

Bench Mark: OSBM 12-50, Square cut at southwest corner of concrete at exit sign for Algonquin Bank on north side of Huntington Dr. east of Randall Rd. Elev. 907.62

Existing Structure: None

INDEX OF SHEETS

1. General Plan and Elevation
2. Sections and Details
3. Stone Retaining Wall
4. Ground Mounted Railing Details
5. Boring Logs

LEGEND

C: Pier Cross Bracing

LOADING H6 (12,000 Lbs.)

Uniform Loading of 90 PSF

DESIGN STRESSES

FIELD UNITS

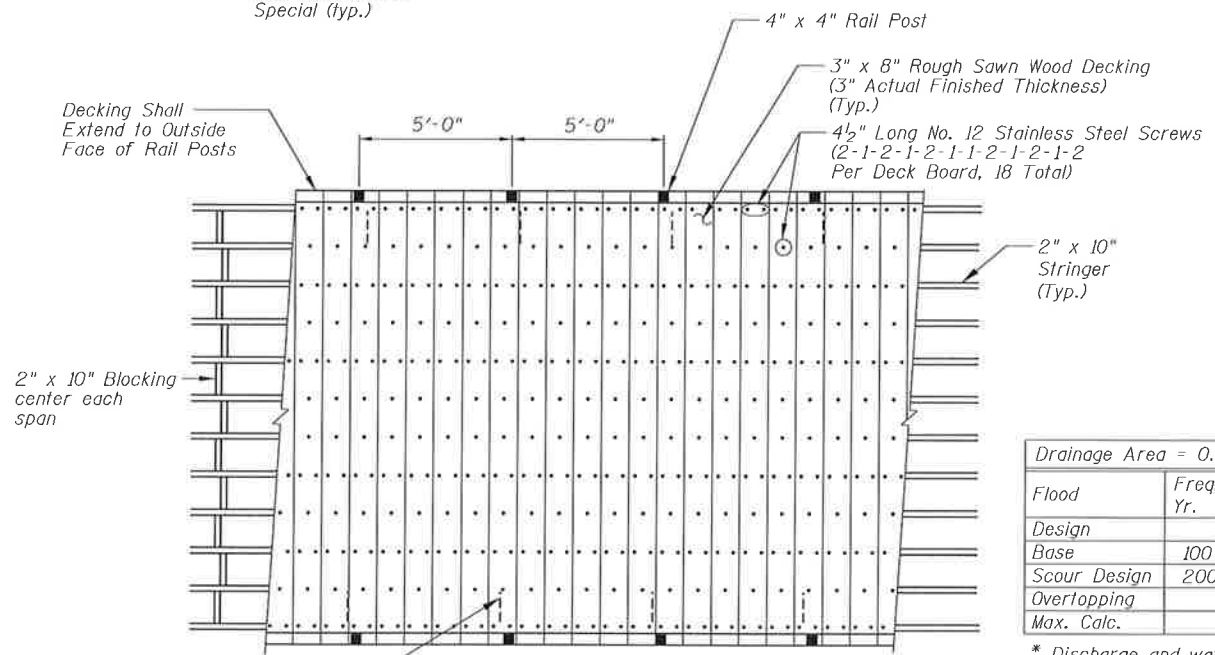
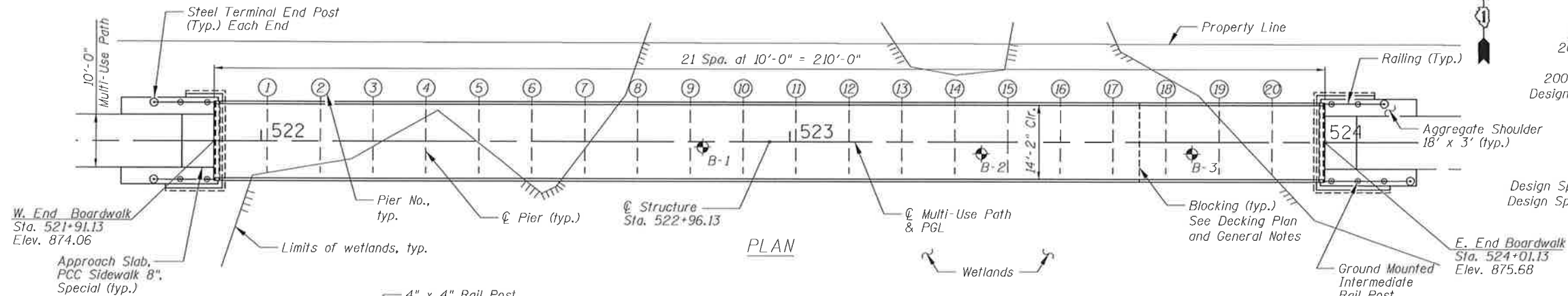
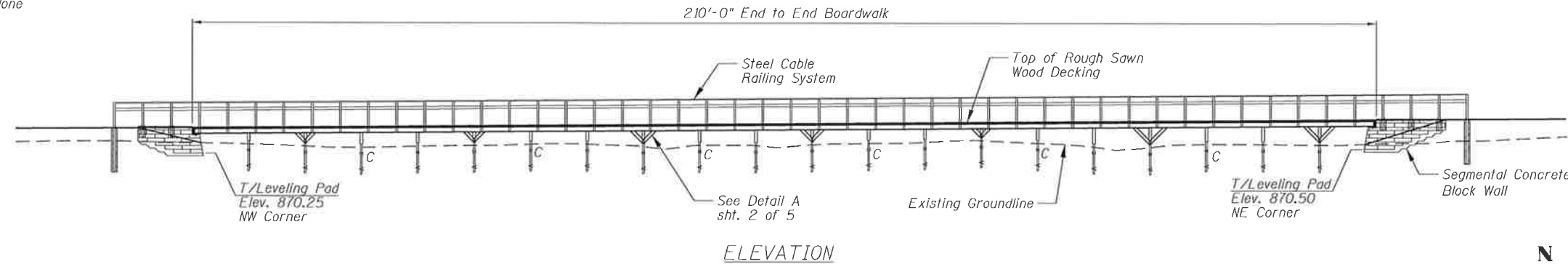
- f'c = 3,500 psi (Concrete)
- fy = 60,000 psi (Reinforcement)
- fb = 1,850 psi (Deck & Stringers)
- fv = 350 psi (Deck & Stringers)

DESIGN SPECIFICATIONS

2002 AASHTO Standard Specifications for Highway Bridges, 17th Edition
2009 AASHTO Guide Specifications for the Design of Pedestrian Bridge with 2015 Interims

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S₀₁) = 0.081g
Design Spectral Acceleration at 0.2 sec. (S₀₅) = 0.142g
Soil Site Class = D



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

DATE SIGNED: 01-15-2017
EXP. DATE: 11-30-2018

WATERWAY INFORMATION

Drainage Area = 0.14 Sq. Miles Low Grade Elev. 875.16 @ Sta. 523+31

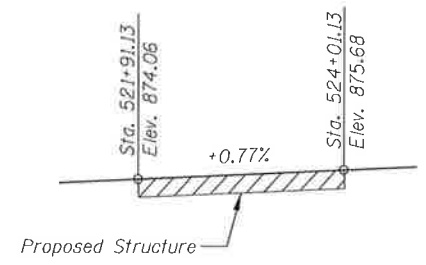
Flood Design	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Base	100	32/8*	N/A	11/4*	871.5	N/A	0.3	N/A	871.8
Scour Design	200	53/10*	N/A	13/5*	871.7	N/A	0.3	N/A	872.0
Max. Calc.									

* Discharge and waterway opening listed: East half of bridge/West half of bridge
Nat. and Prop. HWE based on the discharge from 48" outfall through the East half.

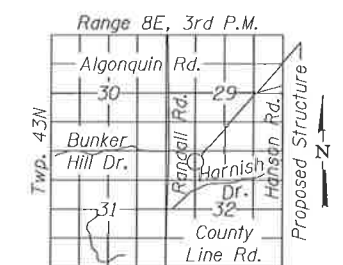
TOTAL BILL OF MATERIAL

Item	Unit	Total
Aggregate Base Course, Type B 9"	Sq. Yd.	17
Aggregate Shoulders, Type B 9"	Sq. Yd.	24
Segmental Concrete Block Wall	Sq. Ft.	314
Portland Cement Concrete Sidewalk 8 Inch, Special	Sq. Ft.	120
** Boardwalk Structure	Sq. Ft.	3,150

** See Special Provision



LOCATION SKETCH



DESIGN SCOUR ELEVATION TABLE

Design Scour Elevations (ft.)

	W. Abut.	Pier 1	Pier 2	Pier 3	Pier 4	Pier 5	Pier 6	Pier 7	Pier 8	Pier 9	Pier 10	Pier 11	Pier 12	Pier 13	Pier 14	Pier 15	Pier 16	Pier 17	Pier 18	Pier 19	Pier 20	E. Abut.	Item 113
Q100	872.01	870.35	870.02	869.65	869.59	869.58	869.57	869.56	869.57	869.27	869.89	869.53	870.45	870.76	870.21	870.06	869.65	868.78	869.82	869.83	869.87	871.60	
Q200	872.01	870.24	869.91	869.54	869.48	869.47	869.46	869.45	869.46	869.15	869.77	869.41	870.33	870.64	870.12	869.97	869.56	868.69	869.31	869.32	869.36	871.53	
Design	870.15	870.35	870.02	869.65	869.59	869.58	869.57	869.56	869.57	869.27	869.89	869.53	870.45	870.76	870.21	870.06	869.65	868.78	869.82	869.83	869.87	870.43	8
Check	870.15	870.24	869.91	869.54	869.48	869.47	869.46	869.45	869.46	869.27	869.77	869.41	870.33	870.64	870.12	869.97	869.56	868.69	869.31	869.32	869.36	870.43	

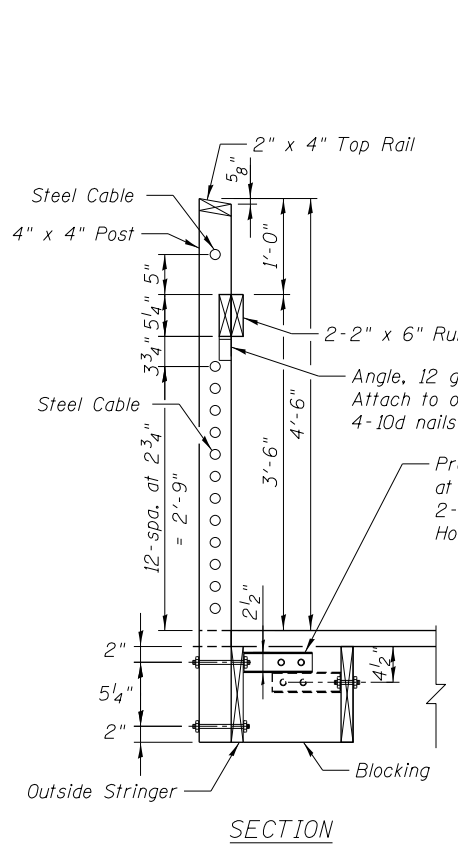
Bollinger, Lach & Associates, Inc.
ITASC, ILLINOIS
630-959-1100
2/22/2018

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

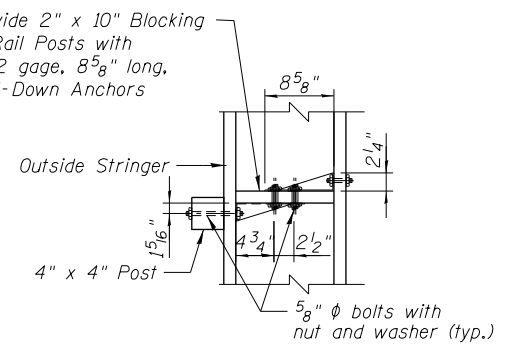
GENERAL PLAN & ELEVATION
BOARDWALK STRUCTURE
SHEET NO. 1 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	701
				CONTRACT NO. 61E53
ILLINOIS FED. AID PROJECT				



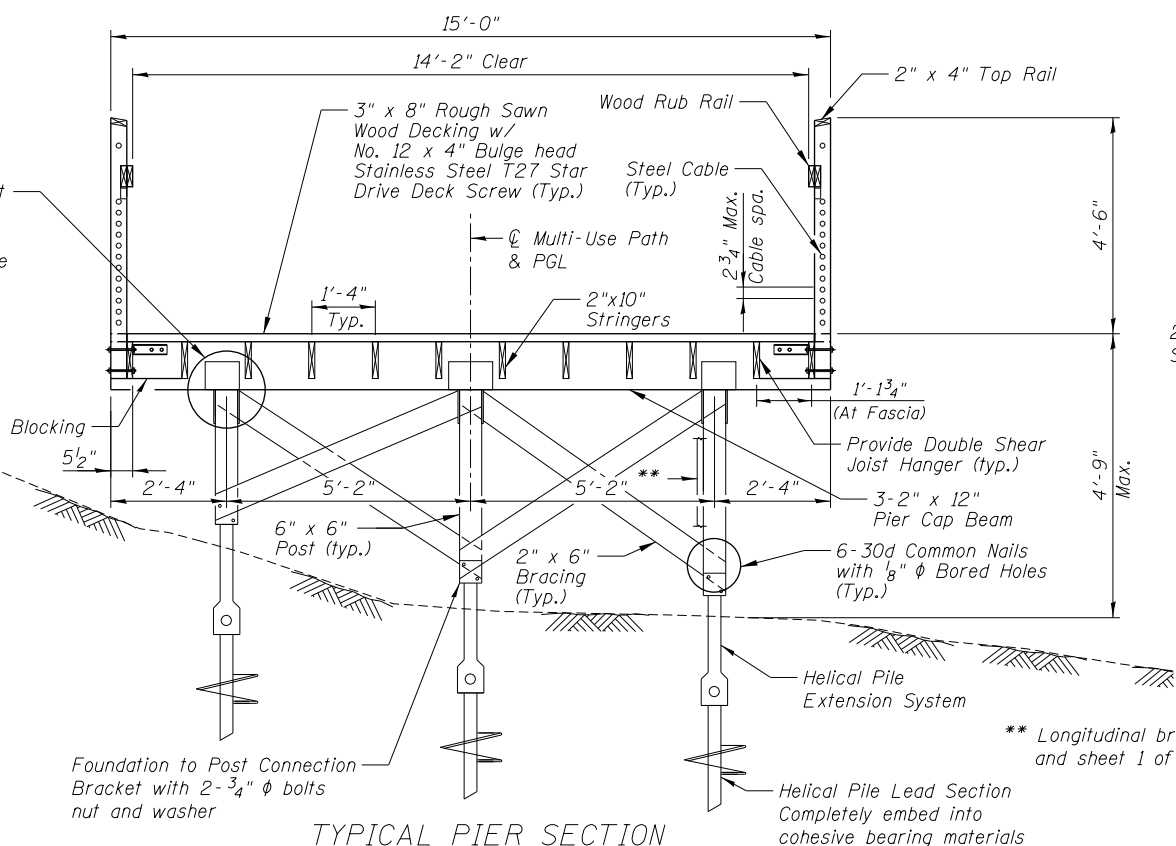
SECTION

RAILING DETAIL
(Posts located away from piers)

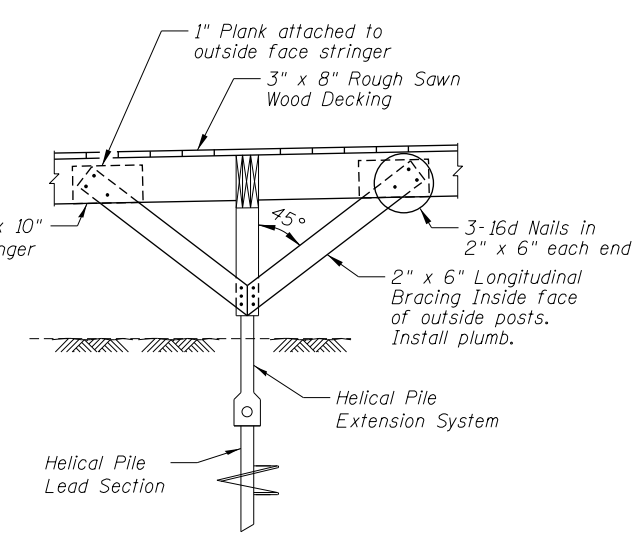


PLAN

Provide 7 gage Column Cap. Use offset column cap at outside columns. Install using 1/4" Dia. x 2 1/2" Heavy-Duty Connector Screws. 7-screws each face post. 8-screws each face pier cap.

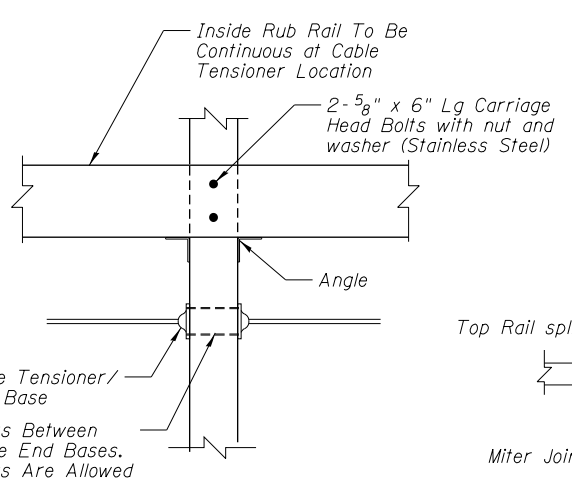


TYPICAL PIER SECTION
(Cross Bracing At Every 3rd Pier, see sht. of 1 of 5 for locations)

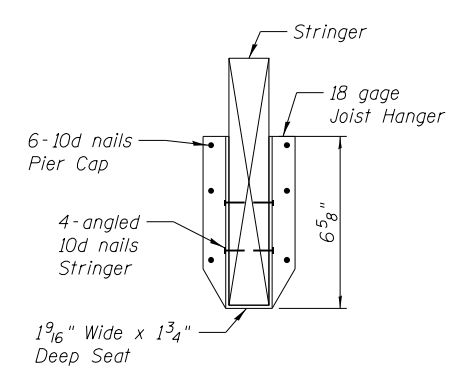


DETAIL A
(Every 3rd Pier)

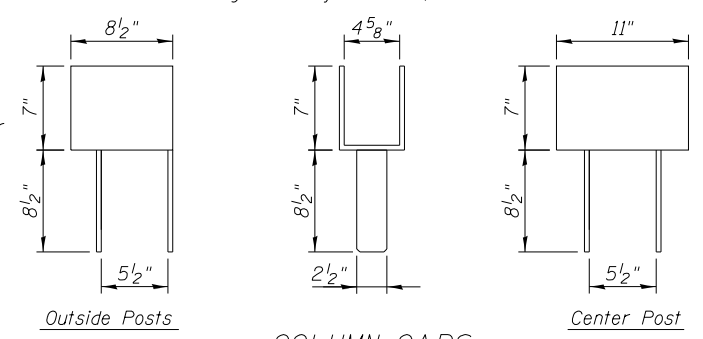
** Longitudinal bracing. See Detail "A" and sheet 1 of 5 for locations.



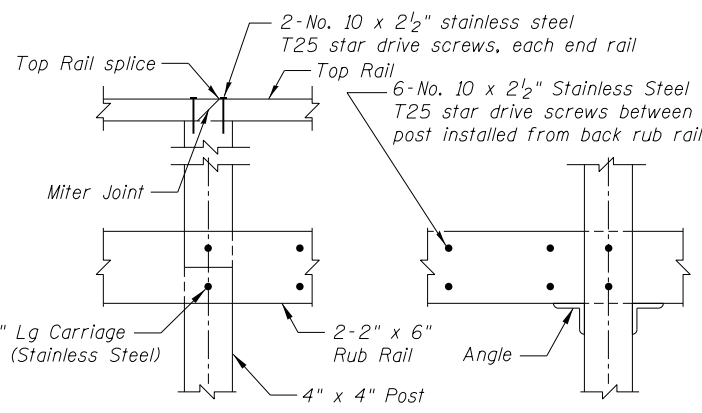
RAIL TENSIONER DETAIL



STRINGER CONNECTION



COLUMN CAPS

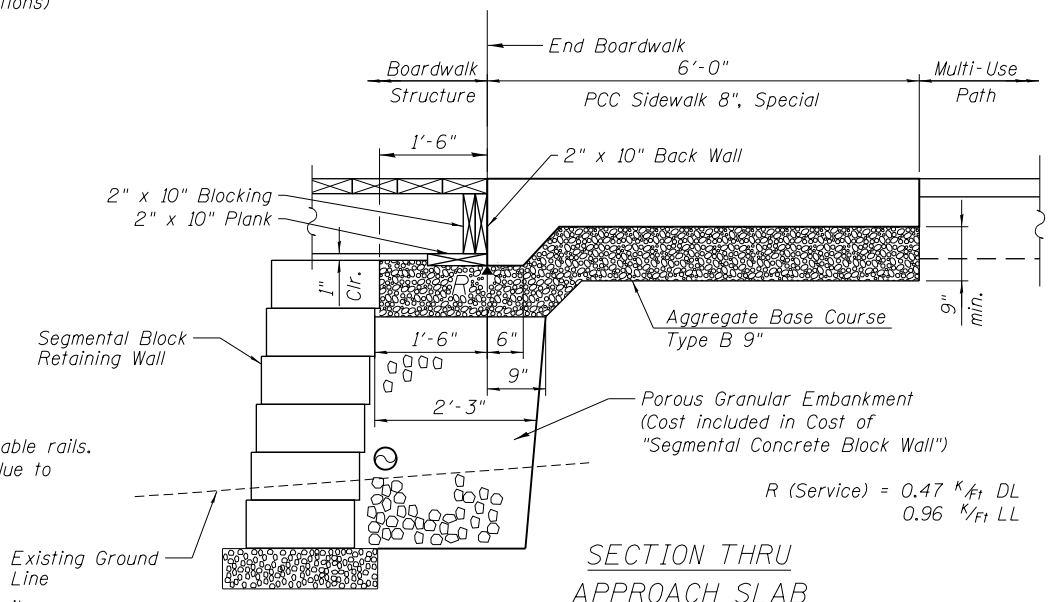


INSIDE FACE OUTSIDE FACE

RAIL CONNECTION DETAILS

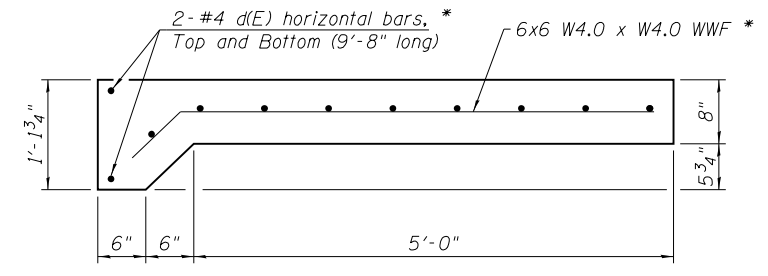
GENERAL NOTES

The rub rail and cap rail shall be installed before tensioning the cable rails. The top and bottom of pier post shall be covered with an epoxy glue to prevent water absorption.
 Helical Piles shall be designed for the following loads:
 Vertical Load = 4,500 lbs (Service), 7,500 lbs (Factored)
 Lateral Load = 900 lbs (Service), 1,250 lbs (Factored)
 Uplift = 600 lbs (Service), 1,000 lbs (Factored)
 Helical Piles shall be galvanized. 3 Piles shall be load tested; One pile near each abutment and one pile near the center of the boardwalk
 Provide 2x10 blocking for joists at the center of each span.
 Segmental wall and abutment areas shall be stripped of topsoil and proof-rolled using a loaded dump truck or other approved piece of heavy construction equipment. Unsuitable soil shall be recompacted or removed and replaced. Cost included in cost of Segmental Concrete Block Wall.
 Final placement of segmental wall blocks to be approved by Engineer in field. Color of segmental wall blocks shall be as directed by the Engineer. Segmental wall blocks shall have no exposed saw cuts. Block retaining wall shall have 6h:1v batter on exposed face. No construction machinery is allowed within wetland area. Toe nailing is not permitted.
 DECKING:
 Decking shall be butted tightly board to board to allow for board shrinkage after deck construction.
 Decking to be attached with 305 stainless steel or better screws recessed 1/8" below deck surface.
 No splices shall be allowed for bridge decking.



SECTION THRU APPROACH SLAB

* Epoxy coated. Cost of Reinforcement Included in PCC Sidewalk 8", Special



APPROACH SLAB DETAIL

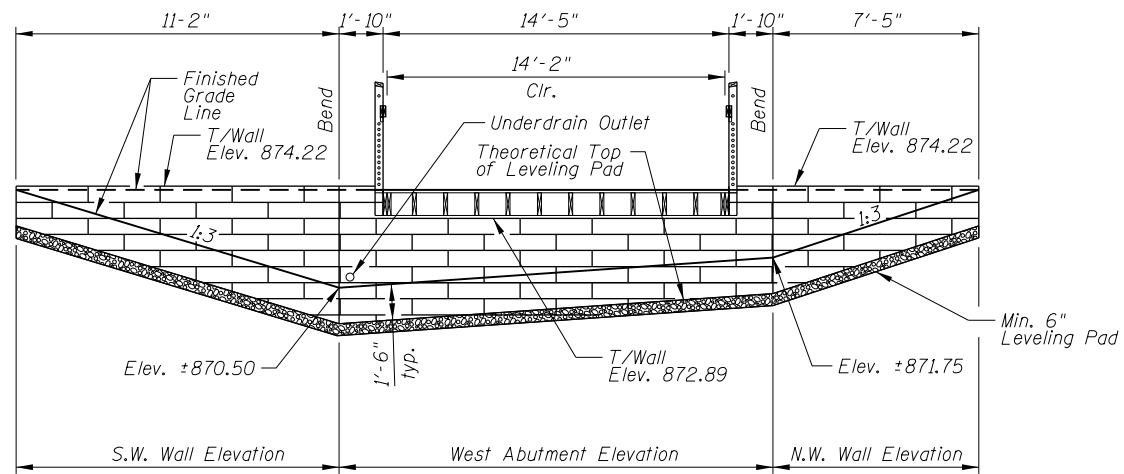
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

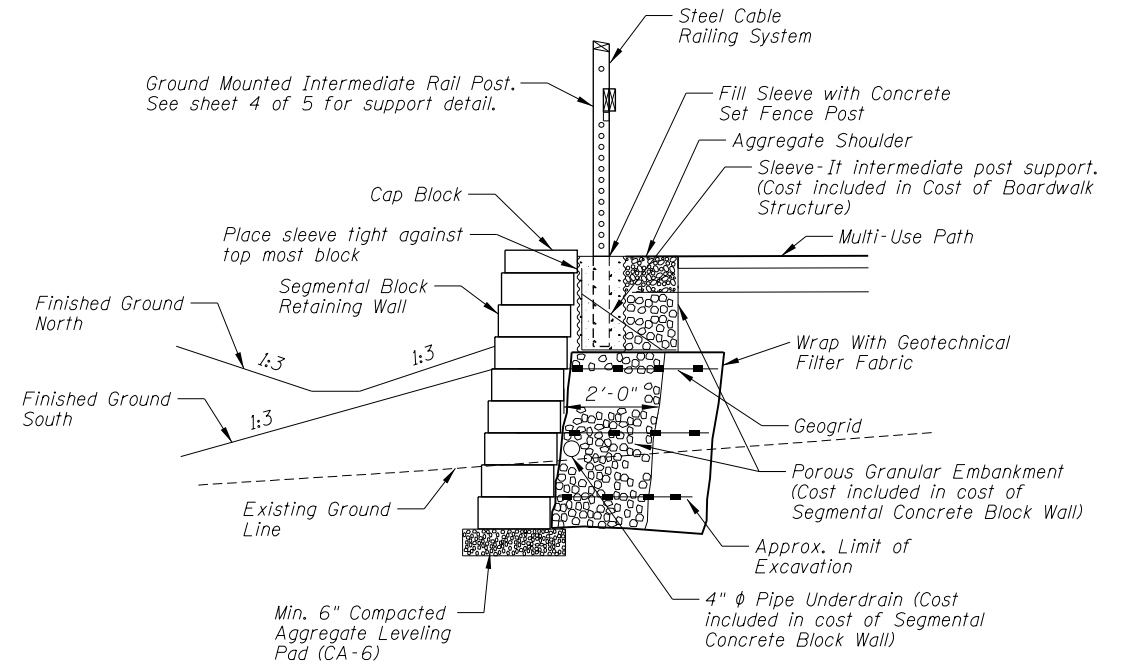
SECTIONS AND DETAILS
BOARDWALK STRUCTURE
SHEET NO. 2 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	702
			CONTRACT NO. 61E53	
ILLINOIS FED. AID PROJECT				



DEVELOPED ELEVATION OF SEGMENTAL BLOCK RETAINING WALL
PROPOSED BOARDWALK - WEST ABUTMENT

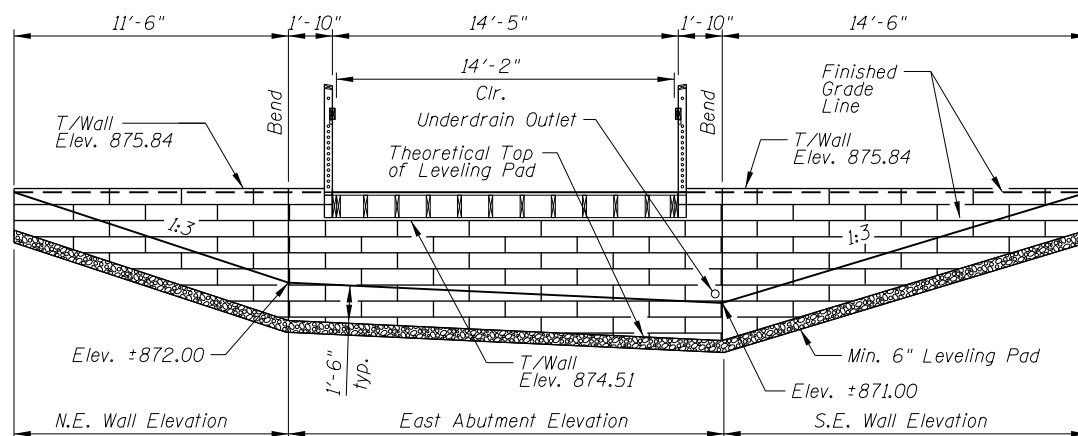
(Railings Omitted For Clarity)



TYPICAL SECTION AT SEGMENTAL BLOCK RETAINING WALL

(See sheet 2 of 5 for design loading)

Notes:
Include block dimensions, style and color in shop drawing submittal for approval by the Engineer.
Excavation is included in the cost of Segmental Concrete Block Wall

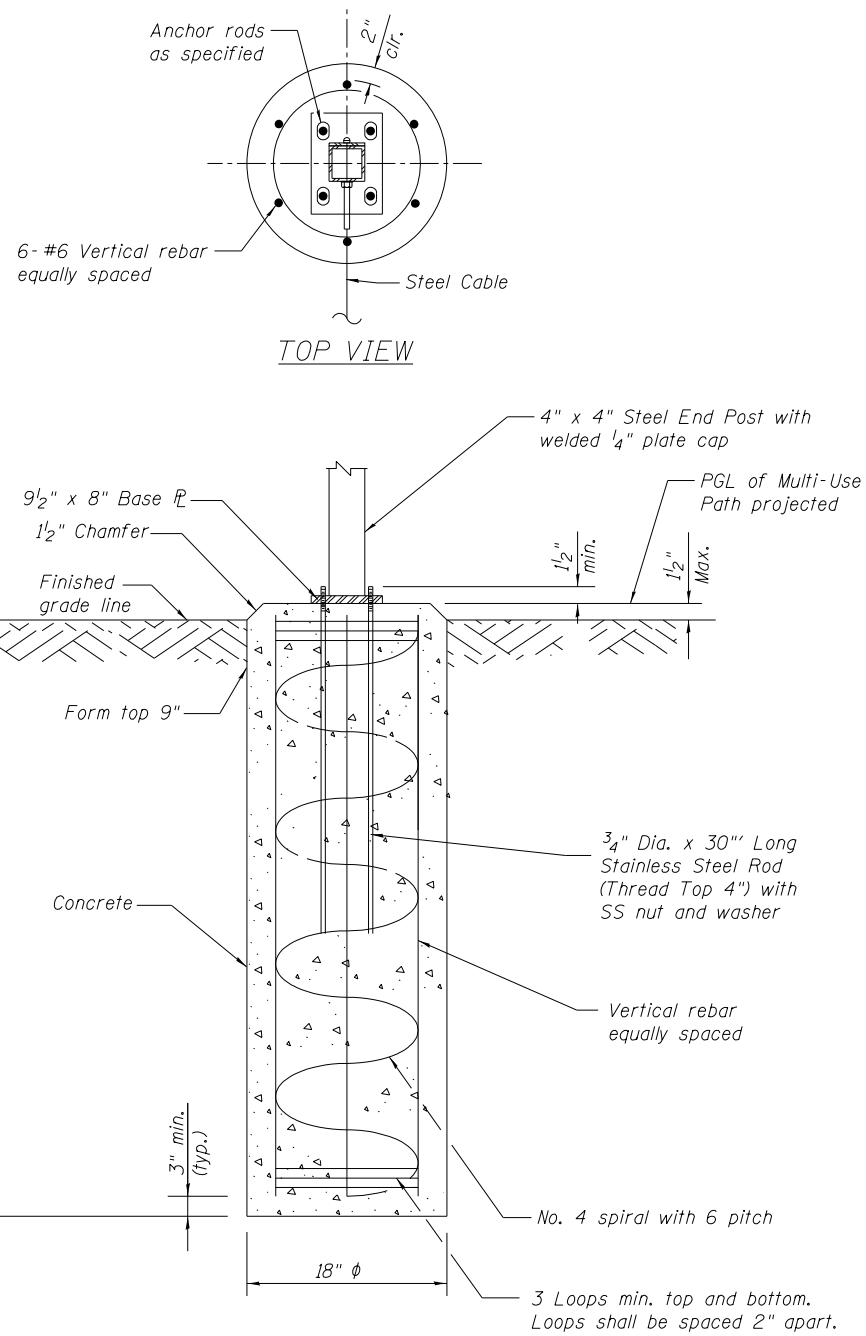


DEVELOPED ELEVATION OF SEGMENTAL BLOCK RETAINING WALL
PROPOSED BOARDWALK - EAST ABUTMENT

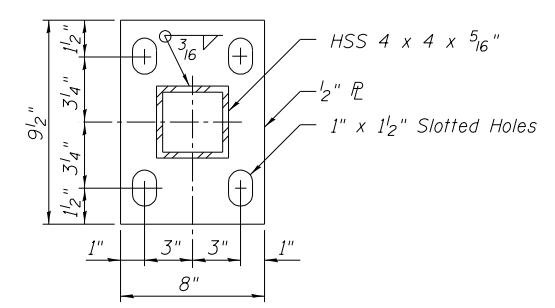
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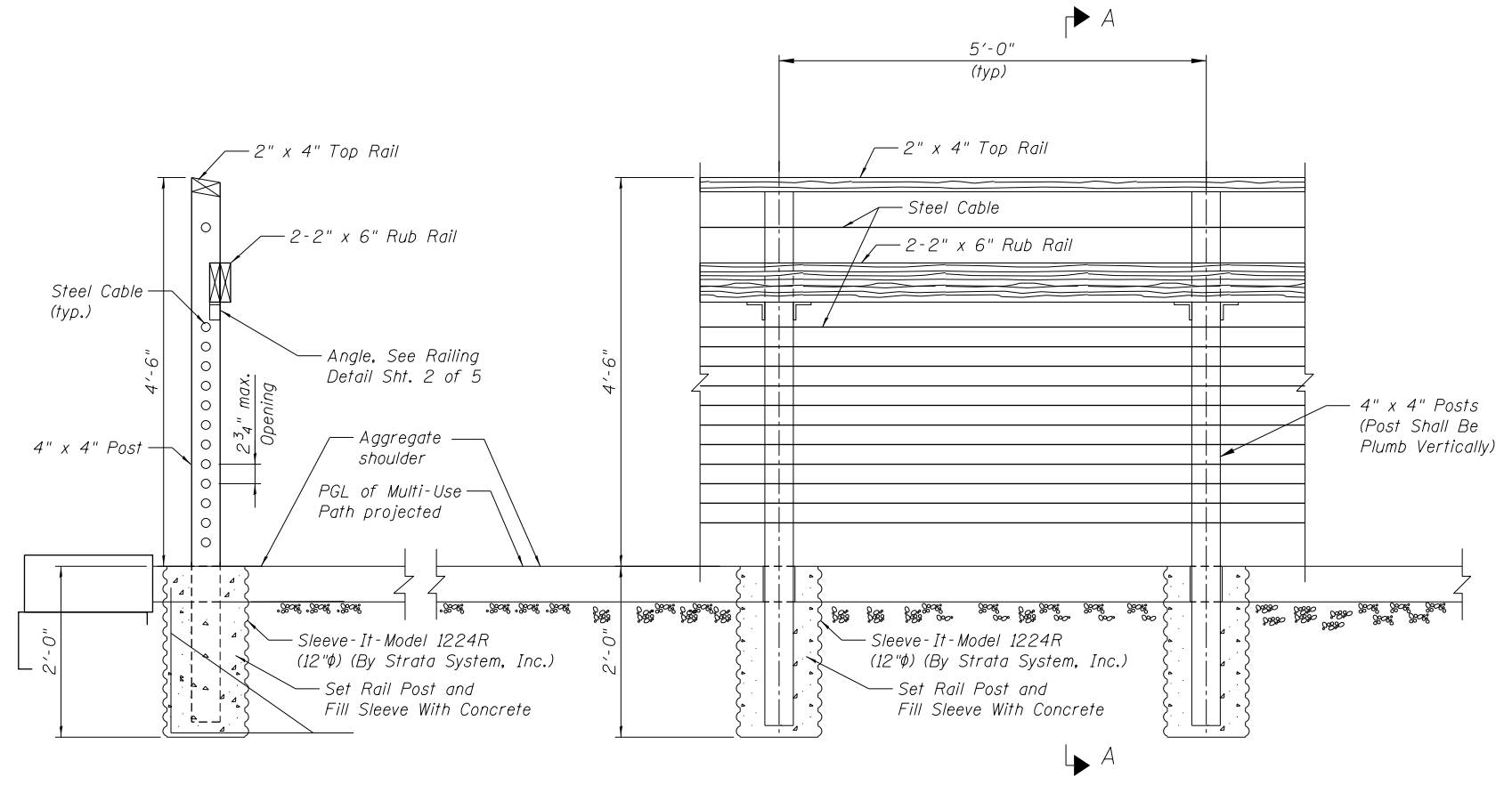
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	703
			CONTRACT NO. 61E53	



TERMINAL POST CONCRETE FOUNDATION

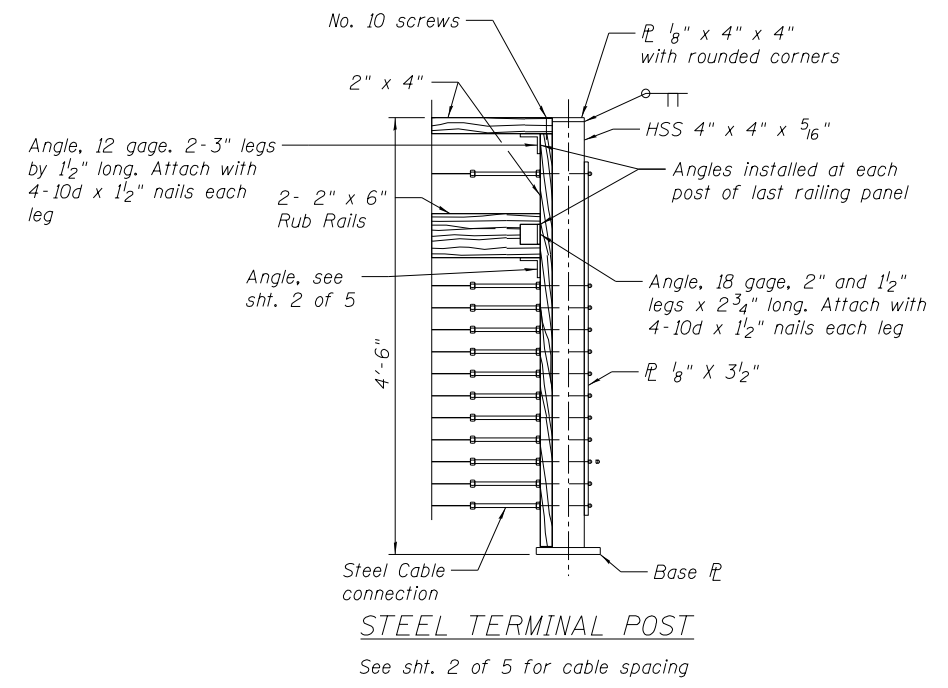


BASE PL FOR END TERMINAL POST



SECTION A-A
See sht. 2 of 5 for cable spacing

GROUND MOUNTED INTERMEDIATE RAIL POST ELEVATION



STEEL TERMINAL POST

See sht. 2 of 5 for cable spacing

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PLOT DATE = 4/25/2018	CHECKED - JJI	REVISED -

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DEPARTMENT OF TRANSPORTATION

GROUND MOUNTED RAILING DETAILS
BOARDWALK STRUCTURE

SHEET NO. 4 OF 5 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	704
			CONTRACT NO. 61E53	
ILLINOIS FED. AID PROJECT				

PROJECT **Proposed Boardwalk, Multi use Path, East of Randall Road, Algonquin, IL**

CLIENT **Christopher B. Burke Engineering, Ltd., Rosemont, IL**

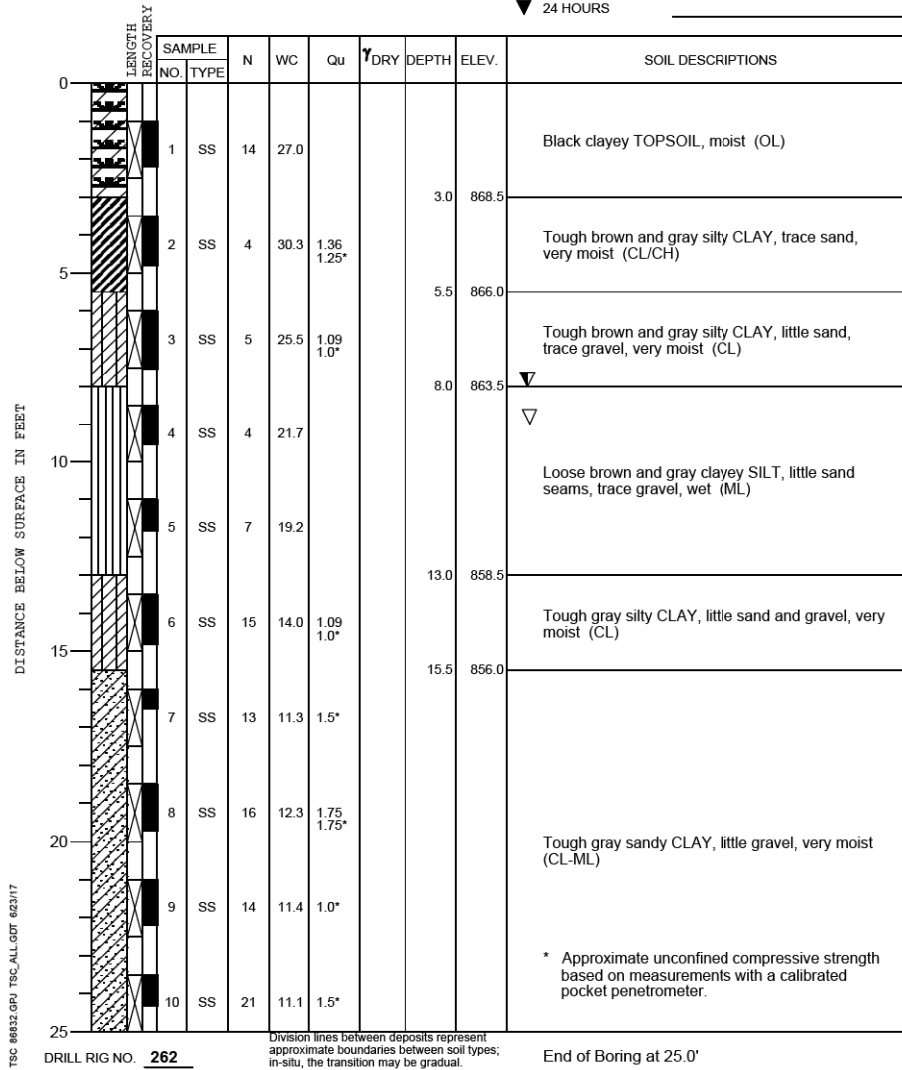
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ELEVATIONS WATER LEVEL OBSERVATIONS

GROUND SURFACE **871.5** WHILE DRILLING **8.0'**

END OF BORING **846.5** AT END OF BORING **9.0'**

24 HOURS



PROJECT **Proposed Boardwalk, Multi use Path, East of Randall Road, Algonquin, IL**

CLIENT **Christopher B. Burke Engineering, Ltd., Rosemont, IL**

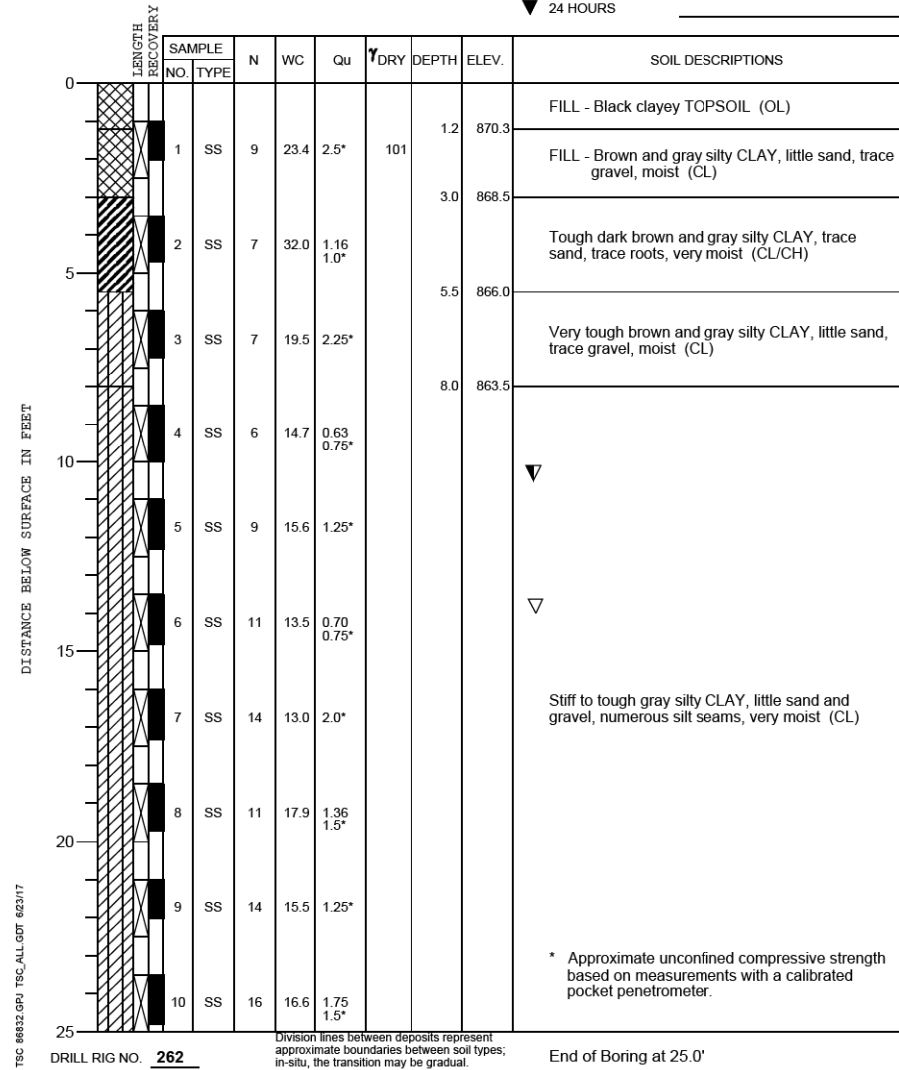
BORING **2** DATE STARTED **6-14-17** DATE COMPLETED **6-14-17** JOB **L-86,832**

ELEVATIONS WATER LEVEL OBSERVATIONS

GROUND SURFACE **871.5** WHILE DRILLING **10.5'**

END OF BORING **846.5** AT END OF BORING **14.0'**

24 HOURS



PROJECT **Proposed Boardwalk, Multi use Path, East of Randall Road, Algonquin, IL**

CLIENT **Christopher B. Burke Engineering, Ltd., Rosemont, IL**

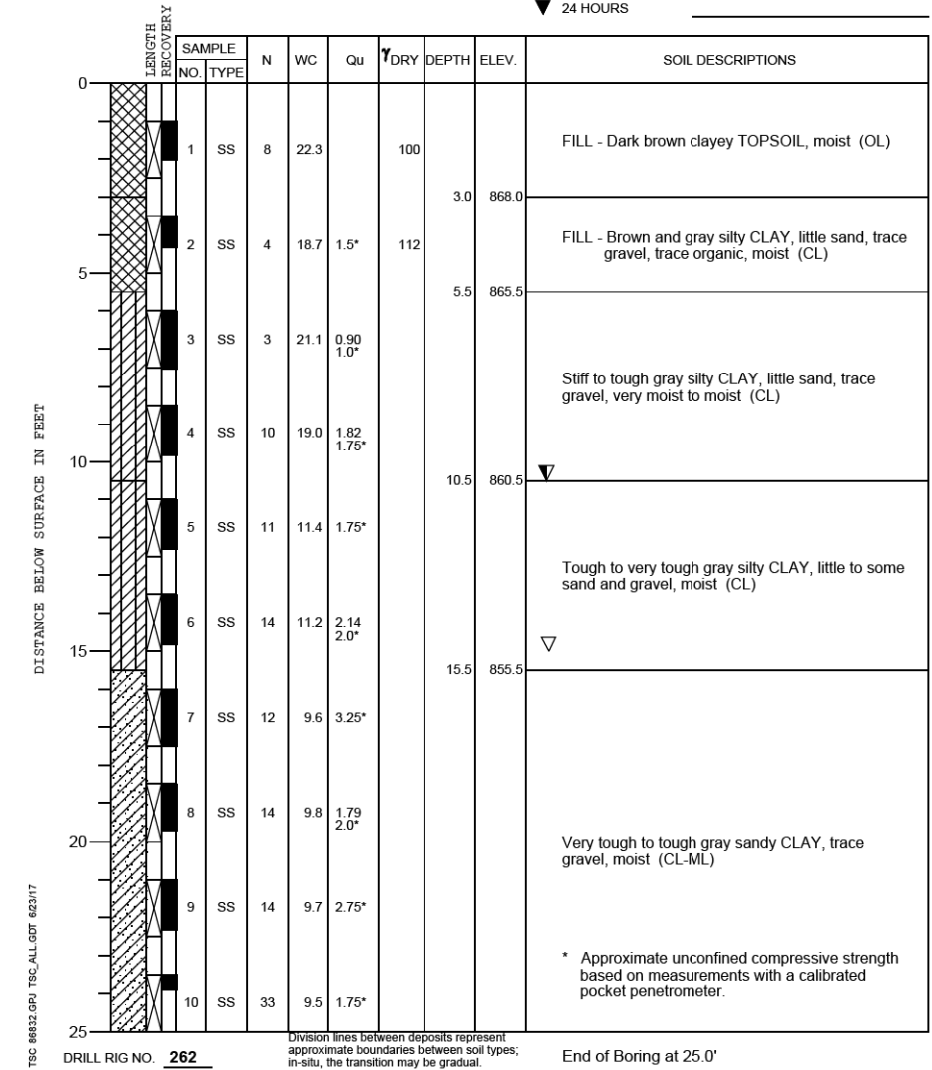
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ELEVATIONS WATER LEVEL OBSERVATIONS

GROUND SURFACE **871.0** WHILE DRILLING **10.5'**

END OF BORING **846.0** AT END OF BORING **15.0'**

24 HOURS



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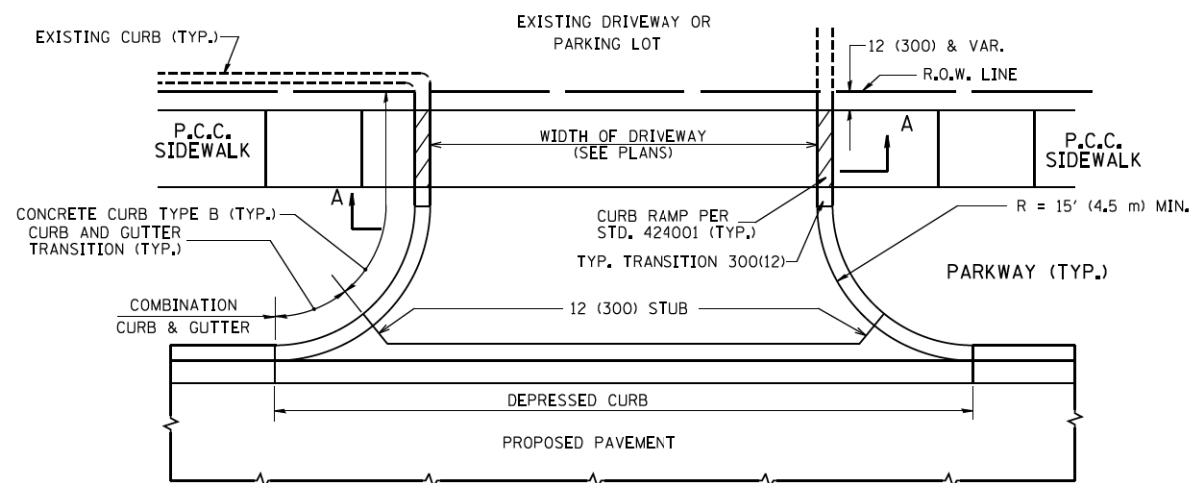
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
BOARDWALK STRUCTURE

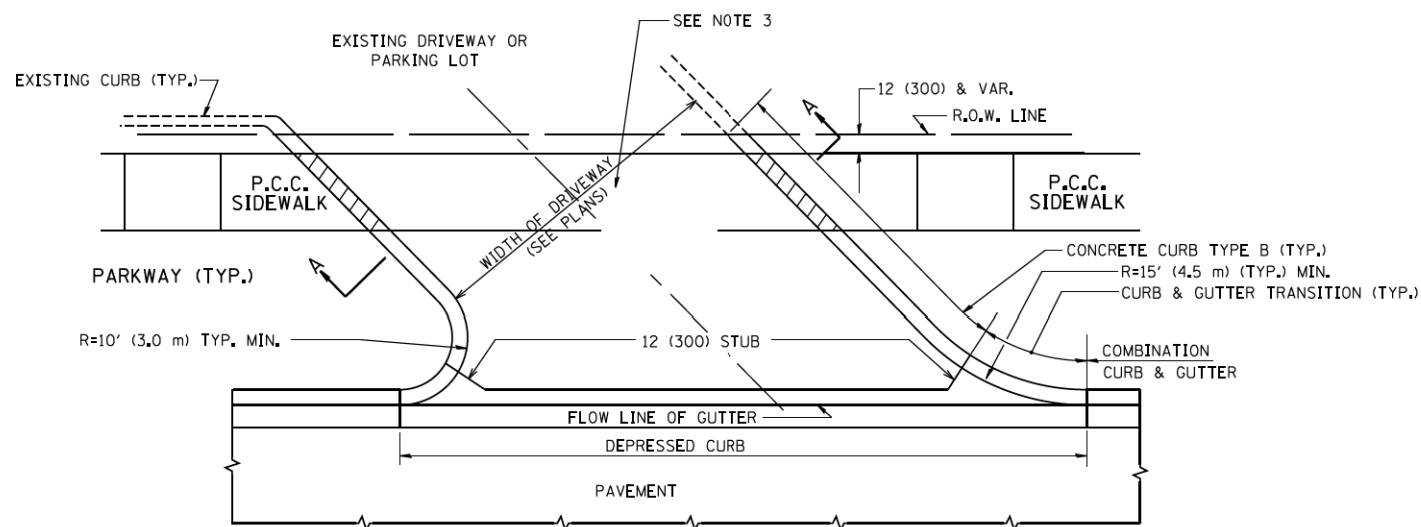
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CONTRACT NO. 61E53				

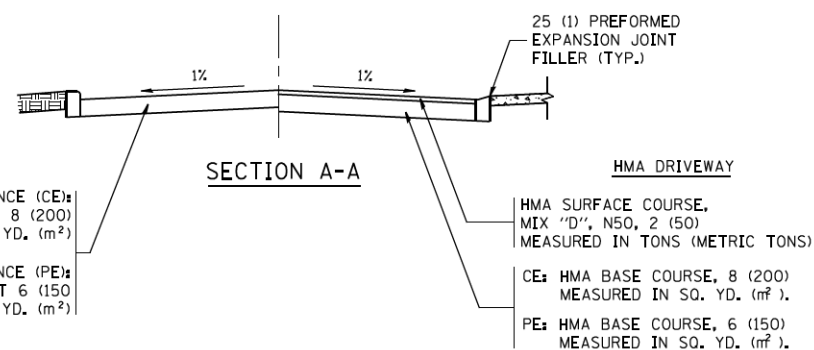
ILLINOIS FED. AID PROJECT



WITH CONCRETE CURB, TYPE B

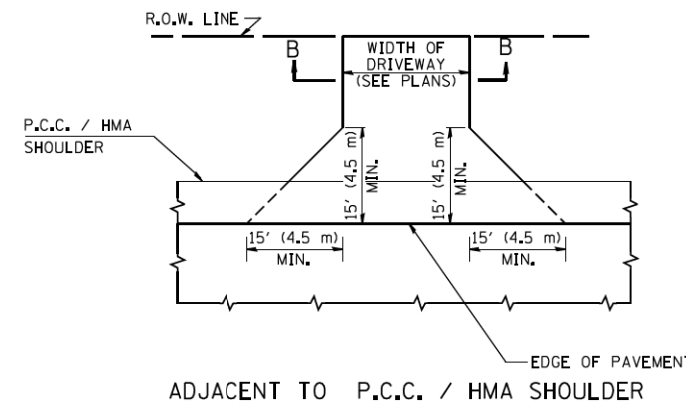


WITH CONCRETE CURB, TYPE B

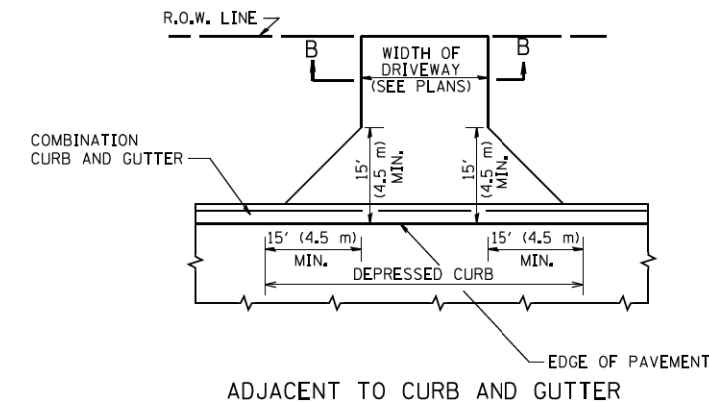


RIGID DRIVEWAY
 COMMERCIAL ENTRANCE (CE):
 P.C.C. DRIVEWAY PAVEMENT 8 (200)
 MEASURED IN SQ. YD. (m²)
 NON-COMMERCIAL ENTRANCE (PE):
 P.C.C. DRIVEWAY PAVEMENT 6 (150)
 MEASURED IN SQ. YD. (m²)

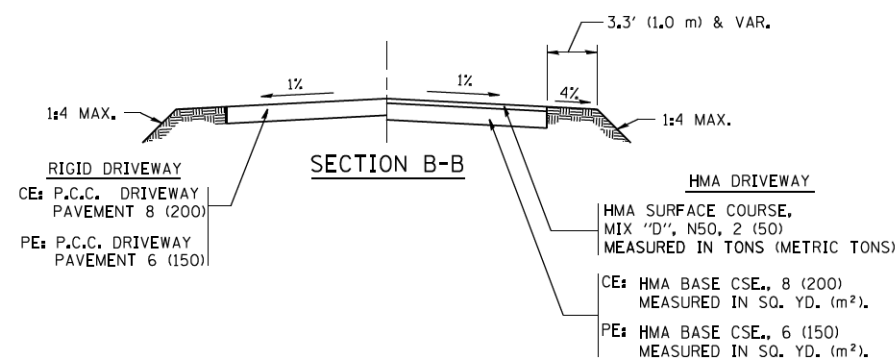
HMA DRIVEWAY
 HMA SURFACE COURSE,
 MIX "D", N50, 2 (50)
 MEASURED IN TONS (METRIC TONS)
 CE: HMA BASE COURSE, 8 (200)
 MEASURED IN SQ. YD. (m²),
 PE: HMA BASE COURSE, 6 (150)
 MEASURED IN SQ. YD. (m²).



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



RIGID DRIVEWAY
 CE: P.C.C. DRIVEWAY PAVEMENT 8 (200)
 PE: P.C.C. DRIVEWAY PAVEMENT 6 (150)

HMA DRIVEWAY
 HMA SURFACE COURSE,
 MIX "D", N50, 2 (50)
 MEASURED IN TONS (METRIC TONS)
 CE: HMA BASE CSE., 8 (200)
 MEASURED IN SQ. YD. (m²),
 PE: HMA BASE CSE., 6 (150)
 MEASURED IN SQ. YD. (m²).

RURAL FIELD ENTRANCE (FE)
 HMA SURFACE COURSE,
 MIX "D", N50, 2 (50)
 MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE CSE., TYPE B, 8 (200)
 MEASURED IN SQ. YD. (m²).

GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

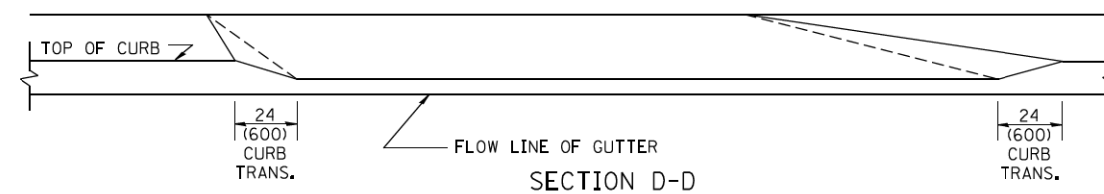
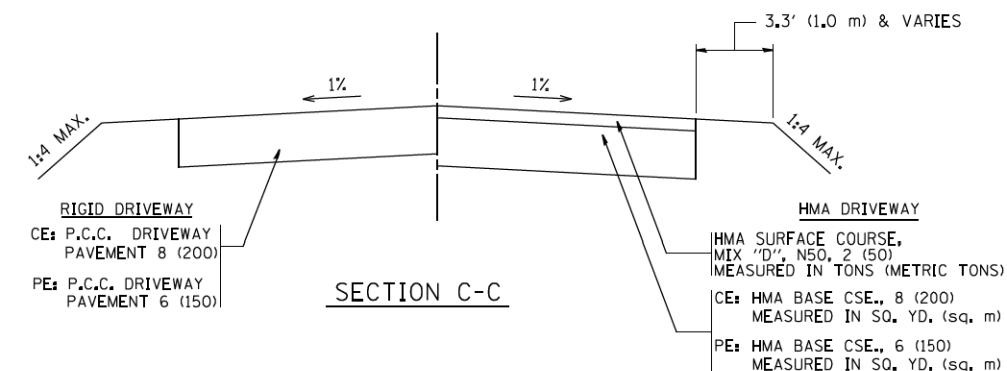
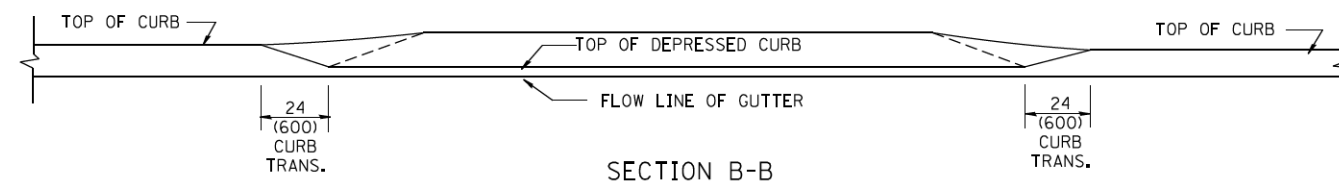
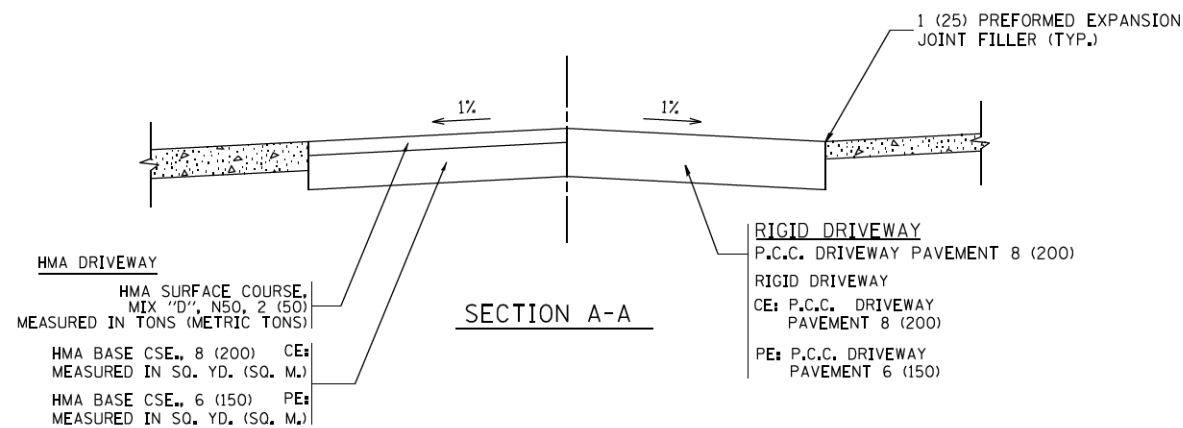
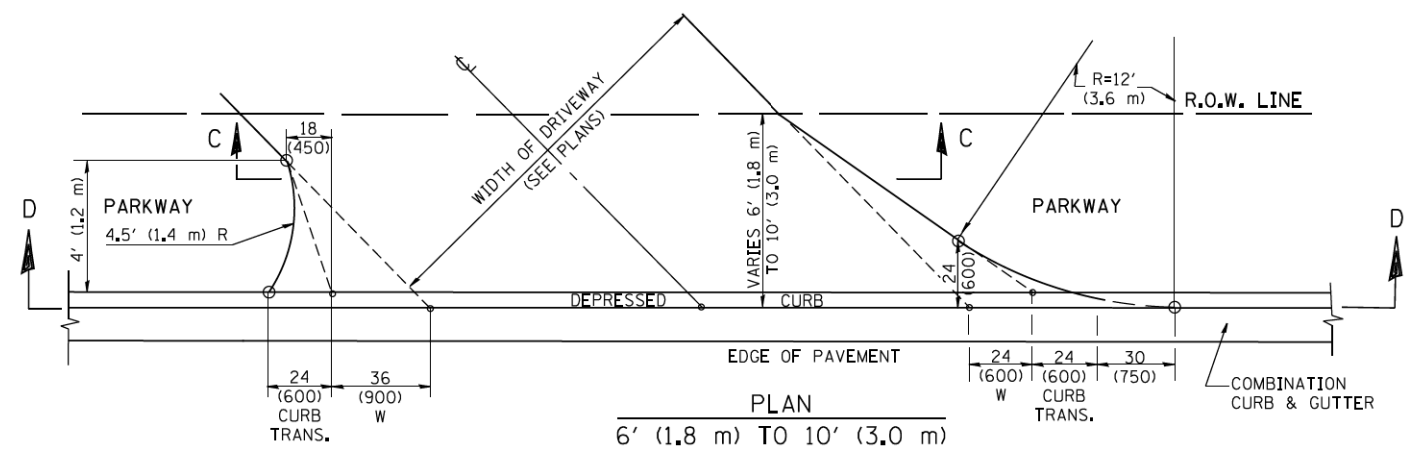
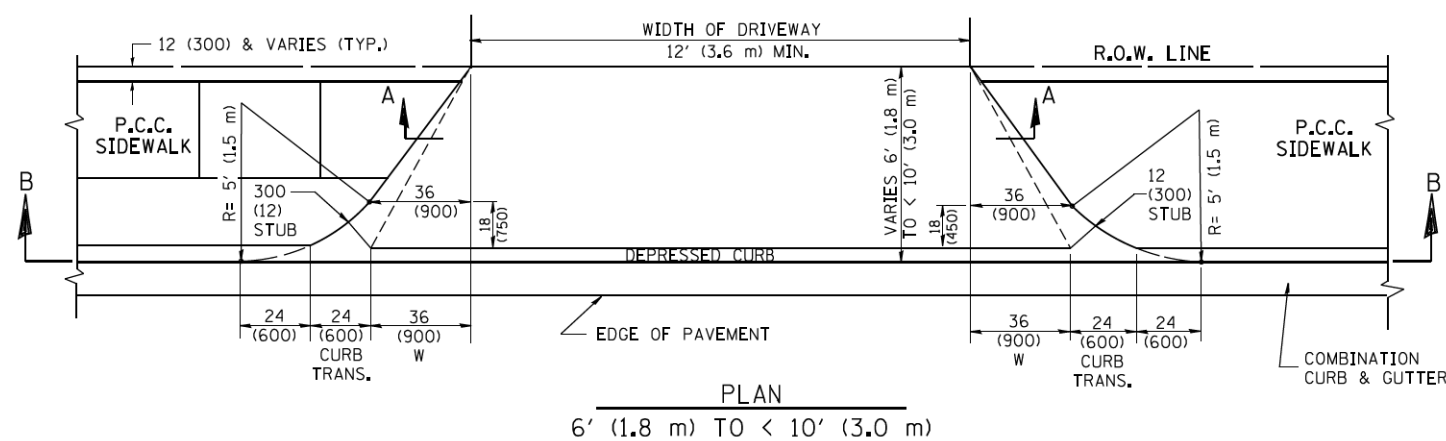
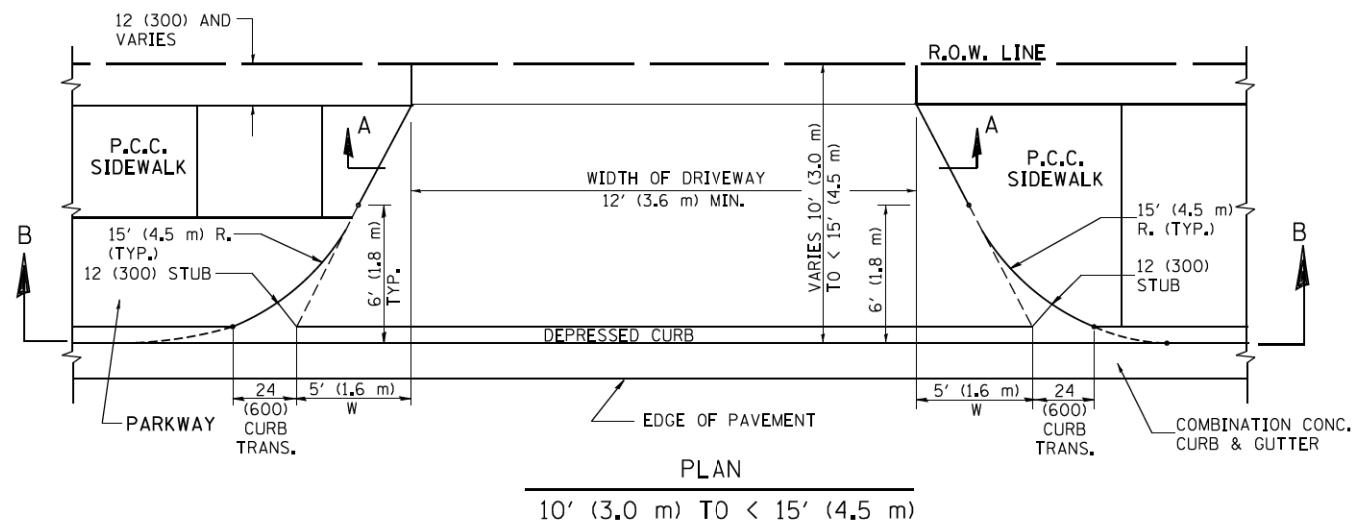
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	PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED - R. BORO 06-11-08
	PLOT DATE = 9/6/2011	DATE - 11-04-95	REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W.
 AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-00-ES	MCHENRY	1751	706
BDD0156-07 (BD-01)			CONTRACT NO. 61E53	
FED. ROAD DIST. NO. 1 ILLINOIS/FED. AID PROJECT				



GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED.

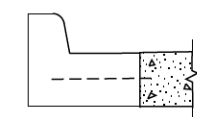
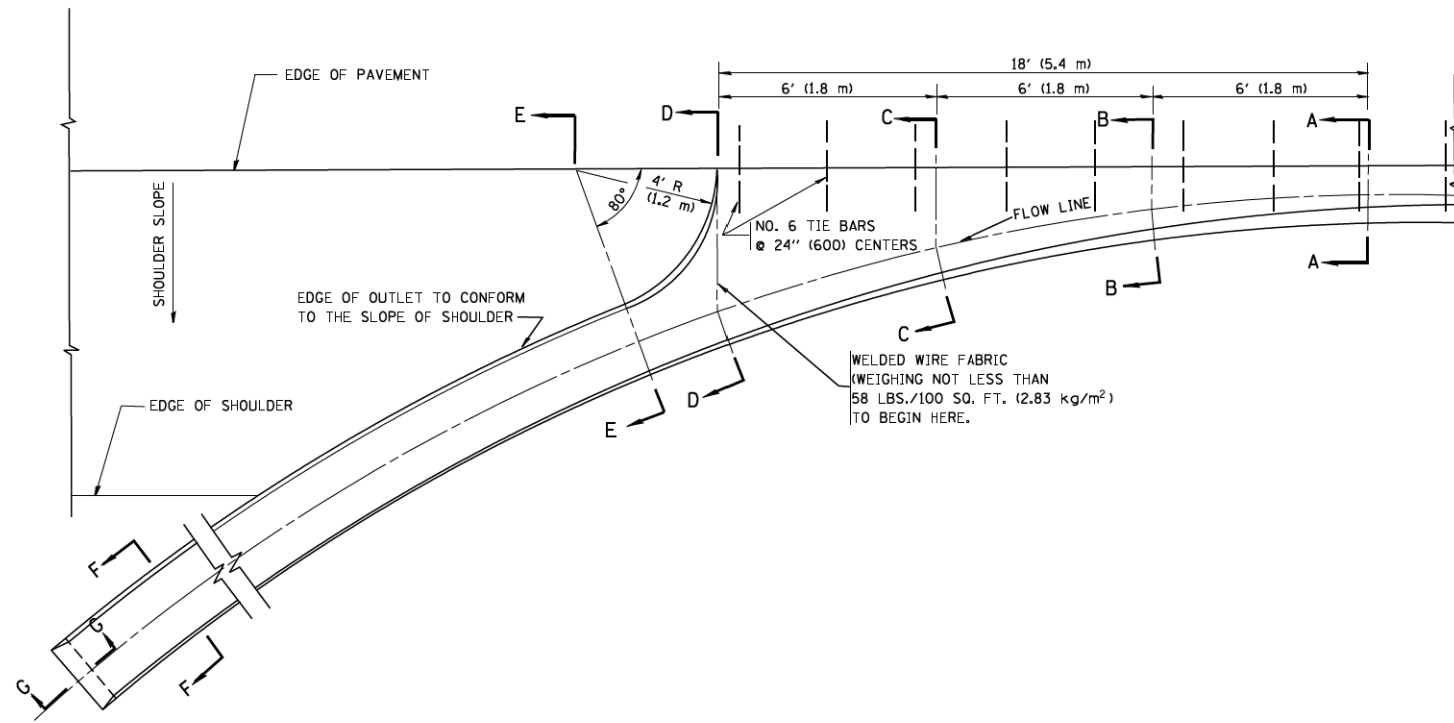
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	PLOT DATE = 10/28/2011	DATE - 11-06-95	REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRIVEWAY DETAILS
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)

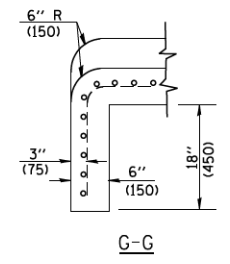
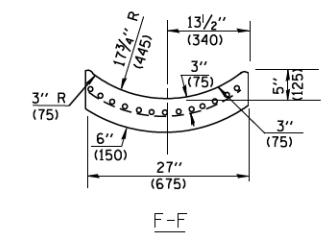
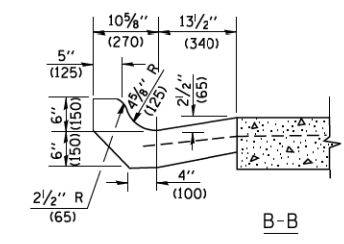
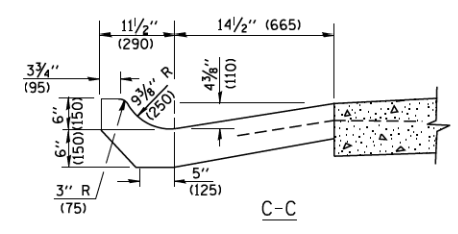
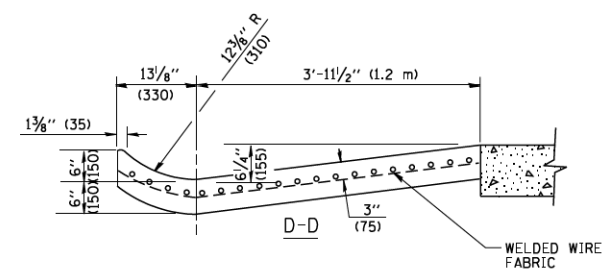
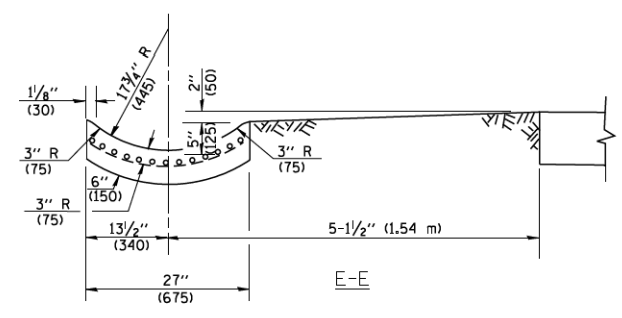
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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BD400-02 (BD-02)			CONTRACT NO. 61E53	
FED. ROAD DIST. NO. 1 ILLINOIS/FED. AID PROJECT				



A-A *

* DIMENSIONS OF THE CURB & GUTTER AT SECTION A-A ARE SHOWN ON STATE STANDARD 606001. FOR DETAILS OF OUTLET FOR CONCRETE CURB & GUTTER, TYPE B-6.24 (B-15.60) SEE STATE STANDARD 606006.



GENERAL NOTES

GUTTER OUTLET SHALL BE TIED TO THE PAVEMENT IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001.

TIE BARS SHALL BE NO. 20 (NO.6) AT 24\"/>

IF THE AVERAGE GRADE OF PAVEMENT FOR THE DISTANCE FROM SECTION A-A TO D-D EXCEEDS 2%, THIS DISTANCE SHALL BE INCREASED 6' (1.8 m) FOR EACH 1% INCREASE IN GRADE.

QUANTITIES

FOR SECTION A-A TO E-E AND CURTAIN WALL =
 1.25 CU. YDS. (0.96 m³) CLASS SI CONCRETE (OUTLET) FOR 9\"/>

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

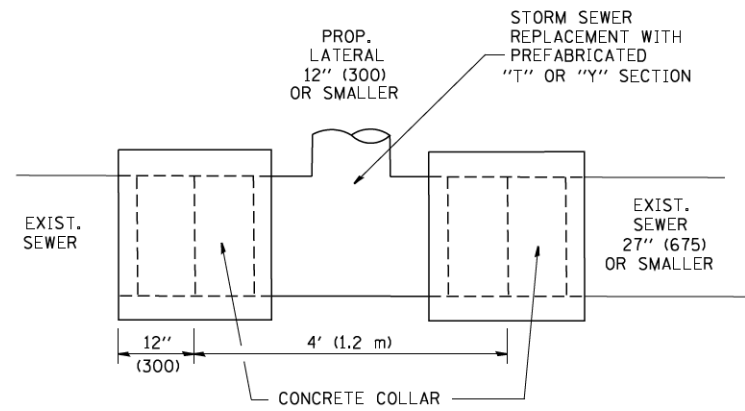
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	PLOT DATE = 1/4/2008	DATE - 08-04-86	REVISED - E. GOMEZ 12-21-00
			REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**OUTLET FOR CONCRETE
CURB AND GUTTER**

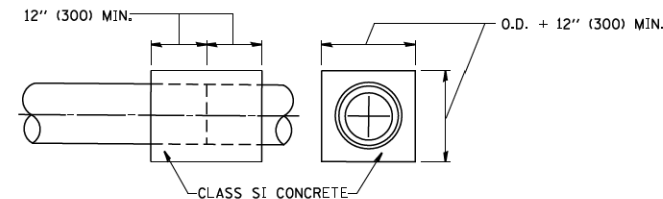
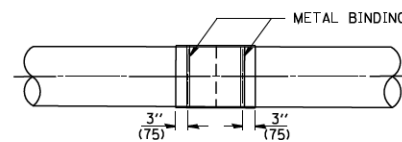
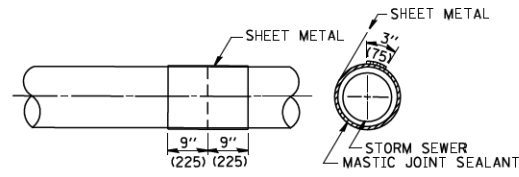
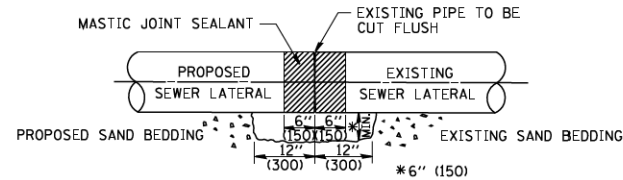
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F.A.P. RTE. 336	SECTION 06-00329-00-ES	COUNTY MCHENRY	TOTAL SHEETS 1751	SHEET NO. 708
BD600-01 (BD-03)		CONTRACT NO. 61E53		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER

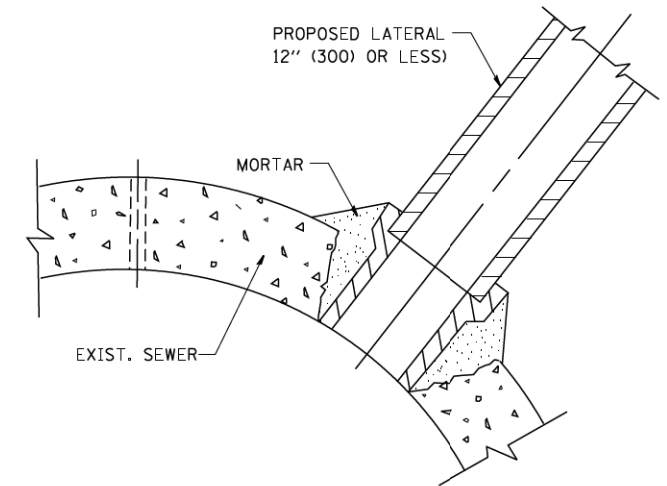


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12" x 6" (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OOOZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS. THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

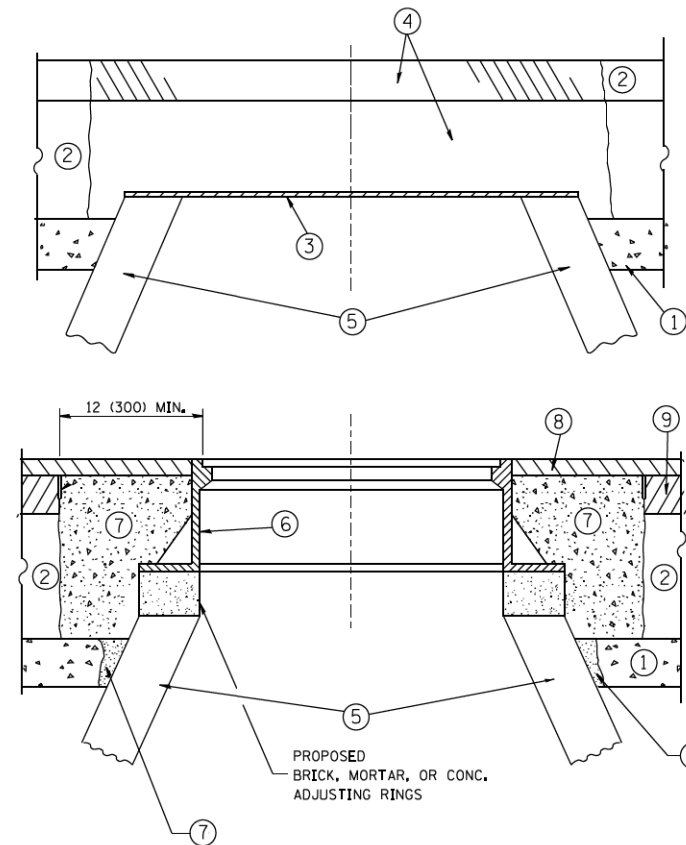
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	PLOT DATE = 1/4/2008	DATE - 07-25-90	REVISED - R. SHAH 06-12-96

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAIL OF STORM SEWER
CONNECTION TO EXISTING SEWER**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 336	SECTION 06-00329-00-ES	COUNTY MCHENRY	TOTAL SHEETS 1751	SHEET NO. 709
BD500-01 (BD-7)			CONTRACT NO. 61E53	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS PP-1* CONCRETE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT:

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

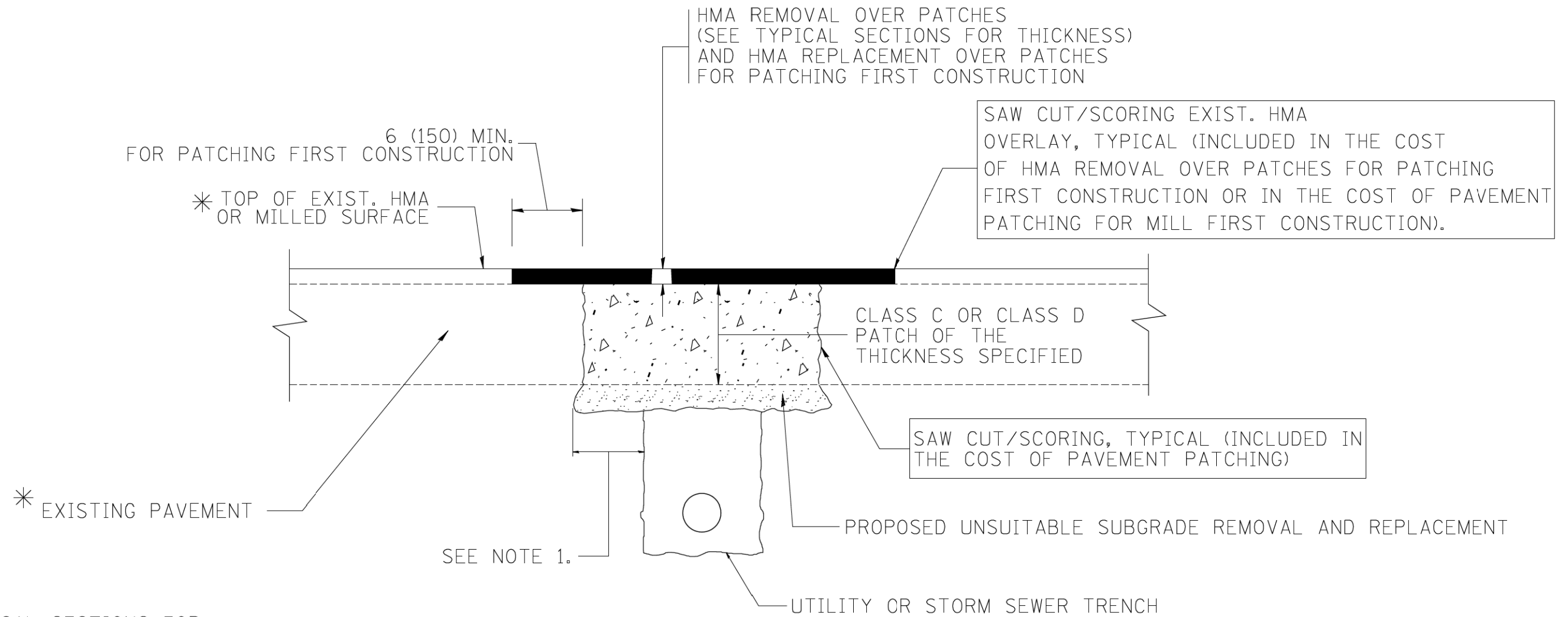
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-00-ES	MCHENRY	1751	710
BD600-03 (BD-8)			CONTRACT NO. 61E53	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

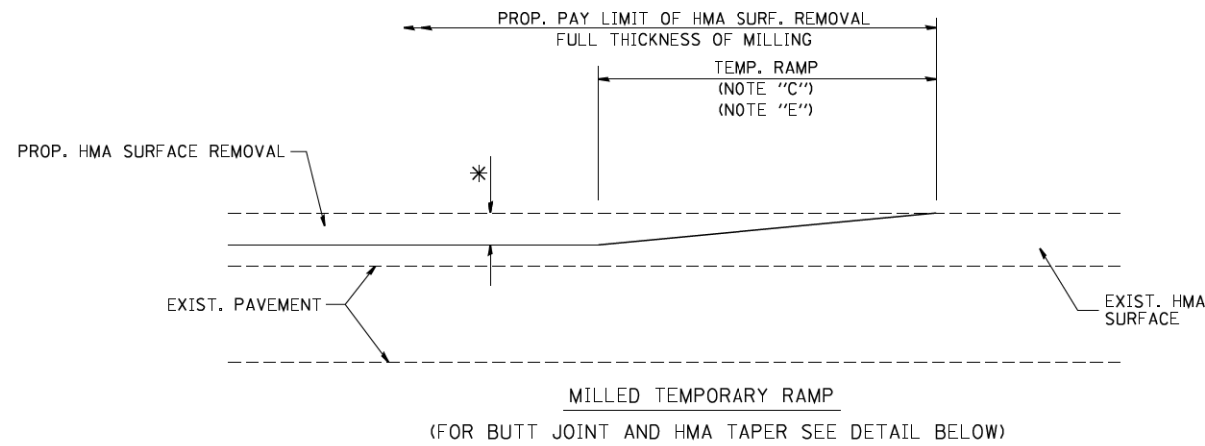
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

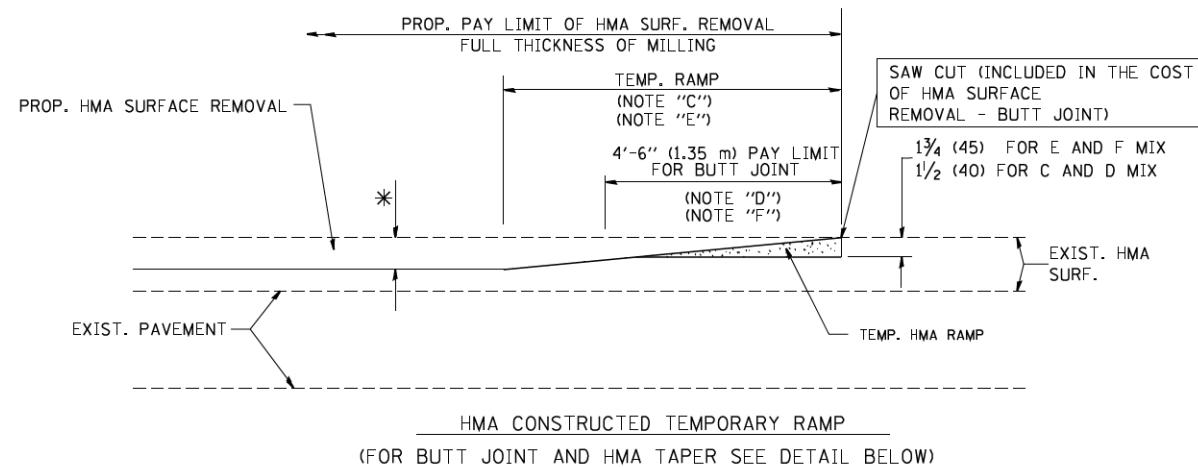
**PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 336	SECTION 06-00329-00-ES	COUNTY MCHENRY	TOTAL SHEETS 1751	SHEET NO. 711
BD400-04 (BD-22)			CONTRACT NO. 61E53	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

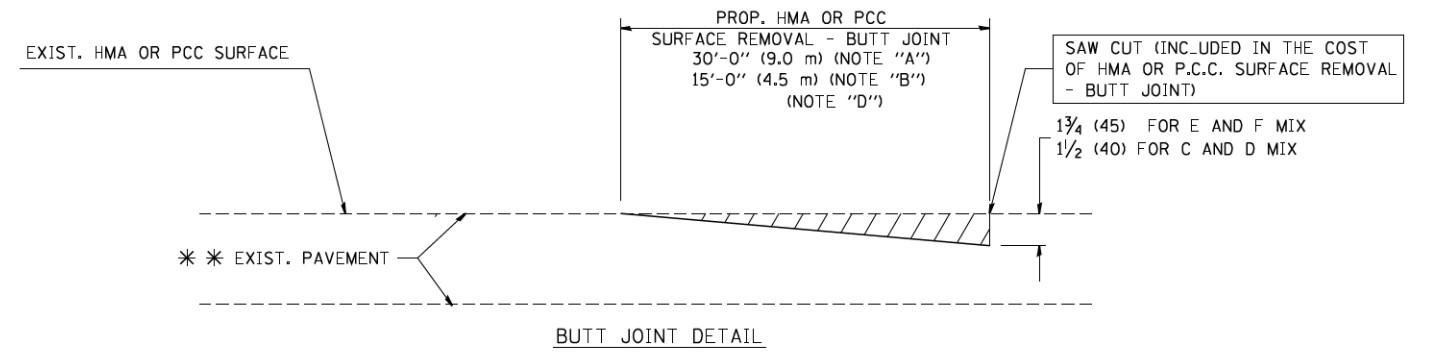


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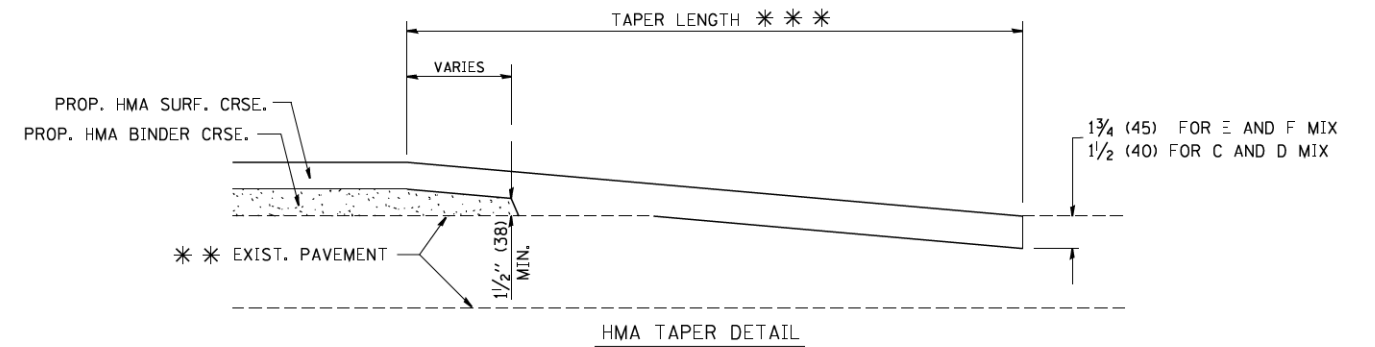


OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

* * * PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B: MINOR SIDE ROADS.
- C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
- G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

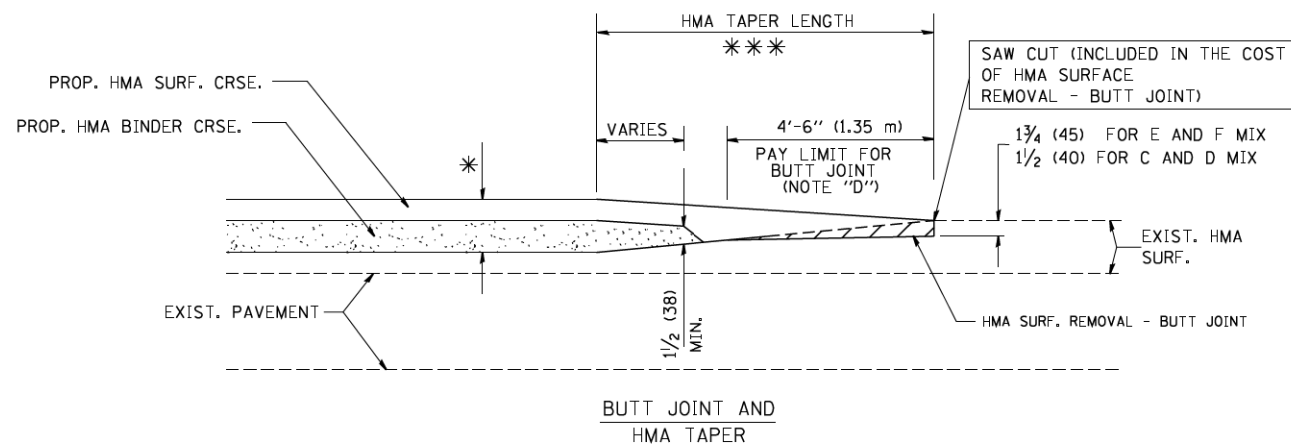
* * * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

* * * 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

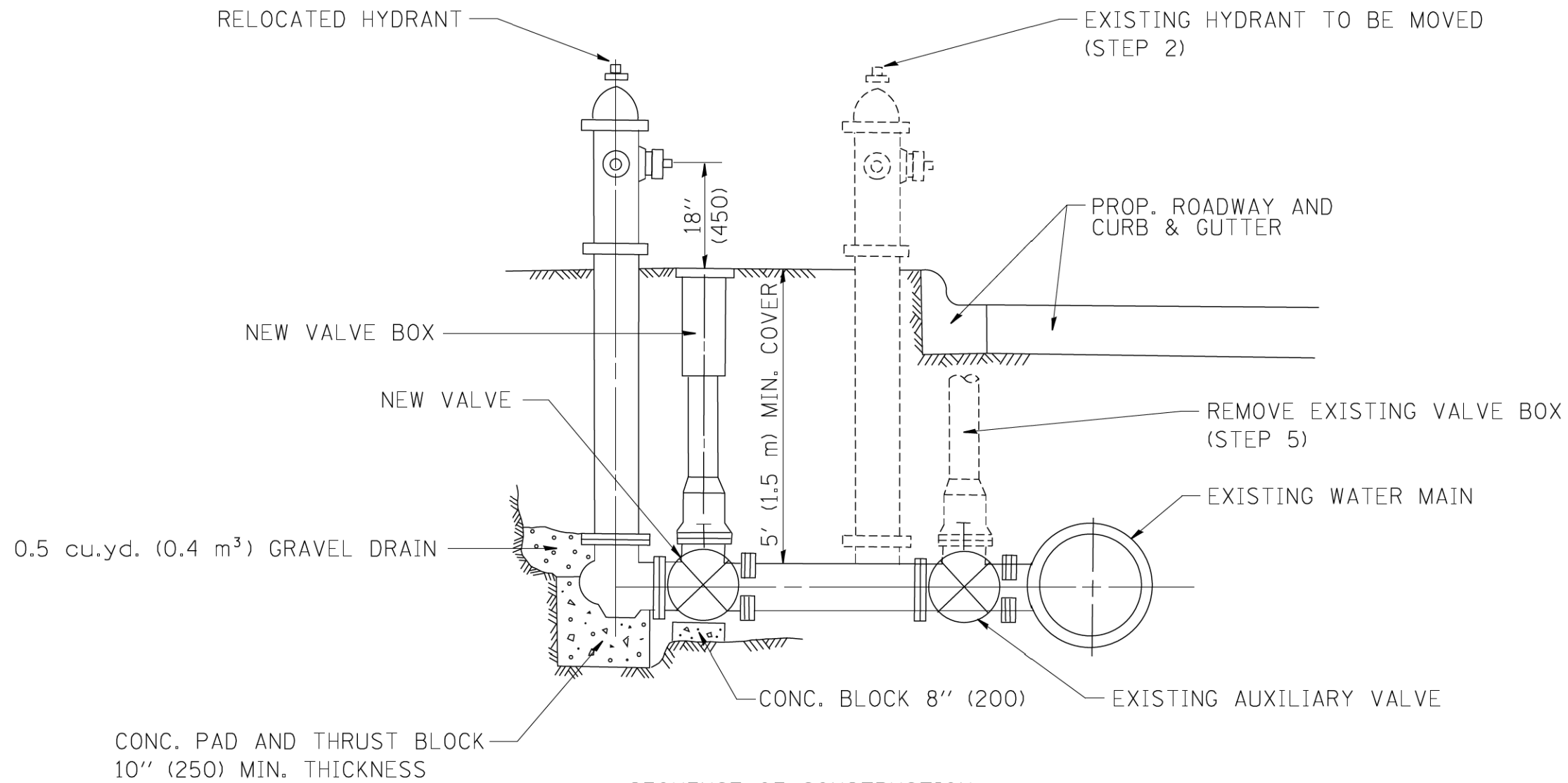
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	PLOT DATE = 1/4/2008	CHECKED -	REVISED - M. GOMEZ 04-06-01
		DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 336	SECTION 06-00329-00-ES	COUNTY MCHENRY	TOTAL SHEETS 1751	SHEET NO. 712
BD400-05 BD32			CONTRACT NO. 61E53	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SEQUENCE OF CONSTRUCTION:

1. CLOSE EXISTING VALVE.
2. REMOVE EXISTING HYDRANT.
3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
4. RELOCATE EXISTING HYDRANT.
5. OPEN EXISTING VALVE, REMOVE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

ALL WORK TO BE DONE IN ACCORDANCE WITH ARTICLE 564 OF THE STANDARD SPECIFICATIONS. NEW VALVE AND BOX SHALL BE SAME MAKE AND MODEL AS EXISTING.

FIRE HYDRANT TO BE MOVED

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

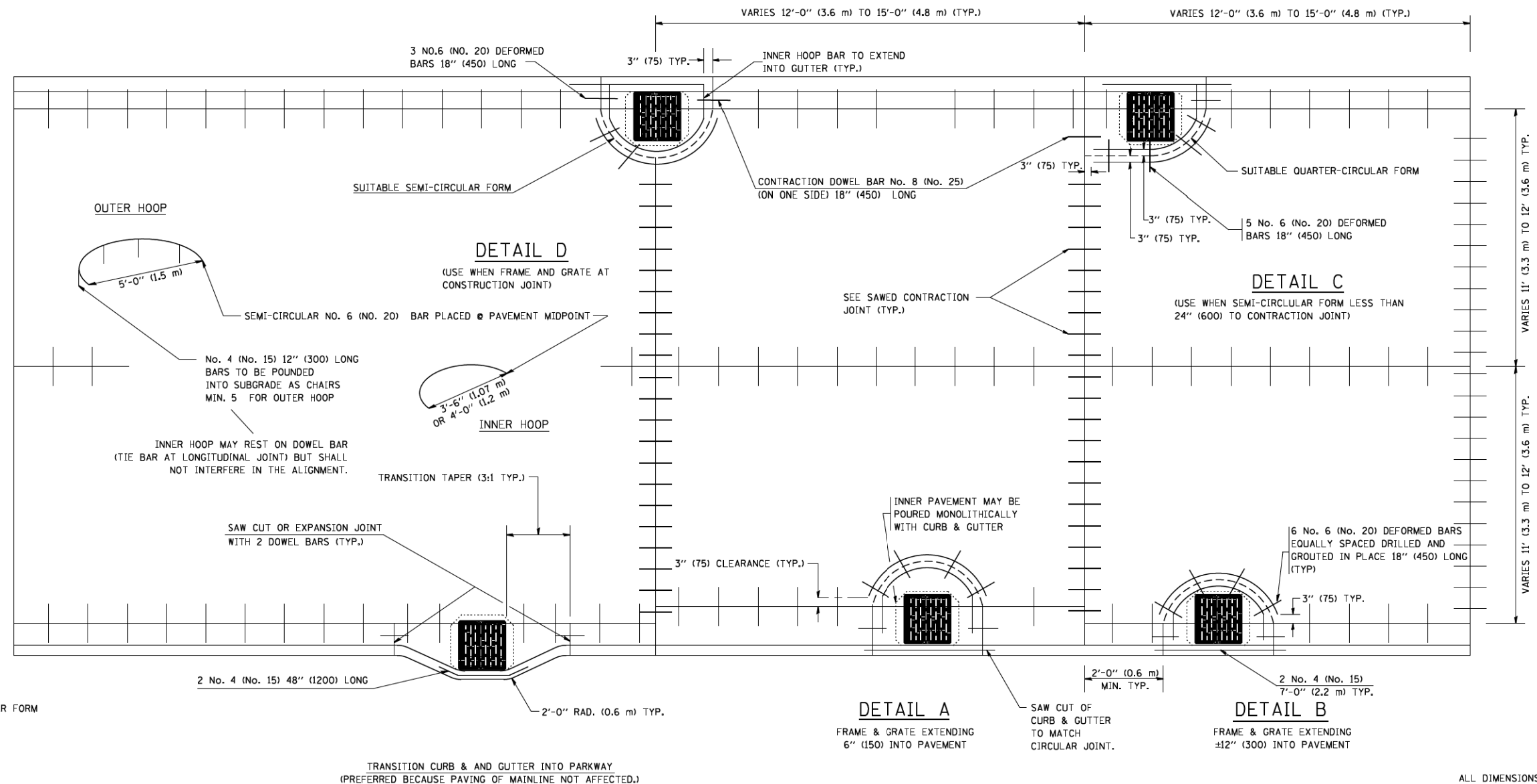
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									BD-36 CONTRACT NO. 61E53			

FRAME EXTENSION INTO PAVEMENT	INNER HOOP REINFORCEMENT DIAMETER	SEMI CIRCULAR FORM DIAMETER	OUTER HOOP REINFORCEMENT DIAMETER
UP TO 8" (200)	3'-6" (1.1 m)	4'-0" (1.2 m)	5'-0" (1.5 m)
> 8" (200) TO 14" (360)	4'-0" (1.2 m)	4'-6" (1.4 m)	5'-0" (1.5 m)

DESIGNER NOTE:
THIS DETAIL IS TO BE USED
WHEN THE GUTTER FLAG IS
LESS THAN 24"

NOTES :

1. THE ROUNDOUT AND ADDED REINFORCEMENT WILL NOT BE PAID SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE PAVEMENT.
2. TRANSVERSE JOINTS MAY BE MOVED TO ACCOMMODATE ROUNDOUT. EDGE OF CIRCULAR JOINT SHALL BE MINIMUM 12" (300) FROM TRANSVERSE JOINT. RELOCATED TRANSVERSE JOINT SHALL BE CONTINUOUS FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT.
3. SEMI-CIRCULAR FORM SHALL BE REMOVED PRIOR TO DRILL AND GROUT OF TIE BARS.
4. ALL REINFORCED BARS SHALL BE EPOXY COATED.
5. DRILL AND GROUT IS PREFERRED, HOWEVER TIE BARS CAN BE POURED IN PLACE IF CLEARANCE IS PROVIDED TO OUTER EDGE OF FRAME. MINIMUM 2" (50) CLEARANCE.
6. WOOD SHIMS SHALL BE USED TO ADJUST ALL FRAMES. AFTER ADJUSTING MORTAR HAS CURED, THE WOOD SHIMS SHALL BE REMOVED AND THE VOIDS UNDER THE FRAMES FILLED WITH NON SHRINK GROUT.
7. HOOP REINFORCEMENT SHALL BE ONE PIECE CONSTRUCTION.
8. CIRCULAR FRAMES AND GRATES MAY BE SUBSTITUTED.
9. CURB DOWELS MUST BE PLACED LEVEL & TRUE TO ALLOW CONTRACTION MOVEMENT.



LEGEND:

- CASTING
- SUITABLE SEMI-CIRCULAR FORM

ALL DIMENSIONS ARE IN INCHES
(MILLIMETERS) UNLESS OTHERWISE NOTED

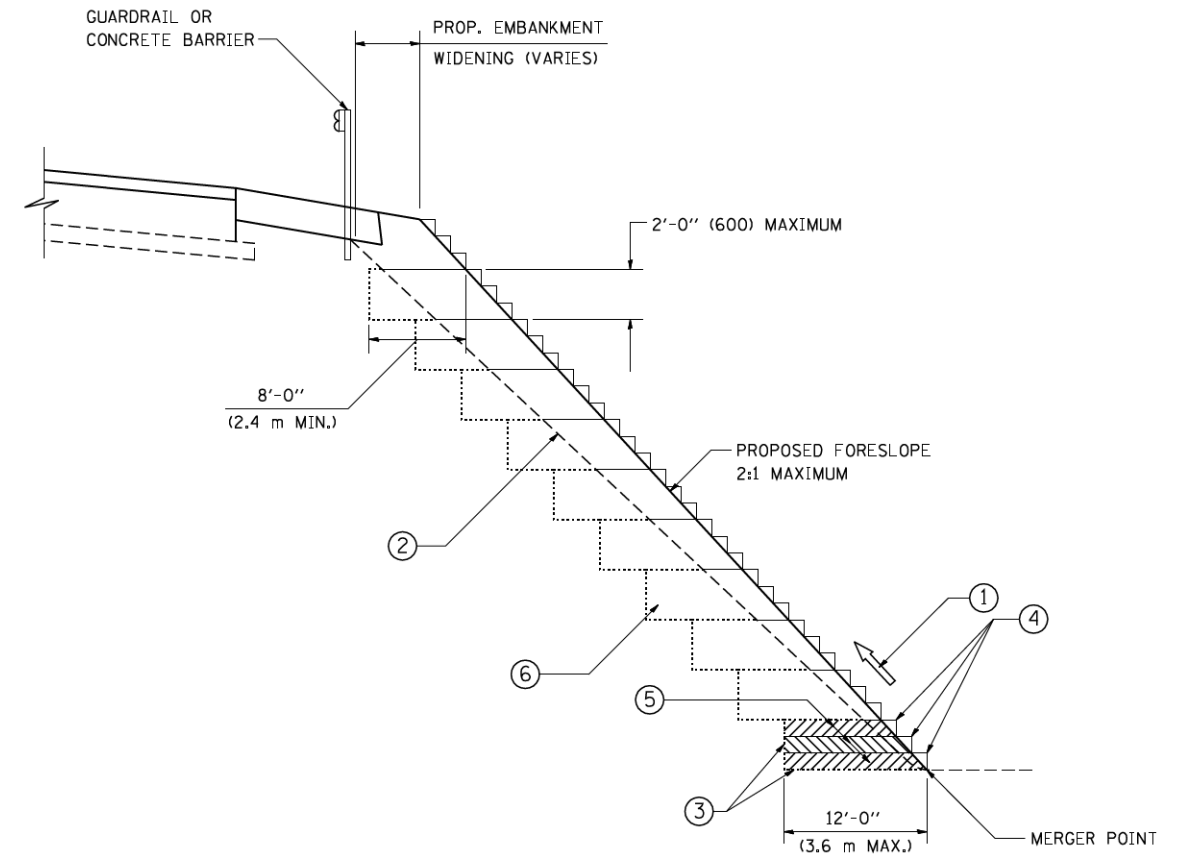
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		DATE - 01-04-99	REVISED - P. LAFLEUR 08-27-02

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PCC PAVEMENT ROUNDOUTS AT
CURB AND GUTTER

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-00-ES	MCHENRY	1751	714
BD-48			CONTRACT NO.	61E53
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				



TYPICAL BENCHING DETAIL
FOR EMBANKMENT

NOTES:

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

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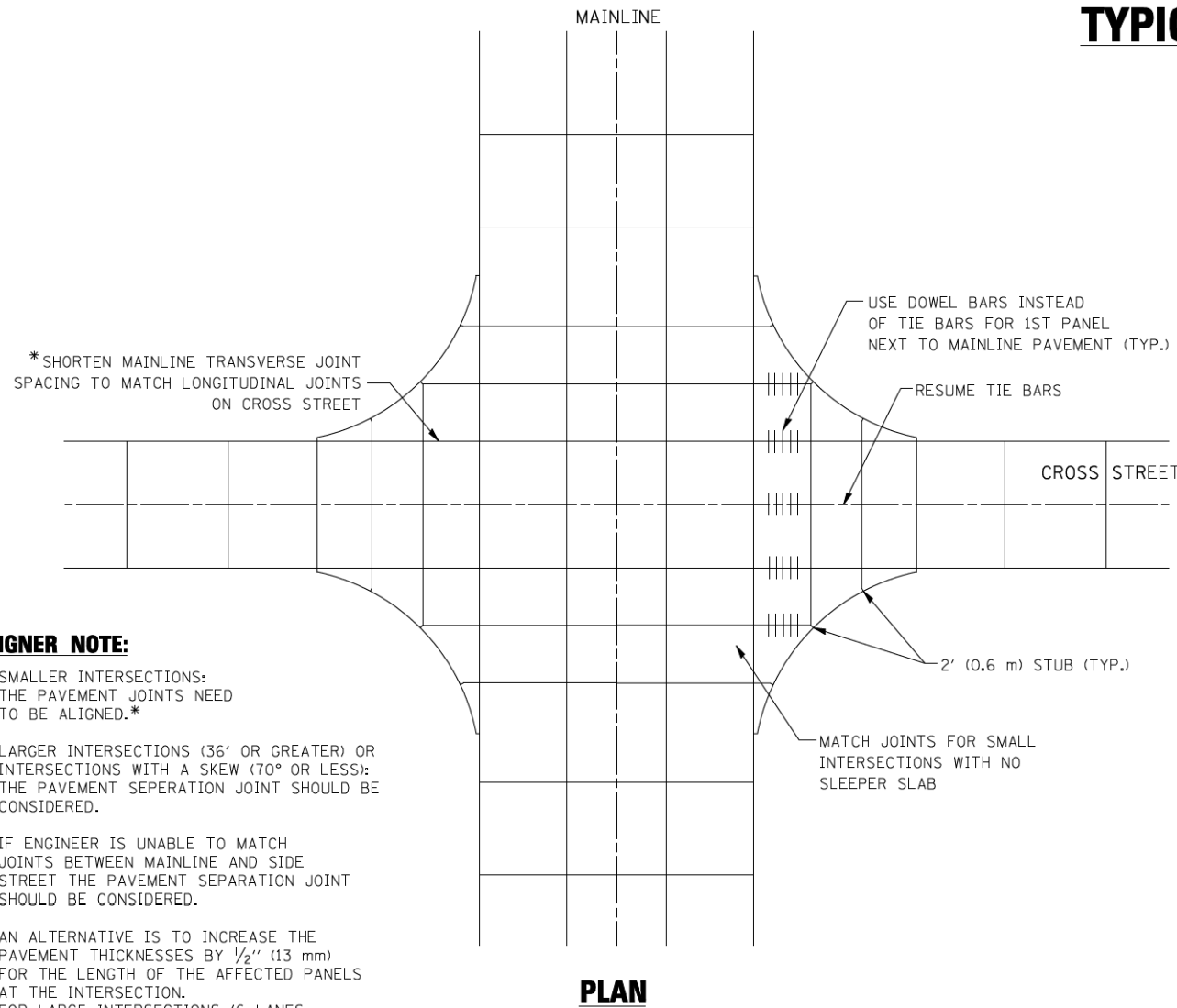
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BENCHING DETAIL FOR EMBANKMENT WIDENING	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-00-ES	MCHENRY	1751	715
BD-51			CONTRACT NO.	61E53
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

TYPICAL APPLICATION

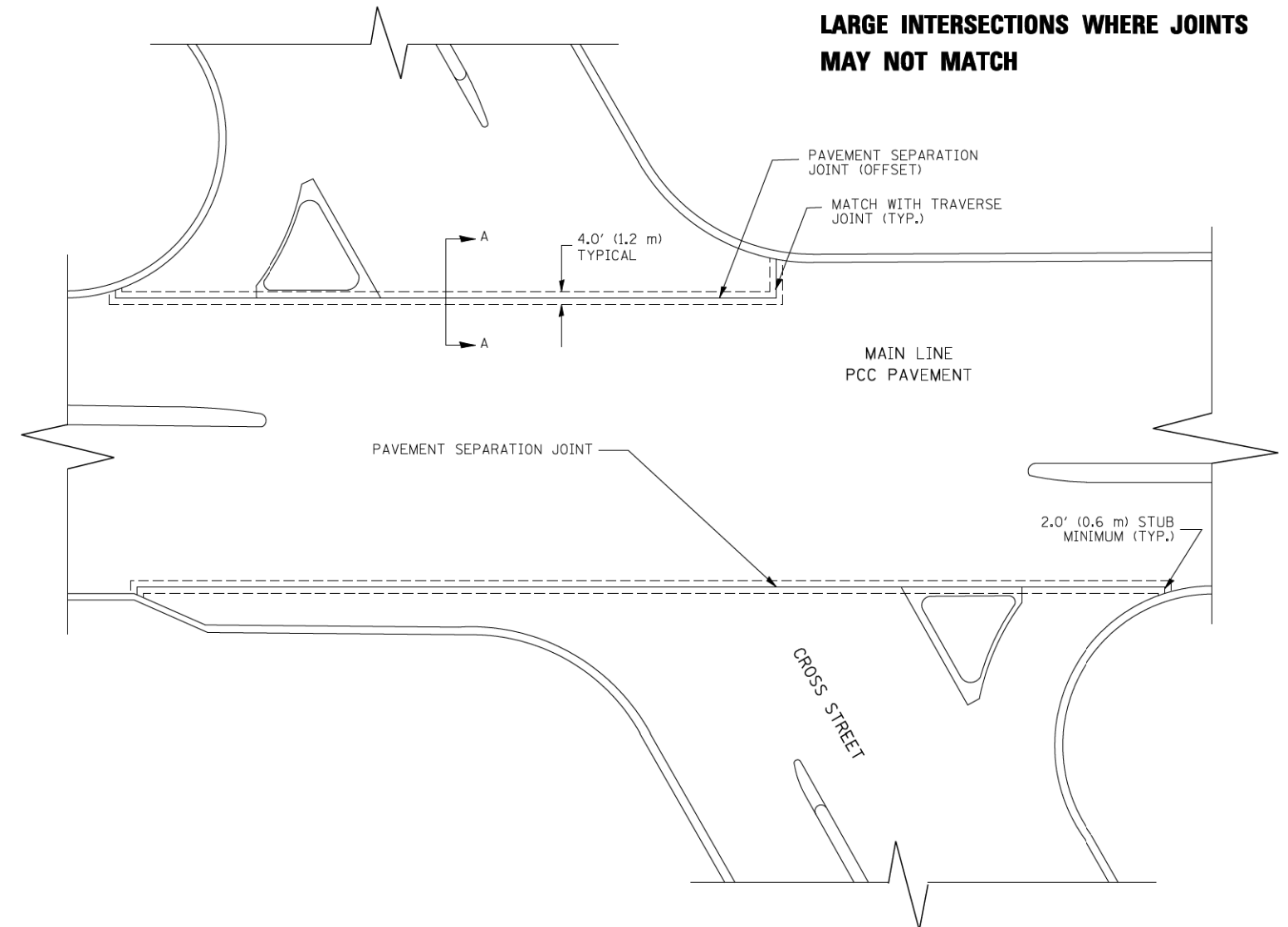
THE USE OF CROSS STREET PAVEMENT SEPARATION JOINTS FOR SKEWED OR LARGE INTERSECTIONS WHERE JOINTS MAY NOT MATCH



PLAN

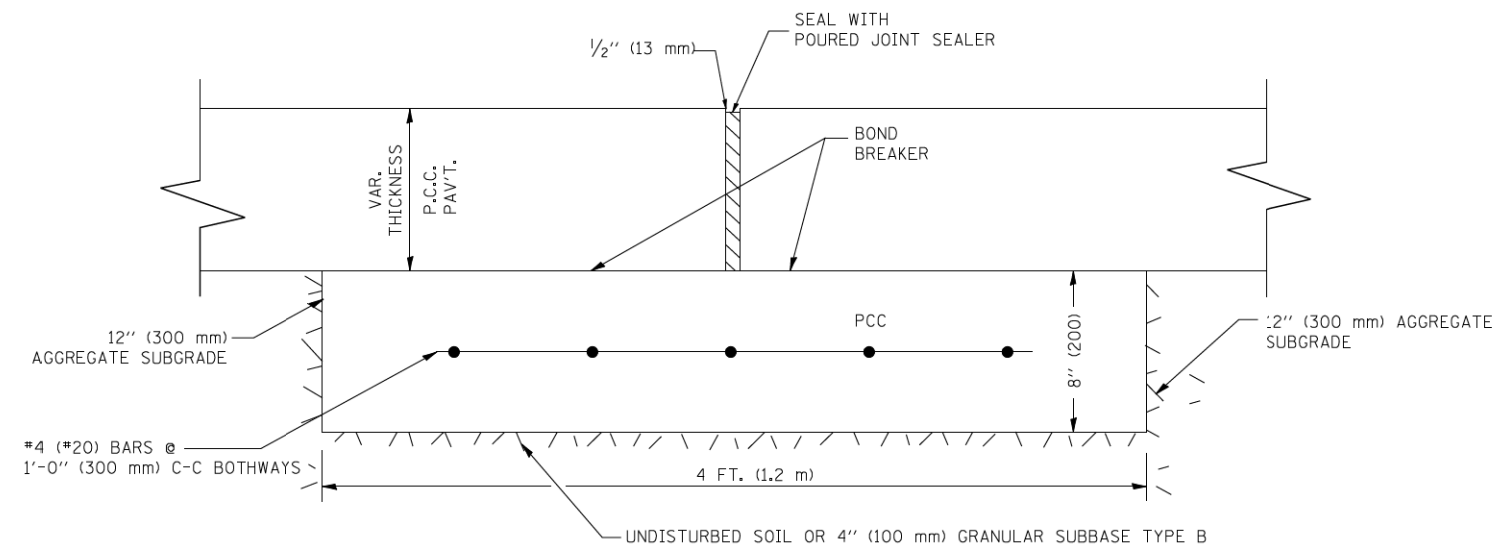
DESIGNER NOTE:

1. SMALLER INTERSECTIONS: THE PAVEMENT JOINTS NEED TO BE ALIGNED.*
2. LARGER INTERSECTIONS (36' OR GREATER) OR INTERSECTIONS WITH A SKEW (70° OR LESS): THE PAVEMENT SEPERATION JOINT SHOULD BE CONSIDERED.
3. IF ENGINEER IS UNABLE TO MATCH JOINTS BETWEEN MAINLINE AND SIDE STREET THE PAVEMENT SEPARATION JOINT SHOULD BE CONSIDERED.
4. AN ALTERNATIVE IS TO INCREASE THE PAVEMENT THICKNESSES BY 1/2" (13 mm) FOR THE LENGTH OF THE AFFECTED PANELS AT THE INTERSECTION. FOR LARGE INTERSECTIONS (6 LANES OR MORE) WHERE JOINTS CAN BE MATCHED, USE #8 (25) DOWEL BARS INSTEAD OF #8 (25) TIE BARS AT EDGE OF MAINLINE PAVEMENT WHEN NO PAVEMENT SEPARATION JOINTS USED.



NOTE:

1. JOINT FILLER SHALL CONSIST OF A SHEET OF 1/2" (13 mm) BITUMINOUS PREFORMED FIBER JOINT FILLER CONFORMING TO ARTICLE 1051.03 OF THE STANDARD SPECIFICATIONS.
2. THE JOINT SHALL BE SEALED WITH A HOT POUR JOINT SEALER CONFORMING TO ARTICLE 1050.02 OF THE STANDARD SPECIFICATIONS.
3. A SINGLE LAYER OF FELT ROOFING PAPER SHALL SERVE AS A BOND BREAKER.
4. JOINT SHALL CONTINUE THROUGH COMBINATION CURB & GUTTER OR PCC SHOULDER.
5. PAVEMENT SEPARATION JOINT IS TO BE PAID FOR AS "SLEEPER SLAB" AND IS TO BE MEASURED IN PLACE BY THE LINEAL FOOT.
6. BOND BREAKER AND 1/2" (13 mm) JOINT AND FILLER SHALL BE INCIDENTAL TO THE PAY ITEM "SLEEPER SLAB".



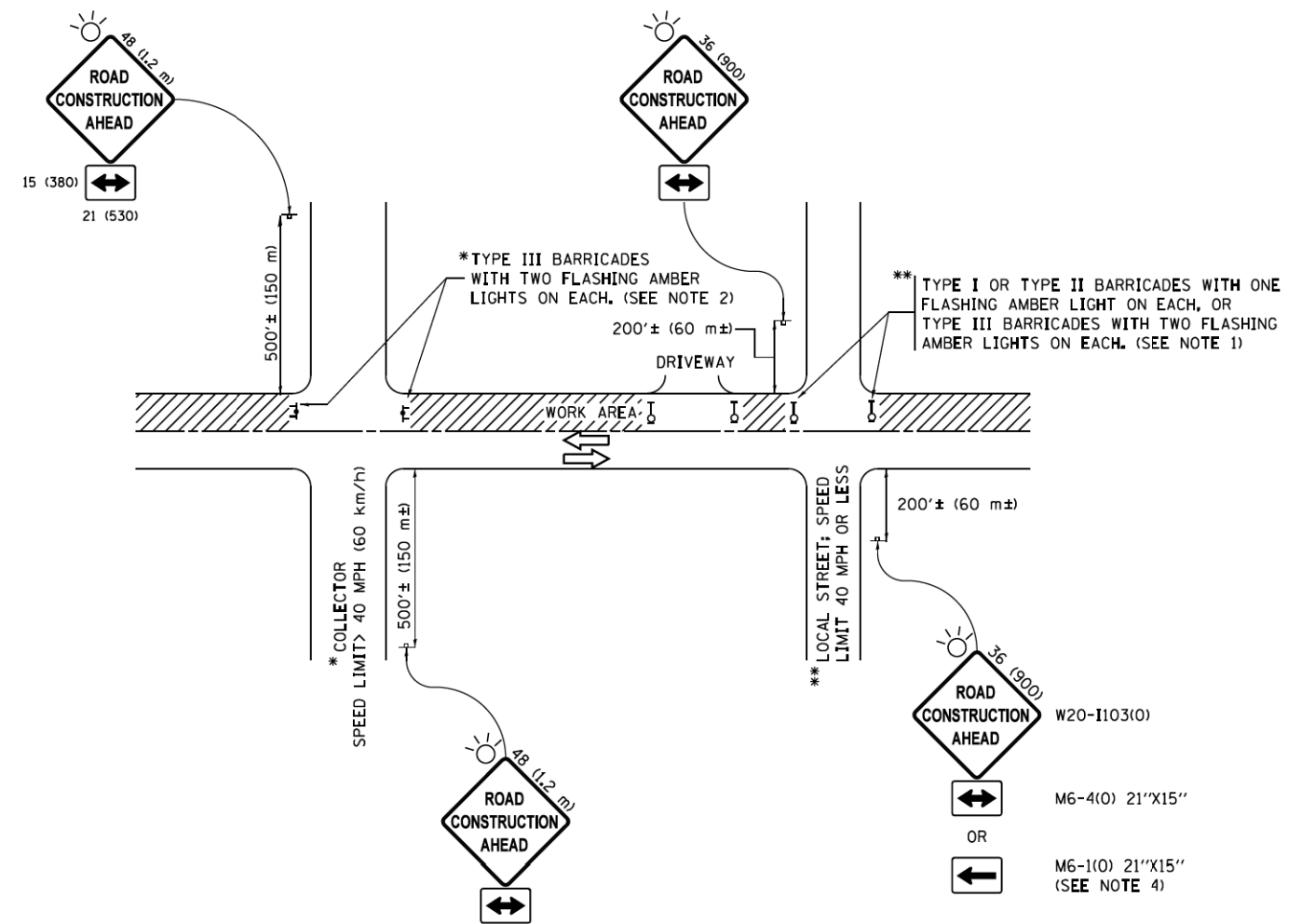
PROPOSED SECTION A-A

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	PLOT DATE = 2/25/2011		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAIL OF PAVEMENT SEPARATION JOINT FOR JOINTED PCC PAVEMENTS AT INTERSECTIONS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-00-ES	MCHENRY	1751	716
BD52		CONTRACT NO. 61E53		
ILLINOIS FED. AID PROJECT				



NOTES:

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

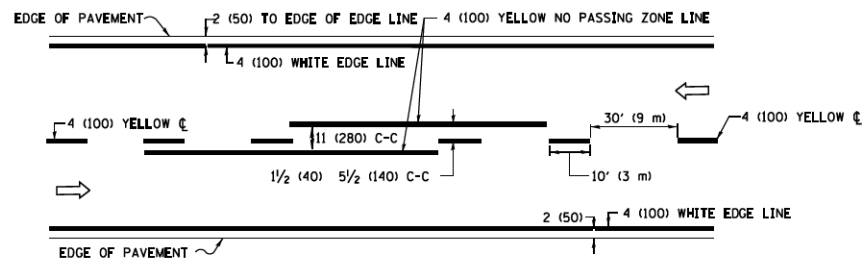
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	PLOT DATE = 9/15/2016		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

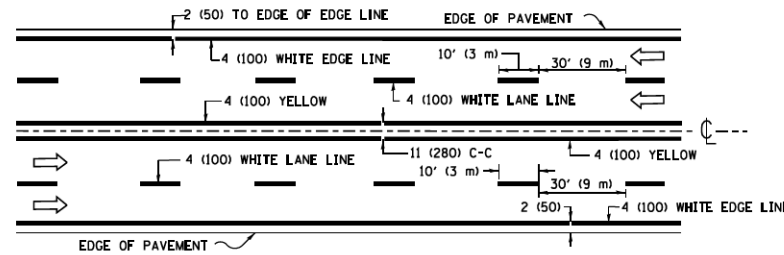
**TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

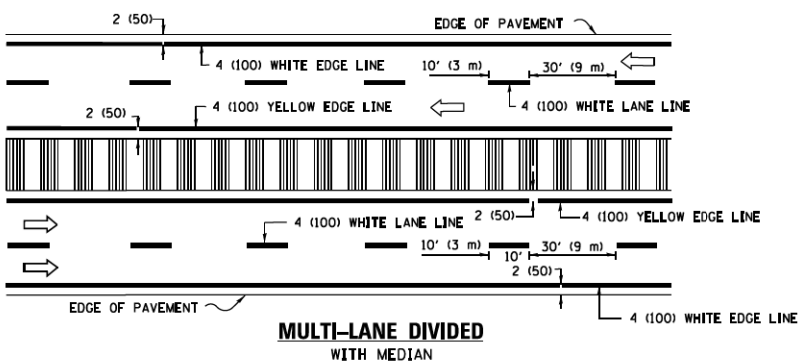
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TC-10		CONTRACT NO.	61E53	
ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

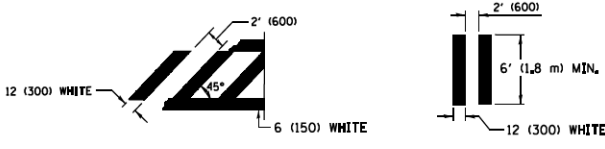
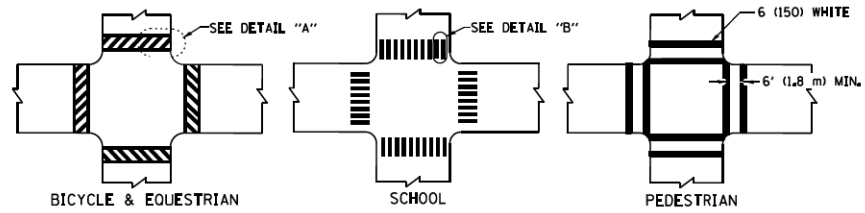


MULTI-LANE UNDIVIDED



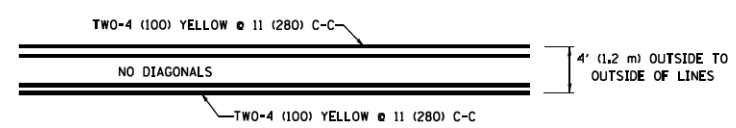
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

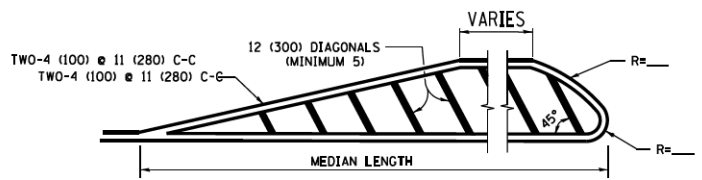


TYPICAL CROSSWALK MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

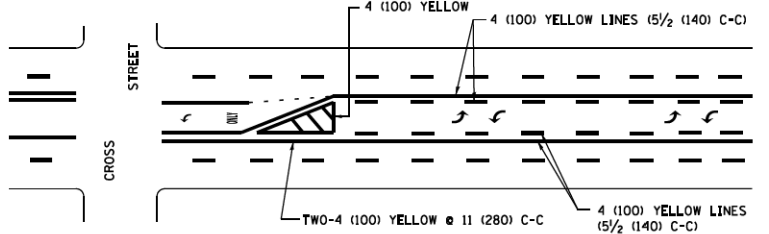


4' (1.2 m) WIDE MEDIANS ONLY

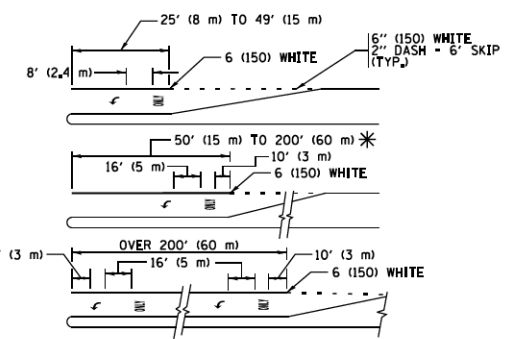


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

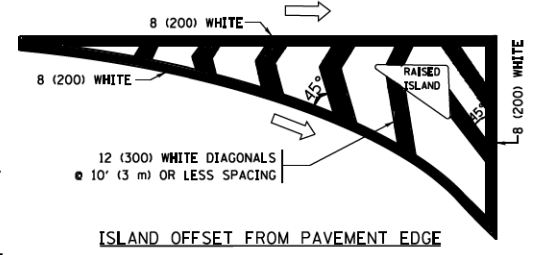


**MEDIAN WITH TWO-WAY LEFT TURN LANE
TYPICAL PAINTED MEDIAN MARKING**

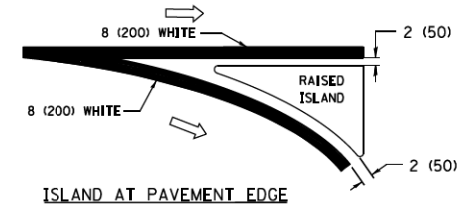


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) AREA = 20.8 SQ. FT. (1.9 m²)

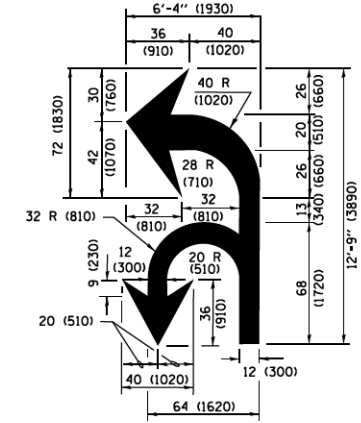
**TYPICAL LEFT (OR RIGHT) TURN LANE
TYPICAL TURN LANE MARKING**



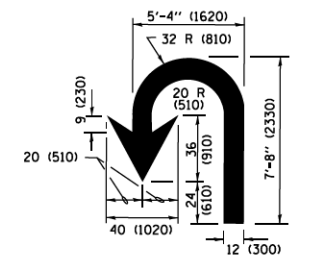
ISLAND OFFSET FROM PAVEMENT EDGE



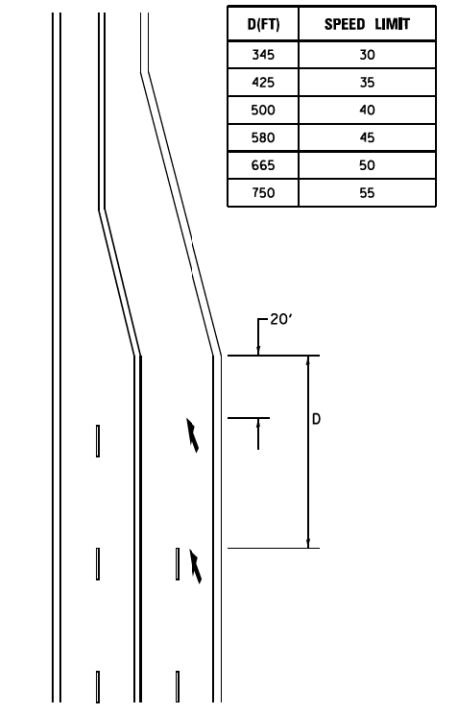
**ISLAND AT PAVEMENT EDGE
TYPICAL ISLAND MARKING**



COMBINATION LEFT AND U-TURN



U-TURN



D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

LANE REDUCTION TRANSITION
* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW TWO WAY TRAFFIC WHITE ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15' (4.5 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF "RR" = 3.6 SQ. FT. (0.33 m ²) EACH "X" = 54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

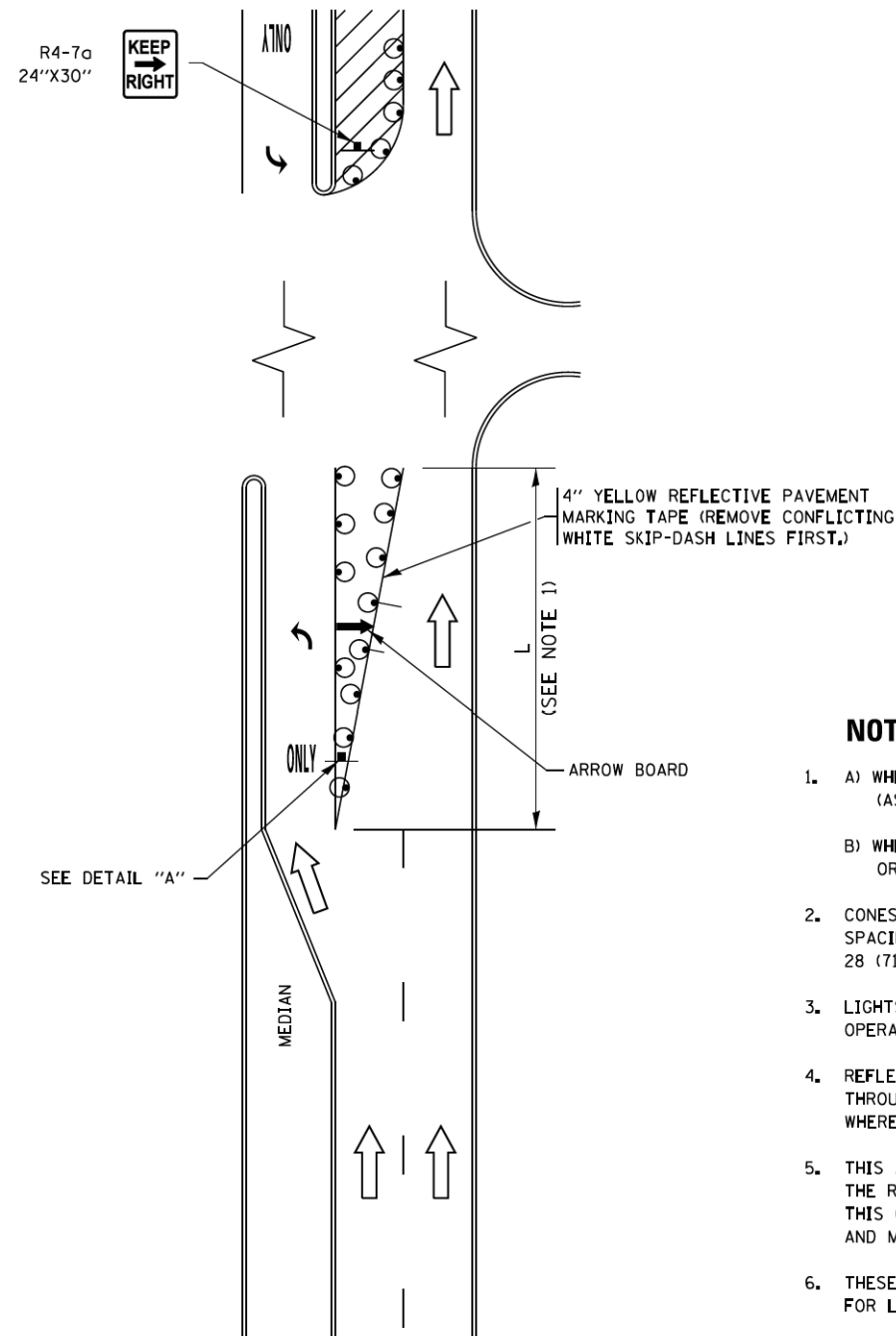


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

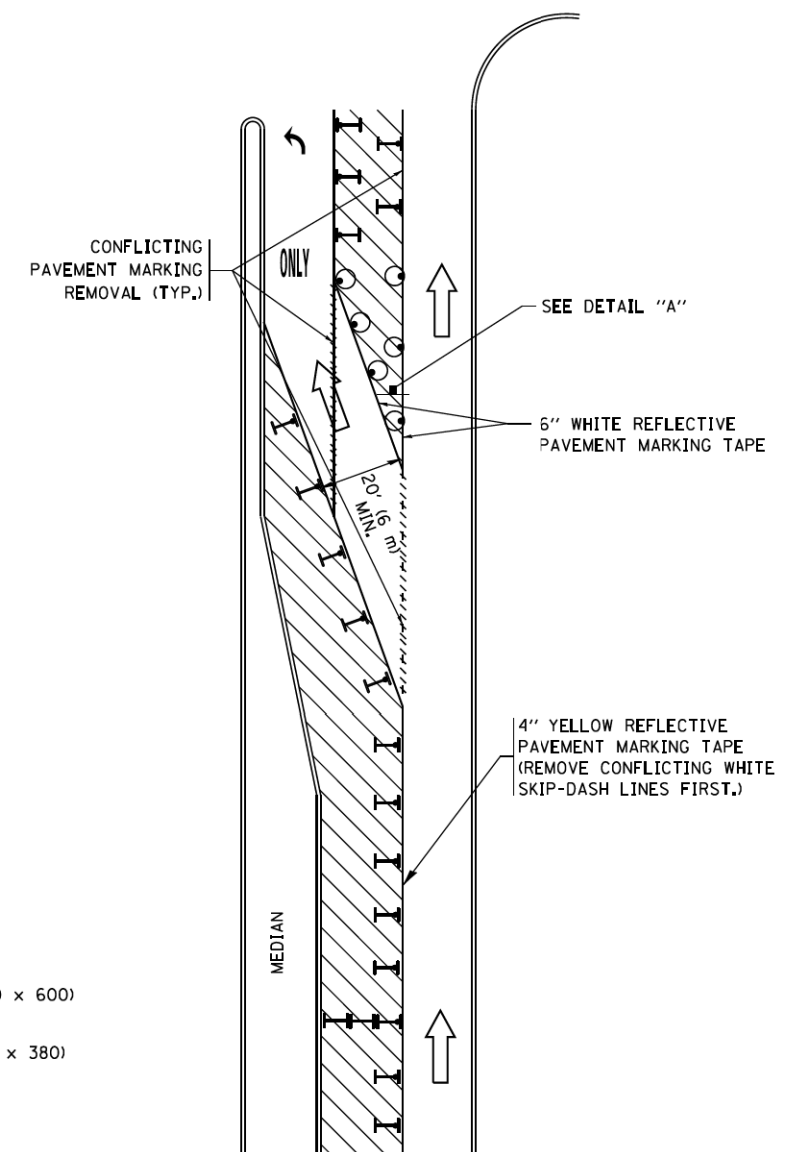


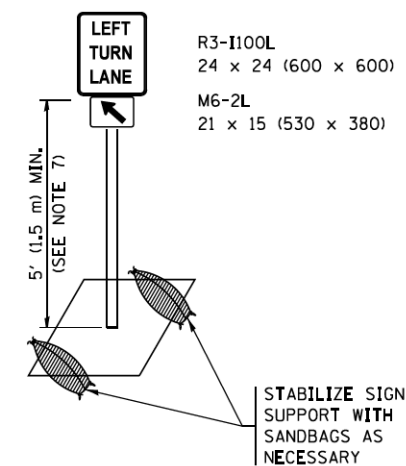
FIGURE 2

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

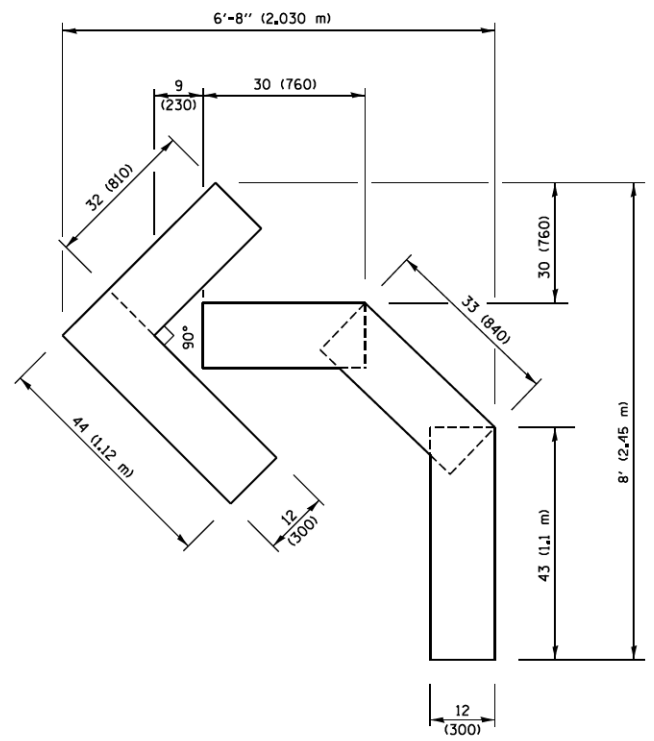
1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
 B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH REQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.



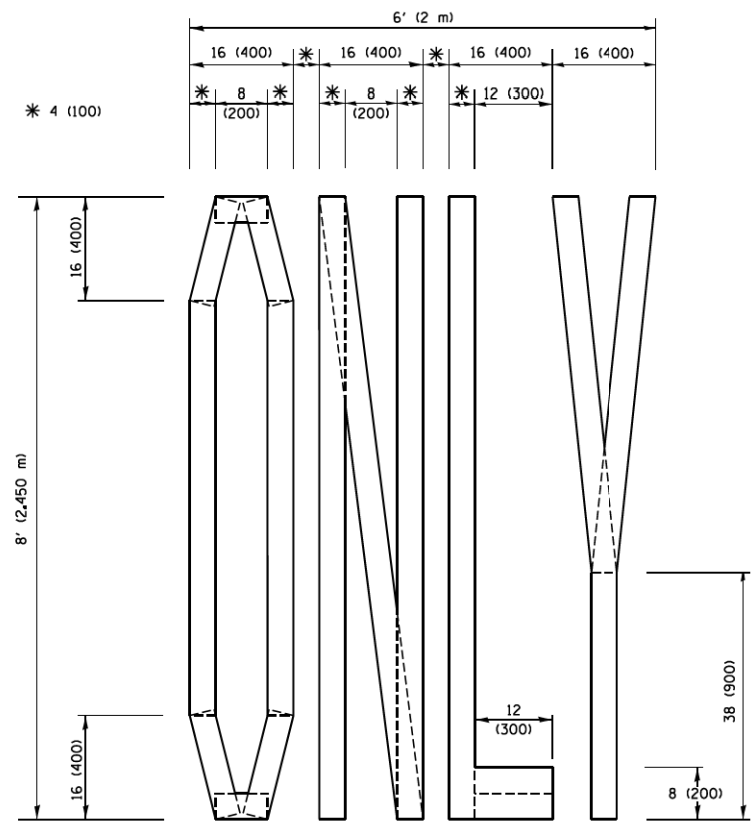
DETAIL A

All dimensions are in inches (millimeters) unless otherwise shown.

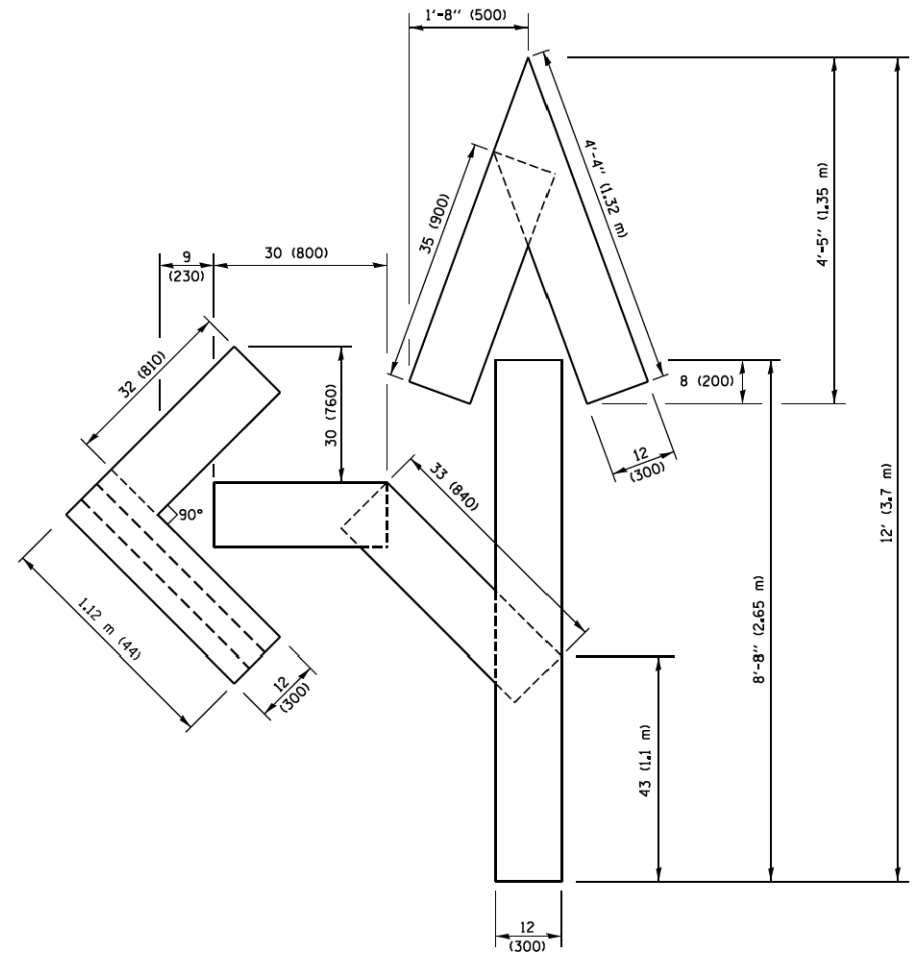
FILE NAME =	USER NAME = foatemj	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default	PLOT SCALE = 50.0000 / 1 in.	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16			336	06-00329-00-ES	MCHENRY	1751	719
	PLOT DATE = 9/15/2016	REVISED - T. RAMMACHER 01-06-00	REVISED -			TC-14		CONTRACT NO. 61E53		<small>ILLINOIS FED. AID PROJECT</small>



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.41 sq. m)

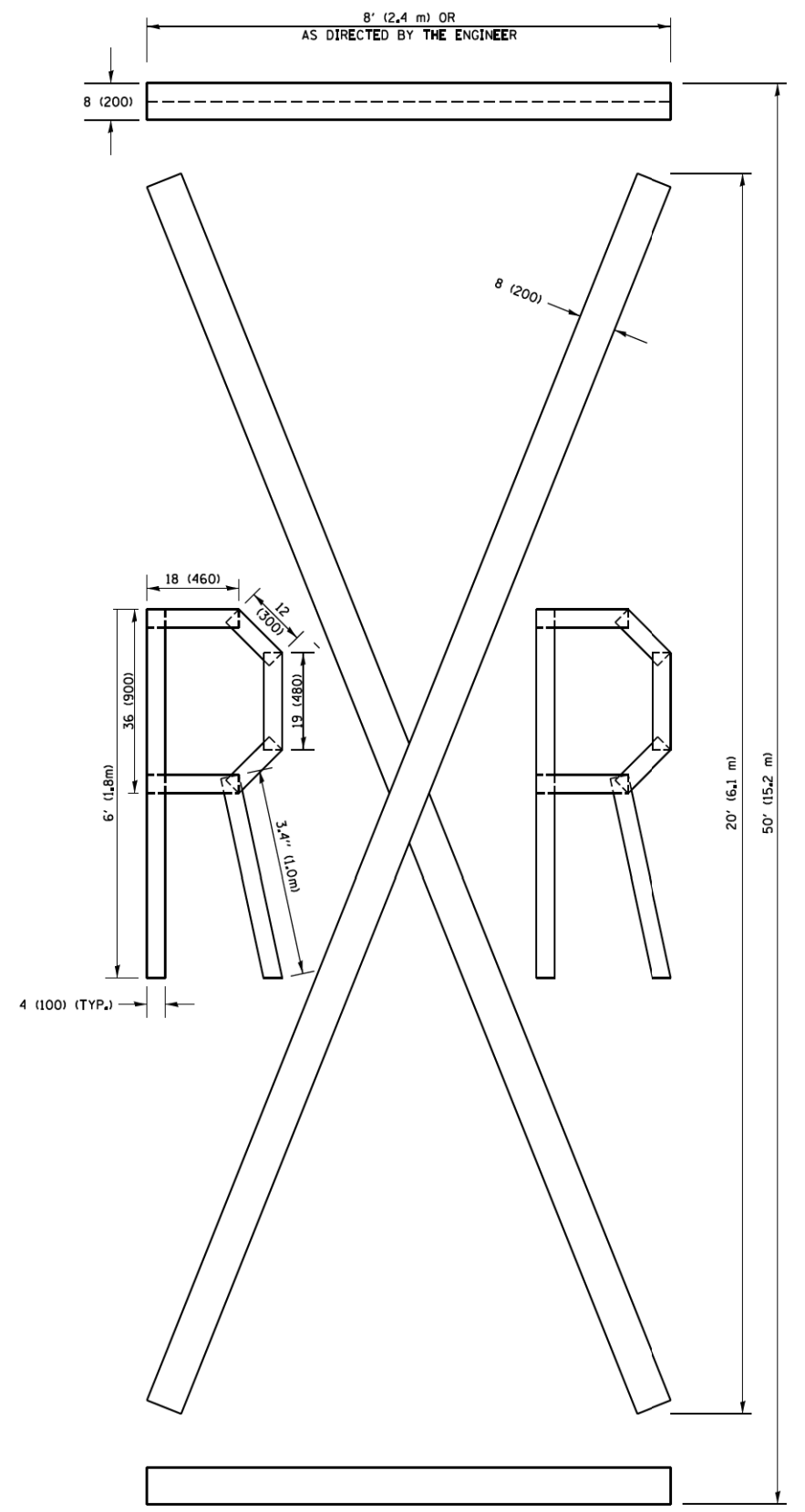


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.1 m)
 27.5 sq. ft. (2.53 sq. m)

NOTE:
 ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY
 4 (100) LINE = 225.9 ft. (68.9 m)
 75.3 sq. ft. (6.99 sq. m)

All dimensions are in inches (millimeters) unless otherwise shown.

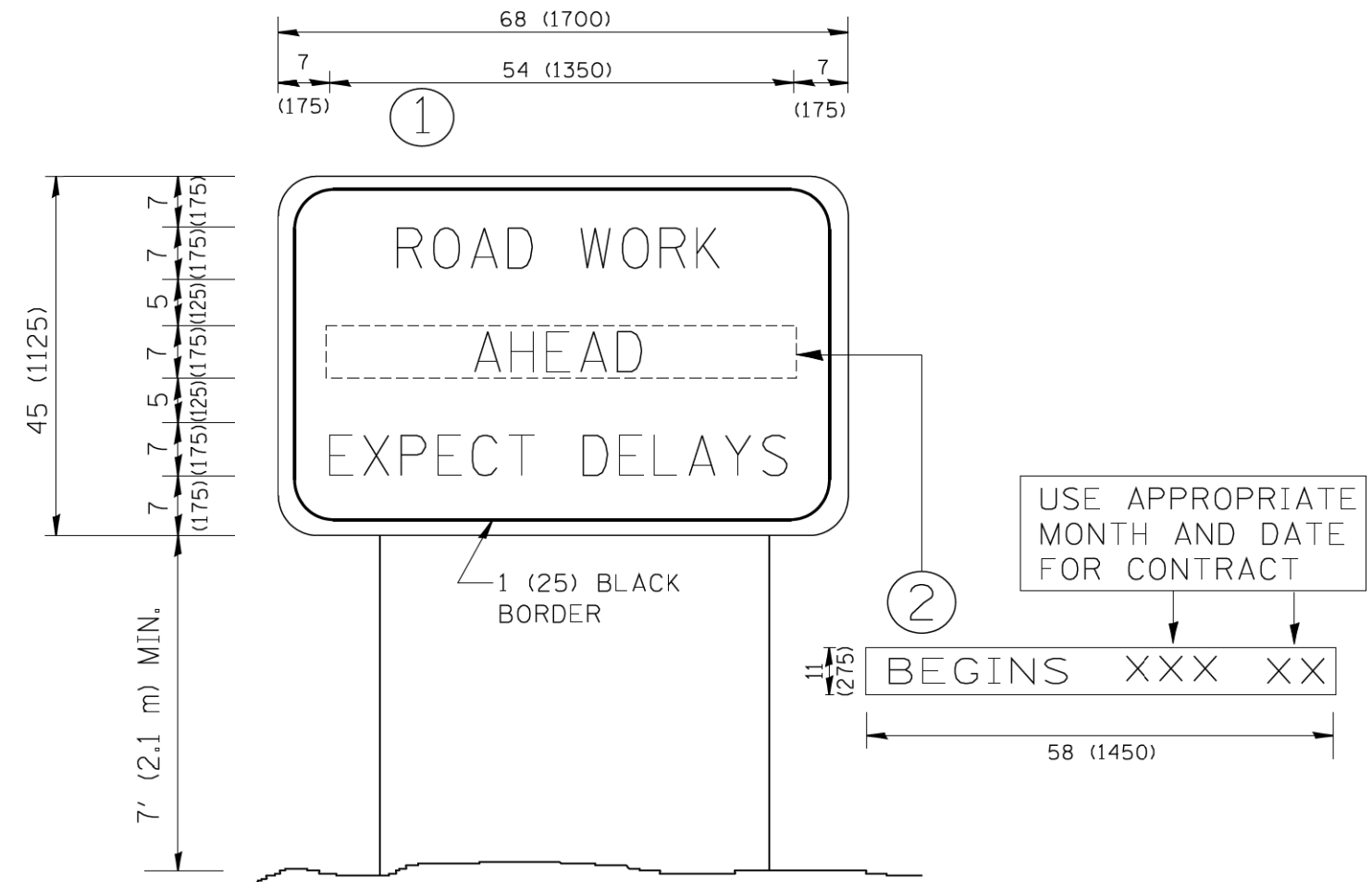
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PLOT DATE = 9/15/2016	DATE = 09-18-94	DATE = 09-18-94	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.
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F.A.P. RTE. 336	SECTION 06-00329-00-ES	COUNTY MCHENRY	TOTAL SHEETS 1751	SHEET NO. 720
TC-16		CONTRACT NO. 61E53		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

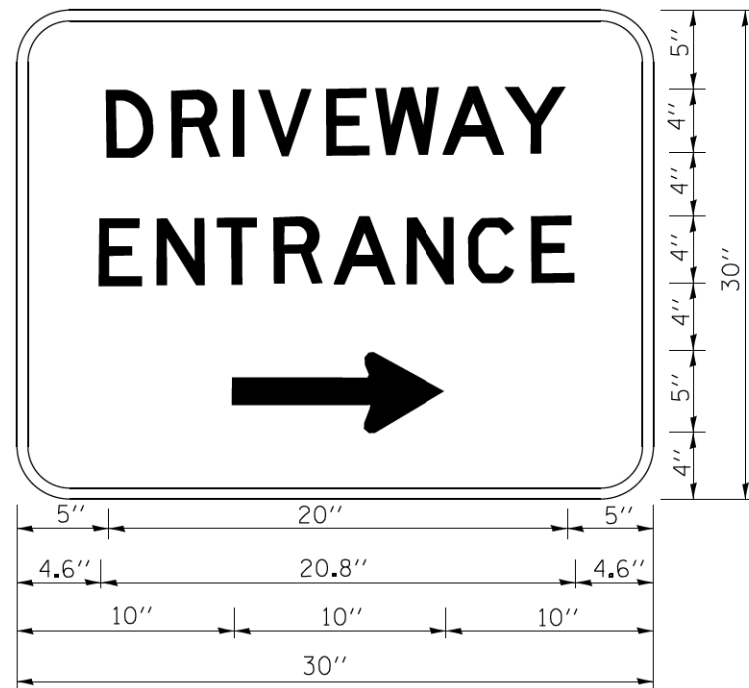
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PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99	REVISED - C. JUCIUS 01-31-07
PLOT DATE = 1/4/2008	DATE -		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ARTERIAL ROAD
INFORMATION SIGN**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 336	SECTION 06-00329-00-ES	COUNTY MCHENRY	TOTAL SHEETS 1751	SHEET NO. 721
TC-22			CONTRACT NO. 61E53	
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE
 PLACED BACK-TO-BACK; ONE WITH A RIGHT HAND ARROW (SHOWN)
 SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY
 AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE
 FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

FILE NAME =	USER NAME = geglienobt	DESIGNED -	REVISED - C. JUCIUS 02-15-07
cc:\pw\work\p\dot\geglienobt\d0108315\to26.dgn	DINNINN-sh1-33.dgn	DRAWN -	REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

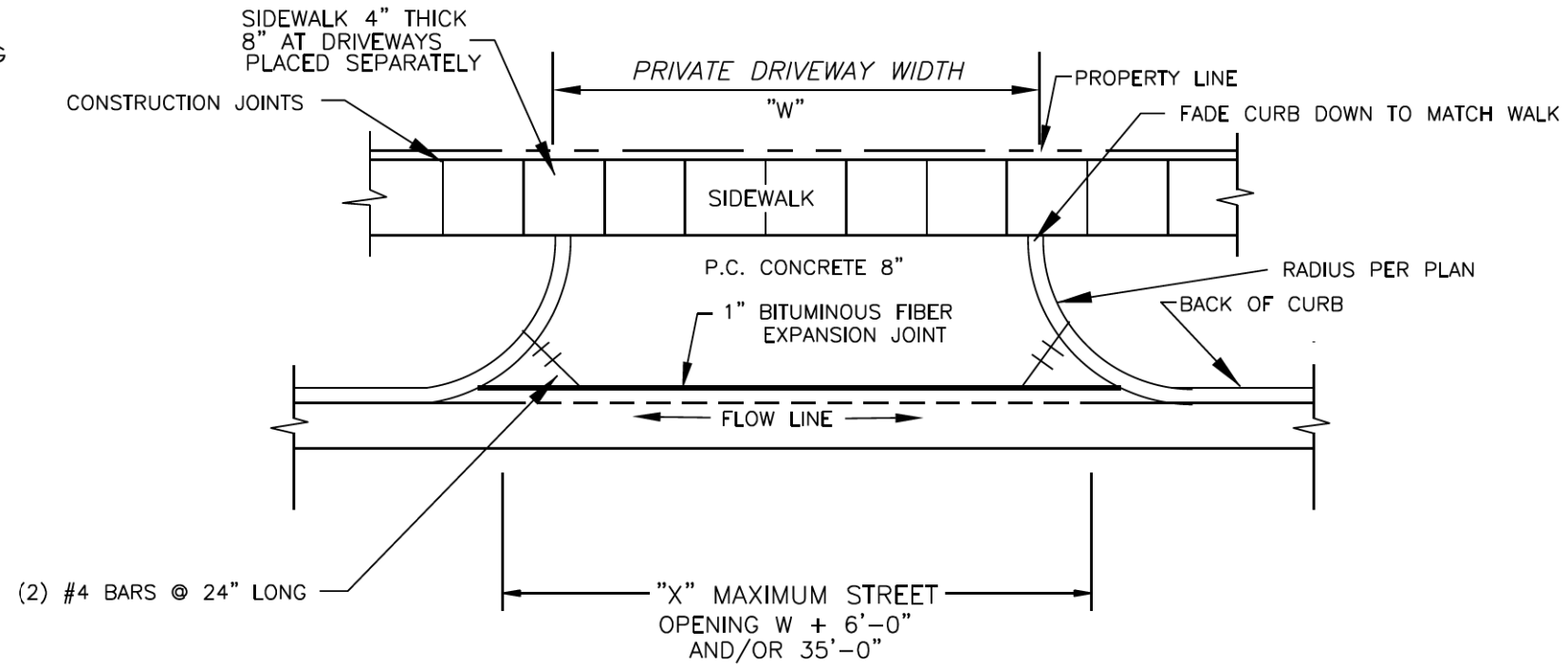
DRIVEWAY ENTRANCE SIGNING

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-00-ES	MCHENRY	1751	722
TC-26			CONTRACT NO. 61E53	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



VILLAGE OF ALGONQUIN
 PUBLIC WORKS DEPARTMENT
 110 MEYER DRIVE
 ALGONQUIN, IL 60102-2442
 PH: 847-658-2754
 FX: 847-658-2759
 WWW.ALGONQUIN.ORG



1. PORTLAND CEMENT CONCRETE SHALL CONFORM TO IDOT CLASS PV, 3500 PSI @ 14 DAYS, SLUMP 3", AND 6% AIR ENTRAINMENT.
2. CONSTRUCTION JOINTS SHALL BE PLACED IN A UNIFORM MANNER THAT ALLOWS NO SINGLE SLAB TO BE MORE THAN A 10' X 10' SECTION.
3. WHERE THE PROPOSED ENTRANCE IS FRONTED BY BARRIER CURB OR THERE IS A DESIRE TO CHANGE A PORTION OF THE EXISTING CURB AND GUTTER CROSS SECTION, THE HEAD OF THE CURB SHALL BE REMOVED BY SAWCUT. TRANSITION FROM FULL TO DEPRESSED CURB SHALL BE ACCOMPLISHED IN A MINIMUM OF ONE LINEAL FOOT.
4. A MINIMUM OF FOUR (4) INCHES OF CA-6, TYPE B MUST BE PLACED AND COMPACTED PRIOR TO CONCRETE PLACEMENT.

COMMERCIAL / INDUSTRIAL APRON

Village of Algonquin Specifications & Details Guide

Drawn By: CBBEL

Revision Date 4/8/2015

Approved By: Shawn M. Hurtig

Effective Date 05/01/2015



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FILENAME = D:\NNNNN-sht-RD-V0A.dgn	DRAWN - MKW	REVISED -
PLOT SCALE = 1/8" = 1'-0"	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

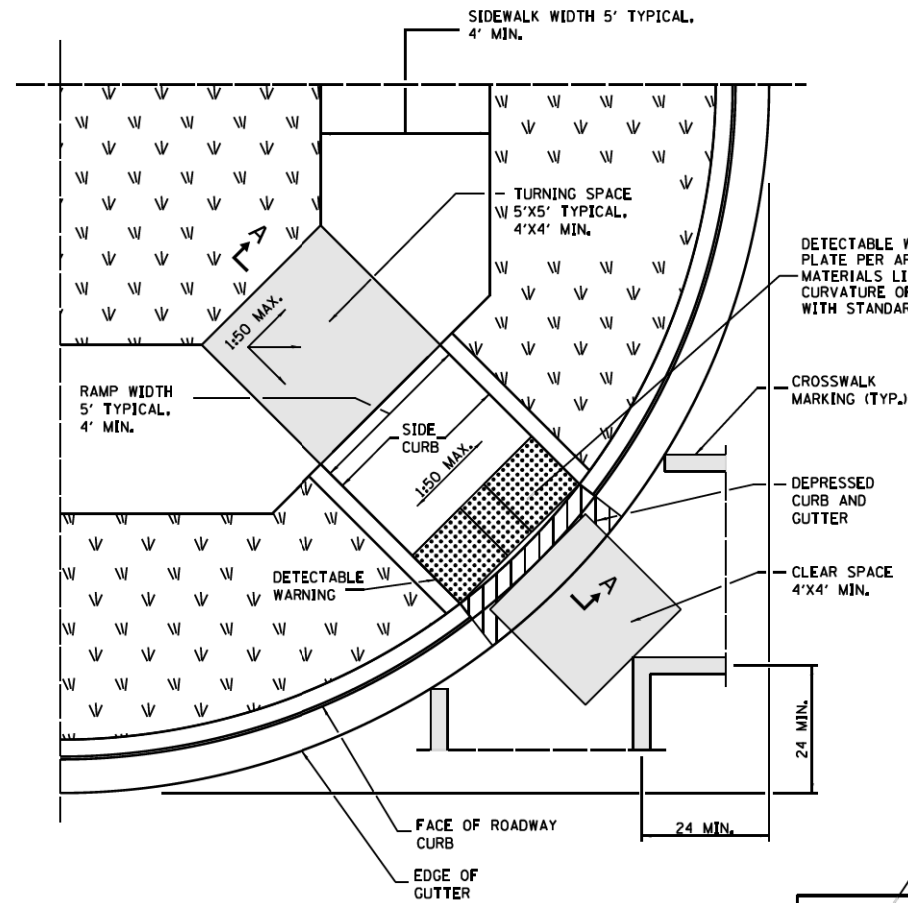
VILLAGE OF ALGONQUIN
 ROADWAY DETAILS

SCALE: NONE SHEET 1 OF 6 SHEETS

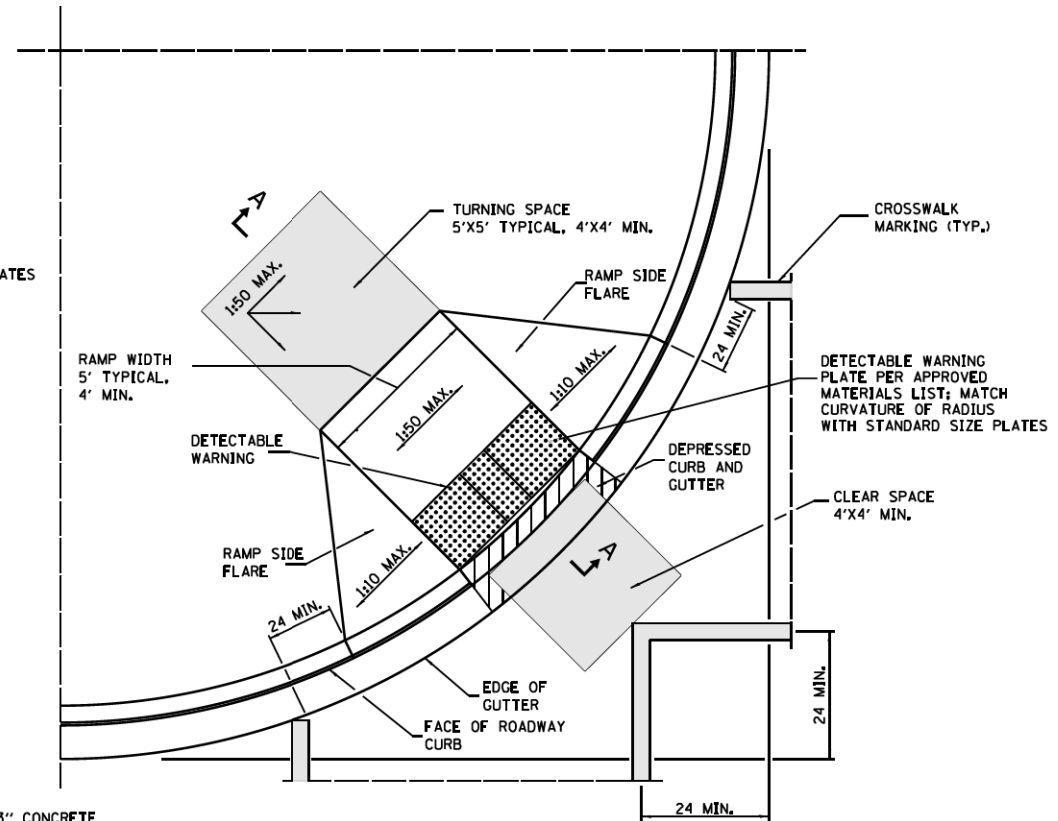
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ILLINOIS FED. AID PROJECT				



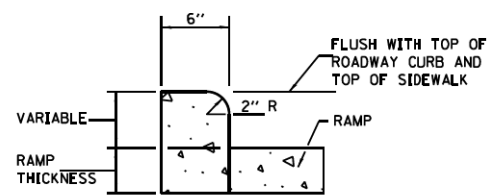
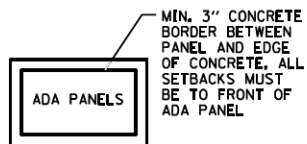
VILLAGE OF ALGONQUIN
 PUBLIC WORKS DEPARTMENT
 110 MEYER DRIVE
 ALGONQUIN, IL 60102-2442
 PH: 847-658-2754
 FX: 847-658-2759
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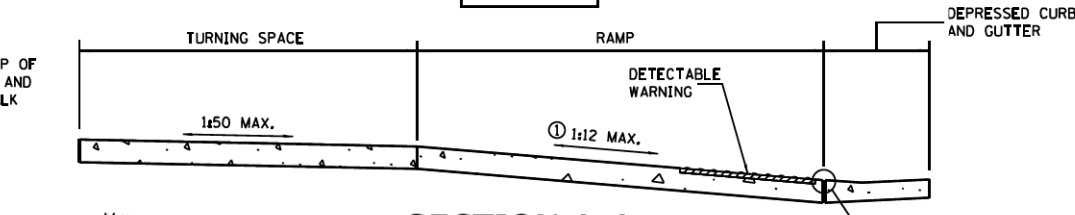
RAMP IN LANDSCAPED AREA



RAMP IN PAVED AREA

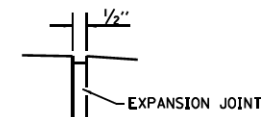


SIDE CURB DETAIL



SECTION A-A

① THE RUNNING SLOPE OF THE CURB RAMP SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15'.



DETAIL A

NOTES

1. THIS STANDARD SHALL ONLY BE USED FOR CURB RADII OF 20 FT. OR GREATER.
2. WHERE THE TURNING SPACE IS CONSTRAINED ON A SIDE OPPOSITE A RAMP, THE MINIMUM LENGTH OF THE TURNING SPACE IN THE DIRECTION OF THE RAMP-RUN SHALL BE 5'.
3. WHERE 1:50 MAXIMUM SLOPE IS SHOWN, 1:64 IS PREFERRED.
4. ALL SLOPE RATIOS ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V/H).
5. SEE VOA APPROVED PRODUCTS LIST FOR MFG & MODEL #S

DIAG. CURB RAMPS FOR SIDEWALKS

Village of Algonquin Specifications & Details Guide

Drawn By: CBBEL

Revision Date 4/8/2015

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Effective Date 05/01/2015



USER NAME = mrc1ss	DESIGNED - WBL	REVISED -
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PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

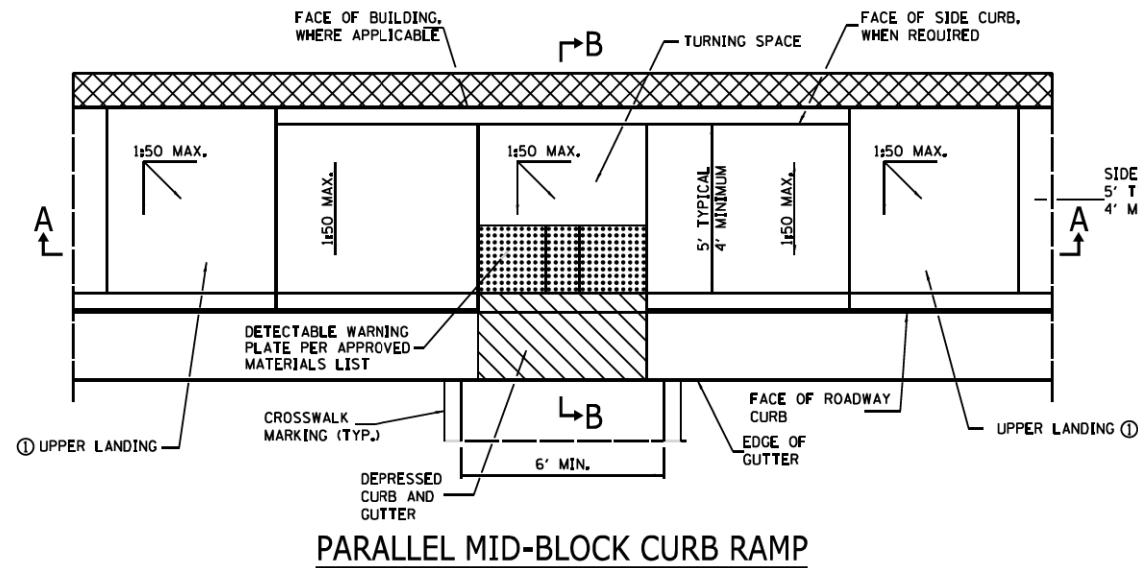
VILLAGE OF ALGONQUIN
 ROADWAY DETAILS

SCALE: NONE SHEET 2 OF 6 SHEETS

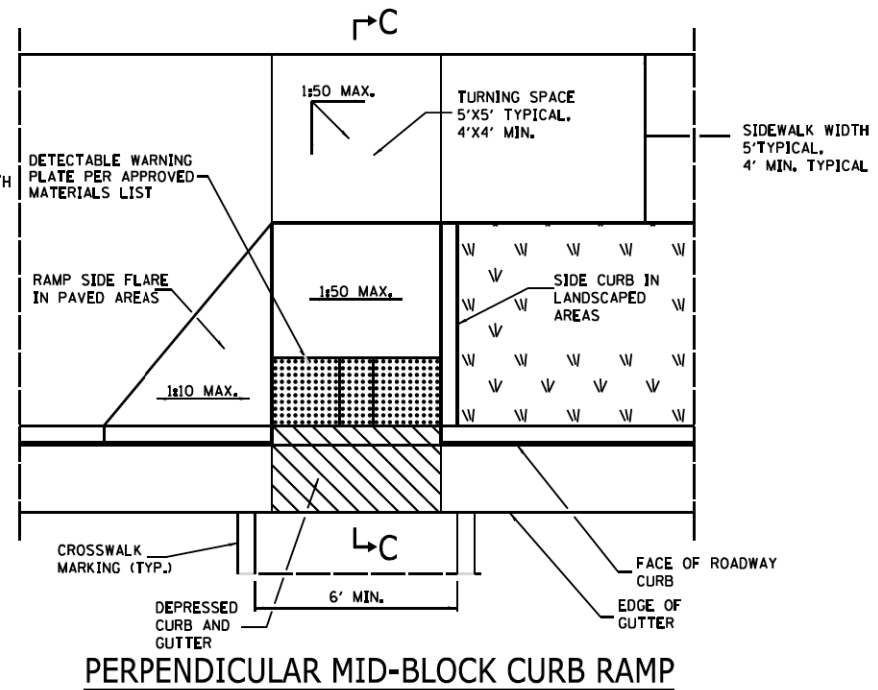
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			CONTRACT NO.	61E53
ILLINOIS FED. AID PROJECT				



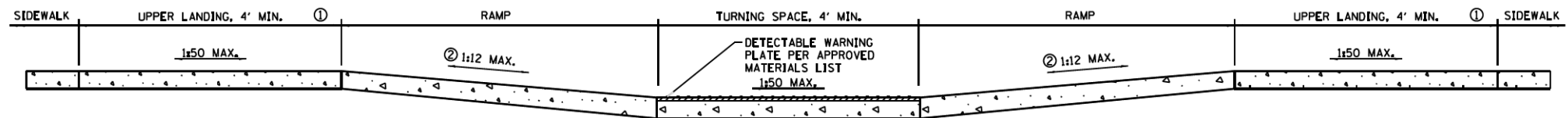
VILLAGE OF ALGONQUIN
 PUBLIC WORKS DEPARTMENT
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 ALGONQUIN, IL 60102-2442
 PH: 847-658-2754
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PARALLEL MID-BLOCK CURB RAMP

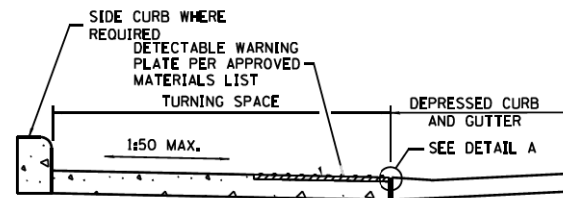


PERPENDICULAR MID-BLOCK CURB RAMP

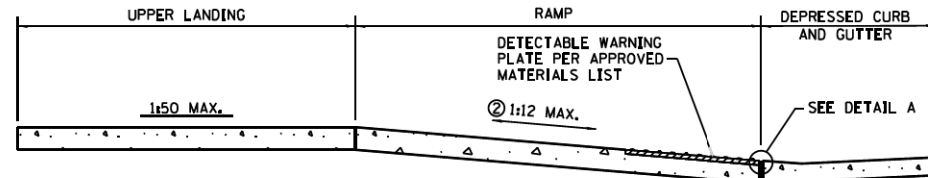


SECTION A-A

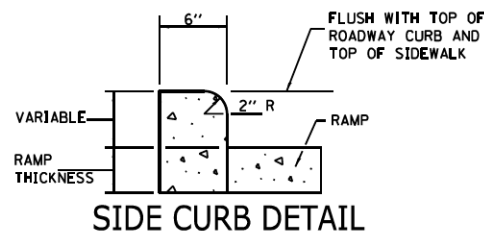
- ① UPPER LANDING(S) NOT REQUIRED FOR RAMP SLOPES FLATTER THAN 1:20.
- ② THE RUNNING SLOPE OF THE CURB RAMP SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15'.



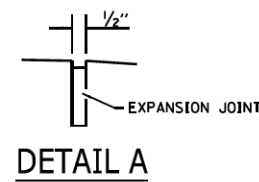
SECTION B-B



SECTION C-C



SIDE CURB DETAIL



DETAIL A

NOTES

1. ALL SLOPE RATIOS ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V/H).
2. WHERE THE TURNING SPACE IS CONSTRAINED ON A SIDE OPPOSITE A RAMP, THE MINIMUM LENGTH OF THE TURNING SPACE IN THE DIRECTION OF THE RAMP-RUN SHALL BE 5'.
3. WHERE 1:50 MAXIMUM SLOPE IS SHOWN, 1:64 IS PREFERRED.
4. SEE VOA APPROVED PRODUCTS LIST FOR MFG & MODEL #S

MID-BLOCK CURB RAMPS FOR SIDEWALKS

Village of Algonquin Specifications & Details Guide

Drawn By: CBBEL

Revision Date 4/8/2015

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STATE OF ILLINOIS
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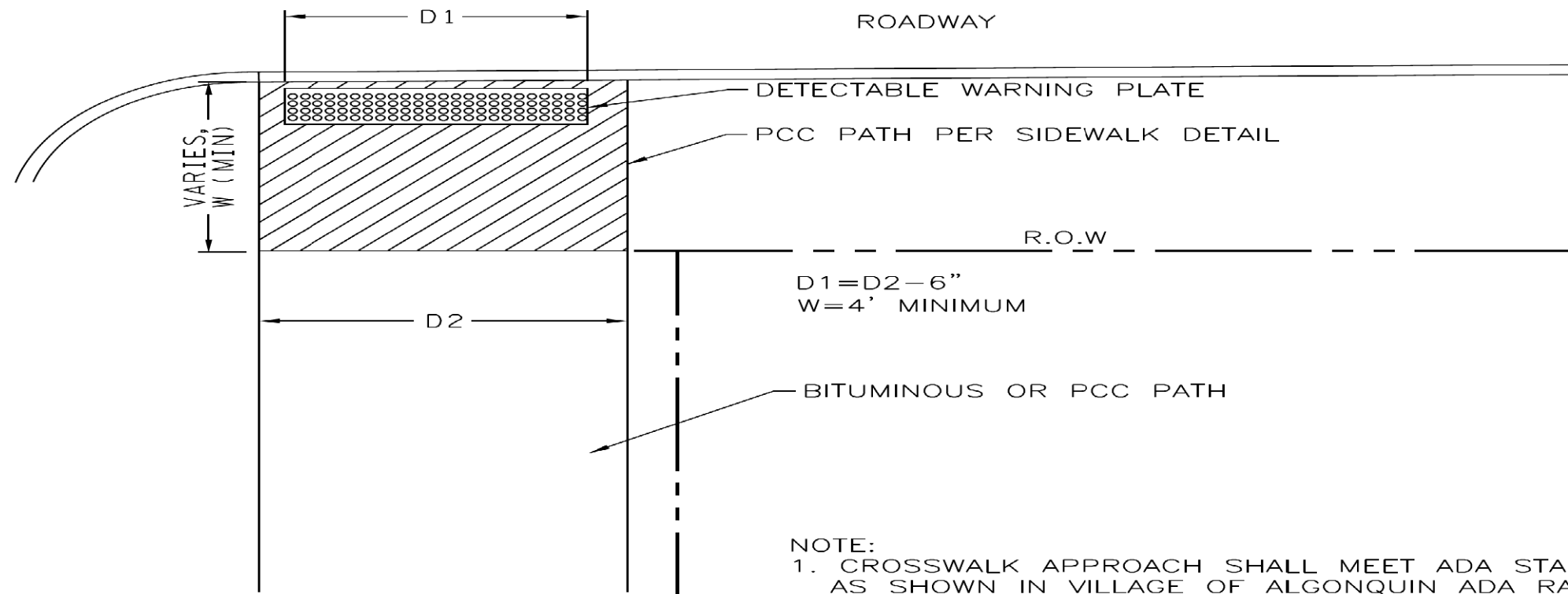
VILLAGE OF ALGONQUIN
 ROADWAY DETAILS

SCALE: NONE SHEET 3 OF 6 SHEETS

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336	06-00329-01-PW	MCHENRY	1751	725
			CONTRACT NO.	61E53
ILLINOIS FED. AID PROJECT				



VILLAGE OF ALGONQUIN
 PUBLIC WORKS DEPARTMENT
 110 MEYER DRIVE
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 PH: 847-658-2754
 FX: 847-658-2759
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- NOTE:
 1. CROSSWALK APPROACH SHALL MEET ADA STANDARD AS SHOWN IN VILLAGE OF ALGONQUIN ADA RAMP DETAILS.
 2. D1 = D2 - 6"; W = 4' (MINIMUM)

MULTI USE PATH ROADWAY CROSSING	
Village of Algonquin Specifications & Details Guide	
Drawn By: CBBEL	Revision Date 4/8/2015
Approved By: Shawn M. Hurtig	Effective Date 05/01/2015



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

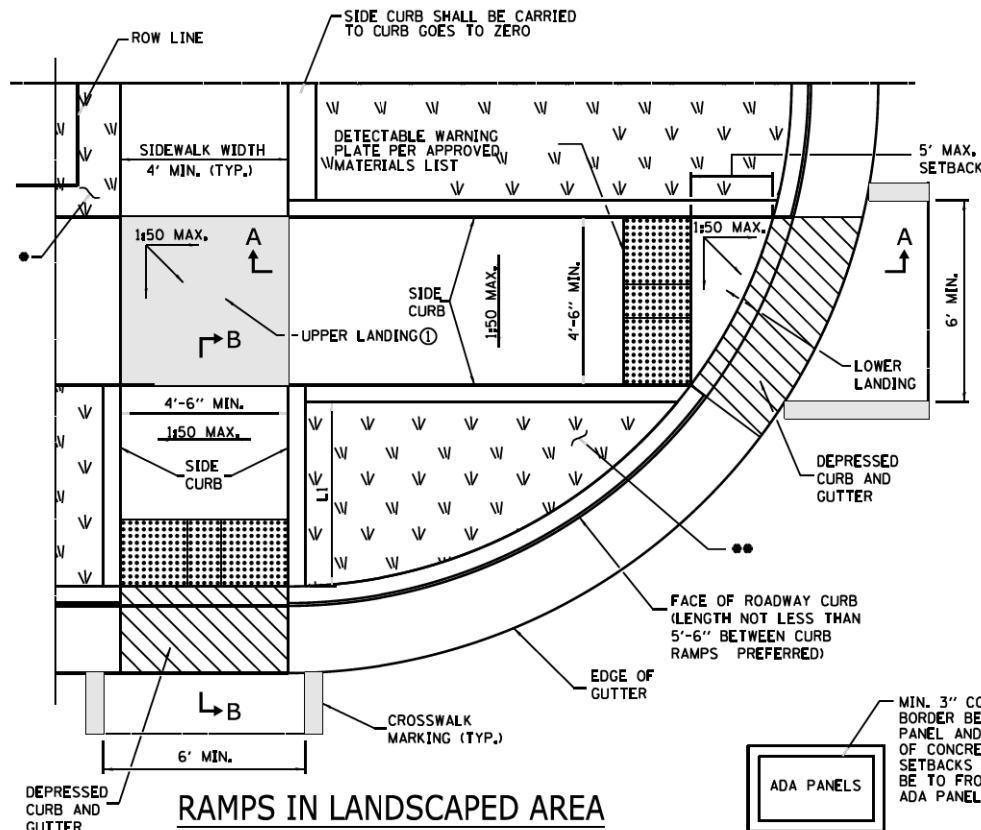
VILLAGE OF ALGONQUIN
 ROADWAY DETAILS

SCALE: NONE SHEET 4 OF 6 SHEETS

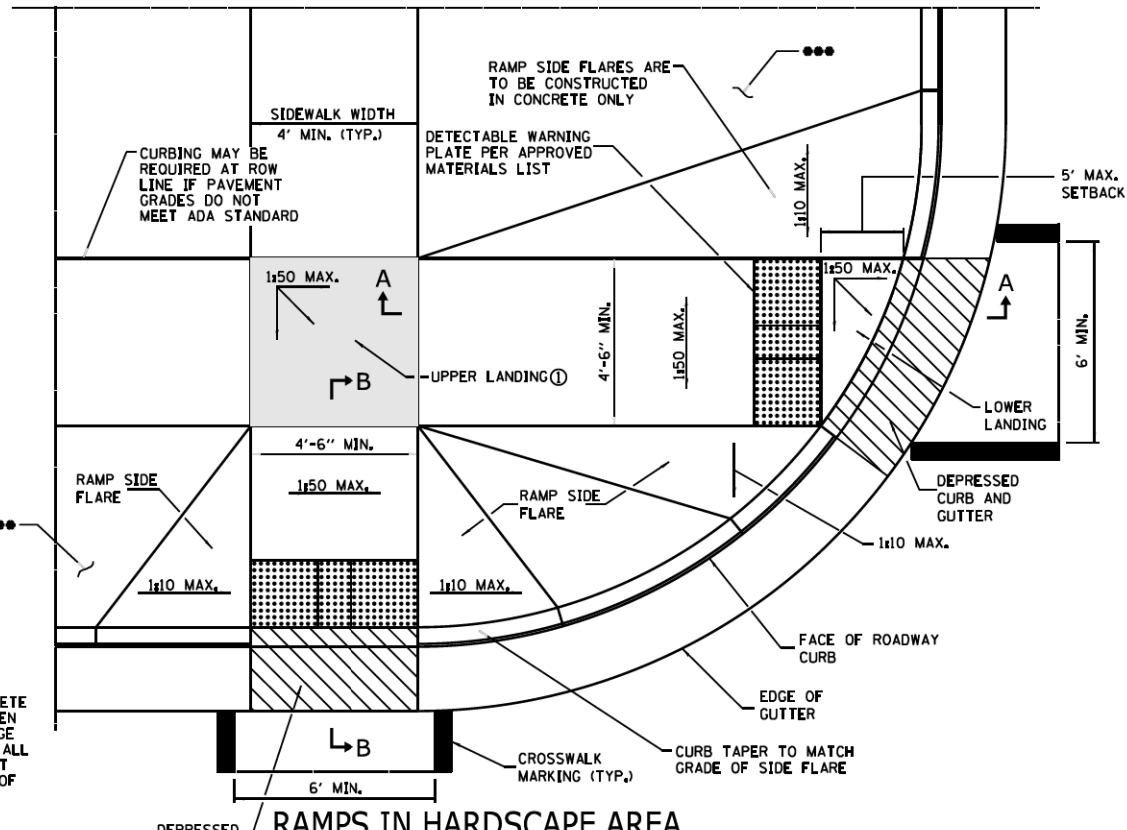
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E53	



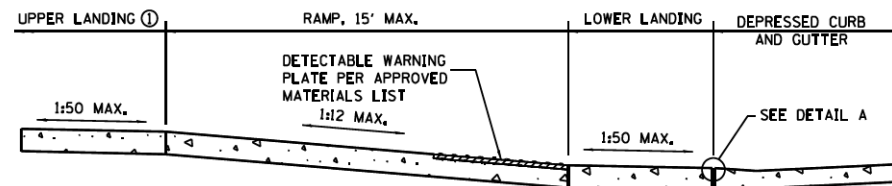
VILLAGE OF ALGONQUIN
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RAMP IN LANDSCAPED AREA
 SETBACK ≤ 5'

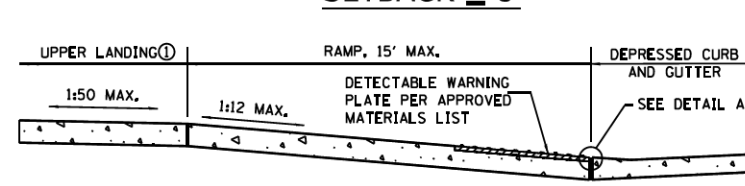


RAMP IN HARDSCAPE AREA
 SETBACK ≤ 5'



SECTION A-A

① UPPER LANDING NOT REQUIRED FOR RAMP SLOPES FLATTER THAN 1:20.



SECTION B-B

① UPPER LANDING NOT REQUIRED FOR RAMP SLOPES FLATTER THAN 1:20.

NOTES

- ALL SLOPE RATIOS ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V:H).
- WHERE 1:50 MAXIMUM SLOPE IS SHOWN, 1:64 IS PREFERRED.
- SEE VOA APPROVED PRODUCTS LIST FOR MFG & MODEL *S

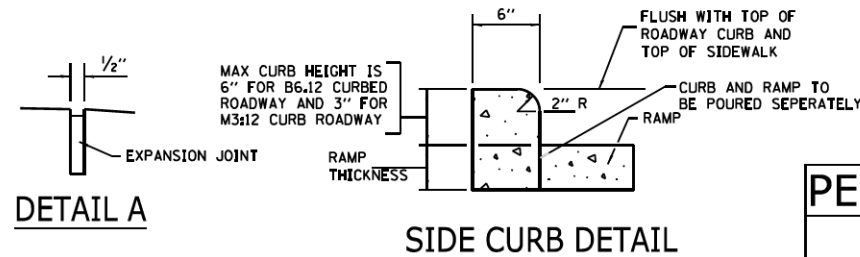
● IF GRADING EXCEEDS 3:1 FROM WALK TO ROW THEN INSTALL BACK OF WALK SIDE CURB. IF GRADE FROM TOP OF BACK OF WALK CURB TO ROW EXCEEDS 3:1 THEN A TEMPORARY EASEMENT IS REQUIRED FOR GRADING.

● TRAPPED MATERIAL MUST BE:

L1 LENGTH	TOPSOIL & SEED		BRICK PAVER	
	B6:12	M3:12	B6:12	M3:12
3 FT OR LESS			X	X
3 - 6 FEET		X	X	
6 - 9+ FEET	X		X	

MUST HAVE MOWER ACCESS (3' WIDE UNCURRED AREA FROM SIDEWALK TO TRAPPED MATERIAL) IN ALL CASES IN ORDER FOR TOPSOIL & SEED TO BE INSTALLED, OTHERWISE BRICK PAVERS ARE REQUIRED.

●●● WHEN ADJACENT HARDSCAPE IS BRICK PAVER, RAMP AND SIDE FLARE TO BE CONSTRUCTED IN CONCRETE.



DETAIL A

SIDE CURB DETAIL

PERP. CURB RAMPS FOR SIDEWALKS 1 OF 2

Village of Algonquin Specifications & Details Guide

Drawn By: CBBEL

Revision Date 4/8/2015

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

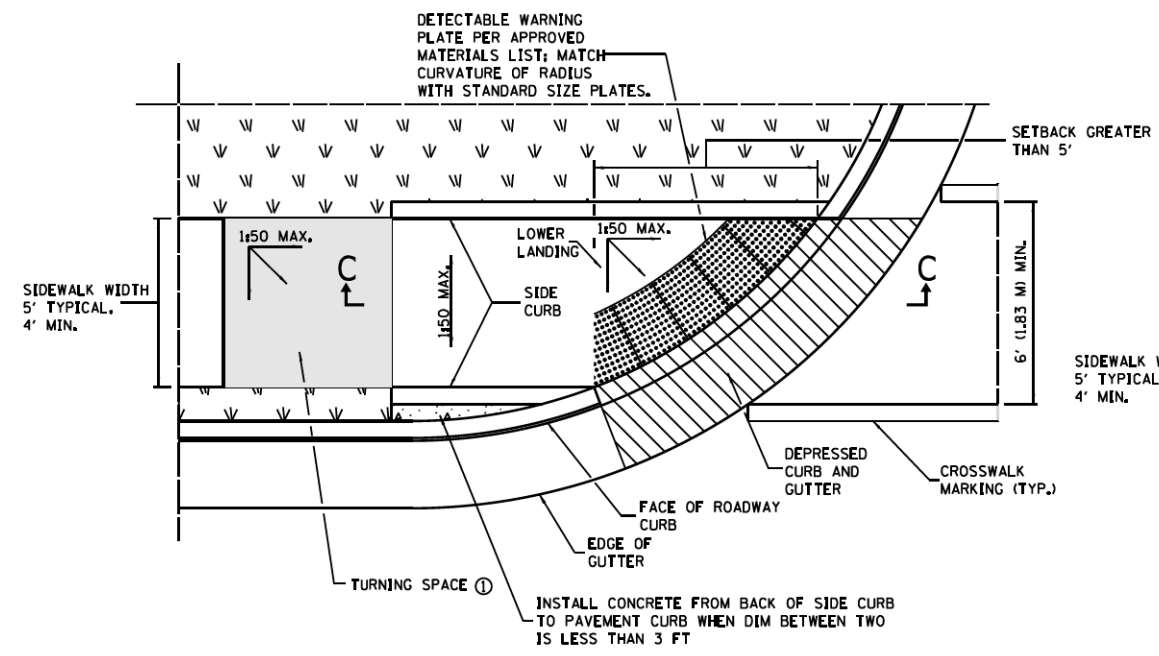
VILLAGE OF ALGONQUIN
 ROADWAY DETAILS

SCALE: NONE SHEET 5 OF 6 SHEETS

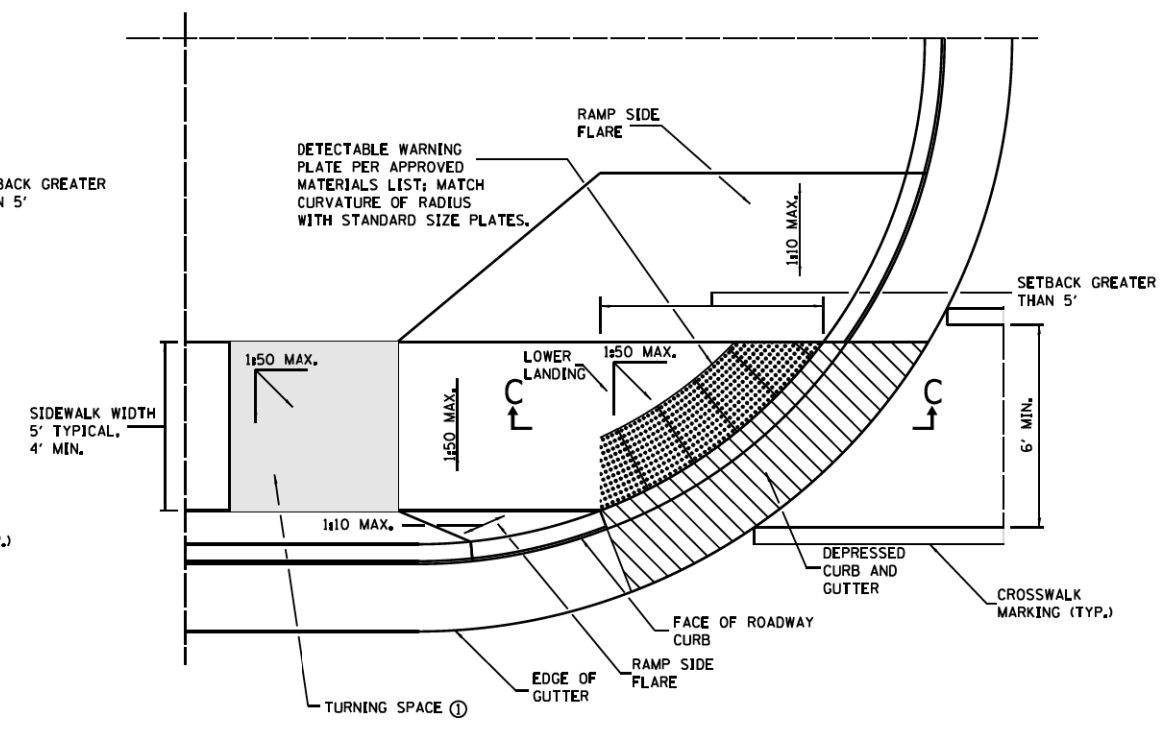
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			CONTRACT NO.	61E53
ILLINOIS FED. AID PROJECT				



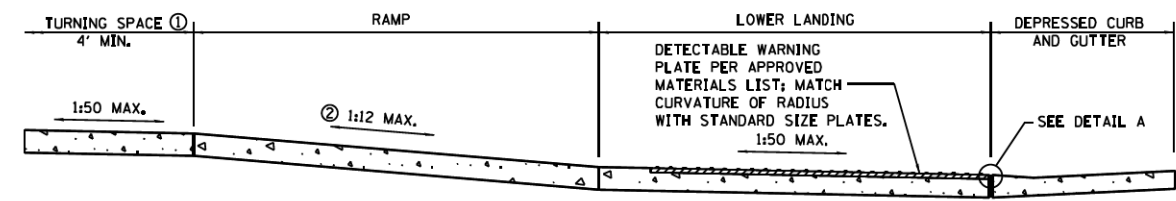
VILLAGE OF ALGONQUIN
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 110 MEYER DRIVE
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 PH: 847-658-2754
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**RAMP IN LANDSCAPED AREA
 SETBACK > 5'**



RAMP IN PAVED AREA *
 SETBACK > 5'**



SECTION C-C

- ① TURNING SPACE NOT REQUIRED FOR RAMP SLOPES FLATTER THAN 1:20.
- ② THE RUNNING SLOPE OF THE CURB RAMP SHALL NOT REQUIRE THE RAMP LENGTH TO EXCEED 15'.

GENERAL NOTES

1. ALL SLOPE RATIOS ARE EXPRESSED AS UNITS OF VERTICAL DISPLACEMENT TO UNITS OF HORIZONTAL DISPLACEMENT (V/H).
 2. WHERE THE TURNING SPACE IS CONSTRAINED ON A SIDE OPPOSITE A RAMP, THE MINIMUM LENGTH OF THE TURNING SPACE IN THE DIRECTION OF THE RAMP-RUN SHALL BE 5'.
 3. WHERE 1:50 MAXIMUM SLOPE IS SHOWN, 1:64 IS PREFERRED.
 4. SEE VOA APPROVED PRODUCTS LIST FOR MFG & MODEL #S.
- *** WHEN ADJACENT HARDSCAPE IS BRICK PAVEMENT, RAMP AND SIDE FLARE TO BE CONSTRUCTED IN CONCRETE.

PERP. CURB RAMPS FOR SIDEWALKS 2 OF 2	
Village of Algonquin Specifications & Details Guide	
Drawn By: CBBEL	Revision Date 4/8/2015
Approved By: Shawn M. Hurtig	Effective Date 05/01/2015



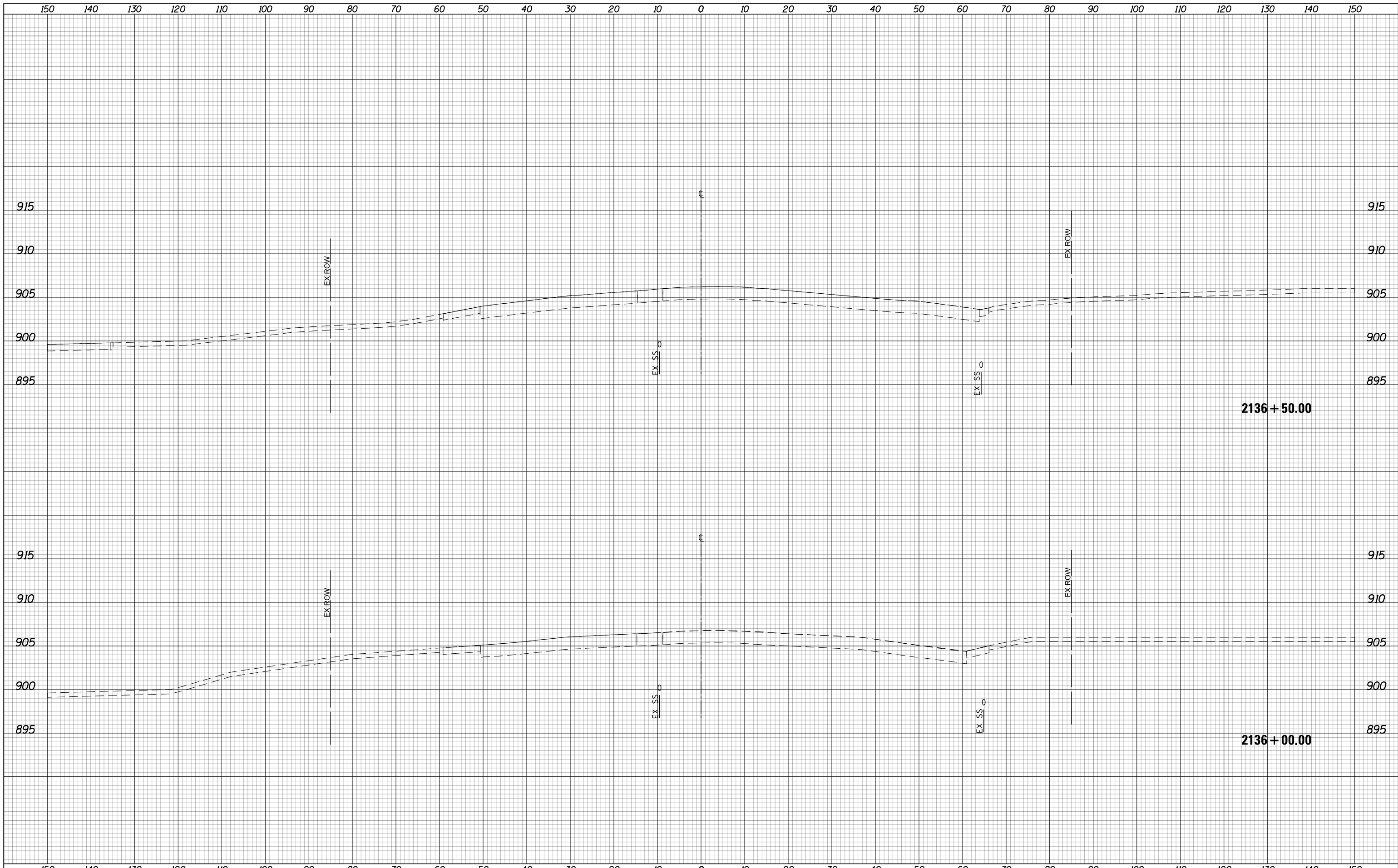
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

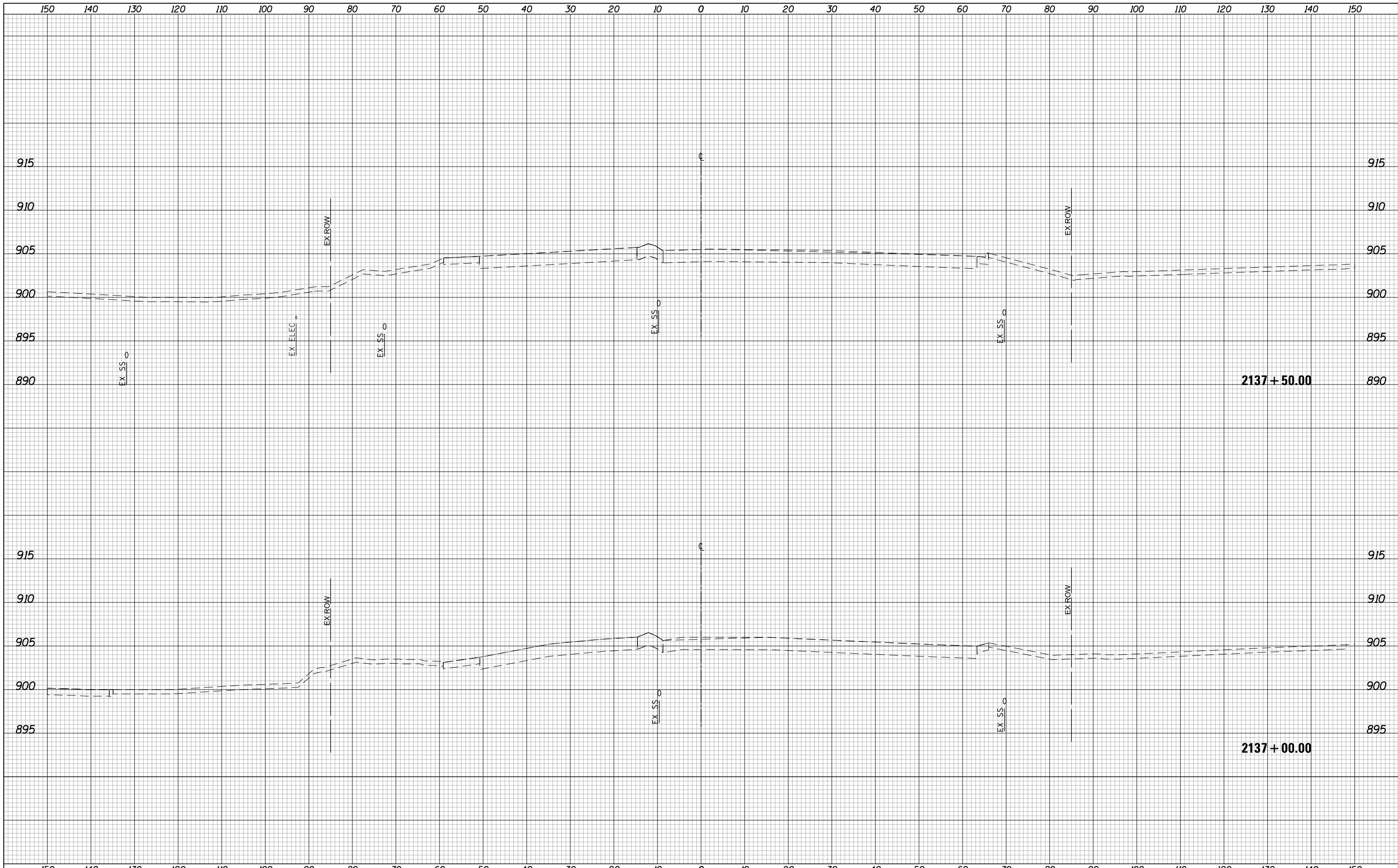
**VILLAGE OF ALGONQUIN
 ROADWAY DETAILS**

SCALE: NONE SHEET 6 OF 6 SHEETS

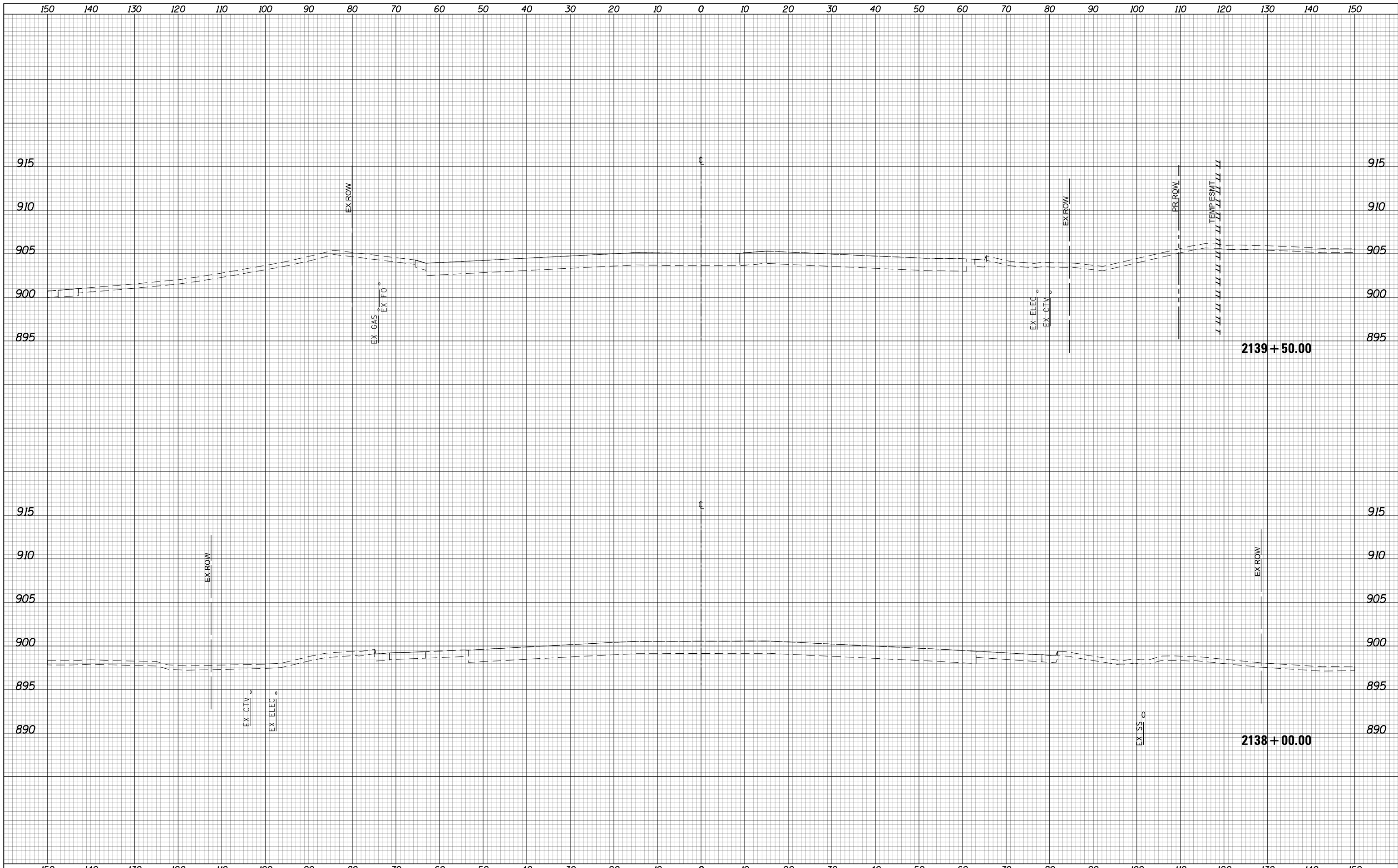
FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	728
			CONTRACT NO.	61E53
ILLINOIS FED. AID PROJECT				



150	140	130	120	110	100	90	80	70	60	50	40	30	20	10	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
USER NAME = btwegner			DESIGNED - WBL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION													RANDALL ROAD PRESTAGE CROSS SECTIONS			FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.					
DRAWN - BTW			REVISED -	336														06-00329-01-PW	MCHENRY	1751	729									
PLOT SCALE = 20.0000' / in.			CHECKED - RCB	REVISED -														CONTRACT NO. 61E53												
PLOT DATE = 4/25/2018			DATE - 4-26-2018	REVISED -														ILLINOIS FED. AID PROJECT												
SCALE: 10 H: 5 V															SHEET 729 OF 1751 SHEETS			STA. 2136+00.00 TO STA. 2136+50.00												



150	140	130	120	110	100	90	80	70	60	50	40	30	20	10	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
USER NAME = btwegner			DESIGNED - WBL	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION													RANDALL ROAD PRESTAGE CROSS SECTIONS				FAP	SECTION	COUNTY	TOTAL	SHEET				
DRAWN - BTW			REVISIED -	336														06-00329-01-PW	MCHENRY	1751	730									
PLOT SCALE = 20.0000' / in.			CHECKED - RCB	REVISIED -														SCALE: 10 H: 5 V				SHEET 730	OF 1751 SHEETS	STA. 2137+00.00	TO STA. 2137+50.00	CONTRACT NO. 61E53				
PLOT DATE = 4/25/2018			DATE - 4-26-2018	REVISIED -																								ILLINOIS FED. AID PROJECT		



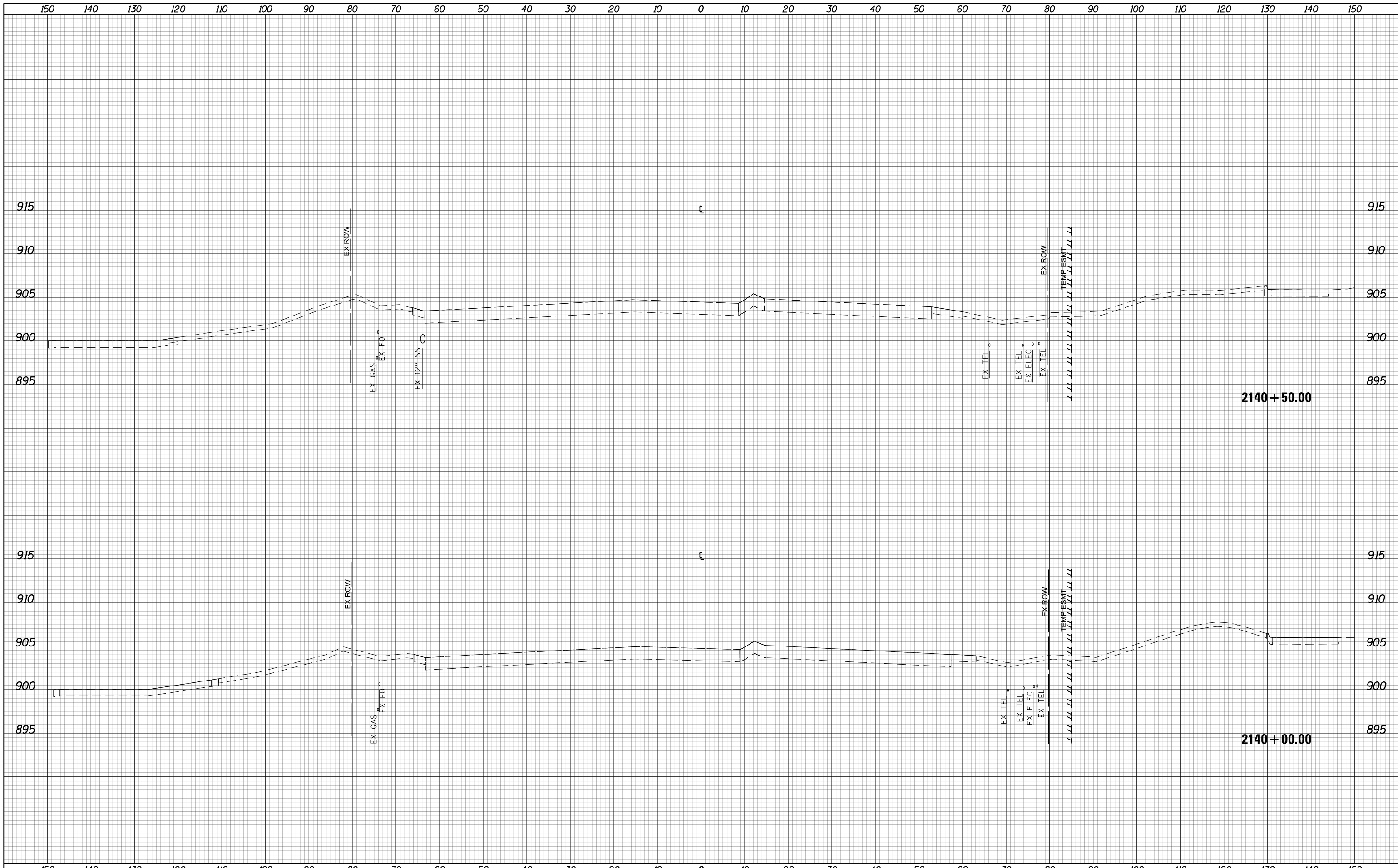
USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

SCALE: 10 H: 5 V SHEET 731 OF 1751 SHEETS STA. 2138+00.00 TO STA. 2139+50.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	731
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				



USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

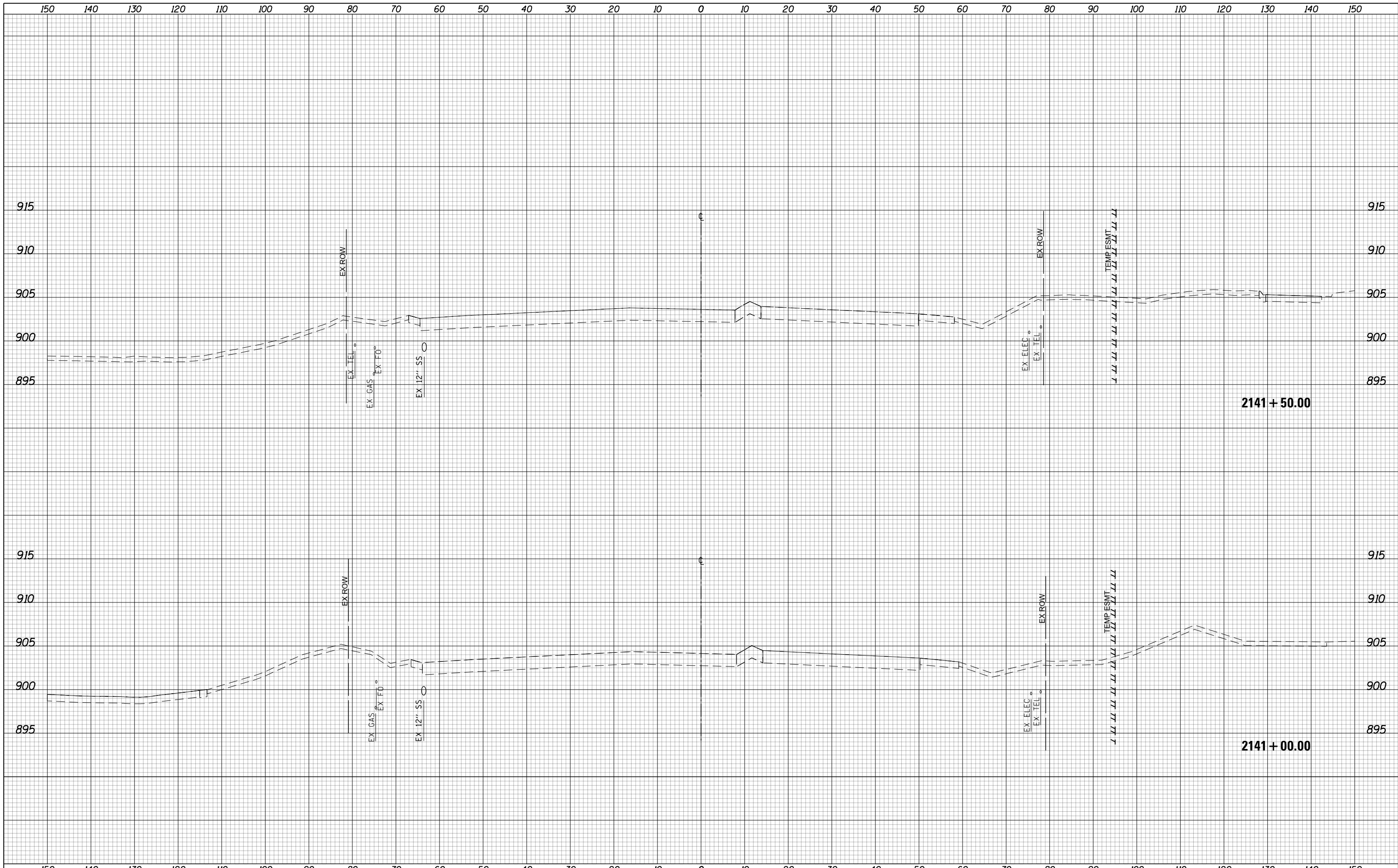
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

SCALE: 10 H: 5 V SHEET 732 OF 1751 SHEETS STA. 2140+00.00 TO STA. 2140+50.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	732
CONTRACT NO.			61E53	

ILLINOIS FED. AID PROJECT



USER NAME = btwegner	DESIGNED - WBL	REVISIED -
	DRAWN - BTW	REVISIED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISIED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISIED -

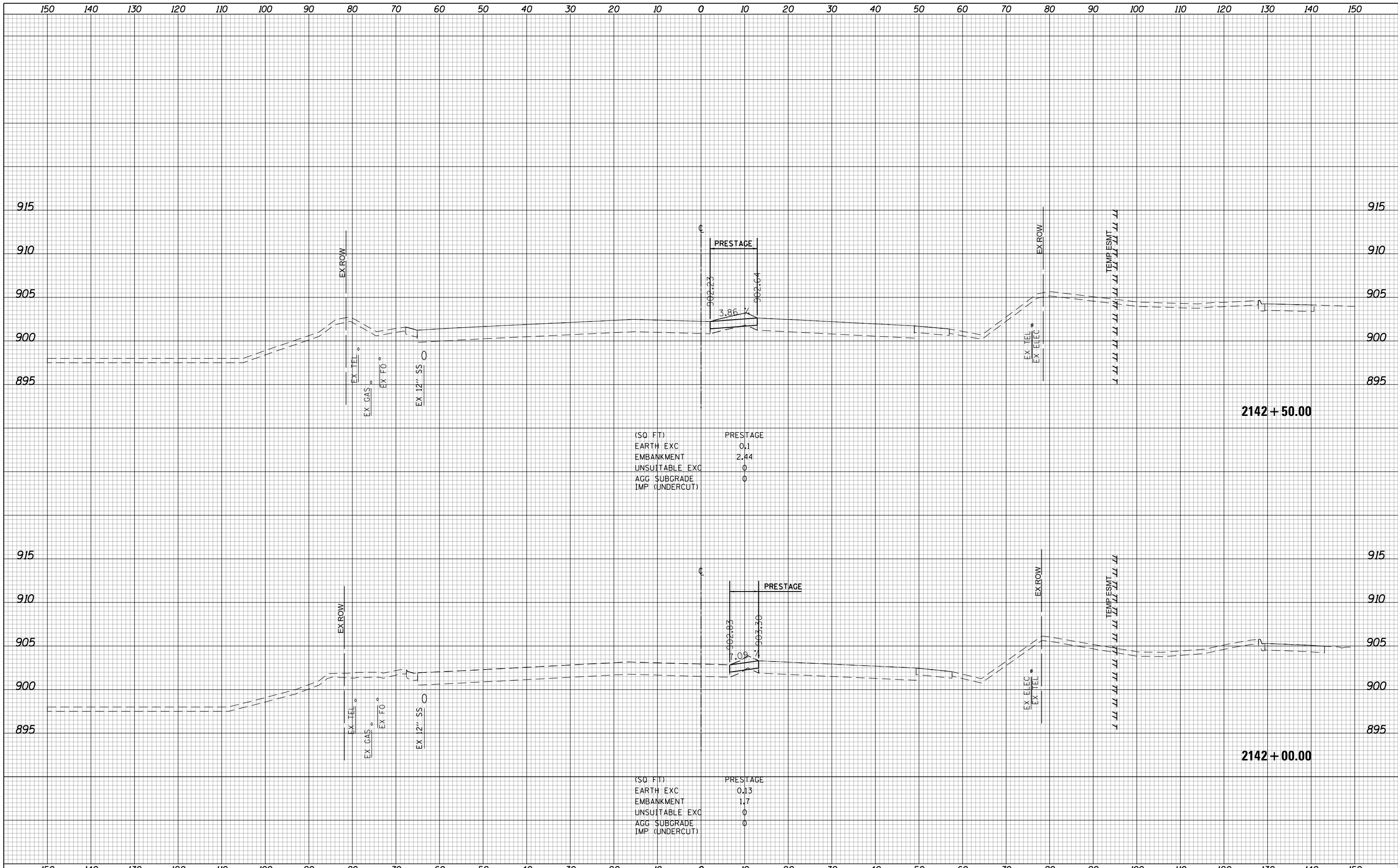
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

SCALE: 10 H: 5 V SHEET 733 OF 1751 SHEETS STA. 2141+00.00 TO STA. 2141+50.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	733
CONTRACT NO.			61E53	

ILLINOIS FED. AID PROJECT



(SQ FT)

PRESTAGE	0.1
EARTH EXC	2.44
EMBANKMENT	0
UNSUITABLE EXC	0
AGG SUBGRADE IMP (UNDERCUT)	0

(SQ FT)

PRESTAGE	0.13
EARTH EXC	1.7
EMBANKMENT	0
UNSUITABLE EXC	0
AGG SUBGRADE IMP (UNDERCUT)	0

USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

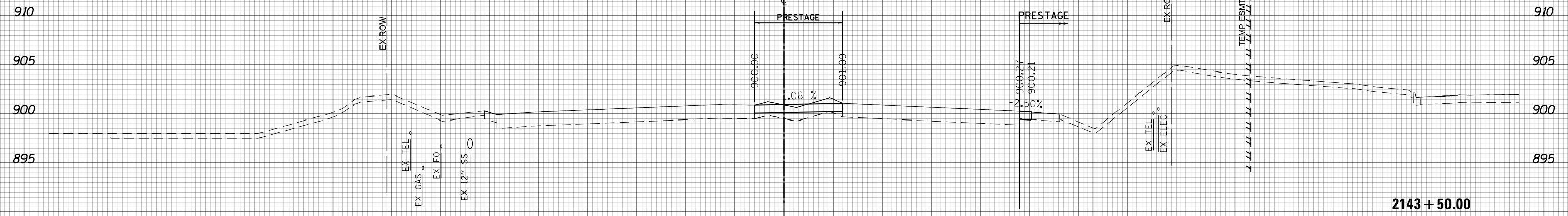
**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

SCALE: 10 H: 5 V SHEET 734 OF 1751 SHEETS STA. 2142+00.00 TO STA. 2142+50.00

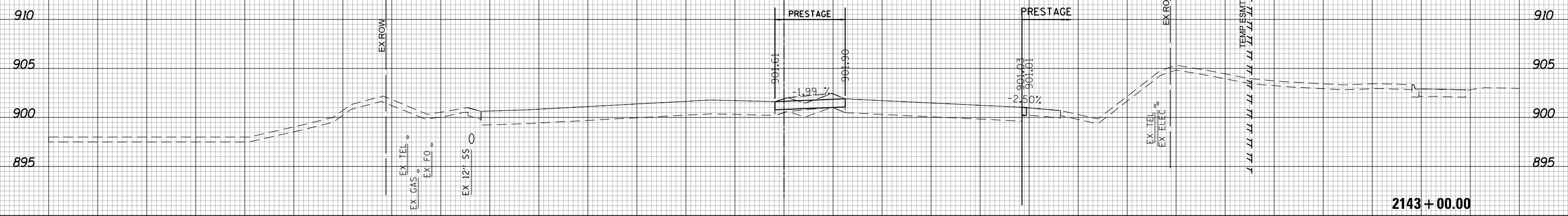
FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	734
CONTRACT NO.			61E53	

ILLINOIS FED. AID PROJECT

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



(SQ FT)	PRESTAGE
EARTH EXC	0.16
EMBANKMENT	8.28
UNSUITABLE EXC	0
AGG SUBGRADE	0
IMP (UNDERCUT)	0



(SQ FT)	PRESTAGE
EARTH EXC	0.07
EMBANKMENT	3.16
UNSUITABLE EXC	0
AGG SUBGRADE	0
IMP (UNDERCUT)	0



USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

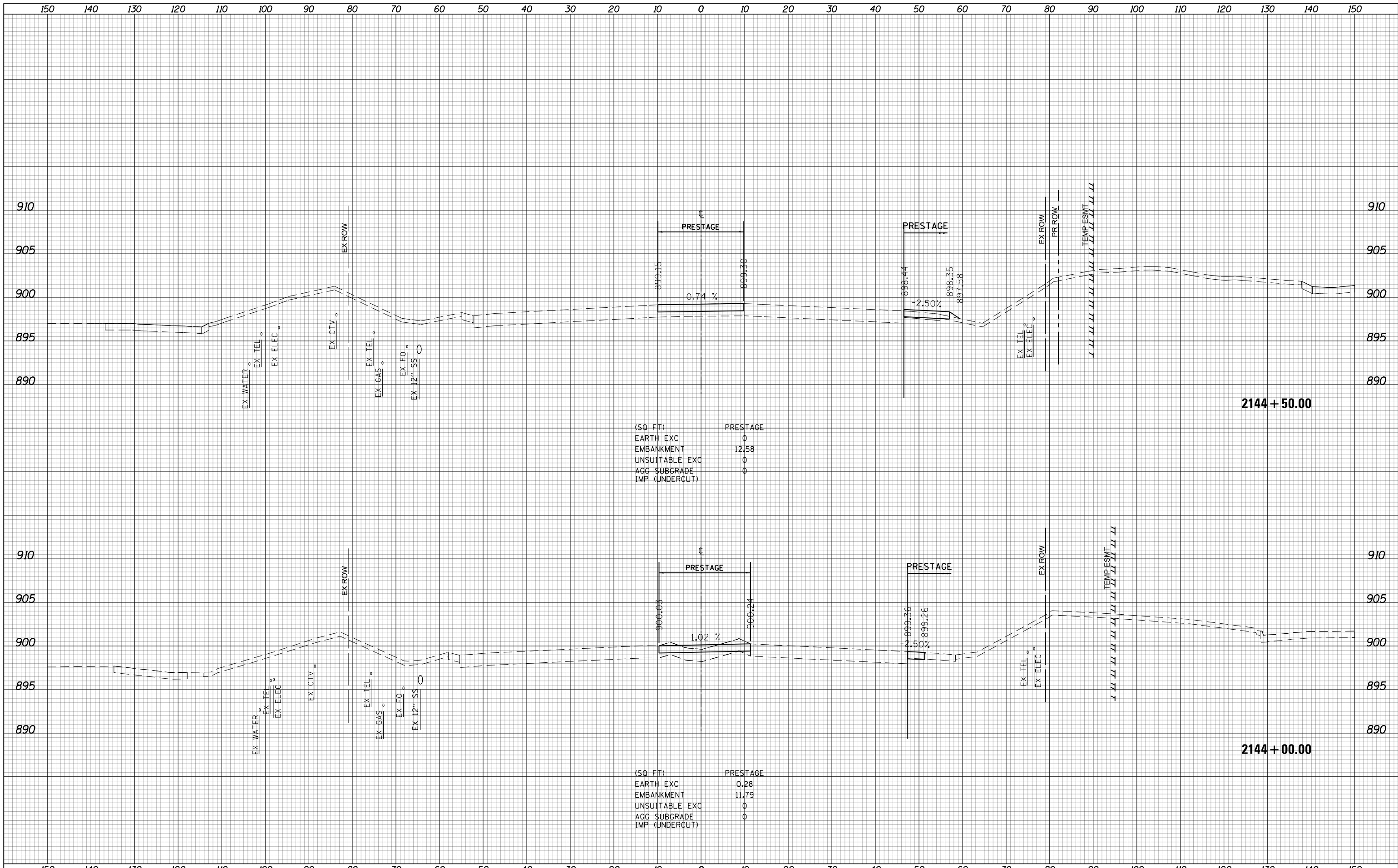
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

SCALE: 10 H: 5 V SHEET 735 OF 1751 SHEETS STA. 2143+00.00 TO STA. 2143+50.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	735
			CONTRACT NO. 61E53	

ILLINOIS FED. AID PROJECT



(SQ. FT)

PRESTAGE	0
EARTH EXC	12.58
EMBANKMENT	0
UNSUITABLE EXC	0
AGG SUBGRADE	0
IMP (UNDERCUT)	0

(SQ. FT)

PRESTAGE	0.28
EARTH EXC	11.79
EMBANKMENT	0
UNSUITABLE EXC	0
AGG SUBGRADE	0
IMP (UNDERCUT)	0

USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

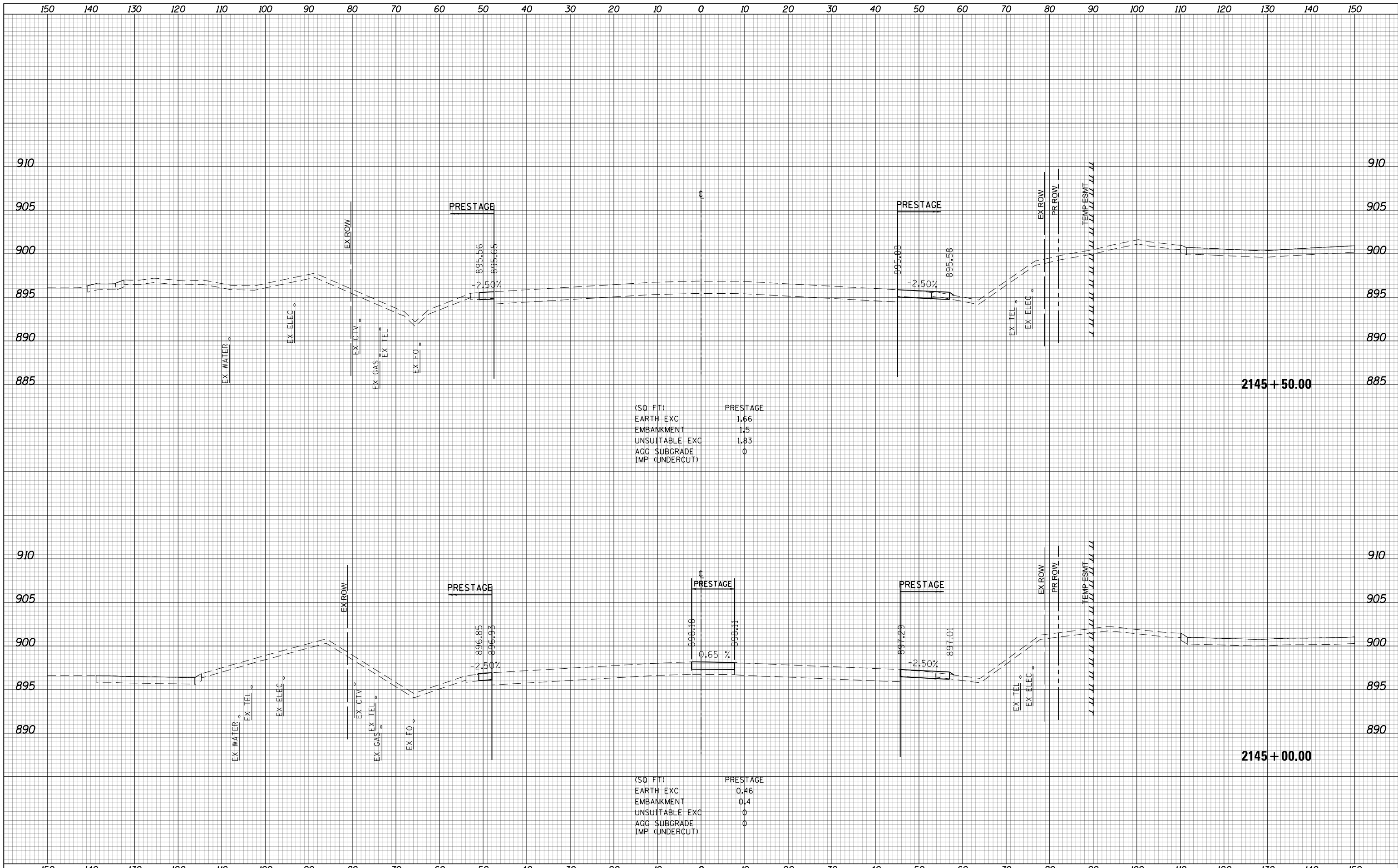
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

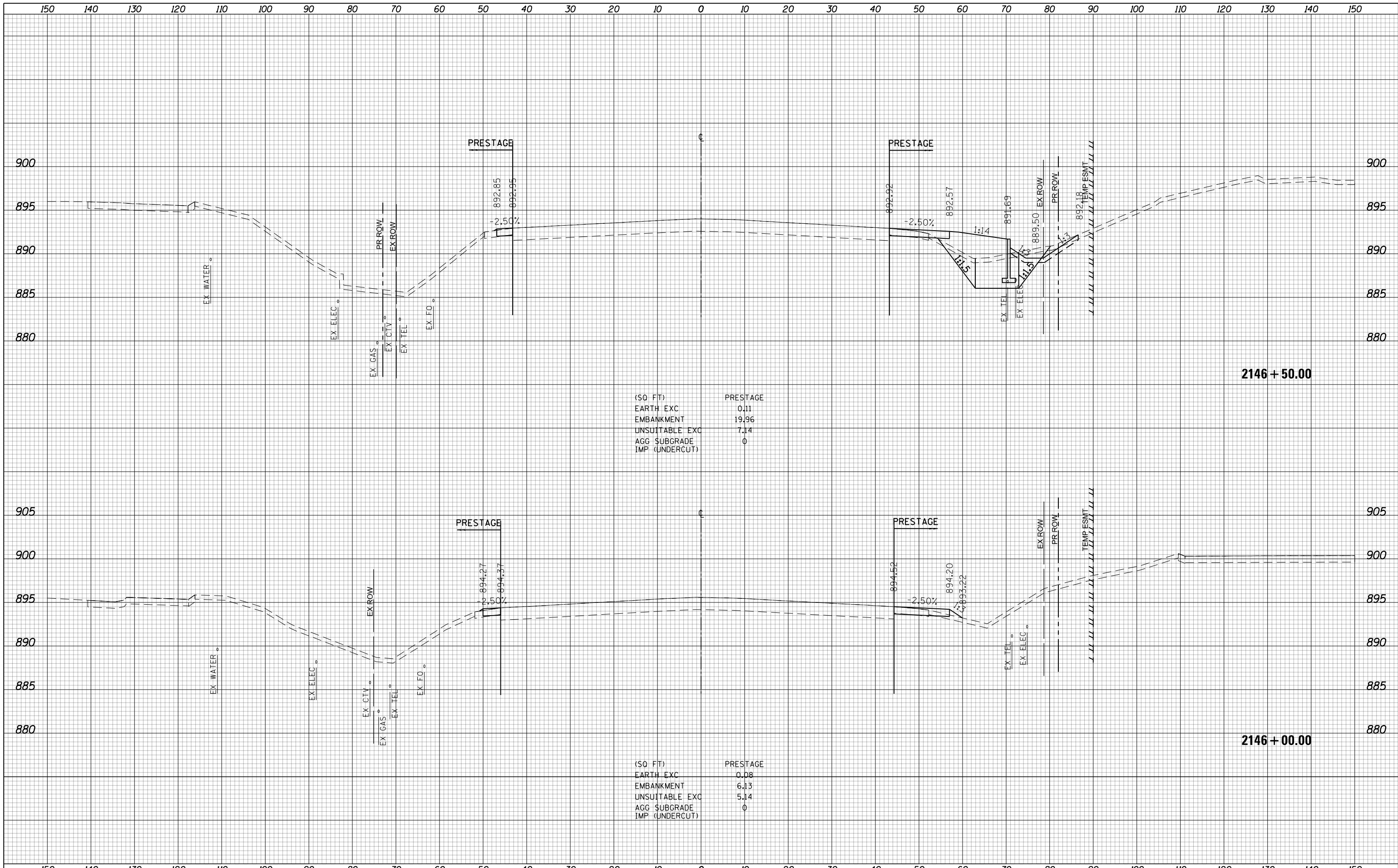
SCALE: 10 H: 5 V SHEET 736 OF 1751 SHEETS STA. 2144+00.00 TO STA. 2144+50.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	736
			CONTRACT NO. 61E53	

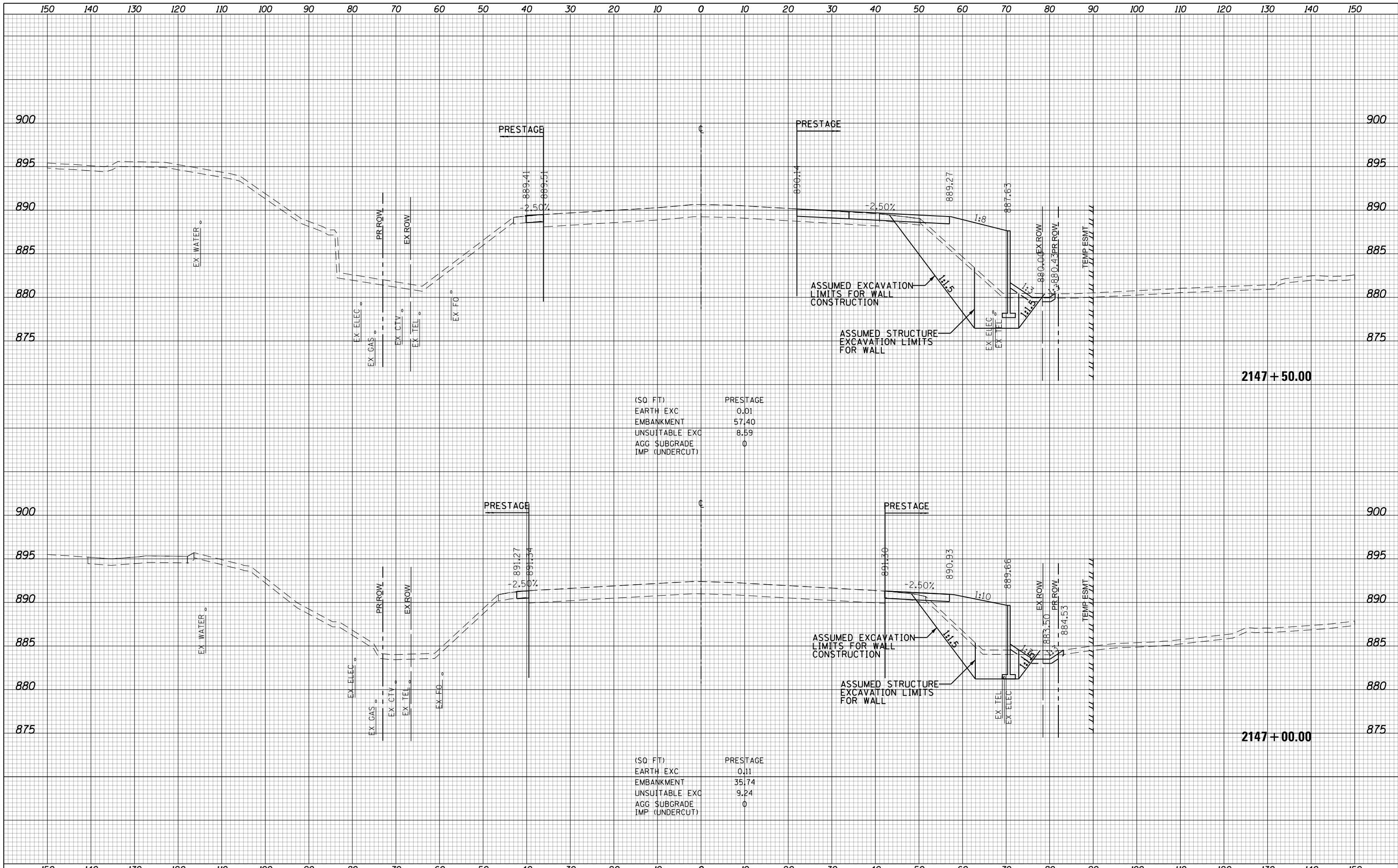
ILLINOIS FED. AID PROJECT



USER NAME = btwegner	DESIGNED - WBL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD PRESTAGE CROSS SECTIONS			FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 20.0000' / in.	DRAWN - BTW	REVISED -		336	06-00329-01-PW	MCHENRY	1751	737			
PLOT DATE = 4/25/2018	CHECKED - RCB	REVISED -		SCALE: 10 H: 5 V			SHEET 737 OF 1751 SHEETS			STA. 2145+00.00 TO STA. 2145+50.00	
	DATE - 4-26-2018	REVISED -		ILLINOIS FED. AID PROJECT			CONTRACT NO. 61E53				



USER NAME = btwagner	DESIGNED - WBL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD PRESTAGE CROSS SECTIONS		FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 20.0000' / in.	DRAWN - BTW	REVISED -		336	06-00329-01-PW	MCHENRY	1751	738		
PLOT DATE = 5/3/2018	CHECKED - RCB	REVISED -		SCALE: 10 H: 5 V		SHEET 738 OF 1751 SHEETS		STA. 2146+00.00 TO STA. 2146+50.00		CONTRACT NO. 61E53
	DATE - 4-26-2018	REVISED -		ILLINOIS FED. AID PROJECT						



(SQ FT) PRESTAGE

EARTH EXC	0.01
EMBANKMENT	57.40
UNSUITABLE EXC	8.59
AGG SUBGRADE	0
IMP (UNDERCUT)	0

(SQ FT) PRESTAGE

EARTH EXC	0.11
EMBANKMENT	35.74
UNSUITABLE EXC	9.24
AGG SUBGRADE	0
IMP (UNDERCUT)	0

USER NAME = btwagner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 5/3/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

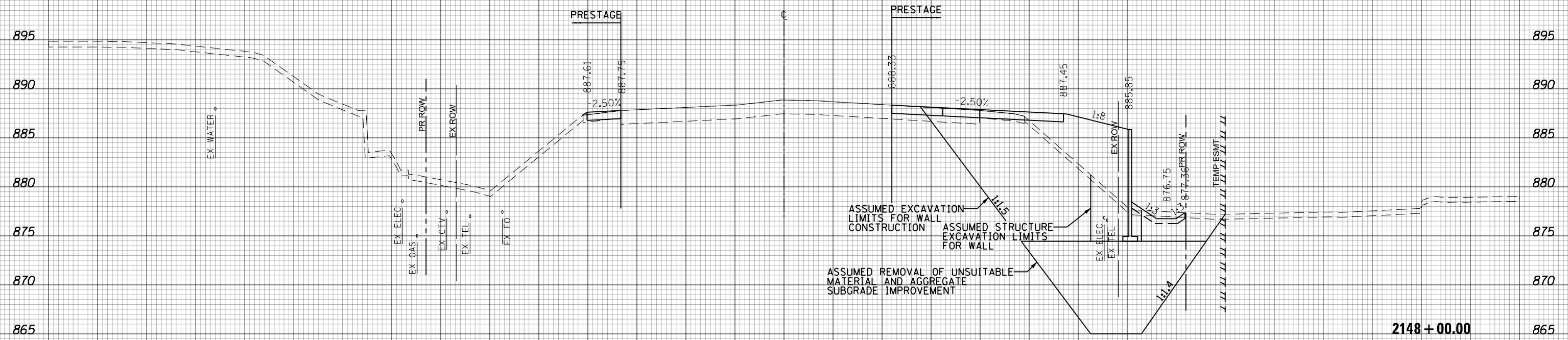
**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

SCALE: 10 H: 5 V SHEET 739 OF 1751 SHEETS STA. 2147+00.00 TO STA. 2147+50.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	739
			CONTRACT NO. 61E53	

ILLINOIS FED. AID PROJECT

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



(SQ FT)	PRESTAGE
EARTH EXC	0.4
EMBANKMENT	60.32
UNSUITABLE EXC	10.4
AGG SUBGRADE IMP (UNDERCUT)	0



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

USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 5/3/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

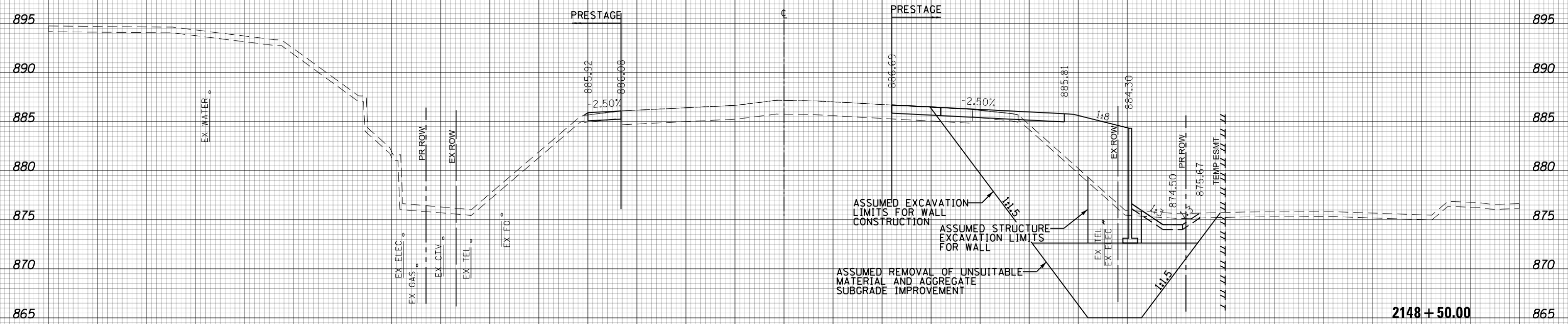
**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

SCALE: 10 H: 5 V SHEET 740 OF 1751 SHEETS STA. 2148+00.00 TO STA. 2148+00.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	740
			CONTRACT NO. 61E53	

ILLINOIS FED. AID PROJECT

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



(SQ FT)	PRESTAGE
EARTH EXC	0.2
EMBANKMENT	62.97
UNSUITABLE EXC	9.44
AGG SUBGRADE IMP (UNDERCUT)	0



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

USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 5/3/2018	DATE - 4-26-2018	REVISED -

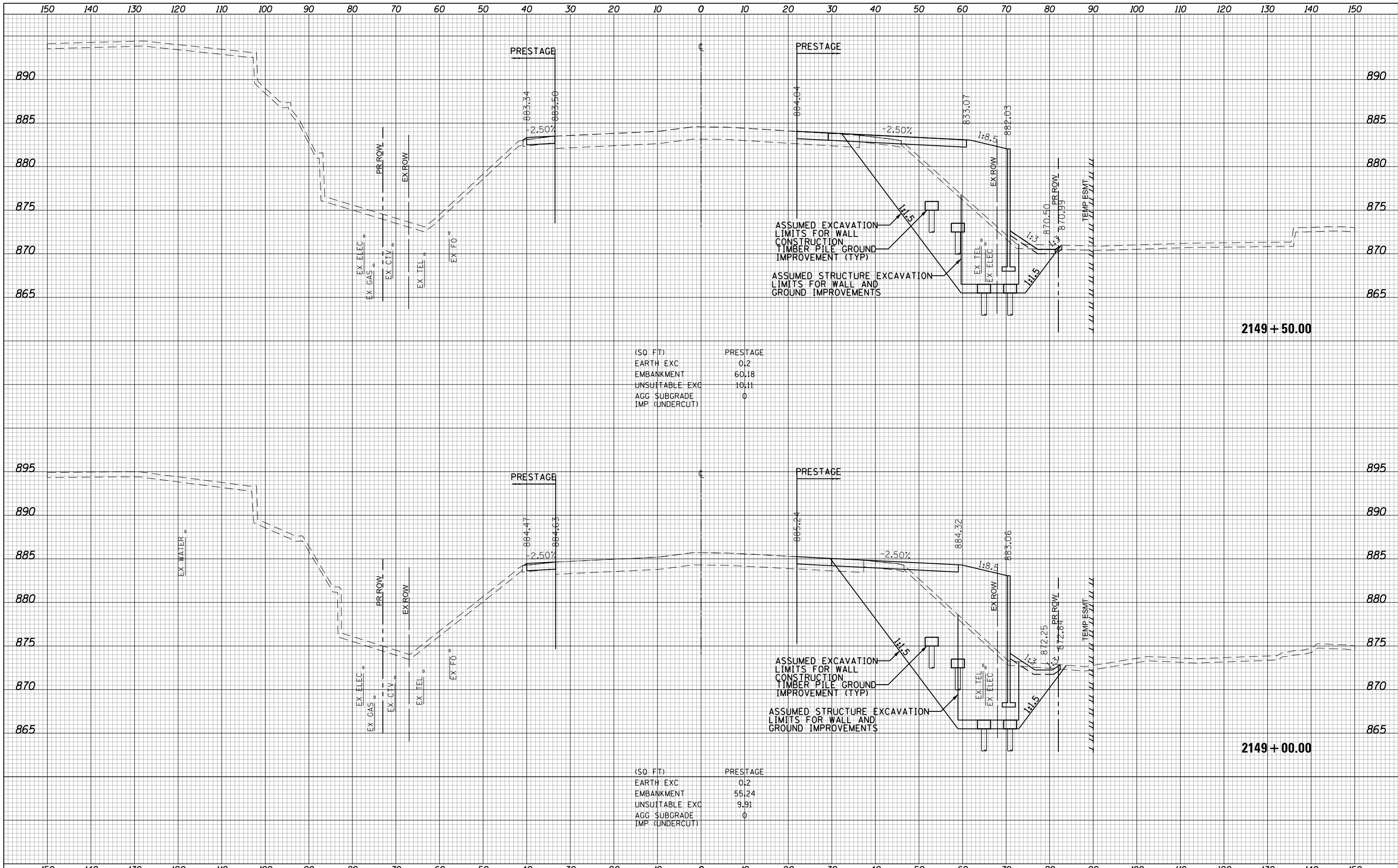
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

SCALE: 10 H: 5 V SHEET 741 OF 1751 SHEETS STA. 2148+50.00 TO STA. 2148+50.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	741
			CONTRACT NO. 61E53	

ILLINOIS FED. AID PROJECT



(SQ. FT)

PRESTAGE	0.2
EARTH EXC	60.18
EMBANKMENT	10.11
UNSUITABLE EXC	0
AGG SUBGRADE	0
IMP (UNDERCUT)	0

(SQ. FT)

PRESTAGE	0.2
EARTH EXC	55.24
EMBANKMENT	9.91
UNSUITABLE EXC	0
AGG SUBGRADE	0
IMP (UNDERCUT)	0

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

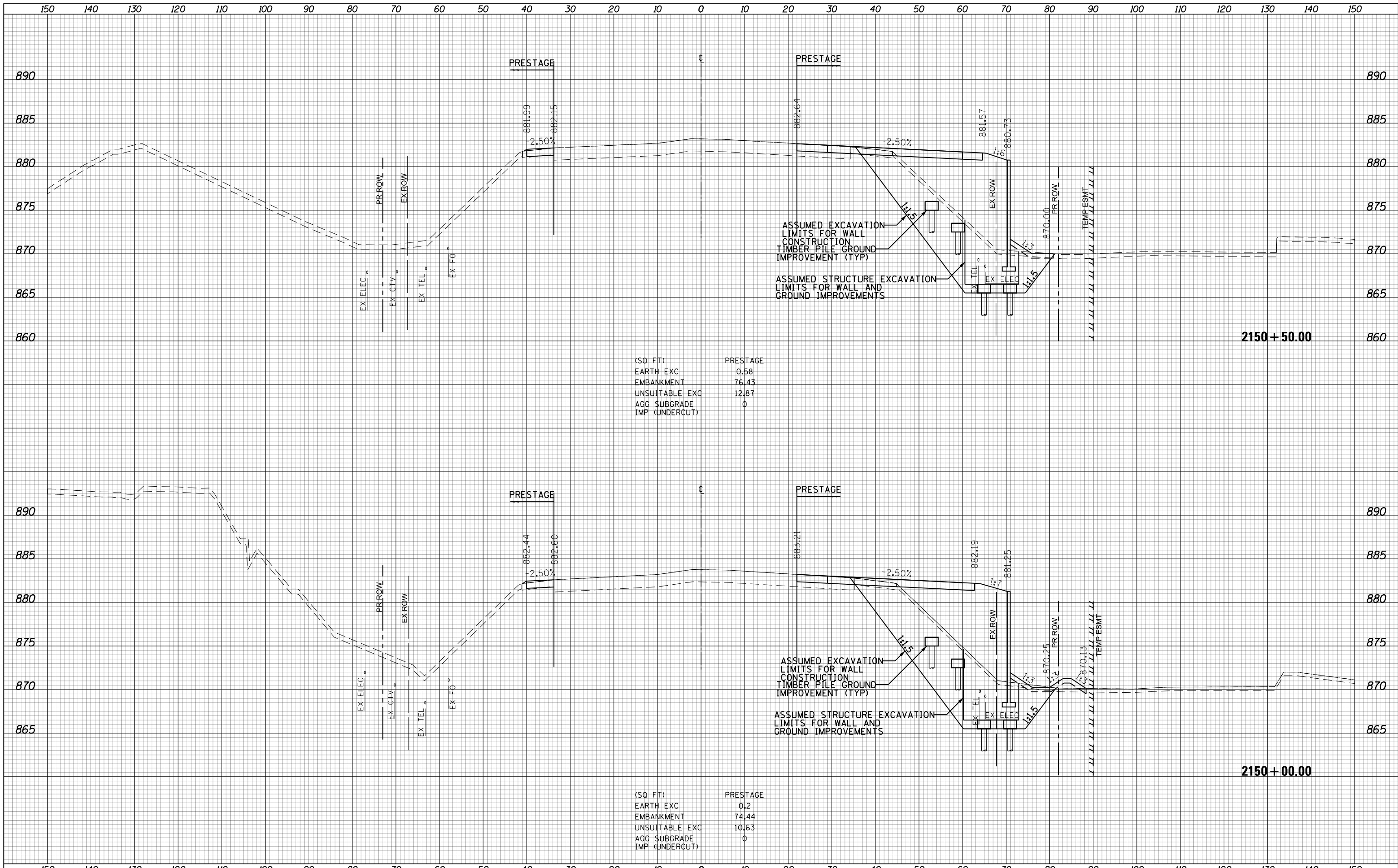
**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
	CHECKED - RCB	REVISED -
	DATE - 4-26-2018	REVISED -

SCALE: 10 H: 5 V SHEET 742 OF 1751 SHEETS STA. 2149+00.00 TO STA. 2149+50.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	742
			CONTRACT NO. 61E53	

ILLINOIS FED. AID PROJECT



USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 5/3/2018	DATE - 4-26-2018	REVISED -

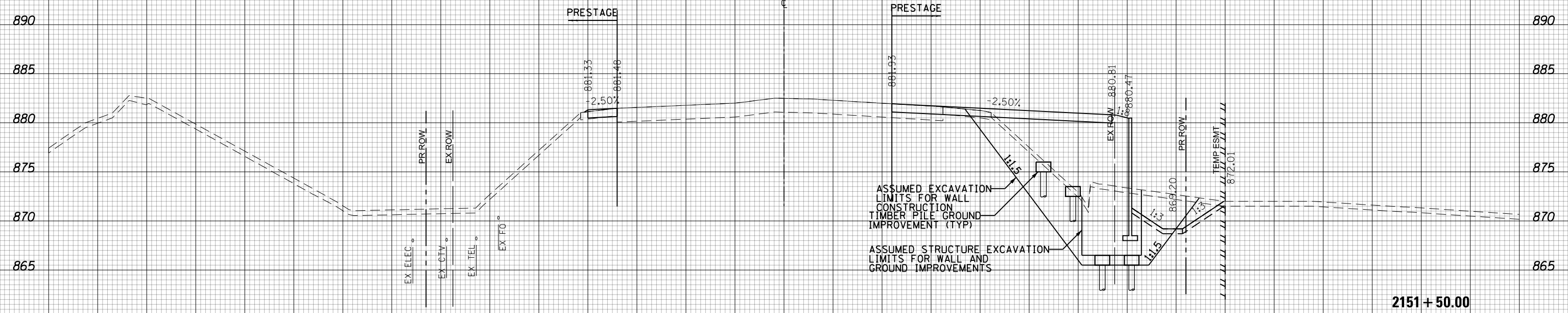
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

SCALE: 10 H: 5 V SHEET 743 OF 1751 SHEETS STA. 2150+00.00 TO STA. 2150+50.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	743
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				

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



(SQ FT)	PRESTAGE
EARTH EXC	0.2
EMBANKMENT	87.25
UNSUITABLE EXC	13.01
AGG SUBGRADE IMP (UNDERCUT)	0

2151 + 50.00



(SQ FT)	PRESTAGE
EARTH EXC	0.2
EMBANKMENT	82.37
UNSUITABLE EXC	13.64
AGG SUBGRADE IMP (UNDERCUT)	0

2151 + 00.00



USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 5/3/2018	DATE - 4-26-2018	REVISED -

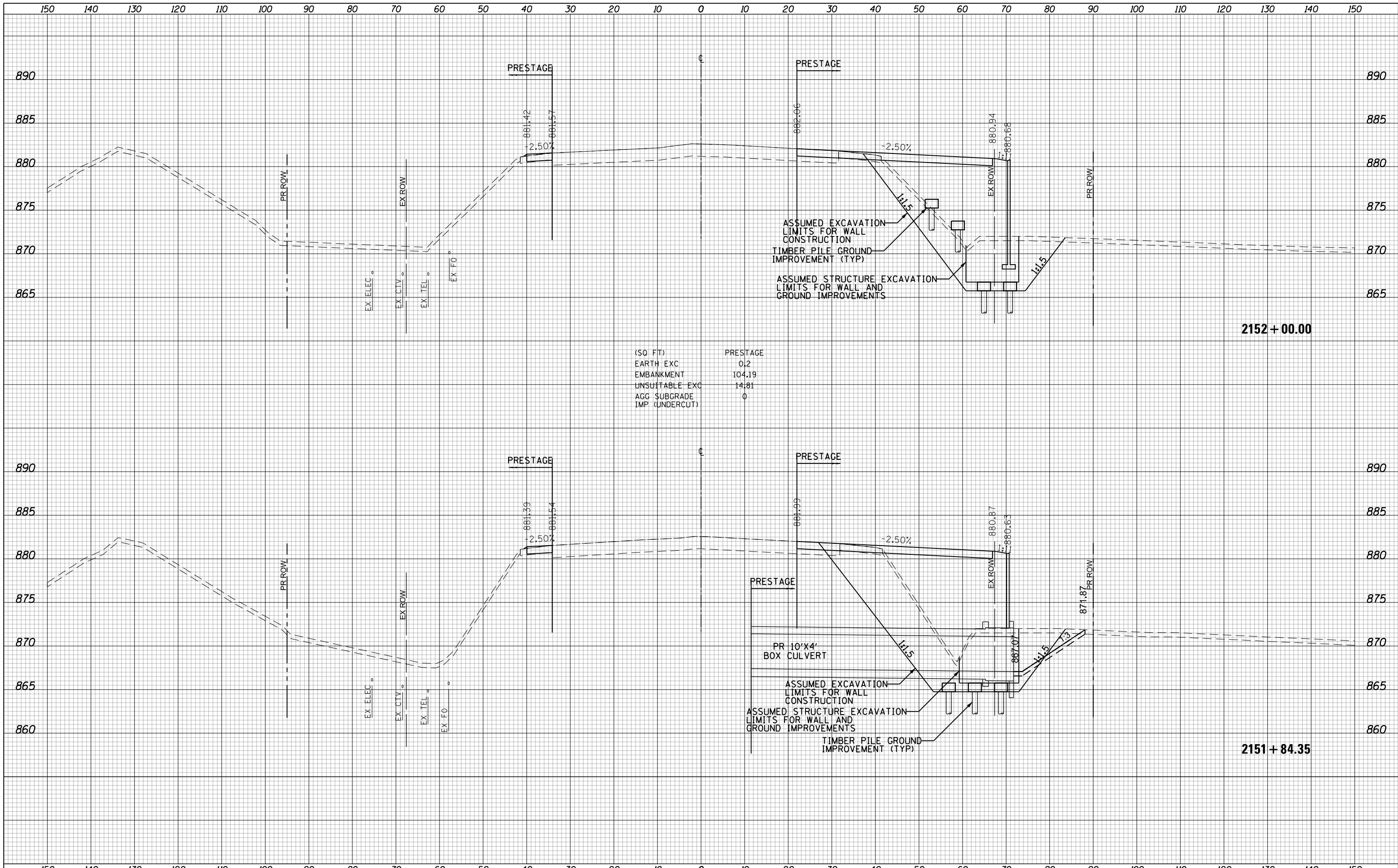
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD
PRESTAGE CROSS SECTIONS

SCALE: 10 H: 5 V SHEET 744 OF 1751 SHEETS STA. 2151+00.00 TO STA. 2151+50.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	744
			CONTRACT NO.	61E53

ILLINOIS FED. AID PROJECT



(SQ FT)	PRESTAGE
EARTH EXC	0.2
EMBANKMENT	104.19
UNSUITABLE EXC	14.81
AGG SUBGRADE IMP (UNDERCUT)	0

USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 5/3/2018	DATE - 4-26-2018	REVISED -

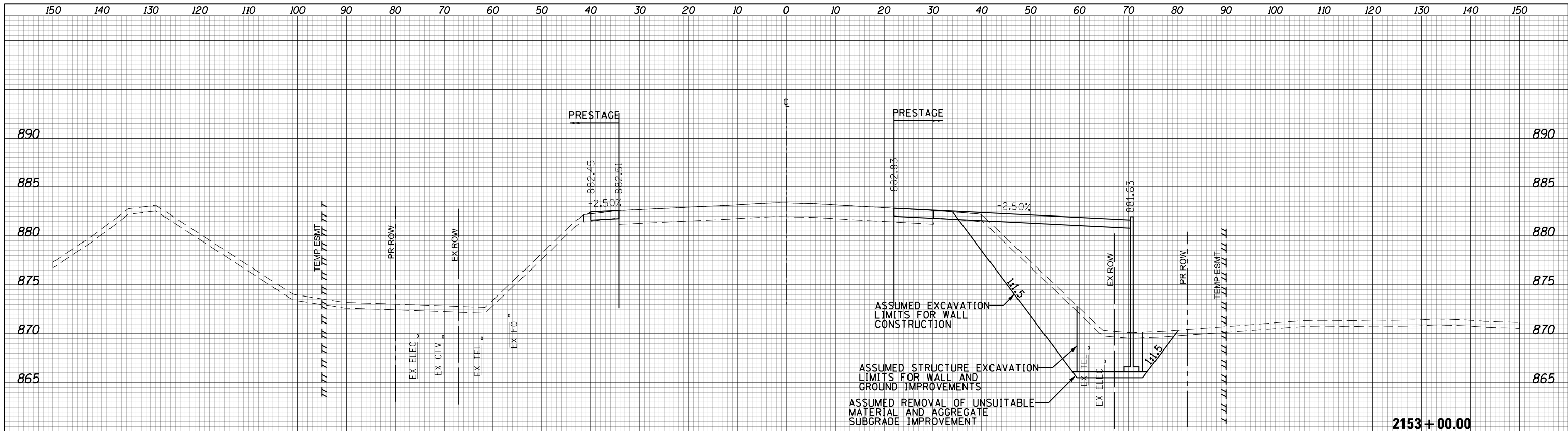
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

SCALE: 10 H: 5 V SHEET 745 OF 1751 SHEETS STA. 2151+84.35 TO STA. 2152+00.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	745
			CONTRACT NO. 61E53	





(SQ FT)	PRESTAGE
EARTH EXC	0.2
EMBANKMENT	91.60
UNSUITABLE EXC	15.25
AGG SUBGRADE IMP (UNDERCUT)	0

2153 + 00.00



(SQ FT)	PRESTAGE
EARTH EXC	0.2
EMBANKMENT	97.18
UNSUITABLE EXC	11.88
AGG SUBGRADE IMP (UNDERCUT)	0

2152 + 50.00



USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 5/3/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

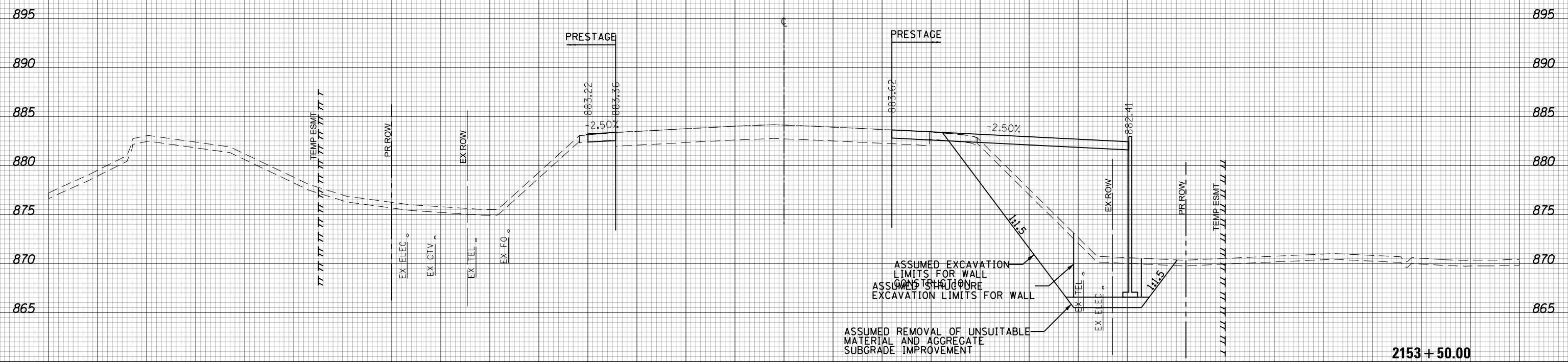
**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

SCALE: 10 H: 5 V SHEET 746 OF 1751 SHEETS STA. 2152+50.00 TO STA. 2153+00.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	746
			CONTRACT NO. 61E53	

ILLINOIS FED. AID PROJECT

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



(SQ. FT)	PRESTAGE
EARTH EXC	0.2
EMBANKMENT	93.15
UNSUITABLE EXC	15.47
AGG. SUBGRADE IMP (UNDERCUT)	0



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

USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 5/3/2018	DATE - 4-26-2018	REVISED -

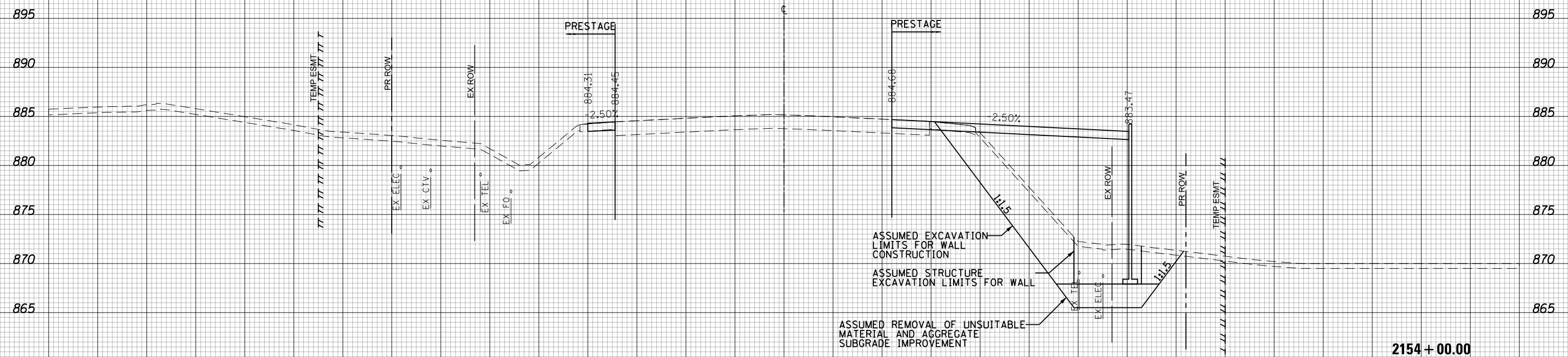
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RANDALL ROAD PRESTAGE CROSS SECTIONS	
SCALE: 10 H: 5 V	SHEET 747 OF 1751 SHEETS
STA. 2153+50.00	TO STA. 2153+50.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	747
CONTRACT NO.			61E53	

2153 + 50.00

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



(SQ. FT)	PRESTAGE
EARTH EXC	0.2
EMBANKMENT	103.96
UNSUITABLE EXC	13.01
AGG SUBGRADE IMP (UNDERCUT)	0



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

USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 5/3/2018	DATE - 4-26-2018	REVISED -

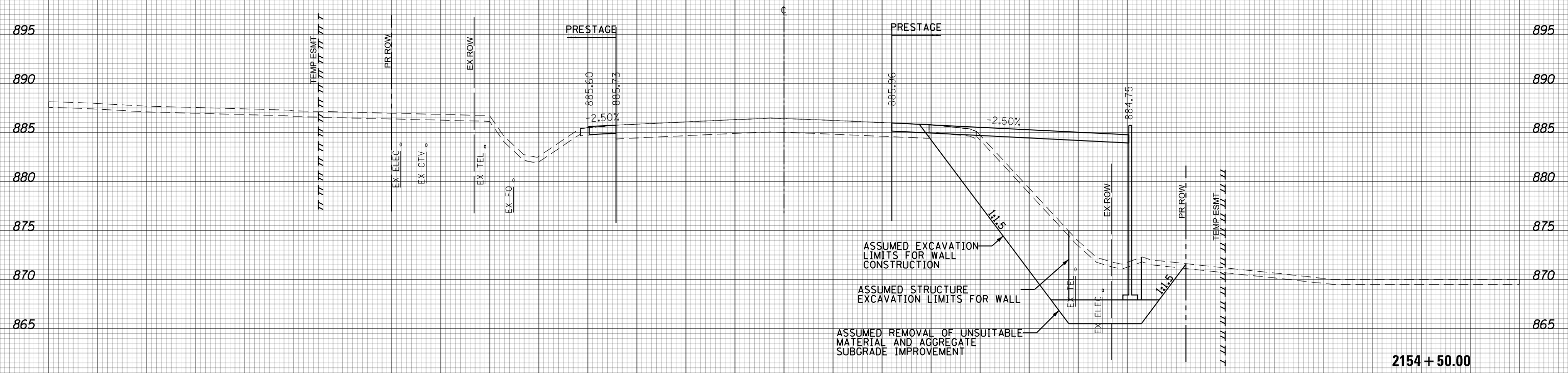
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RANDALL ROAD PRESTAGE CROSS SECTIONS	
SCALE: 10 H: 5 V	SHEET 748 OF 1751 SHEETS
STA. 2154+00.00	TO STA. 2154+00.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	748
CONTRACT NO.			61E53	

2154+00.00

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



(SQ FT)	PRESTAGE
EARTH EXC	0.2
EMBANKMENT	91.62
UNSUITABLE EXC	12.84
AGG SUBGRADE IMP (UNDERCUT)	0



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

USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 5/3/2018	DATE - 4-26-2018	REVISED -

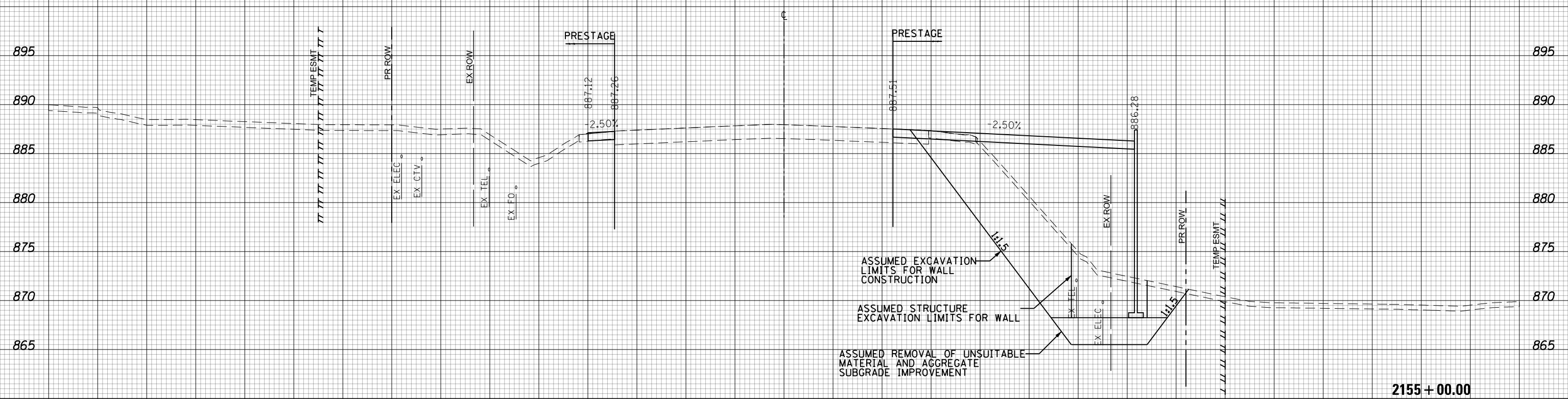
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RANDALL ROAD	
PRESTAGE CROSS SECTIONS	
SCALE: 10 H: 5 V	SHEET 749 OF 1751 SHEETS
STA. 2154+50.00	TO STA. 2154+50.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	749
CONTRACT NO.			61E53	

2154+50.00

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



(SQ FT)	PRESTAGE
EARTH EXC	4.48
EMBANKMENT	92.25
UNSUITABLE EXC	17.78
AGG SUBGRADE IMP (UNDERCUT)	0



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

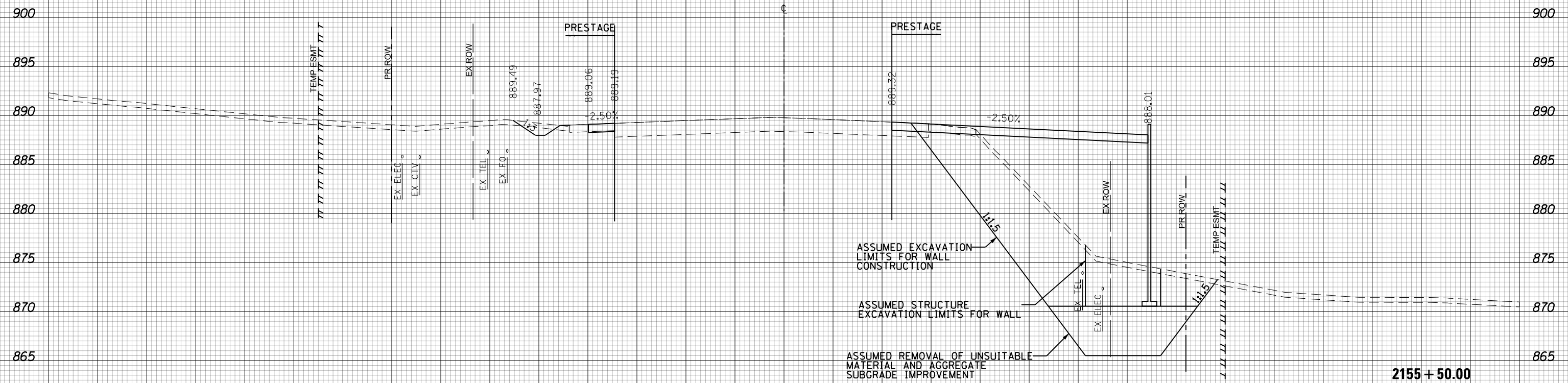
USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 5/3/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RANDALL ROAD PRESTAGE CROSS SECTIONS	
SCALE: 10 H: 5 V	SHEET 750 OF 1751 SHEETS STA. 2155+00.00 TO STA. 2155+00.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	750
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				

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



(SQ FT)	PRESTAGE
EARTH EXC	212
EMBANKMENT	114.43
UNSUITABLE EXC	18.43
AGG SUBGRADE IMP (UNDERCUT)	0

2155 + 50.00



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

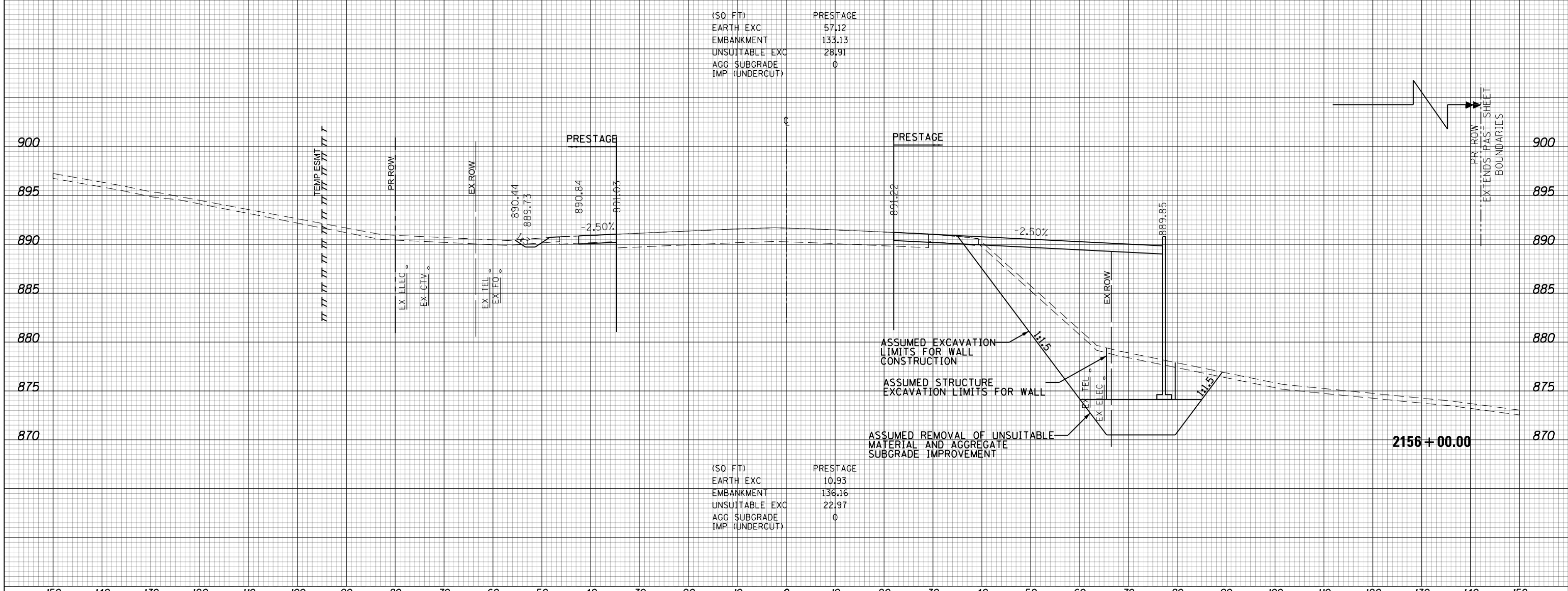
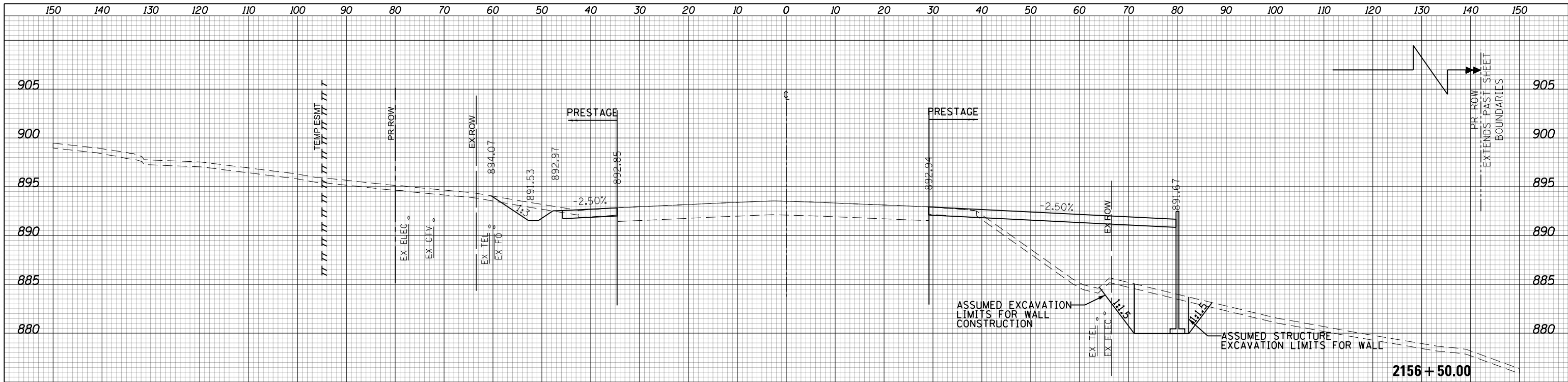
USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 5/3/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

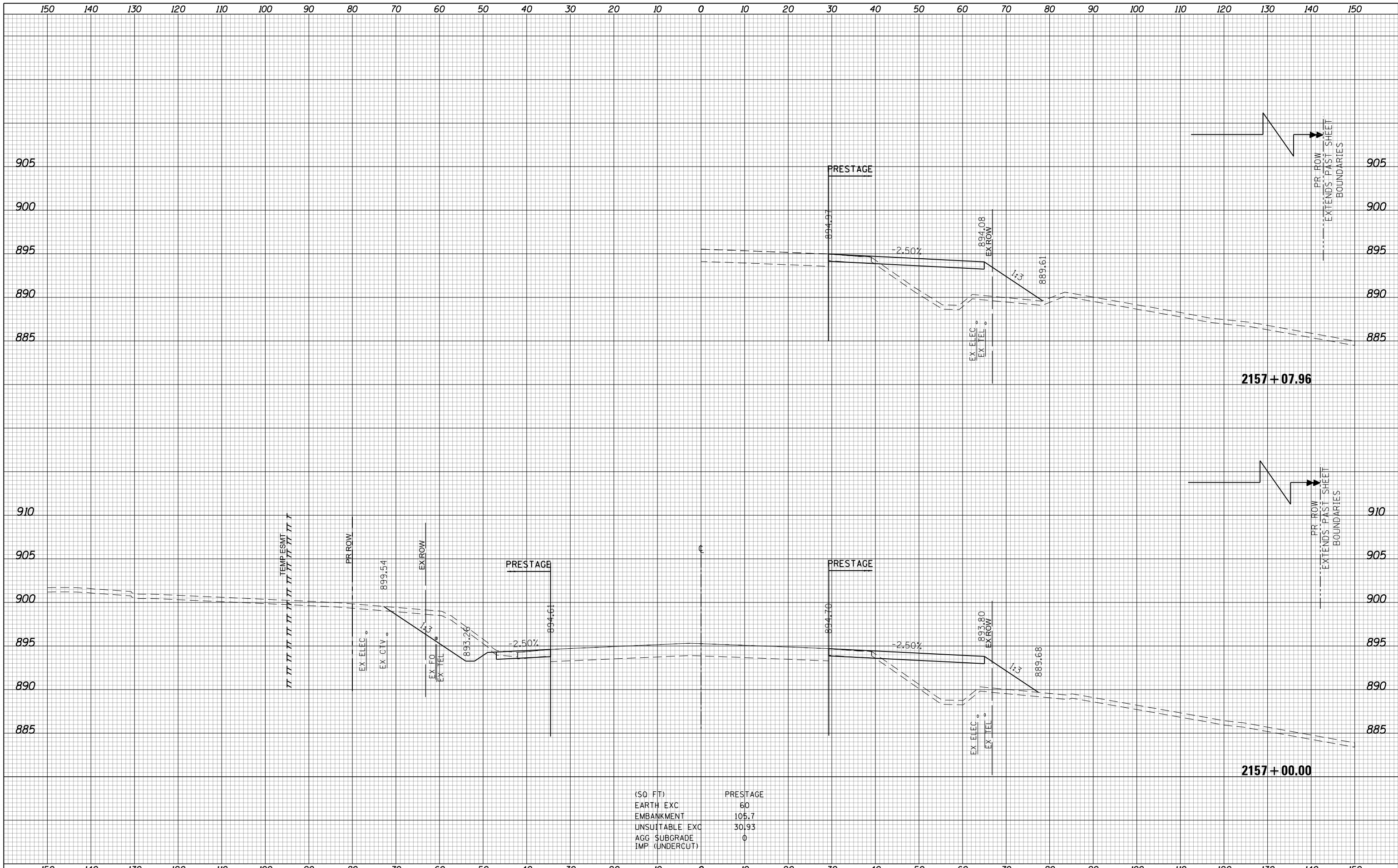
RANDALL ROAD PRESTAGE CROSS SECTIONS	
SCALE: 10 H: 5 V	SHEET 751 OF 1751 SHEETS
STA. 2155+50.00	TO STA. 2155+50.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	751
CONTRACT NO.			61E53	

ILLINOIS FED. AID PROJECT



USER NAME = btwegner	DESIGNED - WBL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD PRESTAGE CROSS SECTIONS			FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 20.0000' / in.	DRAWN - BTW	REVISED -					336	06-00329-01-PW	MCHENRY	1751	752
PLOT DATE = 5/3/2018	CHECKED - RCB	REVISED -					CONTRACT NO. 61E53				
DATE - 4-26-2018	REVISIONS	REVISED -					ILLINOIS FED. AID PROJECT				
			SCALE: 10 H: 5 V			SHEET 752 OF 1751 SHEETS			STA. 2156+00.00 TO STA. 2156+50.00		



(SQ FT)	PRESTAGE
EARTH EXC	60
EMBANKMENT	105.7
UNSUITABLE EXC	30.93
AGG SUBGRADE	0
IMP (UNDERCUT)	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

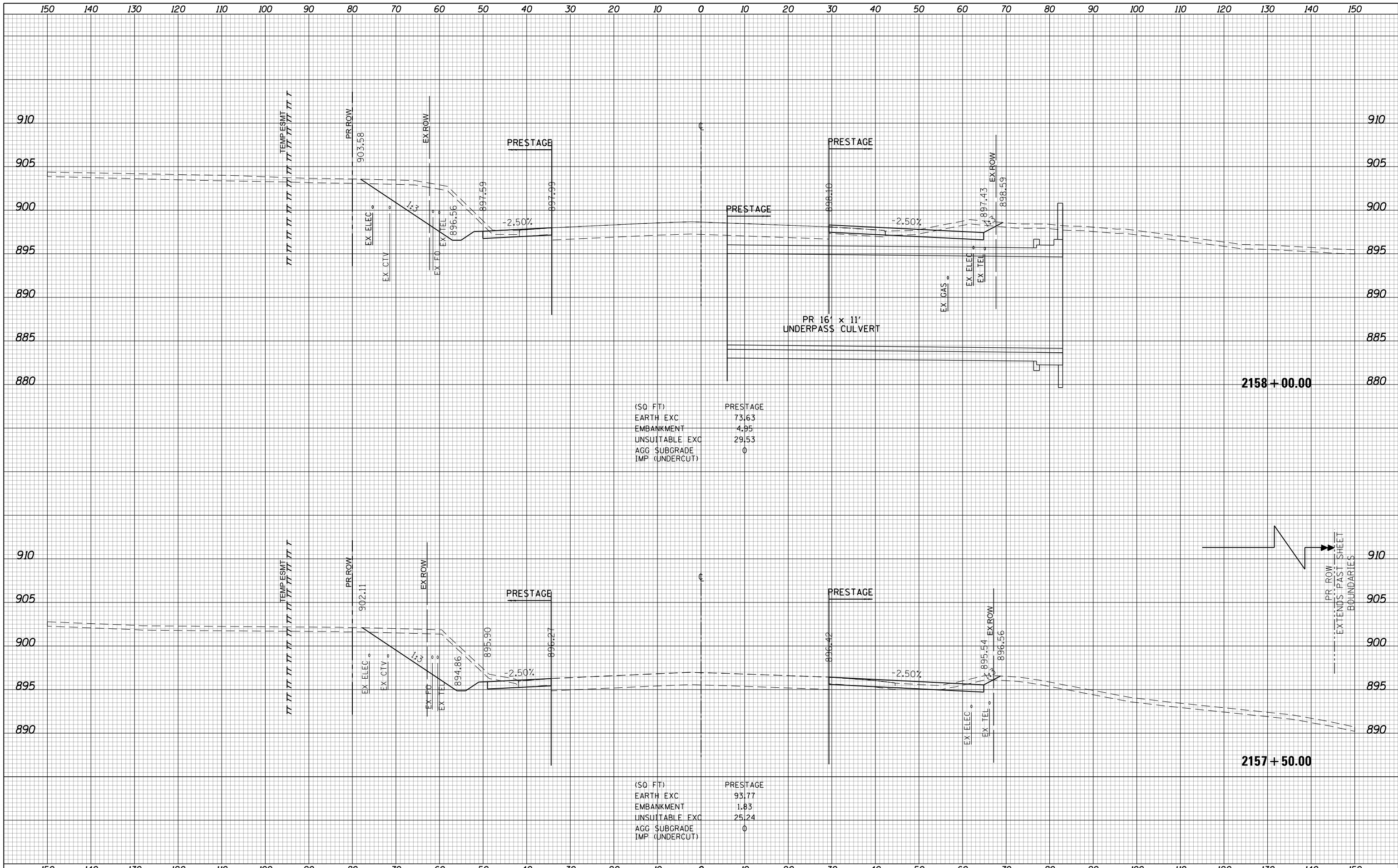
**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

USER NAME = btwagner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

SCALE: 10 H: 5 V SHEET 753 OF 1751 SHEETS STA. 2157+00.00 TO STA. 2157+07.96

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	753
			CONTRACT NO.	61E53

ILLINOIS FED. AID PROJECT



(SQ. FT)

EARTH EXC	73.63
EMBANKMENT	4.95
UNSUITABLE EXC	29.53
AGG. SUBGRADE IMP (UNDERCUT)	0

(SQ. FT)

EARTH EXC	93.77
EMBANKMENT	1.83
UNSUITABLE EXC	25.24
AGG. SUBGRADE IMP (UNDERCUT)	0

USER NAME = btwagner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

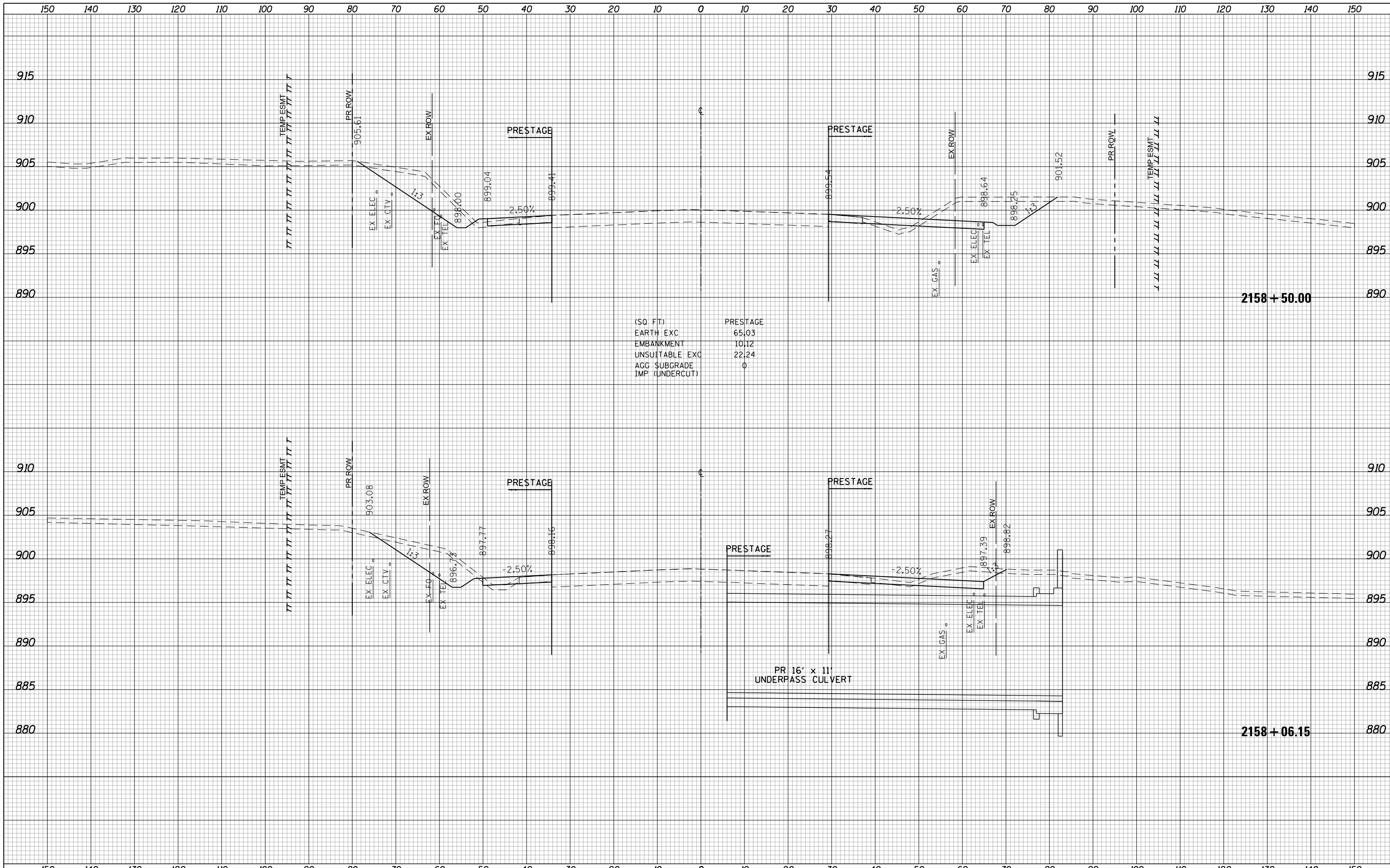
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

SCALE: 10 H: 5 V SHEET 754 OF 1751 SHEETS STA. 2157+50.00 TO STA. 2158+00.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	754
			CONTRACT NO. 61E53	

ILLINOIS FED. AID PROJECT



(SQ FT)	
EARTH EXC	65.03
EMBANKMENT	10.12
UNSUITABLE EXC	22.24
AGG SUBGRADE	0
IMP (UNDERCUT)	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

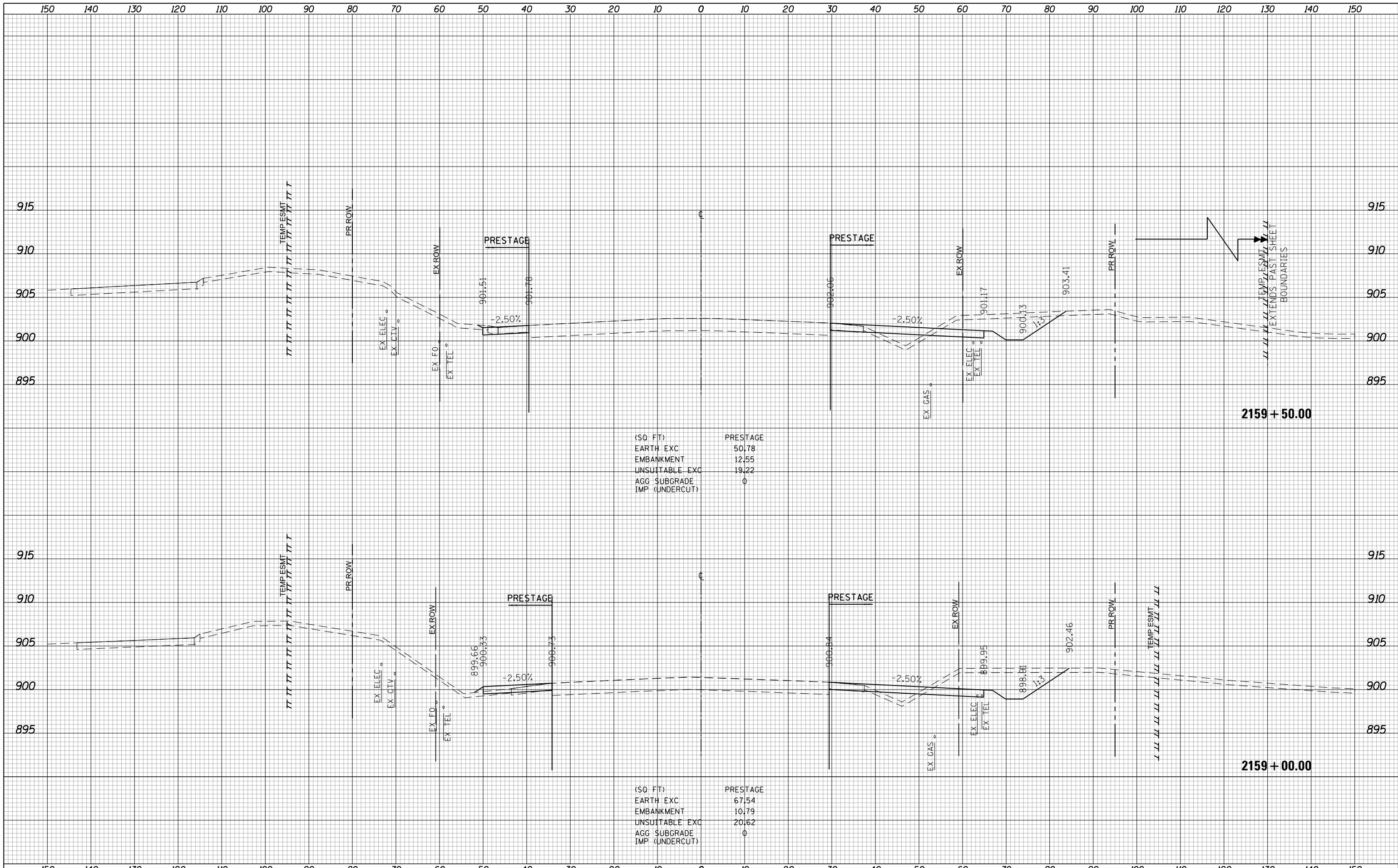
USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

SCALE: 10 H: 5 V SHEET 755 OF 1751 SHEETS STA. 2158+06.15 TO STA. 2158+50.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	755
CONTRACT NO.			61E53	

ILLINOIS FED. AID PROJECT





(SQ FT) PRESTAGE

EARTH EXC	50.78
EMBANKMENT	12.55
UNSUITABLE EXC	19.22
AGG SUBGRADE	0
IMP (UNDERCUT)	0

(SQ FT) PRESTAGE

EARTH EXC	67.54
EMBANKMENT	10.79
UNSUITABLE EXC	20.62
AGG SUBGRADE	0
IMP (UNDERCUT)	0

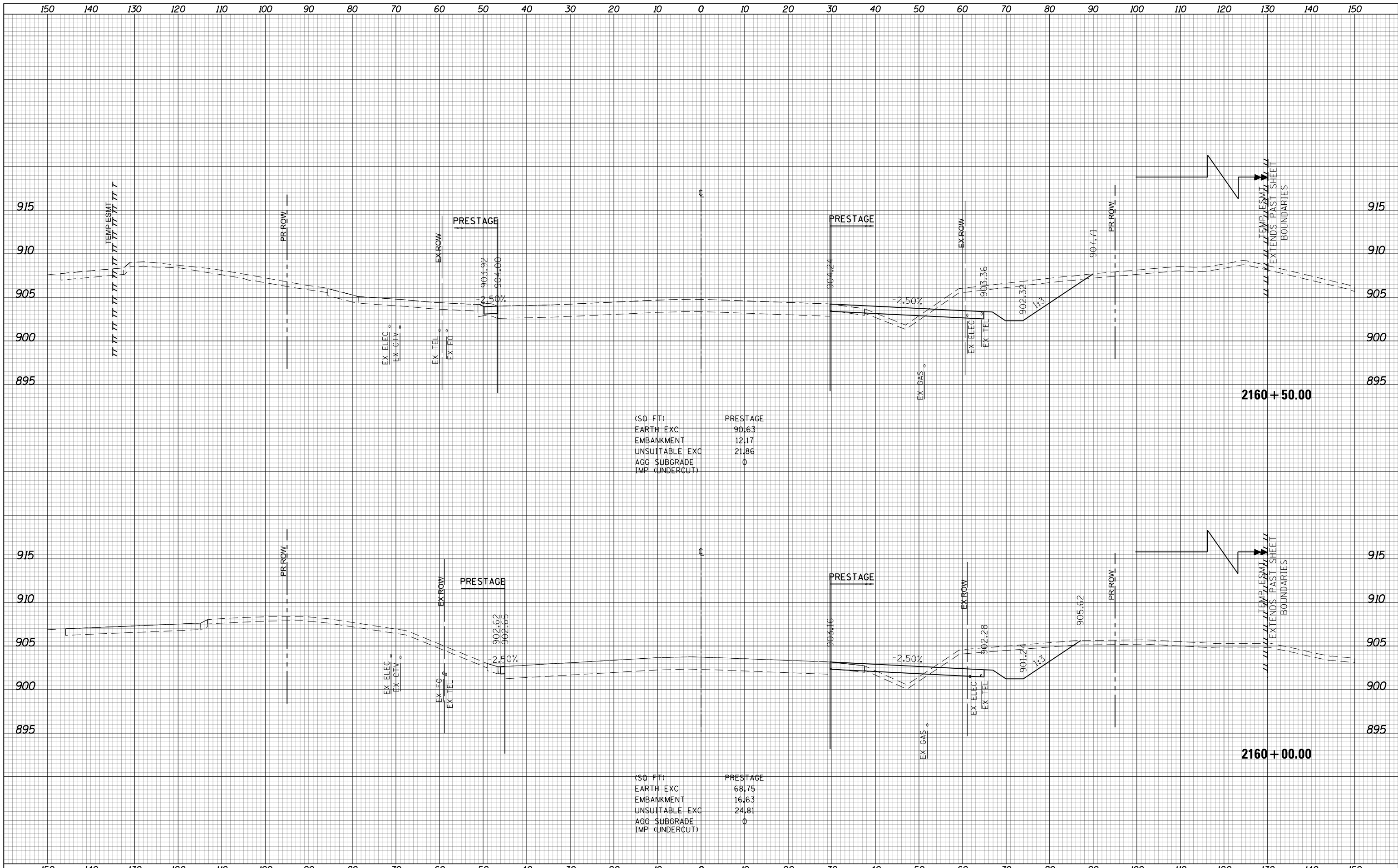
USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

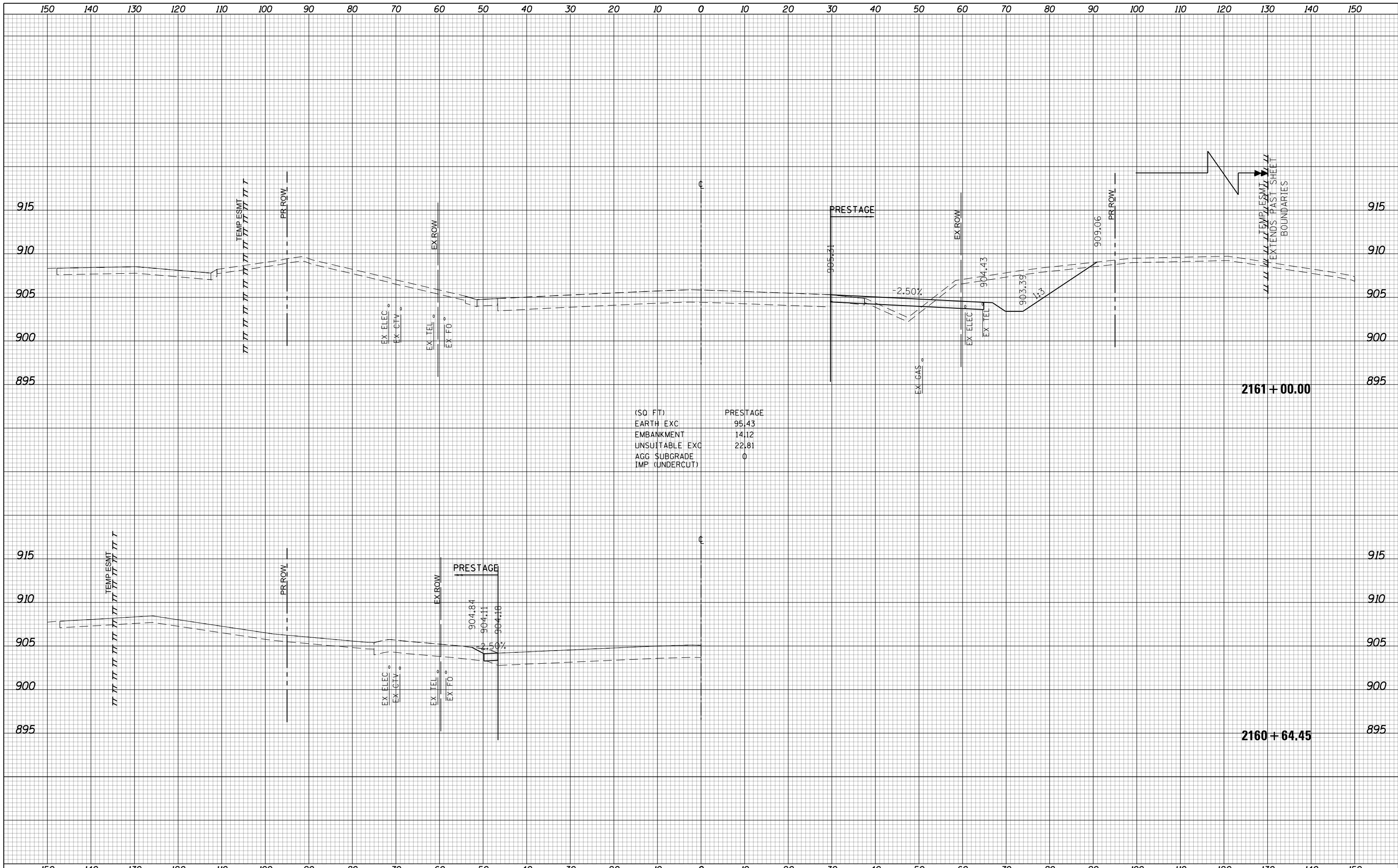
**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

SCALE: 10 H: 5 V SHEET 756 OF 1751 SHEETS STA. 2159+00.00 TO STA. 2159+50.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	756
			CONTRACT NO.	61E53
ILLINOIS FED. AID PROJECT				



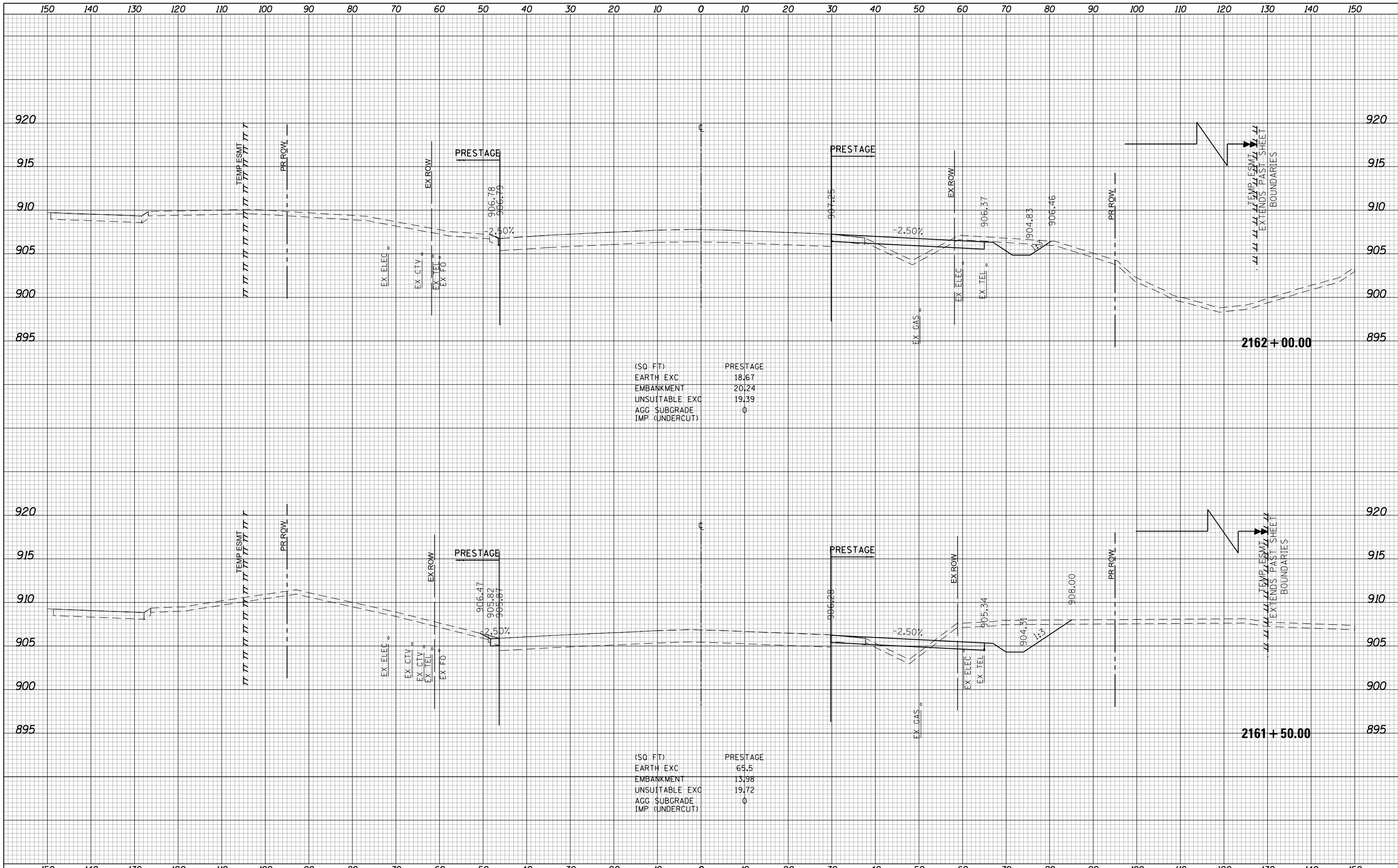
USER NAME = btwegner	DESIGNED - WBL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD PRESTAGE CROSS SECTIONS			FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 20.0000' / in.	DRAWN - BTW	REVISED -		336	06-00329-01-PW	MCHENRY	1751	757			
PLOT DATE = 4/25/2018	CHECKED - RCB	REVISED -		SCALE: 10 H: 5 V			SHEET 757 OF 1751 SHEETS			CONTRACT NO. 61E53	
	DATE - 4-26-2018	REVISED -		STA. 2160+00.00 TO STA. 2160+50.00			ILLINOIS FED. AID PROJECT				



USER NAME = btwagner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RANDALL ROAD PRESTAGE CROSS SECTIONS		FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: 10 H: 5 V		336	06-00329-01-PW	MCHENRY	1751	758
SHEET 758 OF 1751 SHEETS		STA. 2160+64.45 TO STA. 2161+00.00		CONTRACT NO. 61E53		



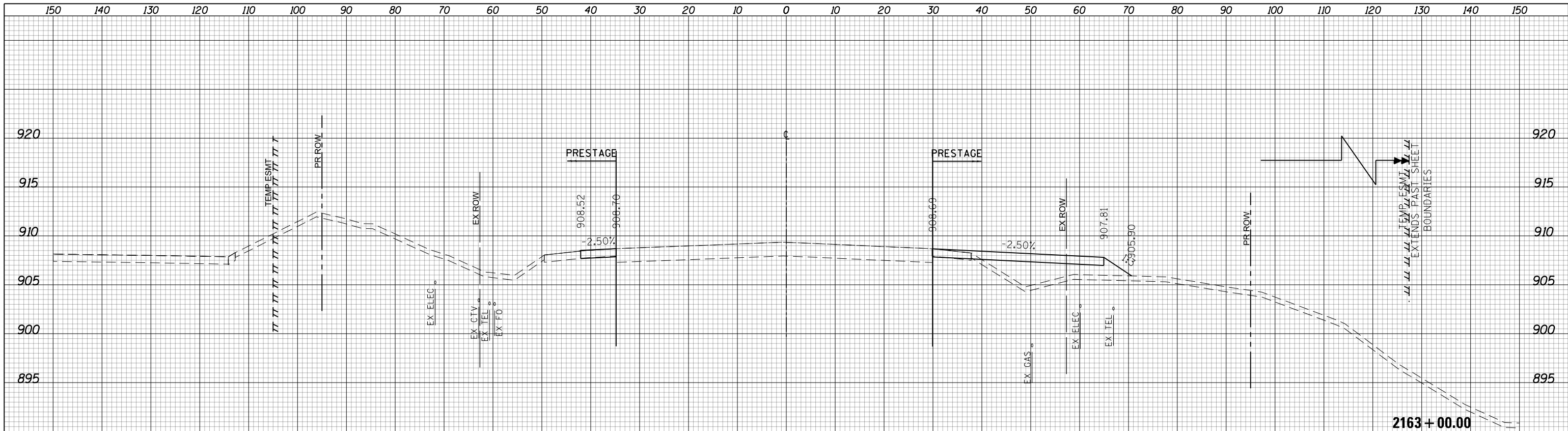
(SQ. FT)

PRESTAGE	18.67
EARTH EXC	20.24
EMBANKMENT	19.39
UNSUITABLE EXC	0
AGG. SUBGRADE	
IMP. (UNDERCUT)	

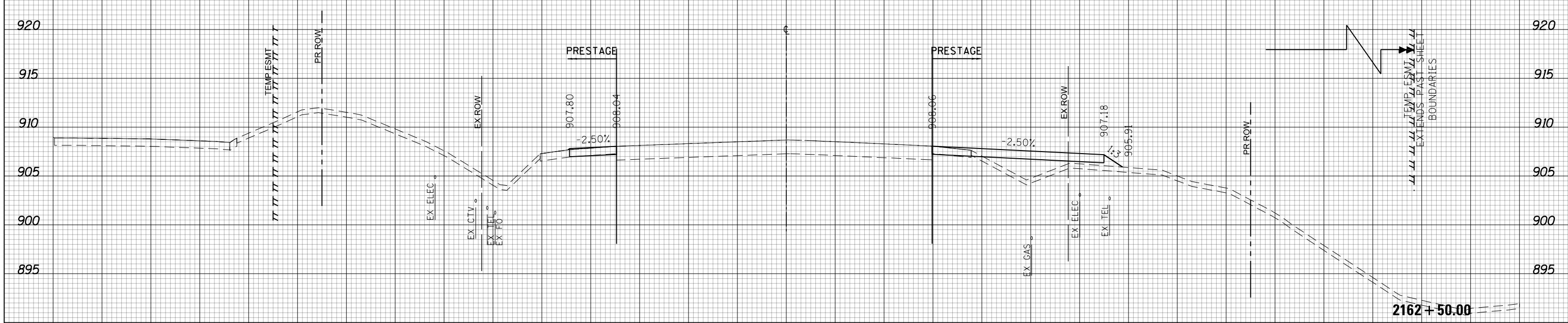
(SQ. FT)

PRESTAGE	65.5
EARTH EXC	13.98
EMBANKMENT	19.72
UNSUITABLE EXC	0
AGG. SUBGRADE	
IMP. (UNDERCUT)	

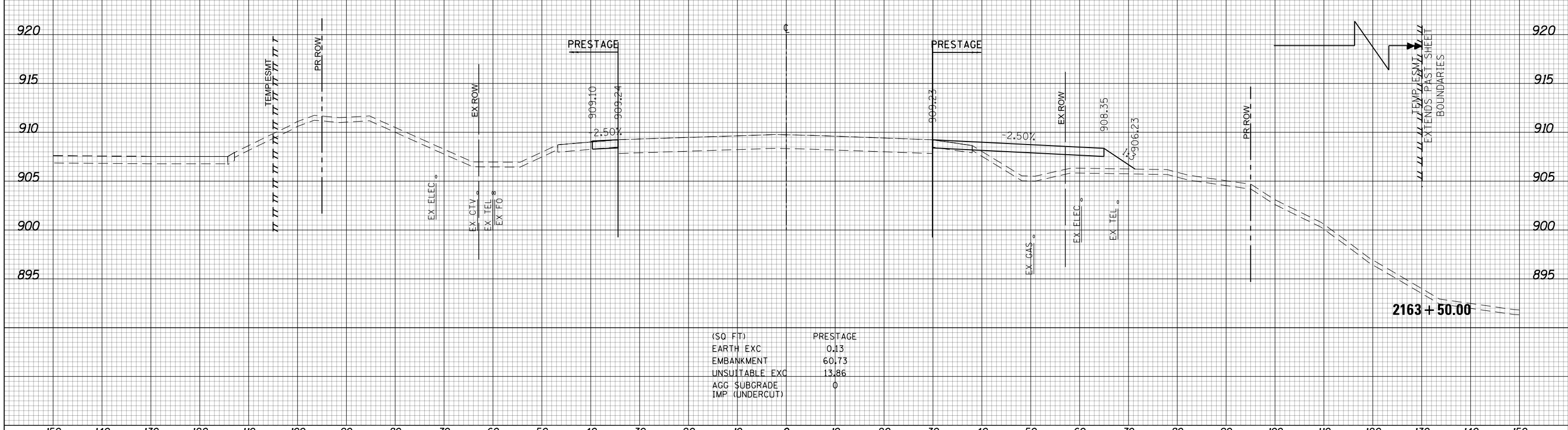
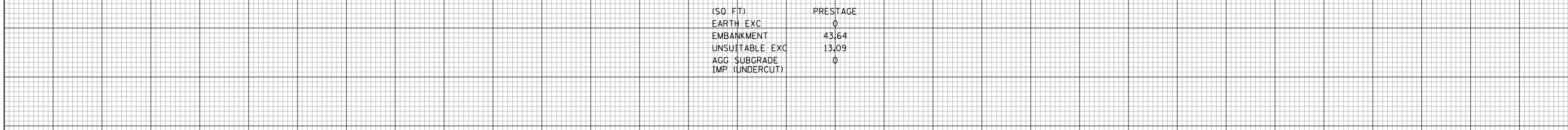
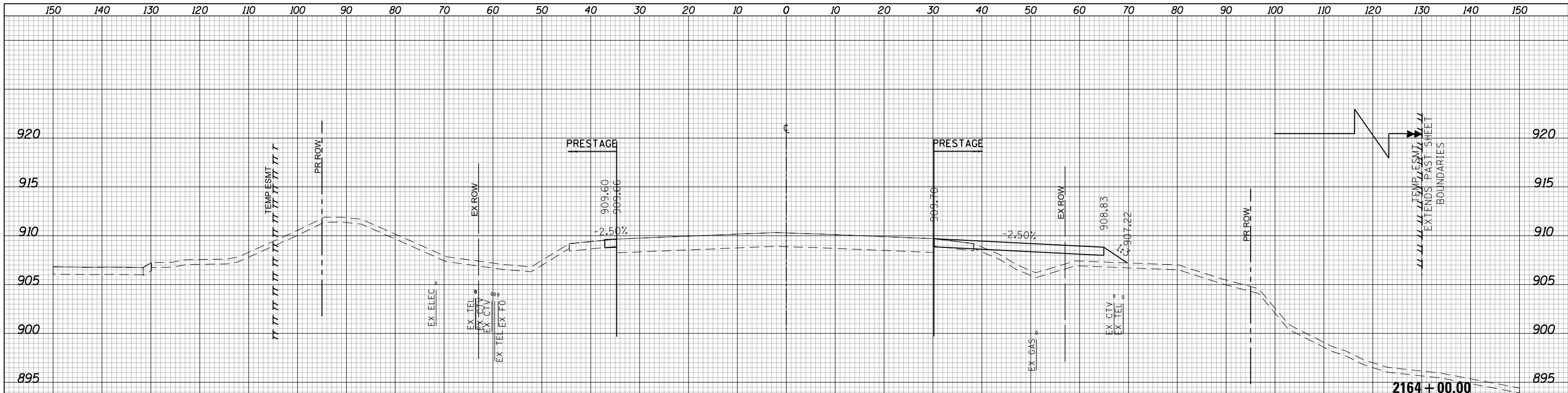




(SQ. FT)	PRESTAGE
EARTH EXC	0.2
EMBANKMENT	56.23
UNSUITABLE EXC	13.68
AGG SUBGRADE	0
IMP (UNDERCUT)	0

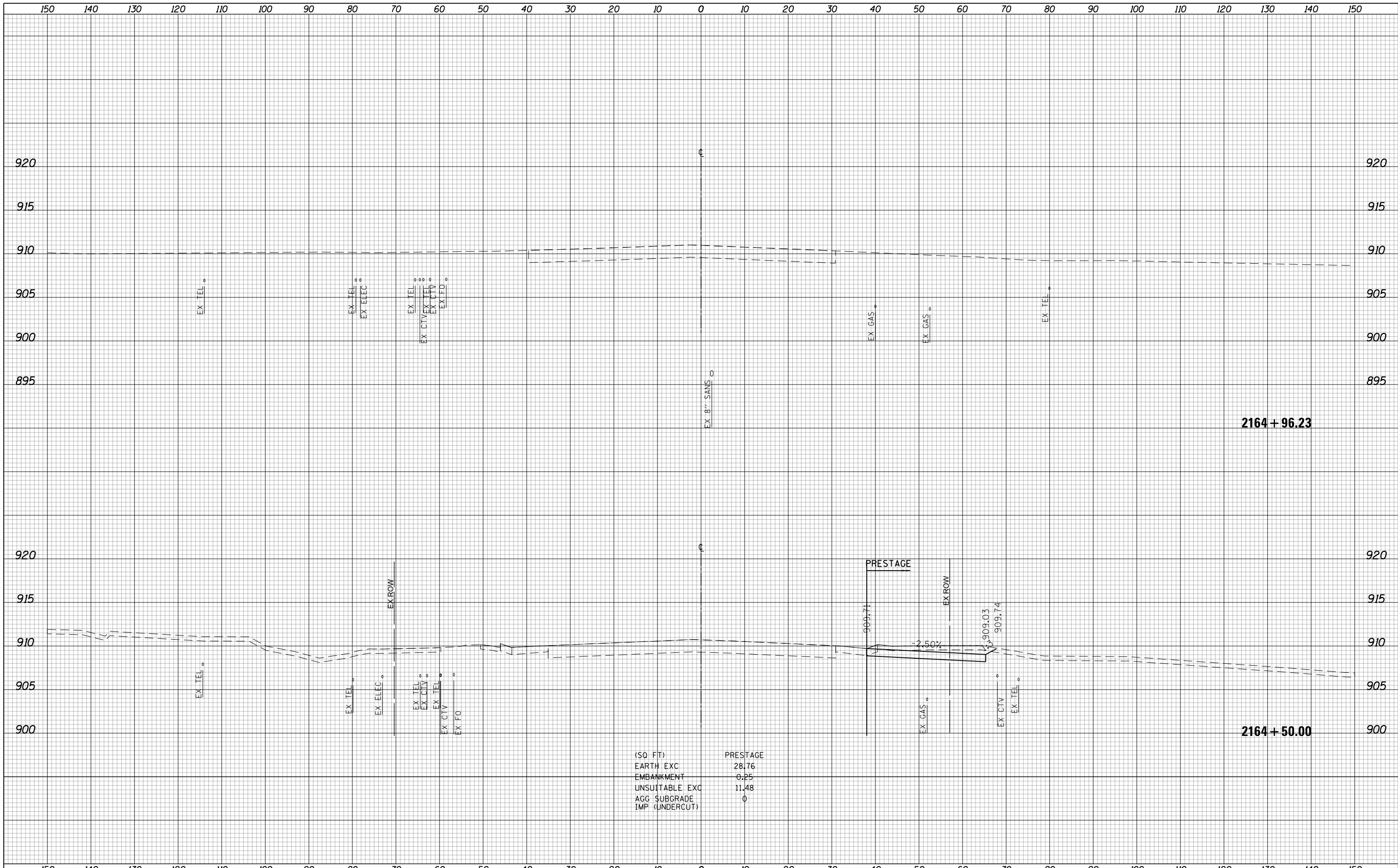


(SQ. FT)	PRESTAGE
EARTH EXC	0.42
EMBANKMENT	37.79
UNSUITABLE EXC	12.92
AGG SUBGRADE	0
IMP (UNDERCUT)	0



USER NAME = btwagner	DESIGNED - WBL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD PRESTAGE CROSS SECTIONS		FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 20.0000' / in.	DRAWN - BTW	REVISED -				336	06-00329-01-PW	MCHENRY	1751	761
PLOT DATE = 4/25/2018	CHECKED - RCB	REVISED -				CONTRACT NO. 61E53				
DATE - 4-26-2018	REVISIED -	REVISED -				ILLINOIS FED. AID PROJECT				

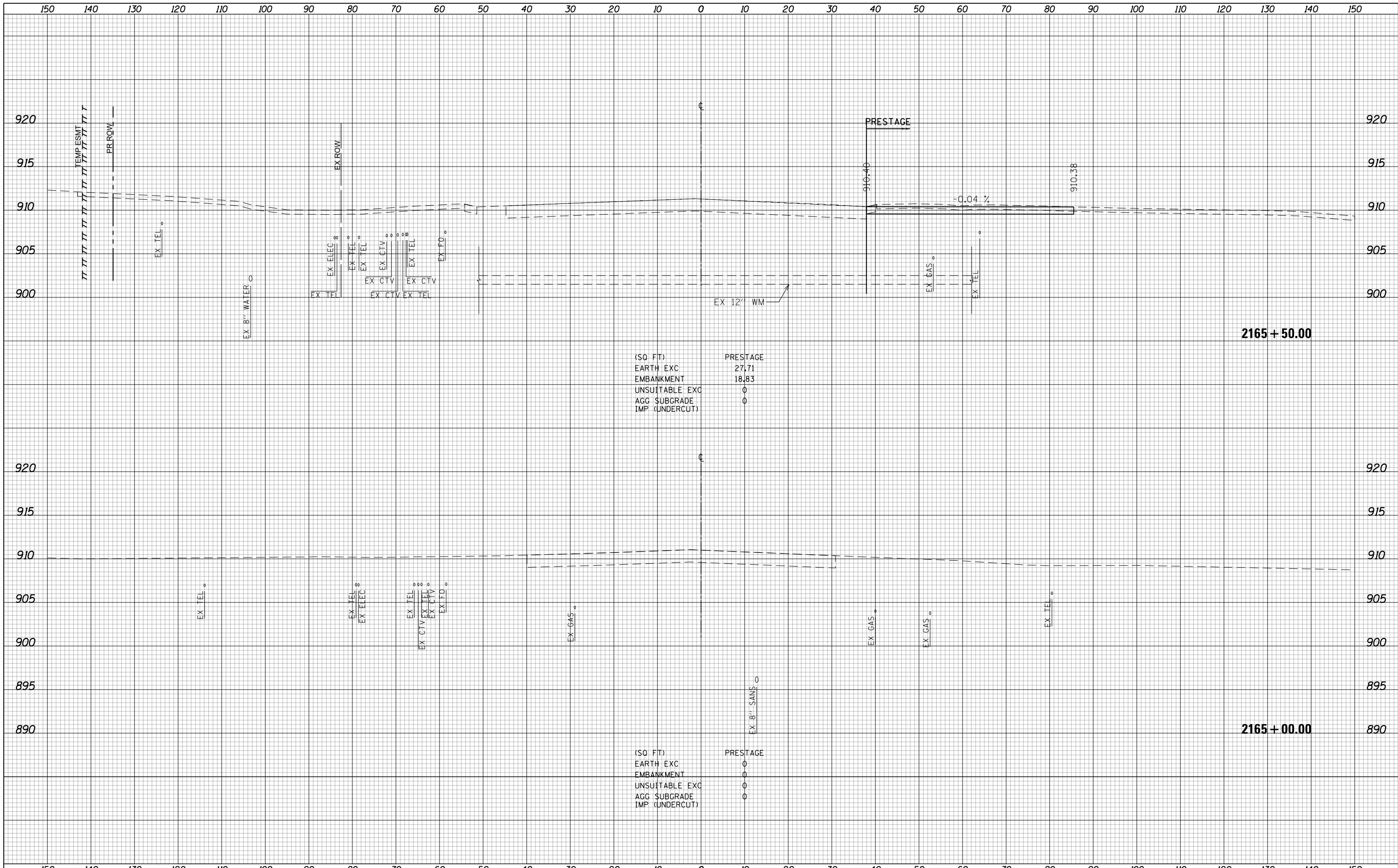
SCALE: 10 H: 5 V SHEET 761 OF 1751 SHEETS STA. 2163+50.00 TO STA. 2164+00.00



2164 + 96.23

2164 + 50.00

USER NAME = btwegner	DESIGNED - WBL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD PRESTAGE CROSS SECTIONS		FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 20.0000' / in.	DRAWN - BTW	REVISED -		336	06-00329-01-PW	MCHENRY	1751	762			
PLOT DATE = 4/25/2018	CHECKED - RCB	REVISED -		SCALE: 10 H: 5 V		SHEET 762 OF 1751 SHEETS		STA. 2164+50.00 TO STA. 2164+96.23		CONTRACT NO. 61E53	
DATE - 4-26-2018	REVISIED -	REVISED -		ILLINOIS FED. AID PROJECT							



(SQ FT)

EARTH EXC	27.71
EMBANKMENT	18.83
UNSUITABLE EXC	0
AGG SUBGRADE	0
IMP (UNDERCUT)	0

(SQ FT)

EARTH EXC	0
EMBANKMENT	0
UNSUITABLE EXC	0
AGG SUBGRADE	0
IMP (UNDERCUT)	0

USER NAME = btwagner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

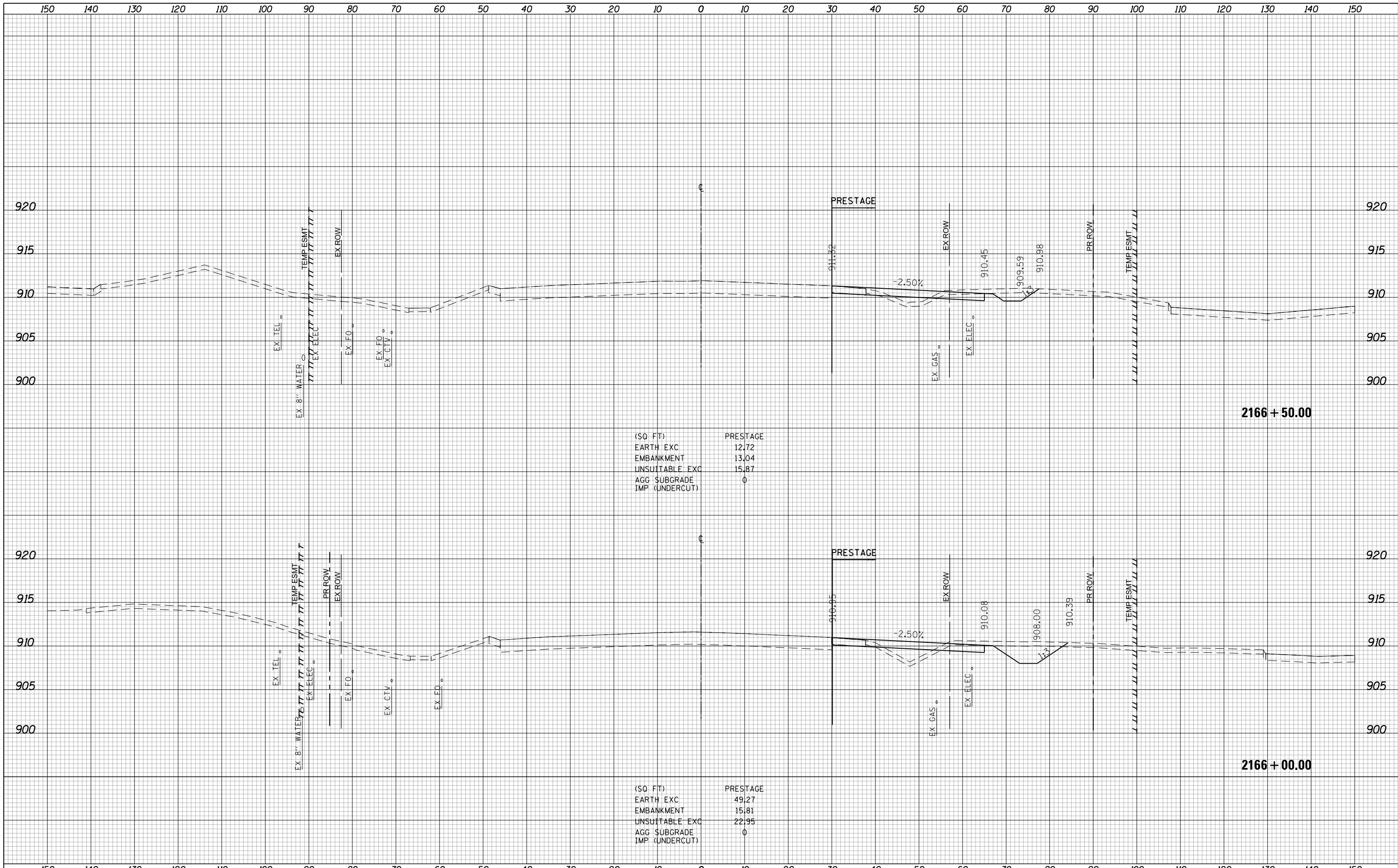
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

SCALE: 10 H: 5 V SHEET 763 OF 1751 SHEETS STA. 2165+00.00 TO STA. 2165+50.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	763
CONTRACT NO.			61E53	

ILLINOIS FED. AID PROJECT



(SQ. FT) PRESTAGE

EARTH EXC	12.72
EMBANKMENT	13.04
UNSUITABLE EXC	15.87
AGG. SUBGRADE IMP. (UNDERCUT)	0

(SQ. FT) PRESTAGE

EARTH EXC	49.27
EMBANKMENT	15.81
UNSUITABLE EXC	22.95
AGG. SUBGRADE IMP. (UNDERCUT)	0

USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

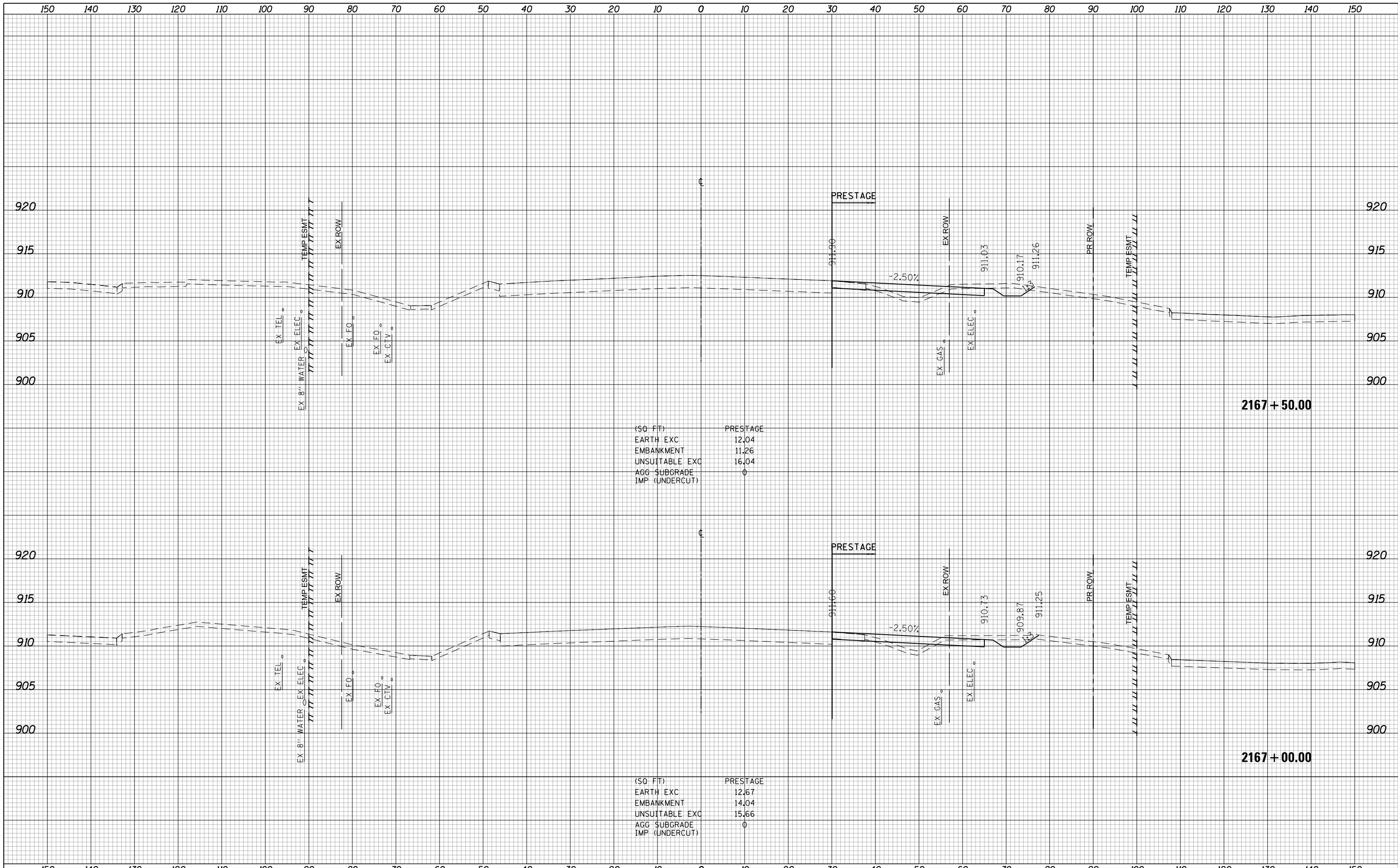
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

SCALE: 10 H: 5 V SHEET 764 OF 1751 SHEETS STA. 2166+00.00 TO STA. 2166+50.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	764
			CONTRACT NO.	61E53

ILLINOIS FED. AID PROJECT



(SQ. FT) PRESTAGE

EARTH EXC	12.04
EMBANKMENT	11.26
UNSUITABLE EXC	16.04
AGG. SUBGRADE	0
IMP. (UNDERCUT)	0

(SQ. FT) PRESTAGE

EARTH EXC	12.67
EMBANKMENT	14.04
UNSUITABLE EXC	15.66
AGG. SUBGRADE	0
IMP. (UNDERCUT)	0

USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

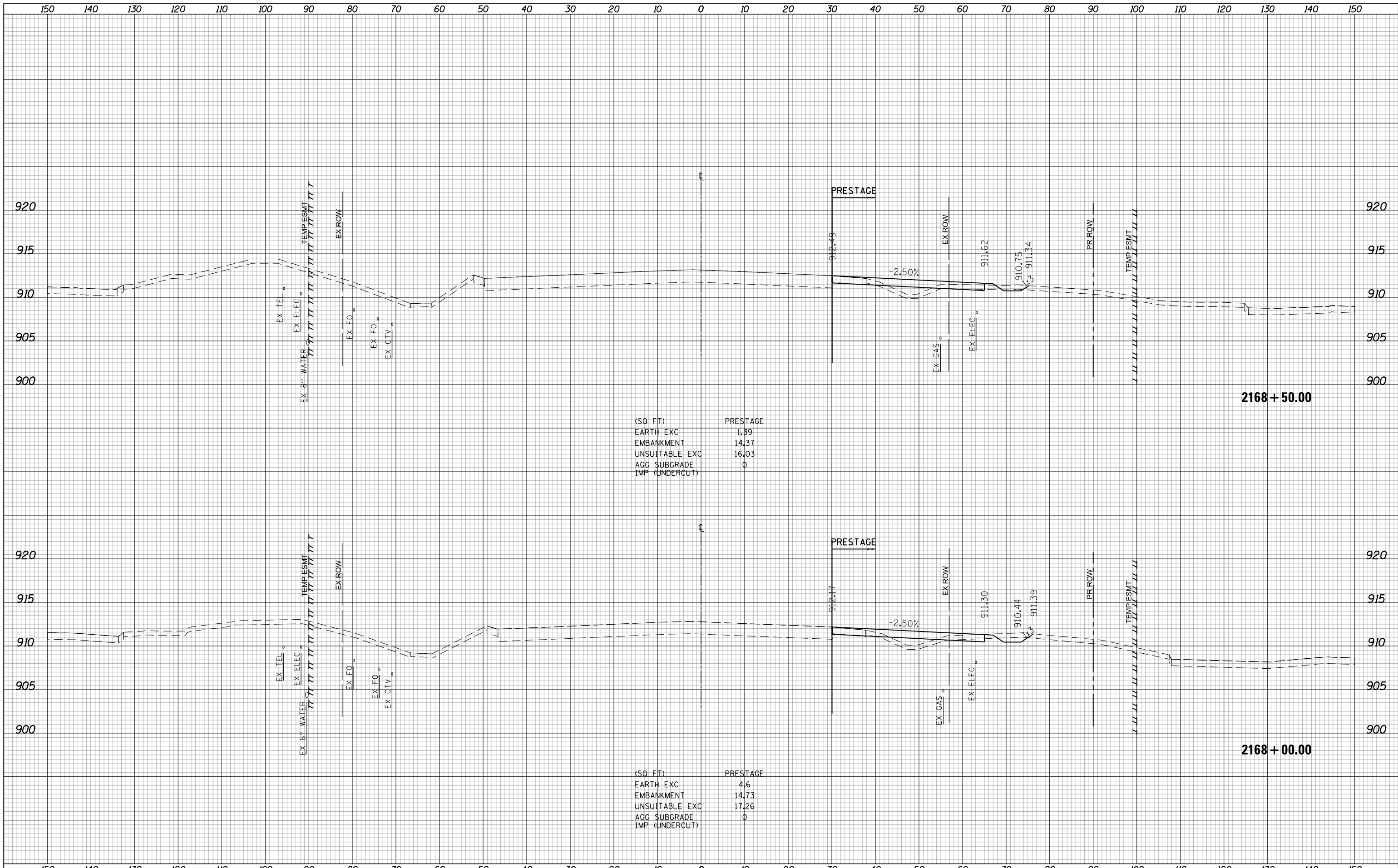
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

SCALE: 10 H: 5 V SHEET 765 OF 1751 SHEETS STA. 2167+00.00 TO STA. 2167+50.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	765
			CONTRACT NO. 61E53	

ILLINOIS FED. AID PROJECT



(SQ. FT) PRESTAGE

EARTH EXC	1.39
EMBANKMENT	14.37
UNSUITABLE EXC	16.03
AGG. SUBGRADE	0
IMP. (UNDERCUT)	0

(SQ. FT) PRESTAGE

EARTH EXC	4.6
EMBANKMENT	14.73
UNSUITABLE EXC	17.26
AGG. SUBGRADE	0
IMP. (UNDERCUT)	0

USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

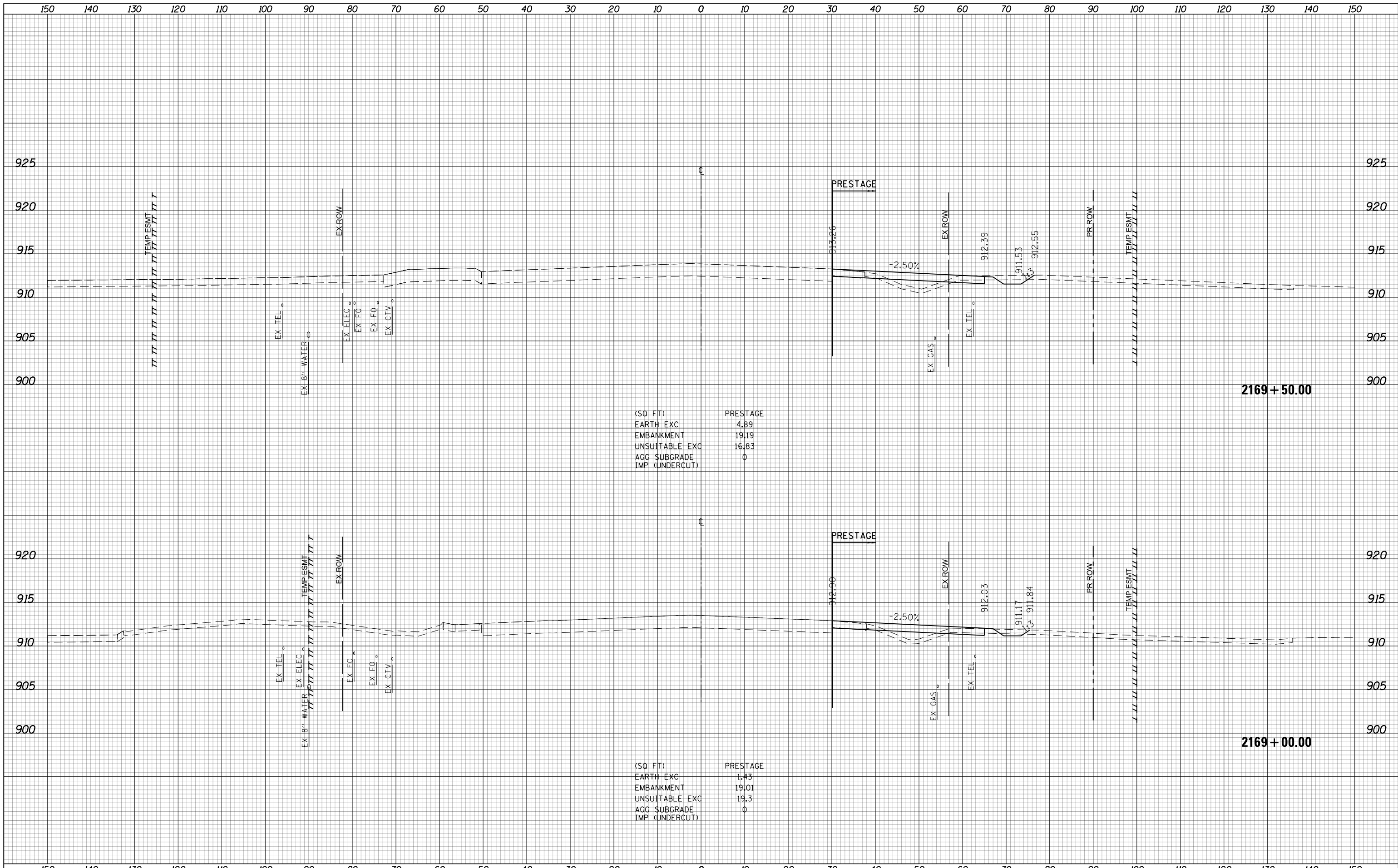
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

SCALE: 10 H: 5 V SHEET 766 OF 1751 SHEETS STA. 2168+00.00 TO STA. 2168+50.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	766
			CONTRACT NO. 61E53	

ILLINOIS FED. AID PROJECT



(SQ FT)

PRESTAGE	4.89
EARTH EXC	19.19
EMBANKMENT	16.83
UNSUITABLE EXC	0
AGG SUBGRADE	
IMP (UNDERCUT)	

(SQ FT)

PRESTAGE	1.43
EARTH EXC	19.01
EMBANKMENT	19.3
UNSUITABLE EXC	0
AGG SUBGRADE	
IMP (UNDERCUT)	

USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

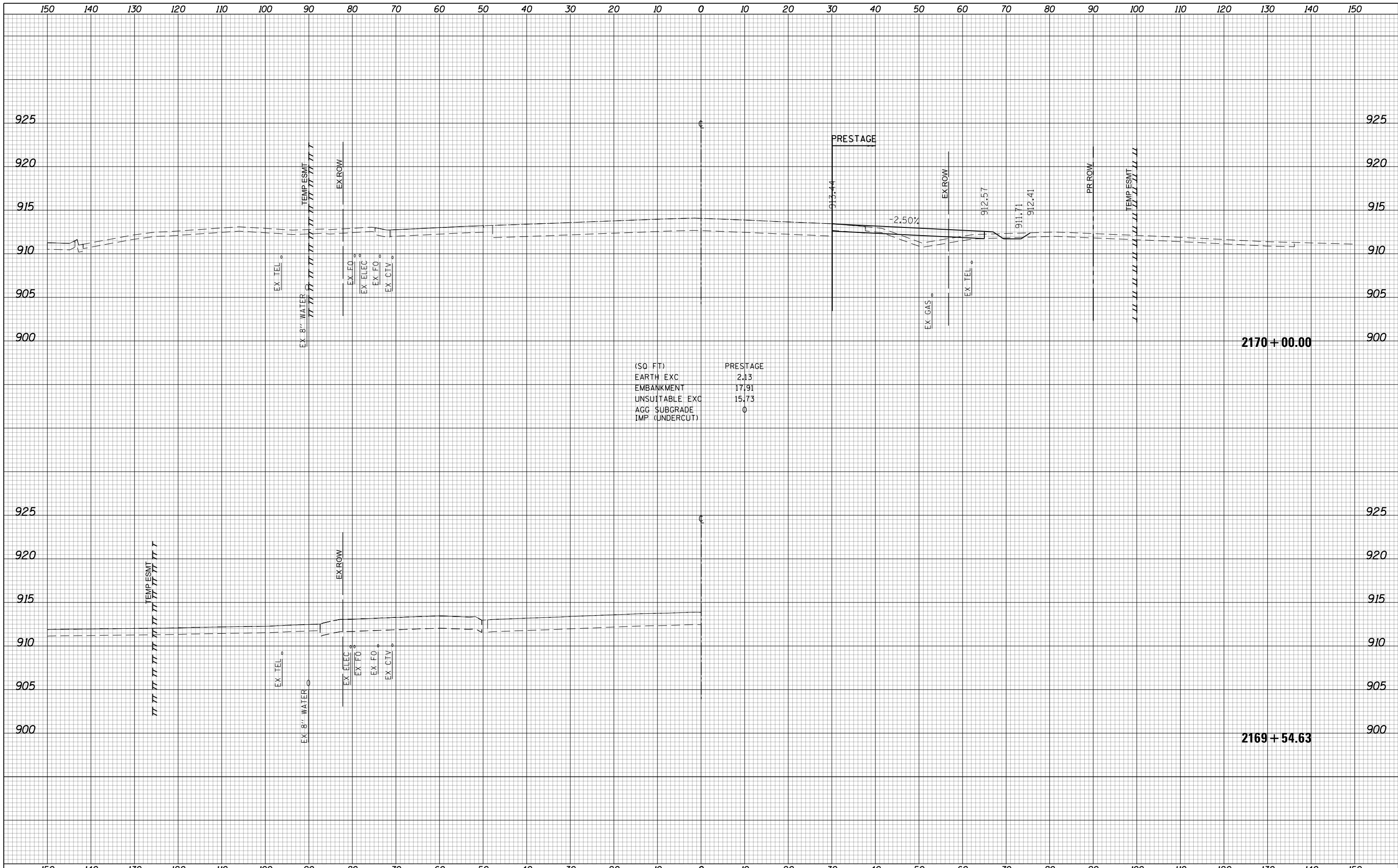
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

SCALE: 10 H: 5 V SHEET 767 OF 1751 SHEETS STA. 2169+00.00 TO STA. 2169+50.00

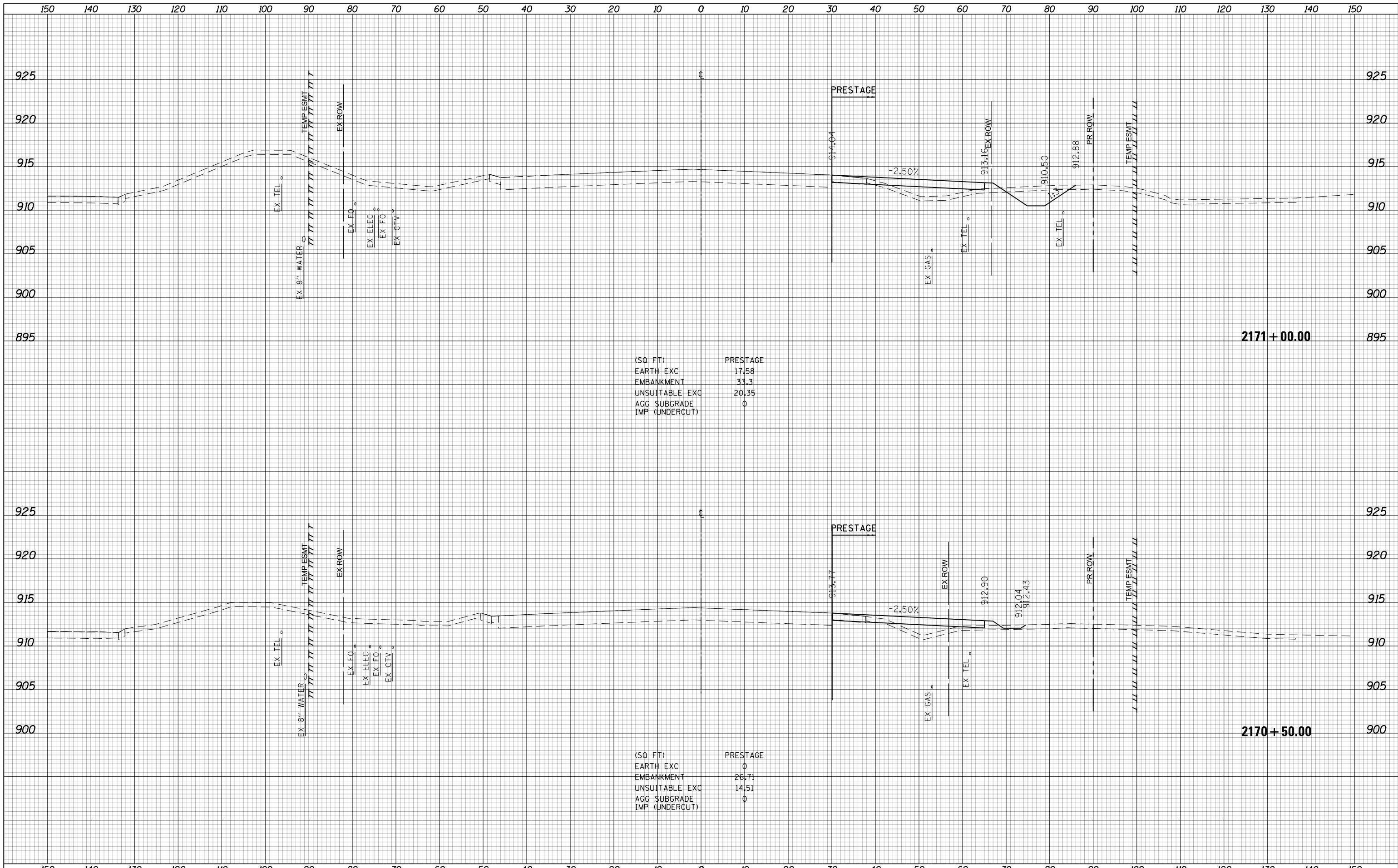
FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	767
			CONTRACT NO. 61E53	

ILLINOIS FED. AID PROJECT



(SQ. FT)	PRESTAGE
EARTH EXC	2.13
EMBANKMENT	17.91
UNSUITABLE EXC	15.73
AGG SUBGRADE	0
IMP (UNDERCUT)	

USER NAME = btwegner	DESIGNED - WBL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD PRESTAGE CROSS SECTIONS		FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 20.0000' / in.	DRAWN - BTW	REVISED -		336	06-00329-01-PW	MCHENRY	1751	768			
PLOT DATE = 4/25/2018	CHECKED - RCB	REVISED -		SCALE: 10 H: 5 V		SHEET 768 OF 1751 SHEETS		STA. 2169+54.63 TO STA. 2170+00.00		CONTRACT NO. 61E53	
DATE - 4-26-2018	REVISIED -	REVISED -		ILLINOIS FED. AID PROJECT							



(SQ FT)	PRESTAGE
EARTH EXC	17.58
EMBANKMENT	33.3
UNSUITABLE EXC	20.35
AGG SUBGRADE	0
IMP (UNDERCUT)	0

(SQ FT)	PRESTAGE
EARTH EXC	0
EMBANKMENT	26.71
UNSUITABLE EXC	14.51
AGG SUBGRADE	0
IMP (UNDERCUT)	0

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

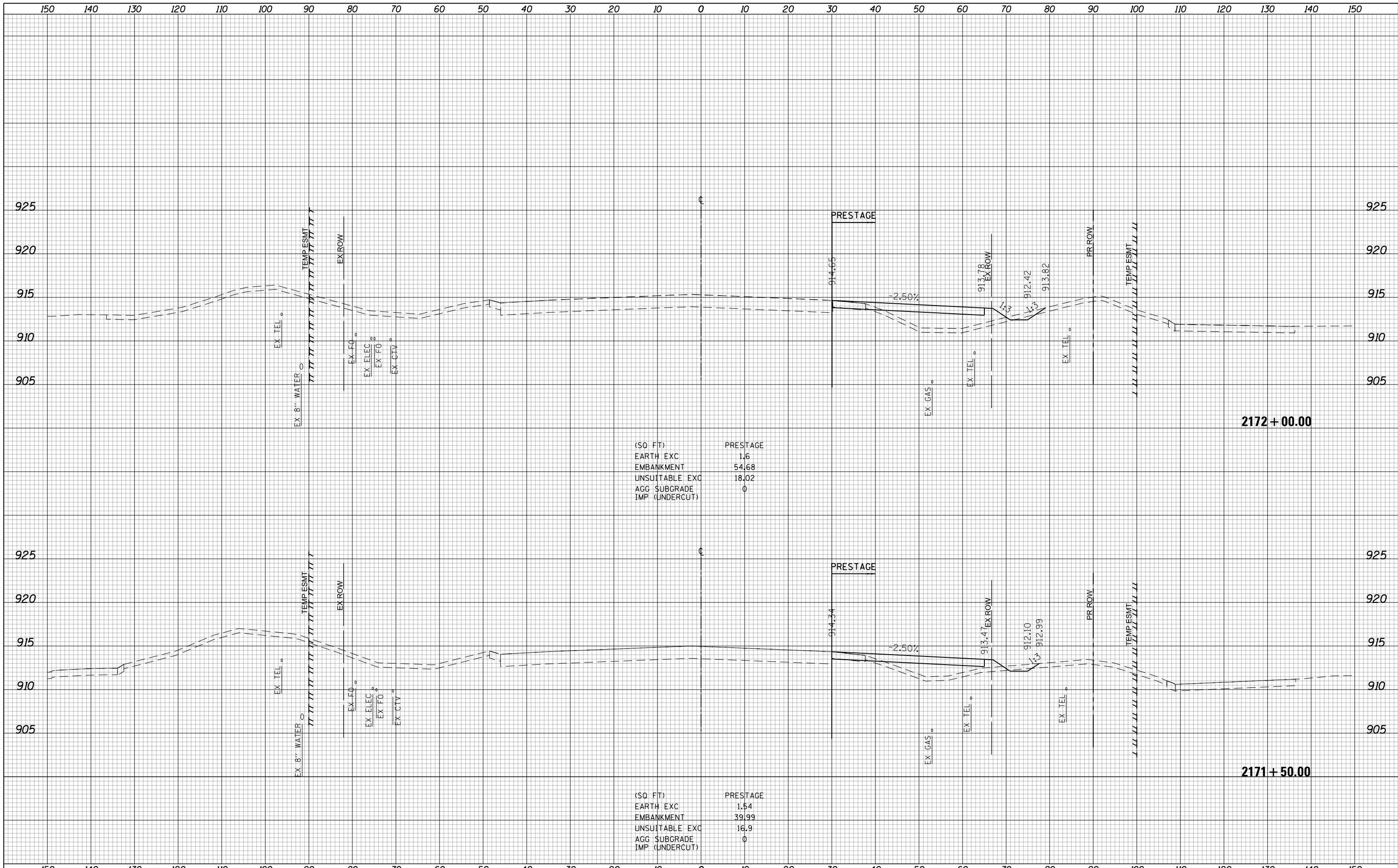
**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

SCALE: 10 H: 5 V SHEET 769 OF 1751 SHEETS STA. 2170+50.00 TO STA. 2171+00.00

USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	769
CONTRACT NO.			61E53	

ILLINOIS FED. AID PROJECT



(SQ. FT)

PRESTAGE	116
EARTH EXC	54.68
EMBANKMENT	18.02
UNSUITABLE EXC	0
AGG SUBGRADE	0
IMP (UNDERCUT)	0

(SQ. FT)

PRESTAGE	1.54
EARTH EXC	39.99
EMBANKMENT	16.9
UNSUITABLE EXC	0
AGG SUBGRADE	0
IMP (UNDERCUT)	0

USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

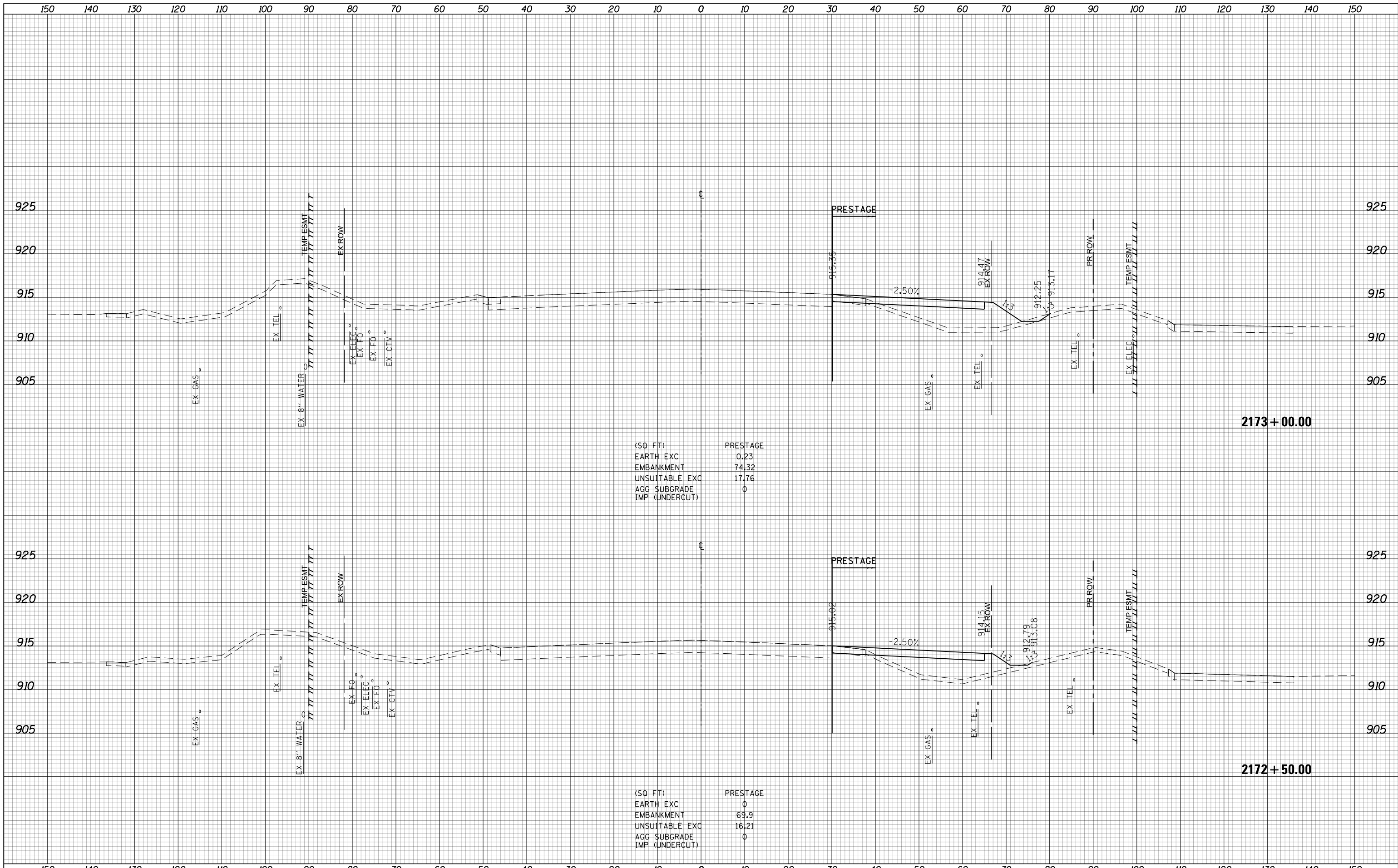
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

SCALE: 10 H: 5 V SHEET 770 OF 1751 SHEETS STA. 2171+50.00 TO STA. 2172+00.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	770
			CONTRACT NO.	61E53

ILLINOIS FED. AID PROJECT



(SQ FT)

PRESTAGE	0.23
EARTH EXC	74.32
EMBANKMENT	17.76
UNSUITABLE EXC	0
AGG SUBGRADE	0
IMP (UNDERCUT)	0

(SQ FT)

PRESTAGE	0
EARTH EXC	69.9
EMBANKMENT	16.21
UNSUITABLE EXC	0
AGG SUBGRADE	0
IMP (UNDERCUT)	0

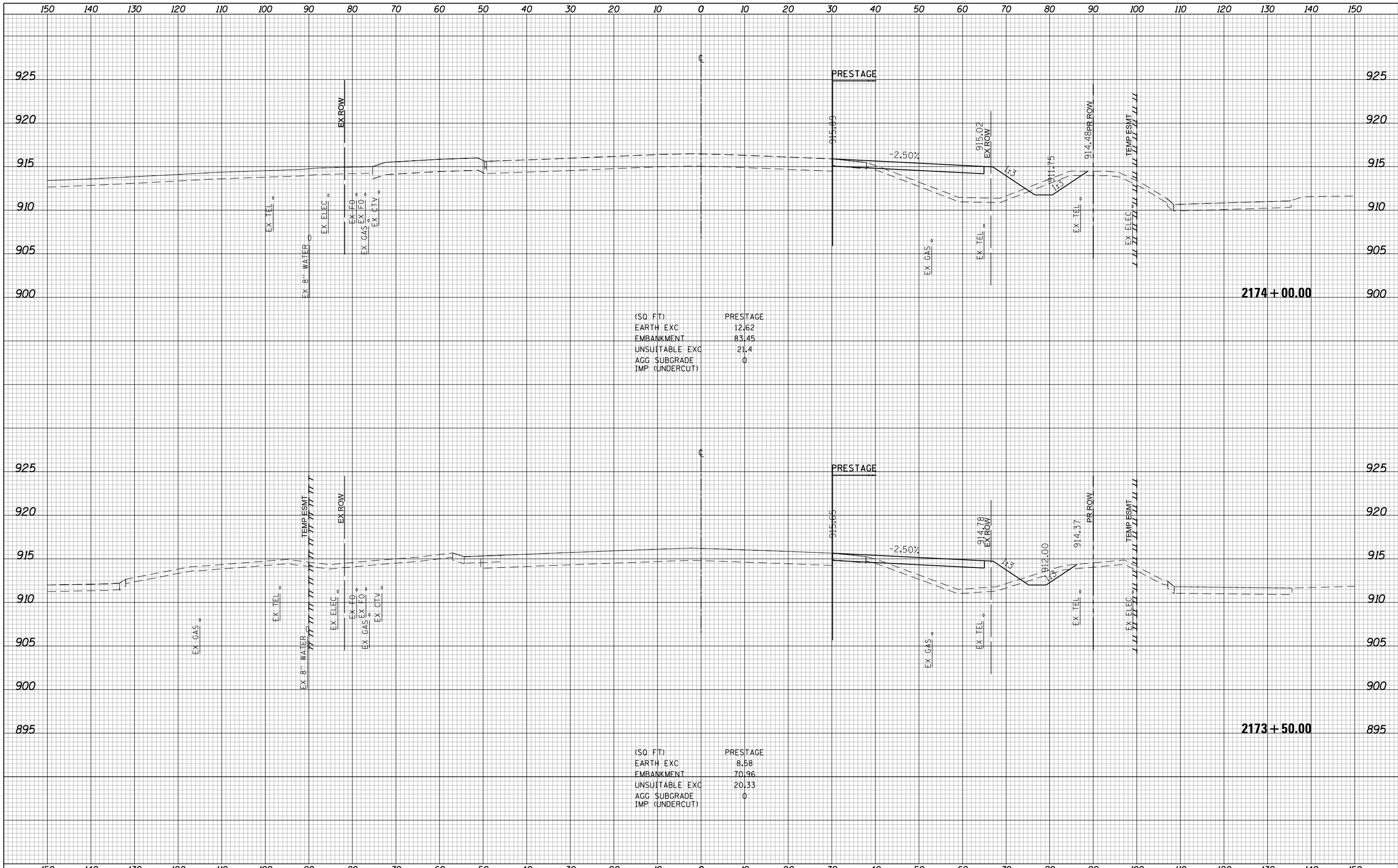
USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

SCALE: 10 H: 5 V SHEET 771 OF 1751 SHEETS STA. 2172+50.00 TO STA. 2173+00.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	771
			CONTRACT NO.	61E53
ILLINOIS FED. AID PROJECT				



(SQ FT) PRESTAGE

EARTH EXC	12.62
EMBANKMENT	83.45
UNSUITABLE EXC	21.4
AGG SUBGRADE IMP (UNDERCUT)	0

(SQ FT) PRESTAGE

EARTH EXC	8.58
EMBANKMENT	70.96
UNSUITABLE EXC	20.33
AGG SUBGRADE IMP (UNDERCUT)	0

USER NAME = btwagner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

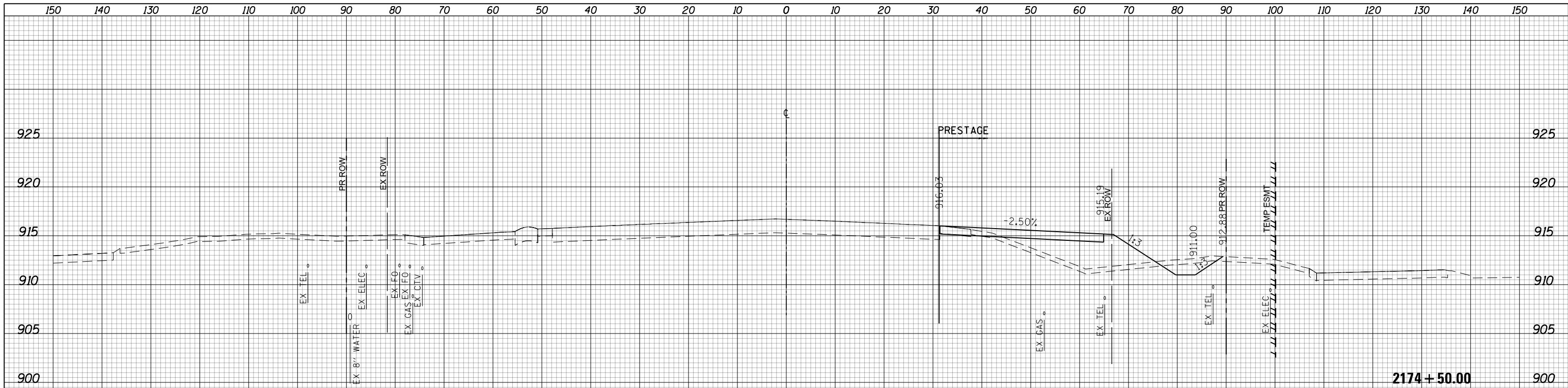
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

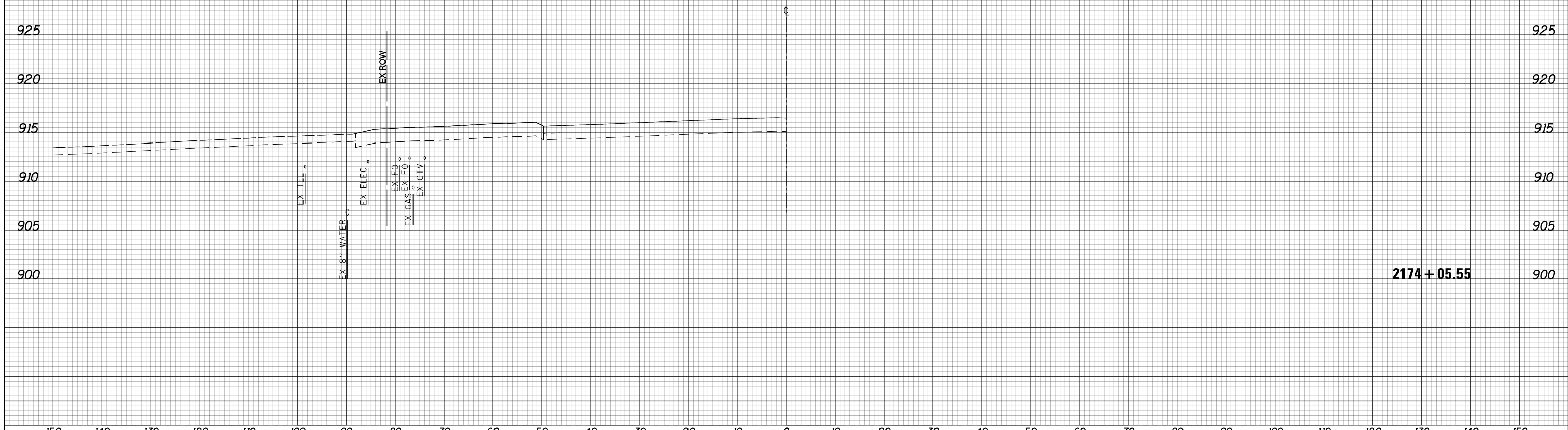
SCALE: 10 H: 5 V SHEET 772 OF 1751 SHEETS STA. 2173+50.00 TO STA. 2174+00.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	772
			CONTRACT NO. 61E53	

ILLINOIS FED. AID PROJECT



(SQ. FT)	PRESTAGE
EARTH EXC	9.59
EMBANKMENT	73.87
UNSUITABLE EXC	21.52
AGG. SUBGRADE	0
IMP. (UNDERCUT)	0



USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

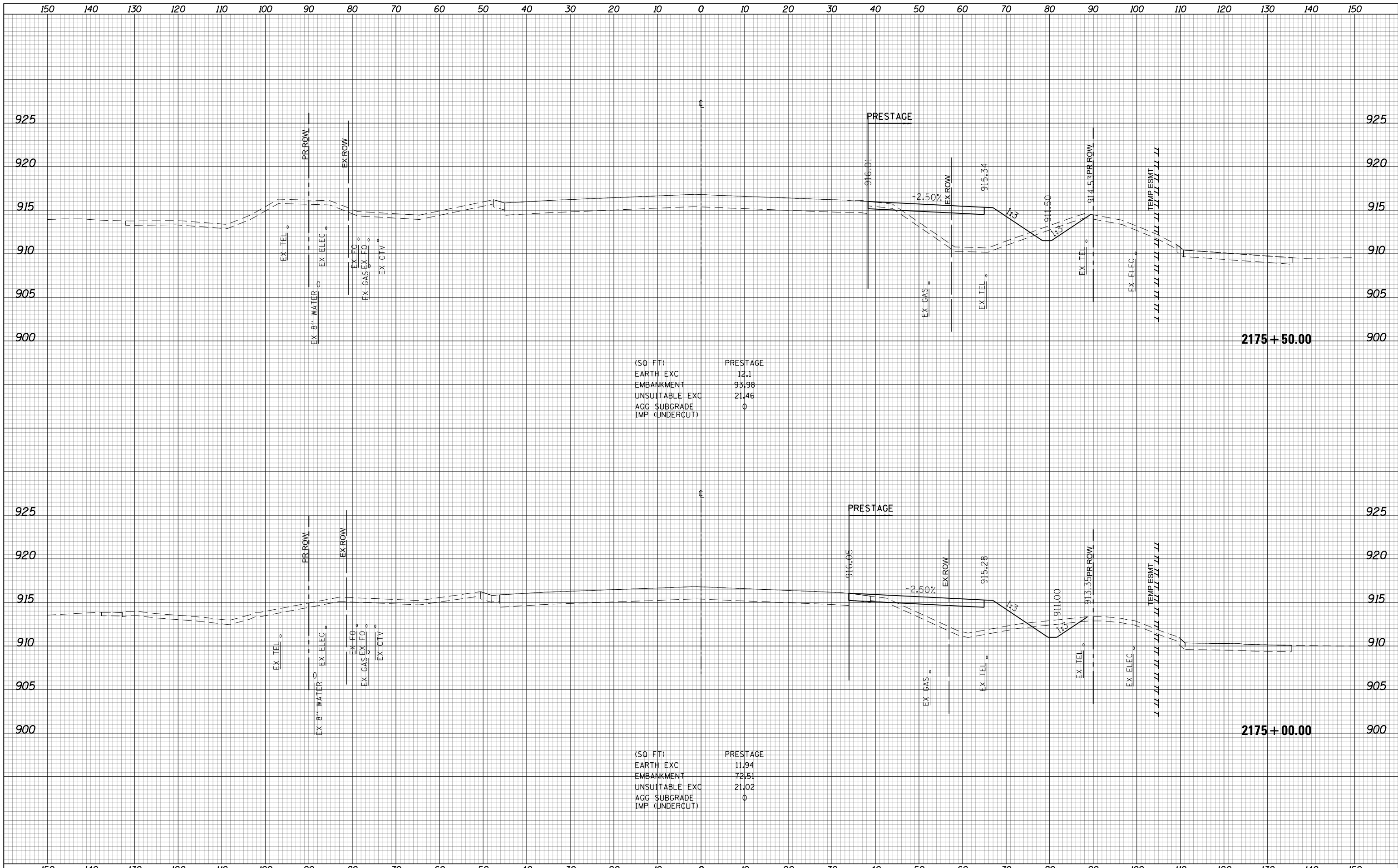
**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

SCALE: 10 H: 5 V SHEET 773 OF 1751 SHEETS STA. 2174+05.55 TO STA. 2174+50.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	773
			CONTRACT NO. 61E53	

ILLINOIS FED. AID PROJECT





(SQ FT)

EARTH EXC	12.1
EMBANKMENT	93.98
UNSUITABLE EXC	21.46
AGG SUBGRADE IMP (UNDERCUT)	0

(SQ FT)

EARTH EXC	11.94
EMBANKMENT	72.51
UNSUITABLE EXC	21.02
AGG SUBGRADE IMP (UNDERCUT)	0

USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

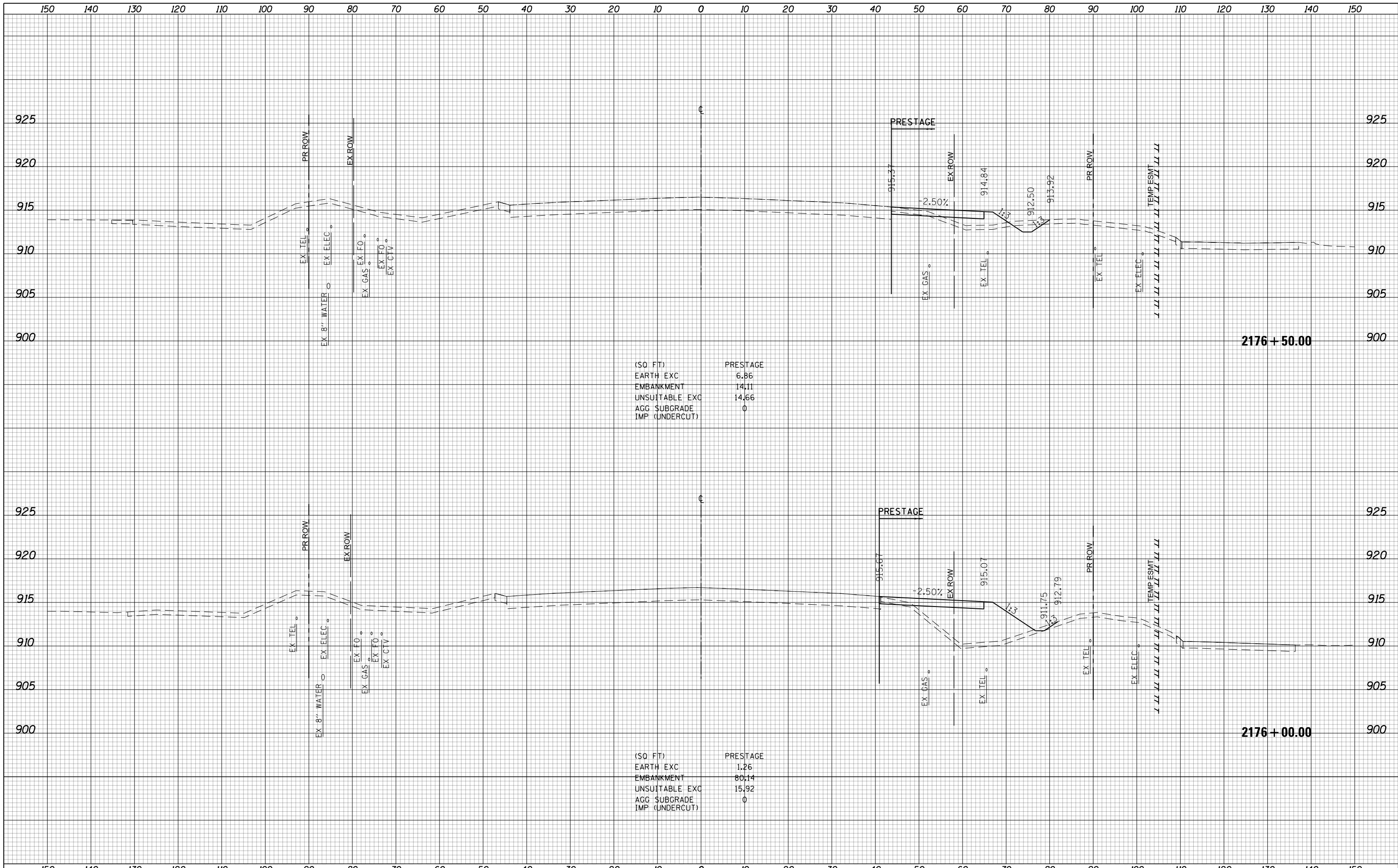
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

SCALE: 10 H: 5 V SHEET 774 OF 1751 SHEETS STA. 2175+00.00 TO STA. 2175+50.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	774
			CONTRACT NO. 61E53	

ILLINOIS FED. AID PROJECT



(SQ. FT) PRESTAGE

EARTH EXC	6.86
EMBANKMENT	14.11
UNSUITABLE EXC	14.66
AGG. SUBGRADE	0
IMP. (UNDERCUT)	0

(SQ. FT) PRESTAGE

EARTH EXC	1.26
EMBANKMENT	80.14
UNSUITABLE EXC	15.92
AGG. SUBGRADE	0
IMP. (UNDERCUT)	0

USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

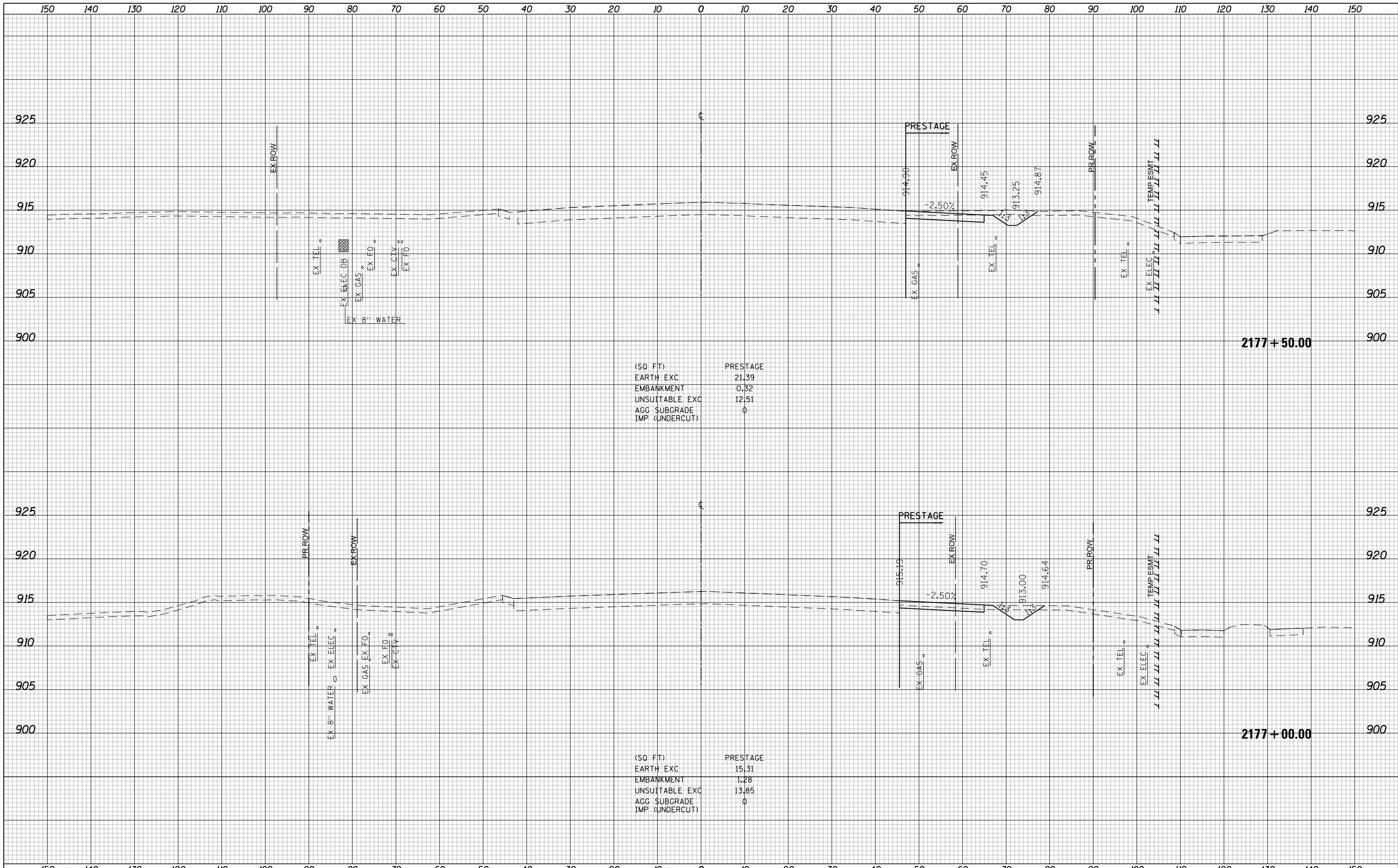
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 10 H: 5 V SHEET 775 OF 1751 SHEETS STA. 2176+00.00 TO STA. 2176+50.00

RANDALL ROAD
PRESTAGE CROSS SECTIONS

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	775
			CONTRACT NO. 61E53	

ILLINOIS FED. AID PROJECT



(SQ. FT)

EARTH EXC	21.39
EMBANKMENT	0.32
UNSUITABLE EXC	12.51
AGG. SUBGRADE	0
IMP. (UNDERCUT)	0

(SQ. FT)

EARTH EXC	15.31
EMBANKMENT	1.28
UNSUITABLE EXC	13.85
AGG. SUBGRADE	0
IMP. (UNDERCUT)	0

USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

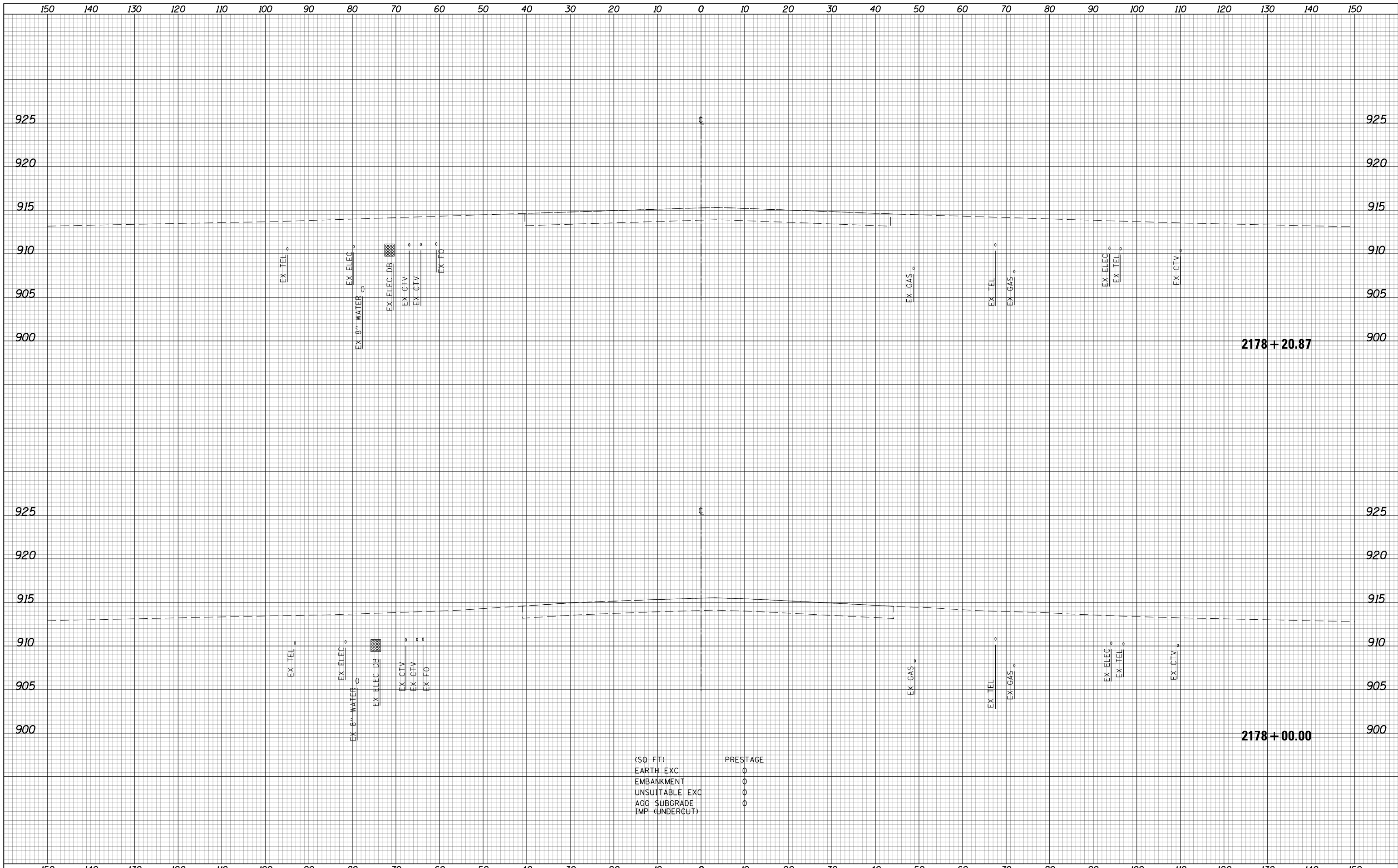
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

SCALE: 10 H: 5 V SHEET 776 OF 1751 SHEETS STA. 2177+00.00 TO STA. 2177+50.00

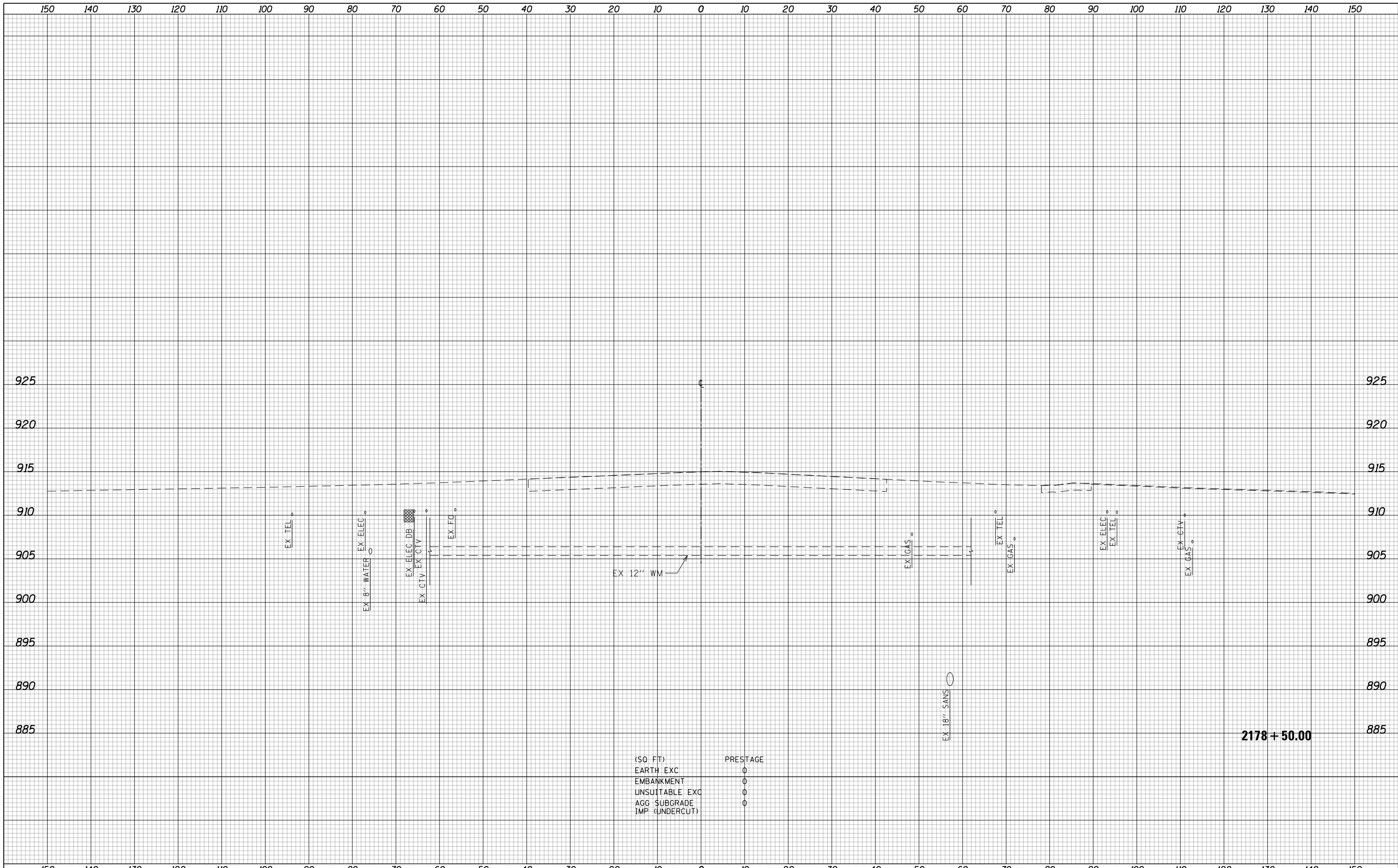
FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	776
			CONTRACT NO. 61E53	

ILLINOIS FED. AID PROJECT



(SQ FT)	PRESTAGE
EARTH EXC	0
EMBANKMENT	0
UNSATURABLE EXC	0
AGG SUBGRADE	0
IMP (UNDERCUT)	0

USER NAME = btwegner	DESIGNED - WBL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD PRESTAGE CROSS SECTIONS		FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 20.0000' / in.	DRAWN - BTW	REVISED -		336	06-00329-01-PW	MCHENRY	1751	777		
PLOT DATE = 4/25/2018	CHECKED - RCB	REVISED -		CONTRACT NO. 61E53						
DATE - 4-26-2018	REVISIED -	REVISED -		ILLINOIS FED. AID PROJECT						
			SCALE: 10 H: 5 V		SHEET 777 OF 1751 SHEETS		STA. 2178+00.00 TO STA. 2178+20.87			



(SQ FT)	PRESTAGE
EARTH EXC	0
EMBANKMENT	0
UNSU(T)ABLE EXC	0
AGG SUBGRADE	0
IMP (UNDERCUT)	0

2178 + 50.00

USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

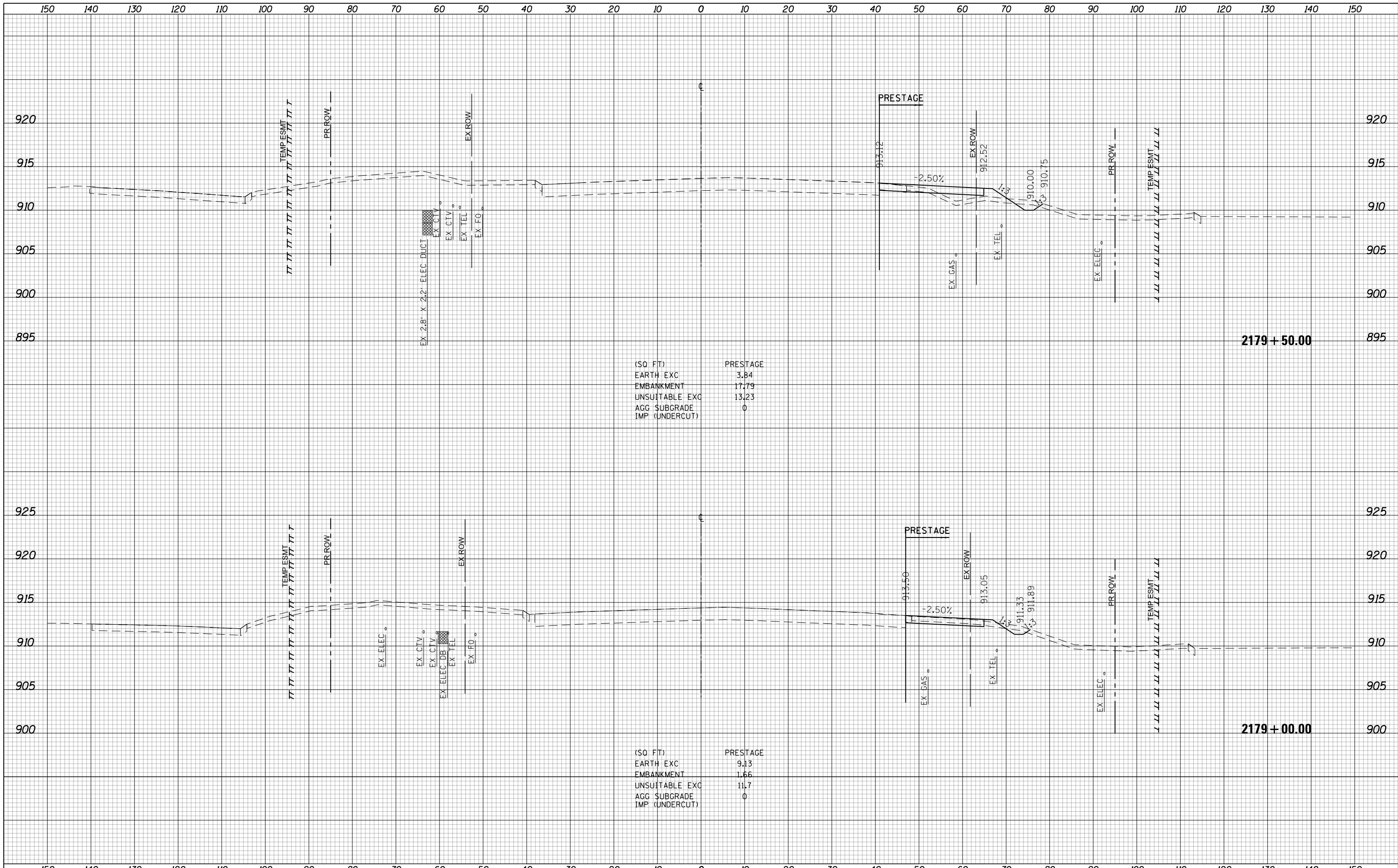
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

SCALE: 10 H: 5 V SHEET 778 OF 1751 SHEETS STA. 2178+50.00 TO STA. 2178+50.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	778
CONTRACT NO.			61E53	

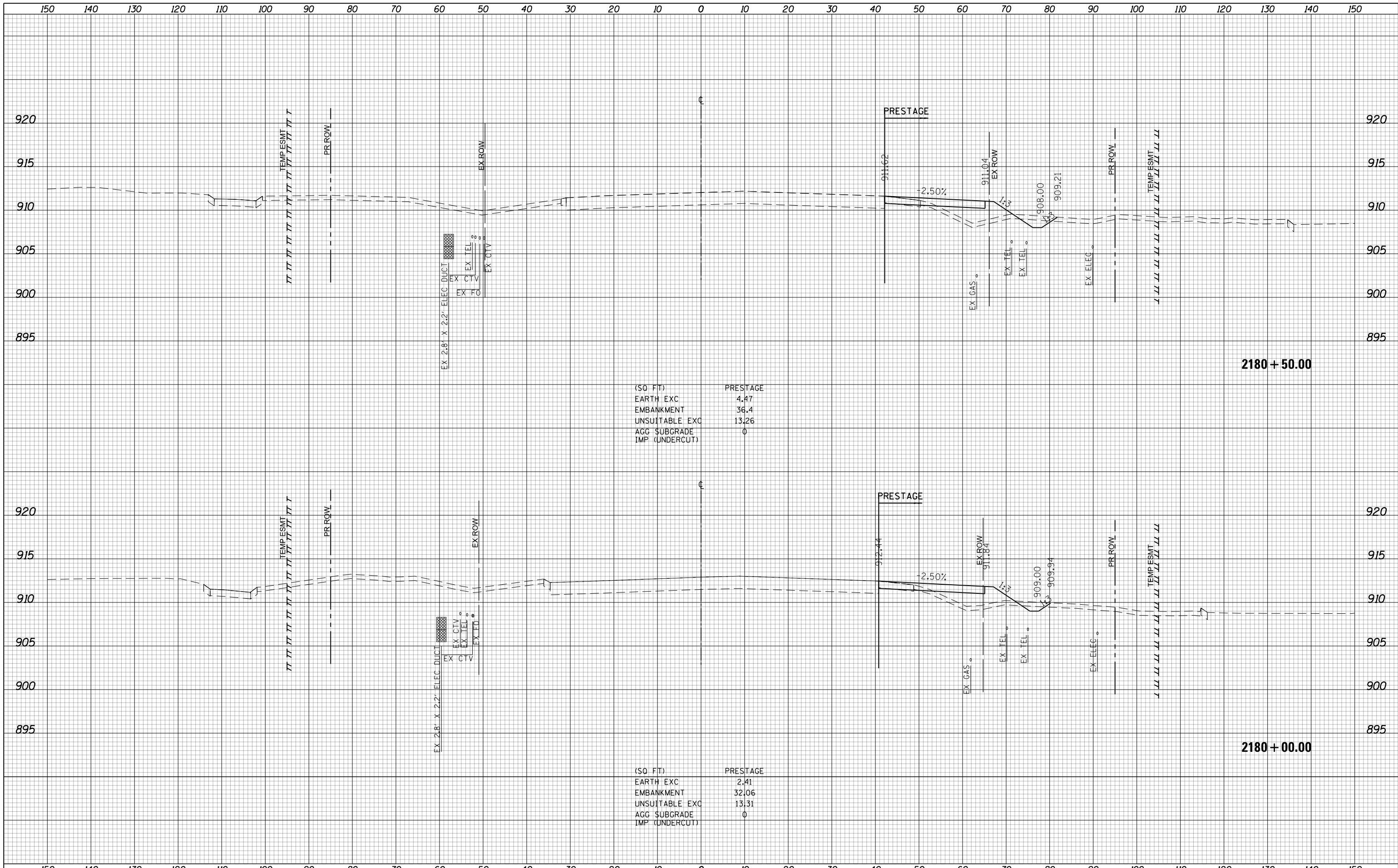
ILLINOIS FED. AID PROJECT



USER NAME = btwegner PLOT SCALE = 20.0000' / in. PLOT DATE = 4/25/2018	DESIGNED - WBL DRAWN - BTW CHECKED - RCB DATE - 4-26-2018	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD PRESTAGE CROSS SECTIONS	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>FAP RTE</th> <th>SECTION</th> <th>COUNTY</th> <th>TOTAL SHEETS</th> <th>SHEET NO.</th> </tr> <tr> <td>336</td> <td>06-00329-01-PW</td> <td>MCHENRY</td> <td>1751</td> <td>779</td> </tr> <tr> <td colspan="3"></td> <td colspan="2">CONTRACT NO. 61E53</td> </tr> </table>	FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	336	06-00329-01-PW	MCHENRY	1751	779				CONTRACT NO. 61E53	
FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.																
336	06-00329-01-PW	MCHENRY	1751	779																
			CONTRACT NO. 61E53																	

SCALE: 10 H: 5 V SHEET 779 OF 1751 SHEETS STA. 2179+00.00 TO STA. 2179+50.00

ILLINOIS FED. AID PROJECT



(SQ FT) PRESTAGE

EARTH EXC	4.47
EMBANKMENT	36.4
UNSUITABLE EXC	13.26
AGG SUBGRADE	0
IMP (UNDERCUT)	0

(SQ FT) PRESTAGE

EARTH EXC	2.41
EMBANKMENT	32.06
UNSUITABLE EXC	13.31
AGG SUBGRADE	0
IMP (UNDERCUT)	0

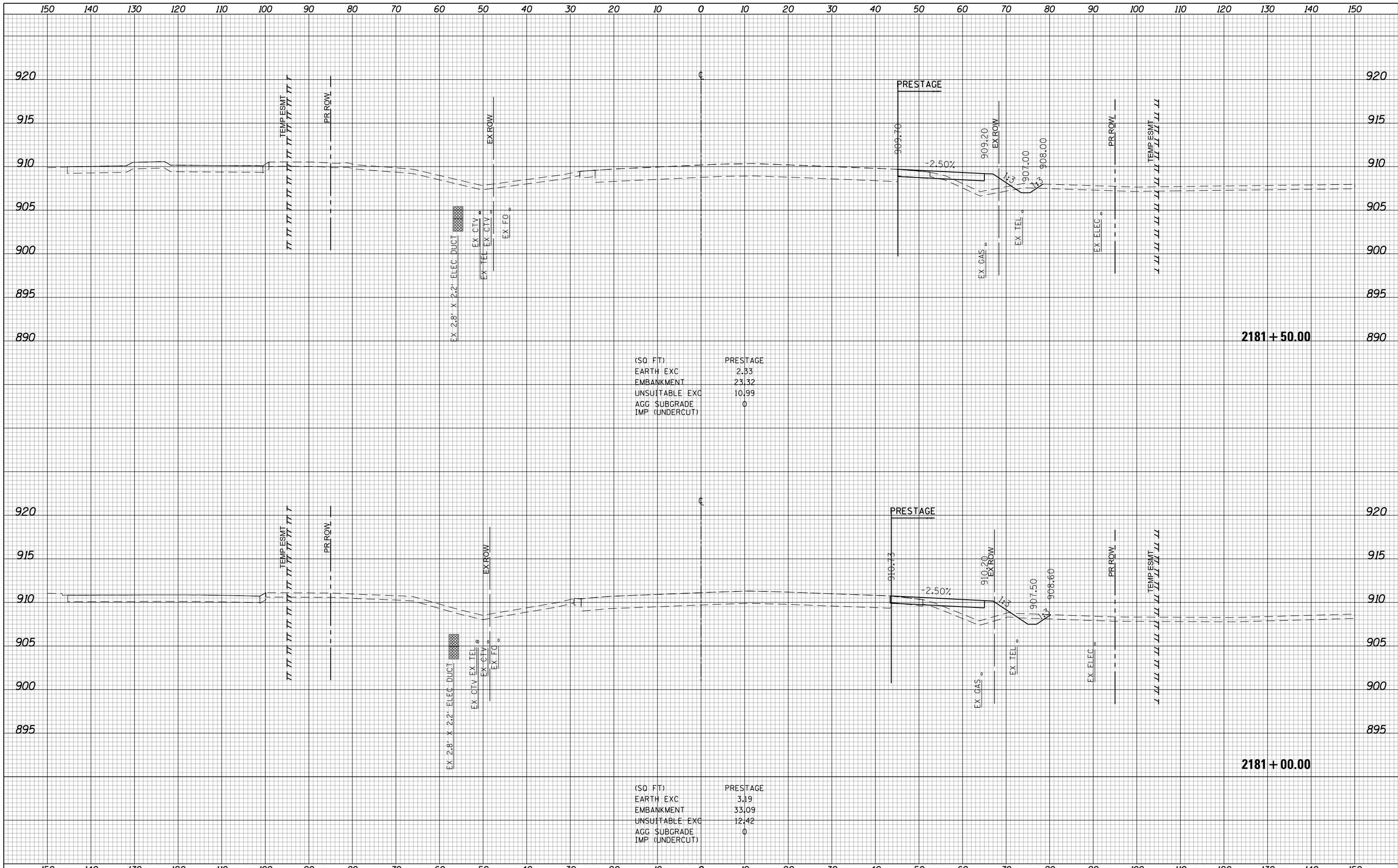
USER NAME = btwagner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

SCALE: 10 H: 5 V SHEET 780 OF 1751 SHEETS STA. 2180+00.00 TO STA. 2180+50.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	780
			CONTRACT NO. 61E53	



(SQ FT)

PRESTAGE	
EARTH EXC	2.33
EMBANKMENT	23.32
UNSUITABLE EXC	10.99
AGG SUBGRADE	0
IMP (UNDERCUT)	0

(SQ FT)

PRESTAGE	
EARTH EXC	3.19
EMBANKMENT	33.09
UNSUITABLE EXC	12.42
AGG SUBGRADE	0
IMP (UNDERCUT)	0

USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

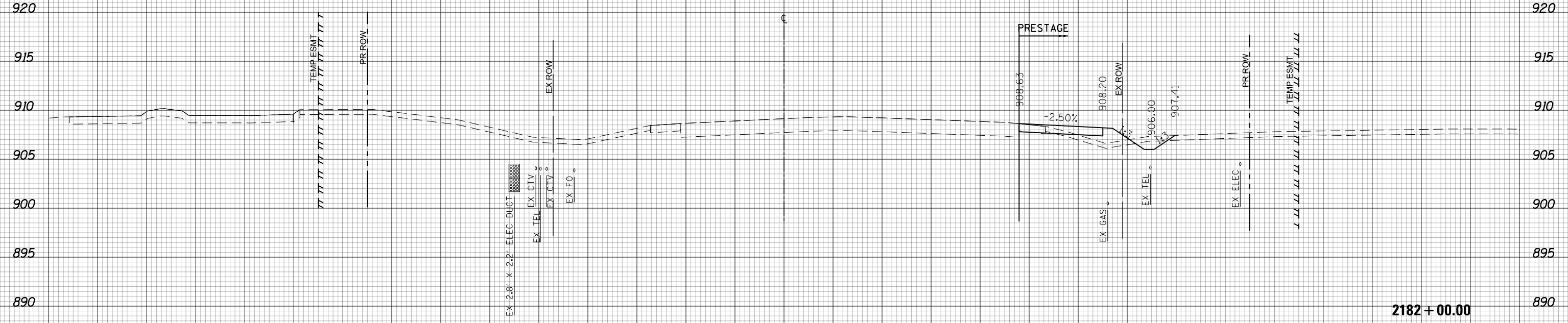
**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

SCALE: 10 H: 5 V SHEET 781 OF 1751 SHEETS STA. 2181+00.00 TO STA. 2181+50.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	781
			CONTRACT NO. 61E53	

ILLINOIS FED. AID PROJECT

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



(SQ FT)	PRESTAGE
EARTH EXC	4.89
EMBANKMENT	10.8
UNSUITABLE EXC	10.66
AGG SUBGRADE	0
IMP (UNDERCUT)	

2182+00.00



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

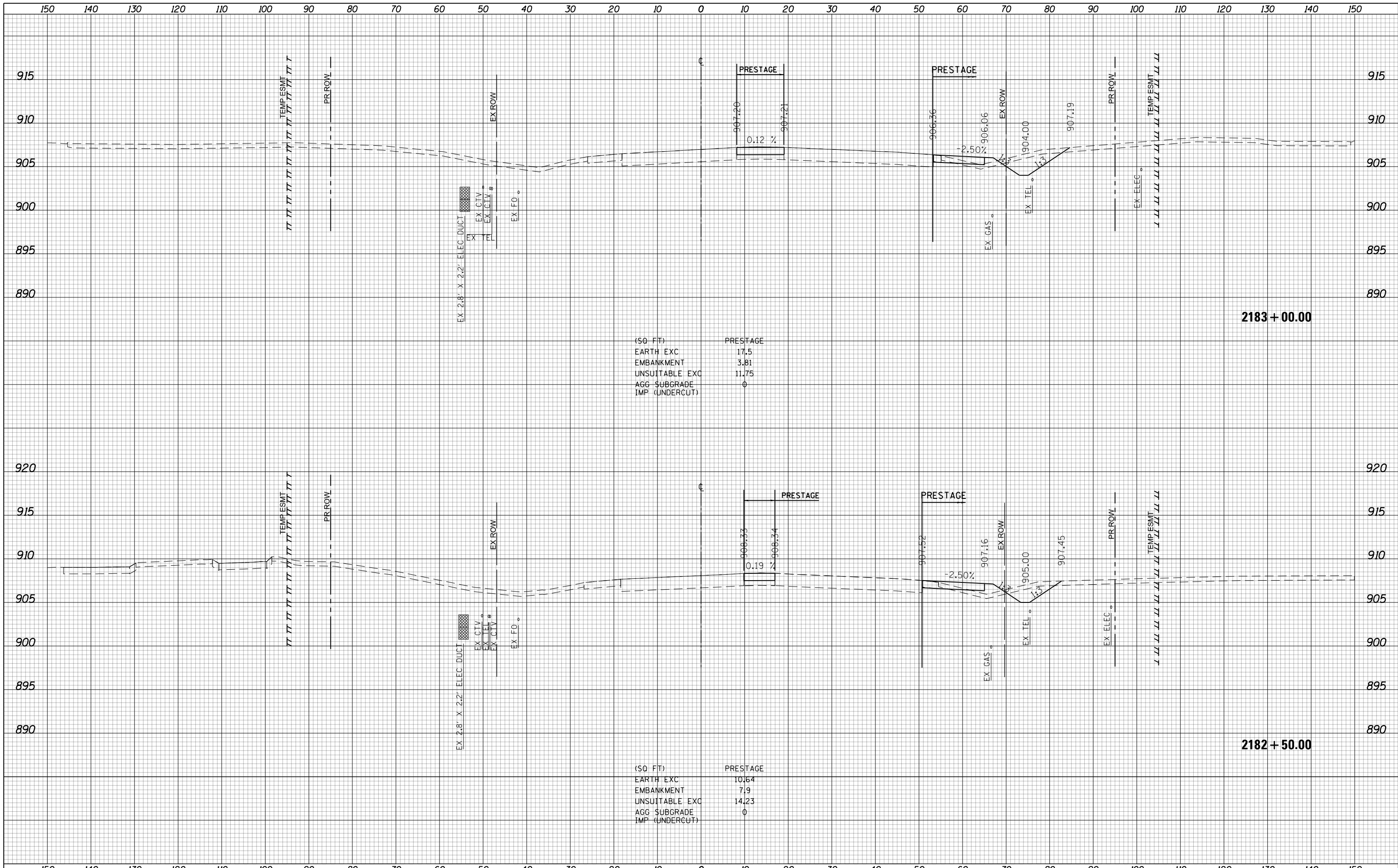
USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RANDALL ROAD PRESTAGE CROSS SECTIONS	
SCALE: 10 H: 5 V	SHEET 782 OF 1751 SHEETS
STA. 2182+00.00 TO STA. 2182+00.00	

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	782
CONTRACT NO.			61E53	

ILLINOIS FED. AID PROJECT



(SQ FT)

PRESTAGE	17.5
EARTH EXC	3.81
EMBANKMENT	11.75
UNSUITABLE EXC	0
AGG SUBGRADE	0
IMP (UNDERCUT)	0

(SQ FT)

PRESTAGE	10.64
EARTH EXC	7.9
EMBANKMENT	14.23
UNSUITABLE EXC	0
AGG SUBGRADE	0
IMP (UNDERCUT)	0

USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

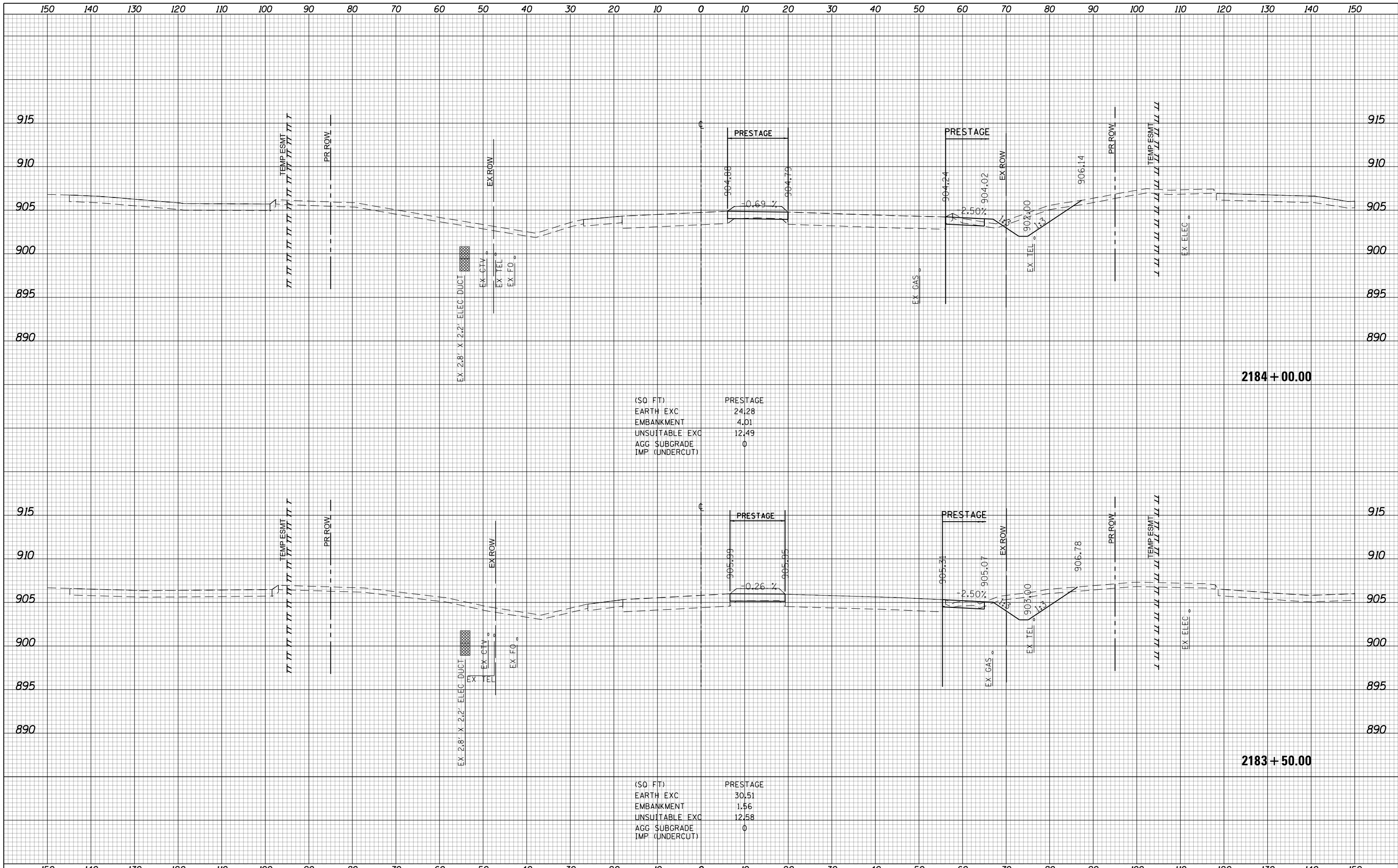
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

SCALE: 10 H: 5 V SHEET 783 OF 1751 SHEETS STA. 2182+50.00 TO STA. 2183+00.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	783
			CONTRACT NO. 61E53	

ILLINOIS FED. AID PROJECT



(SQ. FT)

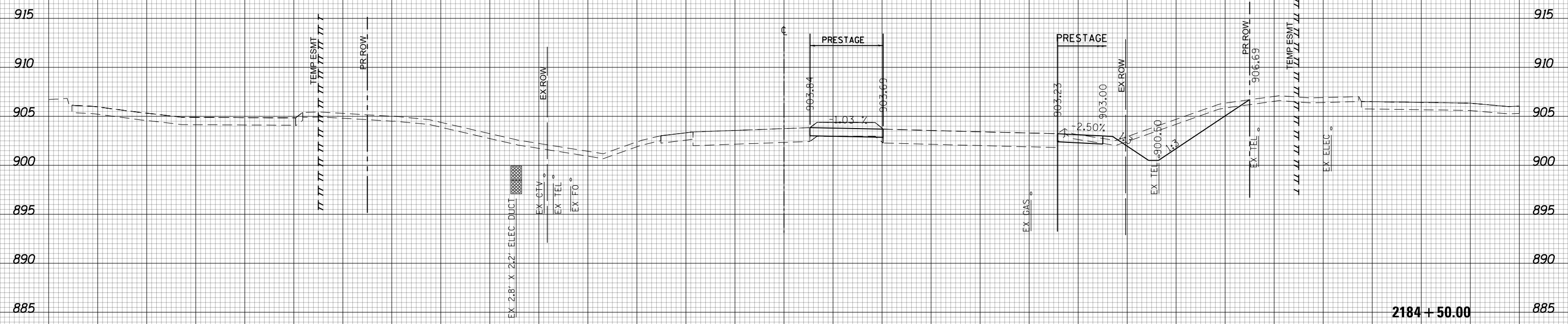
PRESTAGE	
EARTH EXC	24.28
EMBANKMENT	4.01
UNSUITABLE EXC	12.49
AGG. SUBGRADE	0
IMP. (UNDERCUT)	0

(SQ. FT)

PRESTAGE	
EARTH EXC	30.51
EMBANKMENT	1.56
UNSUITABLE EXC	12.58
AGG. SUBGRADE	0
IMP. (UNDERCUT)	0

USER NAME = btwegner	DESIGNED - WBL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD PRESTAGE CROSS SECTIONS			FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 20.0000' / in.	DRAWN - BTW	REVISED -		336	06-00329-01-PW	MCHENRY	1751	784			
PLOT DATE = 4/25/2018	CHECKED - RCB	REVISED -		SCALE: 10 H: 5 V			SHEET 784	OF 1751 SHEETS	STA. 2183+50.00 TO STA. 2184+00.00	CONTRACT NO. 61E53	
	DATE - 4-26-2018	REVISED -		ILLINOIS FED. AID PROJECT							

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



(SQ. FT)	PRESTAGE
EARTH EXC	29.96
EMBANKMENT	1.62
UNSUITABLE EXC	12.78
AGG SUBGRADE	0
IMP (UNDERCUT)	0



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

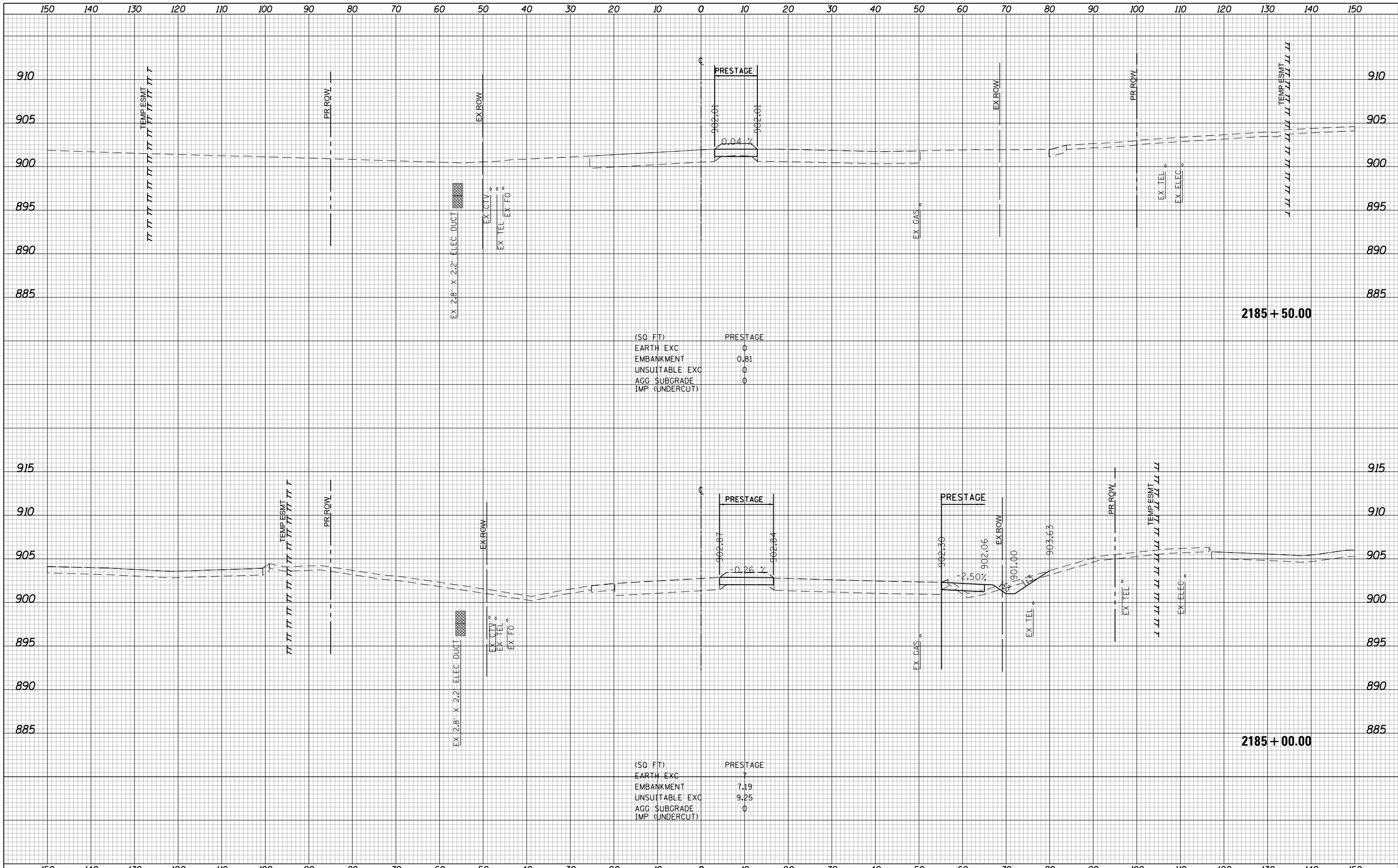
USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RANDALL ROAD PRESTAGE CROSS SECTIONS	
SCALE: 10 H: 5 V	SHEET 785 OF 1751 SHEETS
STA. 2184+50.00 TO STA. 2184+50.00	

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	785
CONTRACT NO.			61E53	

2184 + 50.00



(SQ FT)

PRESTAGE	0
EARTH EXC	0
EMBANKMENT	0.81
UNSUITABLE EXC	0
AGG SUBGRADE	0
IMP (UNDERCUT)	0

(SQ FT)

PRESTAGE	7
EARTH EXC	7.19
EMBANKMENT	9.25
UNSUITABLE EXC	0
AGG SUBGRADE	0
IMP (UNDERCUT)	0

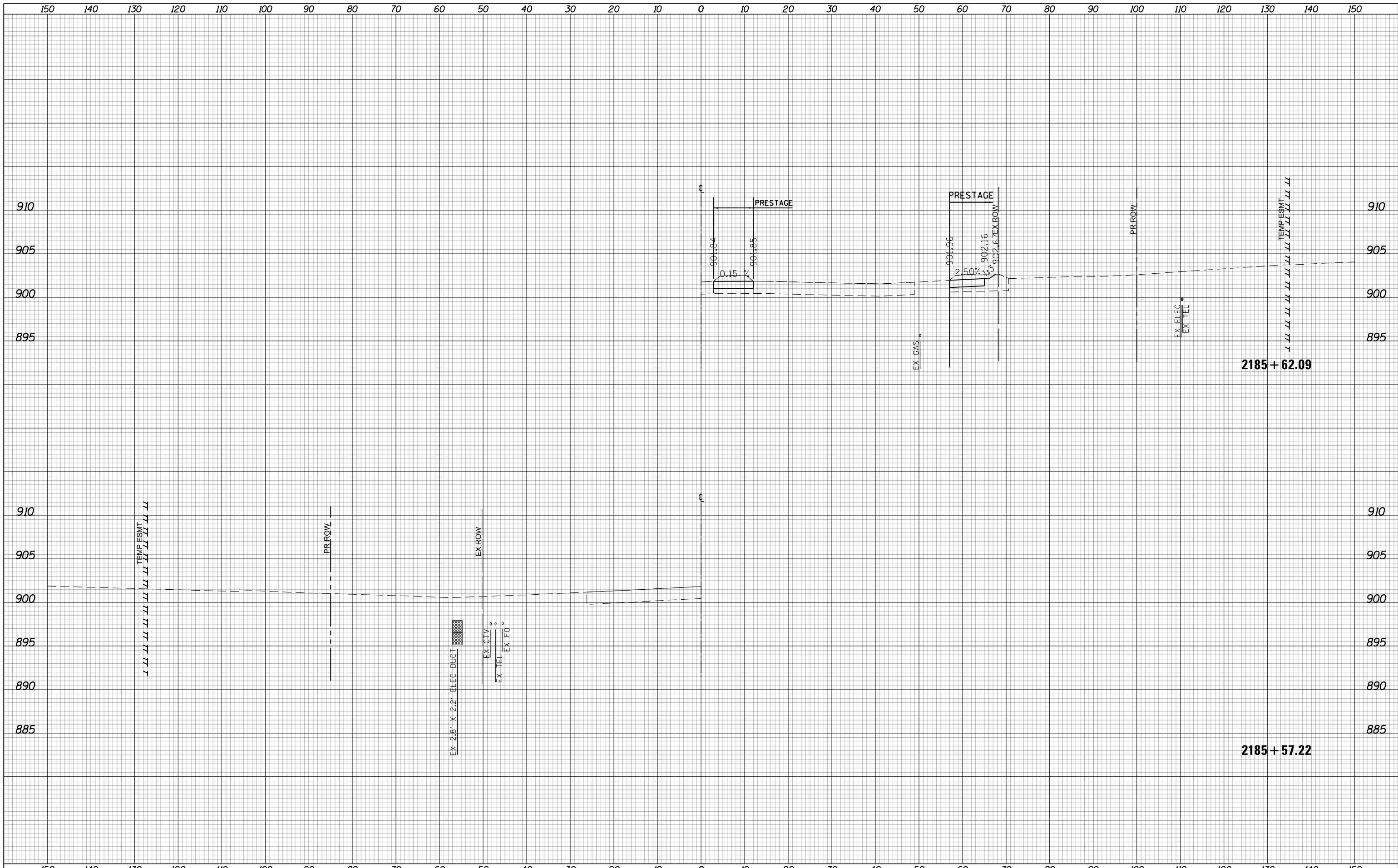
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

SCALE: 10 H: 5 V SHEET 786 OF 1751 SHEETS STA. 2185+00.00 TO STA. 2185+50.00

USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	786
			CONTRACT NO. 61E53	
ILLINOIS FED. AID PROJECT				

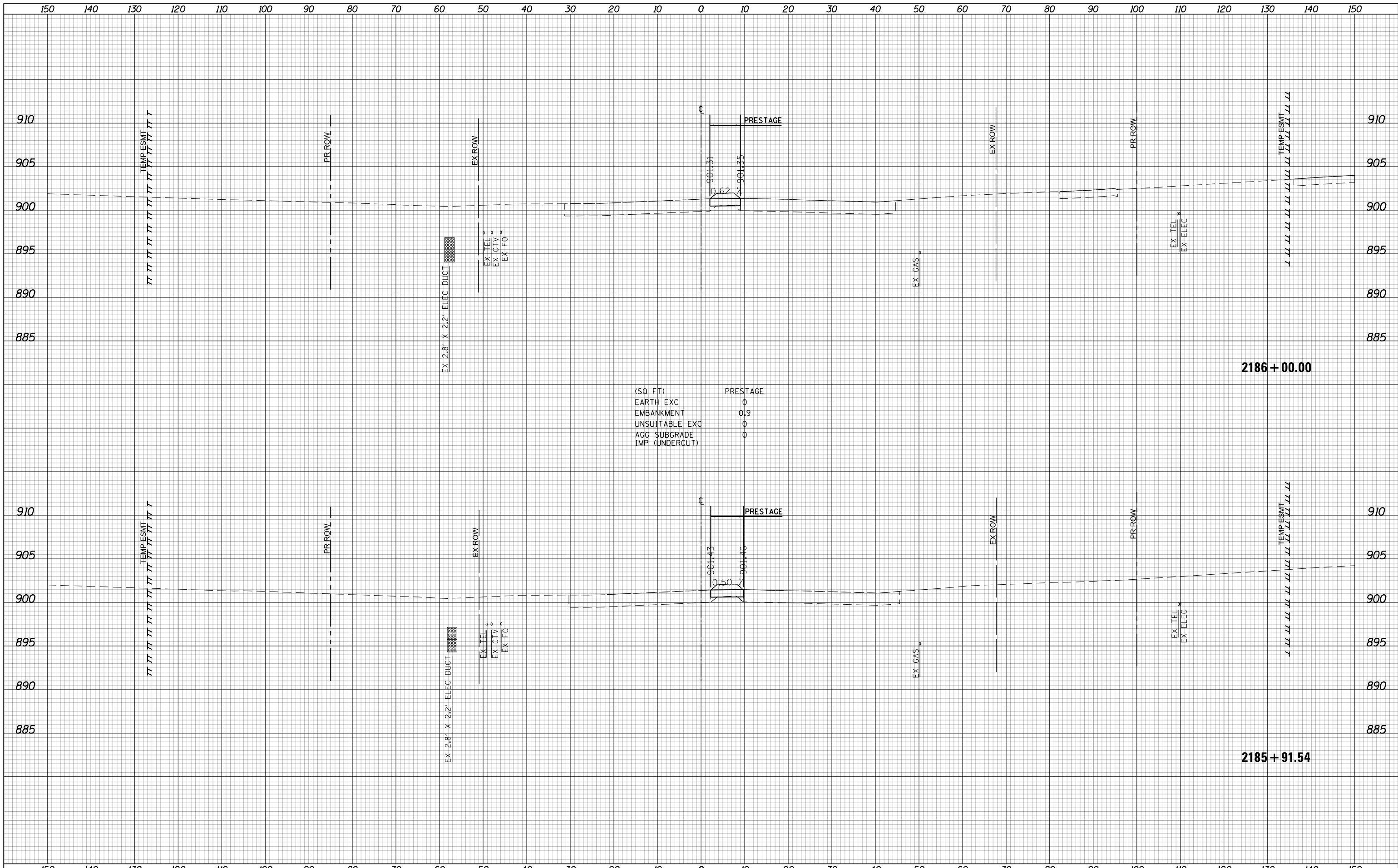


USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RANDALL ROAD PRESTAGE CROSS SECTIONS	
SCALE: 10 H: 5 V	SHEET 787 OF 1751 SHEETS
STA. 2185+57.22	TO STA. 2185+62.09

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	787
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				



(SQ FT)	PRESTAGE
EARTH EXC	0
EMBANKMENT	0.9
UNSUITABLE EXC	0
AGG SUBGRADE	0
IMP (UNDERCUT)	0



USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

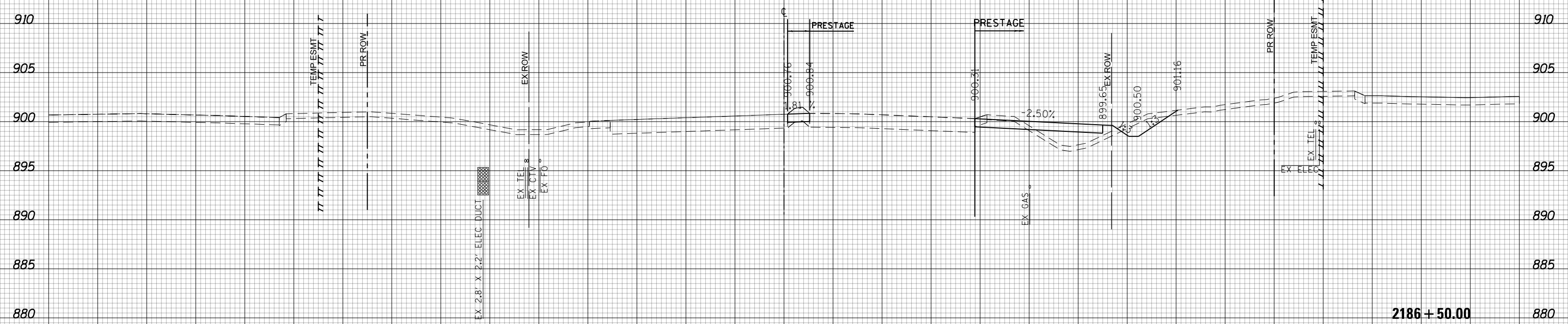
**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

SCALE: 10 H: 5 V SHEET 788 OF 1751 SHEETS STA. 2185+91.54 TO STA. 2186+00.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	788
CONTRACT NO.			61E53	

ILLINOIS FED. AID PROJECT

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



(SQ FT)	PRESTAGE
EARTH EXC	15.38
EMBANKMENT	25.84
UNSUITABLE EXC	16.42
AGG SUBGRADE	0
IMP (UNDERCUT)	0

2186+50.00



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

USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

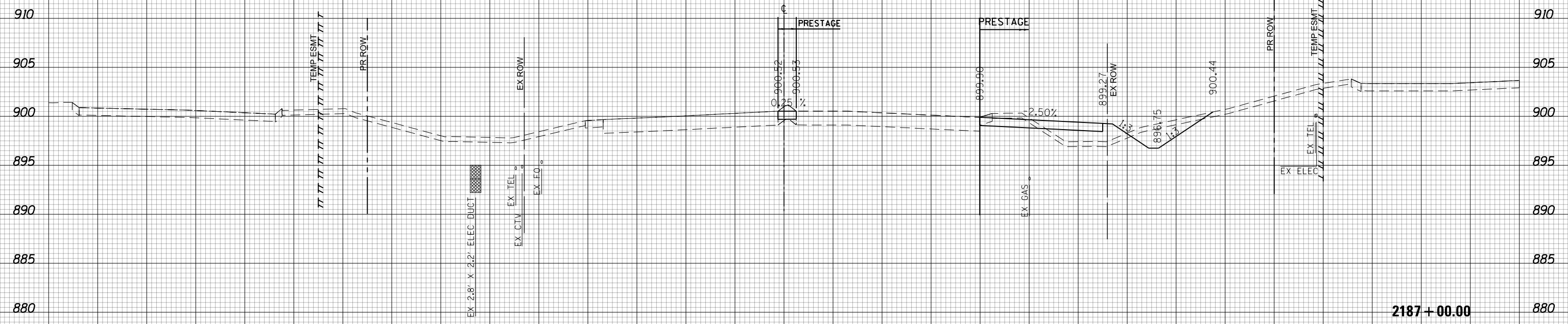
**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

SCALE: 10 H: 5 V SHEET 789 OF 1751 SHEETS STA. 2186+50.00 TO STA. 2186+50.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	789
CONTRACT NO.			61E53	

ILLINOIS FED. AID PROJECT

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



(SQ. FT)	PRESTAGE
EARTH EXC	26
EMBANKMENT	29.31
UNSUITABLE EXC	18.99
AGG. SUBGRADE	0
IMP. (UNDERCUT)	0

2187+00.00



USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

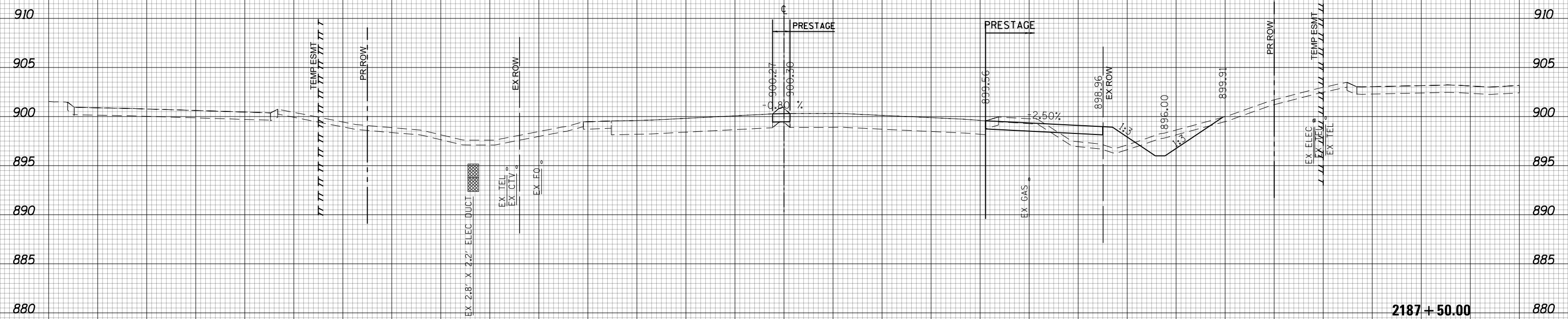
**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

SCALE: 10 H: 5 V SHEET 790 OF 1751 SHEETS STA. 2187+00.00 TO STA. 2187+00.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	790
CONTRACT NO.			61E53	

ILLINOIS FED. AID PROJECT

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



2187+50.00



USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

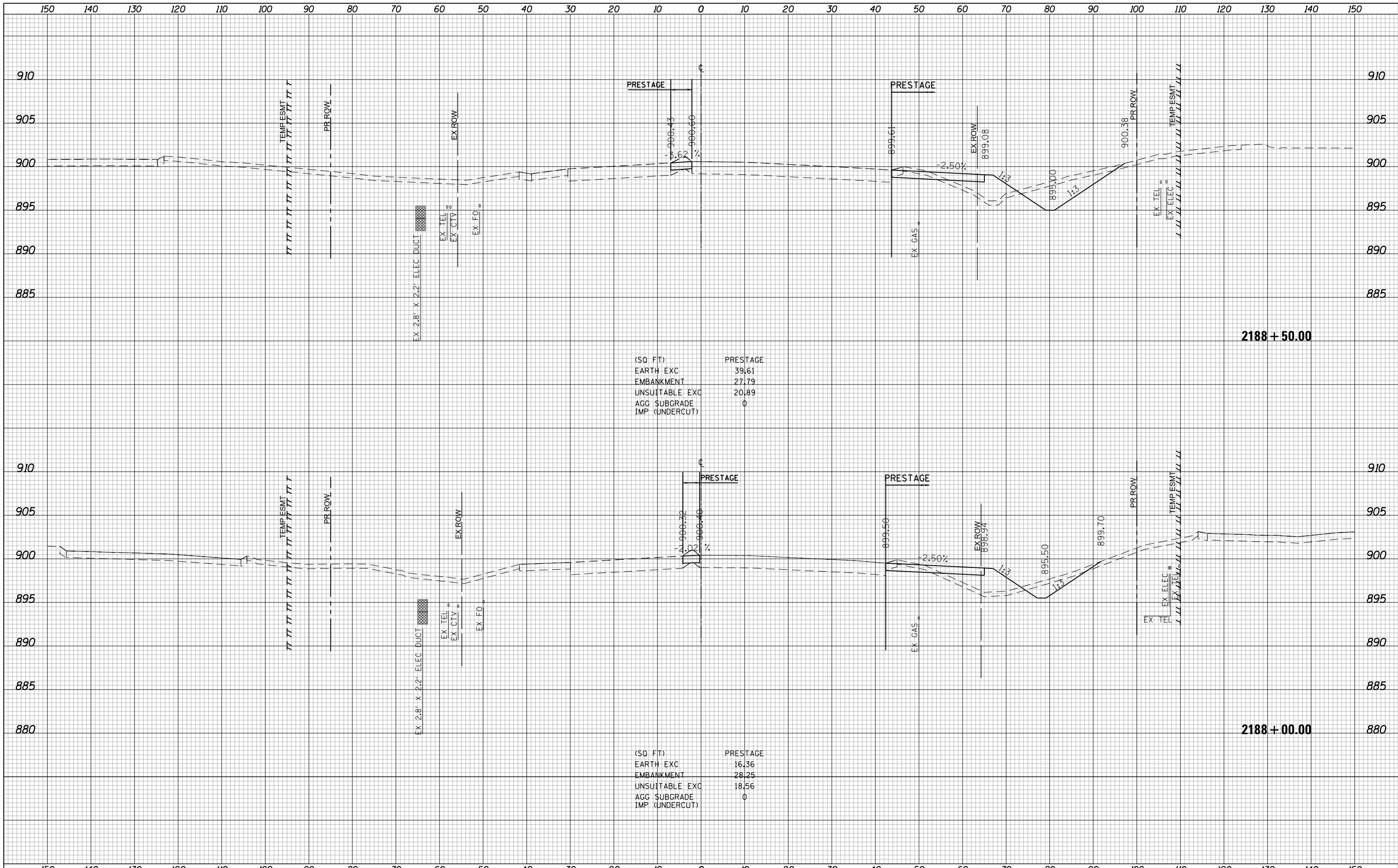
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RANDALL ROAD
PRESTAGE CROSS SECTIONS

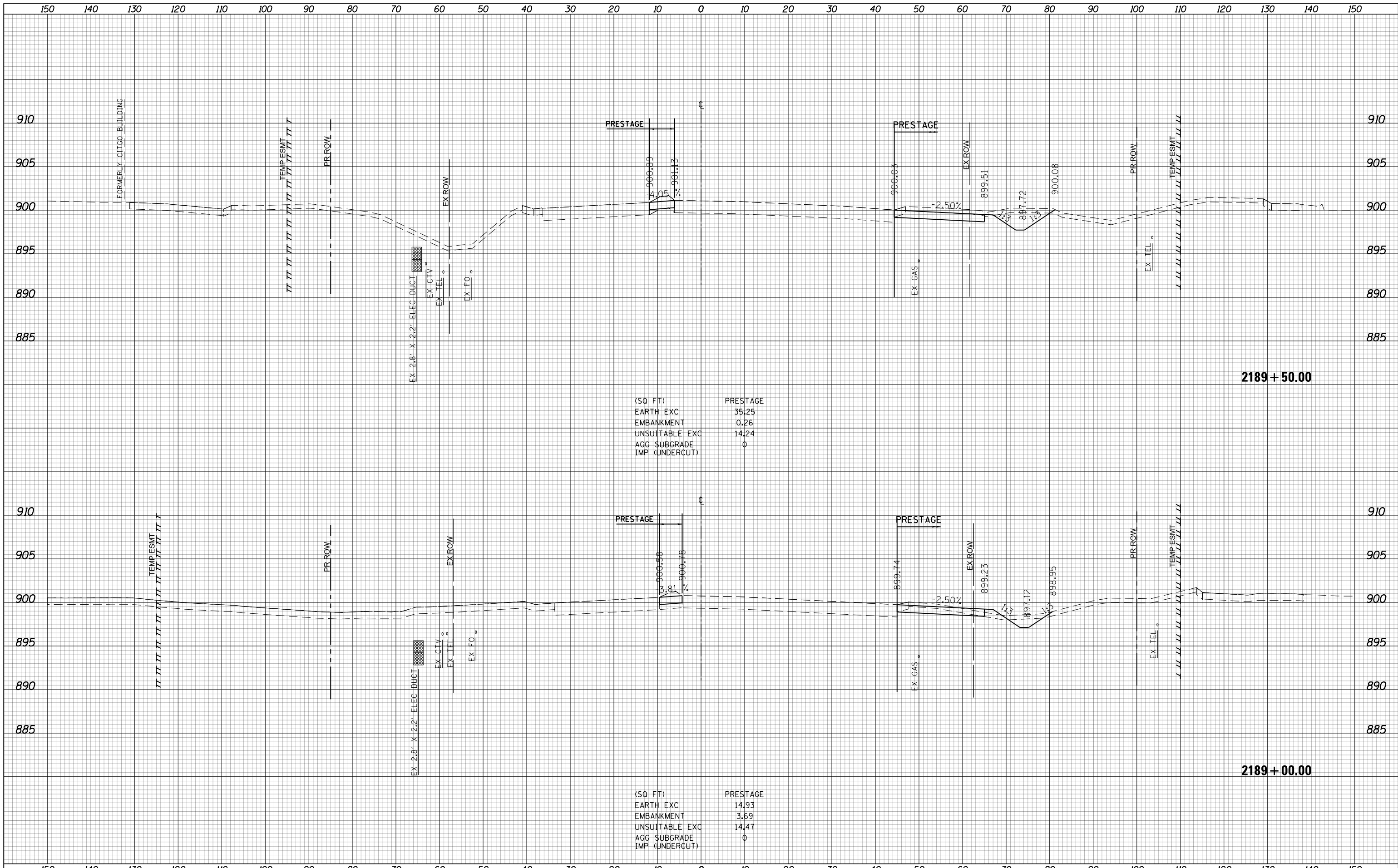
SCALE: 10 H: 5 V SHEET 791 OF 1751 SHEETS STA. 2187+50.00 TO STA. 2187+50.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	791
CONTRACT NO.			61E53	

ILLINOIS FED. AID PROJECT



USER NAME = btwagner	DESIGNED - WBL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD PRESTAGE CROSS SECTIONS			FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 20.0000' / in.	DRAWN - BTW	REVISED -					336	06-00329-01-PW	MCHENRY	1751	792
PLOT DATE = 4/25/2018	CHECKED - RCB	REVISED -					CONTRACT NO. 61E53				
DATE - 4-26-2018	REVISIED -	REVISED -					ILLINOIS FED. AID PROJECT				
			SCALE: 10 H: 5 V			SHEET 792 OF 1751 SHEETS			STA. 2188+00.00 TO STA. 2188+50.00		



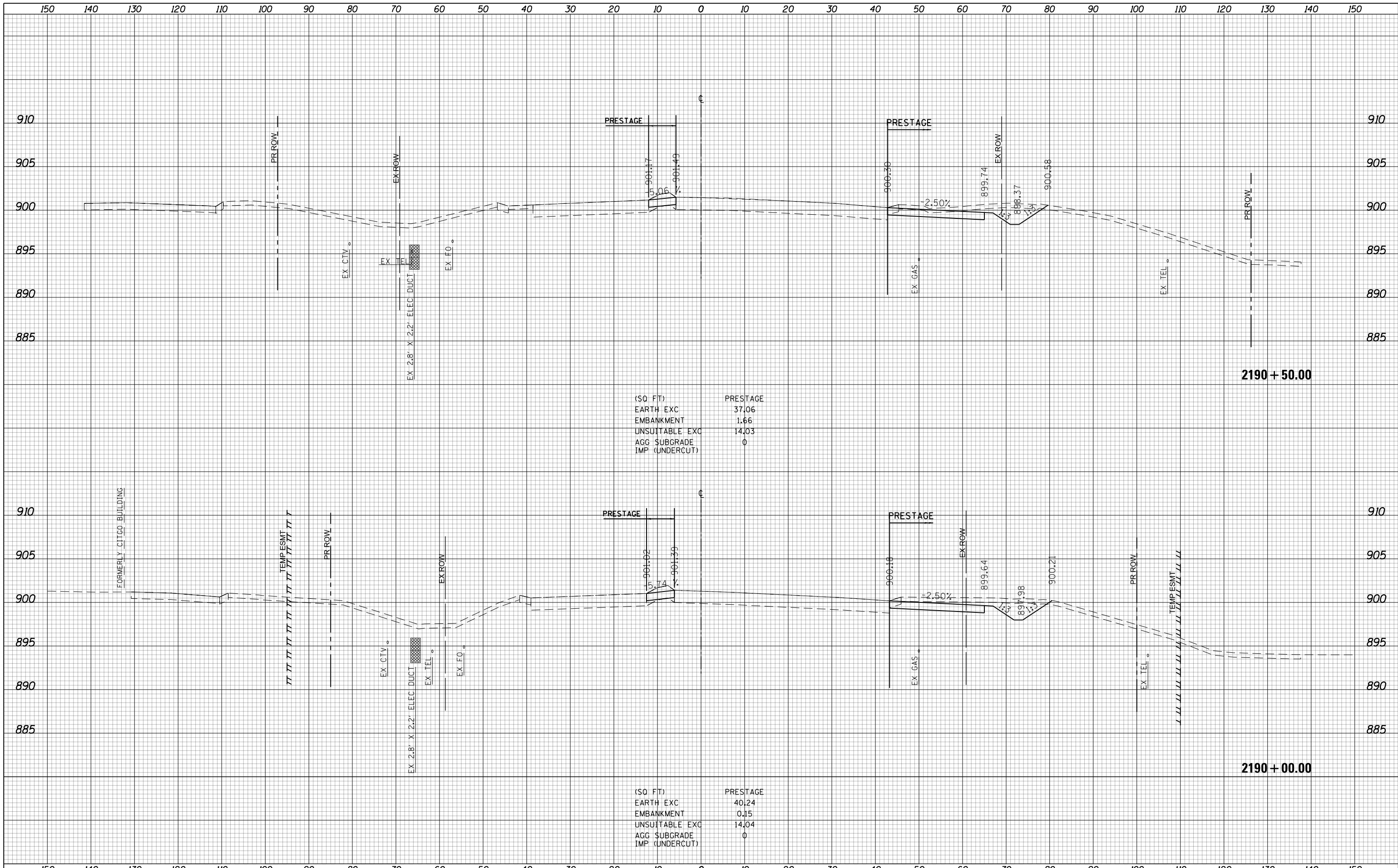
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	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

SCALE: 10 H: 5 V SHEET 793 OF 1751 SHEETS STA. 2189+00.00 TO STA. 2189+50.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	793
			CONTRACT NO.	61E53
ILLINOIS FED. AID PROJECT				



USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

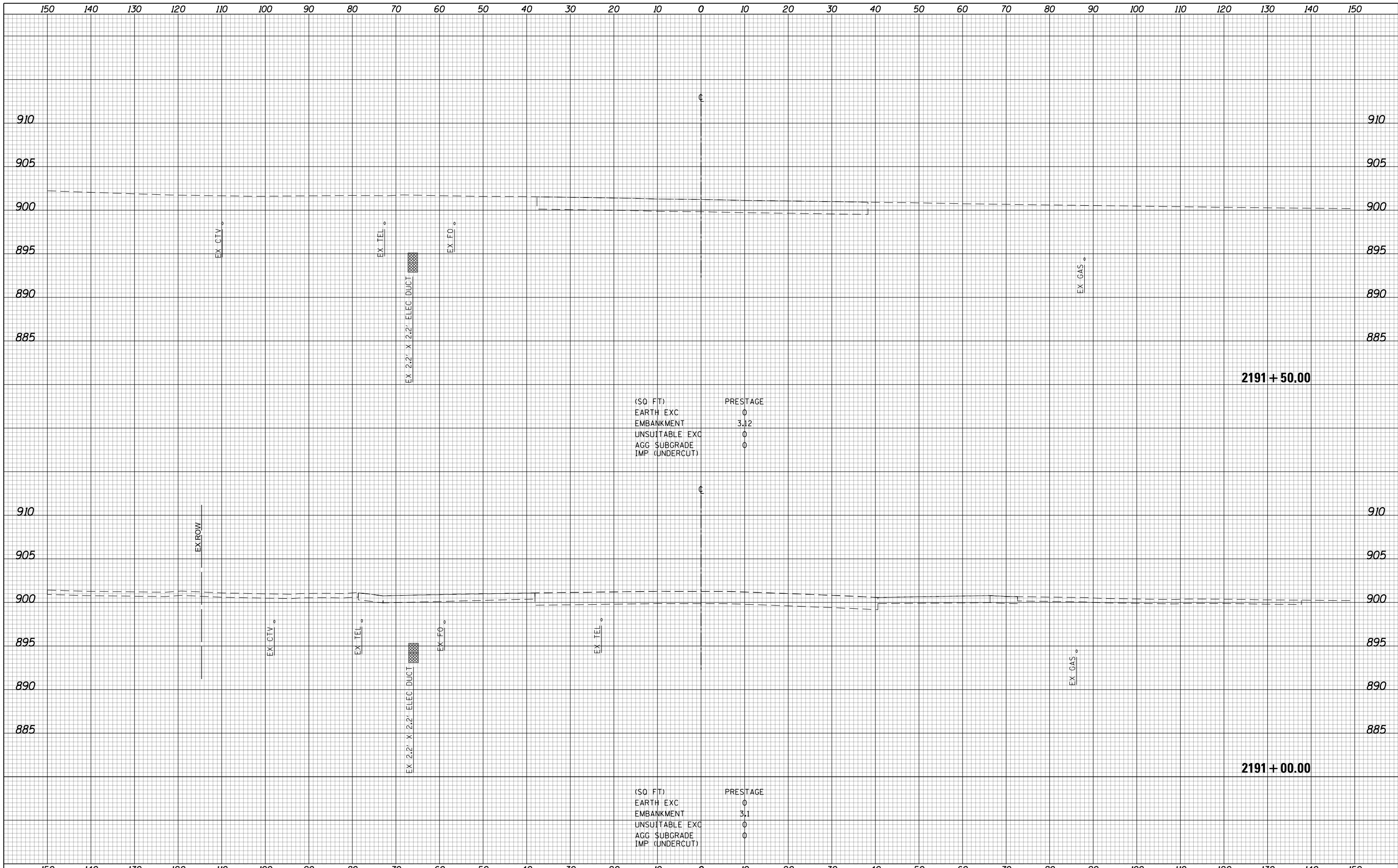
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

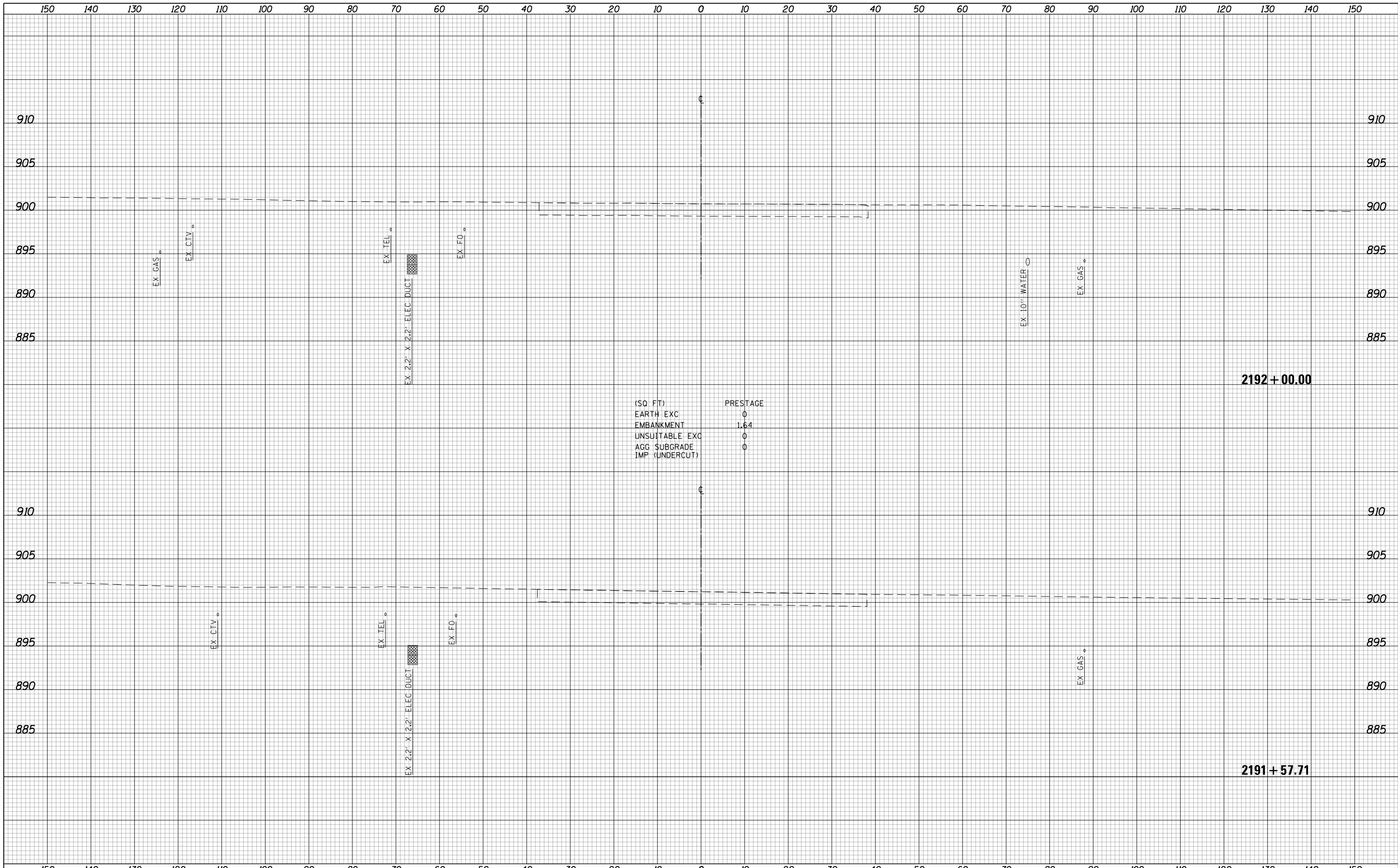
SCALE: 10 H: 5 V SHEET 794 OF 1751 SHEETS STA. 2190+00.00 TO STA. 2190+50.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	794
			CONTRACT NO.	61E53

ILLINOIS FED. AID PROJECT



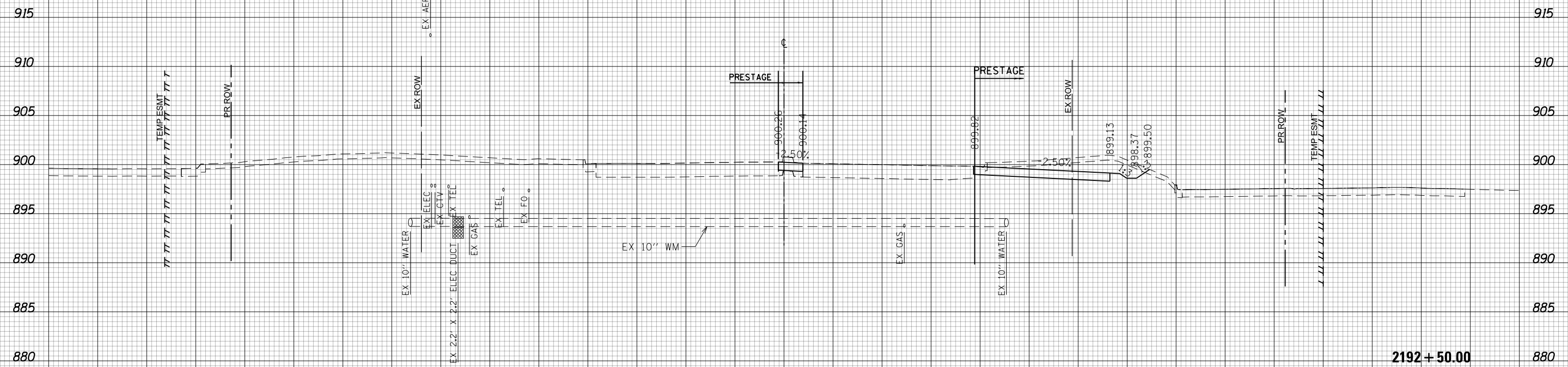
USER NAME = btwegner	DESIGNED - WBL	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD PRESTAGE CROSS SECTIONS			FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 20.0000' / in.	DRAWN - BTW	REVISED -					336	06-00329-01-PW	MCHENRY	1751	795
PLOT DATE = 4/25/2018	CHECKED - RCB	REVISED -		SCALE: 10 H: 5 V			SHEET 795 OF 1751 SHEETS			STA. 2191+00.00 TO STA. 2191+50.00	
DATE - 4-26-2018	REVISIED -	REVISED -					CONTRACT NO. 61E53			ILLINOIS FED. AID PROJECT	



USER NAME = btwegner PLOT SCALE = 20.0000' / in. PLOT DATE = 4/25/2018	DESIGNED - WBL DRAWN - BTW CHECKED - RCB DATE - 4-26-2018	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RANDALL ROAD PRESTAGE CROSS SECTIONS	FAP RTE 336	SECTION 06-00329-01-PW	COUNTY MCHENRY	TOTAL SHEETS 1751	SHEET NO. 796	CONTRACT NO. 61E53	ILLINOIS FED. AID PROJECT
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SCALE: 10 H: 5 V SHEET 796 OF 1751 SHEETS STA. 2191+57.71 TO STA. 2192+00.00

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



(SQ FT)	PRESTAGE
EARTH EXC	37.44
EMBANKMENT	3.12
UNSUITABLE EXC	14.19
AGG SUBGRADE	0
IMP (UNDERCUT)	0

2192+50.00



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

USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

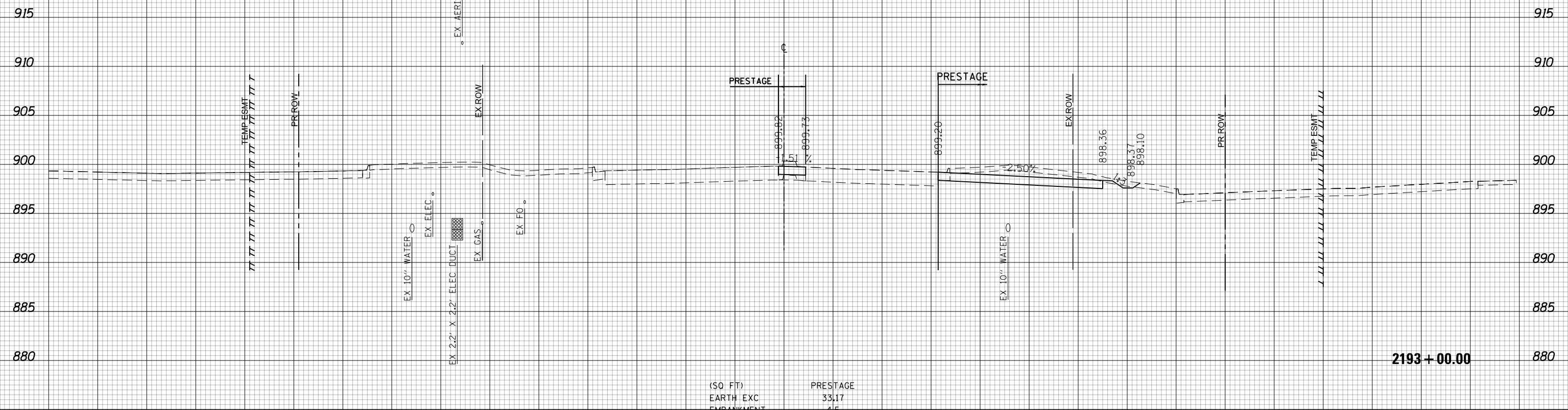
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RANDALL ROAD PRESTAGE CROSS SECTIONS	
SCALE: 10 H: 5 V	SHEET 797 OF 1751 SHEETS
STA. 2192+50.00 TO STA. 2192+50.00	

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	797
CONTRACT NO.			61E53	

ILLINOIS FED. AID PROJECT

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



(SQ FT)	PRESTAGE
EARTH EXC	33.17
EMBANKMENT	4.5
UNSUITABLE EXC	16.63
AGG SUBGRADE	0
IMP (UNDERCUT)	0

2193+00.00



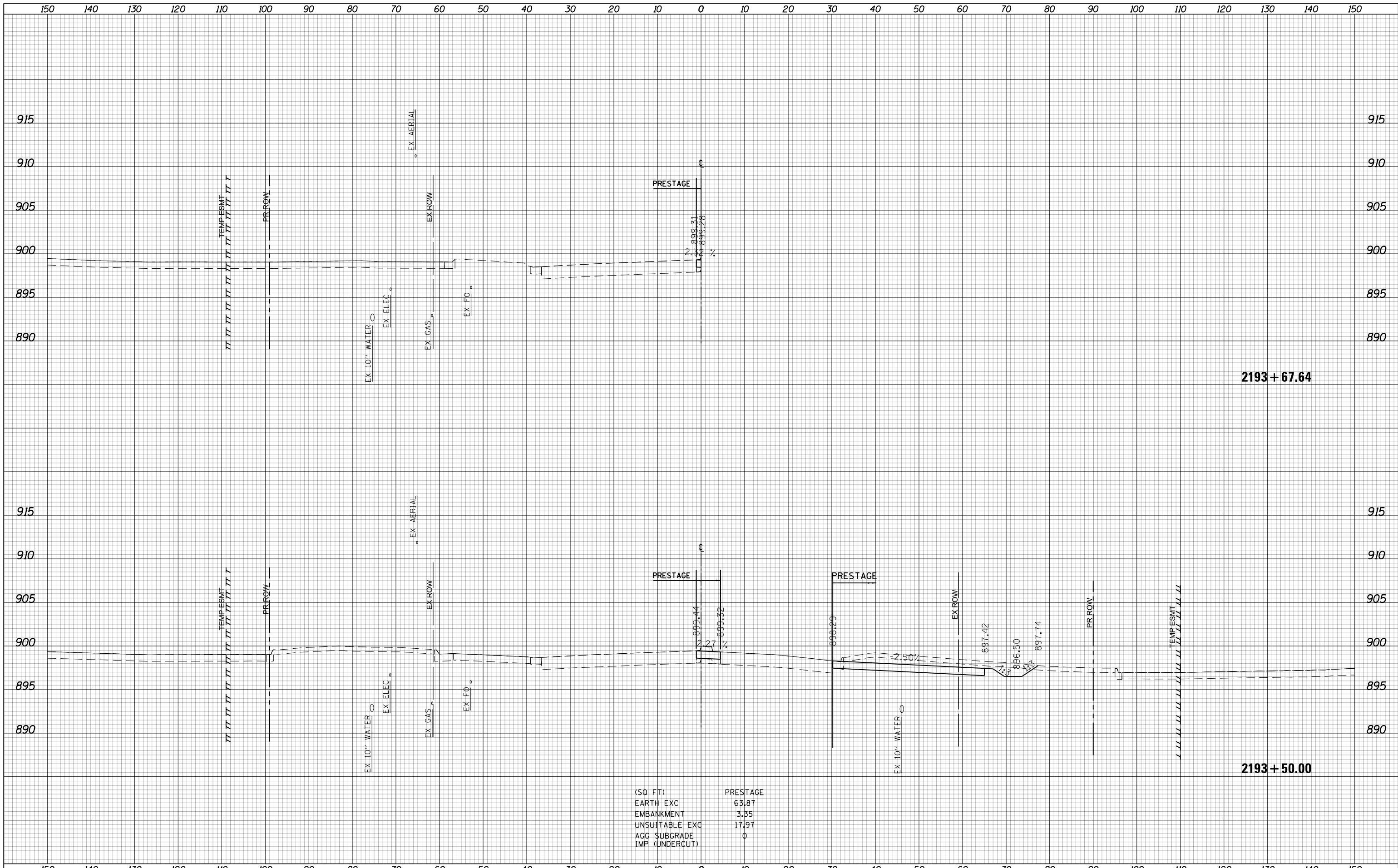
150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150

USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RANDALL ROAD PRESTAGE CROSS SECTIONS	
SCALE: 10 H: 5 V	SHEET 798 OF 1751 SHEETS
STA. 2193+00.00 TO STA. 2193+00.00	

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	798
CONTRACT NO.			61E53	
ILLINOIS FED. AID PROJECT				



(SQ FT)	
EARTH EXC	63.87
EMBANKMENT	3.35
UNSUITABLE EXC	17.97
AGG SUBGRADE	0
IMP (UNDERCUT)	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

SCALE: 10 H: 5 V SHEET 799 OF 1751 SHEETS STA. 2193+50.00 TO STA. 2193+67.64

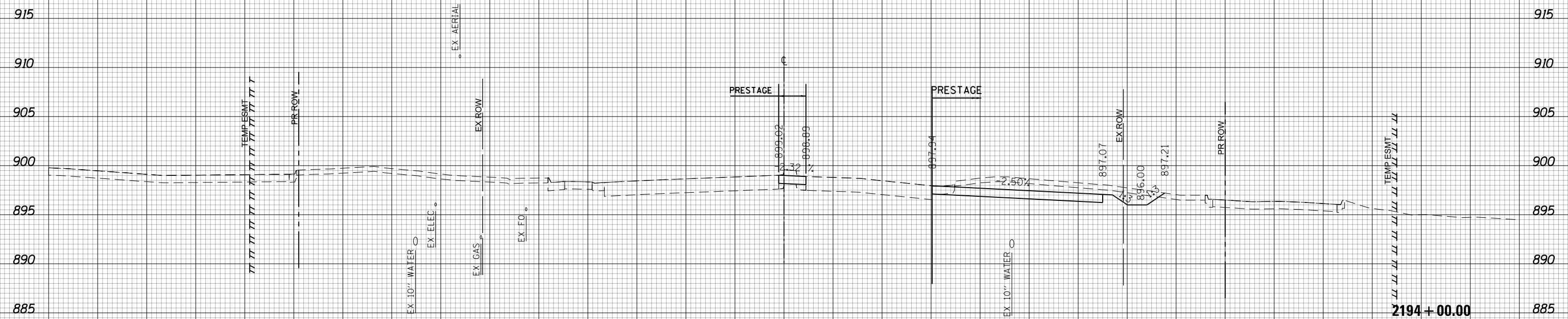
USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	799
CONTRACT NO.			61E53	

2193 + 67.64

2193 + 50.00

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



(SQ FT)	PRESTAGE
EARTH EXC	65.46
EMBANKMENT	3.19
UNSUITABLE EXC	17.37
AGG. SUBGRADE	0
IMP. (UNDERCUT)	0



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

USER NAME = btwegner	DESIGNED - WBL	REVISED -
	DRAWN - BTW	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - RCB	REVISED -
PLOT DATE = 4/25/2018	DATE - 4-26-2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RANDALL ROAD
PRESTAGE CROSS SECTIONS**

SCALE: 10 H: 5 V SHEET 800 OF 1751 SHEETS STA. 2194+00.00 TO STA. 2194+00.00

FAP RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
336	06-00329-01-PW	MCHENRY	1751	800
CONTRACT NO.			61E53	

ILLINOIS FED. AID PROJECT