

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	15W-2,RS-3;16W-3,RS-5	FULTON	177	1
FED. ROAD DIST. NO. 4		ILLINOIS	CONTRACT NO. 88098	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
**PROPOSED  
HIGHWAY PLANS**

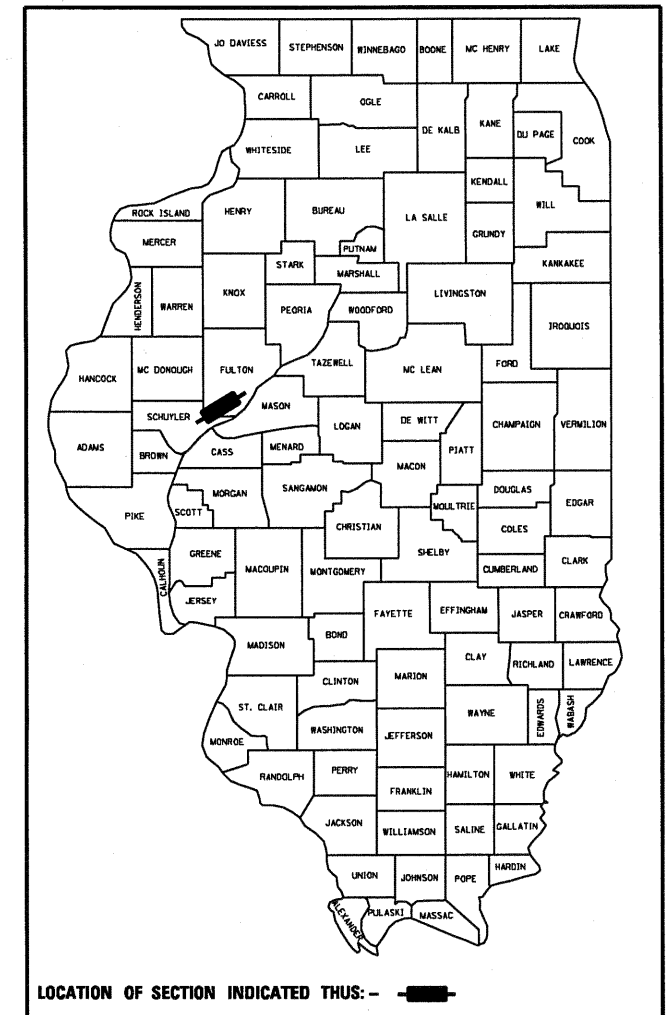
D-94-033-89

QC / QA CONCRETE  
N P D E S REQUIRED

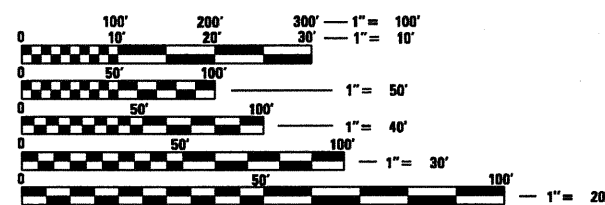
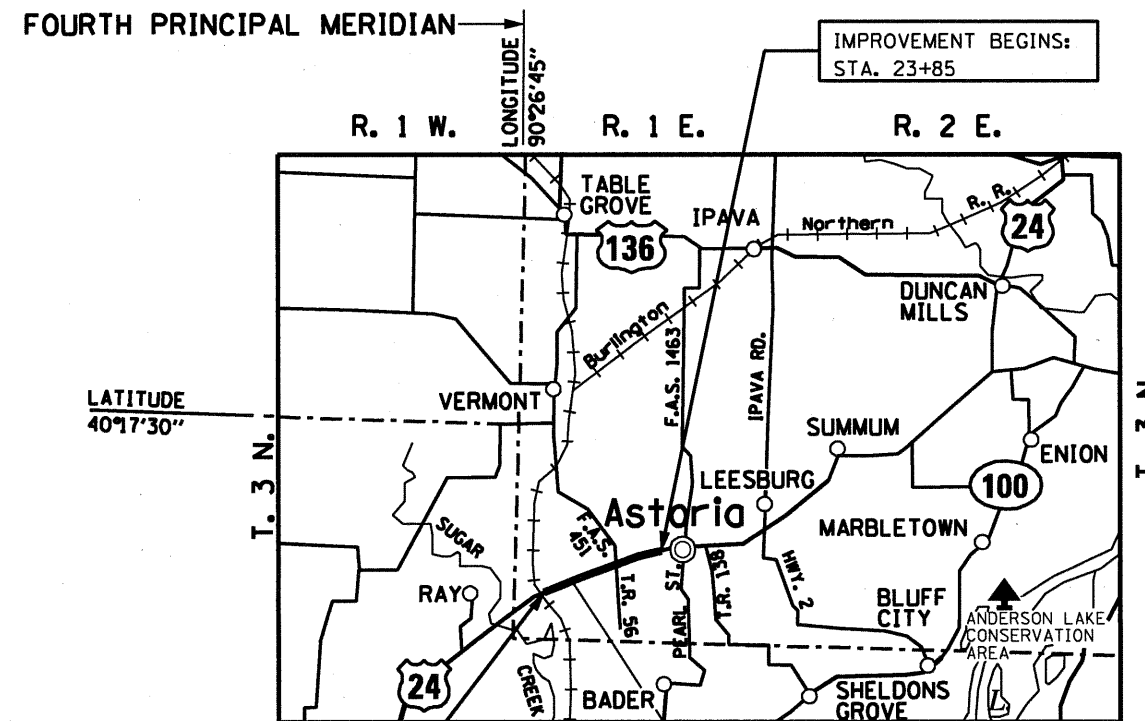
FOR INDEX OF SHEETS, SEE SHEET NO. 2

ADT = 2,450 (2009)  
% SU = 4.1%  
% MU = 9.2%

F.A.P. ROUTE 317 (U.S. 24)  
SECTION 15W-2,RS-3;16W-3,RS-5  
PROJECT ACNHF-0317(08S)  
FULTON COUNTY  
C-94-324-89



DESIGN DESIGNATION  
CLASS II TRUCK ROUTE  
FUNCTIONAL CLASSIFICATION  
OTHER PRINCIPAL ARTERIAL



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

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

PROJECT ENGINEER: RICH DOTSON (309) 671-3455  
DESIGN ENGINEER: KEVIN HORST (309) 671-3472

SURVEY BOOK NO. 2893  
CATALOG NO. - 030101 - 01D  
CONTRACT NO. 88098

GROSS LENGTH OF IMPROVEMENT = 20,467.96 FEET (3.877 MILES)  
NET LENGTH OF IMPROVEMENT = 20,467.96 FEET (3.877 MILES)

DESCRIPTION OF WORK :

THE PROPOSED IMPROVEMENT CONSISTS OF MILLING, PATCHING AND RESURFACING OF THE EXISTING PAVEMENT AND THE RE-GRADING OF DITCHES. ALSO INCLUDED IN THIS PROJECT ARE CULVERT REPAIRS, EXTENSIONS AND REPLACEMENTS.

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED 8/12/10  
[Signature]  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

October 1 2010  
[Signature] P.E. I.B.  
ENGINEER OF DESIGN AND ENVIRONMENT

October 1 2010  
[Signature]  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

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000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
442201-03	CLASS C AND D PATCHES
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542306-02	PRECAST REINF CONC ELLIPTICAL FLARED END SECTION
542401-01	METAL END SECTION FOR PIPE CULVERT
602401-02	MANHOLE, TYPE A
602411-01	MANHOLE, TYPE A 7' DIAMETER
602601-02	PRECAST REINF CONC FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-03	FRAME AND LIDS, TYPE 1
666001-01	RIGHT-OF-WAY MARKERS
701001-02	OFF-ROAD OPERATIONS, 2-L, 2-W, MORE THAN 15' (4.5M) AWAY
701006-03	OFF-ROAD OPR., 2-L, 2-W, 15' (4.5 m) TO 24" (600MM) FROM PAVEMENT EDGE
701206-02	LANE CLOS., 2-L, 2-W, NIGHT ONLY, FOR SPEEDS ≥ 45 MPH
701301-03	LANE CLOSURE, 2-L, 2-W, SHORT TIME OPERATIONS
701306-02	LANE CLOS., 2-L, 2-W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE, 2-L, 2-W, MOVING OPERATIONS - DAY ONLY
701326-03	LANE CLOSURE, 2-L, 2-W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
701336-05	LANE CLOSURE, 2-L, 2-W, WORK AREA IN SERIES, FOR SPEEDS ≥ 45 MPH
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS, RAISED REFLECTIVE PAVEMENT MARKERS

FILE NAME = miscellaneous.sheet.dgn	USER NAME = horatkj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>INDEX</b>	F.A.P. RTE. 317	SECTION 15W-2,RS-3;16W-3,RS-5	COUNTY FULTON	TOTAL SHEETS 171	SHEET NO. 2
		DRAWN -	REVISED -							
		PLOT SCALE = 100.0000' / IN.	CHECKED -							
		PLOT DATE = 8/12/2010	DATE -							
						SCALE:	SHEET NO. OF	SHEETS	STA.	TO STA.
						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

# GENERAL NOTES

## UTILITIES - LOCATIONS/ INFORMATION ON PLANS

The locations of existing water mains, gas mains, sewers, electric power lines, telephone lines and other utilities as shown on the plans are based on careful field investigation and the best information available, but they are not guaranteed. Unless elevations are shown---all utility locations shown on the cross sections are based on the approximate depth supplied by the utility company. It shall be the Contractor's responsibility to ascertain their exact location from the utility companies and by field inspection.

## PLAN ELEVATIONS - U.S.G.S. MEAN SEA LEVEL DATUM

All elevations shown on the plans are established from U.S.G.S. mean sea level datum.

## PROPERTY OWNER ACCESS REQUIREMENT

Access must be maintained to all existing properties during construction per Article 107.09 unless arrangements are made in writing by the Contractor with the property owners with a copy to the Engineer for short-term closures.

## CRITICAL PATH WORK SCHEDULE REQUIREMENT

The Contractor will submit to the Engineer a satisfactory progress schedule and critical path schedule which shall show the proposed sequence of work at the time of the pre-construction conference.

## AGGREGATE FOR DRIVEWAY REPLACEMENT

The material used for construction of permanent aggregate driveways shall be gravel or crushed stone, as directed by the Engineer, to replace in kind the existing aggregate driveways.

No additional compensation shall be provided for this requirement but shall be considered as included in the cost of the pay item for the aggregate as specified on the plans.

## PAVEMENT STATION NUMBERS & PLACEMENT

The Contractor shall provide labor and materials required to imprint pavement station numbers in the finished surface of the pavement and/or overlay. The numbers shall be approximately 20 mm (3/4-inch) wide, 125 mm (5 inches) high and 15 mm (5/8 inch) deep.

The pavement station numbers shall be installed as specified herein:  
 Interval - 100 meters (200 feet)  
 Bottom of Numbers - 150 mm (6 inches) from the inside edge of the pavement marking.  
 Location - 2, 3, & 5 Lane Pavements - right edge of pavement in direction of increasing stations  
 Position - stations shall be placed so they can be read from the adjacent shoulder  
 Format - Metric (English) pavement stations shall use this format "XX+X00" ("XXX"), where X represents the pavement station

This work will not be paid for separately, but will be considered included in the cost of the associated pavement and/or overlay pay items.

## PAVING SURFACE COURSE

Continuous paving operations on the main roadway shall be maintained at all times during the construction of the hot-mix asphalt surface. No interruptions for side roads, entrances, turn lanes, etc. will be allowed.

## ORDERING LENGTH CONFIRMATION - DRAINAGE ITEMS

The Contractor shall consult with the Engineer in regard to the exact lengths of the box/pipe culverts, storm sewers and/or pipe drains required prior to ordering these items.

## TREE REMOVAL - UTILITY RELOCATION

Tree removal may be necessary prior to a utility companies being able to relocate their facilities outside the construction limits. The contractor should coordinate any contract tree removal activities with the utility companies to eliminate conflicts and potential delays caused by utility tree removal activities or incomplete utility relocations.

## TREE REMOVAL

The District 4 Tree Committee should be contacted and prior approval obtained for any tree removal beyond the limits/locations included in the plans.

## SOIL REPORT AVAILABILITY

All soils data collected and processed for the Soils Report made in conjunction with the design of this improvement is on file at the District Office where it is available for inspection by Contractors or prospective bidders. By submitting a bid, the Contractor acknowledges that the Soils Report has been made available and is aware of the report contents and appendices.

## AVAILABILITY OF ELECTRONIC FILES

MicroStation and GEOPAK files of this project will be made available to the Contractor. If there is a conflict between the electronic files and the printed contract plans and documents, the printed contract plans and documents shall take precedence over the electronic files. The Contractor shall accept all risk associated with using the electronic files and shall hold the Department harmless for any errors or omissions in the electronic files and the data contained therein. Errors or delays resulting from the use of the electronic files by the Contractor shall not result in an extension of time for any interim or final completion date or shall not be considered cause for additional compensation. The Contractor shall not use, share, or distribute these electronic files except for the purpose of constructing this contract. Any claims by third parties due to use or errors shall be the sole responsibility of the Contractor. The Contractor shall include this disclaimer with the transfer of these electronic files to any other parties and shall include appropriate language binding them to similar responsibilities.

## BUTT JOINT CUTTING TIME RESTRICTION

Butt joints shall not be milled more than three (3) days prior to placement of the HMA binder course.

## NO PASSING ZONE VERIFICATION

The resident shall contact Operations to verify the location of no passing zones prior to placement of centerline striping.

## BITUMINOUS MIXTURE REQUIREMENTS

The following mixture requirements are applicable for this project:

Contract 88098 US 24 Astoria west to TR 6 (Taylor Road)

Mixture Use(s):	Poly Surface Course	Base Course, Binder Course, & Class D Patches	HMA Shoulder (Bottom Lifts)	HMA Shoulder (Surface Lift)	Incidental Surfacing
AC/PG:	SBS or SBR 70-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
RAP% (Max): **	10%	25%	30%	30%	15%
Design Air Voids:	4.0% @ N=50	4.0% @ N=50	4.0% @ N=30	3.0% @ N=30	4.0% @ N=50
Mixture Composition: (Gradation Mixture)	IL 9.5 or IL12.5	IL 19.0	IL 19.0L	IL 9.5L	IL 9.5 or IL12.5
Friction Aggregate:	Mixture D	N.A.	N.A.	Mixture C	Mixture C

\*\* If RAP option is selected, the asphalt cement grade may need to be adjusted. This will be determined by the Materials Engineer.

## ENGINEERS FIELD OFFICE

Add the following sentence to the end of paragraph 670.02 (1) and 670.04 (e):

All of the telephone lines provided shall have unpublished numbers.

## ENVIRONMENTAL REVIEWS

Prior to the use of any proposed borrow areas, use areas (temporary access roads, detours, run-arounds, etc.) and/or waste areas, the Contractor shall file the required environmental resource request surveys according to Section 107.22 of the Standard Specifications. These surveys are required in order for the Department to conduct cultural and biological resource surveys for the proposed site.

Prior to any waste materials being removed from the construction site the required environmental resource surveys will need to be obtained and filed by the Contractor. Excess waste products removed from the construction site shall be disposed of as required in Section 202.03 of the Standard Specifications.

Any protruding metal bars shall be removed prior to the disposal of broken concrete at approved disposal sites.

The required environmental resource documentation shall include the following:

- BDE Form 2289 (Environmental Survey Request)
- A location map showing the size limits and location of the use area
- Signed Property Owner Agreement form - D4 PI0100
- Color photographs depicting the use area
- Borrow Area Entry Agreement form - D4 PI0101

Please note that a minimum of two weeks shall be allowed for the District to obtain the required environmental clearances.

## REFLECTIVE CRACK CONTROL PLACEMENT

Strip reflective crack control treatment shall be placed on the milled surface.

FILE NAME = miscellaneous.sheet.dgn	USER NAME = horstkj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	317	15W-2,RS-3,16W-3,RS-5	FULTON	171	3
	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -						<b>CONTRACT NO. 88098</b>						
	PLOT DATE = 8/6/2010	DATE -	REVISED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						

## PROJECT SPECIFIC NOTES

1. REMOVAL OF EARTH REQUIRED FOR CONSTRUCTION OF THE PROPOSED HMA SHOULDERS WILL BE PAID FOR AS EARTH EXCAVATION.
  
2. THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES:
 

GRANULAR MATERIALS	2.05	TONS/CU YD
POLY BITUMINOUS MATERIALS (PRIME COAT)	0.00052	TONS/SQ YD ON MILLED SURFACE
POLY BITUMINOUS MATERIALS (PRIME COAT)	0.00032	TONS/SQ YD ON NEW BINDER
HMA MIXES	112	LBS/SQ YD/INCH
NITROGEN FERTILIZER NUTRIENTS (SEED)	90	LBS/ACRE
PHOSPHOROUS FERTILIZER NUTRIENTS (SEED)	90	LBS/ACRE
POTASSIUM FERTILIZER NUTRIENTS (SEED)	90	LBS/ACRE
RIPRAP	1.5	TON/CU YD
  
3. THE CENTERLINE (HORIZONTAL ALIGNMENT) PROVIDED IN THE PLANS FOR U.S. ROUTE 24 DOES NOT NECESSARILY MATCH THE LOCATION OF THE PHYSICAL CENTERLINE JOINT (EXISTING CROWN) IN THE EXISTING PAVEMENT. THEREFORE, THE LANE WIDTHS SHOWN IN THE PLANS ARE VARIABLE. NO ELEVATIONS HAVE BEEN PROVIDED IN THE PLANS FOR THE EXISTING OR PROPOSED CENTERLINE PROFILES FOR U.S. ROUTE 24. THE PROPOSED PROFILE WILL BE ESTABLISHED BY UTILIZING THE PROPOSED MILLING AND RESURFACING THICKNESSES AT THE PHYSICAL CENTERLINE JOINT OF THE EXISTING PAVEMENT.  
  
MILLING AND RESURFACING SHALL BE COMPLETED USING THE PROPOSED PAVEMENT CROSS SLOPES PROVIDED IN THE PLANS.
  
4. THE ENGINEER SHALL NOTIFY THE FOLLOWING PROPERTY OWNER TWO WEEKS BEFORE CONSTRUCTION BEGINS THAT ANY OF THEIR FENCING THAT IS IN CONFLICT WITH THE IMPROVEMENT WILL BE REMOVED:  
JOANIE J. AND ZANE MORRELL  
P.O. BOX 445  
ASTORIA, IL 61605  
309-329-2826
  
5. THE CONCRETE COLLARS BETWEEN THE CULVERT LINER AND PIPE CULVERT AT US 24 STATION 149+80.10 SHALL BE CONSTRUCTED ACCORDING TO DISTRICT FOUR CADD STANDARD 542001, EXCEPT THAT THE EXPANSION BOLTS MAY BE INSTALLED INTO THE GROUT SURROUNDING THE CULVERT LINER.
  
6. WHEN TEMPORARY SIDEROAD OR ENTRANCE CROSSINGS ARE REQUIRED, INCIDENTAL HMA SURFACING SHALL BE USED WHEN THE EXISTING SURFACE IS ASPHALT, AND AGGREGATE FOR TEMPORARY ACCESS SHALL BE USED WHEN THE EXISTING SURFACE IS AGGREGATE.
  
7. INSERTION CULVERT LINERS SHALL BE BRACED WITHIN THE EXISTING CULVERTS TO ENSURE THE LINERS ARE CONSTRUCTED AT THE ELEVATIONS AND SLOPES DETAILED IN THE PLANS. BRACING THE LINERS SHALL BE INCLUDED IN THE COST OF THE LINERS.

8. GRADING AND SHAPING WATERWAYS DOWNSTREAM OF RIP RAP LINED CULVERT OUTLETS SHALL BE PAID FOR AS GRADING AND SHAPING DITCHES. THE WATERWAYS SHALL BE GRADED AS DETAILED IN THE PLANS AND/OR AS DETERMINED BY THE ENGINEER TO PROVIDE POSITIVE DRAINAGE.  
  
WHEN RE-GRADING WATERWAYS ON TEMPORARY EASEMENTS, THE CONTRACTOR SHALL MODIFY GRADING OPERATIONS, AS NECESSARY, TO PREVENT DAMAGE TO EXISTING FIELD TILE AND FIELD TILE STAND PIPES.  
  
THE RE-GRADING OF THE DITCH ALONG THE WEST SIDE OF DEAN ROAD SHALL ALSO BE PAID FOR AS GRADING AND SHAPING DITCHES.
  
9. THE ENGINEER SHALL NOTIFY SCOTT DEAN (2222 E. HIGHWAY 24, ASTORIA, IL 61501) TWO WEEKS BEFORE ANY WATERWAY RE-GRADING BEGINS ON HIS FAMILY'S PROPERTY.
  
10. THE ENGINEER SHALL DETERMINE THE ELEVATION OF THE FIELD TILE OUTLET AT STA. 149+80 RT TO ENSURE THAT POSITIVE DRAINAGE FROM THE TILE OUTLET TO THE PROPOSED CULVERT IS POSSIBLE.
  
11. THE ENGINEER SHALL DISCUSS POSSIBLE PLANTING LOCATIONS WITH THE MAINTENANCE FIELD ENGINEER BEFORE DETERMINING THE FINAL LOCATIONS FOR THE PROPOSED TREE WHIPS.
  
12. PROPOSED HMA SURFACE REMOVAL-BUTT JOINTS ON US 24 SHALL BE IN ACCORDANCE WITH CADD STD. 406101, EXCEPT THAT THE BUTT JOINT DEPTH SHALL BE 3 3/4" TO ALLOW FOR THE PLACEMENT OF THE BINDER COURSE AND SUFACE COURSE.

## COMMITMENTS

COMMITMENTS ARE NOT TO BE ALTERED WITHOUT THE WRITTEN APPROVAL OF ALL PARTIES TO WHICH THE COMMITMENT WAS MADE.

NOTIFY THE FOLLOWING PROPERTY OWNER TWO WEEKS PRIOR TO BEGINNING WORK ON THE ENTRANCE AT US 24 STA. 200+35.25 RT:

408J171 AND 408J171TE      KATHRYN SUE AND BOB BRIDGES  
1266 E STATE HIGHWAY 24  
ASTORIA, IL 61501  
309-224-2196 (CELL)  
309-329-2196 (OFFICE)

FILE NAME = miscellaneous.sheet.dgn	USER NAME = russellm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROJECT SPECIFIC NOTES &amp; COMMITMENTS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			317	15W-2,RS-3;16W-3,RS-5	FULTON	171	4
	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -						CONTRACT NO. 88098	
	PLOT DATE = 8/10/2010	DATE -	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT





Status of Utilities

Name of Utility Company

Verizon

Route FAP 317 (US 24)  
 Section 15W-2,RS-3,16W-3,RS-5  
 County Fulton  
 Contract No. 88098  
 Catalog No. 030101-01D



Status of Utilities

Name of Utility Company

Spoon River Electric

Route FAP 317 (US 24)  
 Section 15W-2,RS-3,16W-3,RS-5  
 County Fulton  
 Contract No. 88098  
 Catalog No. 030101-01D

Route	Offset	Location	Type of Utility	Type of Conflict	Disposition
US 24	Rt. 20' to Rt. 37'	Sta. 24+00 to 24+90	Buried Telephone	Culvert Extension	Relocate
US 24	Rt. 19' to Rt. 42'	Sta. 40+50 to 41+50	Buried Telephone	Culvert Extension	Relocate
US 24	Rt. 55' to Lt. 64'	Sta. 51+70	Buried Telephone	Ditch Grading	Caution
US 24	Rt. 43'	Sta. 76+00 to 78+00	Buried Telephone	Culvert Extension	Relocate
US 24	Rt. 70'	Sta. 76+50 to 72+50	Buried Telephone	Culvert Extension	Relocate
US 24	Rt. 37'	Sta. 90+91	Buried Telephone	Driveway Culvert	Caution
US 24	Lt. 25' to Lt. 40'	Sta. 91+00	Buried Telephone	Ditch Grading	Relocate
US 24	Rt. 22 to Rt. 47'	Sta. 98+00 to 99+00	Buried Telephone	Ditch Grading	Relocate
US 24	Rt. 50' to Lt. 52'	Sta. 100+60 to 101+10	Buried Telephone	Culvert/Ditch	Relocate
US 24	Rt. 25' to Rt. 45'	Sta. 110+34	Buried Telephone	Culvert/Ditch	Caution
US 24	Rt. 20' to Rt. 37'	Sta. 112+00 to 113+50	Buried Telephone	Ditch Grading	Relocate
US 24	Rt. 30'	Sta. 117+00 to 125+65	Pedestal	Ditch Grading	Relocate
US 24	Rt. 21' to Rt. 40'	Sta. 121+00 to 121+30	Buried Telephone	Culvert Extension	Relocate
US 24	Rt. 20' to Rt. 40'	Sta. 126+50 to 127+50	Buried Telephone	Ditch Grading	Relocate
US 24	Rt. 32' to Rt. 40'	Sta. 130+80 to 167+10	Buried Telephone	Ditch Grading	Relocate
US 24	Rt. 30'	Sta. 144+00	Pedestal	Ditch Grading	Relocate
US 24	Rt. 30'	Sta. 160+00	Pedestal	Ditch Grading	Relocate
US 24	Rt. 30'	Sta. 170+35	Pedestal	Ditch Grading	Relocate
US 24	Rt. 30'	Sta. 177+60 & 181+30	Pedestal	Ditch Grading	Relocate
US 24	Rt. 40'	Sta. 186+50 to 187+00	Buried Telephone	Ditch Grading	Relocate
US 24	Rt. 30'	Sta. 187+20	Pedestal	Ditch Grading	Relocate
US 24	Rt. 40'	Sta. 200+00 to 202+00	Buried Telephone	Ditch Grading	Relocate
US 24	Rt. 20' to Rt. 35'	Sta. 205+75 to 207+50	Buried Telephone	Culvert/Ditch	Relocate
US 24	Rt. 40'	Sta. 206+50 to 208+50	Buried Telephone	Culvert/Ditch	Relocate
US 24	Rt. 25' to Rt. 32'	Sta. 214+20 to 215+00	Buried Telephone	Culvert	Relocate
US 24	Rt. 25' to Rt. 32'	Sta. 217+00 to 217+50	Buried Telephone	Culvert	Relocate
US 24	Rt. 25'	Sta. 221+80 to 223+65	Buried Telephone	Ditch Grading	Relocate
US 24	Rt. 40'	Sta. 223+65	Pedestal	Ditch Grading	Relocate
US 24	Rt. 24' to Rt. 29'	Sta. 225+50 to 228+50	Buried Telephone	Ditch Grading	Relocate

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Route	Offset	Location	Type of Utility	Type of Conflict	Disposition
US 24	Lt. 30'	Sta. 102+80	Power Poles	Ditch Grading	Relocate
US 24	Lt. 30'	Sta. 105+70	Power Poles	Ditch Grading	Relocate
US 24	Lt. 30'	Sta. 108+50	Power Poles	Ditch Grading	Relocate
US 24	Lt. 30'	Sta. 111+40	Power Poles	Ditch Grading	Relocate
US 24	Rt. 30'	Sta. 114+10	Power Poles	Ditch Grading	Relocate
US 24	Lt. 30'	Sta. 114+25	Power Poles	Ditch Grading	Relocate
US 24	Lt. 30'	Sta. 116+90	Power Poles	Ditch Grading	Relocate
US 24	Lt. 30'	Sta. 119+60	Power Poles	Ditch Grading	Relocate
US 24	Lt. 30'	Sta. 122+20	Power Poles	Ditch Grading	Relocate
US 24	Lt. 30'	Sta. 124+75	Power Poles	Ditch Grading	Relocate
US 24	Lt. 30'	Sta. 127+40	Power Poles	Ditch Grading	Relocate
US 24	Lt. 30'	Sta. 129+80	Power Poles	Ditch Grading	Relocate
US 24	Lt. 30'	Sta. 132+30	Power Poles	Ditch Grading	Relocate
US 24	Lt. 30'	Sta. 135+05	Power Poles	Ditch Grading	Relocate
US 24	Lt. 30'	Sta. 137+80	Power Poles	Ditch Grading	Relocate
US 24	Lt. 30'	Sta. 140+60	Power Poles	Ditch Grading	Relocate
US 24	Lt. 30'	Sta. 143+40	Power Poles	Ditch Grading	Relocate
US 24	Rt. 30'	Sta. 143+48	Power Poles	Ditch Grading	Relocate
US 24	Lt. 30'	Sta. 145+00 & 146+70	Power Poles	Ditch Grading	Relocate
US 24	Rt. 30'	Sta. 146+50	Power Poles	Ditch Grading	Relocate
US 24	Lt. 30'	Sta. 148+85 & 151+70	Power Poles	Ditch Grading	Relocate
US 24	Lt. 30'	Sta. 154+50 & 157+25	Power Poles	Ditch Grading	Relocate
US 24	Lt. 30'	Sta. 160+00 & 162+80	Power Poles	Ditch Grading	Relocate
US 24	Lt. 30'	Sta. 165+40 & 168+10 & 170+70	Power Poles	Ditch Grading	Relocate
US 24	Rt. 30'	Sta. 170+60	Power Poles	Ditch Grading	Relocate
US 24	Lt. 30'	Sta. 183+10 & 185+50	Power Poles	Ditch Grading	Relocate
US 24	Rt. 30'	Sta. 185+15	Power Poles	Ditch Grading	Relocate
US 24	Lt. 30'	Sta. 188+20 & 190+90	Power Poles	Ditch Grading	Relocate
US 24	Lt. 30'	Sta. 193+70, 196+40 & 199+10	Power Poles	Ditch Grading	Relocate
US 24	Lt. 30'	Sta. 201+80 & 203+80	Power Poles	Ditch Grading	Relocate
US 24	Rt. 30'	Sta. 204+40, 207+40, 209+90 & 212+20	Power Poles	Ditch Grading	Relocate
US 24	Rt. 30'	Sta. 214+70, 216+70, 219+40 & 221+55	Power Poles	Ditch Grading	Relocate
US 24	Rt. 30'	Sta. 222+60	Power Poles	Ditch Grading	Relocate

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					CONSTRUCTION TYPE CODE	
					NHS	
					80% FED	
					20% STATE	
					FULTON CO.	
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005		
X 25100115	MULCH, METHOD 2	ACRE	15	15		
X 25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	24809	24809		
28000200	EARTH EXCAVATION FOR EROSION CONTROL	CU YD	533	533		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	5913	5913		
28000305	TEMPORARY DITCH CHECKS	FOOT	7326	7326		
28000400	PERIMETER EROSION BARRIER	FOOT	9058	9058		
28000500	INLET AND PIPE PROTECTION	EACH	50	50		
28001000	AGGREGATE (EROSION CONTROL)	TON	88	88		
28100207	STONE RIPRAP, CLASS A4	TON	1054	1054		
28100209	STONE RIPRAP, CLASS A5	TON	93	93		
28100225	STONE RIPRAP, CLASS B3	TON	801	801		
28200200	FILTER FABRIC	SQ YD	4237	4237		
35501308	HOT - MIX ASPHALT BASE COURSE, 6"	SQ YD	3869	3869		
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	1645	1645		

(X) SPECIALTY ITEMS



CONSTRUCTION TYPE CODE	
NHS	
80% FED	
20% STATE	
FULTON CO.	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	142	142
40600215	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	TON	51	51
40600895	CONSTRUCTING TEST STRIP	EACH	1	1
40600982	HOT - MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	290	290
40600990	TEMPORARY RAMP	SQ YD	898	898
40603080	HOT - MIX ASPHALT BINDER COURSE, IL - 19.0, N50	TON	7561	7561
40603535	POLYMERIZED HOT - MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	4974	4974
40800050	INCIDENTAL HOT - MIX ASPHALT SURFACING	TON	474	474
44000100	PAVEMENT REMOVAL	SQ YD	1310	1310
44000155	HOT - MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	58926	58926
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	118	118
44201377	CLASS C PATCHES, TYPE II, 12 INCH	SQ YD	182	182
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	2488	2488
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	577	577

(X) SPECIALTY ITEMS

FILE NAME = miscellaneous.sheet.dgn

USER NAME = russellm  
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**  
SCALE: SHEET NO. 3 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	15W-2.RS-3+16W-3.RS-5	FULTON	171	9
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 88098	

CONSTRUCTION TYPE CODE	
NHS	
80% FED	
20% STATE	
FULTON CO.	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005	
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	2604	2604	
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	40936	40936	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	6161	6161	
48203029	HOT - MIX ASPHALT SHOULDERS, 8"	SQ YD	1643	1643	
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1	1	
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1	1	
50100500	REMOVAL OF EXISTING STRUCTURES NO. 3	EACH	1	1	
50100600	REMOVAL OF EXISTING STRUCTURES NO. 4	EACH	1	1	
50100700	REMOVAL OF EXISTING STRUCTURES NO. 5	EACH	1	1	
50100800	REMOVAL OF EXISTING STRUCTURES NO. 6	EACH	1	1	
50100900	REMOVAL OF EXISTING STRUCTURES NO. 7	EACH	1	1	
50101000	REMOVAL OF EXISTING STRUCTURES NO. 8	EACH	1	1	
50101100	REMOVAL OF EXISTING STRUCTURES NO. 9	EACH	1	1	
50101200	REMOVAL OF EXISTING STRUCTURES NO. 10	EACH	1	1	

(X) SPECIALTY ITEMS

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				0005	
50104400	CONCRETE HEADWALL REMOVAL	EACH	27	27	
50105220	PIPE CULVERT REMOVAL	FOOT	763	763	
50800105	REINFORCEMENT BARS	POUND	552	552	
54001001	BOX CULVERT END SECTIONS,CULVERT NO. 1	EACH	2	2	
54001002	BOX CULVERT END SECTIONS,CULVERT NO. 2	EACH	2	2	
54001003	BOX CULVERT END SECTIONS,CULVERT NO. 3	EACH	2	2	
54001004	BOX CULVERT END SECTIONS,CULVERT NO. 4	EACH	2	2	
54001005	BOX CULVERT END SECTIONS,CULVERT NO. 5	EACH	2	2	
54001006	BOX CULVERT END SECTIONS,CULVERT NO .6	EACH	2	2	
54001007	BOX CULVERT END SECTIONS,CULVERT NO. 7	EACH	2	2	
54001008	BOX CULVERT END SECTIONS,CULVERT NO. 8	EACH	2	2	
54001009	BOX CULVERT END SECTIONS,CULVERT NO. 9	EACH	2	2	
54001010	BOX CULVERT END SECTIONS,CULVERT NO. 10	EACH	2	2	
54002020	EXPANSION BOLTS 3/4 INCH	EACH	191	191	

(X) SPECIALTY ITEMS



CONSTRUCTION TYPE CODE	
NHS	
80% FED	
20% STATE	
FULTON CO.	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005	
542A1075	PIPE CULVERTS, CLASS A, TYPE 2 30"	FOOT	116	116	
542A1921	PIPE CULVERTS, CLASS A, TYPE 3 36"	FOOT	15	15	
542A5485	PIPE CULVERTS, CLASS A, TYPE 1 <sup>EQUIVALENT</sup> ROUND-SIZE 30"	FOOT	178	178	
542A5497	PIPE CULVERTS, CLASS A, TYPE 1 <sup>EQUIVALENT</sup> ROUND-SIZE 42"	FOOT	56	56	
542A5503	PIPE CULVERTS, CLASS A, TYPE 1 <sup>EQUIVALENT</sup> ROUND-SIZE 48"	FOOT	64	64	
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	1328	1328	
542D0226	PIPE CULVERTS, CLASS D, TYPE 1 21"	FOOT	60	60	
542D0232	PIPE CULVERTS, CLASS D, TYPE 1 27"	FOOT	58	58	
542D1063	PIPE CULVERTS, CLASS D, TYPE 2 18"	FOOT	72	72	
54390210	INSERTION CULVERT LINER 30"	FOOT	39	39	
60218400	MANHOLES, TYPE A, 4'-DIAMETER, <sup>TYPE 1</sup> FRAME, CLOSED LID	EACH	1	1	
60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1	
63200310	GUARDRAIL REMOVAL	FOOT	884	884	
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	147	147	

(X) SPECIALTY ITEMS

FILE NAME = miscellaneous\_sheet.dgn

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REVISED -

PLOT DATE = 8/12/2010

DATE -

REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET NO. 7 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	15W-2,RS-3+16W-3,RS-5	FULTON	171	13
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 88098	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				NHS	FULTON CO.
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	22	22	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	9	9	
67000600	ENGINEER'S FIELD LABORATORY	CAL MO	9	9	
67100100	MOBILIZATION	L SUM	1	1	
67201000	SEALING ABANDONED WATER WELLS	EACH	1	1	
70100455	TRAFFIC CONTROL AND PROTECTION, STANDARD 701206	L SUM	1	1	
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1	
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1	
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	1	
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	4	4	
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	2	2	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	10230	10230	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	682	682	
X 78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	56825	56825	

(X) SPECIALTY ITEMS

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REVISED -

PLOT DATE = 8/12/2010

DATE -

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET NO. 8 OF 9 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	15W-2.RS-3;16W-3.RS-5	FULTON	171	144
CONTRACT NO. 88098				

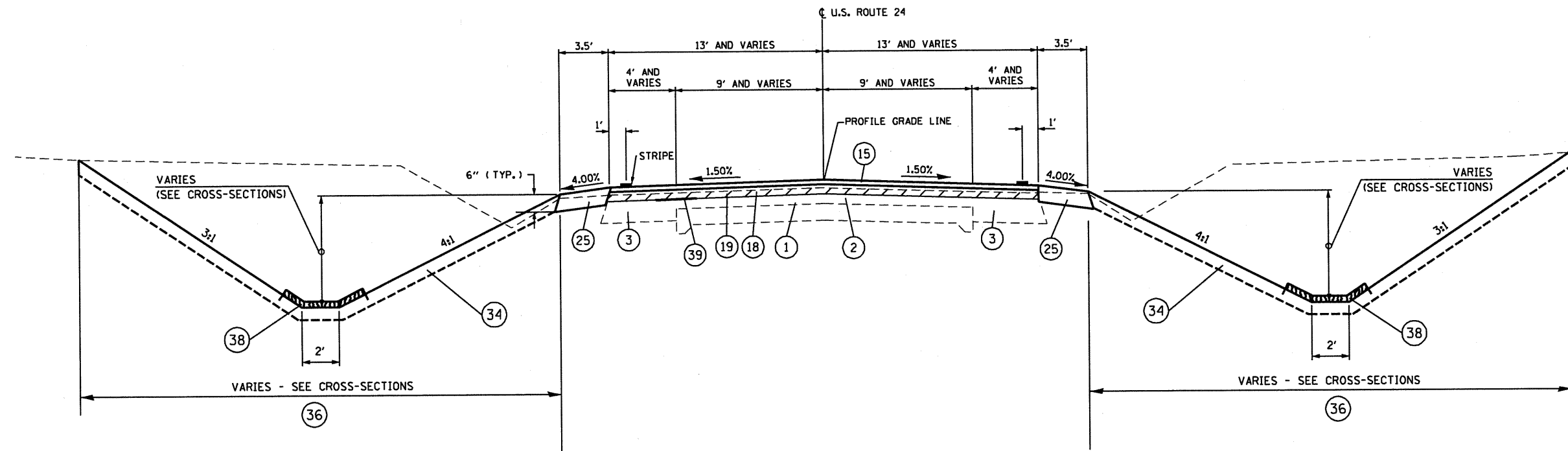
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

CONSTRUCTION TYPE CODE	
NHS	
80% FED	
20% STATE	
FULTON CO.	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0005
X 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	257	257
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	257	257
Z0001002	GUARDRAIL AGGREGATE EROSION CONTROL	TON	12	12
X X0320678	TREE WHIP MIXTURE	EACH	104	104
Z0034105	MATERIAL TRANSFER DEVICE	TON	12535	12535
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	75	75
† X2503100	MOWING	UNIT	410	410
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
† Z0014700	CULVERT TO BE CLEANED	EACH	6	6
Z0022800	FENCE REMOVAL	FOOT	421	421
Z0023300	FILLING EXISTING CISTERNS	CU YD	2	2
Z0023600	FILLING EXISTING CULVERTS	EACH	4	4
Z0054500	ROCK FILL	TON	95	95

(X) SPECIALTY ITEMS

(†) NON-PARTICIPATING 100% STATE



**TYPICAL SECTION NO. 1**

STA. 23+85 TO STA. 53+47  
 STA. 63+14 TO STA. 65+00  
 STA. 90+00 TO STA. 169+57  
 STA. 179+99 TO STA. 227+05

**EXISTING**

- ① PORTLAND CEMENT CONCRETE PAVEMENT, 9"-6"-9"
- ② HOT MIX ASPHALT SURFACE OVERLAY, 3"-5"
- ③ HOT MIX ASPHALT BASE COURSE WIDENING, 9"
- ④ EXIST. AGG. SHOULDERS
- ⑤ HOT MIX ASPHALT PAVEMENT (FULL DEPTH)
- ⑥ HOT MIX ASPHALT SHOULDERS

**PROPOSED**

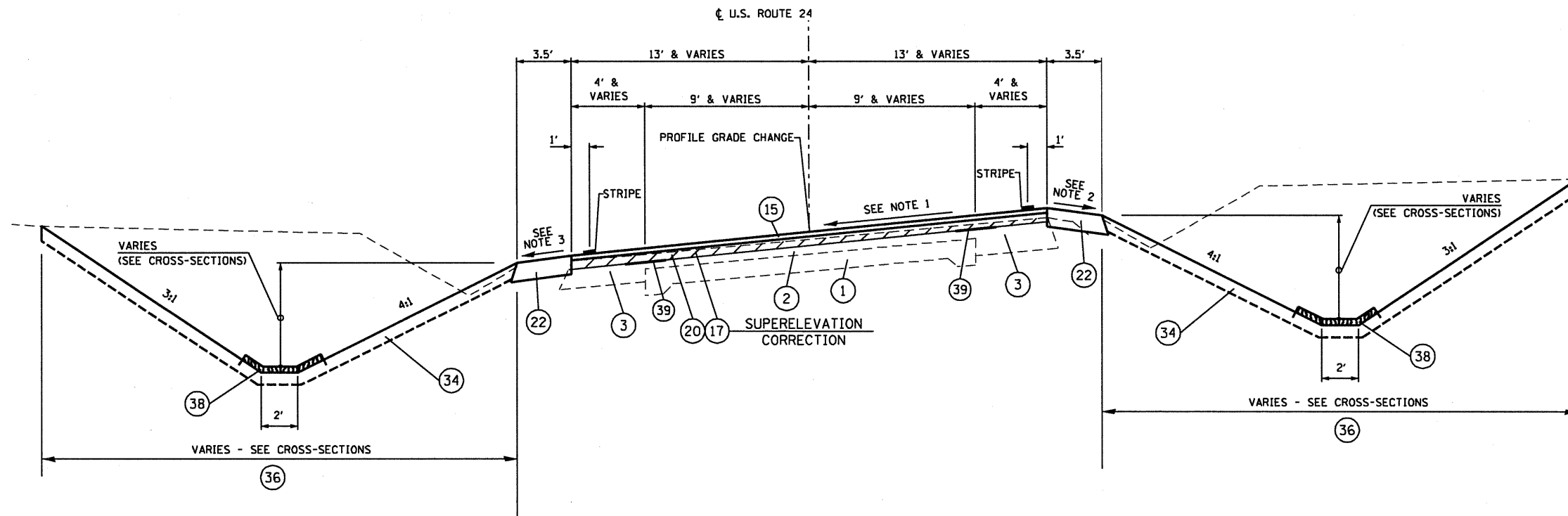
- ⑮ HOT-MIX ASPHALT SURFACE COURSE, MIXTURE "D", N50 (1-1/2")
- ⑰ HOT-MIX ASPHALT BINDER COURSE IL 19.0, N50 VARIABLE DEPTH (2 1/4" @  $\phi$ )
- ⑱ HOT-MIX ASPHALT BINDER COURSE IL 19.0, N50 (2 1/4")
- ⑲ HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- ⑳ HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (1 1/2" @  $\phi$ )
- ㉒ HOT-MIX ASPHALT SHOULDERS, 8" (SEE SCHEDULE FOR LIMITS)
- ㉕ AGGREGATE SHOULDERS, TYPE B
- ㉜ TOPSOIL FURNISH & PLACE, 4"
- ㉞ SEEDING, CLASS 2A
- ㉟ HEAVY DUTY EROSION CONTROL BLANKET
- ㊱ STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ㊲ GUARDRAIL AGGREGATE EROSION CONTROL (APPROX. 2 1/2" DEPTH)

STANDARD SLOPE CONVERSION TABLE

1.50% = 3/16" / FT.  
 2.00% = 1/4" / FT.  
 4.00% = 1/2" / FT.

FILE NAME = miscellaneous.sheet.dgn	USER NAME = horatki	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / IN.	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	FULTON	171	16
PLOT DATE = 7/30/2010	CHECKED -	REVISED -			<b>CONTRACT NO. 88098</b>							
	DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							





**TYPICAL SECTION NO. 2**  
 STA. 53+47 TO STA. 63+14  
 STA. 169+57 TO STA. 179+99

**NOTE 1:**  
 SEE THE PLAN AND PROFILE SHEETS FOR SUPERELEVATION RATES AND TRANSITIONS. TO CORRECT THE EXISTING SUPERELEVATION, MILL 1 1/2" AT CENTERLINE AND USE PROPOSED CROSXSLOPES. PLACE 2 1/4" BINDER AT CENTERLINE AND USE PROPOSED CROSS SLOPES. THE DEPTH OF MILLING AND BINDER WILL VARY OUTSIDE THE CENTERLINE.

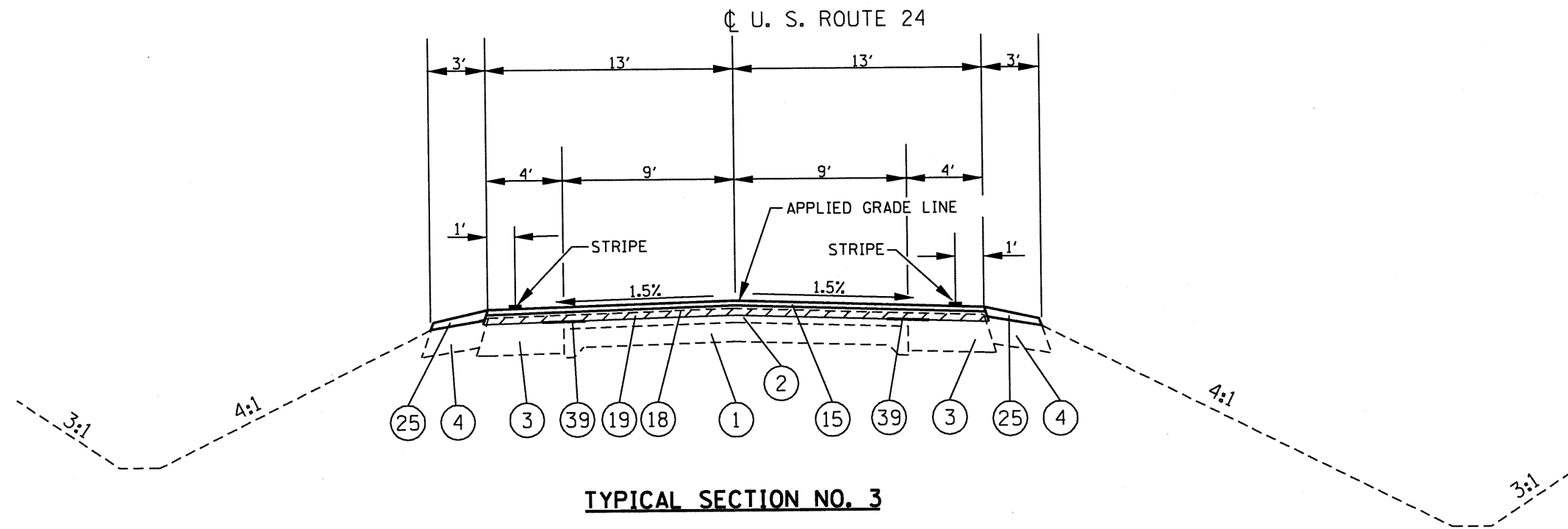
**NOTE 2:**  
 WHEN THE SUPERELEVATION RATE OF THE PAVEMENT IS BETWEEN 0% AND 4%, THE SHOULDER SHALL BE SLOPED AT 4%. WHEN THE SUPERELEVATION RATE OF THE PAVEMENT EXCEEDS 4%, THE SHOULDER SHALL BE SLOPED SUCH THAT THE ALGEBRAIC DIFFERENCE BETWEEN PAVEMENT AND SHOULDER SLOPES WILL NOT BE GREATER THAN 8%.

**NOTE 3:**  
 SLOPE SHALL BE THE SAME AS THE SUPERELEVATION RATE OF THE PAVEMENT, BUT NOT LESS THAN 4%.

- EXISTING**
- ① PORTLAND CEMENT CONCRETE PAVEMENT, 9"-6"-9"
  - ② HOT MIX ASPHALT SURFACE OVERLAY, 3"-5"
  - ③ HOT MIX ASPHALT BASE COURSE WIDENING, 9"
  - ④ EXIST. AGG. SHOULDERS
  - ⑤ HOT MIX ASPHALT PAVEMENT (FULL DEPTH)
  - ⑥ HOT MIX ASPHALT SHOULDERS

- PROPOSED**
- ⑮ HOT-MIX ASPHALT SURFACE COURSE, MIXTURE "D", N50 (1-1/2")
  - ⑰ HOT-MIX ASPHALT BINDER COURSE IL 19.0, N50 VARIABLE DEPTH (2 1/4 " @  $\phi$ )
  - ⑱ HOT-MIX ASPHALT BINDER COURSE IL 19.0, N50 (2 1/4 ")
  - ⑲ HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2 "
  - ⑳ HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (1 1/2" @  $\phi$ )
  - ㉑ HOT-MIX ASPHALT SHOULDERS, 8" (SEE SCHEDULE FOR LIMITS)
  - ㉒ AGGREGATE SHOULDERS, TYPE B
  - ㉓ TOPSOIL FURNISH & PLACE, 4"
  - ㉔ SEEDING, CLASS 2A
  - ㉕ HEAVY DUTY EROSION CONTROL BLANKET
  - ㉖ STRIP REFLECTIVE CRACK CONTROL TREATMENT
  - ㉗ GUARDRAIL AGGREGATE EROSION CONTROL (APPROX. 2 1/2" DEPTH)

STANDARD SLOPE CONVERSION TABLE	
1.50%	= 3/16" / FT.
2.00%	= 1/4" / FT.
4.00%	= 1/2" / FT.



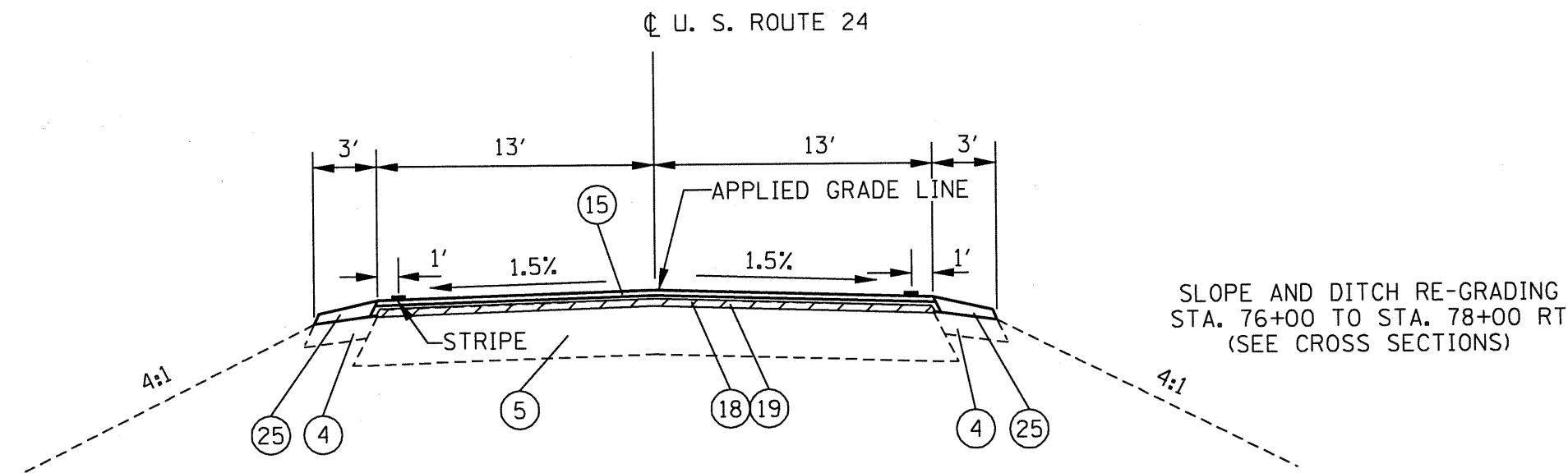
**TYPICAL SECTION NO. 3**

STA. 65+00 TO STA. 67+50

STA. 87+00 TO STA. 90+00

**EXISTING**

- ① PORTLAND CEMENT CONCRETE PAVEMENT, 9"-6"-9"
- ② HOT MIX ASPHALT SURFACE OVERLAY, 3"-5"
- ③ HOT MIX ASPHALT BASE COURSE WIDENING, 9"
- ④ EXIST. AGG. SHOULDERS
- ⑤ HOT MIX ASPHALT PAVEMENT (FULL DEPTH)
- ⑥ HOT MIX ASPHALT SHOULDERS



**TYPICAL SECTION NO. 4**

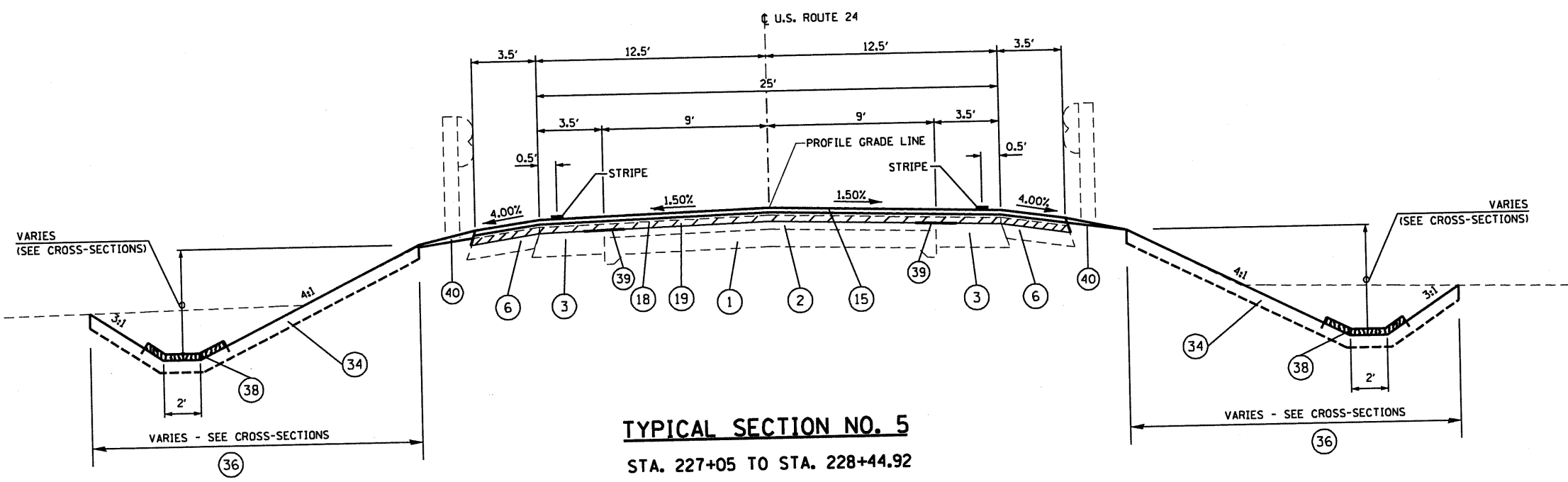
STA. 67+50 TO STA. 87+00

**PROPOSED**

- ⑮ HOT-MIX ASPHALT SURFACE COURSE, MIXTURE "D", N50 (1-1/2")
- ⑰ HOT-MIX ASPHALT BINDER COURSE IL 19.0, N50 VARIABLE DEPTH (2 1/4 " @  $\phi$ )
- ⑱ HOT-MIX ASPHALT BINDER COURSE IL 19.0, N50 (2 1/4 ")
- ⑲ HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2 "
- ⑳ HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (1 1/2" @  $\phi$ )
- ㉒ HOT-MIX ASPHALT SHOULDERS, 8" (SEE SCHEDULE FOR LIMITS)
- ㉕ AGGREGATE SHOULDERS, TYPE B
- ㉜ TOPSOIL FURNISH & PLACE, 4"
- ㉞ SEEDING, CLASS 2A
- ㉟ HEAVY DUTY EROSION CONTROL BLANKET
- ㊱ STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ㊲ GUARDRAIL AGGREGTE EROSION CONTROL (APPROX. 2 1/2" DEPTH)

STANDARD SLOPE CONVERSION TABLE	
1.50%	= 3/16" / FT.
2.00%	= 1/4" / FT.
4.00%	= 1/2" / FT.

FILE NAME = miscellaneous.sheet.dgn	USER NAME = horstkj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000 ' / IN.	DRAWN -	REVISED -					317	15W-2,RS-3;16W-3,RS-5	FULTON	177	18
PLOT DATE = 7/30/2010	CHECKED -	REVISED -	REVISED -	SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	<b>CONTRACT NO. 88098</b>		
	DATE -	REVISED -	REVISED -							FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		



**TYPICAL SECTION NO. 5**  
 STA. 227+05 TO STA. 228+44.92

**EXISTING**

- ① PORTLAND CEMENT CONCRETE PAVEMENT, 9"-6"-9"
- ② HOT MIX ASPHALT SURFACE OVERLAY, 3"-5"
- ③ HOT MIX ASPHALT BASE COURSE WIDENING, 9"
- ④ EXIST. AGG. SHOULDERS
- ⑤ HOT MIX ASPHALT PAVEMENT (FULL DEPTH)
- ⑥ HOT MIX ASPHALT SHOULDERS

**PROPOSED**

- ⑮ HOT-MIX ASPHALT SURFACE COURSE, MIXTURE "D", N50 (1-1/2")
- ⑰ HOT-MIX ASPHALT BINDER COURSE IL 19.0, N50 VARIABLE DEPTH (2 1/4" @  $\phi$ )
- ⑱ HOT-MIX ASPHALT BINDER COURSE IL 19.0, N50 (2 1/4" )
- ⑲ HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2 "
- ⑳ HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (1 1/2" @  $\phi$ )
- ㉓ HOT-MIX ASPHALT SHOULDERS, 8" (SEE SCHEDULE FOR LIMITS)
- ㉔ AGGREGATE SHOULDERS, TYPE B
- ㉕ TOPSOIL FURNISH & PLACE, 4"
- ㉖ SEEDING, CLASS 2A
- ㉘ HEAVY DUTY EROSION CONTROL BLANKET
- ㉙ STRIP REFLECTIVE CRACK CONTROL TREATMENT
- ㉚ GUARDRAIL AGGREGTE EROSION CONTROL (APPROX. 2 1/2" DEPTH)

STANDARD SLOPE CONVERSION TABLE	
1.50%	= 3/16" / FT.
2.00%	= 1/4" / FT.
4.00%	= 1/2" / FT.

FILE NAME = miscellaneous.sheet.dgn	USER NAME = horatkj	DESIGNED -	REVISD -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / IN.	DRAWN -	REVISD -					317	15W-2,RS-3;16W-3,RS-5	FULTON	171	19
PLOT DATE = 7/30/2010	CHECKED -	REVISD -	SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 88098					
	DATE -	REVISD -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

CULVERT REMOVAL SCHEDULE					
STATION		FOR INFO ONLY		PIPE CULVERT REMOVAL FEET	CONCRETE HEADWALL REMOVAL EACH
		SIZE	TYPE		
		(IN.)			
STA 24+42	LT	30	CMP	10	1
STA 24+42	RT	30	CMP	7	1
STA 30+43	LT	15	CMP	30	-
STA 34+57	LT	15	CMP	31	-
STA 43+68	LT	15	CMP	49	-
STA 50+95	LT	18	CMP	28	-
STA 51+76	RT	15	CMP	27	-
STA 51+86	LT	18	CMP	28	-
STA 59+07	-	18	-	-	2
STA 63+25	LT	15	CMP	47	-
STA 91+14	RT	15	CMP	55	-
STA 91+50	LT	15	CMP	28	-
STA 100+75	RT	2'X2'	BOX	-	1
STA 100+99	LT	30	-	-	1
STA 113+44	RT	15	CLAY	47	2
STA 113+61	LT	15	CLAY	18	2
STA 114+64	RT	12	CMP	24	-
STA 128+95	RT	15	CLAY	19	2
STA 130+93	LT	15	CMP	18	2
STA 131+67	RT	15	CMP	35	-
STA 135+65	RT	15	CLAY	19	2
STA 143+70	RT	15	CLAY/CMP	46	1
STA 150+36	LT	15	RCCP	22	1
STA 159+17	LT	15	CMP	19	2
STA 170+42	RT	15	CMP	35	-
STA 170+93	LT	15	CLAY	18	2
STA 200+75	RT	18	CLAY	33	2
STA 200+88	LT	24	CMP	-	1
STA 204+58	RT	15	STEEL	18	2
STA 220+99	LT	12	CMP	18	-
STA 221+00	RT	12	CMP	34	-
<b>TOTAL</b>				<b>763</b>	<b>27</b>

TREE REMOVAL			
LOCATION	6" TO 15" (UNIT)	OVER 15"	ACRES
STA. 112+95 RT		18	
STA 126+90 RT	9		
STA 129+20 to STA 129+52 RT	63		
STA 150+00 LT			0.10
STA 158+30 LT			0.05
STA 206+00 LT			0.20
STA 206+90 RT			0.05
STA 217+15 LT	8		
STA 218+00 LT	12	41	
STA 219+39 TO 220+83 LT	119	52	
STA 223+36 to STA 223+90 LT	105	79	
STA 227+00 LT			0.05
<b>TOTAL</b>	<b>316</b>	<b>190</b>	<b>0.5</b>

PAVEMENT REMOVAL	
LOCATION	AREA (SY)
T.R 66 (SHAW & SCHISLER RD)	274.6
CH 13 (VERMONT RD)	622.3
TR 26 (POWELL RD)	64.8
T.R. 30A (TIMOTHY LN)	348.6
<b>TOTAL</b>	<b>1310</b>

NOTE: EXISTING PAVEMENT THICKNESS IS APPROXIMATELY 8".

FENCE REMOVAL	
LOCATION	FT.
STA 63+41 -STA 65+31 LT	200
STA 126+64 -STA 127+36 LT	159
STA 142+80 -STA 143+00 LT	38
STA 227+00 -STA 227+04 LT	24
<b>TOTAL</b>	<b>421</b>

GUARDRAIL REMOVAL	
LOCATION	FT.
STA 126+59 -STA 127+34 LT	75
STA 143+91 -STA 144+67 LT	76
STA 149+18 -STA 150+20 LT	102
STA 149+08 -STA 150+10 RT	102
STA 155+62 -STA 156+38 LT	76
STA 157+77 -STA 158+91 LT	114
STA 205+18 -STA 206+69 LT	151
STA 205+40 -STA 207+28 RT	188
<b>TOTAL</b>	<b>884</b>

DRIVEWAY PAVEMENT REMOVAL		
STATION	OFFSET	AREA (SQ. YD.)
143+80	RT	94
200+90	RT	24
<b>TOTAL</b>		<b>118</b>

REMOVAL OF EXISTING STRUCTURES											
LOCATION	DESCRIPTION	NO. 1	NO. 2	NO. 3	NO. 4	NO. 5	NO. 6	NO. 7	NO. 8	NO. 9	NO. 10
		EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH	EACH
US 24 STA. 40+98	48" CMP AND CONC. HEADWALL	1									
US 24 STA. 41+16 RT.	32.5' LONG CONCRETE SPILLWAY		1								
US 24 STA. 110+34	2'x2' CONC. BOX CULVERT AND HEADWALLS			1							
US 24 STA. 121+02	2'x3' CONC. BOX CULVERT AND HEADWALLS				1						
US 24 STA. 126+95 RT.	21' LONG CONCRETE SPILLWAY										1
US 24 STA. 149+75 RT.	REMOVAL OF THE TOP 1'-2" OF WOOD POLES SUPPORTING THE HEADWALL					1					
US 24 STA. 186+70	2'x2' CONC. BOX CULVERT AND HEADWALLS						1				
US 24 STA. 200+74 RT.	APPROX 7' LONG, 3' TALL GUARDRAIL RETAINING WALL							1			
US 24 STA. 200+88 RT.	APPROX 7' LONG, 4' TALL GUARDRAIL RETAINING WALL								1		
US 24 STA. 206+75 RT.	APPROX 7' LONG, 4' TALL GUARDRAIL RETAINING WALL									1	

WORKZONE PAVEMENT MARKING REMOVAL		
LOCATION	LENGTH OF SHORT TERM MARKINGS ON FINAL SURF. (FT)	AREA (SQ FT)
23+85 TO 228+44.92	2046	682
<b>TOTAL</b>		<b>682</b>

RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	
LOCATION	EACH
STA. 23+85 TO 228+44.92	257

EARTHWORK				
LOCATION	EARTH EXCAVATION (CUT)	FOR INFORMATION ONLY		
		ADJUSTED EARTH EXCAVATION (ADJ. CUT)	EMBANKMENT (FILL)	WASTE
	CY	CY	CY	CY
EARTHWORK FROM STA. 23+85 TO 228+44.92	43100	34480	3462	31018
<b>TOTAL</b>	<b>43100</b>	<b>34480</b>	<b>3462</b>	<b>31018</b>

NOTE: ADJUSTED EARTH EXCAVATION CALCULATED ASSUMING A 20% SHRINKAGE FACTOR. THE QUANTITY CALCULATED FOR WASTE IS BASED ON THE ADJUSTED EARTH EXCAVATION QUANTITY.

GRADING AND SHAPING DITCHES		
STATION	OFFSET	LENGTH (FT)
24+34	LT	41
41+00	LT	39
146+89.11	LT	47
153+44.00	LT	58
156+04.40	LT	70
162+39.59	LT	40
170+75 (Ditch along W. Side of Dean Rd.)	LT	105
186+71.90	RT	65
200+71	RT	50
206+73.11	RT	35
214+41.35	RT	55
217+16.61	RT	52
<b>TOTAL</b>		<b>657</b>

FILE NAME = miscellaneous.sheet.dgn	USER NAME = russellm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SCHEDULE OF QUANTITIES</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -		SCALE:	SHEET NO. 2 OF 13 SHEETS	STA.	TO STA.	317	15W-2,RS-3 16W-3,RS-5	FULTON	171	21
		CHECKED -	REVISED -							<b>CONTRACT NO. 88098</b>			
		DATE -	REVISED -							FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

HEAVY DUTY EROSION CONTROL BLANKET							
LOCATION				LOCATION	WIDTH	LENGTH	AREA
					(FT.)	(FT.)	SQ. YD.
24+00	TO	24+37	LT	DITCH	8	37	33
24+49	TO	30+11	LT	DITCH	8	562	500
30+71	TO	32+00	LT	DITCH	8	129	115
34+00	TO	34+26	LT	DITCH	8	26	23
34+86	TO	35+00	LT	DITCH	8	14	12
38+00	TO	40+92	LT	DITCH	8	292	260
41+09	TO	43+33	LT	DITCH	8	224	199
43+94	TO	45+00	LT	DITCH	8	106	94
50+00	TO	50+70	LT	DITCH	8	70	62
51+20	TO	51+60	LT	DITCH	8	40	36
52+10	TO	53+00	LT	DITCH	8	90	80
58+90	TO	62+91	LT	DITCH	8	401	356
63+56	TO	64+92	LT	DITCH	8	136	121
90+00	TO	91+23	LT	DITCH	8	123	109
91+73	TO	100+24	LT	DITCH	8	851	756
101+19	TO	110+29	LT	DITCH	8	910	809
110+41	TO	113+30	LT	DITCH	8	289	257
113+90	TO	120+00	LT	DITCH	8	610	542
121+09	TO	122+11	LT	DITCH	8	102	91
122+71	TO	126+00	LT	DITCH	8	329	292
129+00	TO	130+70	LT	DITCH	8	170	151
131+20	TO	144+38	LT	DITCH	8	1318	1172
144+51	TO	145+23	LT	DITCH	8	72	64
145+83	TO	146+83	LT	DITCH	8	100	89
146+96	TO	147+86	LT	DITCH	8	90	80
152+30	TO	153+38	LT	DITCH	8	108	96
153+50	TO	155+98	LT	DITCH	8	248	220
156+11	TO	157+00	LT	DITCH	8	89	79
159+51	TO	160+00	LT	DITCH	8	49	44
160+78	TO	162+33	LT	DITCH	8	155	138
162+46	TO	170+44	LT	DITCH	8	798	709
170+70	TO	176+96	LT	DITCH	8	733	652
178+35	TO	186+66	LT	DITCH	8	831	739
186+78	TO	200+62	LT	DITCH	8	1384	1230
200+80	TO	201+01	LT	DITCH	8	21	19
202+00	TO	204+00	LT	DITCH	8	200	178
207+00	TO	209+62	LT	DITCH	8	262	233
210+22	TO	214+35	LT	DITCH	8	413	367
214+48	TO	217+10	LT	DITCH	8	262	233
217+23	TO	220+81	LT	DITCH	8	358	318
221+13	TO	227+00	LT	DITCH	8	587	522

TREE WHIP MIXTURE	
LOCATION	EACH
STA. 23+85.00 TO 228+44.92	104

HEAVY DUTY EROSION CONTROL BLANKET							
LOCATION				LOCATION	WIDTH	LENGTH	AREA
					(FT.)	(FT.)	SQ. YD.
24+00	TO	24+36	RT	DITCH	8	36	32
24+49	TO	27+39	RT	DITCH	8	290	258
27+93	TO	32+00	RT	DITCH	8	407	362
38+00	TO	40+92	RT	DITCH	8	292	260
41+09	TO	44+00	RT	DITCH	8	291	259
50+00	TO	51+35	RT	DITCH	8	135	120
51+95	TO	65+00	RT	DITCH	8	1305	1160
90+00	TO	90+94	RT	DITCH	8	94	84
91+59	TO	99+89	RT	DITCH	8	830	738
101+23	TO	110+27	RT	DITCH	8	904	804
110+39	TO	113+55	RT	DITCH	8	316	281
113+94	TO	114+33	RT	DITCH	8	39	35
114+88	TO	120+96	RT	DITCH	8	608	540
121+09	TO	126+00	RT	DITCH	8	491	436
129+37	TO	131+23	RT	DITCH	8	186	165
132+08	TO	135+34	RT	DITCH	8	326	290
135+94	TO	143+38	RT	DITCH	8	744	661
144+07	TO	144+39	RT	DITCH	8	32	28
144+51	TO	146+78	RT	DITCH	8	227	202
146+91	TO	149+74	RT	DITCH	8	283	252
149+86	TO	153+38	RT	DITCH	8	352	313
153+50	TO	155+98	RT	DITCH	8	248	220
156+11	TO	158+32	RT	DITCH	8	221	196
158+45	TO	160+30	RT	DITCH	8	185	164
160+90	TO	162+33	RT	DITCH	8	143	127
162+46	TO	170+14	RT	DITCH	8	768	683
174+00	TO	185+00	RT	DITCH	8	1100	978
185+61	TO	186+66	RT	DITCH	8	105	93
186+78	TO	200+11	RT	DITCH	8	1333	1185
200+66	TO	200+84	RT	DITCH	43	18	86
200+80	TO	204+29	RT	DITCH	8	349	310
207+99	TO	209+78	RT	DITCH	8	179	159
210+38	TO	214+35	RT	DITCH	8	397	353
214+48	TO	217+10	RT	DITCH	8	262	233
217+23	TO	217+69	RT	DITCH	8	46	41
218+40	TO	220+68	RT	DITCH	8	228	203
221+28	TO	223+00	RT	DITCH	8	172	153
225+00	TO	228+00	RT	DITCH	8	300	267
<b>TOTAL</b>							<b>24809</b>

TEMPORARY DITCH CHECKS					
STATION TO STATION			QUANTITY	INDIVIDUAL LENGTH	LENGTH (FEET)
24+00	TO	38+00	23	12	276
38+00	TO	53+00	21	12	252
53+00	TO	68+00	26	12	312
68+00	TO	83+00	5	12	60
83+00	TO	98+00	14	12	168
98+00	TO	113+00	44	12	528
113+00	TO	128+00	56	12	672
128+00	TO	143+00	25	12	300
143+00	TO	158+00	60	12	720
158+00	TO	173+00	27	12	324
173+00	TO	188+00	26	12	312
188+00	TO	203+00	26	12	312
203+00	TO	218+00	40	12	480
218+00	TO	228+44.92	14	12	168
<b>SUBTOTAL</b>			<b>407</b>	<b>12</b>	<b>4884</b>
<b>REINSTALLATIONS - 50%</b>			<b>204</b>	<b>12</b>	<b>2442</b>
<b>TOTAL</b>					<b>7326</b>

SEEDING AND FERTILIZER SUMMARY							
LOCATION	TEMP. EROSION CONTROL SEEDING	SEEDING, CLASS 2A	MULCH, METHOD 2	NITROGEN FERT. NUT.	PHOSPHORUS FERT. NUT.	POTASSIUM FERT. NUT.	TOPSOIL FURNISH & PLACE, 4"
STATION TO STATION	LBS.	ACRE	ACRE	LBS.	LBS.	LBS.	SQ. YD.
23+85 - 38+00	318.0	1.06	0.8	95.4	95.4	95.4	5130.4
38+00 - 53+00	336.0	1.12	0.8	100.8	100.8	100.8	5420.8
53+00 - 68+00	288.0	0.96	0.6	86.4	86.4	86.4	4646.4
68+00 - 83+00	57.0	0.19	0.2	17.1	17.1	17.1	919.6
83+00 - 98+00	306.0	1.02	0.7	91.8	91.8	91.8	4936.8
98+00 - 113+00	516.0	1.72	1.3	154.8	154.8	154.8	8324.8
113+00 - 128+00	477.0	1.59	1.2	143.1	143.1	143.1	7695.6
128+00 - 143+00	513.0	1.71	1.2	153.9	153.9	153.9	8276.4
143+00 - 158+00	636.0	2.12	1.7	190.8	190.8	190.8	10260.8
158+00 - 173+00	489.0	1.63	1.2	146.7	146.7	146.7	7889.2
173+00 - 188+00	450.0	1.50	1.0	135.0	135.0	135.0	7260.0
188+00 - 203+00	564.0	1.88	1.3	169.2	169.2	169.2	9099.2
203+00 - 218+00	645.0	2.15	1.8	193.5	193.5	193.5	10406.0
218+00 - 228+44.92	318.0	1.06	0.8	95.4	95.4	95.4	5130.4
<b>TOTAL</b>	<b>5913</b>	<b>19.7</b>	<b>15</b>	<b>1774</b>	<b>1774</b>	<b>1774</b>	<b>95396</b>

PERIMETER EROSION BARRIER				
STATION TO STATION		OFFSET	LENGTH (FT)	
101+40	TO 110+00	LT	860	
110+60	TO 113+00	LT	240	
121+00	TO 122+00	LT	100	
123+00	TO 126+00	LT	300	
133+00	TO 144+20	LT	1120	
144+84	TO 145+38	LT	54	
145+90	TO 146+68	LT	78	
147+00	TO 147+95	LT	95	
150+00	TO 151+70	LT	170	
152+53	TO 153+24	LT	71	
153+60	TO 155+90	LT	230	
160+70	TO 162+30	LT	160	
162+50	TO 177+00	LT	1450	
171+00	TO 185+00	RT	1400	
185+50	TO 186+60	RT	110	
186+80	TO 198+00	RT	1120	
201+00	TO 204+00	RT	300	
207+00	TO 210+00	RT	300	
210+66	TO 214+00	RT	334	
214+58	TO 217+00	RT	242	
218+40	TO 220+24	RT	184	
227+00	TO 228+40	RT	140	
<b>TOTAL</b>			<b>9058</b>	

INLET & PIPE PROTECTION			
STATION TO STATION		EACH	
24+00	TO 38+00	3	
38+00	TO 53+00	5	
53+00	TO 68+00	3	
68+00	TO 83+00	1	
83+00	TO 98+00	2	
98+00	TO 113+00	3	
113+00	TO 128+00	5	
128+00	TO 143+00	4	
143+00	TO 158+00	9	
158+00	TO 173+00	3	
173+00	TO 188+00	3	
188+00	TO 203+00	2	
203+00	TO 218+00	4	
218+00	TO 228+44.92	3	
<b>TOTAL</b>			<b>50</b>

GUARDRAIL AGGREGATE EROSION CONTROL	
LOCATION	TONS
US 24 STA. 227+05 TO 228+44.92 LT.	6
US 24 STA. 227+05 TO 228+44.92 RT.	6
<b>TOTAL</b>	<b>12</b>

SEDIMENT BASINS			
STATION	OFFSET	EARTH EXCAVATION FOR	AGGREGATE
		EROSION CONTROL (CU YD)	(EROSION CONTROL) (TON)
024+34	LT	29.6	4.9
040+99	LT	29.6	4.9
101+11	LT	29.6	4.9
110+42	LT	29.6	4.9
121+04	LT	29.6	4.9
127+05	LT	29.6	4.9
144+49	LT	29.6	4.9
146+90	LT	29.6	4.9
149+88	LT	29.6	4.9
153+42	LT	29.6	4.9
155+91	LT	29.6	4.9
158+11	LT	29.6	4.9
162+32	LT	29.6	4.9
186+26	RT	29.6	4.9
200+81	RT	29.6	4.9
206+76	RT	29.6	4.9
214+26	RT	29.6	4.9
216+98	RT	29.6	4.9
<b>TOTAL</b>		<b>533</b>	<b>88</b>

RIPRAP SCHEDULE													
LOCATION				WIDTH (MEASU RED)	LENGTH (FT)	AREA (SF)	AREA (SY)	STONE RIPRAP, CLASS B3 (TON)	STONE RIPRAP CLASS A4 (TON)	STONE RIPRAP CLASS A5 (TON)	FILTER FABRIC (SY)		
24+36	TO	24+49	RT	21	13	262.5	29.2		19.4		29.2		
40+92	TO	41+32	RT	32	41	1296.0	144.0		96.0		144.0		
76+00	TO	78+00	RT	13	204	2652.0	294.7	98.2			294.7		
100+81	TO	101+23	RT	16	41	656.0	72.9		48.6		72.9		
110+27	TO	110+40	RT	20	13	260.0	28.9		19.3		28.9		
120+96	TO	121+09	RT	18	13	234.0	26.0		17.3		26.0		
126+00	TO	126+89	RT	13	90	1170.0	130.0	43.3			130.0		
126+89	TO	127+01	RT	15	13	195.0	21.7		14.4		21.7		
127+01	TO	128+67	RT	13	166	2158.0	239.8		159.9		239.8		
129+25	TO	129+37	RT	13	13	169.0	18.8		12.5		18.8		
131+23	TO	131+35	RT	13	13	169.0	18.8		12.5		18.8		
131+95	TO	132+08	RT	13	13	169.0	18.8		12.5		18.8		
144+39	TO	144+51	RT	15	13	195.0	21.7		14.4		21.7		
146+78	TO	146+91	RT	15	13	195.0	21.7		14.4		21.7		
149+74	TO	149+86	RT	15	13	195.0	21.7		14.4		21.7		
153+38	TO	153+50	RT	15	13	195.0	21.7		14.4		21.7		
155+98	TO	156+11	RT	15	13	195.0	21.7		14.4		21.7		
158+32	TO	158+45	RT	15	13	195.0	21.7		14.4		21.7		
162+33	TO	162+46	RT	15	13	195.0	21.7		14.4		21.7		
186+66	TO	186+78	RT	15	13	195.0	21.7		14.4		21.7		
200+62	TO	200+80	RT	28	18	504.0	56.0		37.3		56.0		
204+90	TO	206+65	RT	13	180	2340.0	260.0	86.7			260.0		
206+65	TO	206+78	RT	25	13	325.0	36.1		24.1		36.1		
206+78	TO	207+98	RT	13	130	1690.0	187.8	62.6			187.8		
214+35	TO	214+48	RT	15	13	195.0	21.7		14.4		21.7		
217+10	TO	217+23	RT	15	13	195.0	21.7		14.4		21.7		
24+36	TO	24+49	LT	36	13	468.0	52.0		34.7		52.0		
40+92	TO	41+09	LT	19	17	323.0	35.9		23.9		35.9		
101+02	TO	101+19	LT	43	13	559.0	62.1		41.4		62.1		
110+29	TO	110+41	LT	38	13	494.0	54.9		36.6		54.9		
120+00	TO	120+98	LT	13	99	1287.0	143.0	47.7			143.0		
120+97	TO	121+08	LT	19	13	247.0	27.4		18.3		27.4		
126+00	TO	126+79	LT	13	85	1105.0	122.8	40.9			122.8		
126+79	TO	127+23	LT	48	19	912.0	101.3		92.9		101.3		
127+23	TO	129+00	LT	13	195	2535.0	281.7	93.9			281.7		
144+37	TO	144+50	LT	38	13	494.0	54.9		36.6		54.9		
146+83	TO	146+95	LT	15	13	195.0	21.7		14.4		21.7		
148+75	TO	149+81	LT	13	106	1378.0	153.1	51.0			153.1		
149+81	TO	149+92	LT	26	13	338.0	37.6		25.0		37.6		
149+92	TO	151+50	LT	13	157	2041.0	226.8	75.6			226.8		
153+38	TO	153+50	LT	13	13	169.0	18.8		12.5		18.8		
155+98	TO	156+11	LT	15	13	195.0	21.7		14.4		21.7		
157+00	TO	158+86	LT	13	210	2730.0	303.3	101.1			303.3		
162+33	TO	162+46	LT	13	13	169.0	18.8		12.5		18.8		
186+66	TO	186+78	LT	15	13	195.0	21.7		14.4		21.7		
200+62	TO	200+80	LT	18	18	324.0	36.0		24.0		36.0		
204+00	TO	205+50	LT	13	155	2015.0	223.9	74.6			223.9		
205+50	TO	206+50	LT	13	102	1326.0	147.3		98.2		147.3		
206+50	TO	207+00	LT	13	53	689.0	76.6	25.5			76.6		
214+35	TO	214+48	LT	15	13	195.0	21.7		14.4		21.7		
217+10	TO	217+23	LT	15	13	195.0	21.7		14.4		21.7		
FILTER FABRIC QUANTITY FROM CULVERT UNDERCUTS													
<b>TOTAL</b>													
								<b>801</b>	<b>1054</b>	<b>93</b>	<b>4237</b>		

AGGREGATE-TEMPORARY ACCESS				
STATION (NAME)	OFFSET	TYPE OF ENTRANCE	VOLUME	AGGREGATE-TEMPORARY ACCESS
			CY	TON
27+66	RT	P.E.	1.11	2.28
30+41	LT	F.E.	1.11	2.28
34+56	LT	F.E.	1.11	2.28
43+63	LT	C.E.	1.11	2.28
50+95	LT	P.E.	1.11	2.28
51+65	RT	F.E.	1.11	2.28
51+85	LT	F.E.	1.11	2.28
63+24	LT	C.E.	1.11	2.28
91+29	RT	F.E.	1.11	2.28
91+48	LT	P.E.	1.11	2.28
113+59	LT	F.E.	1.11	2.28
113+74	RT	P.E.	1.11	2.28
114+59	RT	F.E.	1.11	2.28
122+41	LT	F.E.	1.11	2.28
128+96	RT	F.E.	1.11	2.28
130+95	LT	P.E.	1.11	2.28
131+65	RT	F.E.	1.11	2.28
135+63	RT	F.E.	1.11	2.28
143+80	RT	C.E.	1.11	2.28
148+16	LT	F.E.	1.11	2.28
152+00	LT	F.E.	1.11	2.28
159+18	LT	F.E.	1.11	2.28
160+45	LT	C.E.	1.11	2.28
160+60	RT	F.E.	1.11	2.28
170+44	RT	F.E.	1.11	2.28
177+28	LT	F.E.	1.11	2.28
177+60	RT	F.E.	1.11	2.28
178+05	LT	F.E.	1.11	2.28
200+35	RT	P.E.	1.11	2.28
204+60	RT	F.E.	1.11	2.28
209+92	LT	F.E.	1.11	2.28
210+08	RT	F.E.	1.11	2.28
218+06	RT	F.E.	1.11	2.28
220+97	LT	P.E.	1.11	2.28
220+97	RT	F.E.	1.11	2.28
SHAW & SHISLER RD (T.R. 66)	LT	SIDEROAD	4.32	8.86
OAK GROVE RD. (T.R. 56)	LT	SIDEROAD	4.32	8.86
CH 13 (FAS 451)	RT	SIDEROAD	4.32	8.86
DEAN RD. (T.R. 30)	LT	SIDEROAD	4.32	8.86
POWELL RD. (T.R. 26)	RT	SIDEROAD	4.32	8.86
TIMOTHY LN. (T.R. 30A)	LT	SIDEROAD	4.32	8.86
SULLIVAN RD. (T.R. 22)	RT	SIDEROAD	4.32	8.86
<b>TOTALS</b>				<b>142</b>



RESURFACING SCHEDULE												
STATION TO STATION			WIDTH	LENGTH	AREA	HMA SURFACE REMOVAL - BUTT JOINT	HMA SURFACE REMOVAL, 1 1/2"	STRIP REFLECTIVE CRACK CONTROL TREATMENT	POLY BIT. MATERIALS (PRIME COAT)	HMA BINDER COURSE, IL-19.0, N50 (2 1/4")	POLY HMA SURFACE CSE., MIX "D", N50 (1 1/2")	MATERIAL TRANSFER DEVICE
US 24			FT	FT	SQ. YD.	SQ. YD.	SQ. YD.	FT	TON	TON	TON	TON
23+85.00	TO	24+30.00	26	45.0	130.0	130.0		90.0	0.1	16.4	10.9	27.3
24+30.00	TO	171+31.73 (BK)*	26	14701.7	42471.7		42471.7	29403.5	35.7	5401.4	3567.6	8969.0
171+23.69 (AH)	TO	227+15.00 *	26	5591.3	16152.6		16152.6	11182.6	13.6	2085.2	1356.8	3442.1
227+15.00	TO	227+99.92	32	84.9	301.9		301.9	169.8	0.3	38.0	25.4	63.4
227+99.92	TO	228+44.92	32	45.0	160.0	160.0		90.0	0.1	20.2	13.4	33.6
SIDEROADS**									1.3			
TOTAL						290	58926	40936	51.0	7561	4974	12535

\*NOTE: 50.0 TONS OF HMA BINDER COURSE, IL-19.0, N50 ADDED TO ALLOW FOR SUPERELEVATION CORRECTION.

\*\*NOTE: SEE SIDEROAD AND ENTRANCE SCHEDULE

TEMPORARY RAMP				
LOCATION	LENGTH (FT)	WIDTH (FT)	# OF RAMPS	AREA (SY)
T.R. 66 (SHAW & SCHISLER RD)	70	7.5	2	116.7
T.R. 56A (HAMM RD)	80	7.5	1	66.7
CH 13 (VERMONT RD)	161	7.5	2	268.3
T.R. 56 (OAK GROVE RD)	75	7.5	1	62.5
T.R. 26 (POWELL RD)	54	7.5	1	45.0
T.R. 30 (DEAN RD)	45	7.5	1	37.5
T.R. 30A (TIMOTHY LN)	100	7.5	2	166.7
T.R. 22 (SULLIVAN RD)	75	7.5	1	62.5
24+70	26	12.5	1	36.1
228+45	26	12.5	1	36.1
TOTAL				898

CONSTRUCTING TEST STRIP	
LOCATION	EACH
JOBSITE	1
TOTAL	1

TABULATION OF SHOULDER QUANTITIES					
STA. TO STA.		OFFSET	LENGTH	AGG. SHOULDER TYPE B	HMA SHOULDER 8"
			FT.	TON	SQ. YD.
23+85	52+70	LT&RT	5770	987	-
52+70	63+91	LT&RT	2242	-	810
63+91	65+00	LT&RT	218	37	-
65+00	90+00	LT&RT	5000	855	-
90+00	168+81	LT&RT	15762	2695	-
168+81	180+75	LT&RT	2404	-	833
180+75	227+15	LT&RT	9280	1587	-
TOTAL				6161	1643

SIDEROAD AND ENTRANCE SCHEDULE											
STATION (NAME)	NOTES	LT / RT	TYPE OF ENTRANCE	LENGTH (MEAS. PERPENDICULAR FROM E.O.P.)	POLY BIT. MATLS (PRIME COAT)	HMA BASE COURSE, 6"	INCIDENTAL HMA SURFACING		AGGREGATE SURFACE COURSE, TYPE B		
							(2")	(2 1/4")	SQ YD (FYI ONLY)	(2 1/4" TO 0" TAPER)	(8")
							TON	TON			
27+66	**	RT	P.E.	34.5	0.02	69.1	7.7	-	81.7	-	37.2
30+41.00		LT	F.E.	36.6	0.02	51.6	5.8	-	106.7	-	48.6
34+55.87		LT	F.E.	36.0	0.02	51.4	5.8	-	104.5	-	47.6
43+63.00		LT	C.E.	35.9	0.02	51.4	5.8	-	103.8	-	47.3
50+95.00		LT	P.E.	26.0	0.01	42.9	4.8	-	50.9	-	23.2
51+65.00	**	RT	F.E.	35.3	0.02	73.5	8.2	-	102.6	-	46.8
51+85.00		LT	F.E.	25.8	0.01	42.9	4.8	-	51.0	-	23.2
63+23.50		LT	C.E.	36.8	0.02	55.7	6.2	-	123.2	-	56.1
65+13.00	*	LT	P.E.	-	0.01	-	-	3.4	22.2	2.5	-
71+27.00	*	LT	F.E.	-	0.01	-	-	3.4	22.2	2.5	-
81+70.00	*	LT	F.E.	-	0.01	-	-	3.4	22.2	2.5	-
85+29.00	*	RT	F.E.	-	0.01	-	-	3.4	22.2	2.5	-
91+29.00	**	RT	F.E.	35.0	0.02	73.3	8.2	-	100.8	-	45.9
91+48.00		LT	P.E.	36.4	0.01	42.8	4.8	-	74.3	-	33.8
113+59.00		LT	F.E.	35.6	0.02	51.3	5.7	-	102.9	-	46.9
113+74.09	**	RT	P.E.	36.4	0.04	134.3	15.0	-	184.0	-	83.8
114+59.00		RT	F.E.	37.9							
122+41.00		LT	F.E.	34.5	0.02	51.6	5.8	-	100.1	-	45.6
128+96.00		RT	F.E.	36.0	0.02	51.3	5.7	-	104.3	-	47.5
130+95.00		LT	P.E.	41.3	0.01	42.0	4.7	-	75.0	-	34.2
131+65.00	**	RT	F.E.	36.0	0.02	73.4	8.2	-	104.8	-	47.7
135+63.00		RT	F.E.	36.2	0.02	51.4	5.8	-	105.3	-	48.0
143+80.00	**	RT	C.E.	35.7	0.02	65.0	7.3	-	69.4	-	31.6
148+16.00		LT	F.E.	35.1	0.02	51.4	5.8	-	102.0	-	46.4
152+00.00		LT	F.E.	35.6	0.02	51.6	5.8	-	103.4	-	47.1
159+18.00		LT	F.E.	42.2	0.02	51.5	5.8	-	125.1	-	57.0
160+45.00		LT	C.E.	25.5	0.02	55.8	6.2	-	79.3	-	36.1
160+60.00		RT	F.E.	35.6	0.02	51.3	5.7	-	103.1	-	47.0
170+44.00		RT	F.E.	25.3	0.02	51.2	5.7	-	68.2	-	31.1
177+28.00		LT	F.E.	25.0	0.04	119.8	13.4	-	135.6	-	61.8
178+05.00		LT	F.E.	25.0							
177+60.00		RT	F.E.	35.5	0.02	51.6	5.8	-	103.1	-	47.0
200+35.25	**	RT	P.E.	118.6	0.01	41.7	4.7	-	186.3	-	84.8
204+60.00		RT	F.E.	35.6	0.02	51.4	5.8	-	103.1	-	47.0
209+91.57		LT	F.E.	40.9	0.02	51.3	5.7	-	120.9	-	55.1
210+08.00		RT	F.E.	35.7	0.02	51.5	5.8	-	103.2	-	47.0
218+06.00		RT	F.E.	56.4	0.02	51.5	5.8	-	172.3	-	78.5
220+97.00		LT	P.E.	36.1	0.01	21.3	2.4	-	50.1	-	22.8
220+97.00	**	RT	F.E.	35.4	0.02	68.7	7.7	-	102.6	-	46.7
SHAW & SHISLER RD (T.R. 66)		LT	SIDEROAD		0.09	281.6	31.5	-	-	-	-
HAMM RD. (T.R. 56A)	*	RT	SIDEROAD		0.07	-	-	26.6	-	5.1	-
OAK GROVE RD. (T.R. 56)		LT	SIDEROAD		0.07	233.6	26.2	-	43.9	-	20.0
VERMONT RD (CH 13)		RT	SIDEROAD		0.20	633.7	71.0	-	-	-	-
DEAN RD. (T.R. 30)		LT	SIDEROAD		0.03	91.9	10.3	-	33.9	-	15.4
POWELL RD. (T.R. 26)		RT	SIDEROAD		0.04	126.0	14.1	-	41.3	-	18.8
TIMOTHY LN. (T.R. 30A)		LT	SIDEROAD		0.12	374.9	42.0	-	-	-	-
SULLIVAN RD. (T.R. 22)		RT	SIDEROAD		0.07	231.0	25.9	-	56.2	-	25.6
<b>SUBTOTALS</b>					1.3	3869.2	433.4	40.2		15.1	1630.2
<b>TOTALS</b>					<b>1.3***</b>	<b>3869</b>	<b>474</b>			<b>1645</b>	

\*THESE SIDEROADS/ENTRANCES SHALL RECEIVE A 2.25" LIFT OF INCIDENTAL HMA SURFACING ON EXISTING HMA PAVEMENT, AND AGGREGATE SURFACE COURSE SHALL BE USED TO CONSTRUCT A 10 FOOT LONG (ENTRANCES) / 20 FOOT LONG (SIDEROAD) TAPER TO MATCH INTO EXISTING.

\*\*INCLUDES MAILBOX TURNOUT

\*\*\*GRAND TOTAL IS IN THE RESURFACING SCHEDULE.

CLASS D PATCHES 12"									
PATCHING UNIT	SIZE (FT x FT)			TYPE II		TYPE III		TYPE IV	
				# OF PATCHES	SQ. YD.	# OF PATCHES	SQ. YD.	# OF PATCHES	SQ. YD.
EAST END OF PROJECT TO HAMM RD.	6	X	13	46	398.7				
	8	X	13	4	46.2				
	10	X	13	7	101.1				
	12	X	13			2	34.7		
	15	X	13			5	108.3		
	20	X	13					5	144.4
	40	X	13					4	231.1
	50	X	13					1	72.2
HAMM RD. TO OAK GROVE RD.	6	X	13	5	43.3				
	8	X	13	2	23.1				
	10	X	13	1	14.4				
	12	X	13			1	17.3		
	20	X	13					4	115.6
	4	X	20	2	17.8				
	4	X	50			7	155.6		
OAK GROVE RD. TO DEAN RD.	6	X	13	108	936.0				
	8	X	13	7	80.9				
	10	X	13	6	86.7				
	12	X	13			1	17.3		
	15	X	13			4	86.7		
	20	X	13					14	404.4
	25	X	13					2	72.2
	40	X	13					3	173.3
	50	X	13					2	144.4
	80	X	13					1	115.6
	150	X	13					1	216.7
	4	X	15	2	13.3				
	4	X	20	2	17.8				
	4	X	30	1	13.3				
	4	X	60					1	26.7
4	X	100					1	44.4	
4	X	120					1	53.3	
DEAN RD. TO WEST END OF PROJECT	6	X	13	52	450.7				
	8	X	13	6	69.3				
	10	X	13	3	43.3				
	15	X	13			6	130.0		
	20	X	13					1	28.9
	25	X	13					2	72.2
	30	X	13					5	216.7
	50	X	13					1	72.2
	80	X	13					2	231.1
	4	X	30	1	13.3				
	4	X	100					1	44.4
SUBTOTALS					2369.3		549.9		2480.0
INCREASE FOR WINTER BREAKUP (5%)					118.5		27.5		124.0
<b>TOTAL</b>					<b>2488</b>		<b>577</b>		<b>2604</b>

CLASS C PATCHES, TYPE II, 12"				
CULVERT STA.	SIZE (FT x FT)			SQ. YD.
	STA. 24+34 LT	8	X	
STA. 24+34 RT	8	X	13	11.6
STA. 41+00 LT	10	X	13	14.4
STA. 41+00 RT	10	X	13	14.4
STA. 101+12 LT	9	X	13	13.0
STA. 101+12 RT	9	X	13	13.0
STA. 110+34.04 LT	9	X	13	13.0
STA. 110+34.04 RT	9	X	13	13.0
STA. 121+02 LT	10	X	13	14.4
STA. 121+02 RT	10	X	13	14.4
STA. 186+71.90 LT	9	X	13	13.0
STA. 186+71.90 RT	9	X	13	13.0
STA. 200+71 LT	8	X	13	11.6
STA. 200+71 RT	8	X	13	11.6
<b>TOTAL</b>				<b>182.0</b>

CULVERT NO. & STATION	PRECAST CONCRETE BOX CULVERT						BOX CULVERT END SECTION, CULVERT NO. 1  (EACH)	BOX CULVERT END SECTION, CULVERT NO. 2  (EACH)	BOX CULVERT END SECTION, CULVERT NO. 3  (EACH)	BOX CULVERT END SECTION, CULVERT NO. 4  (EACH)	BOX CULVERT END SECTION, CULVERT NO. 5  (EACH)	BOX CULVERT END SECTION, CULVERT NO. 6  (EACH)	BOX CULVERT END SECTION, CULVERT NO. 7  (EACH)	BOX CULVERT END SECTION, CULVERT NO. 8  (EACH)	BOX CULVERT END SECTION, CULVERT NO. 9  (EACH)	BOX CULVERT END SECTION, CULVERT NO. 10  (EACH)
	2'X2' (FT.)	2'X2' (M273) (FT.)	2'X3' (FT.)	3'X3' (FT.)	DESIGN FILL HEIGHT	AASHTO DESIGNATION										
CULVERT 1 - 126+95.13			34		3	M259	2									
CULVERT 2 - 144+44.94			35		2	M259		2								
CULVERT 3 - 146+86	24.0				2	M259			2							
CULVERT 4 - 153+44		24.0			<2	M273				2						
CULVERT 5 - 156+04.40		26.0			<2	M273					2					
CULVERT 6 - 158+38.31	24.0				3	M259						2				
CULVERT 7 - 162+39.59		24.0			<2	M273							2			
CULVERT 8 - 205+62.62 LT. TO 206+73.11 RT.				66	14.5	M259								2		
CULVERT 9 - 214+41.35		24.0			<2	M273									2	
CULVERT 10 - 217+16.61	30.0				3	M259										2
<b>TOTALS =</b>	<b>78.0</b>	<b>98.0</b>	<b>69</b>	<b>66</b>			<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>

STATION - SIZE	CONCRETE COLLARS		
	CONCRETE COLLAR (CU YD)	EXPANSION BOLTS 3/4" (EACH)	REINFORCEMENT BARS (LBS)
76+97.03 Rt. - 36" Pipe	1.4	7	62
126+95.13 - 2'x3' Box	0.64	16	46
144+44.94 - 2'x3' Box	0.64	16	46
146+86.00 - 2'x2' Box	0.54	16	40
149+80.10 - 30" Pipe	0.74	16	40
153+44.00 - 2'x2' Box	0.54	16	40
156+04.40 - 2'x2' Box	0.54	16	40
158+38.31 - 2'x2' Box	0.54	16	40
162+39.59 - 2'x2' Box	0.54	16	40
205+62.62 Lt., 206+73.11 Rt. - 3'x3' Box	4.00	24	78
214+41.35 - 2'x2' Box	0.54	16	40
217+16.61 - 2'x2' Box	0.54	16	40
<b>TOTAL</b>	<b>11.2</b>	<b>191</b>	<b>552</b>



DURATION	ENGINEERS FIELD LABORATORY	ENGINEERS FIELD OFFICE, TYPE A
	CAL. MO.	CAL. MO.
MARCH 2011-NOVEMBER 2011	9	9
<b>TOTAL</b>	<b>9</b>	<b>9</b>

CONSTRUCTION LAYOUT	
LOCATION	L. SUM
ENTIRE JOBSITE	1
<b>TOTAL</b>	<b>1</b>

MOBILIZATION	
LOCATION	L. SUM
JOBSITE	1
<b>TOTAL</b>	<b>1</b>

MOWING	
LOCATION	UNTIS
STA. 24+00 TO 228+44.92	410

CHANGEABLE MESSAGE SIGN	
LOCATION	CAL MO
JOBSITE	2

PERMANENT SURVEY MARKERS		
US 24 CENRTERLINE STATION	DESCRIPTION	MARKERS, TYPE 1
30+00	P.O.T.	1
40+00	P.O.T.	1
50+00	P.O.T.	1
55+19.76	P.C.	1
61+40.99	P.T.	1
70+00	P.O.T.	1
80+00	P.O.T.	1
90+00	P.O.T.	1
100+00	P.O.T.	1
110+00	P.O.T.	1
114+08.80	P.C.	1
124+60.96	P.T.	1
130+00	P.O.T.	1
140+00	P.O.T.	1
150+00	P.O.T.	1
160+00	P.O.T.	1
171+23.69	P.C. & STA. EQ	1
178+24.37	P.T.	1
190+00	P.O.T.	1
200+00	P.O.T.	1
210+00	P.O.T.	1
220+00	P.O.T.	1
<b>TOTAL</b>		<b>22</b>

FURNISHING AND ERECTING RIGHT OF WAY MARKERS								
LEFT					RIGHT			
LOCATION	EACH	LOCATION	EACH	LOCATION	EACH	LOCATION	EACH	
24+00	70' LT	1	159+75	40' LT	1	39+50	50' RT	1
24+44.03	70' LT	1	161+50	40' LT	1	40+50	65' RT	1
24+41.49	50' LT	1	162+00	50' LT	1	41+50	65' RT	1
25+41.49	50' LT	1	170+39	50' LT	1	42+00	50' RT	1
25+41.90	53.24' LT	1	170+81.09	50' LT	1	48+50	50' RT	1
25+50	50' LT	1	171+23.69	50' LT	1	49+00	60' RT	1
39+00	50' LT	1	171+50	50' LT	1	51+00	60' RT	1
40+50	65' LT	1	172+00	40' LT	1	51+50	50' RT	1
41+50	65' LT	1	178+24.37	40' LT	1	55+19.76	50' RT	1
42+00	50' LT	1	183+00	40' LT	1	61+40.99	50' RT	1
50+73	50' LT	1	184+00	50' LT	1	64+61.60	50' RT	1
50+73	40' LT	1	190+00	50' LT	1	64+81	80' RT	1
51+90	40' LT	1	191+00	60' LT	1	65+38	80' RT	1
51+90	50' LT	1	196+00	60' LT	1	65+84.40	50' RT	1
55+19.76	50' LT	1	197+00	50' LT	1	77+76.63	90' RT	1
57+83.70	50' LT	1	201+03.11	50' LT	1	79+00	60' RT	1
58+24.60	80' LT	1	201+75.38	70' LT	1	82+00	50' RT	1
58+78.50	80' LT	1	202+00	50' LT	1	90+00	50' RT	1
59+00.90	50' LT	1	204+00	50' LT	1	98+09	50' RT	1
61+40.99	50' LT	1	205+25	90' LT	1	99+70.60	89.40' RT	1
64+00	50' LT	1	206+25	90' LT	1	100+25.11	114.48' RT	1
64+00	45' LT	1	207+00	55' LT	1	101+00	50' RT	1
65+00	45' LT	1	213+00	55' LT	1	114+08.80	50' RT	1
65+00	50' LT	1	214+00	60' LT	1	124+60.96	50' RT	1
67+00	50' LT	1	217+50	60' LT	1	126+00	50' RT	1
73+00	85' LT	1	218+00	50' LT	1	126+50	65' RT	1
75+23.28	100' LT	1	227+01.73	50' LT	1	127+50	65' RT	1
76+81.37	90' LT	1				128+00	50' RT	1
78+00	90' LT	1				148+25	50' RT	1
80+00	60' LT	1				149+25	75' RT	1
83+00	50' LT	1				150+25	75' RT	1
90+00	50' LT	1				151+25	50' RT	1
100+20	50' LT	1				157+25	50' RT	1
100+66	80' LT	1				157+75	70' RT	1
101+16.55	70' LT	1				158+75	70' RT	1
101+35	50' LT	1				159+25	50' RT	1
109+00	50' LT	1				168+00	50' RT	1
109+50	70' LT	1				169+00	40' RT	1
111+00	70' LT	1				171+23.69	40' RT	1
111+50	50' LT	1				174+00	40' RT	1
114+08.80	50' LT	1				175+00	50' RT	1
124+60.96	50' LT	1				178+24.37	50' RT	1
126+00	50' LT	1				184+97.62	50' RT	1
126+20	80' LT	1				185+45.41	50' RT	1
127+80	80' LT	1				200+00	50' RT	1
128+00	50' LT	1				200+00	125.18' RT	1
130+00	50' LT	1				200+55	60' RT	1
130+50	45' LT	1				201+04.95	60' RT	1
134+00	45' LT	1				201+11.23	50' RT	1
135+00	50' LT	1				205+25	50' RT	1
142+60	50' LT	1				206+50	90' RT	1
145+00	80' LT	1				207+50	90' RT	1
146+00	50' LT	1				209+00	50' RT	1
148+25	50' LT	1				213+00	50' RT	1
149+25	85' LT	1				218+00	75' RT	1
151+00	85' LT	1				219+00	55' RT	1
151+75	50' LT	1				220+50	50' RT	1
157+25	50' LT	1				223+91.46	50' RT	1
157+75	70' LT	1				224+39.05	50' RT	1
159+00	70' LT	1				227+08.72	50' RT	1
<b>SUBTOTAL LEFT</b>					<b>87</b>	<b>SUBTOTAL RIGHT</b>		<b>60</b>
<b>TOTAL</b>								<b>147</b>

SHORT TERM PAVEMENT MARKING	
LOCATION	FOOT
STA. 23+85 TO 228+44.92	
MILLED SURFACE	2046
PRIMED SURFACE	2046
LEVEL BINDER	2046
PRIMED SURFACE	2046
SURFACE	2046
<b>TOTAL</b>	<b>10230</b>

TRAFFIC CONTROL AND PROTECTION, STANDARD 701206	
LOCATION	L. SUM
JOBSITE	1
<b>TOTAL</b>	<b>1</b>

TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	
LOCATION	L. SUM
JOBSITE	1
<b>TOTAL</b>	<b>1</b>

EPOXY PAVEMENT MARKING - LINE 4"			
STATION TO STATION	YELLOW SKIP- DASH 4"	YELLOW SOLID 4"	WHITE SOLID 4"
	(FT)	(FT)	(FT)
STA. 23+85 - 228+44.92 LT & RT	6902	7586	42337
<b>TOTAL</b>	<b>56825</b>		

TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	
LOCATION	L. SUM
JOBSITE	1
<b>TOTAL</b>	<b>1</b>

TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	
LOCATION	L. SUM
JOBSITE	1
<b>TOTAL</b>	<b>1</b>

RAISED REFLECTIVE PAVEMENT MARKER	
LOCATION	EACH
STA. 23+85 TO 228+44.92	257

TRAFFIC CONTROL SURVEILLANCE	
LOCATION	CAL DAY
JOBSITE	4
<b>TOTAL</b>	<b>4</b>

**STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)**

LOCATION	REMARKS	SQ. FT.
STA. 144+42 LT.	1 @ 1.5' x 6.5'	12.8
	1 @ 1.5' x 2.0'	
STA. 144+42 RT.	2 @ 2.5' x 2.0'	10.0
STA. 146+88 RT.	1 @ 1.5' x 2.5'	3.8
STA. 153+42 RT.	1 @ 2.0' x 5.5'	11.0
STA. 158+36 RT.	3 @ 2.5' x 2.0'	15.0
STA. 162+38 RT.	1 @ 1.5' x 2.0'	3.0
STA. 206+21 LT.	1 @ 1.5' x 6.5'	12.1
	1 @ 1.5' x 1.5'	
STA. 217+15 LT.	3 @ 1.5' x 1.5'	6.9
<b>TOTAL</b>		<b>75</b>

NOTE: THE PATCHES ARE INSIDE THE EXISTING CONCRETE BOX CULVERTS AND ARE PRIMARILY AT THE ENDS OF THE CULVERTS. THE ENGINEER SHALL DETERMINE THE FINAL LOCATIONS AND SIZES OF THE PATCHES.

**FILLING EXISTING CISTERNS**

LOCATION	CU. YD.
US 24 STA 159+30 LT	2
<b>TOTAL</b>	<b>2</b>

**SEALING ABANDONED WATER WELLS**

LOCATION	EACH
US 24 STA 129+40 RT	1
<b>TOTAL</b>	<b>1</b>

STATION - SIZE*	LENGTH*	CULVERTS TO BE CLEANED (EACH)	FILLING EXISTING CULVERTS (EACH)	NOTES (FOR INFORMATION ONLY)
	(FEET)			
24+42 - 2'X2' BOX	51		1	
59+07 - 18" CMP	45		1	
100+75 - 2'X2' BOX & 30" CMP EXTENSION	107		1	
146+88 - 2'X2' BOX	32	1		LEFT END PARTIALLY FILLED
153+42 - 2'X2' BOX	32	1		APPROXIMATELY 1.5' OF SEDIMENT DEPTH AT DOWNSTREAM END
156+02 - 2'X2' BOX	32	1		LEFT DOWNSTREAM END SECTION ALMOST COMPLETELY FILLED
162+38 - 2'X2' BOX	32	1		
200+88 - 2'X2' BOX	61		1	2'X2' BOX WITH 24" CMP EXTENSIONS
206+21 - 3'X3' BOX	92	1		APPROXIMATELY 1.3' OF SEDIMENT DEPTH AT DOWNSTREAM END
214+41 - 2'X2' BOX	32	1		HALF FULL AT DOWNSTREAM END
<b>TOTALS</b>		<b>6</b>	<b>4</b>	

\*APPROXIMATE SIZE AND LENGTH PROVIDED FOR INFORMATION ONLY.

FILE NAME = miscellaneous\_sheet.dgn

USER NAME = russellm

DESIGNED -

REVISED -

DRAWN -

REVISED -

PLOT SCALE = 100.0000' / IN.

CHECKED -

REVISED -

PLOT DATE = 8/11/2010

DATE -

REVISED -

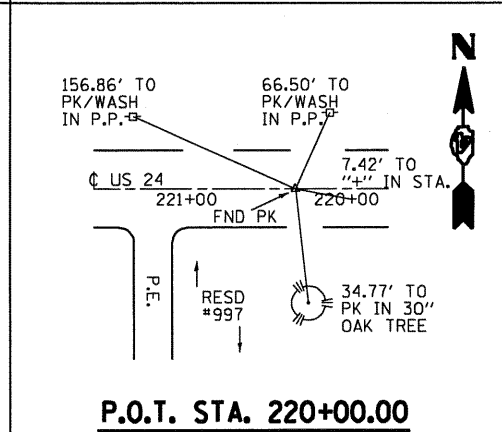
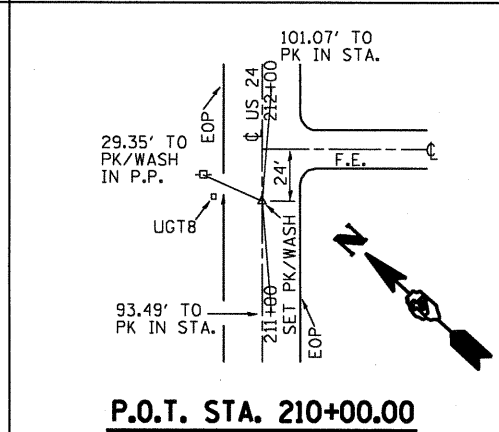
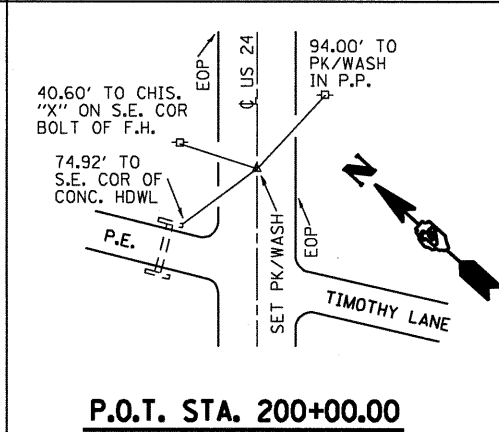
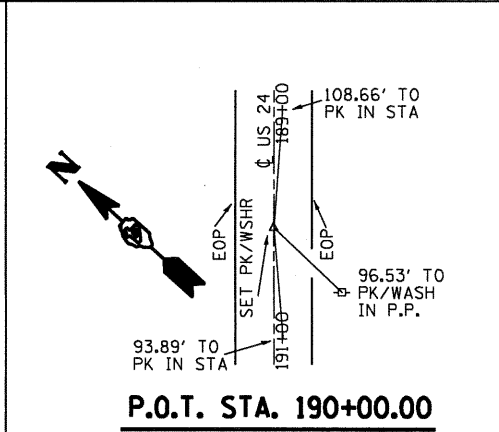
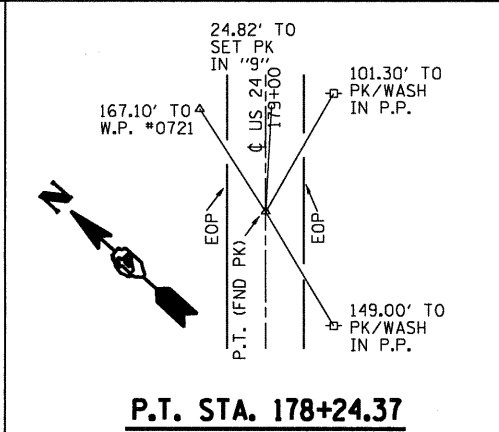
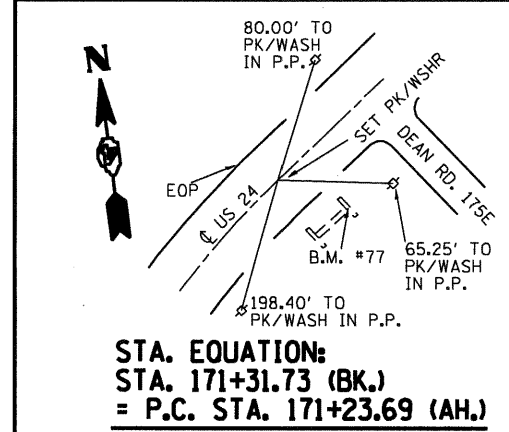
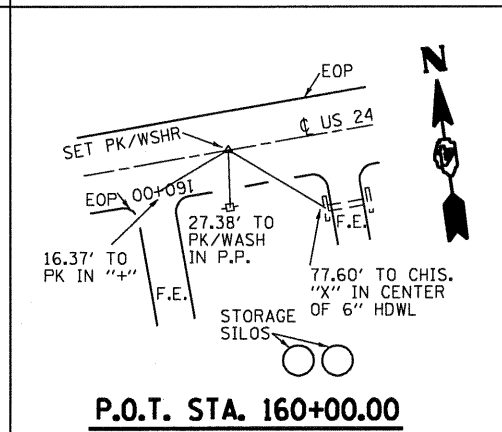
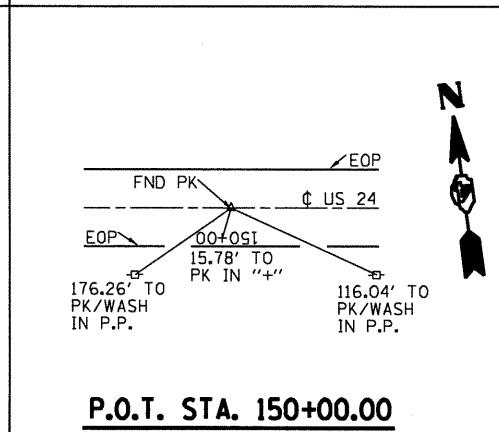
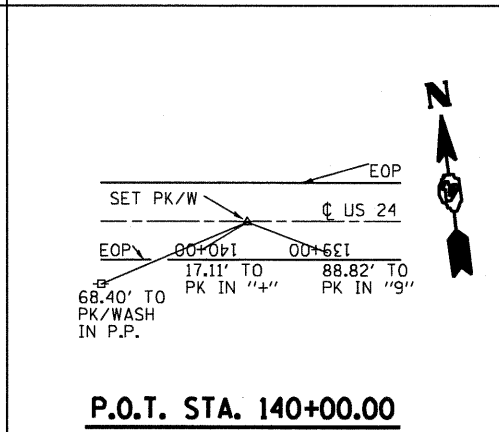
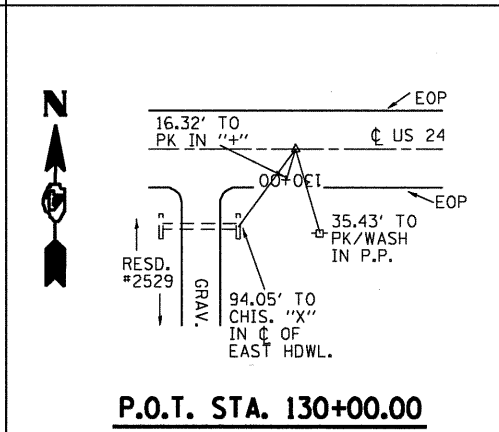
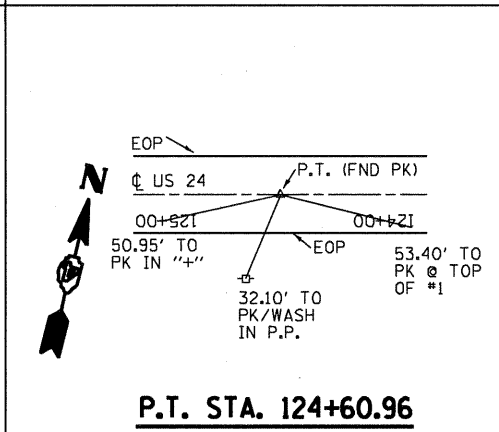
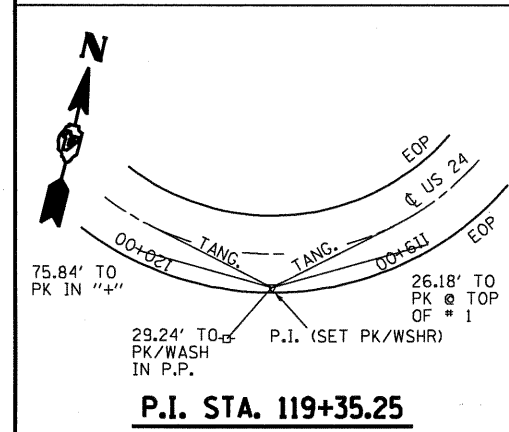
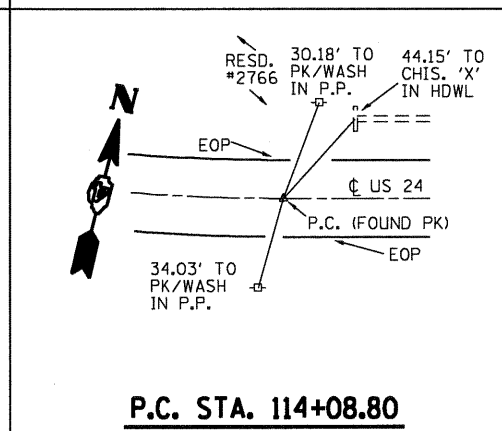
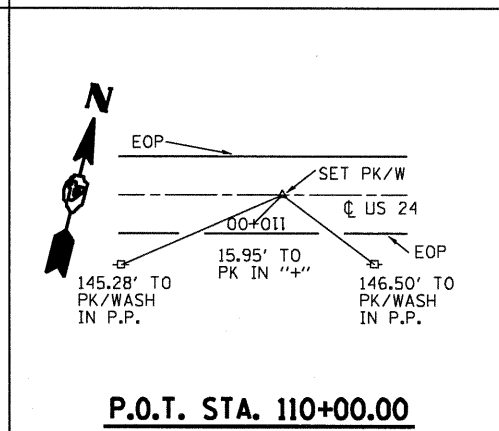
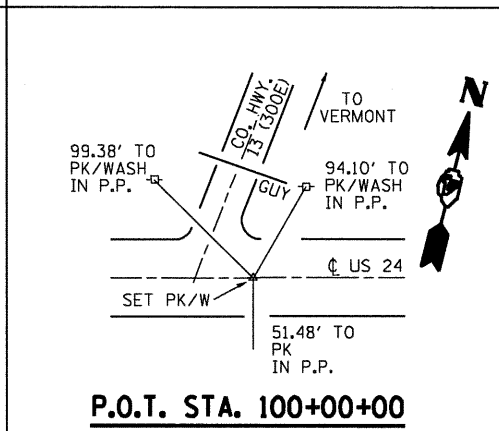
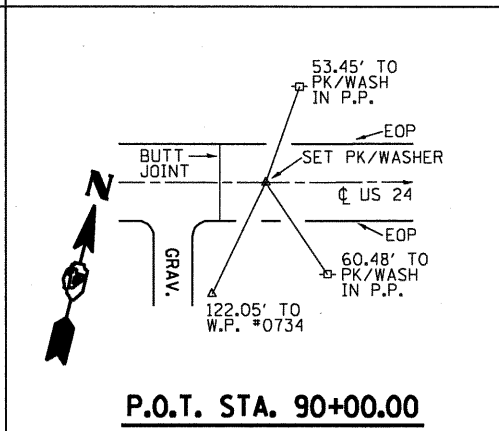
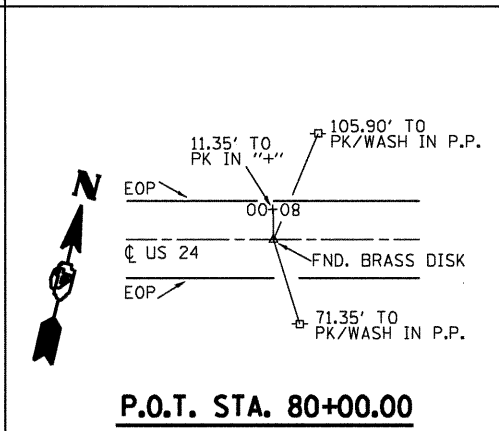
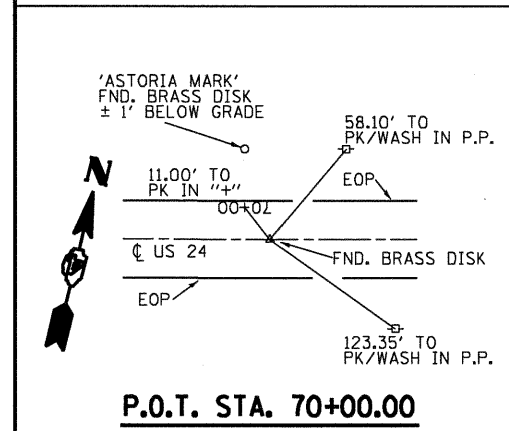
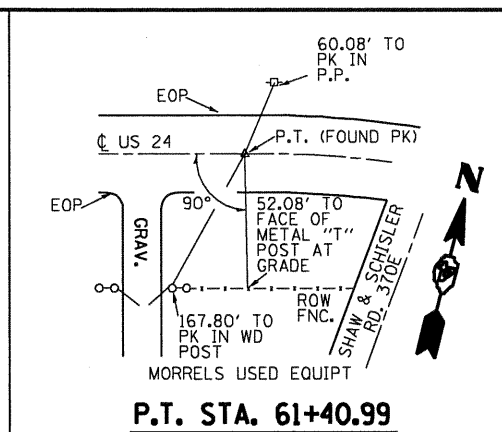
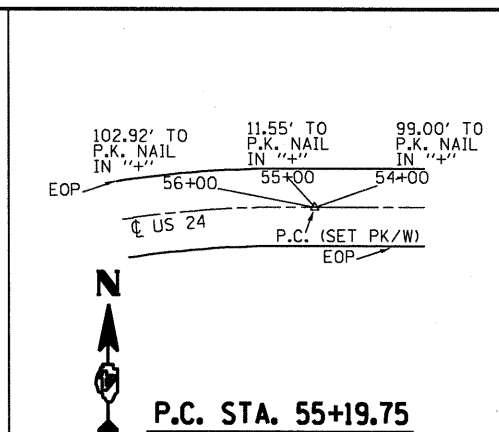
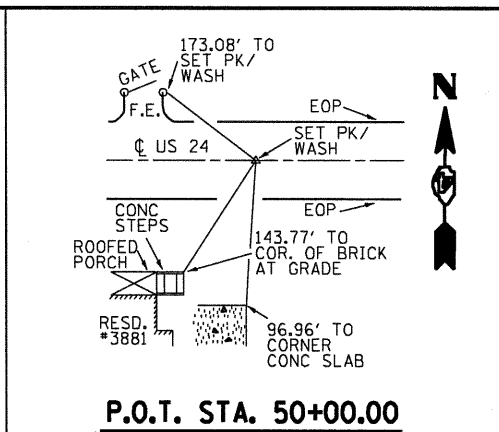
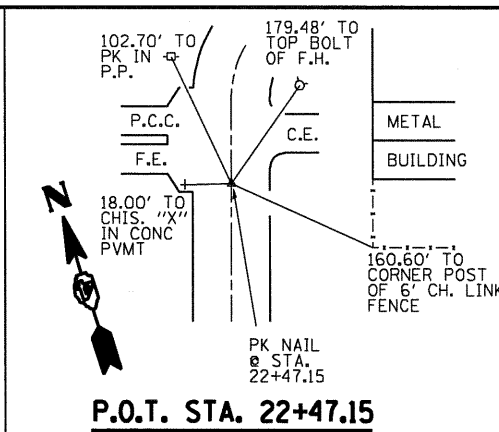
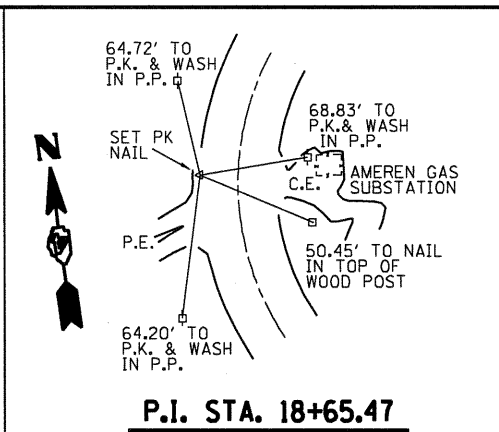
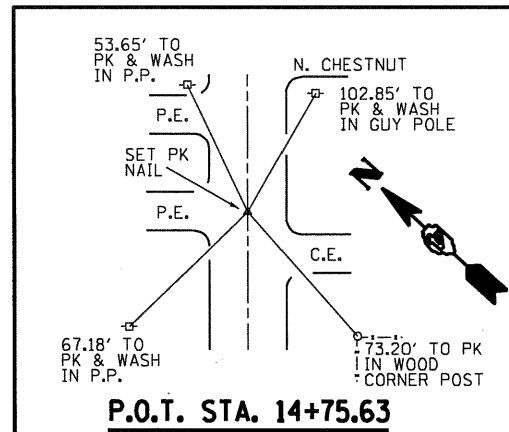
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

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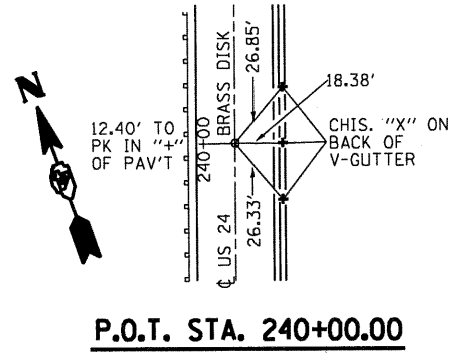
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317	15W-2,RS-3+16W-3,RS-5	FULTON	177	32
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			<b>CONTRACT NO. 88098</b>	





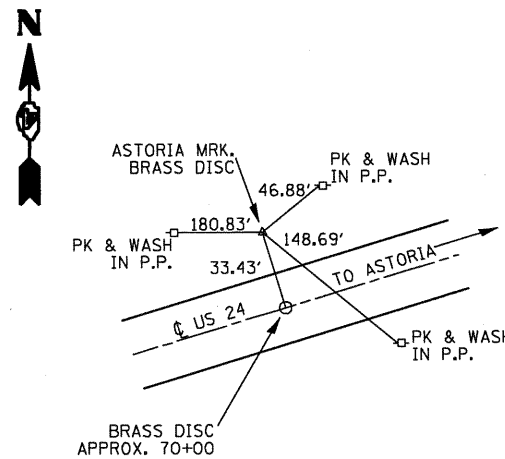
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	PLOT DATE = 8/5/2010	CHECKED - K.JH	REVISED -									
		DATE -	REVISED -									

# BENCHMARKS



ELEVATION	NAME	DESCRIPTION
692.899	ASTORIA B.M.-	EXISTING BM DISK SET IN CONC. APPROX. 70+00 RT. (SEE SKETCH OF RECOVERY TIES BELOW)
682.658	T.B.M. #50-	SET CHIS. "□" ON TOP OF CONC. FOUNDATION, OF S.E. CHAIN LINK FENCE CORNER POST AROUND NATURAL GAS REG. STATION, S. SIDE OF US RT. 24, 54.5 FT.+/- S. OF PAVEMENT CENTERLINE, AT STA. 43+34+/-
686.289	T.B.M. #51-	SET CHIS. "□" ON TOP OF CONC. FOUNDATION, OF S.W. CHAIN LINK FENCE CORNER POST AROUND NATURAL GAS REG. STATION, S. SIDE OF (BROADWAY) US RT. 24, 70.5'+/- S. OF PAVEMENT CENTERLINE AT STA. 18+31+/-
679.009	B.M. #76-	CHIS. "X" ON SOUTH CAP BOLT OF FIRE HYDRANT IN S.W. QUAD OF U.S. 24 & 300E (OAK GROVE ROAD)
658.204	B.M. #77-	CHIS. "□" IN CENTER OF EAST HEADWALL FOR F.E. S. SIDE OF U.S. 24 W. SIDE OF 175E (DEAN RD.)
653.124	B.M. #78-	CHIS. "X" ON SOUTH CAP BOLT OF FIRE HYDRANT N. SIDE OF U.S. 24 E. OF TIMOTHY LN. (125E) ACROSS FROM STA. 200+00+/-
652.249	B.M. #79-	CHIS. "□" ON S.W. PARAPET WALL OF BRIDGE (S.N. 029-0007) OVER R.R. TRACKS @ U.S. 24 & TAYLOR LN. (080 E)

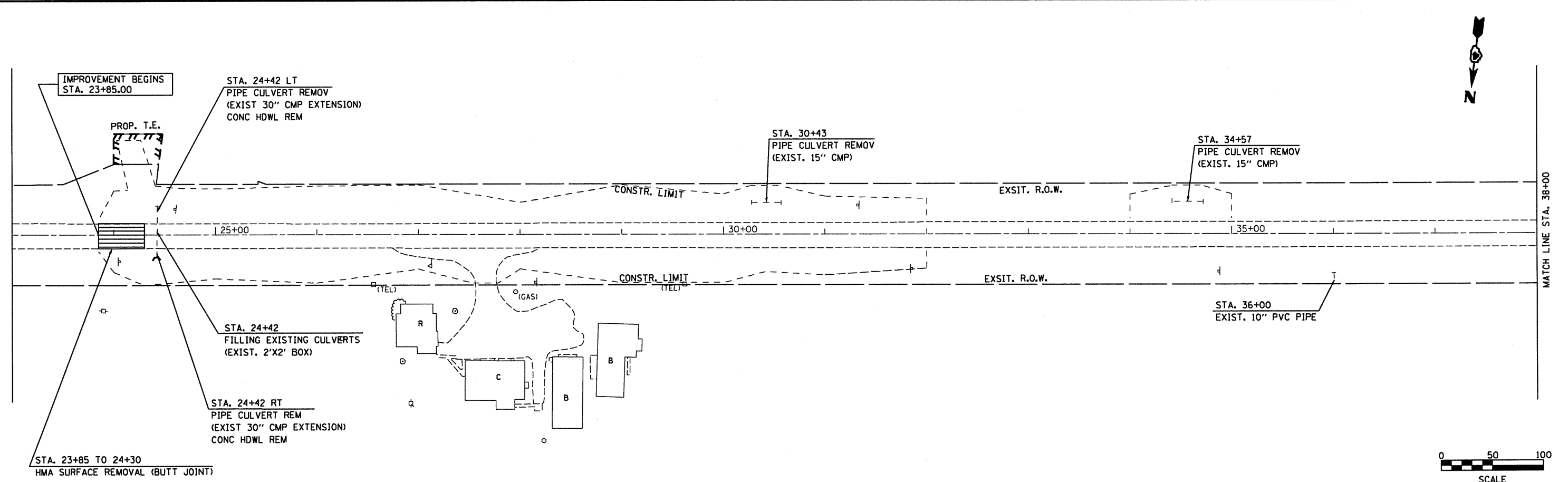
# TIES TO ASTORIA MRK



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LEGEND

	HMA SURF REM - BUTT JOINT
	PAVEMENT REMOVAL
	DRIVEWAY PAVEMENT REMOVAL
	TREE REMOVAL, ACRES



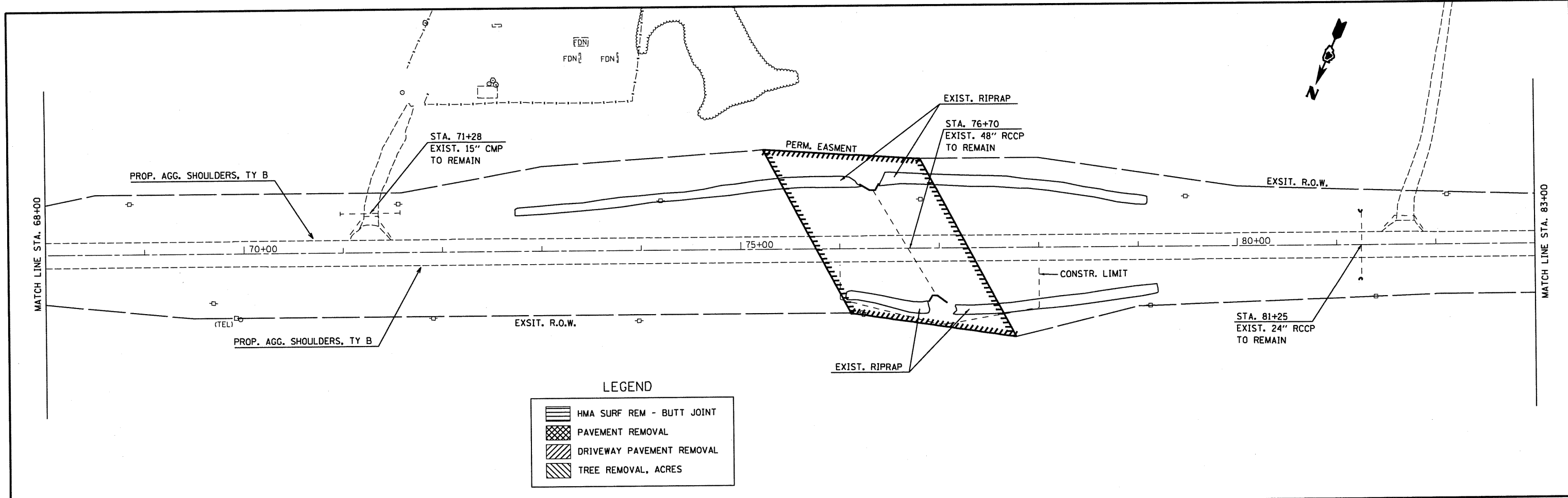
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>EXISTING AND REMOVAL</b>	
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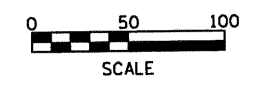
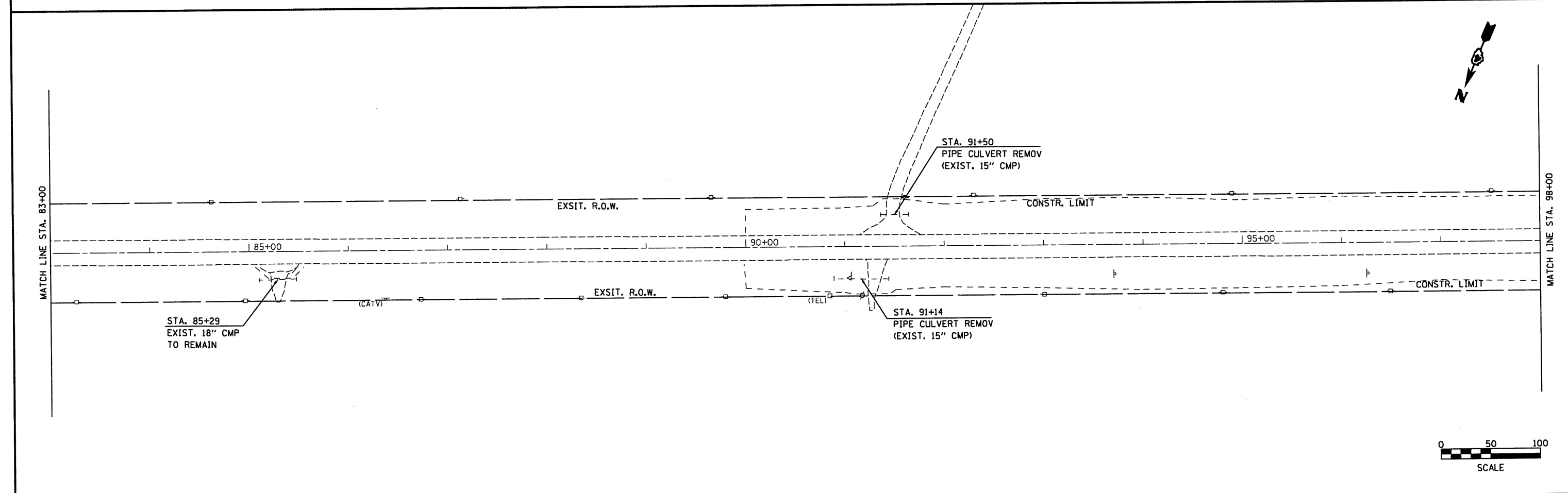
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	15W-2,RS-3;16W-3,RS-5	FULTON	171	35
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 88098	





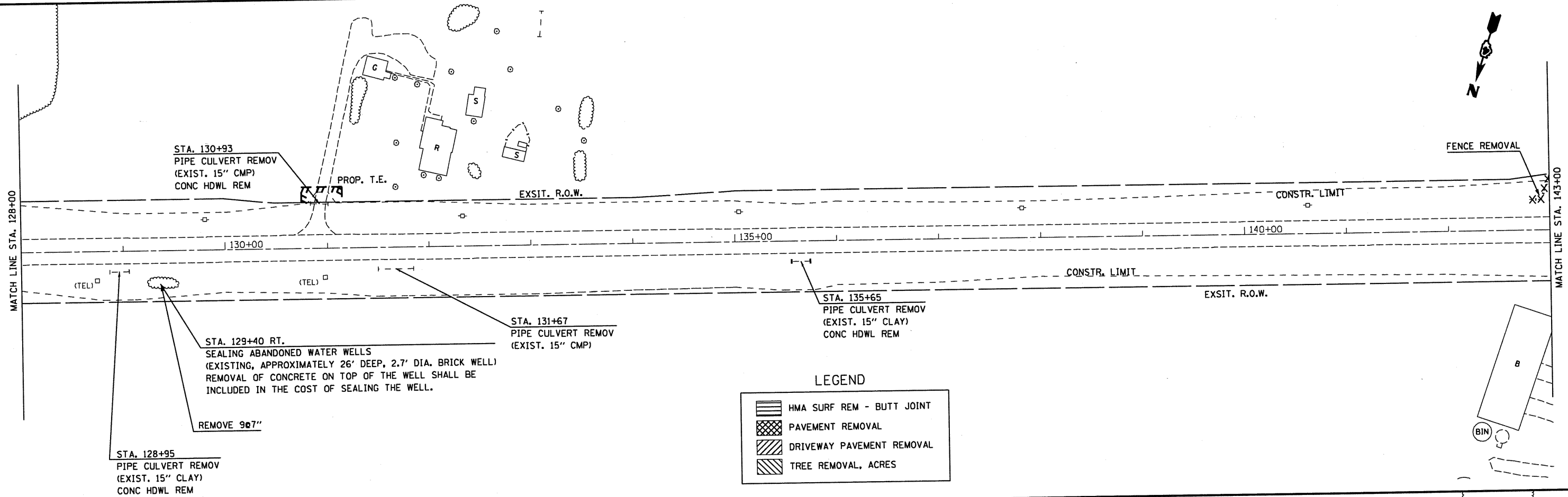
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	HMA SURF REM - BUTT JOINT
	PAVEMENT REMOVAL
	DRIVEWAY PAVEMENT REMOVAL
	TREE REMOVAL, ACRES



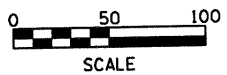
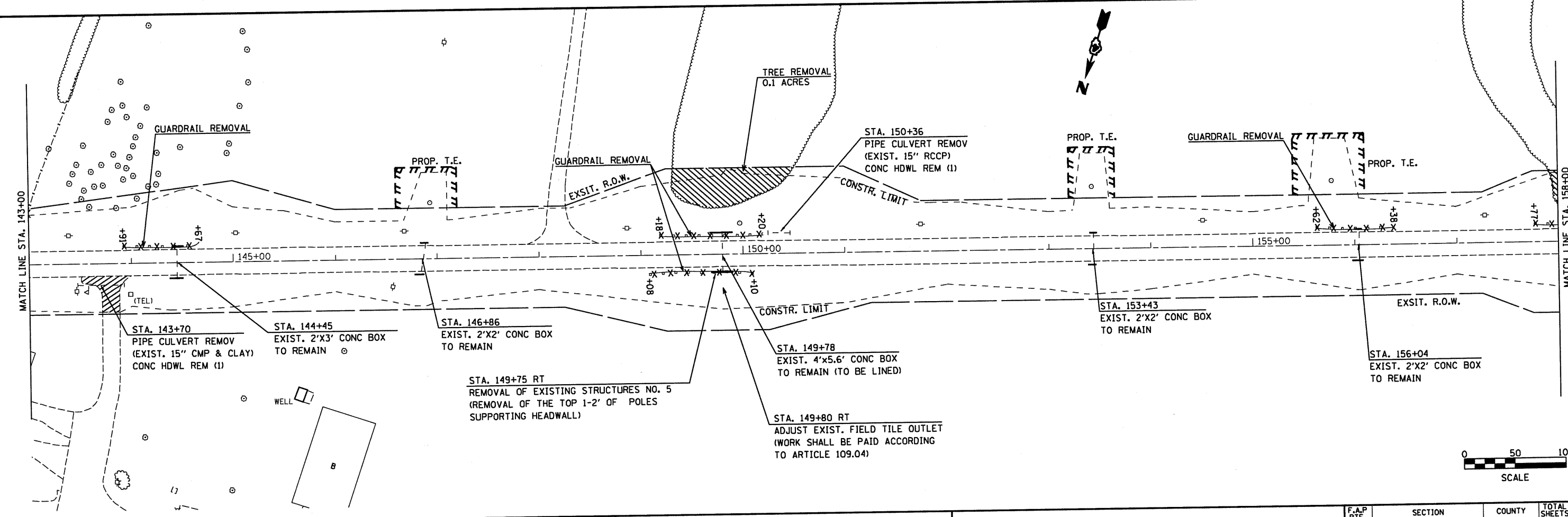
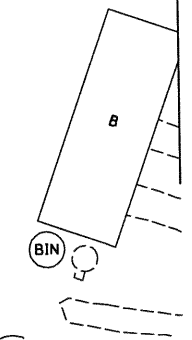
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PLOT DATE = 8/9/2010		DATE -	REVISED -				FED. ROAD DIST. NO.      ILLINOIS FED. AID PROJECT				





**LEGEND**

- HMA SURF REM - BUTT JOINT
- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- TREE REMOVAL, ACRES



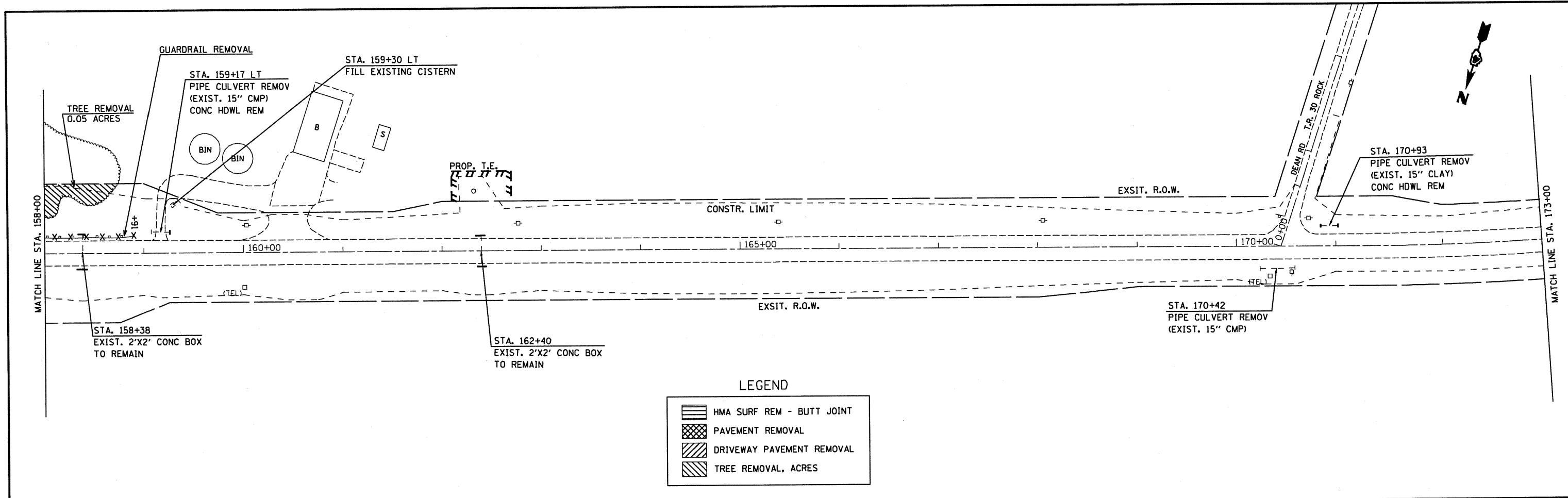
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PLOT DATE = 8/9/2010			

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING AND REMOVAL**

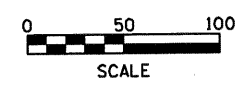
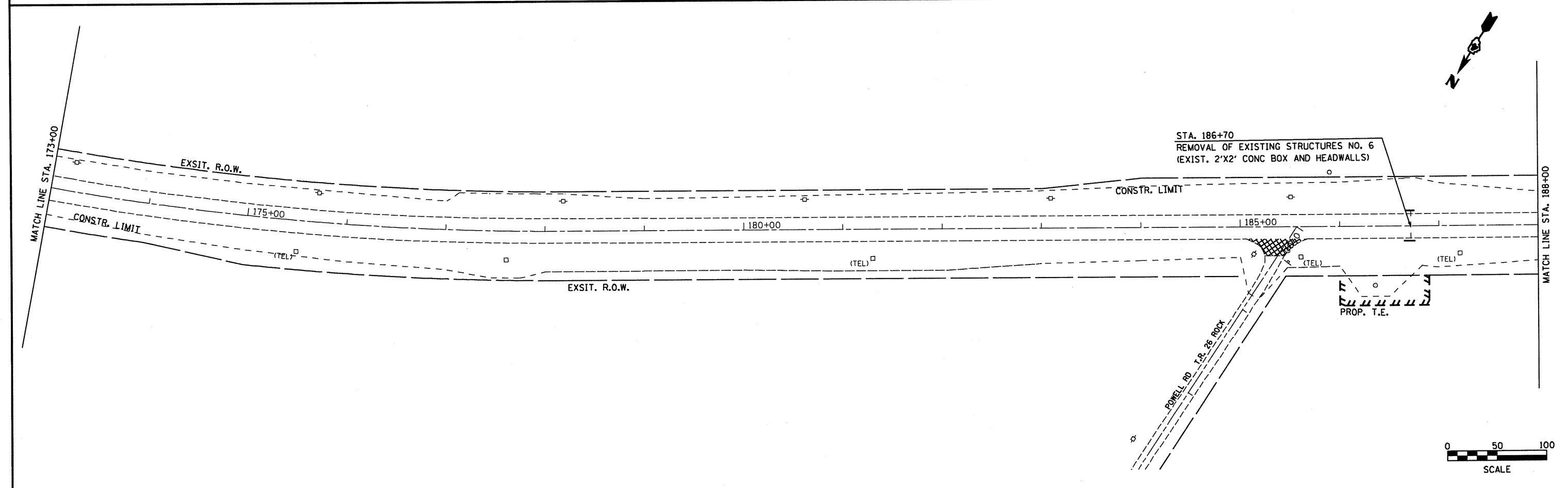
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 88098				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



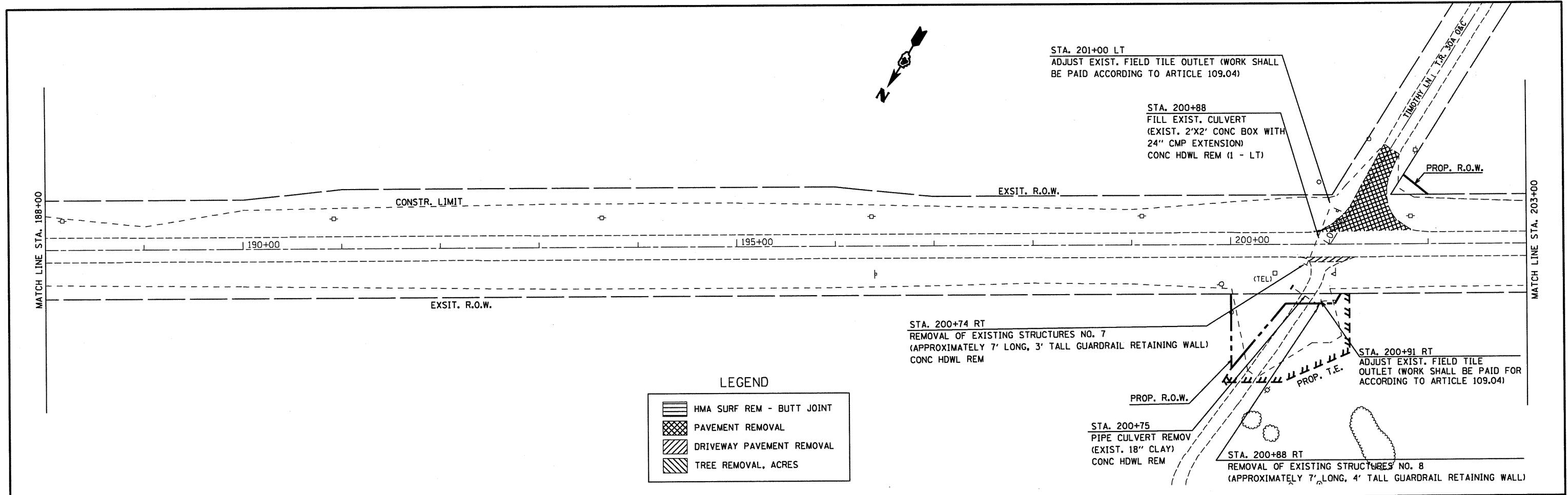
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	HMA SURF REM - BUTT JOINT
	PAVEMENT REMOVAL
	DRIVEWAY PAVEMENT REMOVAL
	TREE REMOVAL, ACRES



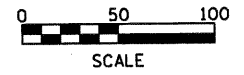
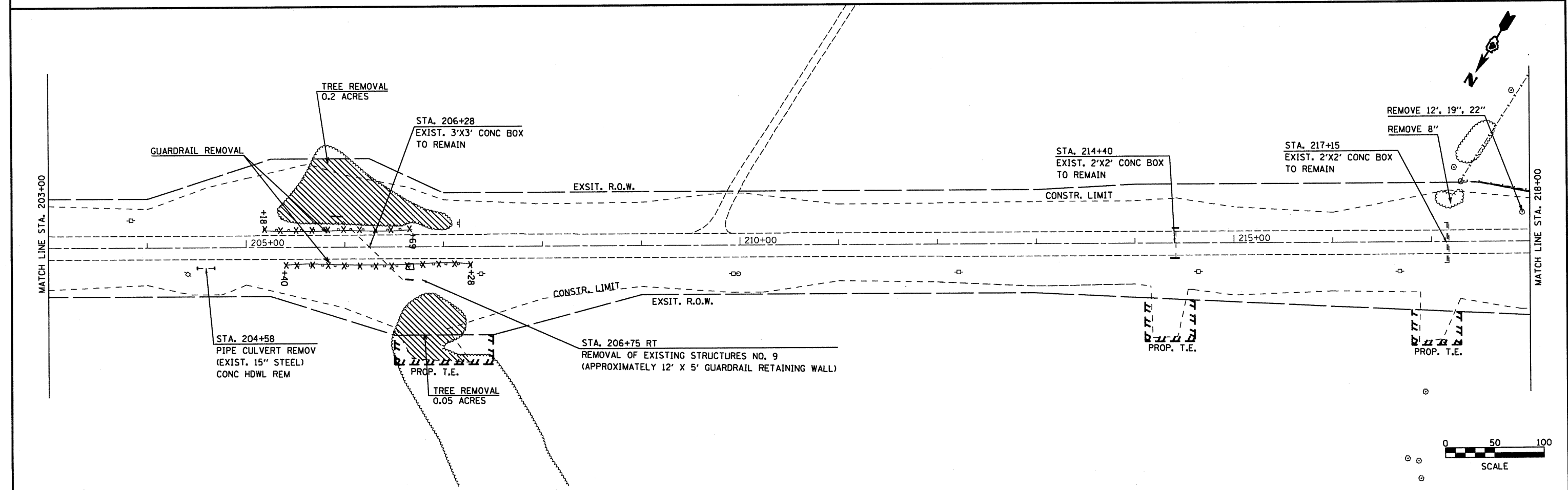
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PLOT DATE = 8/9/2010		DATE -	REVISED -		<b>CONTRACT NO. 88098</b>							



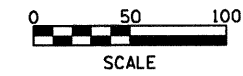
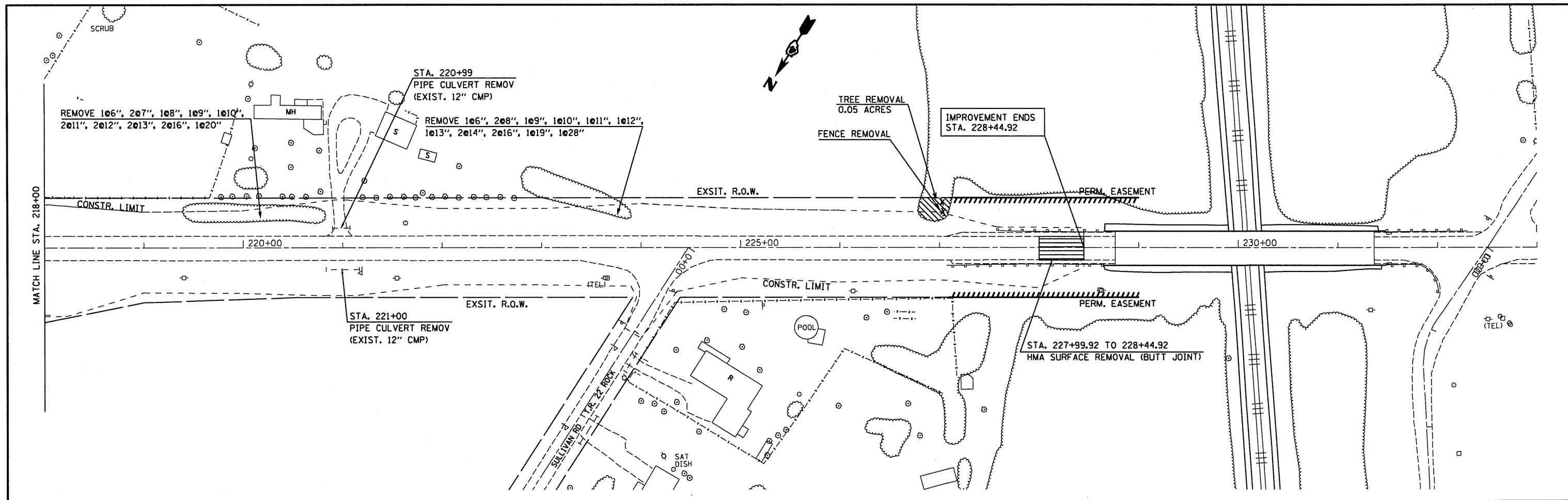


**LEGEND**

	HMA SURF REM - BUTT JOINT
	PAVEMENT REMOVAL
	DRIVEWAY PAVEMENT REMOVAL
	TREE REMOVAL, ACRES



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PLOT DATE = 8/9/2010		DATE -	REVISED -											
													CONTRACT NO. 88098	



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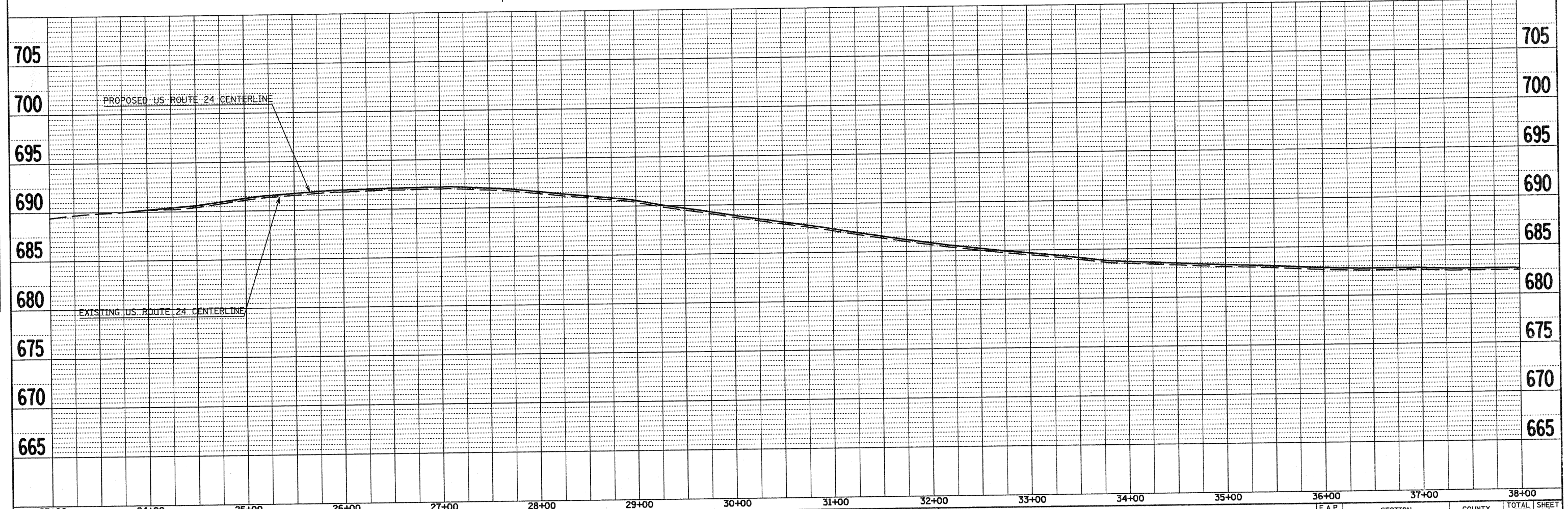
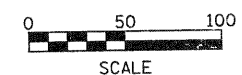
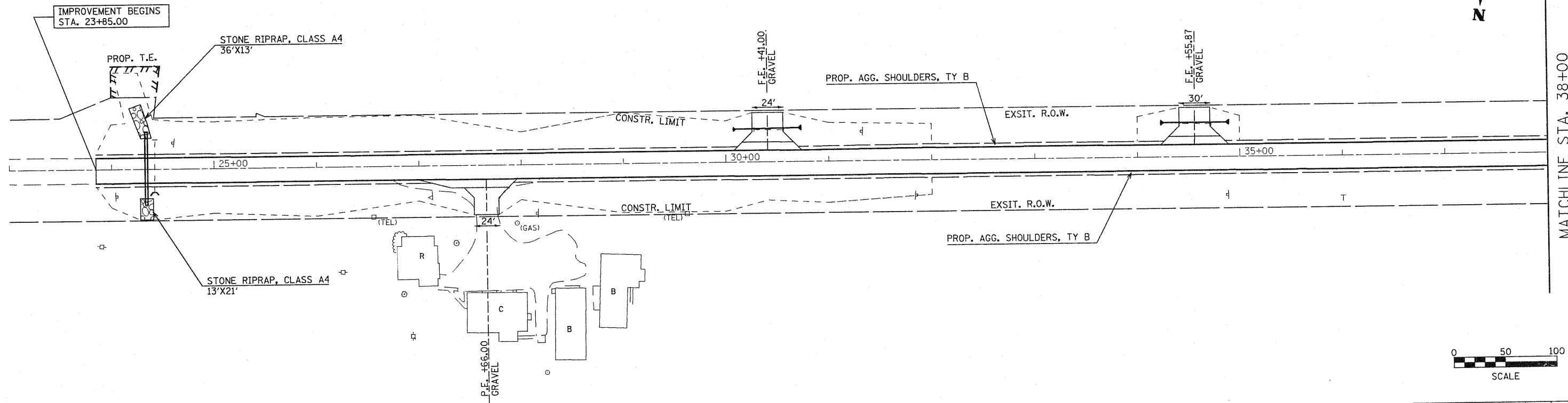
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>EXISTING AND REMOVAL</b>	
SCALE:	SHEET NO. 8 OF 8 SHEETS STA. TO STA.

F.A.P. RTE. 317	SECTION 15W-2,RS-3;16W-3,RS-5	COUNTY FULTON	TOTAL SHEETS 171	SHEET NO. 42
CONTRACT NO. 88098				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLAN	DATE
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	

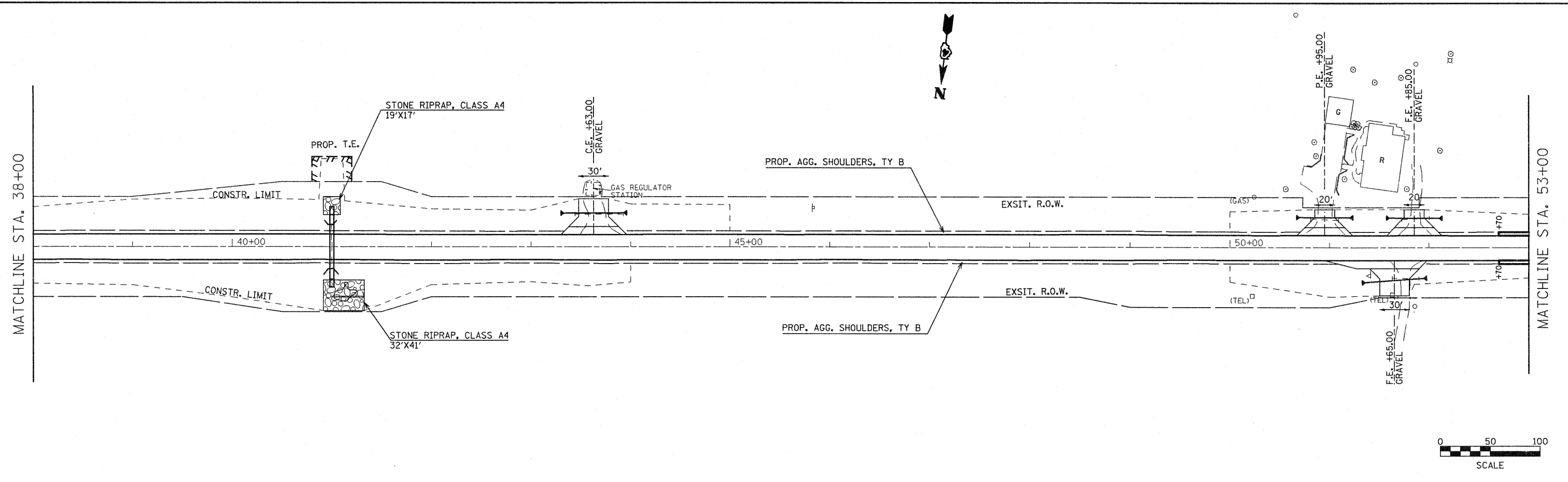
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BY	
DESIGNED	
DRAWN	
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DATE	



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PLDT SCALE = 100.0000' / IN.	CHECKED - KJH	REVISIED -	REVISIED -			CONTRACT NO. 88098				
PLDT DATE = 8/10/2010	DATE -	REVISIED -	REVISIED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
SCALE: SHEET NO. 1 OF 14 SHEETS STA. 23+00 TO STA. 38+00										

DATE	
BY	
SURVEYED	
ALIGNED	
CHECKED	
NOTE BOOK	
NO.	
FILE NAME	

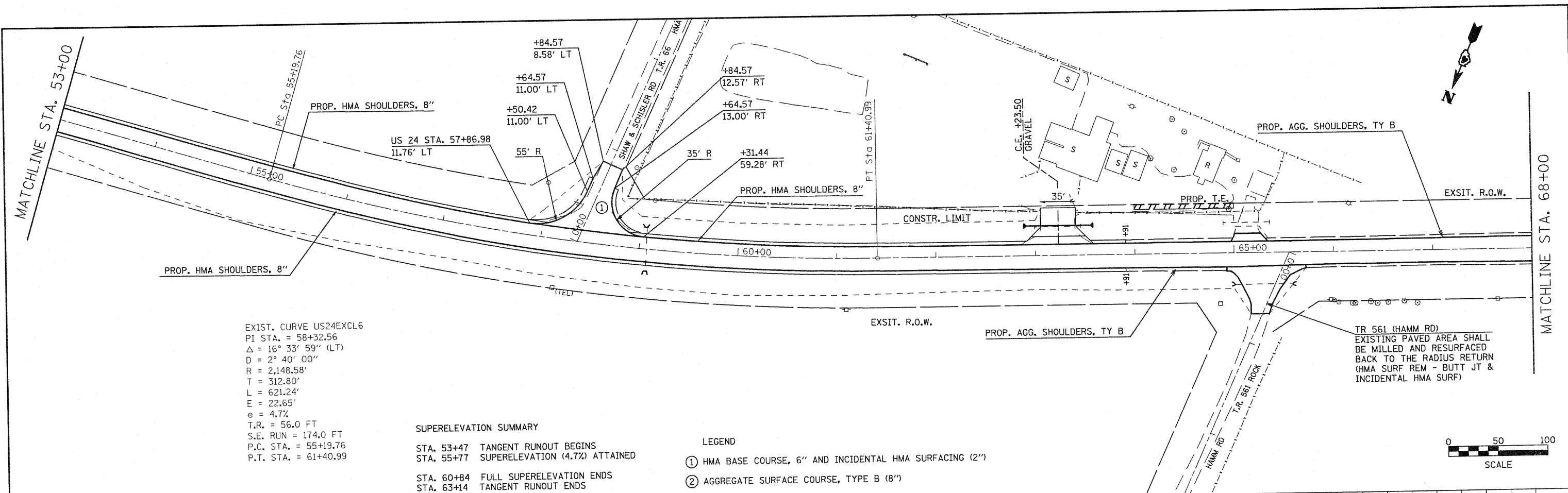
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BY	
SURVEYED	
PROFILES	
CHECKED	
NOTE BOOK	
NO.	
STRUCTURE	
NOTATION	
CHPG	



FILE NAME = plan01.dgn	USER NAME = horathj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN &amp; PROFILE</b>	F.A.P. RTE. 317	SECTION 15W-2,RS-3;16W-3,RS-5	COUNTY FULTON	TOTAL SHEETS 171	SHEET NO. 44
	PLOT SCALE = 100.0000' / IN.	DRAWN - JGJ	REVISED -			SCALE:	SHEET NO. 2 OF 14 SHEETS	CONTRACT NO. 88098		
	PLOT DATE = 8/18/2018	CHECKED - KJH	REVISED -			STA. 38+00	TO STA. 53+00	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		
		DATE -	REVISED -							

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

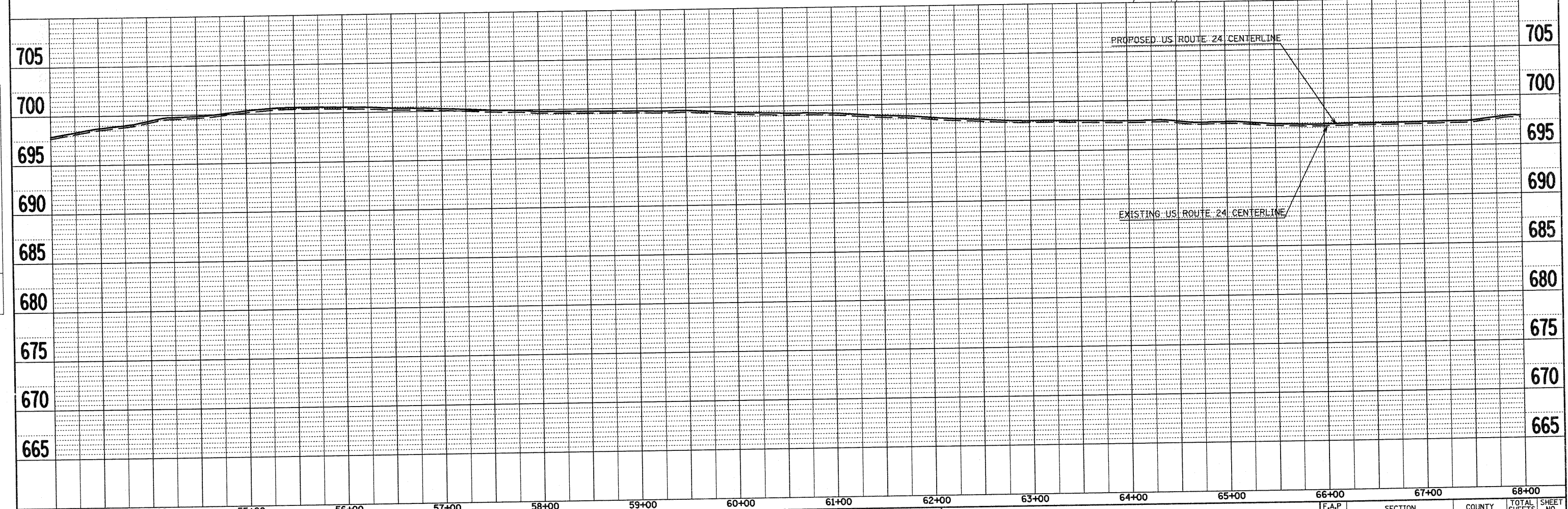
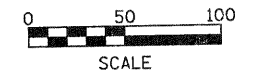
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	
DATE	
BY	
REVISIONS	
NO.	



EXIST. CURVE US24EXCL6  
 PI STA. = 58+32.56  
 $\Delta = 16^\circ 33' 59''$  (LT)  
 $D = 2^\circ 40' 00''$   
 $R = 2,148.58'$   
 $T = 312.80'$   
 $L = 621.24'$   
 $E = 22.65'$   
 $e = 4.7\%$   
 $T.R. = 56.0$  FT  
 $S.E. RUN = 174.0$  FT  
 $P.C. STA. = 55+19.76$   
 $P.T. STA. = 61+40.99$

**SUPERELEVATION SUMMARY**  
 STA. 53+47 TANGENT RUNOUT BEGINS  
 STA. 55+77 SUPERELEVATION (4.7%) ATTAINED  
 STA. 60+84 FULL SUPERELEVATION ENDS  
 STA. 63+14 TANGENT RUNOUT ENDS

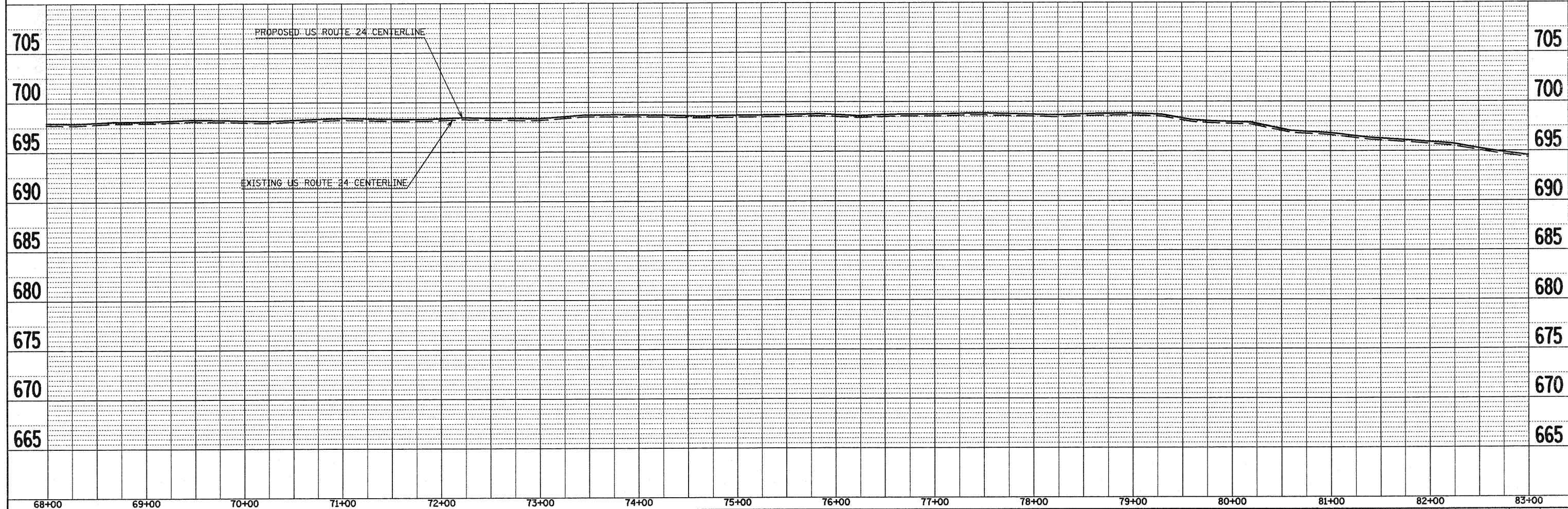
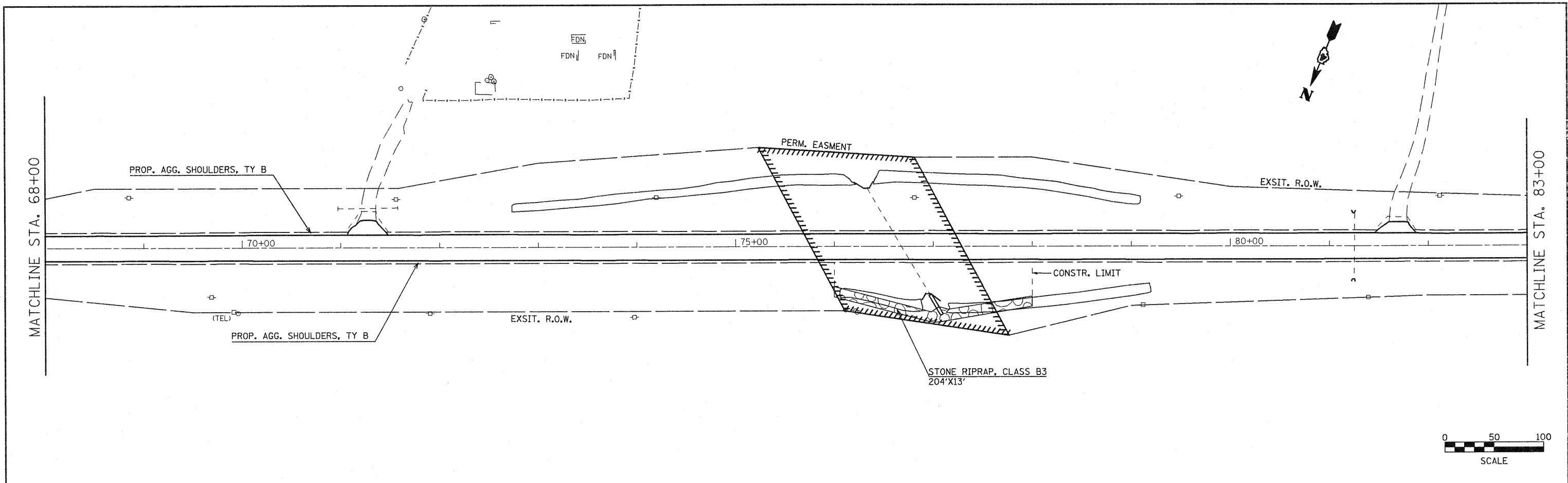
**LEGEND**  
 ① HMA BASE COURSE, 6" AND INCIDENTAL HMA SURFACING (2")  
 ② AGGREGATE SURFACE COURSE, TYPE B (8")



FILE NAME = p1an01.dgn	USER NAME = horstkj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN &amp; PROFILE</b>		F.A.P. RTE. 317	SECTION 15W-2,RS-3;16W-3,RS-5	COUNTY FULTON	TOTAL SHEETS 171	SHEET NO. 45
	FLY SCALE = 100.0000' / IN.	DRAWN - JGJ	REVISED -		SCALE:	SHEET NO. 3 OF 14 SHEETS	STA. 53+00 TO STA. 68+00	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT		CONTRACT NO. 88098	
	PLT DATE = 8/18/2010	CHECKED - KJH	REVISED -								
		DATE -	REVISED -								

PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNED	BY
NO.	CHKD	
	RT. OF WAY	
	CHECKED	
	NO.	
	ADD FILE NAME	

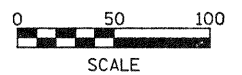
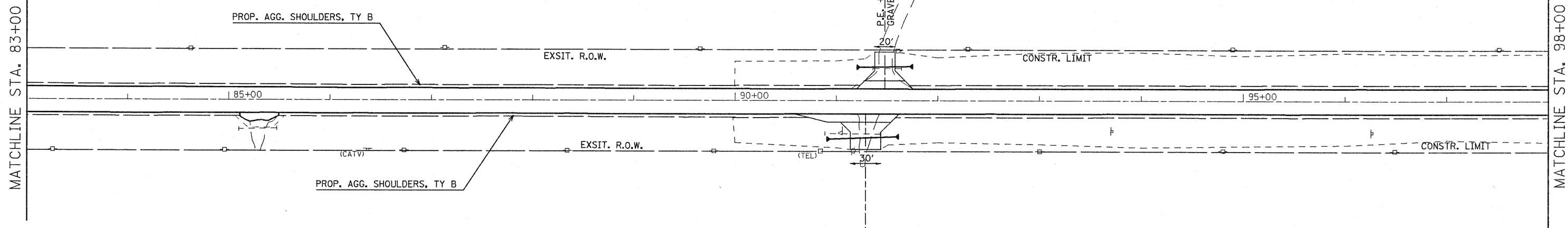
PROFILE	SURVEYED	DATE
NOTE BOOK	CHECKED	BY
NO.	NO.	
	STRUCTURE NOTATION	
	CHYD	



FILE NAME = plan01.dgn	USER NAME = horstkj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN &amp; PROFILE</b>	F.A.P. RTE. 317	SECTION 15W-2,RS-3;16W-3,RS-5	COUNTY FULTON	TOTAL SHEETS 177	SHEET NO. 46	
	PLOT SCALE = 100.0000' / IN.	DRAWN - JGJ	REVISED -			SCALE:	SHEET NO. 4 OF 14 SHEETS	STA. 68+00	TO STA. 83+00	CONTRACT NO. 88098	
	PLOT DATE = 8/18/2010	CHECKED - KJH	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
		DATE -	REVISED -								

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

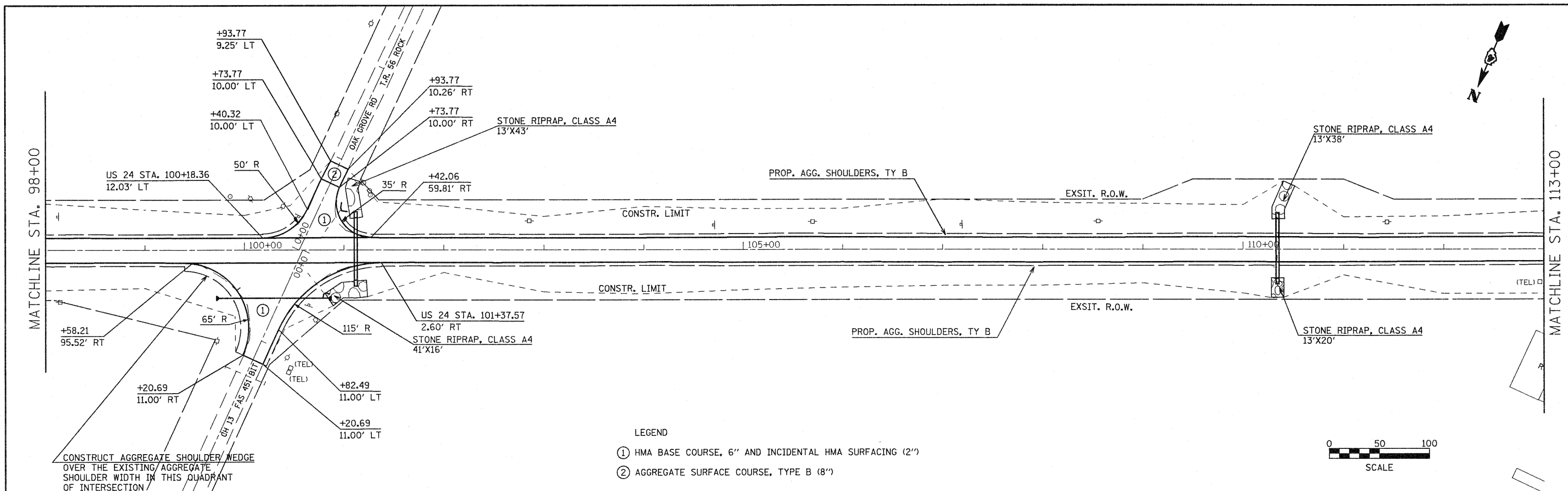
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	PLOTTED	BY
	CHECKED	
	NO. OF WAY CHECKED	
	STRUCTURE NOTATIONS CHECKED	



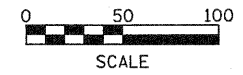
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		DRAWN - JGJ	REVISED -			317	15W-2,RS-3;16W-3,RS-5	FULTON	171	47
		CHECKED - KJH	REVISED -			CONTRACT NO. 88098				
		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLAN SURVEYED BY DATE  
 PLOTTED BY DATE  
 CHECKED BY DATE  
 NOTE BOOK NO. \_\_\_\_\_  
 RT. OF WAY CHECKED BY \_\_\_\_\_  
 FILE NAME \_\_\_\_\_

PROFILE SURVEYED BY DATE  
 PLOTTED BY DATE  
 CHECKED BY DATE  
 NOTE BOOK NO. \_\_\_\_\_  
 STRUCTURE NOTATIONS CHFD \_\_\_\_\_



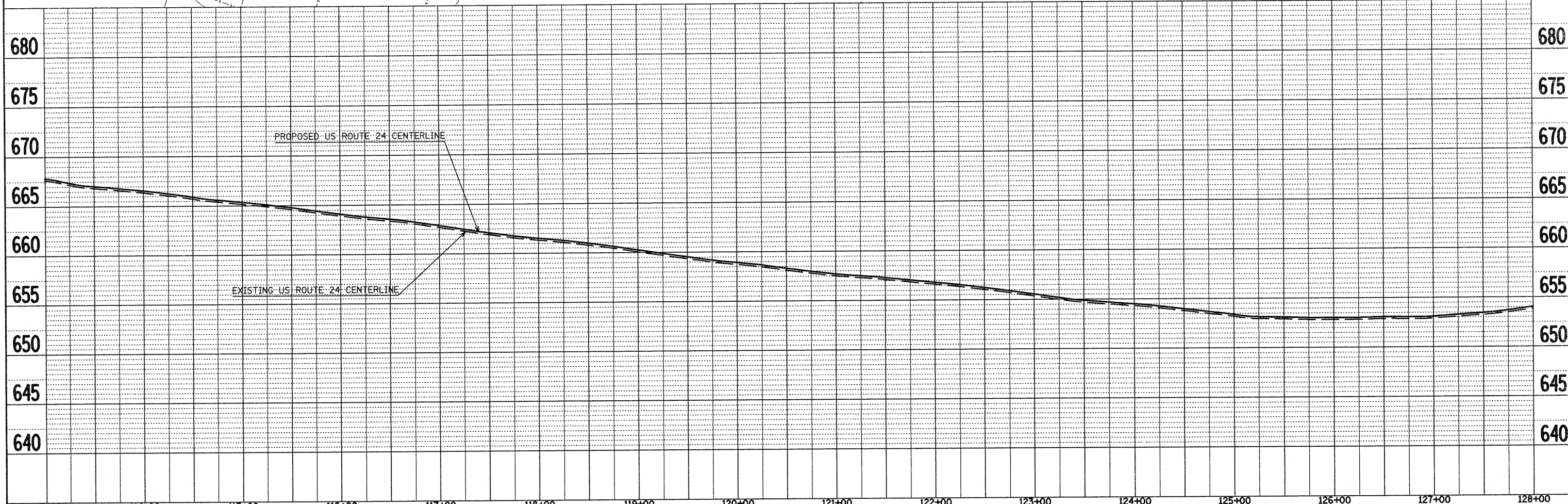
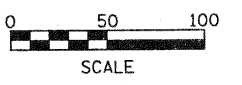
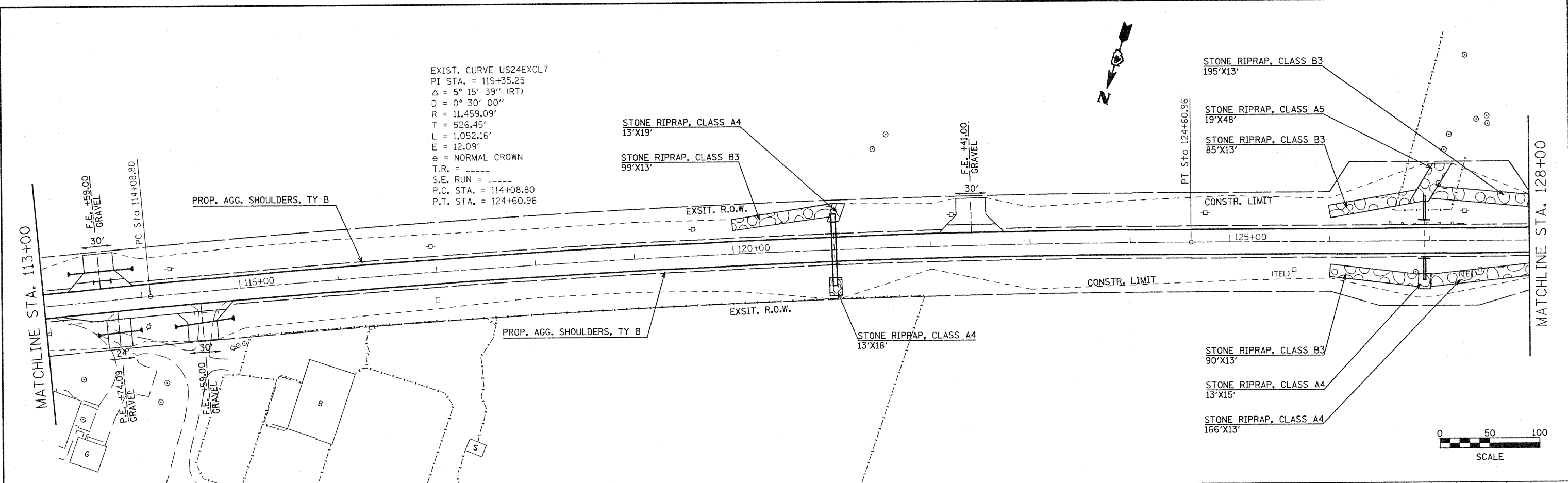
- LEGEND
- ① HMA BASE COURSE, 6" AND INCIDENTAL HMA SURFACING (2")
  - ② AGGREGATE SURFACE COURSE, TYPE B (8")



FILE NAME = plan21.dgn	USER NAME = horsthj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN &amp; PROFILE</b>	F.A.P. RTE. 317	SECTION 15W-2,RS-3;16W-3,RS-5	COUNTY FULTON	TOTAL SHEETS 171	SHEET NO. 48	
PLOT SCALE = 1/8" = 100.0000' / IN.	DATE -	DRAWN - JGJ	REVISED -			SCALE:	SHEET NO. 6 OF 14 SHEETS	STA. 98+00	TO STA. 113+00	CONTRACT NO. 88098	
PLOT DATE = 8/18/2010	DATE -	CHECKED - KJH	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
		DATE -	REVISED -								



EXIST. CURVE US24EXCL7  
 PI STA. = 119+35.25  
 $\Delta = 5^\circ 15' 39''$  (RT)  
 $D = 0^\circ 30' 00''$   
 $R = 11,459.09'$   
 $T = 526.45'$   
 $L = 1,052.16'$   
 $E = 12.09'$   
 $e = \text{NORMAL CROWN}$   
 $T.R. = \text{---}$   
 $S.E. \text{ RUN} = \text{---}$   
 $P.C. \text{ STA.} = 114+08.80$   
 $P.T. \text{ STA.} = 124+60.96$



DATE	
BY	
SURVEYED	
ALIGNED	
CHECKED	
PI. OF WAY CHECKED	
NO. CAD FILE NAME	
PLAN	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
GRADES CHECKED	
PLOTTED	
NOTE BOOK	
NO.	
STRUCTURE	
NOTATION CHD	
PROFILE	
NOTE BOOK	
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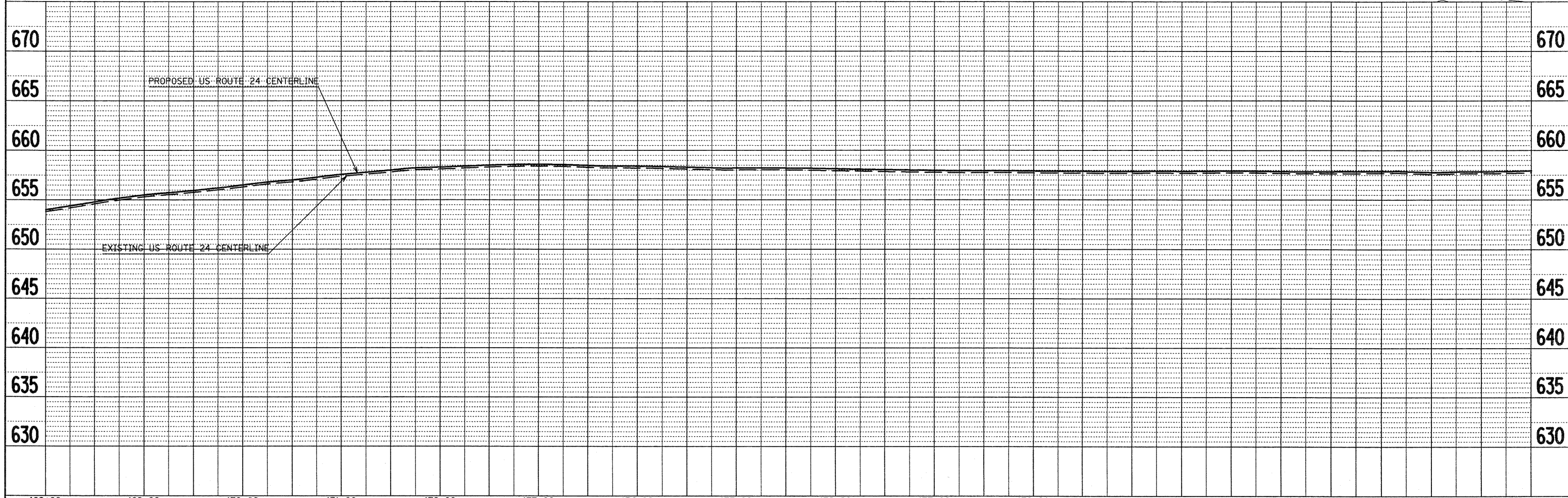
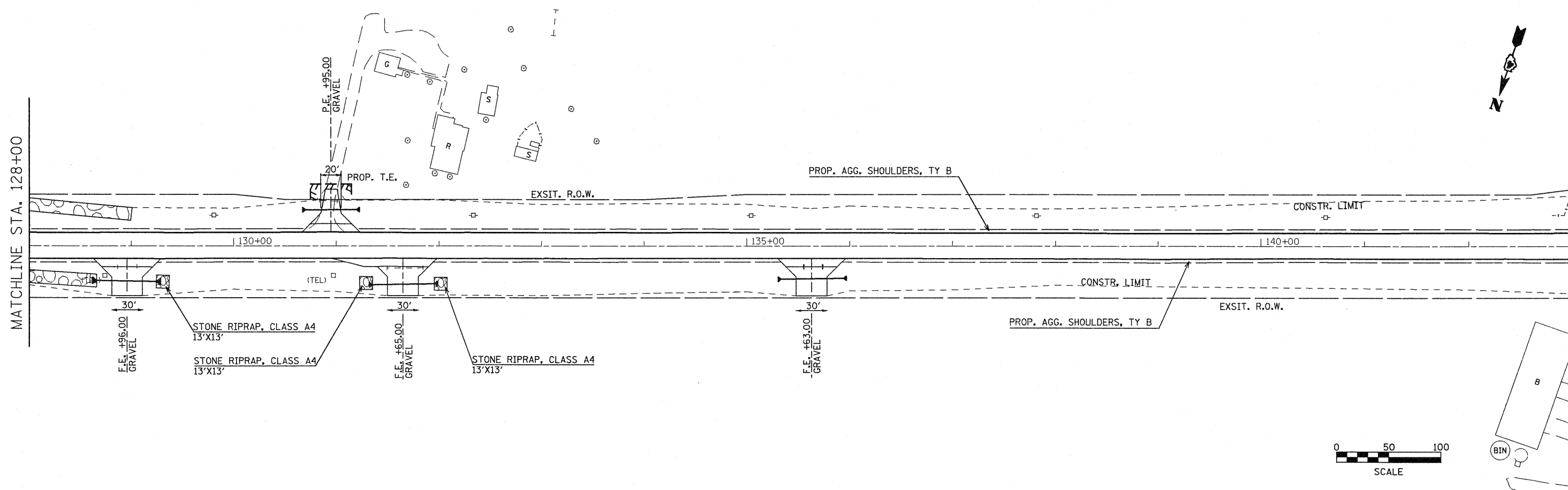
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PLOT SCALE = 1/80.0000" / IN.					CHECKED - KJH	SCALE:	SHEET NO. 7 OF 14 SHEETS	STA. 113+00 TO STA. 128+00	CONTRACT NO. 88098				
PLOT DATE = 8/10/2010					DATE -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 ALIGNED: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 NO. OF WAY CHECKED: \_\_\_\_\_  
 CAD FILE NAME: \_\_\_\_\_

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 NOTE BOOK: \_\_\_\_\_  
 NO. OF STRUCTURE NOTATIONS CHKD: \_\_\_\_\_

MATCHLINE STA. 128+00

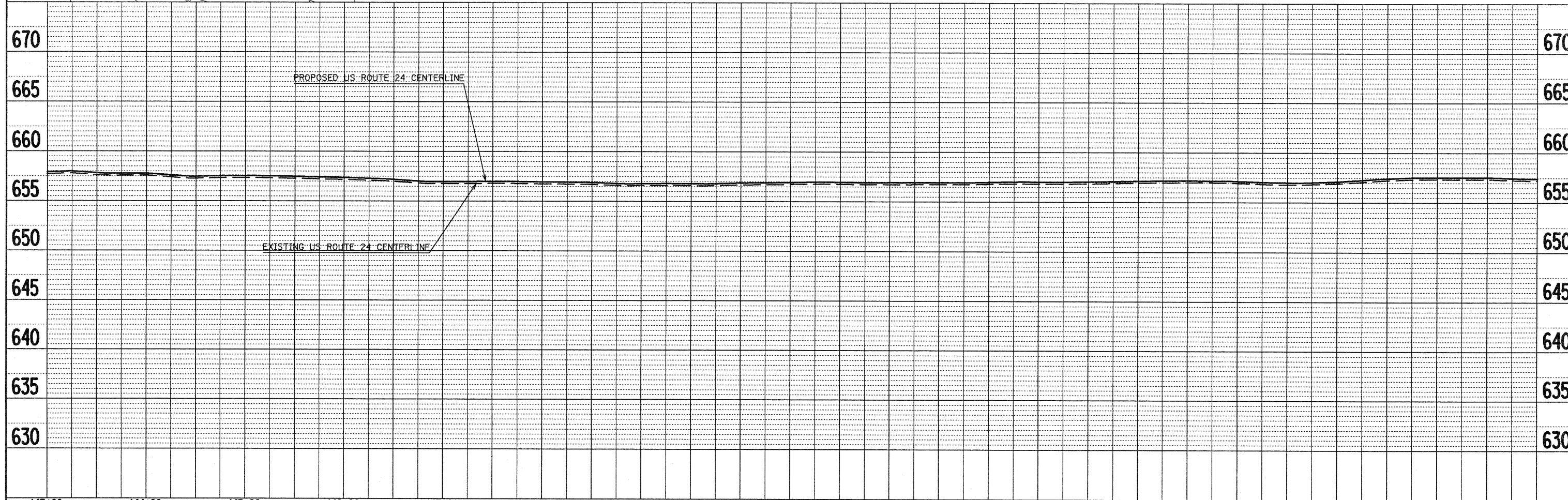
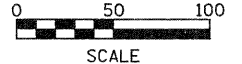
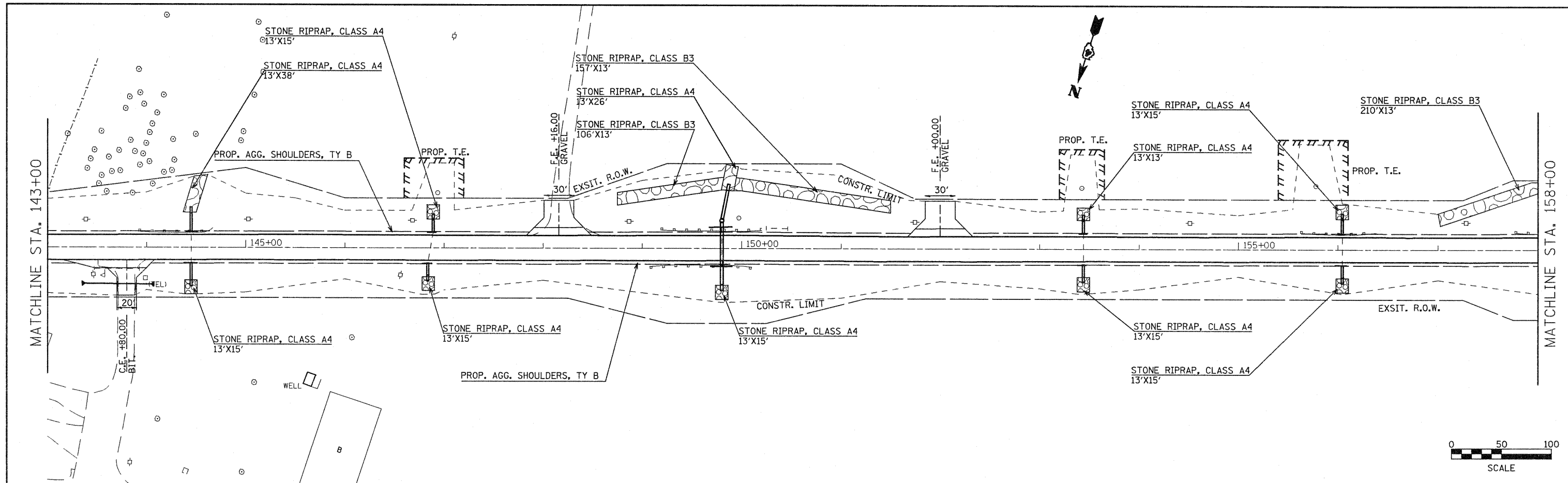
MATCHLINE STA. 143+00



128+00	129+00	130+00	131+00	132+00	133+00	134+00	135+00	136+00	137+00	138+00	139+00	140+00	141+00	142+00	143+00			
FILE NAME = plan81.dgn		USER NAME = horstkj		DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>					<b>PLAN &amp; PROFILE</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
				DRAWN - JGJ	REVISED -									317	15W-2,RS-3;16W-3,RS-5	FULTON	171	50
				CHECKED - KJH	REVISED -									CONTRACT NO. 88098				
				DATE -	REVISED -									SCALE:		SHEET NO. 8 OF 14 SHEETS		STA. 128+00 TO STA. 143+00

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED \_\_\_\_\_ PLOTTED \_\_\_\_\_ CHECKED \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_ DATE OF WAY CHECKED \_\_\_\_\_  
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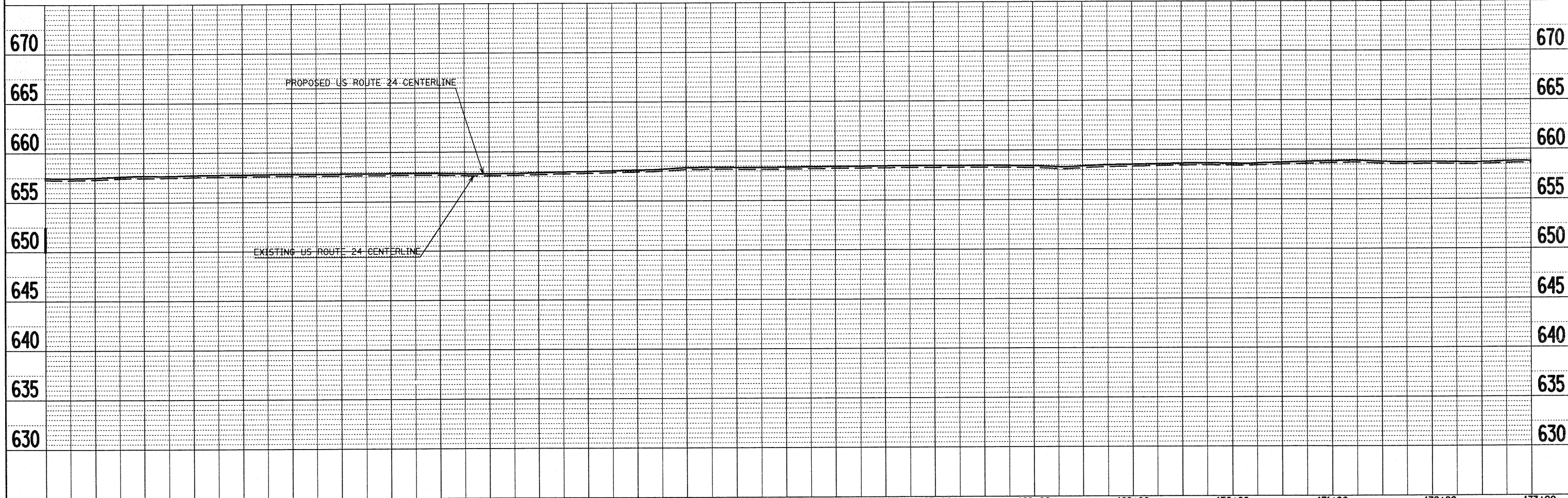
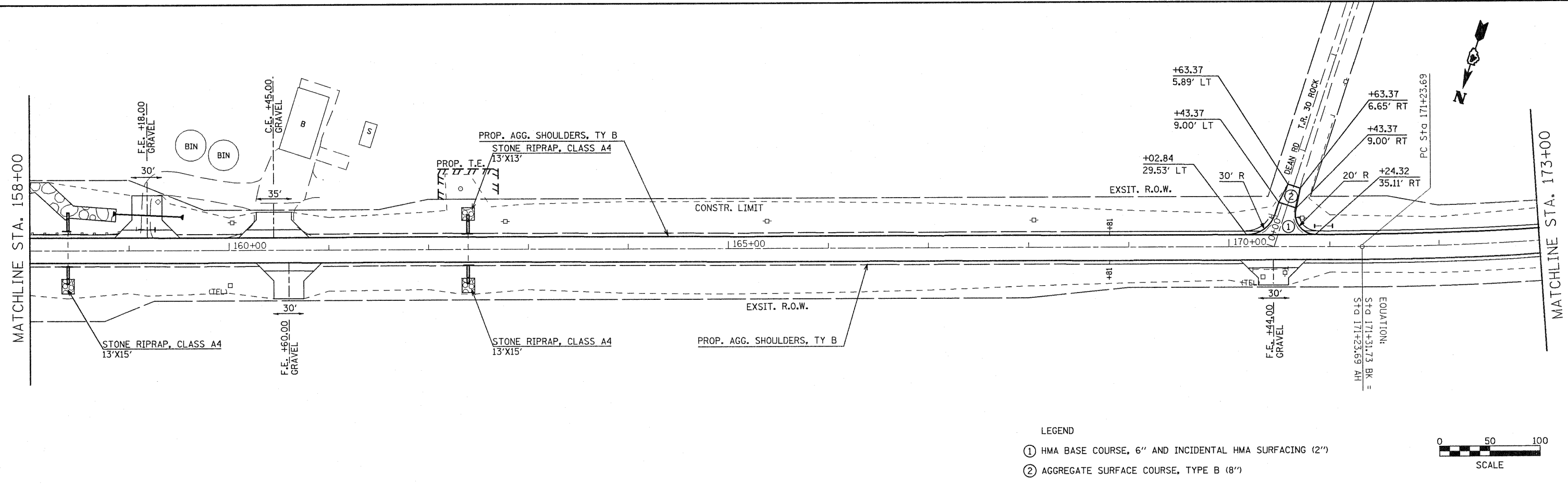
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PLOT SCALE = 100.0000' / IN. PLOT DATE = 8/12/2010		CHECKED - KJH DATE -	SCALE: SHEET NO. 9 OF 14 SHEETS STA. 143+00 TO STA. 158+00					CONTRACT NO. 88098 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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

PROFILE SURVEYED BY DATE  
 PLOTTED BY  
 NOTE BOOK NO. OF WAY CHECKED  
 NO. FILE NAME



FILE NAME = plan01.dgn	USER NAME = horatkj	DESIGNED - DRAWN - JGJ	REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN &amp; PROFILE</b>	F.A.P. RTE. 317	SECTION 15W-2,RS-3;16W-3,RS-5	COUNTY FULTON	TOTAL SHEETS 171	SHEET NO. 52	
PLOT SCALE = 100.0000' / IN.	CHECKED - KJH	REVISOR -	SCALE:			SHEET NO. 10 OF 14 SHEETS	STA. 158+00 TO STA. 173+00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 88098	
PLOT DATE = 8/10/2018	DATE -	REVISOR -									

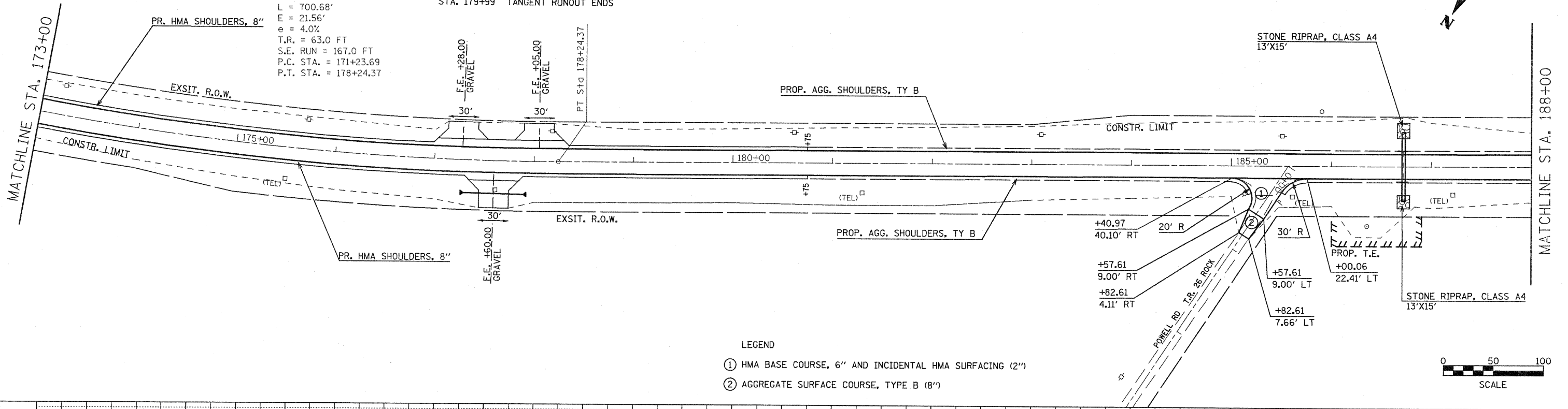
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	PLOTTED	BY
	NOTED	
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PROFILE	SURVEYED	DATE
	PLOTTED	BY
	NOTED	
	FILED	
	NO.	

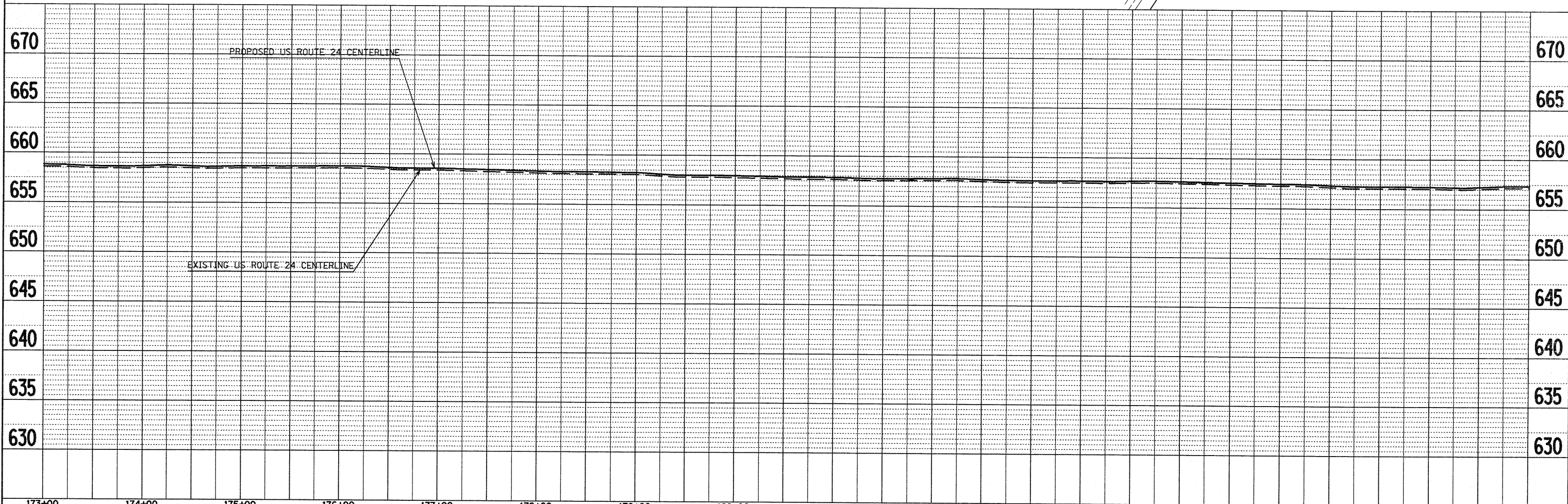
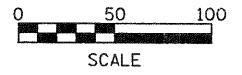
EXIST. CURVE US24EXCL8  
 PI STA. = 174+75.79  
 $\Delta = 14^\circ 00' 57''$  (LT)  
 $D = 2^\circ 00' 01''$   
 $R = 2,864.34'$   
 $T = 352.10'$   
 $L = 700.68'$   
 $E = 21.56'$   
 $e = 4.0\%$   
 $T.R. = 63.0$  FT  
 $S.E. RUN = 167.0$  FT  
 $P.C. STA. = 171+23.69$   
 $P.T. STA. = 178+24.37$

**SUPERELEVATION SUMMARY**

STA. 169+57 TANGENT RUNOUT BEGINS  
 STA. EQ.: STA. 171+31.73 (BK) = STA. 171+23.69 (AH)  
 STA. 171+79 SUPERELEVATION (4.0%) ATTAINED  
 STA. 177+69 FULL SUPERELEVATION ENDS  
 STA. 179+99 TANGENT RUNOUT ENDS



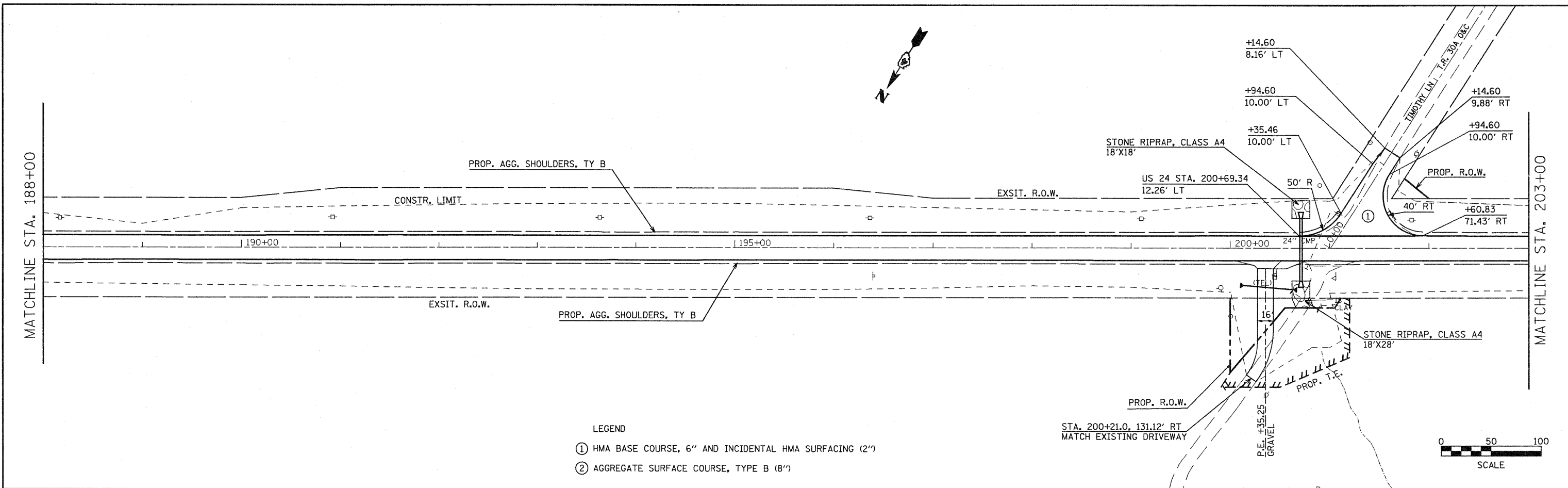
- LEGEND**
- ① HMA BASE COURSE, 6" AND INCIDENTAL HMA SURFACING (2")
  - ② AGGREGATE SURFACE COURSE, TYPE B (8")



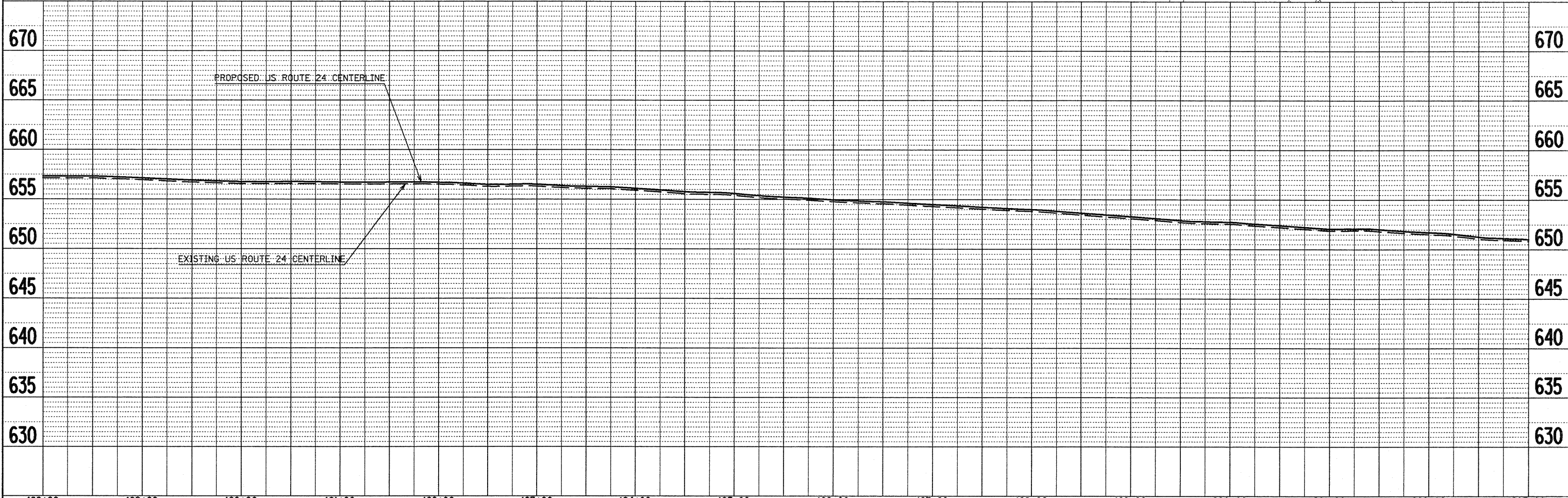
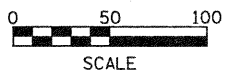
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PLOT SCALE = 1/80,000" / IN.	CHECKED - KJH	REVISED -	SCALE:			SHEET NO. 11 OF 14 SHEETS	STA. 173+00 TO STA. 188+00	CONTRACT NO. 88098		ILLINOIS FED. AID PROJECT	
PLOT DATE = 8/10/2010	DATE -	REVISED -									

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

PROFILE	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO. OF WAY CHECKED	
	STRUCTURE NOTATIONS CHRD	



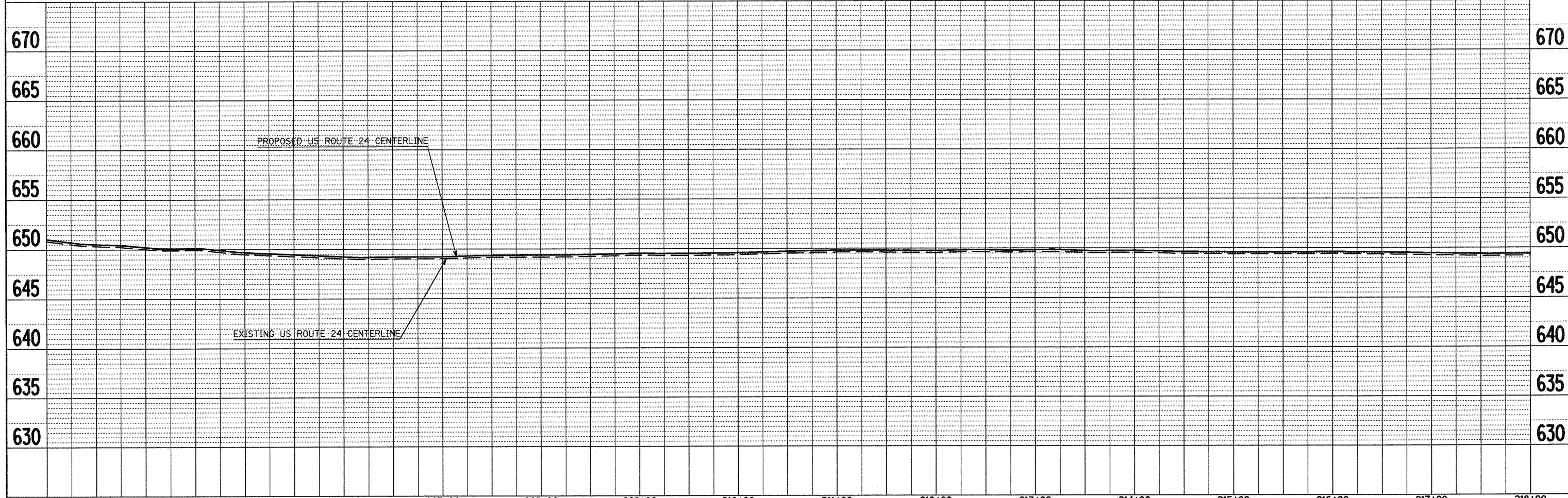
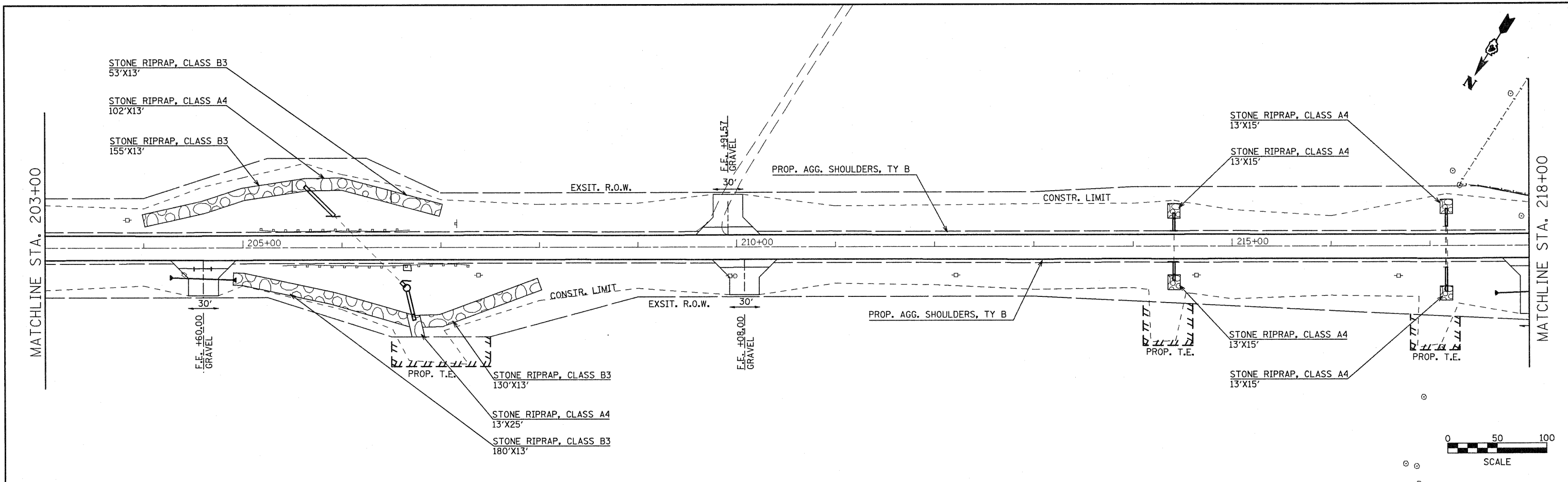
- LEGEND
- ① HMA BASE COURSE, 6" AND INCIDENTAL HMA SURFACING (2")
  - ② AGGREGATE SURFACE COURSE, TYPE B (8")



FILE NAME = plan01.dgn	USER NAME = horstkj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN &amp; PROFILE</b>	F.A.P. RTE. 317	SECTION 15W-2,RS-3;16W-3,RS-5	COUNTY FULTON	TOTAL SHEETS 171	SHEET NO. 54
	PLOT SCALE = 100.0000' / IN.	DRAWN - JGJ	REVISED -			CONTRACT NO. 88098				
	PLOT DATE = 8/10/2010	CHECKED - KJH	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
		DATE -	REVISED -			SCALE: SHEET NO. 12 OF 14 SHEETS STA. 188+00 TO STA. 203+00				

PLAN	SUBMITTED	DATE
	PLOTTED	
	REVISIONS	
	NOTES	
	CHECKED	
	BY	
	FILE NAME	

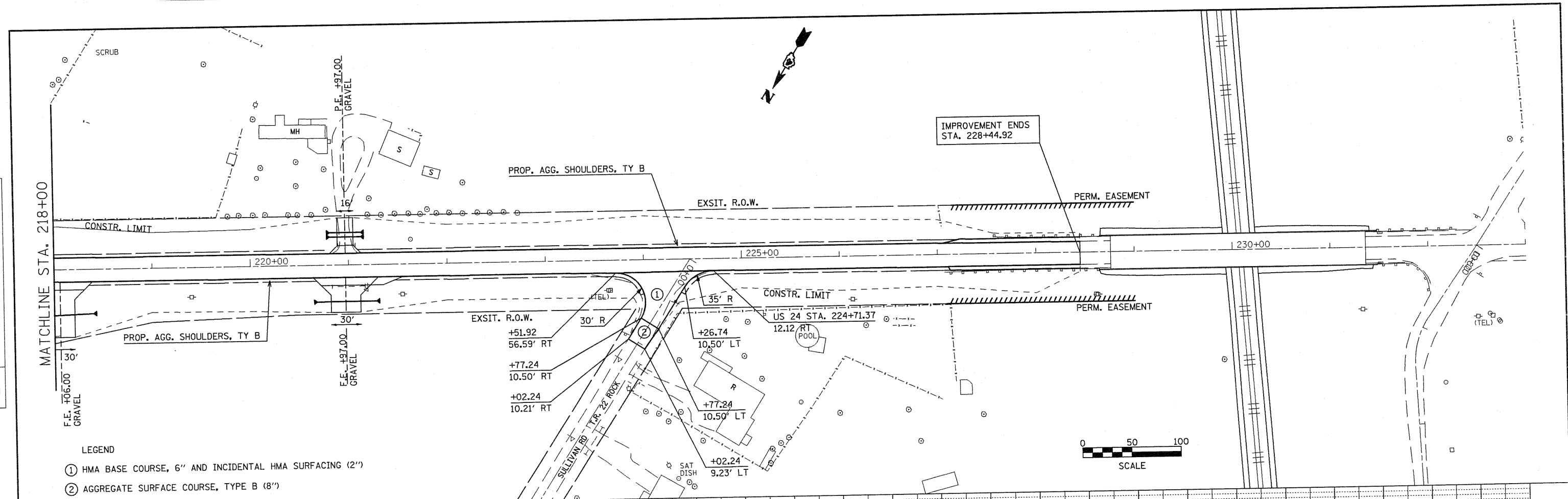
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	PLOTTED	
	REVISIONS	
	NOTES	
	CHECKED	
	BY	
	FILE NAME	



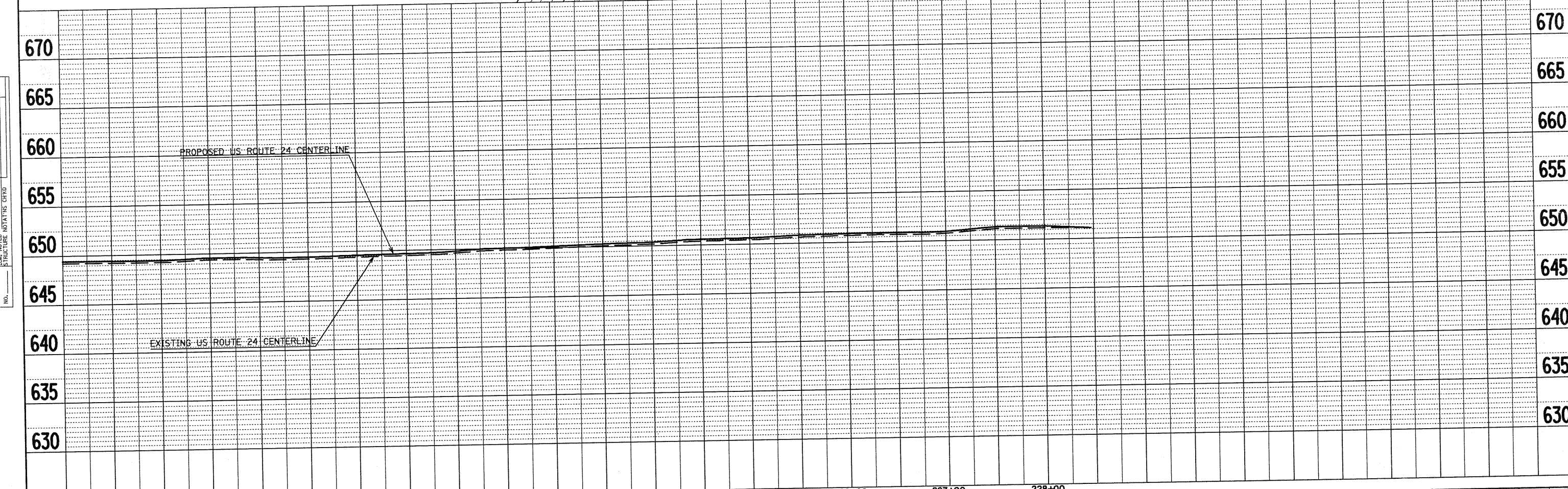
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	PLOT SCALE = 100.0000' / IN.	CHECKED - KJH	REVISED -		SCALE:	SHEET NO. 13 OF 14 SHEETS	STA. 203+00 TO STA. 218+00	CONTRACT NO. 88098		ILLINOIS FED. AID PROJECT	
	PLOT DATE = 8/18/2010	DATE -	REVISED -								

PLAN  
 SURVEYED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 ALIGNED AND CHECKED BY: \_\_\_\_\_  
 RT. OF WAY CHECKED BY: \_\_\_\_\_  
 NO. \_\_\_\_\_ PLOTTING FILE NAME: \_\_\_\_\_

PROFILE  
 SURVEYED BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 GRADES CHECKED BY: \_\_\_\_\_  
 E.M. NOTED BY: \_\_\_\_\_  
 NO. \_\_\_\_\_ STRUCTURE NOTATIONS CHD: \_\_\_\_\_



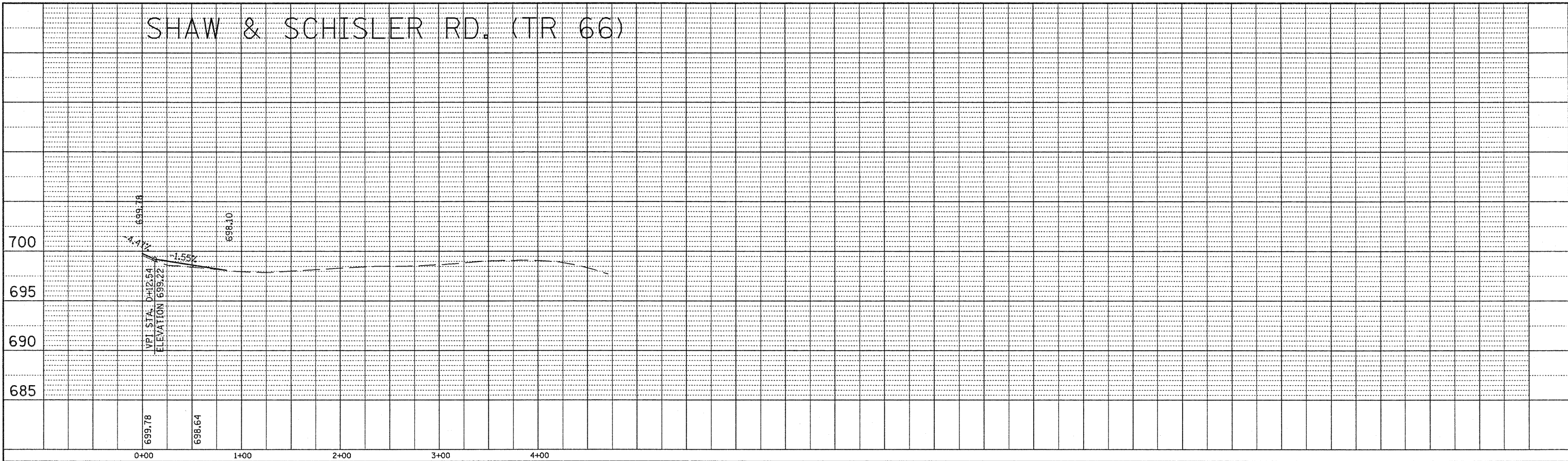
- LEGEND
- ① HMA BASE COURSE, 6" AND INCIDENTAL HMA SURFACING (2")
  - ② AGGREGATE SURFACE COURSE, TYPE B (8")



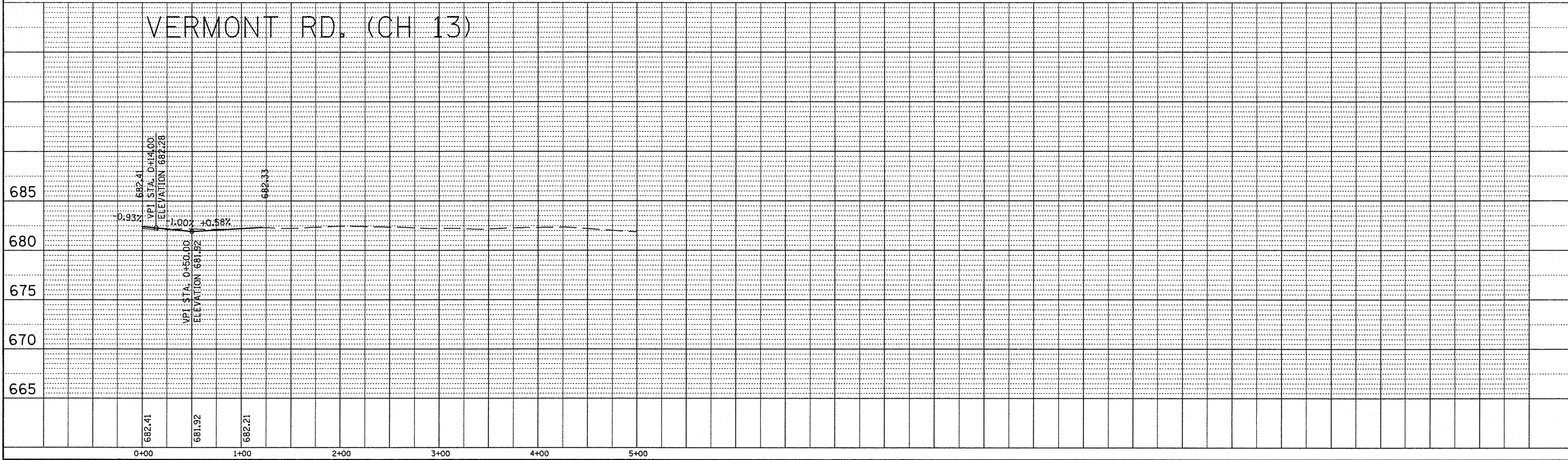
218+00	219+00	220+00	221+00	222+00	223+00	224+00	225+00	226+00	227+00	228+00		
<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>												
FILE NAME = plan01.dgn USER NAME = horsthj DESIGNED - DRAWN - JGJ CHECKED - KJH DATE - PLOT SCALE = 100.0000' / IN. PLOT DATE = 8/18/2018						<b>PLAN &amp; PROFILE</b> SCALE: SHEET NO. 14 OF 14 SHEETS STA. 218+00 TO STA. 228+00					F.A.P. RTE. 317 SECTION 15W-2,RS-3;16W-3,RS-5 COUNTY FULTON TOTAL SHEETS 171 SHEET NO. 56 CONTRACT NO. 88098 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	



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



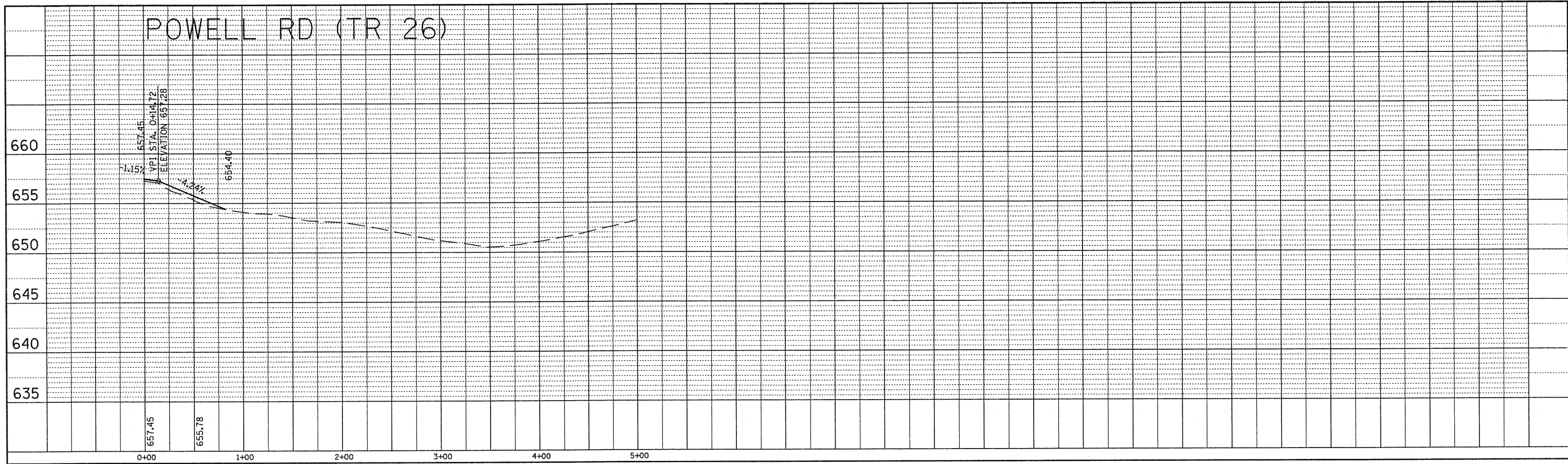
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NOTE BOOK	GRADES CHECKED		
NO.	BY		
	NOTED		
	STRUCTURE		
	NOTATION		
	GRID		



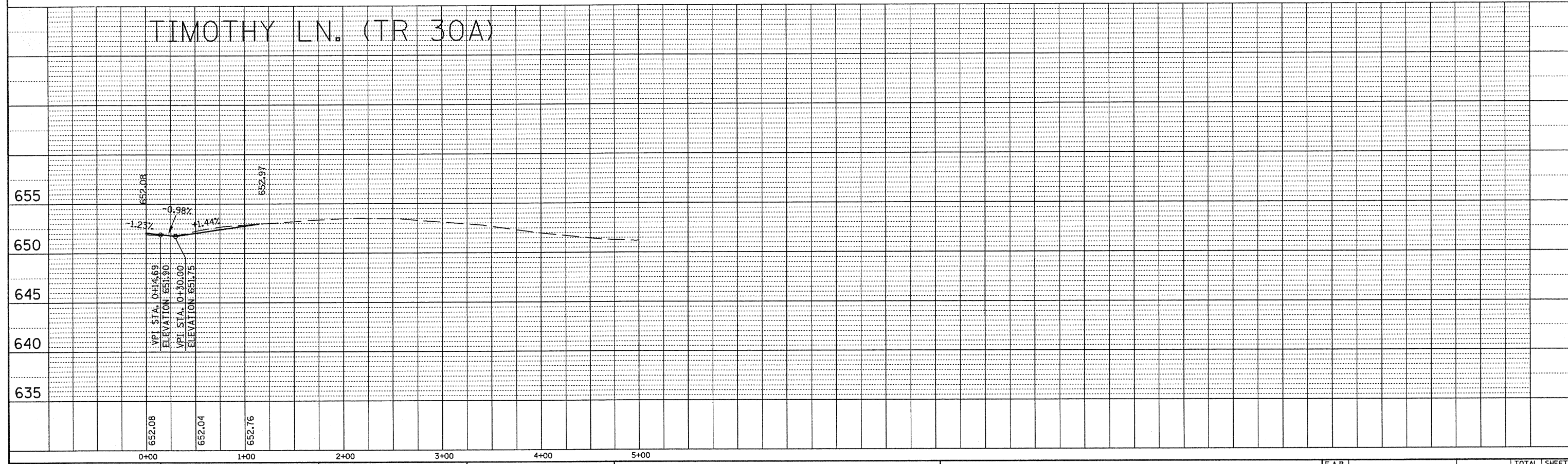
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	PLOT SCALE = 100.0000' / IN.	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 88098	
	PLOT DATE = 8/2/2018	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT								
		DATE -	REVISED -										



PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	DATE		
	NO.		
	FILE NAME		



PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	DATE		
	NO.		
	FILE NAME		

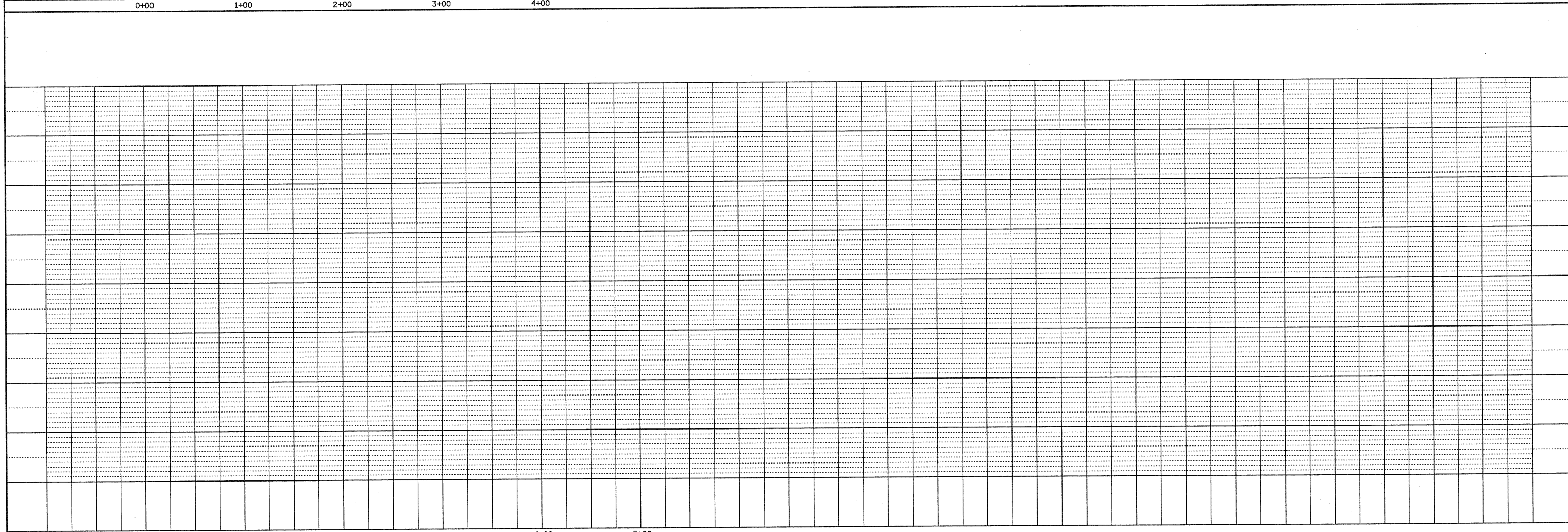
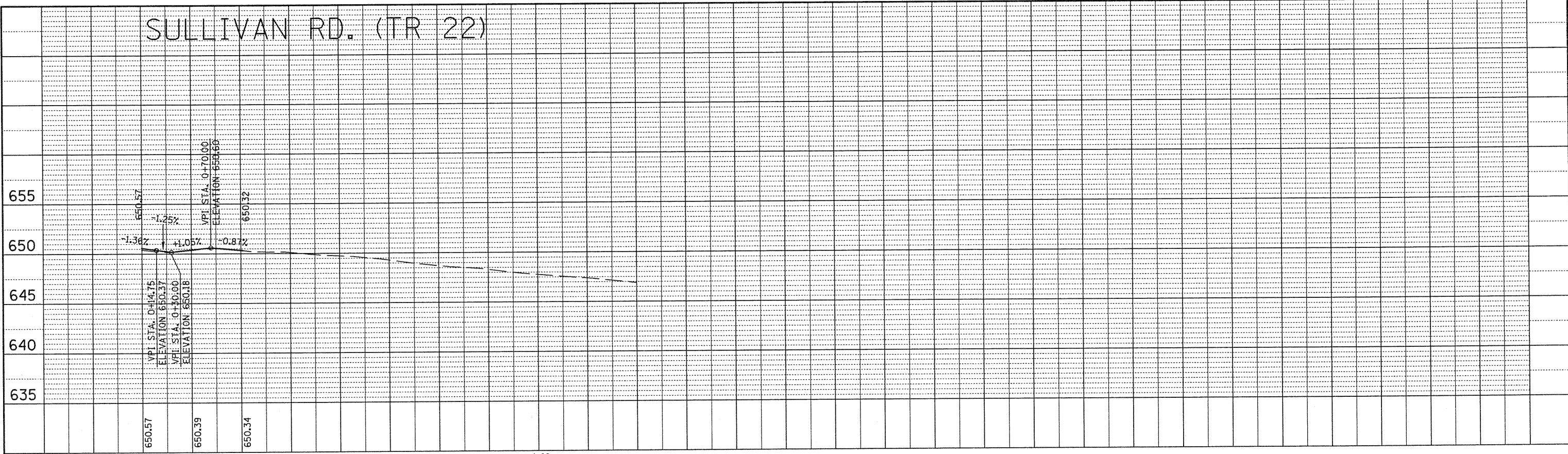


FILE NAME = profile.dgn	USER NAME = horstkj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SIDEROAD PROFILES</b>			F.A.P. RTE. 317	SECTION 15W-2,RS-3;16W-3,RS-5	COUNTY FULTON	TOTAL SHEETS 171	SHEET NO. 59
	PLDT SCALE = 100.0000' / IN.	DRAWN -	REVISED -		SCALE:	SHEET NO. OF	SHEETS	STA.	TO STA.	CONTRACT NO. 88098		
	PLDT DATE = 8/2/2010	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

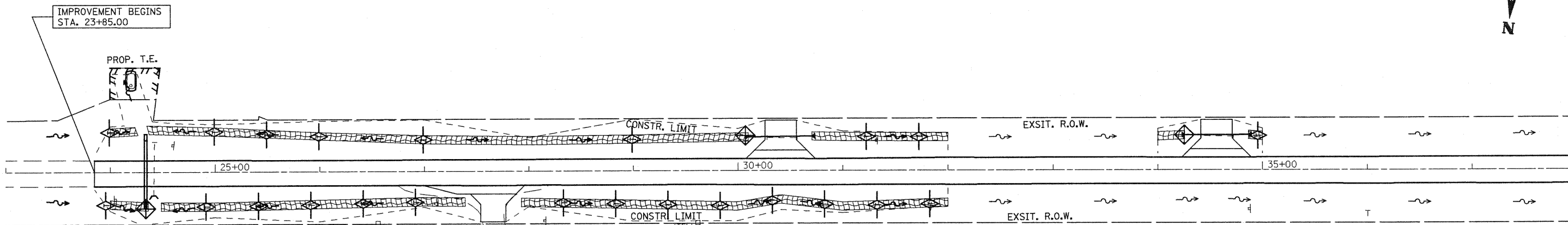
# SULLIVAN RD. (TR 22)

PLAN	SURVEYED	BY	DATE
	ALIGNED		
	CHECKED		
	FILE NAME		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	FILE NAME		
	NO.		



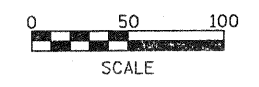
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	PLDT SCALE = 100.0000' / IN.	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 88098	
	PLDT DATE = 8/2/2010	CHECKED -	REVISED -										
		DATE -	REVISED -										



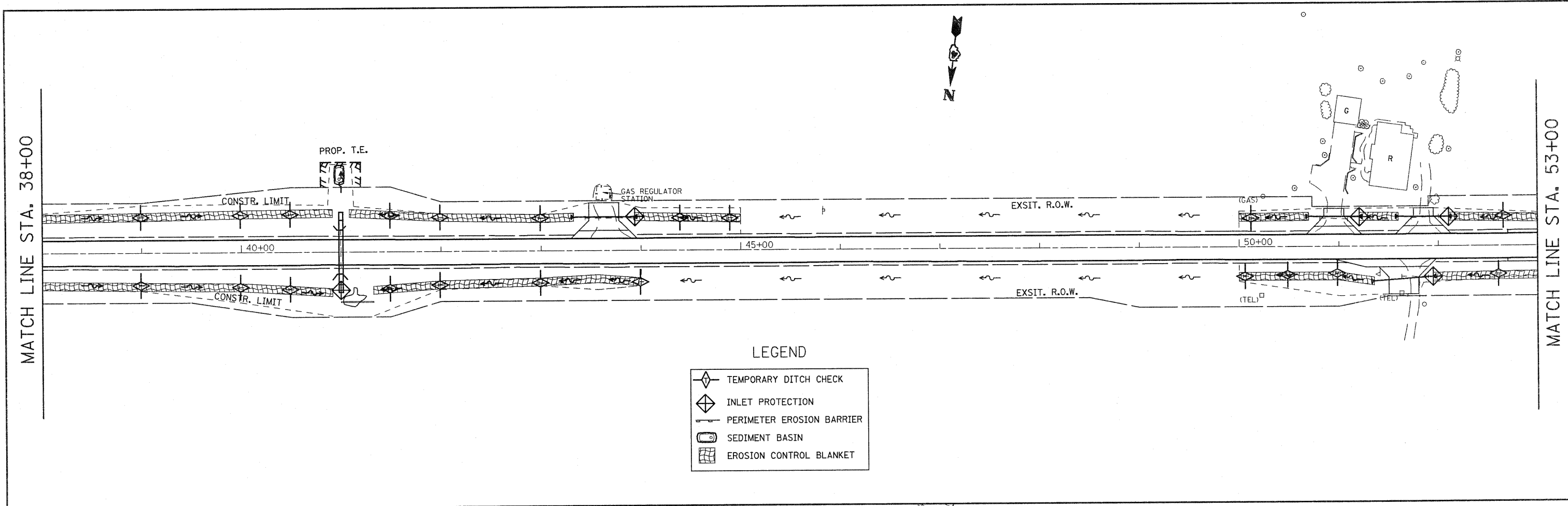
MATCH LINE STA. 38+00

LEGEND

- TEMPORARY DITCH CHECK
- INLET PROTECTION
- PERIMETER EROSION BARRIER
- SEDIMENT BASIN
- EROSION CONTROL BLANKET

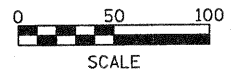
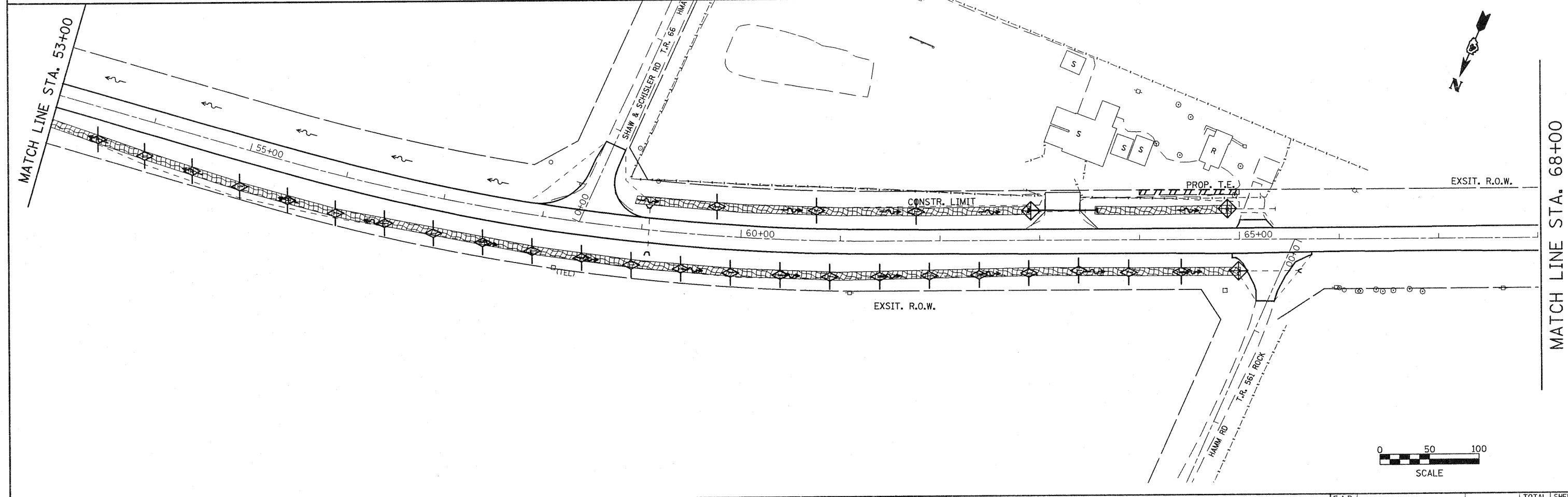


FILE NAME = erosion.dgn	USER NAME = horstkj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EROSION &amp; SEDIMENT CONTROL</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLDT SCALE = 100.0000' / IN.	CHECKED -	REVISED -		317	15W-2,RS-3;16W-3,RS-5	FULTON	171	61			
	PLDT DATE = 8/18/2018	DATE -	REVISED -		SCALE: SHEET NO. 1 OF 8 SHEETS STA. TO STA.			CONTRACT NO. 88098		ILLINOIS FED. AID PROJECT		

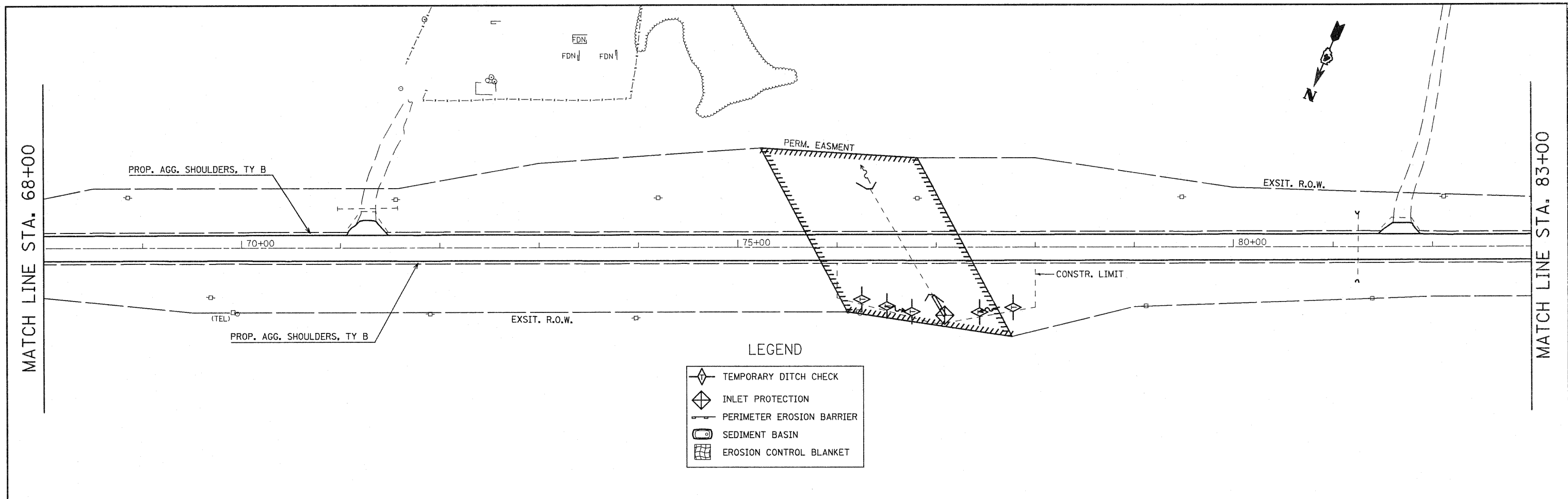


**LEGEND**

	TEMPORARY DITCH CHECK
	INLET PROTECTION
	PERIMETER EROSION BARRIER
	SEDIMENT BASIN
	EROSION CONTROL BLANKET

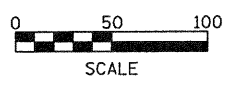
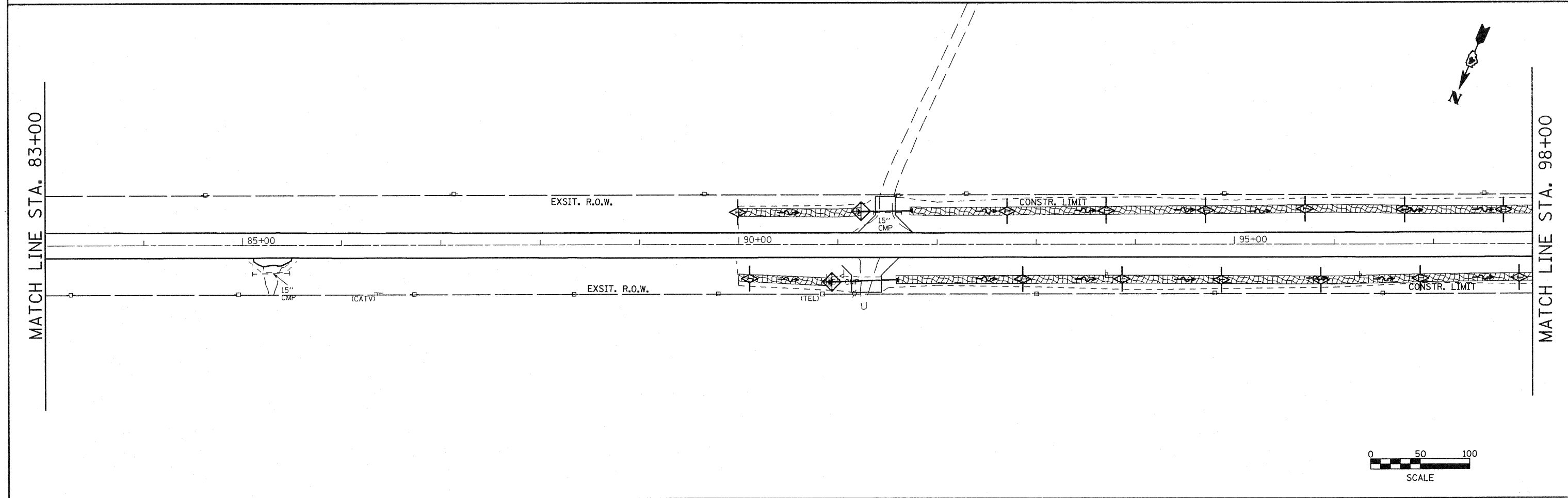


FILE NAME = erosion.dgn	USER NAME = horstky	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EROSION &amp; SEDIMENT CONTROL</b>	F.A.P. RTE. 317	SECTION 15W-2,RS-3;16W-3,RS-5	COUNTY FULTON	TOTAL SHEETS 171	SHEET NO. 62
PLLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -	REVISED -	SCALE: SHEET NO. 2 OF 8 SHEETS STA. TO STA.	CONTRACT NO. 88098	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
PLLOT DATE = 8/10/2010	DATE -	REVISED -	REVISED -							

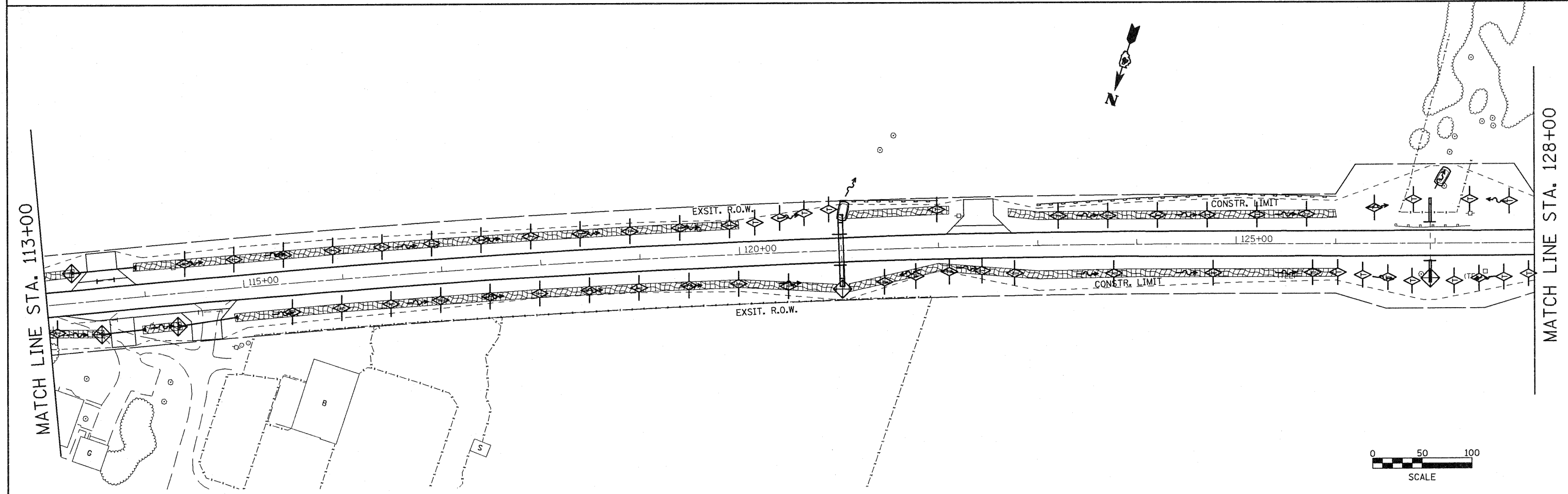
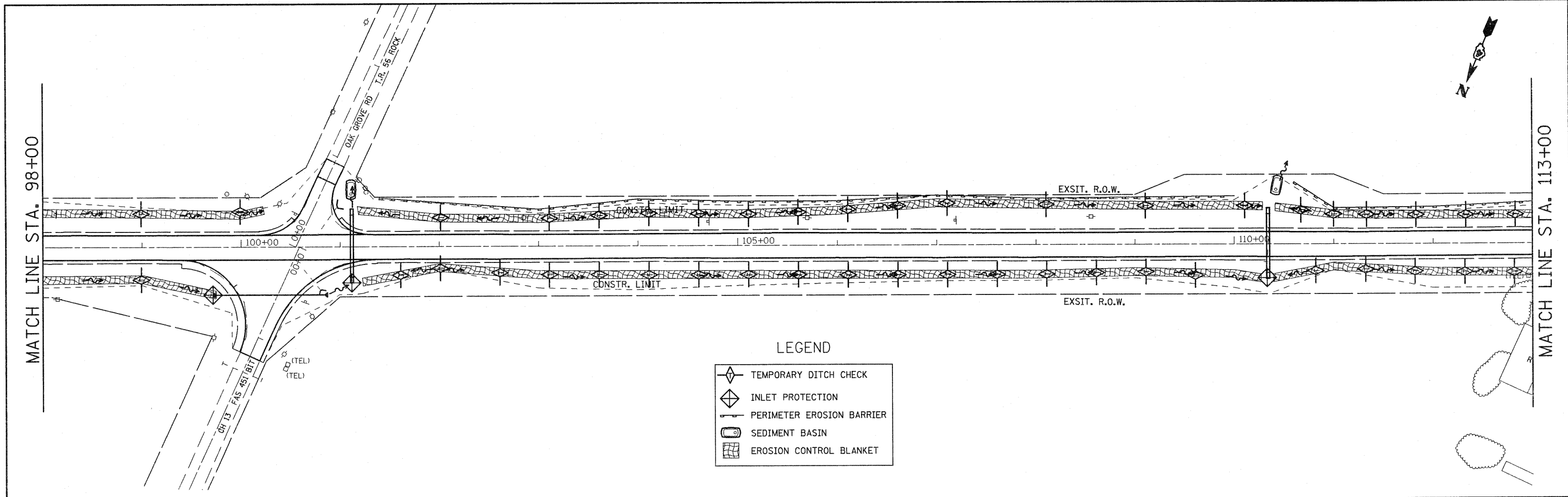


**LEGEND**

	TEMPORARY DITCH CHECK
	INLET PROTECTION
	PERIMETER EROSION BARRIER
	SEDIMENT BASIN
	EROSION CONTROL BLANKET

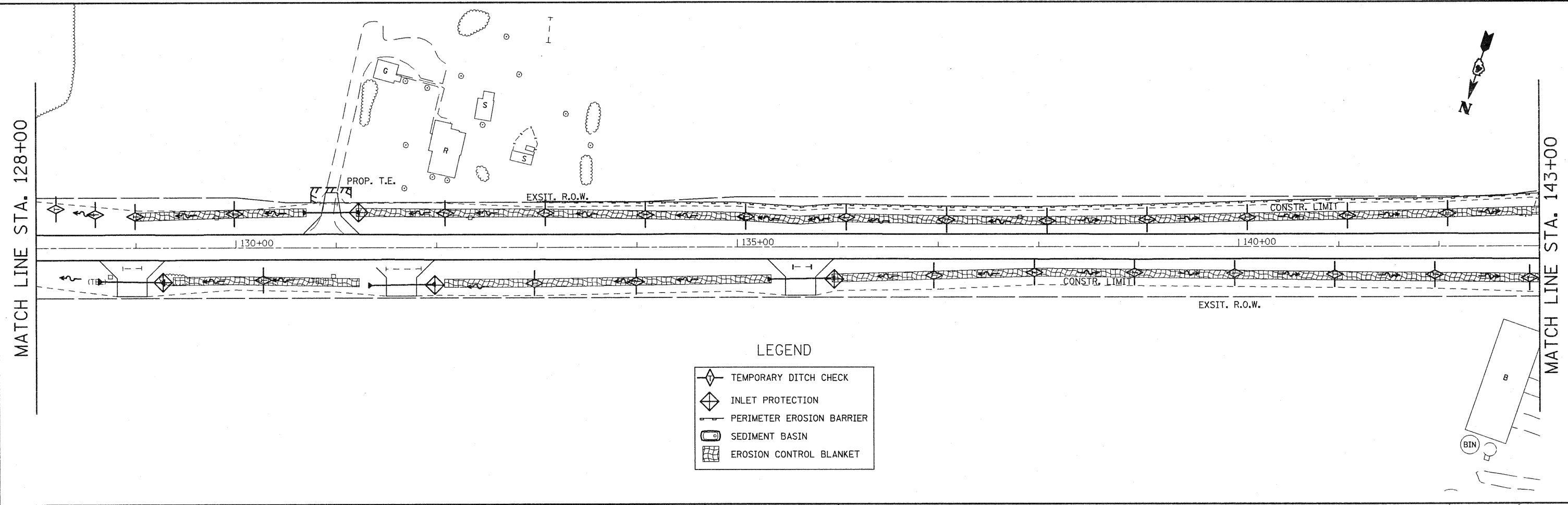


FILE NAME = erosion.dgn	USER NAME = horstkj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EROSION &amp; SEDIMENT CONTROL</b>	F.A.P. RTE. 317	SECTION 15W-2,RS-3;16W-3,RS-5	COUNTY FULTON	TOTAL SHEETS 171	SHEET NO. 63
PLDT SCALE = 100.0000' / IN.	CHECKED -	REVISIED -	REVISIED -	SCALE: SHEET NO. 3 OF 8 SHEETS STA. TO STA.		CONTRACT NO. 88098		ILLINOIS FED. AID PROJECT		
PLOT DATE = 8/18/2010	DATE -	REVISIED -	REVISIED -							



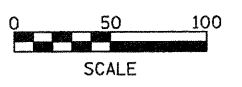
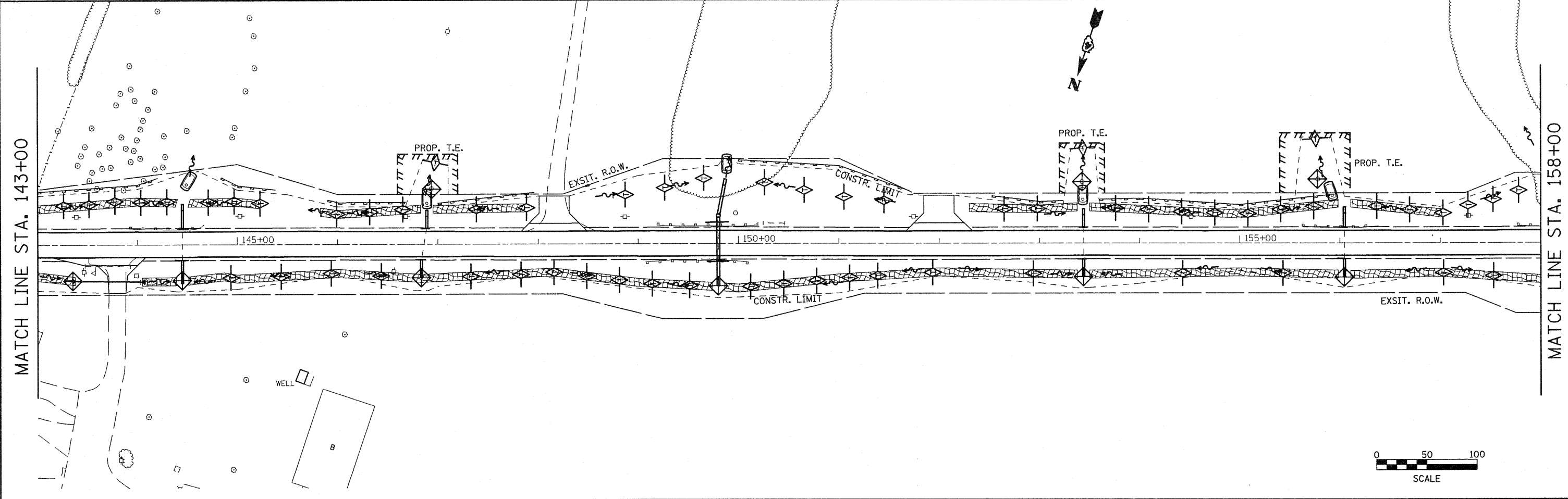
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	PLOT SCALE = 100.0000' / IN.	DRAWN -	REVISED -			317	15W-2,RS-3;16W-3,RS-5	FULTON	171	64
PLOT DATE = 8/10/2010	CHECKED -	REVISED -	CONTRACT NO. 88098							
	DATE -	REVISED -	SCALE:		SHEET NO. 4 OF 8 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		



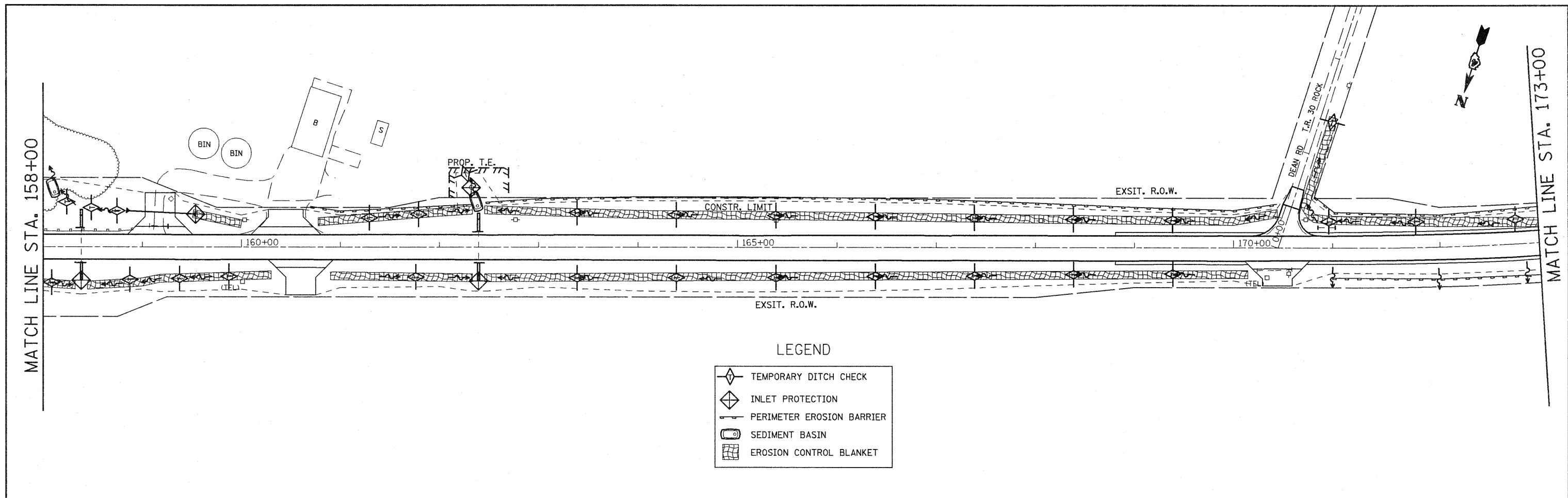


LEGEND

	TEMPORARY DITCH CHECK
	INLET PROTECTION
	PERIMETER EROSION BARRIER
	SEDIMENT BASIN
	EROSION CONTROL BLANKET

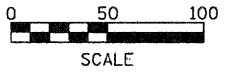
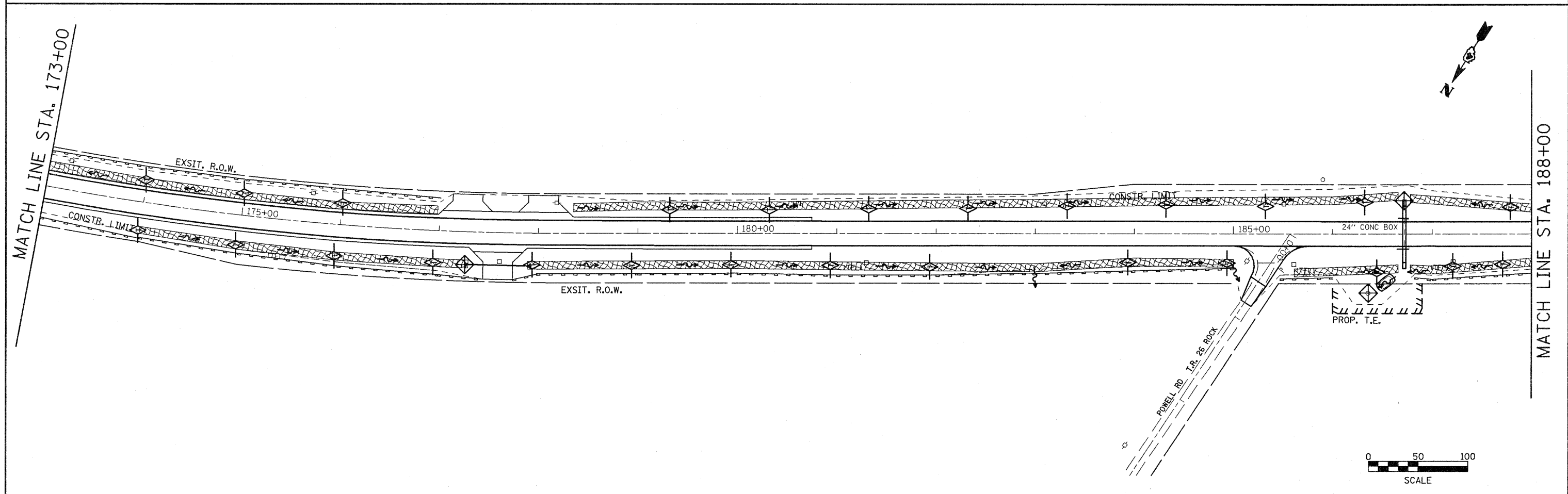


FILE NAME = erosion.dgn	USER NAME = horstkj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EROSION &amp; SEDIMENT CONTROL</b>			F.A.P. RTE. 317	SECTION 15W-2,RS-3;16W-3,RS-5	COUNTY FULTON	TOTAL SHEETS 171	SHEET NO. 65
	PLDT SCALE = 100.0000' / IN.	DRAWN -	REVISED -		SCALE:	SHEET NO. 5 OF 8 SHEETS	STA.	TO STA.	CONTRACT NO. 88098			
	PLDT DATE = 8/10/2010	CHECKED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

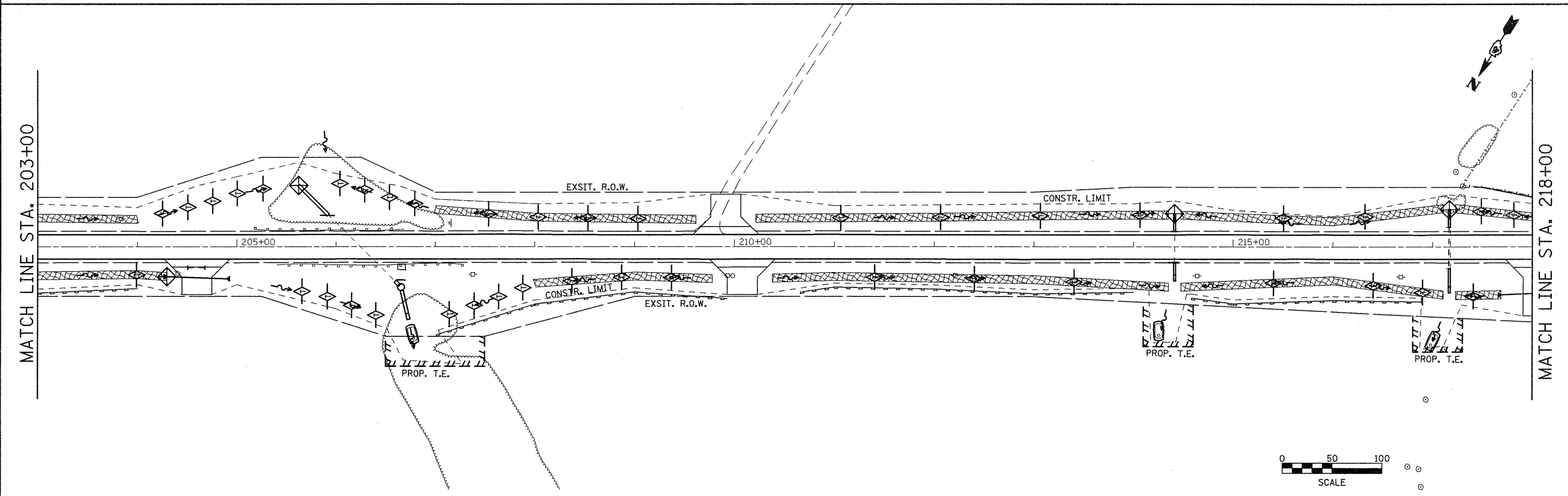
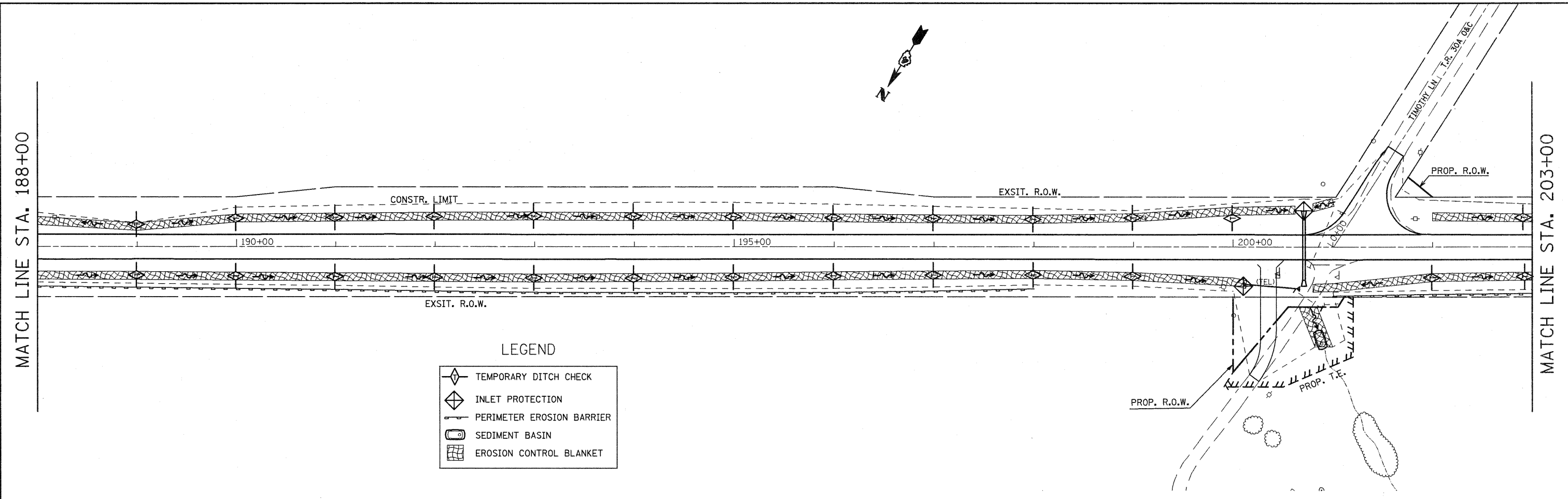


LEGEND

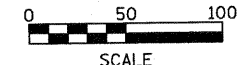
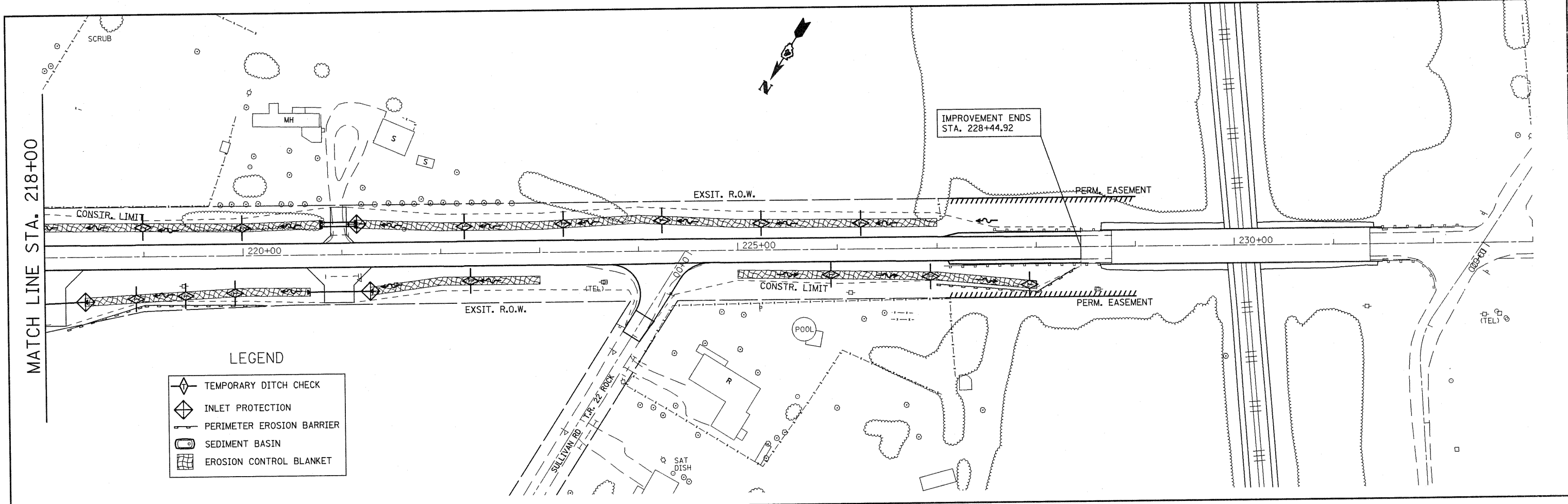
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	INLET PROTECTION
	PERIMETER EROSION BARRIER
	SEDIMENT BASIN
	EROSION CONTROL BLANKET



FILE NAME = erosion.dgn	USER NAME = horstkj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EROSION &amp; SEDIMENT CONTROL</b>	F.A.P. RTE. 317	SECTION 15W-2,RS-3;16W-3,RS-5	COUNTY FULTON	TOTAL SHEETS 171	SHEET NO. 66
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	PLOT DATE = 8/10/2010	CHECKED -	REVISED -							
		DATE -	REVISED -							
						SCALE:	SHEET NO. 6 OF 8 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT



FILE NAME = erosion.dgn	USER NAME = horstkj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>EROSION &amp; SEDIMENT CONTROL</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / IN.	DRAWN -	REVISED -				317	15W-2,RS-3;16W-3,RS-5	FULTON	171	167
	PLOT DATE = 8/18/2018	CHECKED -	REVISED -				CONTRACT NO. 88098				
	DATE -	REVISED -		SCALE:	SHEET NO. 7 OF 8 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			



FILE NAME = erosion.dgn	USER NAME = horstkj	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

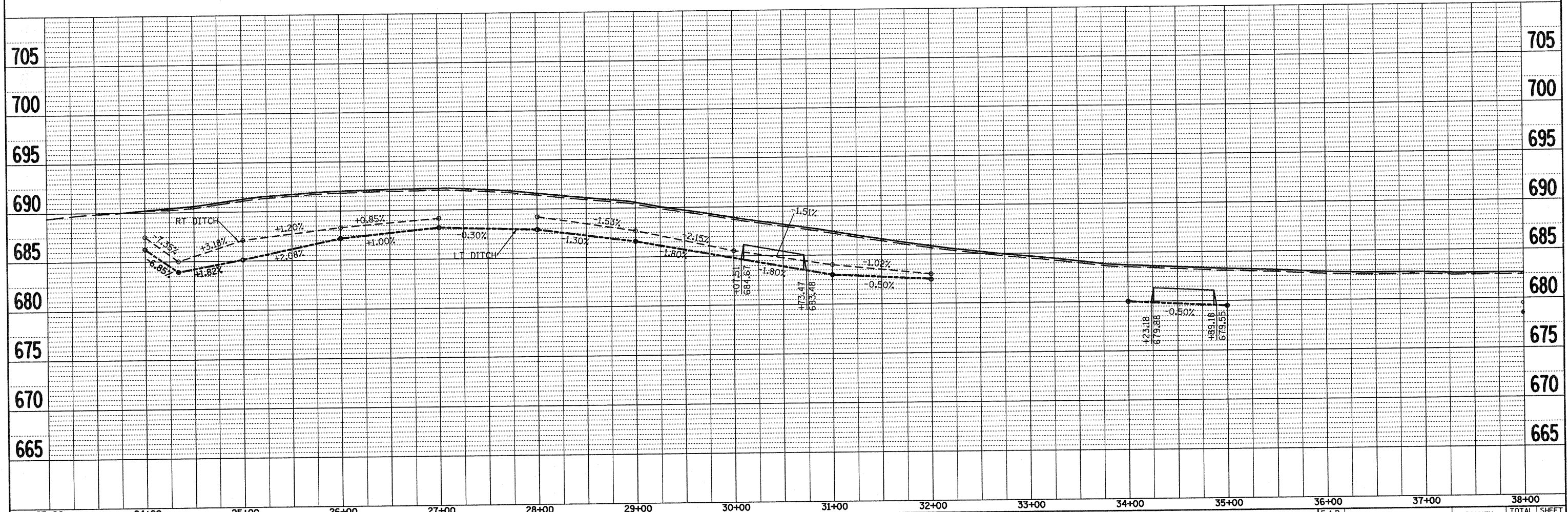
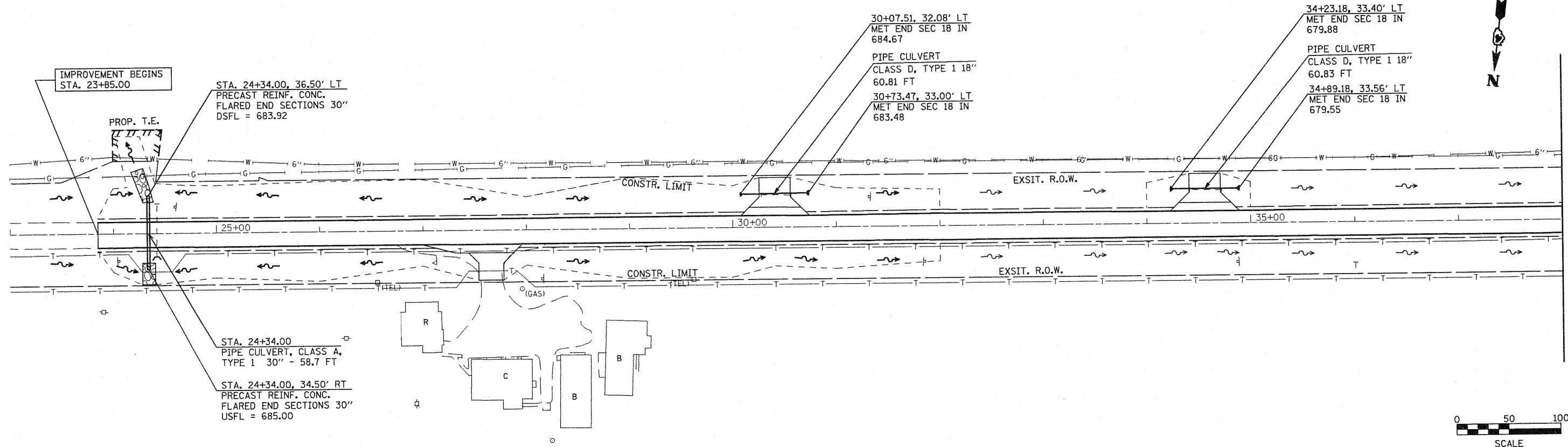
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>EROSION &amp; SEDIMENT CONTROL</b>			
SCALE:	SHEET NO. 8 OF 8 SHEETS	STA.	TO STA.

F.A.P. RTE. 317	SECTION 15W-2,RS-3;16W-3,RS-5	COUNTY FULTON	TOTAL SHEETS 171	SHEET NO. 68
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT CONTRACT NO. 88098		

DATE	
BY	
PLANNED	
DESIGNED	
DRAWN	
CHECKED	
DATE	
NO.	

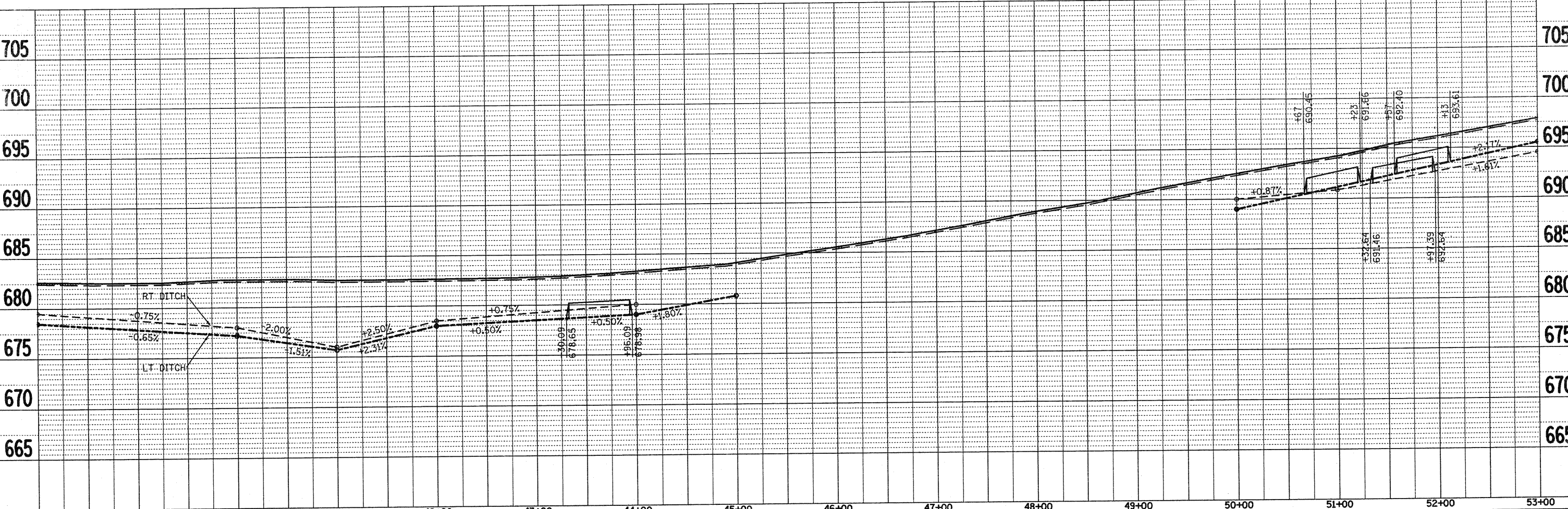
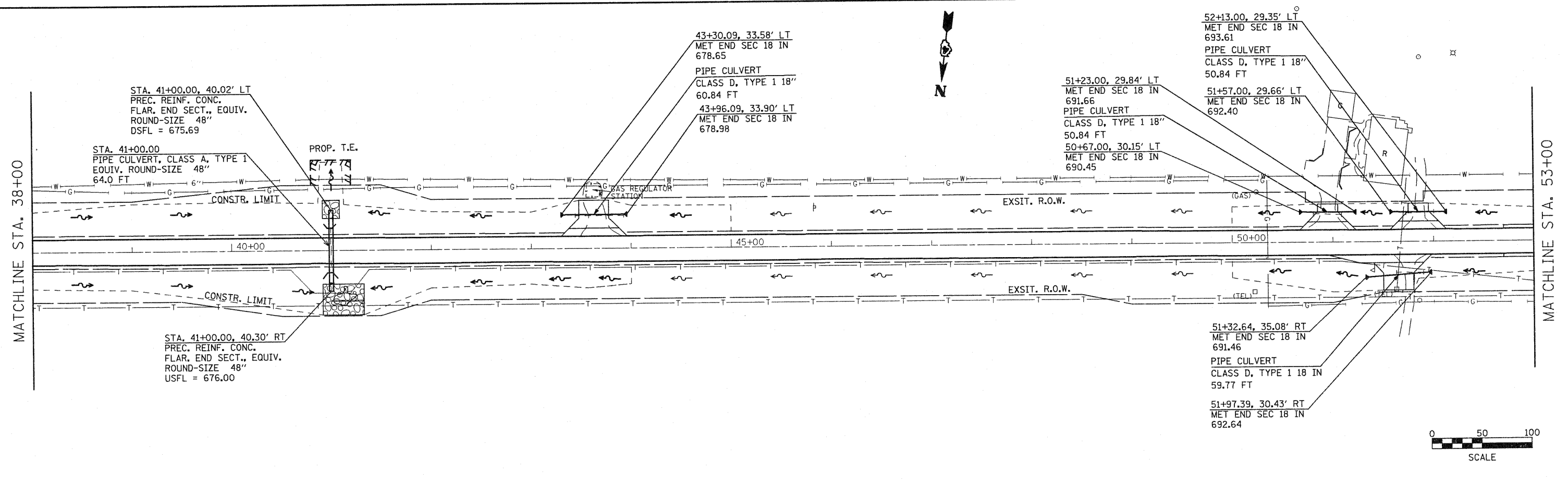
DATE	
BY	
PROFILE	
DESIGNED	
DRAWN	
CHECKED	
DATE	
NO.	



FILE NAME = plan01.dgn	USER NAME = horstkj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE &amp; UTILITIES</b>	F.A.P. RTE. = 317	SECTION = 15W-2,RS-3;16W-3,RS-5	COUNTY = FULTON	TOTAL SHEETS = 171	SHEET NO. = 69	
PLOT SCALE = 1/8" = 100'	CHECKED - KJH	DATE -	REVISED -			SCALE =	SHEET NO. 1 OF 14 SHEETS	STA. 23+00 TO STA. 38+00	FED. ROAD DIST. NO. = ILLINOIS FED. AID PROJECT	CONTRACT NO. 88098	
PLOT DATE = 8/18/2018	DATE -	REVISED -	REVISED -								

DATE	
BY	
PLAN	
SURVEYED	
ALIGNED	
CHECKED	
BY	
NOTE BOOK	
NO.	
ADD FILE NAME	

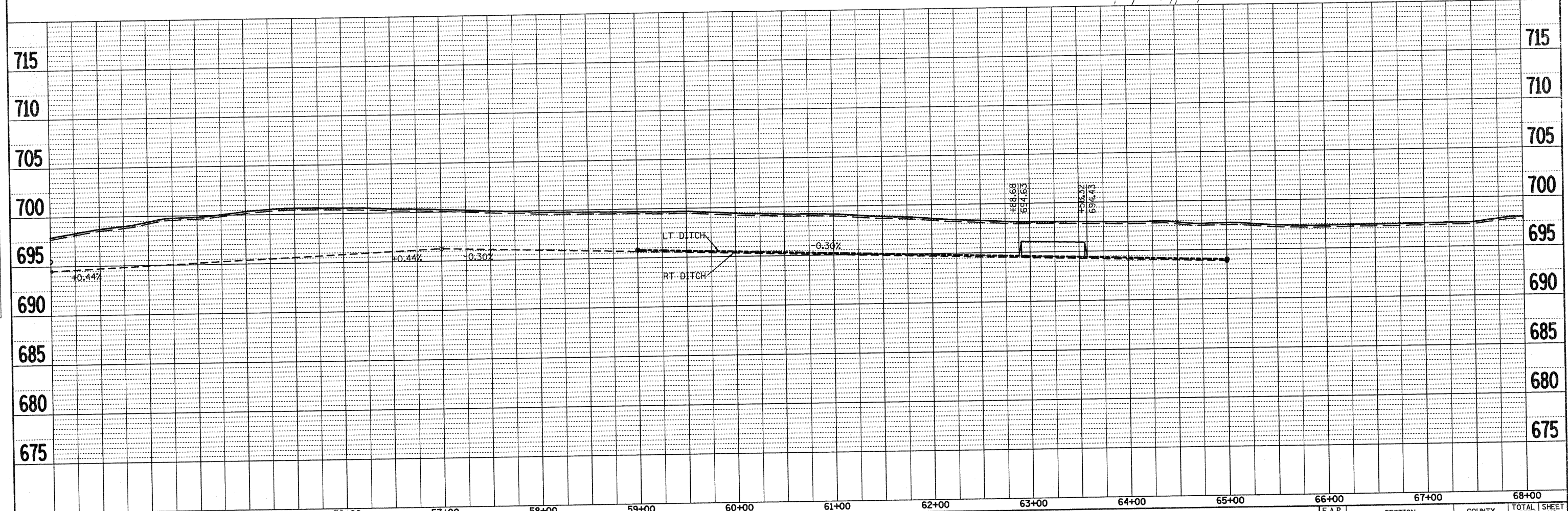
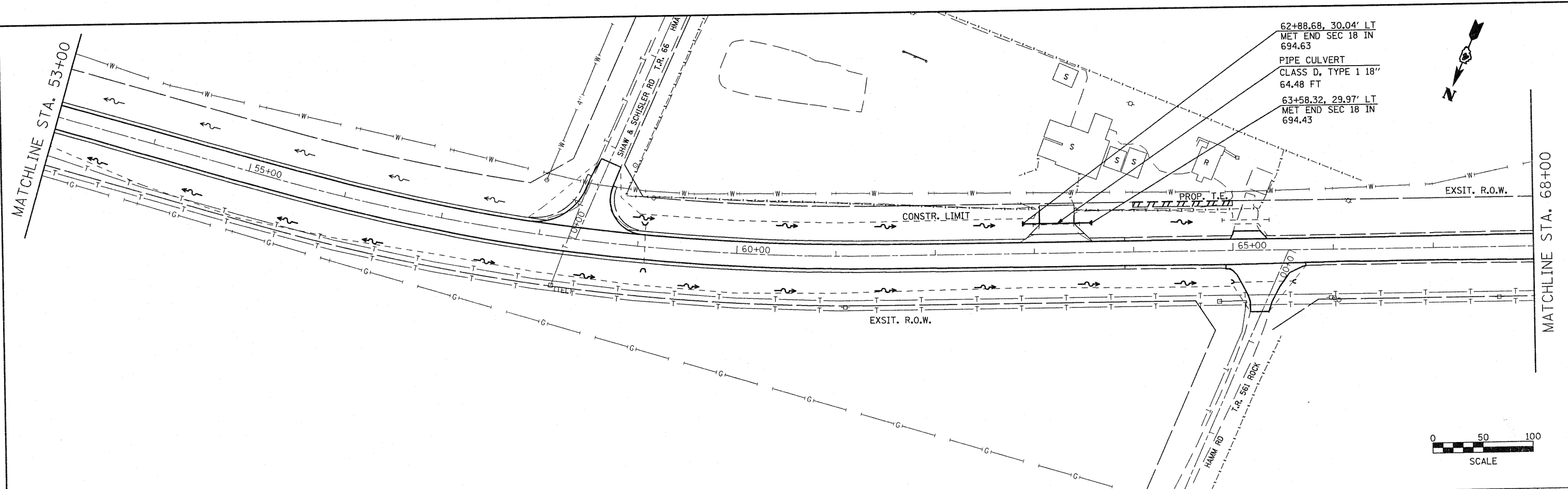
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BY	
PROFILE	
SURVEYED	
GRADES CHECKED	
PLOTTED	
BY	
NOTE BOOK	
NO.	
STRUCTURE NOTATIONS CHRG	



FILE NAME = plan01.dgn	USER NAME = horstkj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE &amp; UTILITIES</b>		F.A.P. RTE. 317	SECTION 15W-2,RS-316W-3,RS-5	COUNTY FULTON	TOTAL SHEETS 171	SHEET NO. 70
PLOT SCALE = 100.0000' / IN.	CHECKED - KJH	DRAWN - JGJ	REVISED -		SCALE:	SHEET NO. 2 OF 14 SHEETS	STA. 38+00 TO STA. 53+00	CONTRACT NO. 88098		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
PLOT DATE = 8/18/2010	DATE -	CHECKED -	REVISED -								

DATE	
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DATE	
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PLAN	
NO.	

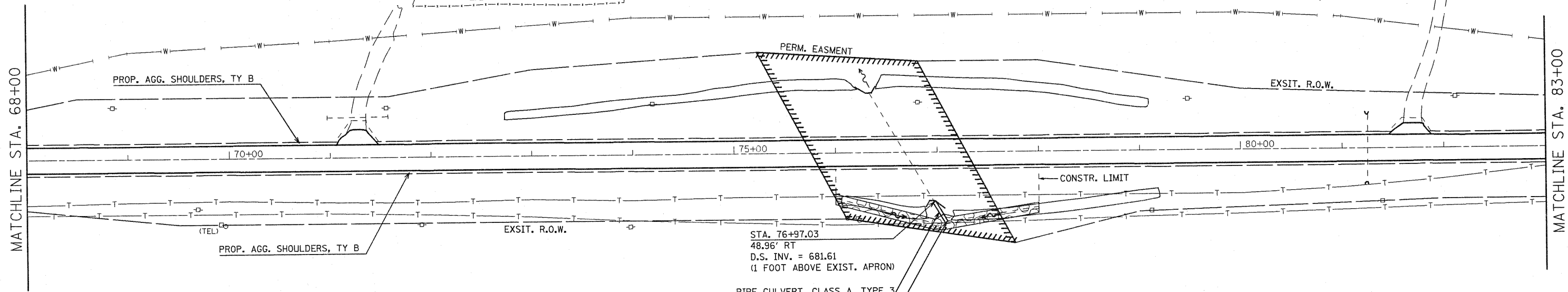
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PROFILE	
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DATE	
BY	
PROFILE	
NO.	



FILE NAME = plan01.dgn	USER NAME = horathj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE &amp; UTILITIES</b>	F.A.P. RTE. 317	SECTION 15W-2,RS-3;16W-3,RS-5	COUNTY FUTLON	TOTAL SHEETS 171	SHEET NO. 71	
PLOT SCALE = 100.0000' / IN.	CHECKED - KJH	DESIGNED - JGJ	REVISED -			SCALE:	SHEET NO. 3 OF 14 SHEETS	STA. 53+00	TO STA. 68+00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
PLOT DATE = 8/10/2010	DATE -	DRAWN -	REVISED -			CONTRACT NO. 88098					

PLAN SURVEYED \_\_\_\_\_ DATE \_\_\_\_\_  
 ALIGNED CHECKED \_\_\_\_\_  
 PT. OF WAY CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_  
 FILE NAME \_\_\_\_\_

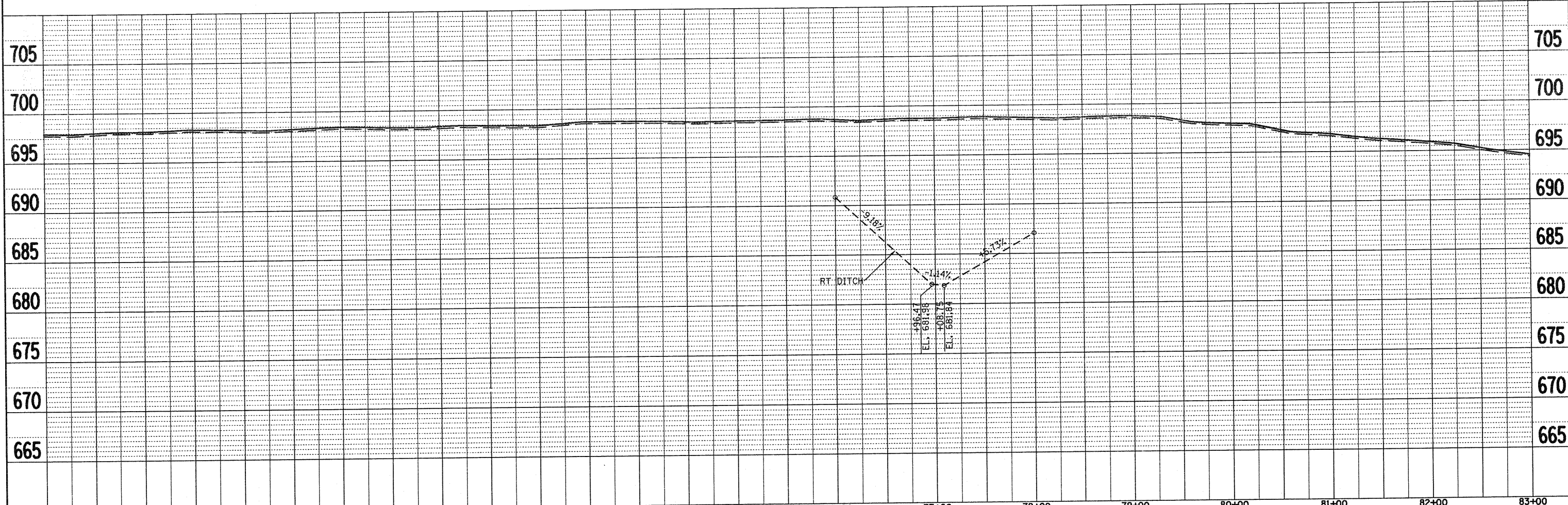
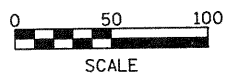
PROFILE SURVEYED \_\_\_\_\_ DATE \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 GRADES CHECKED \_\_\_\_\_  
 STRUCTURE NOTATIONS CHKD \_\_\_\_\_  
 NO. \_\_\_\_\_



STA. 76+97.03  
 48.96' RT  
 D.S. INV. = 681.61  
 (1 FOOT ABOVE EXIST. APRON)

PIPE CULVERT, CLASS A, TYPE 3  
 36" - 15 FT

STA. 77+08.75, 68.92' RT  
 PRECAST REINF. CONC.  
 FLARED END SECTION 36"  
 USFL = 681.84

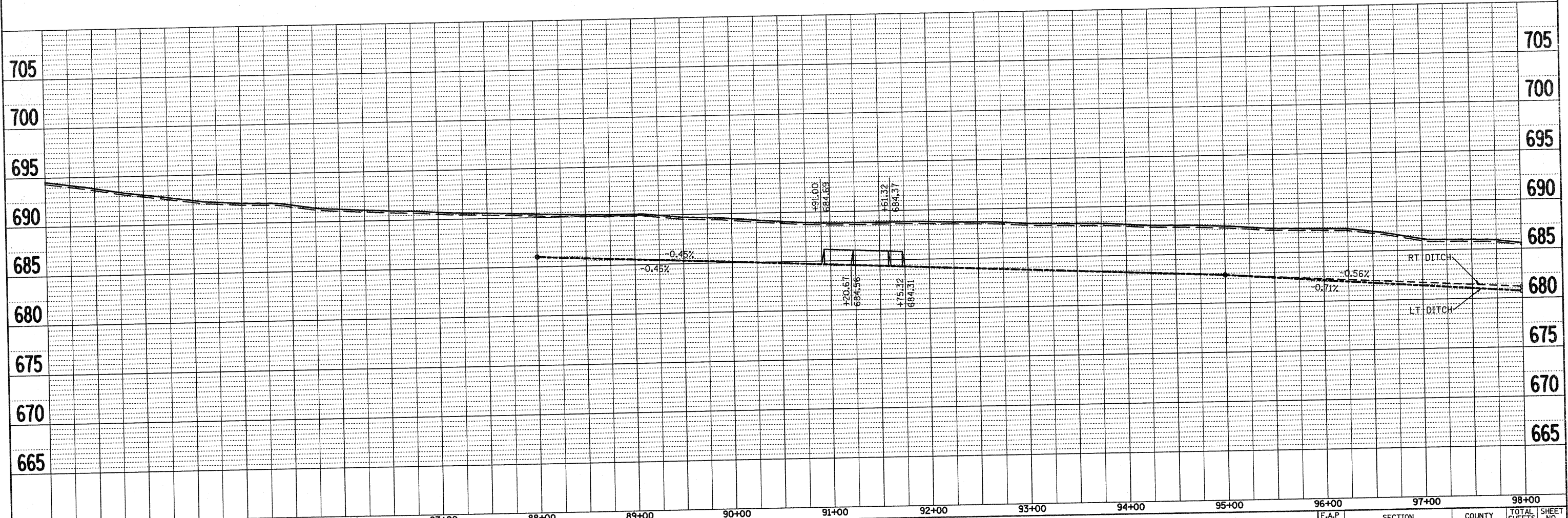
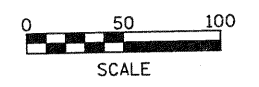
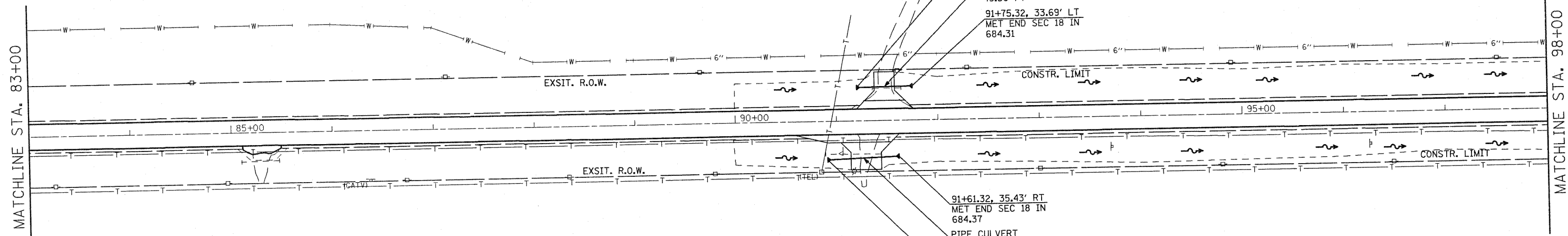


FILE NAME = plan01.dgn	USER NAME = horstkj	DESIGNED - DRAWN - JGJ	REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE &amp; UTILITIES</b>	F.A.P. RTE. 317	SECTION 15W-2,RS-3;16W-3,RS-5	COUNTY FULTON	TOTAL SHEETS 171	SHEET NO. 72	
PLOT SCALE = 100.0000' / IN.	CHECKED - KJH	REVISED -	SCALE:			SHEET NO. 4 OF 14 SHEETS	STA. 68+00 TO STA. 83+00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 88098	
PLOT DATE = 8/10/2010	DATE -	REVISED -									



PLAN  
 BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 DESIGNED: \_\_\_\_\_  
 DRAWN: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 DATE: \_\_\_\_\_

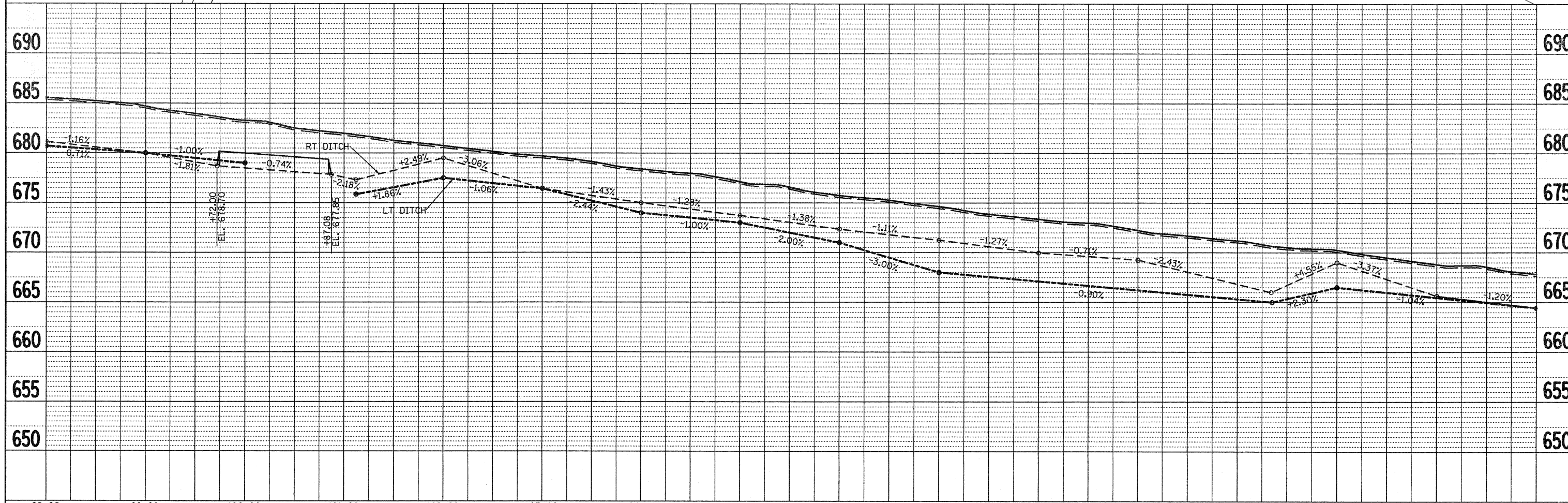
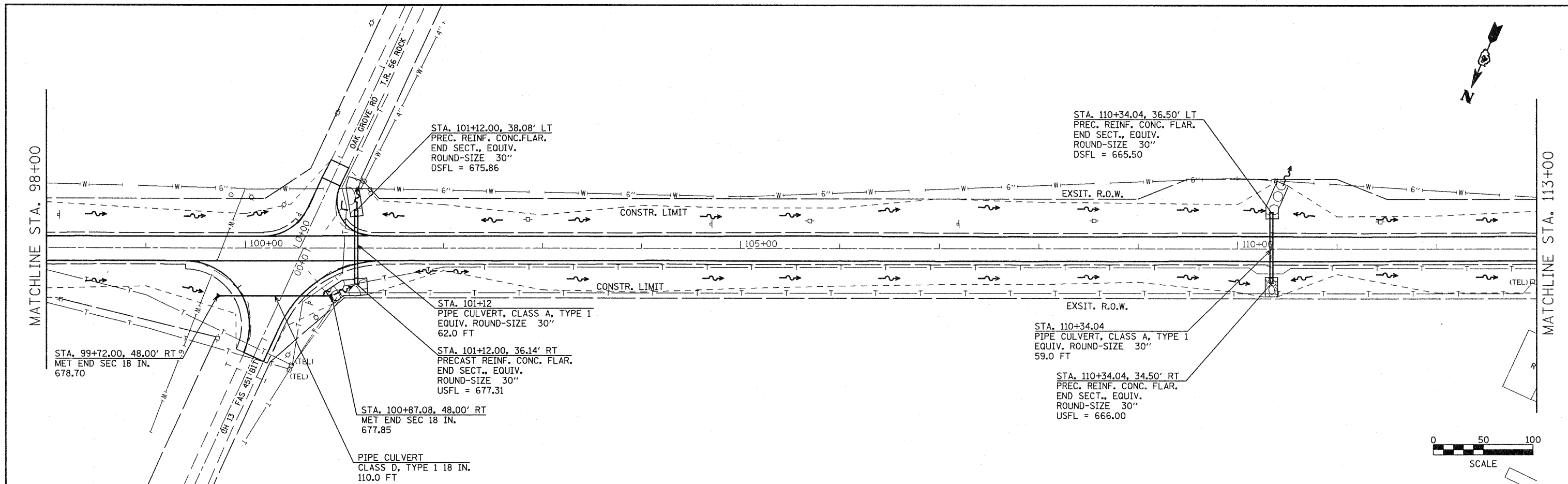
PROFILE  
 BY: \_\_\_\_\_ DATE: \_\_\_\_\_  
 DESIGNED: \_\_\_\_\_  
 DRAWN: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 DATE: \_\_\_\_\_



83+00	84+00	85+00	86+00	87+00	88+00	89+00	90+00	91+00	92+00	93+00	94+00	95+00	96+00	97+00	98+00				
FILE NAME = plan81.dgn USER NAME = horstkj DESIGNED - DRAWN - JGJ CHECKED - KJH DATE - PLOT SCALE = 100.0000' / IN. PLOT DATE = 8/10/2010										DESIGNED - REVISIONS - REVISIONS - REVISIONS - REVISIONS -		<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>			<b>DRAINAGE &amp; UTILITIES</b>			F.A.P. RTE. 317 SECTION 15W-2,RS-3;16W-3,RS-5 COUNTY FULTON TOTAL SHEETS 171 SHEET NO. 73 CONTRACT NO. 88098	
SCALE:										SHEET NO. 5 OF 14 SHEETS		STA. 83+00 TO STA. 98+00		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT					

DATE	
BY	
PLAN	
NO. OF WAY CHECKED	
NO. OF ROAD CHECKED	
NO. OF UTILITY CHECKED	
NO. OF DRAINAGE CHECKED	
NO. OF STRUCTURE CHECKED	
NO. OF ELEVATION CHECKED	
NO. OF CROSS SECTION CHECKED	
NO. OF PROFILE CHECKED	
NO. OF PLAN CHECKED	
NO. OF UTILITY CHECKED	
NO. OF DRAINAGE CHECKED	
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NO. OF CROSS SECTION CHECKED	
NO. OF PROFILE CHECKED	
NO. OF PLAN CHECKED	

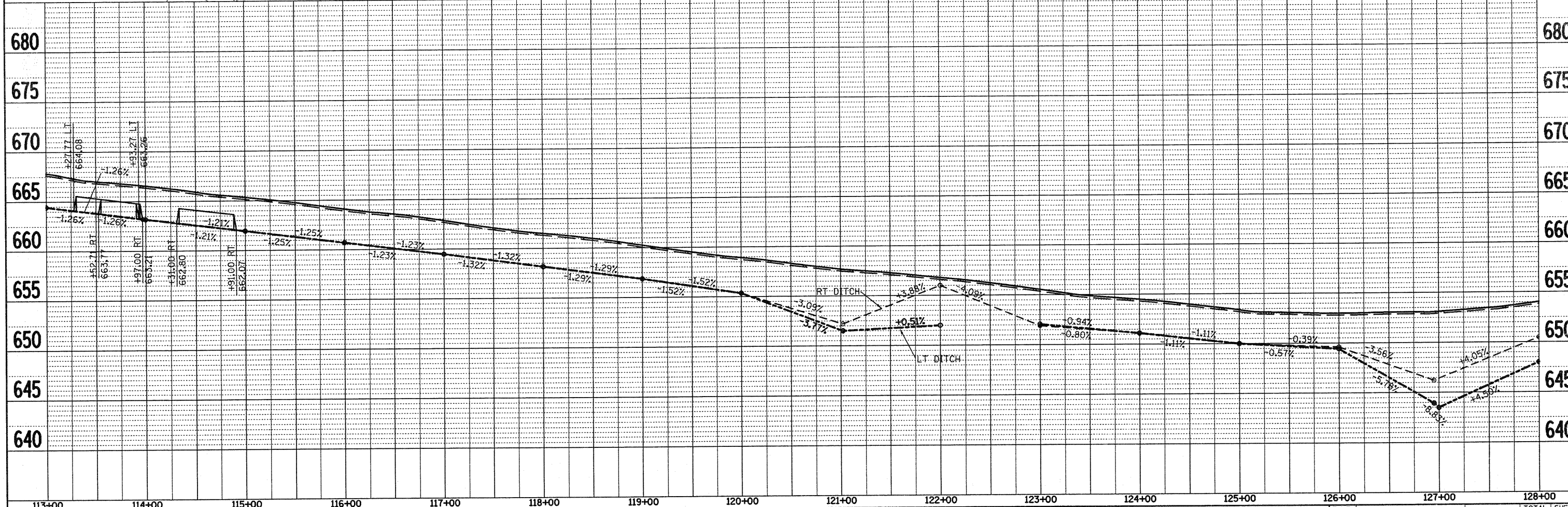
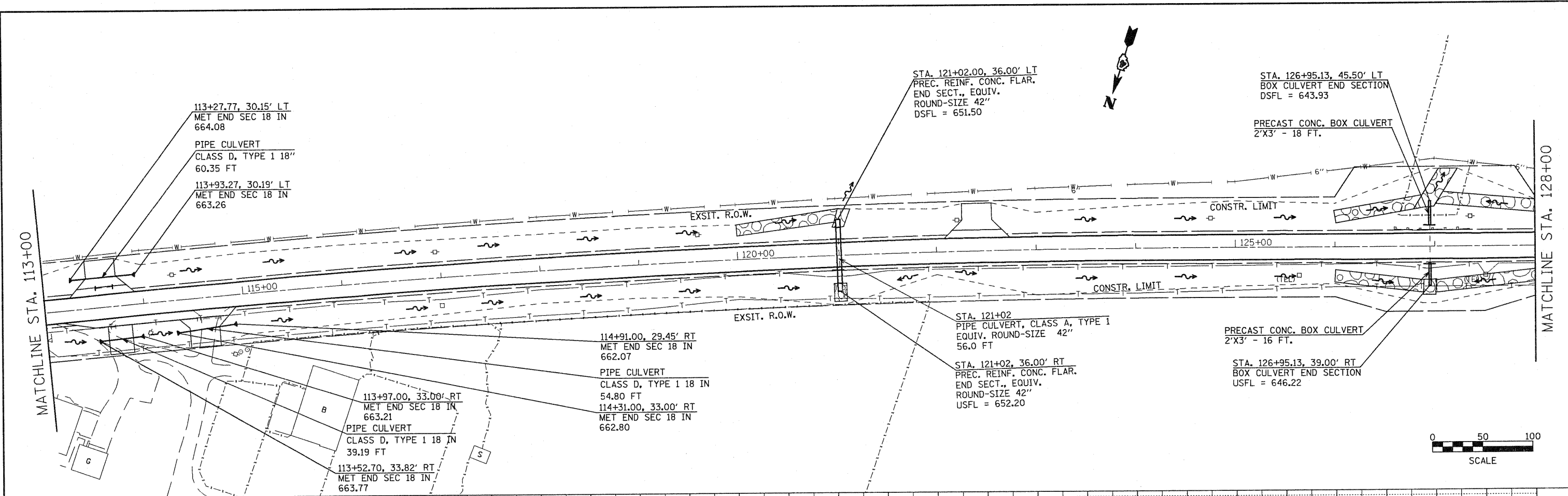
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BY	
PROFILE	
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NO. OF ELEVATION CHECKED	
NO. OF CROSS SECTION CHECKED	
NO. OF PROFILE CHECKED	
NO. OF PLAN CHECKED	



FILE NAME = plan.dgn	USER NAME = horstkj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE &amp; UTILITIES</b>	F.A.P. RTE. 317	SECTION 15W-2,RS-3;16W-3,RS-5	COUNTY FULLTON	TOTAL SHEETS 171	SHEET NO. 74	CONTRACT NO. 88098	
	PLOT SCALE = 1/8" = 100' / IN.	DRAWN - JGJ	REVISED -			SCALE:	SHEET NO. 6 OF 14 SHEETS	STA. 98+00	TO STA. 113+00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	
	PLOT DATE = 8/18/2018	CHECKED - KJH	REVISED -									
		DATE -	REVISED -									

DATE	
BY	
REVIEWED	
PLANNED	
NOTED	
NO.	
PAID FILE NAME	

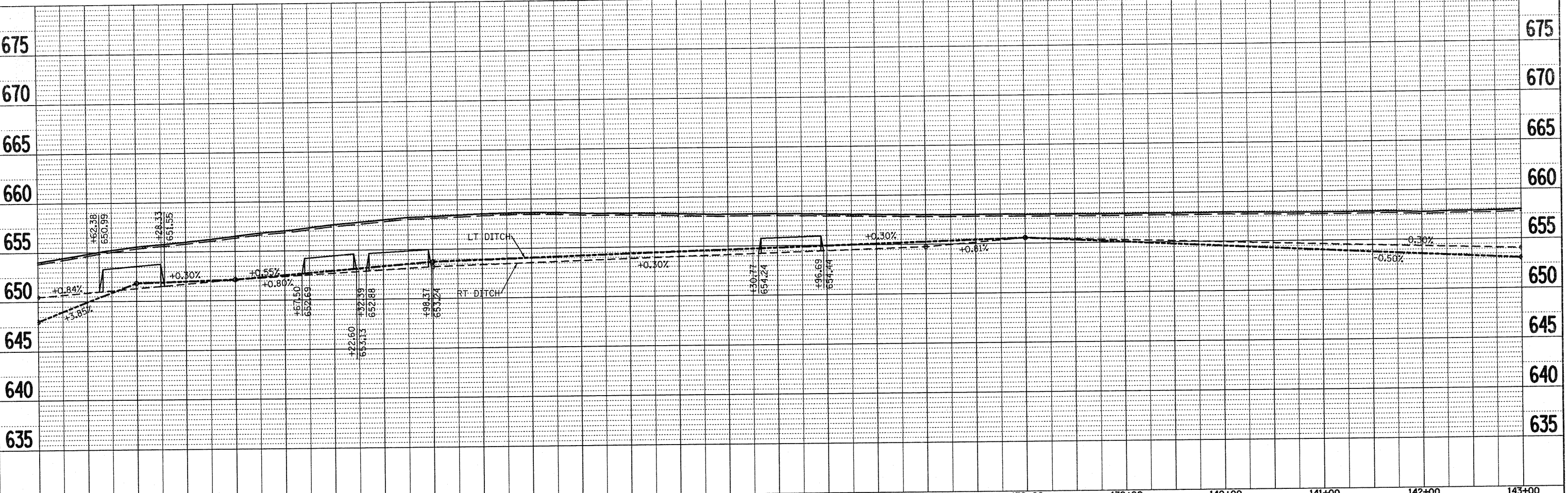
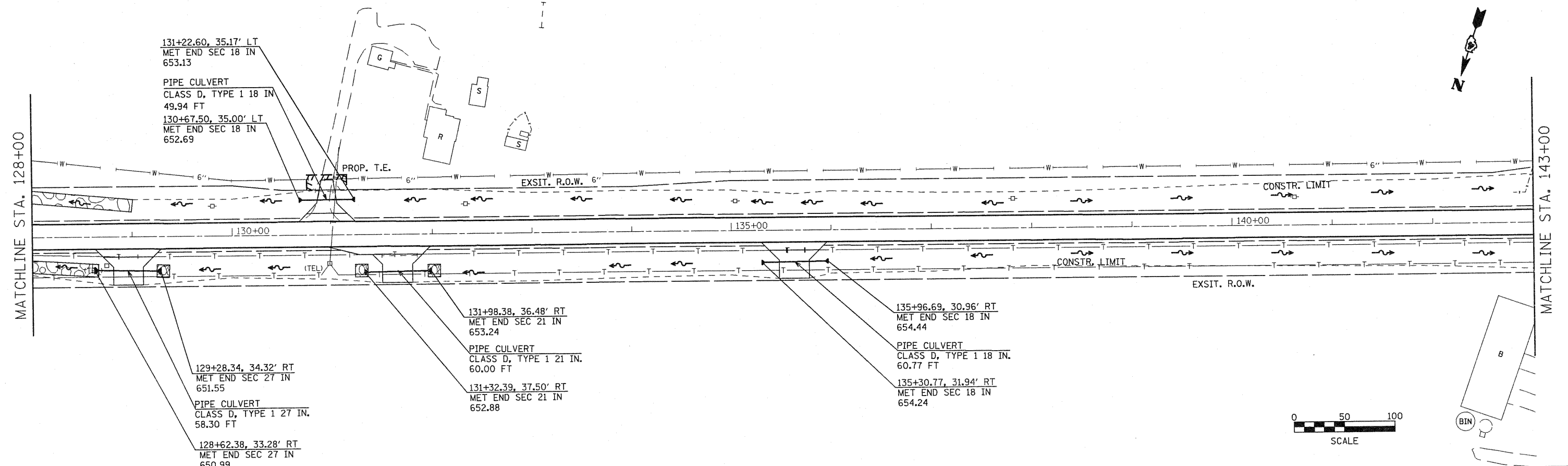
DATE	
BY	
REVIEWED	
PLANNED	
NOTED	
NO.	
STRUCTURE NOTATION CHFD	



FILE NAME = plan01.dgn	USER NAME = horstkj	DESIGNED - DRAWN - JGJ CHECKED - KJH DATE -	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>		<b>DRAINAGE &amp; UTILITIES</b>		F.A.P. RTE. 317	SECTION 15W-2_RS-3;16W-3_RS-5	COUNTY FULTON	TOTAL SHEETS 171	SHEET NO. 75
PLOT SCALE = 1/8" = 100' / IN. PLOT DATE = 8/10/2010				SCALE: 1" = 100'		SHEET NO. 7 OF 14 SHEETS		STA. 113+00 TO STA. 128+00		CONTRACT NO. 88098 ILLINOIS FED. AID PROJECT		

DATE	
BY	
REVISED	
ALIGNED	
CHECKED	
RT. OF WAY	
CHECKED	
NOTE BOOK	
NO.	
CADD FILE NAME	

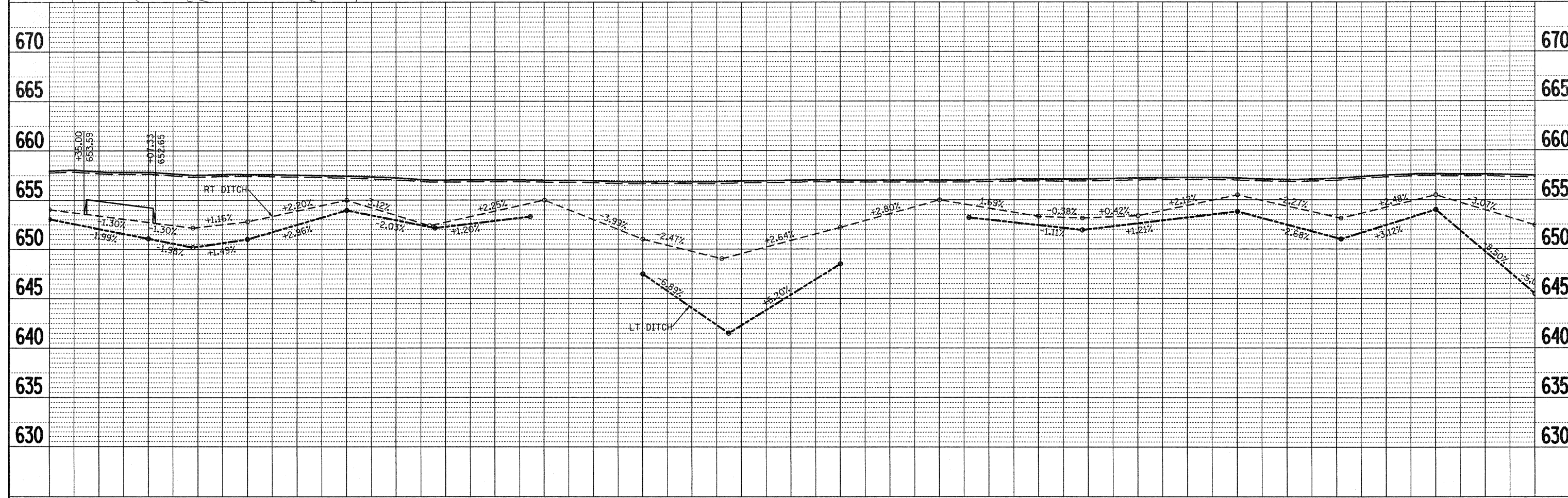
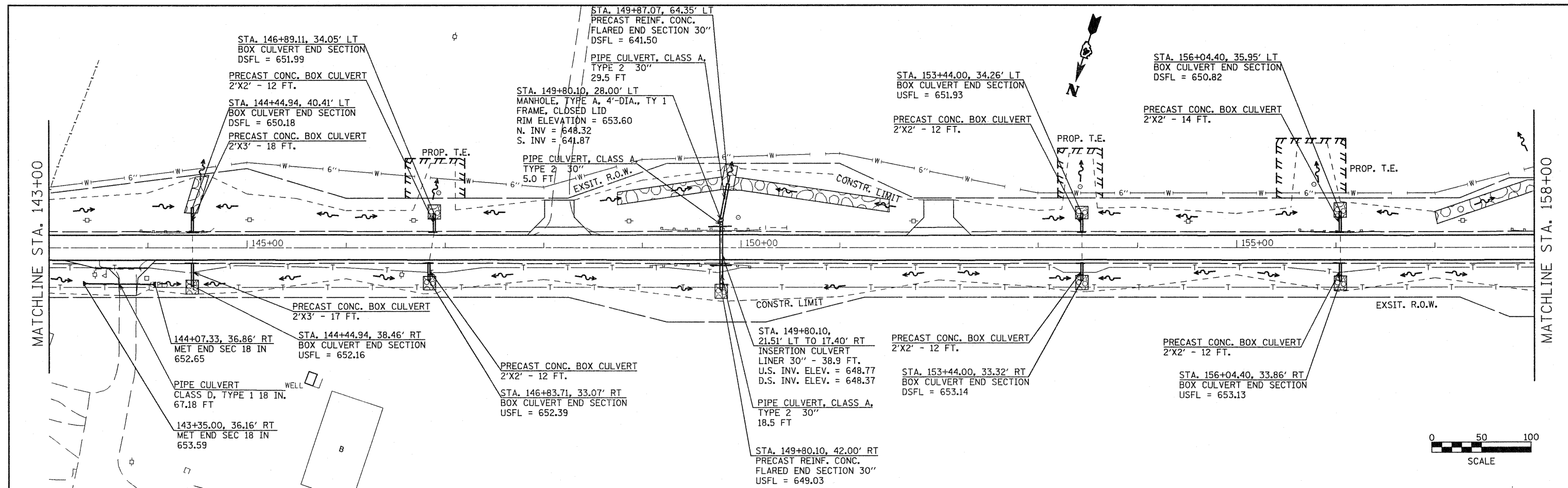
DATE	
BY	
REVISED	
PLOTTED	
CHECKED	
STRUCTURE	
NOTATION	
CHKD	
NO.	



FILE NAME = plan01.dgn	USER NAME = horst.kj	DESIGNED - DRAWN - JGJ CHECKED - KJH DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRAINAGE & UTILITIES	F.A.P. RITE 31T	SECTION 15W-2,RS-316W-3,RS-5	COUNTY FULTON	TOTAL SHEETS 171	SHEET NO. 76	CONTRACT NO. 88098
PLOT SCALE = 1/8" = 100' / 1"				SHEET NO. 8 OF 14 SHEETS		STA. 128+00 TO STA. 143+00		ILLINOIS FED. AID PROJECT			

DATE	
BY	
SURVEYED	
ALIGNED	
CHECKED	
NO. OF W.Y. CHECKED	
ROAD FILE NAME	
PLAN	
NOTE BOOK	
NO.	

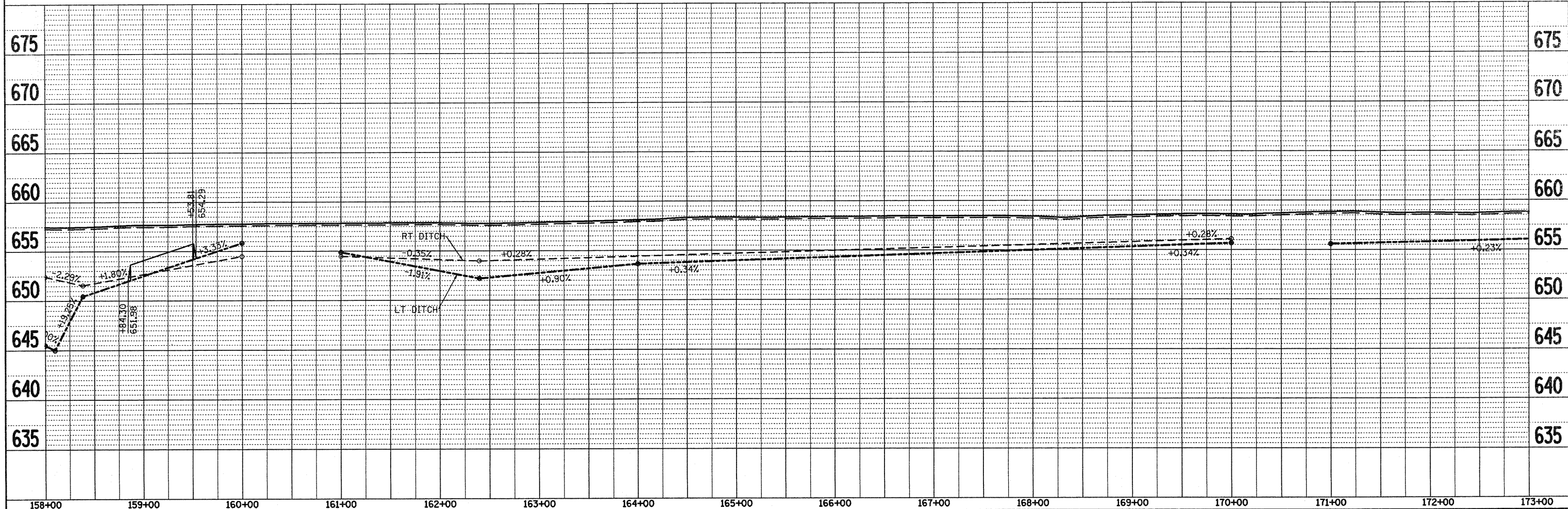
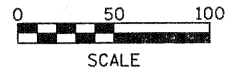
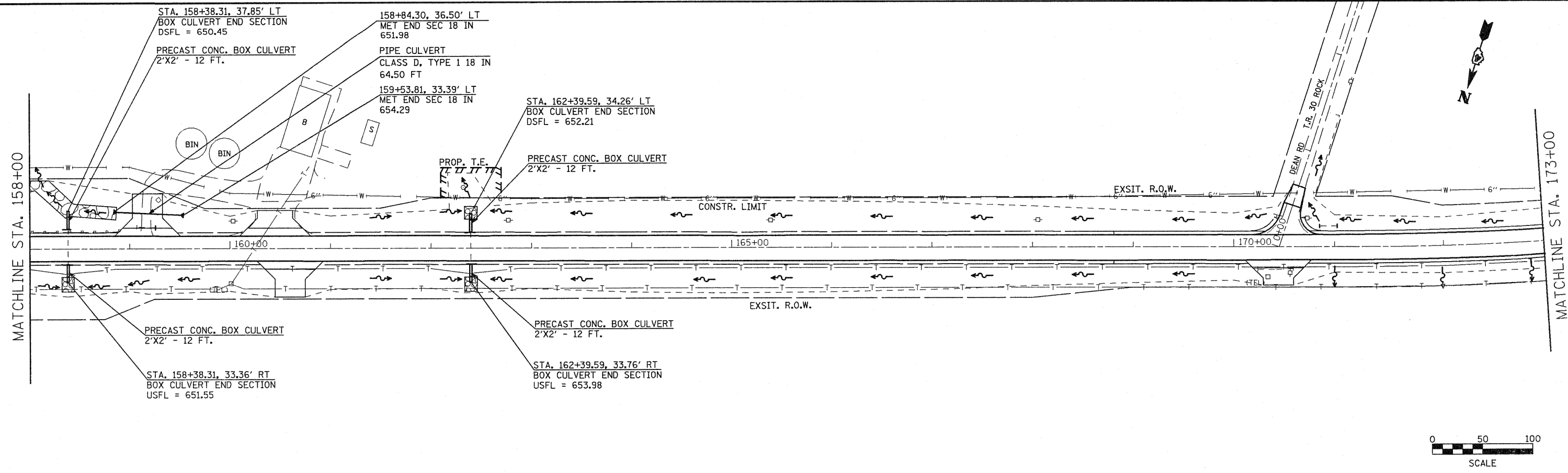
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BY	
SURVEYED	
GRADES CHECKED	
B.M. NOTED	
STRUCTURE NOTATIONS GRPD	
PROFILE	
NOTE BOOK	
NO.	



143+00	144+00	145+00	146+00	147+00	148+00	149+00	150+00	151+00	152+00	153+00	154+00	155+00	156+00	157+00	158+00
FILE NAME =	USER NAME = horstkj	DESIGNED -	REVISED -	STATE OF ILLINOIS		DRAINAGE & UTILITIES		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.			
plan01.dgn		DRAWN - JGJ	REVISED -	DEPARTMENT OF TRANSPORTATION				317	15W-2,RS-3;16W-3,RS-5	FULTON	171	77	CONTRACT NO. 88098		
		CHECKED - KJH	REVISED -					SCALE:	SHEET NO. 9 OF 14 SHEETS	STA. 143+00 TO STA. 158+00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
		DATE -	REVISED -												

PLAN	SUBMITTED	DATE
	PLOTTED	
	NOTED	
	BY	
	NO.	

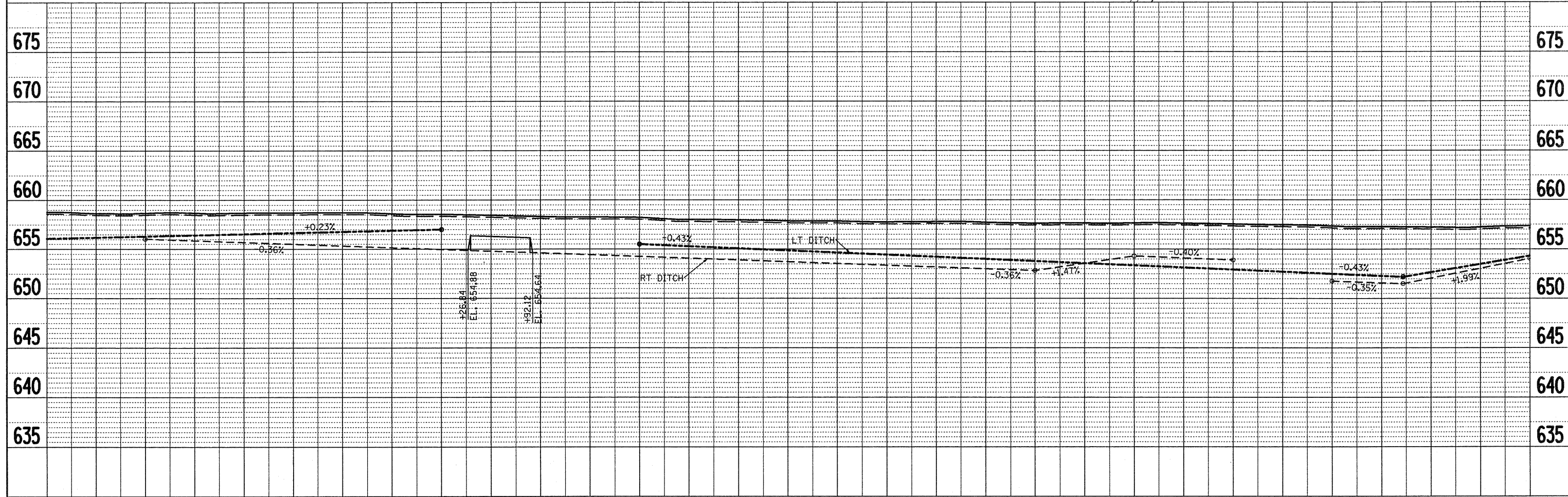
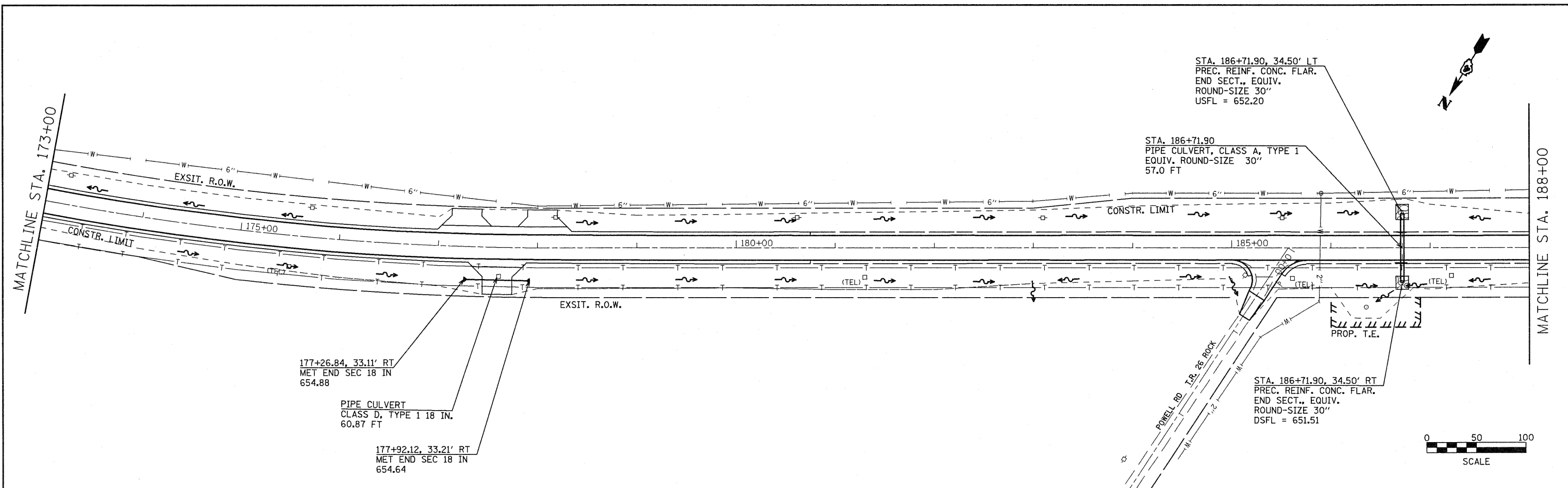
PROFILE	SUBMITTED	DATE
	PLOTTED	
	NOTED	
	BY	
	NO.	



FILE NAME = plan01.dgn	USER NAME = horstkj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE &amp; UTILITIES</b>	F.A.P. RTE. 317	SECTION 15W-2,RS-3;16W-3,RS-5	COUNTY FULTON	TOTAL SHEETS 171	SHEET NO. 78	
	PLAT SCALE = 1/8" = 100.0000' / IN.	DRAWN - JGJ	REVISED -			SCALE:	SHEET NO. 10 OF 14 SHEETS	STA. 158+00	TO STA. 173+00	CONTRACT NO. 88098	
	PLAT DATE = 8/18/2018	CHECKED - KJH	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
		DATE -	REVISED -								

DATE	
BY	
SURVEYED	
PLOTTED	
CHECKED	
NO. OF WAY CHECKED	
NOTE BOOK	
NO.	
CADD FILE NAME	

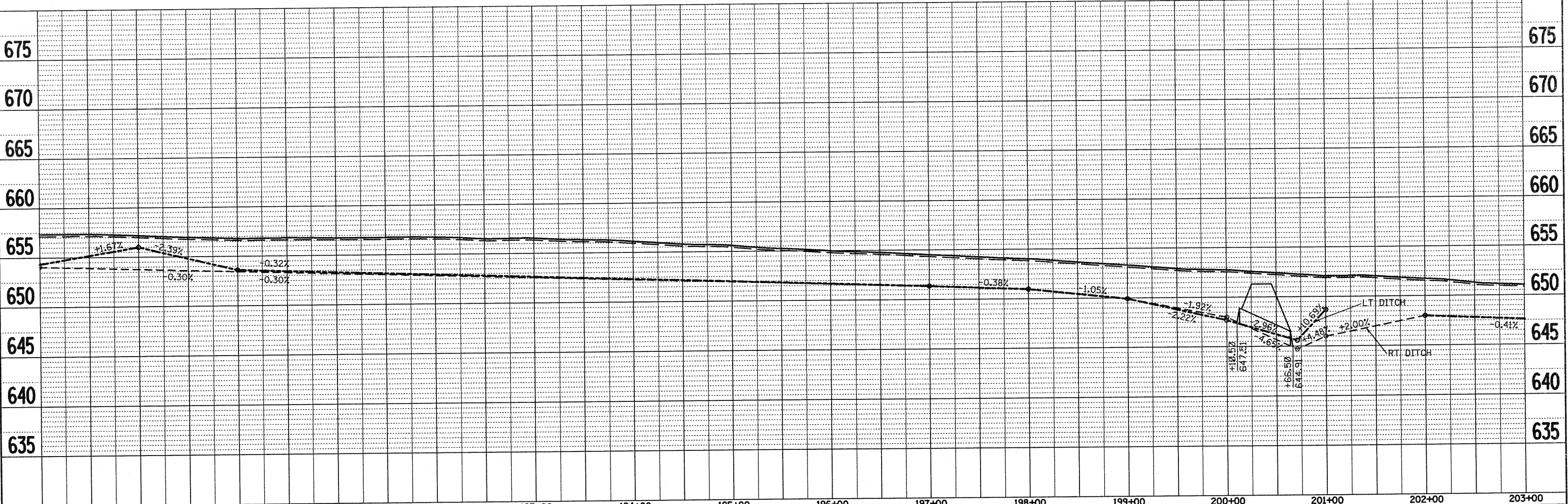
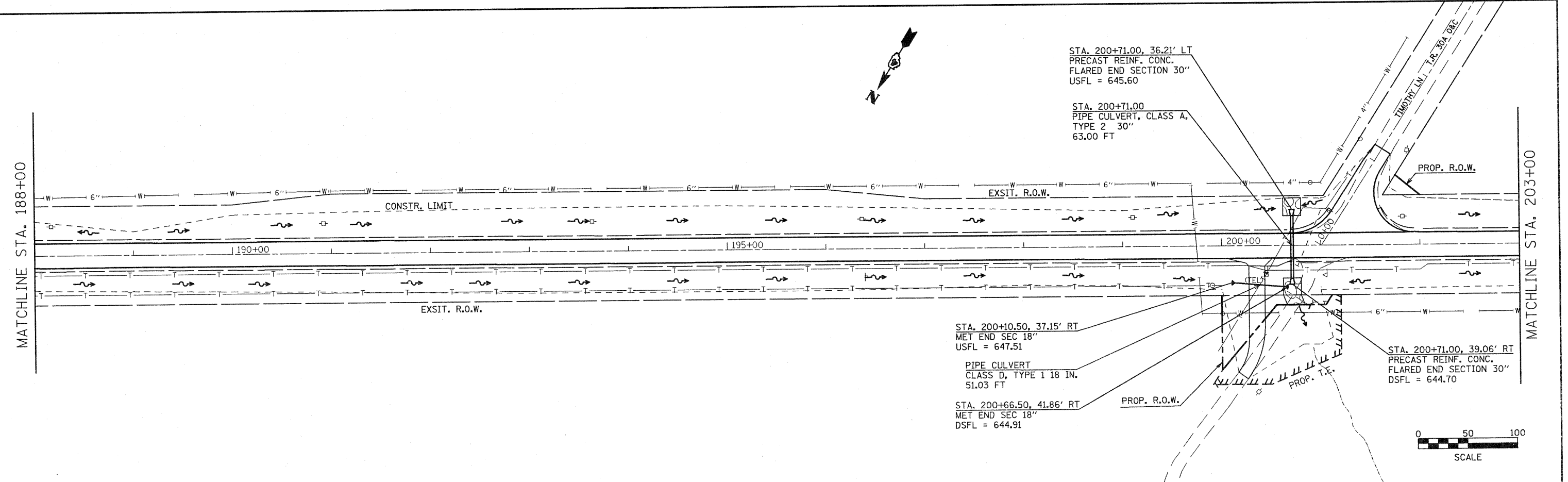
DATE	
BY	
SURVEYED	
PLOTTED	
CHECKED	
NO. OF WAY CHECKED	
NOTE BOOK	
NO.	
STRUCTURE NOTATION CRD	



FILE NAME = plan81.dgn	USER NAME = horstkj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE &amp; UTILITIES</b>	F.A.P. RTE. 317	SECTION 15W-2,RS-3;16W-3,RS-5	COUNTY FULTON	TOTAL SHEETS 171	SHEET NO. 79	
PLOT SCALE = 100.0000' / IN.	DATE	DRAWN - JGJ	REVISED -			SCALE:	SHEET NO. 11 OF 14 SHEETS	STA. 173+00	TO STA. 188+00	CONTRACT NO. 88098	
PLOT DATE = 8/18/2018		CHECKED - KJH	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
		DATE	REVISED -								

PLAN	SURVEYED	DATE
	PLOTTED	
	CHECKED	
	BY	
	NO.	
	DATE	

PROFILE	DESIGNED	DATE
	DRAWN	
	CHECKED	
	BY	
	NO.	
	DATE	



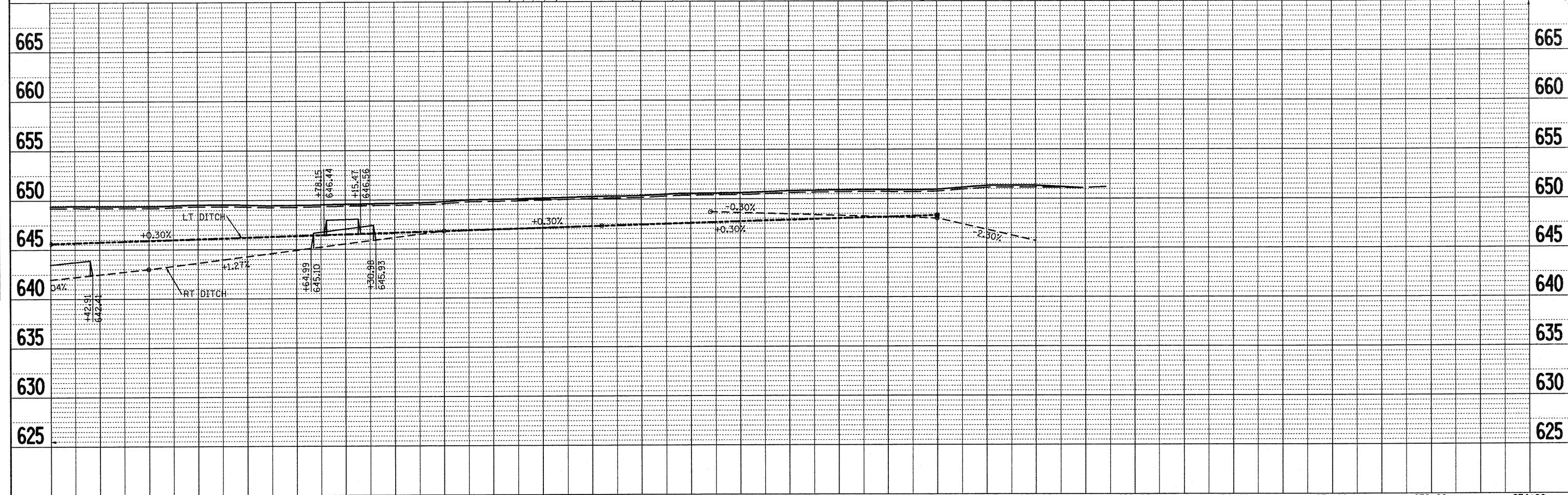
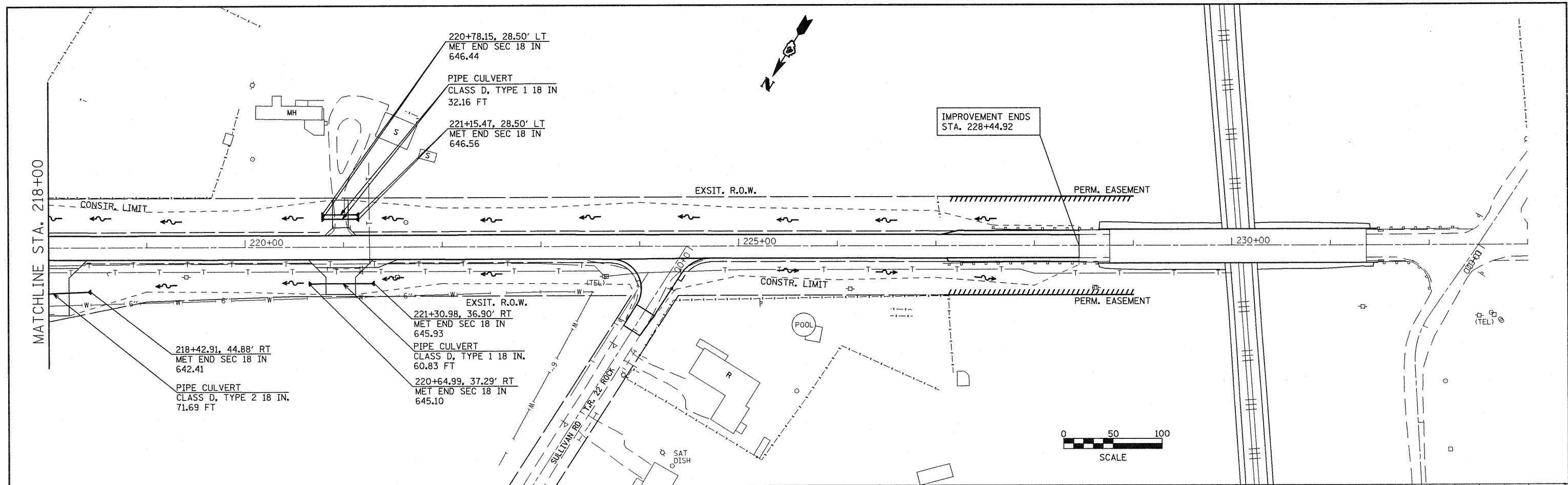
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PLOT SCALE = 1/8" = 100'-0"	CHECKED - KJH	DRAWN - JGJ	REVISED -			CONTRACT NO. 88098					
PLOT DATE = 8/10/2010	DATE -	CHECKED - KJH	REVISED -			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT				
		DATE -	REVISED -								





PLAN	SURVEYED	DATE
	ALIGNED	
	CHECKED	
	BY	
	NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	GRADES	
	NOTED	
	BY	
	NO.	
	FILE NAME	

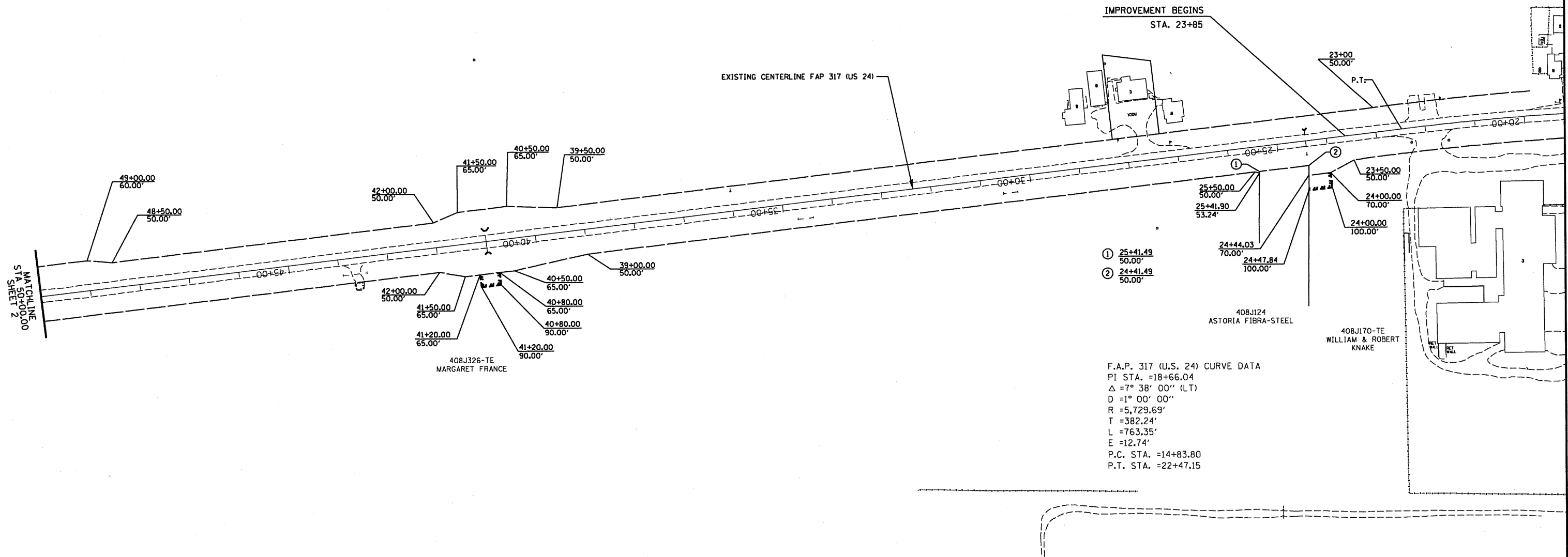


FILE NAME = plan01.dgn	USER NAME = horstj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DRAINAGE &amp; UTILITIES</b>	F.A.P. RTE. 317	SECTION 15W-2,RS-3;16W-3,RS-5	COUNTY FULTON	TOTAL SHEETS 177	SHEET NO. 82	
	PLOT SCALE = 100.0000' / IN.	DRAWN - JGJ	REVISED -			SCALE:	SHEET NO. 14 OF 14 SHEETS	STA. 218+00	TO STA. 234+00	CONTRACT NO. 88098	
	PLOT DATE = 8/18/2018	CHECKED - KJH	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
		DATE -	REVISED -								

LEGEND

- PROPOSED R.O.W. -----
- EXISTING R.O.W. - - - - -
- PROPOSED TEMPORARY EASEMENT \*\*\*\*\*
- EXISTING PERMANENT EASEMENT //////////////

T 3 N R 1 E 4th P.M.



F.A.P. 317 (U.S. 24) CURVE DATA  
 PI STA. =18+66.04  
 $\Delta$  =7° 38' 00" (LT)  
 D =1° 00' 00"  
 R =5,729.69'  
 T =382.24'  
 L =763.35'  
 E =12.74'  
 P.C. STA. =14+83.80  
 P.T. STA. =22+47.15

FILE NAME  
 JOBROW.GPK  
 24WROW.IPF  
 US24SW\_OF\_ASTORIA\_TO\_ASTORIA.M32

USER NAME = ROBERT STICKELMAIER  
 PLOT SCALE = 1" = 100'  
 PLOT DATE = 05-22-2009

DESIGNED - PCF  
 DRAWN - RTS  
 CHECKED - PCF  
 DATE - 05-22-2009

REVISED -  
 REVISED -  
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 REVISED -

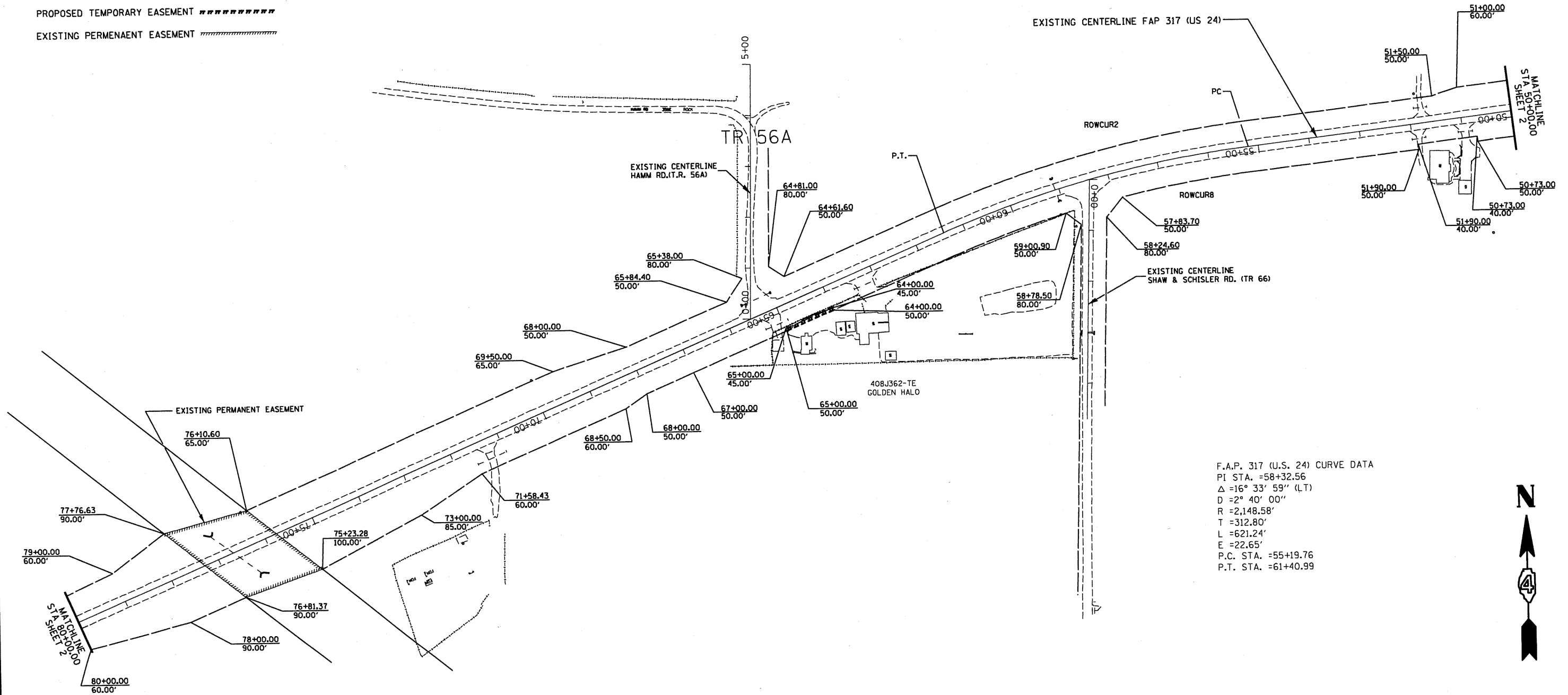
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLANS  
 PROJECT 24\_88098  
 SHEET NO. 1 OF 7 SHEETS  
 JOB NO. R-94-008-93  
 STA. 20+00.00 TO STA. 50+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	15W-2, RS-3; 16W-3, RS-5	FULTON	171	83
CONTRACT NO. 88098				
SCALE: 1" = 100'				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

LEGEND

- PROPOSED R.O.W.
- EXISTING R.O.W.
- PROPOSED TEMPORARY EASEMENT
- EXISTING PERMANENT EASEMENT



F.A.P. 317 (U.S. 24) CURVE DATA  
 PI STA. =58+32.56  
 $\Delta$  =16° 33' 59" (LT)  
 D =2° 40' 00"  
 R =2,148.58'  
 T =312.80'  
 L =621.24'  
 E =22.65'  
 P.C. STA. =55+19.76  
 P.T. STA. =61+40.99



FILE NAME JOBROW.GPK 24MROW.LPF US24SW_OF_ASTORIA_TO_ASTORIA.M32	USER NAME = ROBERT STICKELMAIER	DESIGNED - PCF	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>RIGHT OF WAY PLANS</b>		F.A.P. RTE. 317	SECTION 15W-2, RS-3; 16W-3, RS-5	COUNTY FULTON	TOTAL SHEETS 171	SHEET NO. 84
		DRAWN - RTS CHECKED - PCF DATE - 05-22-2009	REVISED - REVISED - REVISED -		PROJECT 24.88098 SHEET NO. 2 OF 7 SHEETS	JOB NO. R-94-009-93 STA. TO STA.	CONTRACT NO. 88098 FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

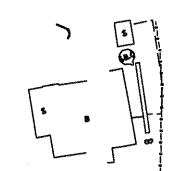
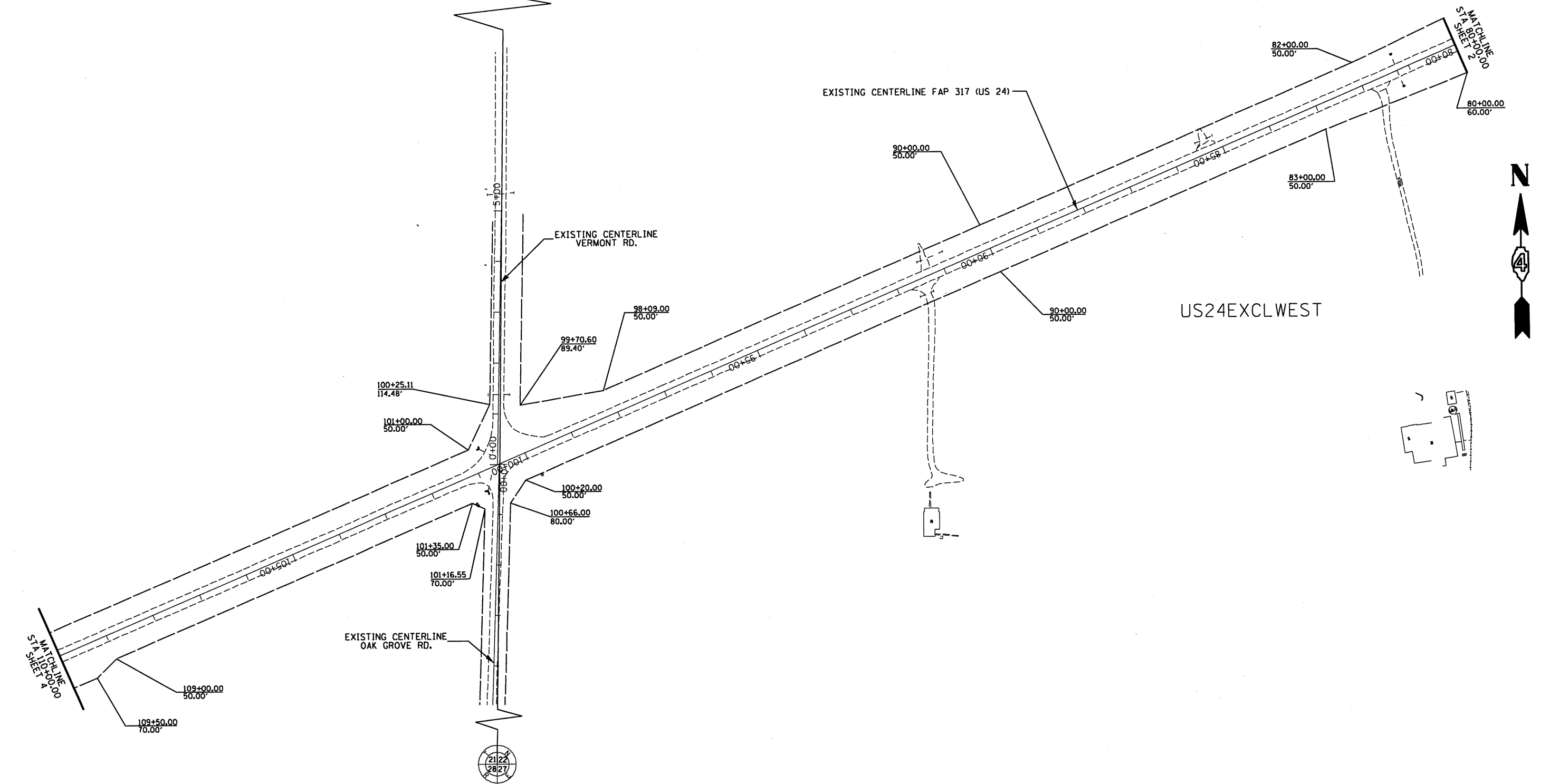
LEGEND

- PROPOSED R.O.W. -----
- EXISTING R.O.W. - - - - -
- PROPOSED TEMPORARY EASEMENT .....
- EXISTING PERMANENT EASEMENT .....

NORTHEAST CORNER OF THE  
SOUTHEAST QUARTER SECTION 21

T 3 N R 1 E 4th P.M.

EAST LINE OF THE SOUTHEAST  
QUARTER SECTION 21



FILE NAME JOBROW.GPK 24RROW.IPF US24SW.DF.ASTORIA.TD.ASTORIA.M32	USER NAME = STICKELMAIER PLOT SCALE = 1" = 100' PLOT DATE = 05-26-2009	DESIGNED - PCF	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RIGHT OF WAY PLANS</b>		F.A.P. RTE. 317	SECTION 15W-2, RS-3; 16W-3, RS-5	COUNTY FULTON	TOTAL SHEETS 177	SHEET NO. 85
		DRAWN - RTS	REVISED -		PROJECT 24-88098      JOB NO. R-94-008-93		SHEET NO. 3 OF 7 SHEETS      STA.      TO STA.		CONTRACT NO. 88098		
		CHECKED - PCF	REVISED -			SCALE: 1" = 100'		FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT			
		DATE - 05-26-2009	REVISED -								

LEGEND

- PROPOSED R.O.W. -----
- EXISTING R.O.W. - - - - -
- PROPOSED TEMPORARY EASEMENT \*\*\*\*\*
- EXISTING PERMANENT EASEMENT //////////////

T 3 N R 1 E 4th P.M.

NORTHWEST CORNER OF THE  
SOUTHEAST QUARTER  
SECTION 21

WEST LINE OF THE SOUTHEAST  
QUARTER SECTION 21

MATCHLINE  
STA 110+00.00  
SHEET 3



SOUTH LINE OF THE  
SOUTHWEST QUARTER  
SECTION 21

US24EXCLWEST

S 89°38'11" W  
2,608.04'

S 89°37'39" W  
2,608.25'

SOUTHEAST CORNER  
SECTION 21

408J332-TE  
BESSIE, GEORGE &  
BYRON PEMPEK

EAST LINE OF THE NORTHWEST  
QUARTER SECTION 28

F.A.P. 317 (U.S. 24) CURVE DATA  
 PI STA. =119+35.25  
 Δ =5° 15' 39" (RT)  
 D =0° 30' 00"  
 R =11,459.09'  
 T =526.45'  
 L =1,052.16'  
 E =12.09'  
 P.C. STA. =114+08.80  
 P.T. STA. =124+60.96

FILE NAME  
 JOBROW.GPK  
 24MROW.JPF  
 US24SW\_OF\_ASTORIA\_TO\_ASTORIA.M32

USER NAME = STICKELMAIER  
 PLOT SCALE = 1" = 100'  
 PLOT DATE = 05-26-2009

DESIGNED - PCF  
 DRAWN - RTS  
 CHECKED - PCF  
 DATE - 05-26-2009

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

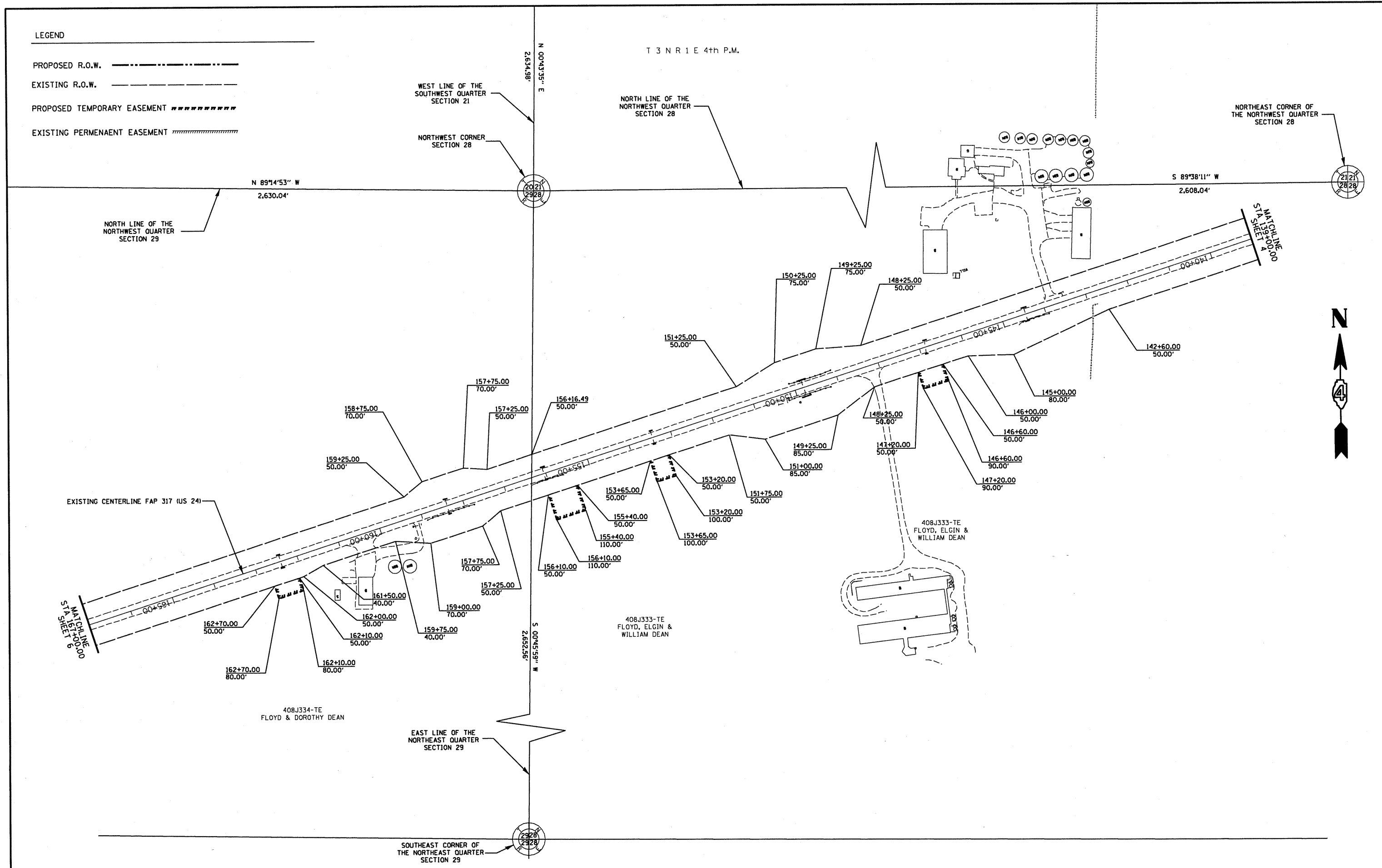
RIGHT OF WAY PLANS

PROJECT 24\_BB098  
 SHEET NO. 4 OF 7 SHEETS  
 JOB NO. R-94-008-93  
 STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	15W-2, RS-3; 16W-3,RS-5	FULTON	171	86
CONTRACT NO. 88098				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

LEGEND

- PROPOSED R.O.W. ————
- EXISTING R.O.W. - - - - -
- PROPOSED TEMPORARY EASEMENT \*\*\*\*\*
- EXISTING PERMANENT EASEMENT //////////////



FILE NAME JOBROW.GPK 24R0W.IPF US24SW_OF_ASTORIA_TO_ASTORIA.M32	USER NAME = STICKELMAIER	DESIGNED - PCF	REVISED -
	PLOT SCALE = 1" = 100'	DRAWN - RTS	REVISED -
	PLOT DATE = 05-26-2009	CHECKED - PCF	REVISED -
		DATE - 05-26-2009	REVISED -

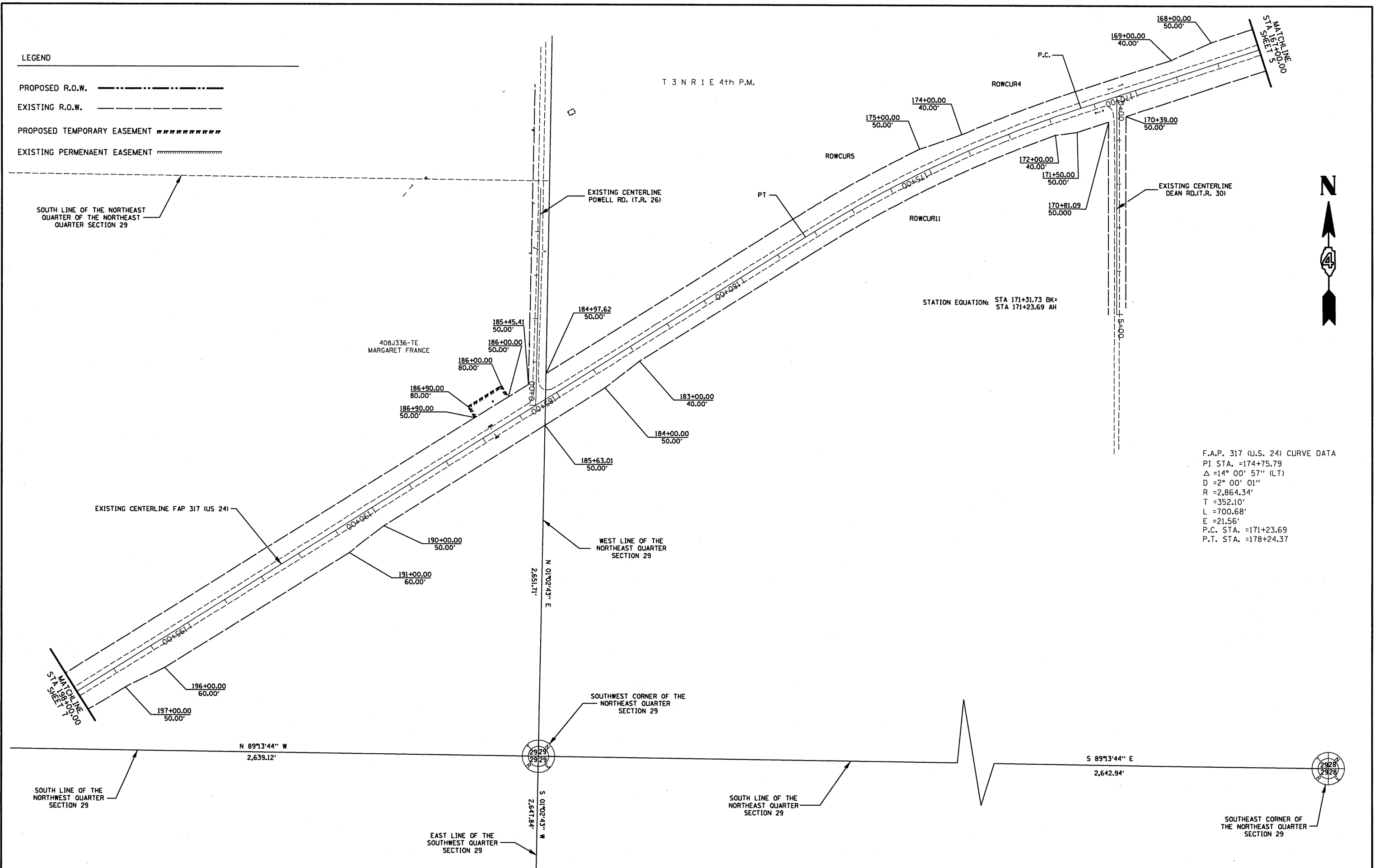
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

RIGHT OF WAY PLANS	
PROJECT 24-88098	JOB NO. R-94-008-93
SHEET NO. 5 OF 7 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	15W-2, RS-3, 16W-3,RS-5	FULTON	171	87
CONTRACT NO. 88098				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

LEGEND

- PROPOSED R.O.W. ————
- EXISTING R.O.W. - - - - -
- PROPOSED TEMPORARY EASEMENT ~~~~~~
- EXISTING PERMANENT EASEMENT //////////////



STATION EQUATION: STA 171+31.73 BK= STA 171+23.69 AH

F.A.P. 317 (U.S. 24) CURVE DATA  
 PI STA. =174+75.79  
 Δ =14° 00' 57" (LT)  
 D =2° 00' 01"  
 R =2,864.34'  
 T =352.10'  
 L =700.68'  
 E =21.56'  
 P.C. STA. =171+23.69  
 P.T. STA. =178+24.37

FILE NAME JOBROW.GPK 24WROW.JPF US24SW_OF_ASTORIA_TO_ASTORIA.M32	USER NAME = STICKELMAIER	DESIGNED - PCF	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RIGHT OF WAY PLANS</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1" = 100'	DRAWN - RTS	REVISED -		PROJECT 24.88098	JOB NO. R-94-008-93	317	15W-2, RS-3, 16W-3, RS-5	FULTON	171	88
PLOT DATE = 05-26-2009	CHECKED - PCF	DATE - 5-26-2009	REVISED -	SCALE: 1" = 100'	SHEET NO. 6 OF 7 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 88098		



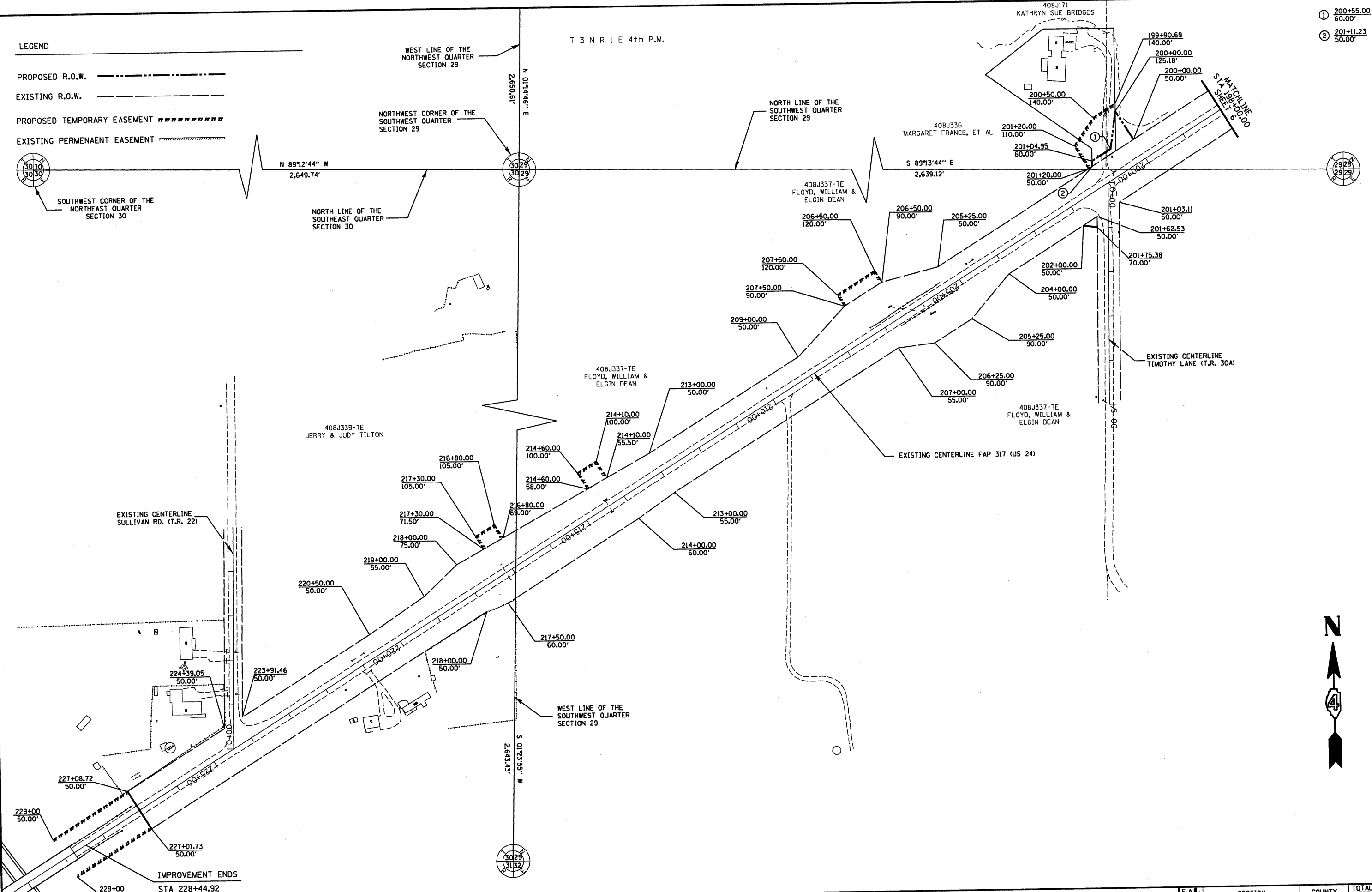
- ① 200+55.00  
60.00'
- ② 201+11.23  
50.00'

LEGEND

- PROPOSED R.O.W. ————
- EXISTING R.O.W. - - - - -
- PROPOSED TEMPORARY EASEMENT ————
- EXISTING PERMANENT EASEMENT ————



T 3 N R 1 E 4th P.M.



FILE NAME  
JOBROW.GPK  
24\FROW.IPF  
US24SW\_OF\_ASTORIA\_TO\_ASTORIA.M32

USER NAME = STICKELMAIER  
PLOT SCALE = 1" = 100'  
PLOT DATE = 05-26-2009

DESIGNED - PCF  
DRAWN - RTS  
CHECKED - PCF  
DATE - 05-26-2009

REVISED -  
REVISED -  
REVISED -  
REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RIGHT OF WAY PLANS	
PROJECT 24.88098	JOB NO. R-94-008-93
SCALE: 1" = 100'	SHEET NO. 7 OF 7 SHEETS
STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	15W-2, RS-3; 16W-3, RS-5	FULTON	171	89
CONTRACT NO. 88098				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

IMPROVEMENT ENDS  
STA 228+44.92

**FAP 317 (US 24) West of  
Astoria- Topsoil Availability**

Sta.	Offset*	Depth**
27+00	30' Lt	4"
27+00	40' Lt	0"
27+00	50' Lt	9"
27+00	27' Rt	6"
30+00	30' Lt	2"
30+00	35' Rt	6"
30+00	45' Rt	4"
40+00	40' Lt	2"
40+00	35' Rt	4"
40+00	45' Rt	8"
43+00	30' Rt	4"
55+00	35' Rt	2"
93+00	33' Lt	2"
93+00	45' Lt	0"
93+00	35' Rt	4"
95+00	35' Lt	0"
95+00	35' Rt	0"
97+00	35' Lt	0"
97+00	45' Lt	0"
97+00	35' Rt	4"
103+00	25' Lt	6"
103+00	25' Rt	6"
103+00	35' Rt	8"
104+00	25' Lt	6"
104+00	35' Lt	6"
104+00	25' Rt	0"
104+00	35' Rt	9"
107+00	40' Lt	4"
107+00	30' Rt	8"
113+00	30' Lt	4"
113+00	30' Rt	10"
115+00	30' Lt	10"
115+00	30' Rt	6"

**FAP 317 (US 24) West of  
Astoria- Topsoil Availability**

Sta.	Offset*	Depth**
117+00	30' Lt	8"
117+00	30' Rt	10"
123+00	30' Lt	9"
123+00	30' Rt	12"
125+00	25' Lt	4"
125+00	35' Lt	10"
125+00	30' Rt	10"
132+00	30' Lt	2"
132+00	30' Rt	10"
135+00	35' Lt	8"
135+00	30' Rt	4"
138+00	25' Lt	0"
138+00	33' Lt	6"
138+00	25' Rt	0"
138+00	35' Rt	6"
142+00	30' Lt	6"
142+00	30' Rt	10"
149+00	50' Lt	0"
149+00	35' Rt	0"
151+00	35' Lt	4"
151+00	35' Rt	8"
164+00	25' Lt	0"
164+00	35' Lt	6"
164+00	25' Rt	0"
164+00	35' Rt	8"
181+00	30' Lt	6"
181+00	30' Rt	9"
191+00	30' Lt	6"
191+00	30' Rt	9"
196+00	25' Lt	0"
196+00	35' Lt	0"
196+00	25' Rt	0"
196+00	35' Rt	8"
202+00	25' Lt	0"
202+00	35' Lt	6"
202+00	25' Rt	0"
202+00	35' Rt	6"

**FAP 317 (US 24) West of  
Astoria- Topsoil Availability**

Sta.	Offset*	Depth**
208+00	25' Lt	0"
208+00	35' Lt	4"
208+00	25' Rt	0"
208+00	35' Rt	4"
215+00	25' Lt	0"
215+00	35' Lt	0"
215+00	25' Rt	0"
215+00	35' Rt	4"
223+00	25' Lt	0"
223+00	35' Lt	10"
223+00	25' Rt	0"
223+00	35' Rt	10"

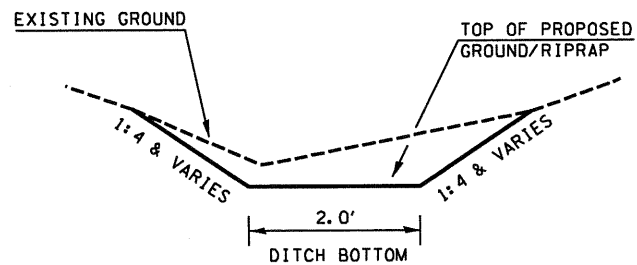
\* Offset from centerline

\*\* Depth represents available topsoil after stripping 2" of vegetation, roots

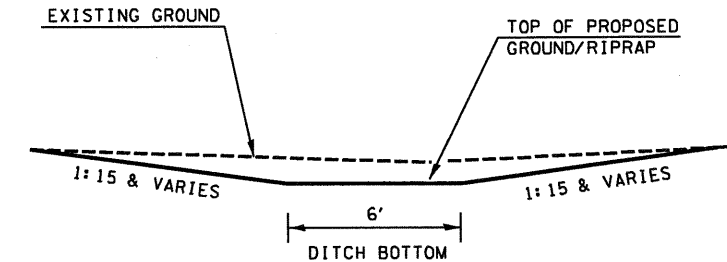
FOR INFORMATION ONLY

FILE NAME = miscellaneous.sheet.dgn	USER NAME = russellm	DESIGNED - KJH	REVISOR -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TOPSOIL SURVEY (FOR INFO ONLY)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN - JGJ	REVISOR -			317	15W-2,RS-3,16W-3,RS-5	FULTON	171	90	
PLOT SCALE = 100.0000' / IN.	CHECKED - KJH	REVISOR -				<b>CONTRACT NO. 88098</b>					
PLOT DATE = 8/10/2010	DATE -	REVISOR -				SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

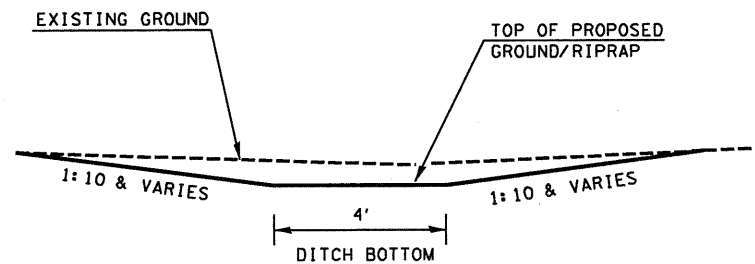
**101+12 DOWNSTREAM DITCH**



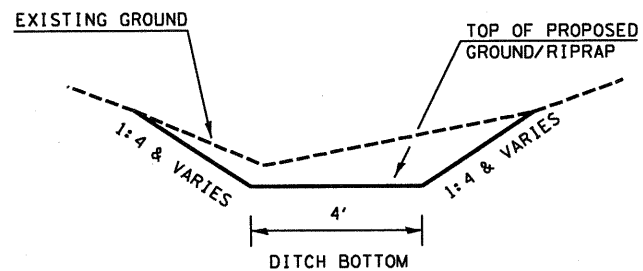
- 24+34 DOWNSTREAM WATERWAY,**
- 146+89.11 DOWNSTREAM WATERWAY,**
- 153+44 DOWNSTREAM WATERWAY,**
- 156+04.40 DOWNSTREAM WATERWAY,**
- 162+39.59 DOWNSTREAM WATERWAY,**
- 186+71.90 DOWNSTREAM WATERWAY**



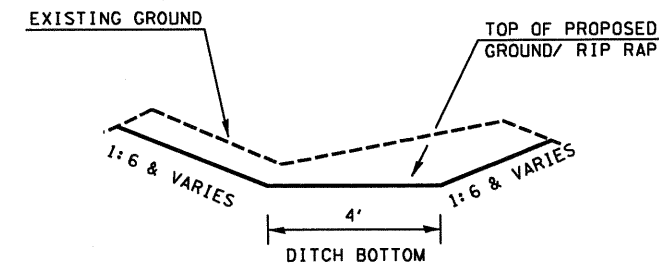
**214+41.35 DOWNSTREAM WATERWAY,  
217+16.61 DOWNSTREAM WATERWAY**



**110+34.04 OUTLET, 149+87.07 OUTLET,  
126+95.13 OUTLET, 144+44.94 OUTLET, 206+73.11 OUTLET**



**41+00 DOWNSTREAM WATERWAY,  
158+38.31 OUTLET,  
200+71 DOWNSTREAM WATERWAY**



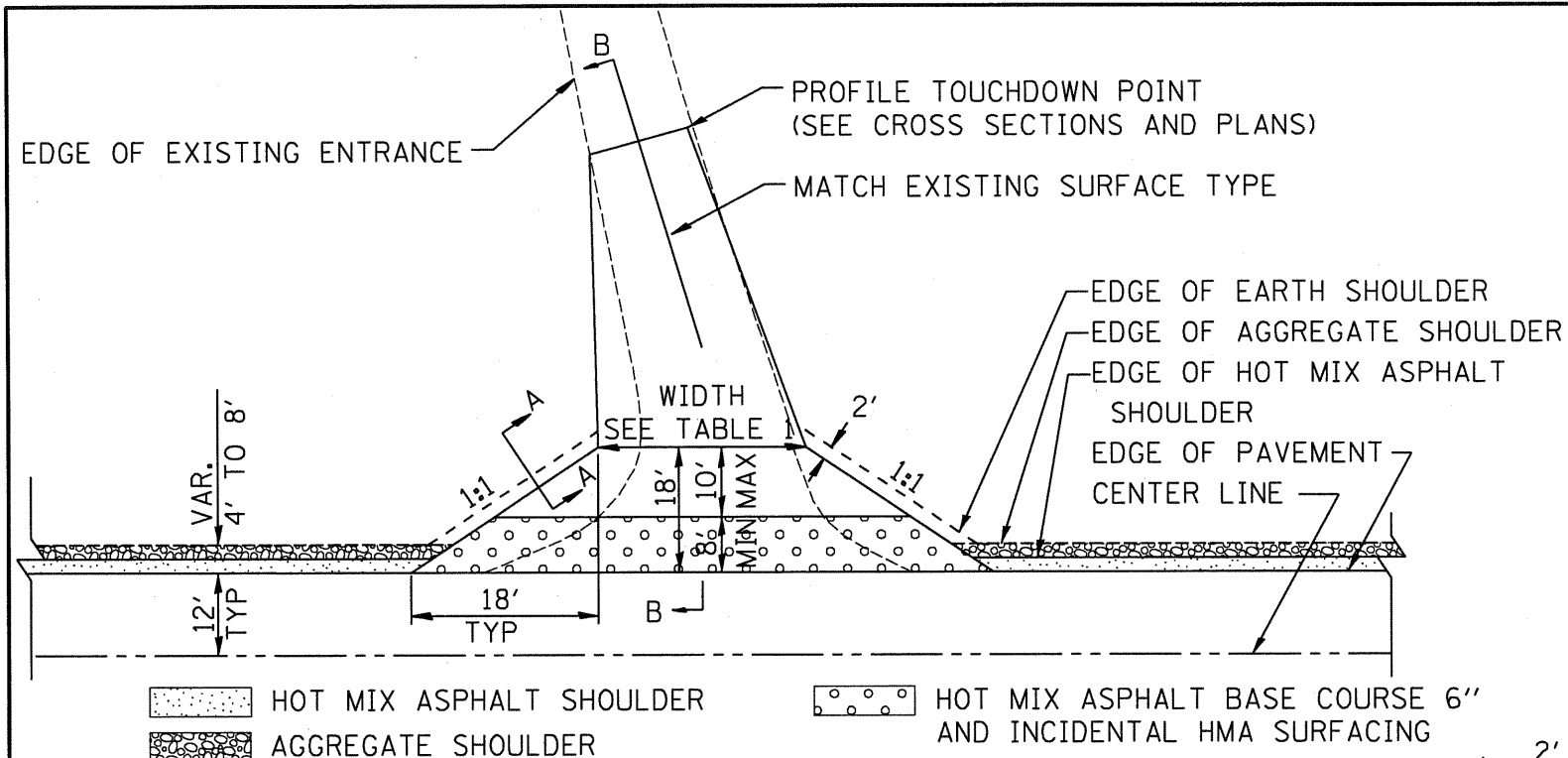
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		DRAWN - JGJ	REVISED -
	PLOT SCALE = 100.0000' / IN.	CHECKED - KJH	REVISED -
	PLOT DATE = 8/18/2010	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

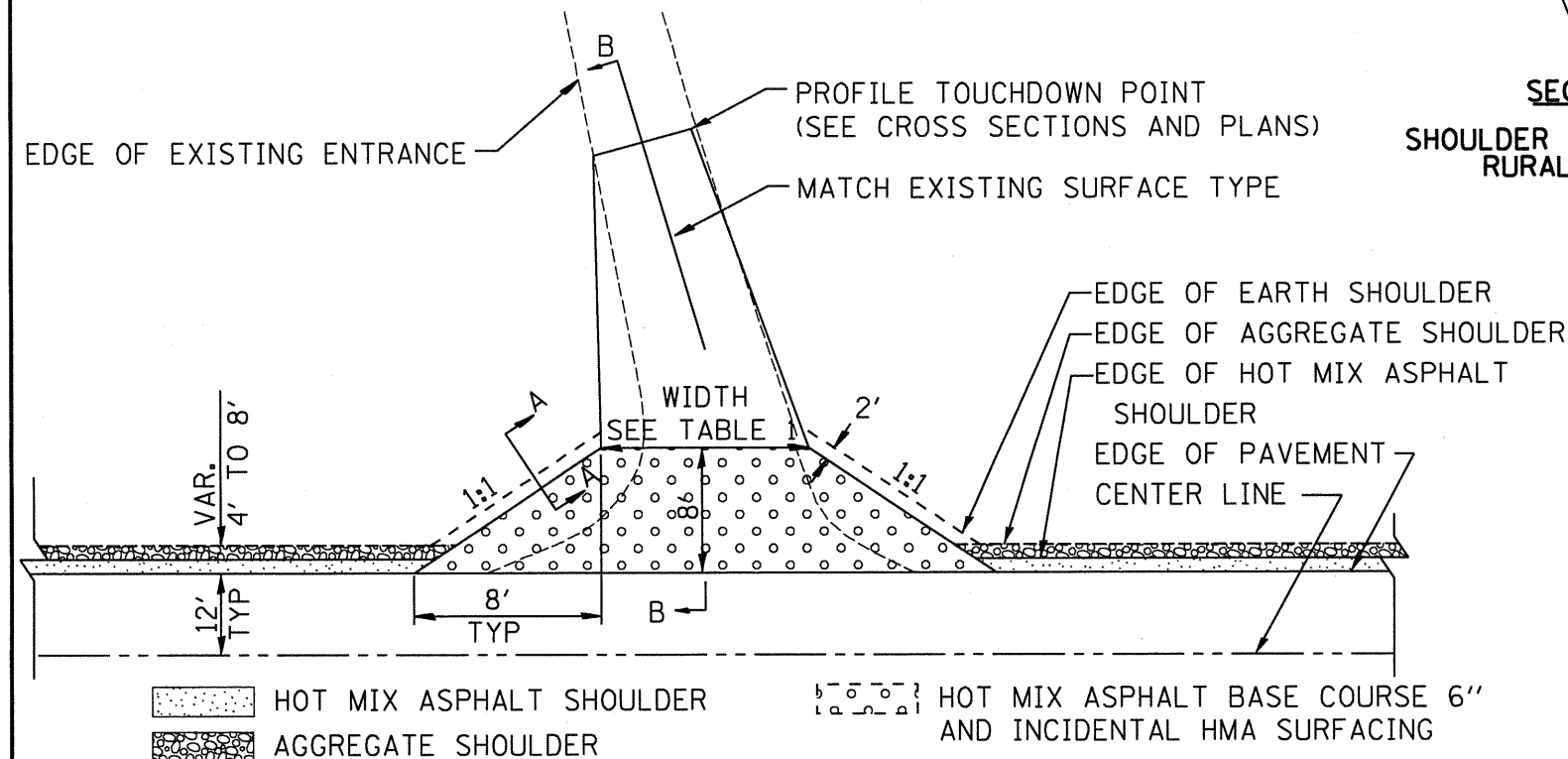
**WATERWAY TYPICAL SECTIONS**

SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	15W-2,RS-3 16W-3,RS-5	FULTON	171	91
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 88098	



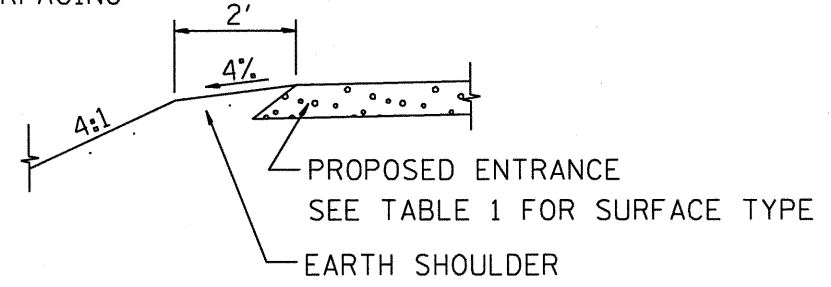
**PLAN**  
**COMMERCIAL / FARM-RELATED ENTRANCE**



**PLAN**  
**PRIVATE ENTRANCE**

TABLE 1					
RURAL ENTRANCE DESIGN					
ELEMENT	NON-COMMERCIAL		NON-COMMERCIAL W/ LARGE FARM EQUIPMENT	COMMERCIAL	
				1-WAY OPERATION	2-WAY OPERATION
WIDTH (W)	12'(3.6m) Min.	24'(7.2m) Max.	20' (6.1m)Max. 30' (9.0m)Max.	14'(4.3m) Min.	24'(7.2m) Max. 24'(7.2m) Min. 35'(10.7m) Max.
FLARE	1:1				
MAX. GRADE (G)	12%		12%	10%	

SURFACE TYPE			
HMA BASE COURSE 6'' AND INCIDENTAL HOT MIX ASPHALT SURFACING	8''	—	8''
AGGREGATE SURFACE COURSE, TYPE B	6''	8''	8''
PCC DRIVEWAY PAVEMENT	6''	—	7''



**SECTION A-A**  
**SHOULDER TREATMENT FOR RURAL ENTRANCES**

**GENERAL NOTES**

- ENTRANCES SHALL SLOPE AWAY FROM THE PAVEMENT AT A RATE EQUAL TO THE SHOULDER SLOPE FOR A MINIMUM DISTANCE OF 8'.
- A MINIMUM 8' PAVED SHOULDER SHALL BE CONSTRUCTED BETWEEN LOCATIONS WHERE THE RURAL ENTRANCE IS LESS THAN 50' FROM AN ADJACENT SIDEROAD, ENTRANCE OR MAILBOX TURNOUT.
- A TAPER RATE OF 5:1 IS DESIRABLE WHEN TRANSITING FROM THE RURAL ENTRANCE WIDTH SHOWN IN TABLE 1, TO THE EXISTING ENTRANCE WIDTH.

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

01-01-97	RENUM. C-103.06, NEW REVISION BOX	T.P.	10-16-06	REVISED TO 2007 SPEC.	M.A.
07-01-97	REVISE DESIGNER NOTES	J.A.			
01-17-03	ADJUST DESIGN, CHANGE ENTRANCE	JATR			
09-15-05	RADIUS FOR FLARE	M.M.A.			

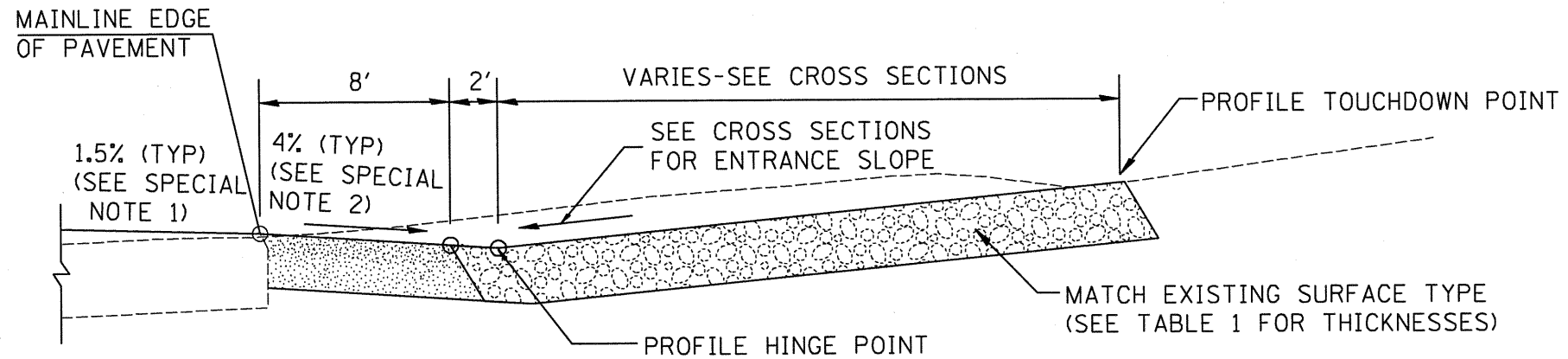
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**RURAL ENTRANCE DETAIL**

NOT TO SCALE

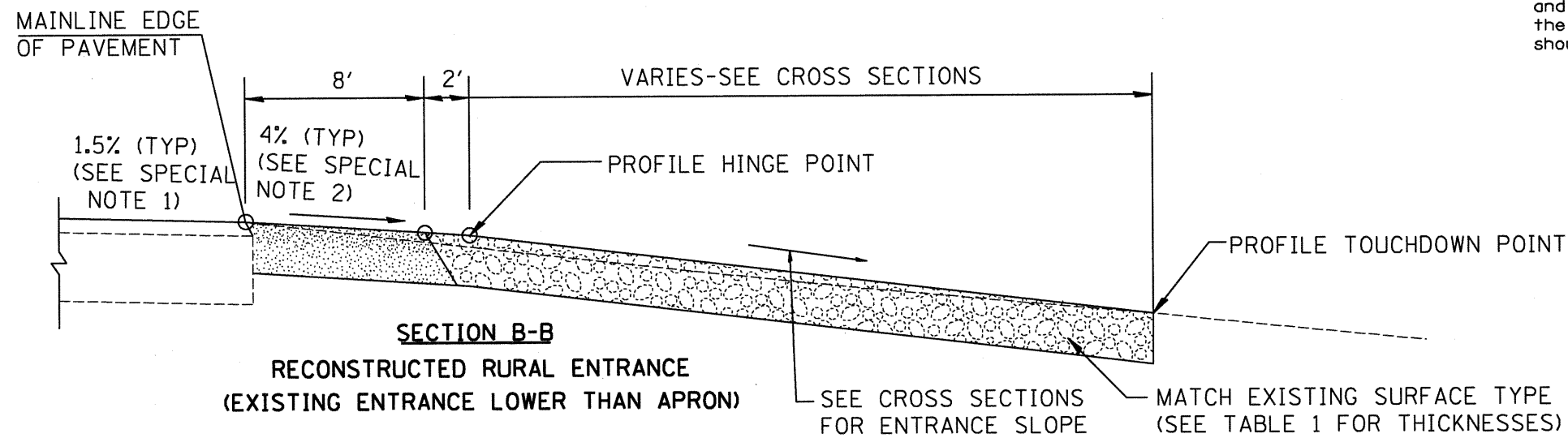
SHT. 1 OF 2

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	15W-2, RS-3, 16W-3, RS-5	FULTON	171	92
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 88098	



**SECTION B-B**

**RECONSTRUCTED RURAL ENTRANCE  
(EXISTING ENTRANCE HIGHER THAN APRON)**



**SECTION B-B**

**RECONSTRUCTED RURAL ENTRANCE  
(EXISTING ENTRANCE LOWER THAN APRON)**

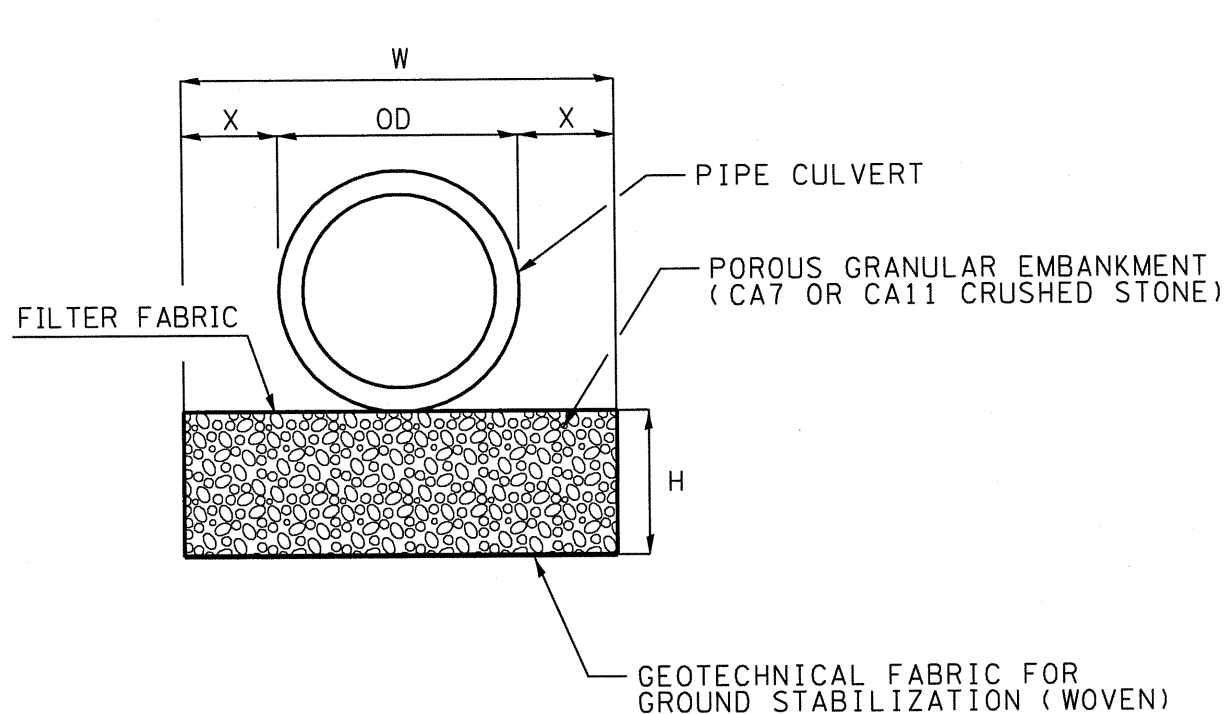
**SPECIAL NOTES**

- ① The mainline pavement cross-slope is 1.5% for tangent alignment. See PLANS for cross-slope on superelevated horizontal curves.
- ② The shoulder slope shall control the entrance profile for a distance of 10' (3.0m) minimum from the pavement edge. The shoulder cross-slope is 4% for tangent alignment. Through superelevated curves, the maximum pavement-shoulder breakover should not be greater than 10% for shoulders 6' (1.8m) and wider and 12% for shoulders 4' (1.2m) and less. Where 12' paved shoulders are provided, the breakover should be at the edge of the paved shoulder rather than at the pavement edge.

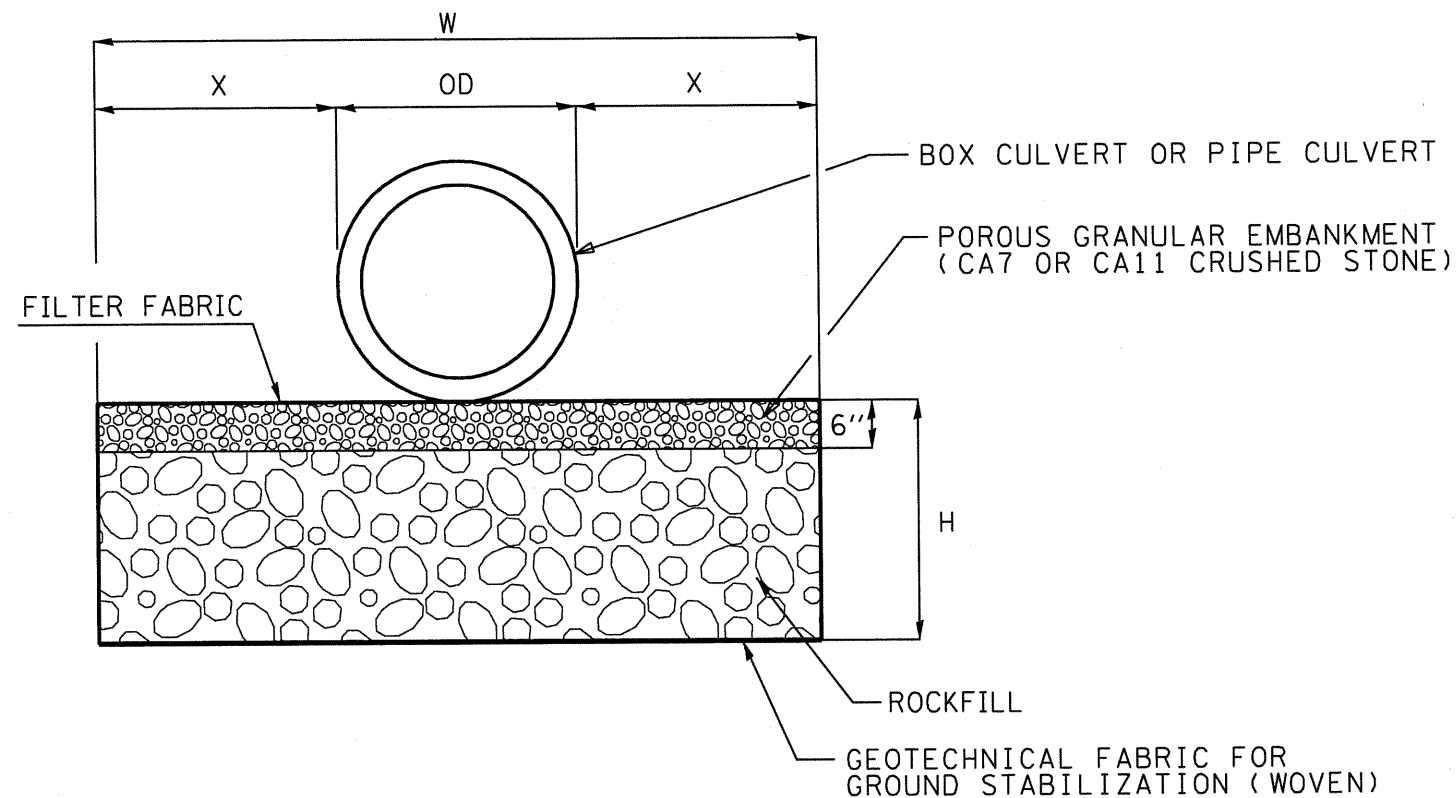
All dimensions are in inches (millimeters) unless otherwise noted.

		<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>		<b>RURAL ENTRANCE DETAIL</b>		SHT. 2 OF 2	
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
317	15W-2,RS-3;16W-3,RS-5	FULTON	171	93			
			CONTRACT NO. 88098				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT					

NOT TO SCALE



**ALTERNATE I: FOR 12" TO 18" UNDERCUT**



**ALTERNATE II: FOR 18" AND GREATER UNDERCUT**

**GENERAL NOTES:**

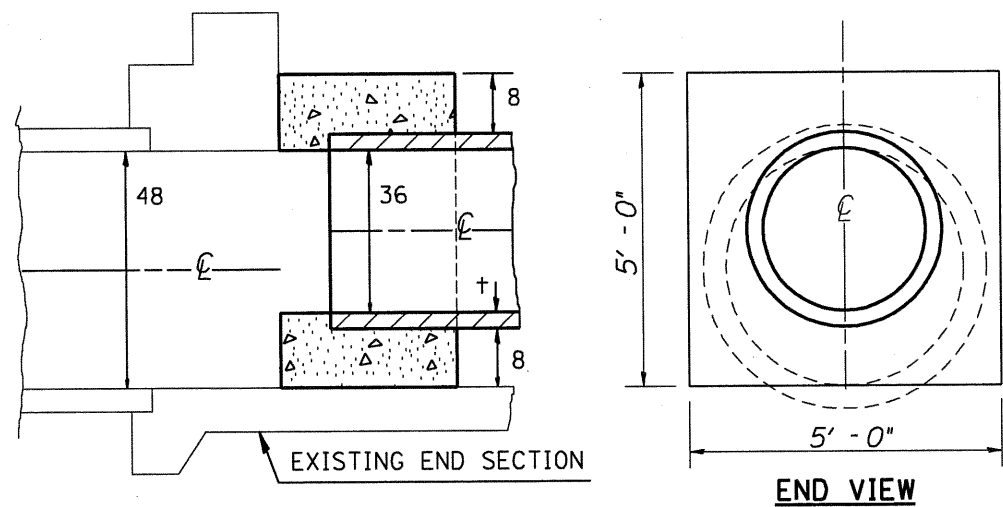
- Undercut if the Dynamic Cone Penetrometer tests indicate soil strength is less than 1 ton/sq ft.
- DEFINITIONS:  
 OD = Outside Diameter or outside width of box culvert  
 h = Depth of undercut (for box culverts, the upper 6" shall be included in the cost of the various box culvert pay items).  
 x = 2' for pipe culverts  
 x = h or minimum 2 feet, which ever is greater for box culverts.  
 W = Width of undercut = 2x + OD
- Wrap porous granular material and rock fill in filter fabric. The fabric shall be according to the requirements of the applicable portions of section 1080 and section 282 with 6 or 8 oz/sy material allowed.

CULVERT UNDERCUT QUANTITIES										
CULVERT LOCATION	UNDERCUT DIMENSIONS				LENGTH 'L' (FT)	POROUS GRANULAR EMBANKMENT (TON)	ROCK FILL (TON)	GEOTECHNICAL FABRIC (SQ. YDS.)	FILTER FABRIC (SQ. YDS.)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU. YD.)
	DEPTH 'h' (FT)	Width								
		'x'	'OD'	'w'						
PIPES										
41+00*	2	2	6	10	36.0	13.7	41.0	40.0	62.2	26.7
149+80.1*	2	2	3	7	68.0	18.1	54.2	52.9	88.0	35.3
<b>TOTAL</b>						<b>32</b>	<b>95</b>	<b>93</b>	<b>150.2**</b>	<b>62</b>

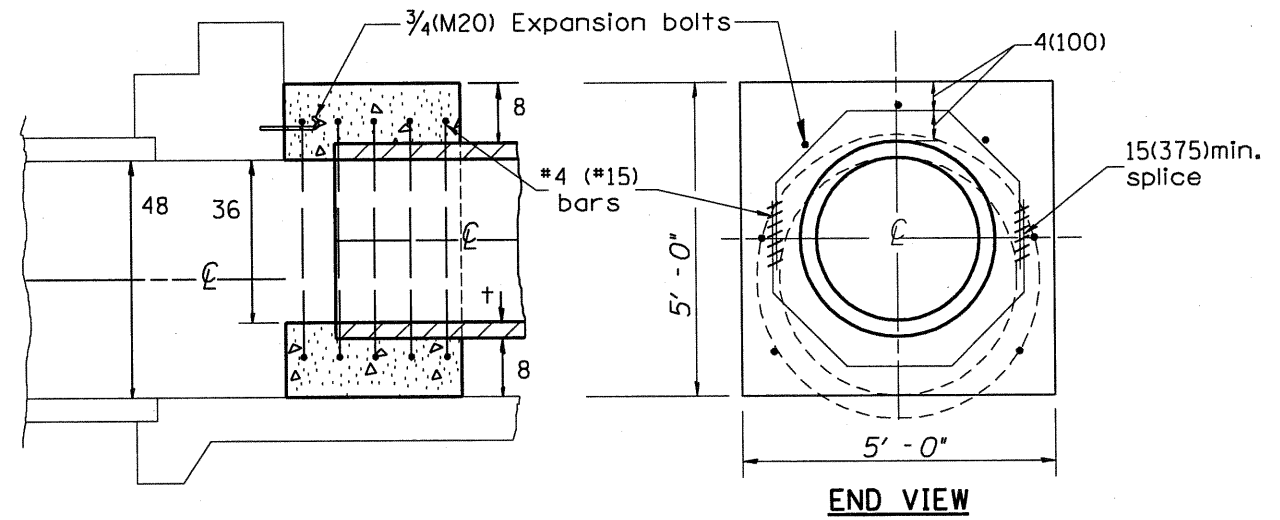
\*QUANTITY CALCULATED FOR LENGTH OF PROPOSED PIPE BEYOND THE EXISTING HEADWALLS ONLY.

\*\*GRAND TOTAL FOUND IN RIP RAP SCHEDULE.

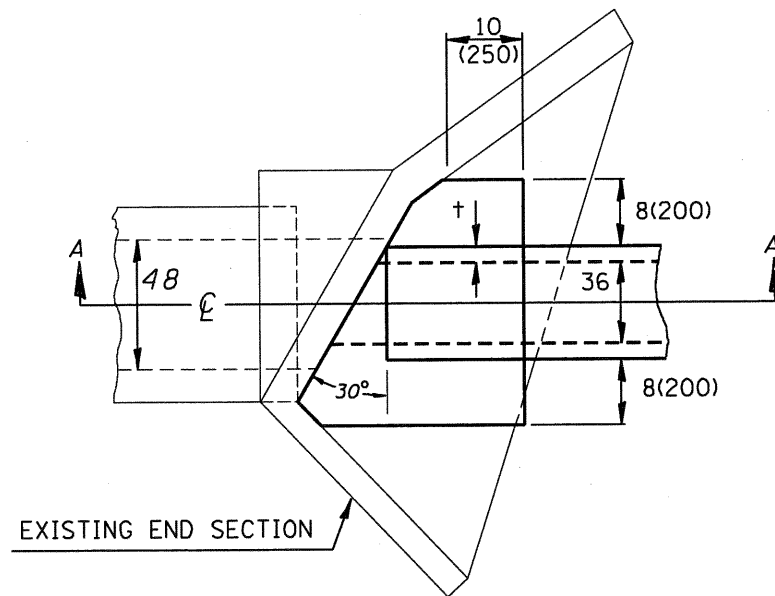
All dimensions are in inches (millimeters) unless otherwise noted.



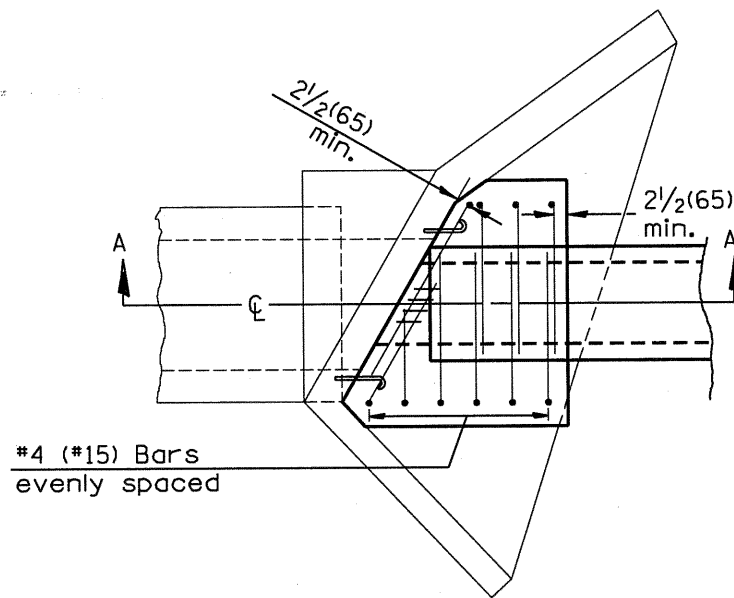
SECTION A-A  
(REINFORCEMENT OMITTED FOR CLARITY)



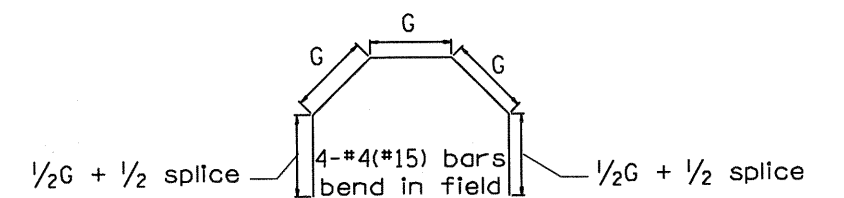
SECTION A-A  
(SHOWING REINFORCEMENT)



PLAN VIEW  
(REINFORCEMENT OMITTED FOR CLARITY)



PLAN VIEW  
(SHOWING REINFORCEMENT)



**GENERAL NOTES**

1. The collar shall be constructed entirely of CLASS SI CONCRETE and in accordance with the applicable portions of section 503 of the Standard Specifications. Reinforcement bars shall conform to section 508.
2. Expansion bolts shall consist of approved expansion anchors, and 3/4 (M20) hook bolts which conform to section 1006.09. These bolts shall extend at least 8(200) into the new concrete.

E	D	t	COLLAR				
			CONC. COLLAR	REINFORCEMENT BARS			EXPANSION BOLT
			CU. YD.	G	L	LBS.	EACH
5'-0"	36	4	1.4	21 1/2	8'-5"	62	7

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

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

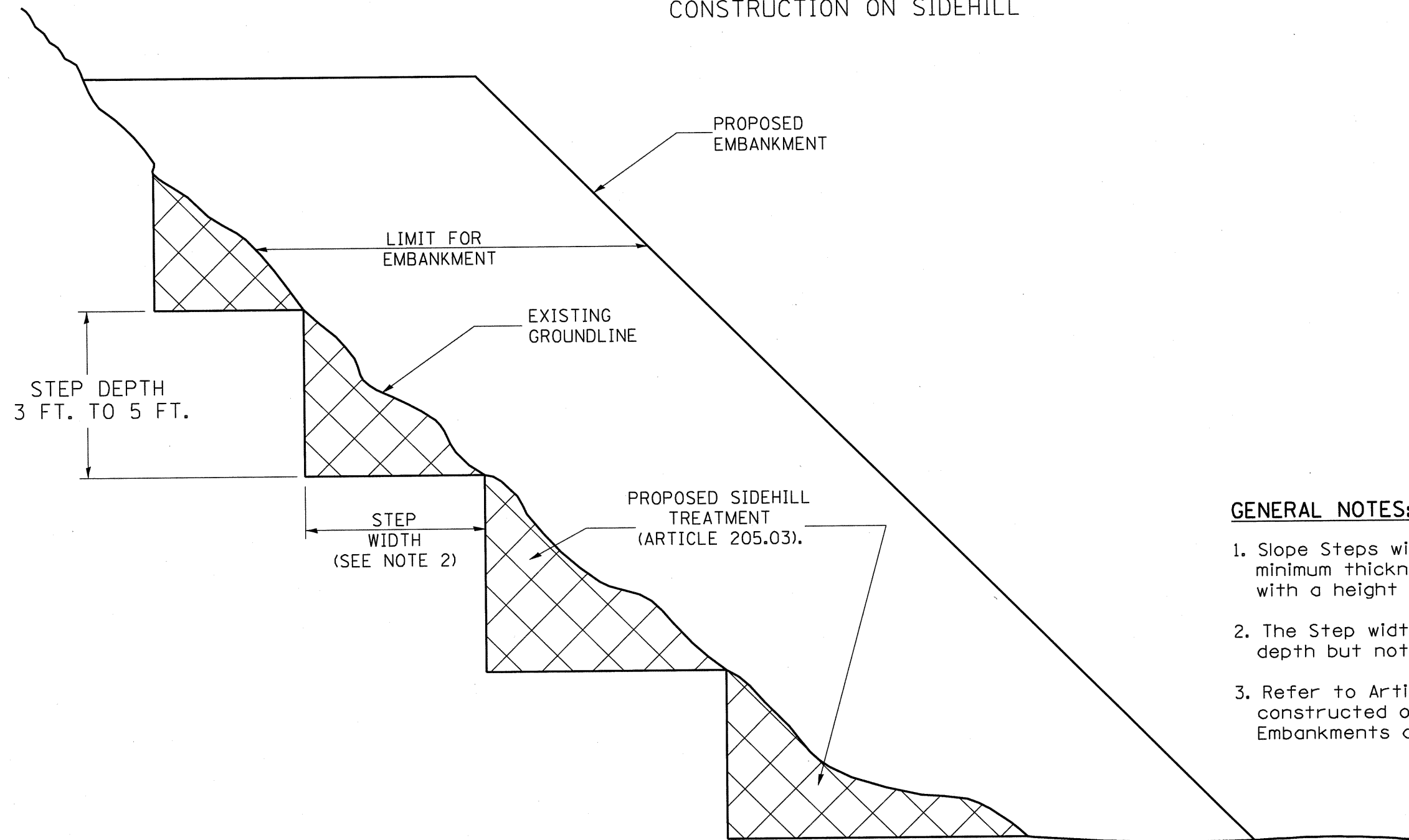
SKEWED PIPE CULVERT EXTENSION COLLAR DETAIL  
STA. 77+09 RT

NOT TO SCALE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	15W-2,RS-3,16W-3,RS-5	FULTON	171	95
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 88098	

# SLOPE STEPS DETAIL

## TYPICAL CROSS-SECTION EMBANKMENT CONSTRUCTION ON SIDEHILL



### GENERAL NOTES:

1. Slope Steps will be required for all 12(300) minimum thickness "silver fills" and on a fills with a height of 10'(3.0m).
2. The Step width shall be twice the Step depth but not less than 6 feet.
3. Refer to Article 205.03 for Embankment to be constructed on Hillside or Slopes, or if existing Embankments are to be widened.

### REPLACEMENT MATERIAL:



STANDARD EMBANKMENT  
(IN ACCORDANCE WITH  
205 OF THE STANDARD SPECIFICATION).

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

1-1-97	RENUM. L-5.03, NEW REVISION BOX, REVISED TITLE BOX, REVISED GENERAL NOTES.	T.P.
10-16-06	REVISED TO 2007 SPEC.	M.A.

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

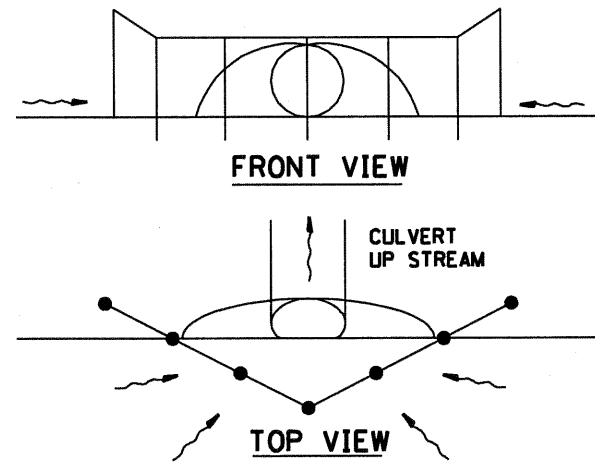
NOT TO SCALE

SLOPE STEPS DETAIL

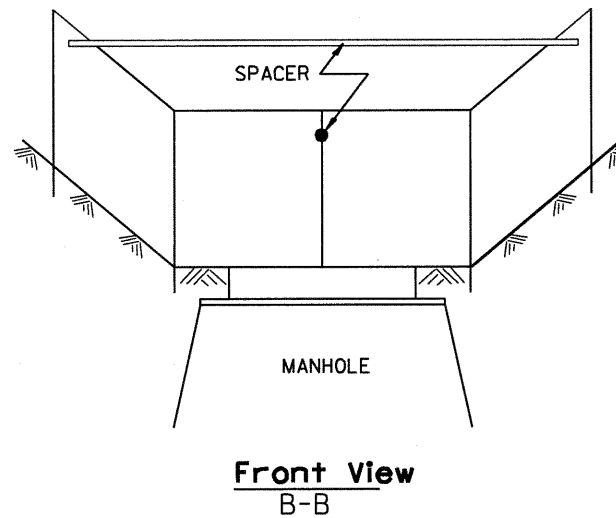
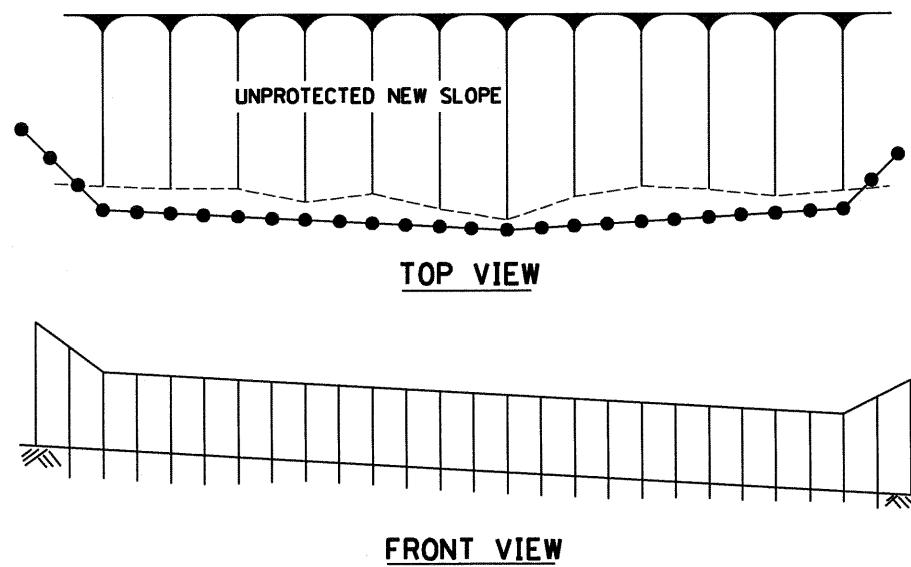
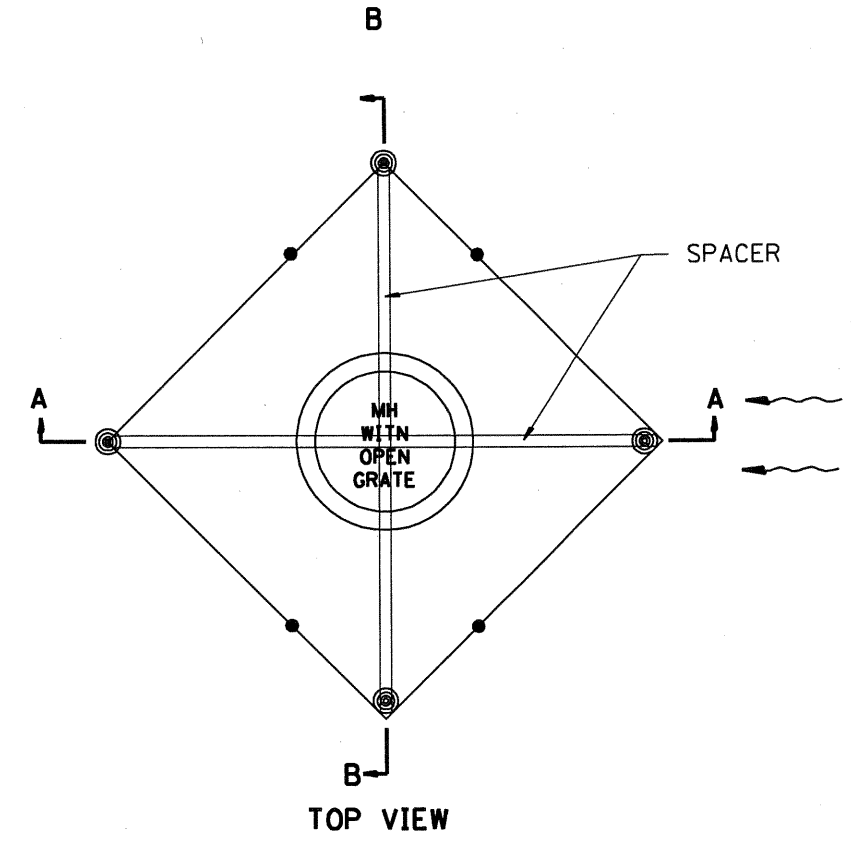
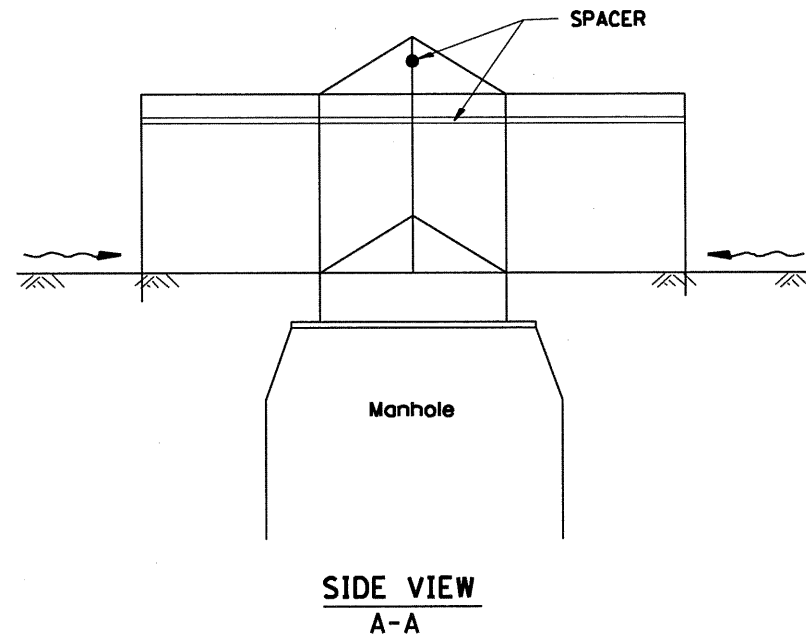
CADD STD. 205001-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	15W-2,RS-3;16W-3,RS-5	FULTON	171	96
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT			CONTRACT NO. 88098	





**UPSTREAM PIPE CULVERT EROSION CONTROL**



**EROSION CONTROL AT OPEN GRATE MAN HOLE**

**GENERAL NOTES:**

1. This work shall be performed in accordance with Sections 280 & 1081, of the Standard Specifications.
2. Additional Timber or Metal Post shall be installed, as needed.

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

1-1-97		T.P.			
3-11-03	ELIMINATED SILT FENCE DITCH CHECK	M.A.			

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATION OF SILT FILTER FENCE

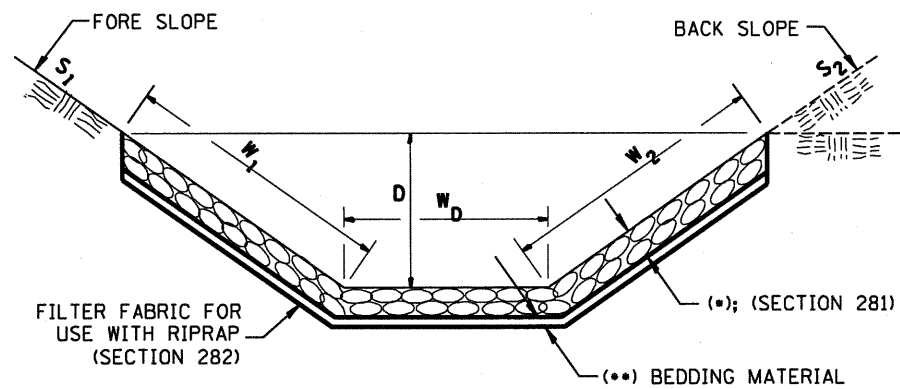
NOT TO SCALE

CADD STD. 280001-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	15W-2,RS-3;16W-3,RS-5	FULTON	171	97
			CONTRACT NO. 88098	

FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT

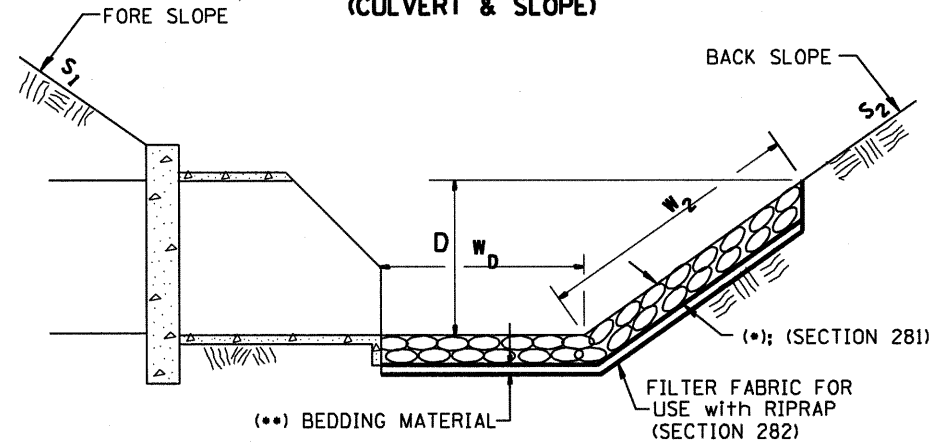
**CASE 1  
(DITCH)**



(*)				
LOCATION	WIDTH (1)	LENGTH	RIPRAP	FABRIC
STA TO STA	lin ft (m)	lin ft (m)	tons (m tons)	sq yds (m <sup>2</sup> )
<b>TOTAL</b>				

(1) WIDTH =  $W_1 + W_2 + W_D$

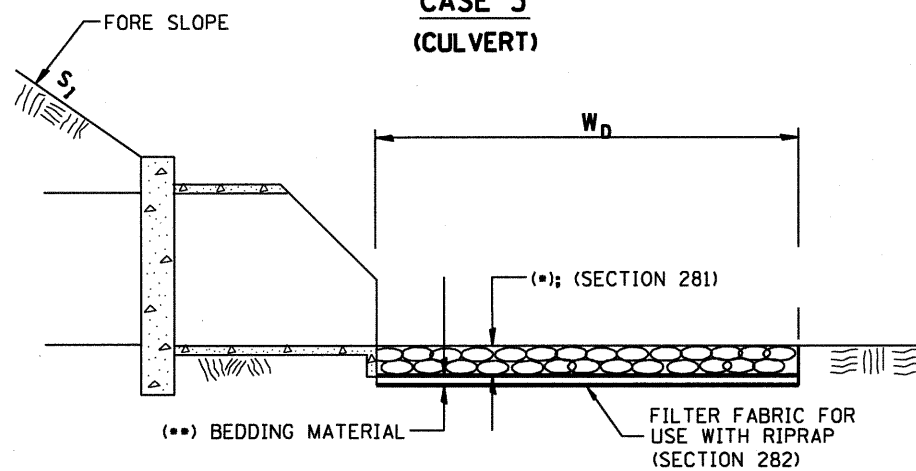
**CASE 2  
(CULVERT & SLOPE)**



(*)				
LOCATION	WIDTH (1)	LENGTH	RIPRAP	FABRIC
STA TO STA	lin ft (m)	lin ft (m)	tons (m tons)	sq yds (m <sup>2</sup> )
<b>TOTAL</b>				

(1) WIDTH =  $W_2 + W_D$

**CASE 3  
(CULVERT)**



(*)				
LOCATION	WIDTH (1)	LENGTH	RIPRAP	FABRIC
STA TO STA	lin ft (m)	lin ft (m)	tons (m tons)	sq yds (m <sup>2</sup> )
<b>TOTAL</b>				

(1) WIDTH =  $W_D$

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).  
All dimensions are in inches (millimeters) unless otherwise noted.

1-1-97	RENUM. A-12.02, NEW REVISION BOX	T.P.
12-1-97	CORRECT FILTER FABRIC LEADER ARROW	J.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.

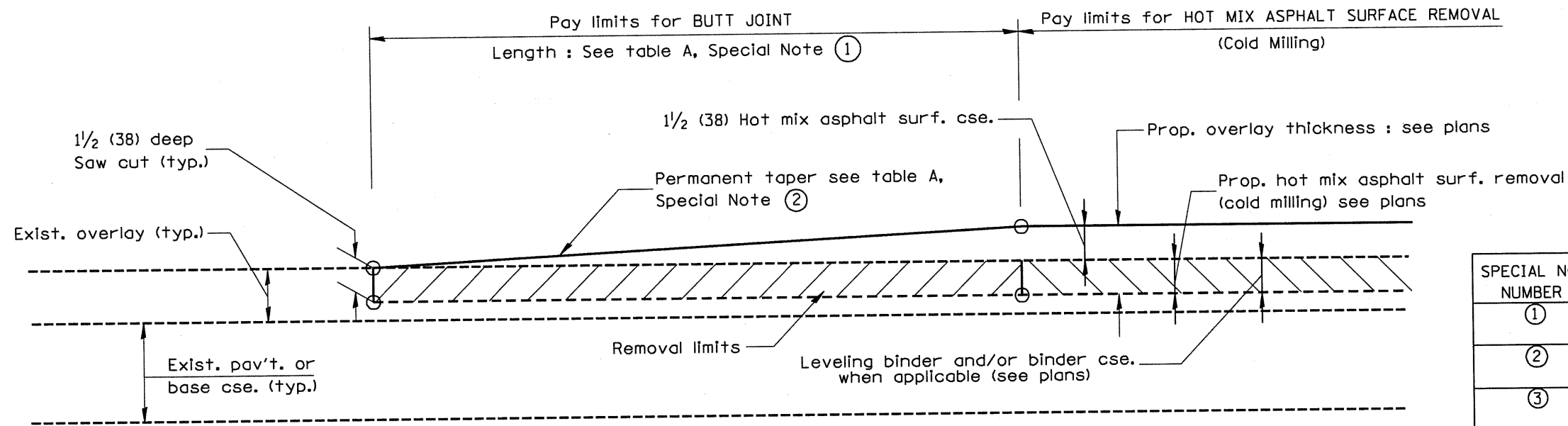
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

NOT TO SCALE

RIPRAP DITCH FOR EROSION PROTECTION

CADD STD. 281001-D4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	15W-2, RS-3 16W-3,RS-5	FULTON	171	98
CONTRACT NO. 88098			FED. ROAD DIST. NO. 4   ILLINOIS FED. AID PROJECT	



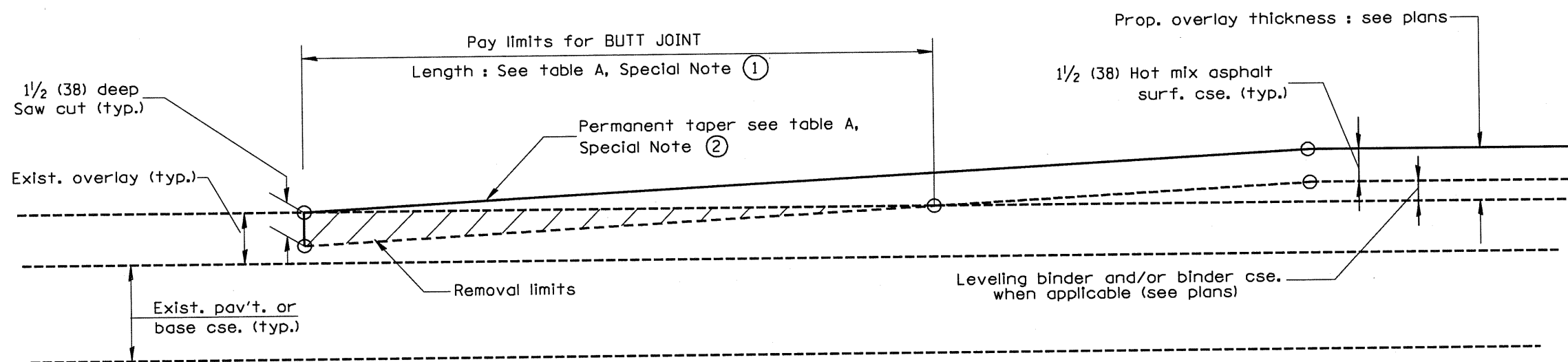
**CASE 1 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)**

**TABLE A**  
(LENGTHS AND TAPER RATES)

SPECIAL NOTE NUMBER	ELEMENT	MAINLINE INTERSTATES & 4-LANE EXPRESSWAYS	ALL OTHERS
①	LENGTH OF BUTT JOINT	60'(18.0 m)	30'(9.0 m)
②	PERMANENT TAPER RATE	1:480	1:240
③	TEMPORARY RAMP TAPER RATE	1:80	1:40
④	TEMPORARY RAMP LENGTH	10'(3.0 m)	5'(1.5 m)
⑤	LENGTH OF BUTT JOINT	10'(3.0 m)	10'(3.0 m)

**GENERAL NOTES**

1. The work shall be done in accordance with Article 406.08 and the Special Provision for Butt Joints.
2. The pavement surface to be removed may be either bituminous or P.C. concrete. The work shall be performed in accordance with Article 440.04 and the Special Provisions for Butt Joints.
3. The saw cut joints shall be primed just prior to the placing of bituminous material. The work will be in accordance with the applicable portions of Article 406.05.



**CASE 2 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)**

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

01-01-97	RENUM. C-23.01, NEW REVISION BOX	T.P.
04-01-97	CORRECTION TO DEPTH	J.A.
09-15-05	REVISED DESIGNER NOTE	M.M.A.
10-16-06	REVISED TO 2007 SPEC.	M.A.

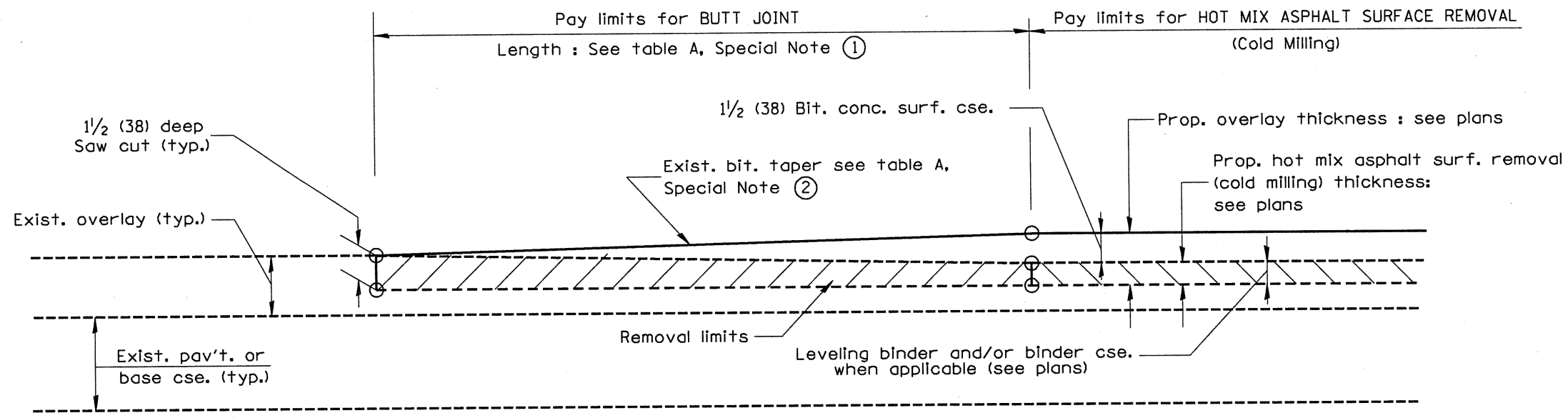
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

NOT TO SCALE

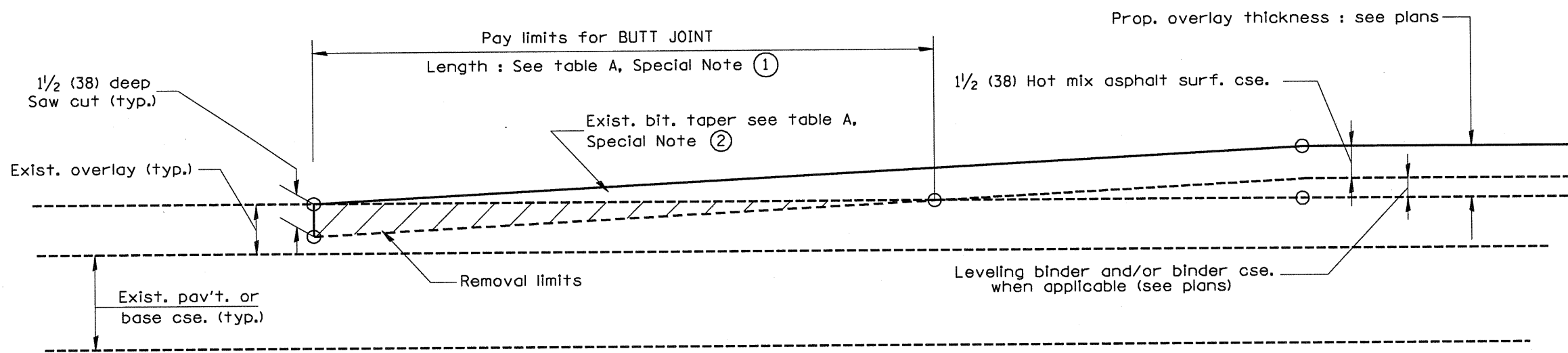
BUTT JOINTS

SHT. 1 OF 3  
CADD STD. 406101-D4

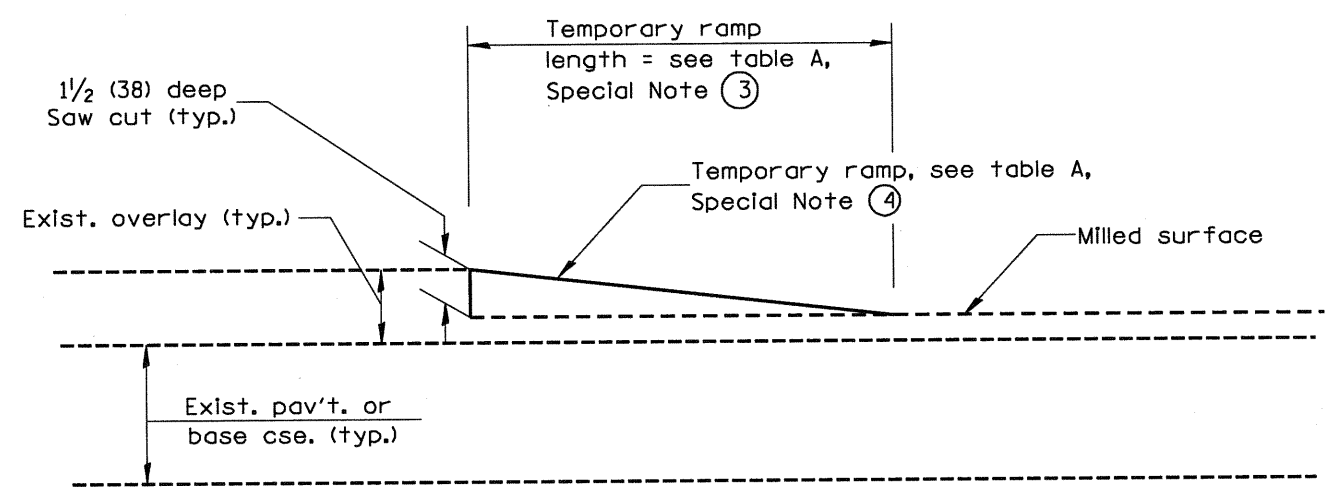
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	15W-2, RS-3, 16W-3, RS	FULTON	171	99
FED. ROAD DIST. NO. 4 ILLINOIS FED. AID PROJECT			CONTRACT NO. 88098	



**CASE 3 : WITH HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)  
TIE-IN TO EXISTING BITUMINOUS TAPER**



**CASE 4 : NO HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)  
TIE-IN TO EXISTING BITUMINOUS TAPER**



**DETAIL TEMPORARY RAMP**

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