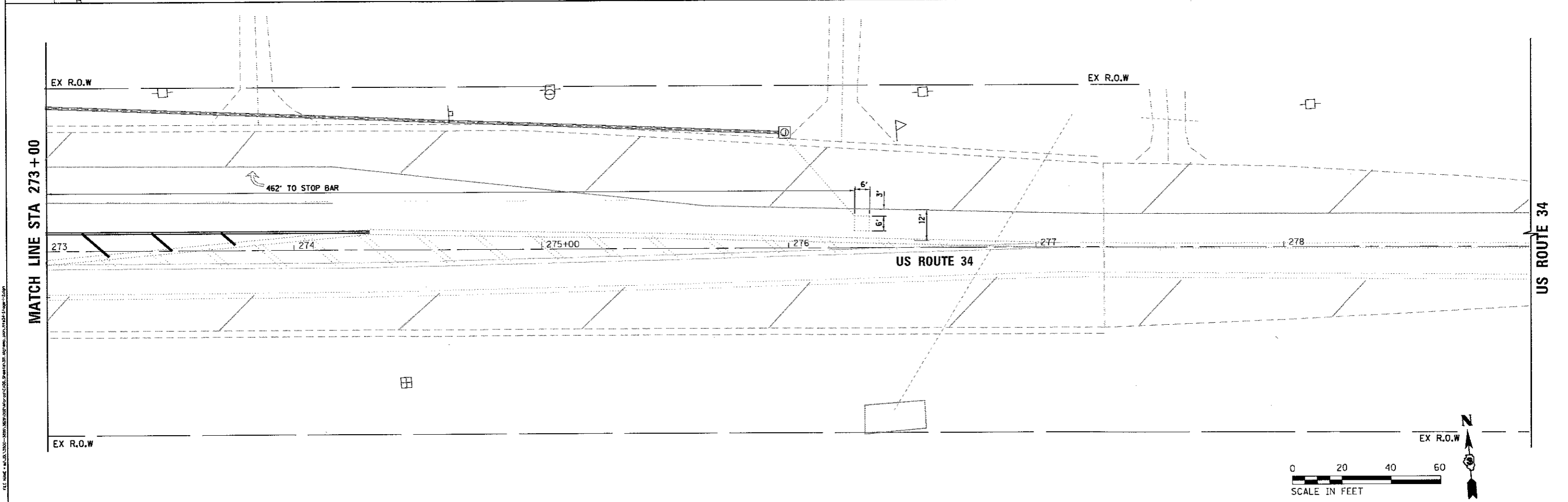
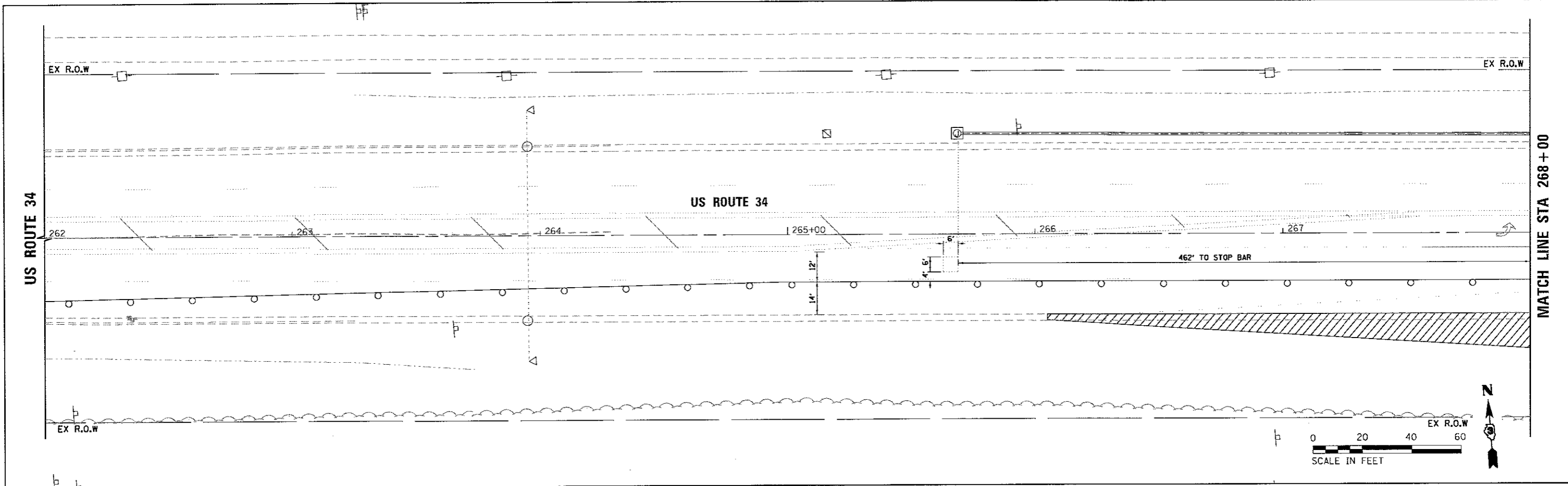
- 1 EACH STEEL MAST ARM ASSEMBLY AND POST
- THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SAFELY STORED AND RELOCATED TO THE PROPOSED MAST ARMS, SIGNAL POSTS, AND TRAFFIC SIGNAL CONTROLLER:
- 1 EACH 3-SECTION SIGNAL HEAD
- 5 EACH 5-SECTION SIGNAL HEAD
- 6 EACH TRAFFIC SIGNAL BACKPLATE
- 1 EACH STREET NAME SIGN
- 1 EACH LEFT-TURN SIGN
- 1 EACH DAMPENING DEVICE


THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR THE PICK UP OF ALL THE EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY.

NAME OF AGENCY ILLINOIS DEPARTMENT OF TRANSPORTATION
 CONTACT PERSON DAN DEVINE
 DEPARTMENT BUREAU OF OPERATIONS
 PHONE NUMBER (815) 434-8506

NO EQUIPMENT INCLUDED WITH THIS SUBMITTAL.

- NOTES:
1. SIGNAL FACE SHALL BE BAGGED DURING STAGE 1A.
 2. TEMPORARY SIGNAL EQUIPMENT SHALL BE ACTIVE WHEN ELDAMAIN ROAD IS CLOSED AND SHALL REMAIN ACTIVE UNTIL PROPOSED MAST ARM AND SIGNALS ARE OPERATIONAL.
 3. EXISTING LOOP DETECTORS SHALL BE USED FOR TEMPORARY SIGNAL DETECTION ON THE NORTH, EAST, AND WEST APPROACHES.
 4. DURING CONSTRUCTION SIGNALS AND LIGHT ON EXISTING MAST ARM AND LIGHT ON EXISTING LIGHT POLE ARE TO BE FED FROM DROP CABLE FROM TEMPORARY SPAN WIRE.
 5. EXISTING LIGHT POLE AND FIXTURE TO BE RELOCATED TO 3 FEET BEHIND THE FACE OF CURB. EXISTING LIGHT POLE TO REMAIN ACTIVE UNTIL SUCH TIME THAT THE POLE AND FIXTURE CAN BE RELOCATED AND POWERED FROM THE DROP CABLE FROM TEMPORARY SPAN WIRE OR PERMANENT CONDUIT.
 6. TEMPORARY POLES AND POWER NEED TO BE ESTABLISHED BEFORE EXISTING HANDHOLE IS REMOVED.




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

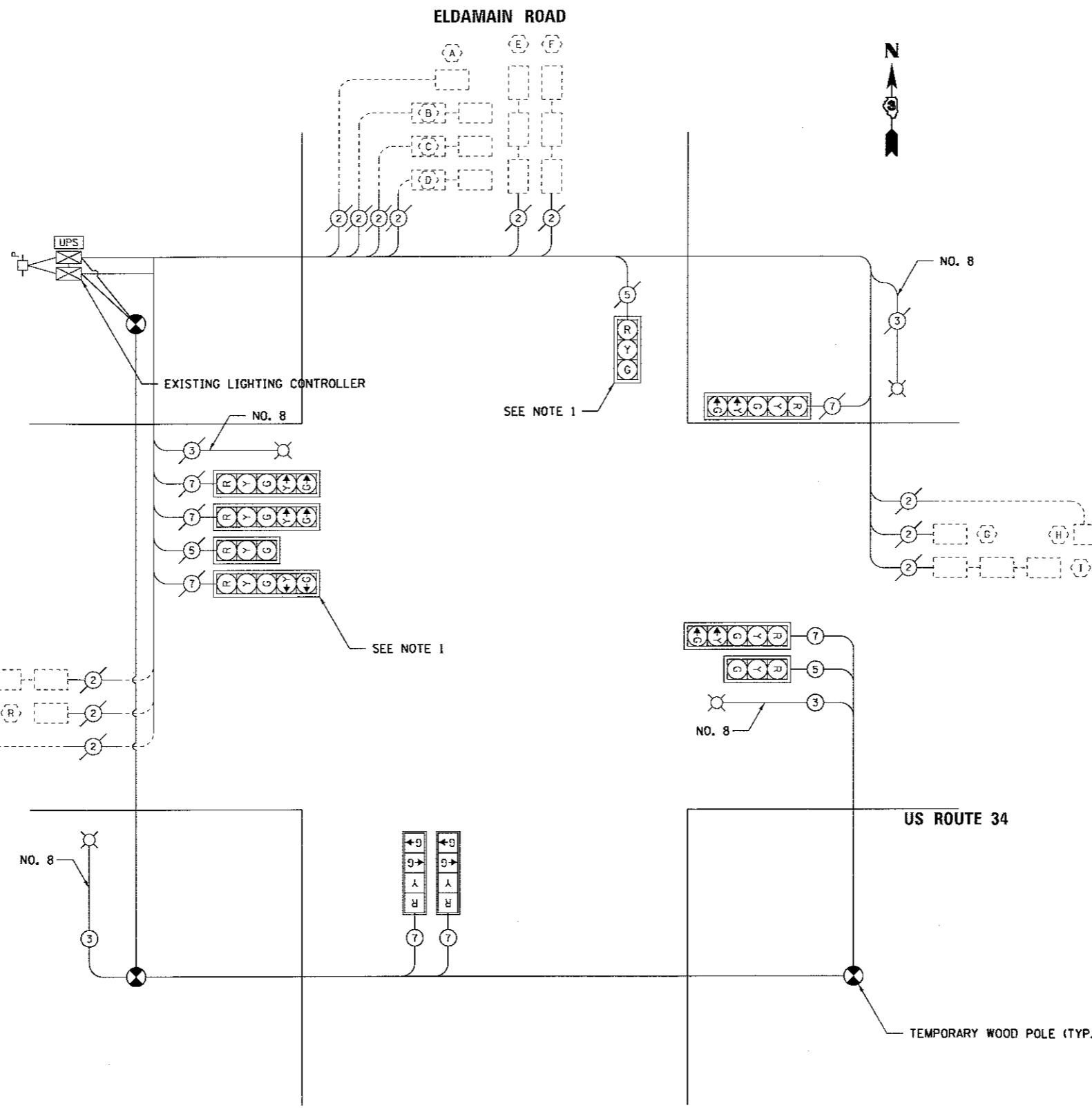
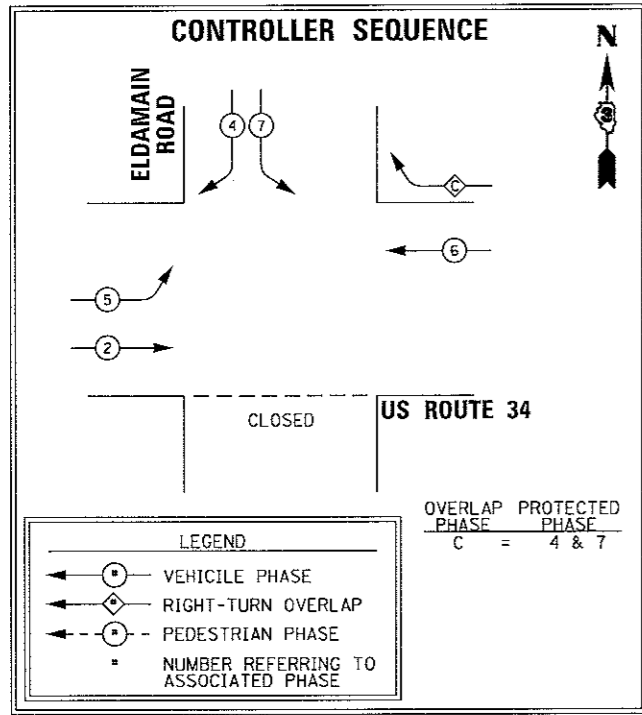
| | | |
|--------------------------|----------------|-----------|
| USER NAME = dennisw | DESIGNED - MAG | REVISED - |
| PLOT SCALE = 20,0000 "/> | | |

KENDALL COUNTY HIGHWAY DEPARTMENT

**TEMPORARY TRAFFIC SIGNAL PLANS
 INSTALLATION PLAN - STAGE 1A
 US ROUTE 34 & ELDAMAIN ROAD**

SCALE: 1" = 20' SHEET NO. 2 OF 2 SHEETS STA. TO STA.

| | | | | |
|---|-------------------------------|-------------------|---------------------|-----------------|
| F.A.U. RTE. 4000 | SECTION NO. 16-00136-00-RP | COUNTY KENDALL | TOTAL SHEETS 237 | SHEET NO. 95 |
| CONTRACT NO. 87666 | | | | |
| FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT | | | | |



CABLE DIAGRAM LEGEND

| EXISTING | PROPOSED | DESCRIPTION |
|----------|----------|---|
| [Symbol] | [Symbol] | CONTROLLER CABINET |
| [Symbol] | [Symbol] | SERVICE INSTALLATION |
| [Symbol] | [Symbol] | VEHICLE DETECTION, INDUCTION LOOP |
| [Symbol] | [Symbol] | LIGHT DETECTOR |
| [Symbol] | [Symbol] | CONFIRMATION BEACON |
| [Symbol] | [Symbol] | GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN) |
| [Symbol] | [Symbol] | DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED. |
| [Symbol] | [Symbol] | FIBER OPTIC CABLE IN CONDUIT NO. XX |
| [Symbol] | [Symbol] | LIGHTING UNIT |
| [Symbol] | [Symbol] | X" TRAFFIC SIGNAL SECTION |
| [Symbol] | [Symbol] | SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD. |
| [Symbol] | [Symbol] | GROUND CABLE ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C) |
| [Symbol] | [Symbol] | GROUND CABLE ROD AT POST (P) OR MAST ARM (M) |
| [Symbol] | [Symbol] | GROUND CABLE ROD AT ELECTRIC SERVICE INSTALLATION |
| [Symbol] | [Symbol] | PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER |
| [Symbol] | [Symbol] | PEDESTRIAN PUSH-BUTTON |
| [Symbol] | [Symbol] | VIDEO DETECTION CAMERA |

U.S. ROUTE 34 AT ELDAMAIN ROAD TEMPORARY ELECTRICAL LOAD CHART

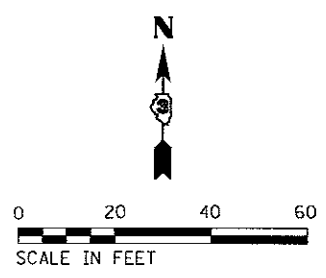
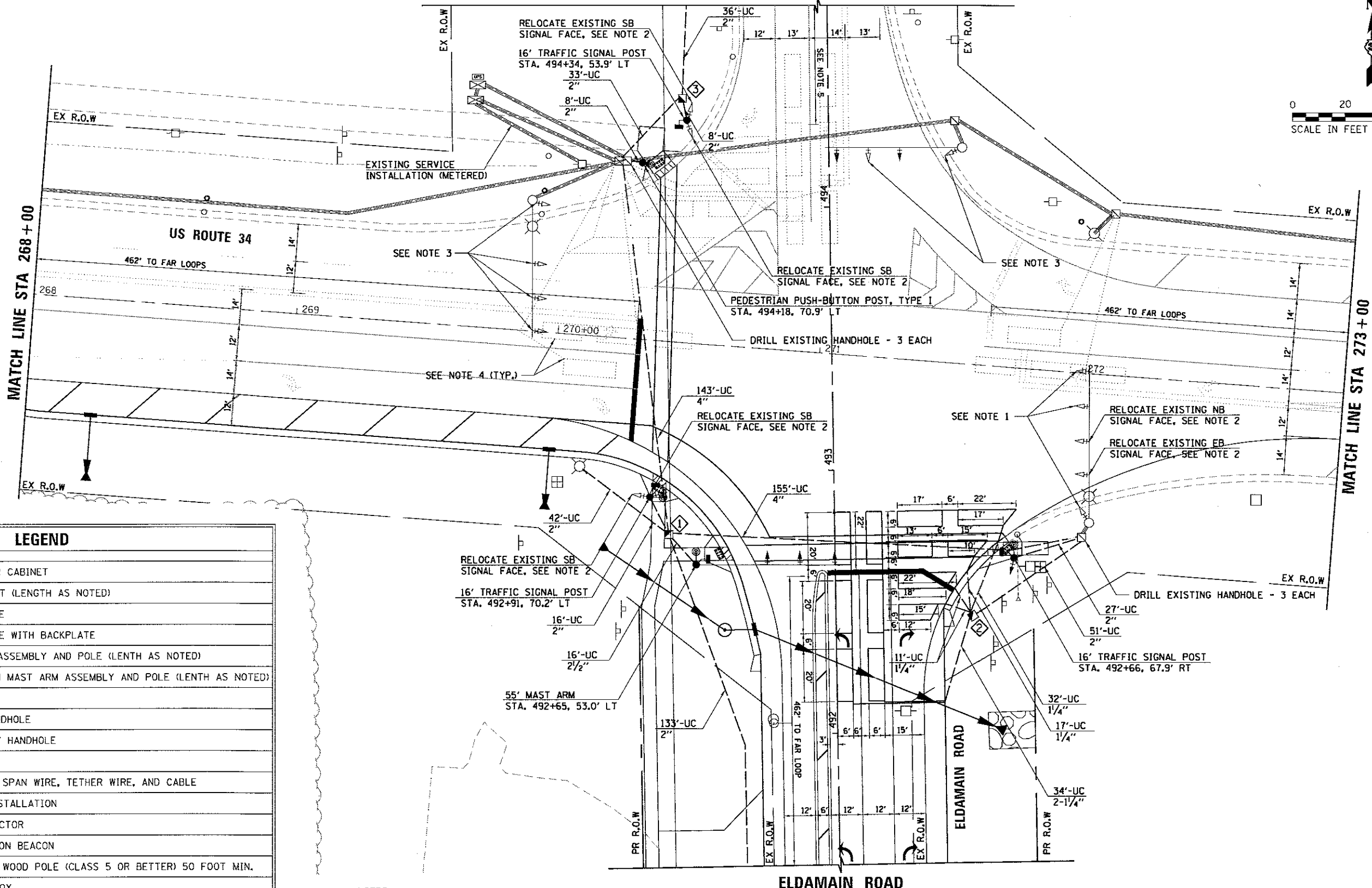
| TYPE | NO. LAMPS | WATTAGE | | % OPERATION | TOTAL WATTAGE |
|--------------|-----------|---------|-----|-------------|---------------|
| | | INCAND. | LED | | |
| SIGNAL (RED) | 10 | | 17 | 0.50 | 85.0 |
| (YELLOW) | 10 | | 25 | 0.25 | 62.5 |
| (GREEN) | 8 | | 15 | 0.25 | 30.0 |
| ARROW | 14 | | 12 | 0.10 | 16.8 |
| PED. SIGNAL | | | 25 | | |
| CONTROLLER | 2 | | 100 | 1.00 | 200.0 |
| LUMINAIRE | 4 | 250 | | 0.33 | 330.0 |
| UPS | 1 | | 25 | 1.00 | 25.0 |
| TOTAL = | | | | | 749.3 |

CONTRACTOR RESPONSIBLE FOR ENERGY CHARGES

NOTE: EXISTING SERVICE IS METERED AND WILL REMAIN METERED.

- NOTES:**
- SIGNAL FACE SHALL BE BAGGED DURING STAGE 1A.
 - TEMPORARY SIGNAL EQUIPMENT SHALL BE ACTIVE WHEN ELDAMAIN ROAD IS CLOSED AND SHALL REMAIN ACTIVE UNTIL PROPOSED MAST ARM AND SIGNALS ARE OPERATIONAL.
 - EXISTING LOOP DETECTORS SHALL BE USED FOR TEMPORARY SIGNAL DETECTION ON THE NORTH, EAST, AND WEST APPROACHES.
 - DURING CONSTRUCTION SIGNALS AND LIGHT ON EXISTING MAST ARM AND LIGHT ON EXISTING LIGHT POLE ARE TO BE FED FROM DROP CABLE FROM TEMPORARY SPAN WIRE.
 - EXISTING LIGHT POLE AND FIXTURE TO BE RELOCATED TO 3 FEET BEHIND THE FACE OF CURB. EXISTING LIGHT POLE TO REMAIN ACTIVE UNTIL SUCH TIME THAT THE POLE AND FIXTURE CAN BE RELOCATED AND POWERED FROM THE DROP CABLE FROM TEMPORARY SPAN WIRE OR PERMANENT CONDUIT.
 - TEMPORARY POLES AND POWER NEED TO BE ESTABLISHED BEFORE EXISTING HANDHOLE IS REMOVED.

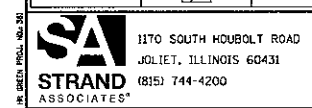
ELDAMAIN ROAD



| EXISTING | | PROPOSED | | LEGEND | |
|----------|--|----------|--|--------|--|
| | | | | | CONTROLLER CABINET |
| | | | | | SIGNAL POST (LENGTH AS NOTED) |
| | | | | | SIGNAL FACE WITH BACKPLATE |
| | | | | | MAST ARM ASSEMBLY AND POLE (LENGTH AS NOTED) |
| | | | | | COMBINATION MAST ARM ASSEMBLY AND POLE (LENGTH AS NOTED) |
| | | | | | HANDHOLE |
| | | | | | DOUBLE HANDHOLE |
| | | | | | HEAVY DUTY HANDHOLE |
| | | | | | CONDUIT |
| | | | | | TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE |
| | | | | | SERVICE INSTALLATION |
| | | | | | LIGHT DETECTOR |
| | | | | | CONFIRMATION BEACON |
| | | | | | TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 50 FOOT MIN. |
| | | | | | JUNCTION BOX |
| | | | | | PEDESTRIAN SIGNAL HEAD |
| | | | | | PEDESTRIAN PUSH-BUTTON |
| | | | | | VIDEO DETECTION CAMERA |
| | | | | | VIDEO DETECTION ZONE |
| | | | | | LOOP DETECTOR |
| | | | | | WORK AREA |

- NOTES:
- EXISTING SIGNAL FACE TO REMAIN IN PLACE AND BE REWIRED FOR PERMANENT SIGNAL INSTALLATION.
 - EXISTING SIGNAL FACE TO BE RELOCATED AND REWIRED FOR PERMANENT SIGNAL INSTALLATION.
 - EXISTING SIGNAL FACE AND WIRING TO REMAIN IN PLACE FOR PERMANENT SIGNAL INSTALLATION.
 - EXISTING LOOP DETECTOR TO BE REUSED FOR PERMANENT SIGNAL DETECTION ON NORTH, EAST, AND WEST APPROACHES.
 - 462' TO FAR LOOP MEASURED FROM IDOT'S PROPOSED STOP BAR LOCATION.

| # | EQUIPMENT ITEM | LOCATION |
|---|----------------|-----------------------|
| 1 | HANDHOLE | STA. 492+77, 63.9' LT |
| 2 | HANDHOLE | STA. 492+44, 52.0' RT |
| 3 | HANDHOLE | STA. 494+42, 55.5' LT |



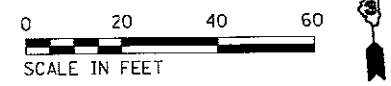
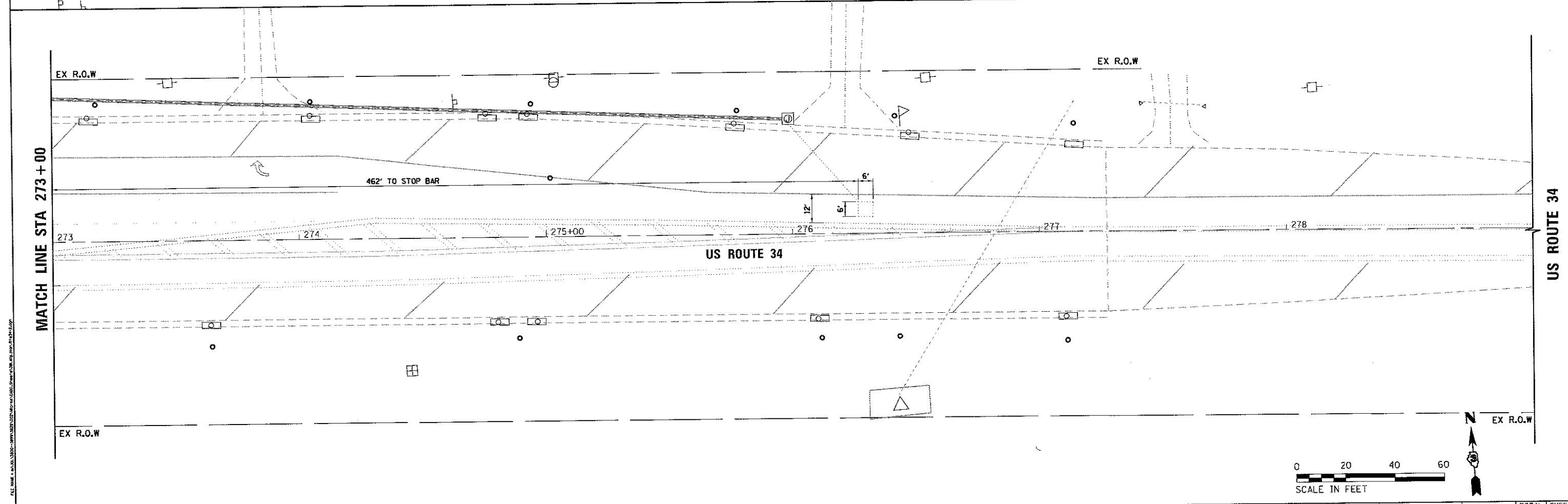
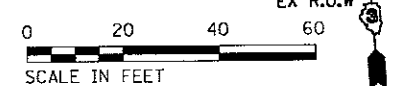
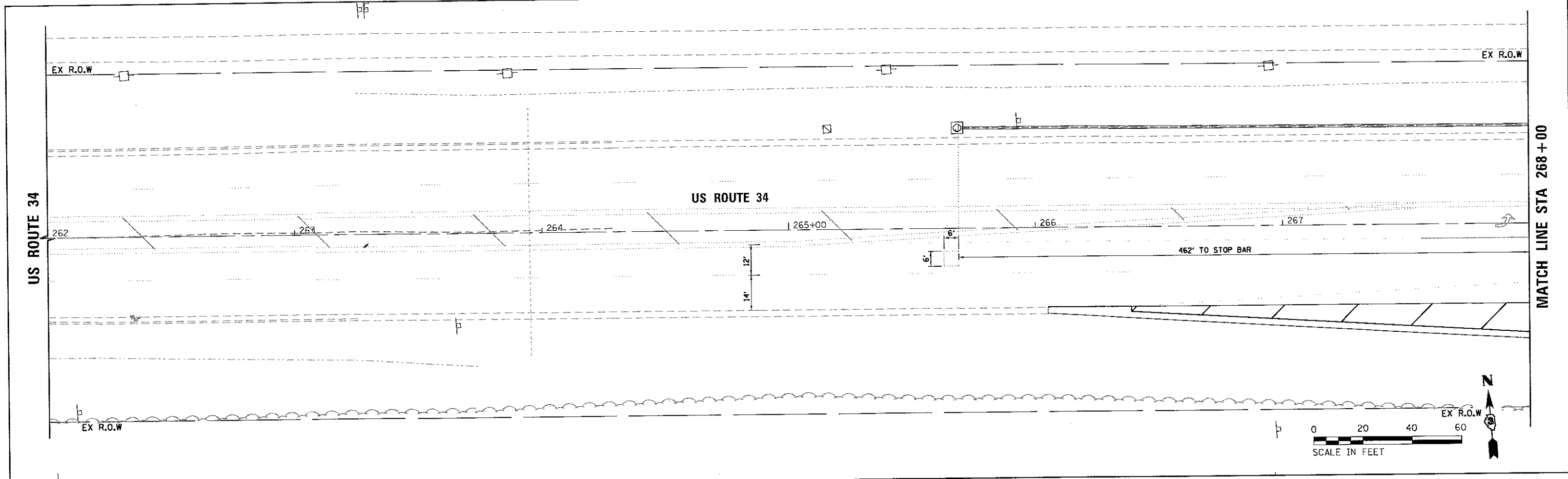
| | | |
|-----------------------------|----------------|-----------|
| USER NAME = dennisw | DESIGNED - MAG | REVISED - |
| PLLOT SCALE = 20,000' / in. | DRAWN - DJW | REVISED - |
| PLLOT DATE = 5/15/2017 | CHECKED - BMA | REVISED - |
| | DATE - 5/15/17 | REVISED - |

KENDALL COUNTY HIGHWAY DEPARTMENT

TRAFFIC SIGNAL PLANS (US ROUTE 34)
INSTALLATION PLAN

SCALE: 1" = 20' SHEET NO. 1 OF 3 SHEETS STA. TO STA.

| | | | | |
|---|----------------------------|----------------|------------------|--------------|
| F.A.U. RTE. 4000 | SECTION NO. 16-00136-00-RP | COUNTY KENDALL | TOTAL SHEETS 237 | SHEET NO. 97 |
| 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
 PLOT SCALE = 20.0000' / 1" = 1/2000
 PLOT DATE = 5/15/2017

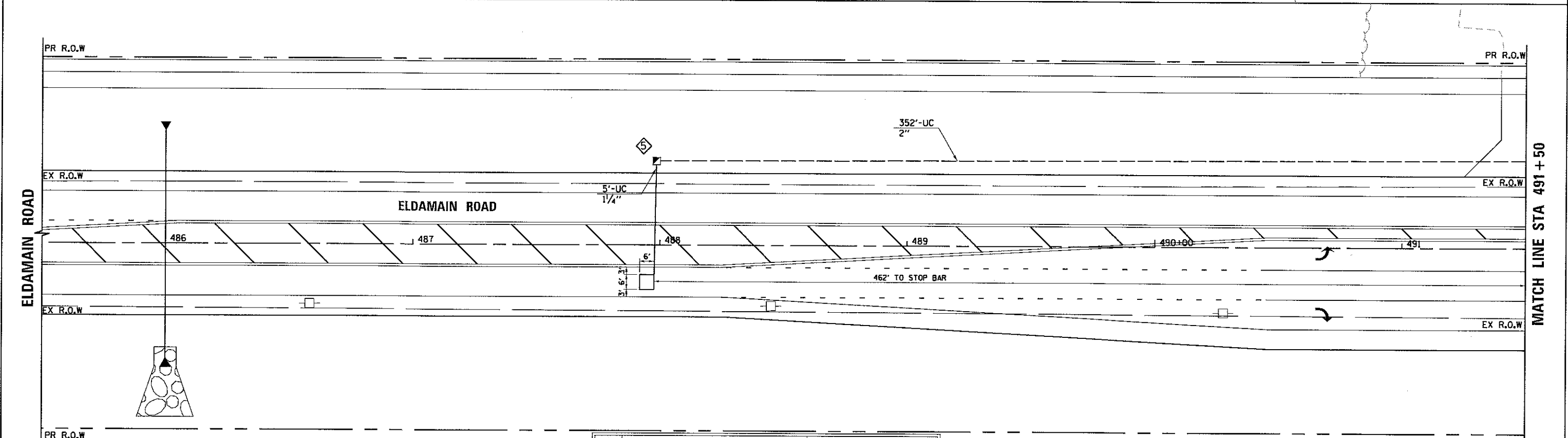
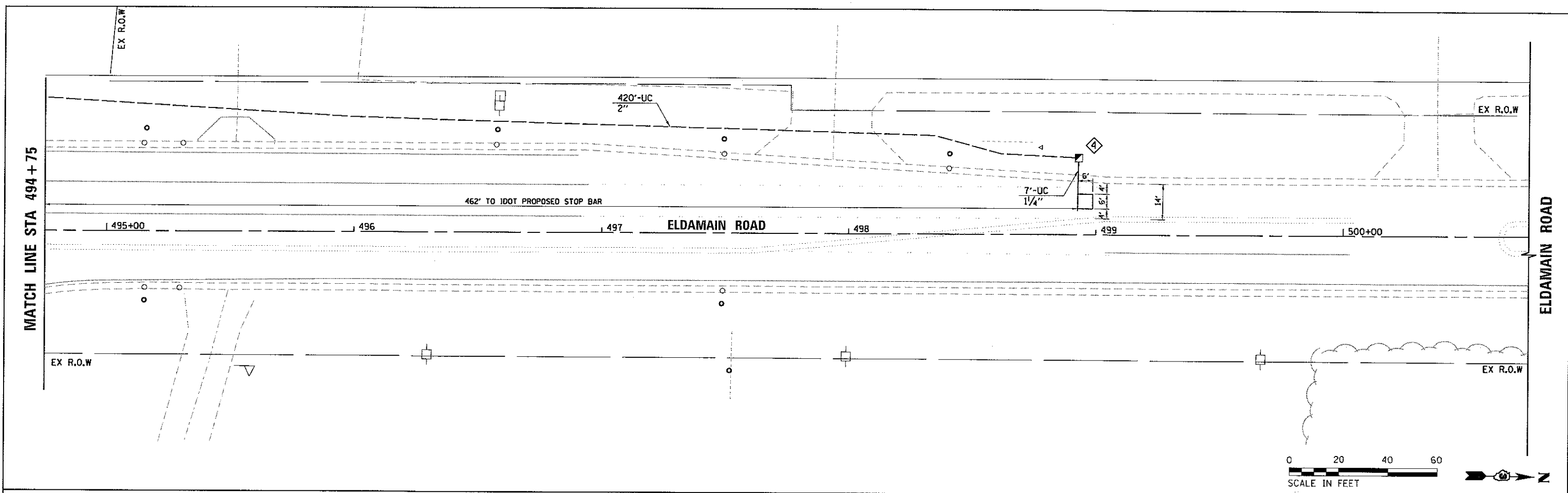
DESIGNED - MAG
 DRAWN - DJW
 CHECKED - BMA
 DATE - 5/15/17

REVISED -
 REVISED -
 REVISED -
 REVISED -

KENDALL COUNTY HIGHWAY DEPARTMENT

TRAFFIC SIGNAL PLANS (US ROUTE 34)
INSTALLATION PLAN
 SCALE: 1" = 20' SHEET NO. 2 OF 3 SHEETS STA. TO STA.

| | | | | |
|---|----------------|---------|--------------|-----------|
| F.A.U. RTE. | SECTION NO. | COUNTY | TOTAL SHEETS | SHEET NO. |
| 4000 | 16-00136-00-RP | KENDALL | 237 | 98 |
| CONTRACT NO. 87666 | | | | |
| FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT | | | | |



| ◆ | EQUIPMENT ITEM | LOCATION |
|---|----------------|-----------------------|
| 4 | HANDHOLE | STA. 498+93, 30.9' LT |
| 5 | HANDHOLE | STA. 487+99, 33.9' LT |

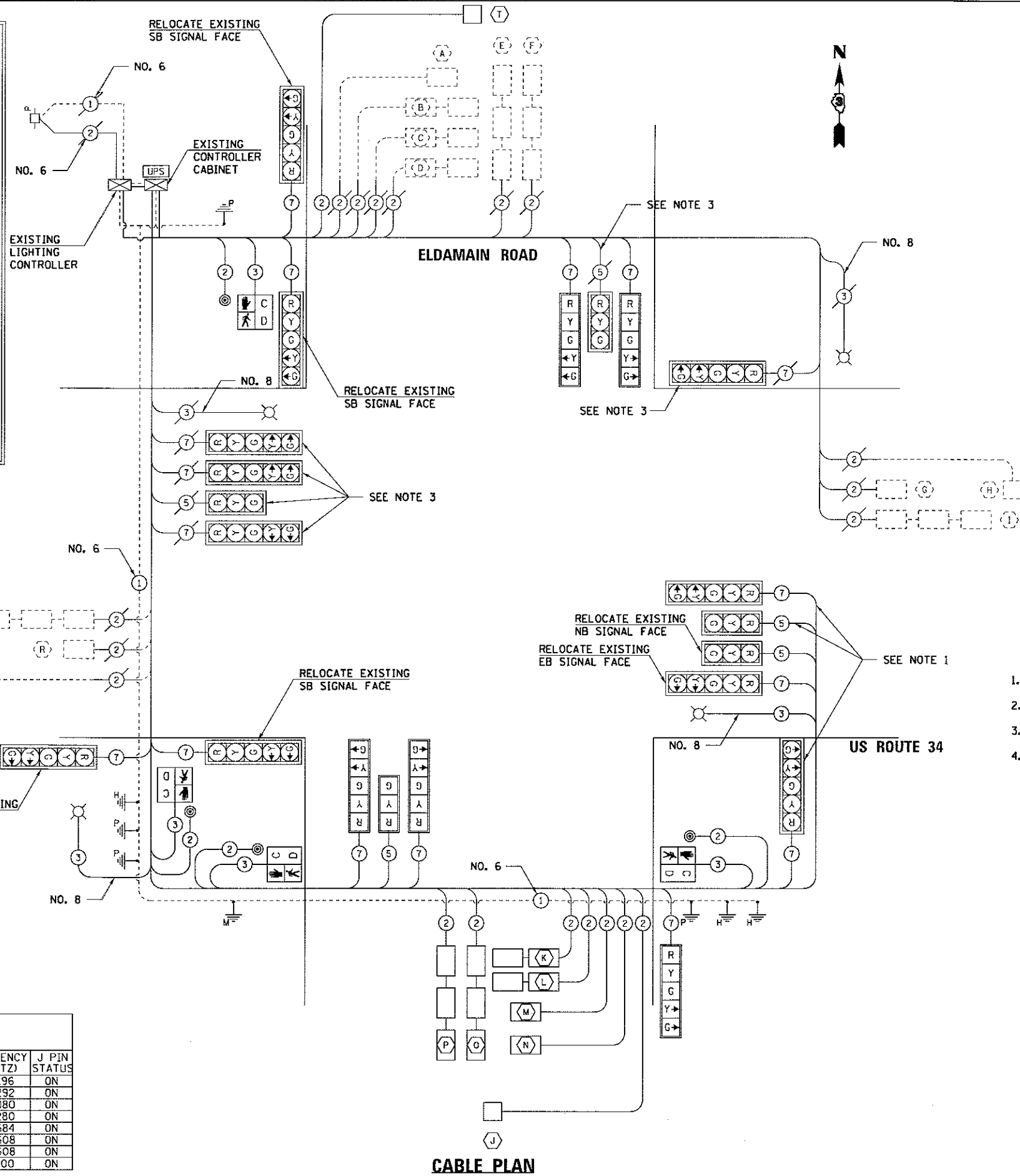
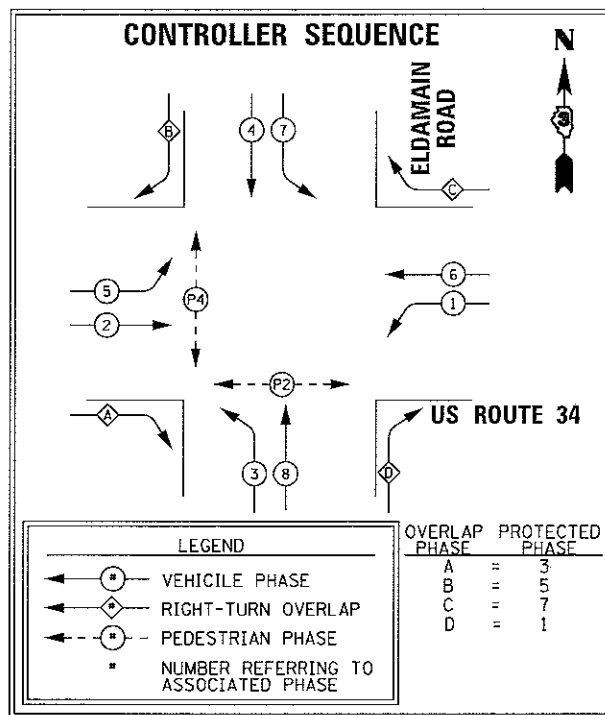
SA
STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200

| | | |
|-----------------------------|----------------|-----------|
| USER NAME = dennisw | DESIGNED - MAG | REVISED - |
| PLOT SCALE = 20,0000' / in. | DRAWN - DJW | REVISED - |
| PLOT DATE = 5/15/2017 | CHECKED - BMA | REVISED - |
| | DATE - 5/15/17 | REVISED - |

KENDALL COUNTY HIGHWAY DEPARTMENT

TRAFFIC SIGNAL PLANS (US ROUTE 34)
INSTALLATION PLAN
 SCALE: 1" = 20' SHEET NO. 3 OF 3 SHEETS STA. TO STA.

| F.A.U. RTE. | SECTION NO. | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|----------------|---------|--------------|-----------|
| 4000 | 16-00136-00-RP | KENDALL | 237 | 99 |
| CONTRACT NO. 87666 | | | | |
| FED. ROAD DIST. NO. 3 ILLINOIS FED. AID PROJECT | | | | |



CABLE DIAGRAM LEGEND

| EXISTING | PROPOSED | DESCRIPTION |
|----------|----------|---|
| [Symbol] | [Symbol] | CONTROLLER CABINET |
| [Symbol] | [Symbol] | SERVICE INSTALLATION |
| [Symbol] | [Symbol] | VEHICLE DETECTION, INDUCTION LOOP |
| [Symbol] | [Symbol] | LIGHT DETECTOR |
| [Symbol] | [Symbol] | CONFIRMATION BEACON |
| [Symbol] | [Symbol] | GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN) |
| [Symbol] | [Symbol] | DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED. |
| [Symbol] | [Symbol] | FIBER OPTIC CABLE IN CONDUIT NO. XX |
| [Symbol] | [Symbol] | LIGHTING UNIT |
| [Symbol] | [Symbol] | X" TRAFFIC SIGNAL SECTION |
| [Symbol] | [Symbol] | SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD. |
| [Symbol] | [Symbol] | GROUND CABLE ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C) |
| [Symbol] | [Symbol] | GROUND CABLE ROD AT POST (P) OR MAST ARM (M) |
| [Symbol] | [Symbol] | GROUND CABLE ROD AT ELECTRIC SERVICE INSTALLATION |
| [Symbol] | [Symbol] | PEDESTRIAN SIGNAL HEAD WITH COUNTDOWN TIMER |
| [Symbol] | [Symbol] | PEDESTRIAN PUSH-BUTTON |
| [Symbol] | [Symbol] | VIDEO DETECTION CAMERA |

- ### NOTES:
- EXISTING SIGNAL FACE TO REMAIN IN PLACE AND BE REWIRED FOR PERMANENT SIGNAL INSTALLATION.
 - EXISTING SIGNAL FACE TO BE RELOCATED AND REWIRED FOR PERMANENT SIGNAL INSTALLATION.
 - EXISTING SIGNAL FACE AND WIRING TO REMAIN IN PLACE FOR PERMANENT SIGNAL INSTALLATION.
 - EXISTING LOOP DETECTORS TO BE REUSED FOR PERMANENT SIGNAL DETECTION ON THE NORTH, EAST, AND WEST APPROACHES.

ELDAMAIN ROAD AT US 34 DETECTOR LOOP INDUCTANCE CHART

| LOOP | PHASE | LABEL | NO. OF TURNS | INDUCTANCE (MICROHENRIES) | FREQUENCY (HERTZ) | J PIN STATUS |
|------|-------|--------------|--------------|---------------------------|-------------------|--------------|
| J | 8 | NB FAR | 6 | 409 | 30,196 | ON |
| K | 8 | NB RL FR | 4 | 582 | 25,292 | ON |
| L | 8 | NB RL MID FR | 4 | 472 | 28,080 | ON |
| M | 8 | NB RL MID BK | 4 | 357 | 32,280 | ON |
| N | 8 | NB RL BK | 4 | 293 | 35,684 | ON |
| O | 8 | NB THRU | 4 | 877 | 20,608 | ON |
| P | 3 | NB LT | 4 | 877 | 20,608 | ON |
| T | 4 | SB FAR | 6 | 378 | 31,400 | ON |

U.S ROUTE 34 AT ELDAMAIN ROAD ELECTRICAL LOAD CHART

| TYPE | NO. LAMPS | WATTAGE | | % OPERATION | TOTAL WATTAGE |
|--------------|-----------|---------|------|-------------|---------------|
| | | INCAND. | LED | | |
| SIGNAL (RED) | 21 | 17 | 0.50 | 178.5 | |
| (YELLOW) | 21 | 25 | 0.25 | 131.3 | |
| (GREEN) | 21 | 15 | 0.25 | 78.8 | |
| ARROW | 32 | 12 | 0.10 | 38.4 | |
| PED. SIGNAL | 4 | 25 | 1.00 | 100.0 | |
| CONTROLLER | 2 | 100 | 1.00 | 200.0 | |
| LUMINAIRE | 4 | 250 | 0.33 | 330.0 | |
| UPS | 1 | 25 | 1.00 | 25.0 | |
| TOTAL = | | | | | 1082.0 |

AGENCY RESPONSIBLE FOR ENERGY CHARGES: CITY OF PLANO

NOTE: EXISTING SERVICE IS METERED AND WILL REMAIN METERED.